

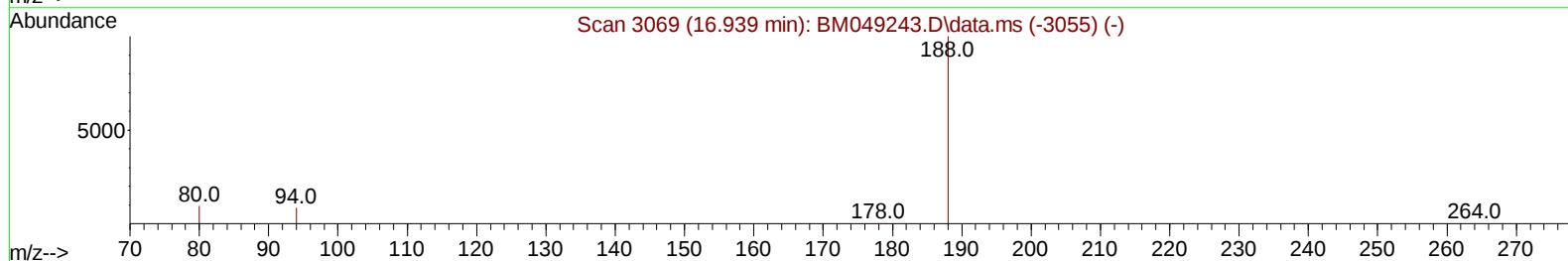
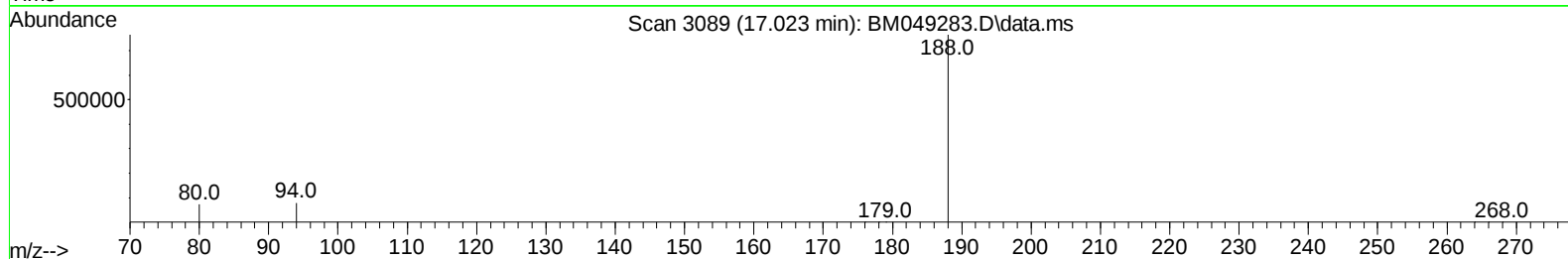
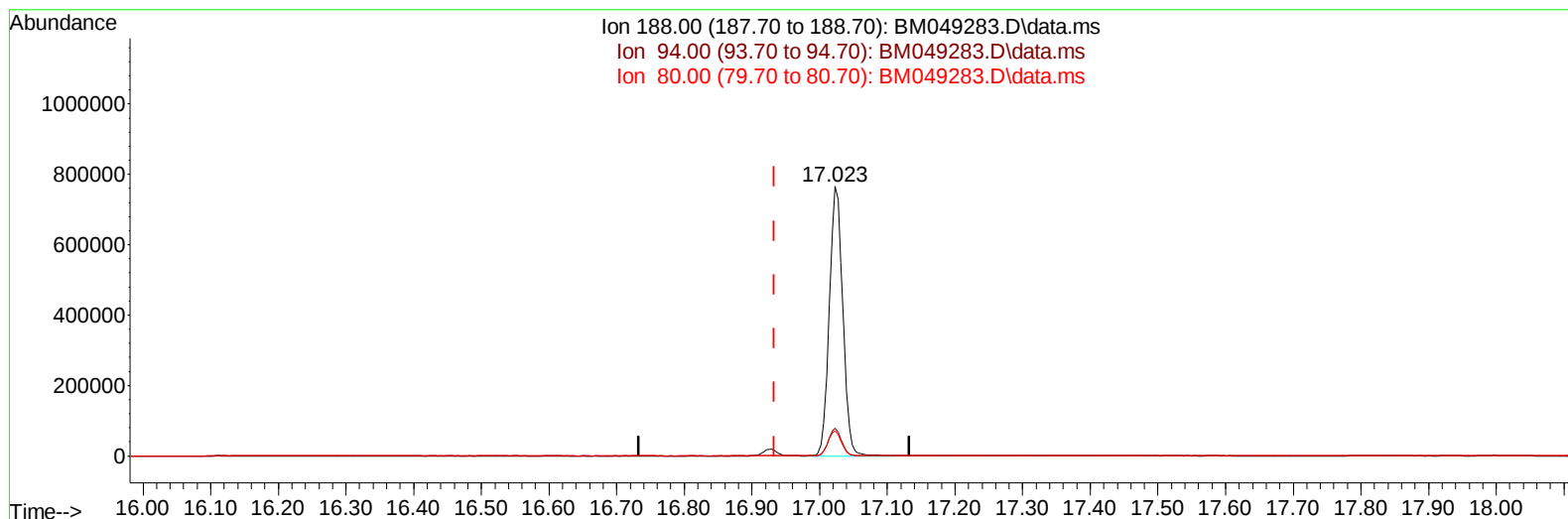
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(13) Phenanthrene-d10 (I)

17.023min (+ 0.090) 0.40 ng/u1

response 1058787

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	10.28
80.00	10.70	9.45
0.00	0.00	0.00

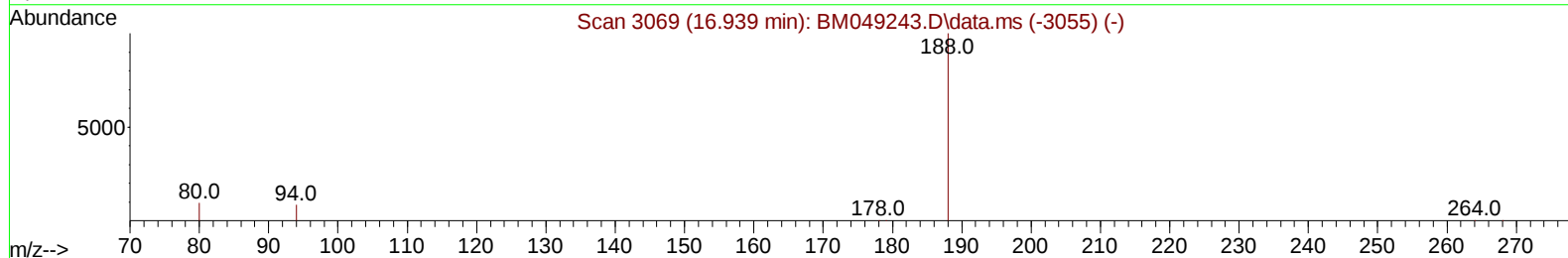
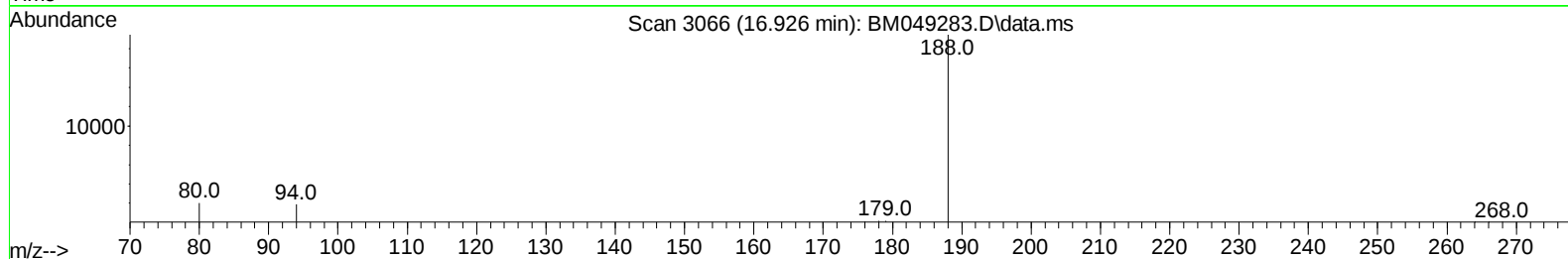
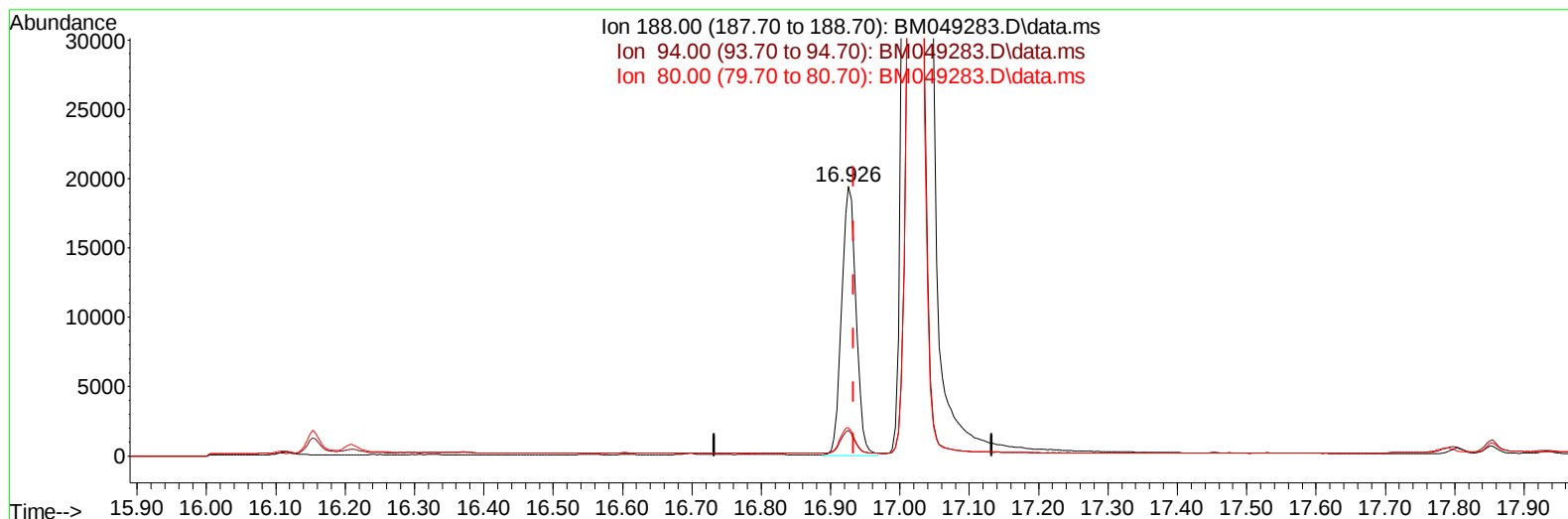
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(13) Phenanthrene-d10 (I)

16.926min (-0.007) 0.40 ng/ul m

response 28110

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.80	9.65
80.00	10.70	10.53
0.00	0.00	0.00

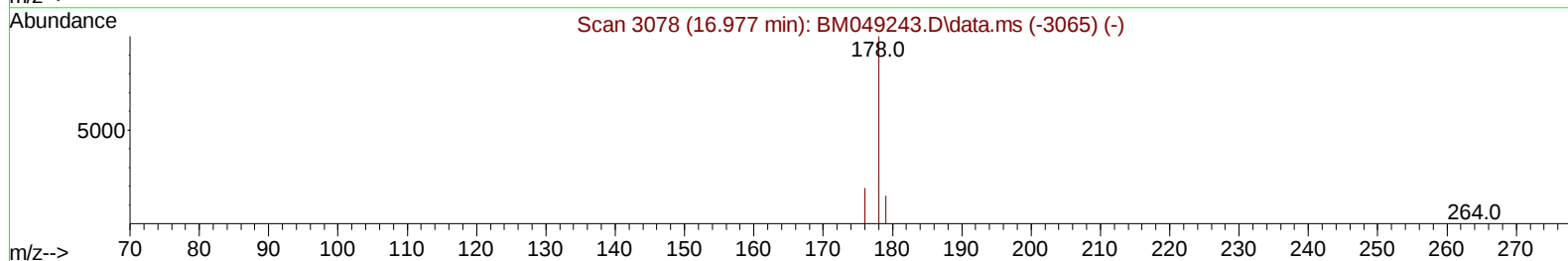
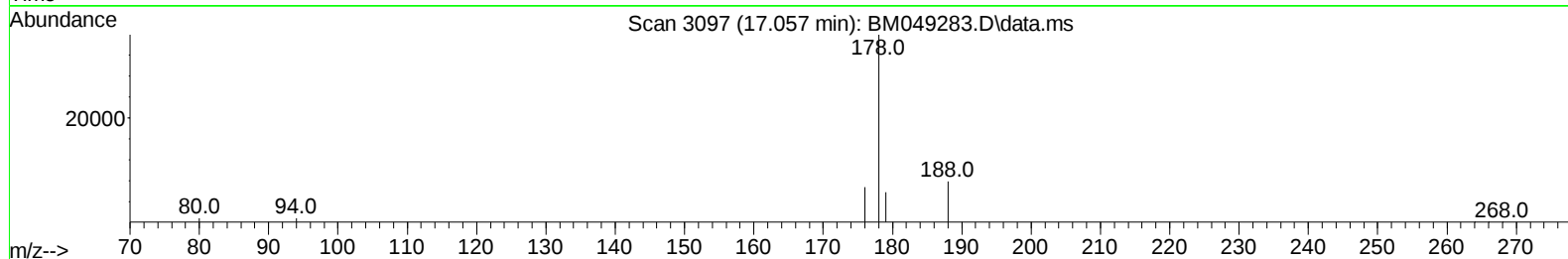
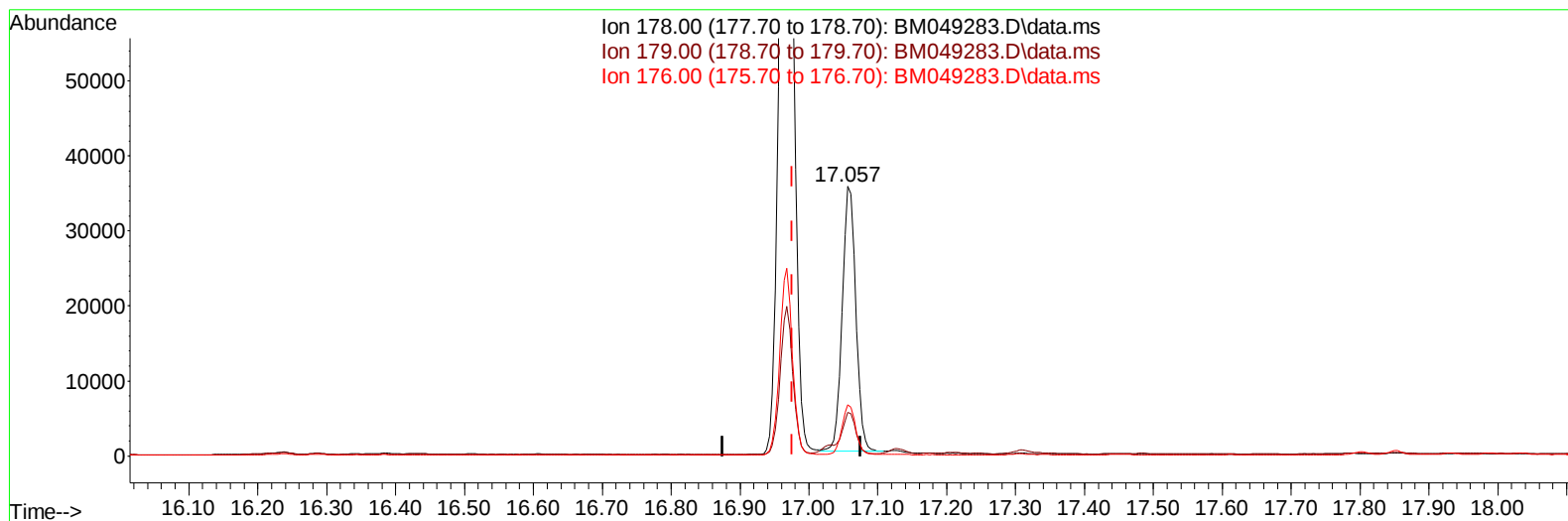
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(15) Phenanthrene

17.057min (+ 0.081) 0.66 ng/u1

response 48351

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	16.06
176.00	20.20	18.91
0.00	0.00	0.00

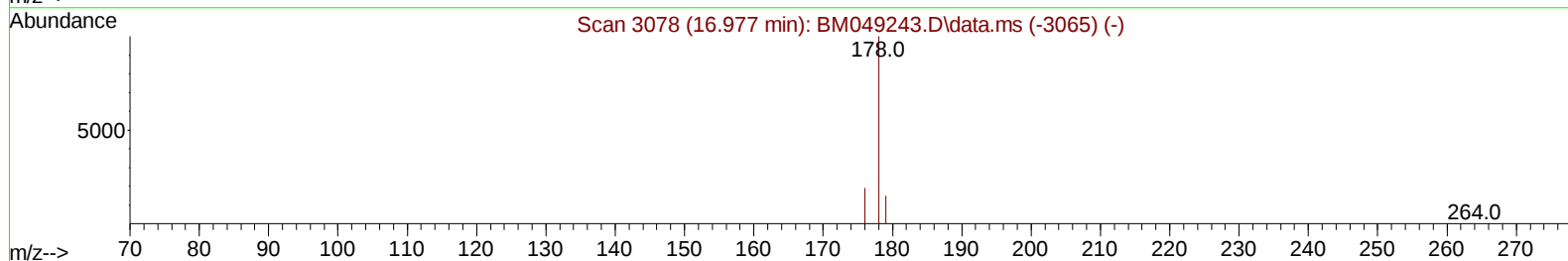
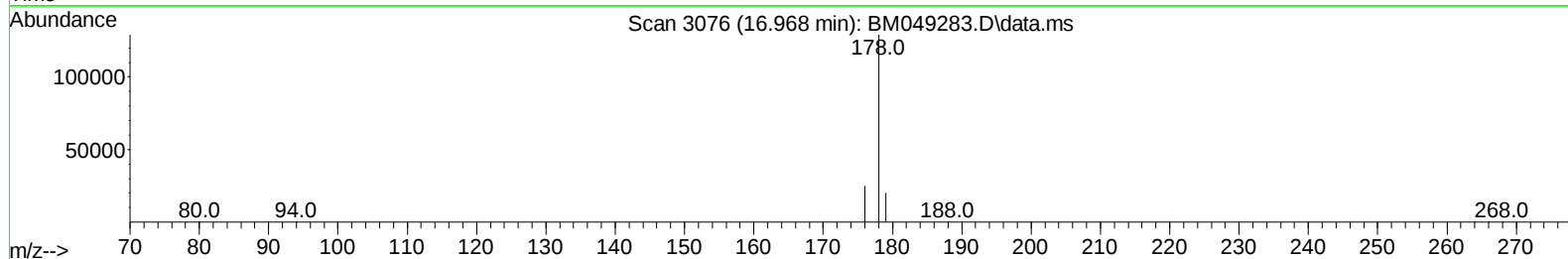
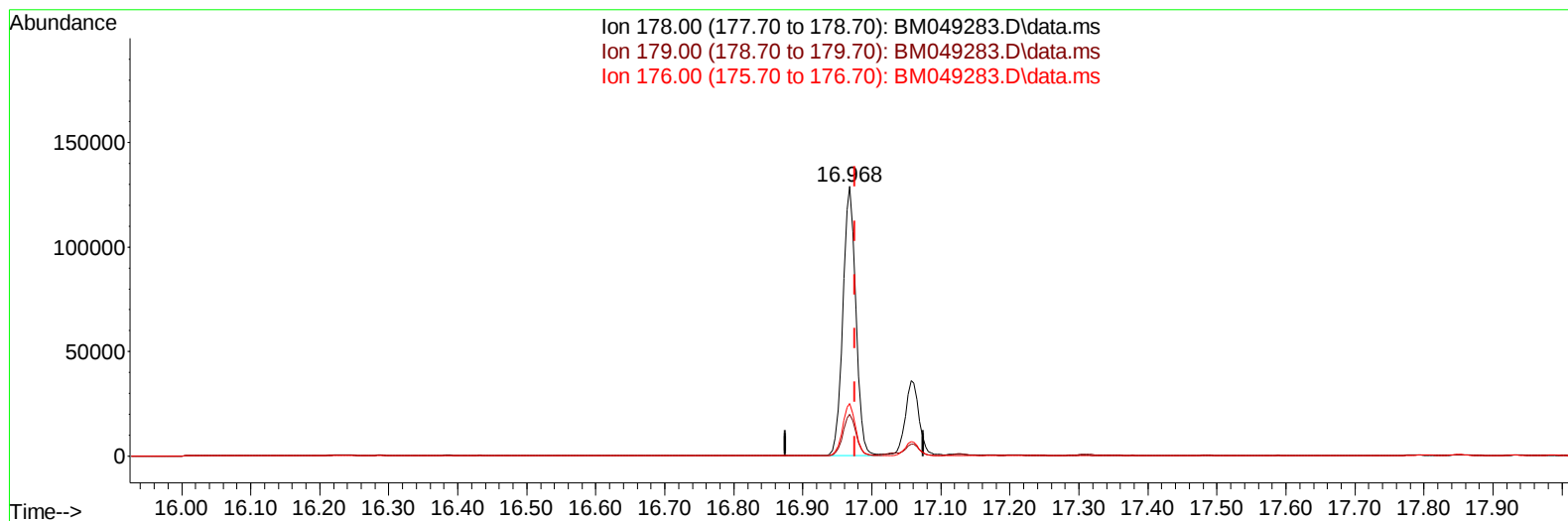
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(15) Phenanthrene

16.968min (-0.007) 2.28 ng/u1 m

response 167427

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.50
176.00	20.20	19.41
0.00	0.00	0.00

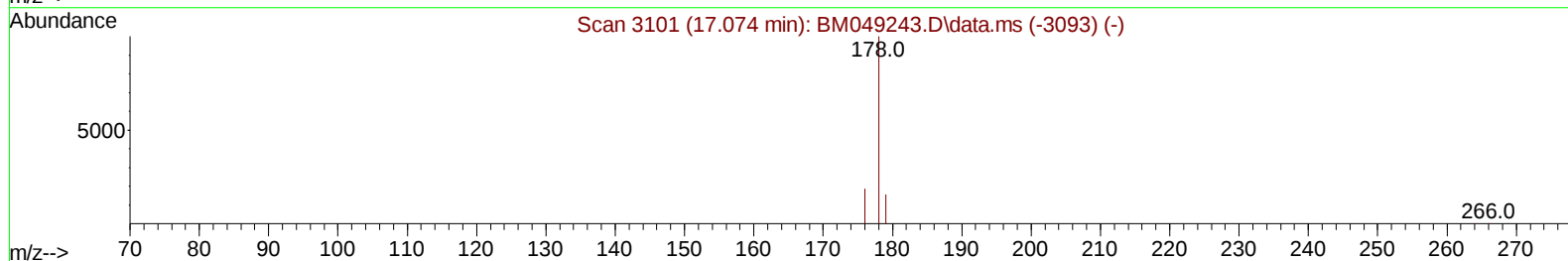
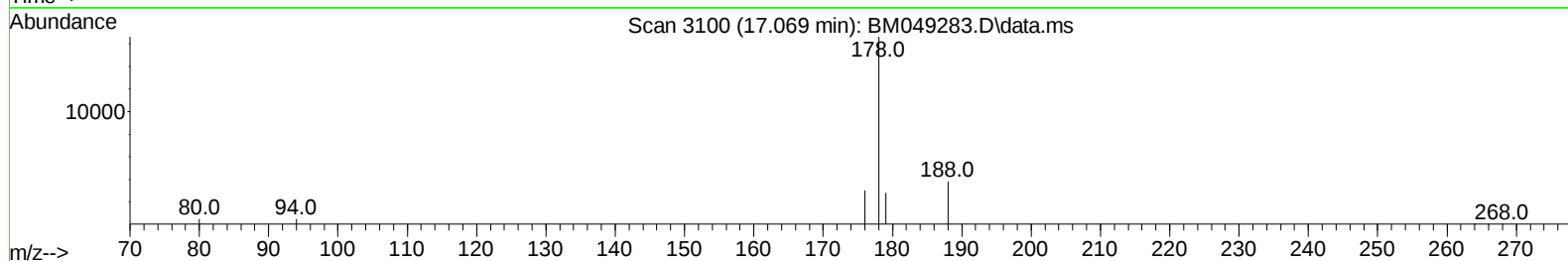
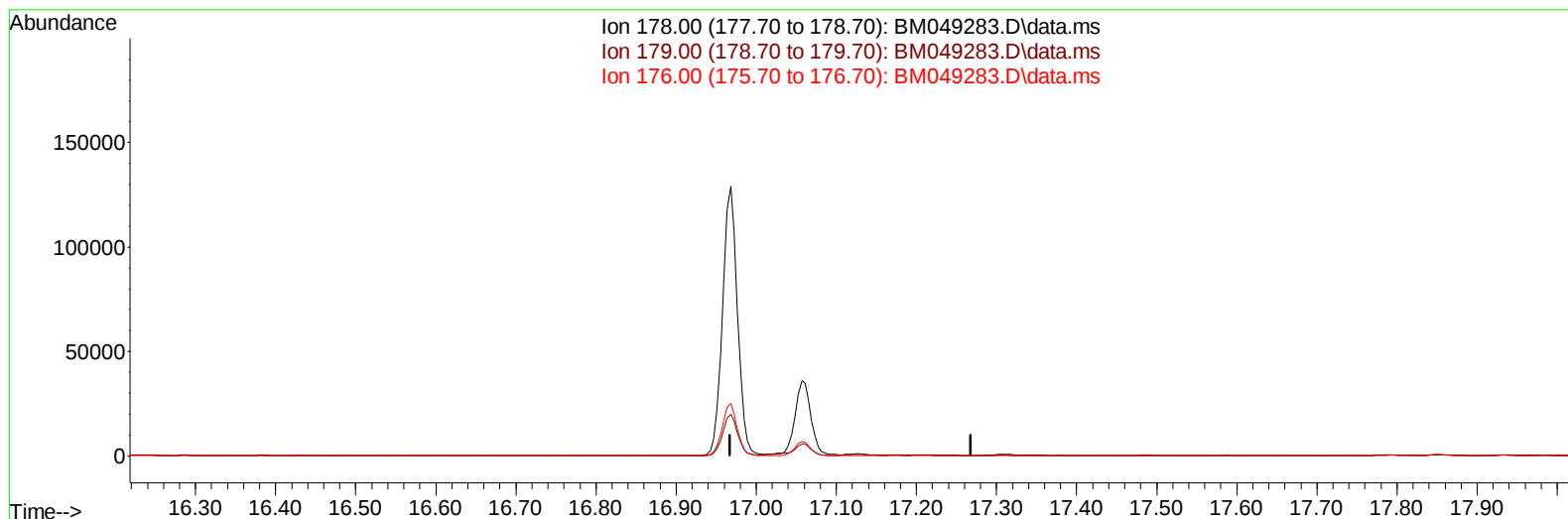
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049283.D\data.ms

(16) Anthracene

17.068min (-17.068) 0.00 ng/u1

response 0

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

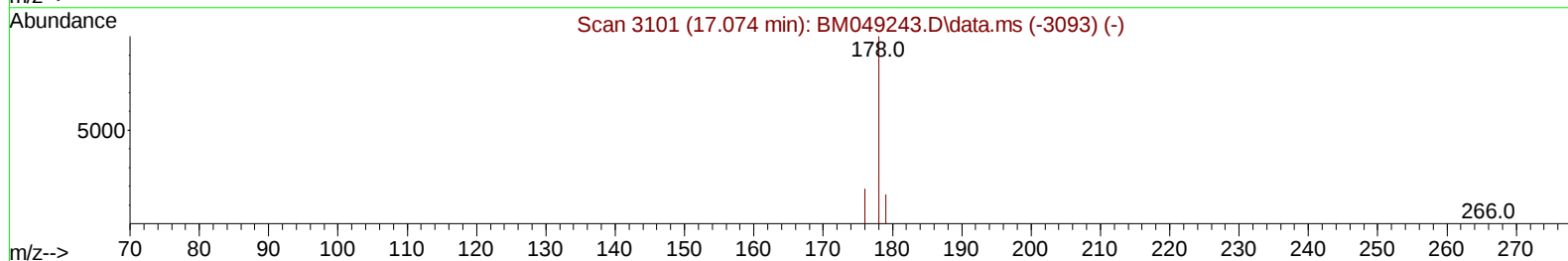
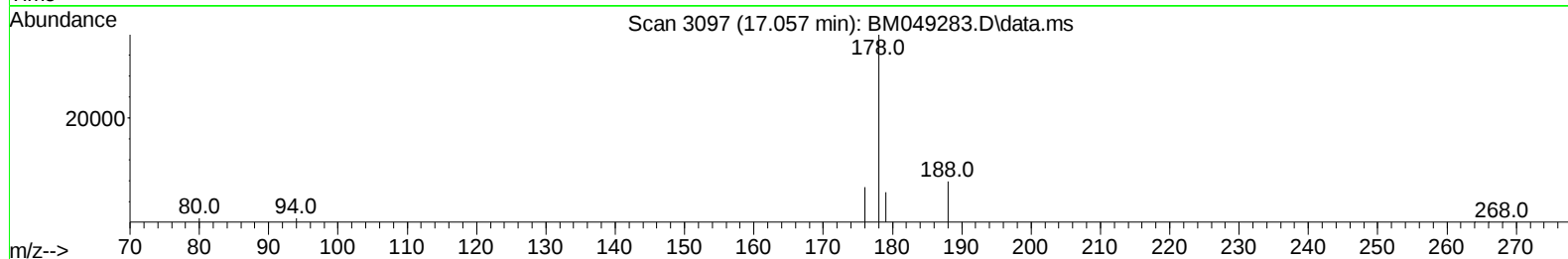
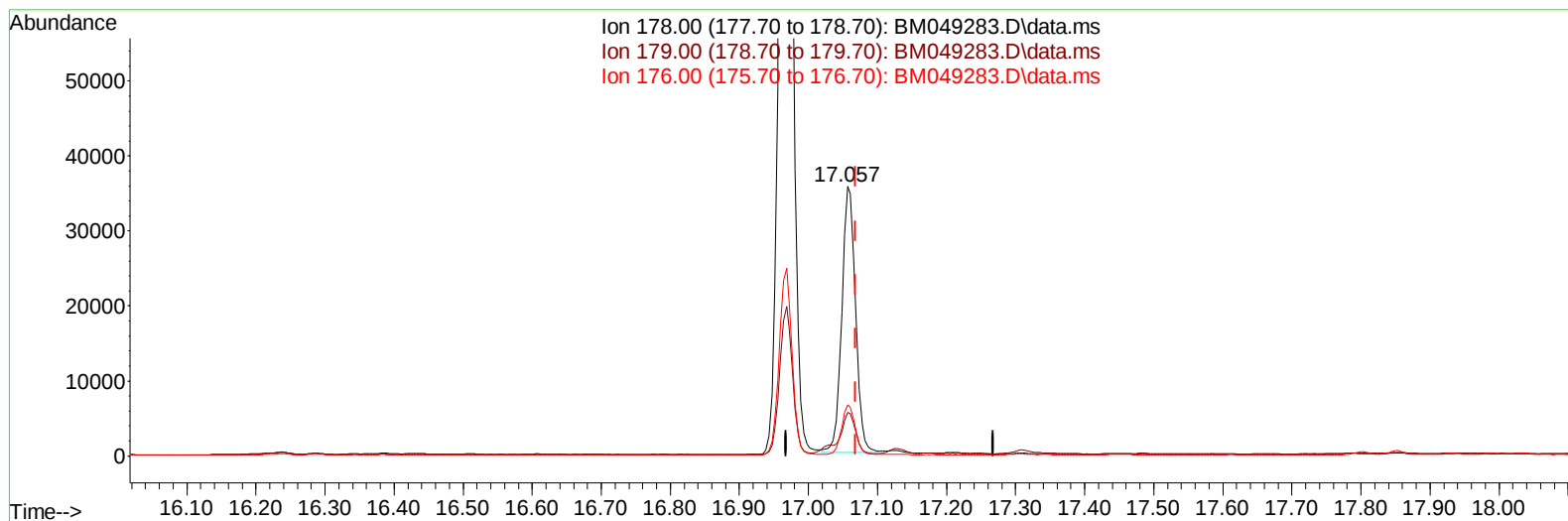
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(16) Anthracene

17.057min (-0.011) 0.73 ng/u1 m

response 49063

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.06
176.00	19.10	18.91
0.00	0.00	0.00

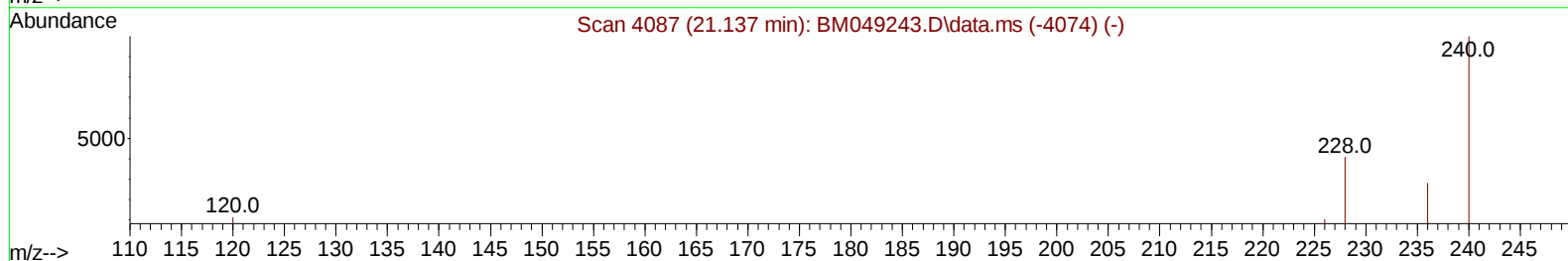
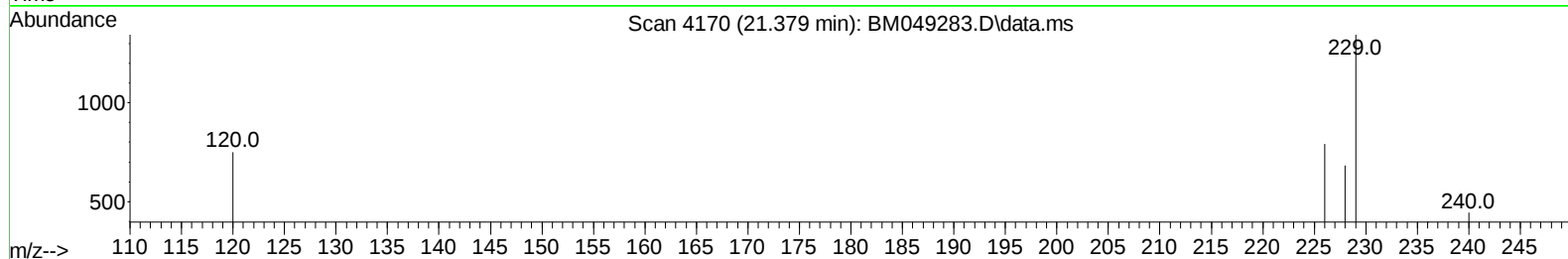
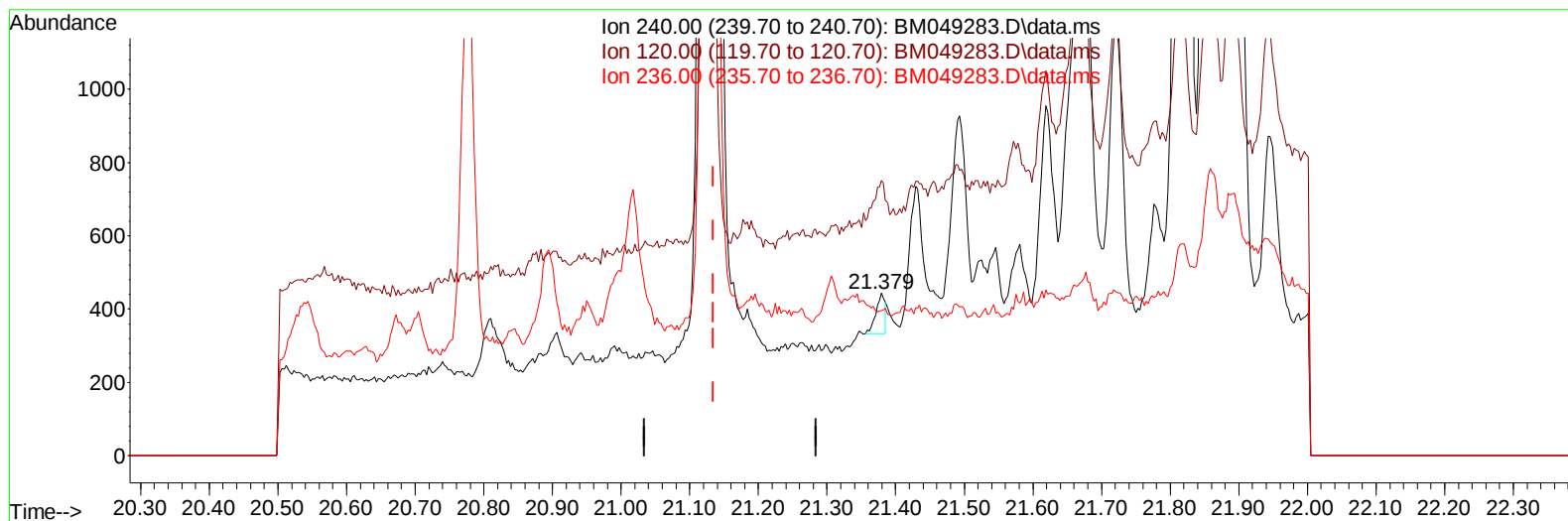
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049283.D\data.ms

(17) Chrysene-d12

21.379min (+ 0.245) 0.40 ng/u1

response 103

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	169.14#
236.00	29.80	89.19#
0.00	0.00	0.00

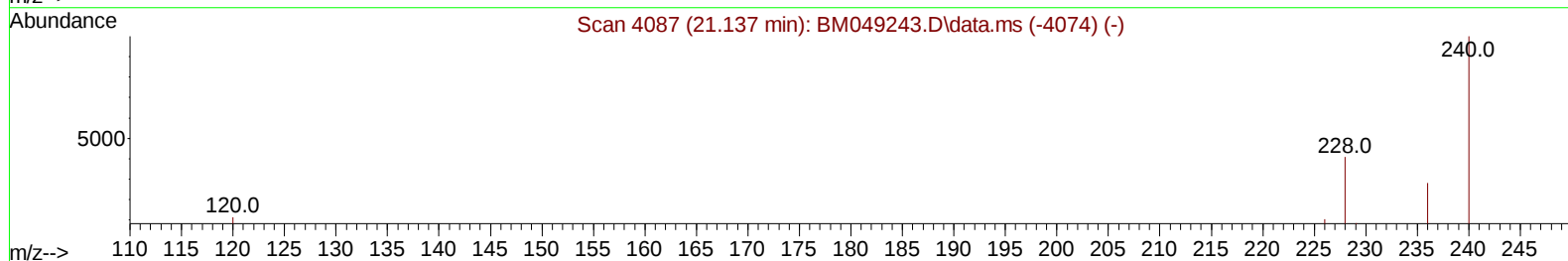
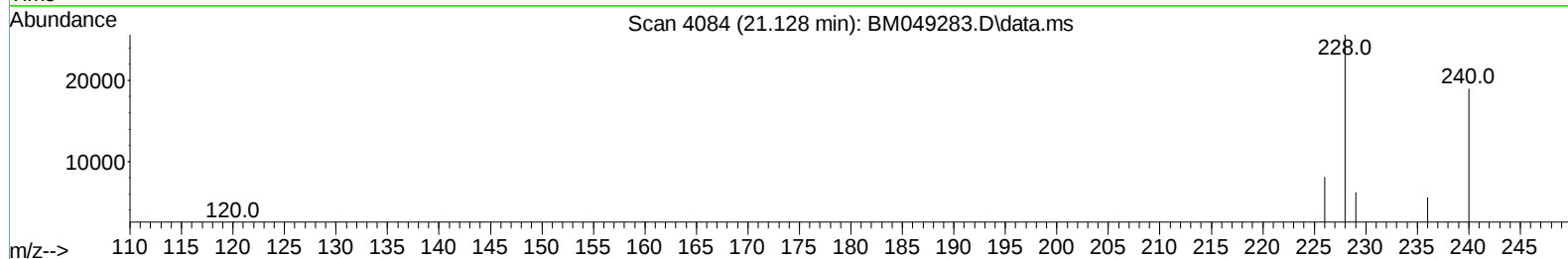
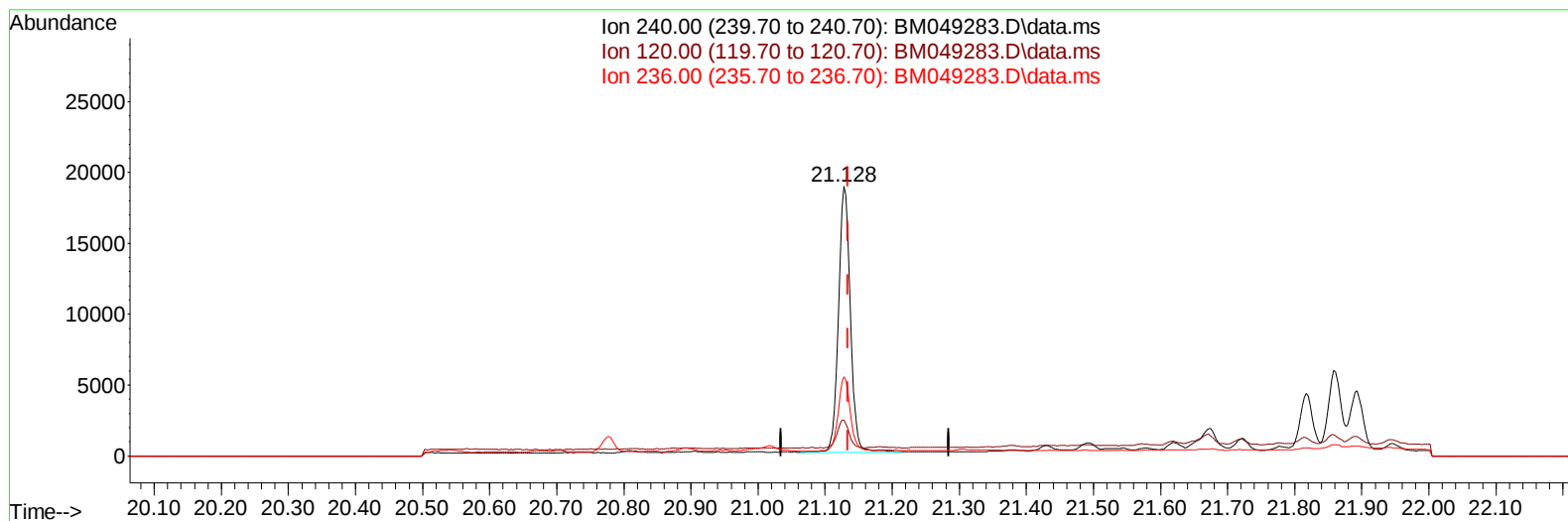
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(17) Chrysene-d12

21.128min (-0.006) 0.40 ng/u1 m

response 23561

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	14.50	13.40
236.00	29.80	29.47
0.00	0.00	0.00

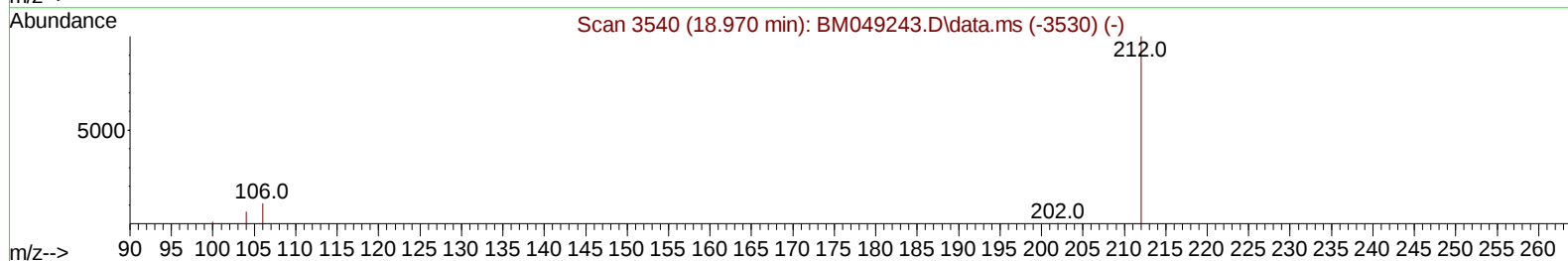
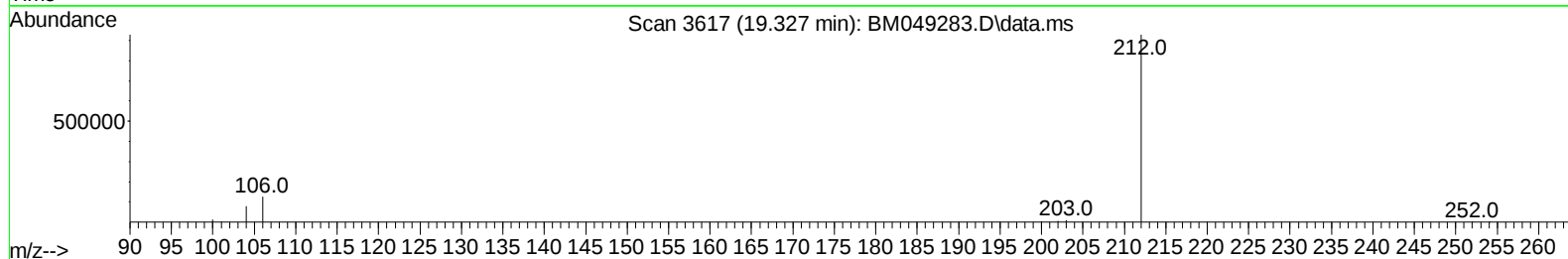
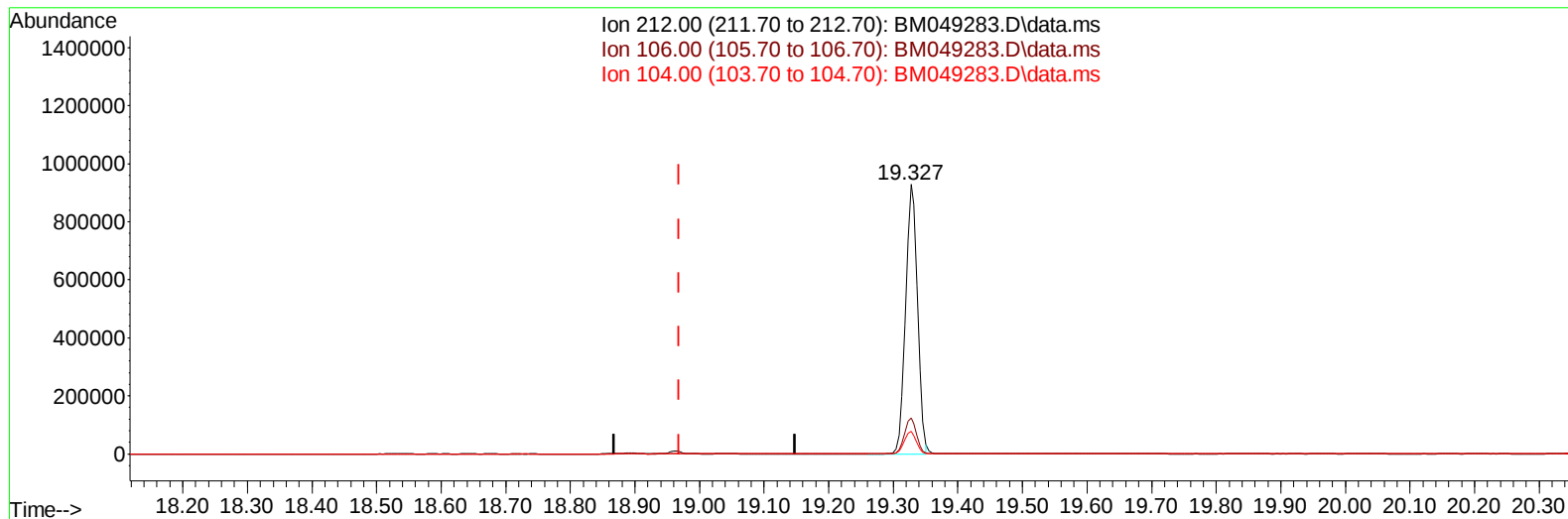
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/30/2024
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TIC: BM049283.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.327min (+ 0.359) 17.77 ng/u1

response 1187707

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	13.39
104.00	6.50	8.39#
0.00	0.00	0.00

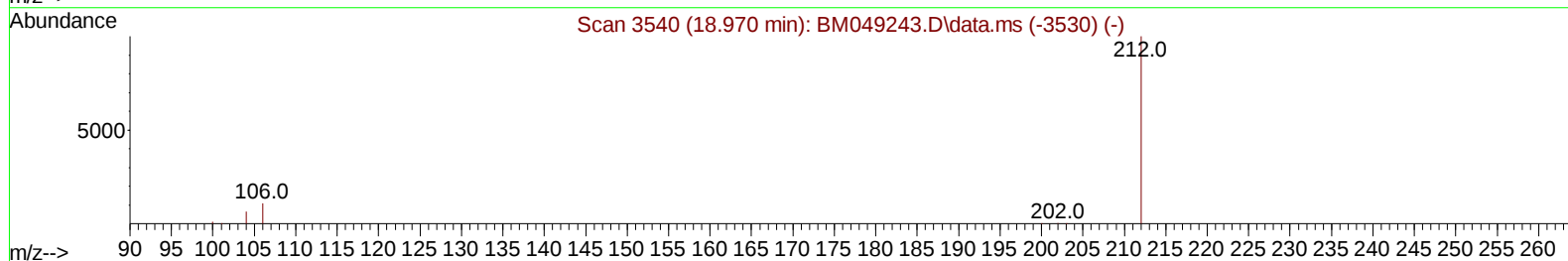
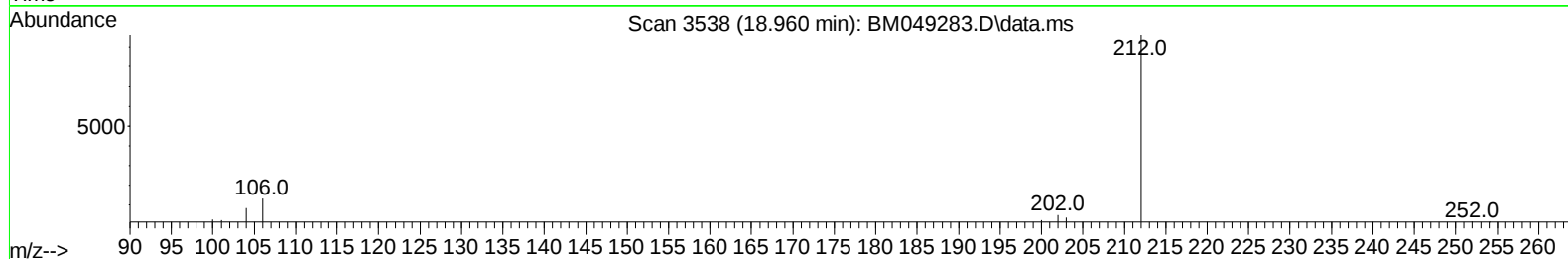
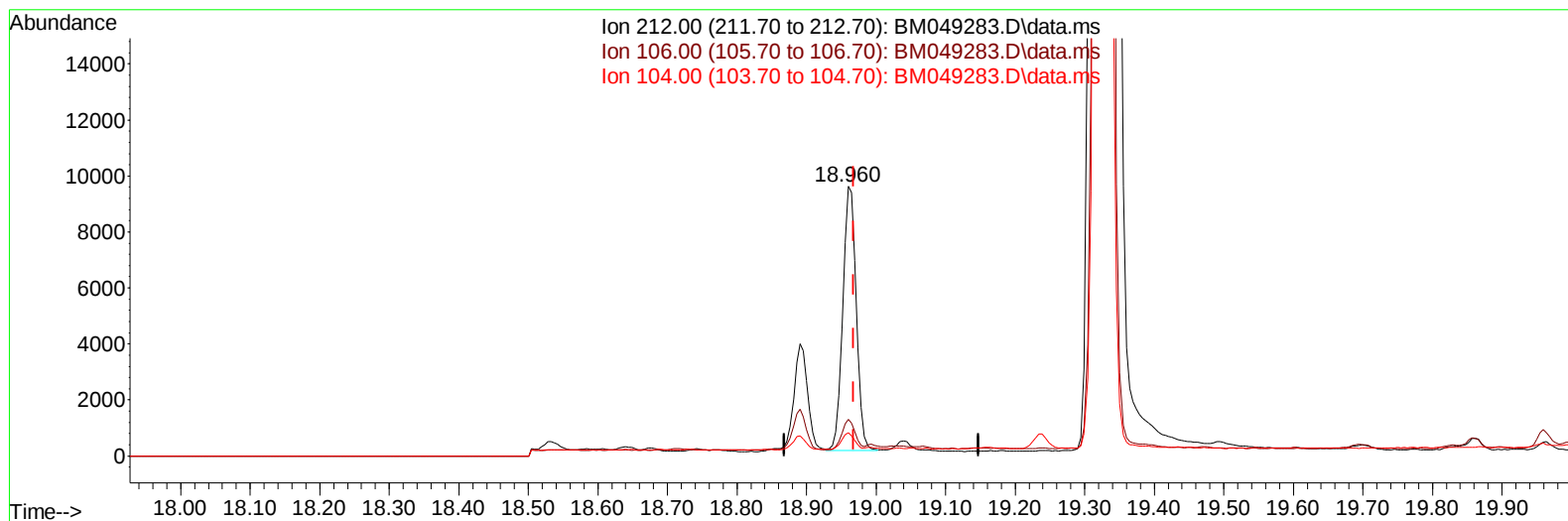
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.960min (-0.008) 0.19 ng/u1 m

response 12853

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	11.60	1237.04#
104.00	6.50	775.56#
0.00	0.00	0.00

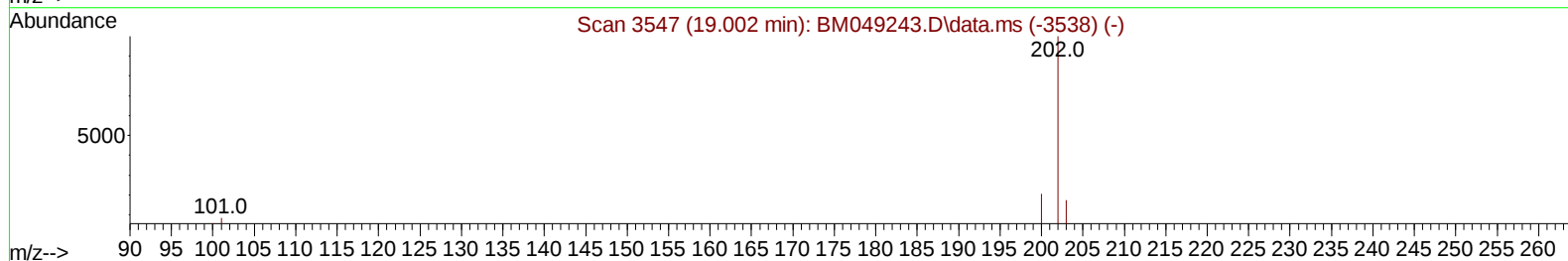
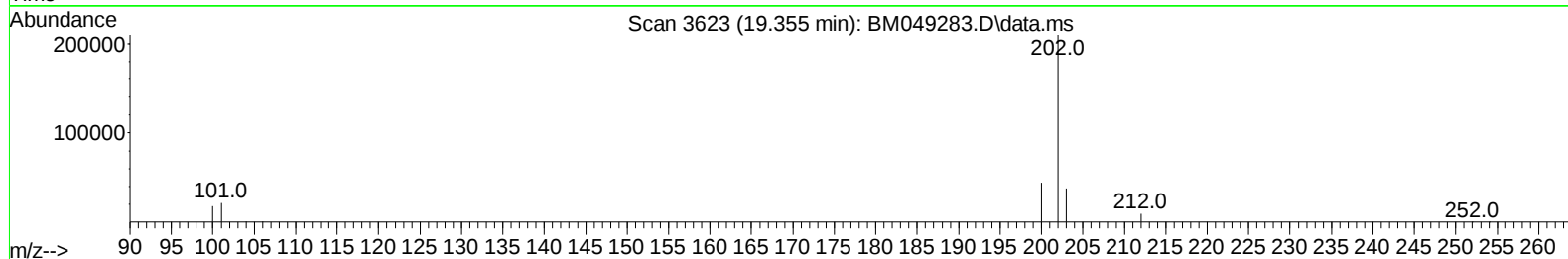
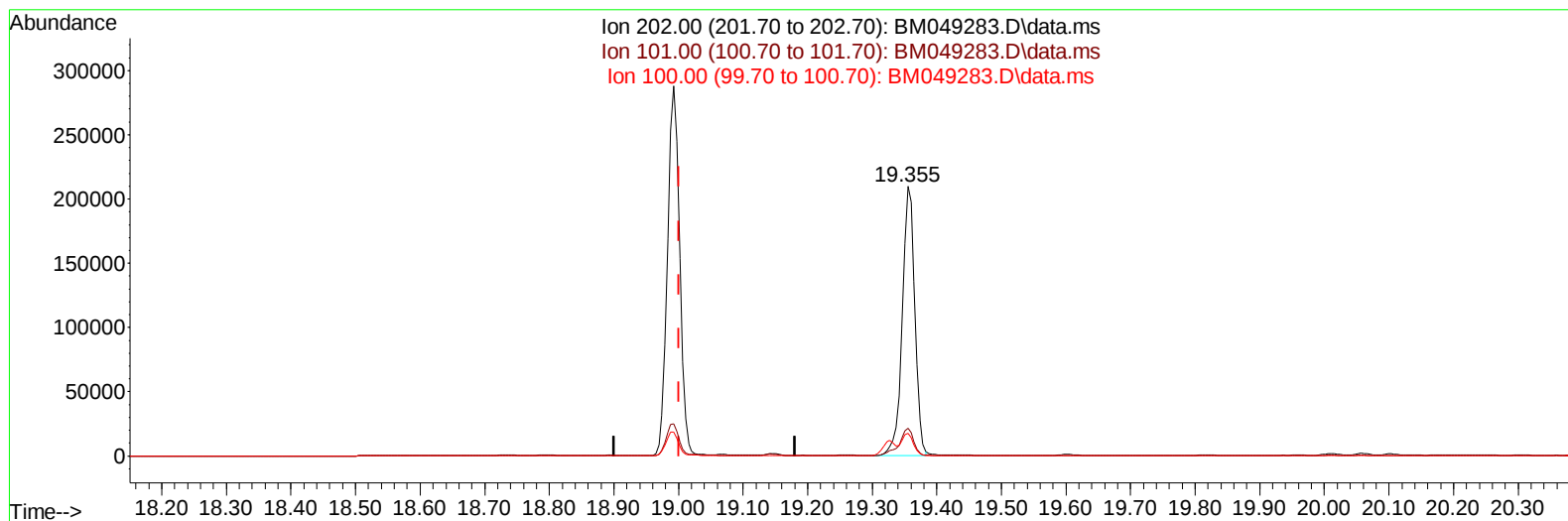
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(19) Fluoranthene (C)

19.355min (+ 0.354) 3.30 ng/u1

response 281455

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	10.32
100.00	6.90	8.38#
0.00	0.00	0.00

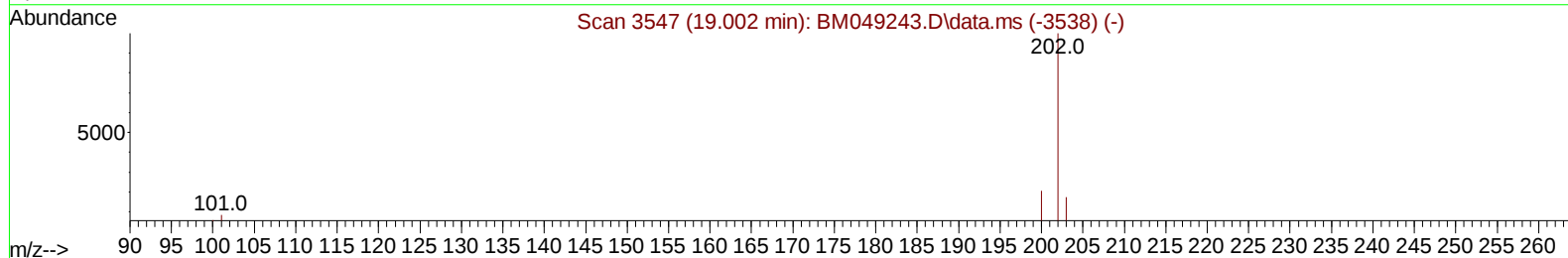
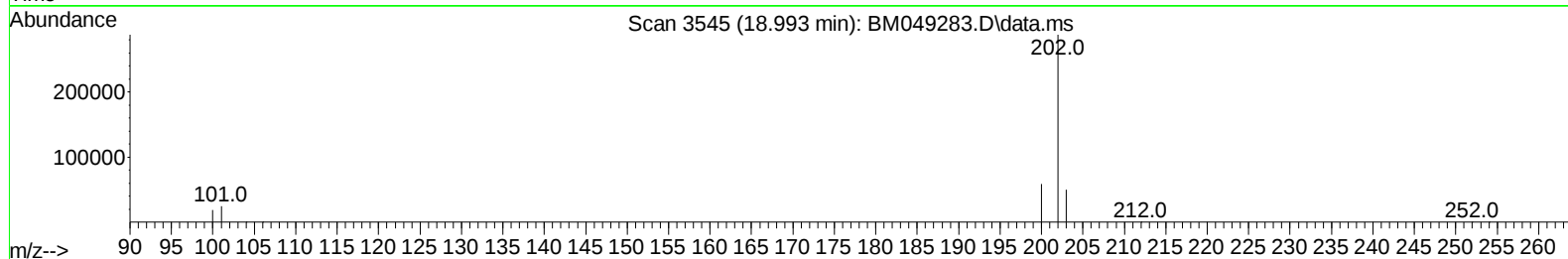
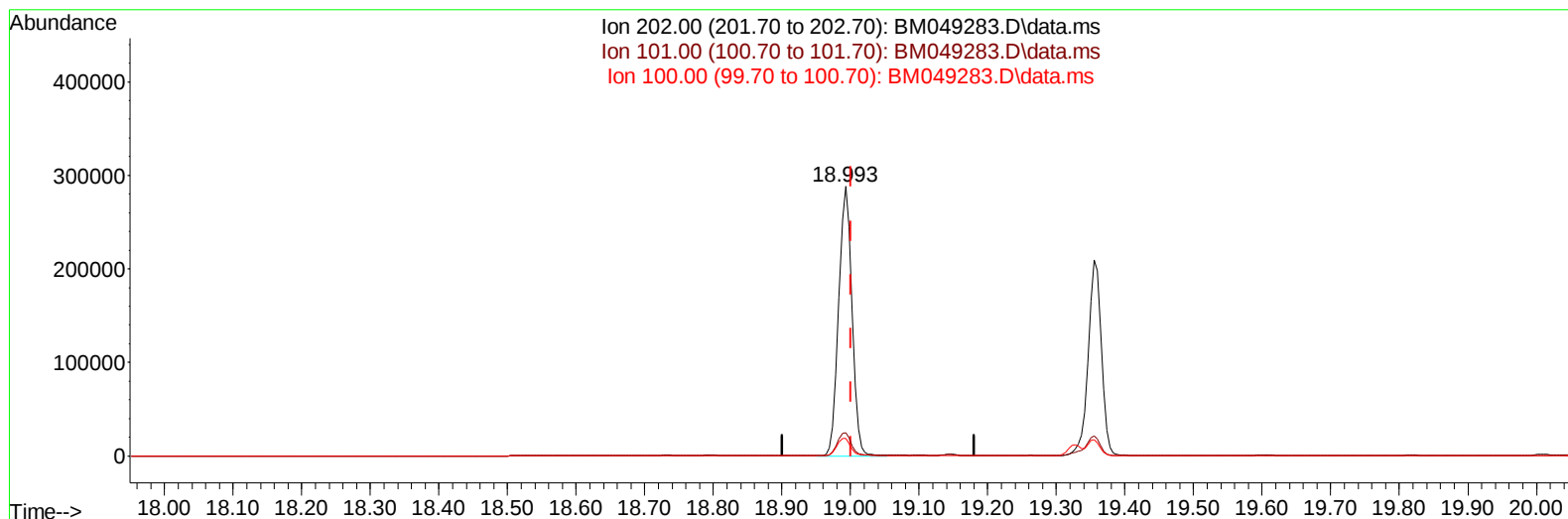
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(19) Fluoranthene (C)

18.993min (-0.008) 4.46 ng/ul m

response 379843

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.50	8.64
100.00	6.90	6.40
0.00	0.00	0.00

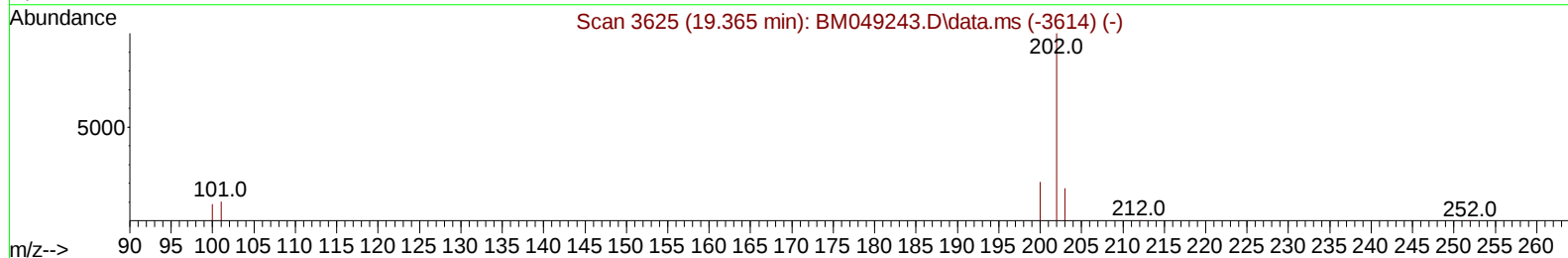
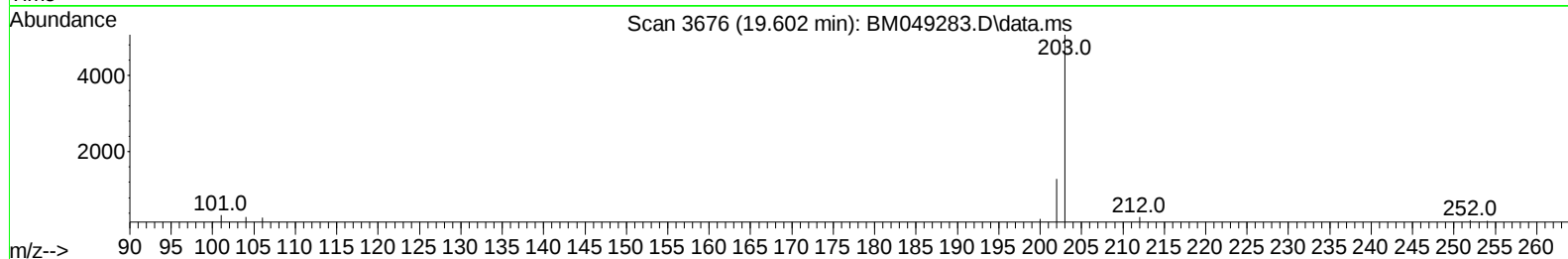
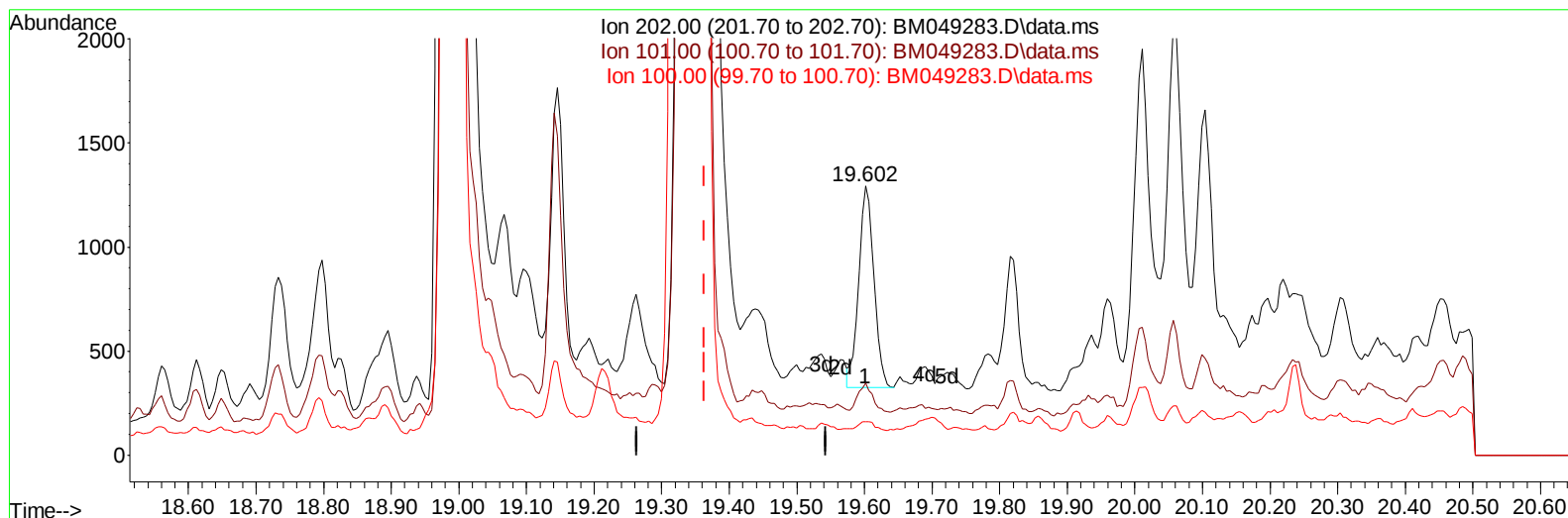
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(20) Pyrene

19.602min (+ 0.238) 0.02 ng/u1

response 1506

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	26.68#
100.00	8.60	12.45#
0.00	0.00	0.00

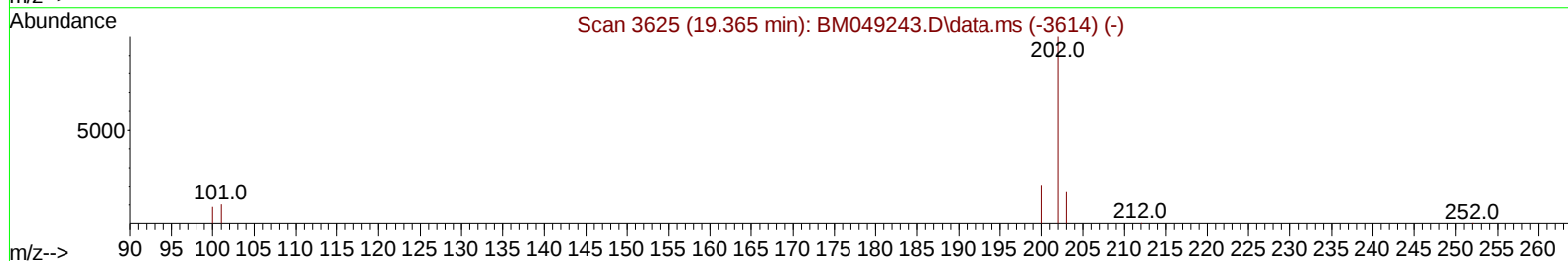
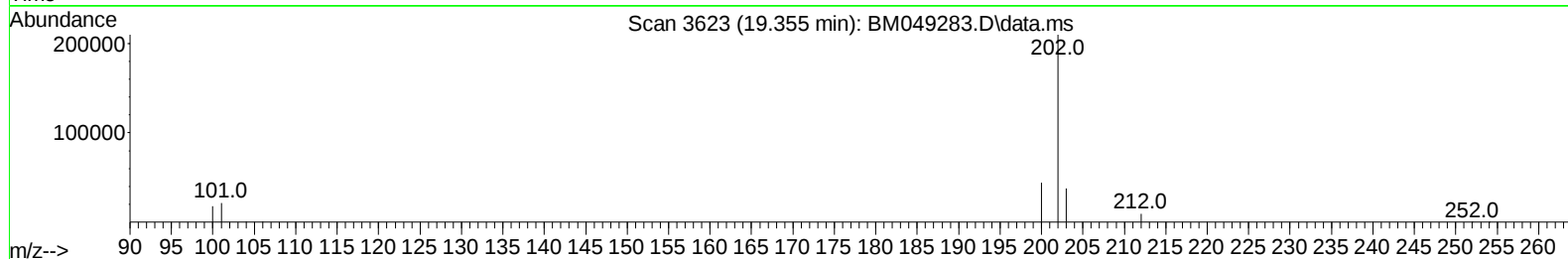
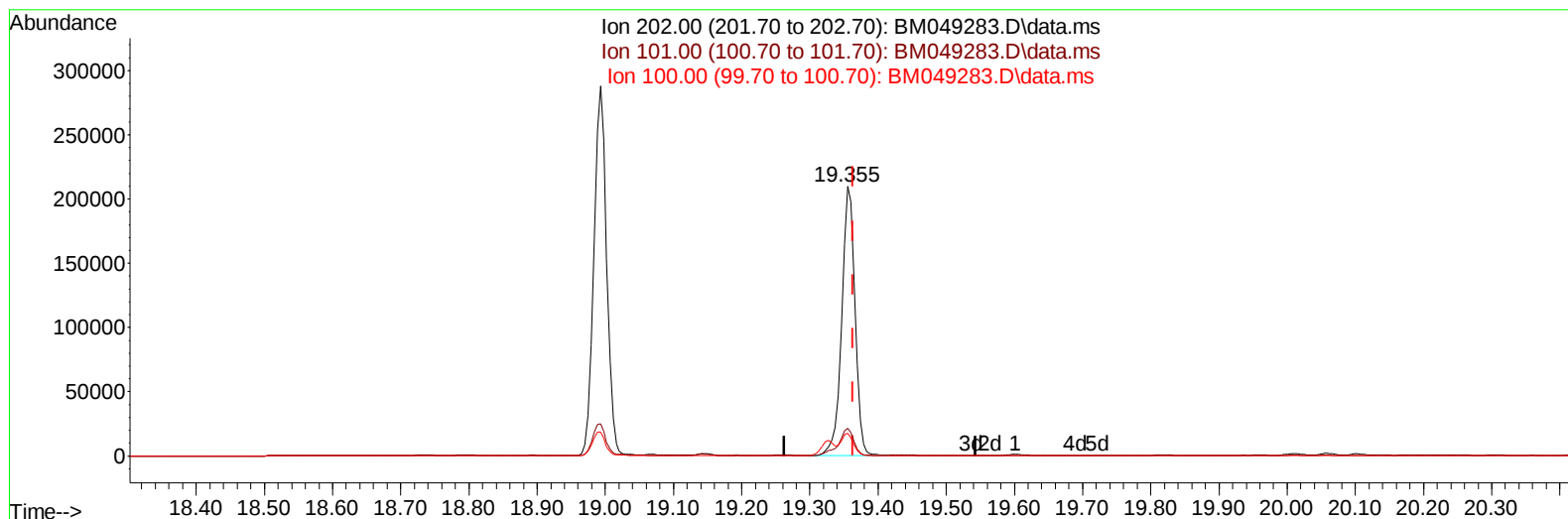
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(20) Pyrene

19.355min (-0.008) 3.11 ng/ul m

response 282942

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.10	10.32
100.00	8.60	8.38
0.00	0.00	0.00

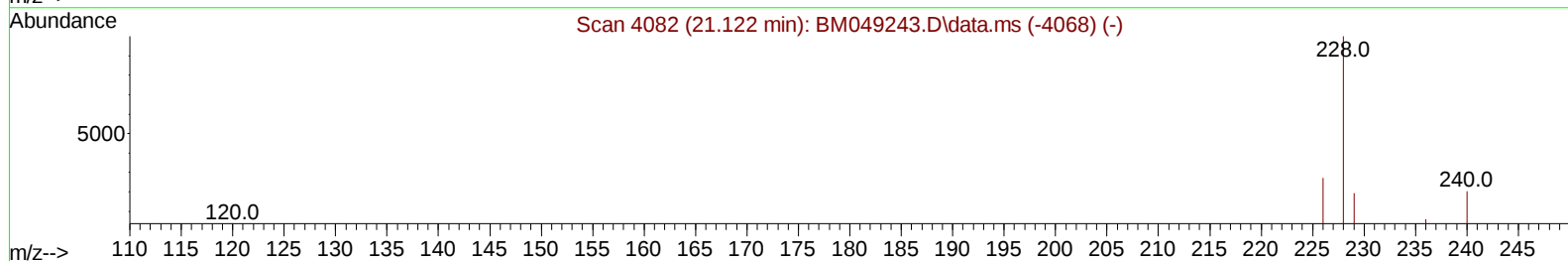
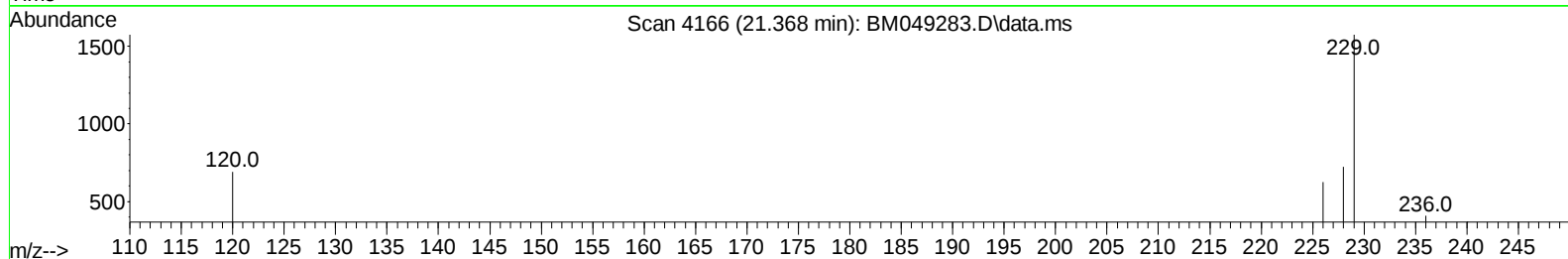
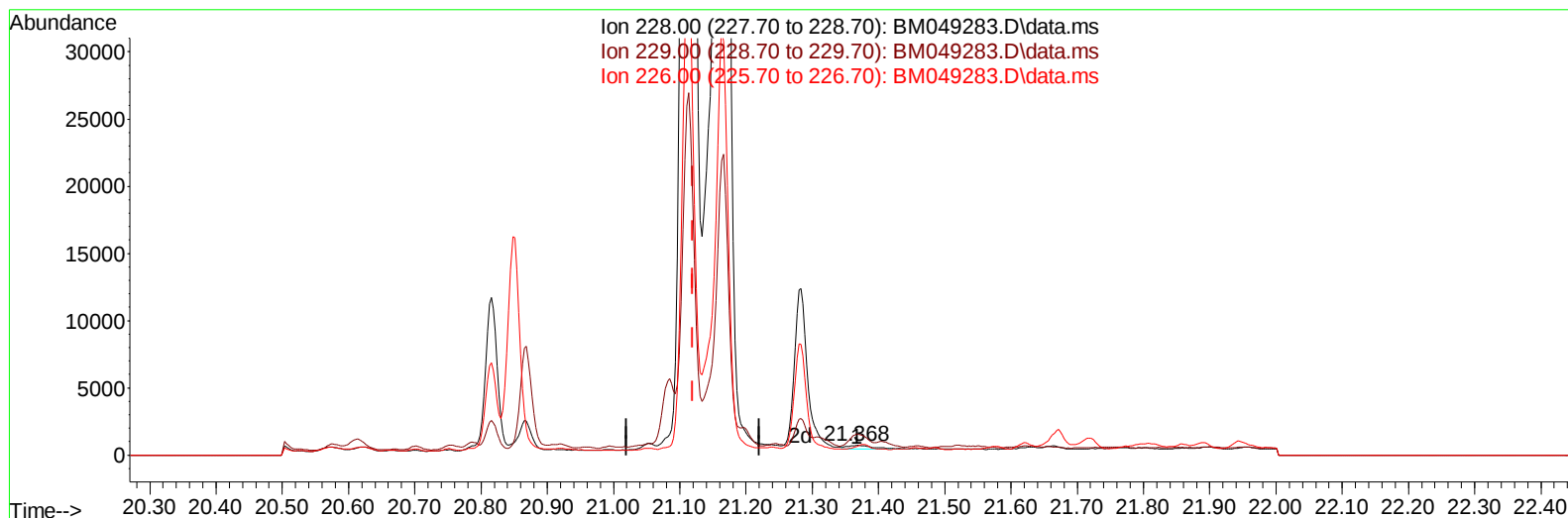
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(21) Benzo(a)anthracene

21.368min (+ 0.248) 0.01 ng/u1

response 728

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	217.10#
226.00	28.30	86.34#
0.00	0.00	0.00

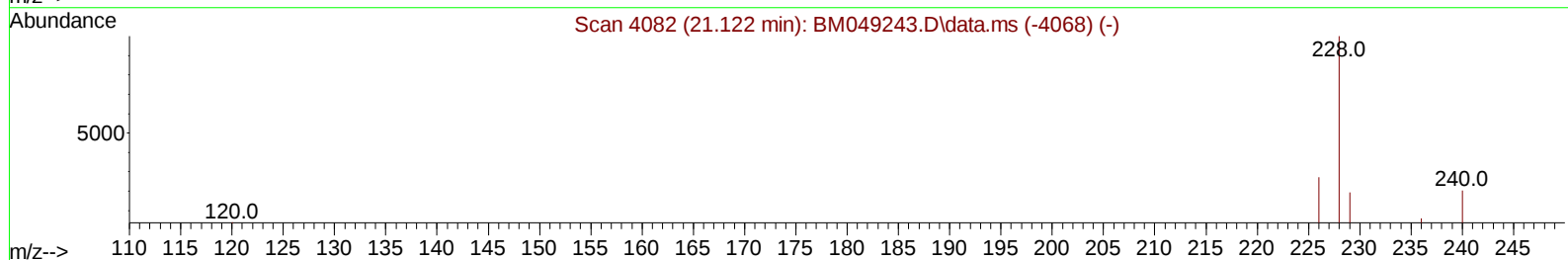
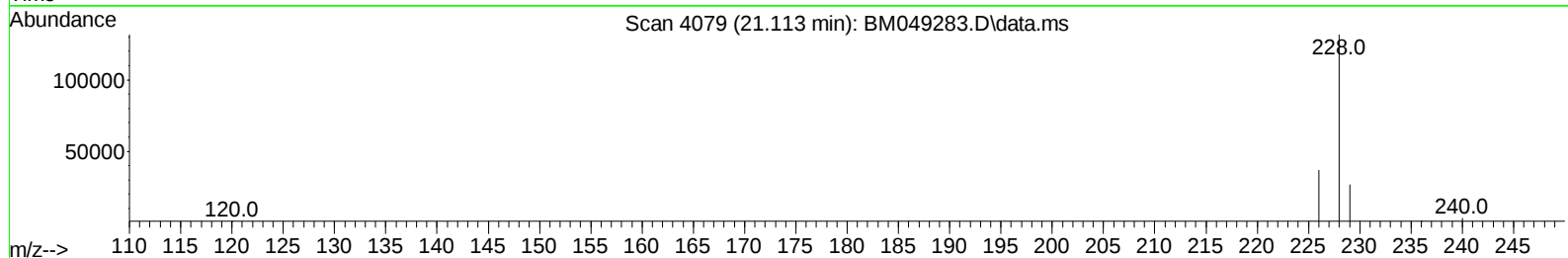
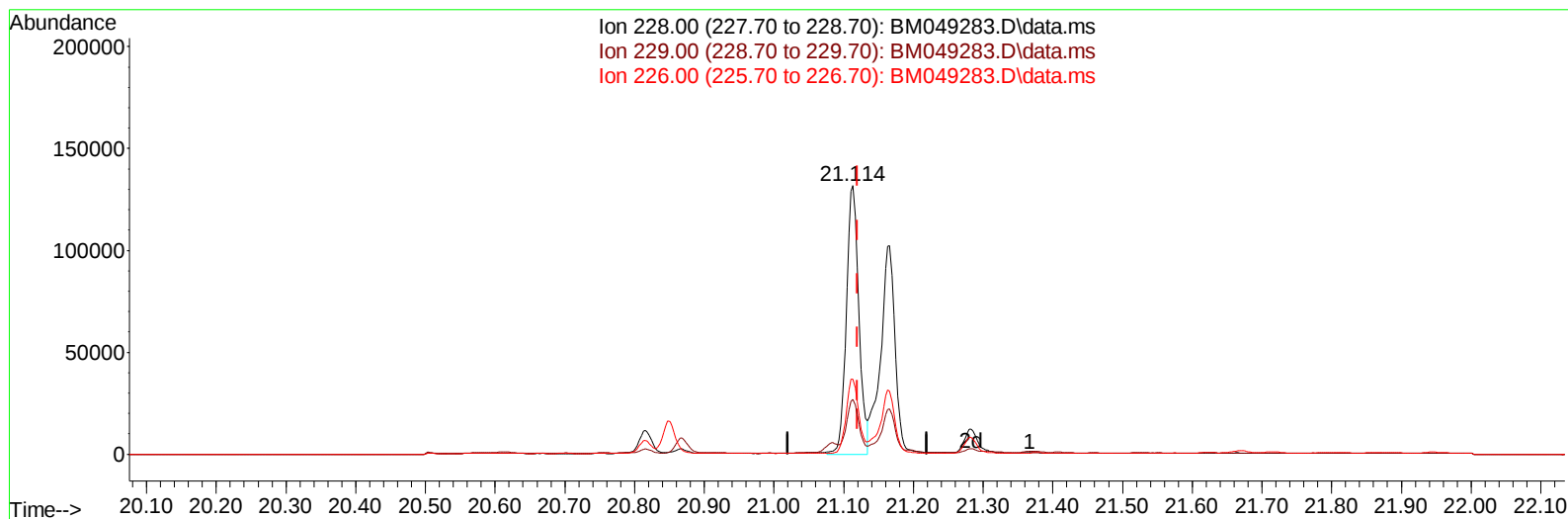
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(21) Benzo(a)anthracene

21.113min (-0.006) 2.01 ng/ul m

response 164481

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	20.46
226.00	28.30	27.95
0.00	0.00	0.00

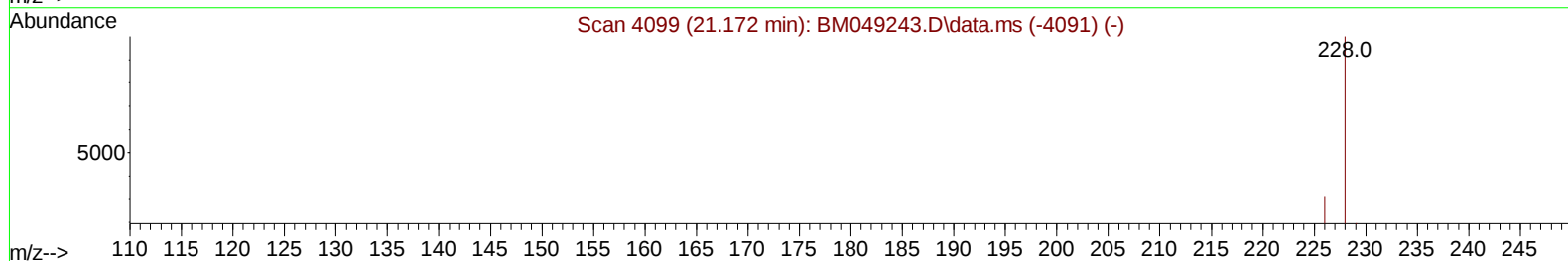
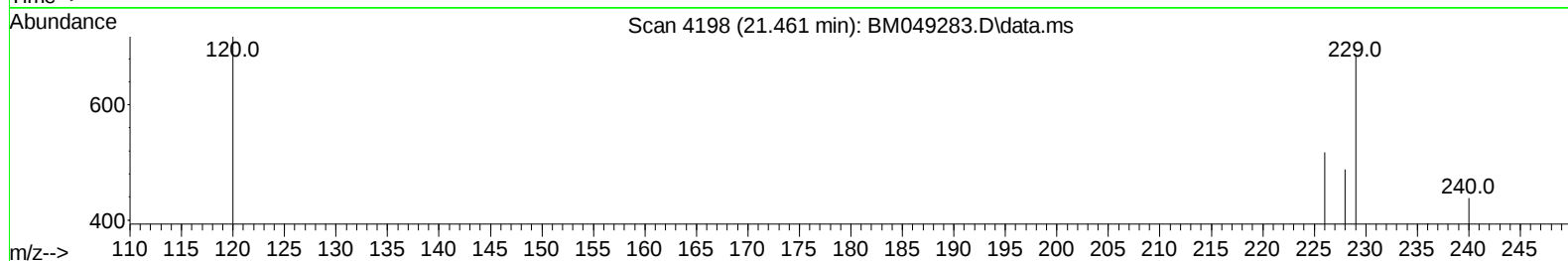
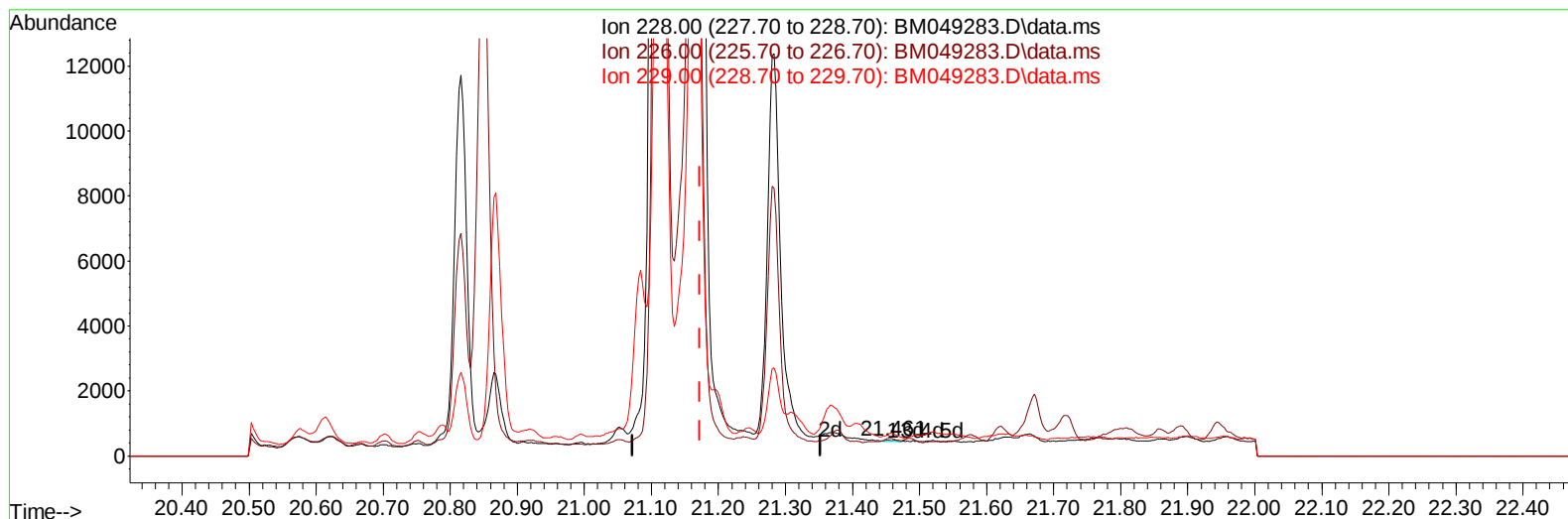
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(22) Chrysene

21.461min (+ 0.289) 0.00 ng/u1

response 54

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	106.15#
229.00	19.80	140.16#
0.00	0.00	0.00

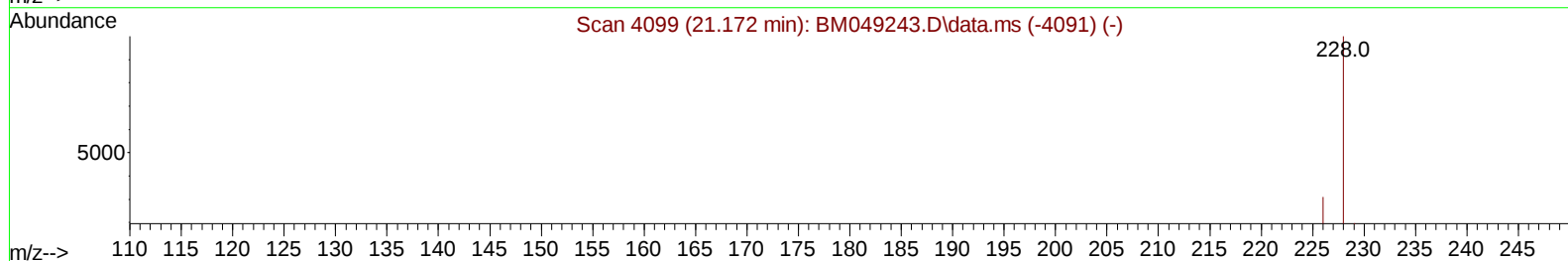
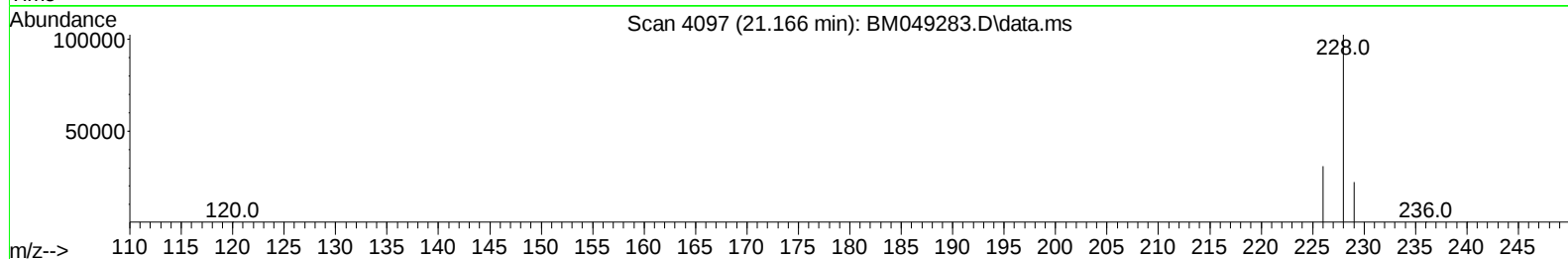
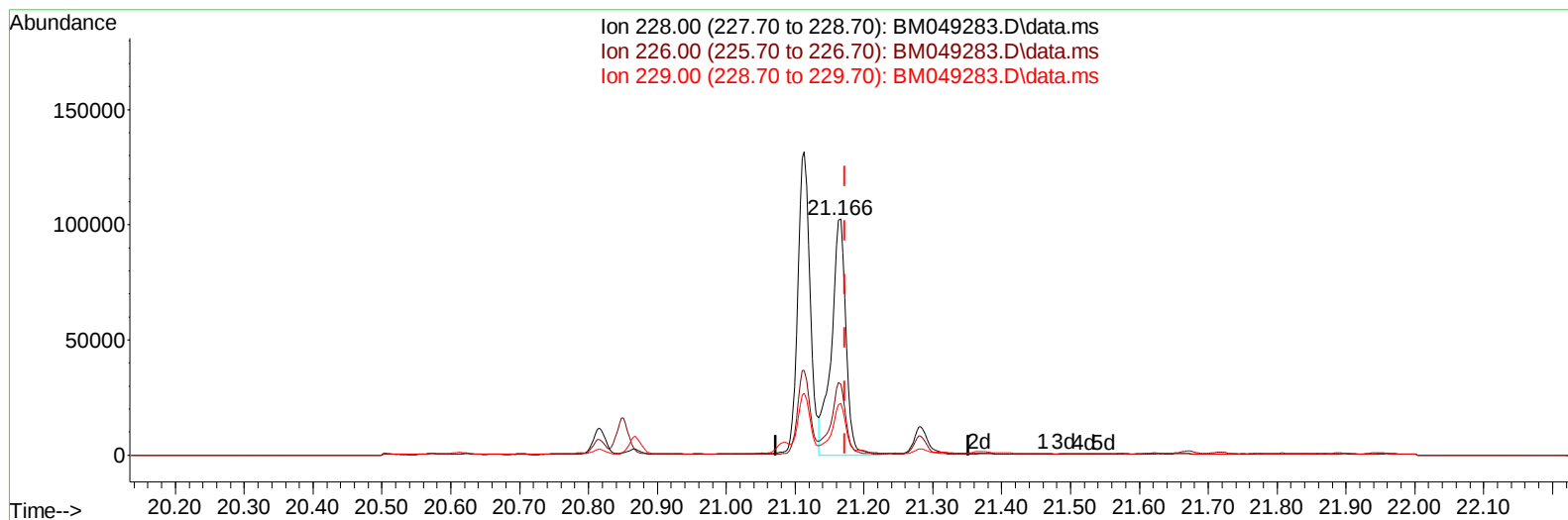
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

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

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration



TIC: BM049283.D\data.ms

(22) Chrysene

21.166min (-0.006) 1.72 ng/u1 m

response 151175

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	30.06
229.00	19.80	21.83
0.00	0.00	0.00

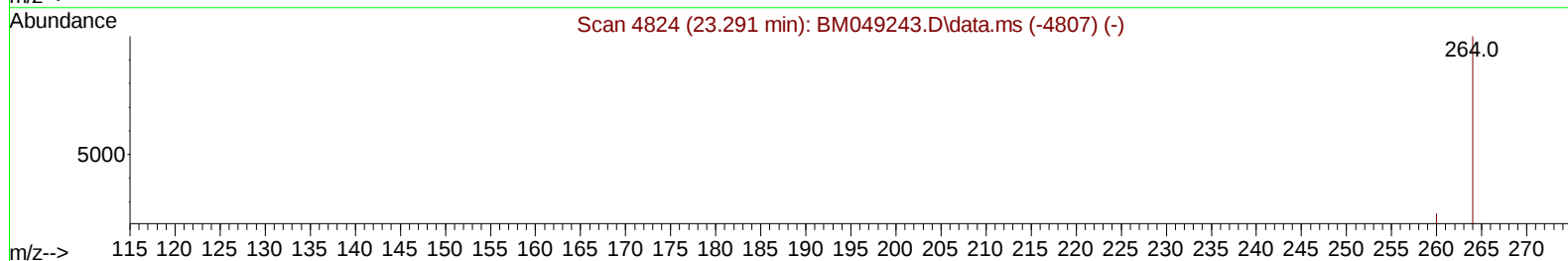
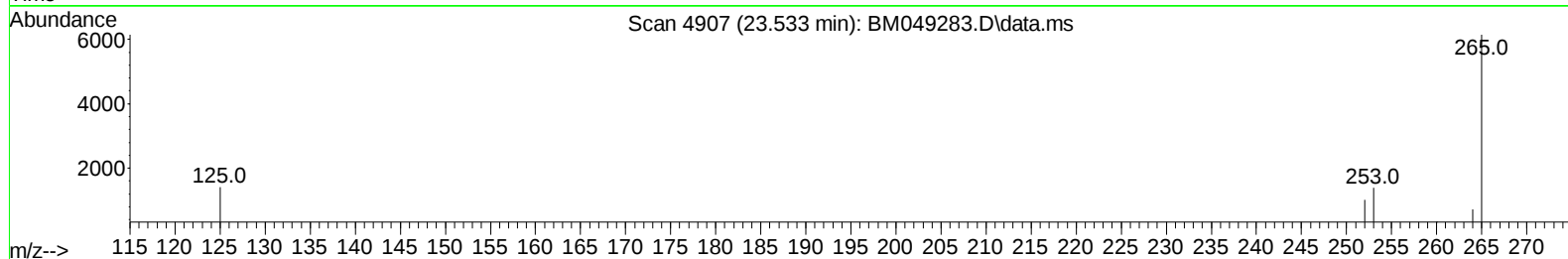
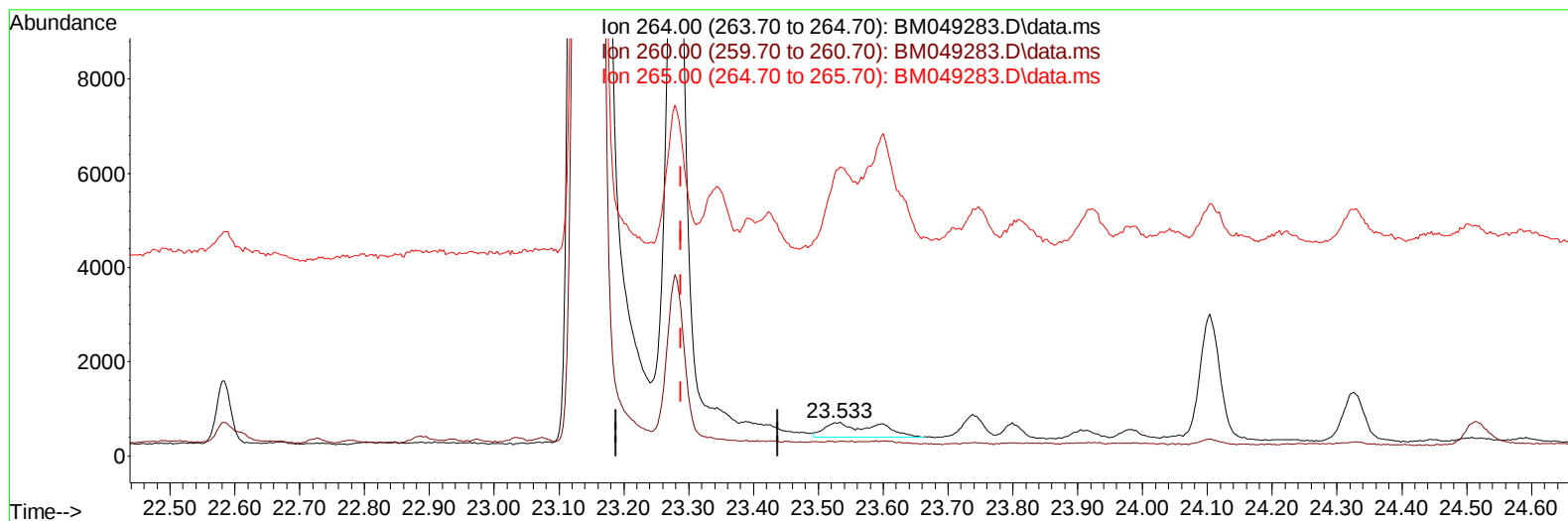
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(23) Perylene-d12 (I)

23.533min (+ 0.245) 0.40 ng/u1

response 1824

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	44.91#
265.00	78.30	857.18#
0.00	0.00	0.00

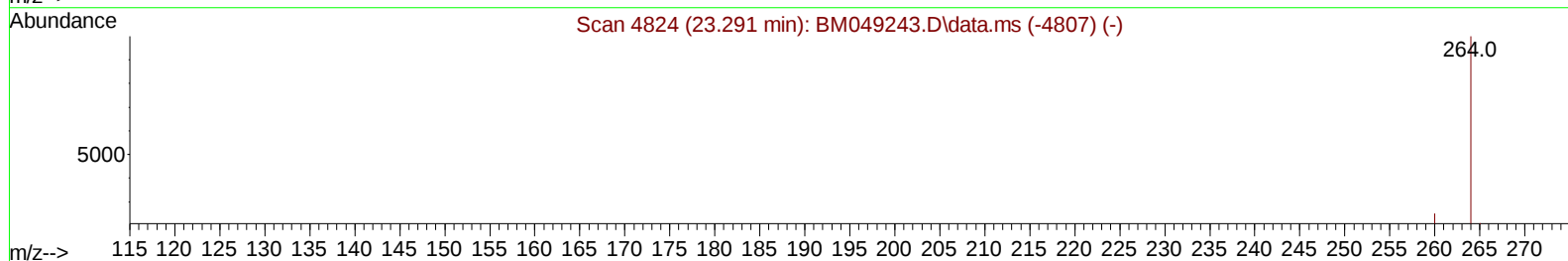
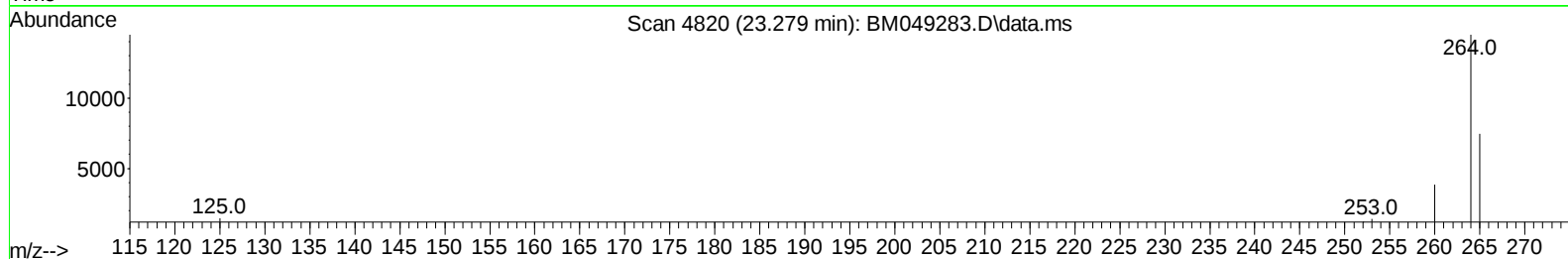
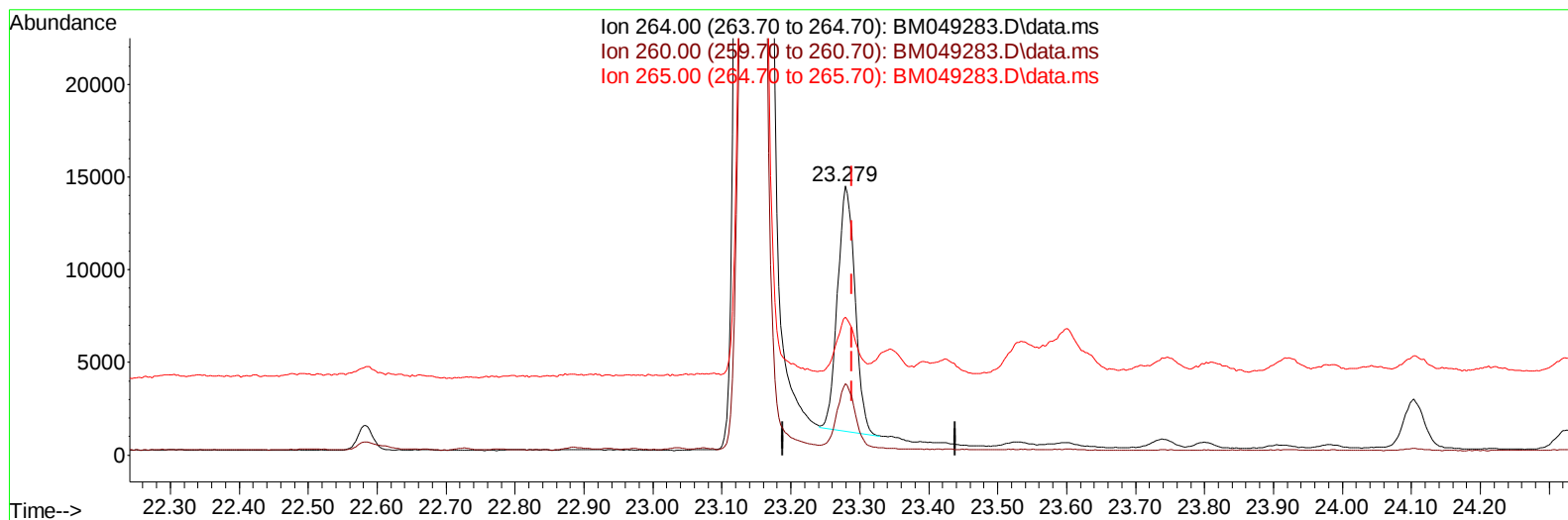
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(23) Perylene-d12 (I)

23.279min (-0.009) 0.40 ng/ul m

response 23388

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.80	26.52
265.00	78.30	51.39#
0.00	0.00	0.00

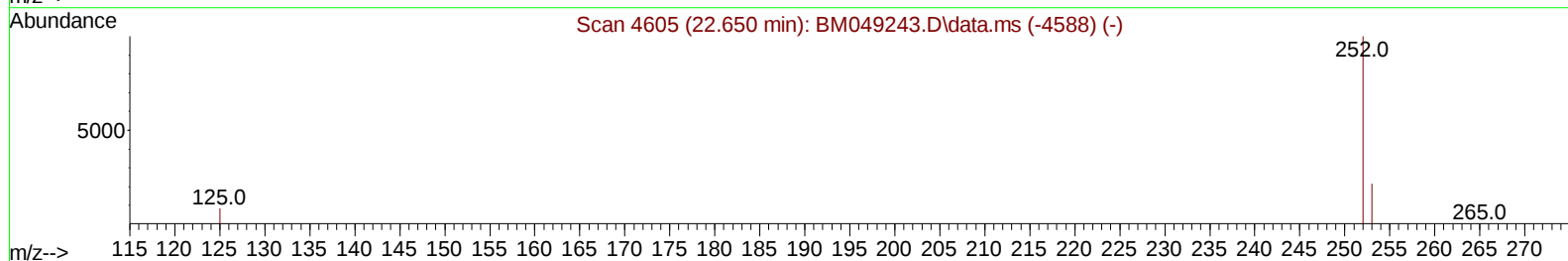
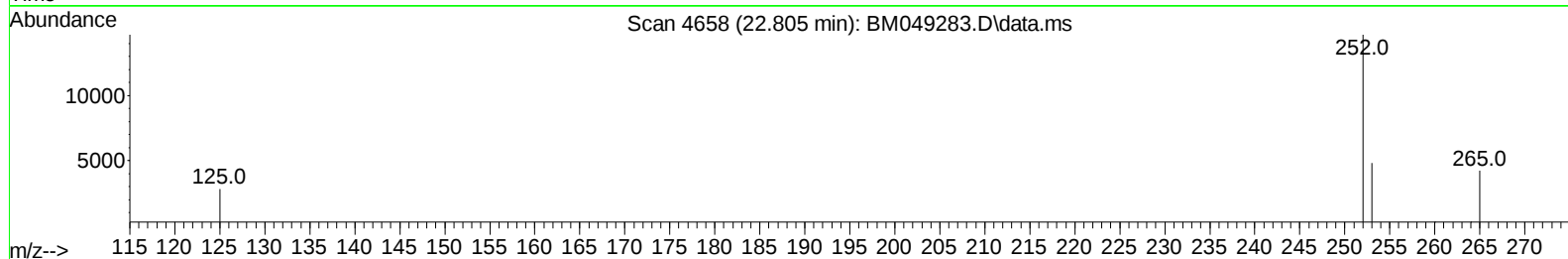
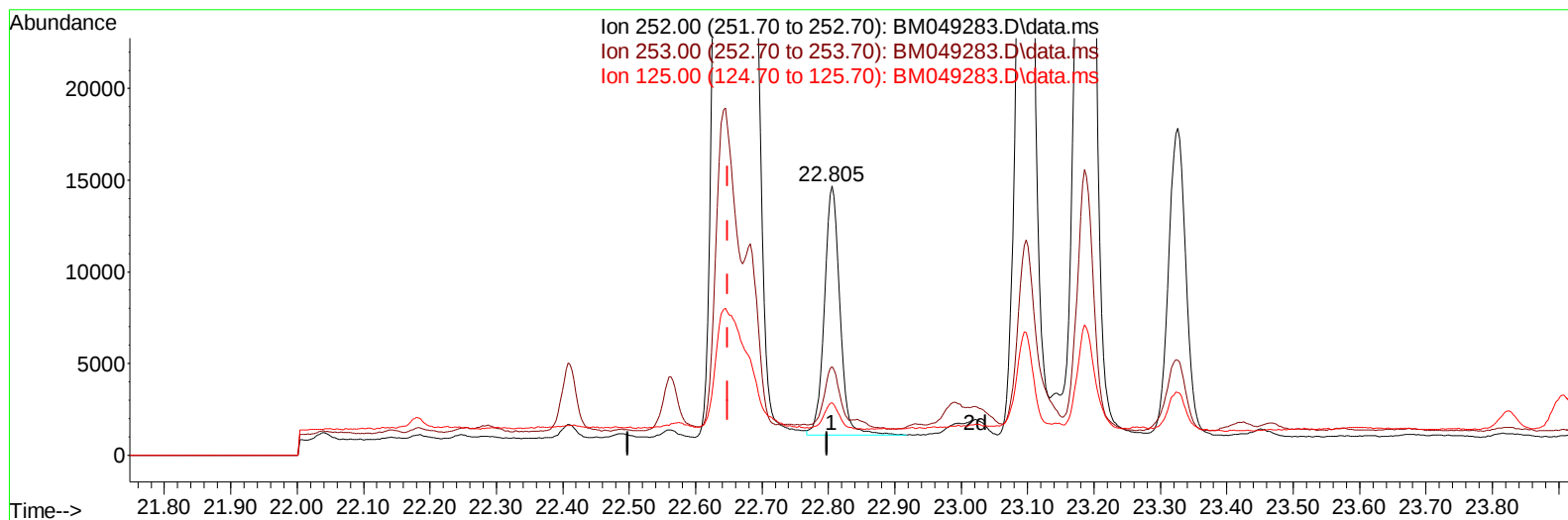
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(24) Benzo(b)fluoranthene

22.805min (+ 0.157) 0.30 ng/u1

response 22379

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	32.89
125.00	15.40	19.39
0.00	0.00	0.00

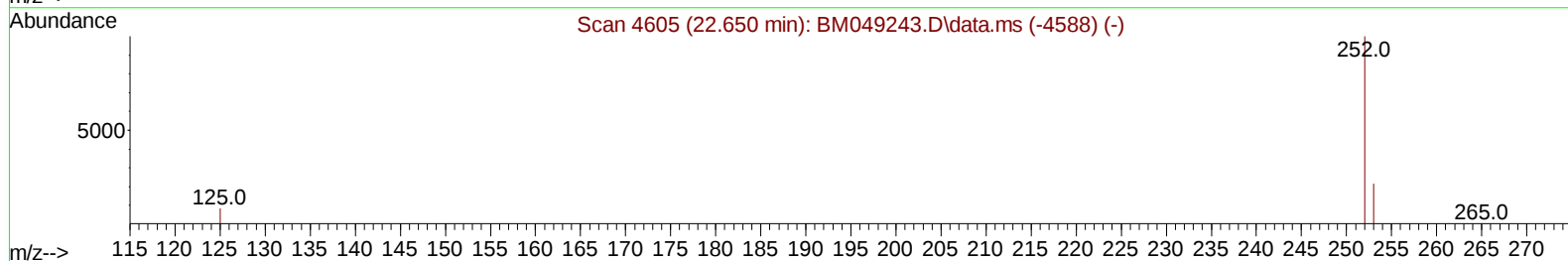
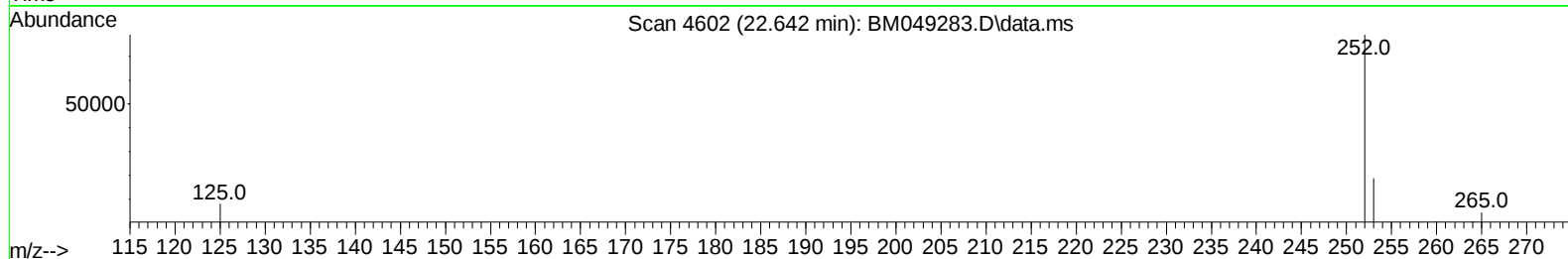
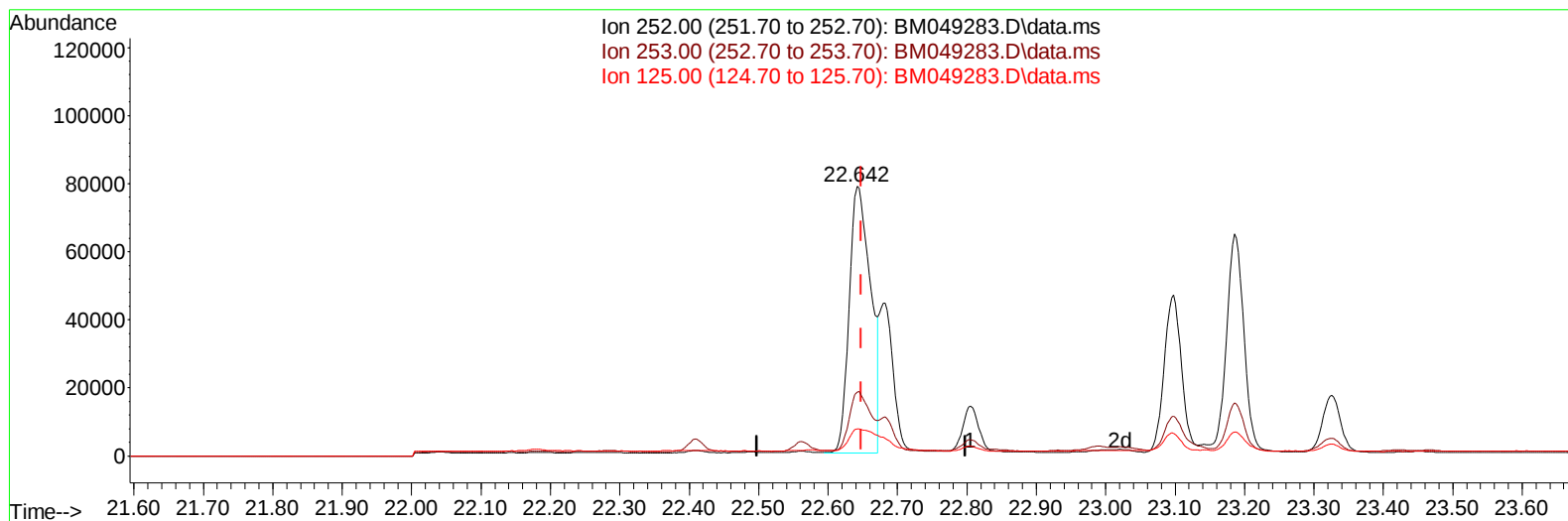
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049283.D
 Acq On : 28 Dec 2024 09:09
 Operator : RC/JU
 Sample : P5351-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(24) Benzo(b)fluoranthene

22.642min (-0.006) 2.25 ng/u1 m

response 167942

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.30	23.79
125.00	15.40	10.05
0.00	0.00	0.00

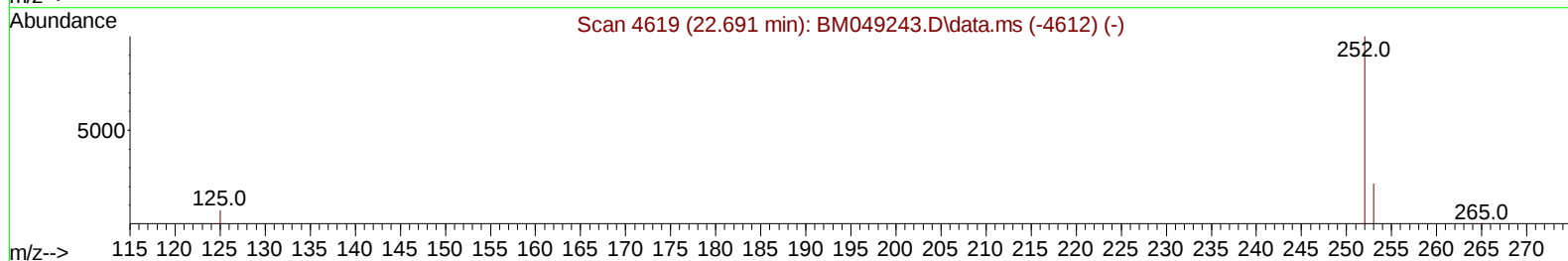
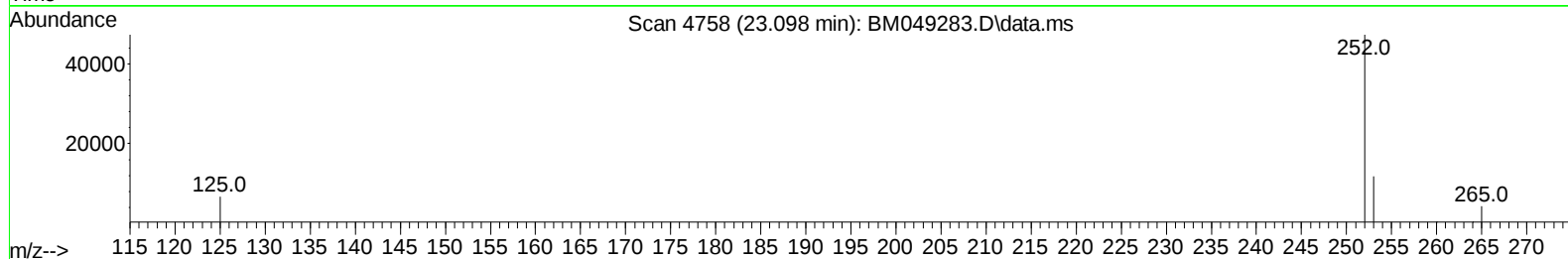
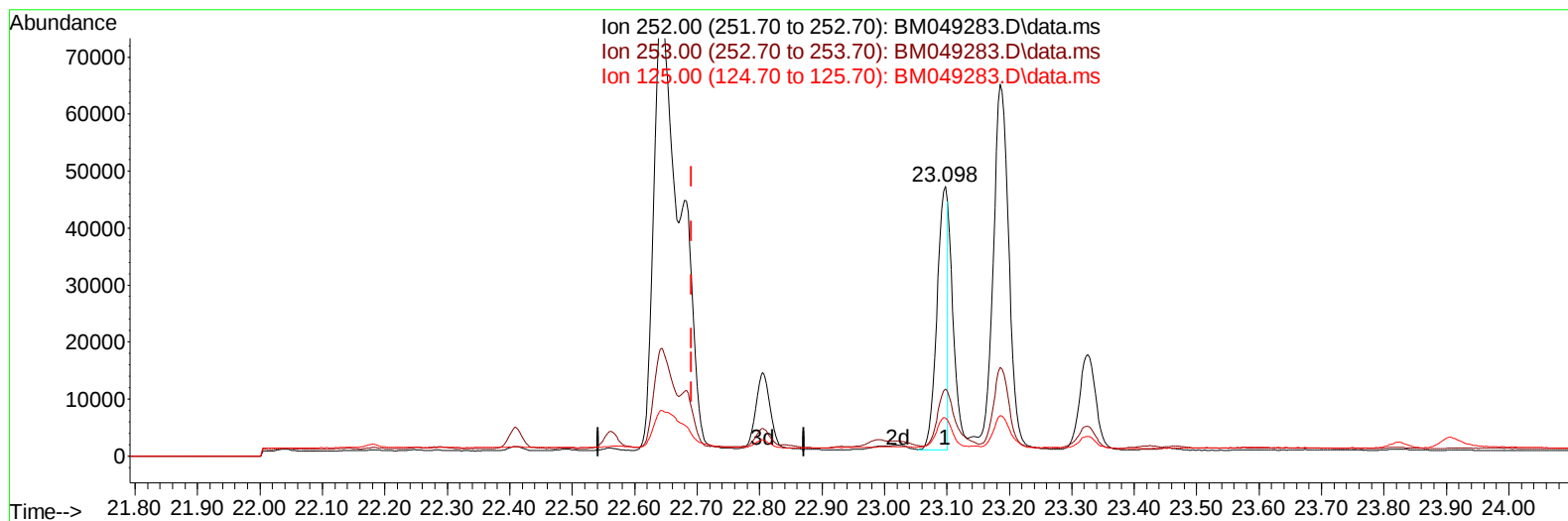
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(25) Benzo(k)fluoranthene

23.098min (+ 0.406) 0.66 ng/u1

response 53968

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	24.82
125.00	15.70	14.15
0.00	0.00	0.00

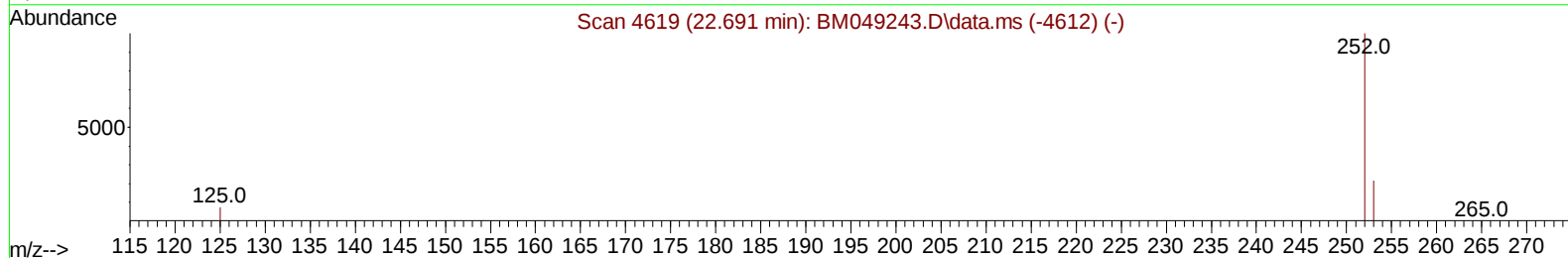
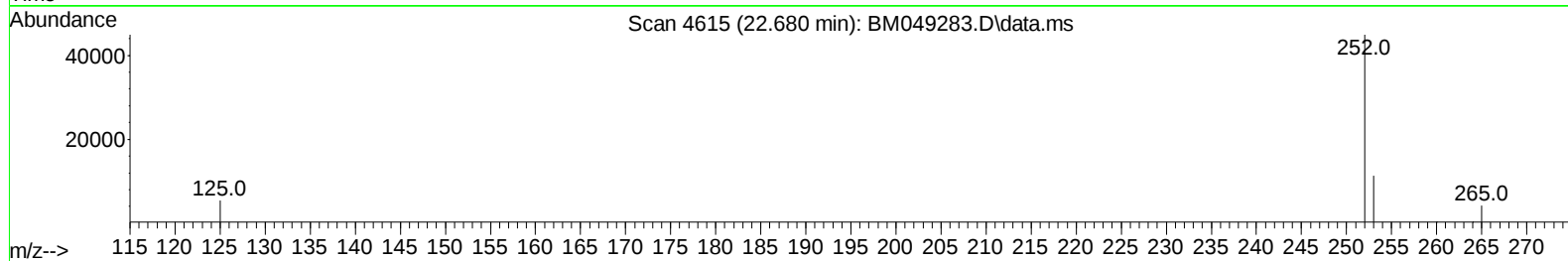
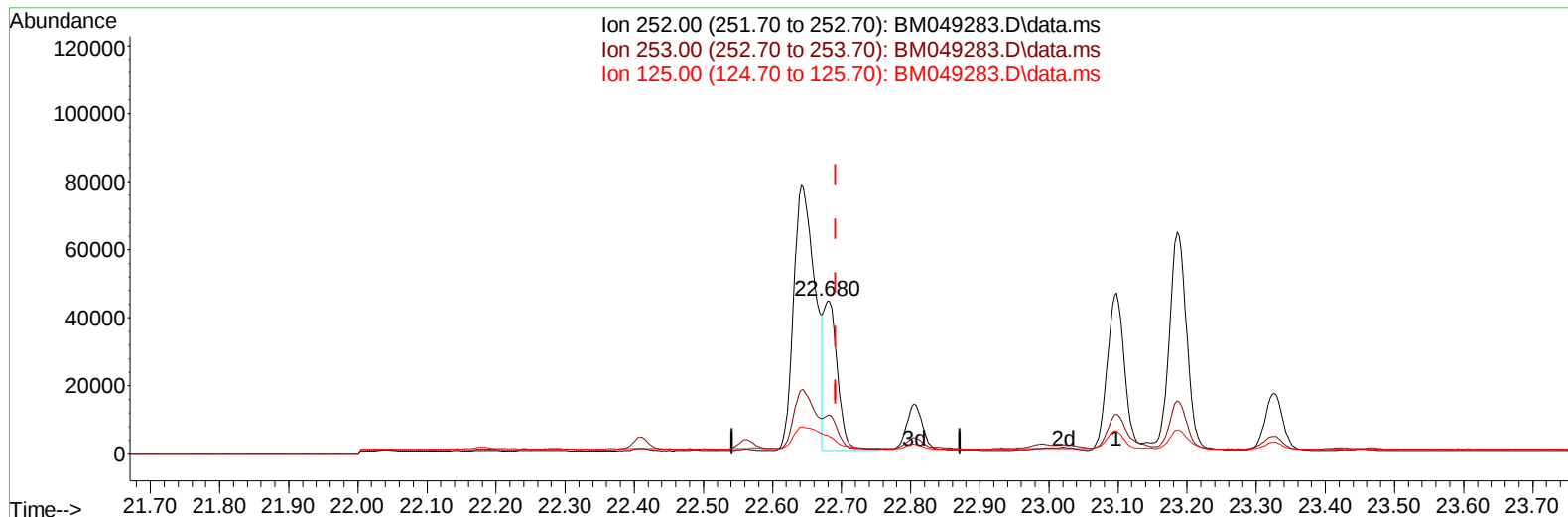
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(25) Benzo(k)fluoranthene

22.680min (-0.012) 0.76 ng/u1 m

response 61993

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.60	25.26
125.00	15.70	12.14#
0.00	0.00	0.00

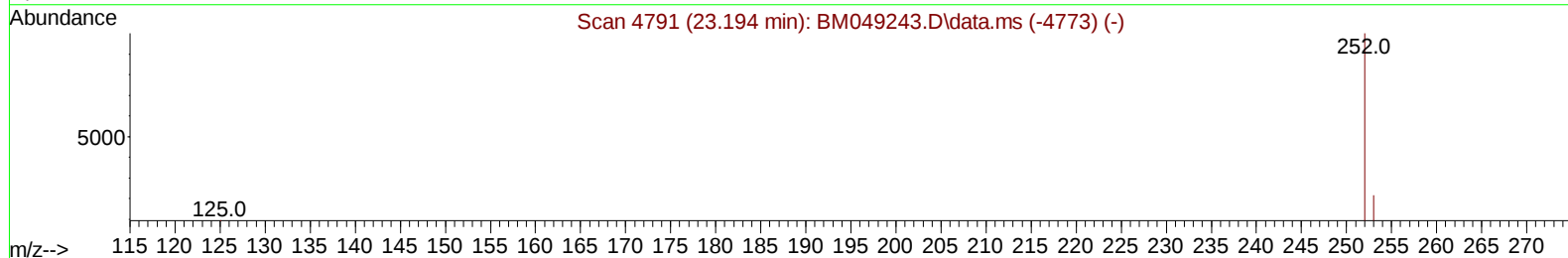
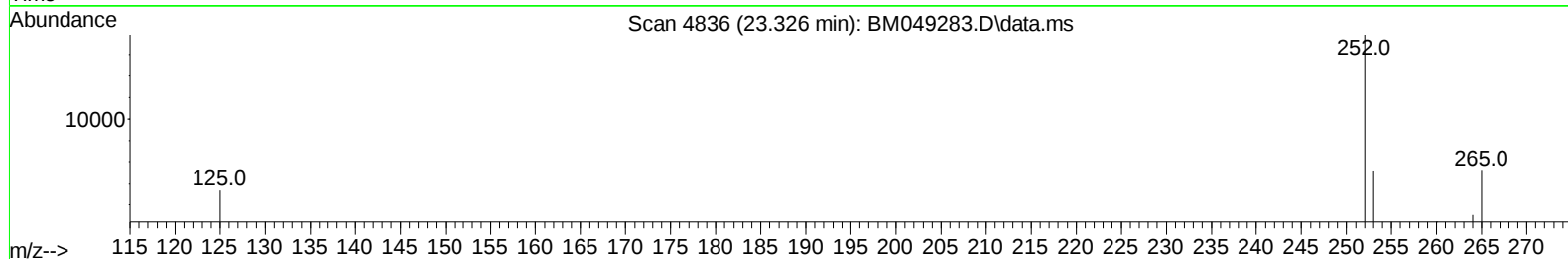
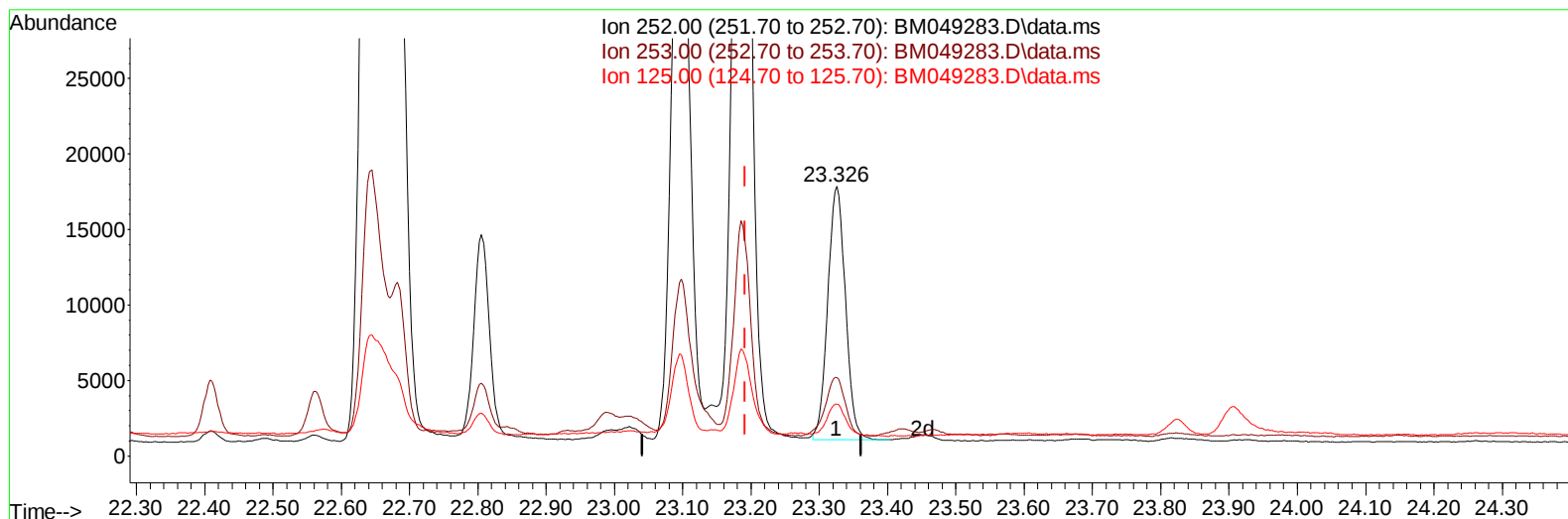
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(26) Benzo(a)pyrene (C)

23.326min (+ 0.134) 0.42 ng/u1

response 30225

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	29.03
125.00	18.50	19.20
0.00	0.00	0.00

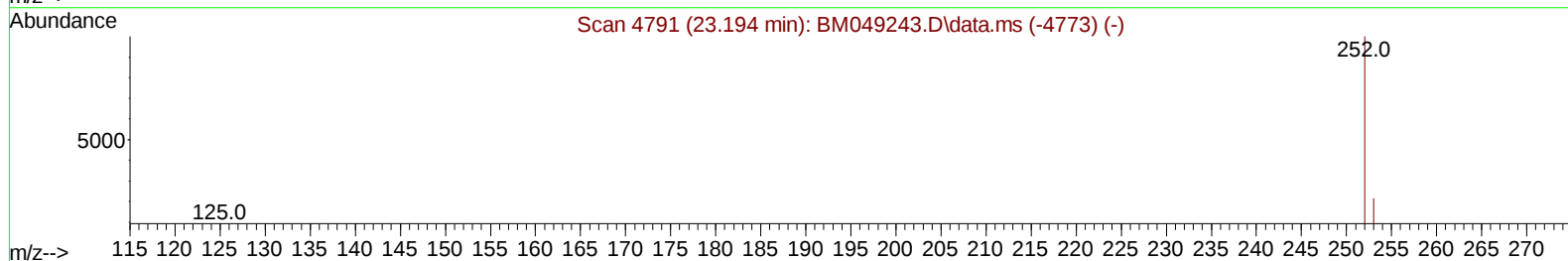
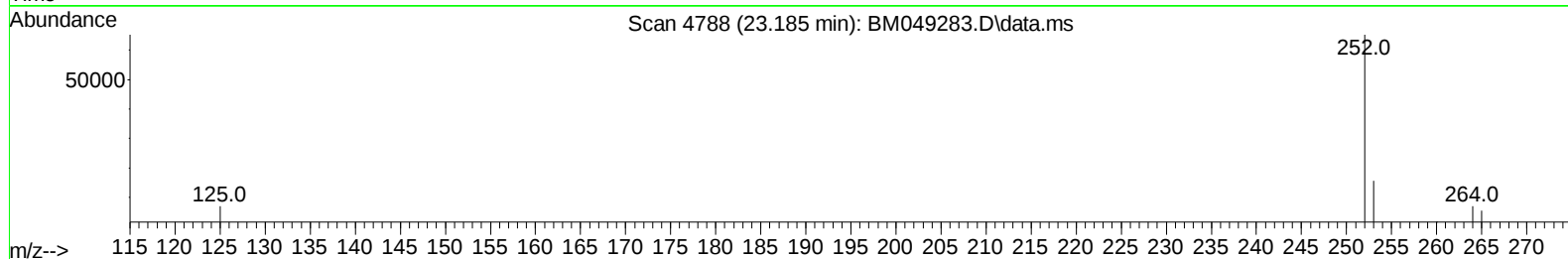
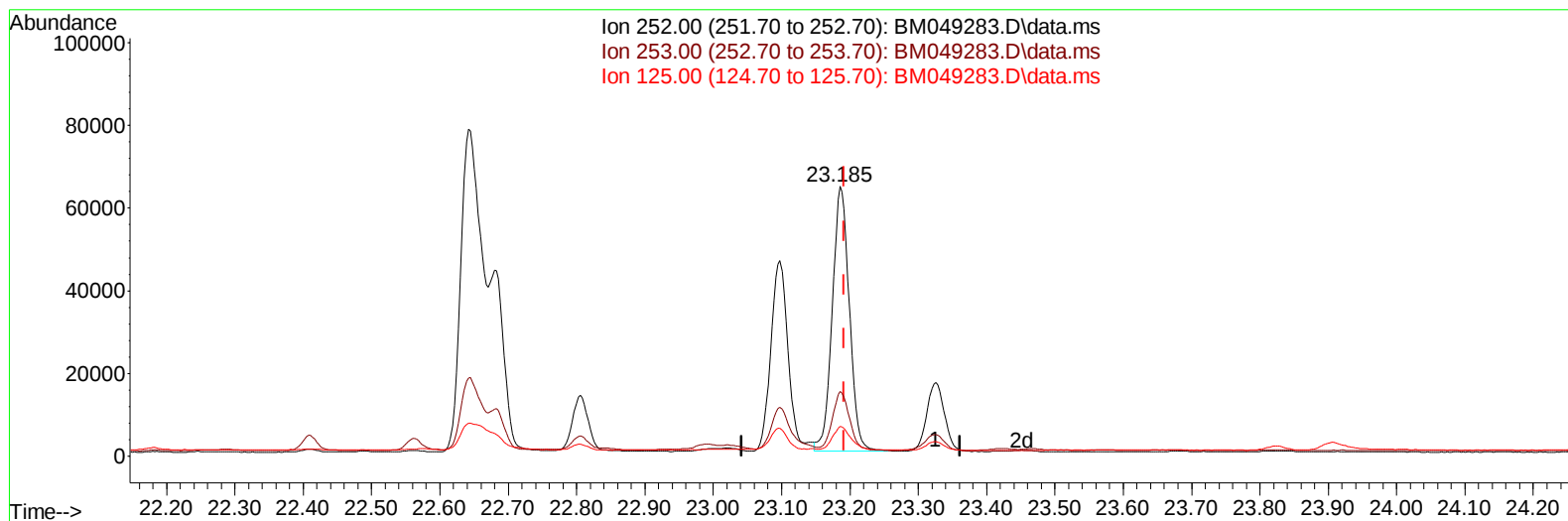
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

(26) Benzo(a)pyrene (C)

23.185min (-0.006) 1.56 ng/u1 m

response 111580

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.00	23.88
125.00	18.50	10.88#
0.00	0.00	0.00

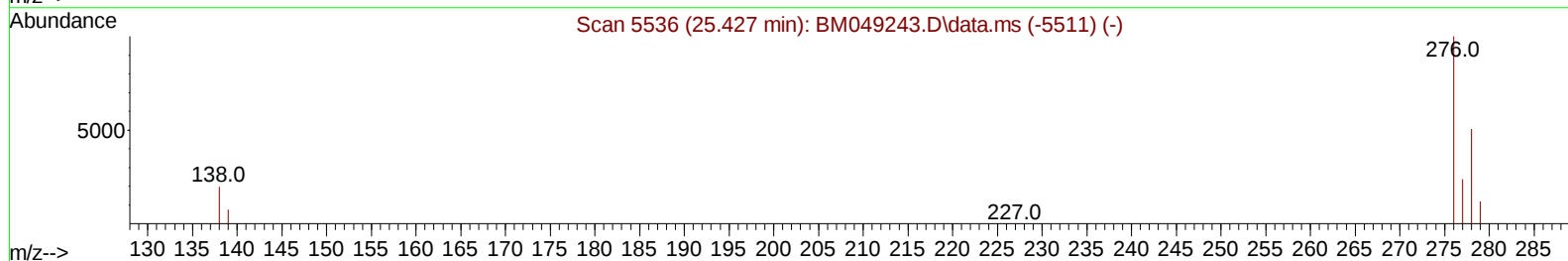
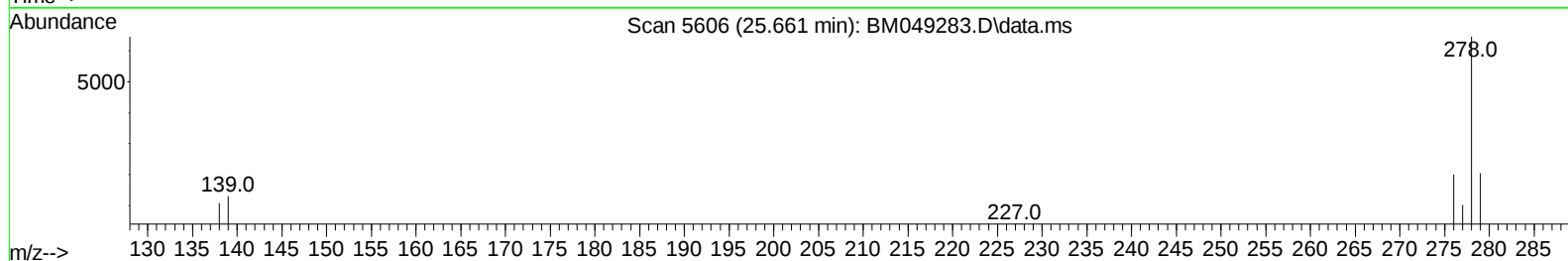
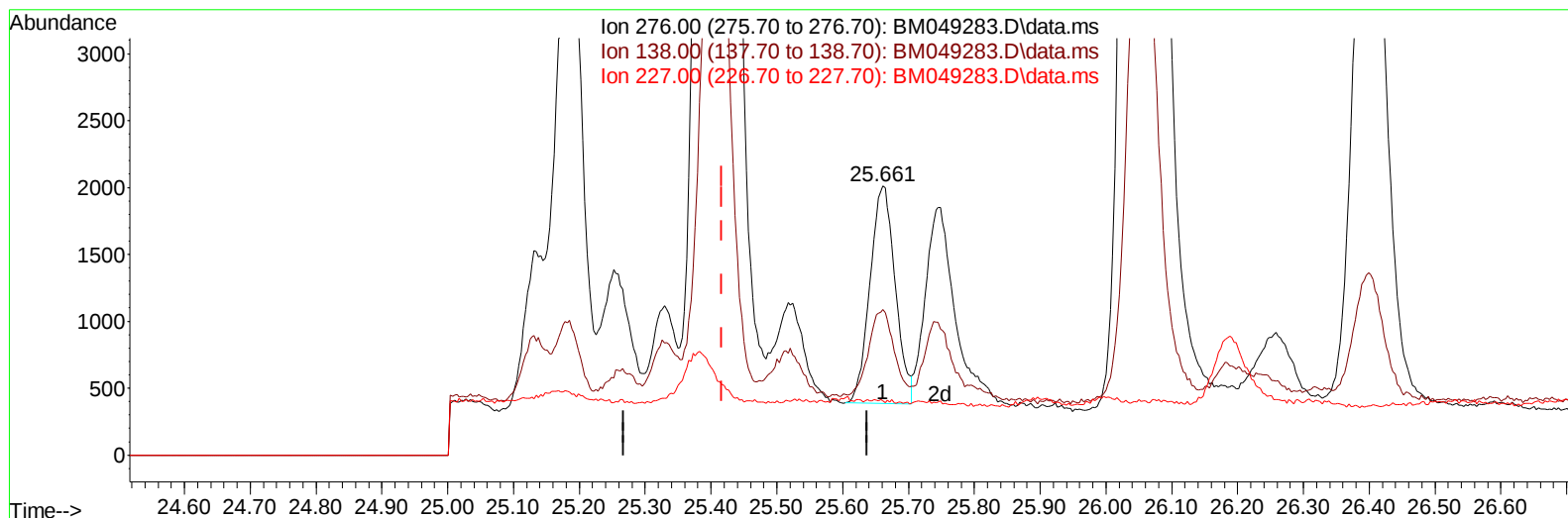
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 11:35:38 2024
Response via : Initial Calibration

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



TIC: BM049283.D\data.ms

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

25.661min (+ 0.244) 0.04 ng/u1

response 4336

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	41.81#
227.00	0.20	0.00#
0.00	0.00	0.00

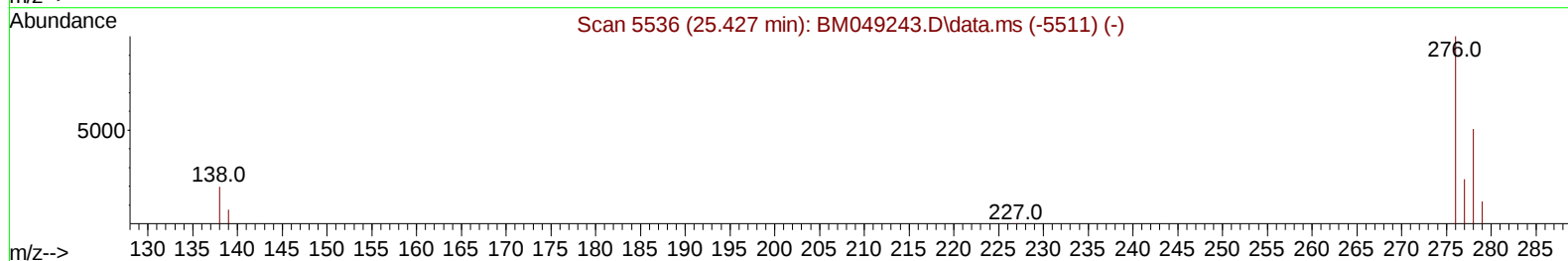
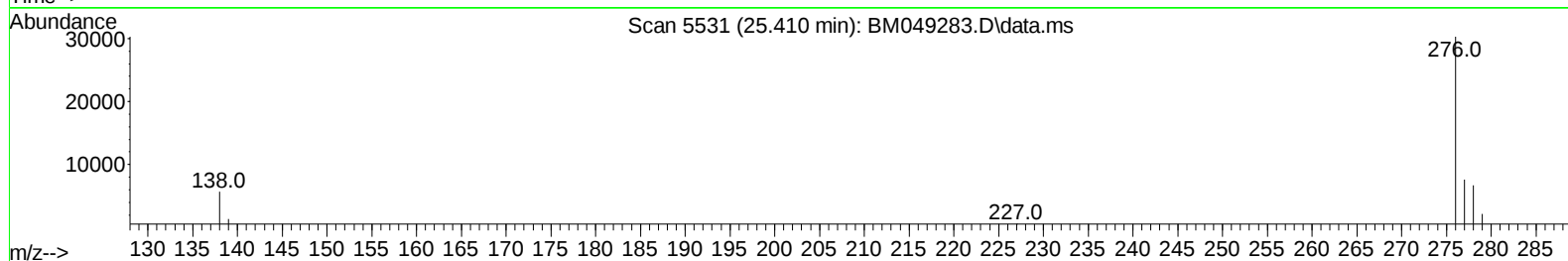
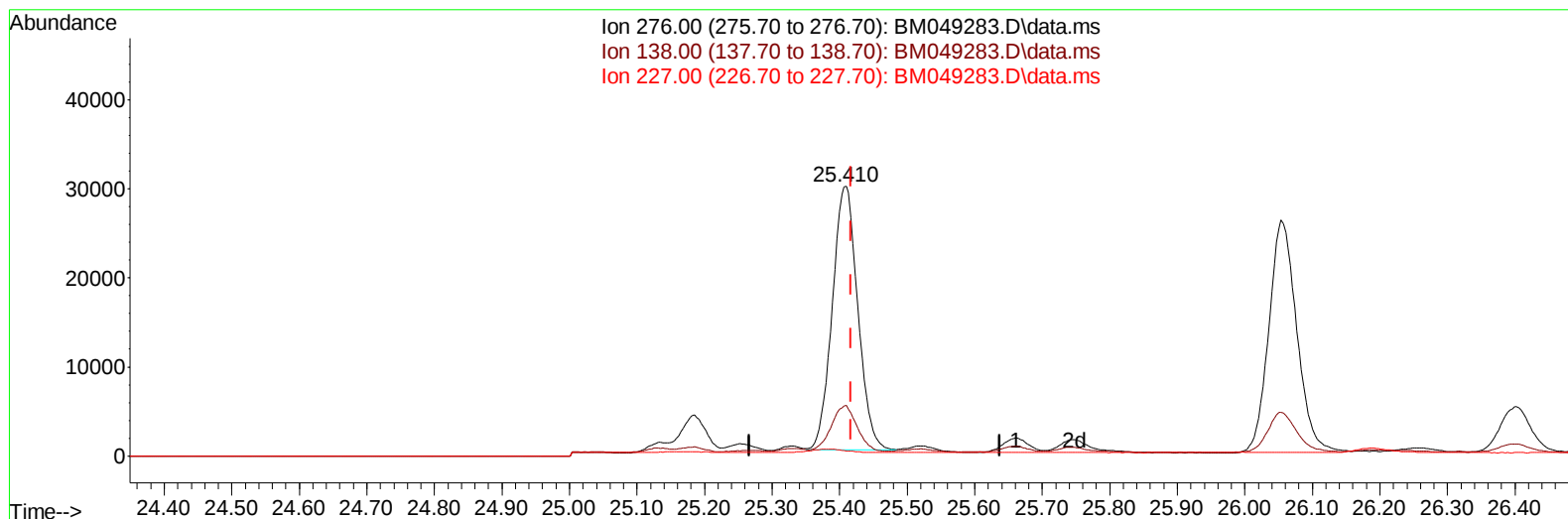
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
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QLast Update : Thu Dec 26 11:35:38 2024
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Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



TIC: BM049283.D\data.ms

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

25.410min (-0.007) 0.77 ng/u1 m

response 77618

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.80	2.34#
227.00	0.20	0.00#
0.00	0.00	0.00

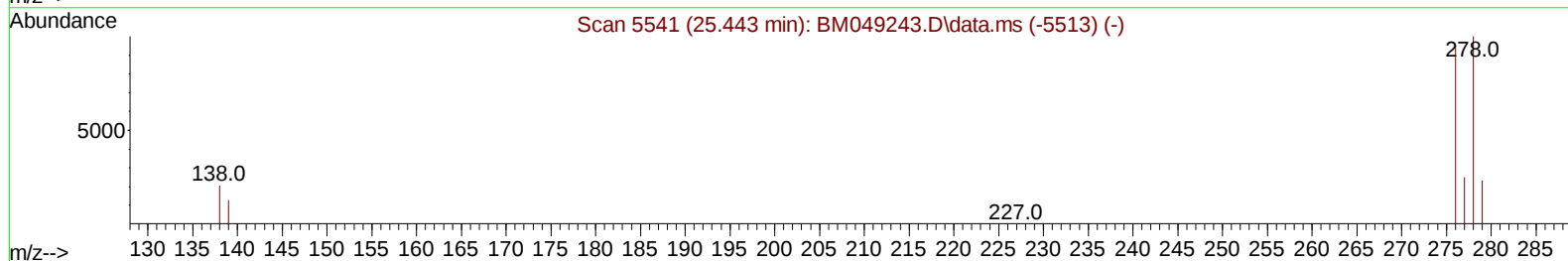
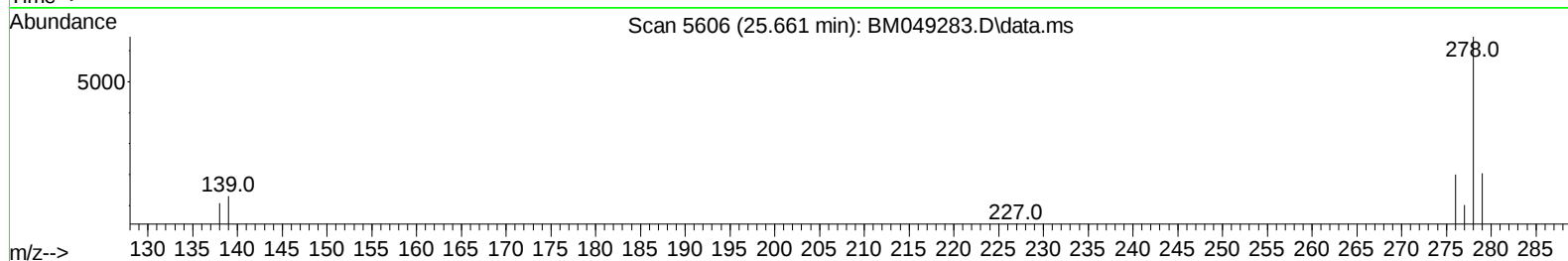
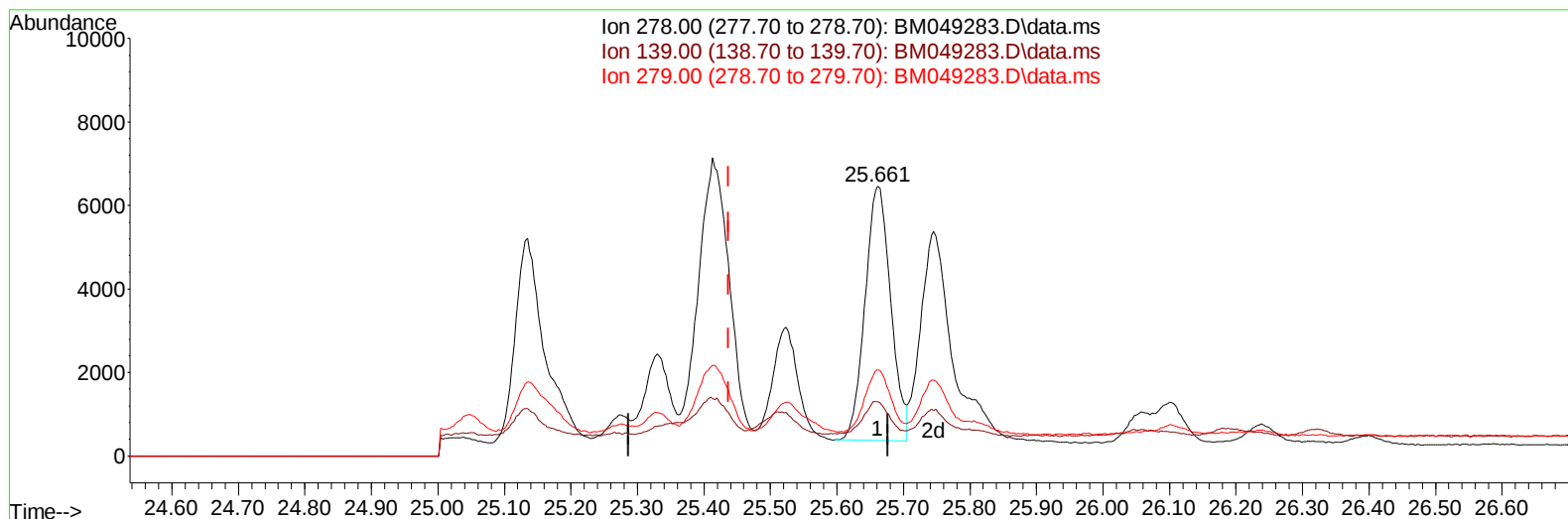
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
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TIC: BM049283.D\data.ms

(28) Dibenzo(a,h)anthracene

25.661min (+ 0.224) 0.21 ng/u1

response 16444

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	20.14
279.00	26.90	31.85
0.00	0.00	0.00

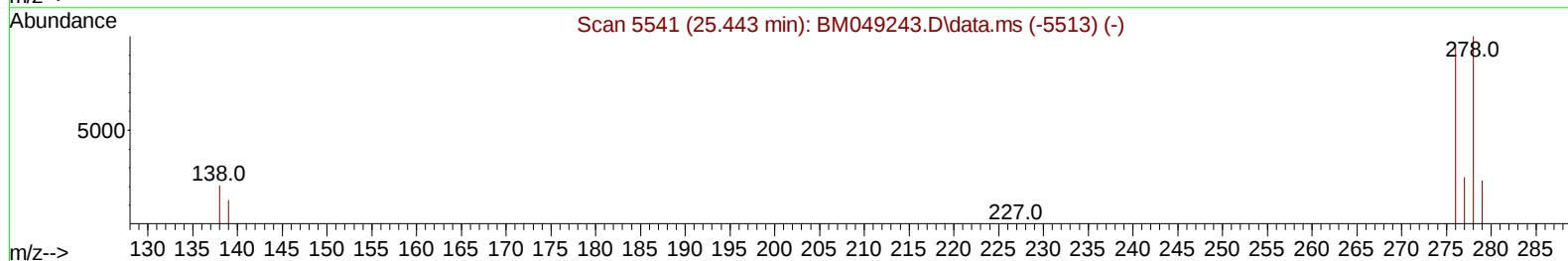
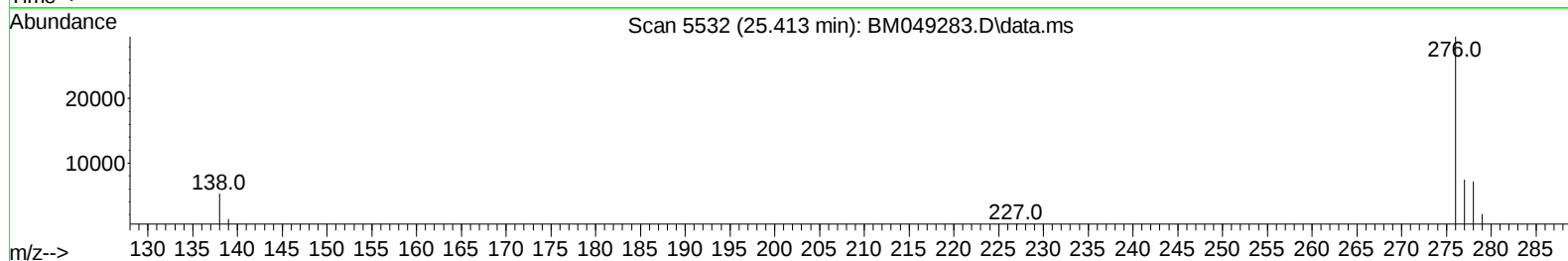
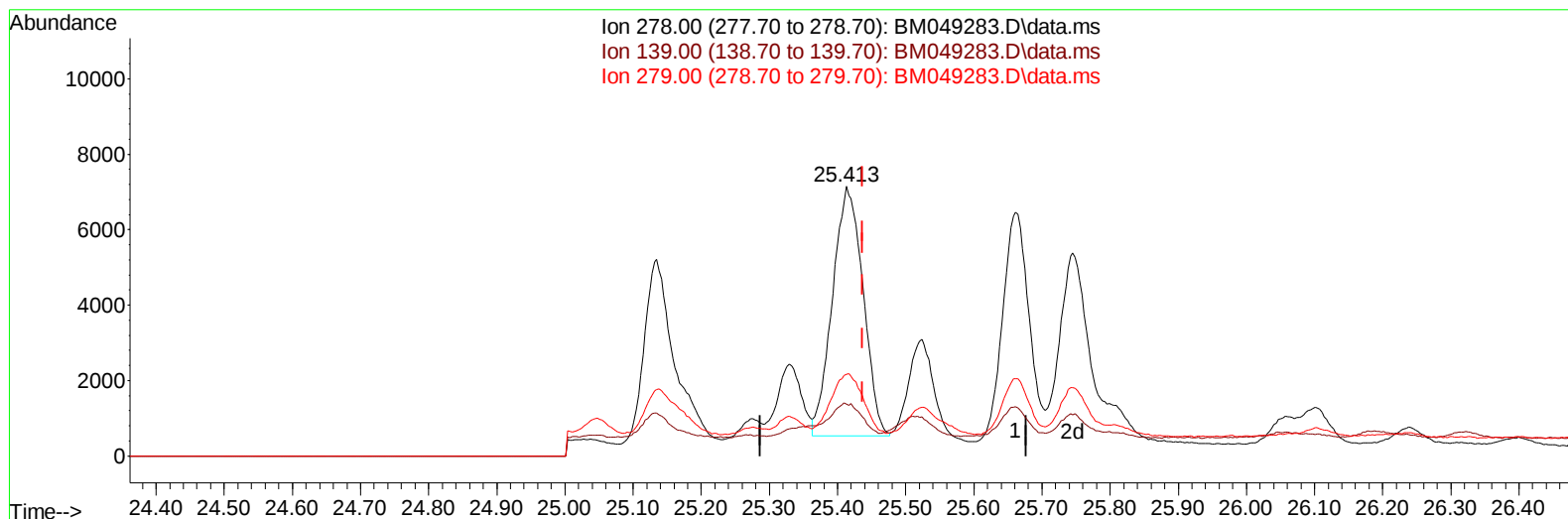
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
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Supervised By :mohammad ahmed 12/30/2024



TIC: BM049283.D\data.ms

(28) Dibenzo(a,h)anthracene

25.413min (-0.024) 0.26 ng/ul m

response 20630

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	16.90	19.20
279.00	26.90	30.33
0.00	0.00	0.00

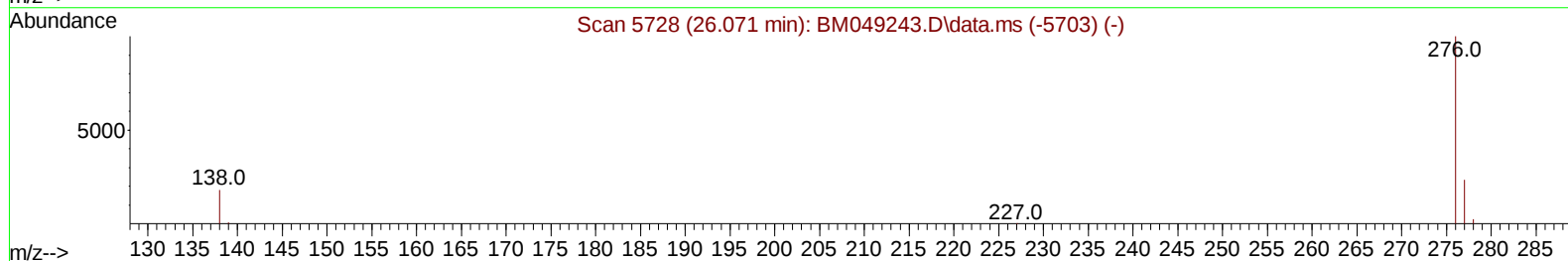
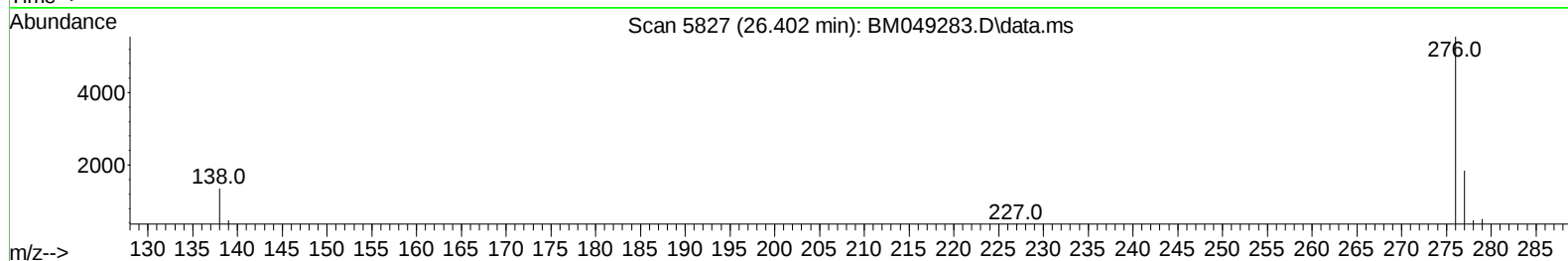
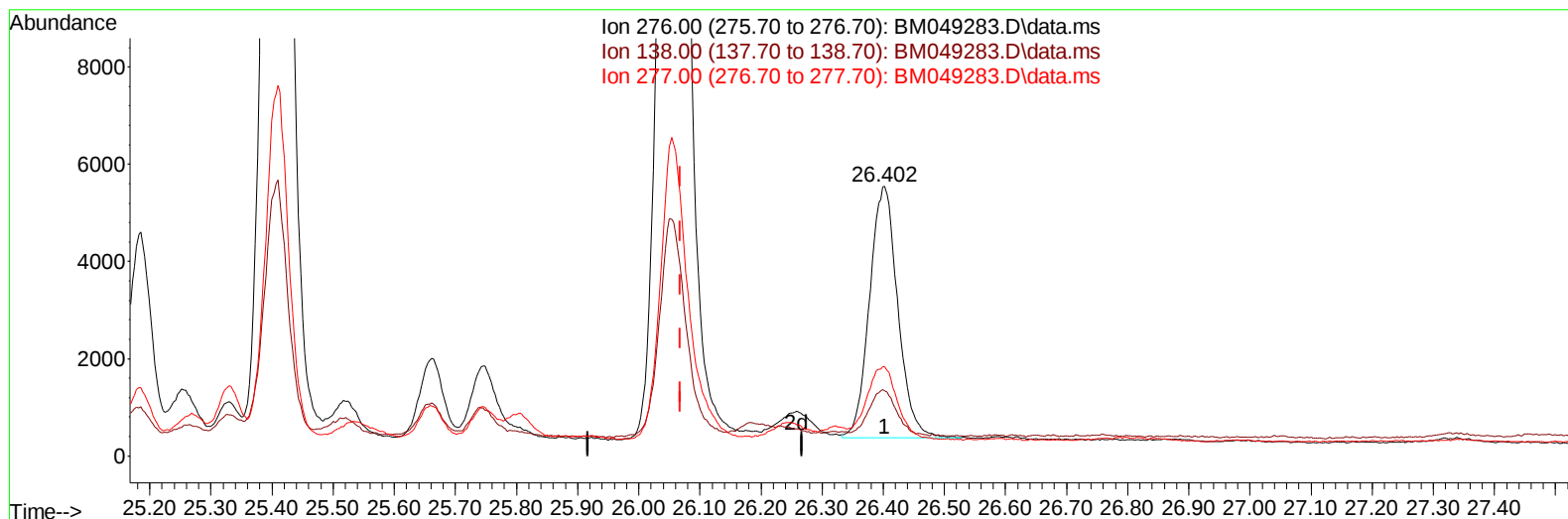
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

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

Quant Time: Dec 29 22:13:12 2024
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TIC: BM049283.D\data.ms

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

26.402min (+ 0.335) 0.20 ng/u1

response 16638

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	24.31
277.00	24.90	33.15#
0.00	0.00	0.00

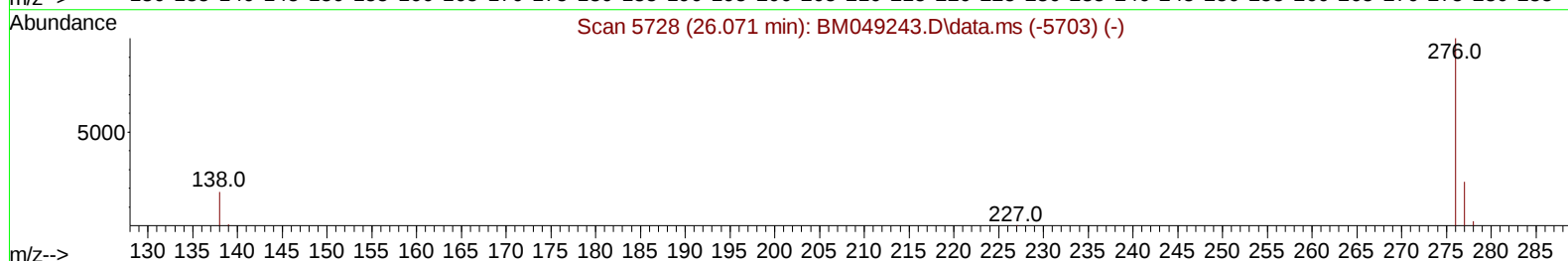
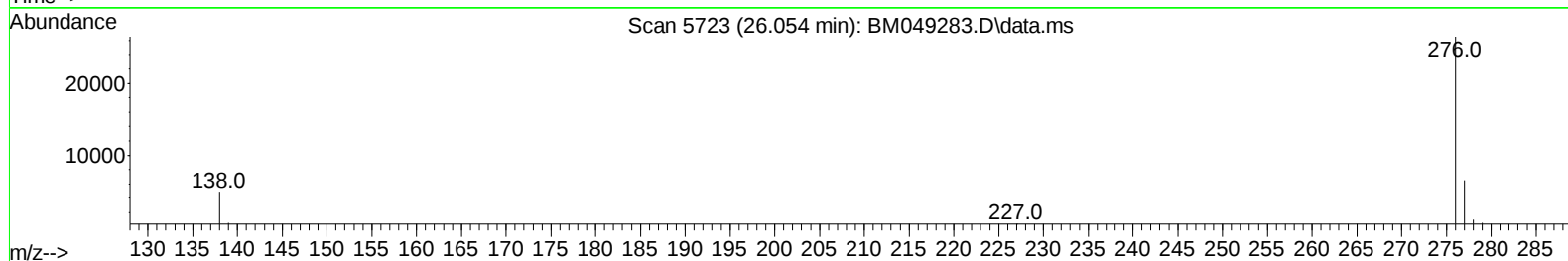
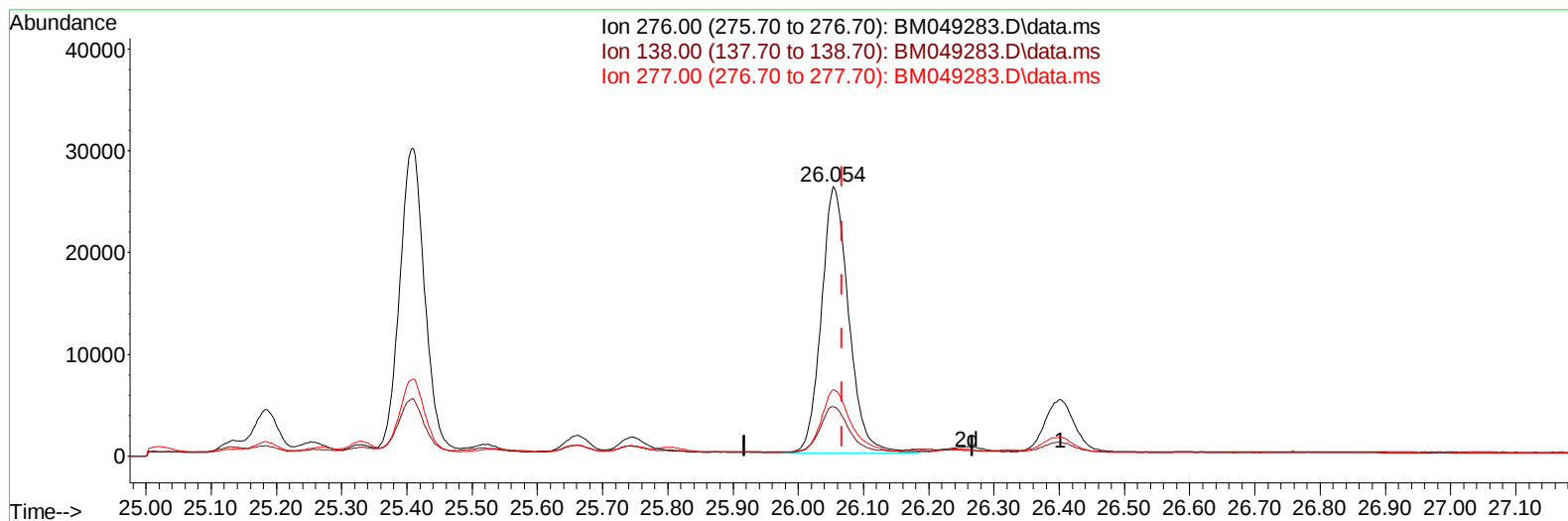
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
Acq On : 28 Dec 2024 09:09
Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

Quant Time: Dec 29 22:13:12 2024
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Supervised By :mohammad ahmed 12/30/2024



TIC: BM049283.D\data.ms

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

26.054min (-0.014) 0.94 ng/ul m

response 76346

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.90	18.39
277.00	24.90	24.71
0.00	0.00	0.00

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 Data File : BM049283.D
 Acq On : 28 Dec 2024 09:09
 Operator : RC/JU
 Sample : P5351-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2922

Manual IntegrationsAPPROVED

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

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 QLast Update : Thu Dec 26 11:35:38 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	6208	0.400	ng/ul	0.00
4) Naphthalene-d8	10.298	136	20035	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	12034	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.926	188	28110m	0.400	ng/ul	0.00
17) Chrysene-d12	21.128	240	23561m	0.400	ng/ul	0.00
23) Perylene-d12	23.279	264	23388m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	20071	2.803	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	5529	0.205	ng/ul	0.00
18) Fluoranthene-d10	18.960	212	12853m	0.192	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.348	128	2346	0.047	ng/ul#	86
7) 2-Methylnaphthalene	11.976	142	1429	0.045	ng/ul	98
8) 1-Methylnaphthalene	12.196	142	1465	0.045	ng/ul	96
10) Acenaphthylene	13.891	152	2811	0.056	ng/ul#	87
11) Acenaphthene	14.238	153	3582	0.098	ng/ul	98
12) Fluorene	15.233	166	6002	0.146	ng/ul	97
15) Phenanthrene	16.968	178	167427m	2.280	ng/ul	
16) Anthracene	17.057	178	49063m	0.728	ng/ul	
19) Fluoranthene	18.993	202	379843m	4.459	ng/ul	
20) Pyrene	19.355	202	282942m	3.114	ng/ul	
21) Benzo(a)anthracene	21.113	228	164481m	2.007	ng/ul	
22) Chrysene	21.166	228	151175m	1.719	ng/ul	
24) Benzo(b)fluoranthene	22.642	252	167942m	2.248	ng/ul	
25) Benzo(k)fluoranthene	22.680	252	61993m	0.756	ng/ul	
26) Benzo(a)pyrene	23.185	252	111580m	1.557	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.410	276	77618m	0.765	ng/ul	
28) Dibenzo(a,h)anthracene	25.413	278	20630m	0.262	ng/ul	
29) Benzo(g,h,i)perylene	26.054	276	76346m	0.936	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
Data File : BM049283.D
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Operator : RC/JU
Sample : P5351-01
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E2922

Manual IntegrationsAPPROVED

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