

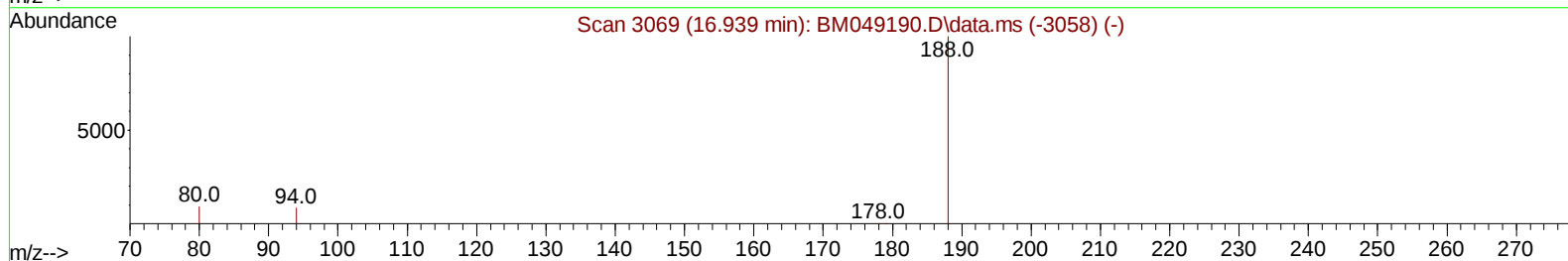
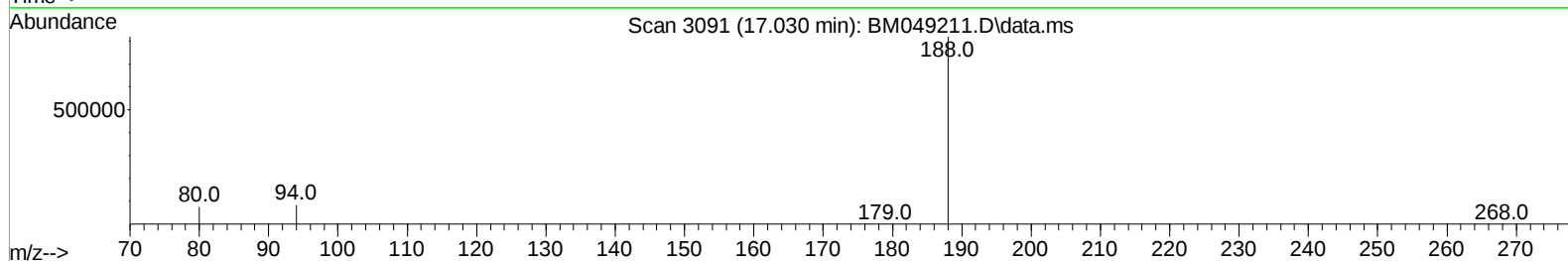
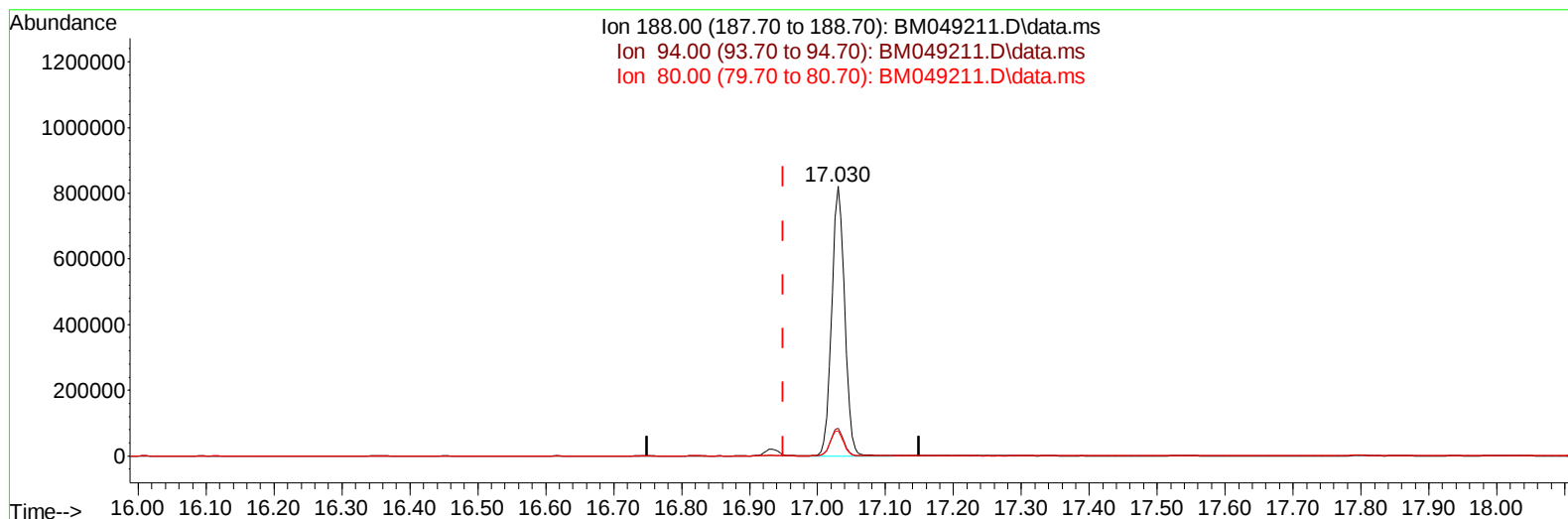
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(13) Phenanthrene-d10 (I)

17.030min (+ 0.080) 0.40 ng/u1

response 1092031

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.24
80.00	10.70	9.25
0.00	0.00	0.00

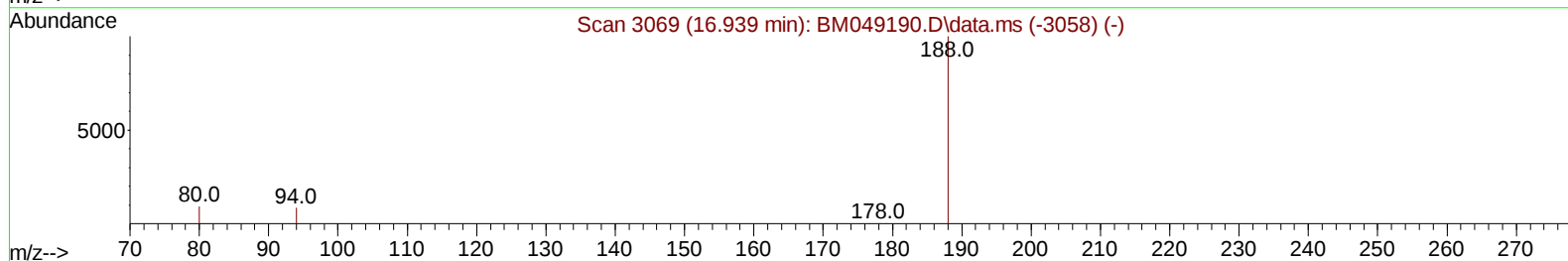
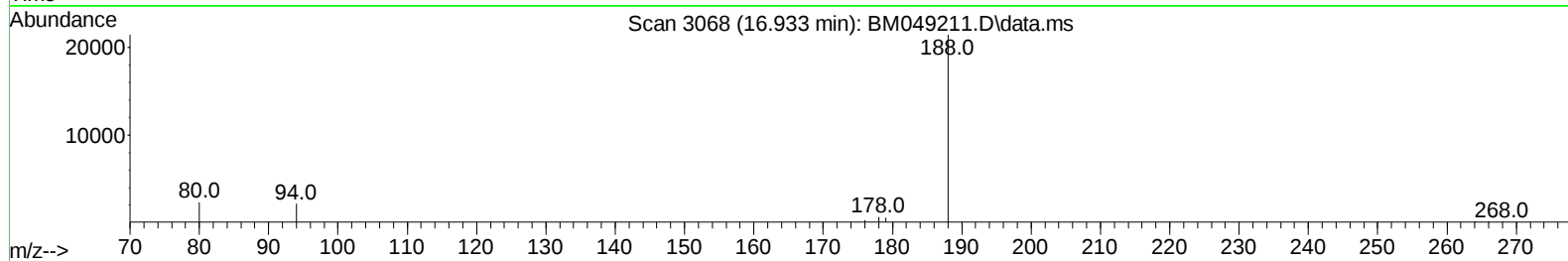
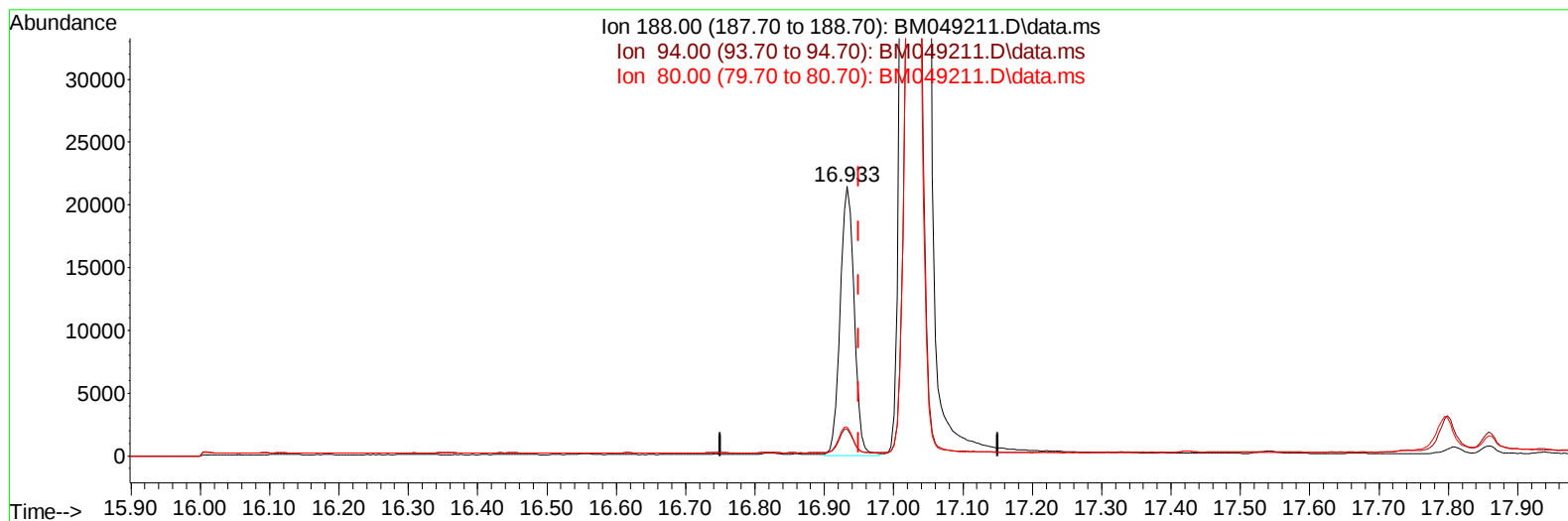
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(13) Phenanthrene-d10 (I)

16.933min (-0.017) 0.40 ng/ul m

response 30049

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.02
80.00	10.70	10.73
0.00	0.00	0.00

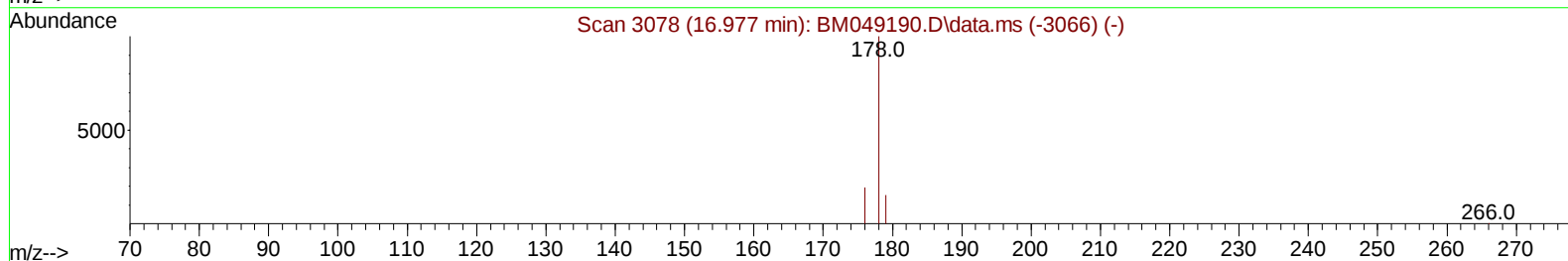
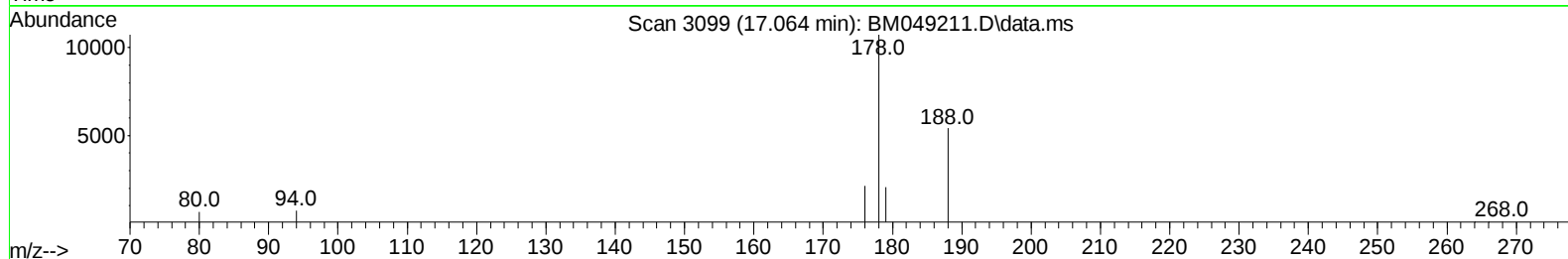
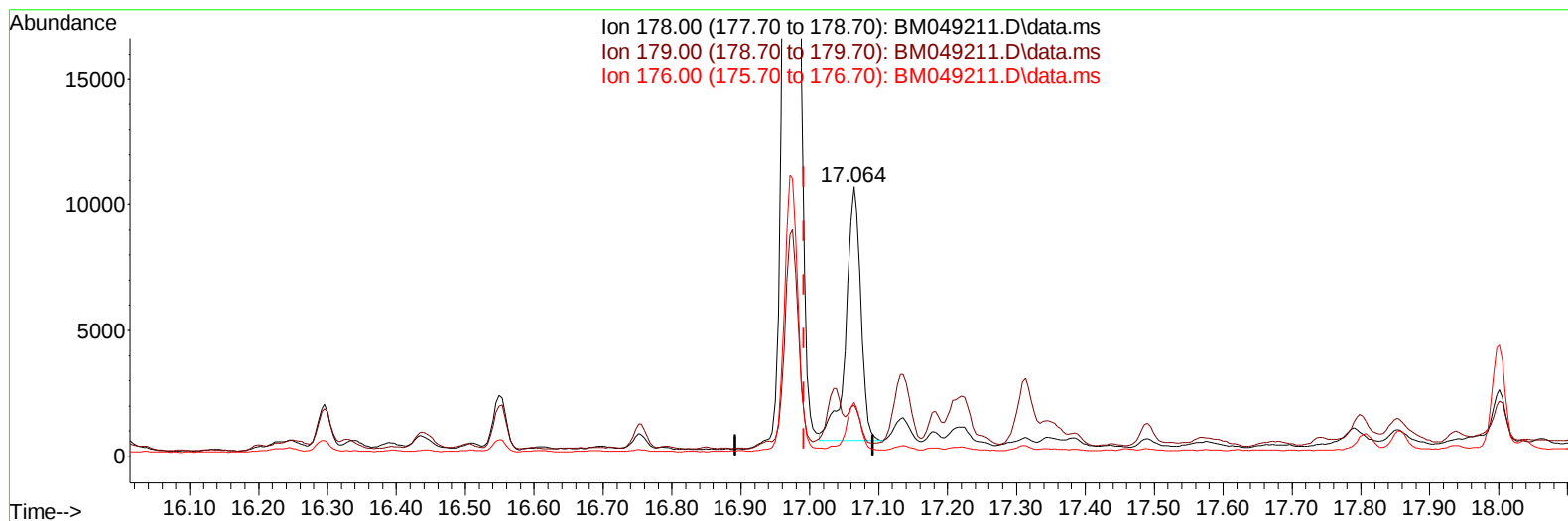
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(15) Phenanthrene

17.064min (+ 0.072) 0.19 ng/u1

response 15100

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.02
176.00	20.20	19.85
0.00	0.00	0.00

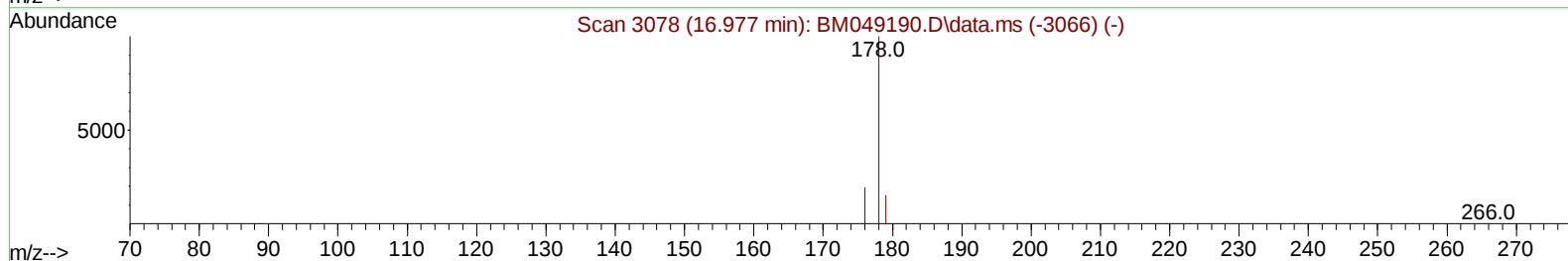
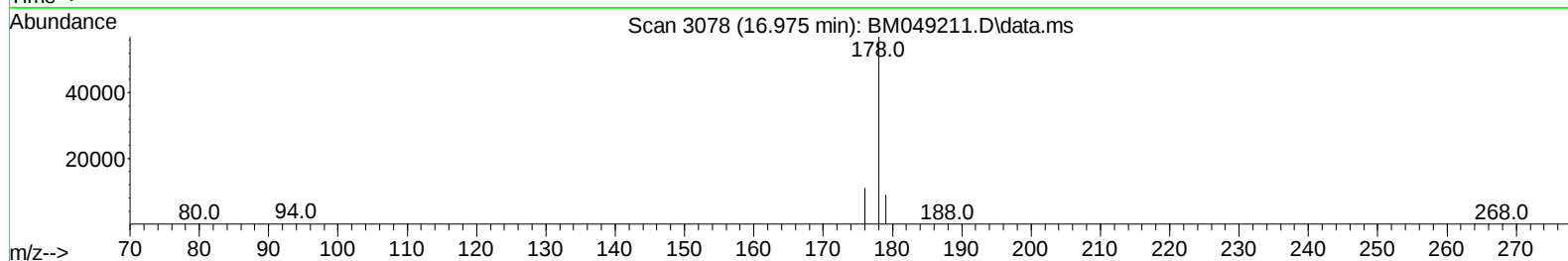
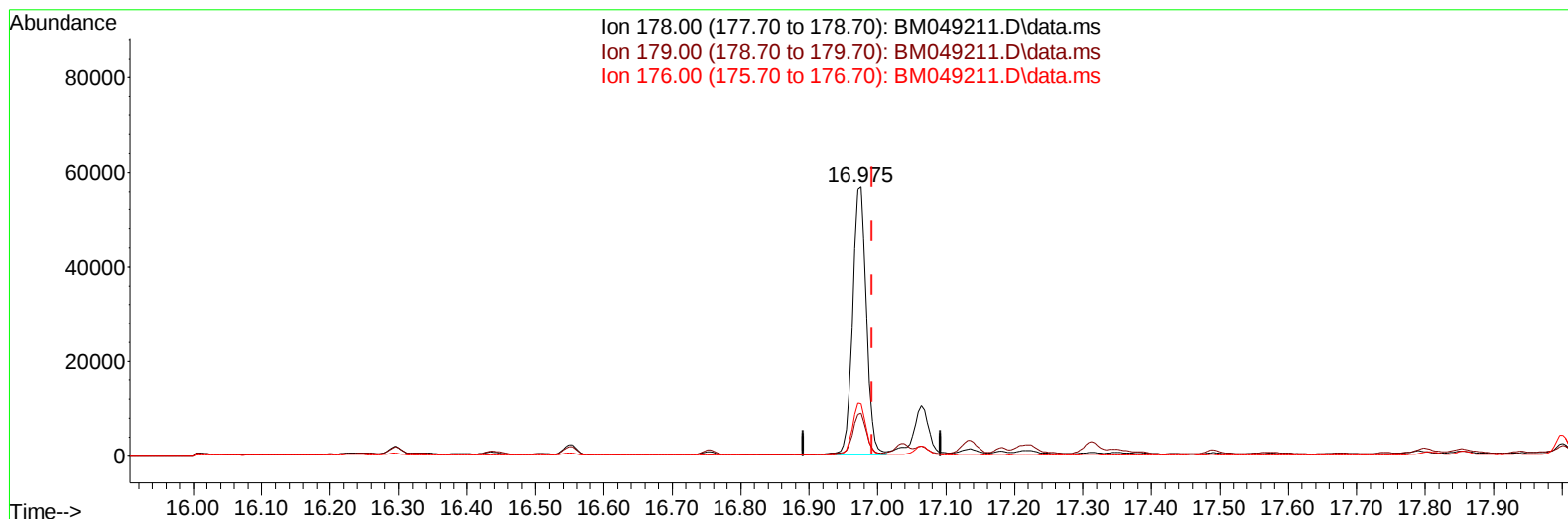
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(15) Phenanthrene

16.975min (-0.017) 1.00 ng/ul m

response 78864

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.85
176.00	20.20	19.43
0.00	0.00	0.00

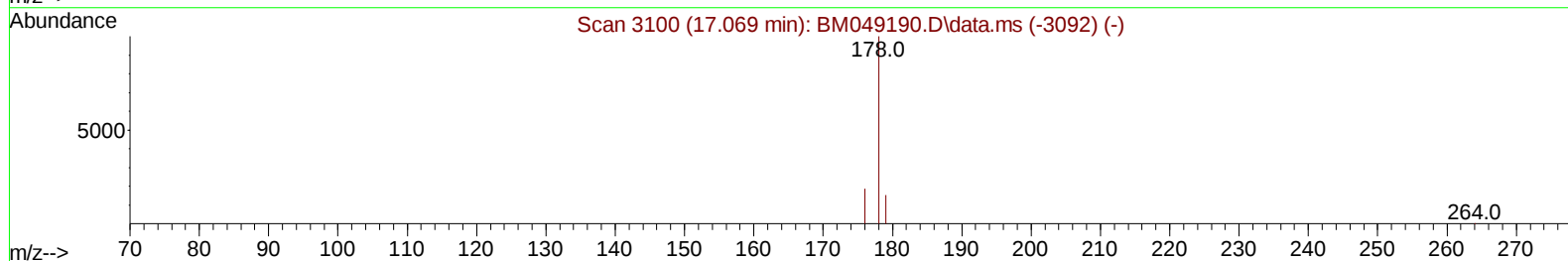
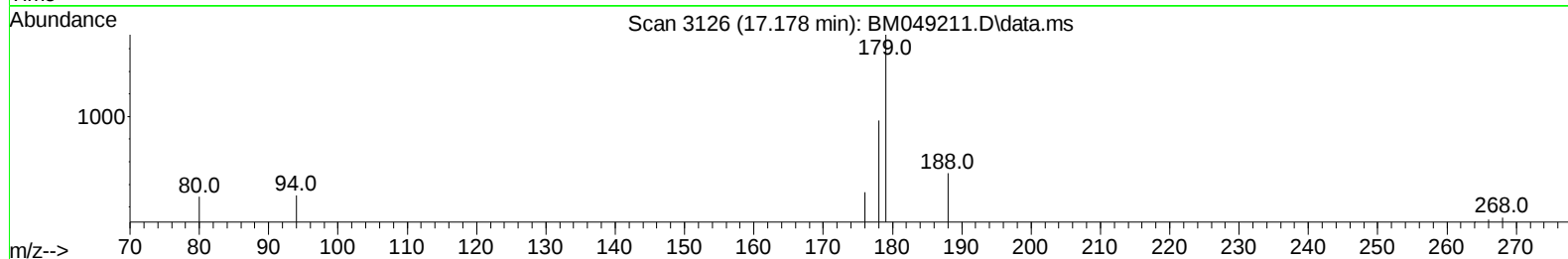
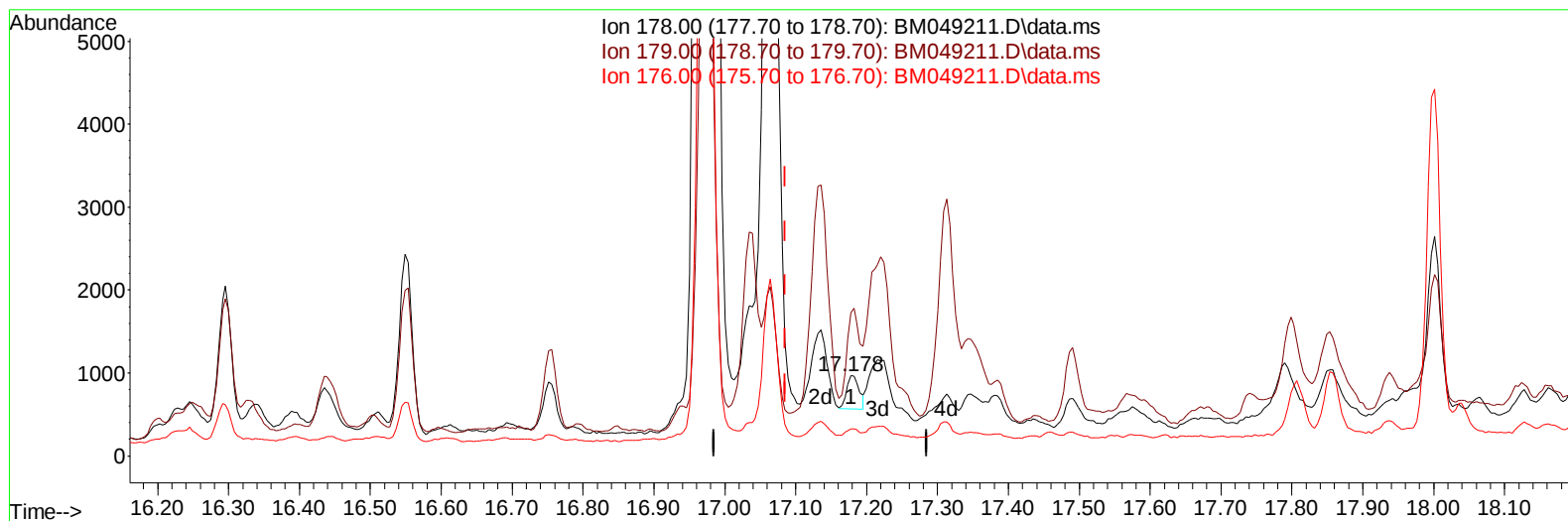
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
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Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(16) Anthracene

17.178min (+ 0.093) 0.01 ng/u1

response 493

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	178.49#
176.00	19.10	33.92#
0.00	0.00	0.00

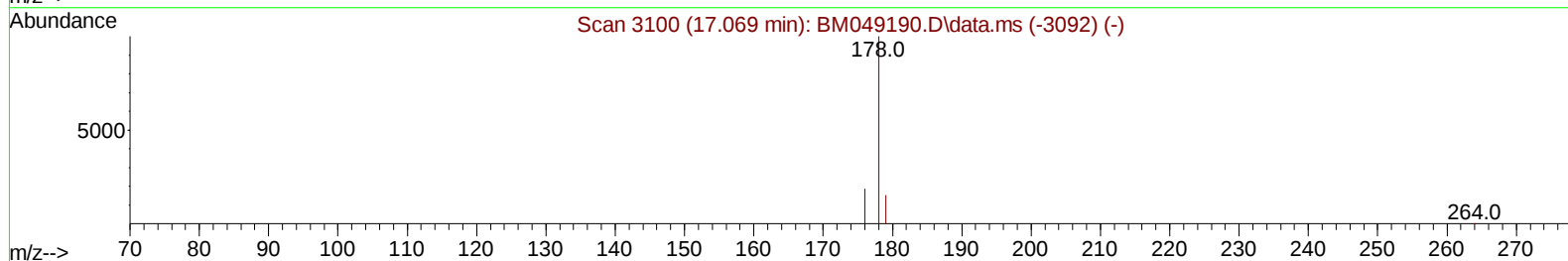
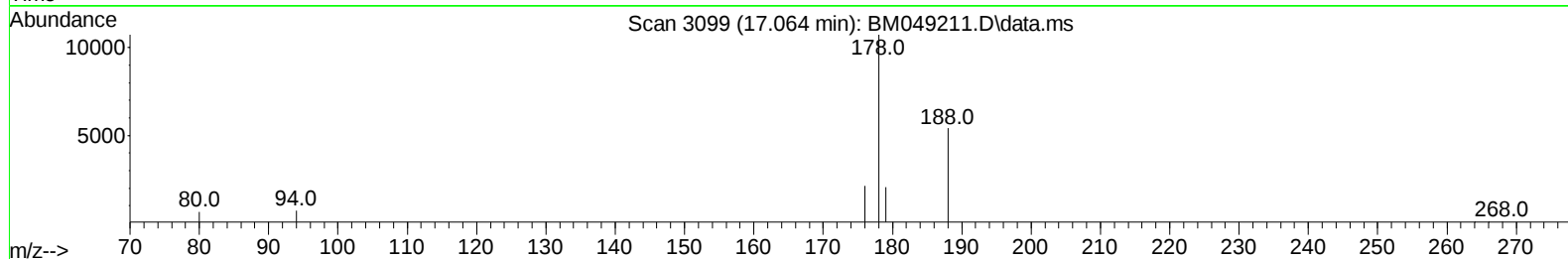
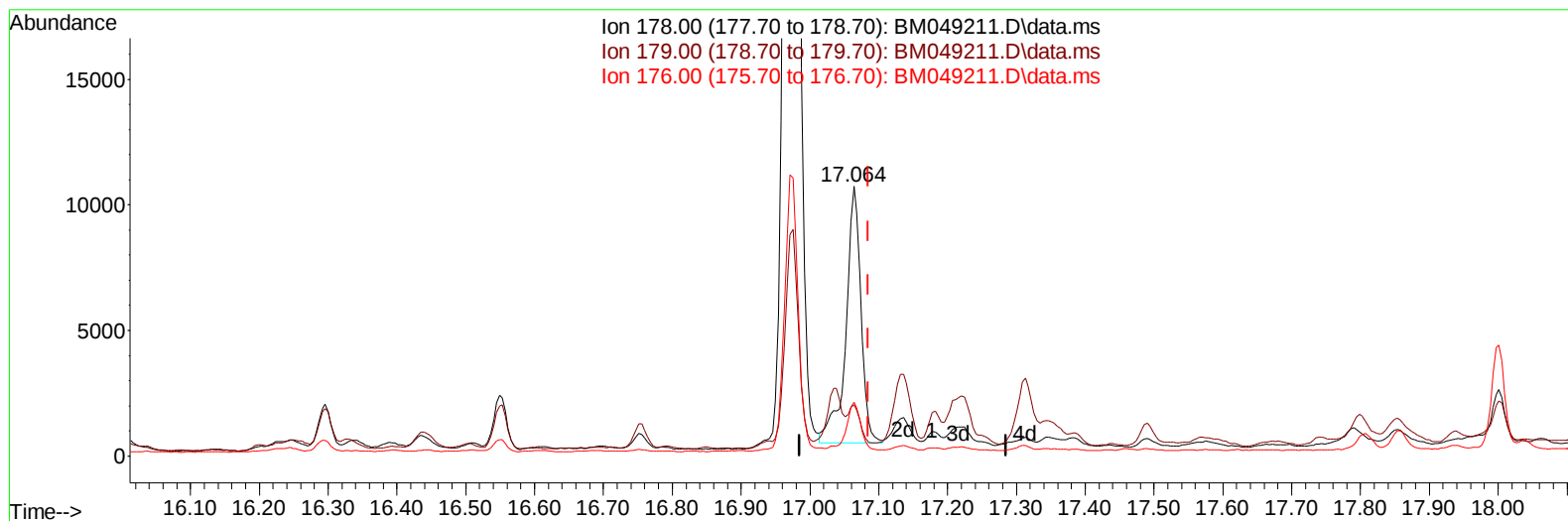
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(16) Anthracene

17.064min (-0.021) 0.22 ng/ul m

response 15696

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	19.02
176.00	19.10	19.85
0.00	0.00	0.00

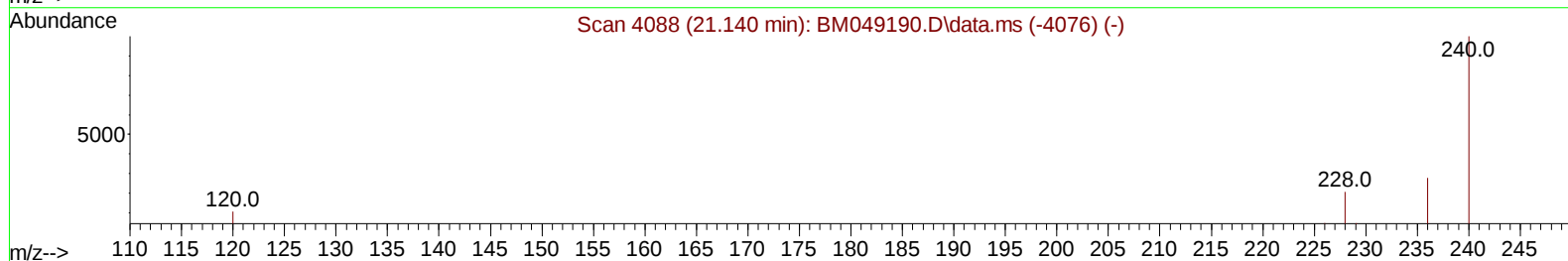
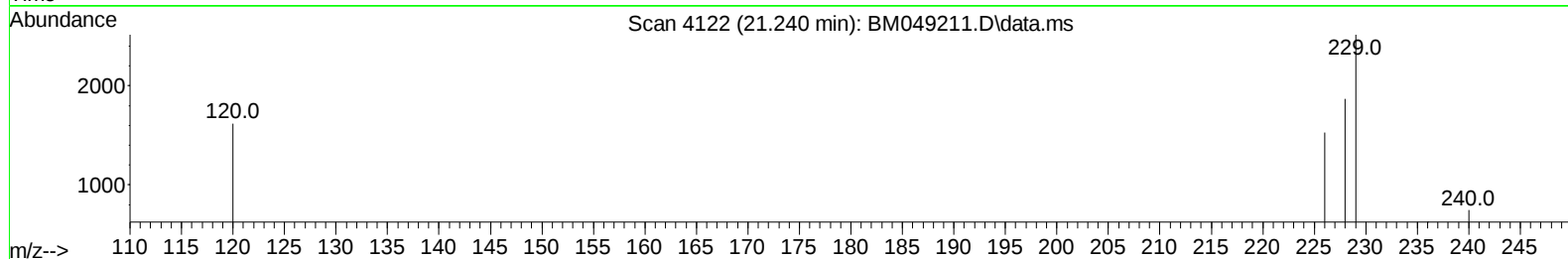
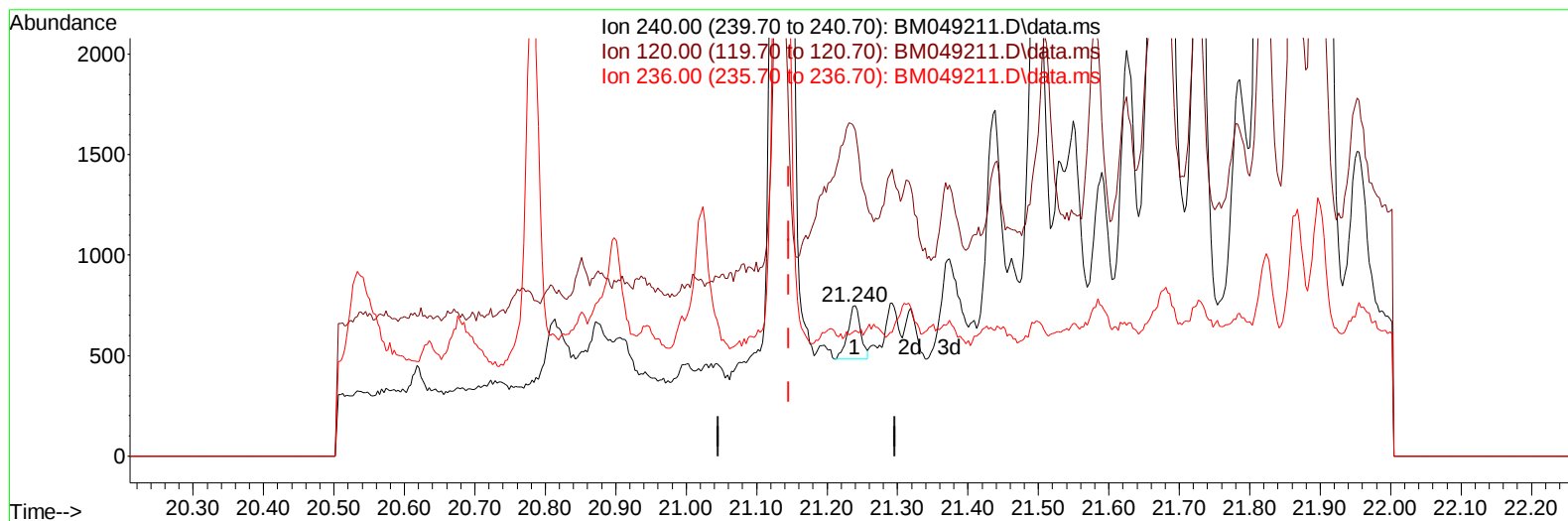
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(17) Chrysene-d12

21.240min (+ 0.093) 0.40 ng/u1

response 333

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	216.87#
236.00	29.80	83.67#
0.00	0.00	0.00

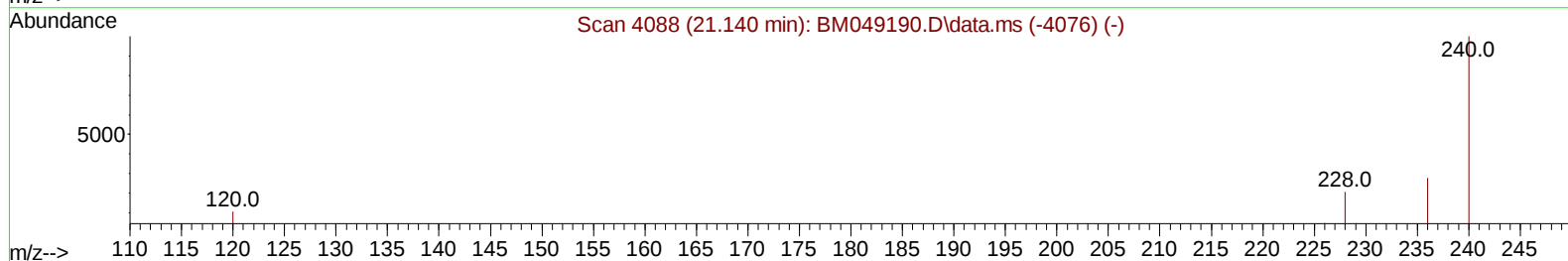
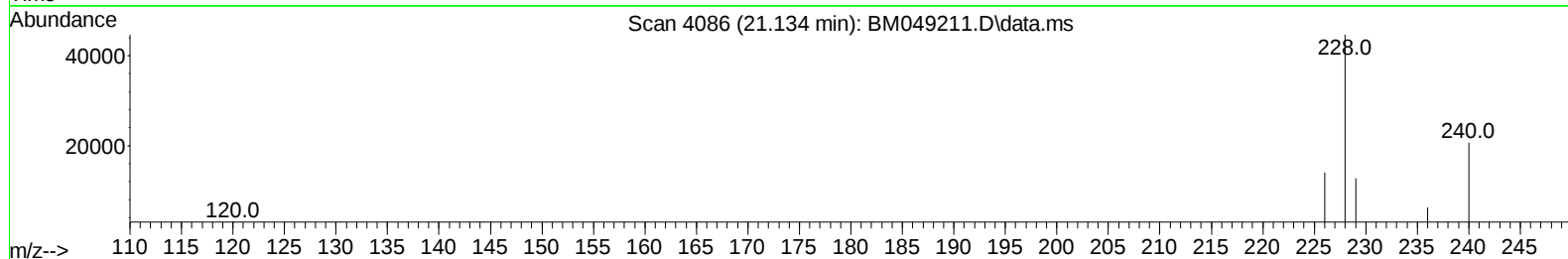
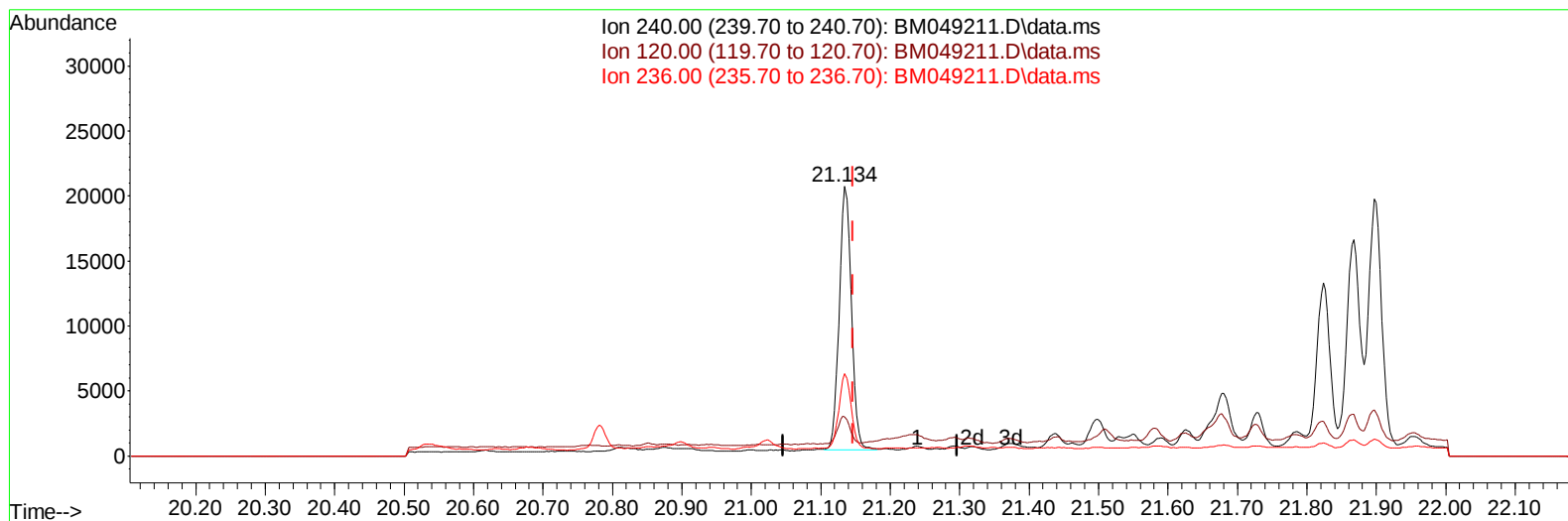
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(17) Chrysene-d12

21.134min (-0.012) 0.40 ng/ul m

response 24465

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	14.62
236.00	29.80	30.60
0.00	0.00	0.00

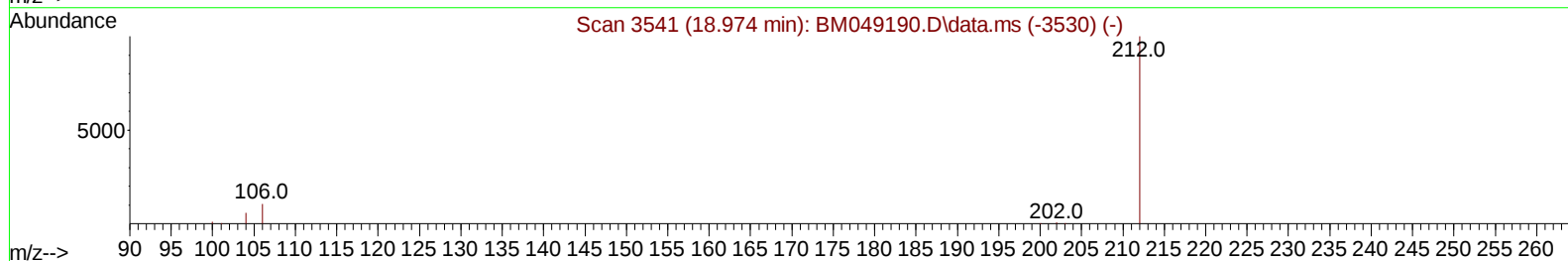
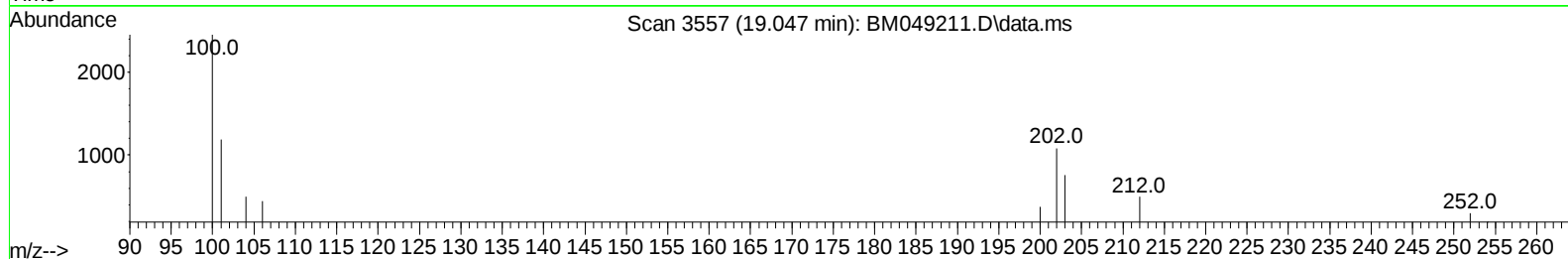
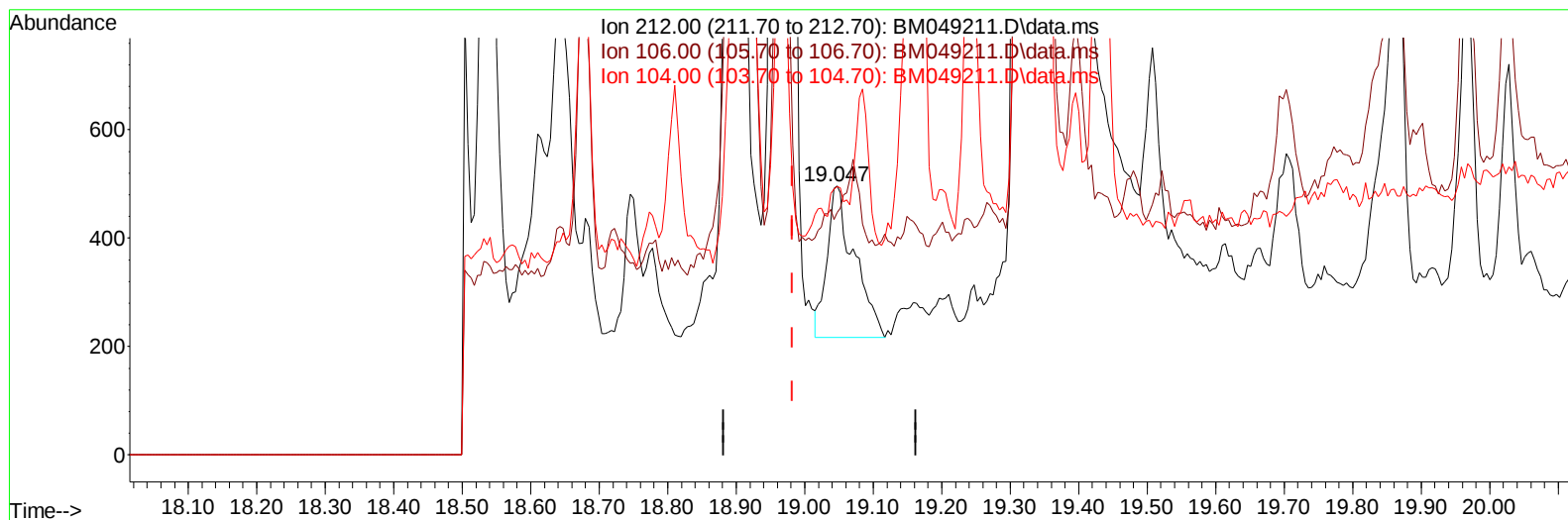
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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TIC: BM049211.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.047min (+ 0.065) 0.01 ng/u1

response 774

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	9.04#
104.00	6.50	14.99#
0.00	0.00	0.00

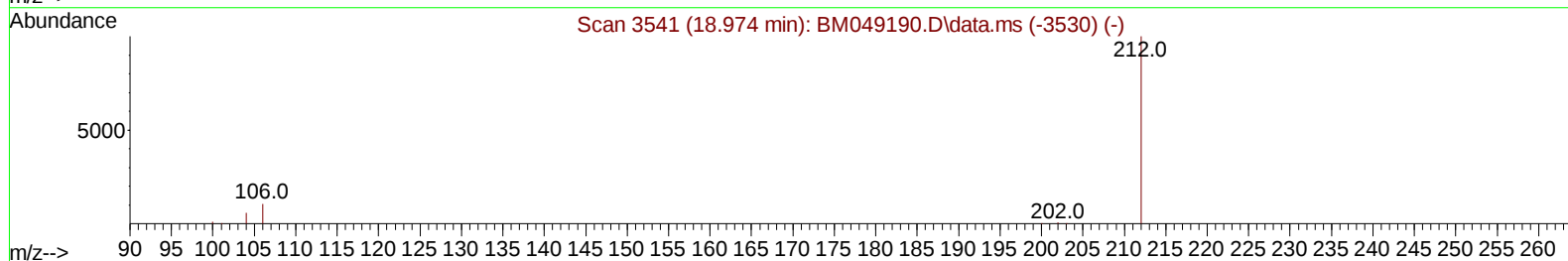
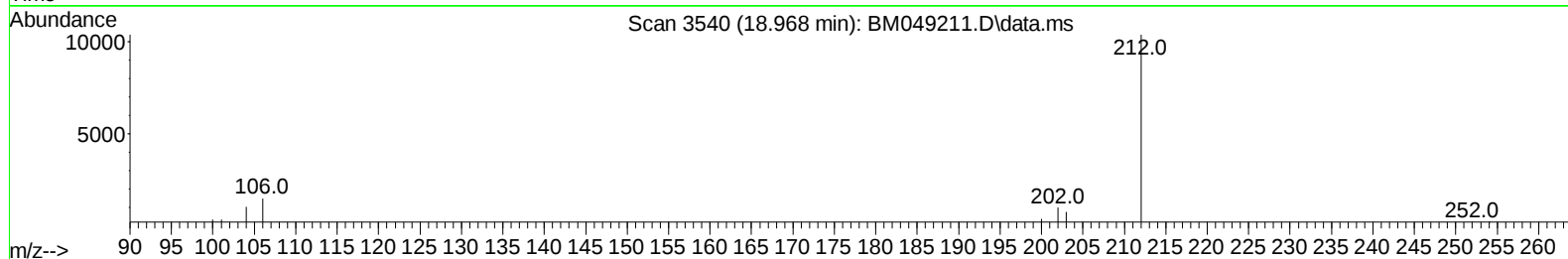
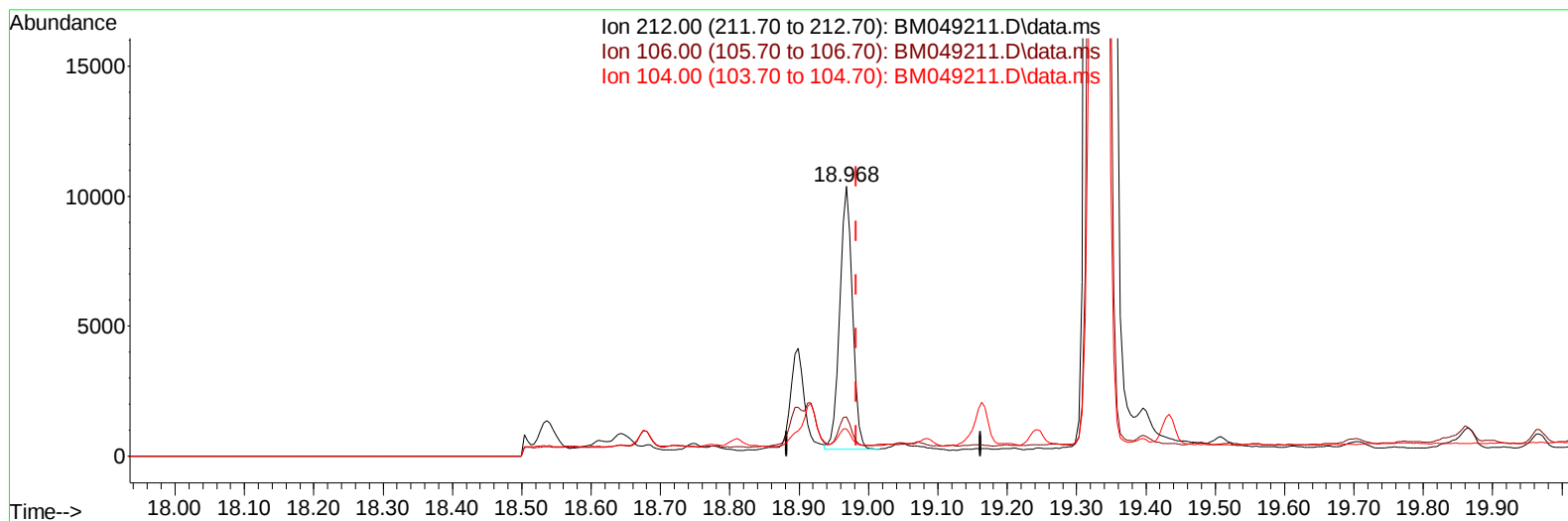
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.968min (-0.014) 0.19 ng/u1 m

response 13038

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	0.54#
104.00	6.50	0.89#
0.00	0.00	0.00

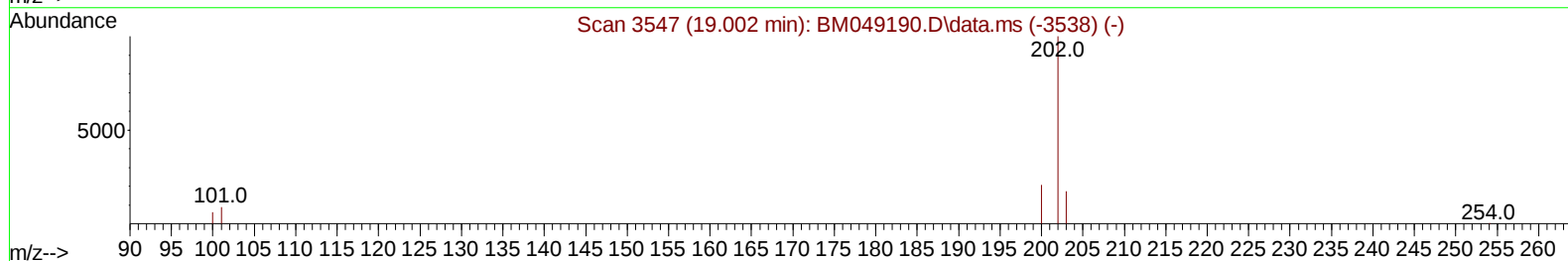
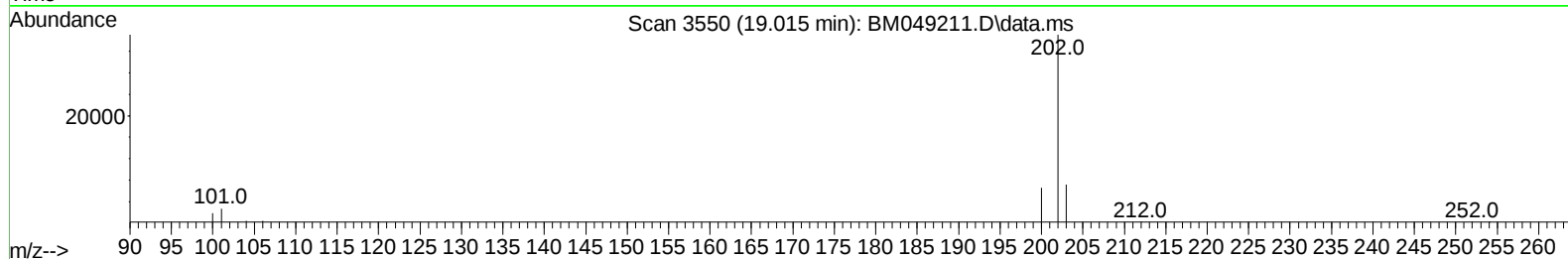
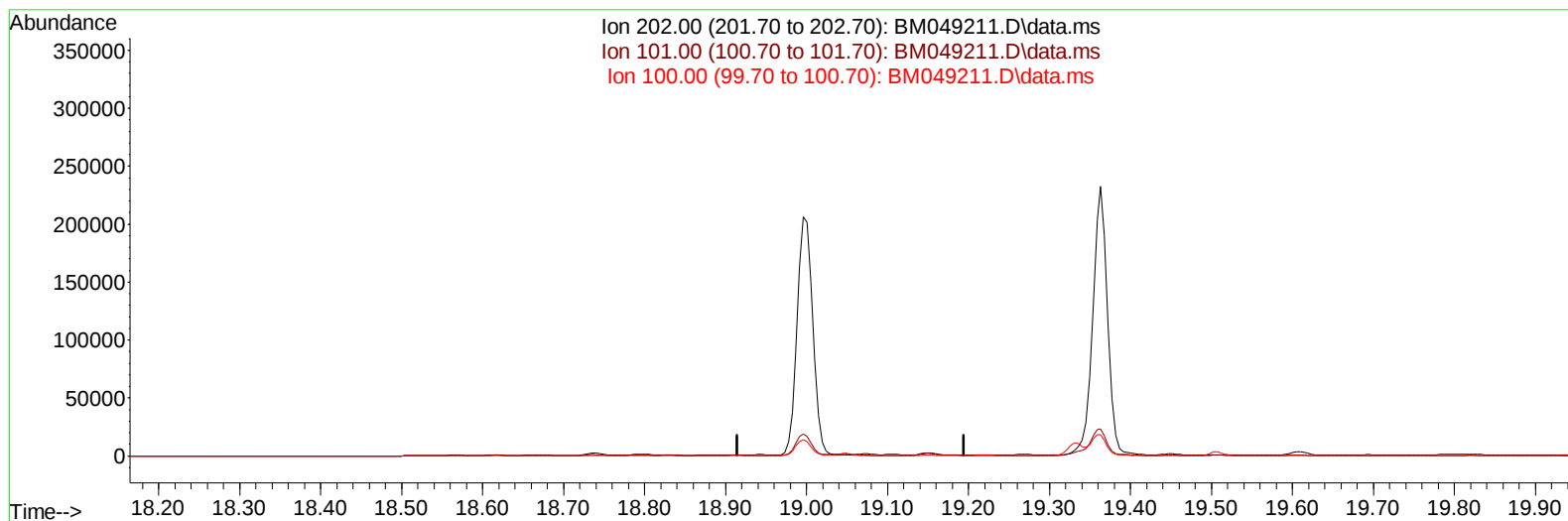
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(19) Fluoranthene (C)

19.015min (-19.015) 0.00 ng/u1

response 0

Ion	Exp%	Act%
202.00	100.00	0.00
101.00	9.50	0.00#
100.00	6.90	0.00#
0.00	0.00	0.00

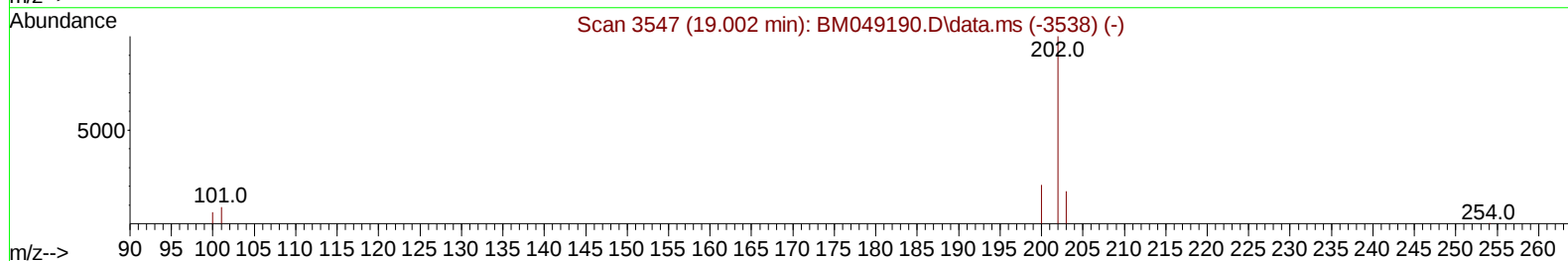
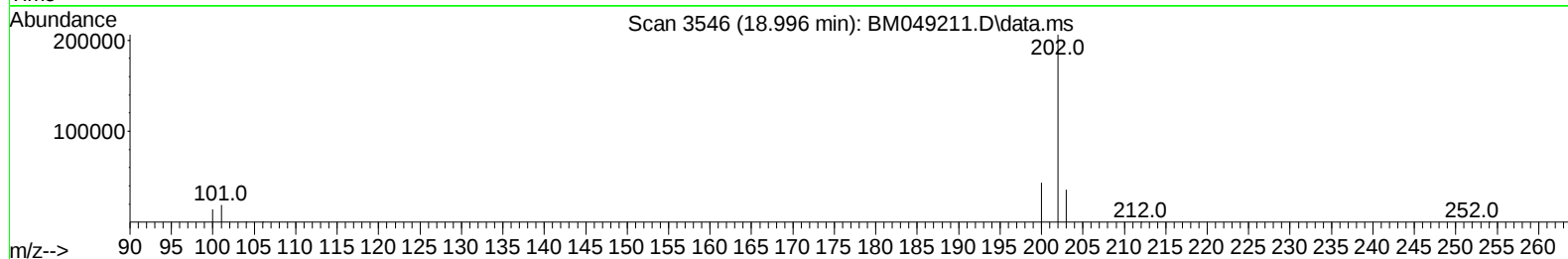
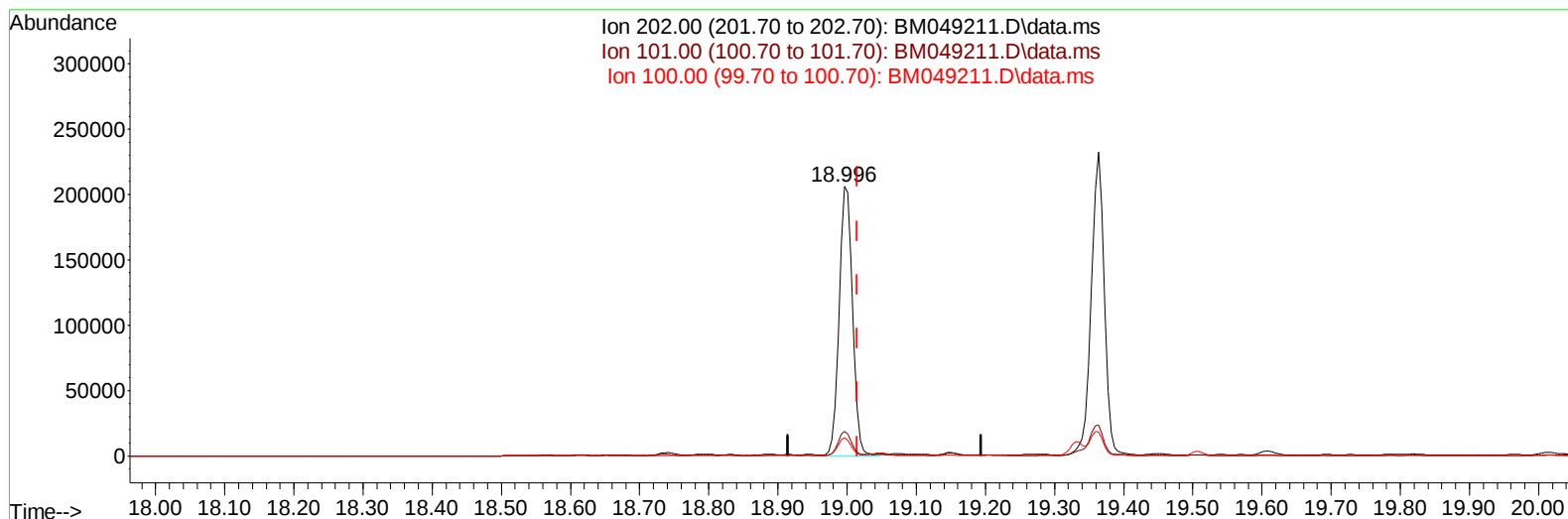
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(19) Fluoranthene (C)

18.996min (-0.019) 3.17 ng/ul m

response 280124

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	9.19
100.00	6.90	6.83
0.00	0.00	0.00

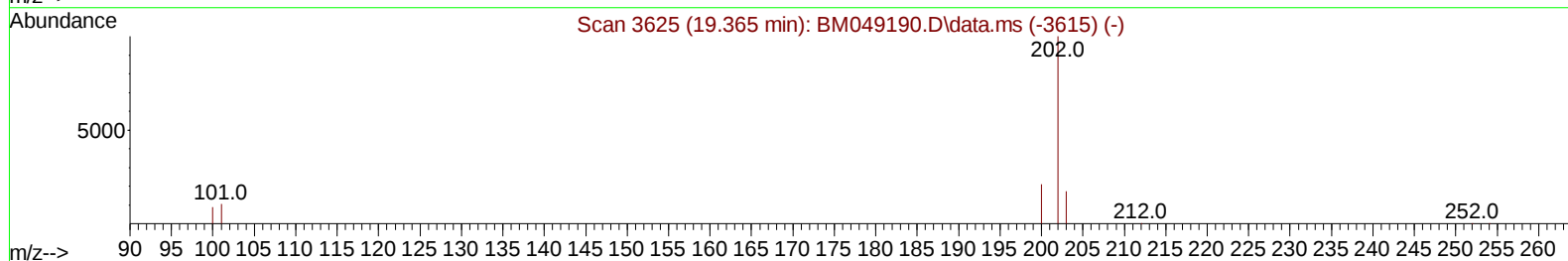
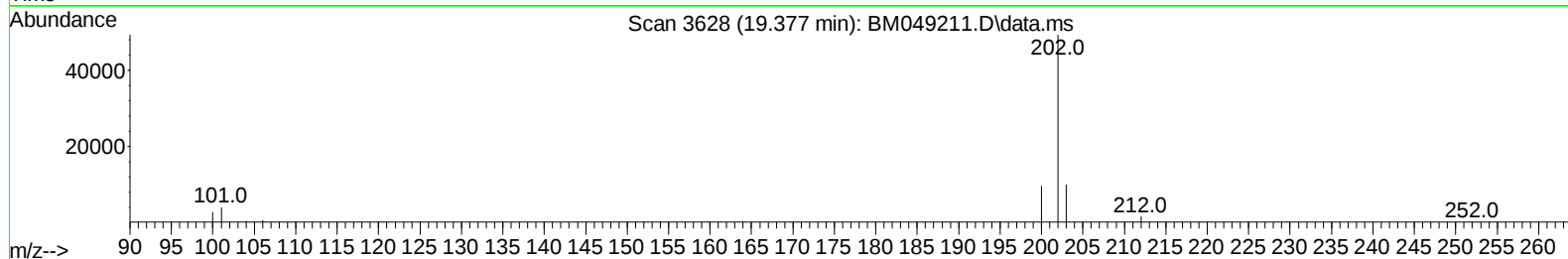
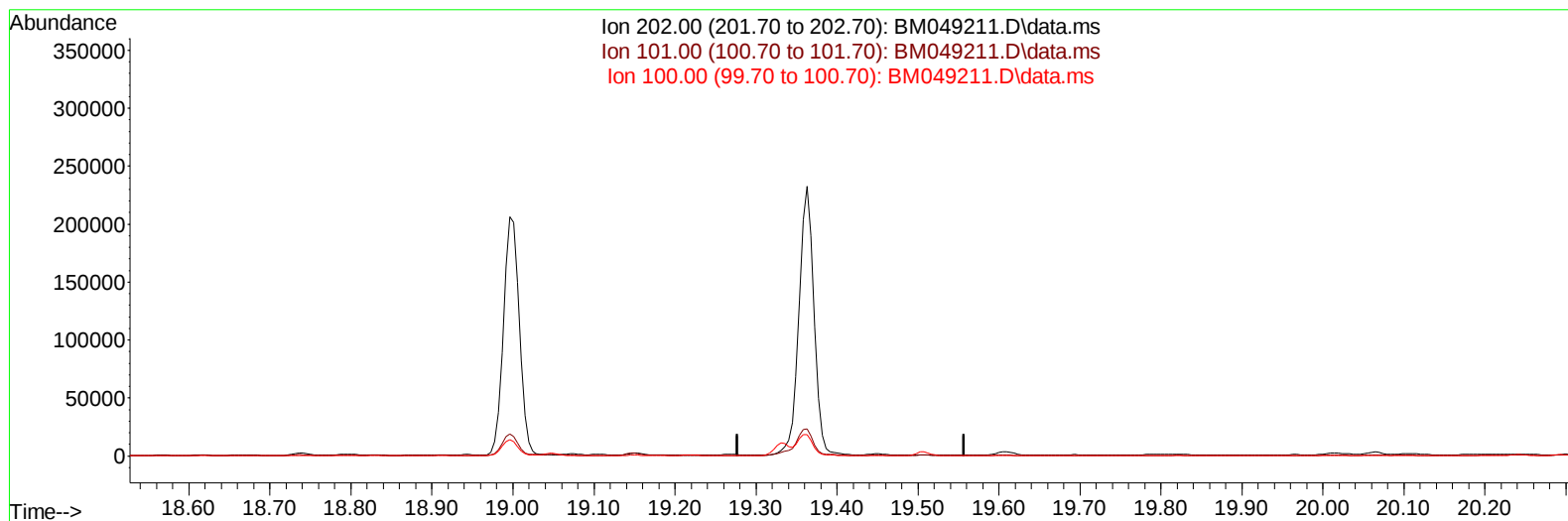
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(20) Pyrene

19.377min (-19.377) 0.00 ng/u1

response 0

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

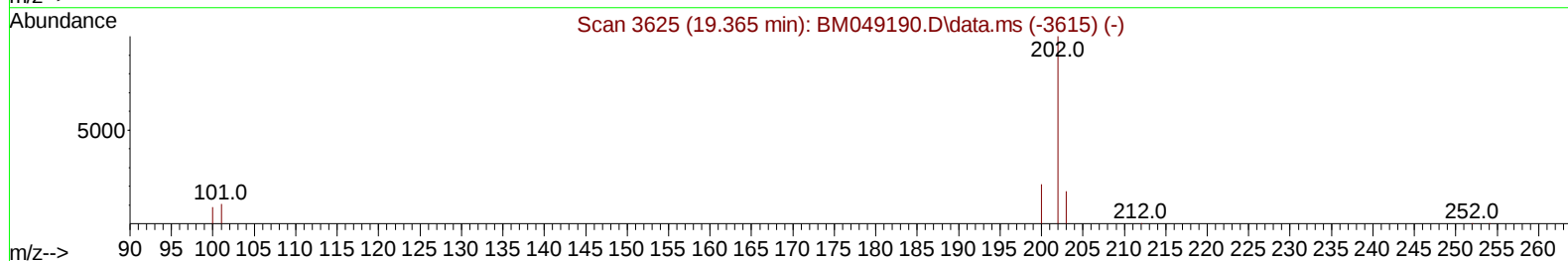
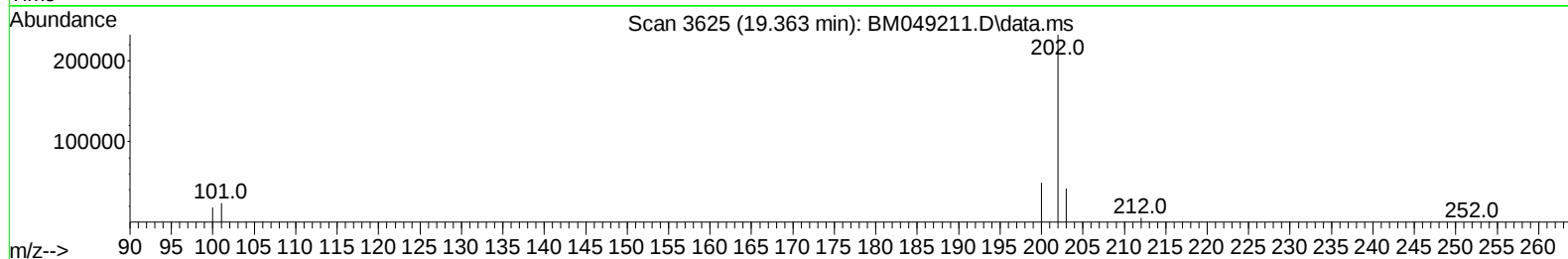
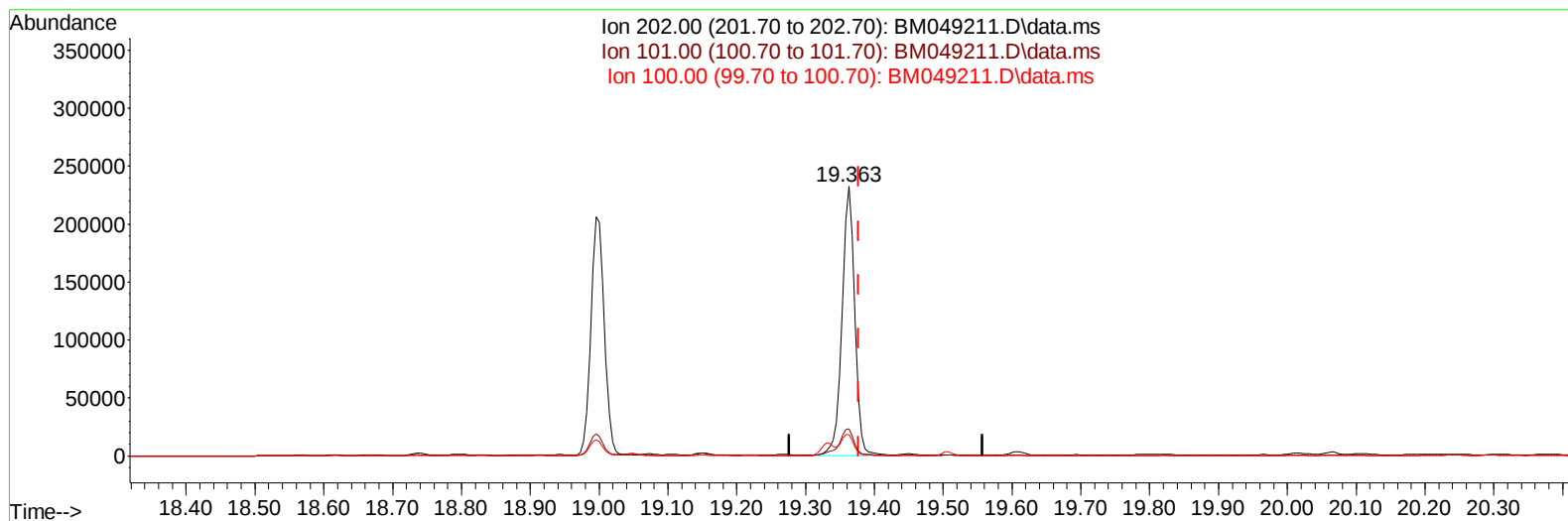
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(20) Pyrene

19.363min (-0.014) 3.19 ng/ul m

response 300938

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.11
100.00	8.60	7.94
0.00	0.00	0.00

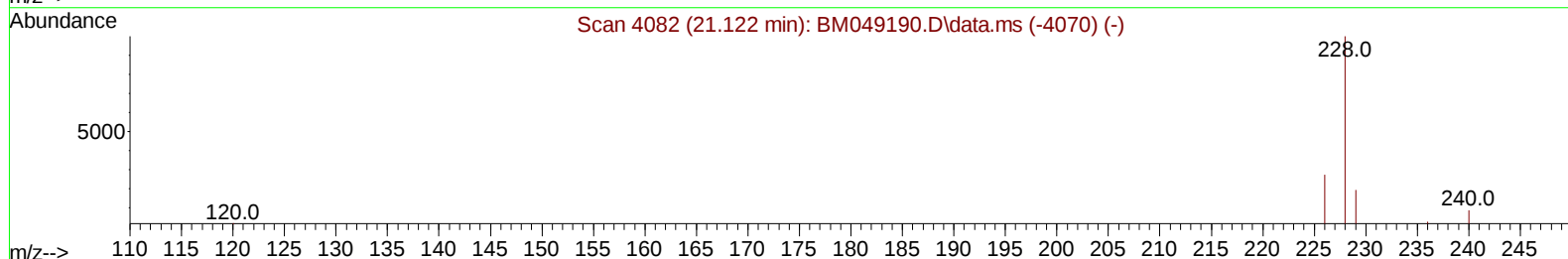
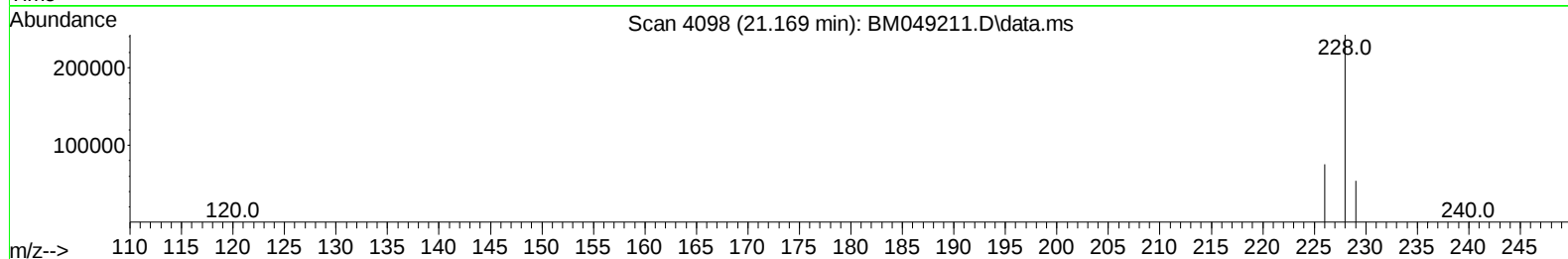
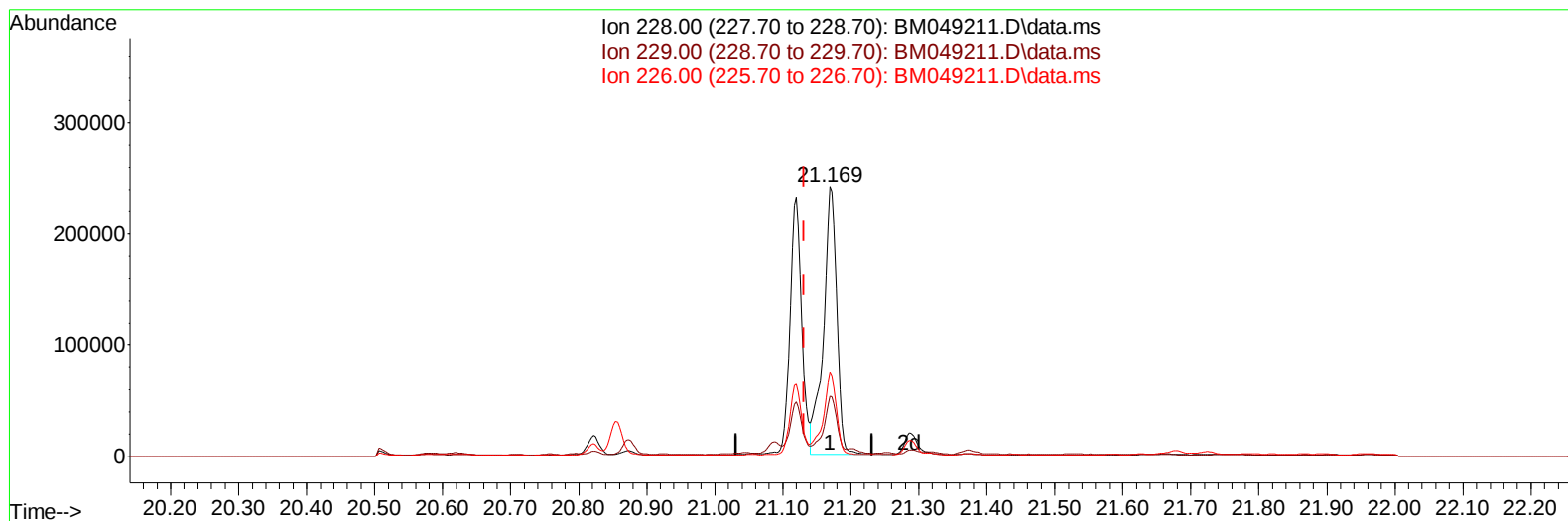
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(21) Benzo(a)anthracene

21.169min (+ 0.038) 3.86 ng/u1

response 328913

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	22.39
226.00	28.30	30.99
0.00	0.00	0.00

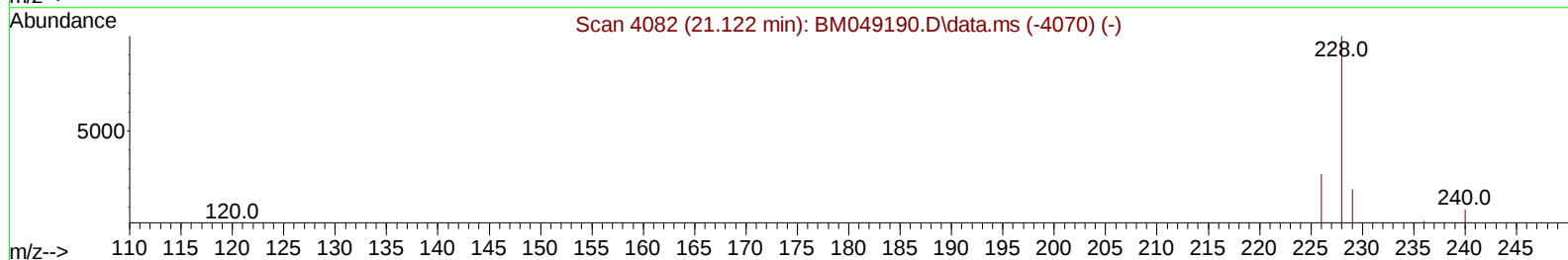
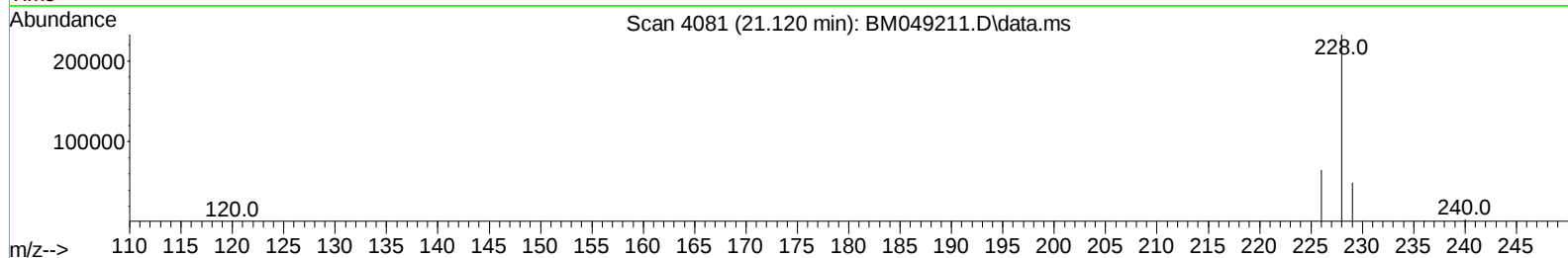
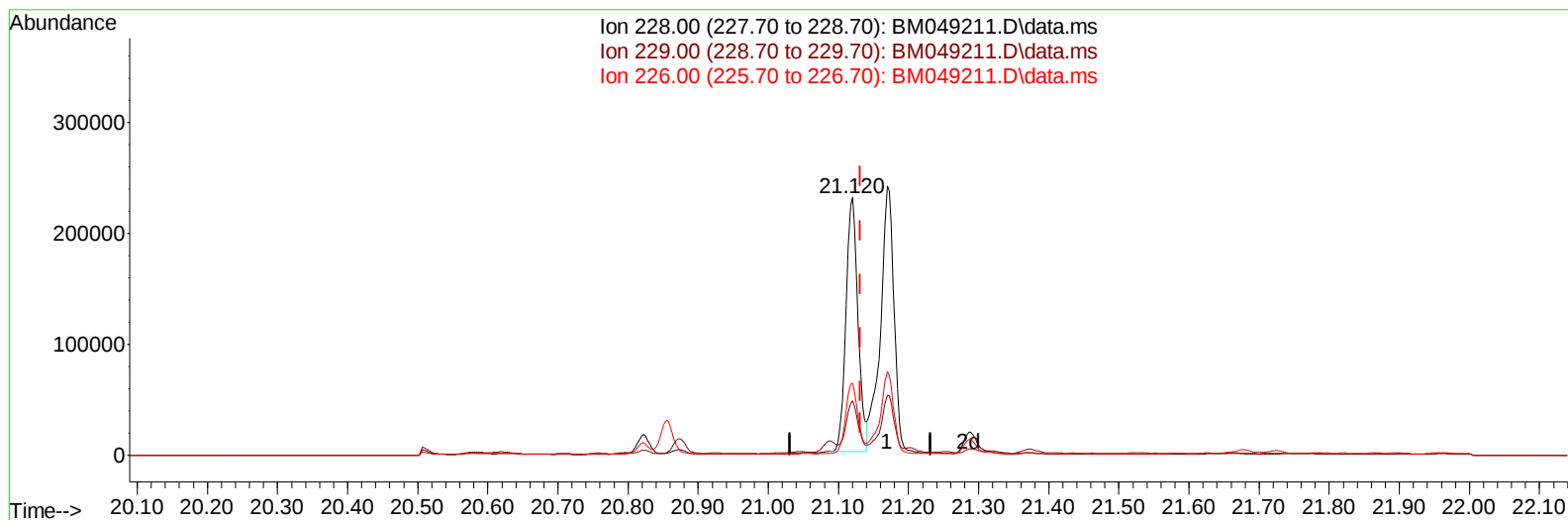
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(21) Benzo(a)anthracene

21.120min (-0.012) 3.25 ng/u1 m

response 276203

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	21.05
226.00	28.30	27.86
0.00	0.00	0.00

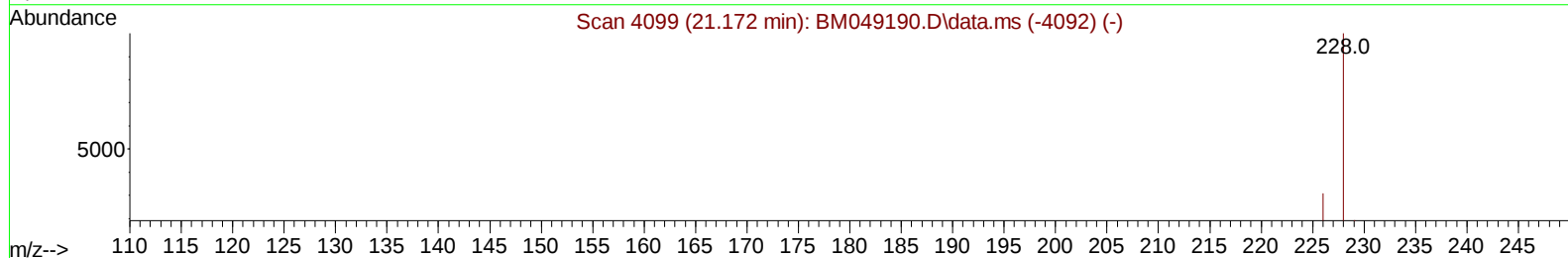
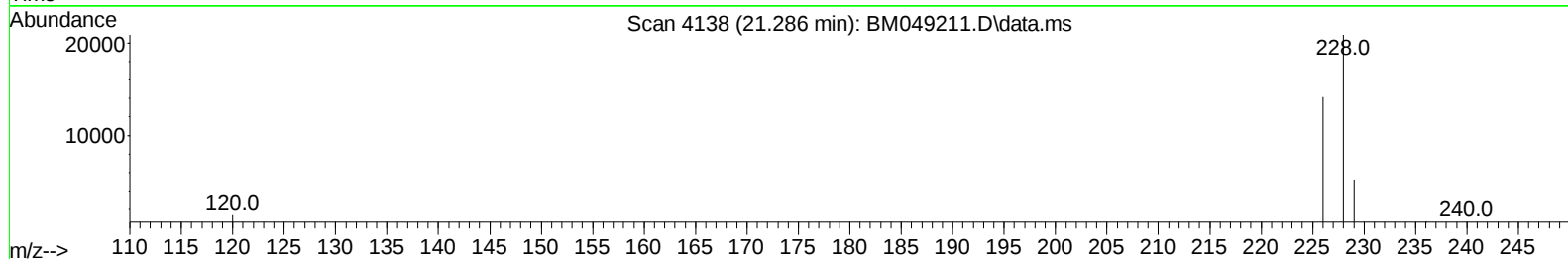
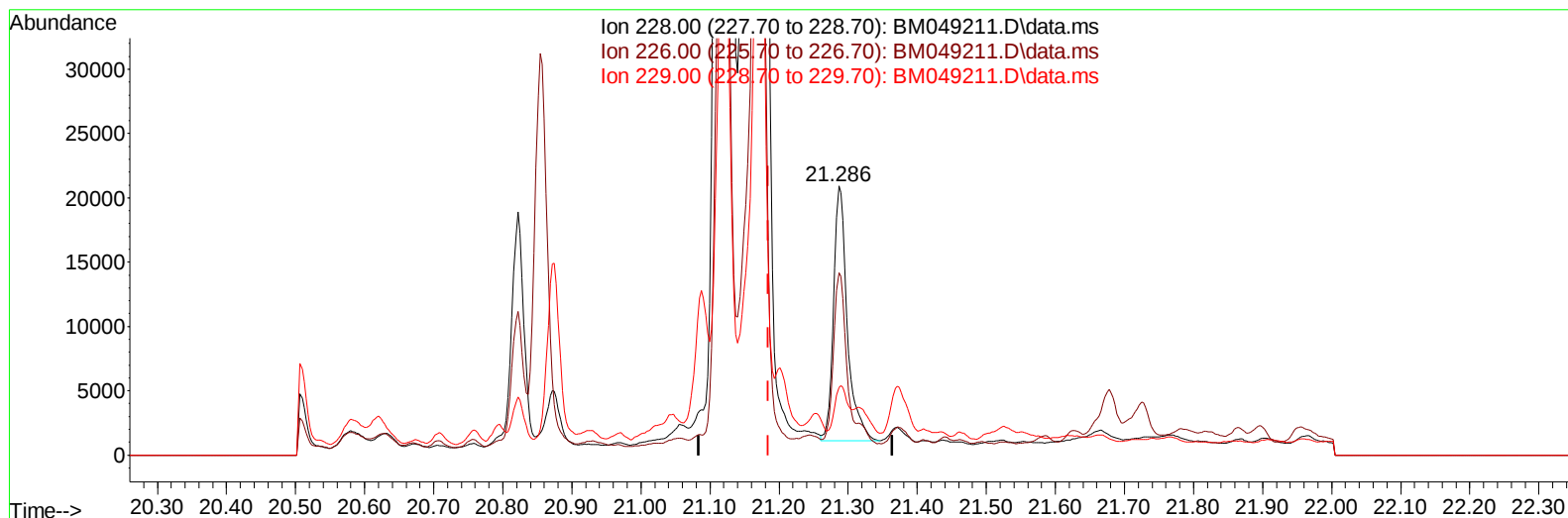
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(22) Chrysene

21.286min (+ 0.102) 0.30 ng/u1

response 27478

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	67.72#
229.00	19.80	25.05#
0.00	0.00	0.00

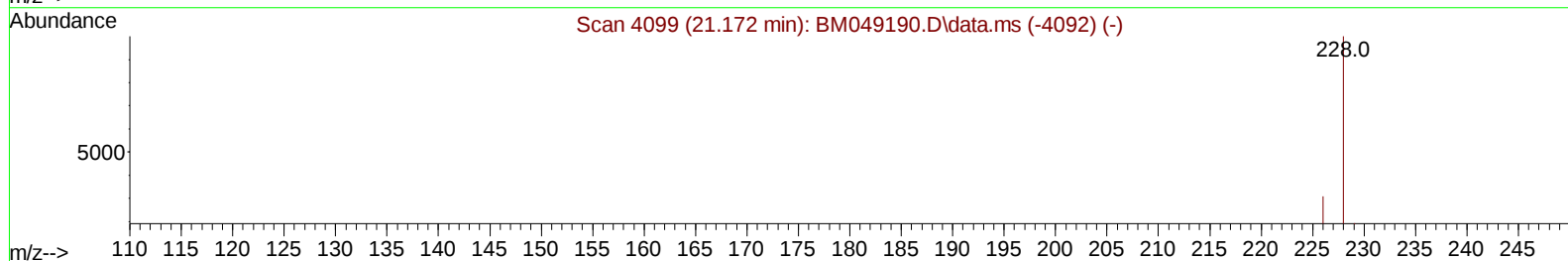
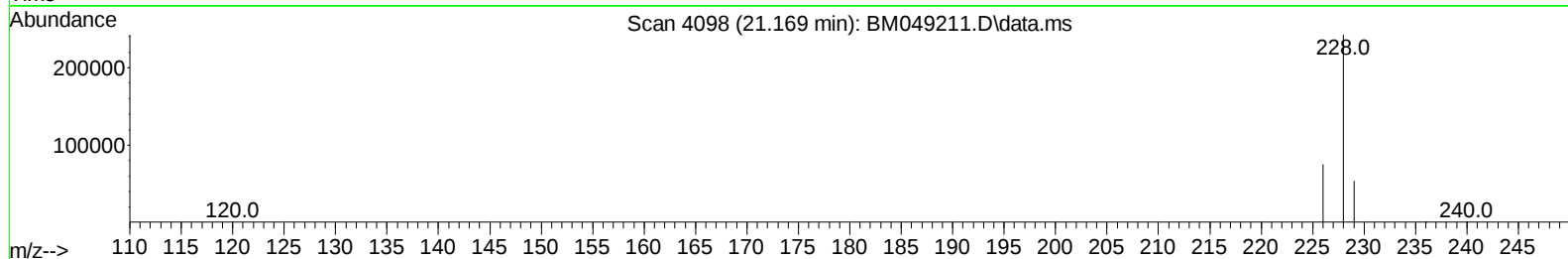
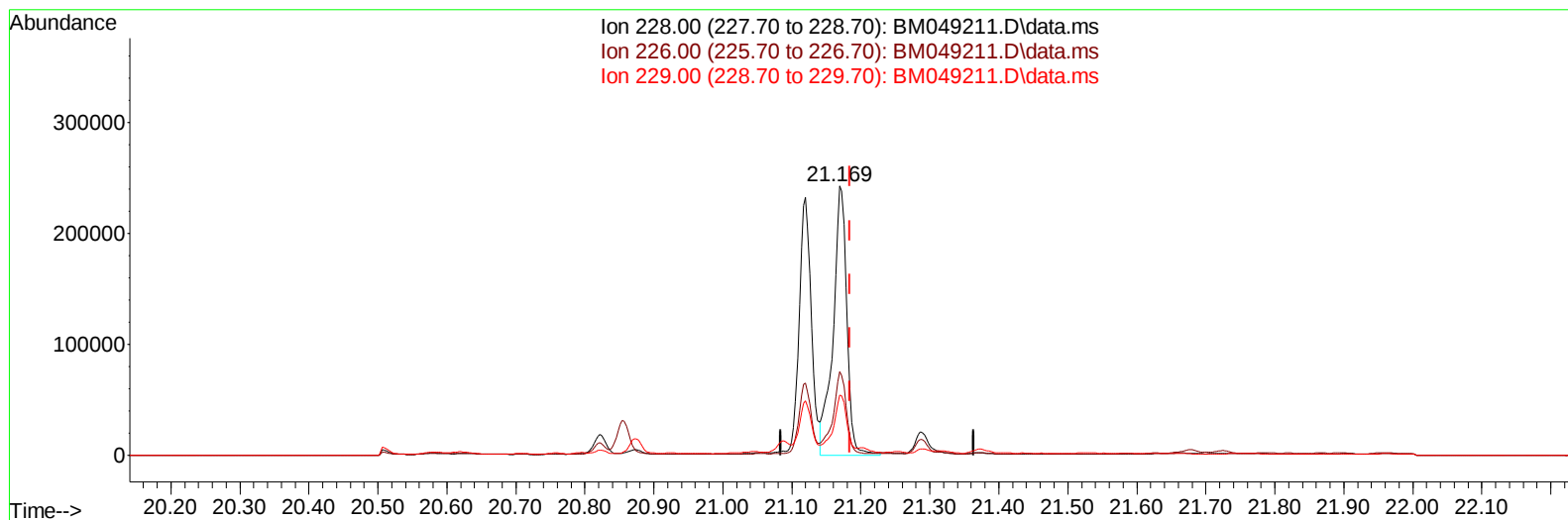
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(22) Chrysene

21.169min (-0.015) 3.68 ng/u1 m

response 336425

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.99
229.00	19.80	22.39
0.00	0.00	0.00

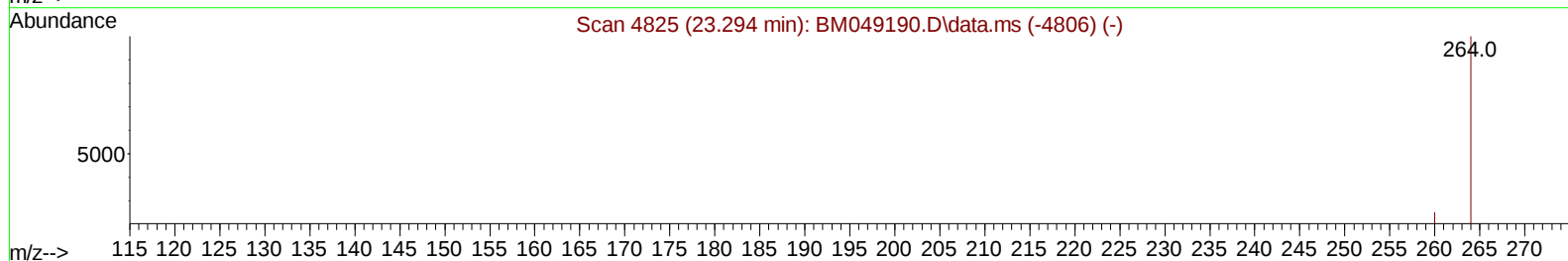
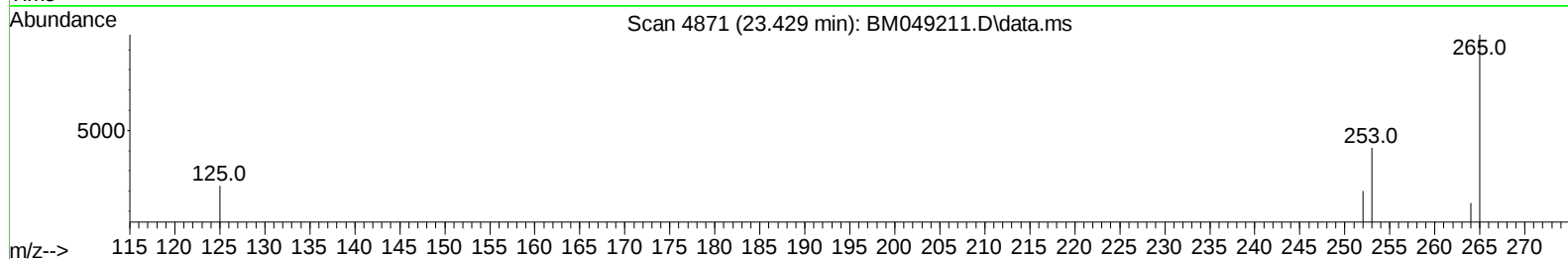
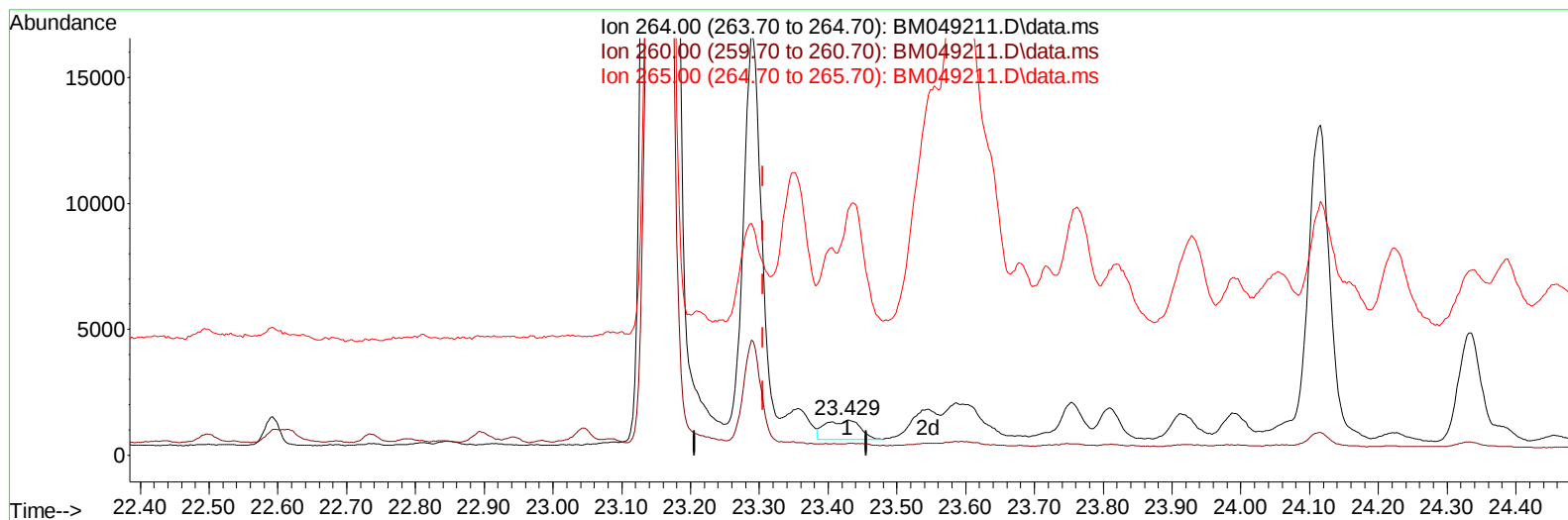
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(23) Perylene-d12 (I)

23.429min (+ 0.123) 0.40 ng/u1

response 2585

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	33.24#
265.00	78.30	694.94#
0.00	0.00	0.00

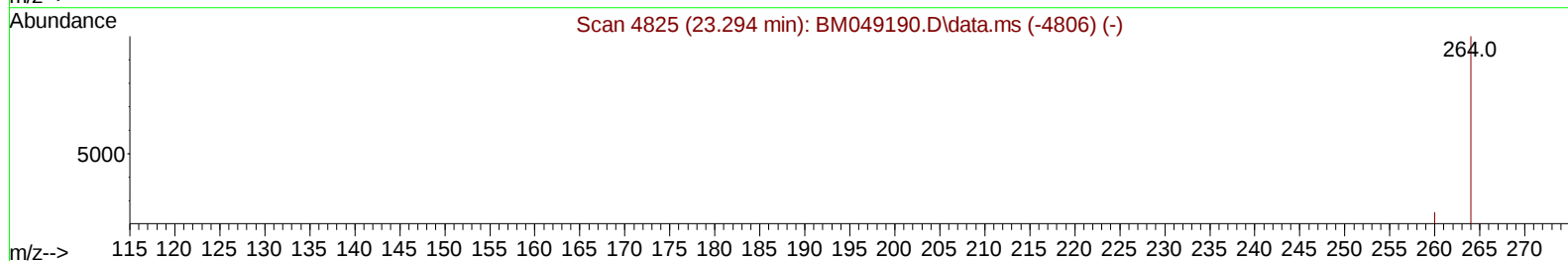
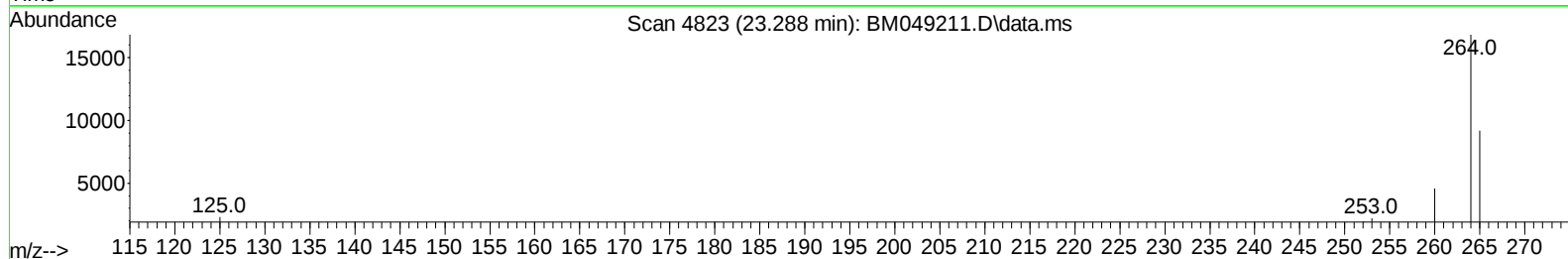
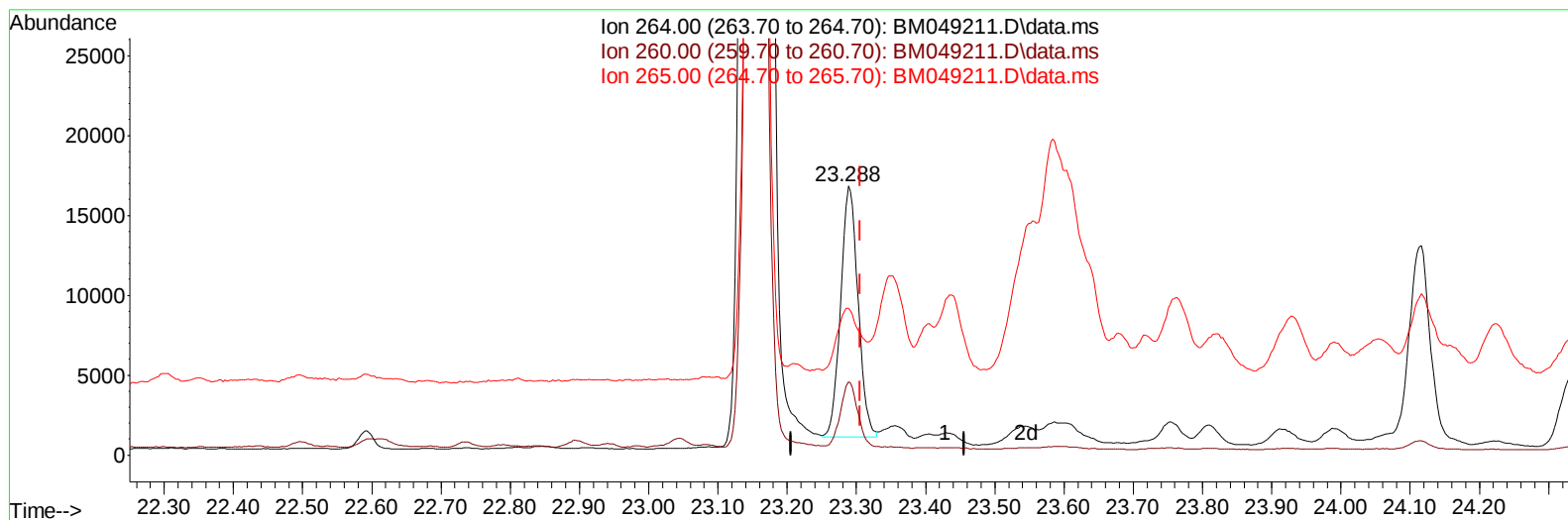
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(23) Perylene-d12 (I)

23.288min (-0.018) 0.40 ng/ul m

response 27269

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	27.14
265.00	78.30	54.63#
0.00	0.00	0.00

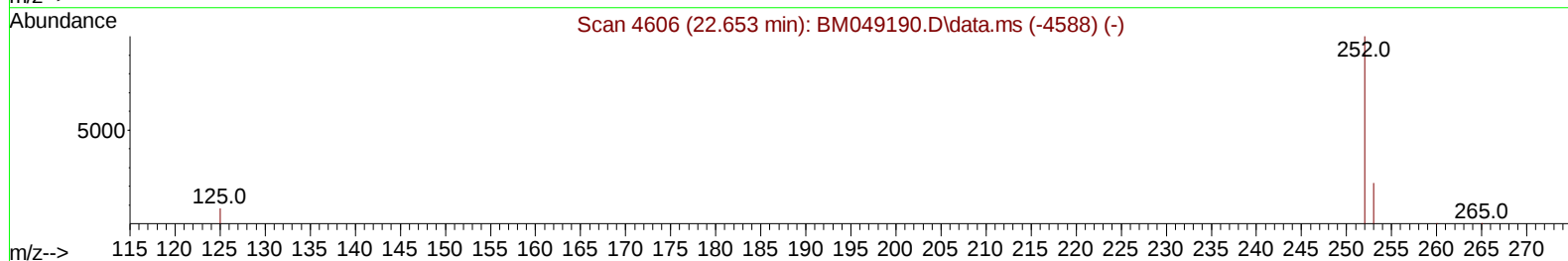
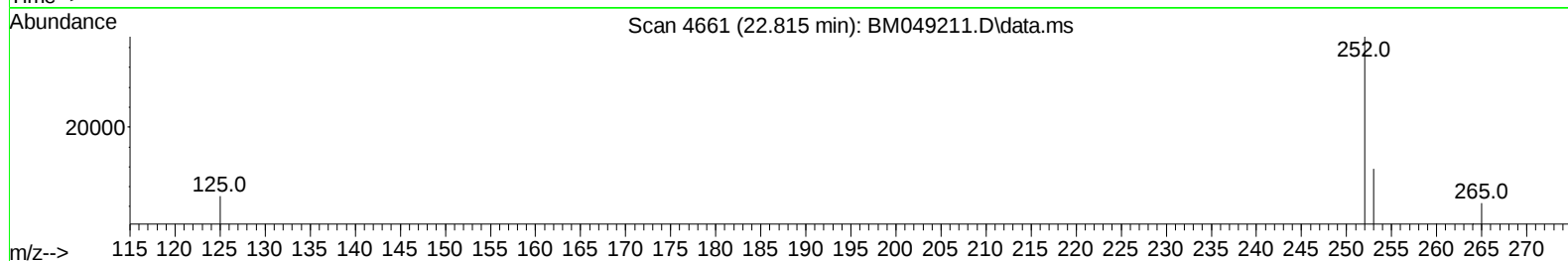
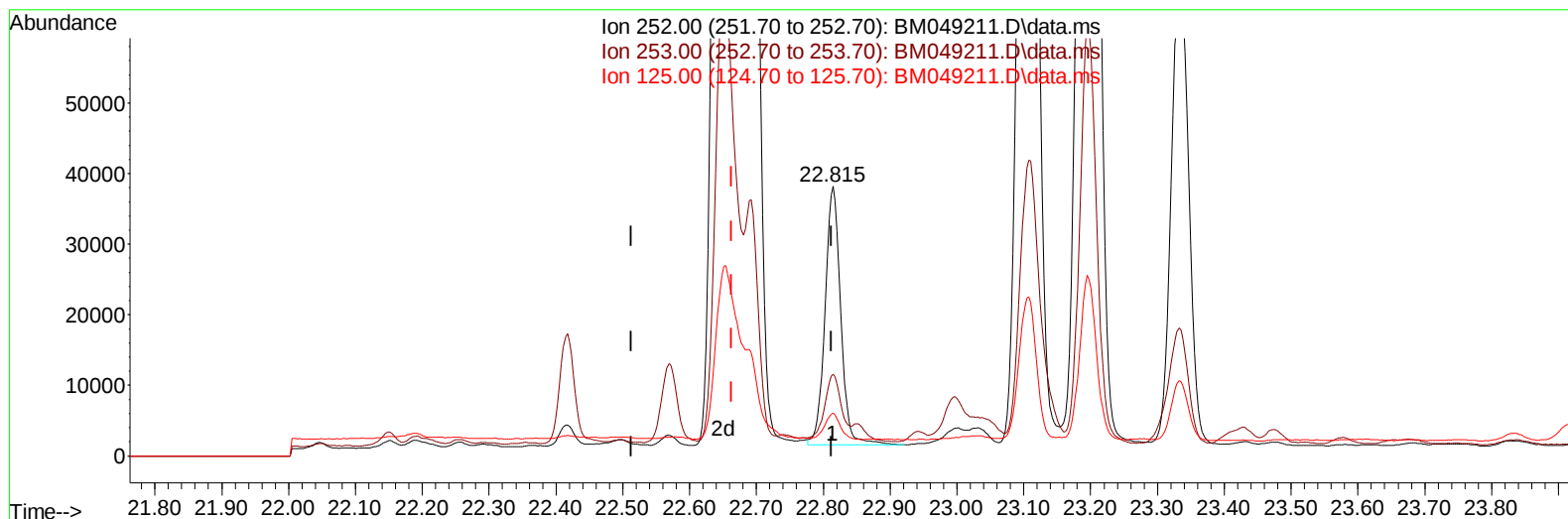
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(24) Benzo(b)fluoranthene

22.815min (+ 0.152) 0.69 ng/u1

response 60457

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	30.35
125.00	15.40	15.85
0.00	0.00	0.00

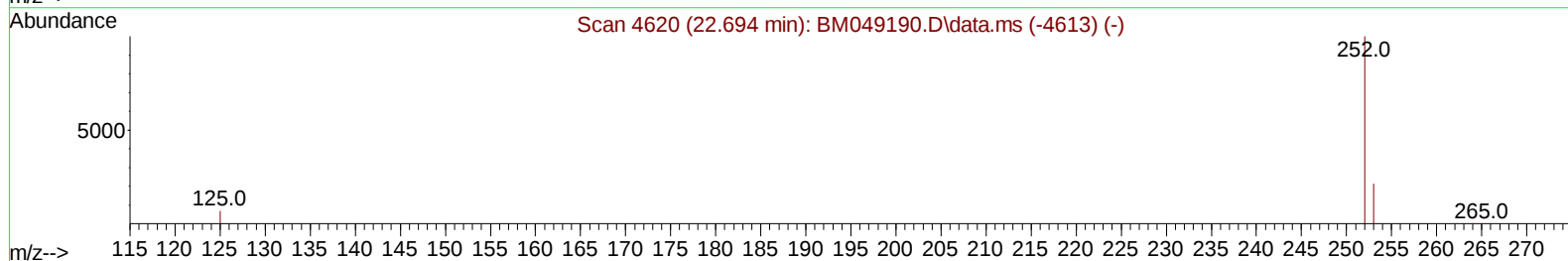
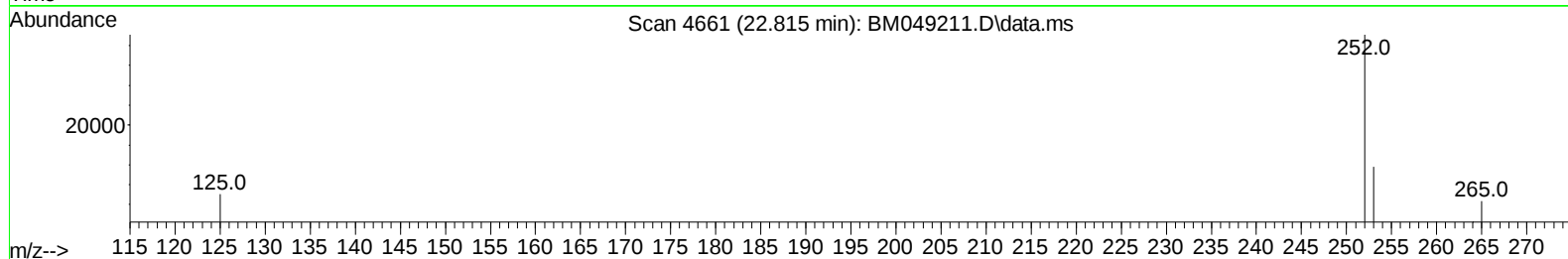
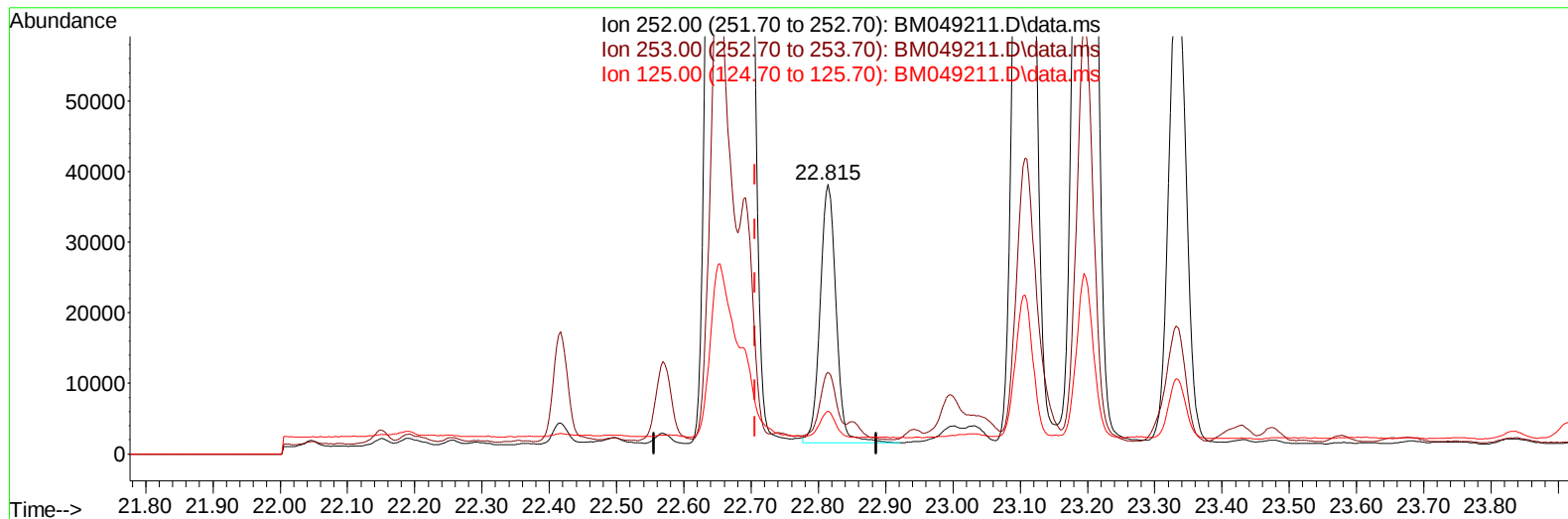
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(25) Benzo(k)fluoranthene

22.815min (+ 0.108) 0.63 ng/u1

response 60457

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	30.35
125.00	15.70	15.85
0.00	0.00	0.00

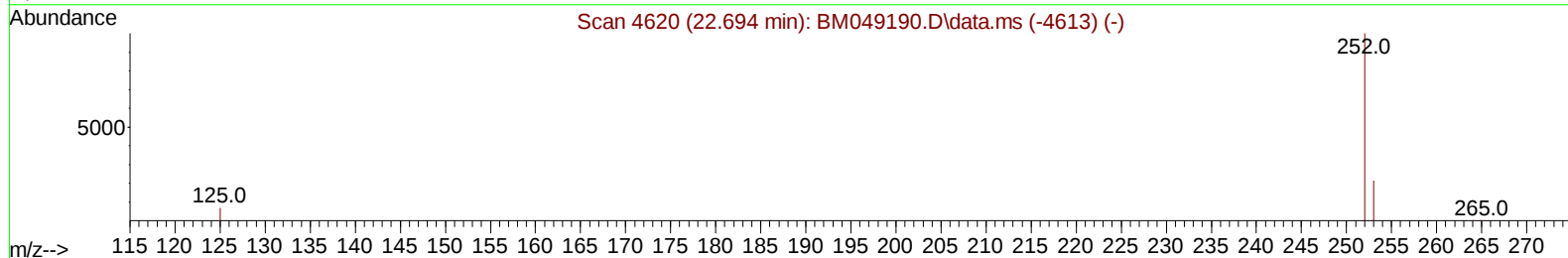
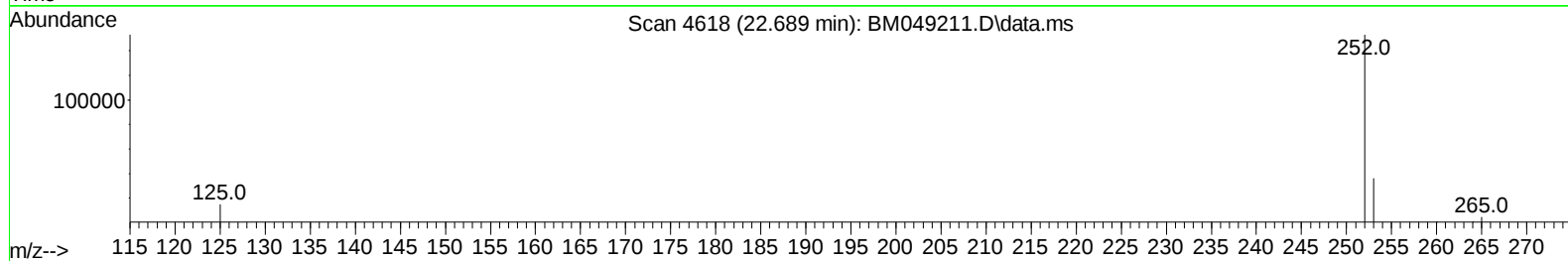
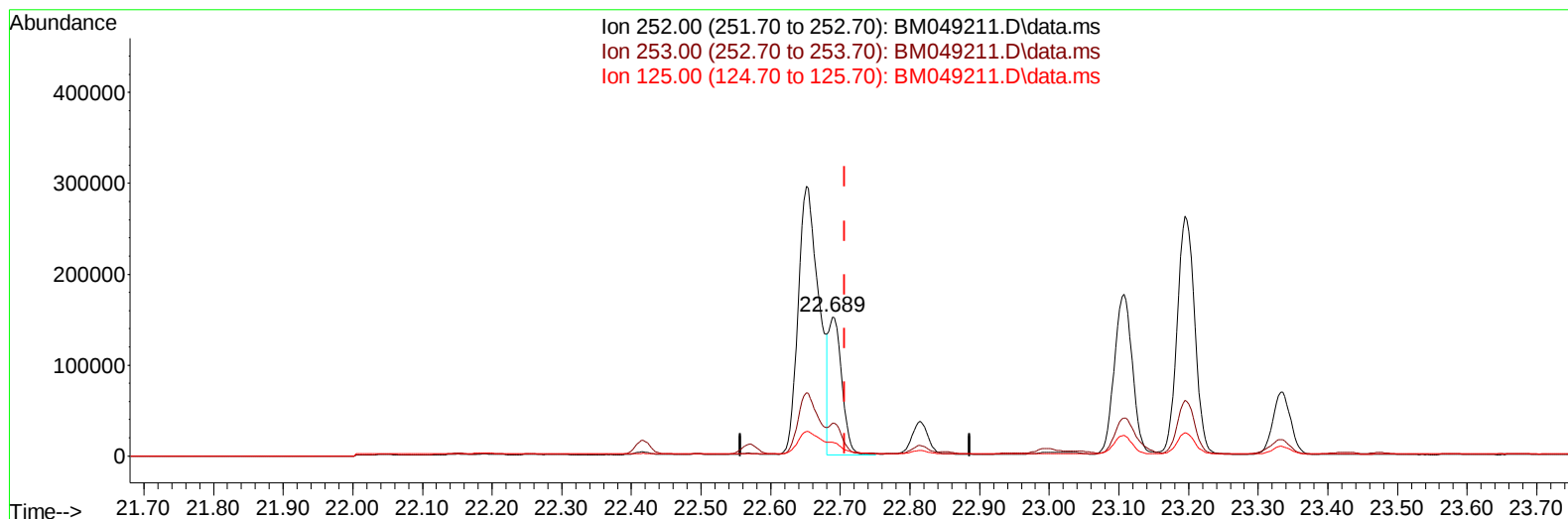
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.018) 2.13 ng/u1 m

response 203174

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	23.60
125.00	15.70	9.83#
0.00	0.00	0.00

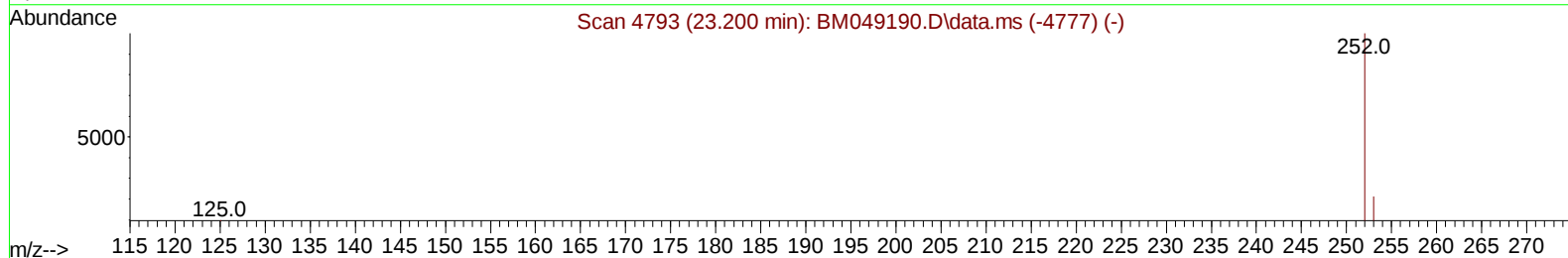
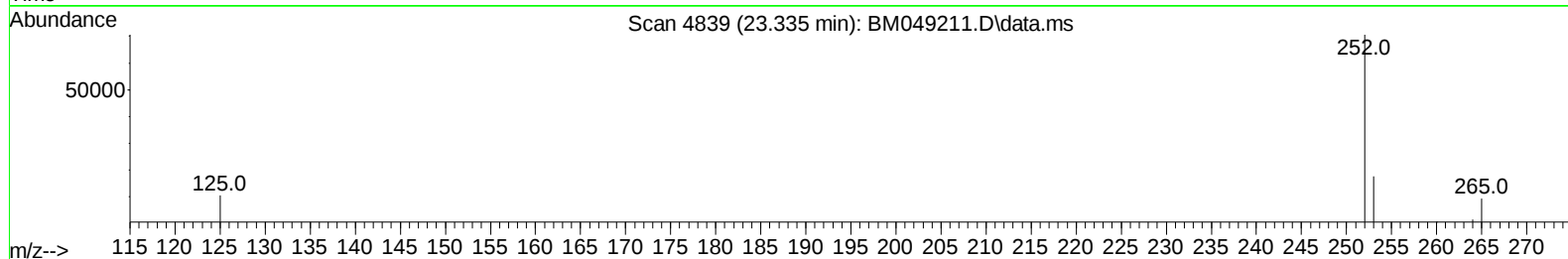
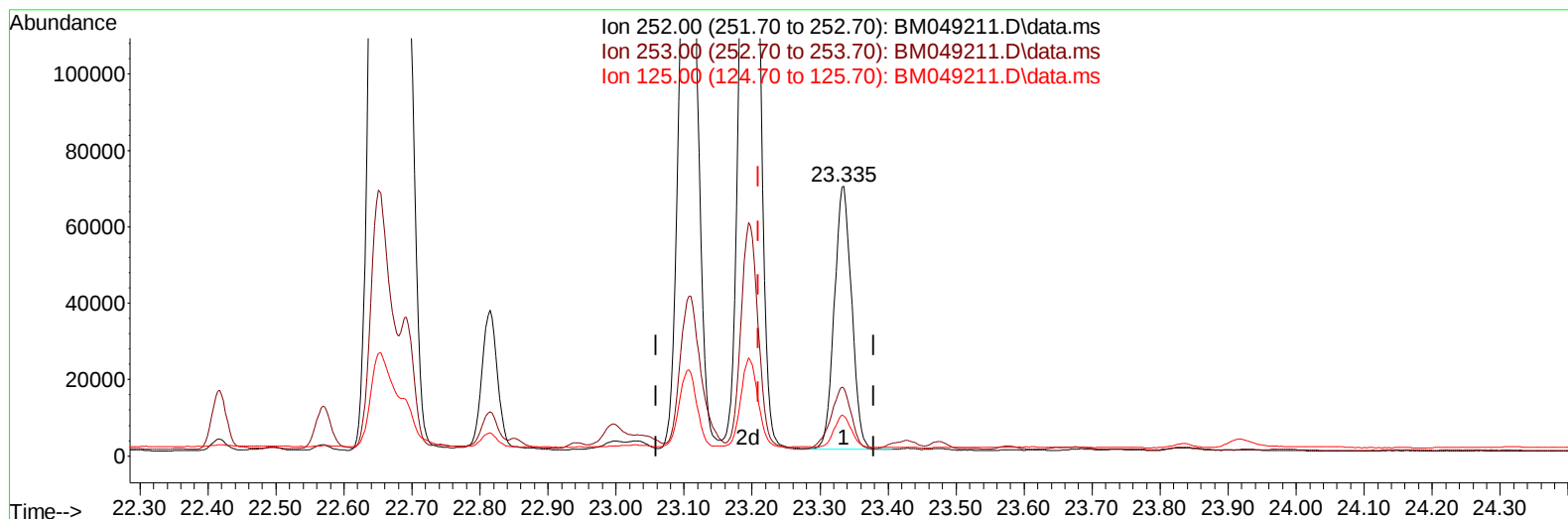
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049211.D
 Acq On : 25 Dec 2024 07:56
 Operator : RC/JU
 Sample : P5333-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(26) Benzo(a)pyrene (C)

23.335min (+ 0.126) 1.46 ng/u1

response 122278

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	25.14
125.00	18.50	14.82
0.00	0.00	0.00

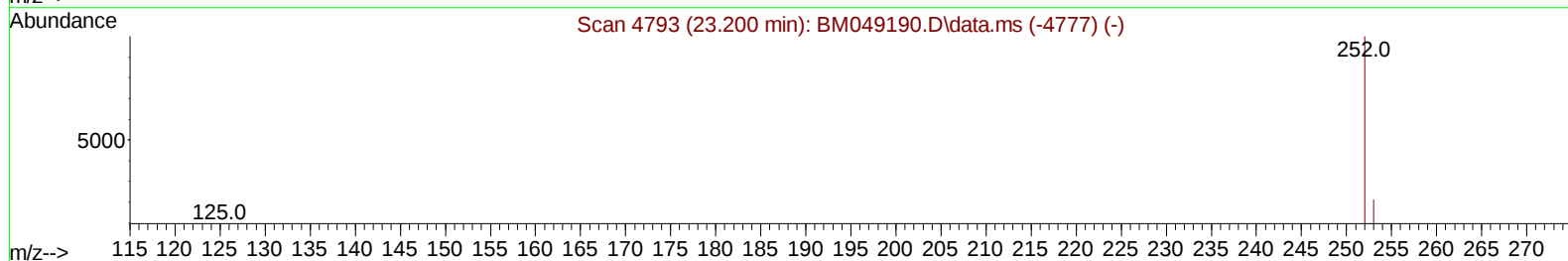
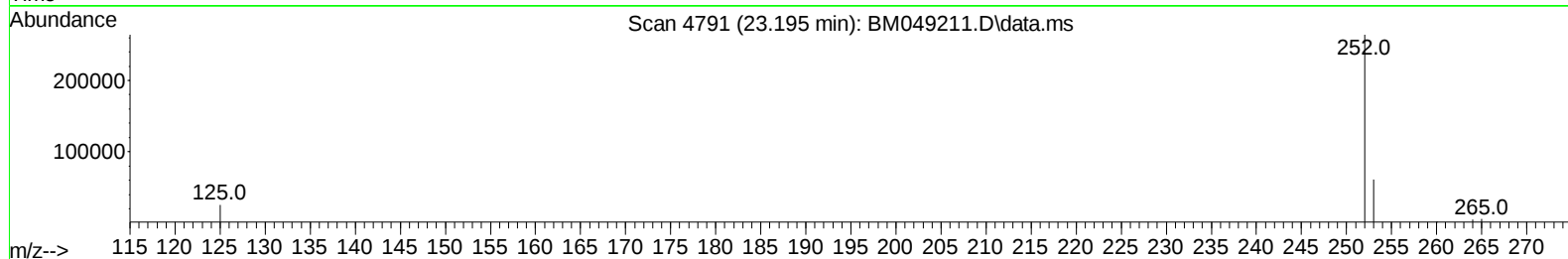
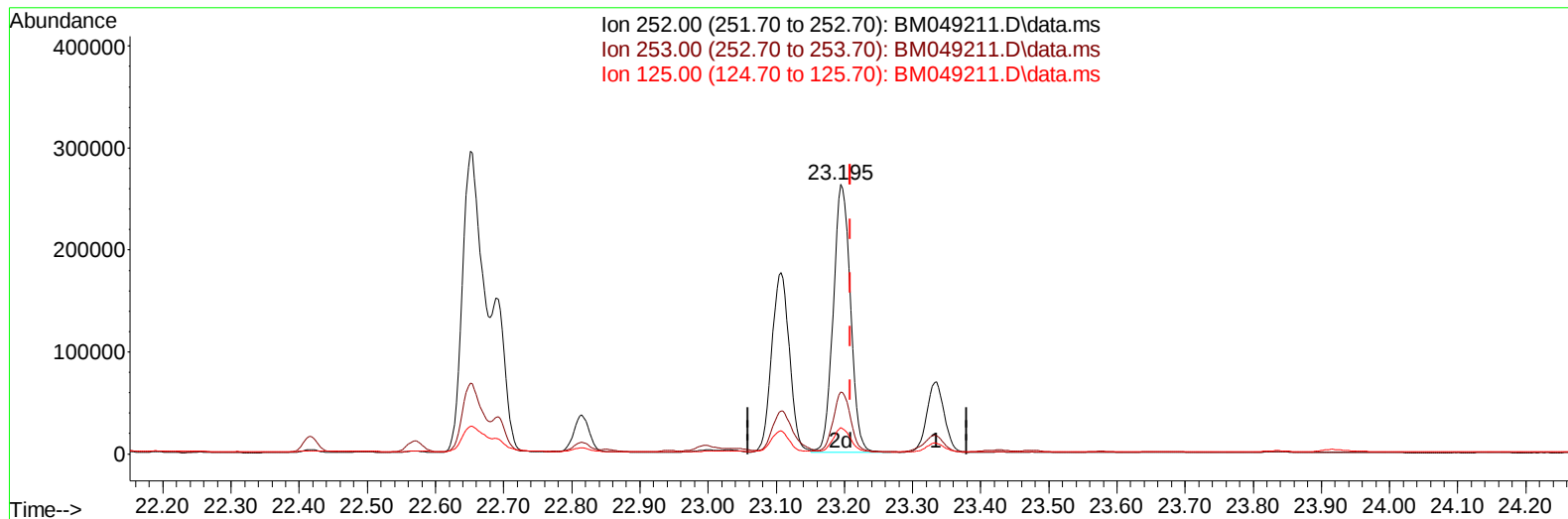
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

(26) Benzo(a)pyrene (C)

23.195min (-0.015) 5.50 ng/u1 m

response 459501

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	23.13
125.00	18.50	9.71#
0.00	0.00	0.00

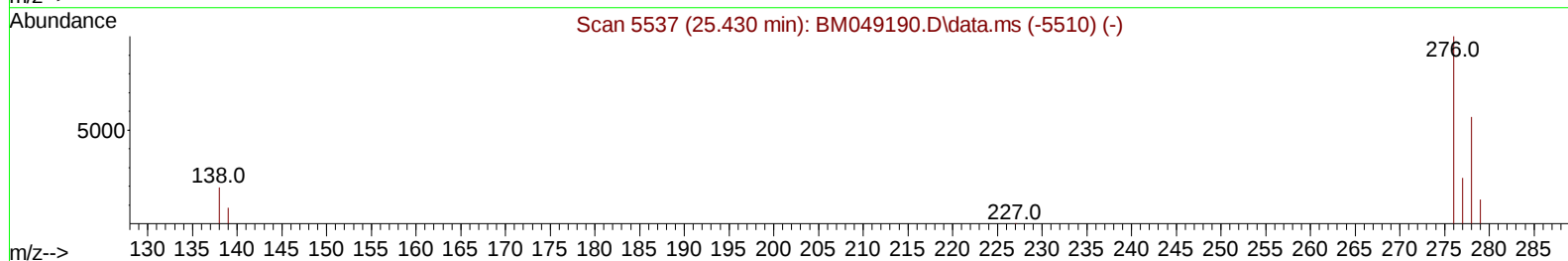
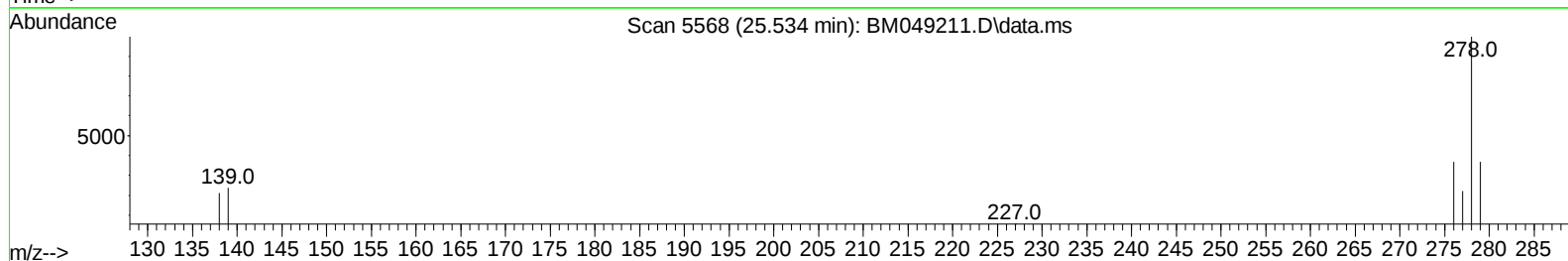
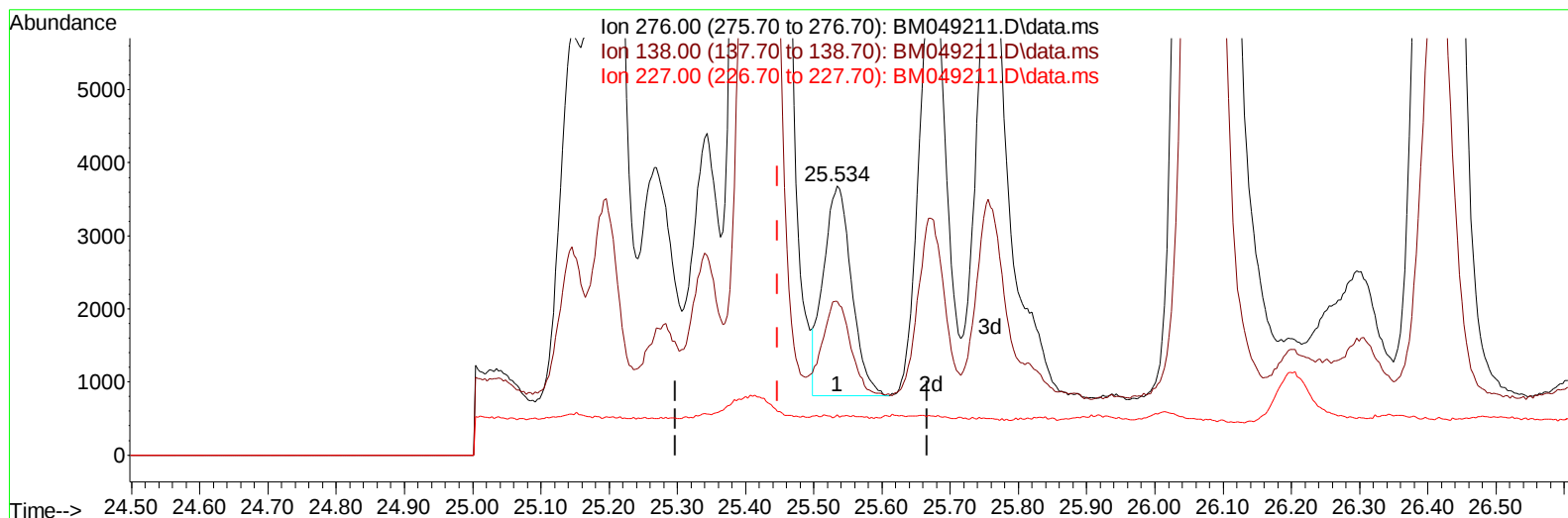
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049211.D
 Acq On : 25 Dec 2024 07:56
 Operator : RC/JU
 Sample : P5333-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
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 Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

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

25.534min (+ 0.087) 0.07 ng/u1

response 8314

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	45.07#
227.00	0.20	1.21#
0.00	0.00	0.00

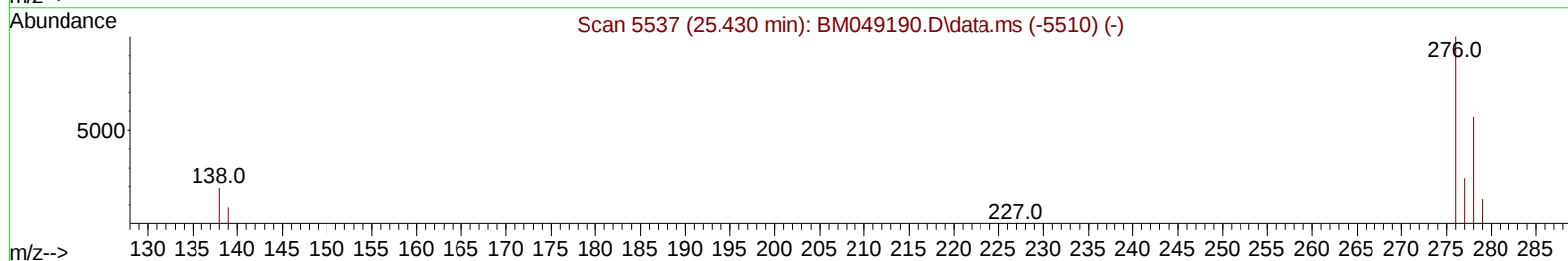
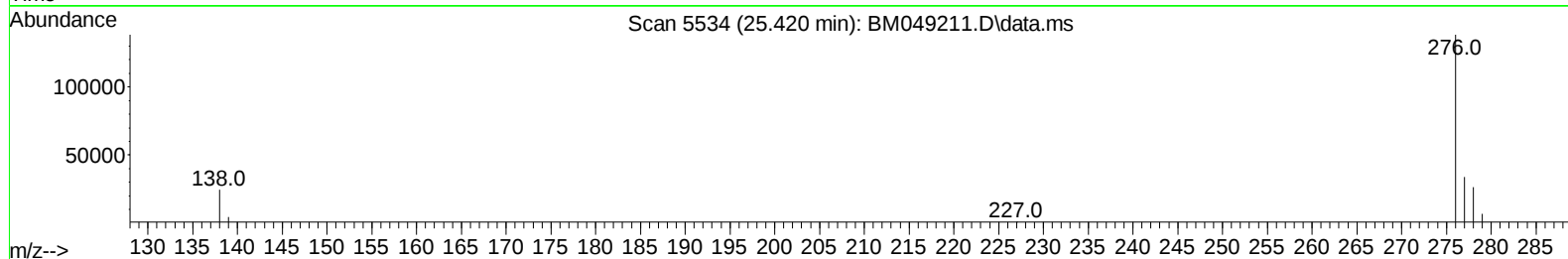
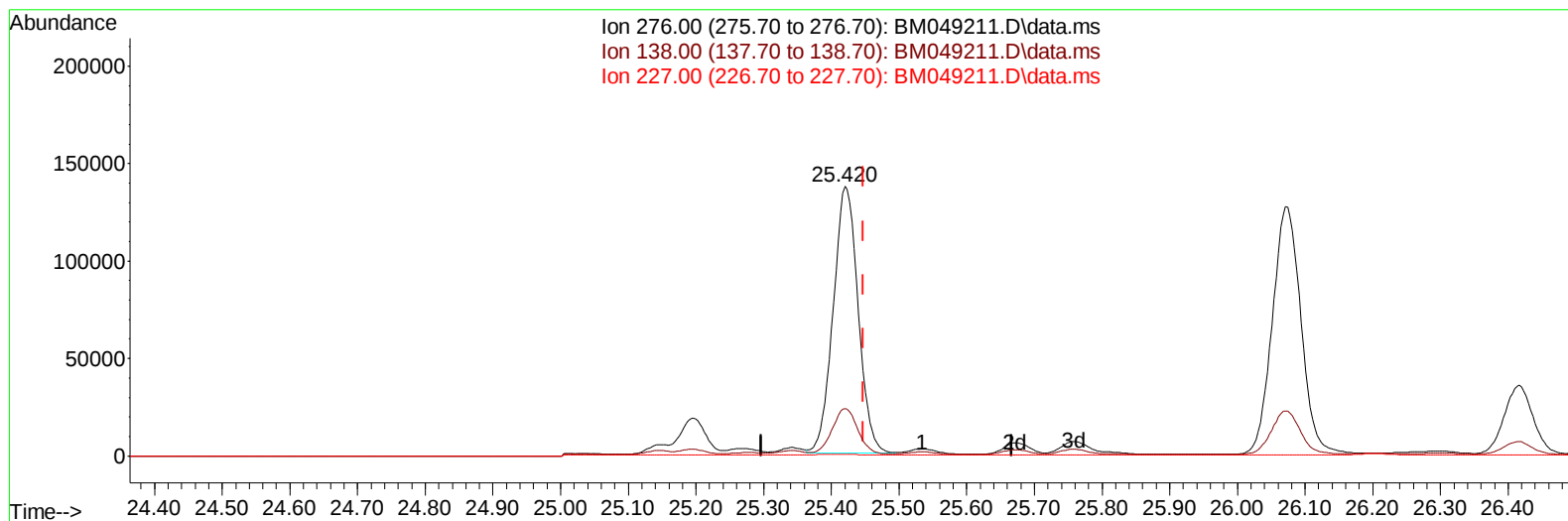
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049211.D\data.ms

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

25.420min (-0.027) 2.95 ng/u1 m

response 349007

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	1.07#
227.00	0.20	0.03#
0.00	0.00	0.00

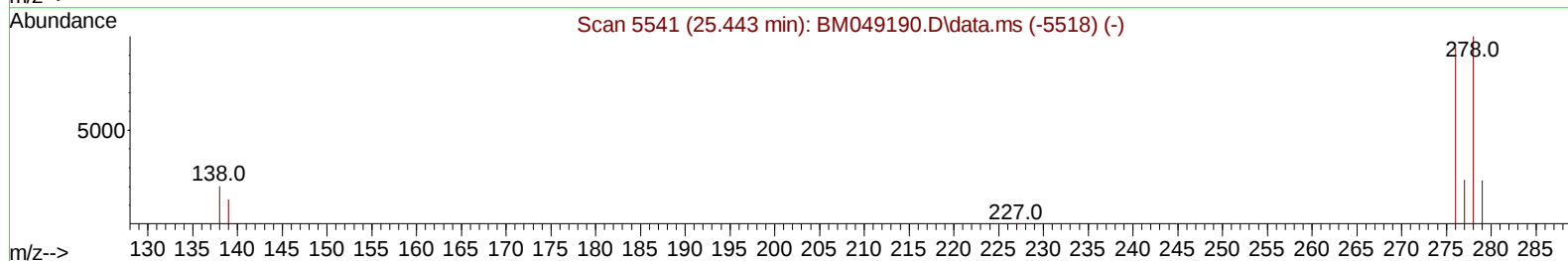
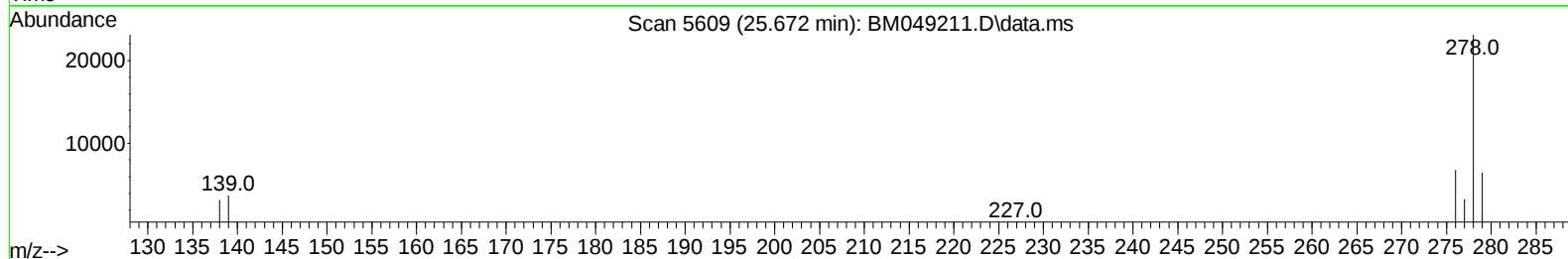
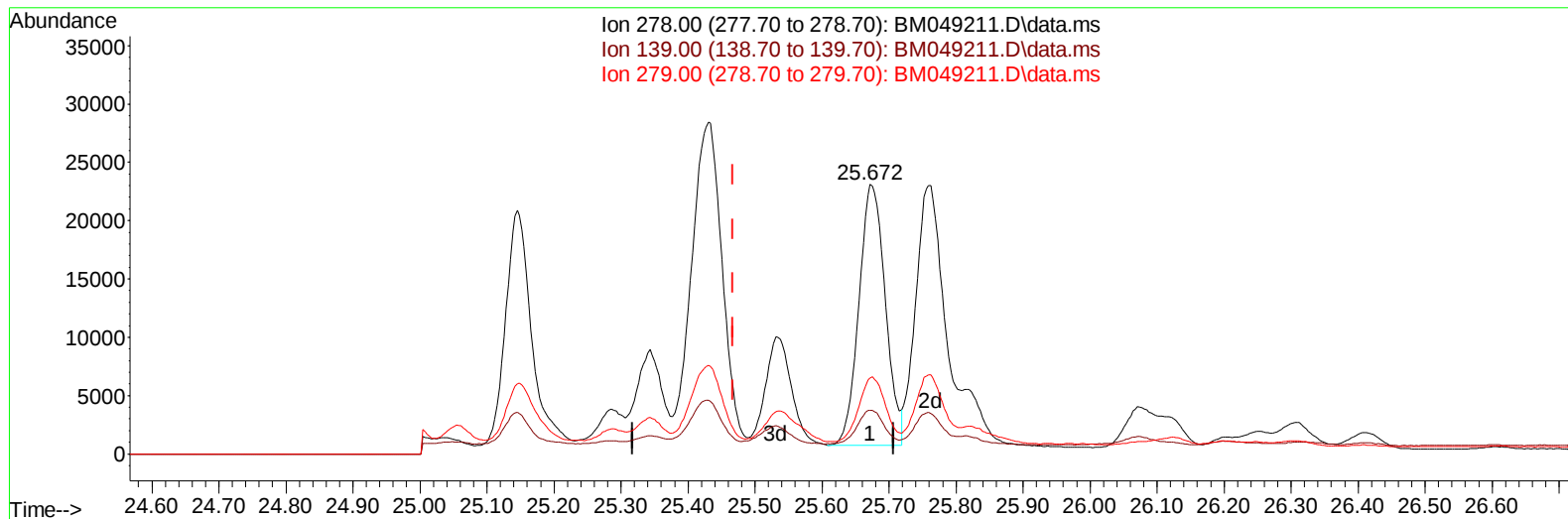
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

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TIC: BM049211.D\data.ms

(28) Dibenzo(a,h)anthracene

25.672min (+ 0.205) 0.66 ng/u1

response 61082

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	16.26
279.00	26.90	28.30
0.00	0.00	0.00

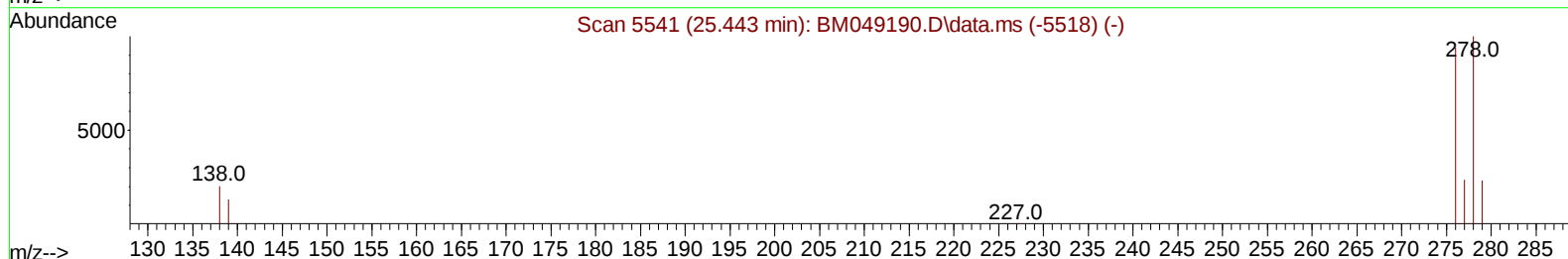
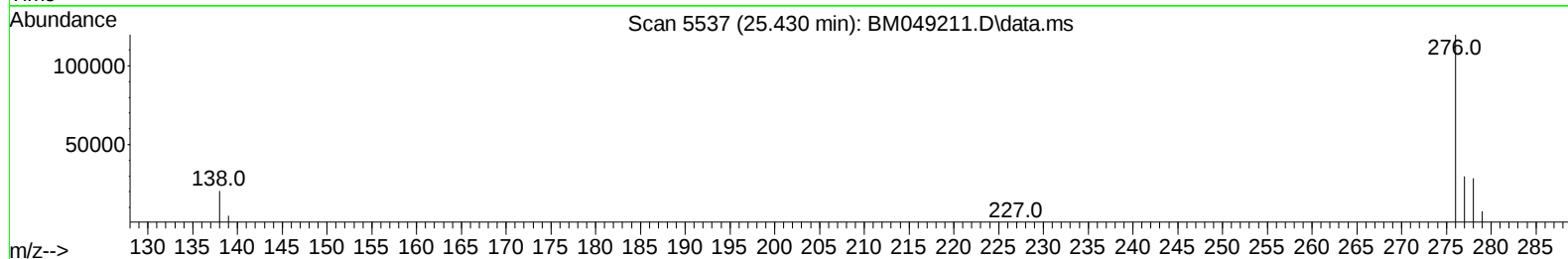
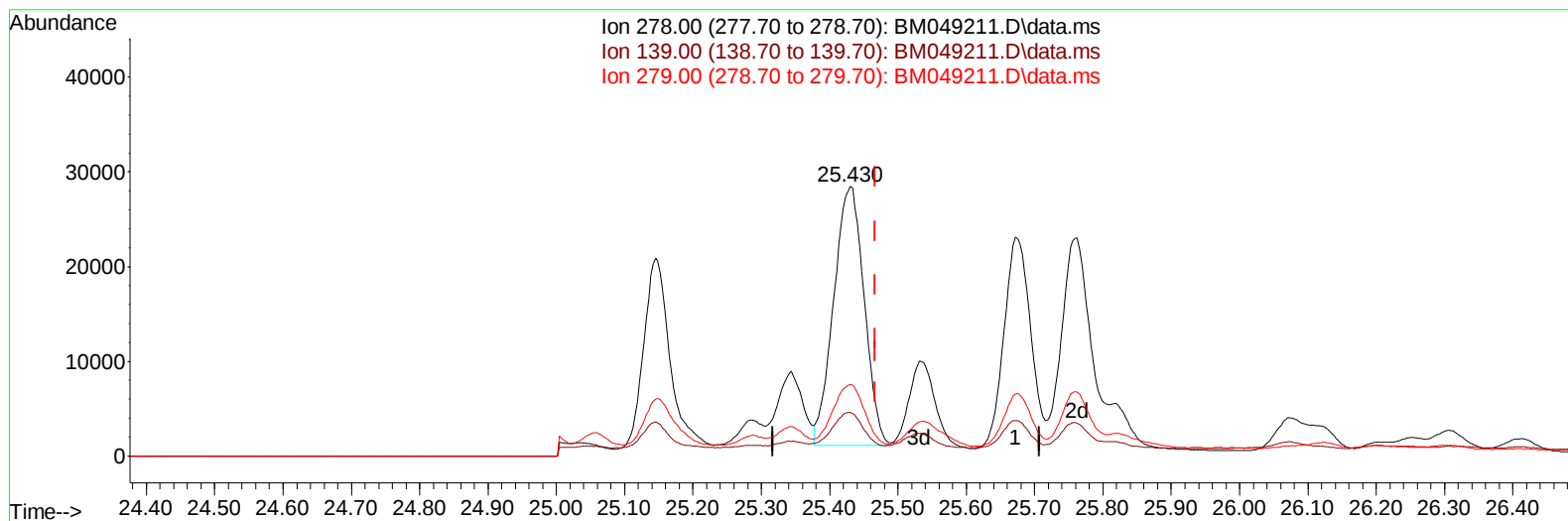
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 2024
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TIC: BM049211.D\data.ms

(28) Dibenzo(a,h)anthracene

25.430min (-0.037) 0.92 ng/ul m

response 84624

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	16.14
279.00	26.90	26.62
0.00	0.00	0.00

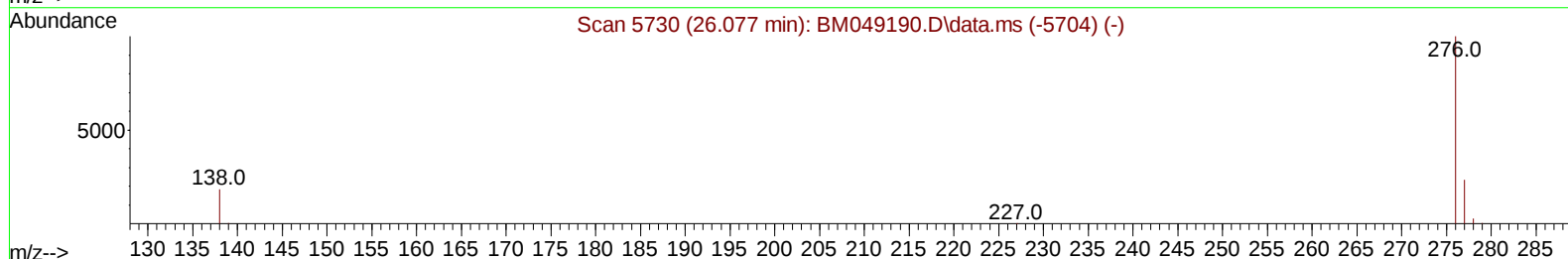
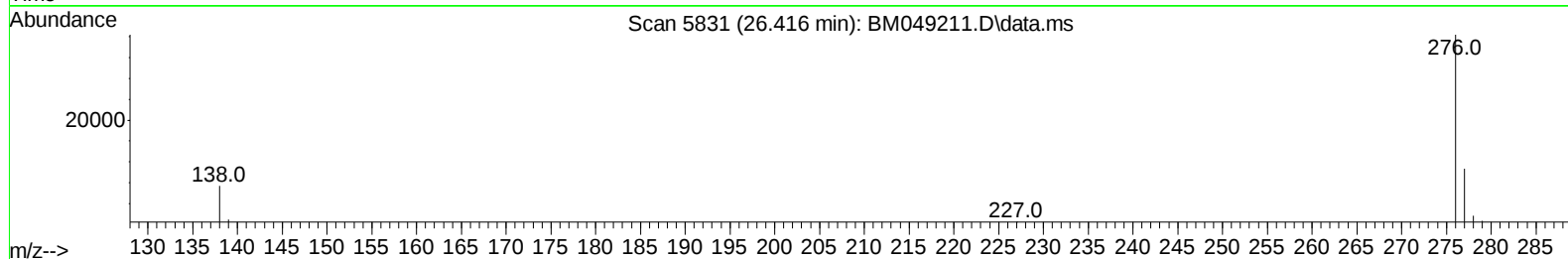
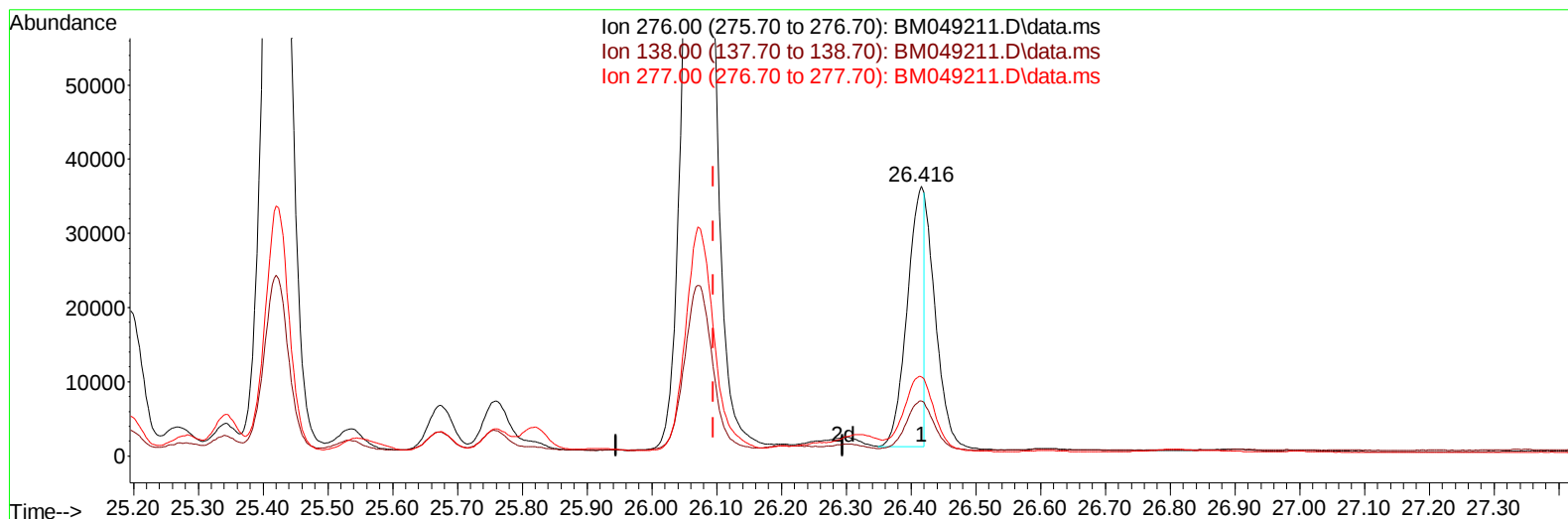
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Quant Time: Dec 25 21:52:10 2024
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TIC: BM049211.D\data.ms

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

26.416min (+ 0.322) 0.67 ng/u1

response 63272

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	20.45
277.00	24.90	29.42
0.00	0.00	0.00

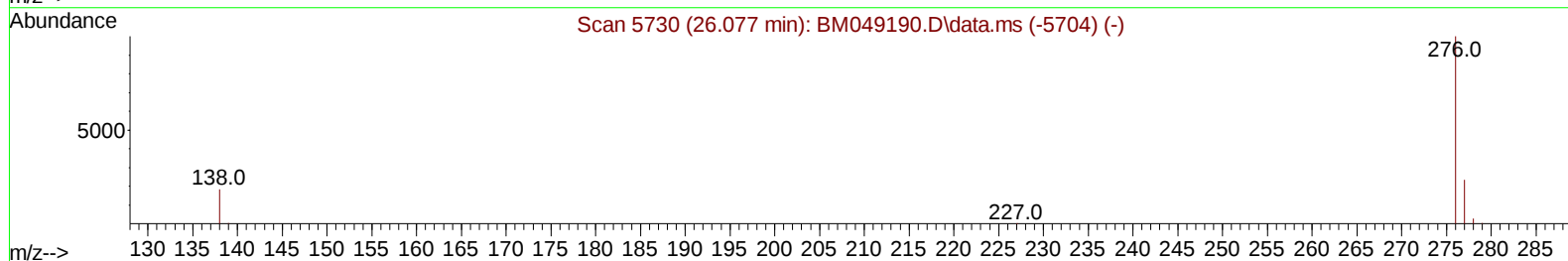
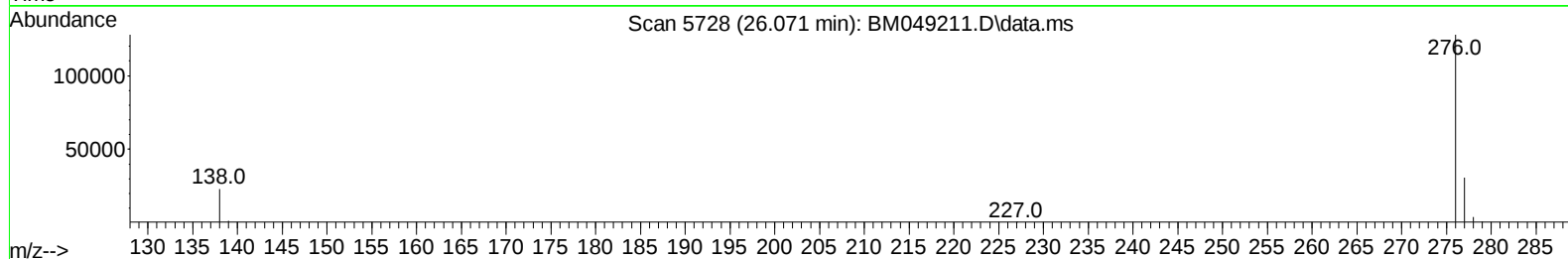
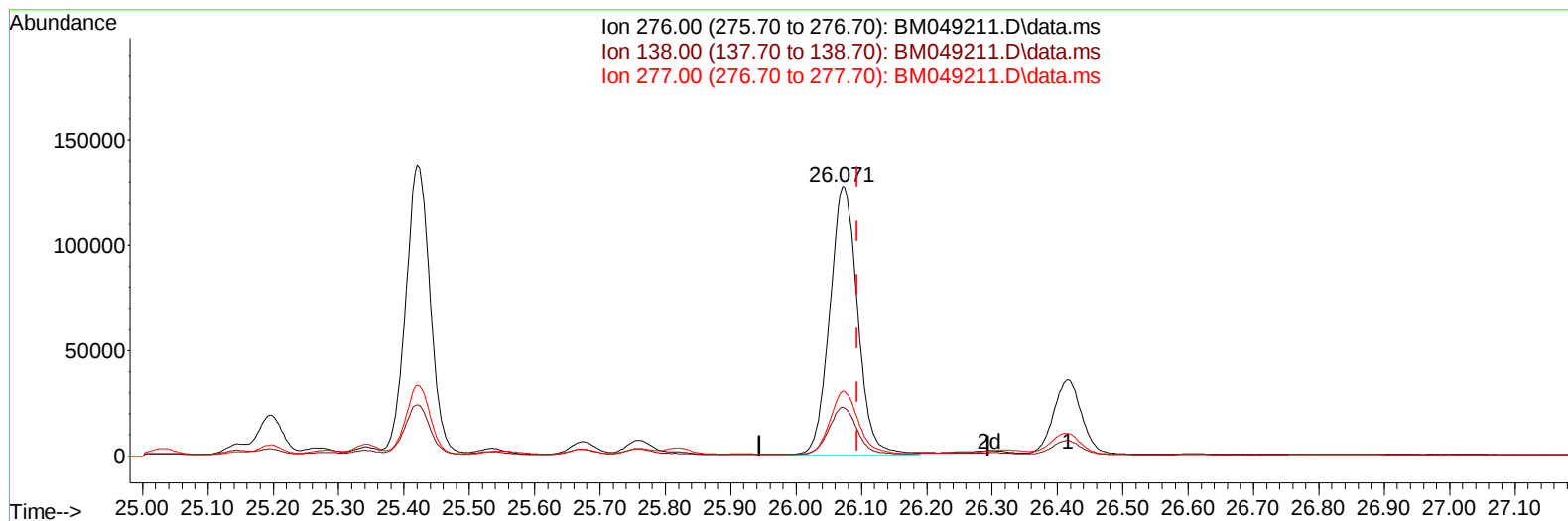
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049211.D
Acq On : 25 Dec 2024 07:56
Operator : RC/JU
Sample : P5333-17
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2919

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:10 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 : Wed Dec 18 15:33:13 2024
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TIC: BM049211.D\data.ms

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

26.071min (-0.023) 3.99 ng/u1 m

response 379244

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.02
277.00	24.90	24.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049211.D
 Acq On : 25 Dec 2024 07:56
 Operator : RC/JU
 Sample : P5333-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2919

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/26/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 21:52:10 2024
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 QLast Update : Wed Dec 18 15:33:13 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7328	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.308	136	23030	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.182	164	13054	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.933	188	30049m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.134	240	24465m	0.400	ng/ul	-0.01
23) Perylene-d12	23.288	264	27269m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	31142	3.685	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.903	152	7000	0.226	ng/ul	-0.02
18) Fluoranthene-d10	18.968	212	13038m	0.188	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.358	128	20058	0.348	ng/ul	99
7) 2-Methylnaphthalene	11.980	142	16807	0.460	ng/ul	99
8) 1-Methylnaphthalene	12.200	142	7335	0.196	ng/ul	99
10) Acenaphthylene	13.899	152	4574	0.085	ng/ul#	85
11) Acenaphthene	14.246	153	4737	0.120	ng/ul	98
12) Fluorene	15.236	166	3329	0.075	ng/ul#	91
15) Phenanthrene	16.975	178	78864m	1.005	ng/ul	
16) Anthracene	17.064	178	15696m	0.218	ng/ul	
19) Fluoranthene	18.996	202	280124m	3.167	ng/ul	
20) Pyrene	19.363	202	300938m	3.190	ng/ul	
21) Benzo(a)anthracene	21.120	228	276203m	3.246	ng/ul	
22) Chrysene	21.169	228	336425m	3.684	ng/ul	
24) Benzo(b)fluoranthene	22.651	252	616001m	7.071	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	203174m	2.125	ng/ul	
26) Benzo(a)pyrene	23.195	252	459501m	5.500	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.420	276	349007m	2.952	ng/ul	
28) Dibenzo(a,h)anthracene	25.430	278	84624m	0.921	ng/ul	
29) Benzo(g,h,i)perylene	26.071	276	379244m	3.988	ng/ul	

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

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