

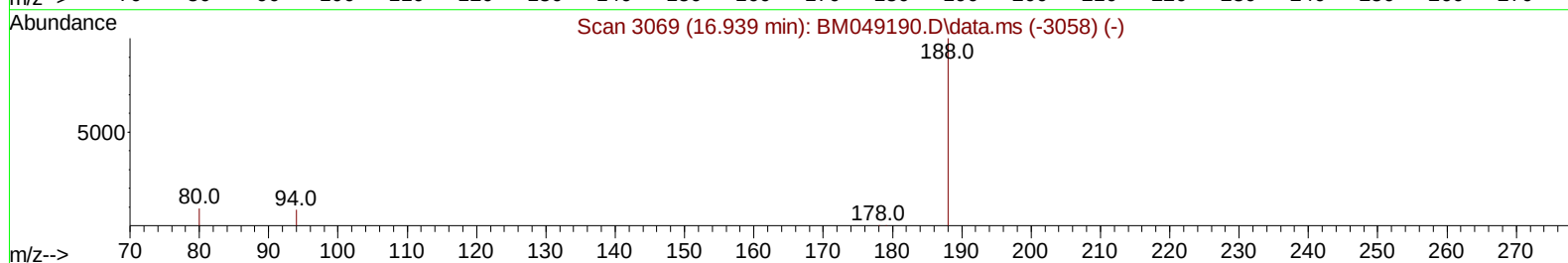
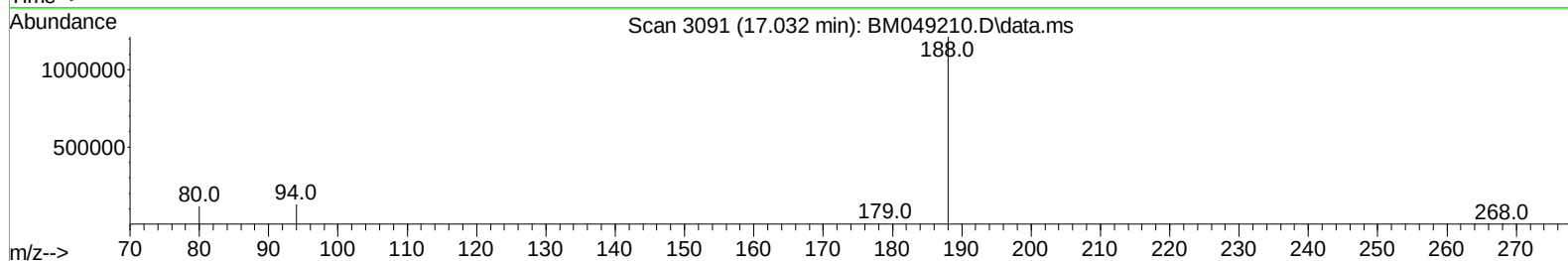
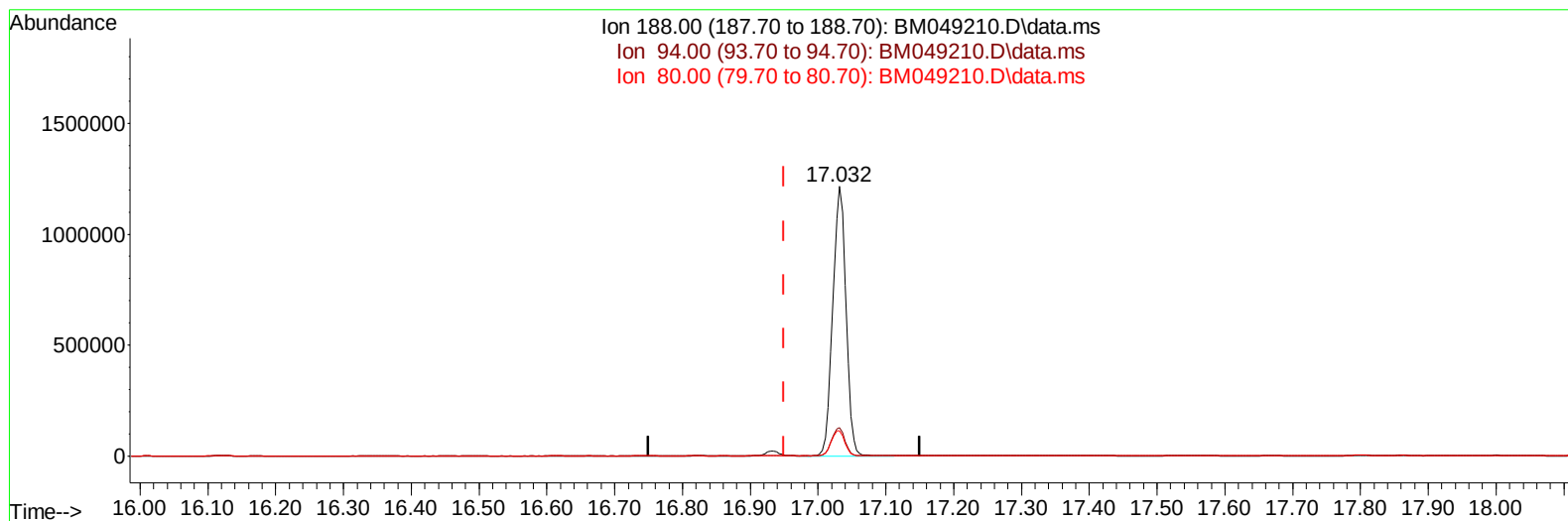
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(13) Phenanthrene-d10 (I)

17.032min (+ 0.082) 0.40 ng/u1

response 1638512

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.42
80.00	10.70	9.44
0.00	0.00	0.00

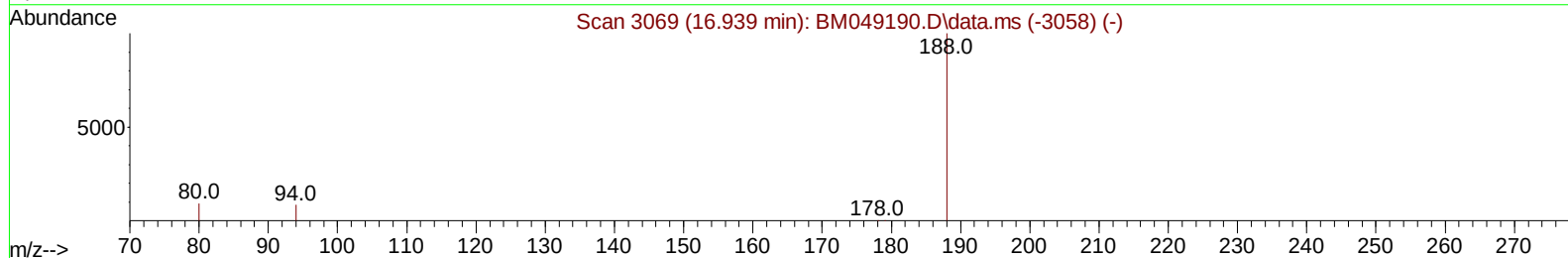
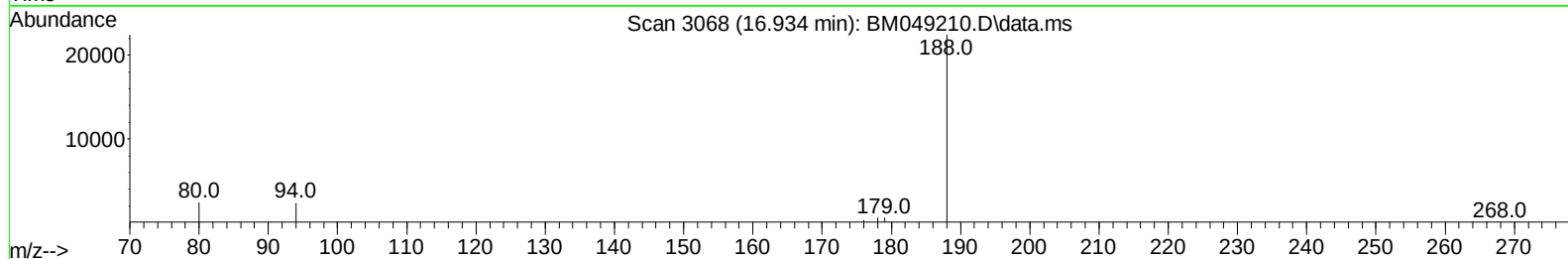
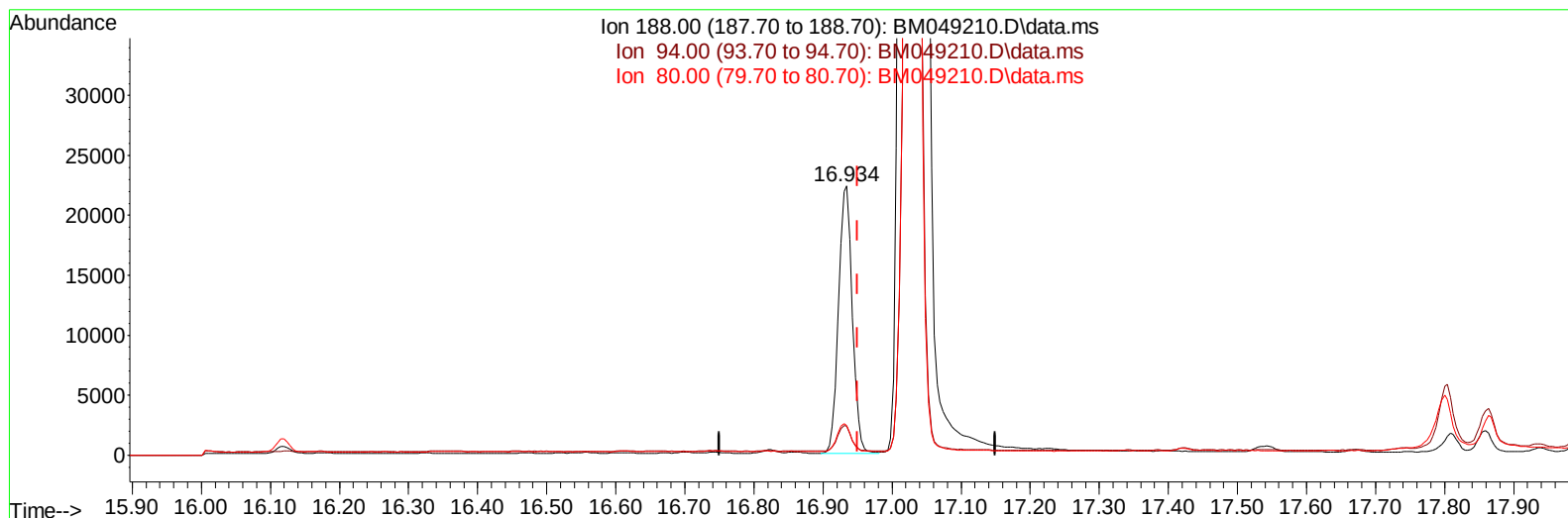
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.015) 0.40 ng/ul m

response 30852

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.63
80.00	10.70	10.88
0.00	0.00	0.00

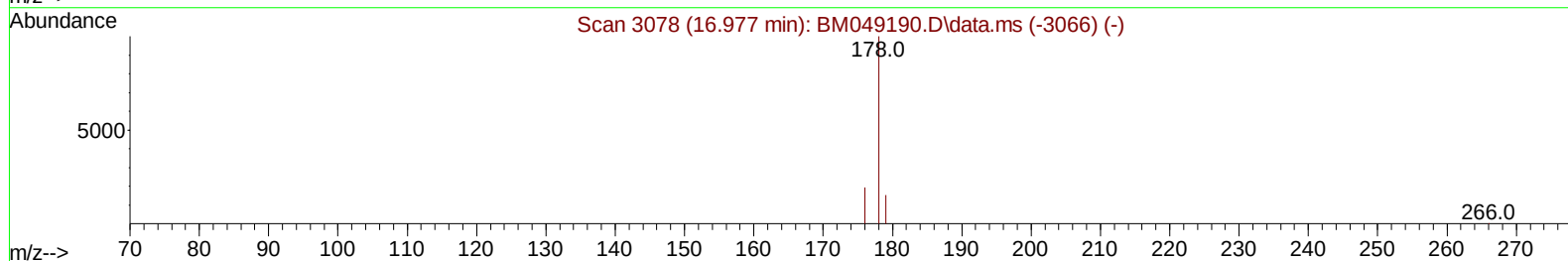
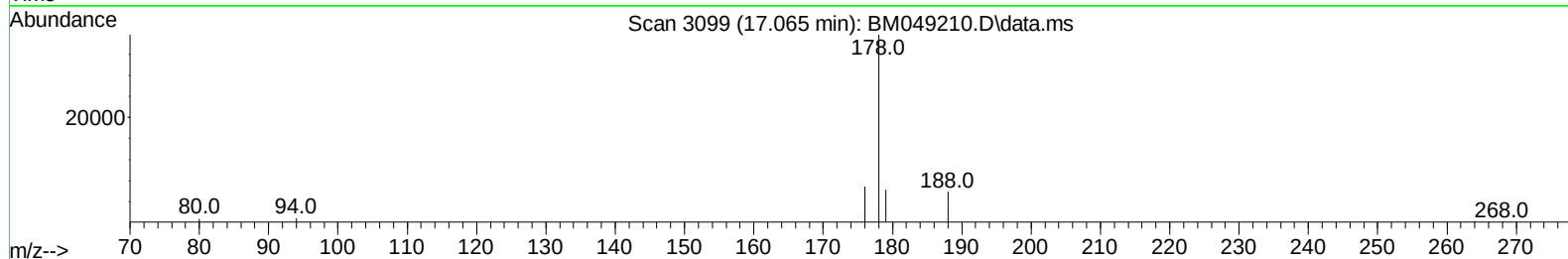
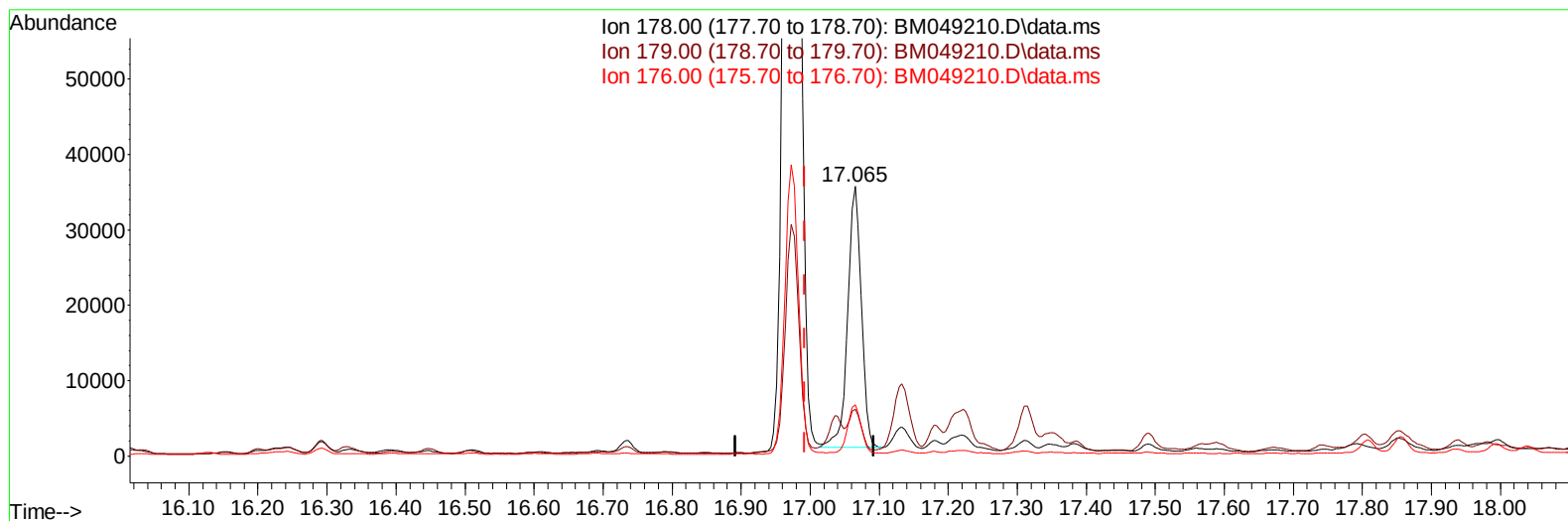
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(15) Phenanthrene

17.065min (+ 0.073) 0.60 ng/u1

response 47988

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.46
176.00	20.20	19.07
0.00	0.00	0.00

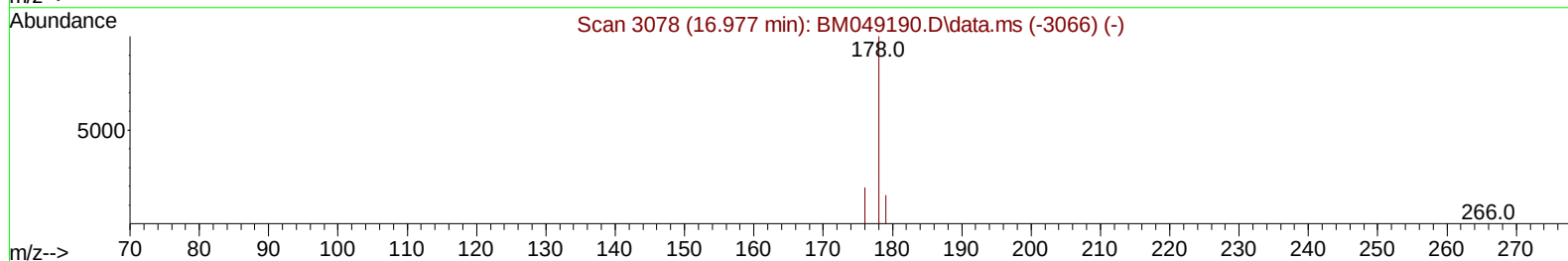
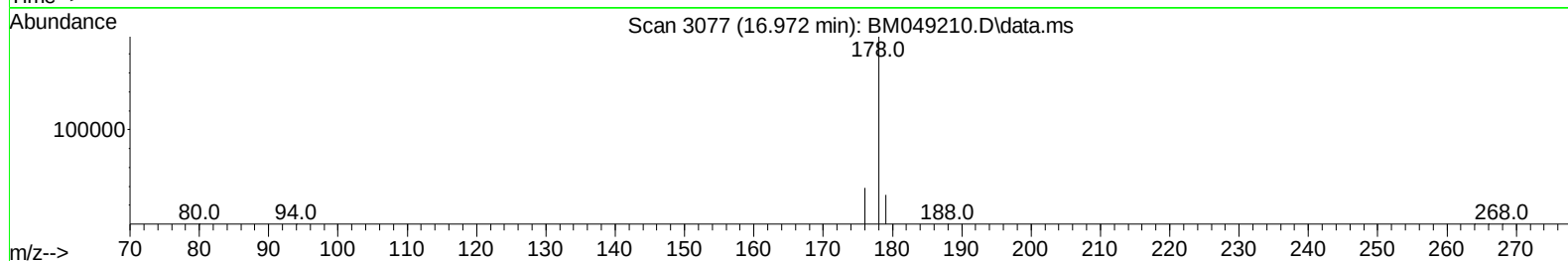
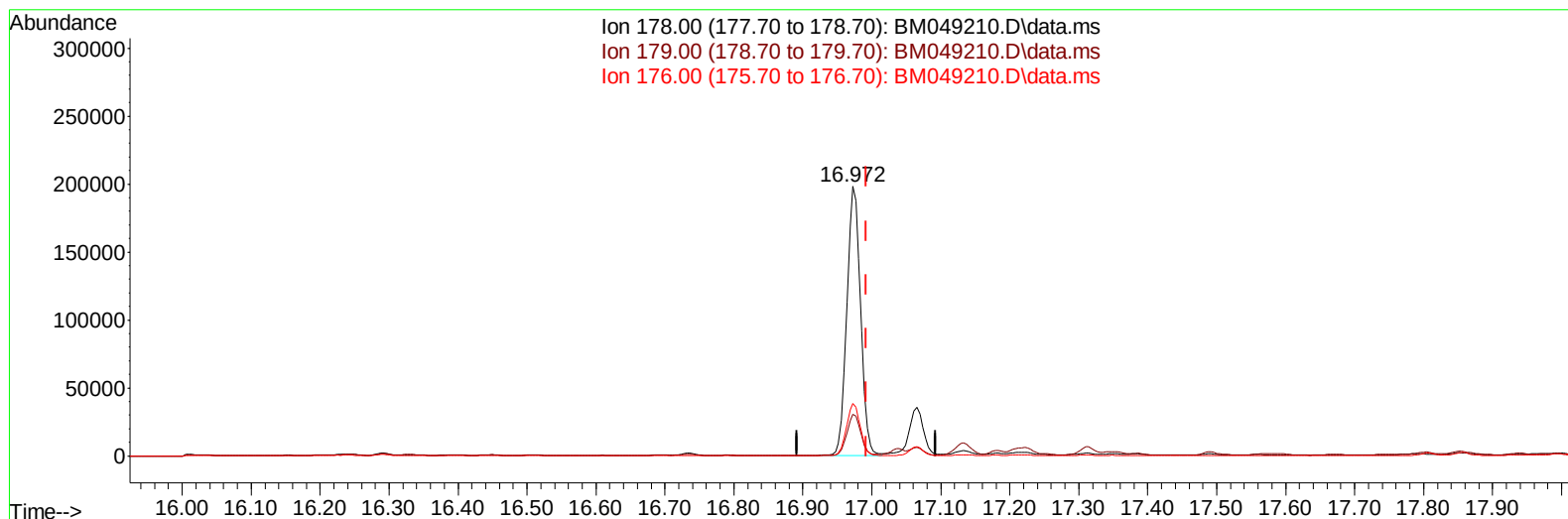
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(15) Phenanthrene

16.972min (-0.020) 3.41 ng/ul m

response 274434

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.51
176.00	20.20	19.51
0.00	0.00	0.00

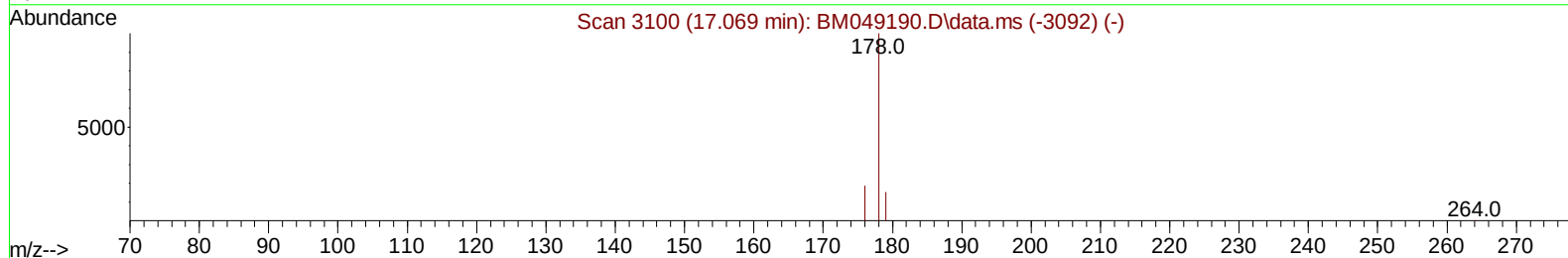
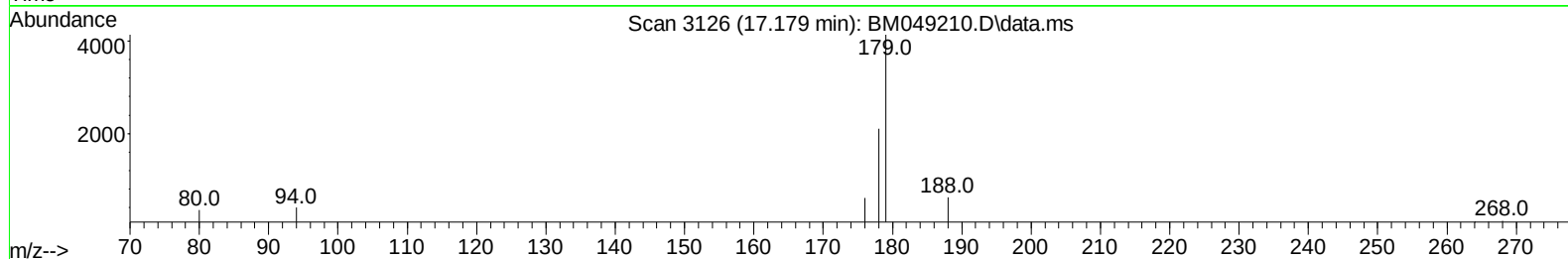
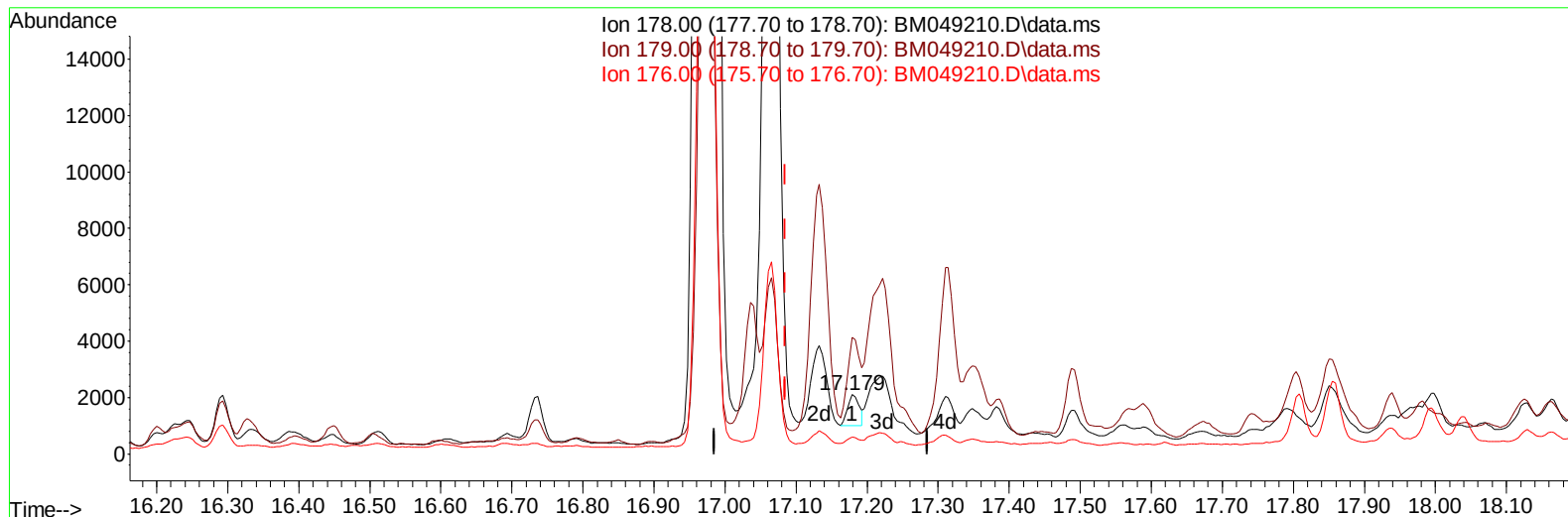
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(16) Anthracene

17.179min (+ 0.094) 0.02 ng/u1

response 1225

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	196.86#
176.00	19.10	28.75#
0.00	0.00	0.00

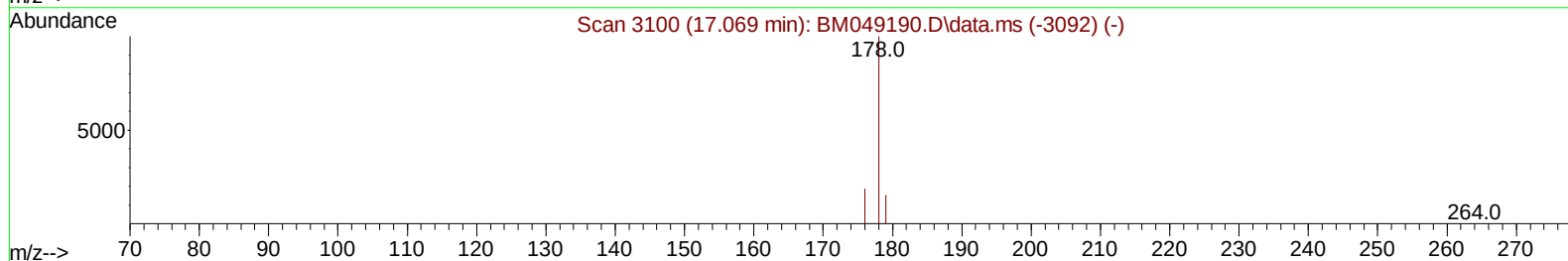
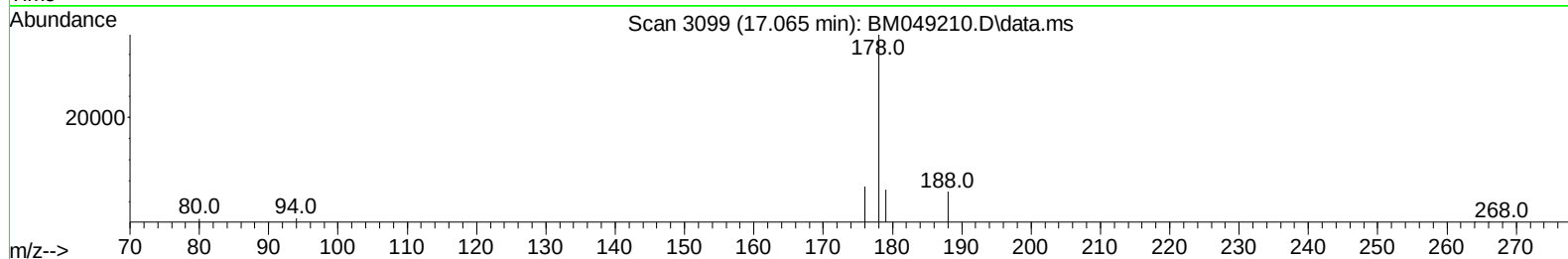
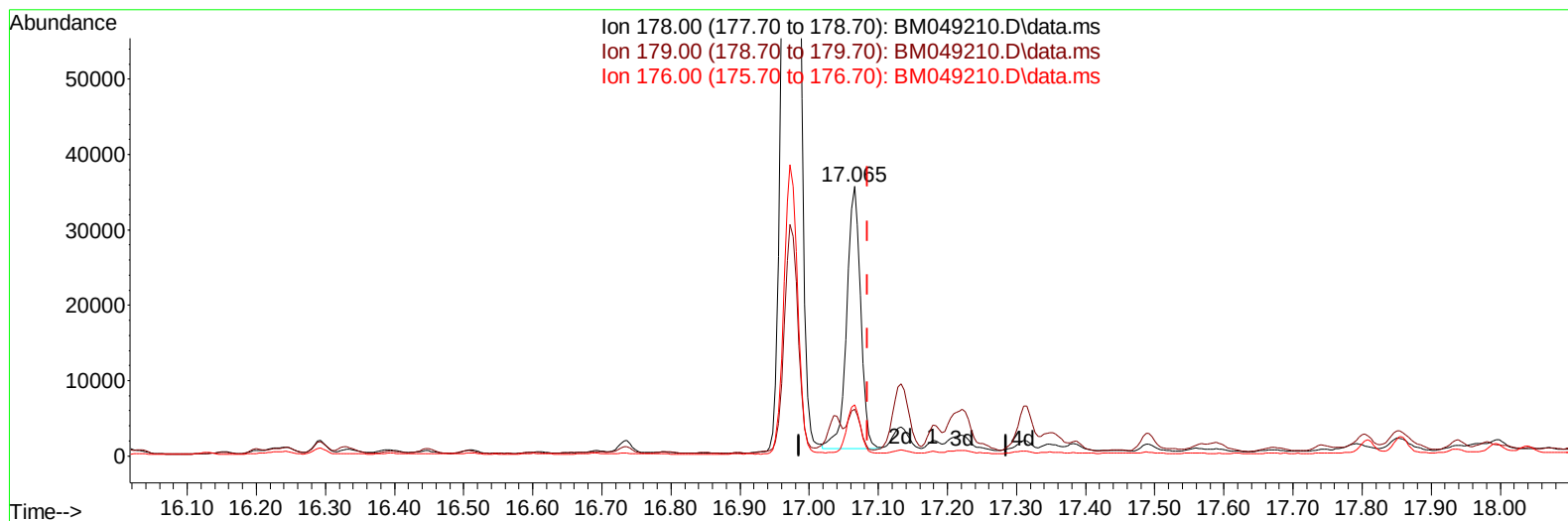
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(16) Anthracene

17.065min (-0.020) 0.66 ng/ul m

response 48686

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	17.46
176.00	19.10	19.07
0.00	0.00	0.00

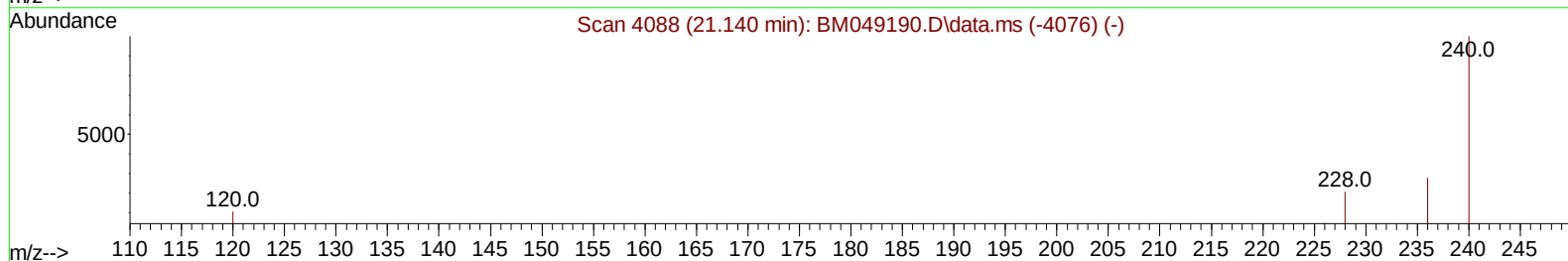
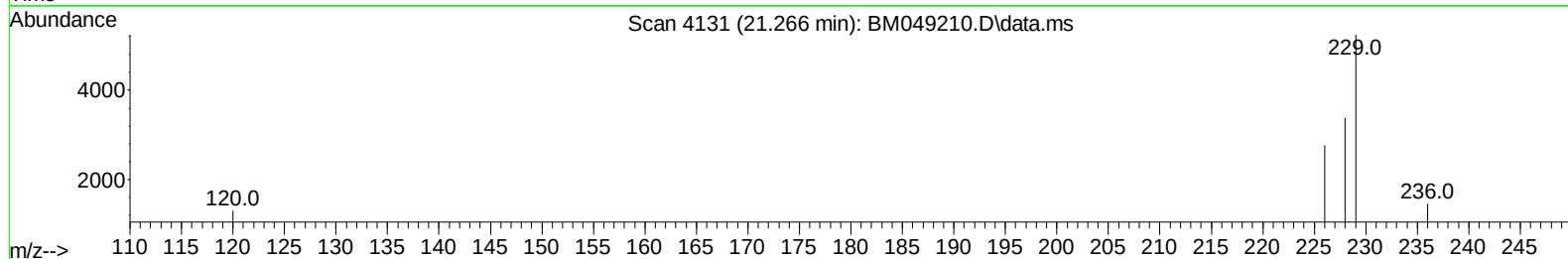
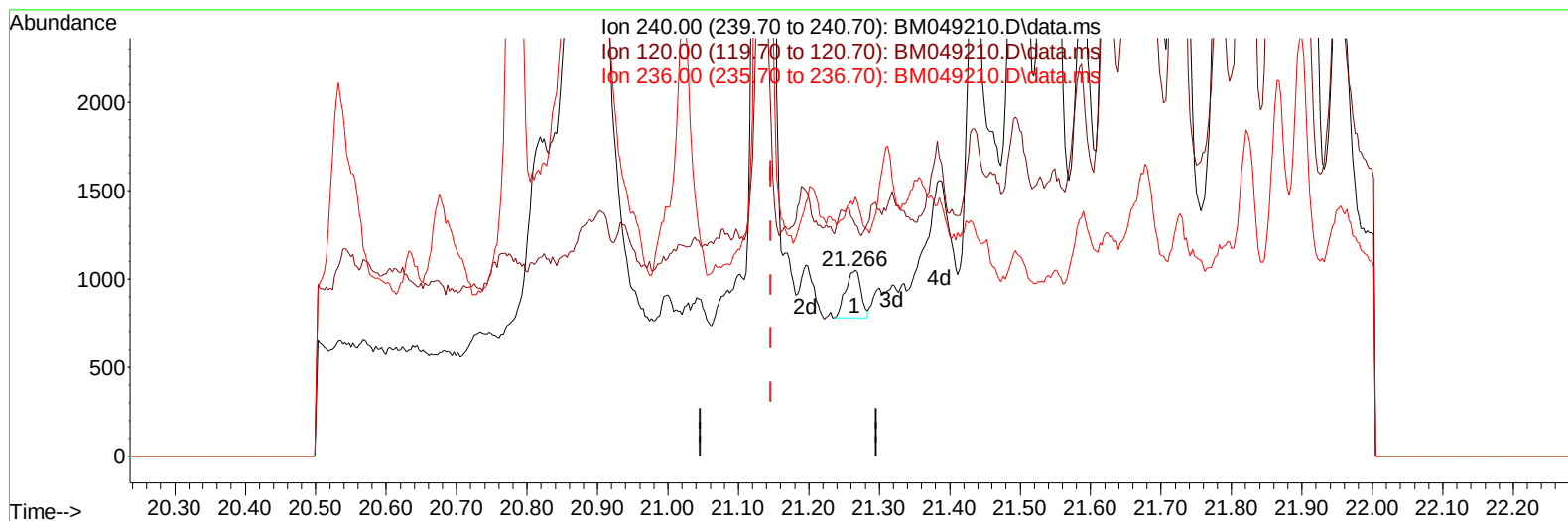
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(17) Chrysene-d12

21.266min (+ 0.119) 0.40 ng/u1

response 411

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	124.59#
236.00	29.80	139.56#
0.00	0.00	0.00

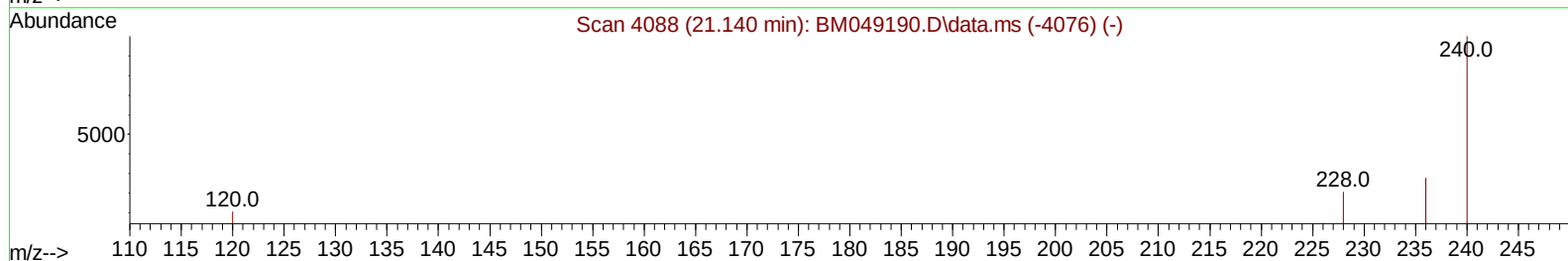
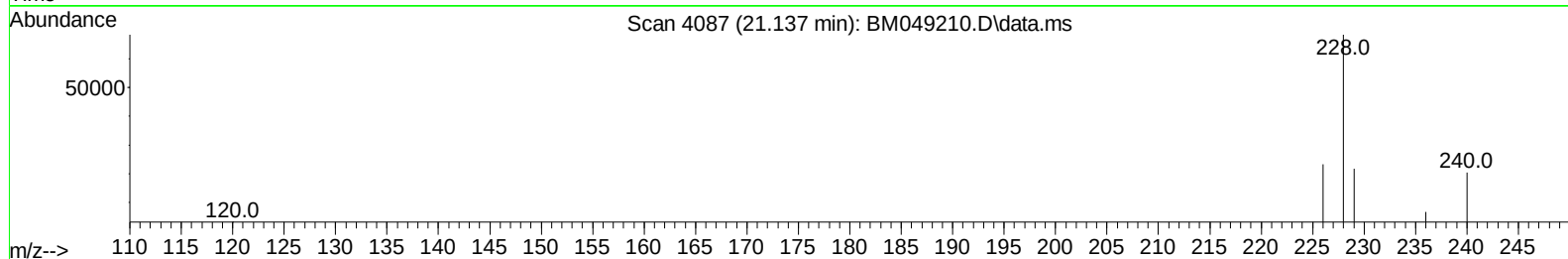
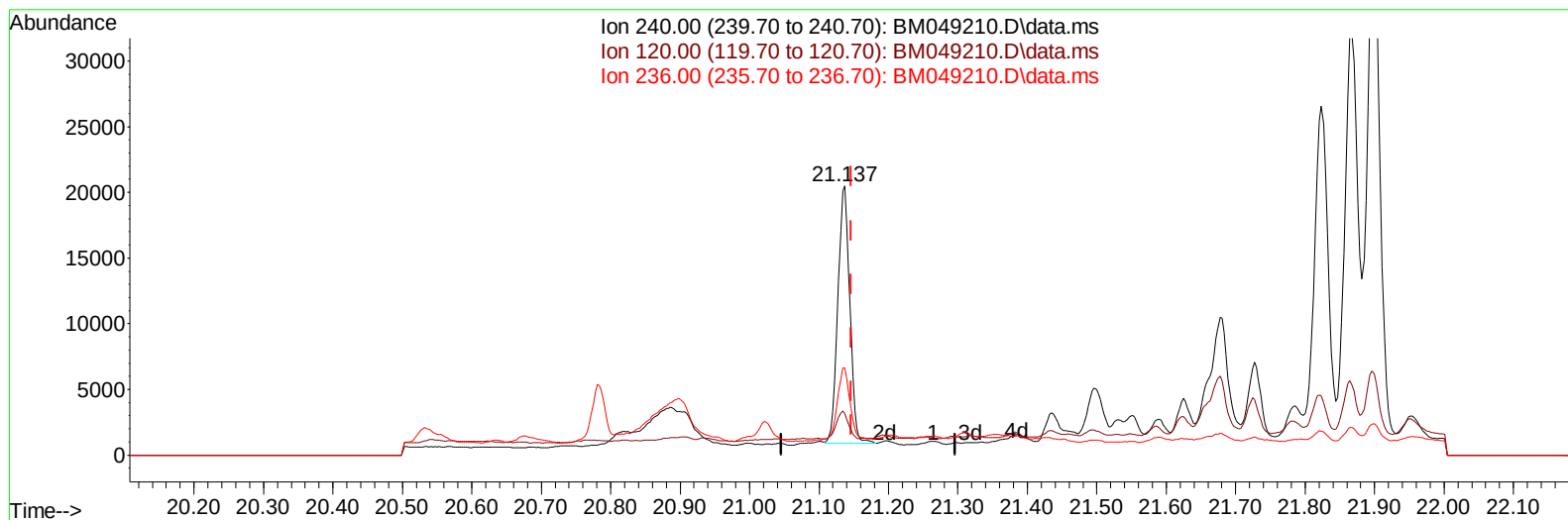
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(17) Chrysene-d12

21.137min (-0.009) 0.40 ng/ul m

response 23429

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	15.55
236.00	29.80	32.53
0.00	0.00	0.00

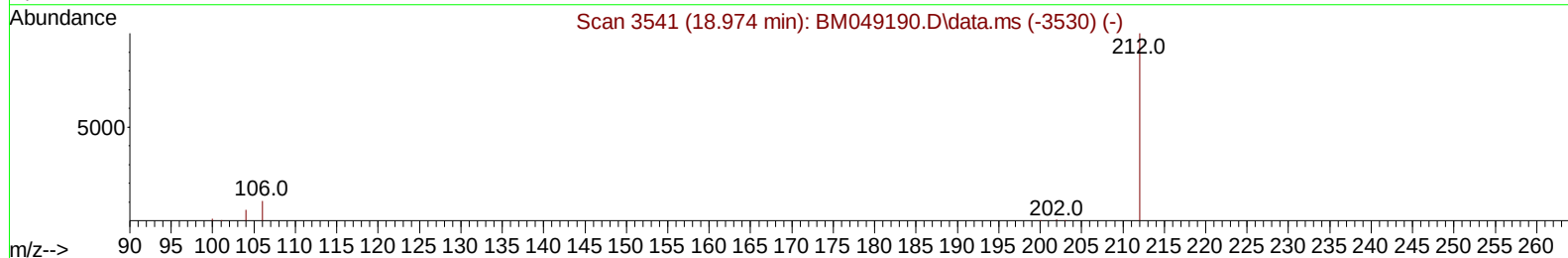
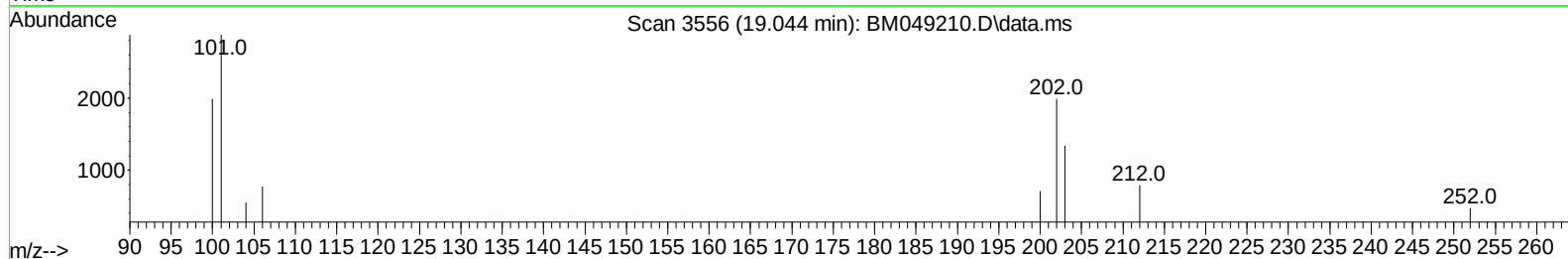
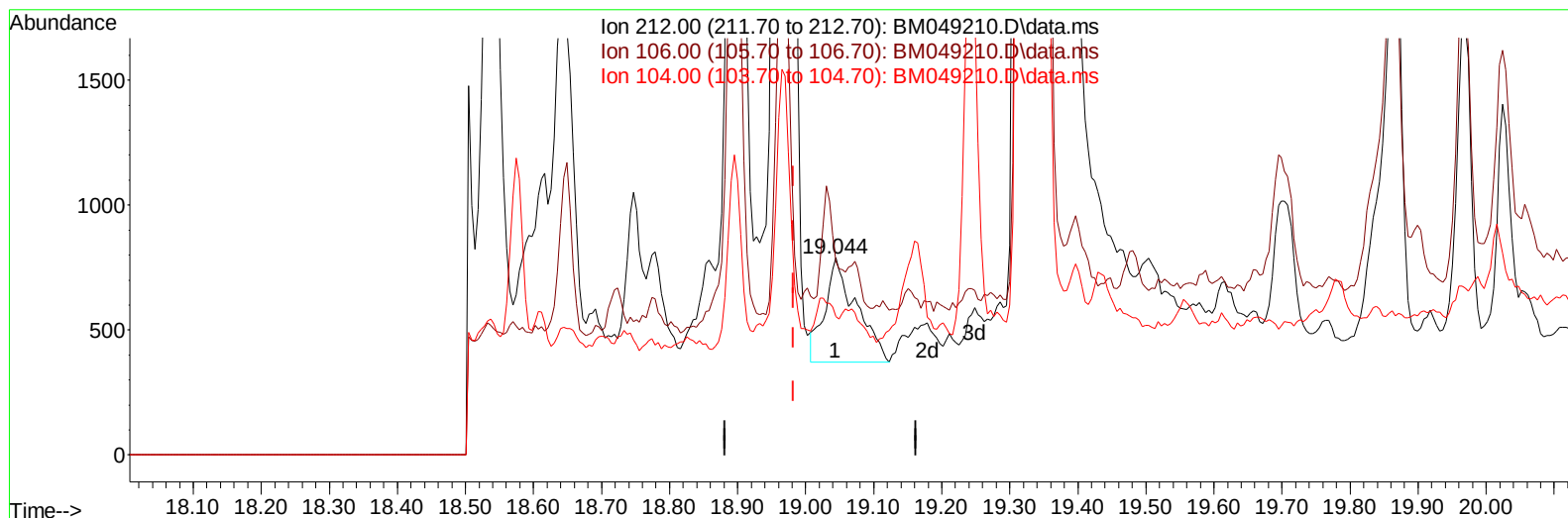
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.044min (+ 0.062) 0.02 ng/u1

response 1353

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	0.00#
104.00	6.50	19.29#
0.00	0.00	0.00

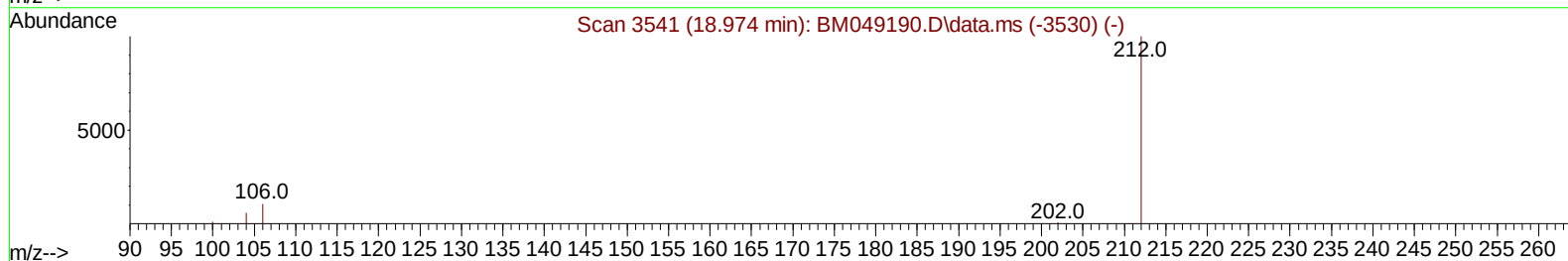
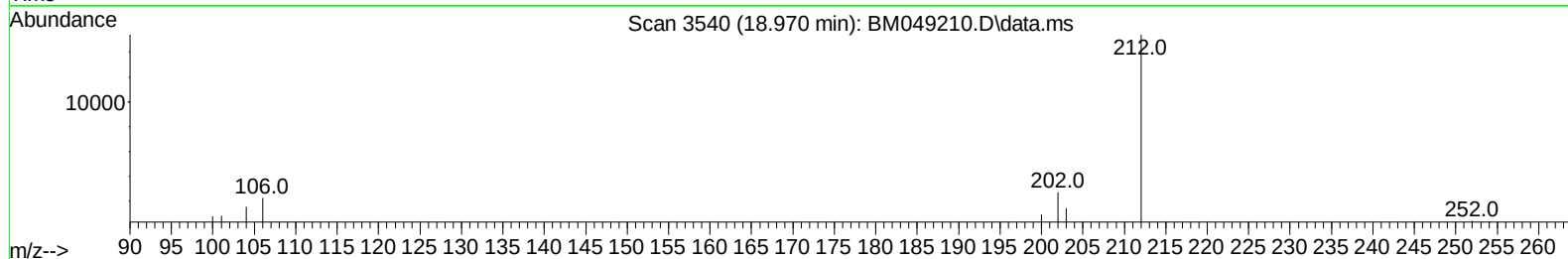
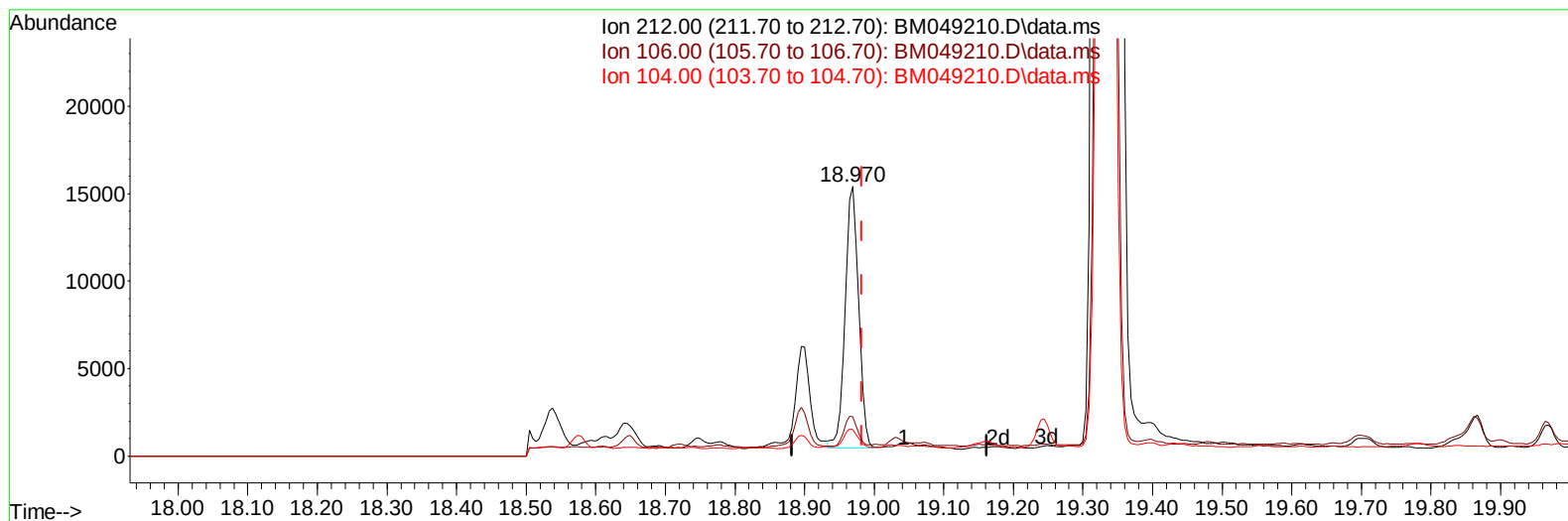
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.970min (-0.013) 0.30 ng/ul m

response 19945

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	0.00#
104.00	6.50	1.31#
0.00	0.00	0.00

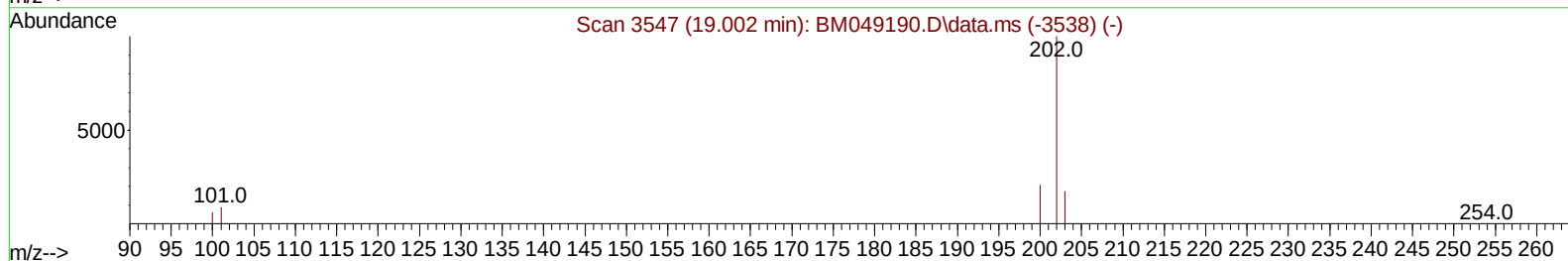
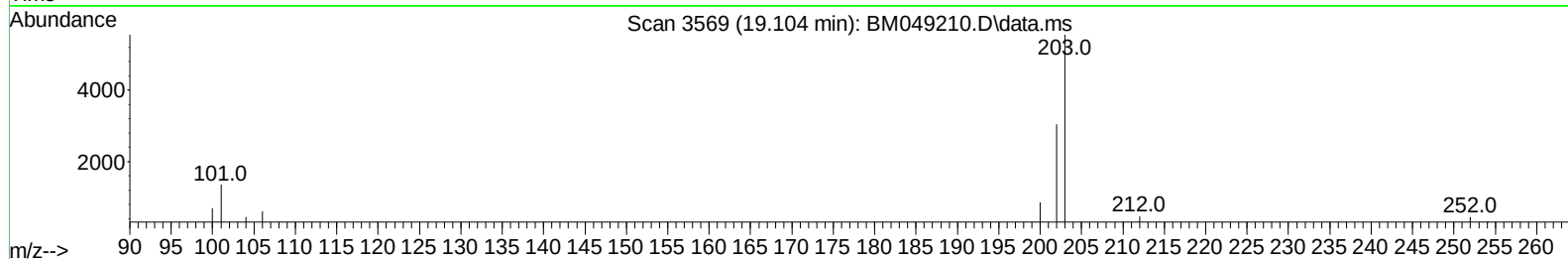
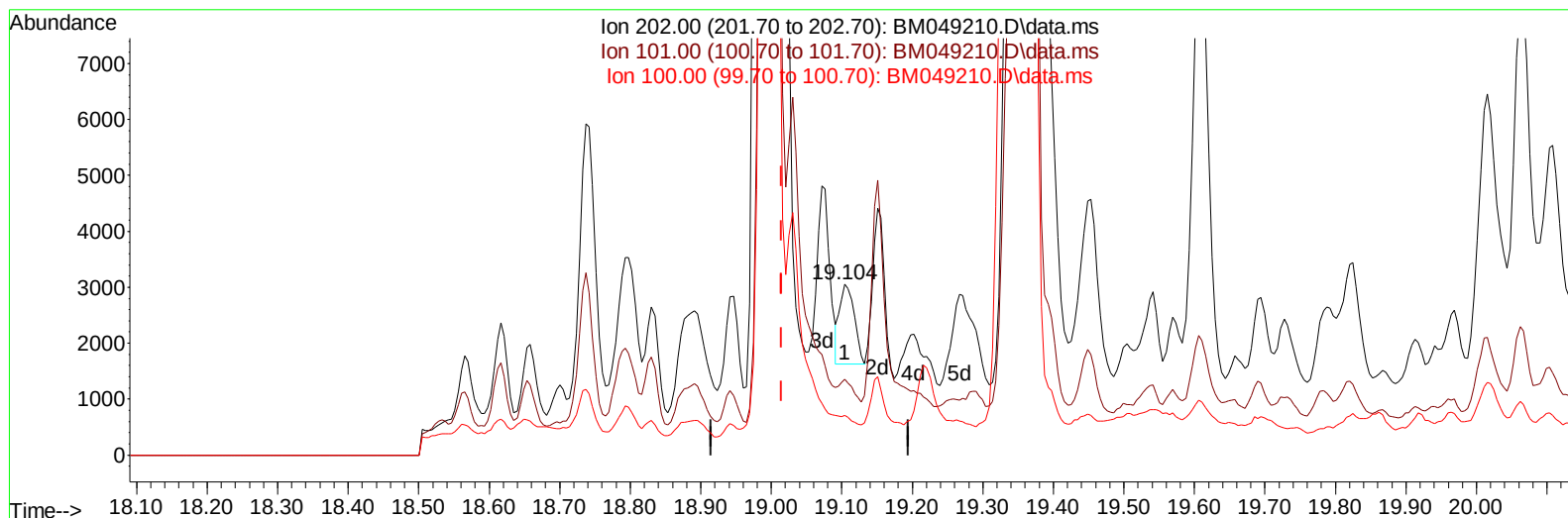
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(19) Fluoranthene (C)

19.104min (+ 0.090) 0.02 ng/u1

response 2071

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	44.31#
100.00	6.90	23.11#
0.00	0.00	0.00

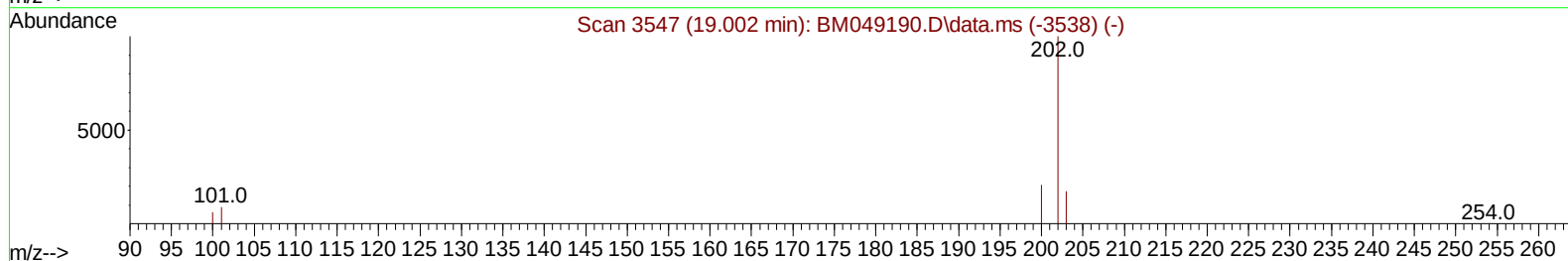
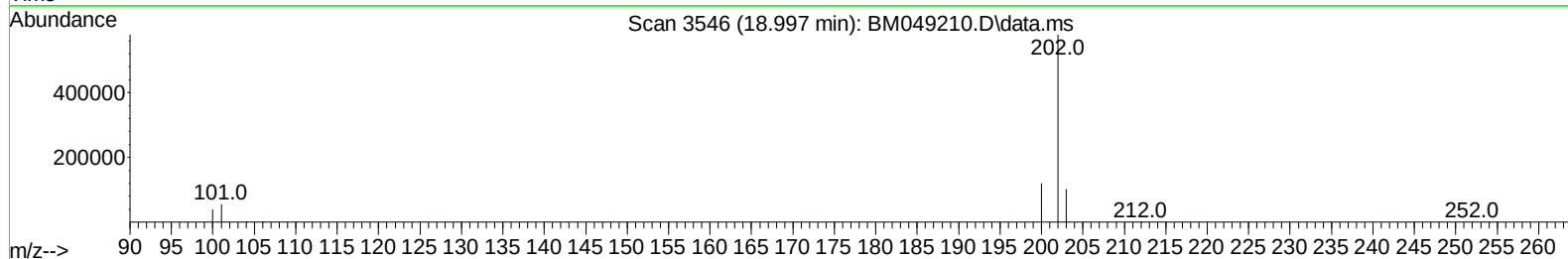
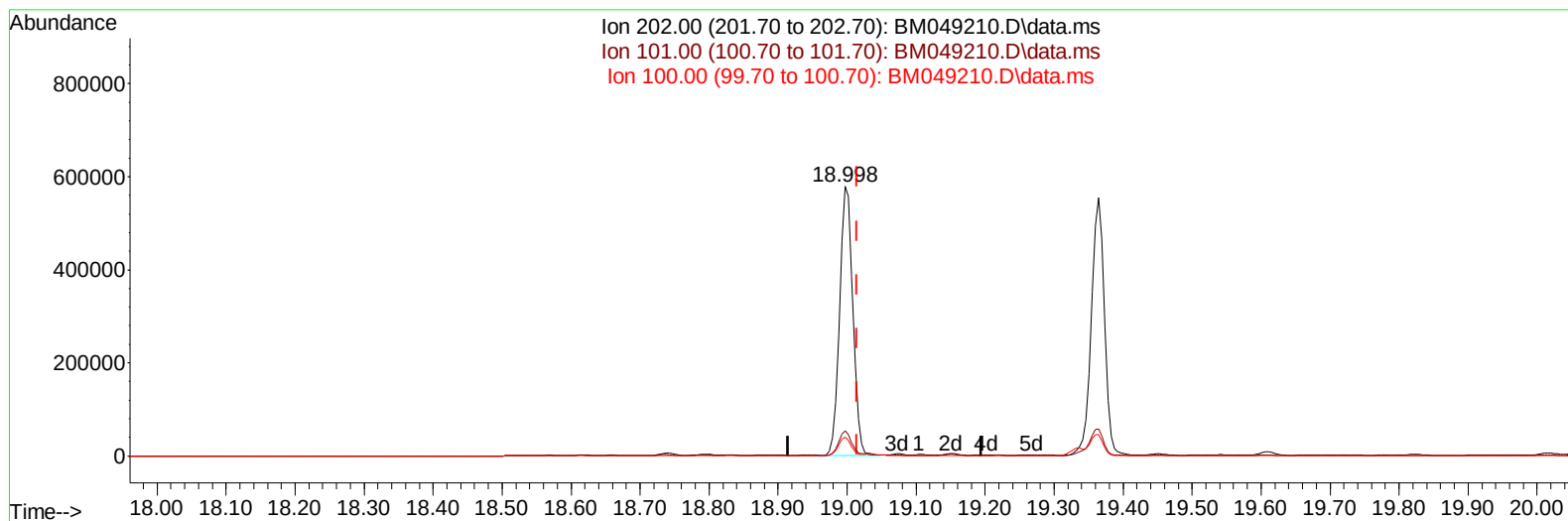
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(19) Fluoranthene (C)

18.997min (-0.017) 8.94 ng/ul m

response 757313

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	9.38
100.00	6.90	6.99
0.00	0.00	0.00

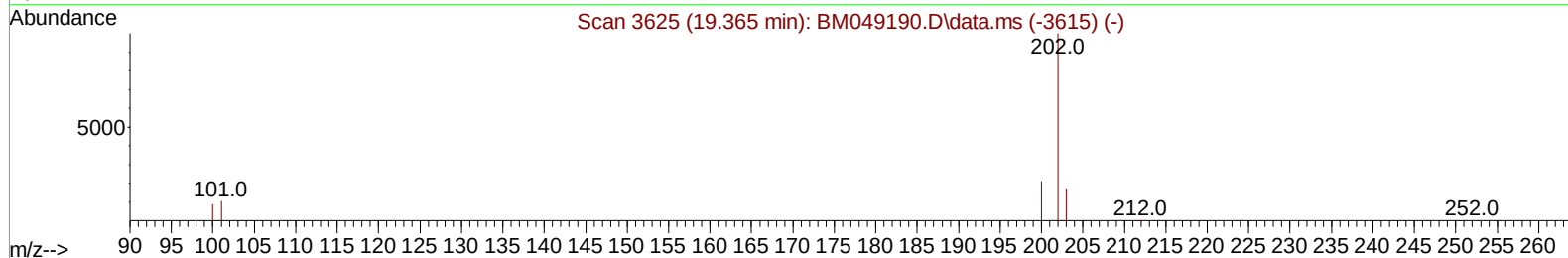
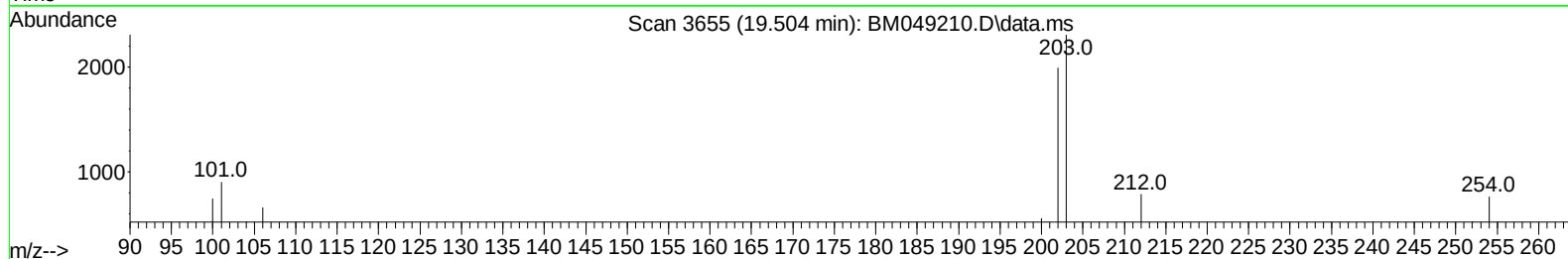
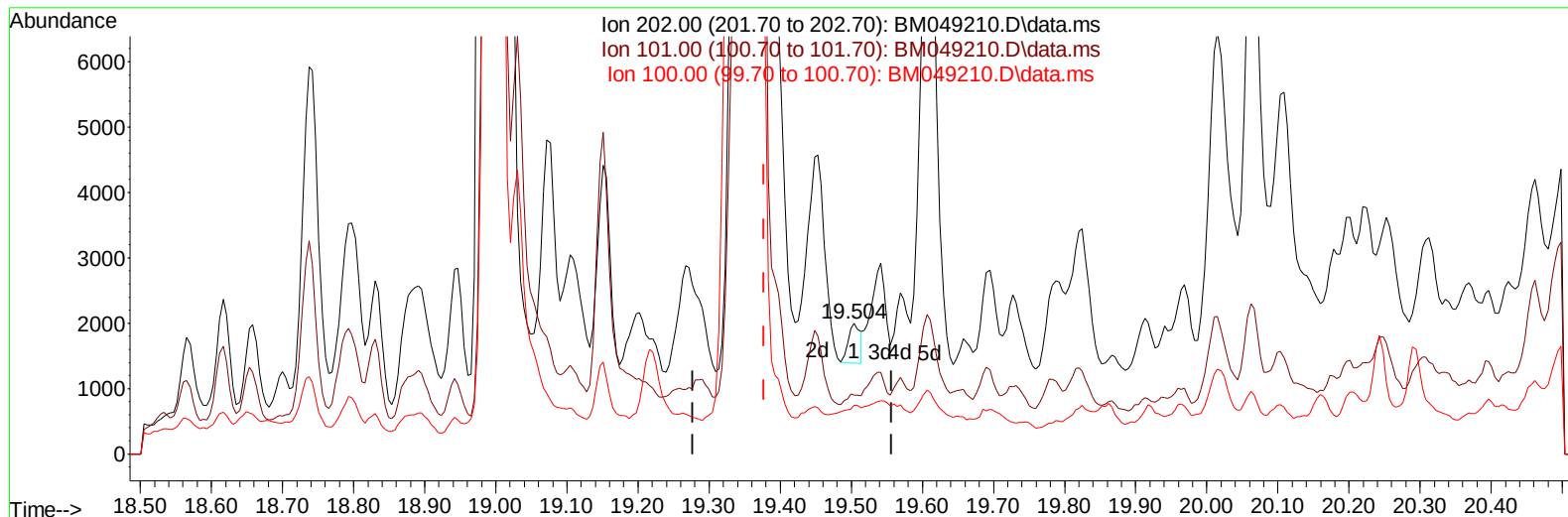
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(20) Pyrene

19.504min (+ 0.127) 0.01 ng/u1

response 715

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	45.36#
100.00	8.60	37.18#
0.00	0.00	0.00

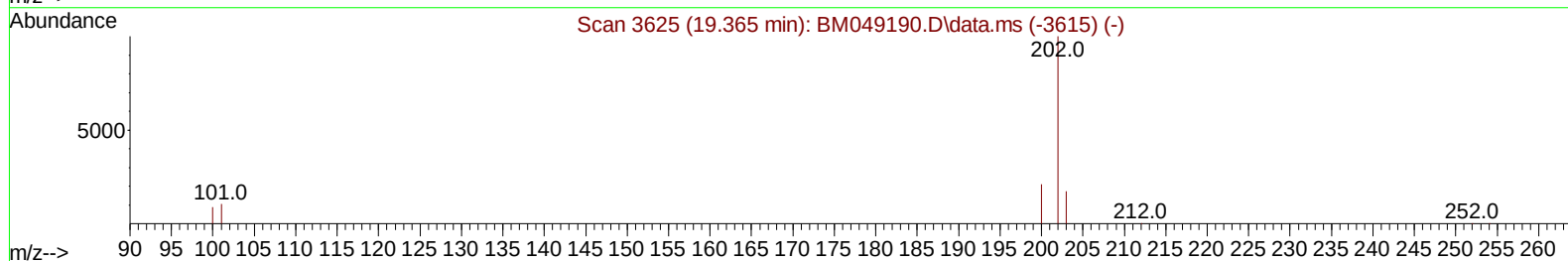
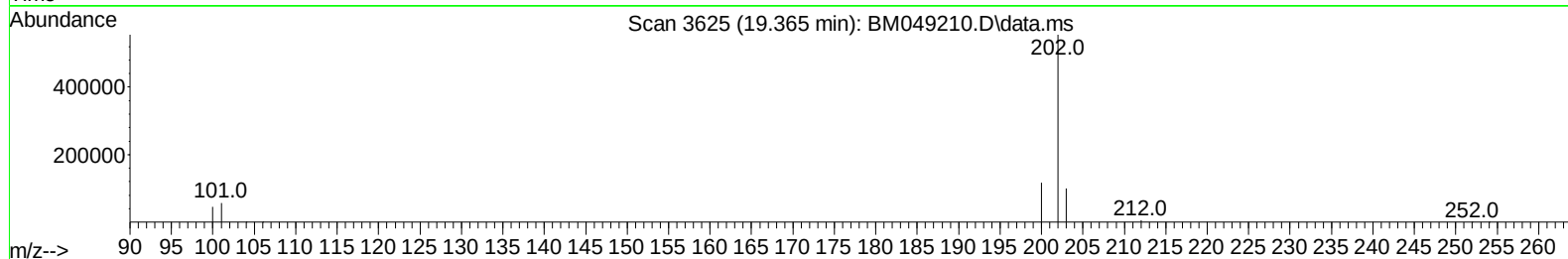
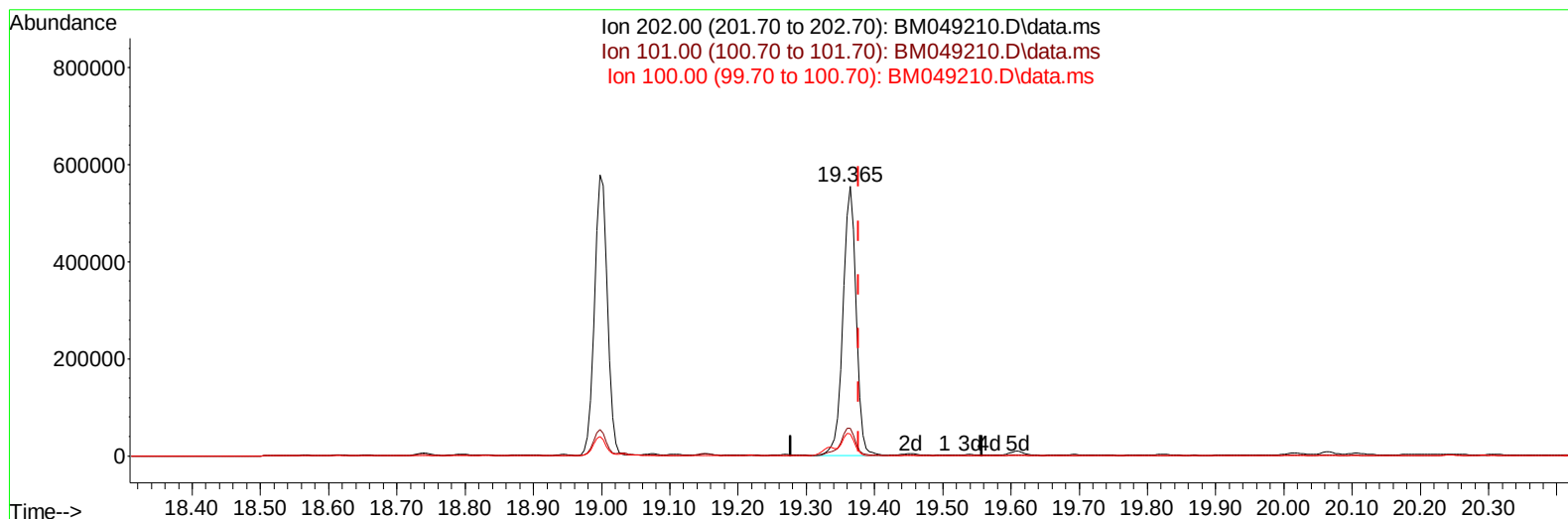
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(20) Pyrene

19.365min (-0.013) 8.21 ng/ul m

response 741276

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.39
100.00	8.60	8.18
0.00	0.00	0.00

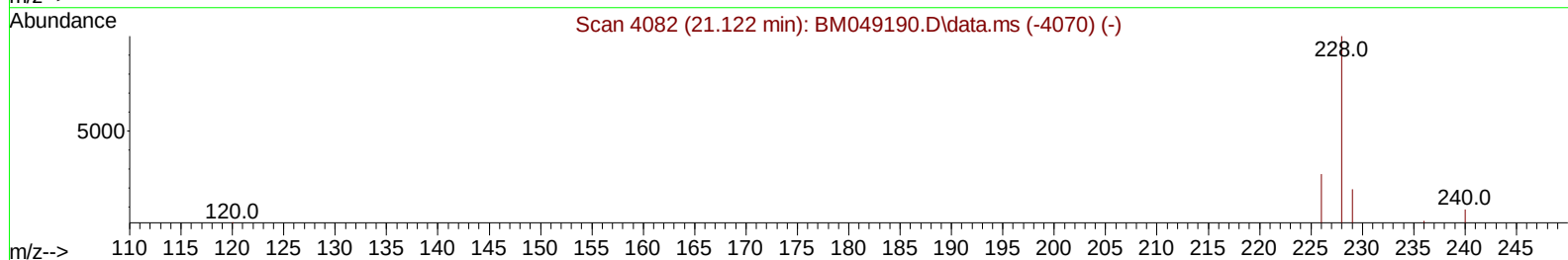
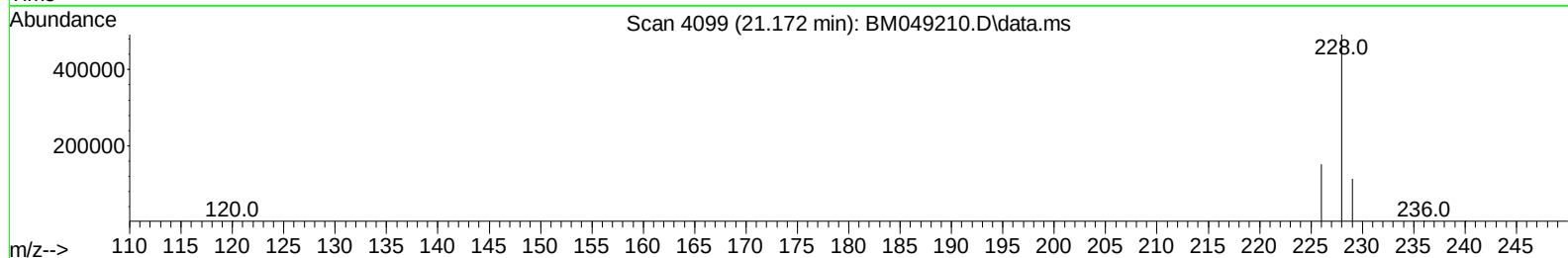
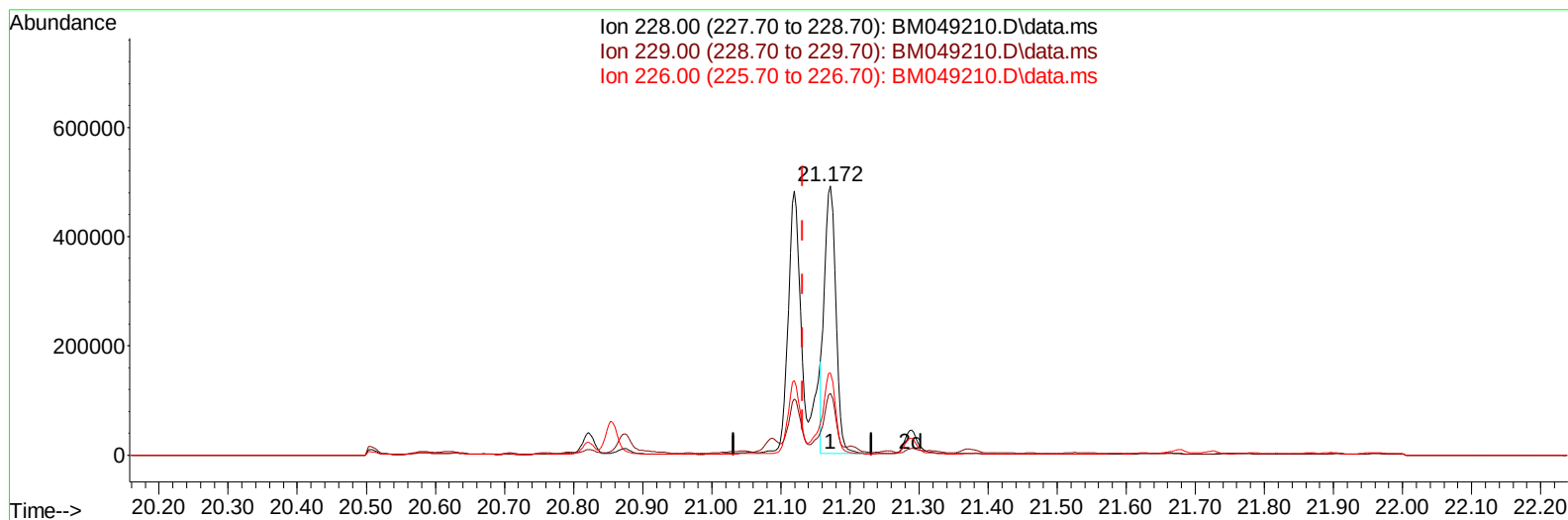
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(21) Benzo(a)anthracene

21.172min (+ 0.041) 6.92 ng/u1

response 563558

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	22.91
226.00	28.30	30.55
0.00	0.00	0.00

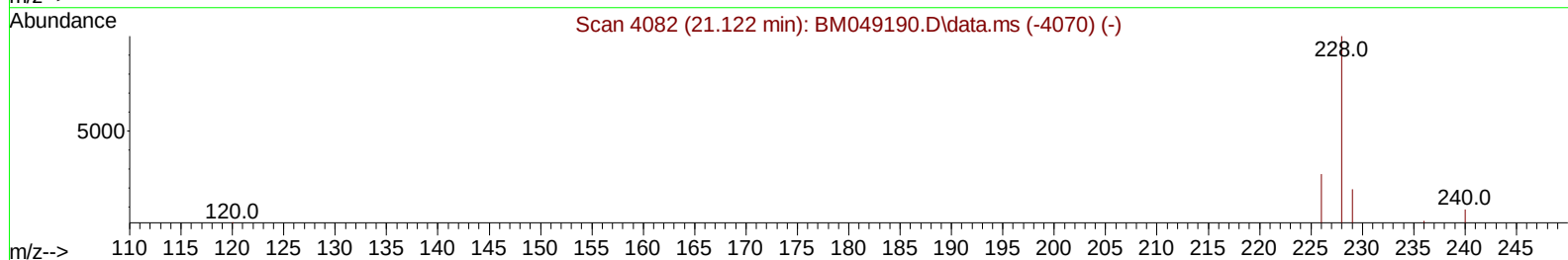
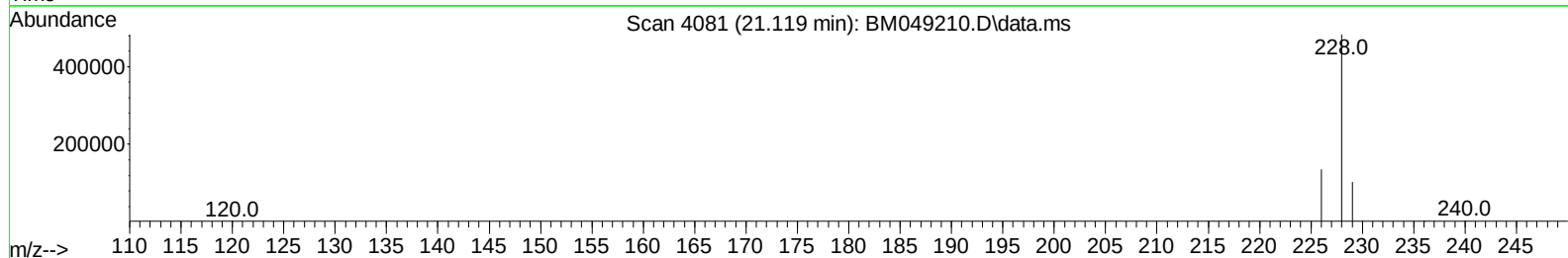
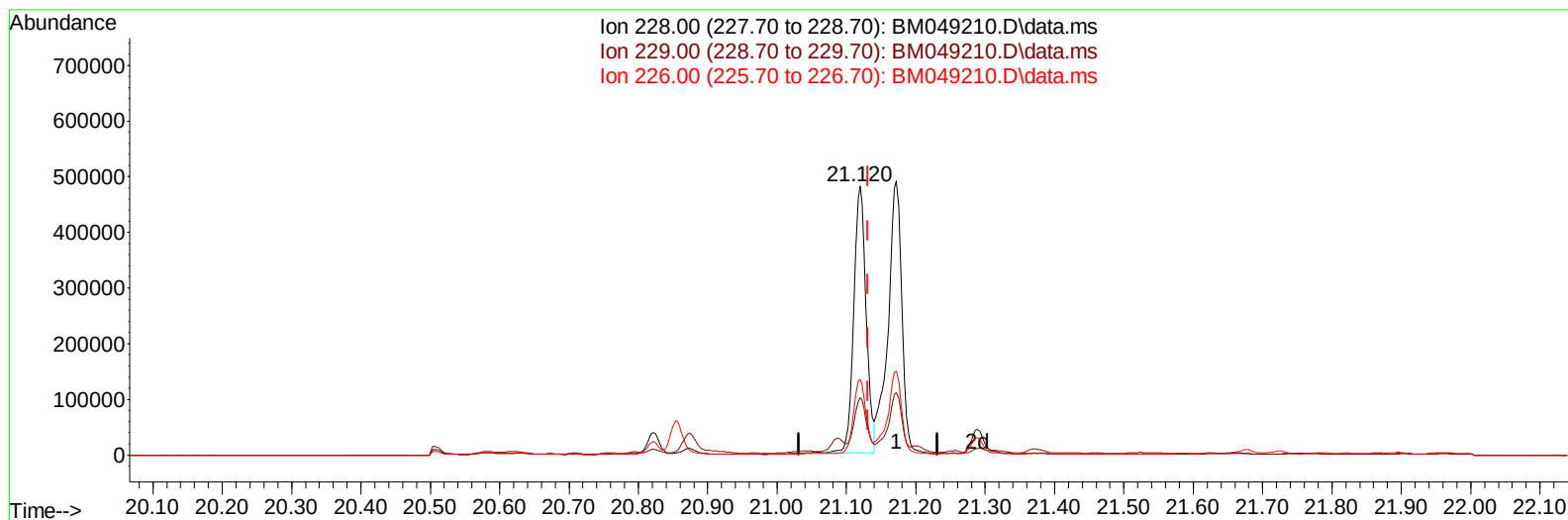
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(21) Benzo(a)anthracene

21.119min (-0.012) 7.28 ng/ul m

response 593697

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	21.31
226.00	28.30	28.16
0.00	0.00	0.00

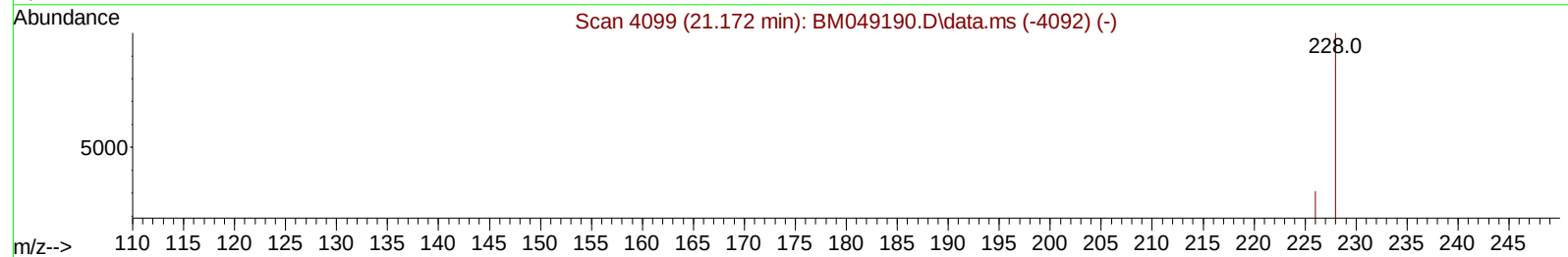
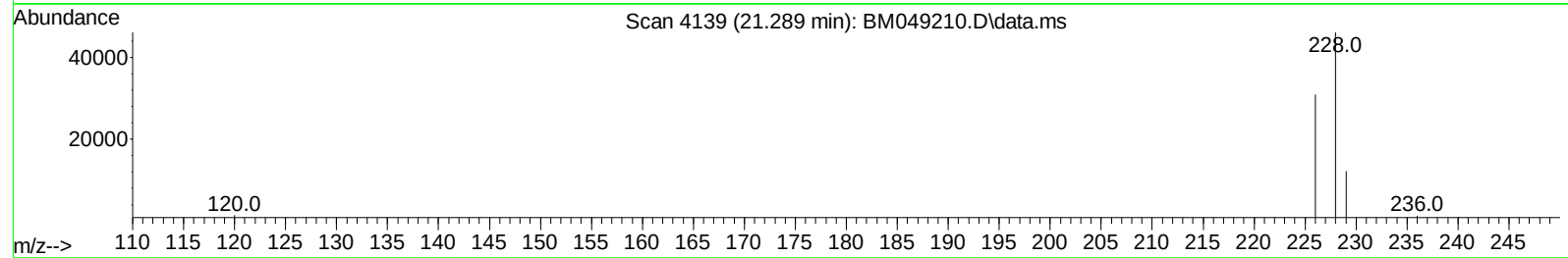
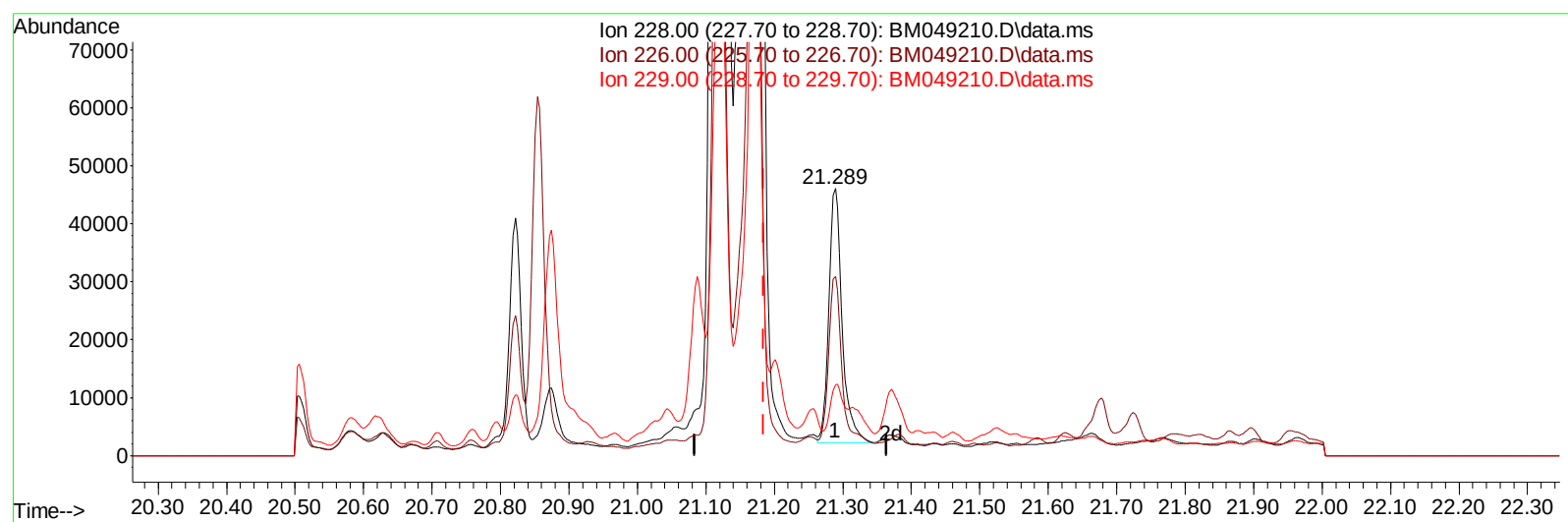
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(22) Chrysene

21.289min (+ 0.105) 0.68 ng/u1

response 59056

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	67.17#
229.00	19.80	26.55#
0.00	0.00	0.00

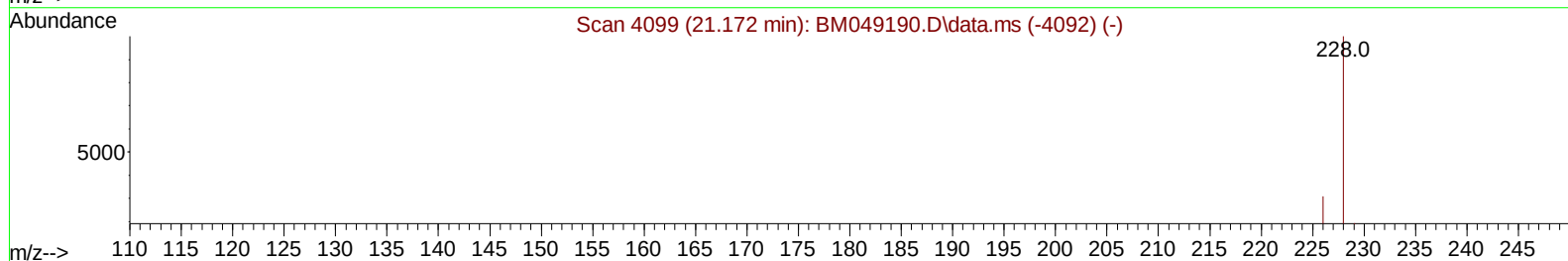
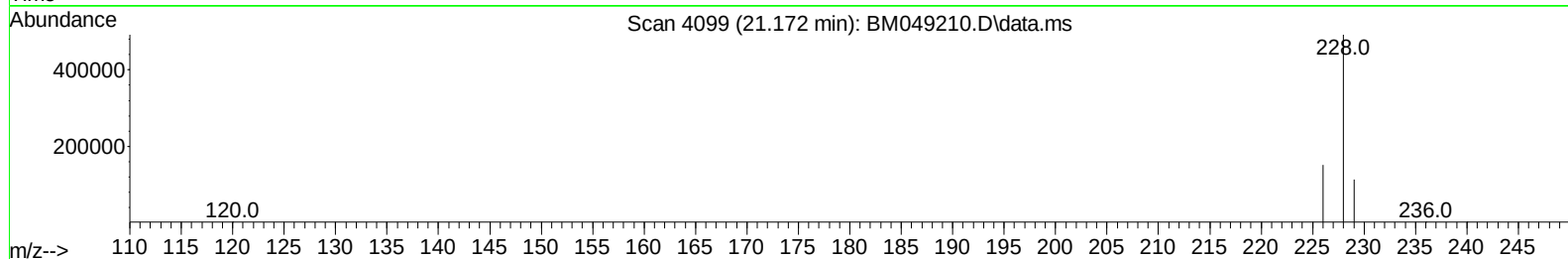
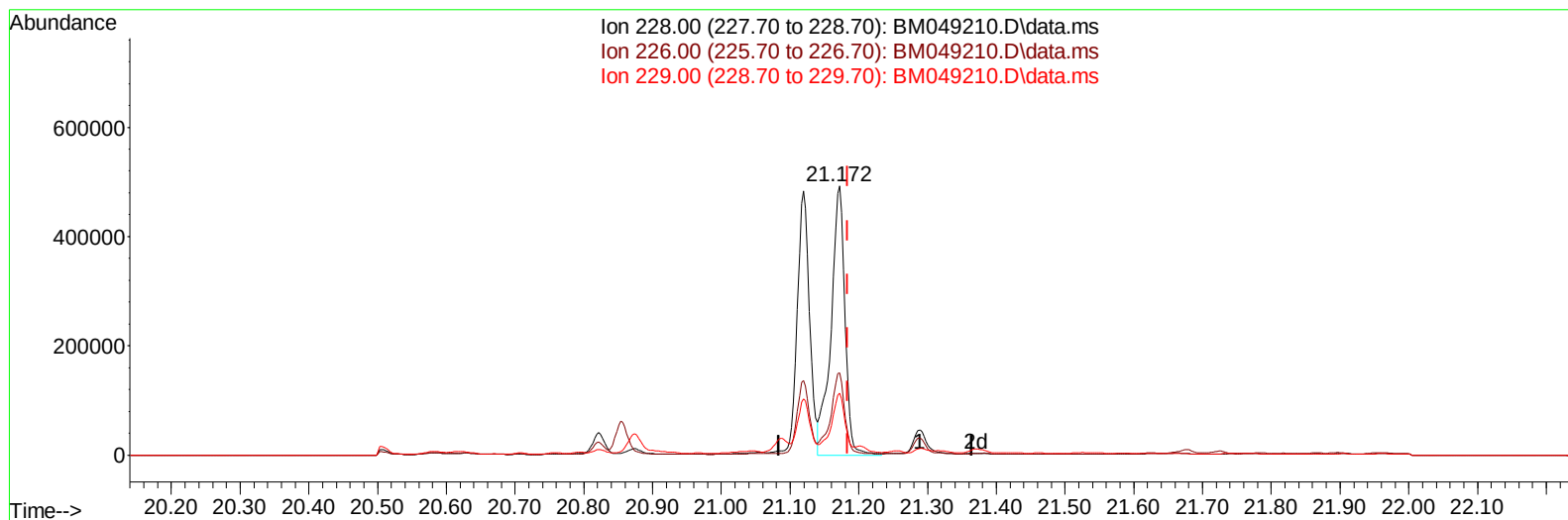
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(22) Chrysene

21.172min (-0.012) 7.97 ng/ul m

response 697472

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.55
229.00	19.80	22.91
0.00	0.00	0.00

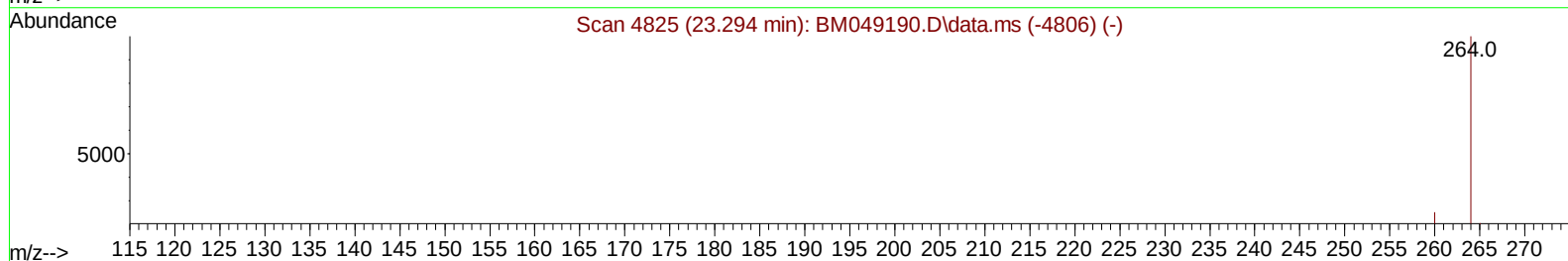
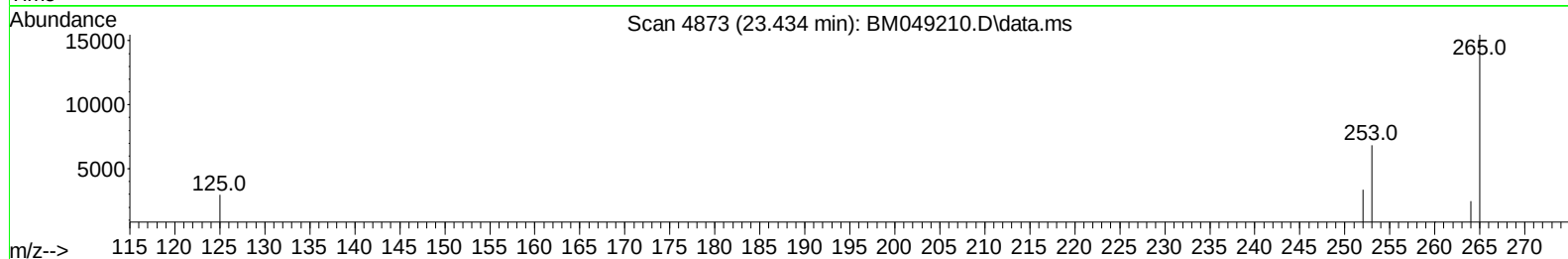
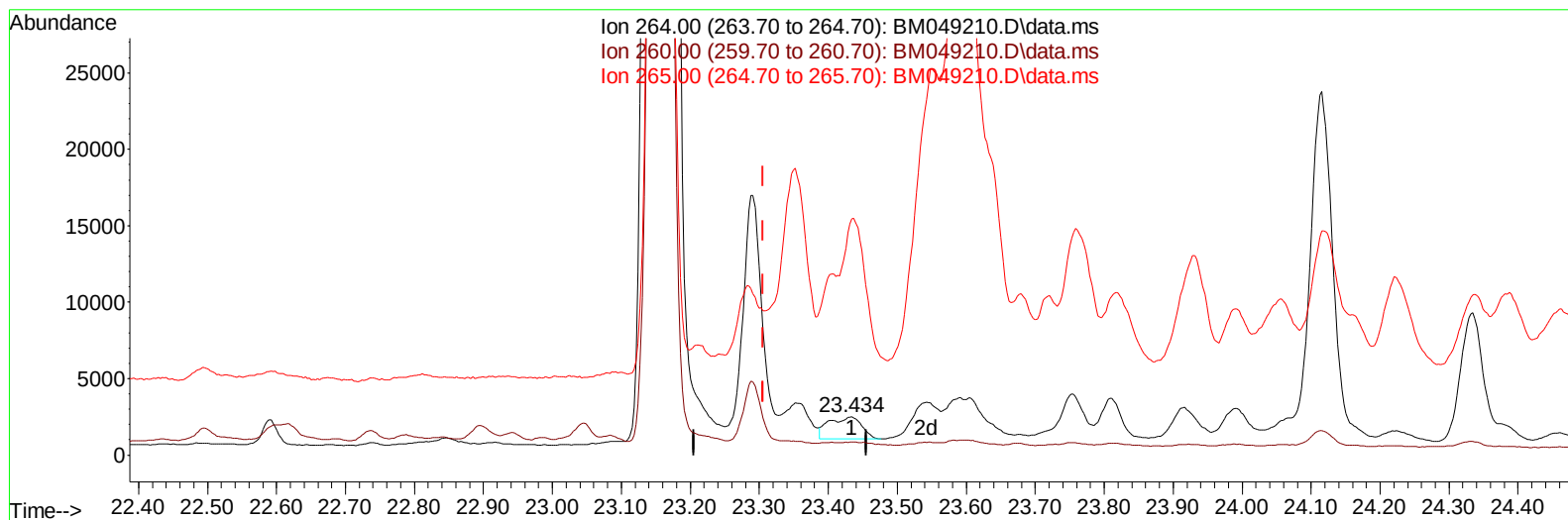
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(23) Perylene-d12 (I)

23.434min (+ 0.128) 0.40 ng/ul

response 4758

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	33.51#
265.00	78.30	619.96#
0.00	0.00	0.00

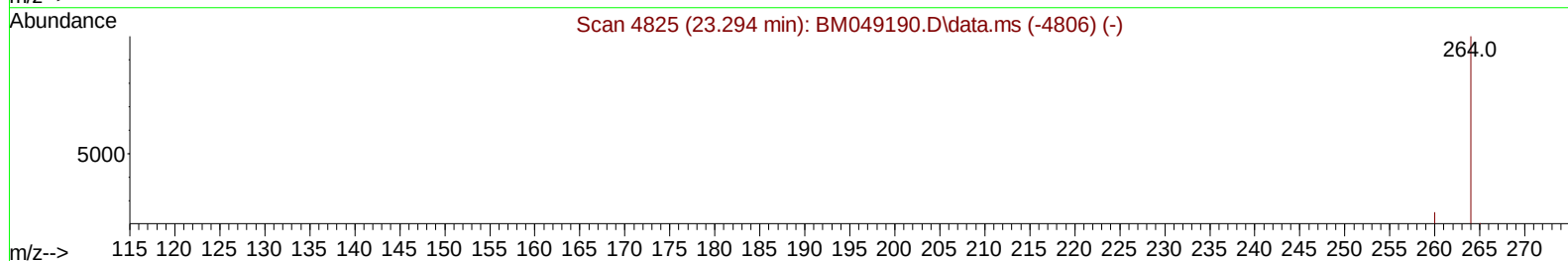
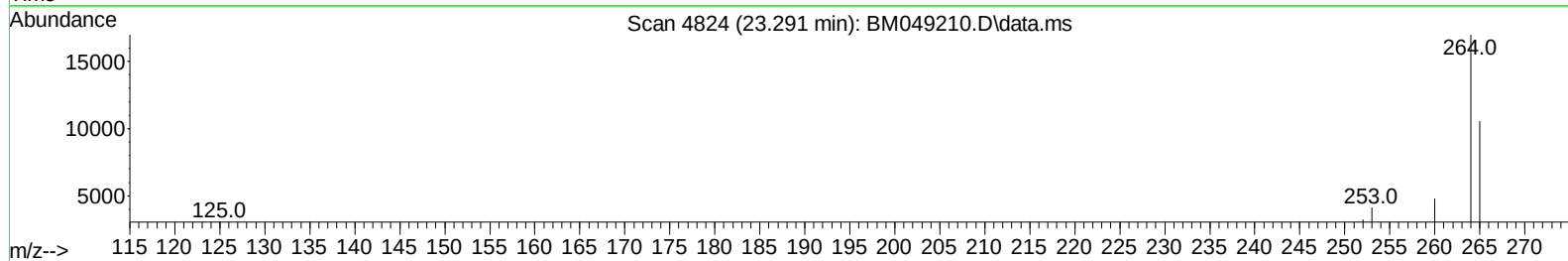
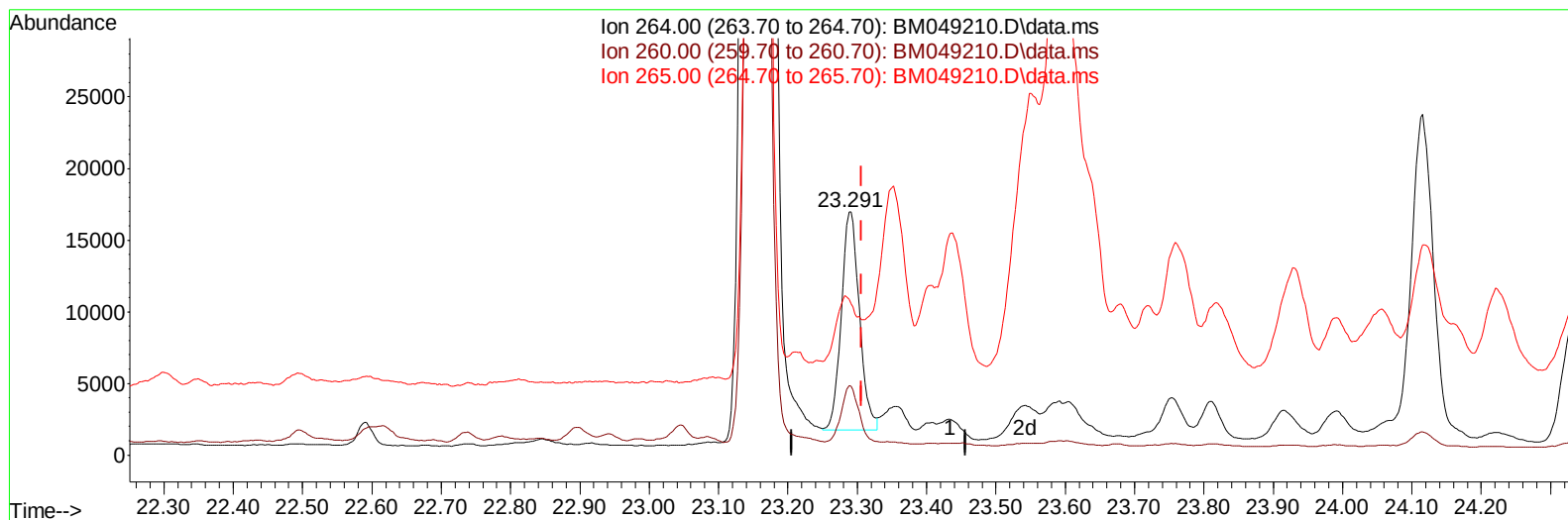
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/ul m

response 27627

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	28.33
265.00	78.30	62.13#
0.00	0.00	0.00

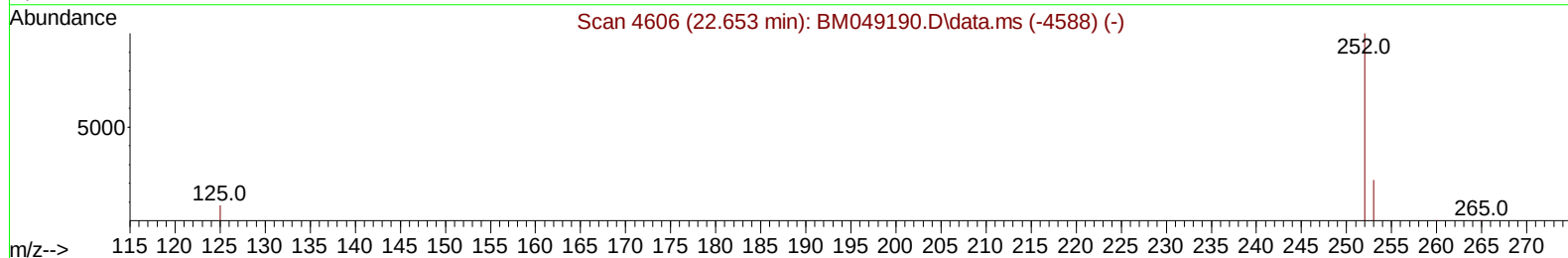
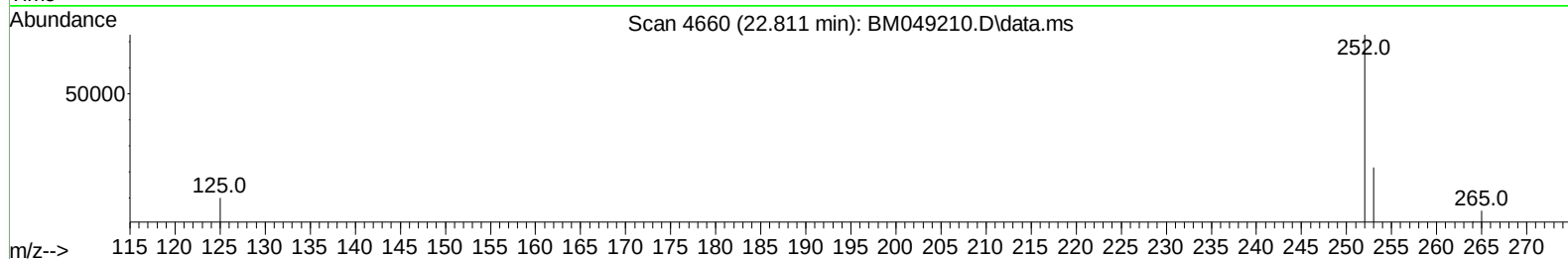
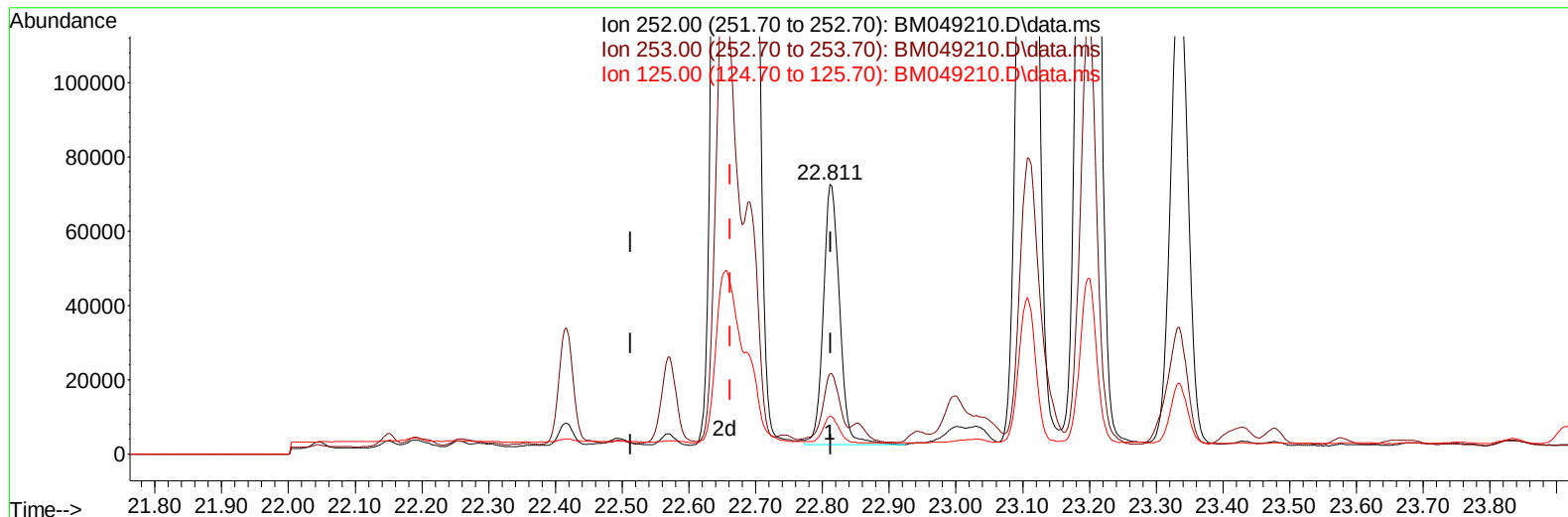
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(24) Benzo(b)fluoranthene

22.811min (+ 0.149) 1.35 ng/u1

response 118733

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	29.94
125.00	15.40	13.97
0.00	0.00	0.00

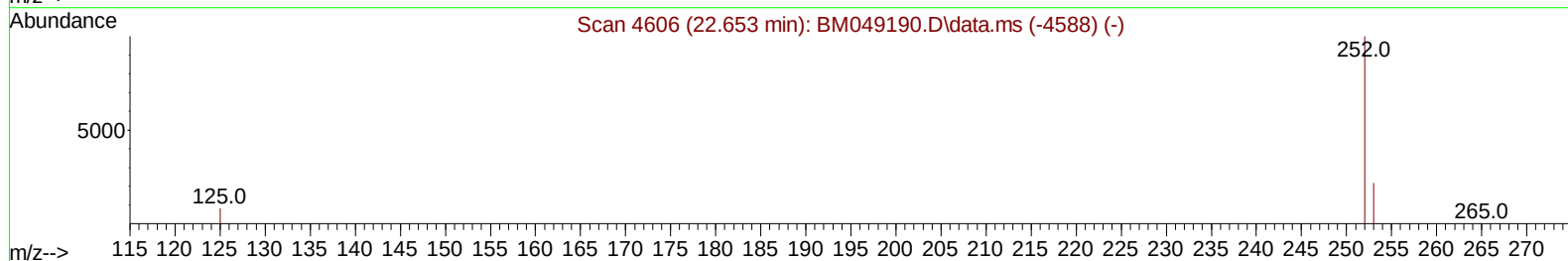
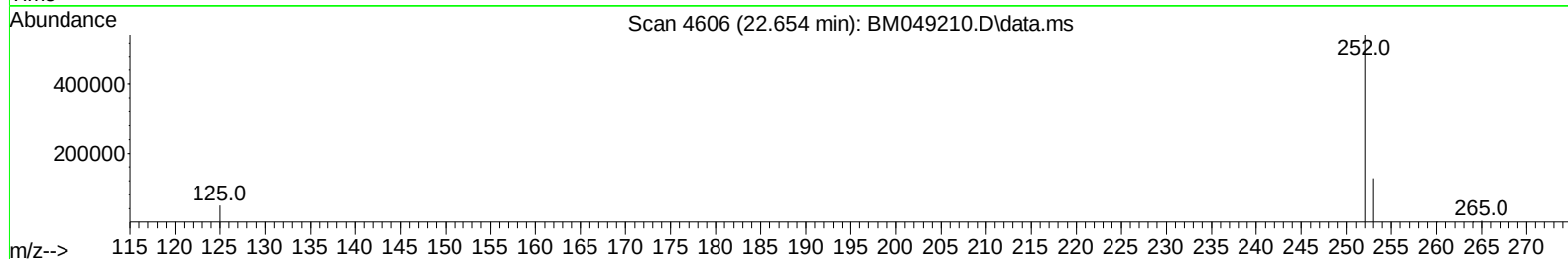
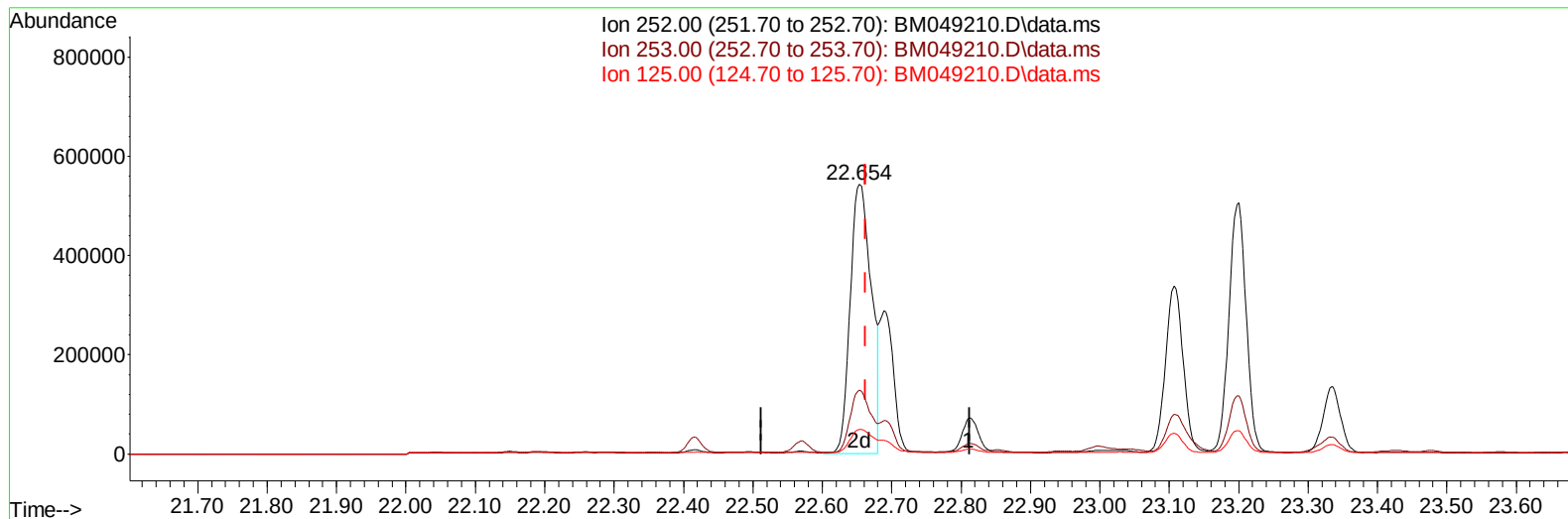
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(24) Benzo(b)fluoranthene

22.654min (-0.009) 13.04 ng/ul m

response 1150766

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.60
125.00	15.40	9.02
0.00	0.00	0.00

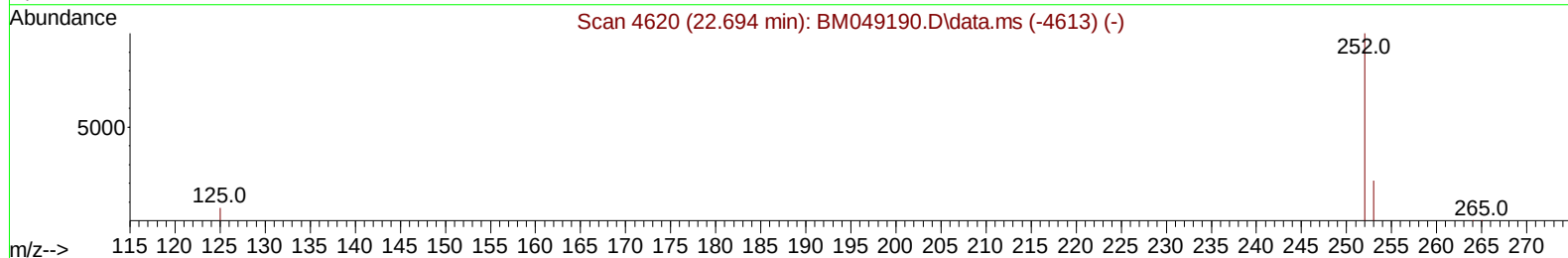
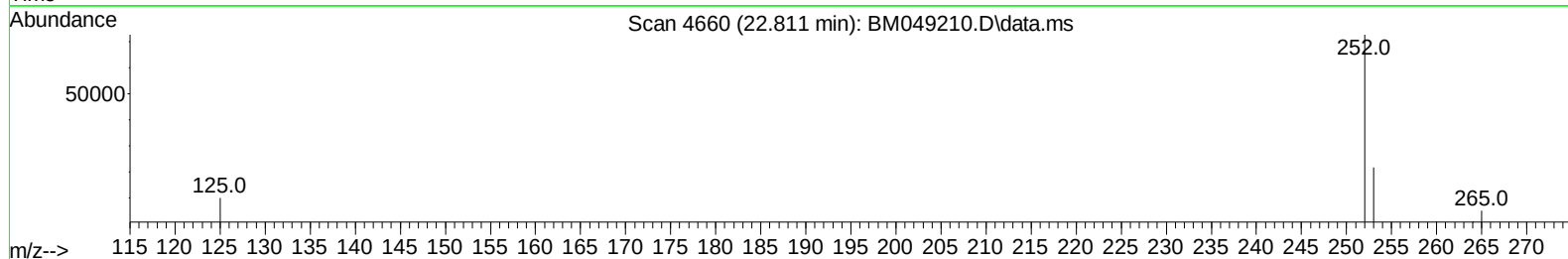
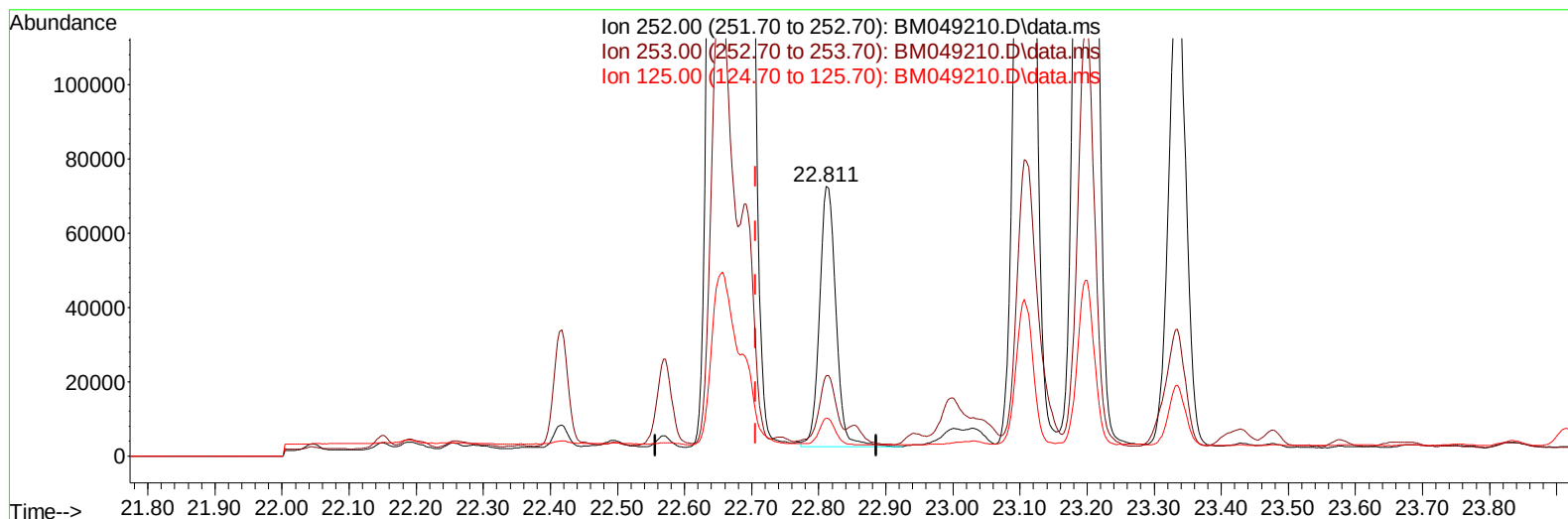
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(25) Benzo(k)fluoranthene

22.811min (+ 0.105) 1.23 ng/u1

response 118733

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	29.94
125.00	15.70	13.97
0.00	0.00	0.00

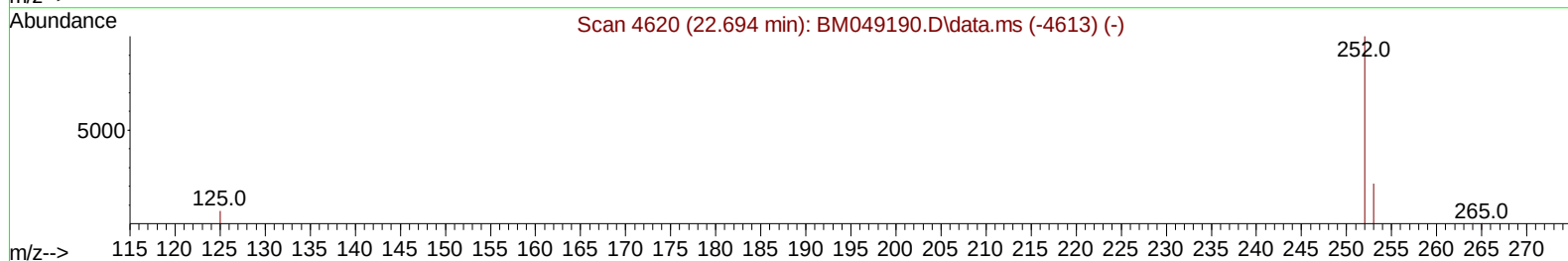
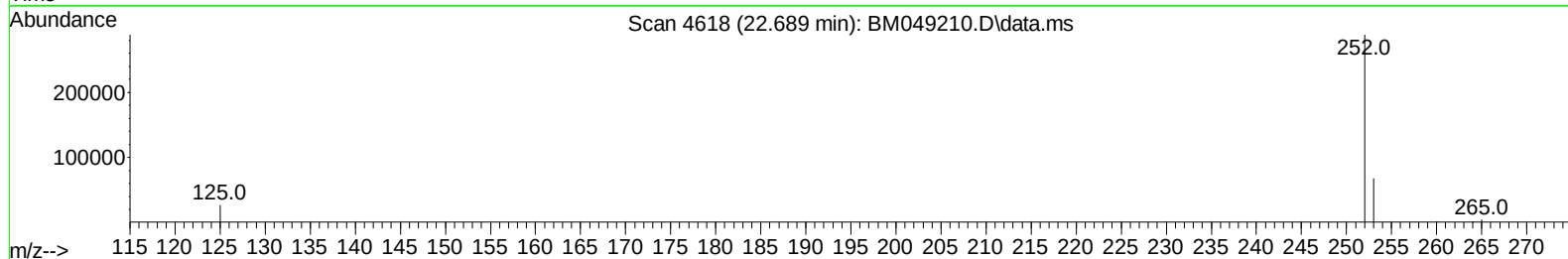
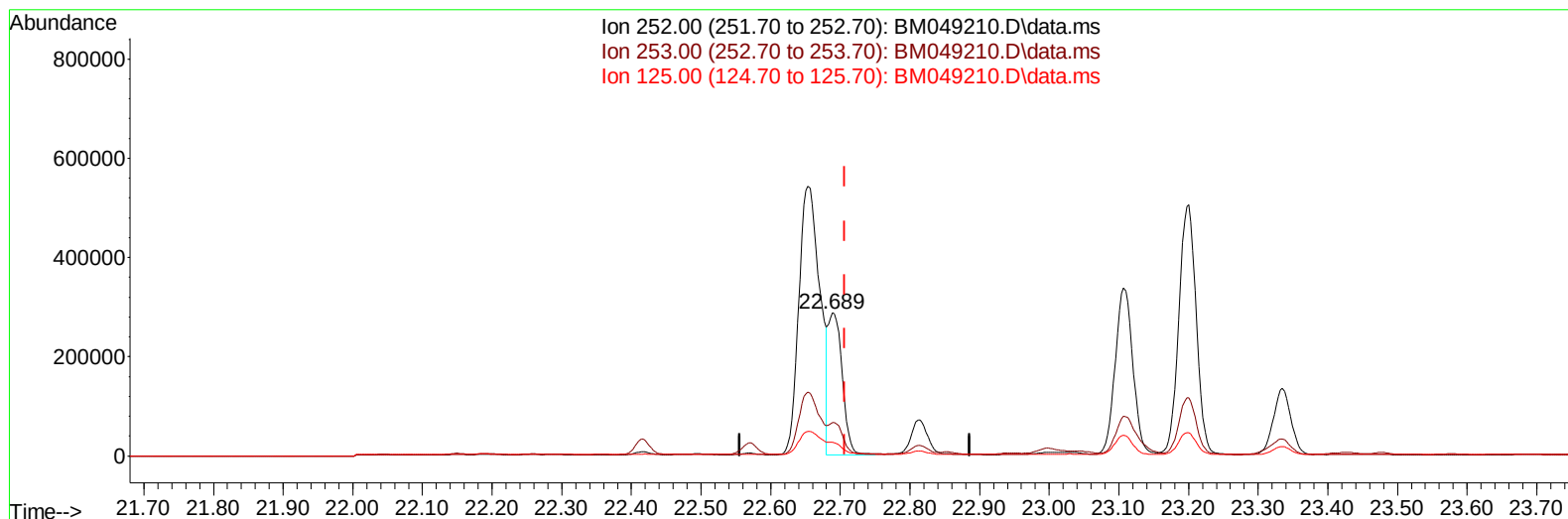
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.018) 4.13 ng/ul m

response 400335

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	23.48
125.00	15.70	9.39#
0.00	0.00	0.00

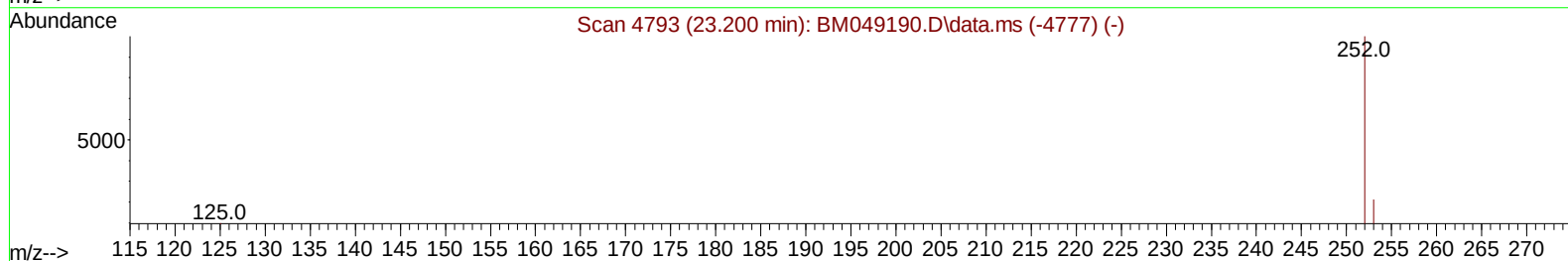
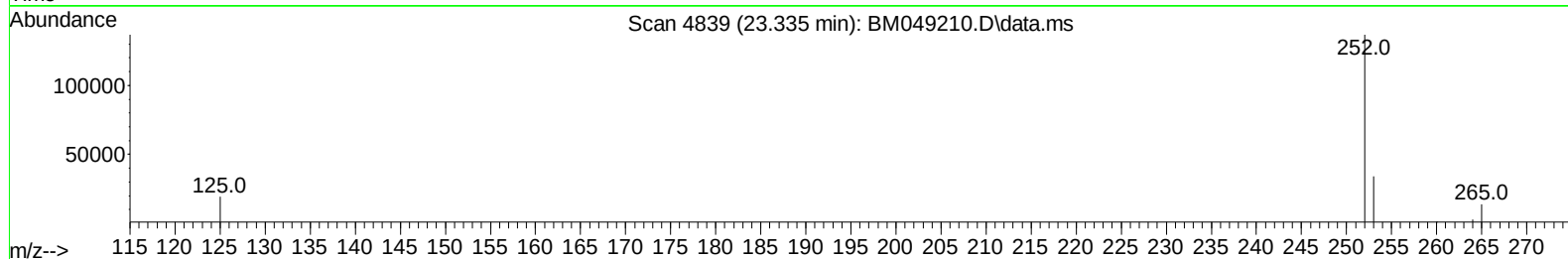
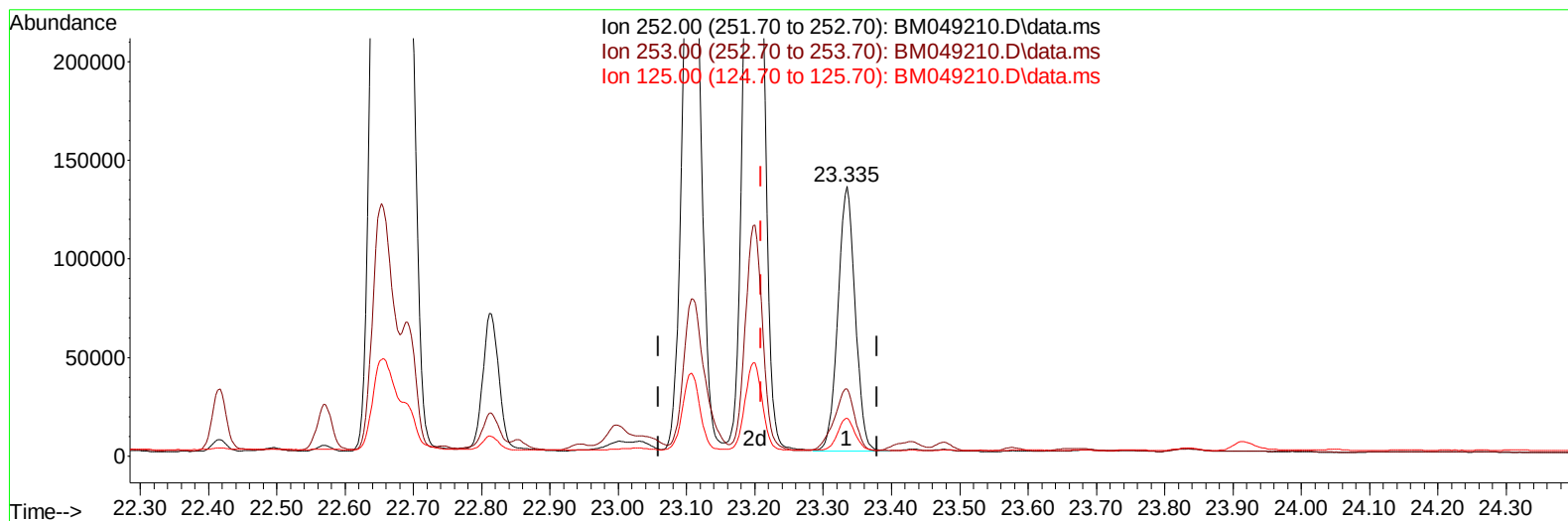
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(26) Benzo(a)pyrene (C)

23.335min (+ 0.125) 2.77 ng/u1

response 234650

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	24.96
125.00	18.50	14.01#
0.00	0.00	0.00

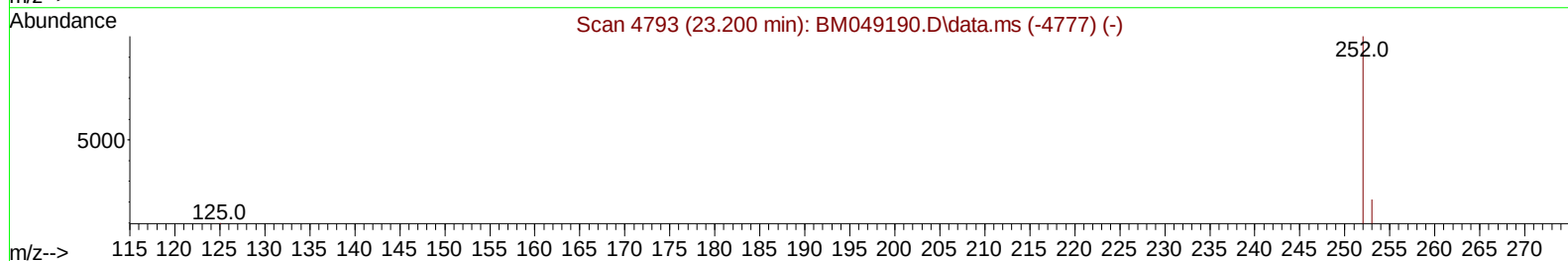
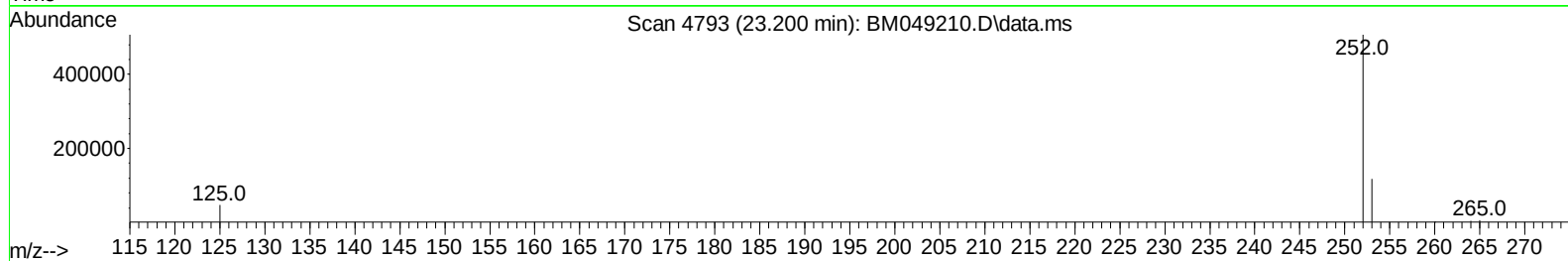
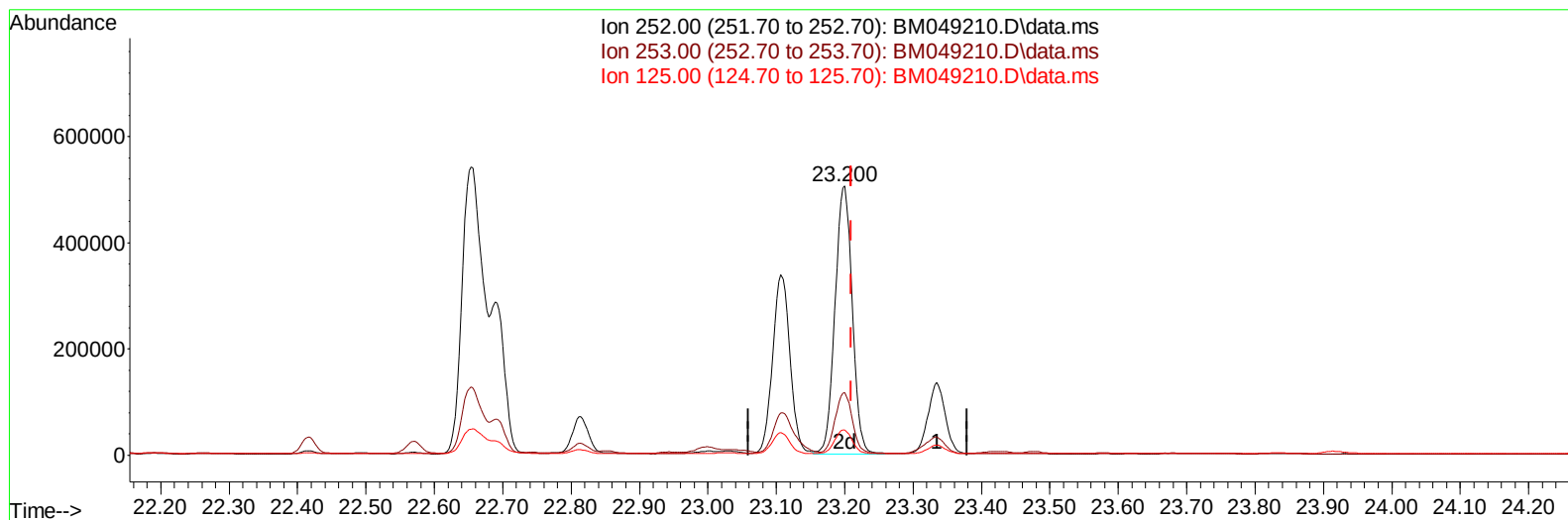
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049210.D
 Acq On : 25 Dec 2024 07:21
 Operator : RC/JU
 Sample : P5333-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(26) Benzo(a)pyrene (C)

23.200min (-0.009) 10.42 ng/ul m

response 881756

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	23.14
125.00	18.50	9.34#
0.00	0.00	0.00

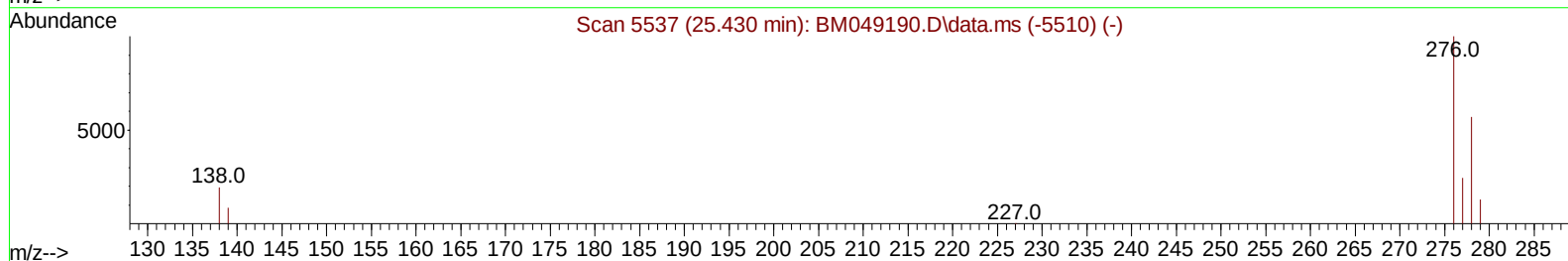
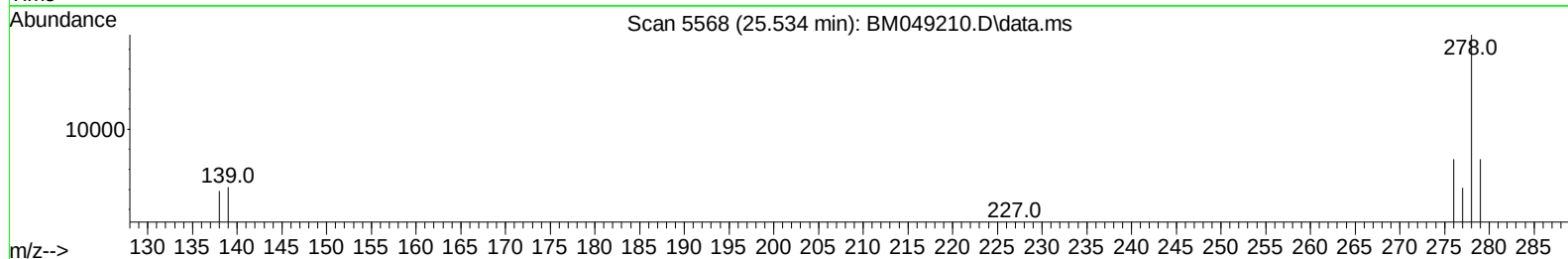
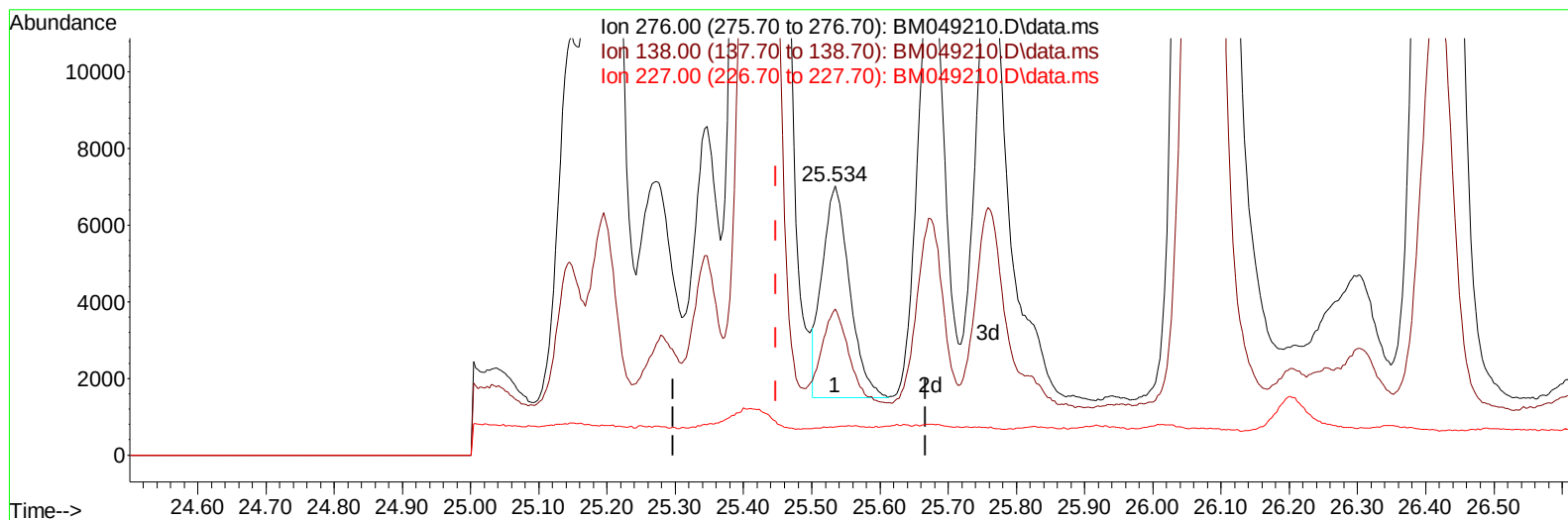
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

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

Quant Time: Dec 25 07:46:42 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



TIC: BM049210.D\data.ms

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

25.534min (+ 0.087) 0.13 ng/u1

response 15513

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	45.18#
227.00	0.20	0.00#
0.00	0.00	0.00

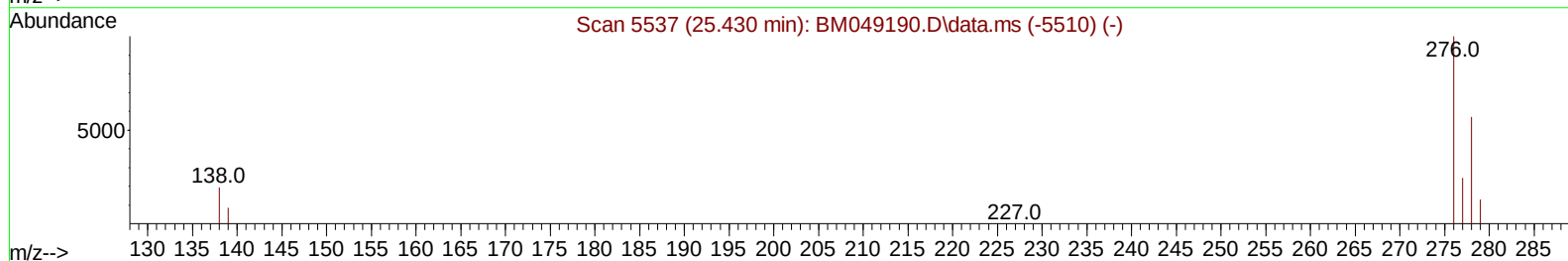
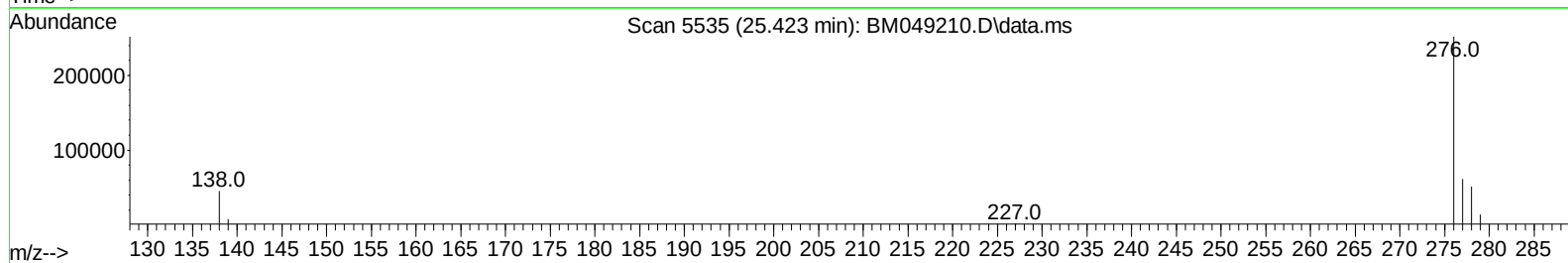
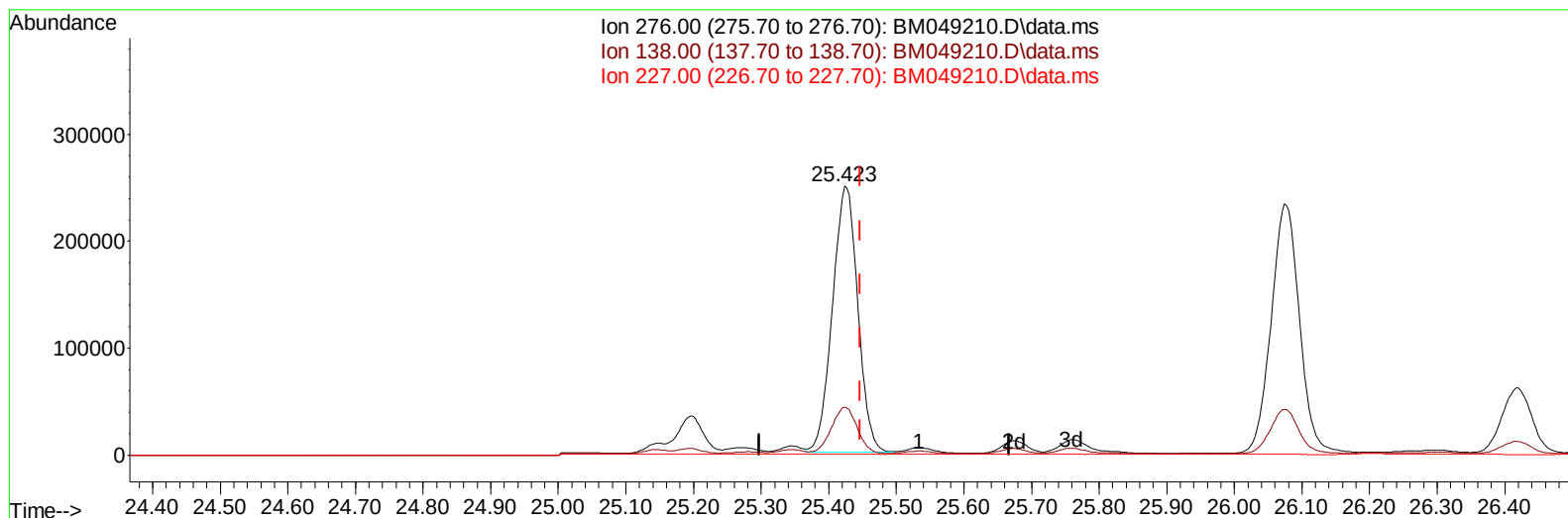
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

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

25.423min (-0.024) 5.38 ng/ul m

response 644578

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	1.09#
227.00	0.20	0.00#
0.00	0.00	0.00

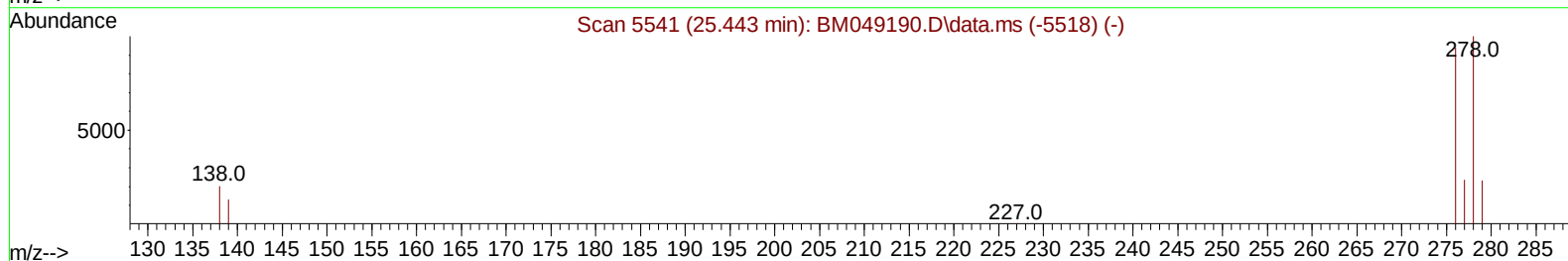
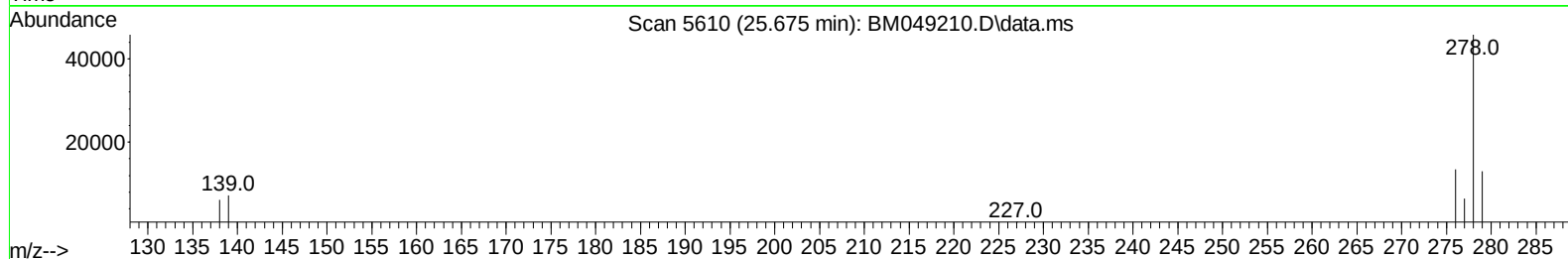
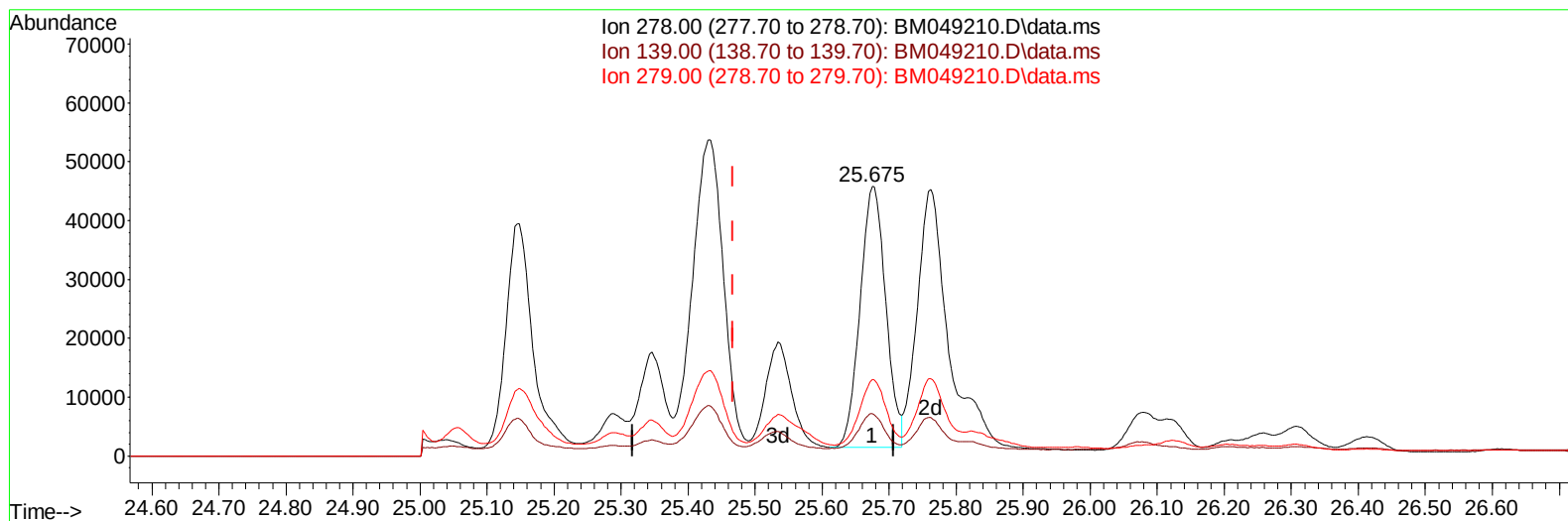
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(28) Dibenzo(a,h)anthracene

25.675min (+ 0.208) 1.27 ng/u1

response 118501

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	15.62
279.00	26.90	28.34
0.00	0.00	0.00

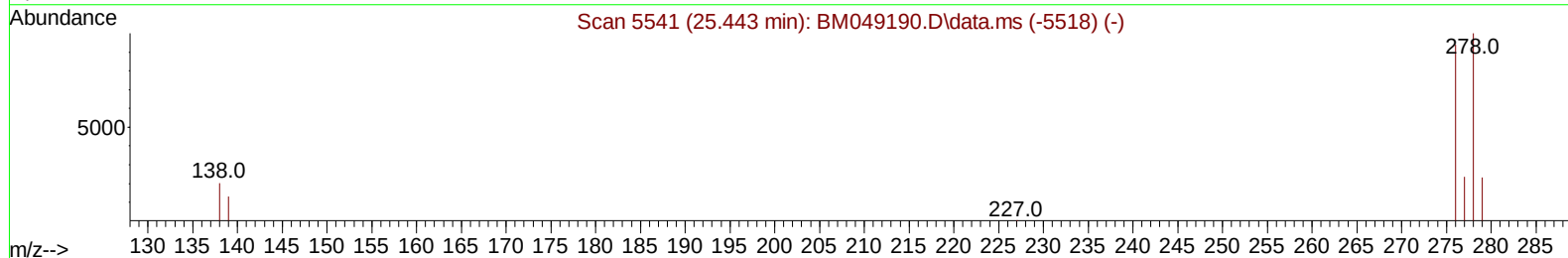
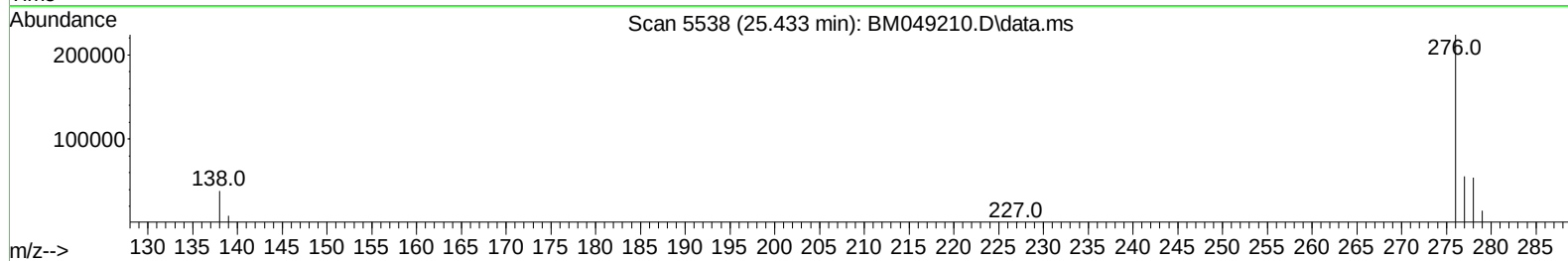
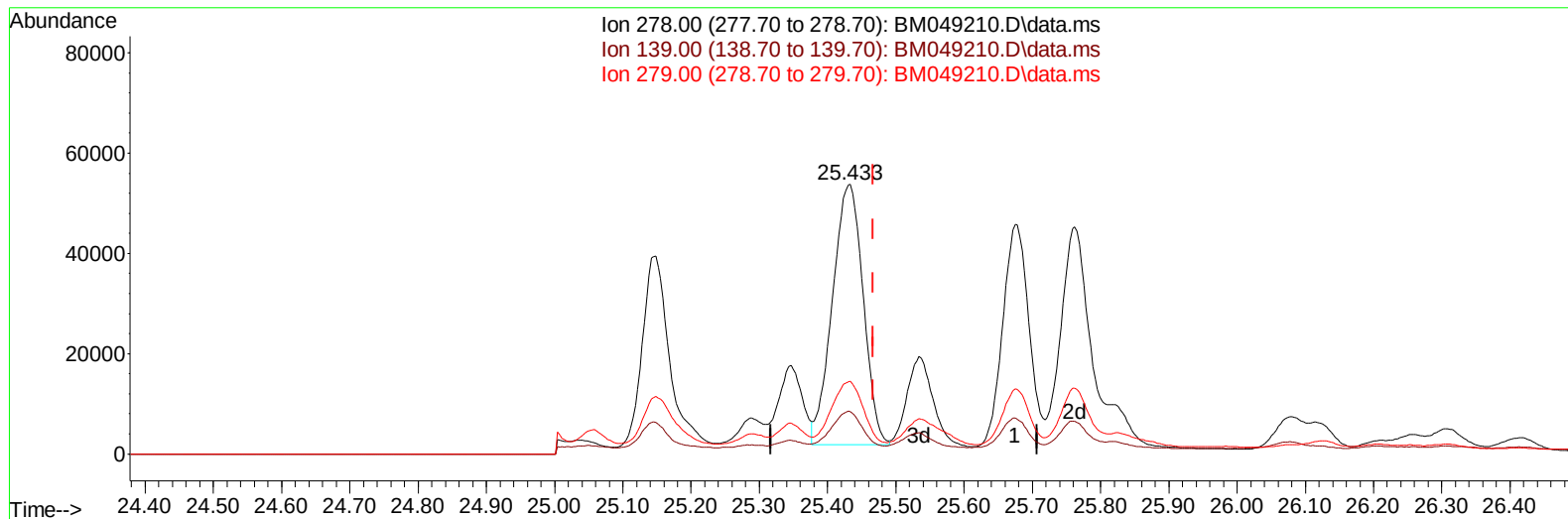
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

(28) Dibenzo(a,h)anthracene

25.433min (-0.034) 1.75 ng/ul m

response 163013

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	15.74
279.00	26.90	26.93
0.00	0.00	0.00

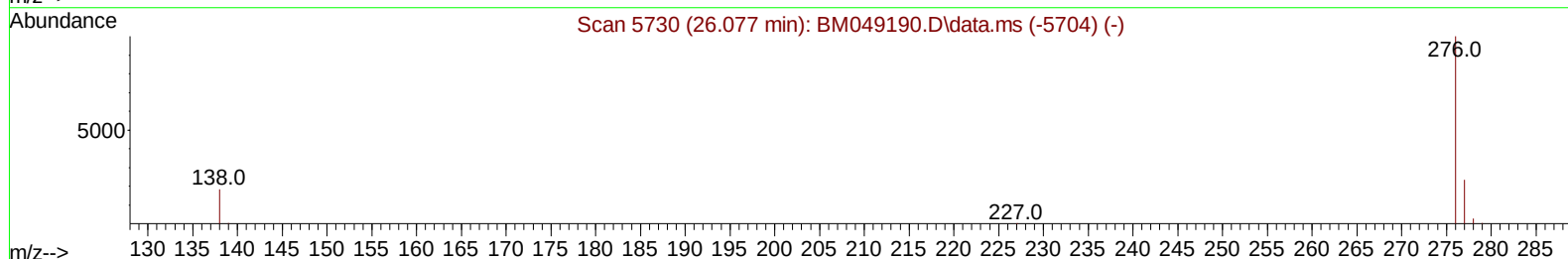
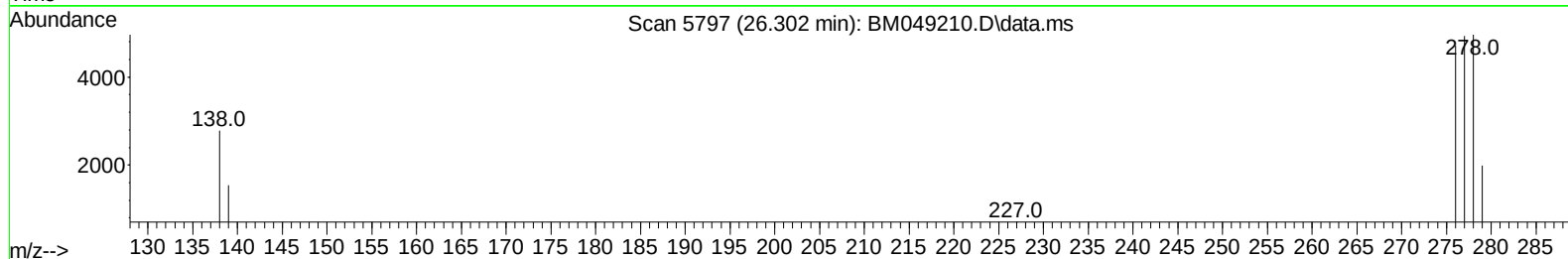
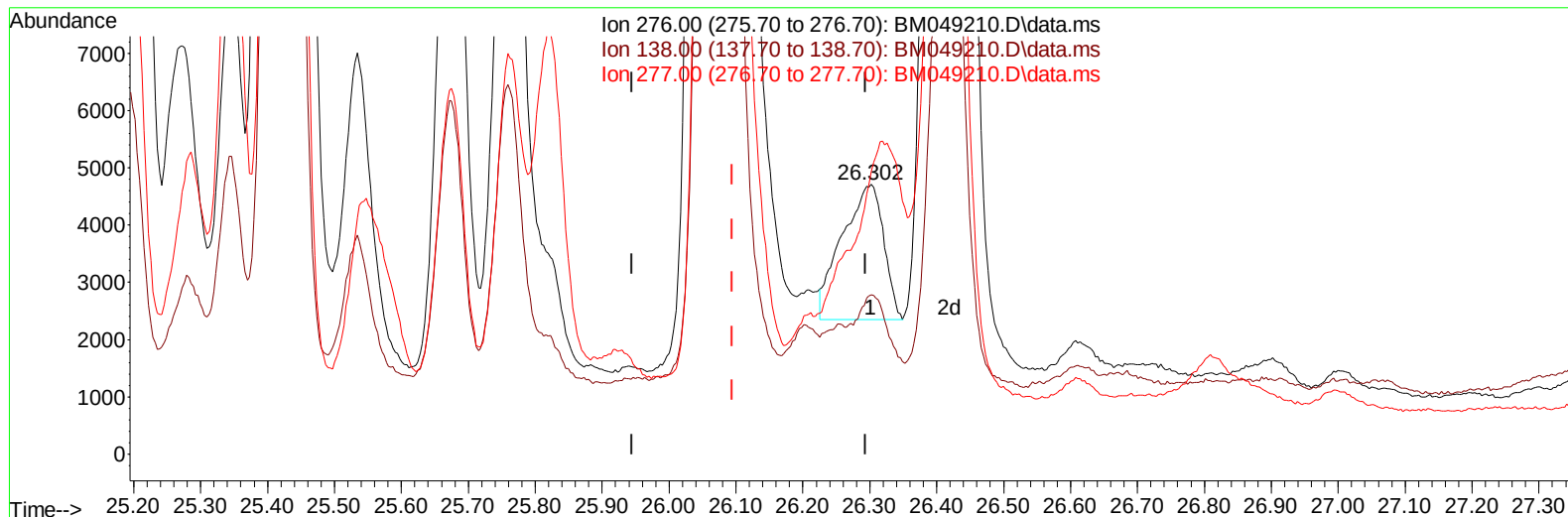
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 2024
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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: BM049210.D\data.ms

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

26.302min (+ 0.208) 0.11 ng/u1

response 10159

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	59.12#
277.00	24.90	104.73#
0.00	0.00	0.00

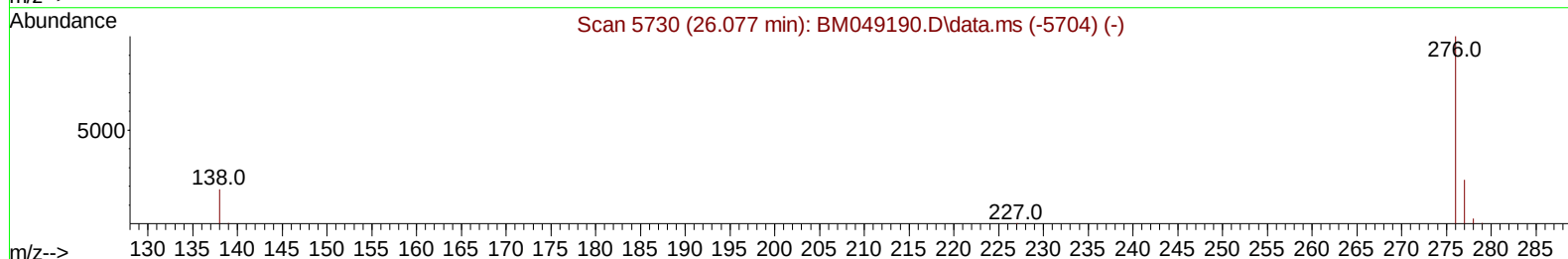
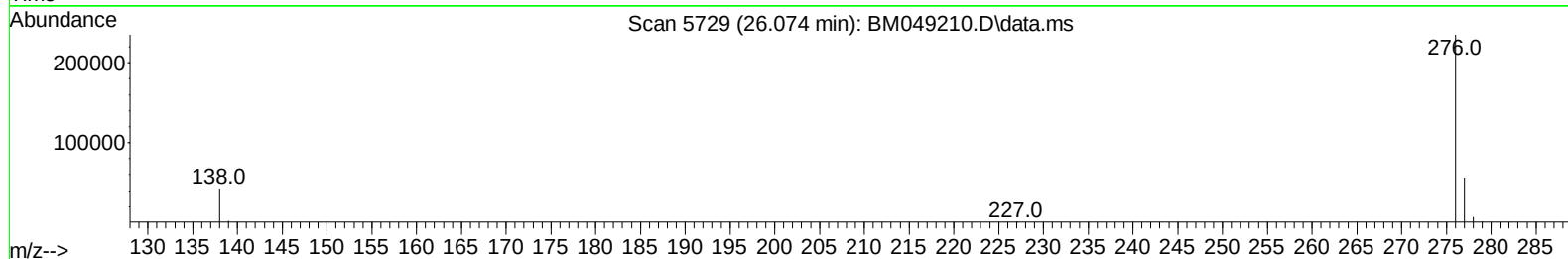
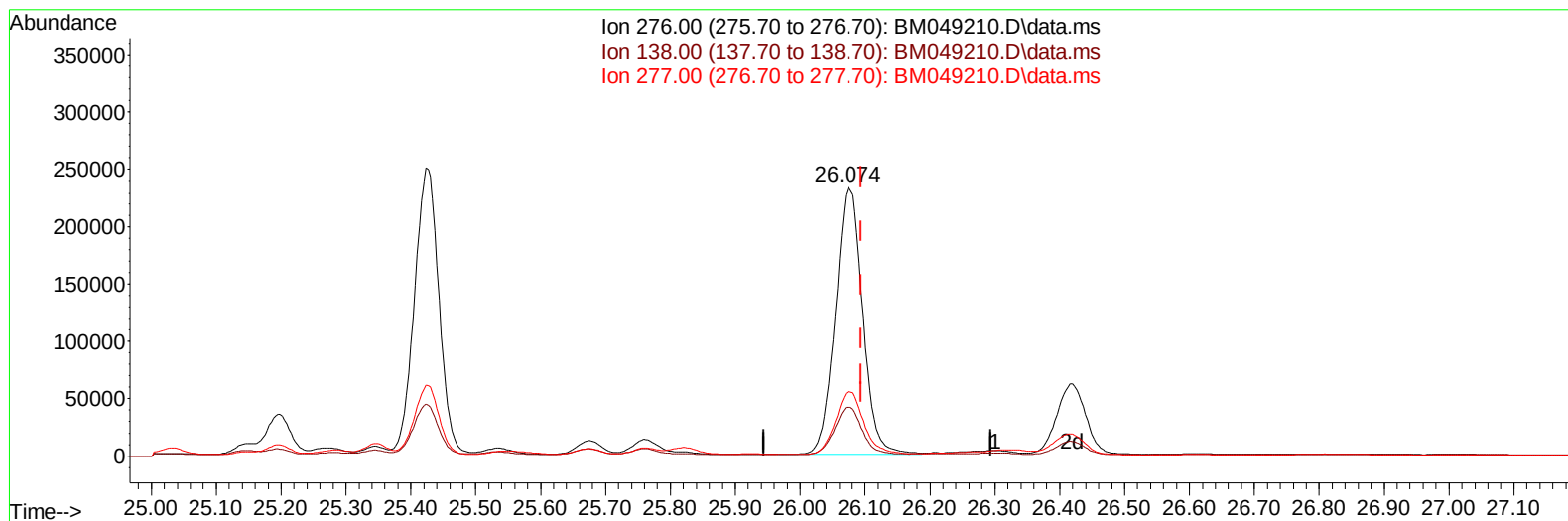
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049210.D
Acq On : 25 Dec 2024 07:21
Operator : RC/JU
Sample : P5333-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

Quant Time: Dec 25 07:46:42 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: BM049210.D\data.ms

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

26.074min (-0.020) 7.09 ng/ul m

response 683385

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.14
277.00	24.90	24.03
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049210.D
 Acq On : 25 Dec 2024 07:21
 Operator : RC/JU
 Sample : P5333-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2920

Manual IntegrationsAPPROVED

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

Quant Time: Dec 25 07:46:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
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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	7194	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.304	136	22854	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.183	164	13372	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.934	188	30852m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240	23429m	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	27627m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	39355	4.743	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.904	152	10542	0.343	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	19945m	0.300	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.354	128	46599	0.815	ng/ul	99
7) 2-Methylnaphthalene	11.981	142	54321	1.499	ng/ul	98
8) 1-Methylnaphthalene	12.201	142	16980	0.457	ng/ul	100
10) Acenaphthylene	13.901	152	7171	0.129	ng/ul#	85
11) Acenaphthene	14.243	153	10105	0.250	ng/ul	99
12) Fluorene	15.238	166	8039	0.176	ng/ul#	94
15) Phenanthrene	16.972	178	274434m	3.406	ng/ul	
16) Anthracene	17.065	178	48686m	0.658	ng/ul	
19) Fluoranthene	18.997	202	757313m	8.940	ng/ul	
20) Pyrene	19.365	202	741276m	8.205	ng/ul	
21) Benzo(a)anthracene	21.119	228	593697m	7.285	ng/ul	
22) Chrysene	21.172	228	697472m	7.975	ng/ul	
24) Benzo(b)fluoranthene	22.654	252	1150766m	13.038	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	400335m	4.134	ng/ul	
26) Benzo(a)pyrene	23.200	252	881756m	10.417	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.423	276	644578m	5.381	ng/ul	
28) Dibenzo(a,h)anthracene	25.433	278	163013m	1.751	ng/ul	
29) Benzo(g,h,i)perylene	26.074	276	683385m	7.094	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
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Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2920

Manual IntegrationsAPPROVED

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