

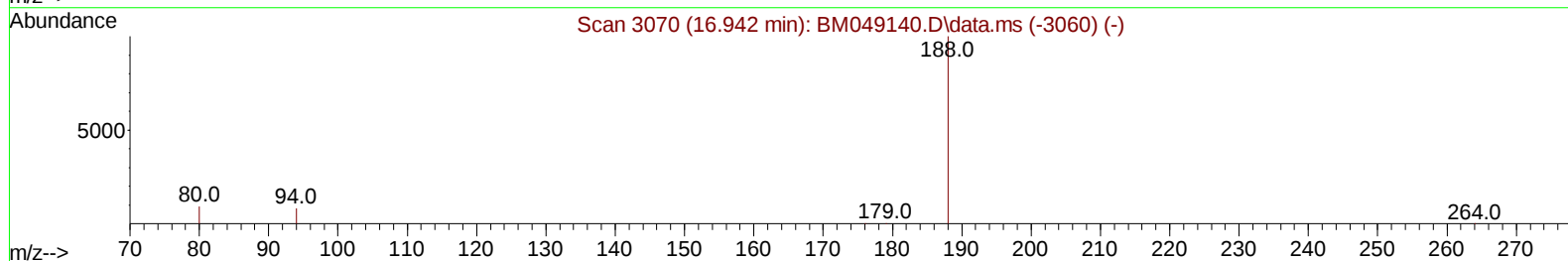
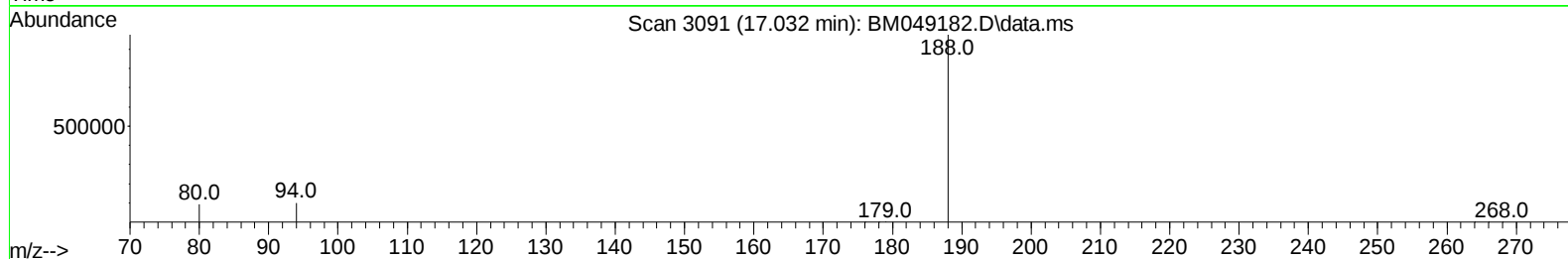
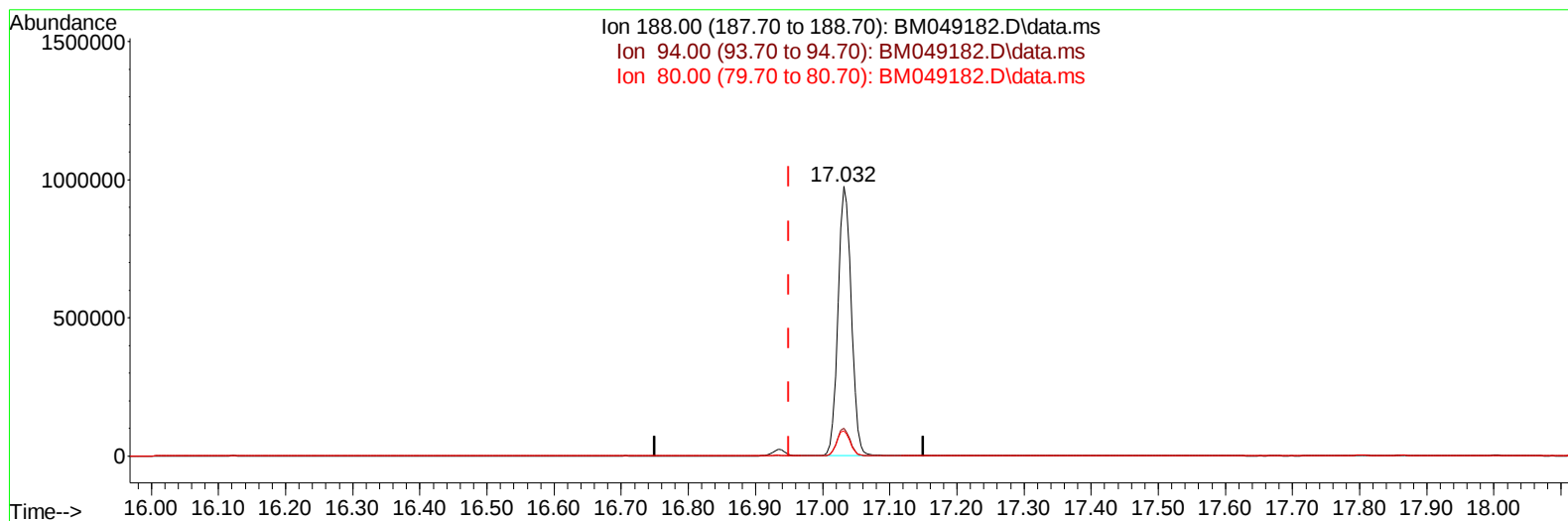
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(13) Phenanthrene-d10 (I)

17.032min (+ 0.082) 0.40 ng/u1

response 1346157

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.26
80.00	10.70	9.45
0.00	0.00	0.00

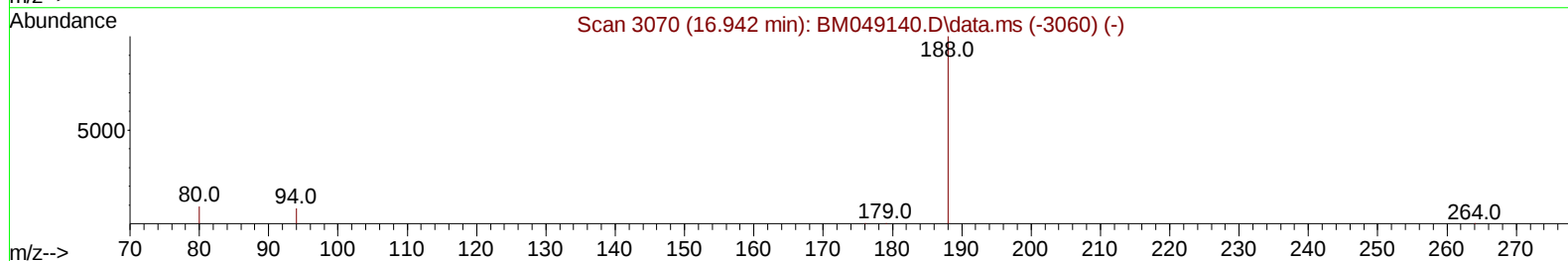
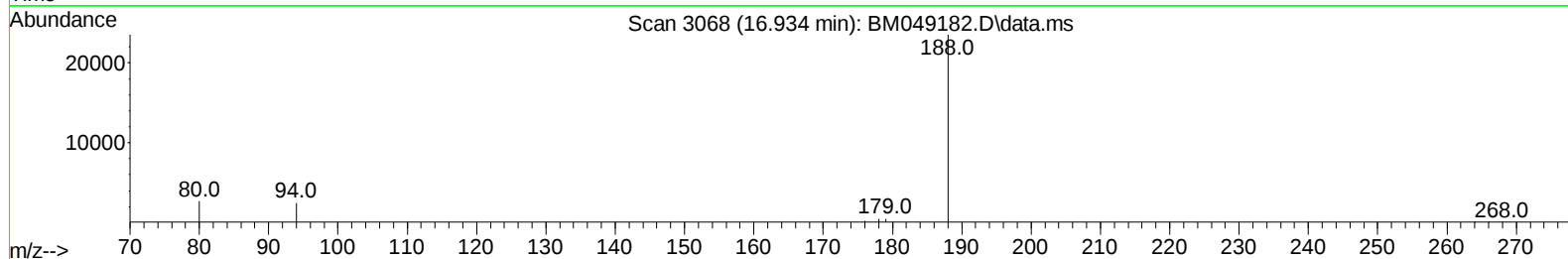
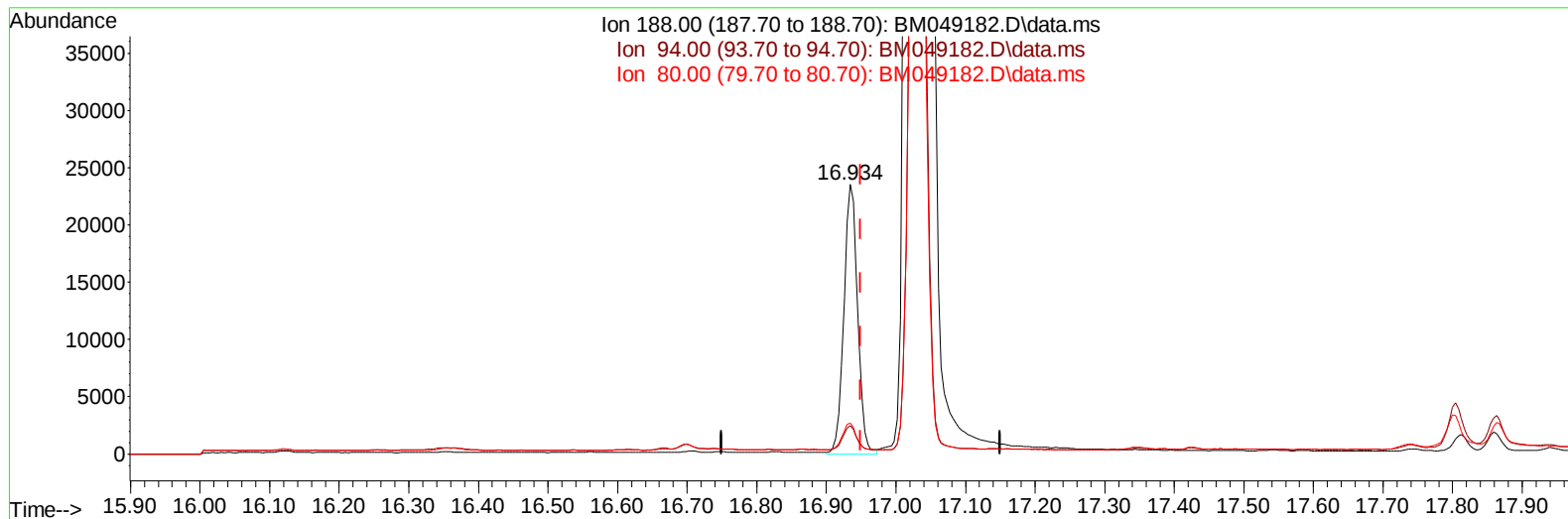
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(13) Phenanthrene-d10 (I)

16.934min (-0.015) 0.40 ng/ul m

response 32049

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.47
80.00	10.70	11.46
0.00	0.00	0.00

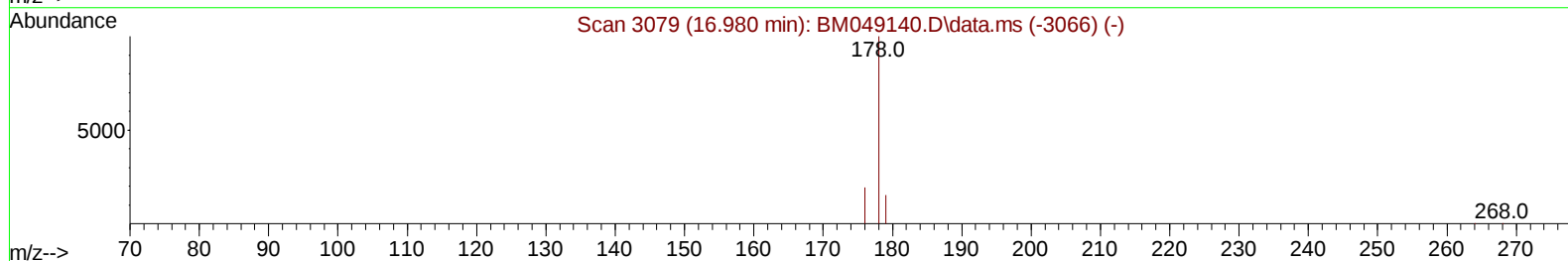
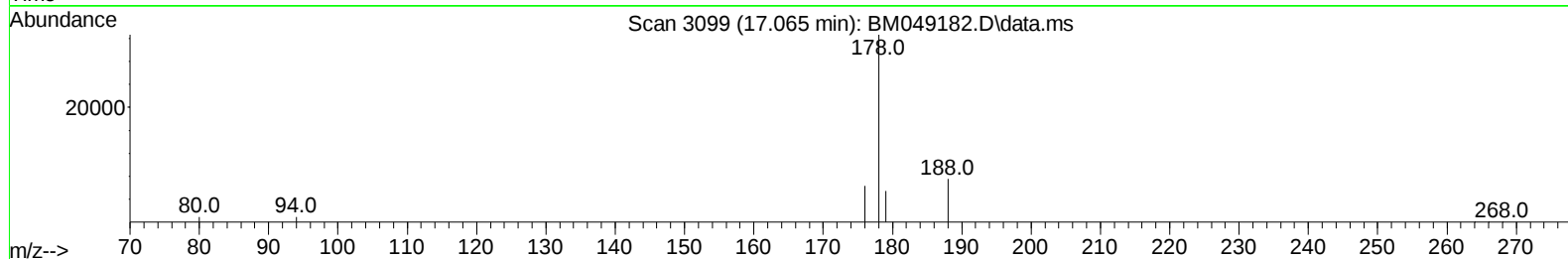
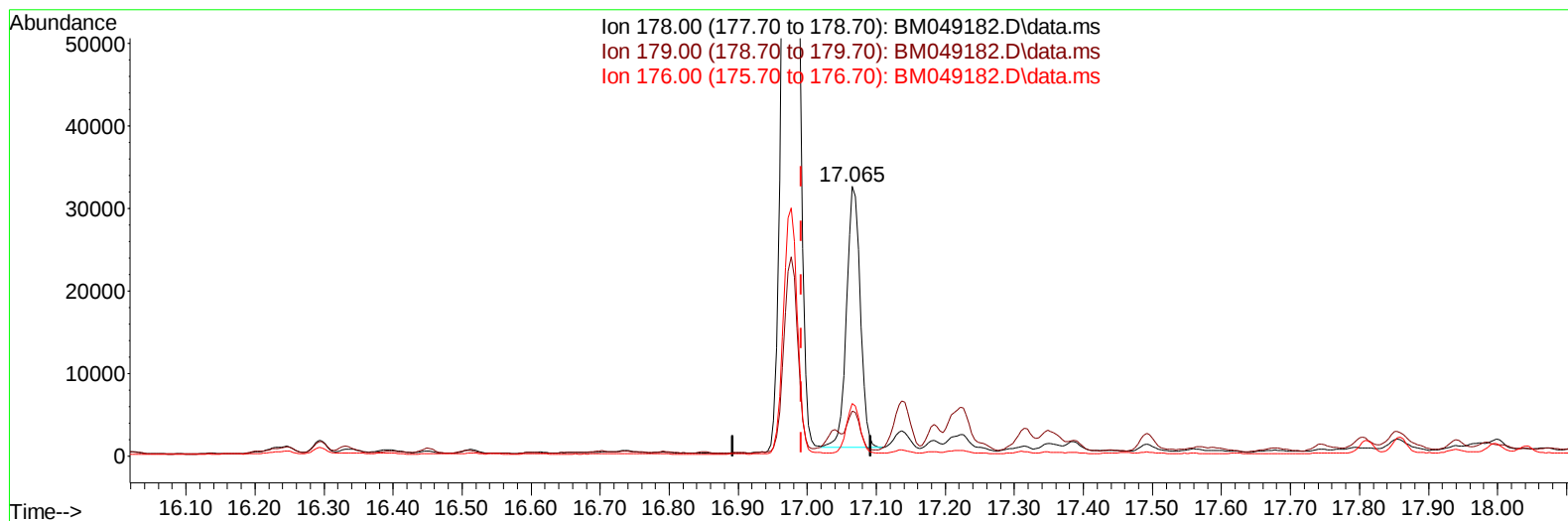
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(15) Phenanthrene

17.065min (+ 0.073) 0.52 ng/u1

response 43713

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.74
176.00	20.20	19.49
0.00	0.00	0.00

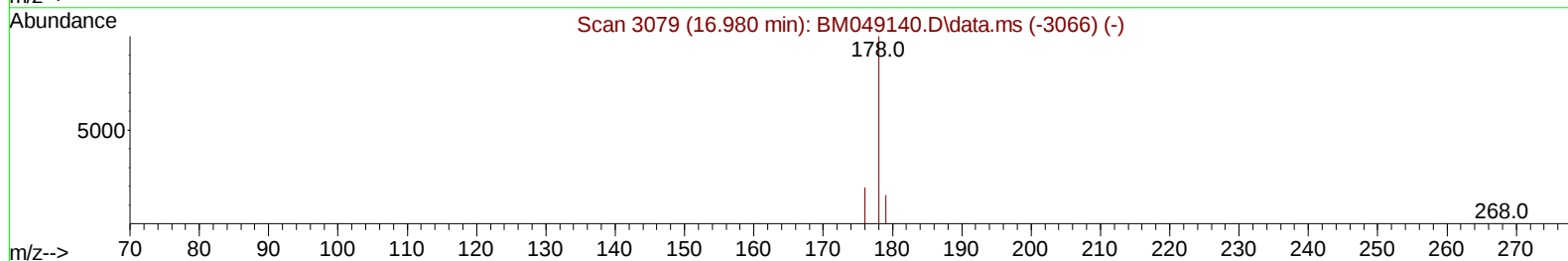
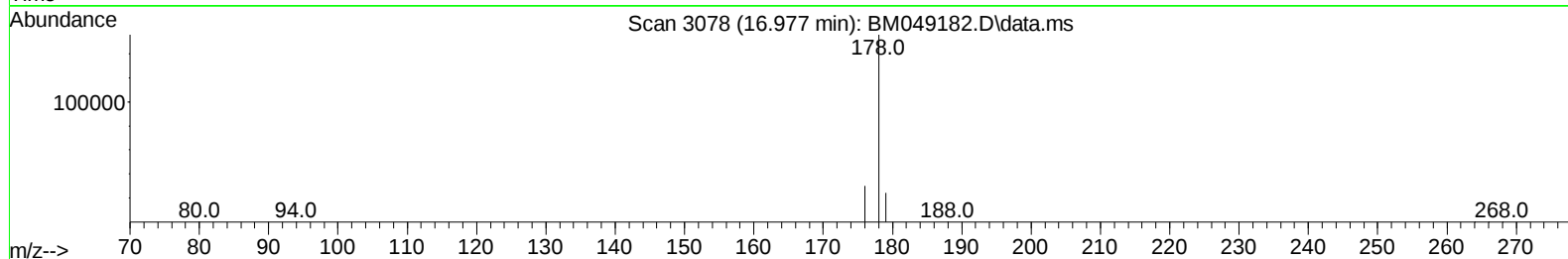
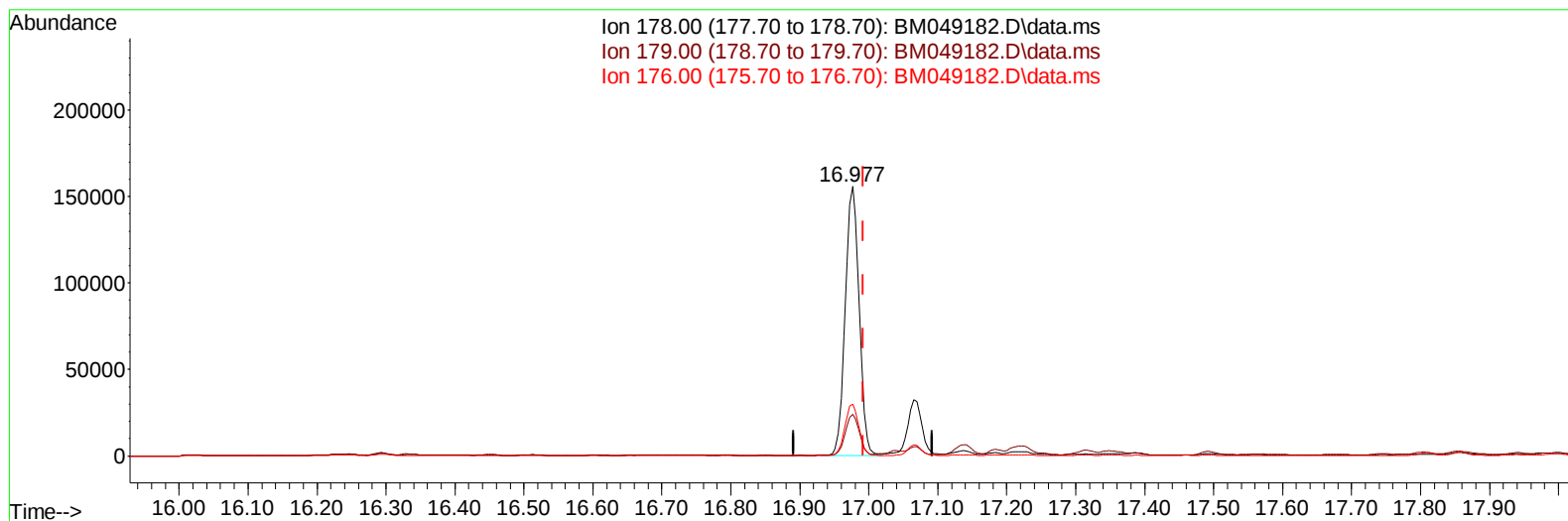
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(15) Phenanthrene

16.977min (-0.016) 2.61 ng/u1 m

response 218097

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.48
176.00	20.20	19.30
0.00	0.00	0.00

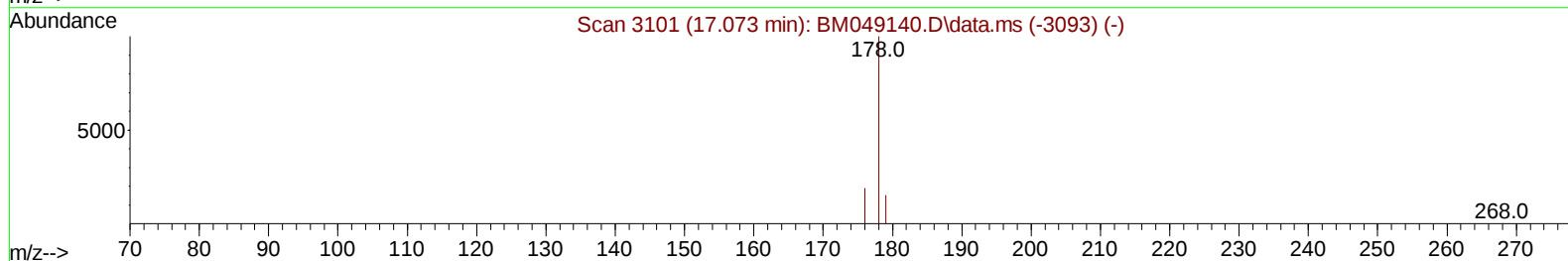
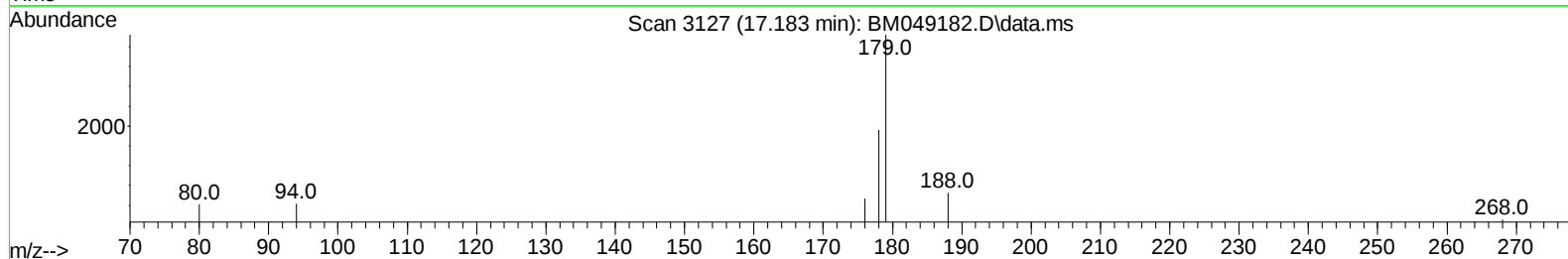
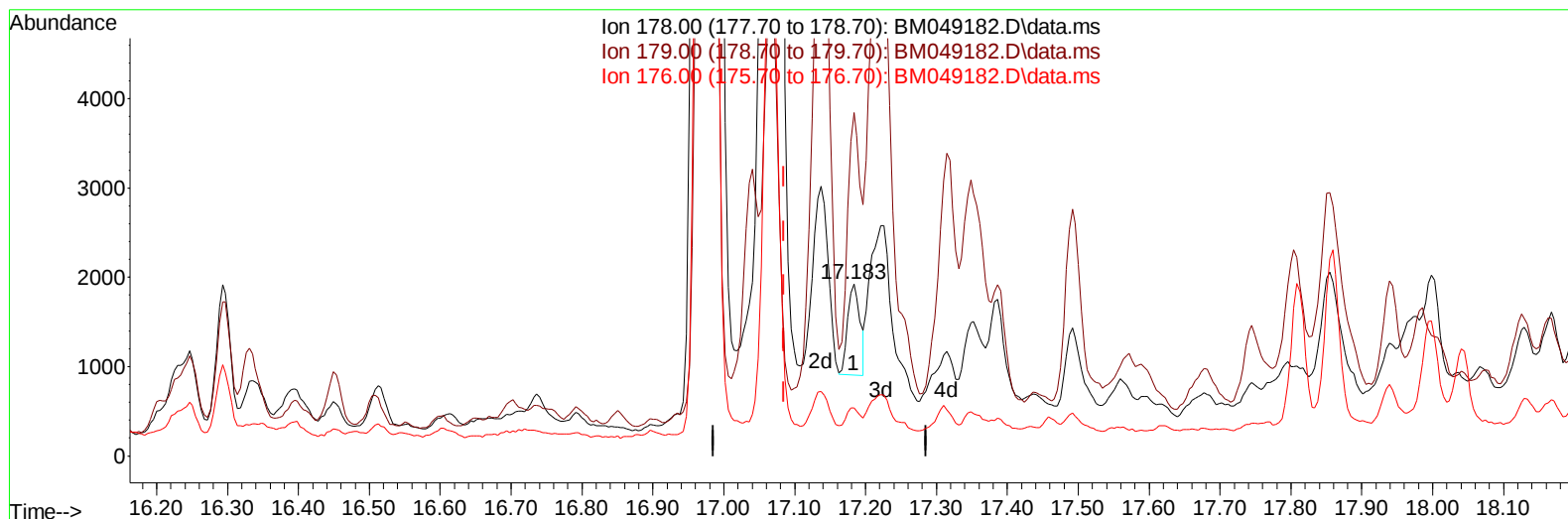
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(16) Anthracene

17.183min (+ 0.098) 0.02 ng/u1

response 1246

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	199.64#
176.00	19.10	27.99#
0.00	0.00	0.00

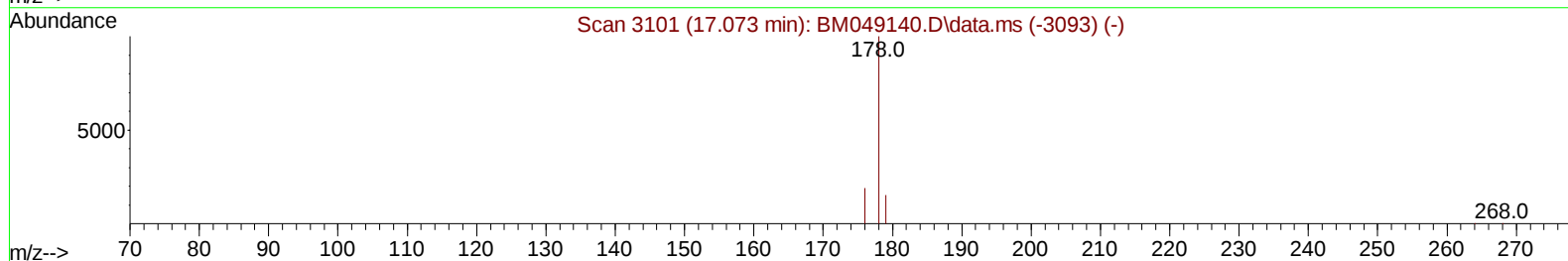
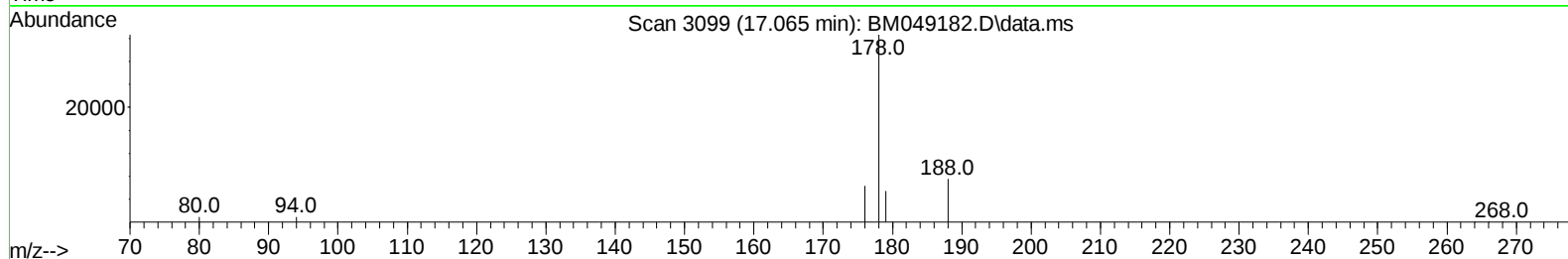
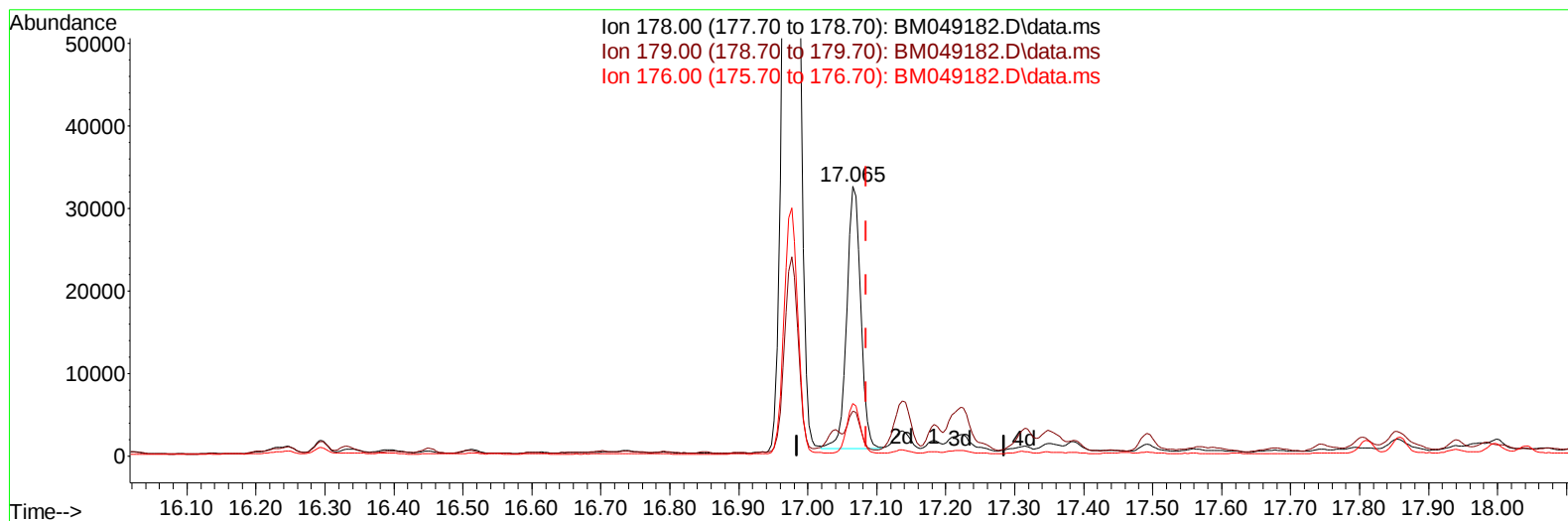
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(16) Anthracene

17.065min (-0.020) 0.58 ng/u1 m

response 44223

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.74
176.00	19.10	19.49
0.00	0.00	0.00

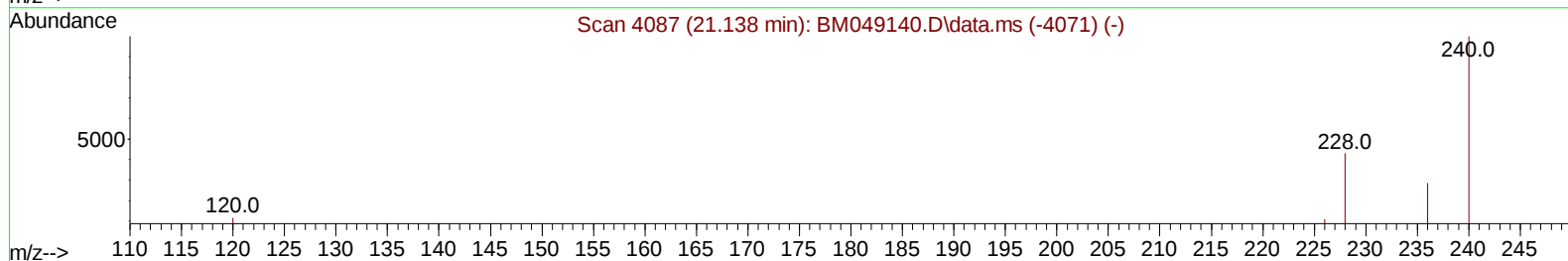
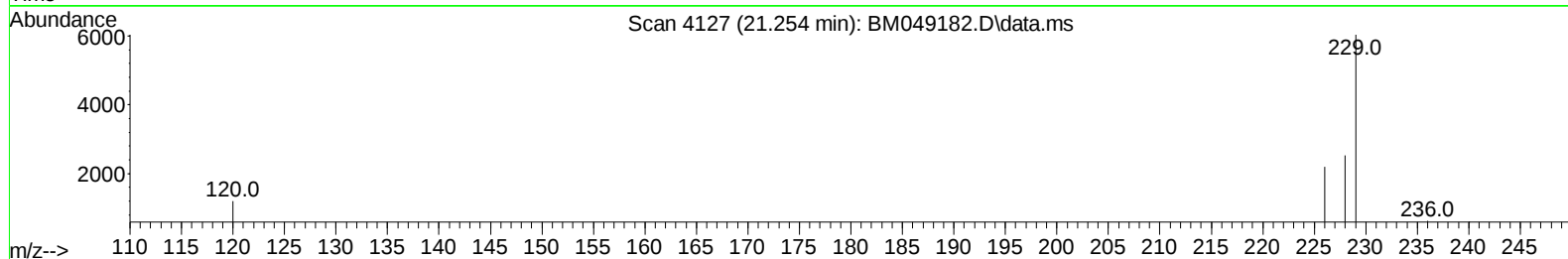
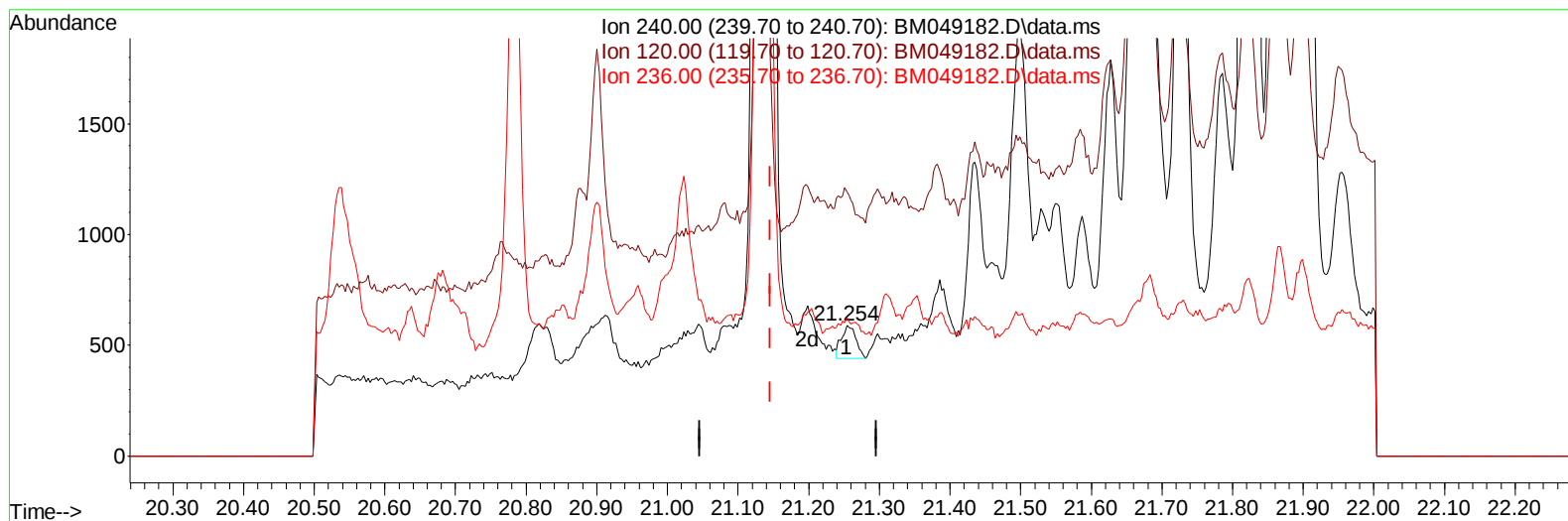
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
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TIC: BM049182.D\data.ms

(17) Chrysene-d12

21.254min (+ 0.108) 0.40 ng/u1

response 213

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	202.55#
236.00	29.80	105.77#
0.00	0.00	0.00

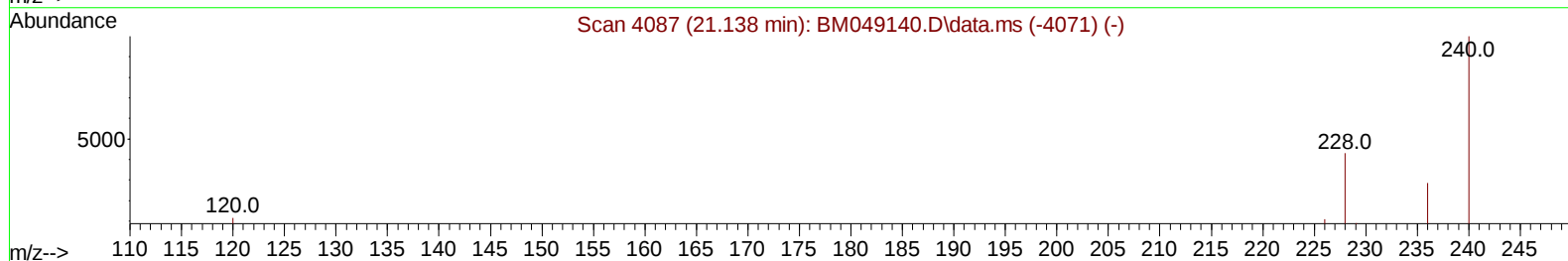
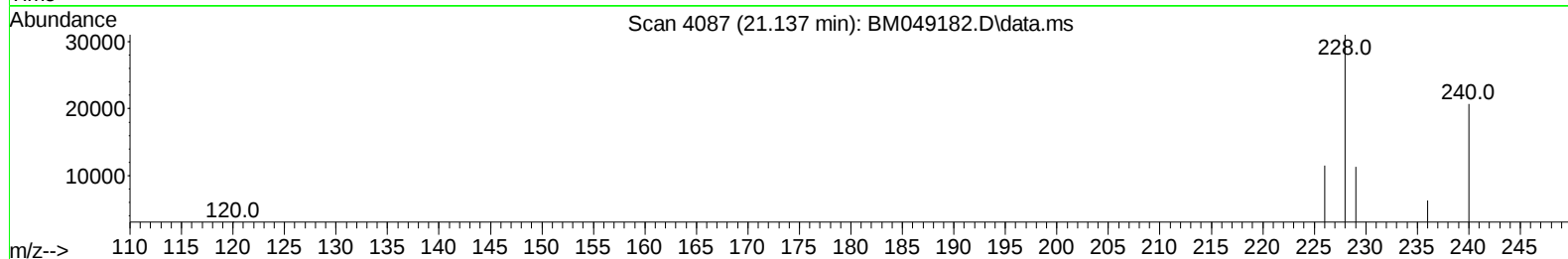
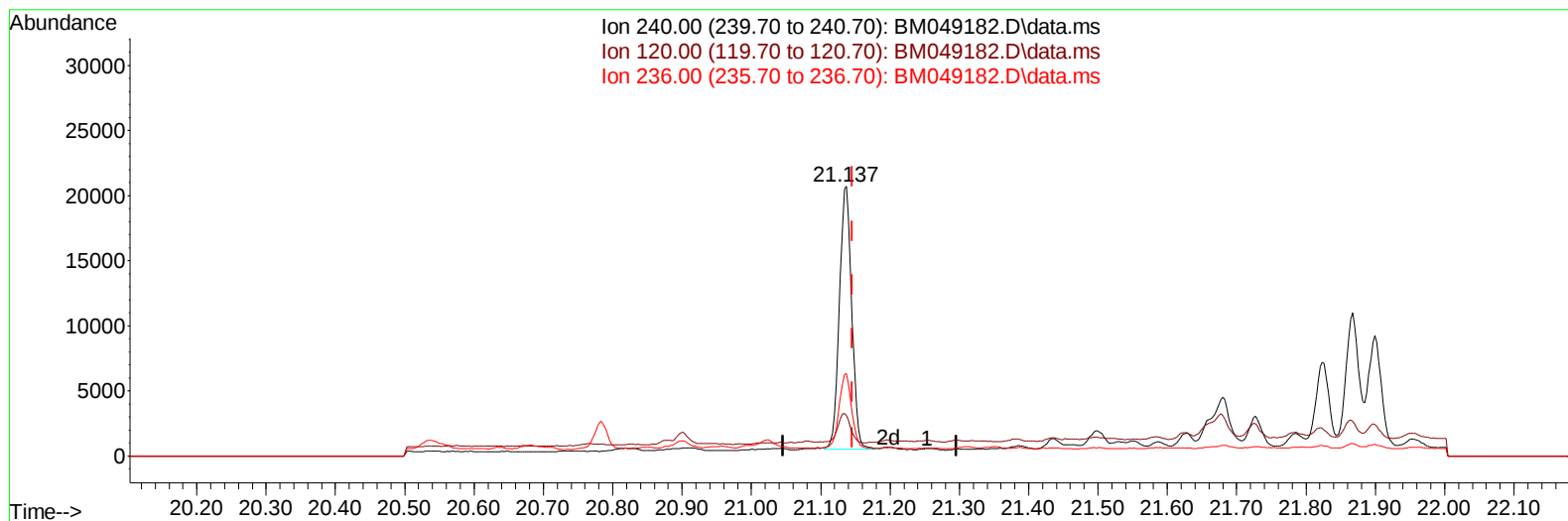
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(17) Chrysene-d12

21.137min (-0.009) 0.40 ng/u1 m

response 25137

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	14.96
236.00	29.80	30.66
0.00	0.00	0.00

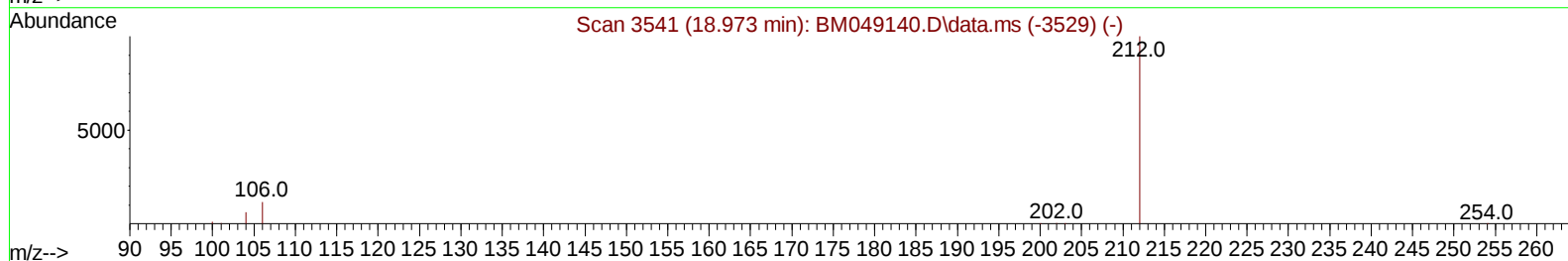
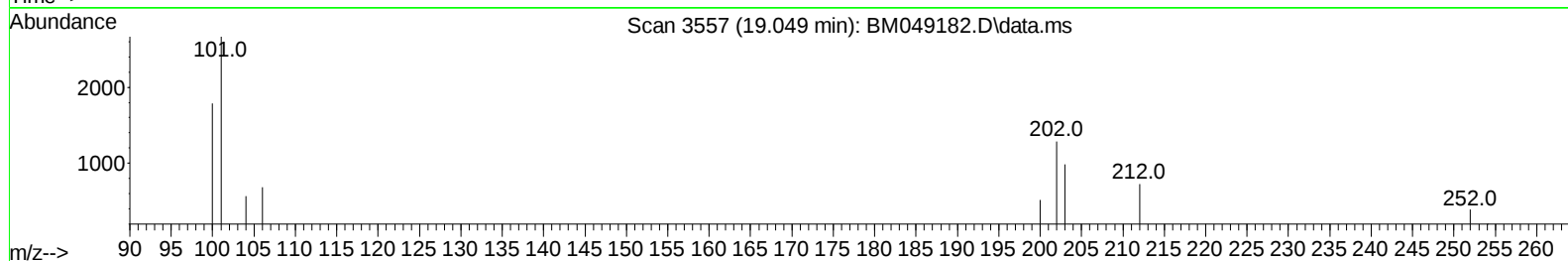
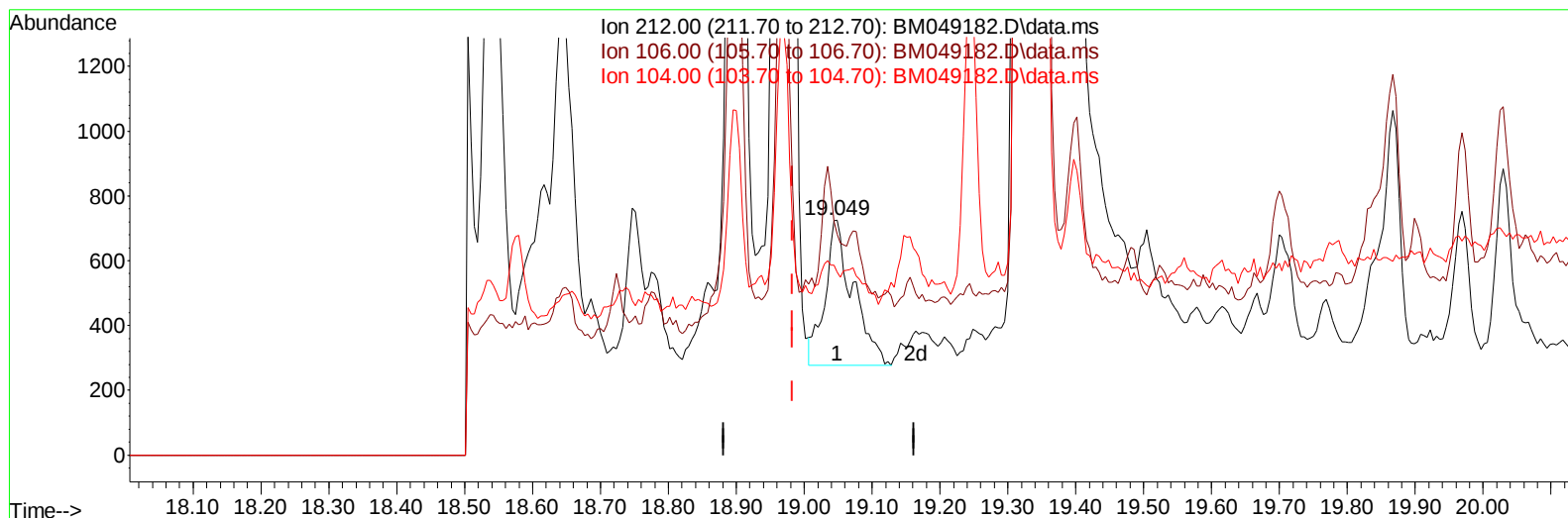
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.049min (+ 0.066) 0.02 ng/u1

response 1287

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	48.64#
104.00	6.50	37.53#
0.00	0.00	0.00

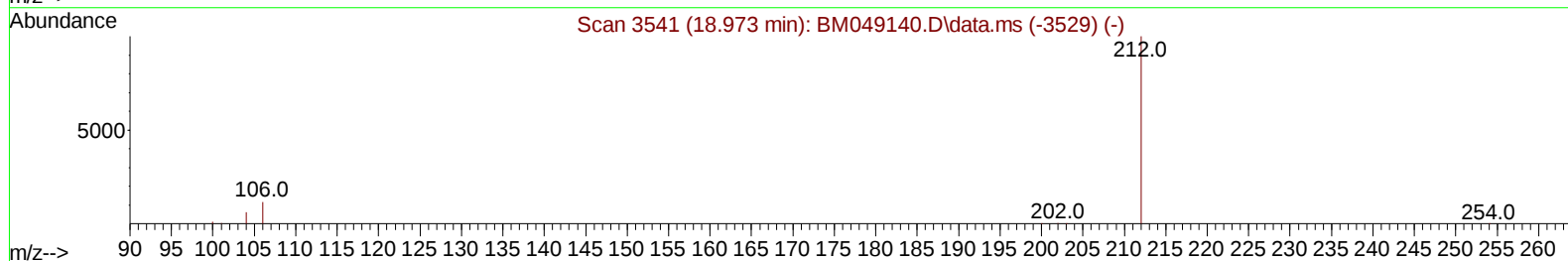
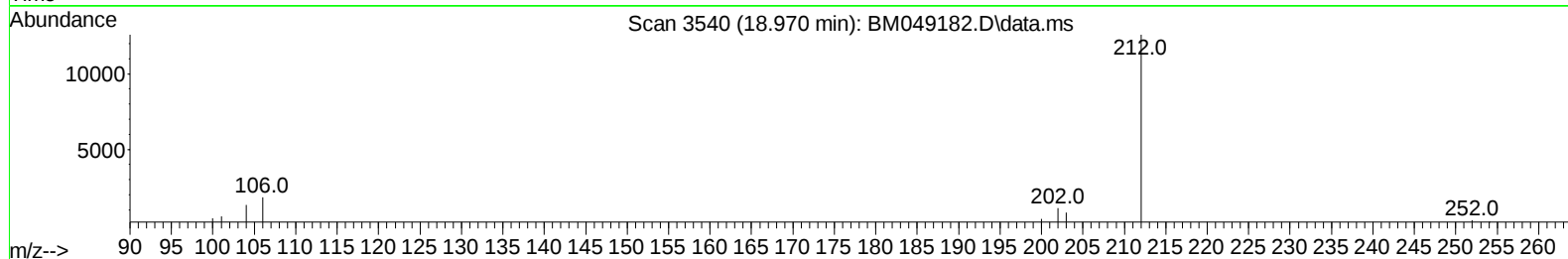
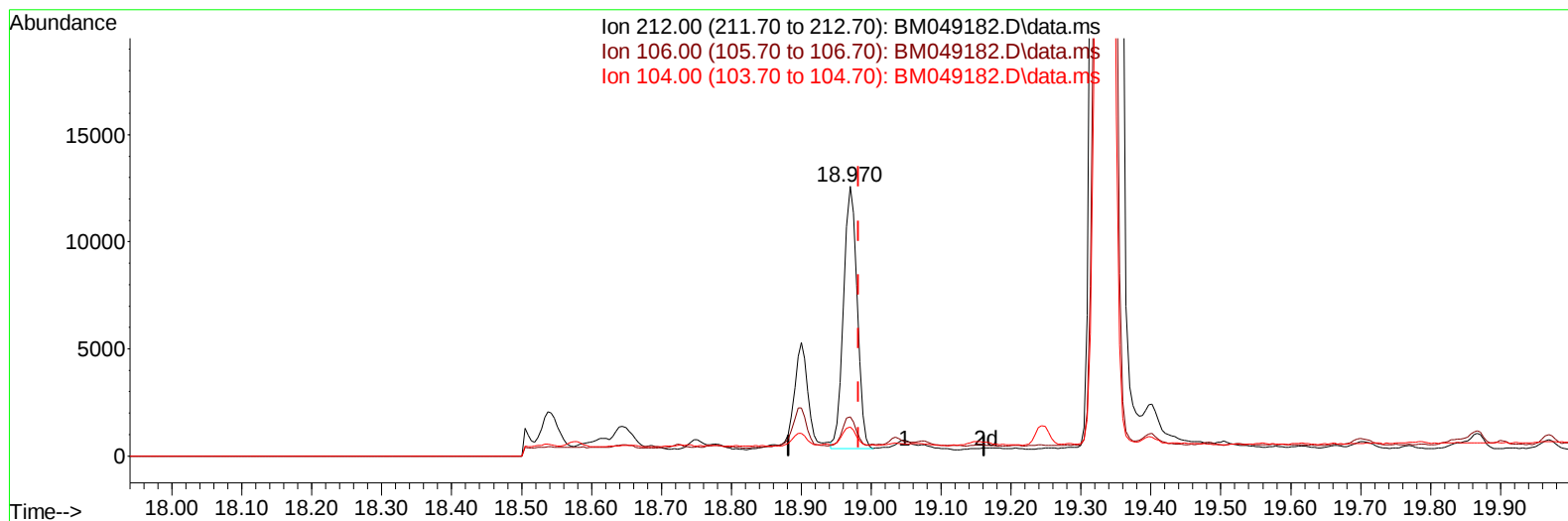
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.970min (-0.013) 0.23 ng/u1 m

response 16343

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	3.83#
104.00	6.50	2.96#
0.00	0.00	0.00

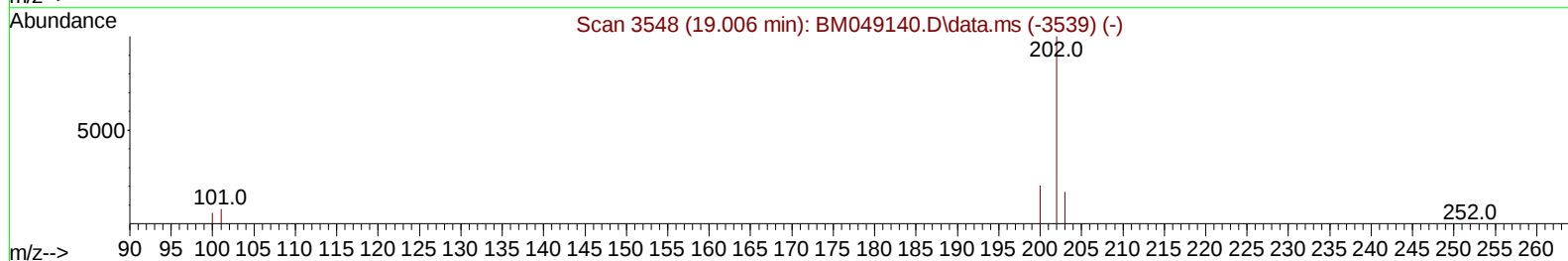
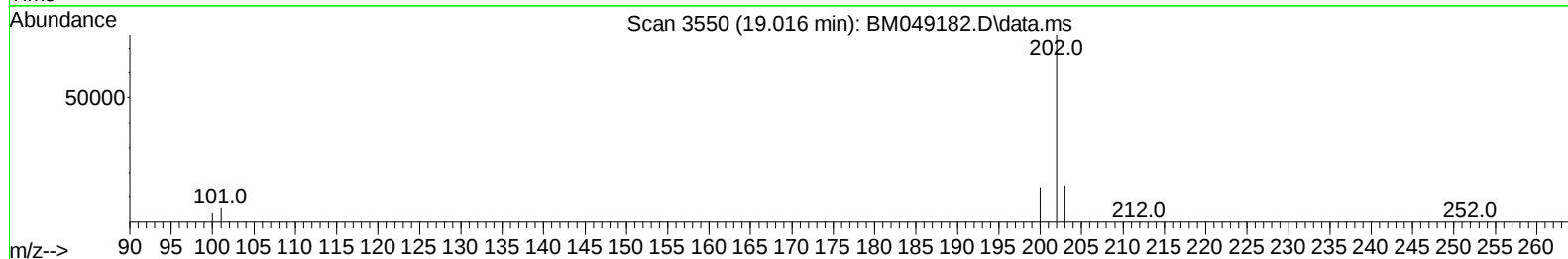
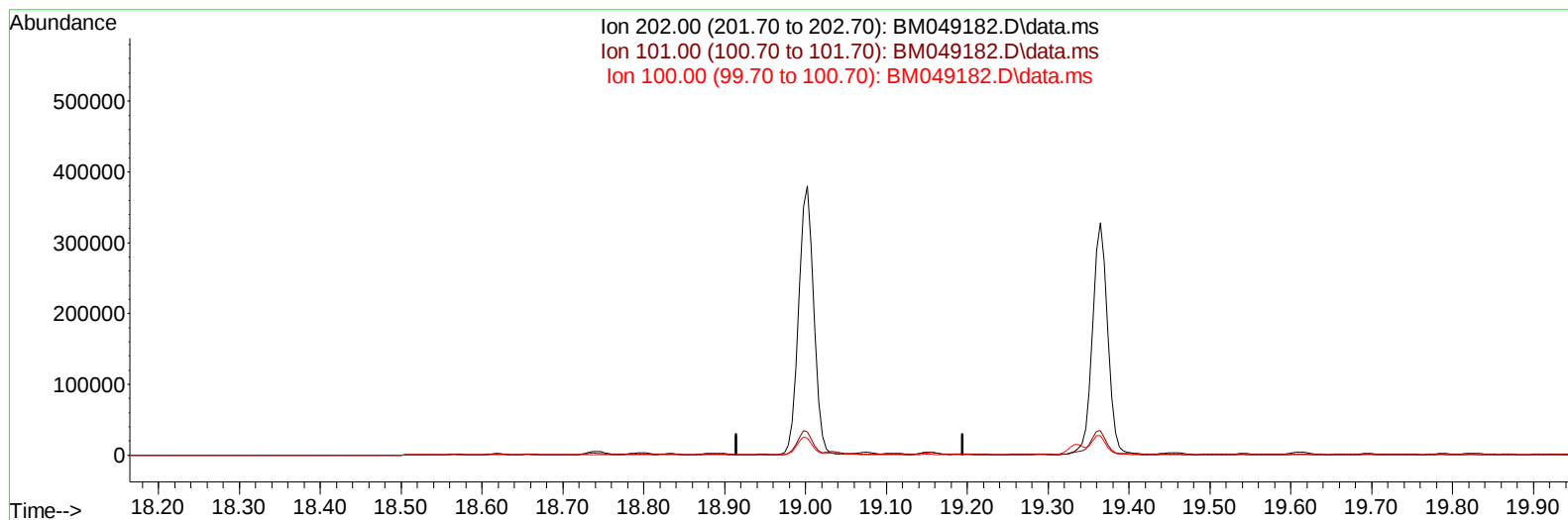
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.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

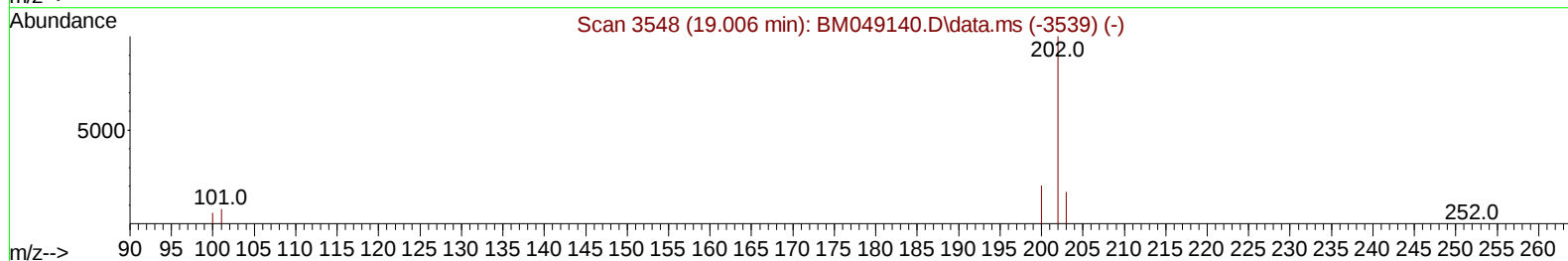
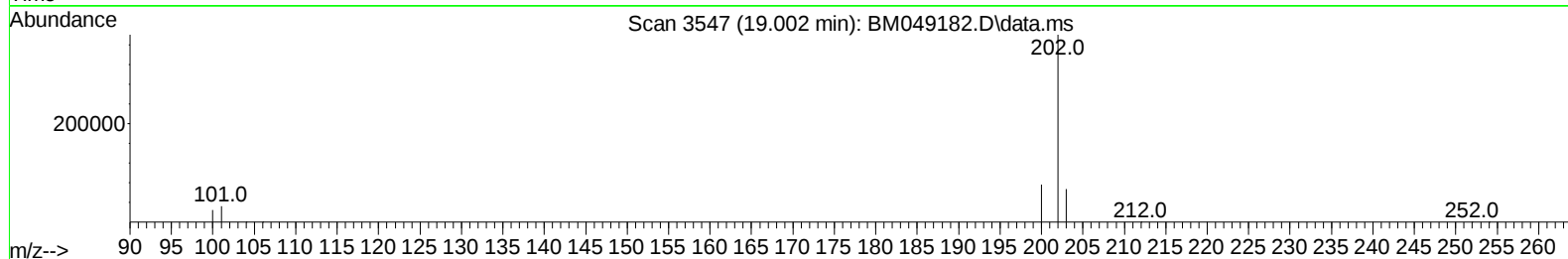
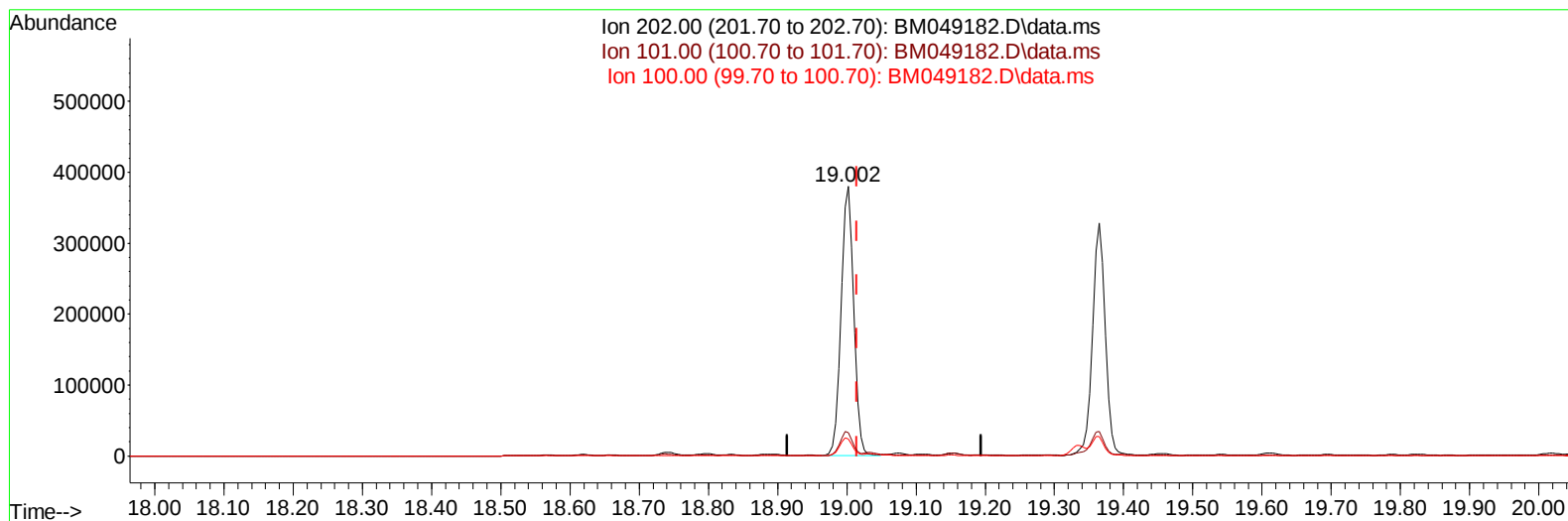
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:40:28 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: BM049182.D\data.ms

(19) Fluoranthene (C)**19.002min (-0.013) 5.36 ng/ul m****response 487567**

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	8.66
100.00	6.90	6.33
0.00	0.00	0.00

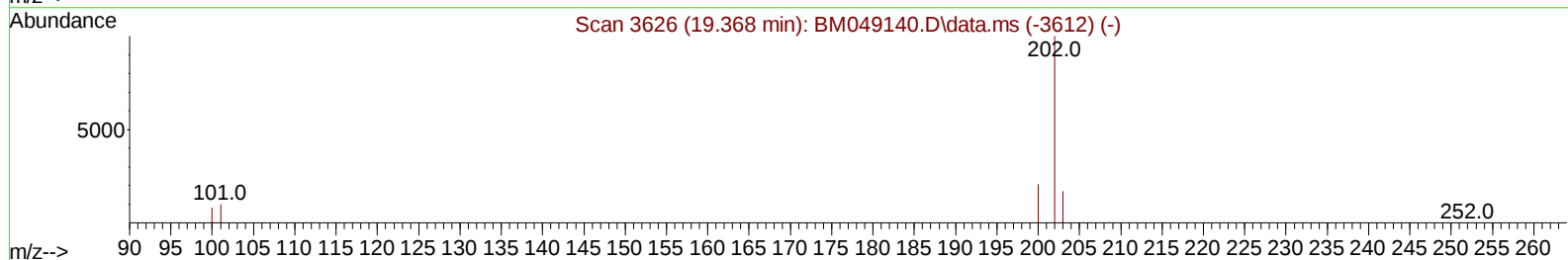
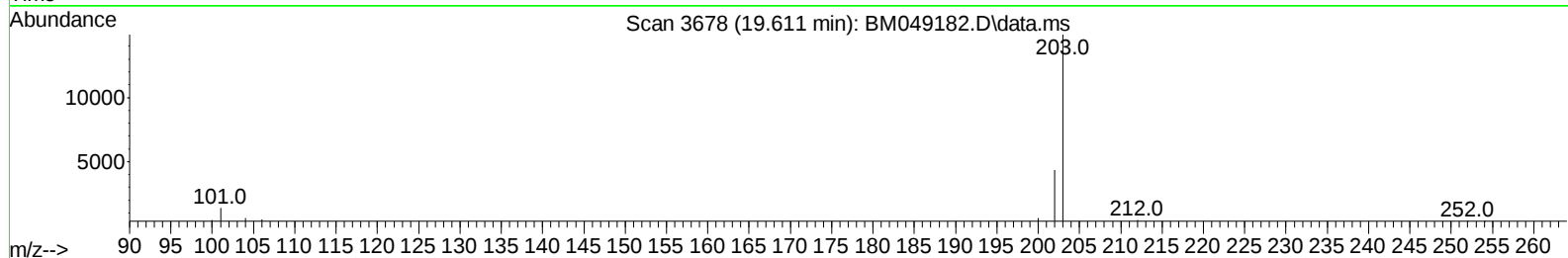
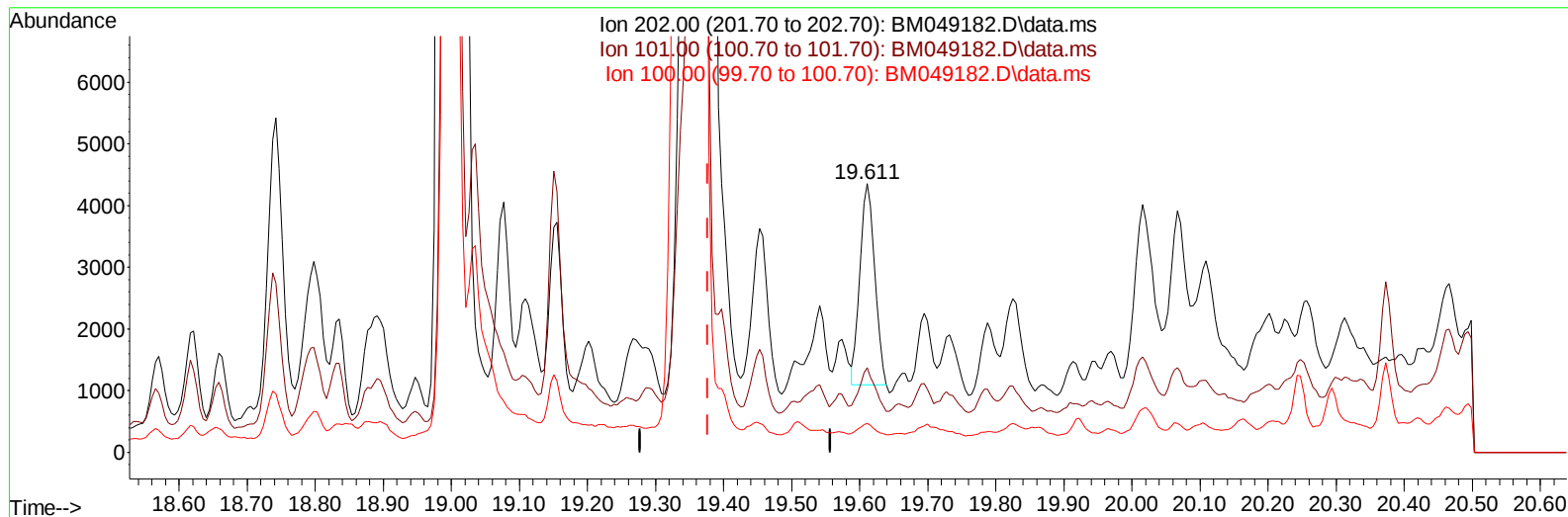
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(20) Pyrene

19.611min (+ 0.234) 0.05 ng/u1

response 4924

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	31.46#
100.00	8.60	10.73#
0.00	0.00	0.00

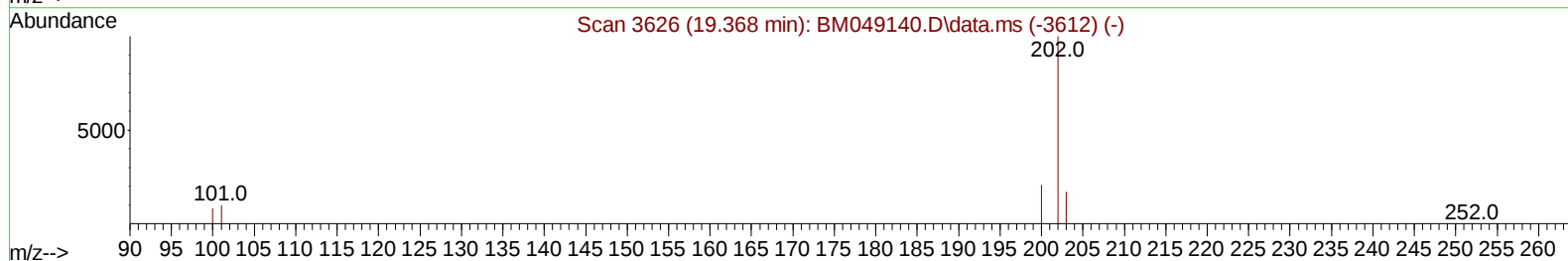
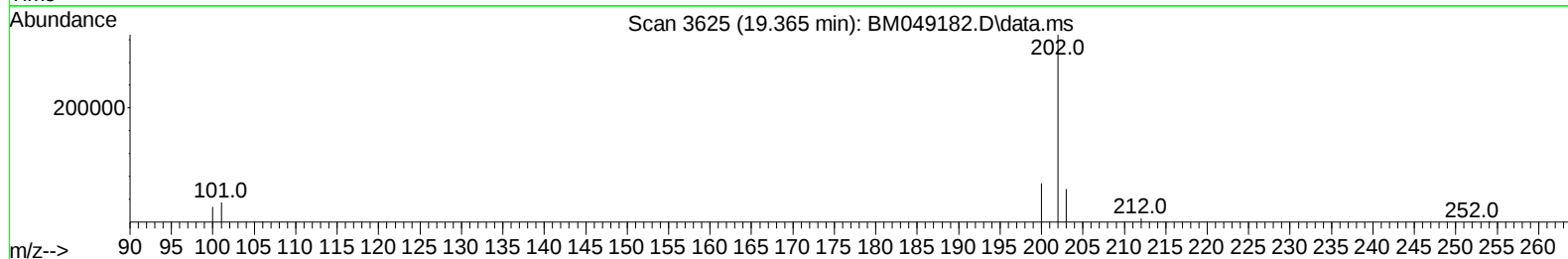
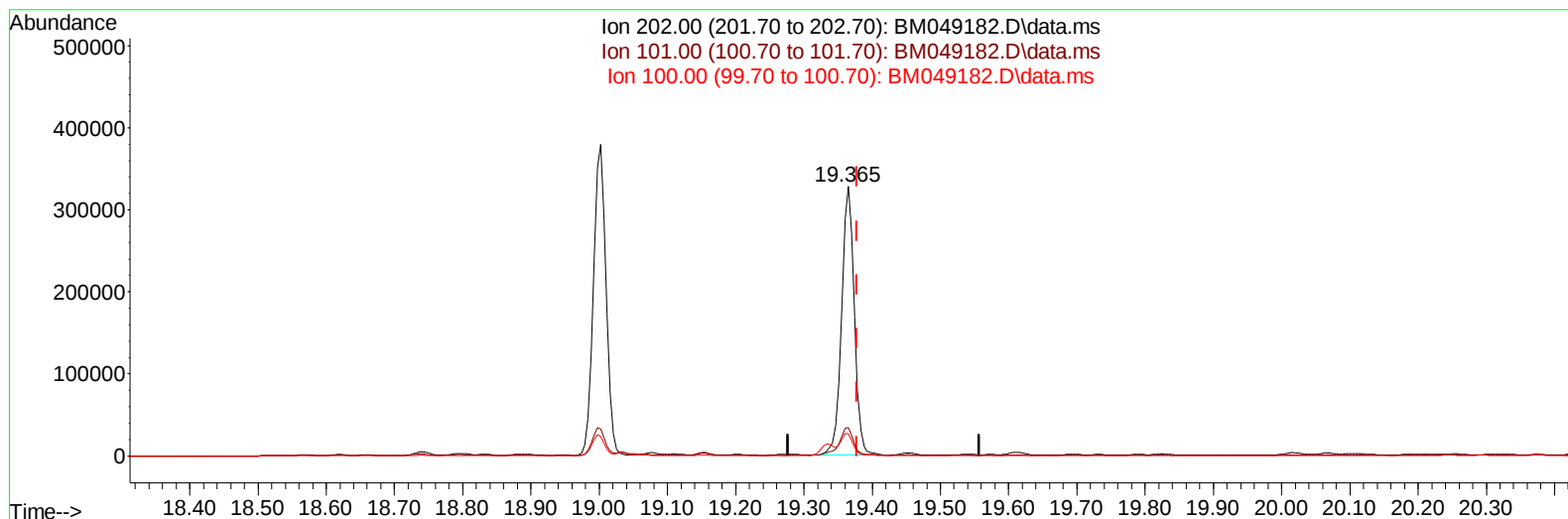
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(20) Pyrene

19.365min (-0.013) 4.40 ng/ul m

response 426889

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.42
100.00	8.60	8.26
0.00	0.00	0.00

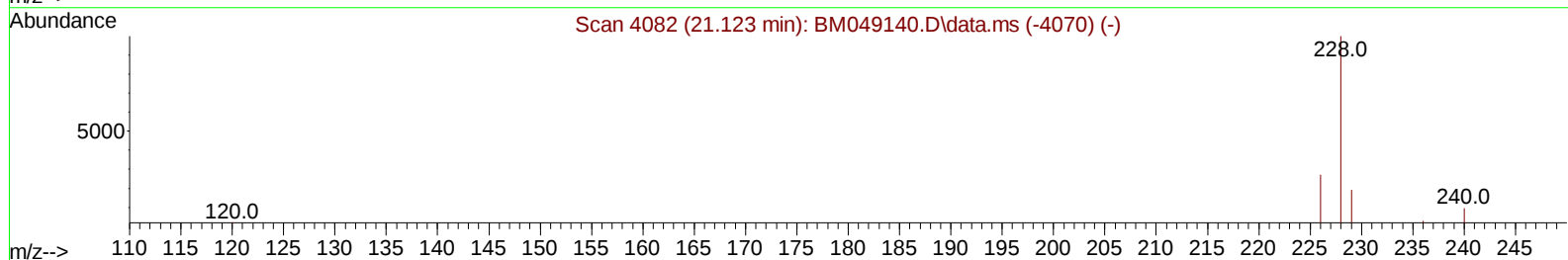
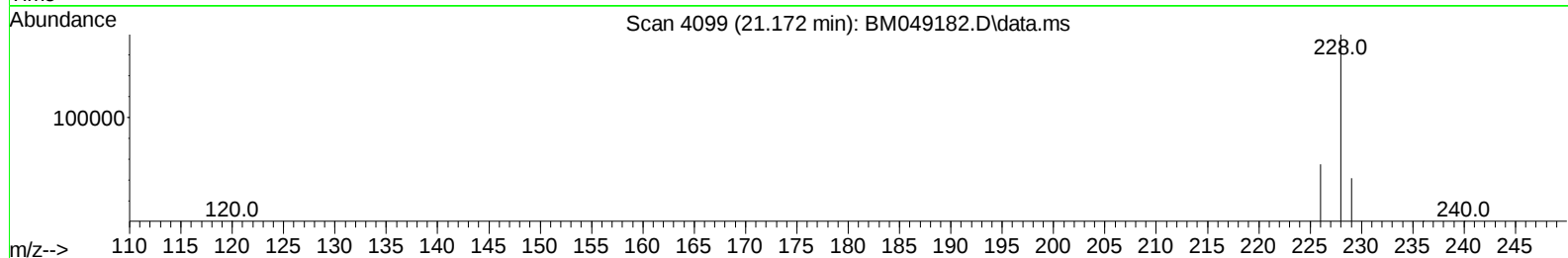
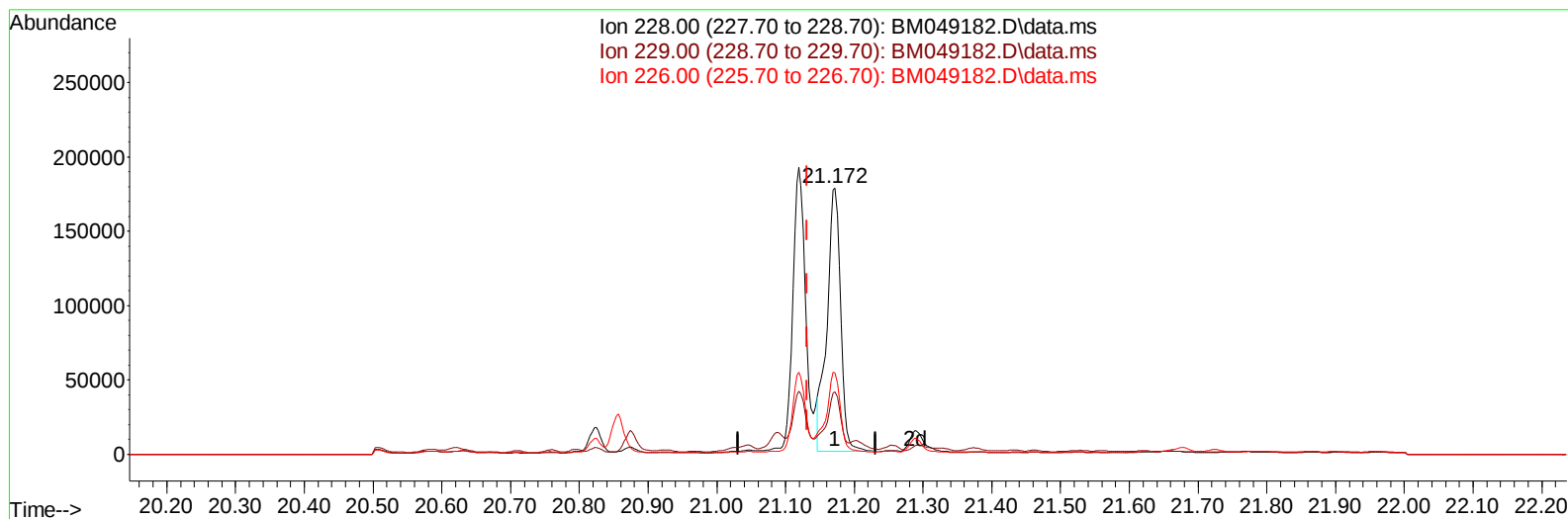
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(21) Benzo(a)anthracene

21.172min (+ 0.041) 2.82 ng/u1

response 246454

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.35
226.00	28.30	30.65
0.00	0.00	0.00

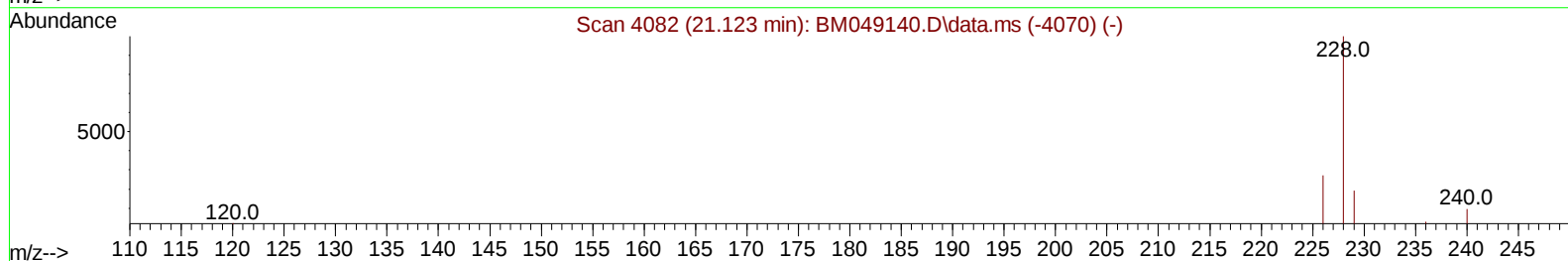
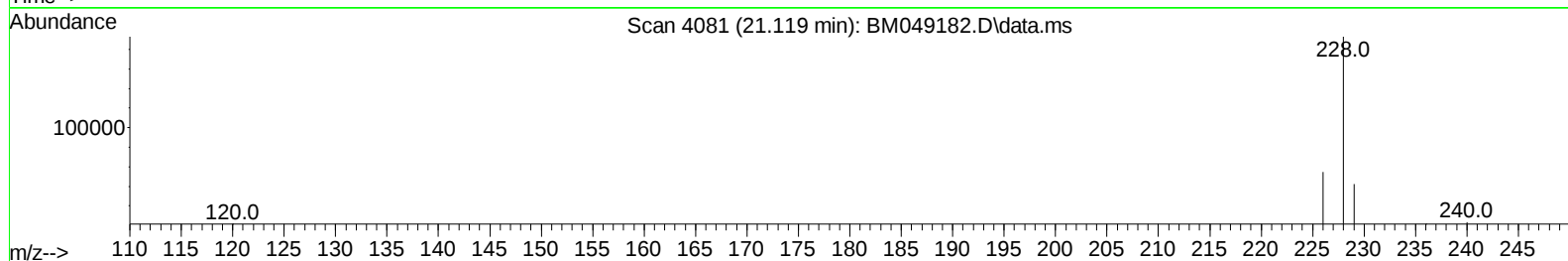
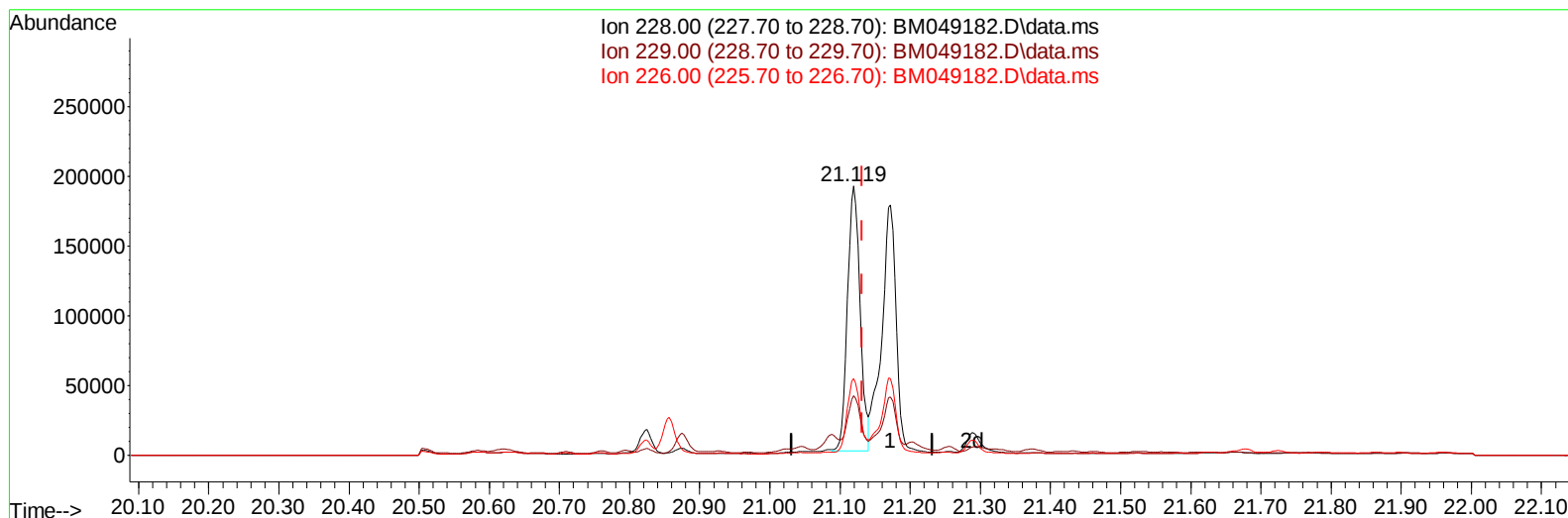
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(21) Benzo(a)anthracene

21.119min (-0.012) 2.71 ng/u1 m

response 236885

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	22.05
226.00	28.30	28.50
0.00	0.00	0.00

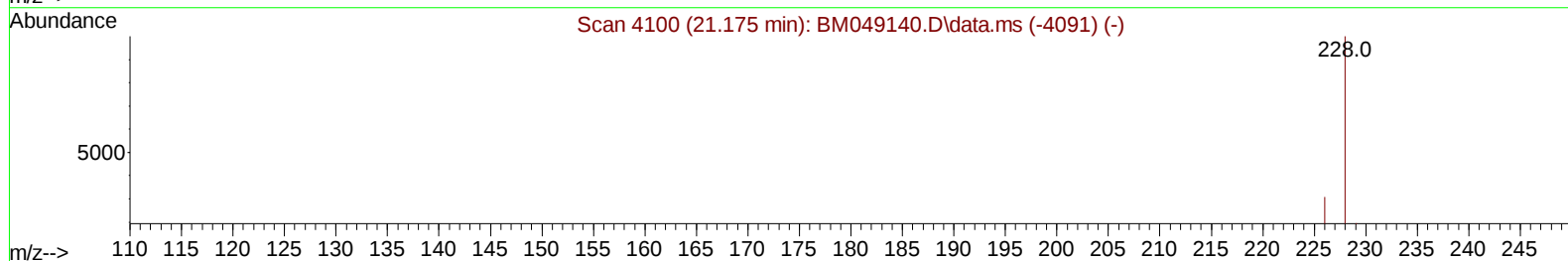
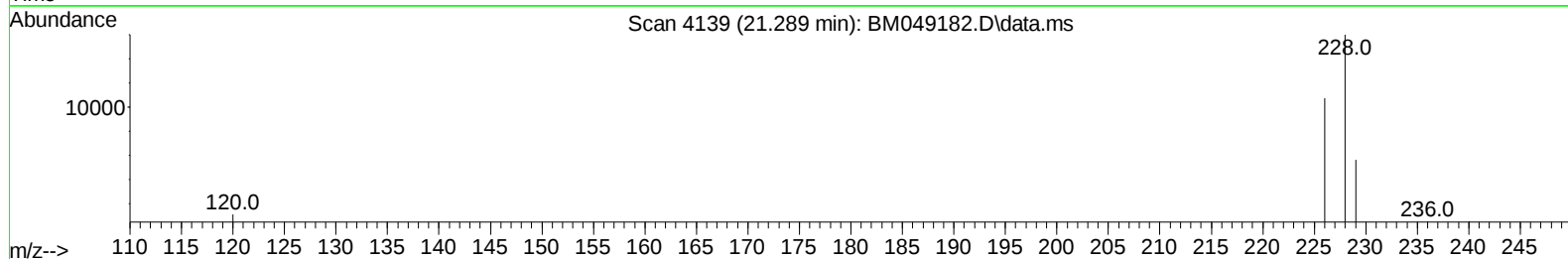
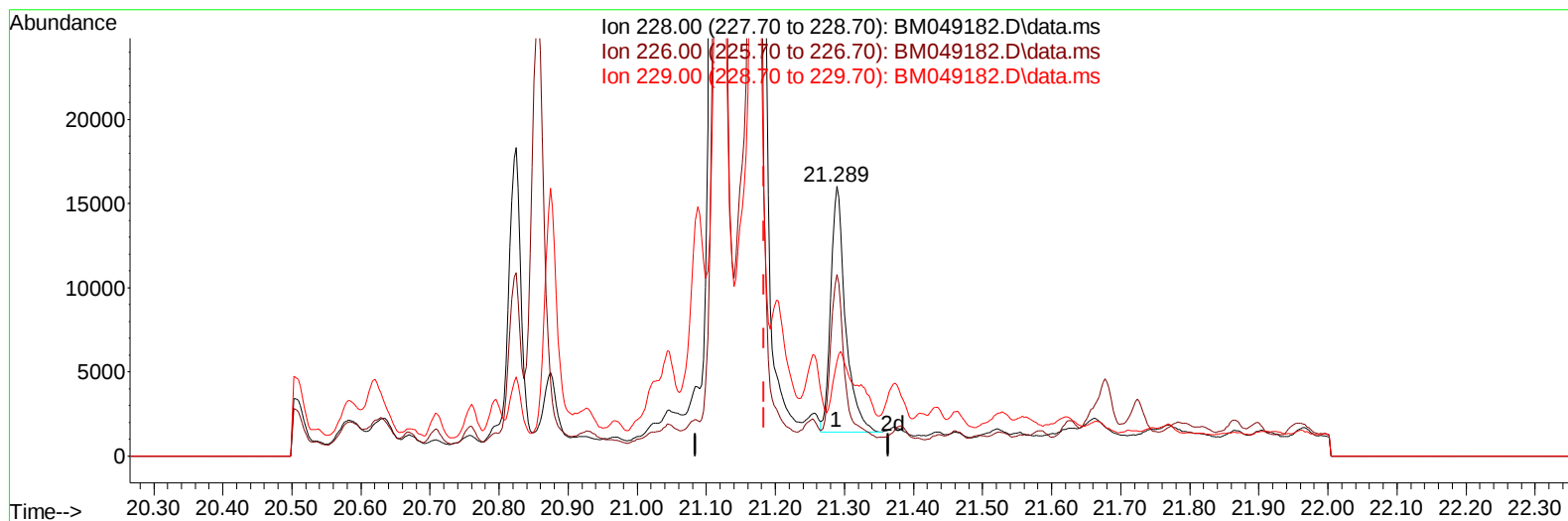
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(22) Chrysene

21.289min (+ 0.105) 0.23 ng/u1

response 21565

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	67.30#
229.00	19.80	35.14#
0.00	0.00	0.00

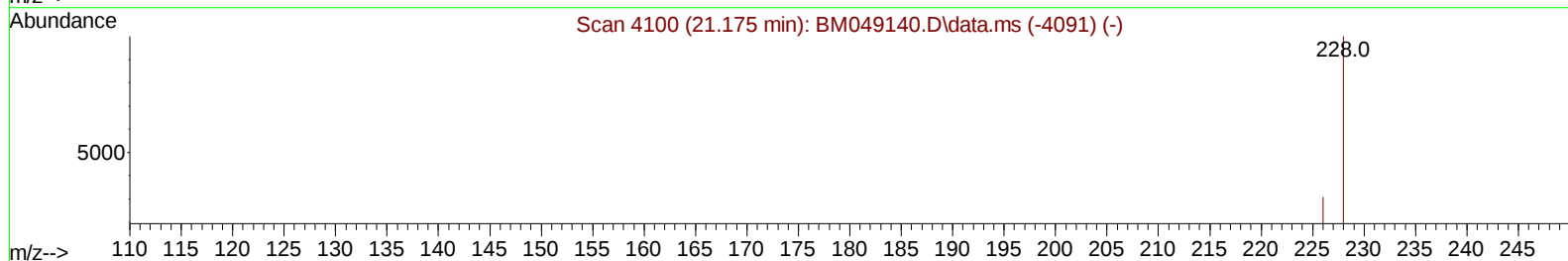
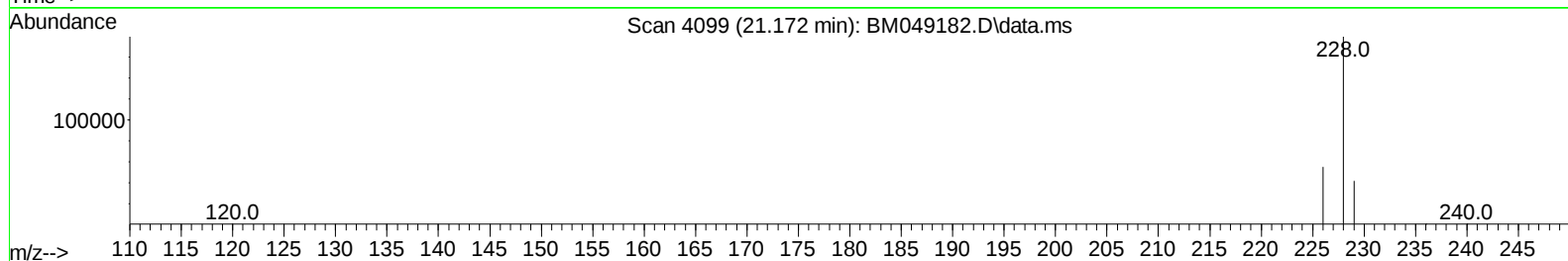
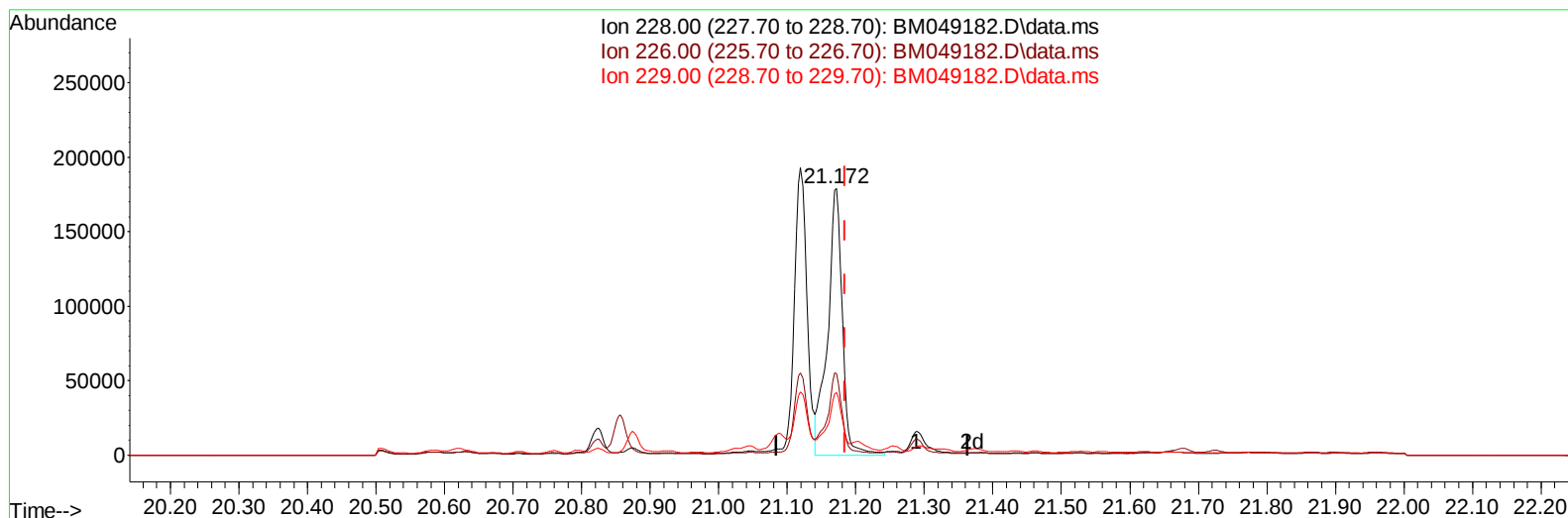
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(22) Chrysene

21.172min (-0.012) 2.88 ng/ul m

response 270247

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.65
229.00	19.80	23.35
0.00	0.00	0.00

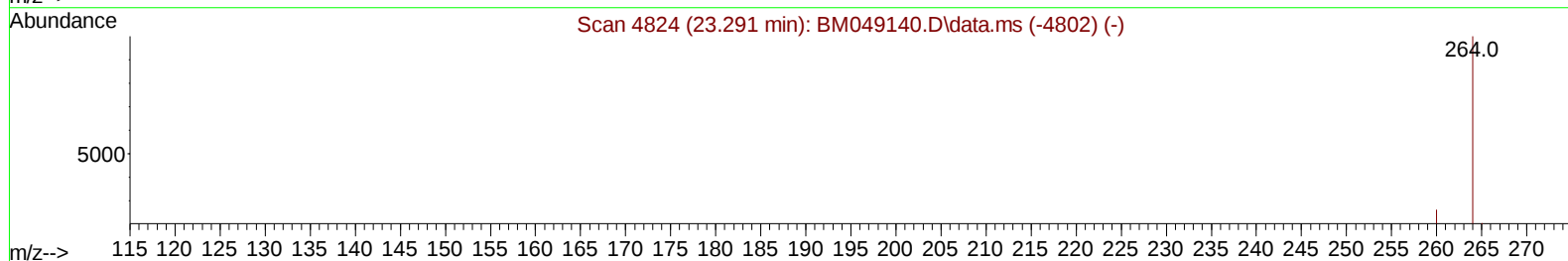
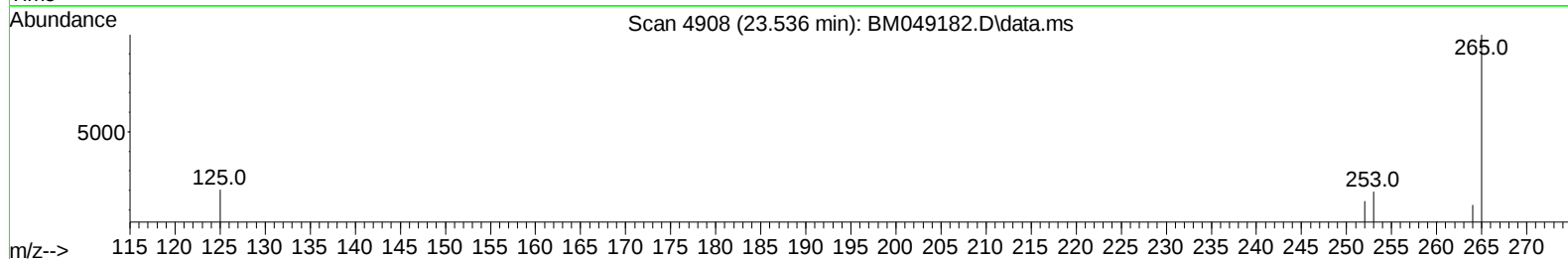
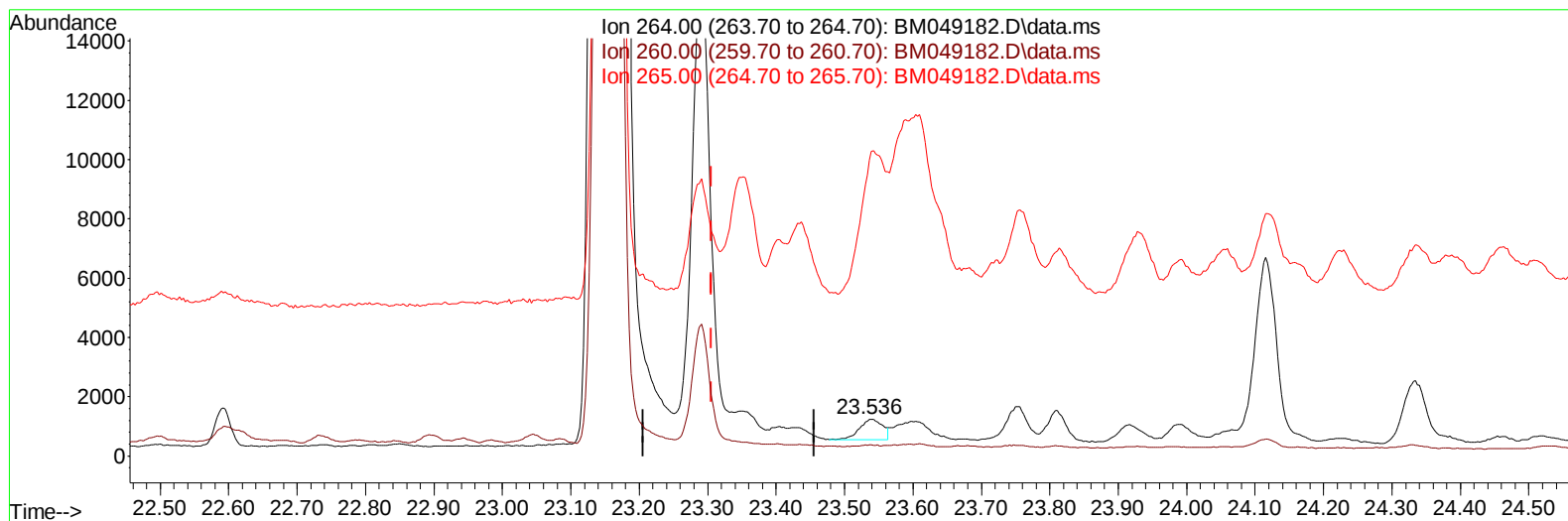
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(23) Perylene-d12 (I)

23.536min (+ 0.231) 0.40 ng/u1

response 1667

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	30.16
265.00	78.30	804.11#
0.00	0.00	0.00

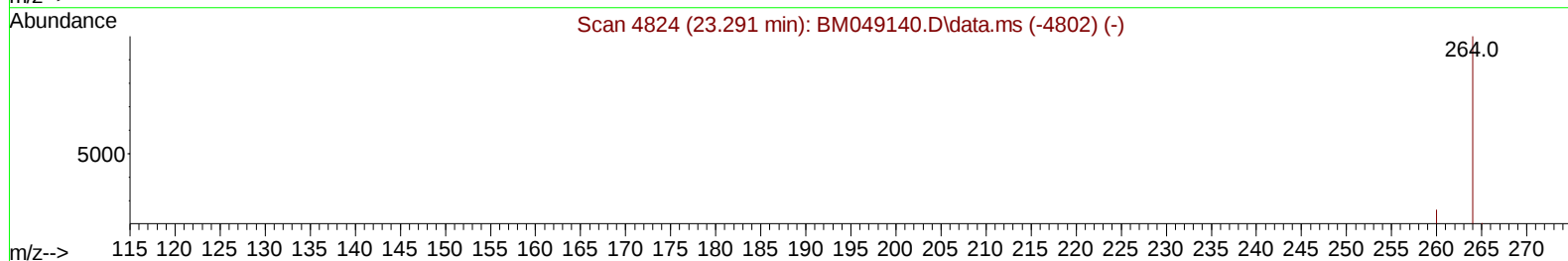
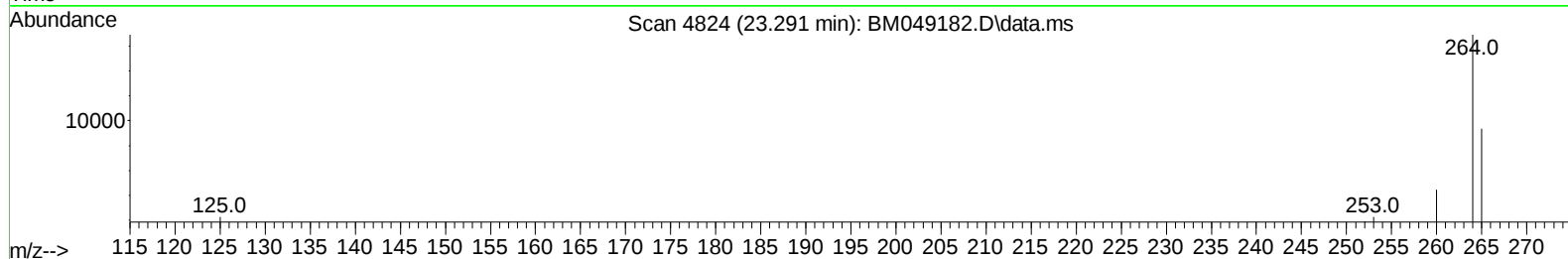
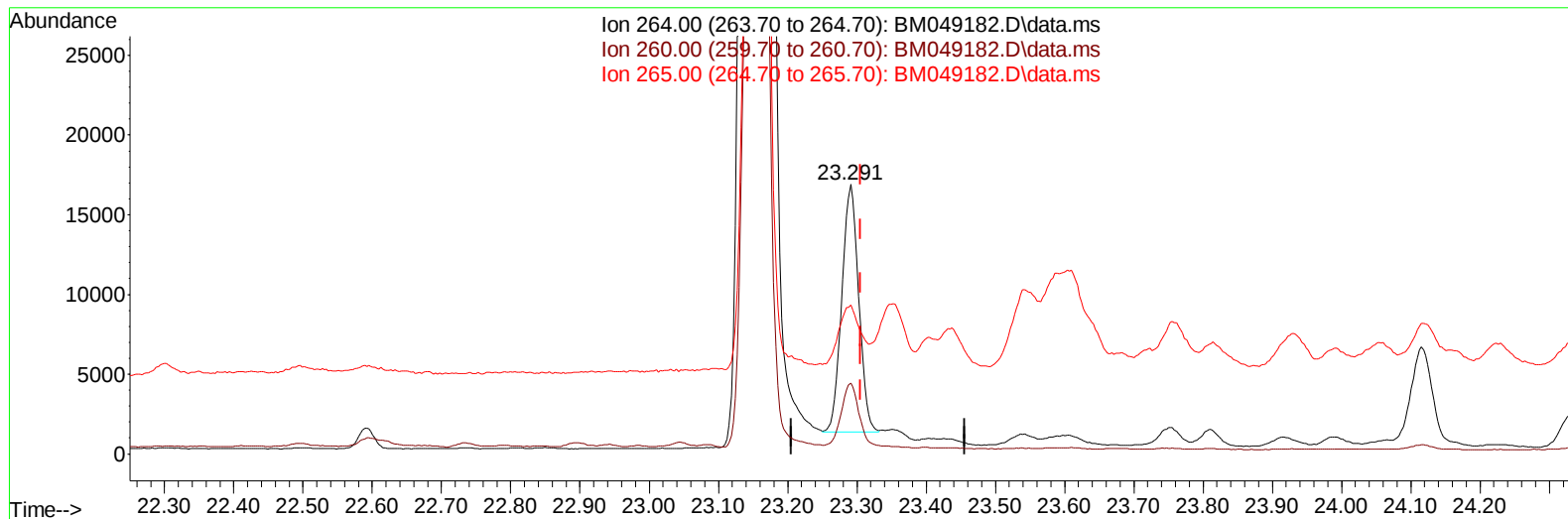
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(23) Perylene-d12 (I)

23.291min (-0.015) 0.40 ng/ul m

response 26267

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.30
265.00	78.30	55.37#
0.00	0.00	0.00

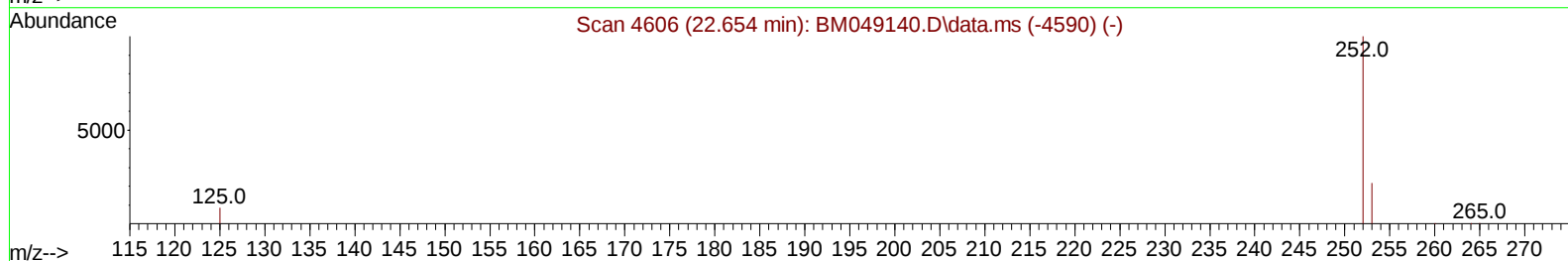
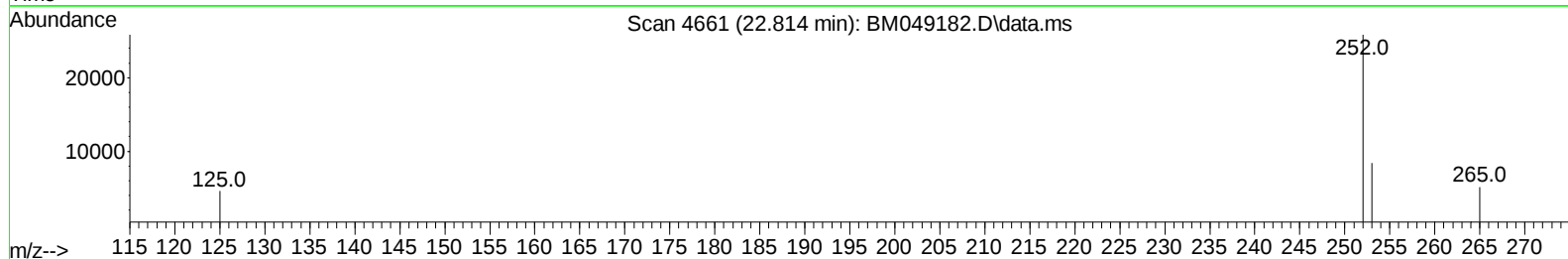
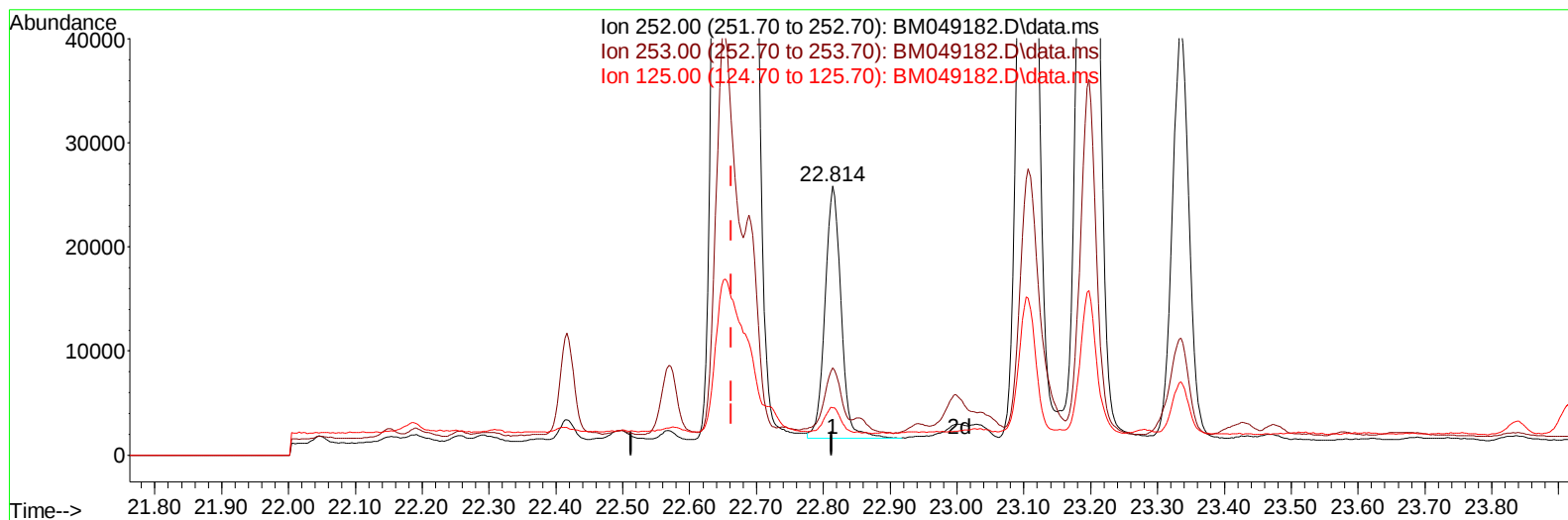
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(24) Benzo(b)fluoranthene

22.814min (+ 0.152) 0.49 ng/u1

response 40705

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.40
125.00	15.40	17.69
0.00	0.00	0.00

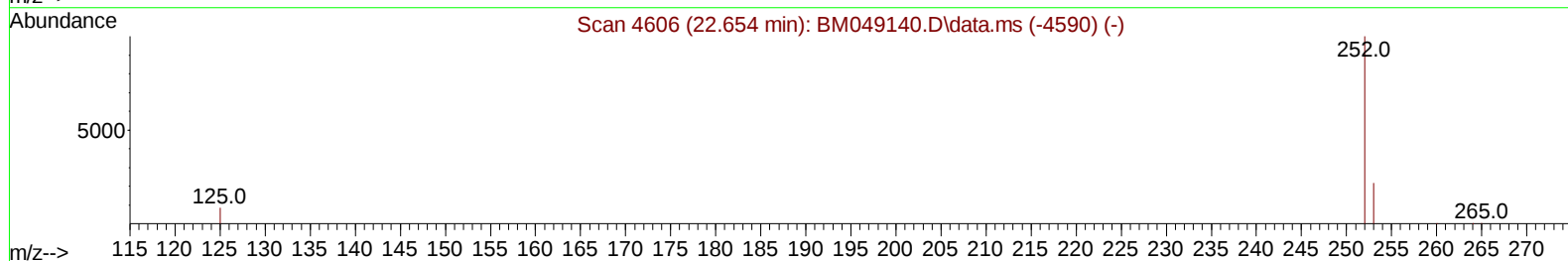
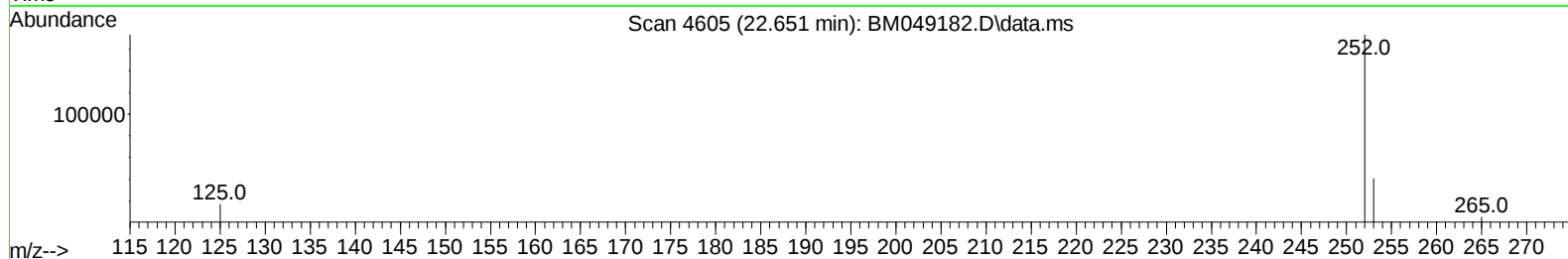
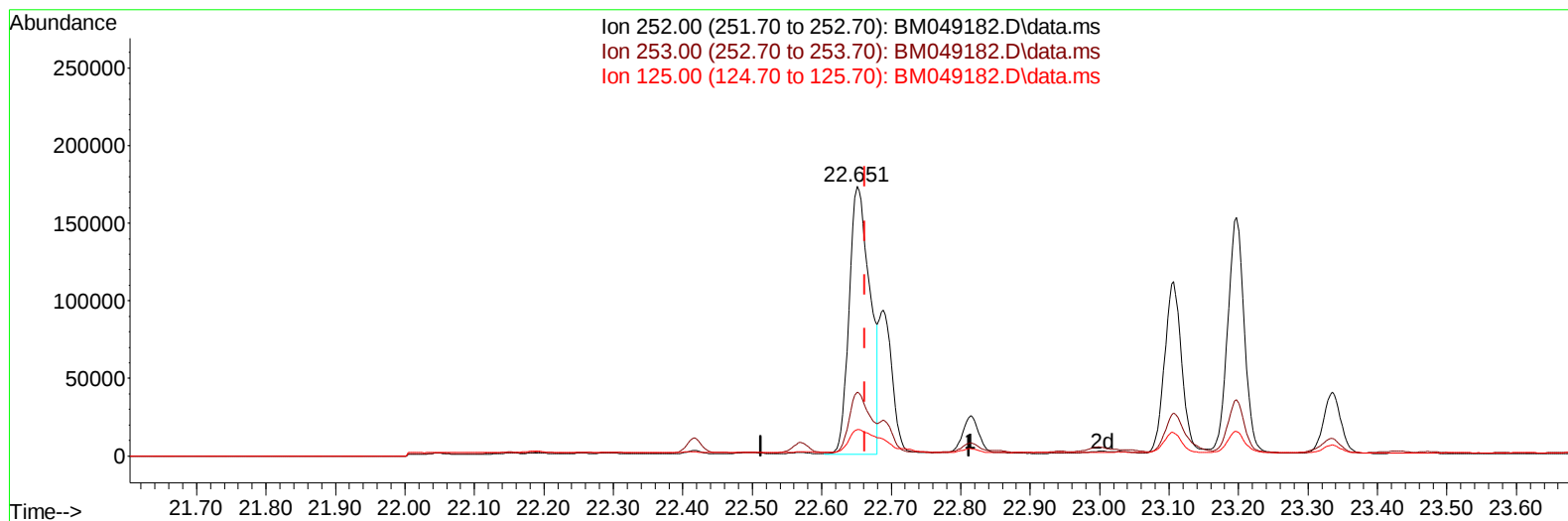
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(24) Benzo(b)fluoranthene

22.651min (-0.012) 4.33 ng/u1 m

response 363177

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.70
125.00	15.40	9.71
0.00	0.00	0.00

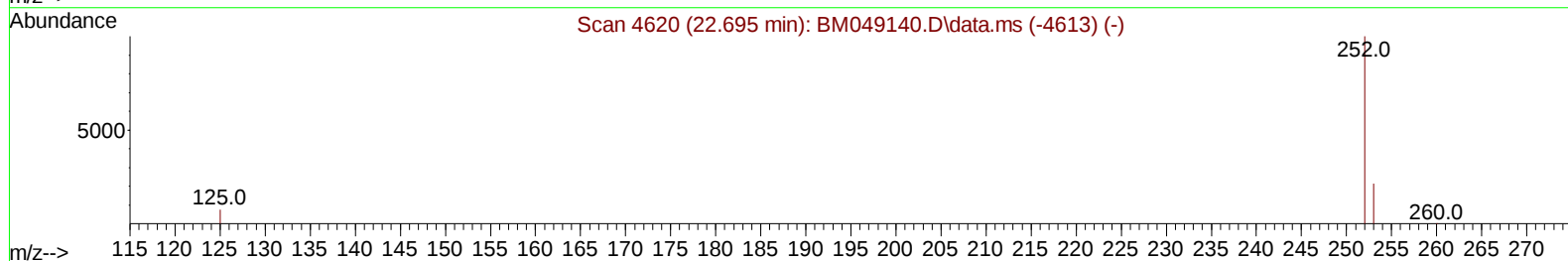
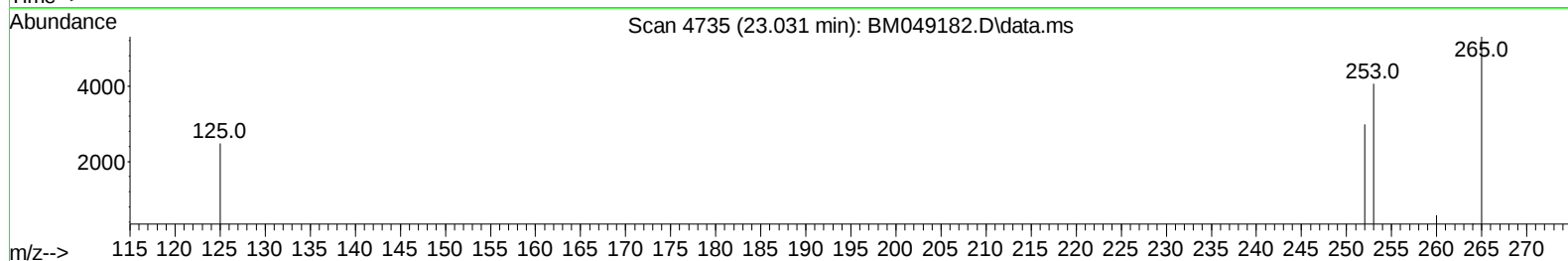
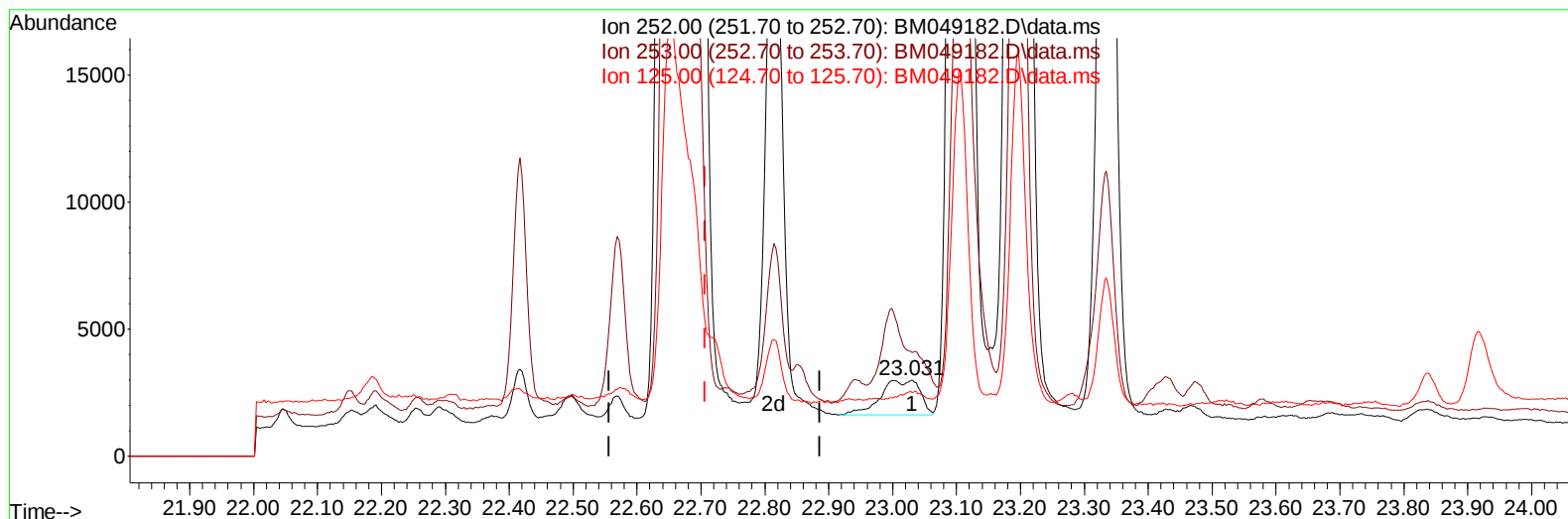
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(25) Benzo(k)fluoranthene

23.031min (+ 0.324) 0.07 ng/u1

response 5992

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	136.05#
125.00	15.70	83.24#
0.00	0.00	0.00

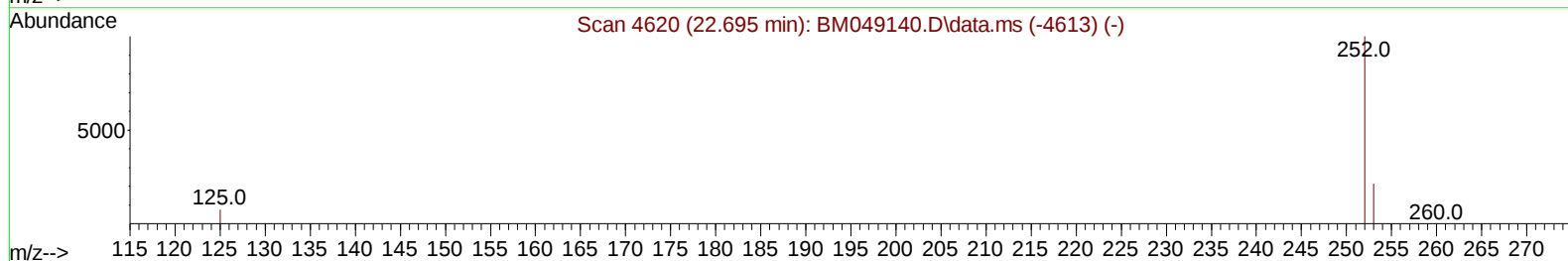
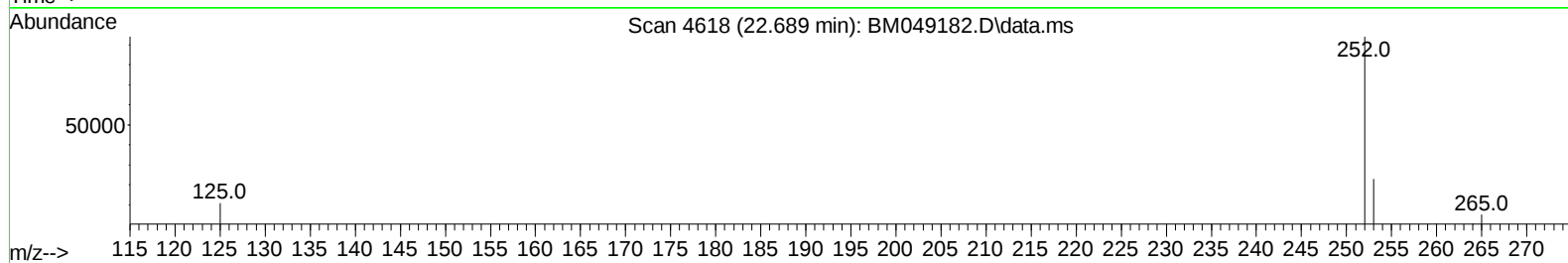
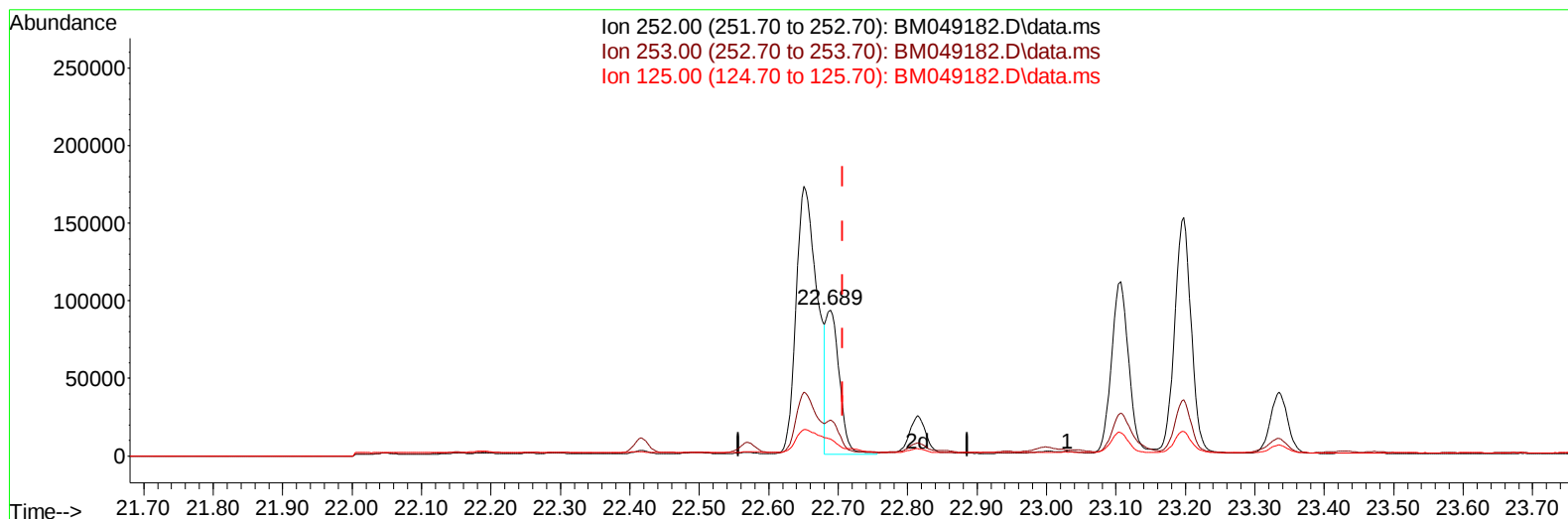
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:40:28 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: BM049182.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.018) 1.36 ng/u1 m

response 124787

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	24.51
125.00	15.70	11.49#
0.00	0.00	0.00

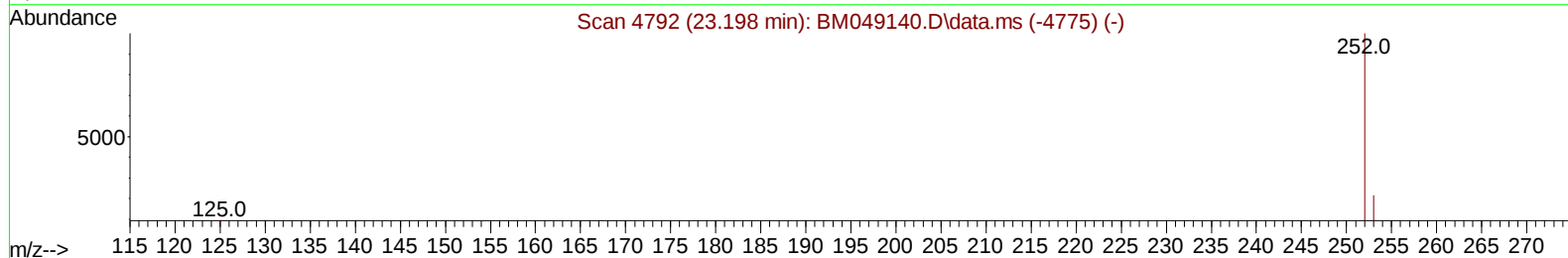
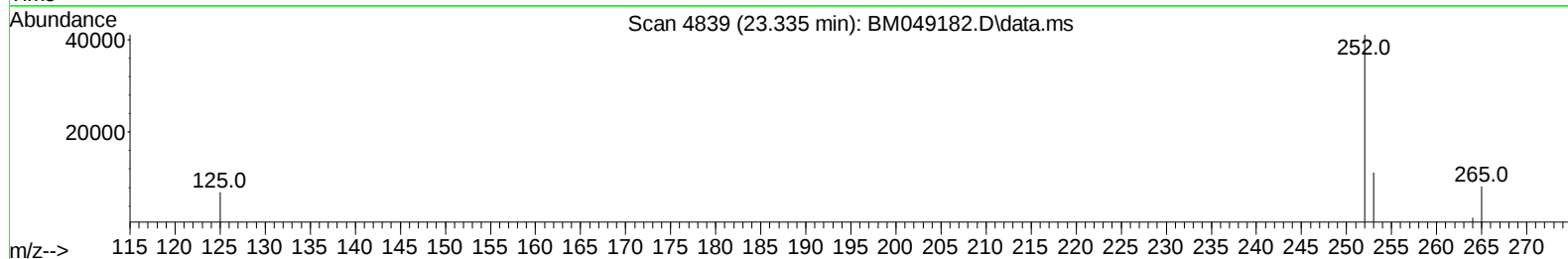
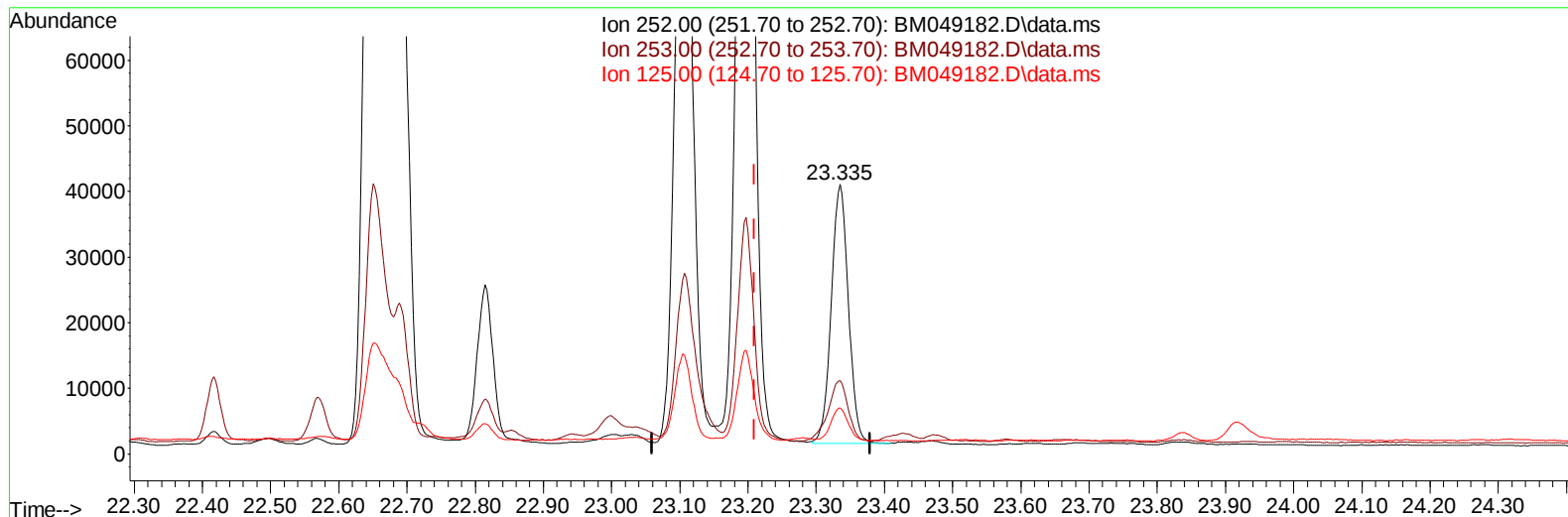
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(26) Benzo(a)pyrene (C)

23.335min (+ 0.125) 0.85 ng/u1

response 68787

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	27.37
125.00	18.50	17.10
0.00	0.00	0.00

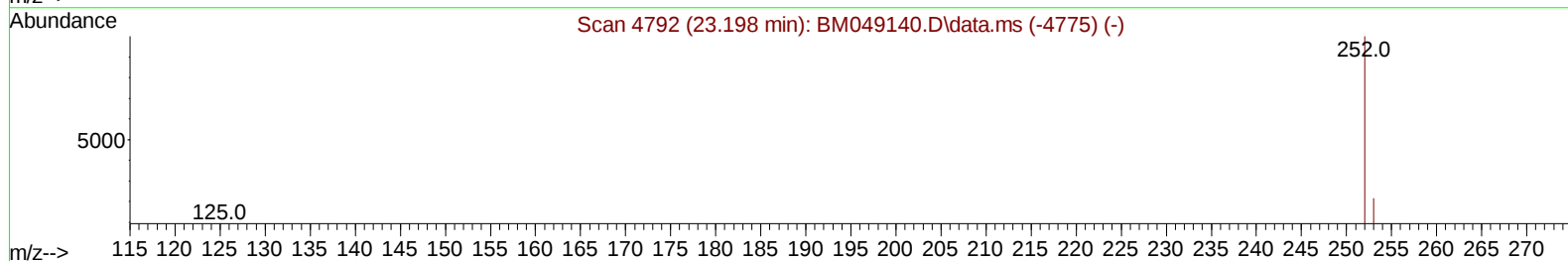
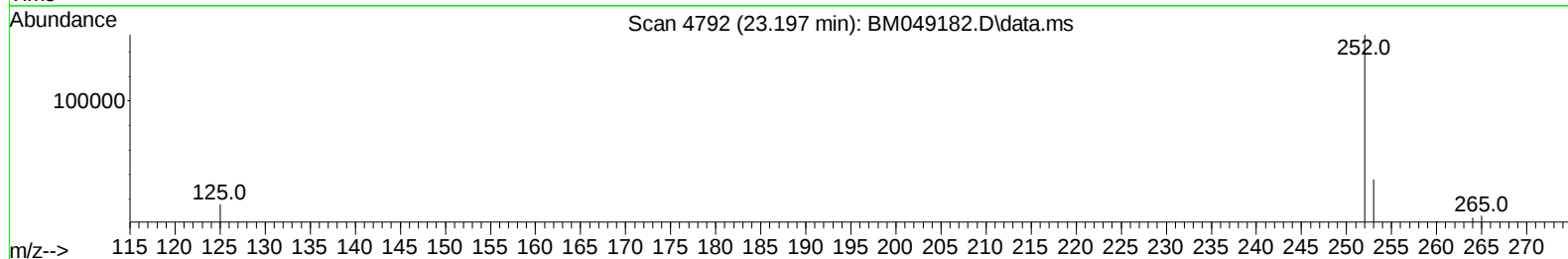
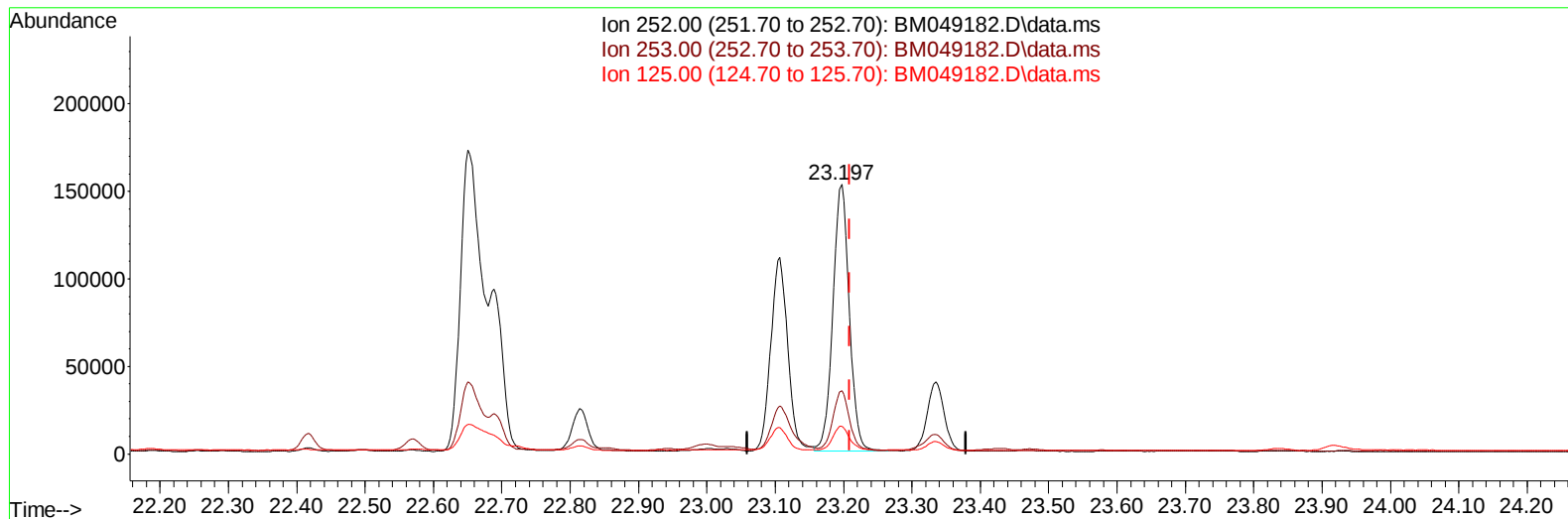
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(26) Benzo(a)pyrene (C)

23.197min (-0.012) 3.14 ng/u1 m

response 252761

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	23.45
125.00	18.50	10.29#
0.00	0.00	0.00

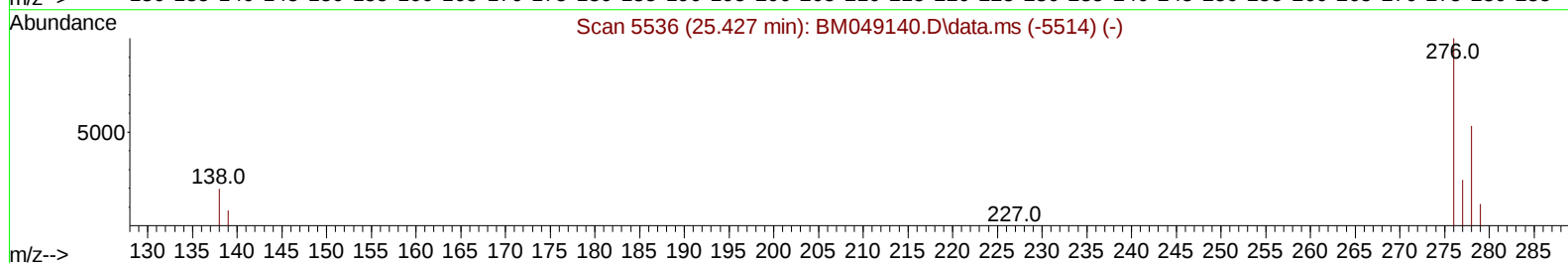
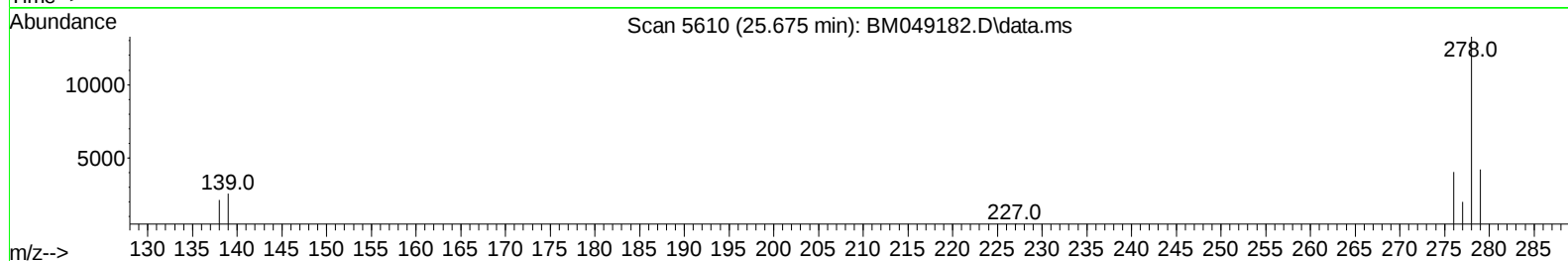
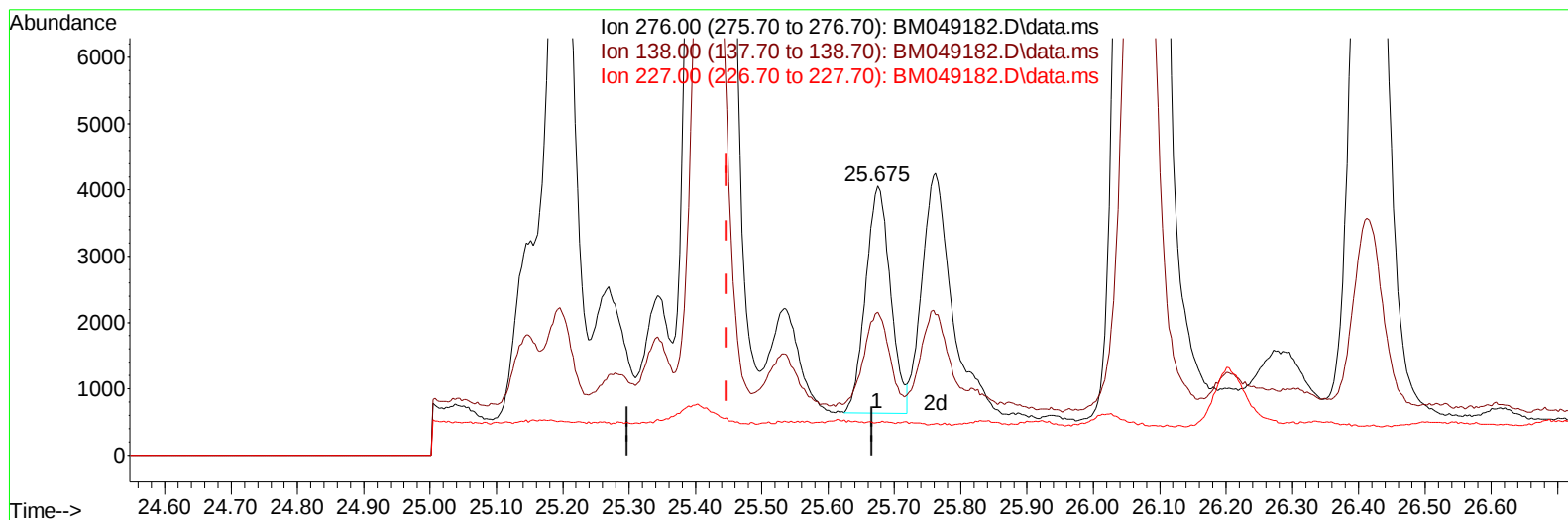
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

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

25.675min (+ 0.228) 0.08 ng/u1

response 8816

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	41.67#
227.00	0.20	0.37#
0.00	0.00	0.00

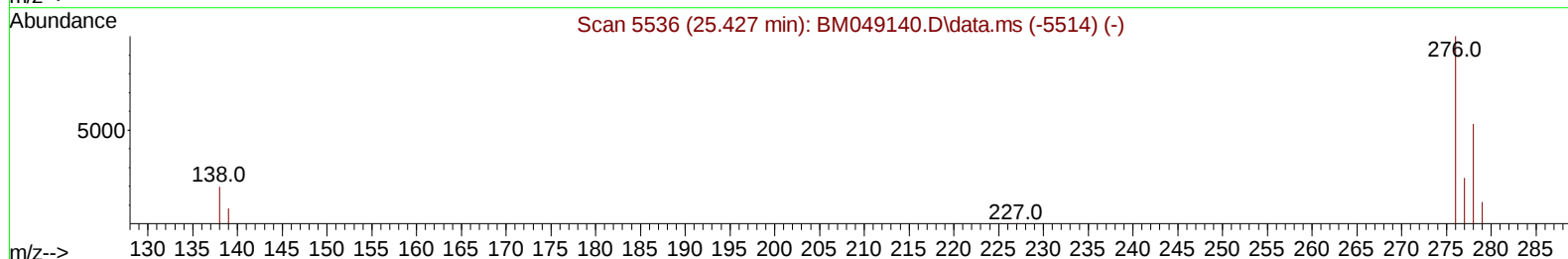
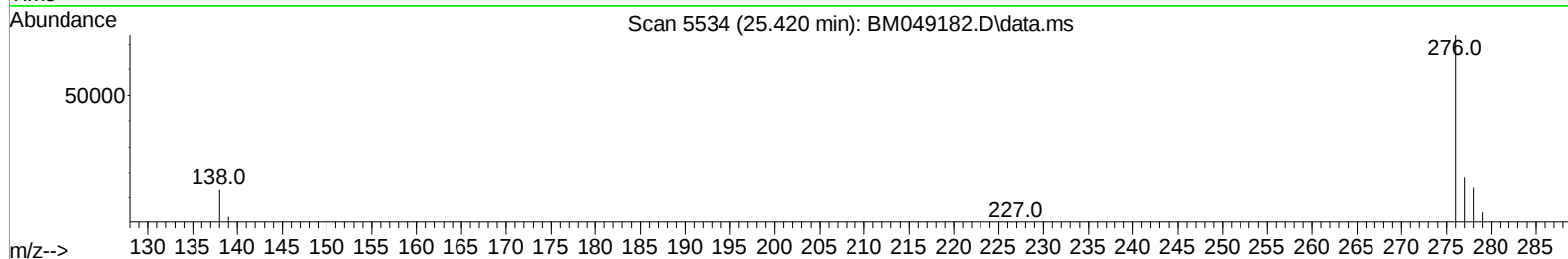
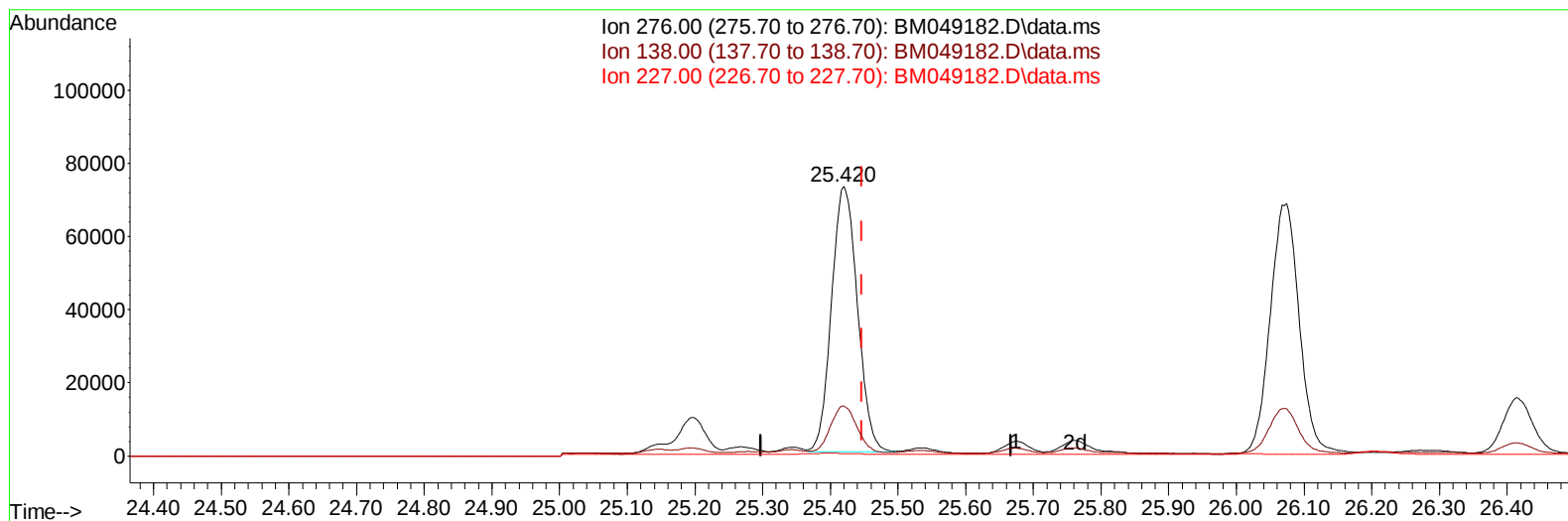
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 Data File : BM049182.D
 Acq On : 24 Dec 2024 13:32
 Operator : RC/JU
 Sample : P5333-15
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 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 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

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

25.420min (-0.027) 1.69 ng/ul m

response 192093

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	1.91#
227.00	0.20	0.02#
0.00	0.00	0.00

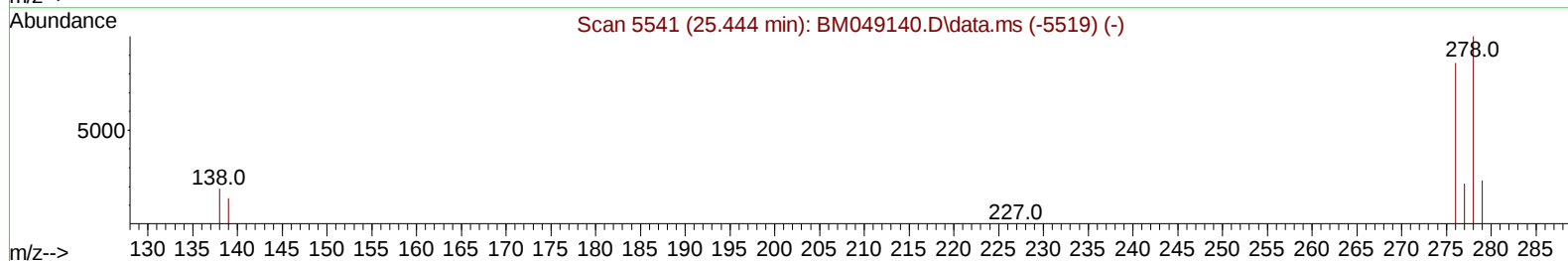
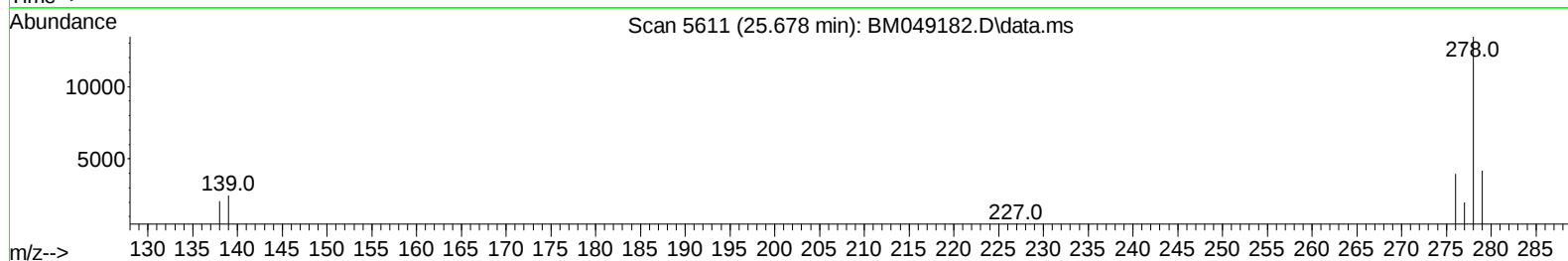
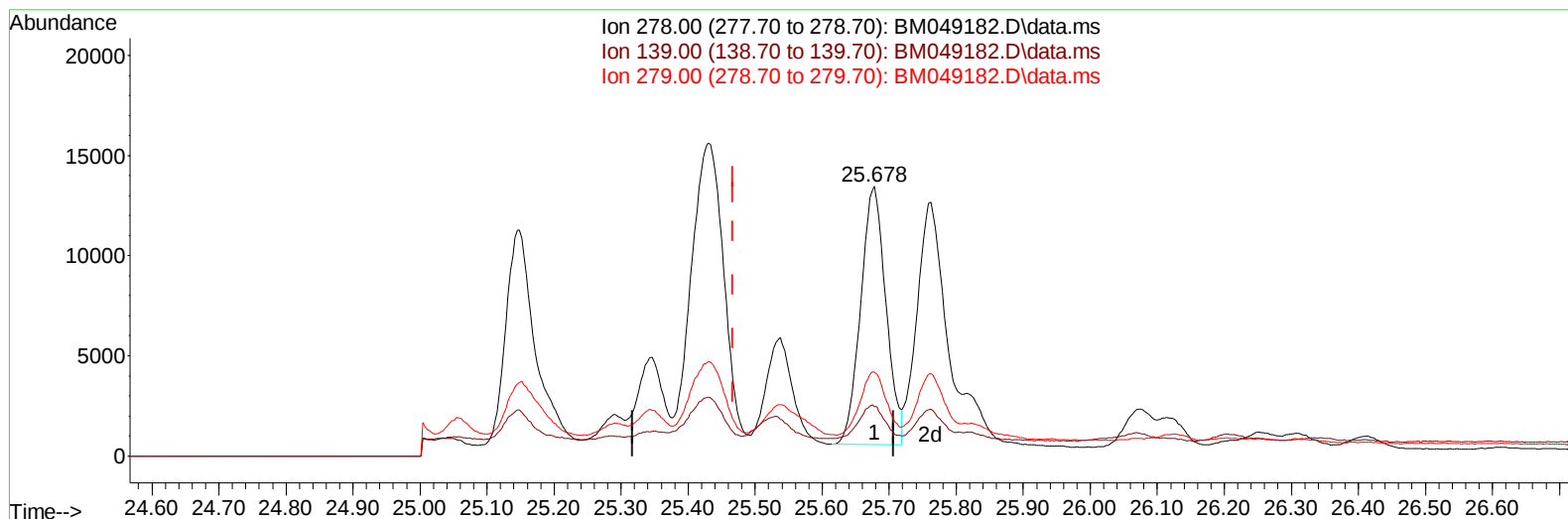
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 2024
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QLast Update : Wed Dec 18 15:33:13 2024
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Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

(28) Dibenzo(a,h)anthracene

25.678min (+ 0.211) 0.38 ng/u1

response 33898

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	18.37
279.00	26.90	30.98
0.00	0.00	0.00

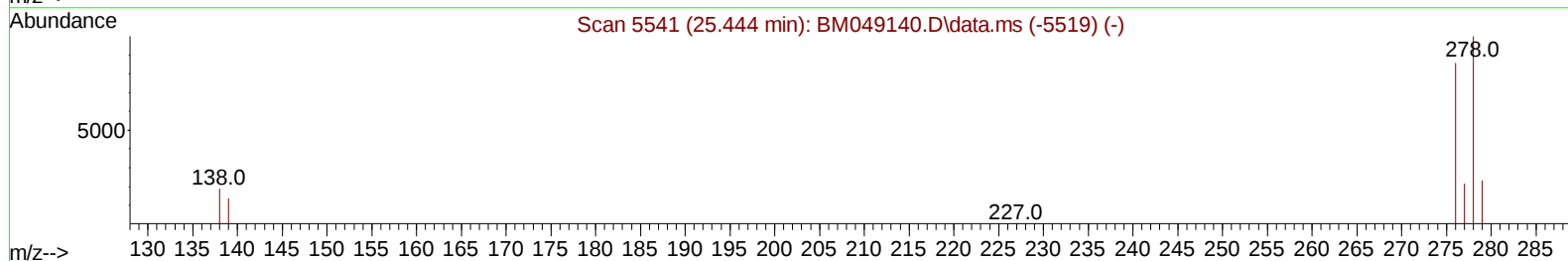
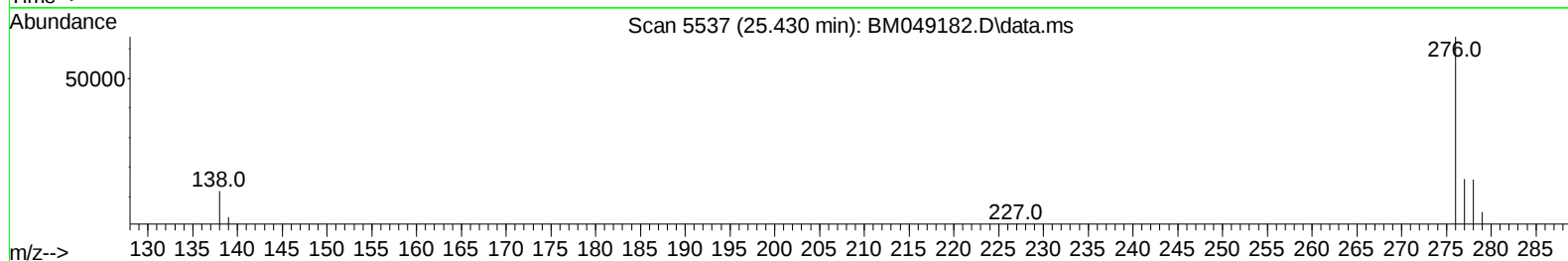
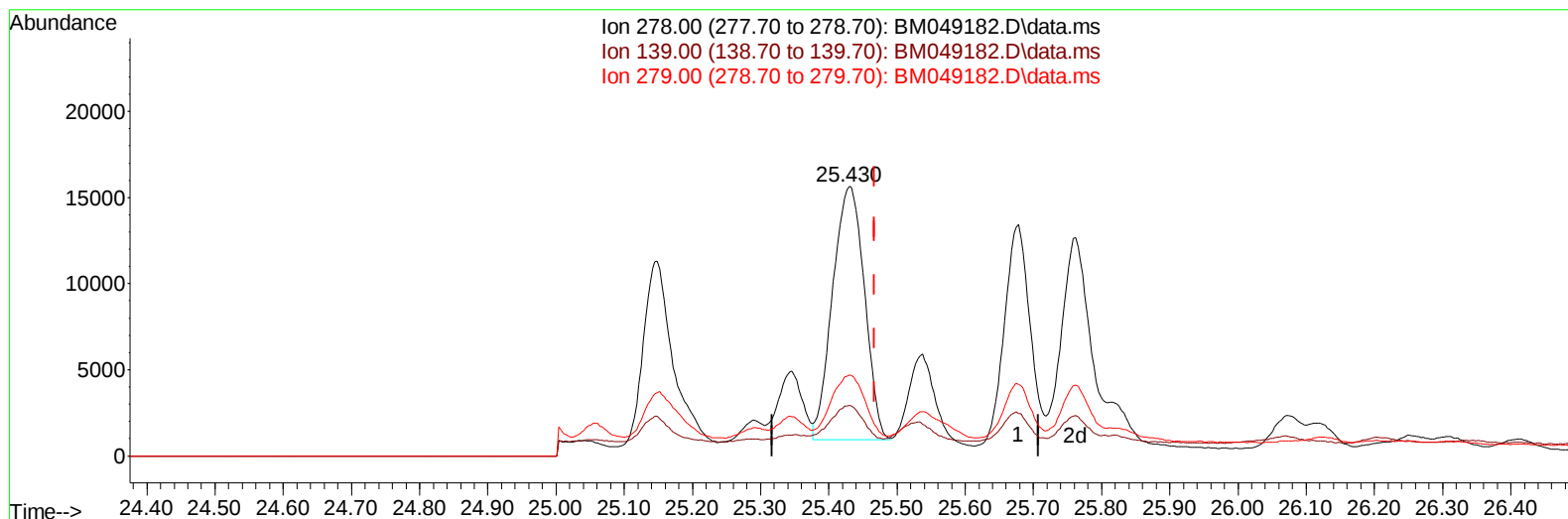
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 2024
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TIC: BM049182.D\data.ms

(28) Dibenzo(a,h)anthracene

25.430min (-0.037) 0.54 ng/u1 m

response 47713

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	18.81
279.00	26.90	30.13
0.00	0.00	0.00

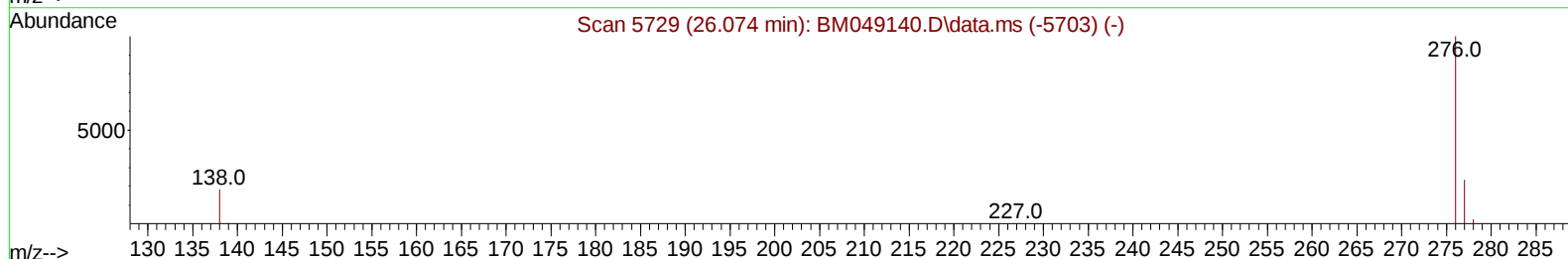
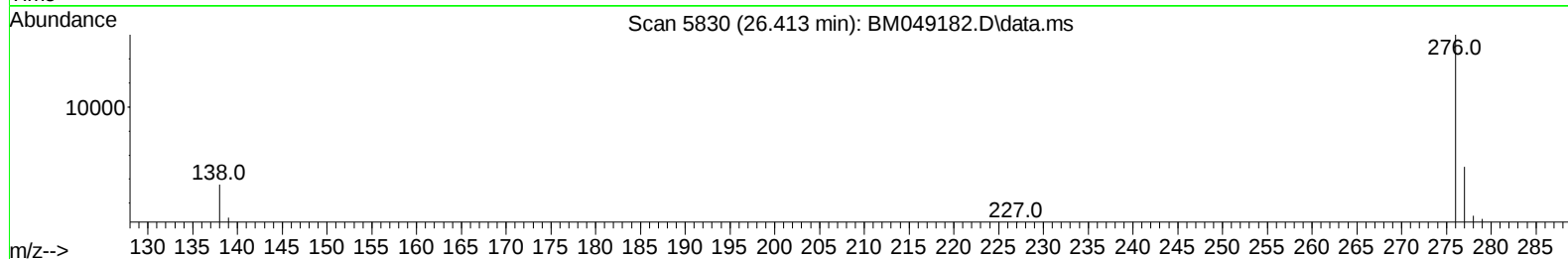
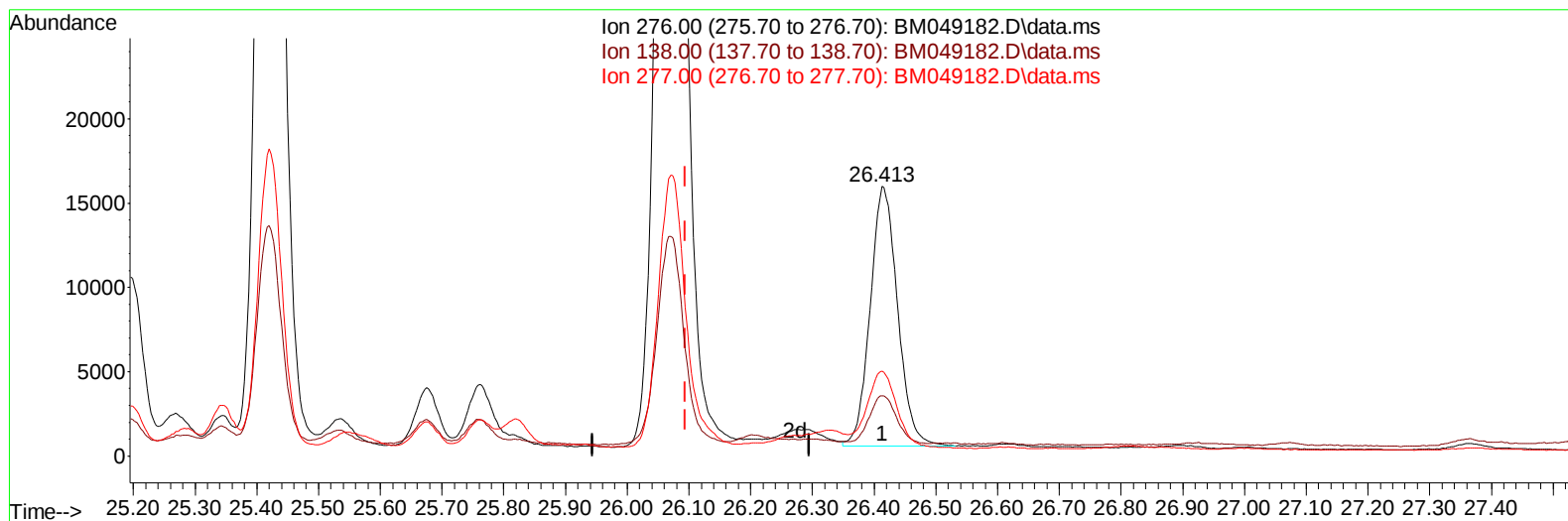
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 2024
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TIC: BM049182.D\data.ms

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

26.413min (+ 0.318) 0.52 ng/u1

response 47450

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	22.33
277.00	24.90	31.50#
0.00	0.00	0.00

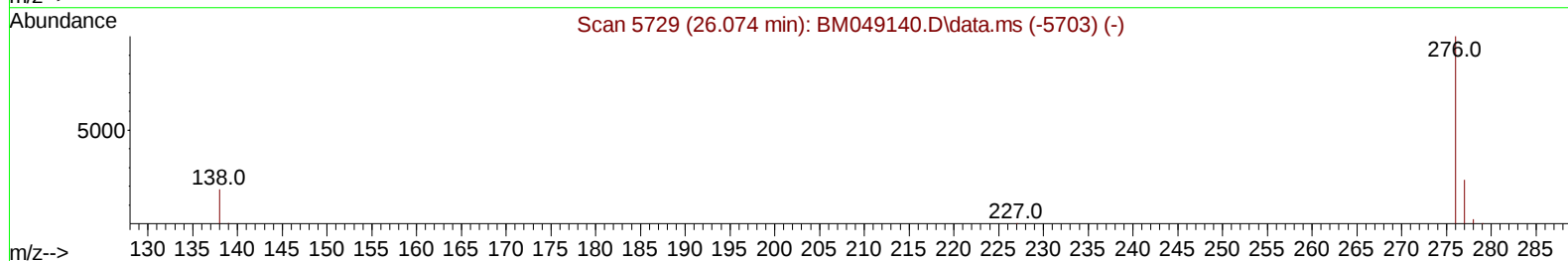
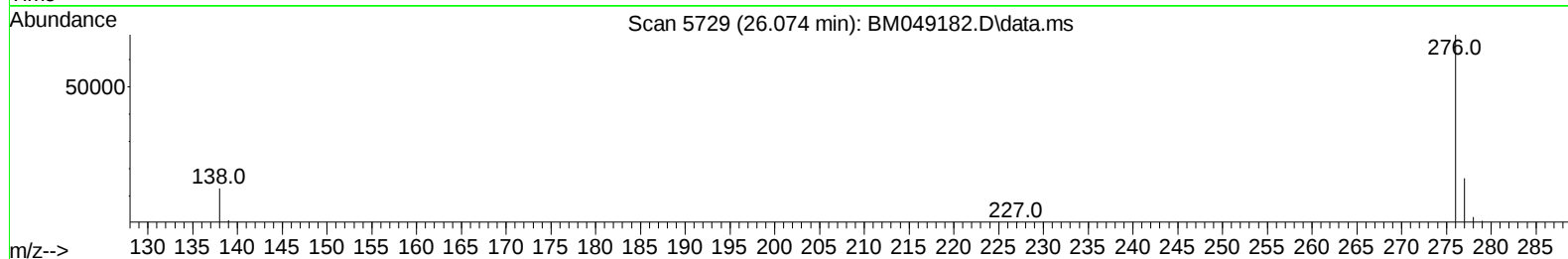
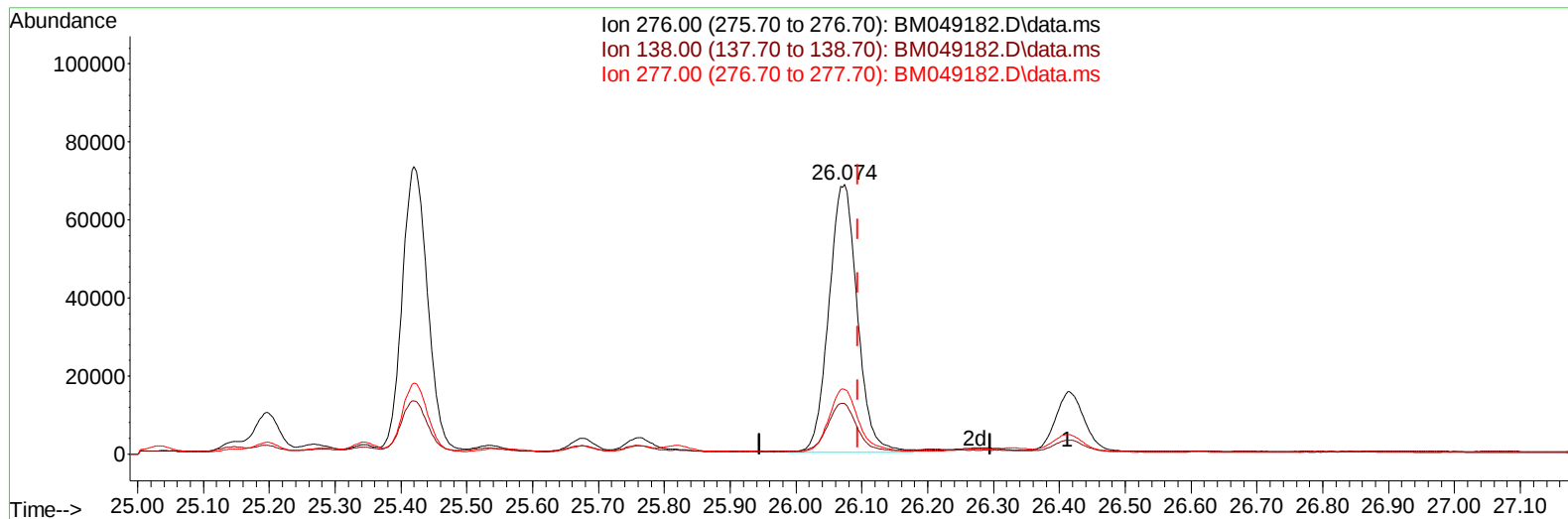
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
Data File : BM049182.D
Acq On : 24 Dec 2024 13:32
Operator : RC/JU
Sample : P5333-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2917

Manual IntegrationsAPPROVED

Quant Time: Dec 24 21:40:28 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/25/2024
Supervised By :mohammad ahmed 12/26/2024



TIC: BM049182.D\data.ms

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

26.074min (-0.020) 2.26 ng/ul m

response 206968

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.71
277.00	24.90	24.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122324\
 Data File : BM049182.D
 Acq On : 24 Dec 2024 13:32
 Operator : RC/JU
 Sample : P5333-15
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 E2917

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 21:40:28 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.548	152	7488	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.310	136	23554	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.188	164	13484	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.934	188	32049m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.137	240	25137m	0.400	ng/ul	0.00
23) Perylene-d12	23.291	264	26267m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	32894	3.809	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.910	152	7736	0.244	ng/ul	-0.02
18) Fluoranthene-d10	18.970	212	16343m	0.229	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.359	128	25189	0.427	ng/ul	99
7) 2-Methylnaphthalene	11.981	142	22972	0.615	ng/ul	98
8) 1-Methylnaphthalene	12.207	142	10311	0.270	ng/ul	98
10) Acenaphthylene	13.901	152	7889	0.141	ng/ul#	91
11) Acenaphthene	14.248	153	5305	0.130	ng/ul	98
12) Fluorene	15.242	166	7372	0.160	ng/ul#	96
15) Phenanthrene	16.977	178	218097m	2.606	ng/ul	
16) Anthracene	17.065	178	44223m	0.576	ng/ul	
19) Fluoranthene	19.002	202	487567m	5.365	ng/ul	
20) Pyrene	19.365	202	426889m	4.404	ng/ul	
21) Benzo(a)anthracene	21.119	228	236885m	2.709	ng/ul	
22) Chrysene	21.172	228	270247m	2.880	ng/ul	
24) Benzo(b)fluoranthene	22.651	252	363177m	4.328	ng/ul	
25) Benzo(k)fluoranthene	22.689	252	124787m	1.355	ng/ul	
26) Benzo(a)pyrene	23.197	252	252761m	3.141	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.420	276	192093m	1.687	ng/ul	
28) Dibenzo(a,h)anthracene	25.430	278	47713m	0.539	ng/ul	
29) Benzo(g,h,i)perylene	26.074	276	206968m	2.260	ng/ul	

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

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Manual IntegrationsAPPROVED

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