

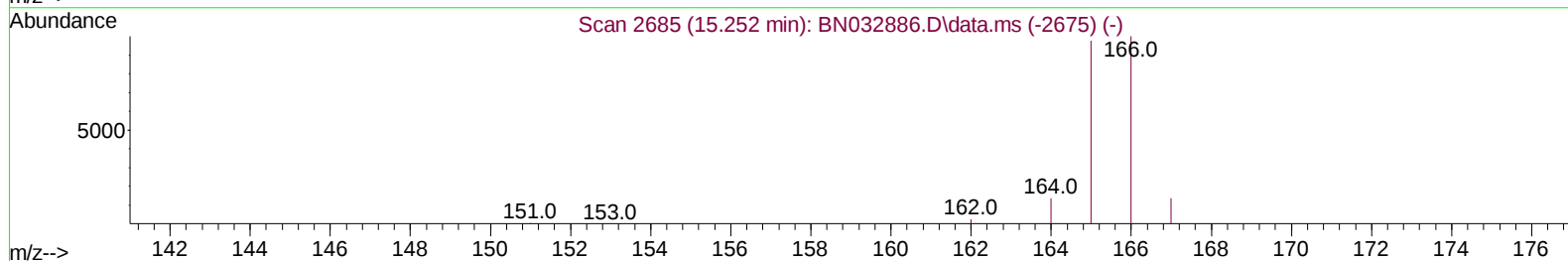
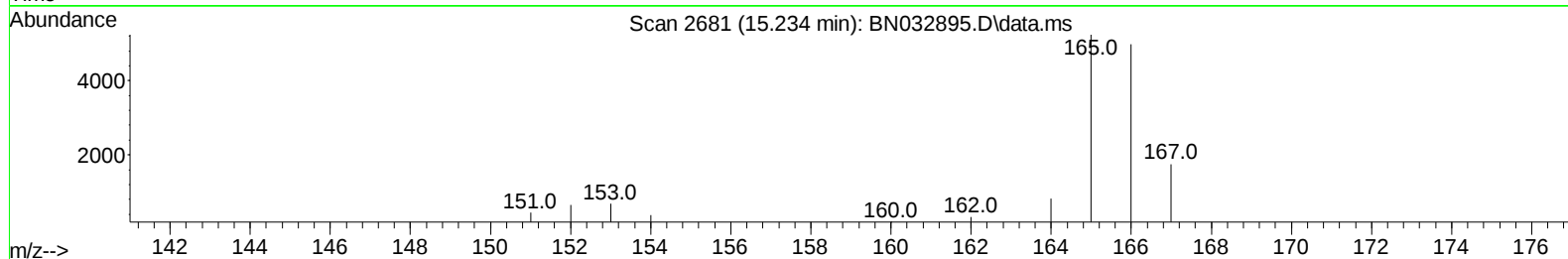
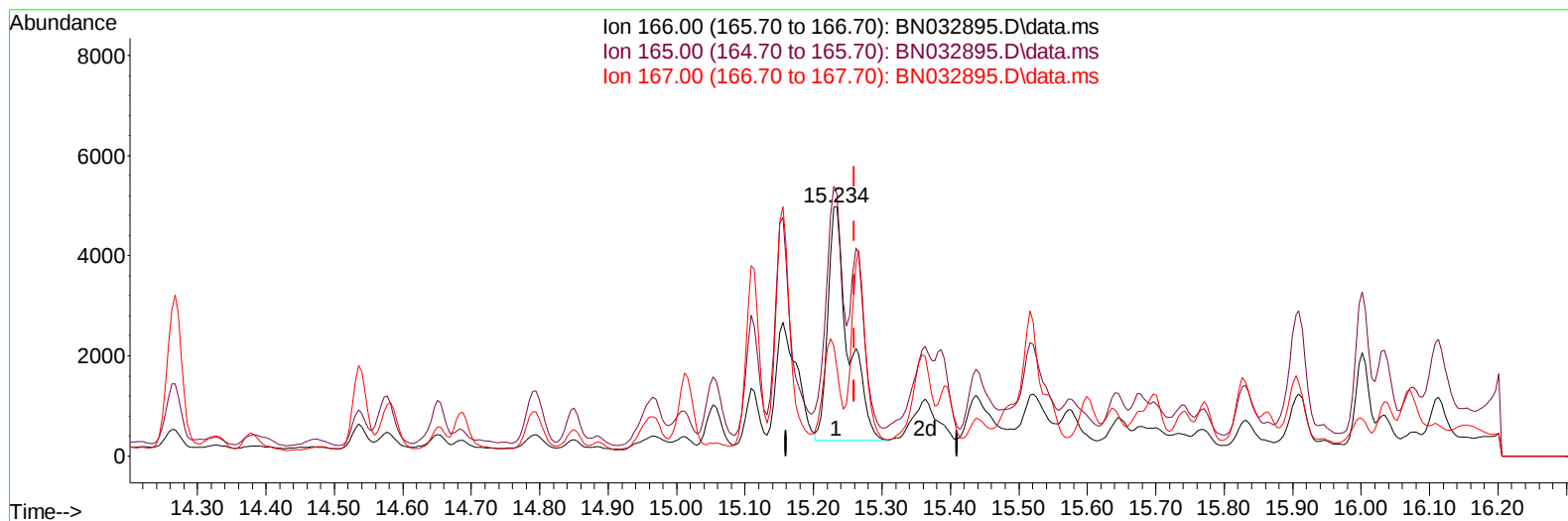
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(12) Fluorene

15.234min (-0.026) 0.30 ng/u1

response 9773

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	99.60	105.18
167.00	14.30	35.21#
0.00	0.00	0.00

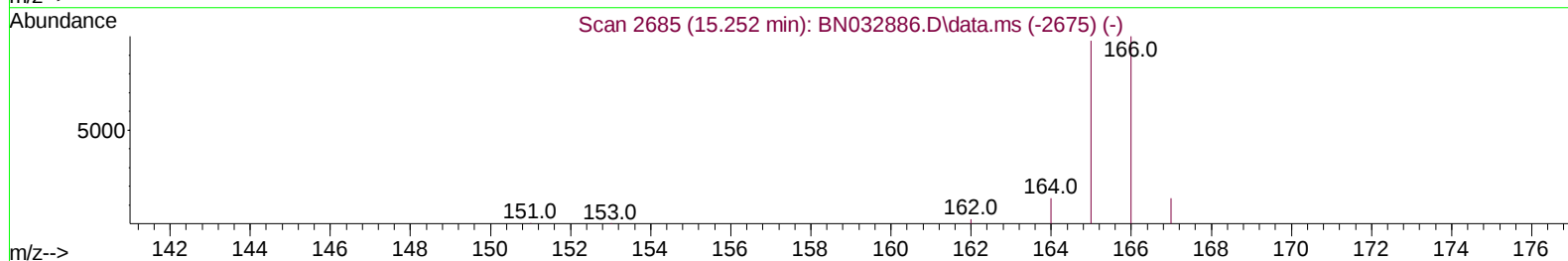
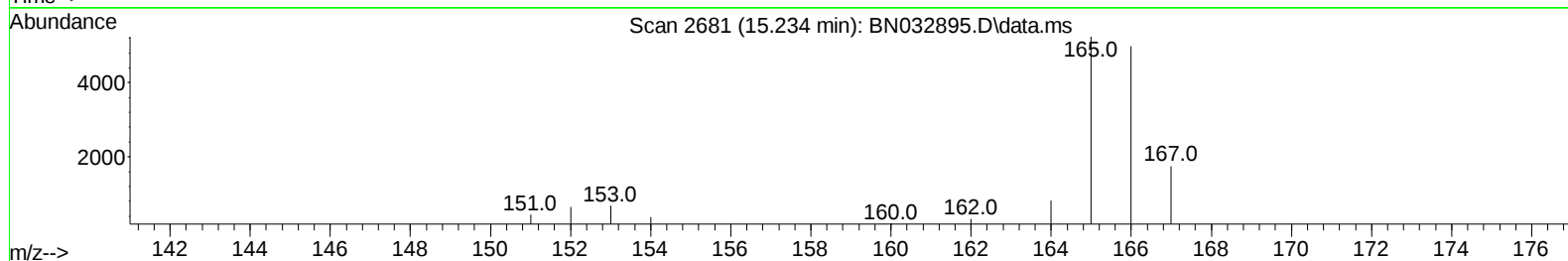
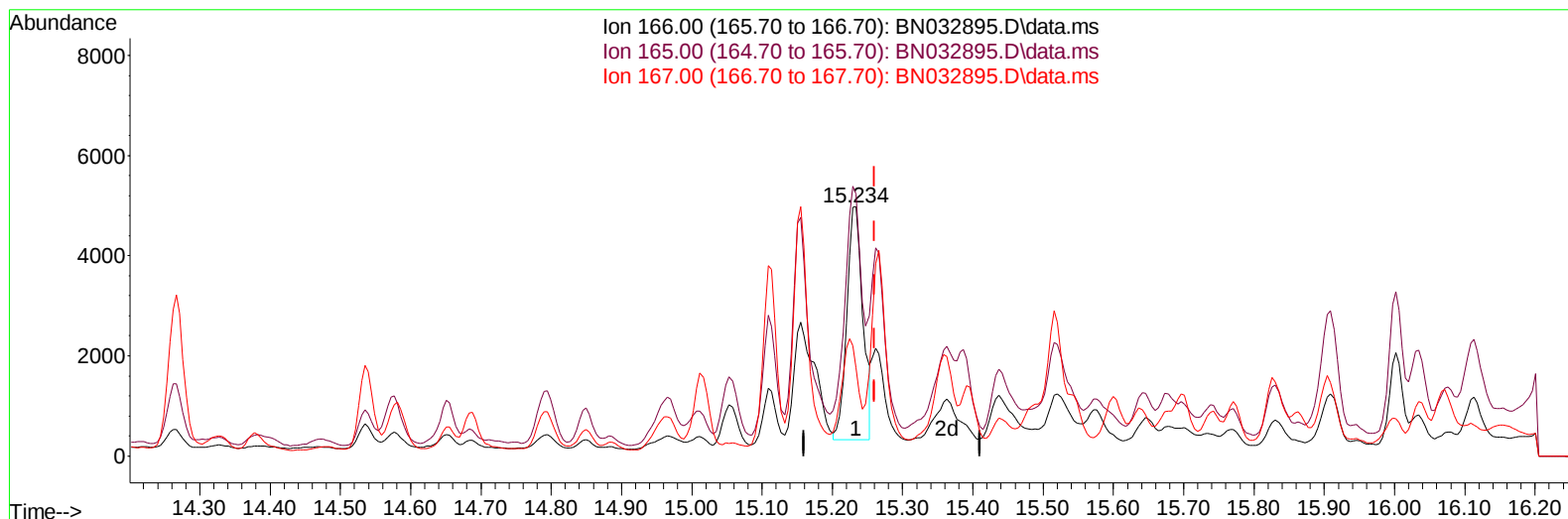
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(12) Fluorene

15.234min (-0.026) 0.23 ng/ul m

response 7408

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	99.60	105.18
167.00	14.30	35.21#
0.00	0.00	0.00

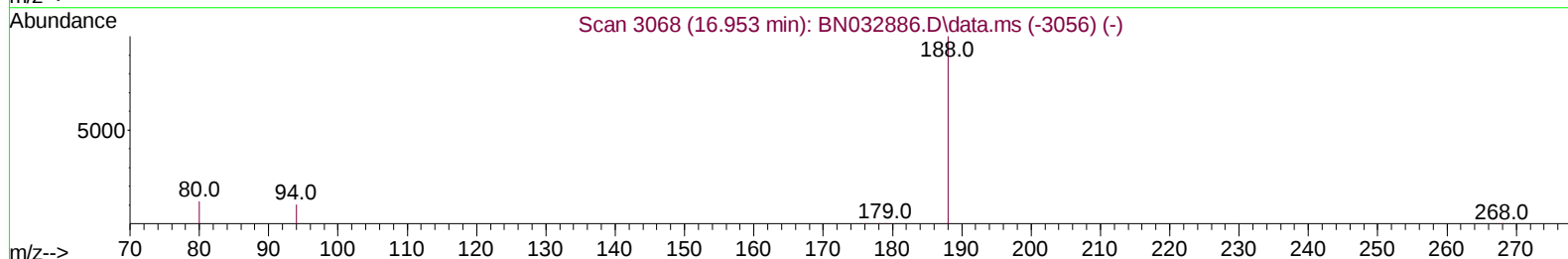
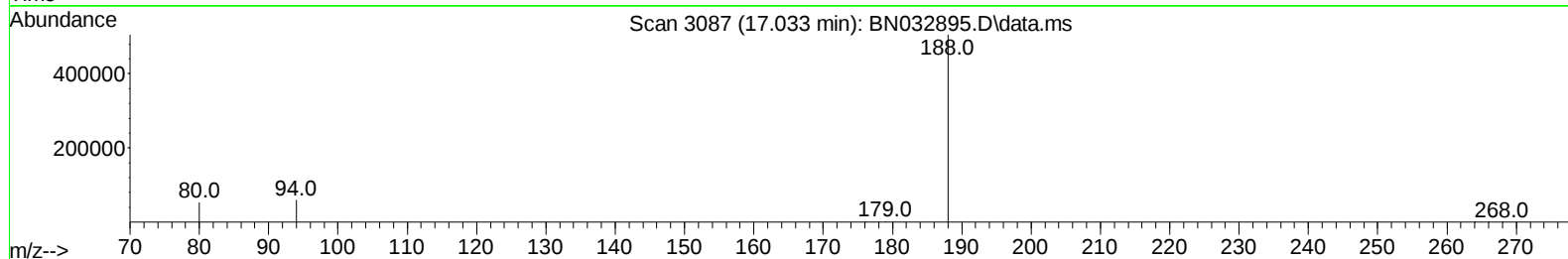
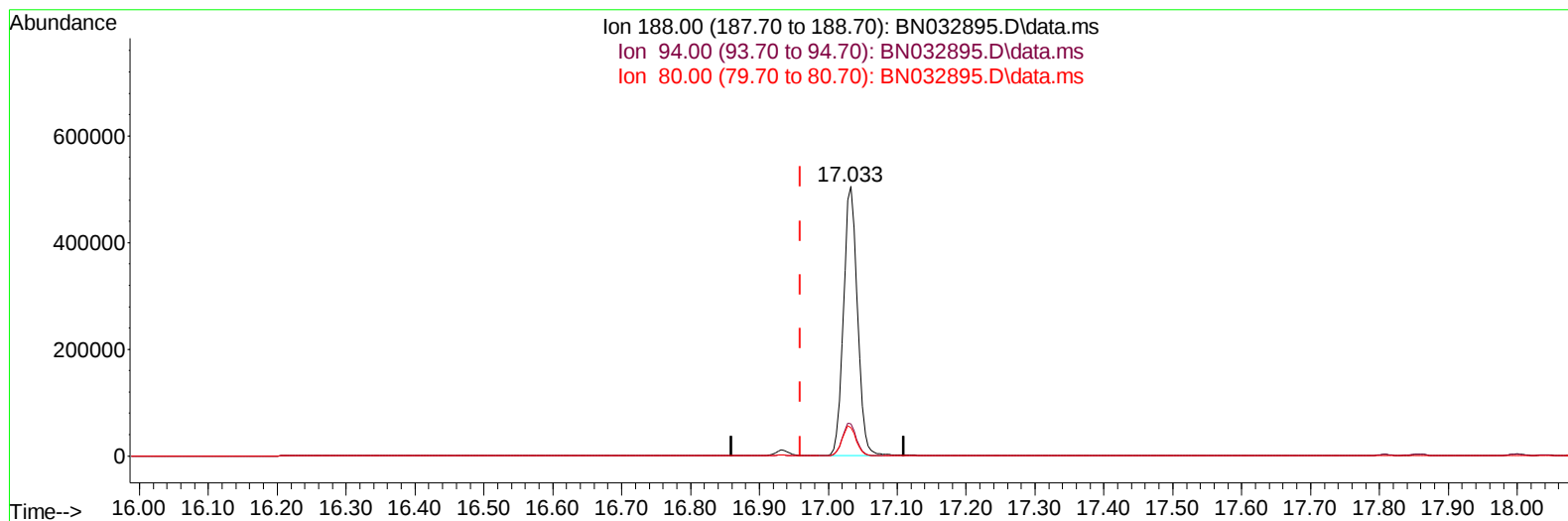
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032895.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 707550

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.86
80.00	12.00	10.63
0.00	0.00	0.00

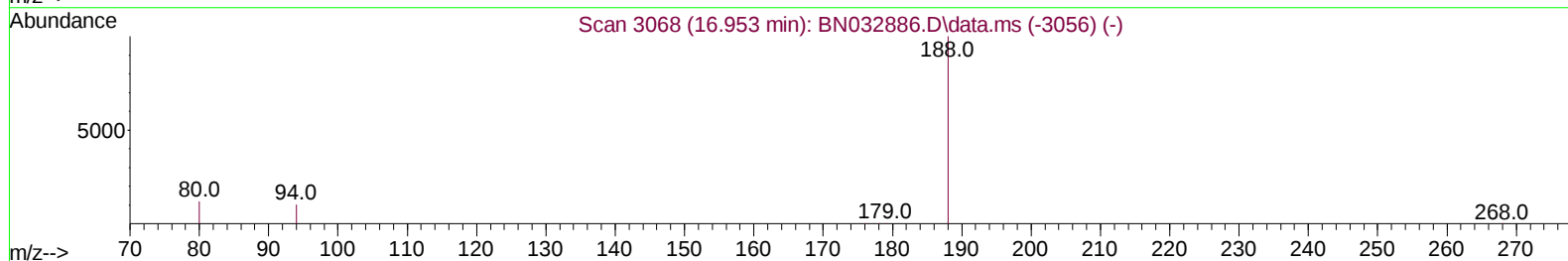
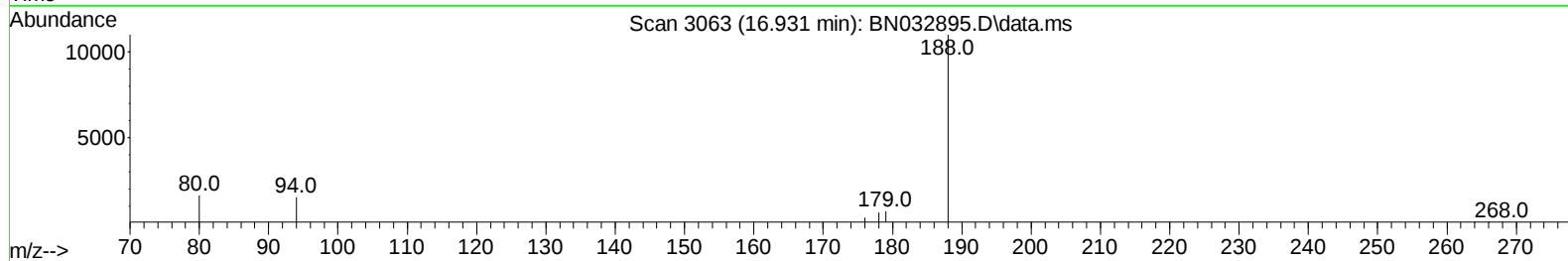
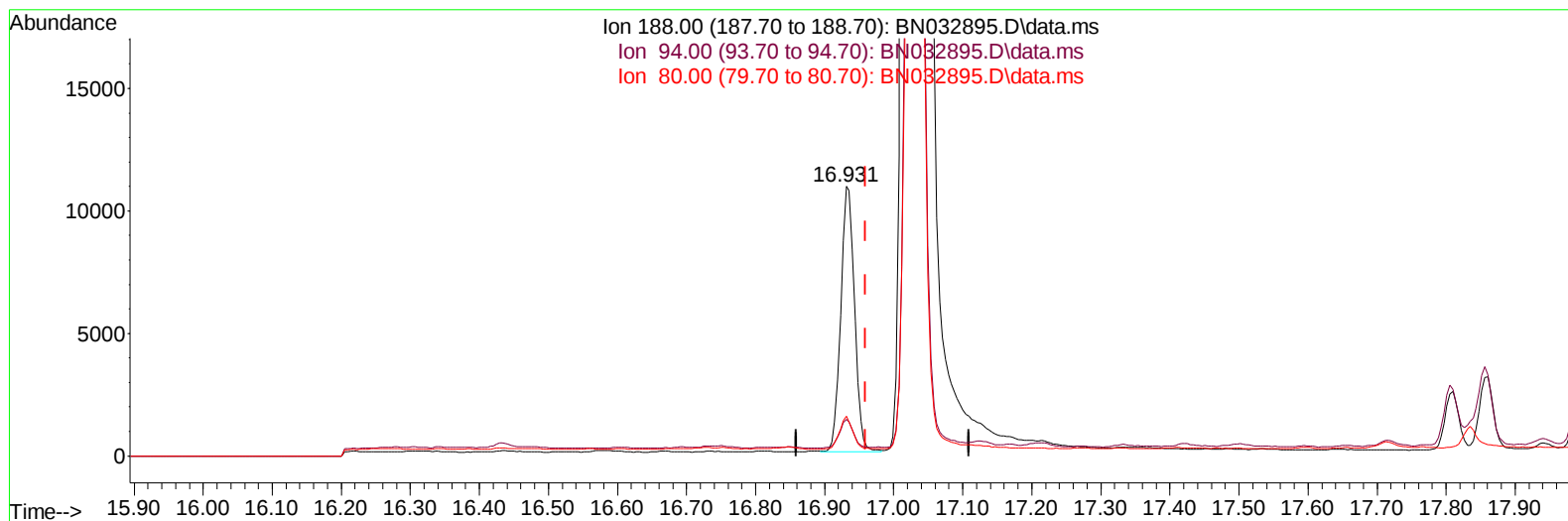
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
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TIC: BN032895.D\data.ms

(13) Phenanthrene-d10 (I)

16.931min (-0.028) 0.40 ng/ul m

response 14973

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.64#
80.00	12.00	14.74#
0.00	0.00	0.00

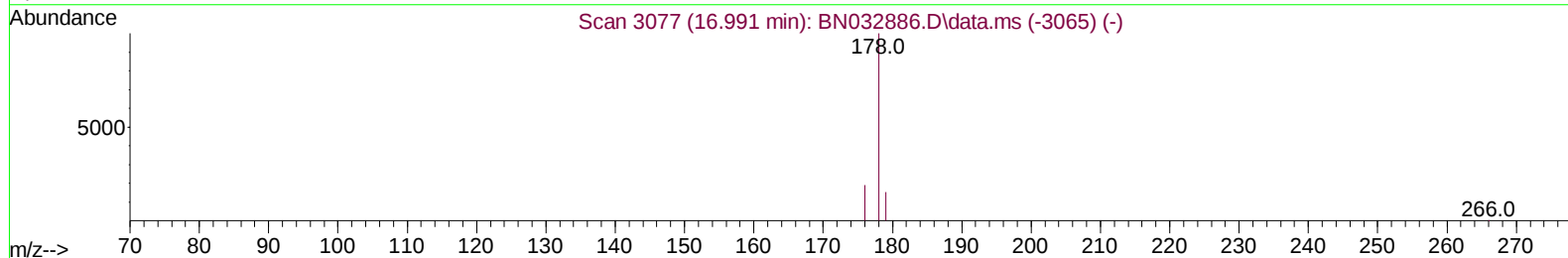
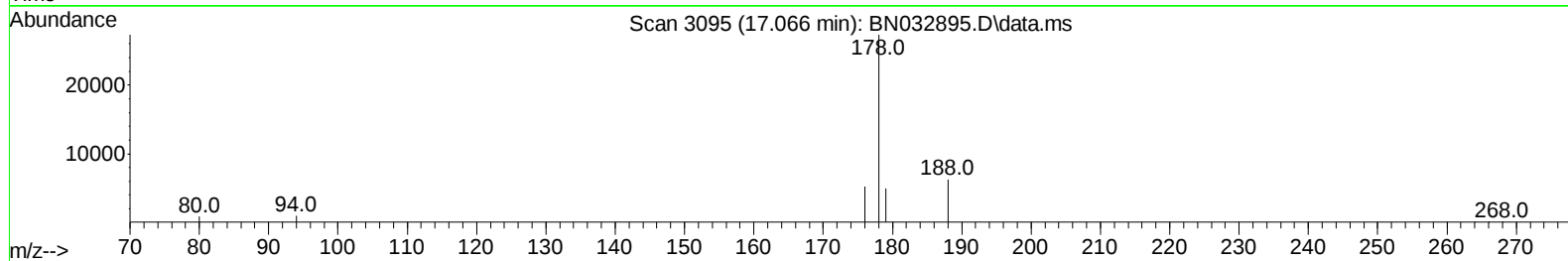
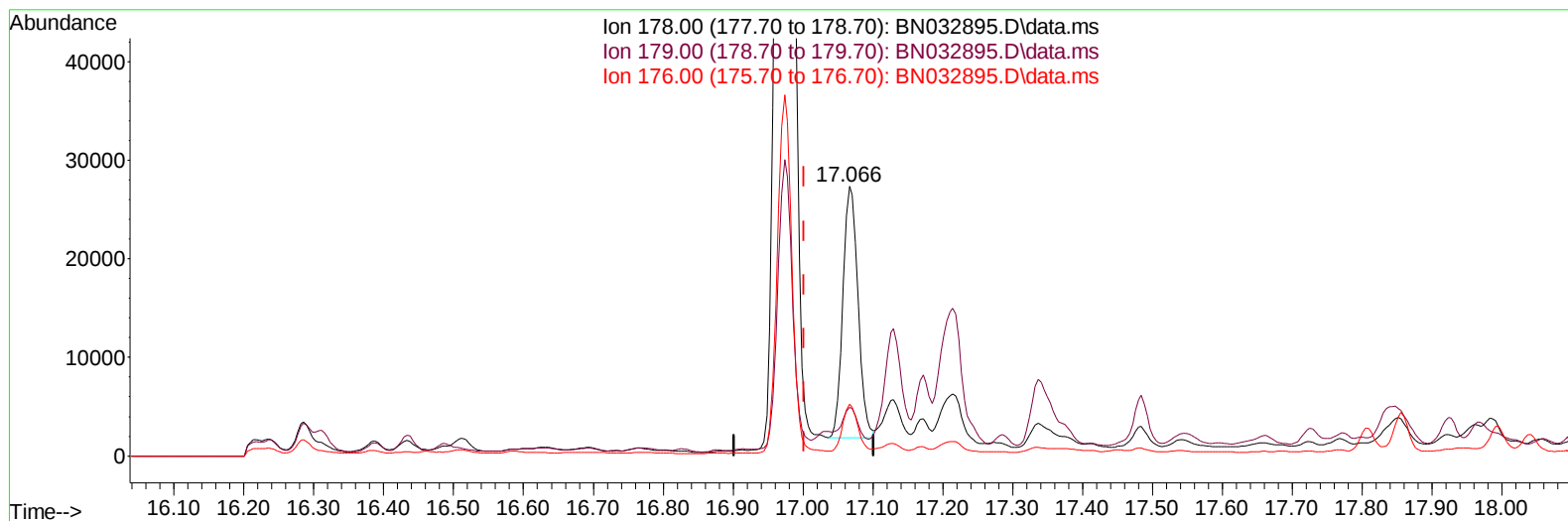
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
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TIC: BN032895.D\data.ms

(15) Phenanthrene

17.066min (+ 0.065) 0.93 ng/u1

response 38078

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.99
176.00	19.50	19.19
0.00	0.00	0.00

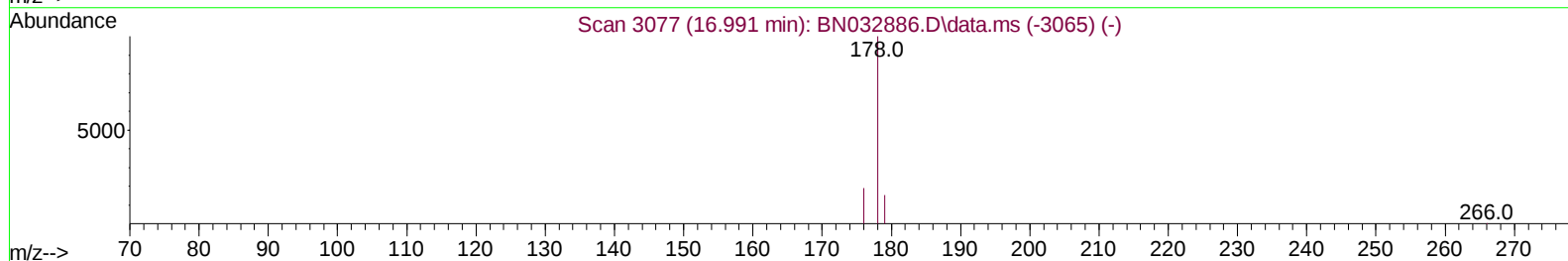
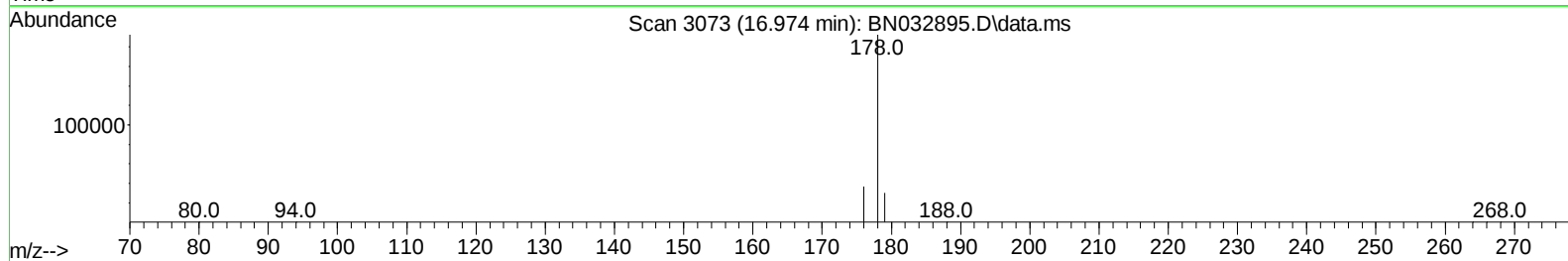
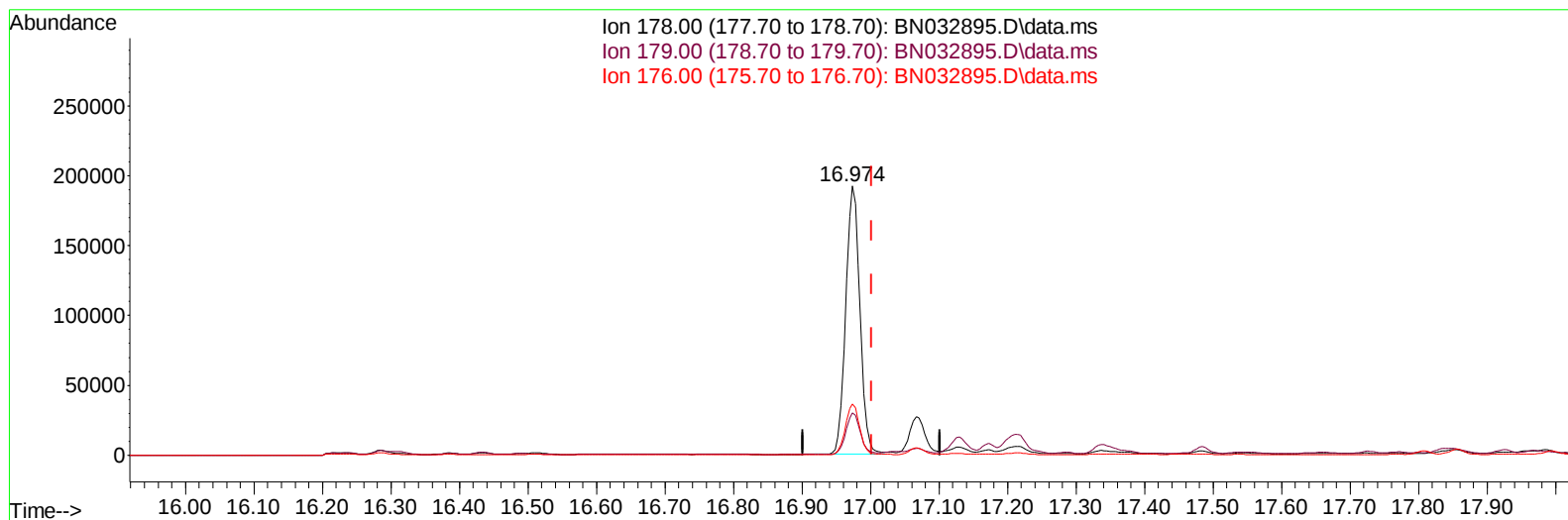
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032895.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 6.82 ng/u1 m

response 278269

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.61
176.00	19.50	19.00
0.00	0.00	0.00

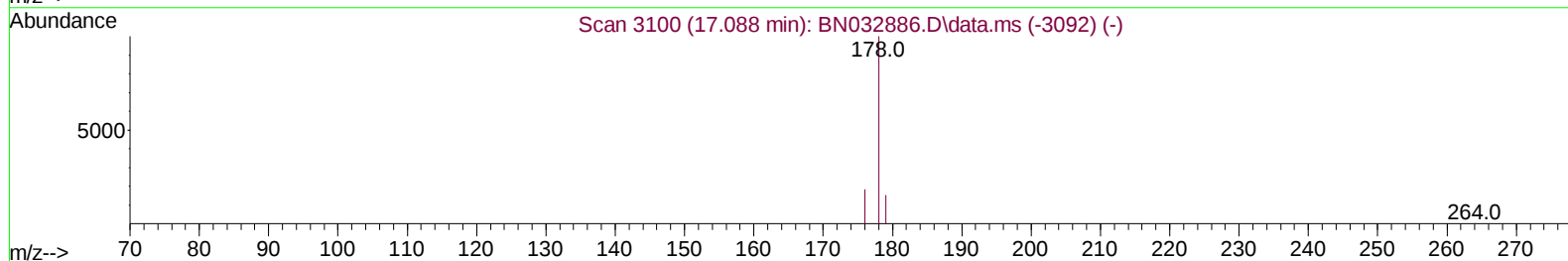
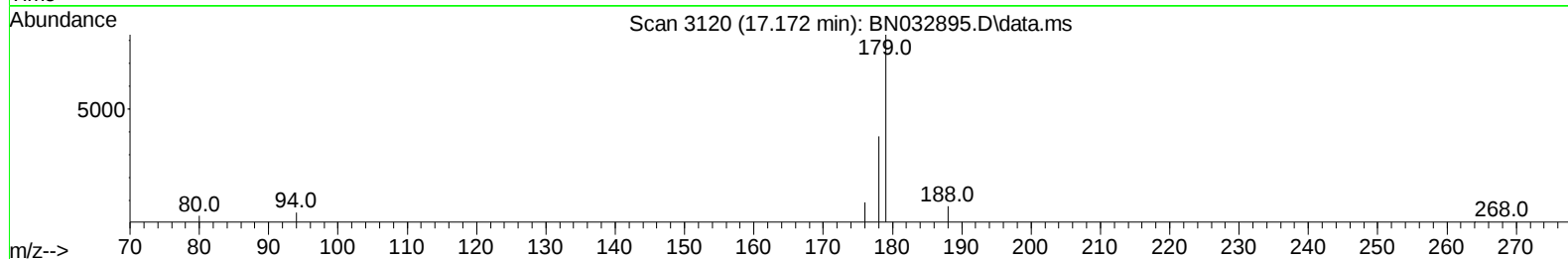
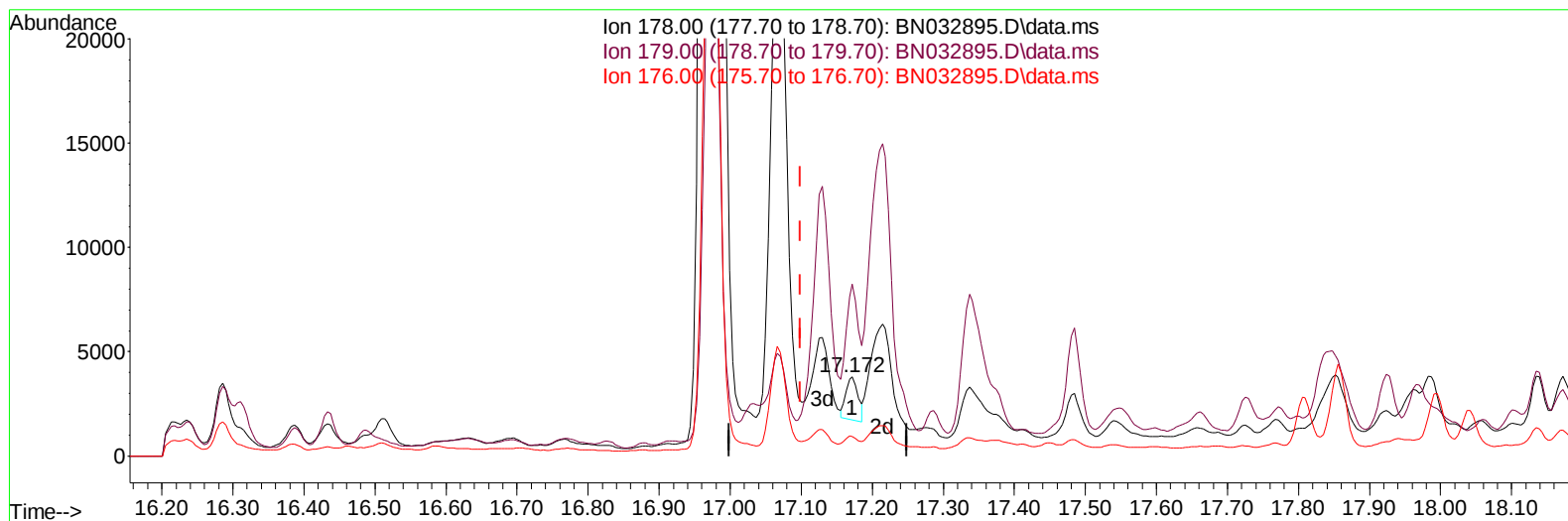
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(16) Anthracene

17.172min (+ 0.073) 0.07 ng/u1

response 2444

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	217.08#
176.00	19.20	24.54#
0.00	0.00	0.00

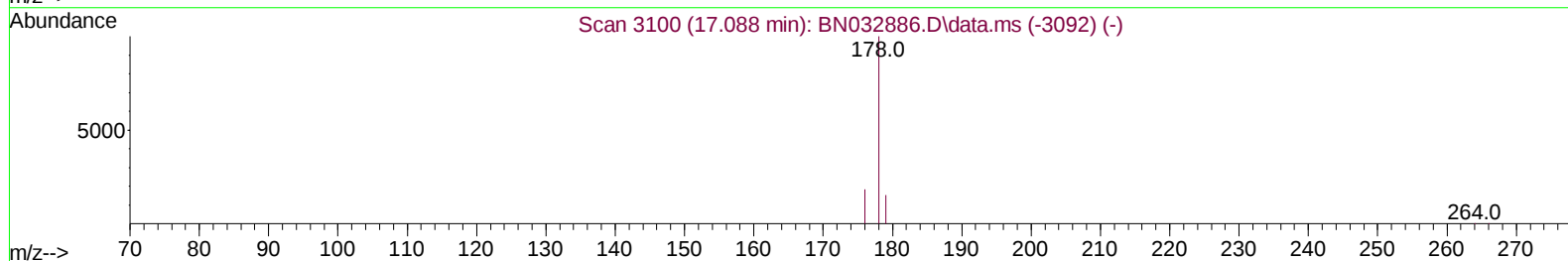
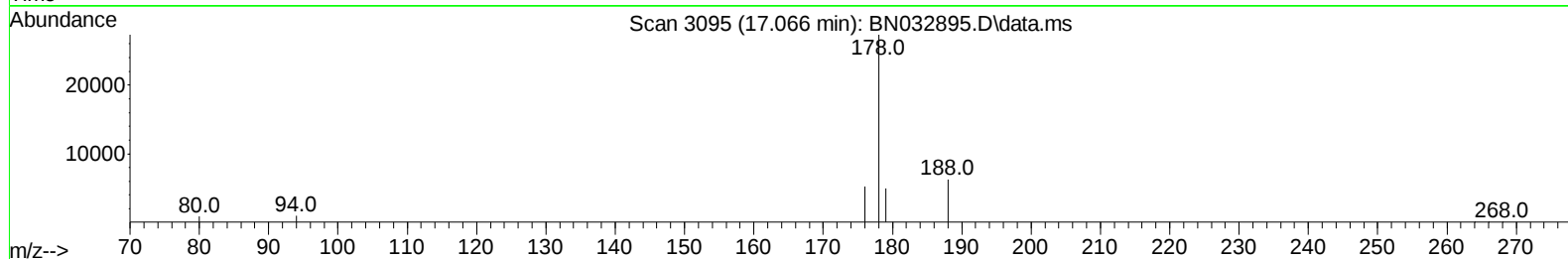
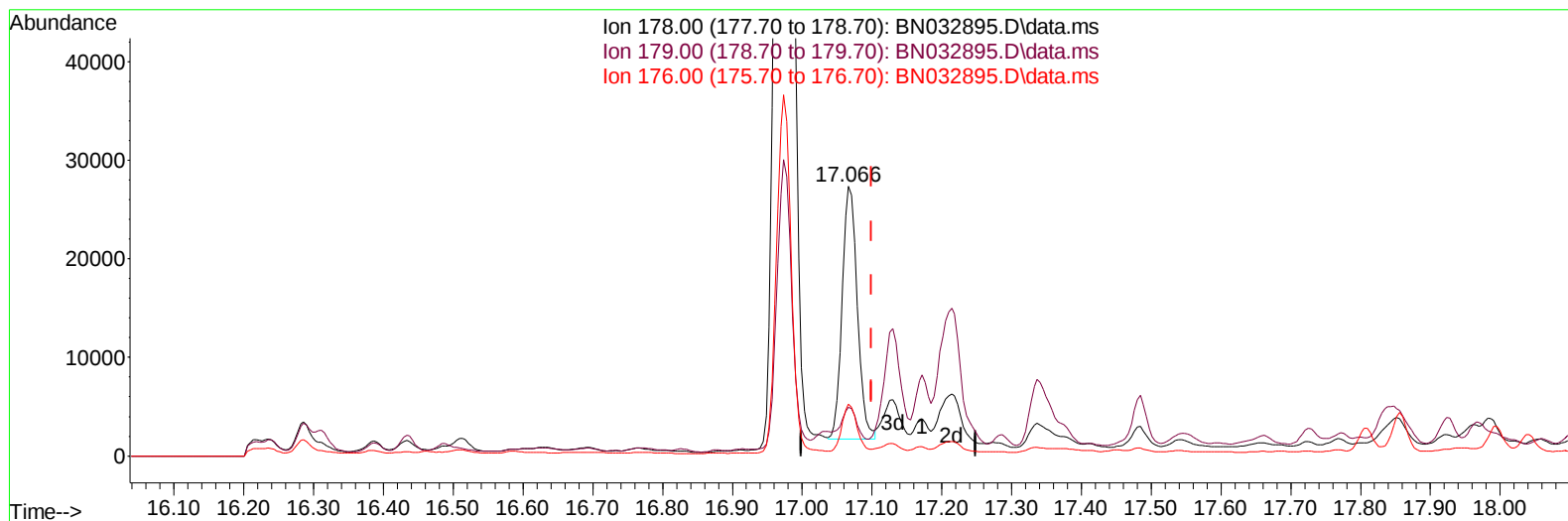
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(16) Anthracene

17.066min (-0.032) 1.17 ng/ul m

response 38861

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.99
176.00	19.20	19.19
0.00	0.00	0.00

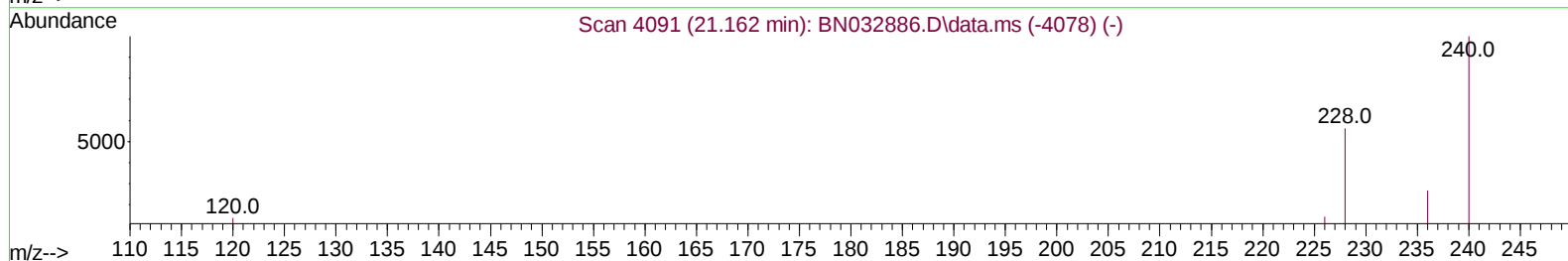
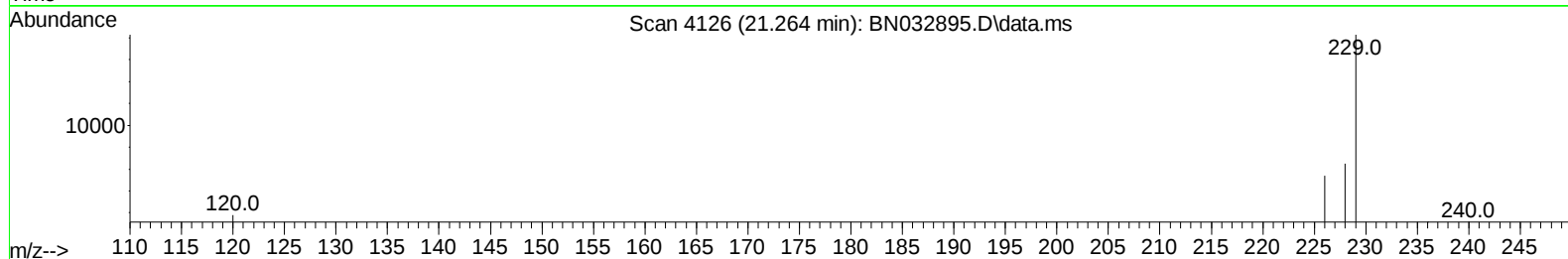
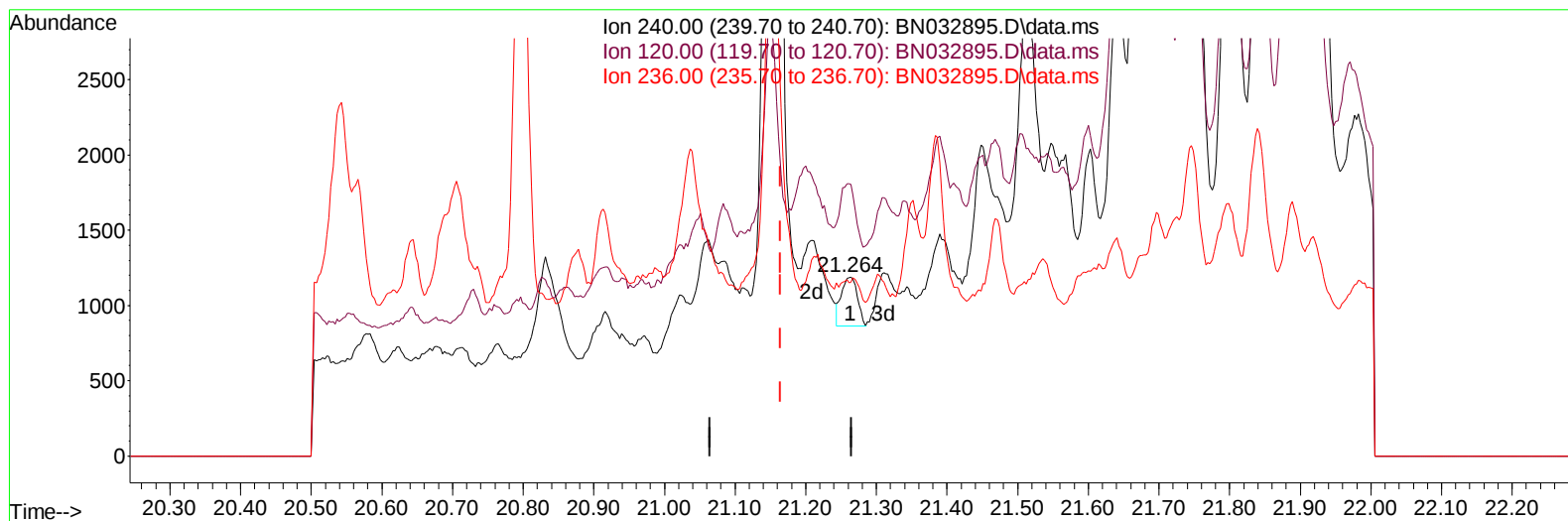
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032895.D\data.ms

(17) Chrysene-d12

21.264min (+ 0.099) 0.40 ng/u1

response 503

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	151.76#
236.00	28.40	97.06#
0.00	0.00	0.00

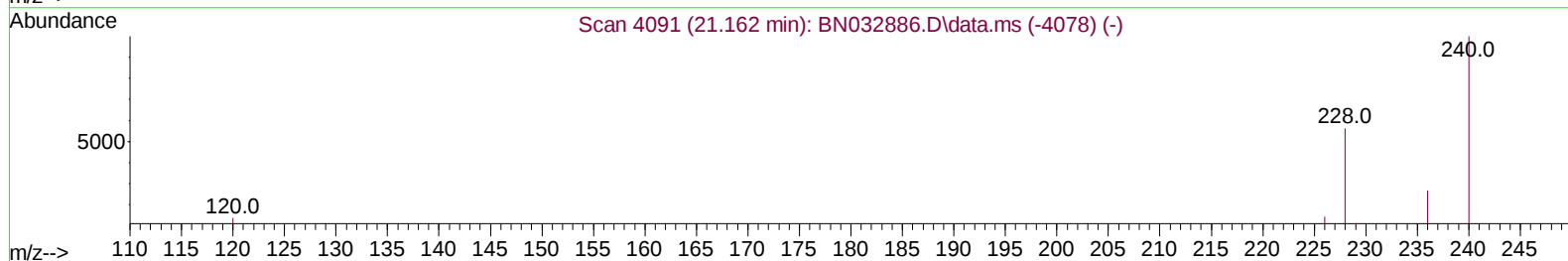
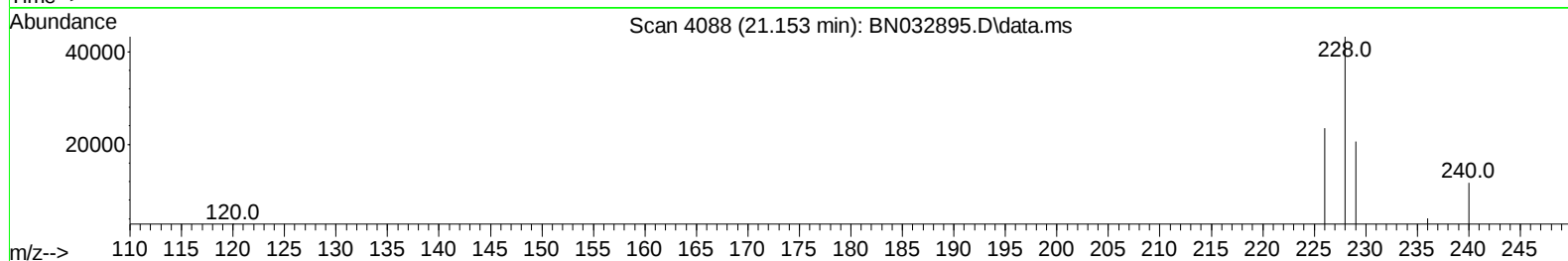
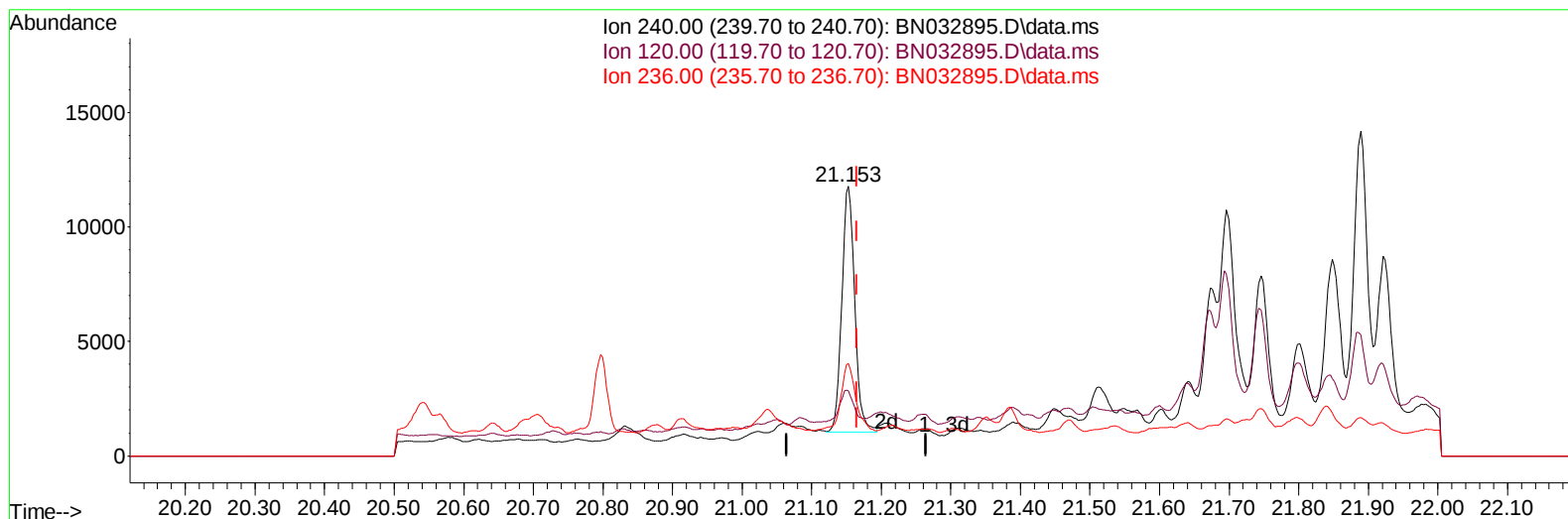
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(17) Chrysene-d12

21.153min (-0.012) 0.40 ng/u1 m

response 13777

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	24.09#
236.00	28.40	34.40#
0.00	0.00	0.00

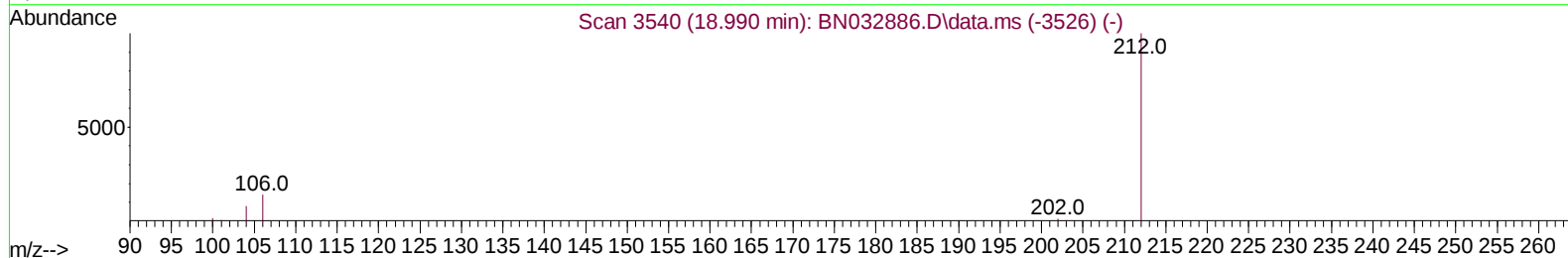
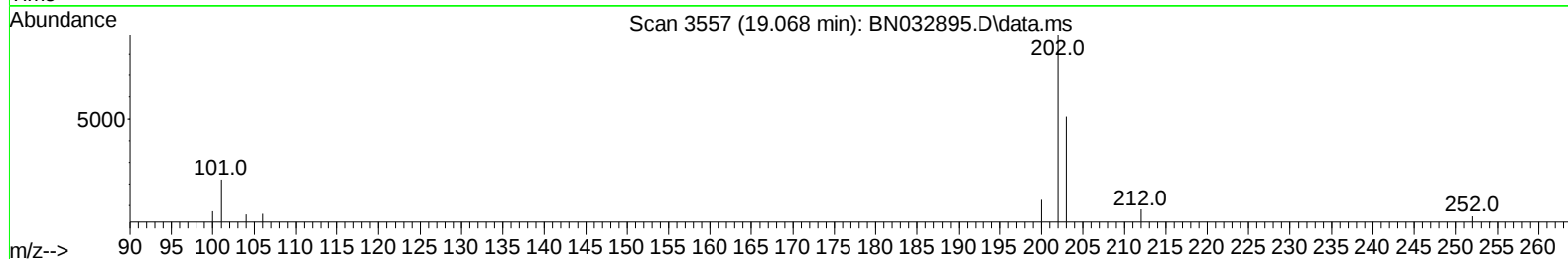
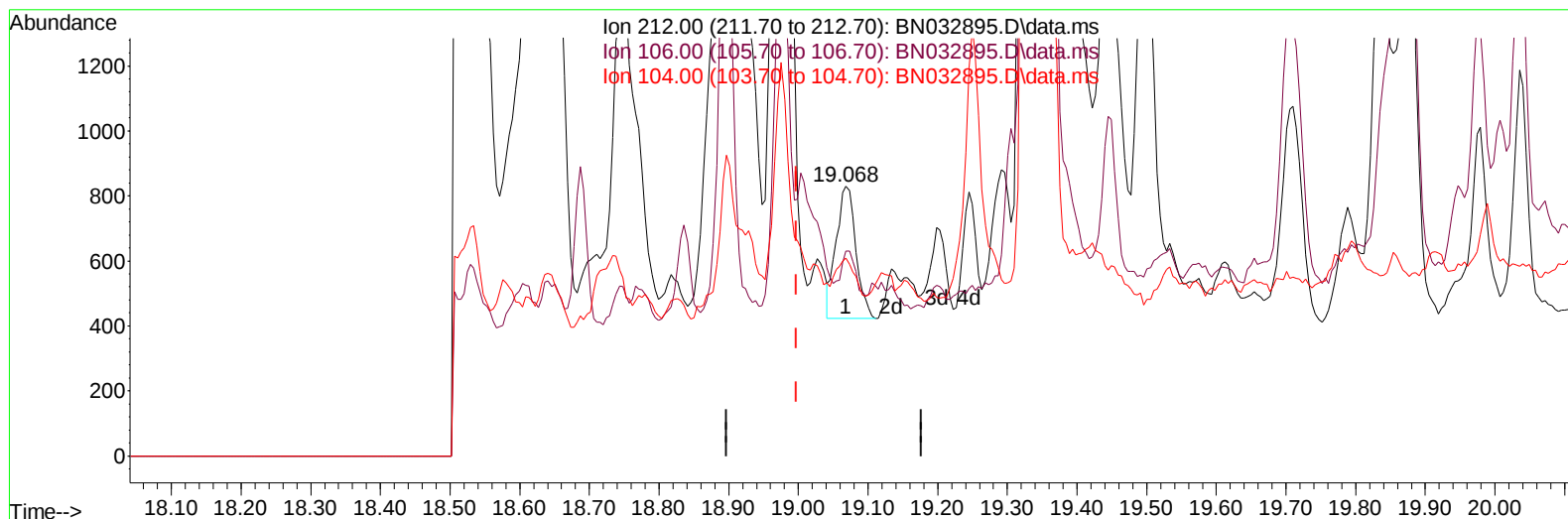
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032895.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.068min (+ 0.071) 0.02 ng/u1

response 794

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.10	22.92#
104.00	9.00	25.31#
0.00	0.00	0.00

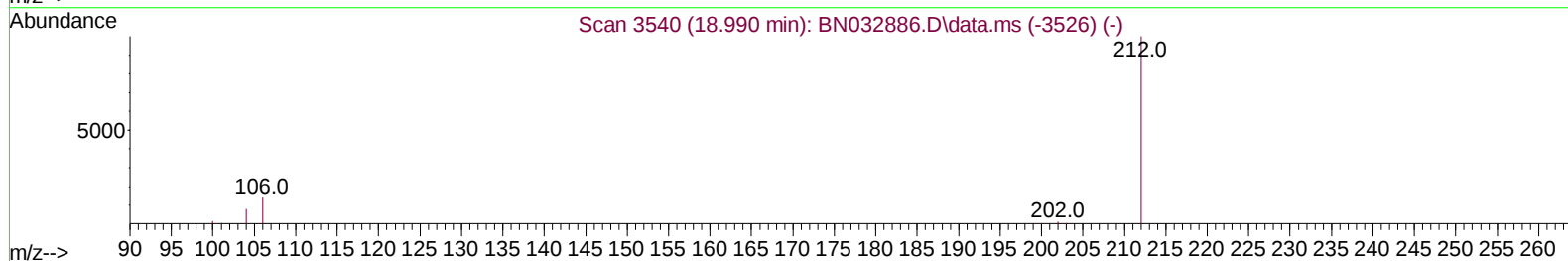
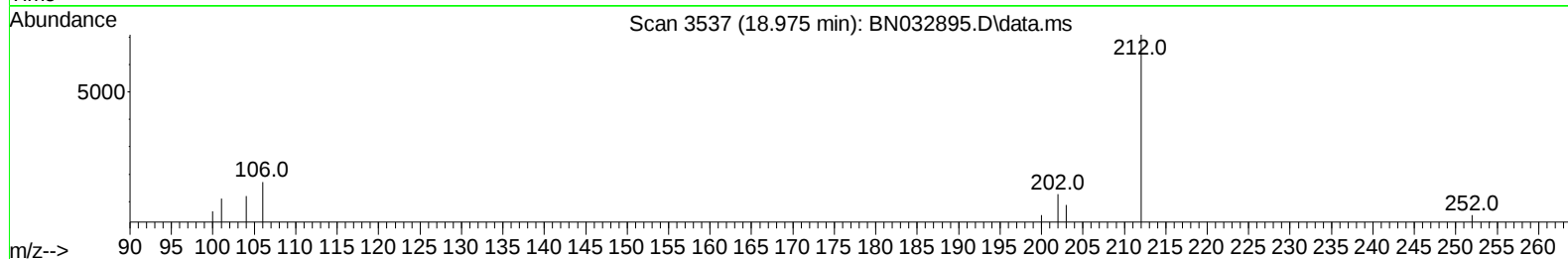
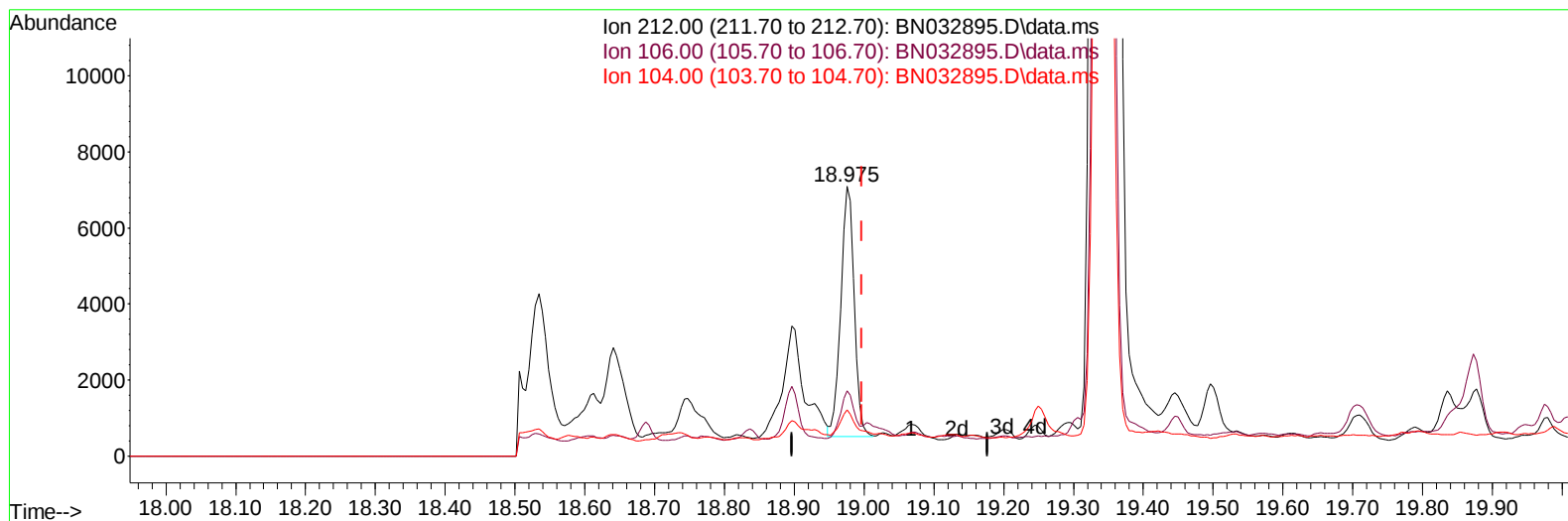
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032895.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.975min (-0.022) 0.20 ng/u1 m

response 8783

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.10	2.07#
104.00	9.00	2.29#
0.00	0.00	0.00

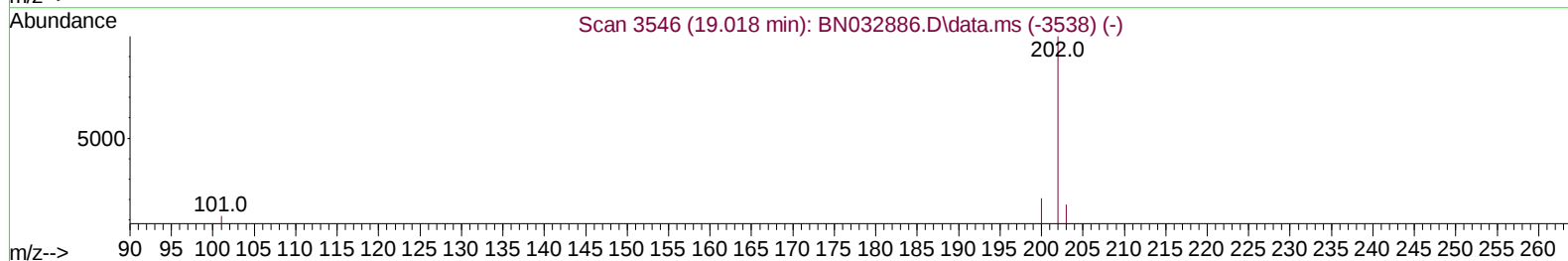
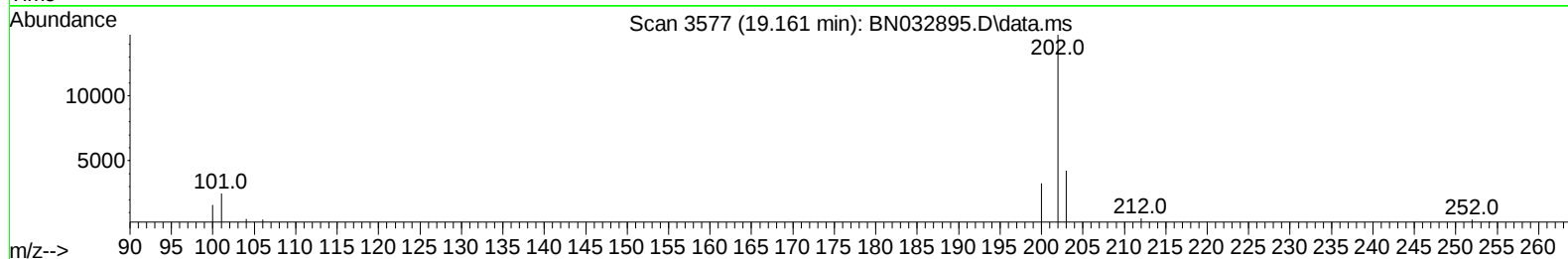
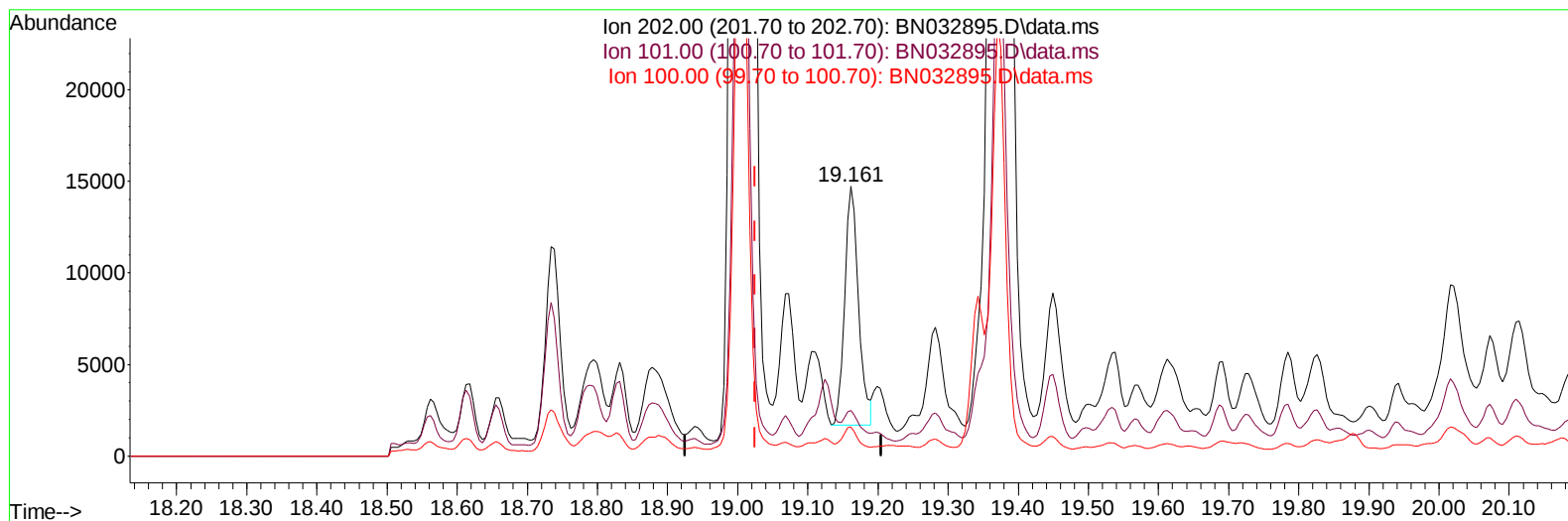
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(19) Fluoranthene (C)

19.161min (+ 0.136) 0.32 ng/u1

response 17965

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	16.93#
100.00	9.90	10.72
0.00	0.00	0.00

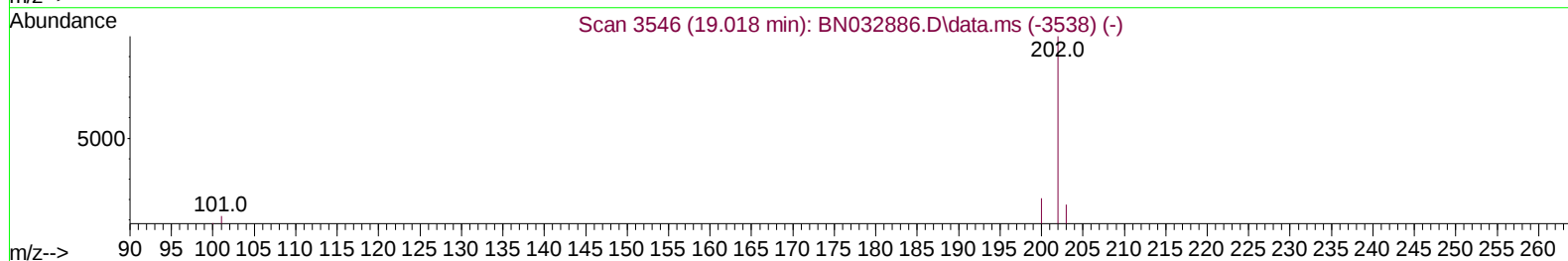
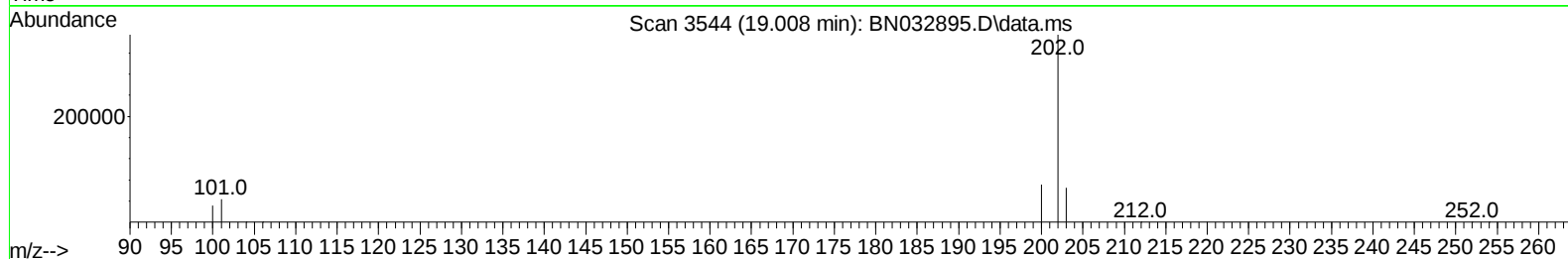
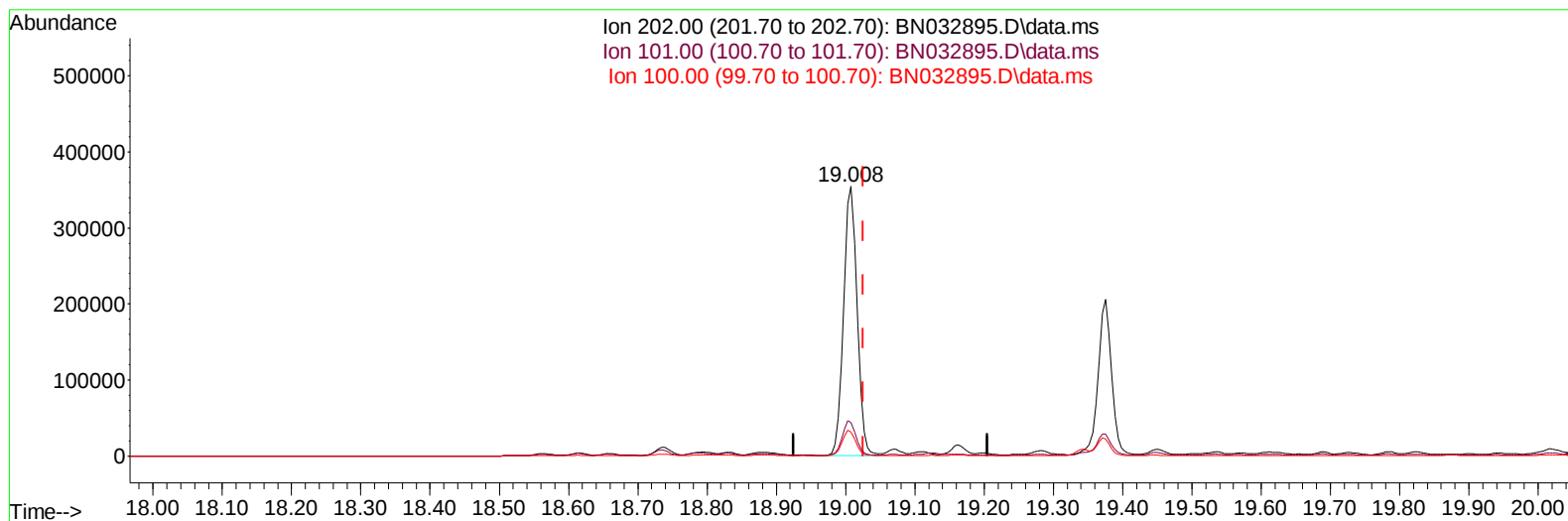
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(19) Fluoranthene (C)

19.008min (-0.017) 8.37 ng/ul m

response 469080

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.30	12.38
100.00	9.90	8.94
0.00	0.00	0.00

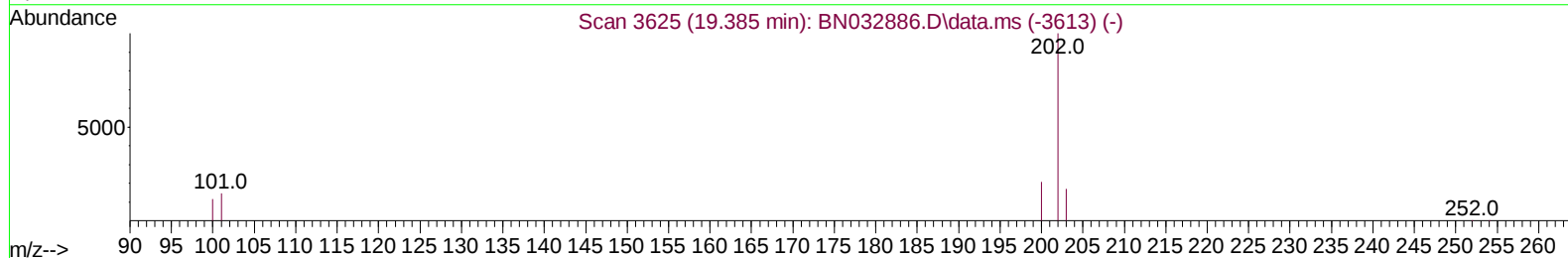
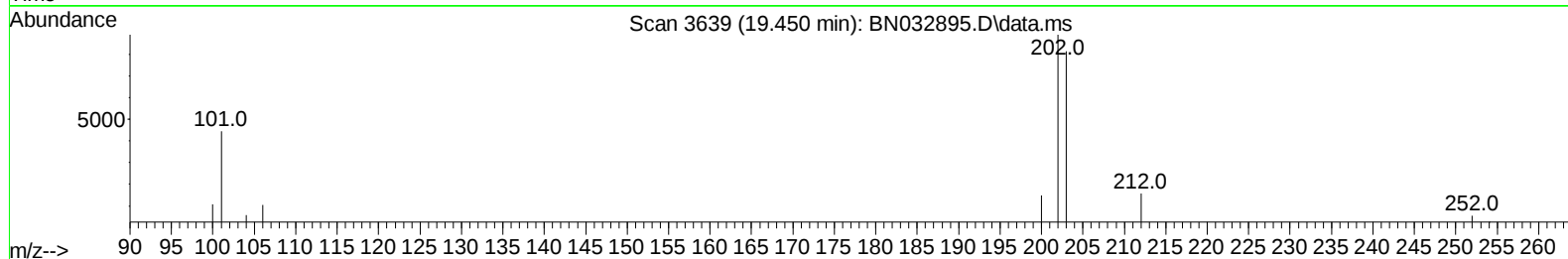
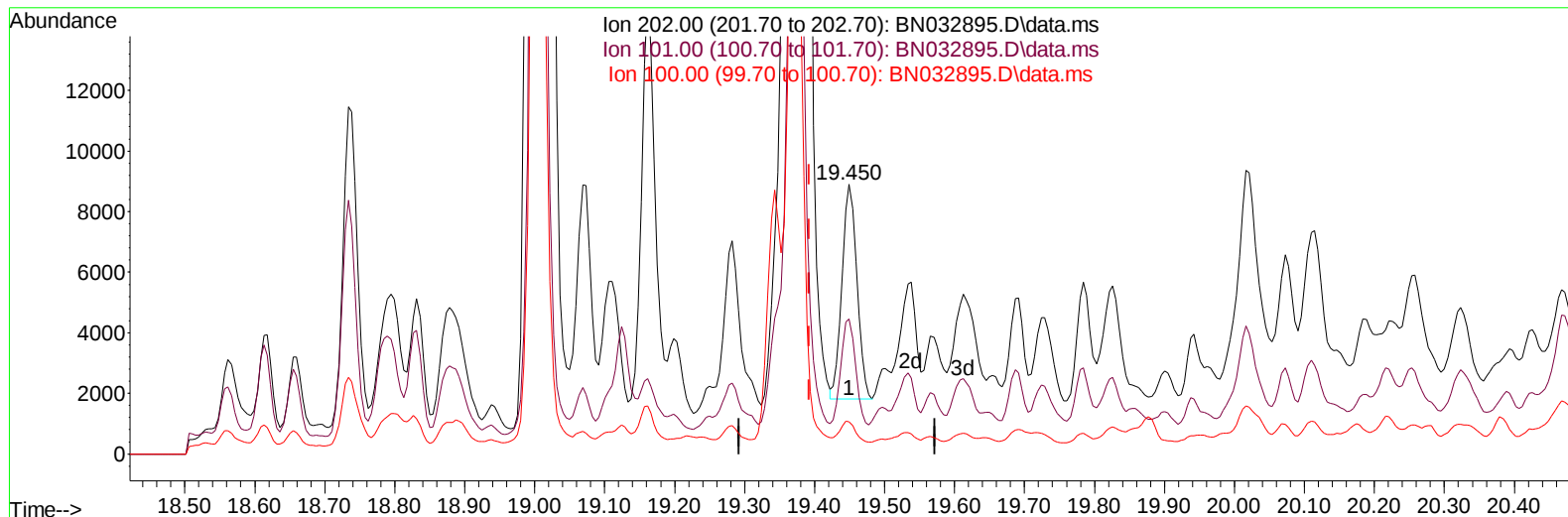
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(20) Pyrene

19.450min (+ 0.057) 0.18 ng/u1

response 10397

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	50.10#
100.00	12.00	11.97
0.00	0.00	0.00

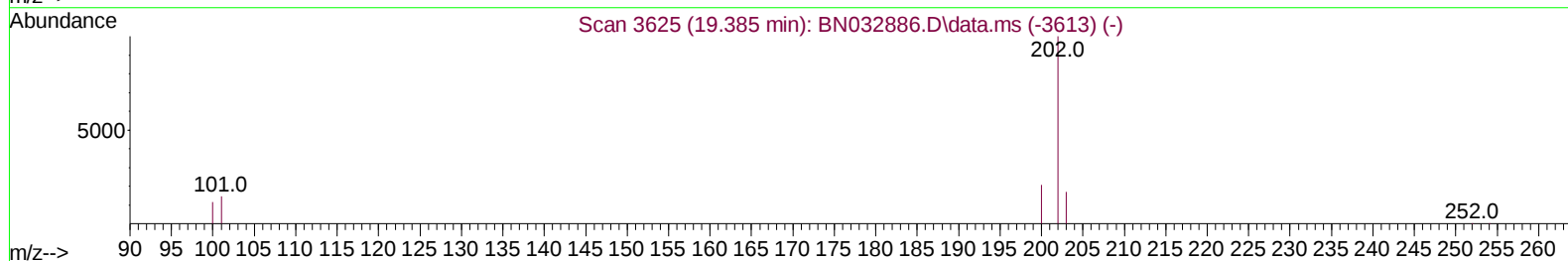
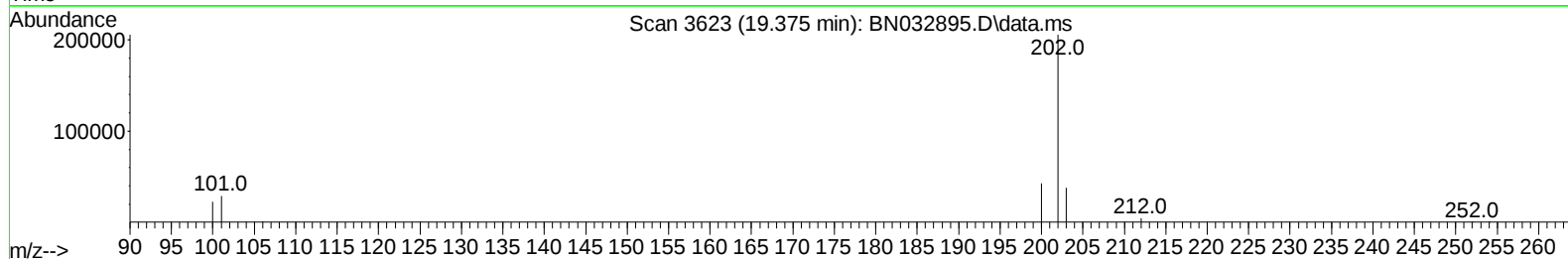
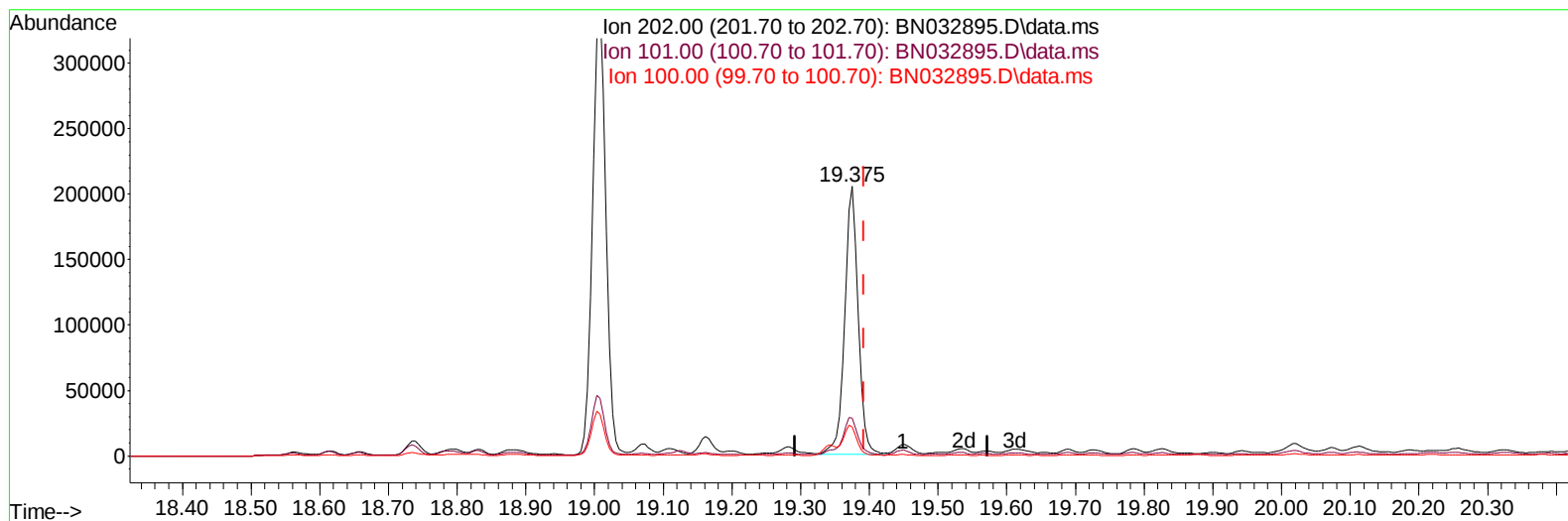
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(20) Pyrene

19.375min (-0.017) 4.80 ng/u1 m

response 278317

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.70	14.09
100.00	12.00	10.84
0.00	0.00	0.00

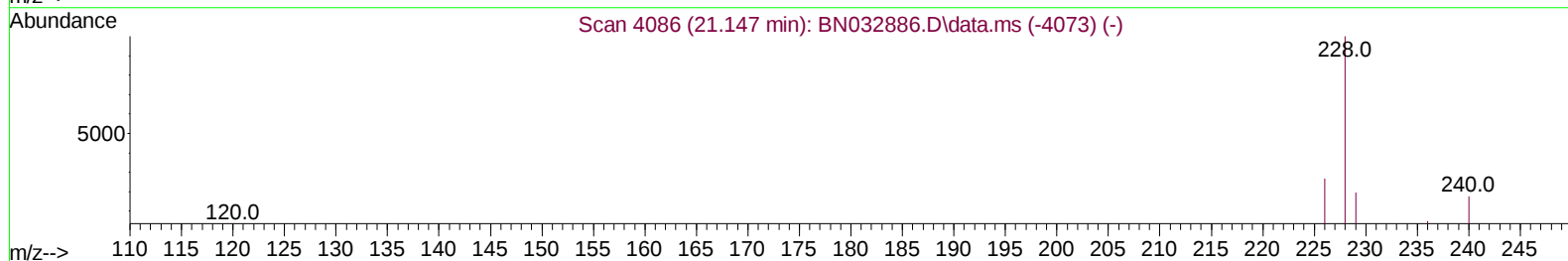
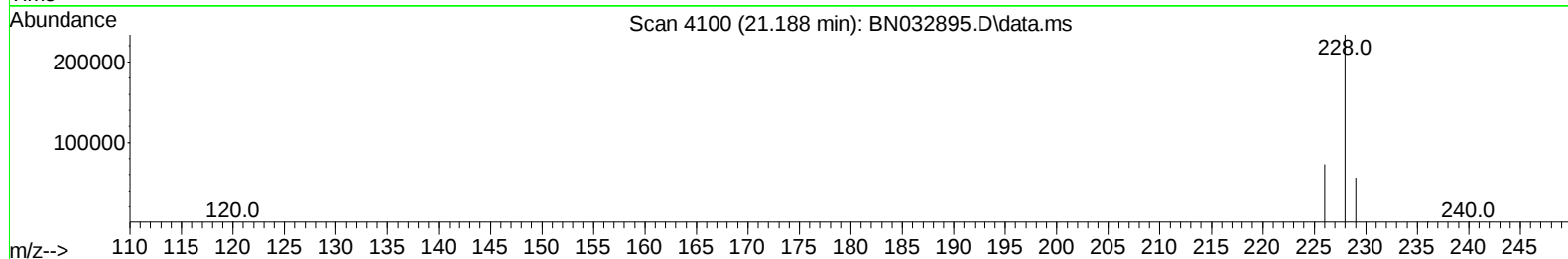
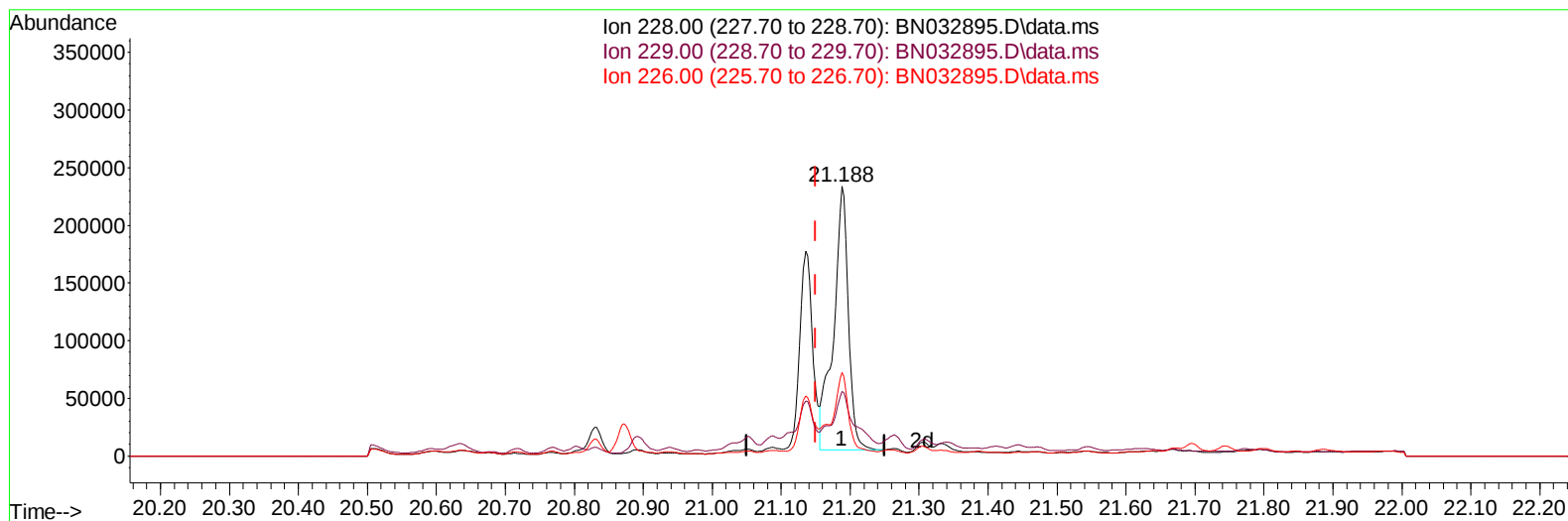
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(21) Benzo(a)anthracene

21.188min (+ 0.038) 7.84 ng/u1

response 343658

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	23.96
226.00	27.40	31.06
0.00	0.00	0.00

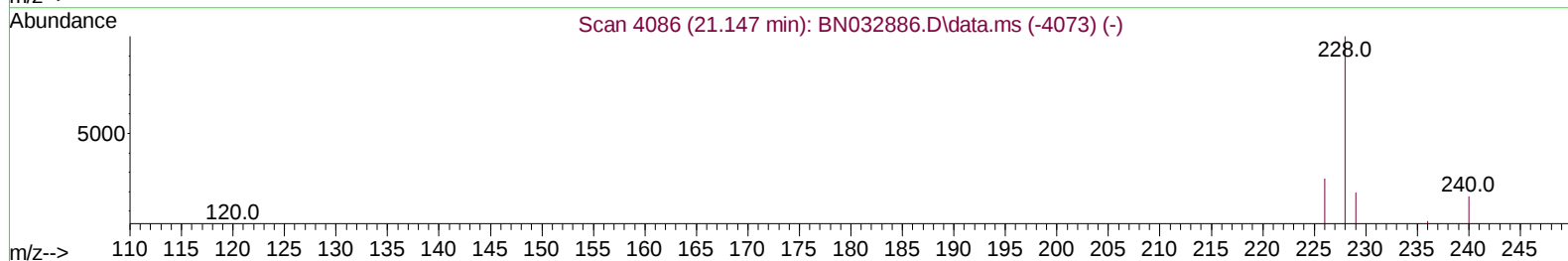
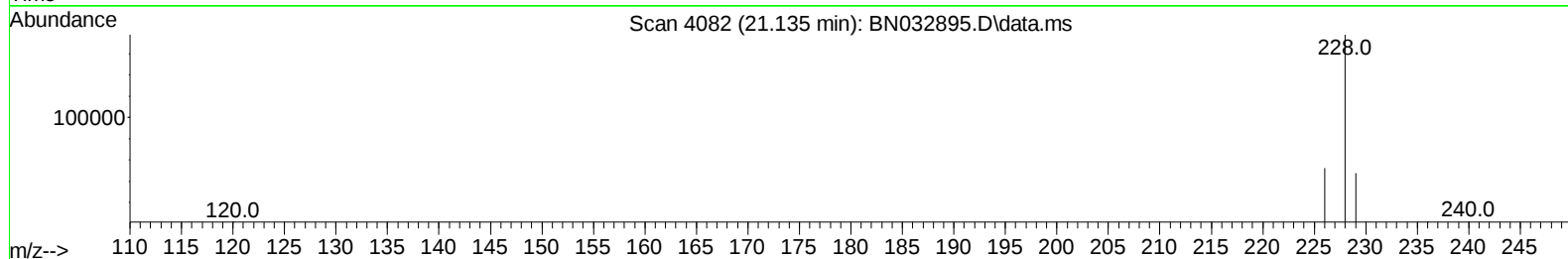
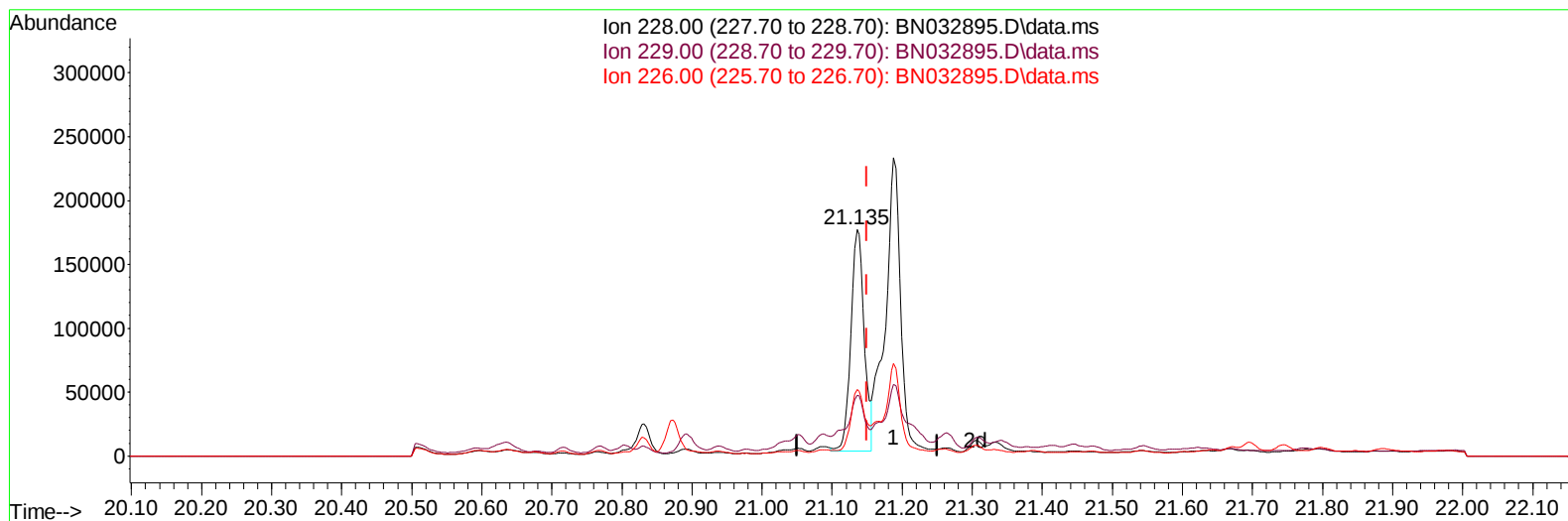
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(21) Benzo(a)anthracene

21.135min (-0.015) 5.27 ng/u1 m

response 231205

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	26.74#
226.00	27.40	29.34
0.00	0.00	0.00

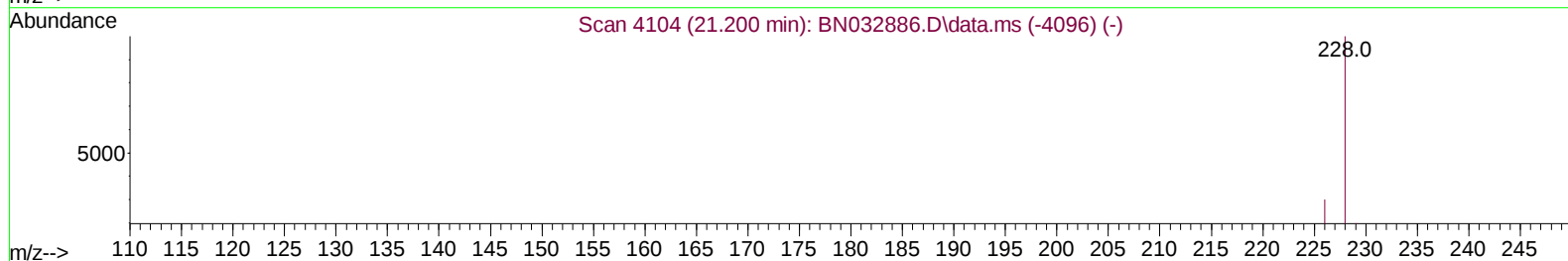
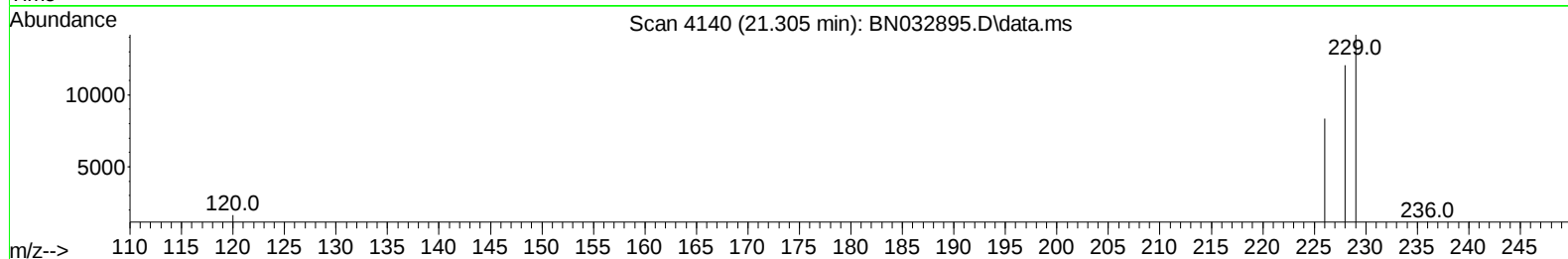
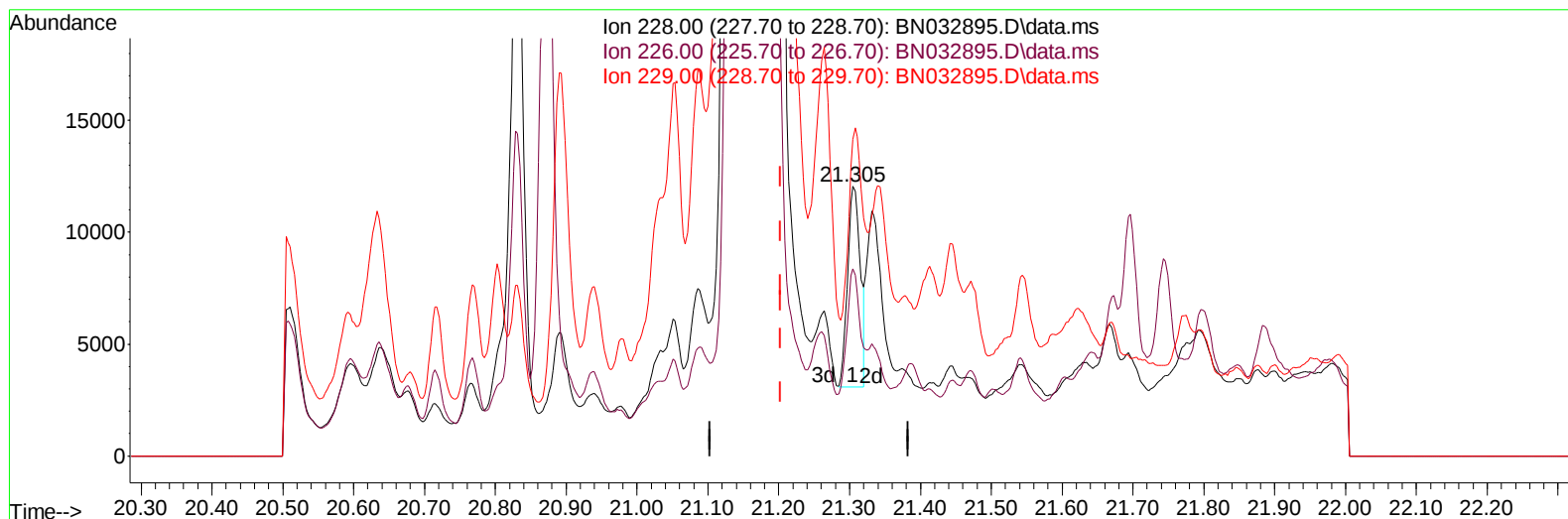
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(22) Chrysene

21.305min (+ 0.102) 0.18 ng/u1

response 11166

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	69.43#
229.00	19.70	117.62#
0.00	0.00	0.00

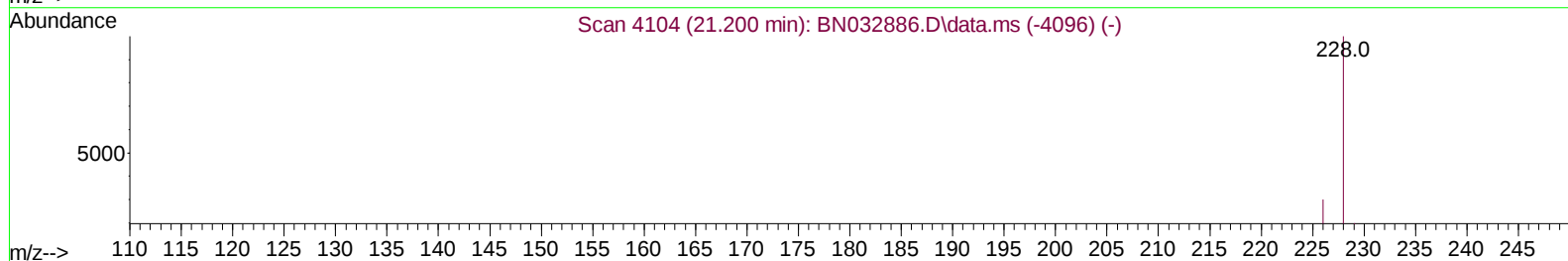
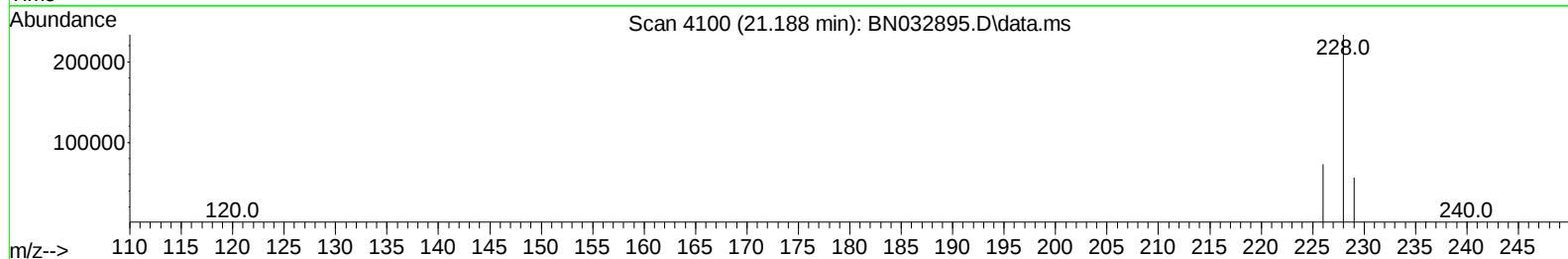
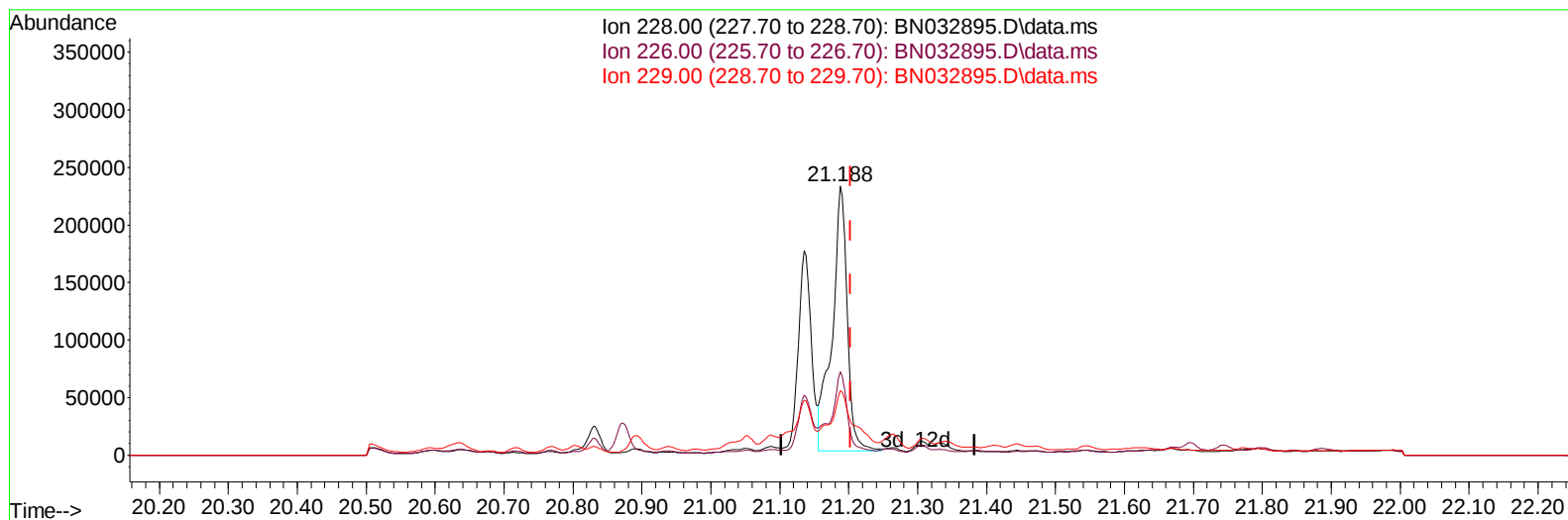
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(22) Chrysene

21.188min (-0.015) 5.55 ng/u1 m

response 351954

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.00	31.06
229.00	19.70	23.96#
0.00	0.00	0.00

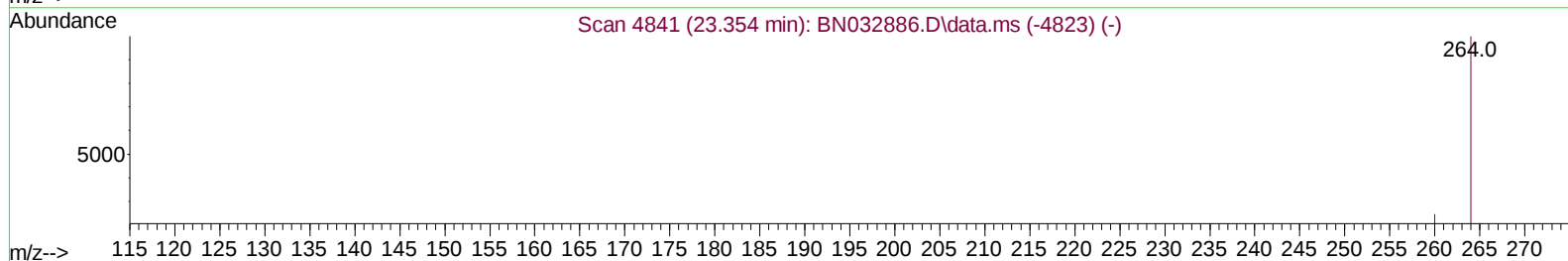
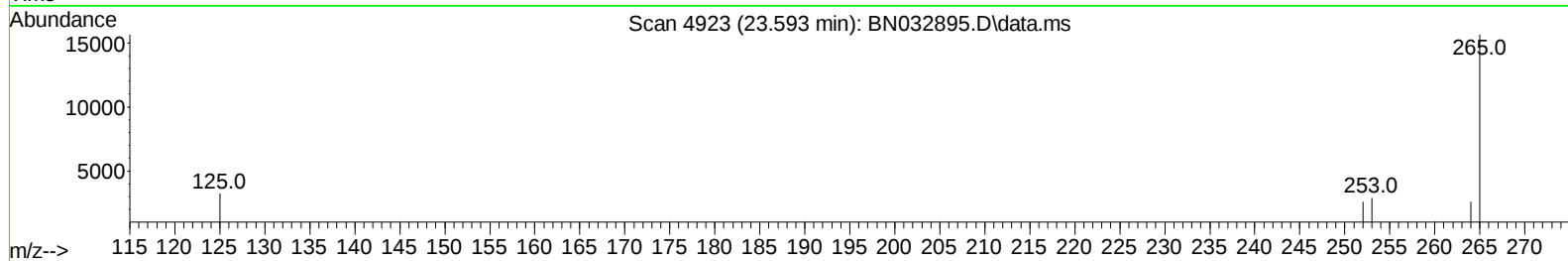
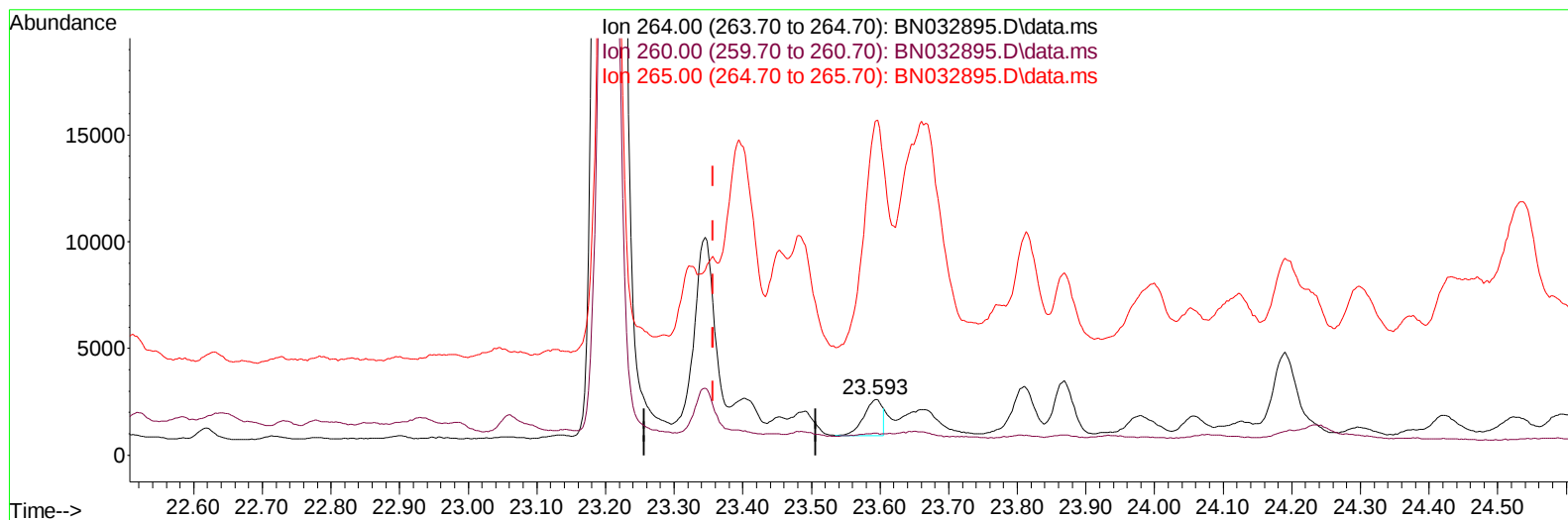
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
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TIC: BN032895.D\data.ms

(23) Perylene-d12 (I)

23.593min (+ 0.236) 0.40 ng/u1

response 3203

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	38.92#
265.00	95.50	598.16#
0.00	0.00	0.00

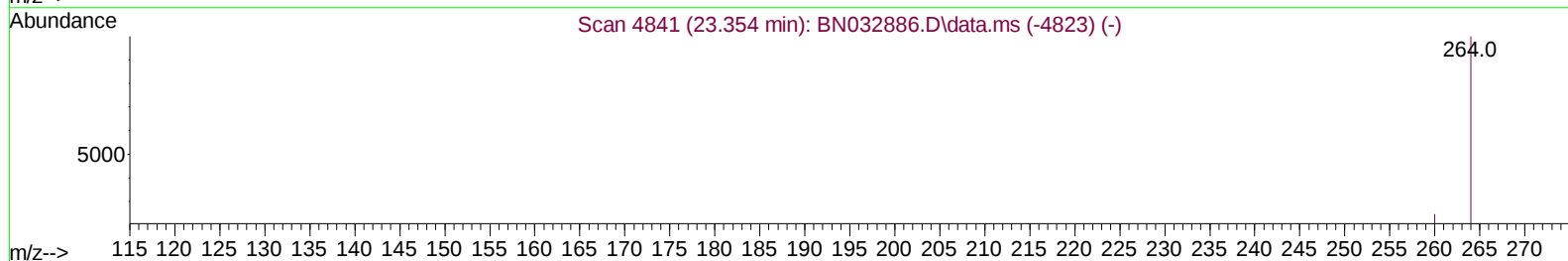
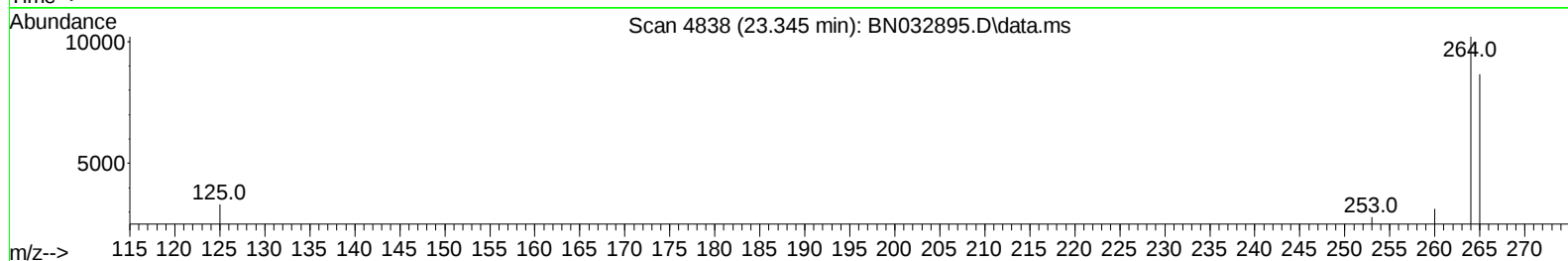
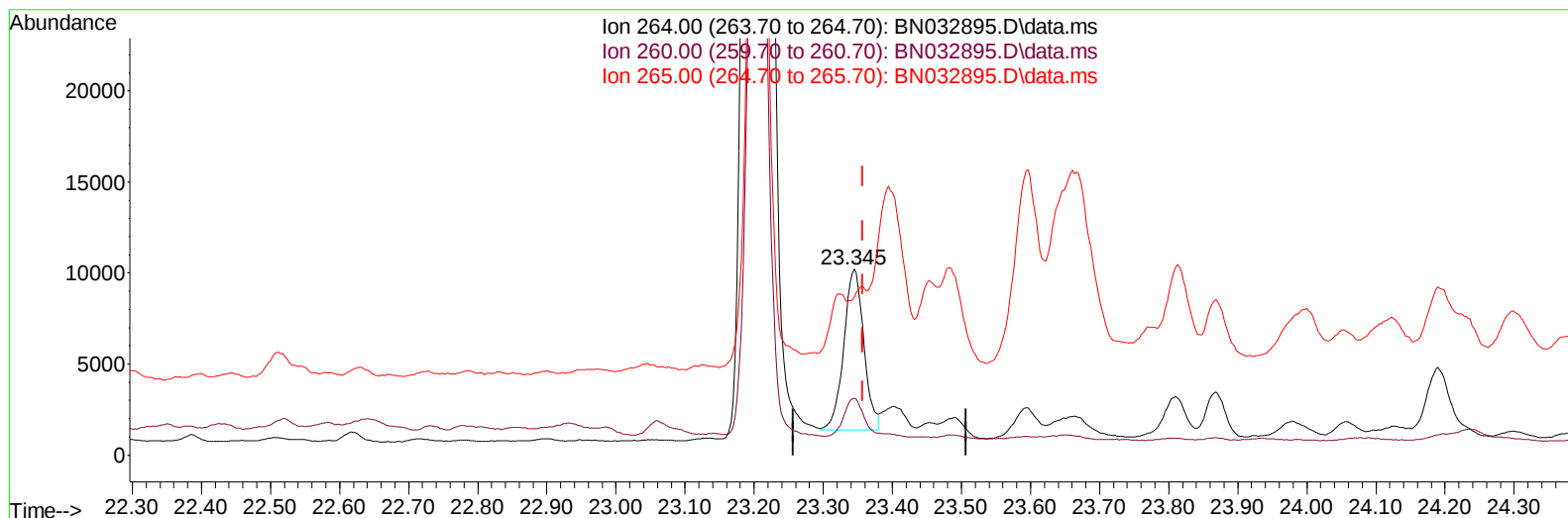
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
 Data File : BN032895.D
 Acq On : 22 Jul 2024 16:11
 Operator : MA/JU
 Sample : P3215-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 20 01:52:15 2024
 Response via : Initial Calibration

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TIC: BN032895.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 17829

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	30.68
265.00	95.50	84.80
0.00	0.00	0.00

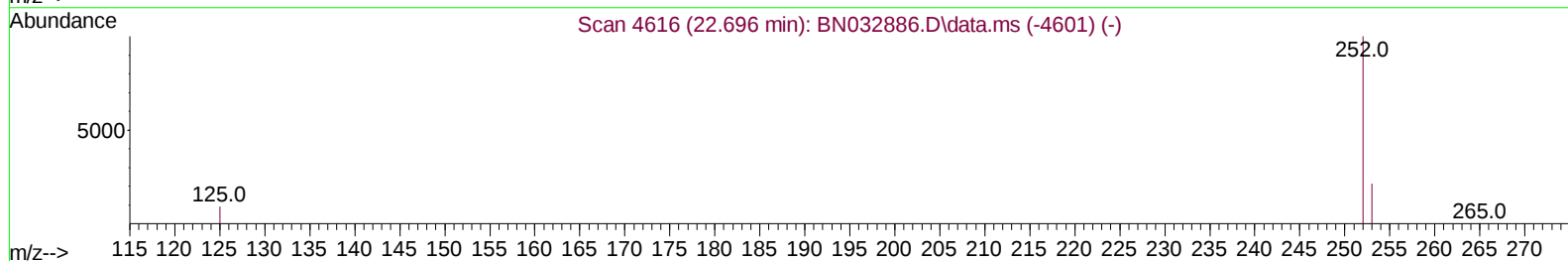
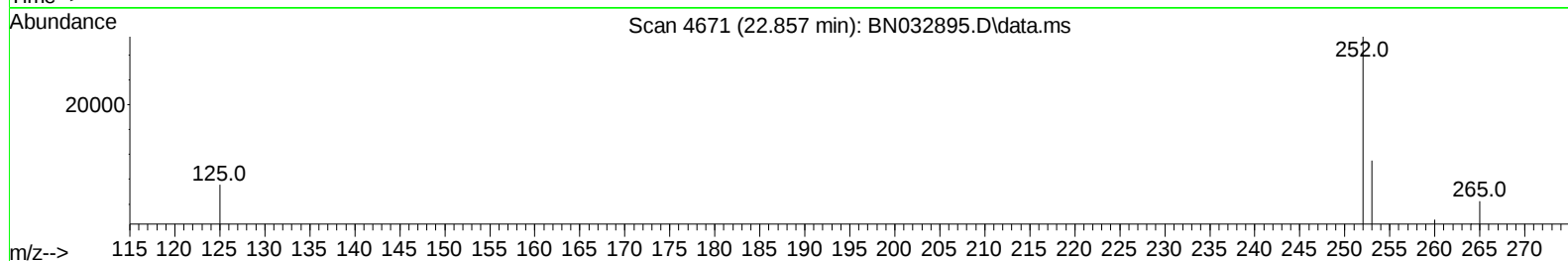
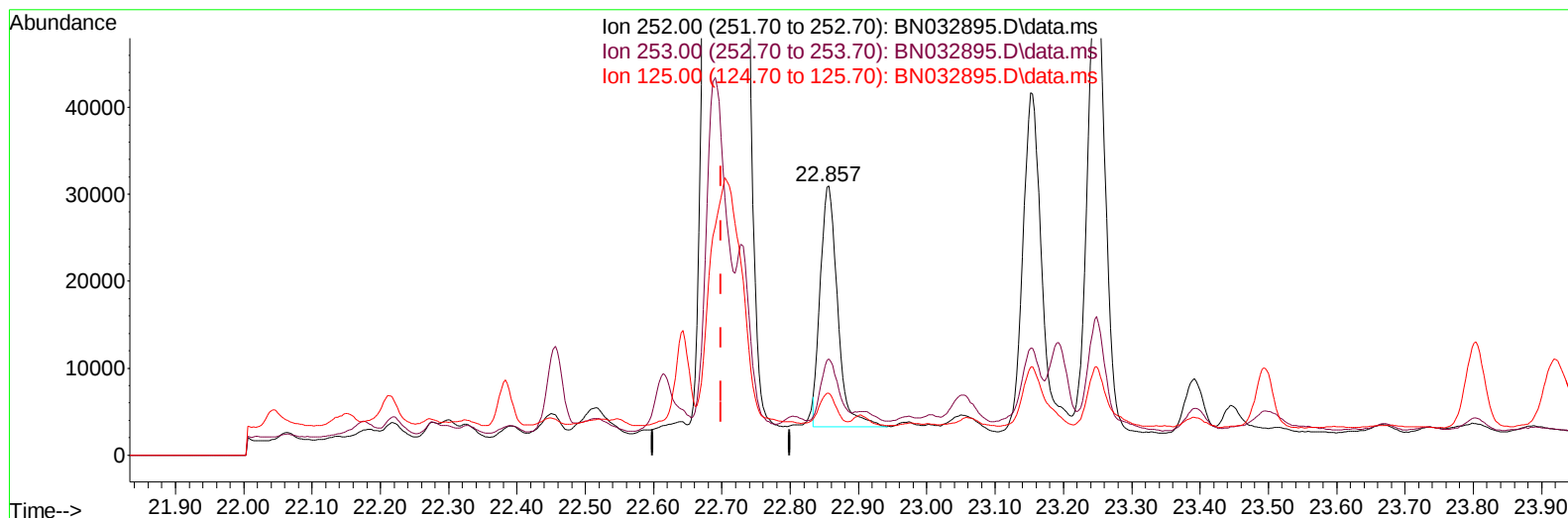
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032895.D\data.ms

(24) Benzo(b)fluoranthene

22.857min (+ 0.158) 0.78 ng/u1

response 49041

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	35.65
125.00	18.00	22.93
0.00	0.00	0.00

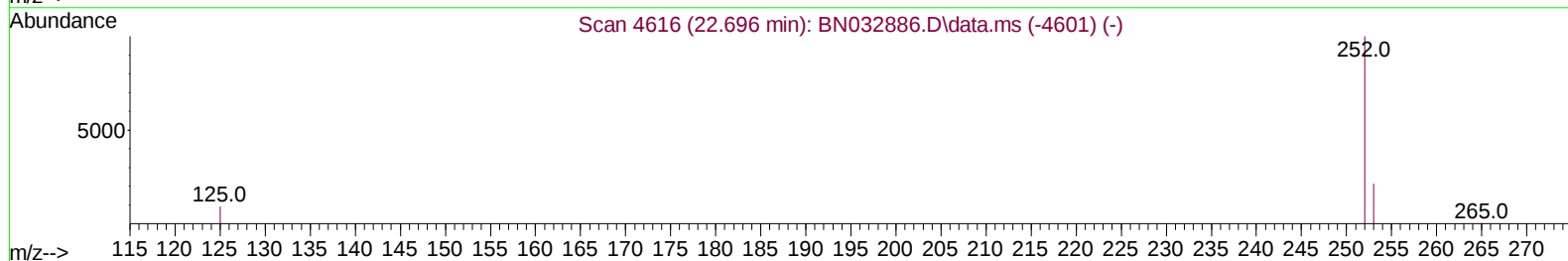
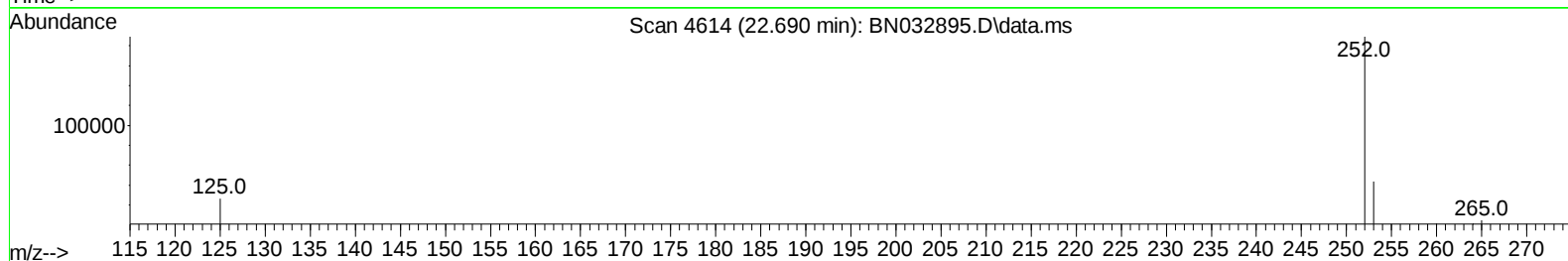
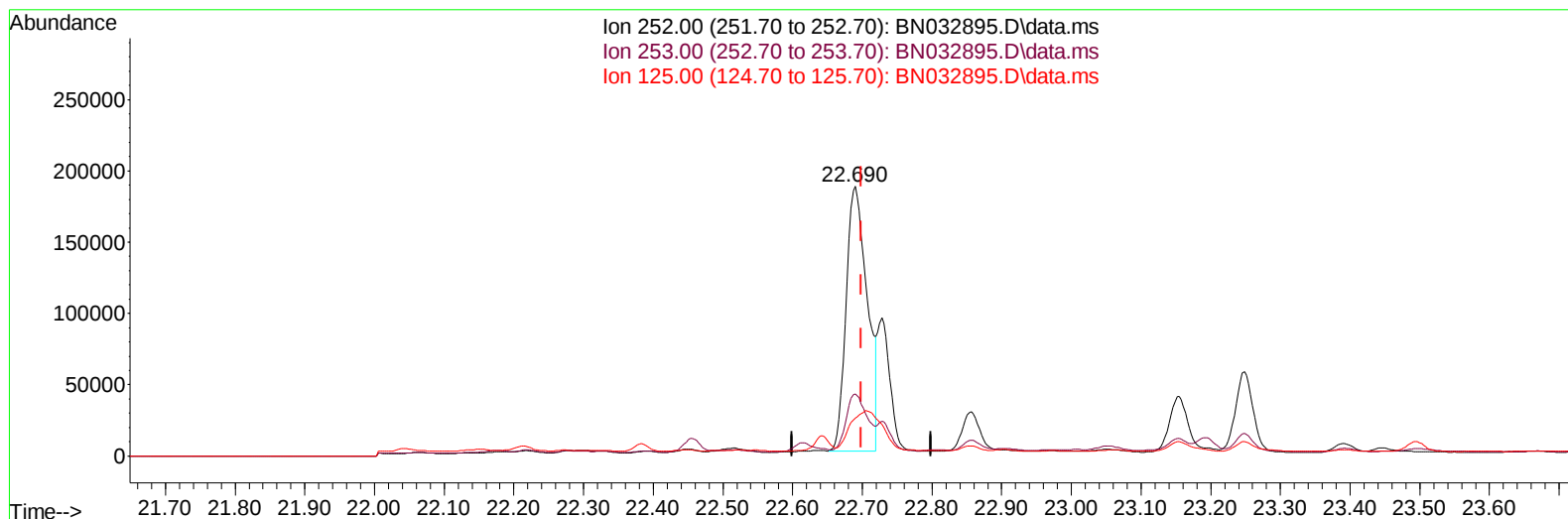
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032895.D\data.ms

(24) Benzo(b)fluoranthene

22.690min (-0.009) 6.24 ng/u1 m

response 392266

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.97
125.00	18.00	13.93
0.00	0.00	0.00

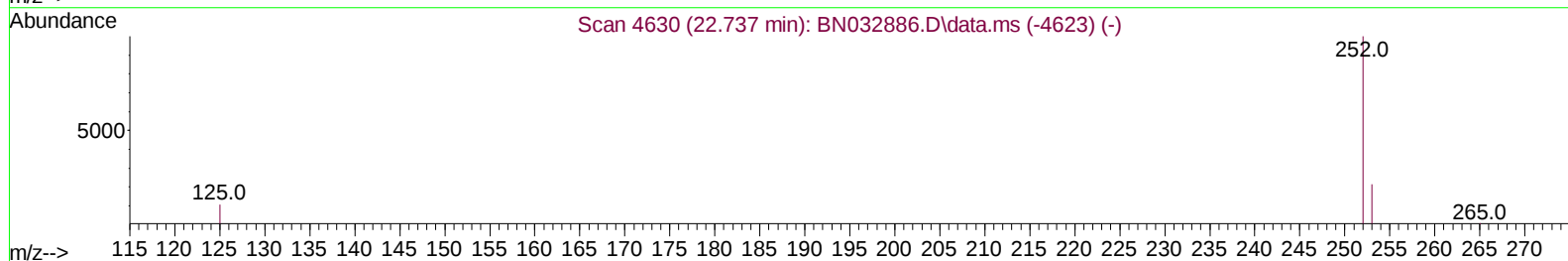
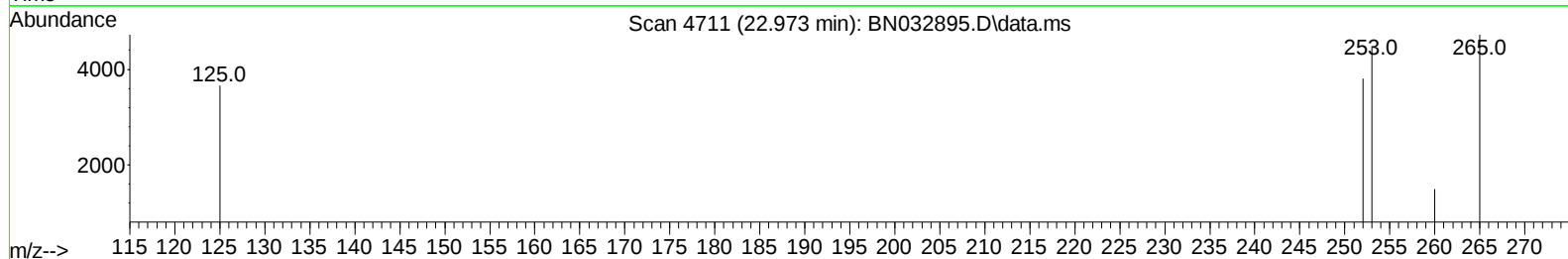
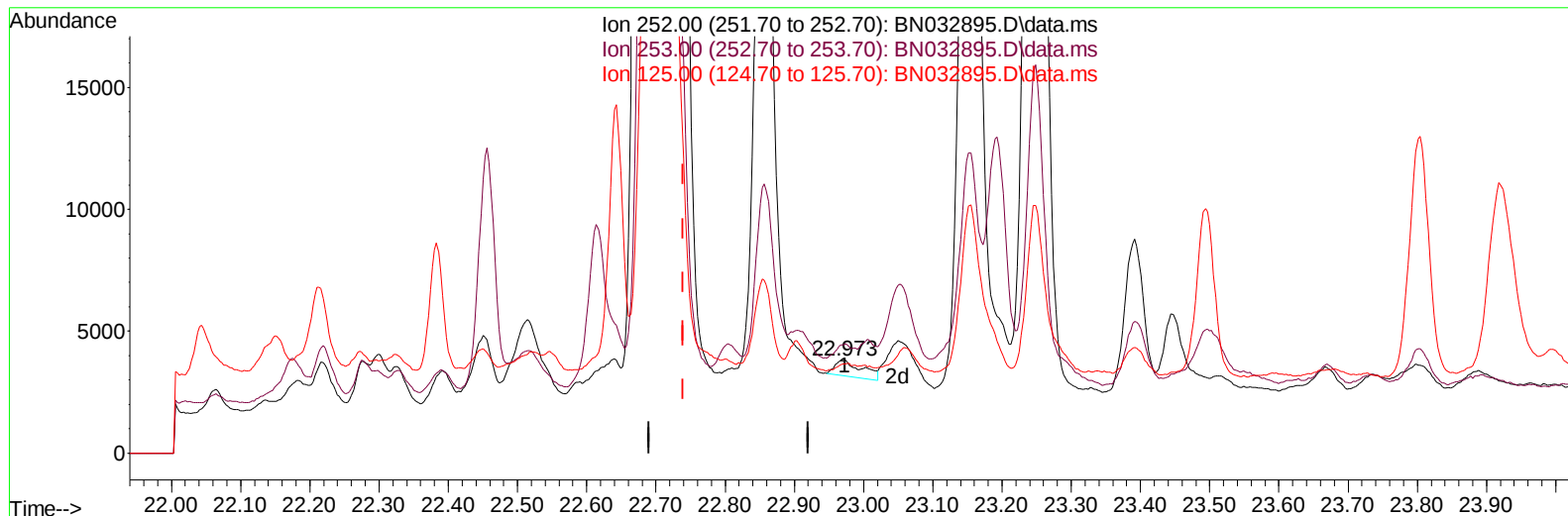
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(25) Benzo(k)fluoranthene

22.973min (+ 0.234) 0.02 ng/u1

response 1777

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	117.79#
125.00	18.50	96.09#
0.00	0.00	0.00

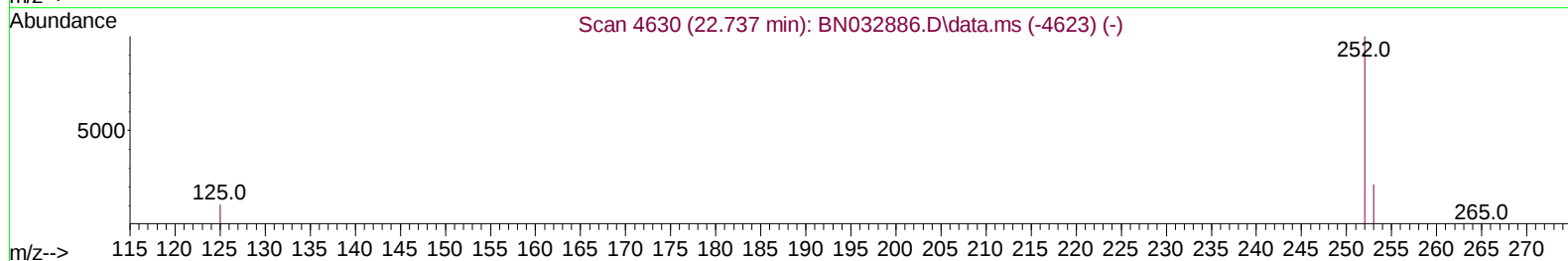
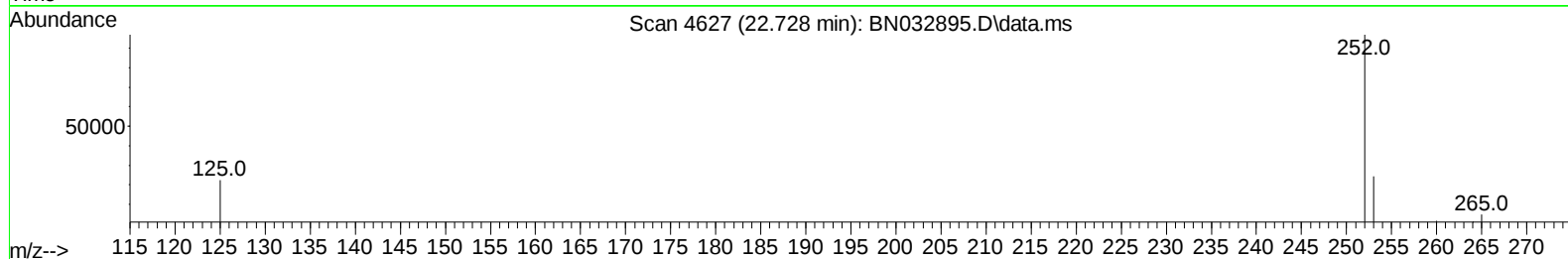
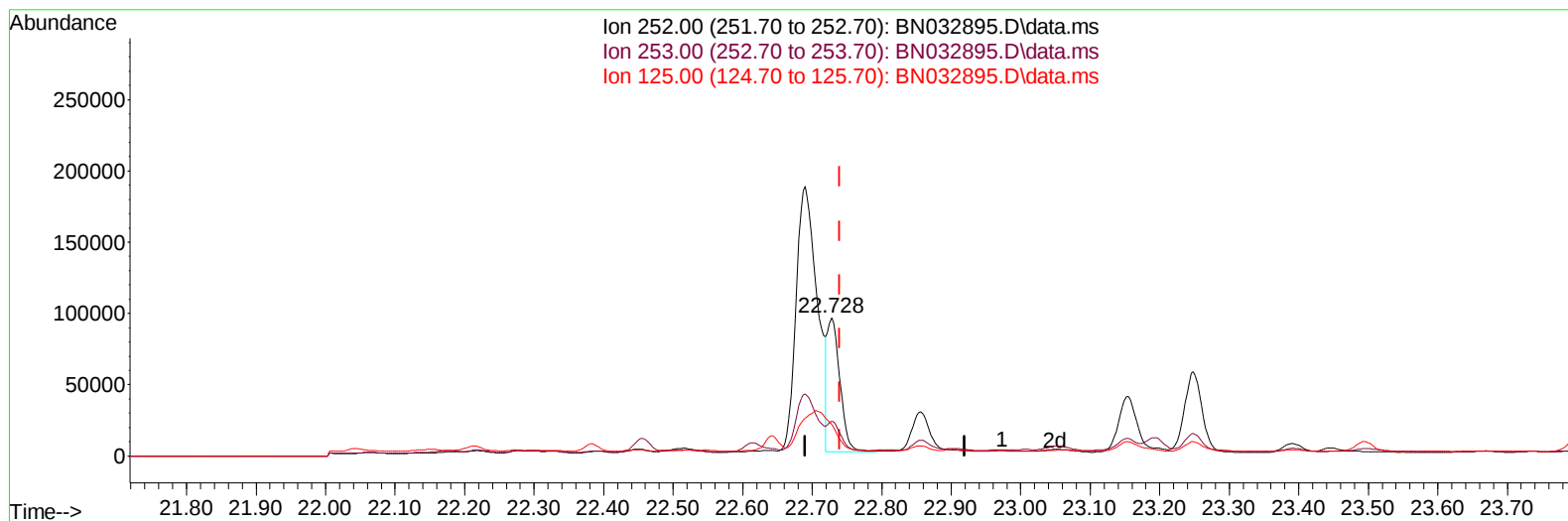
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 1.54 ng/u1 m

response 117740

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	25.06
125.00	18.50	22.98#
0.00	0.00	0.00

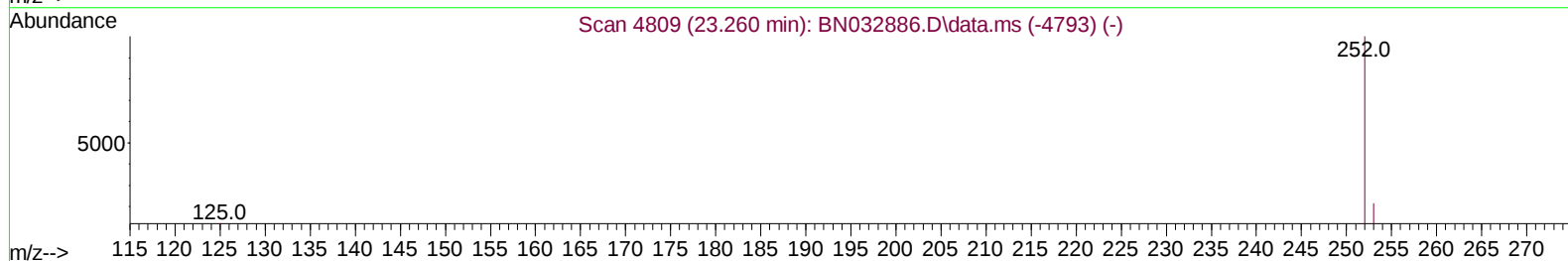
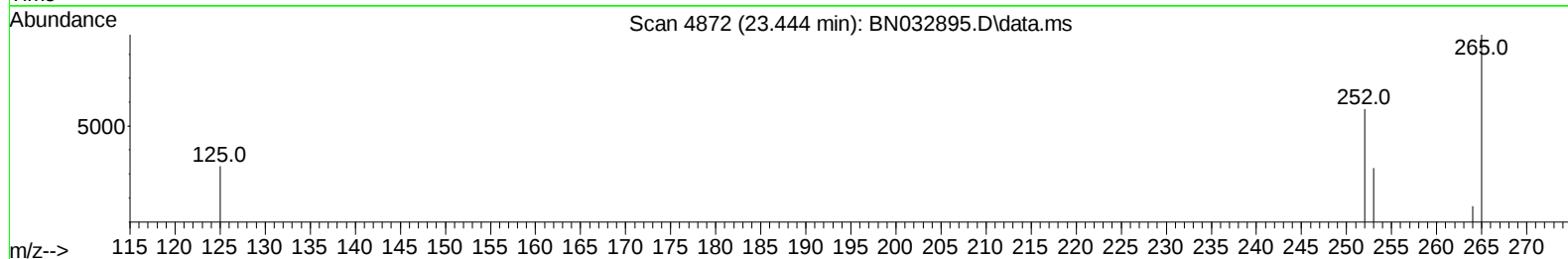
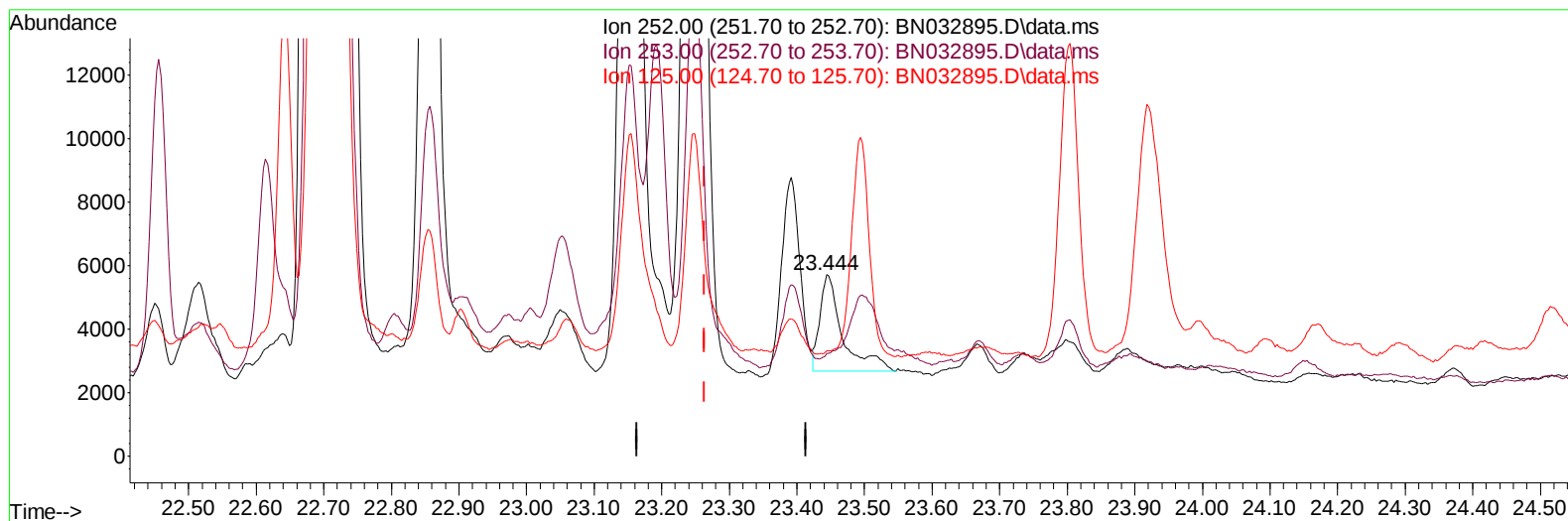
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(26) Benzo(a)pyrene (C)

23.444min (+ 0.181) 0.13 ng/u1

response 7042

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	56.55#
125.00	25.70	57.95#
0.00	0.00	0.00

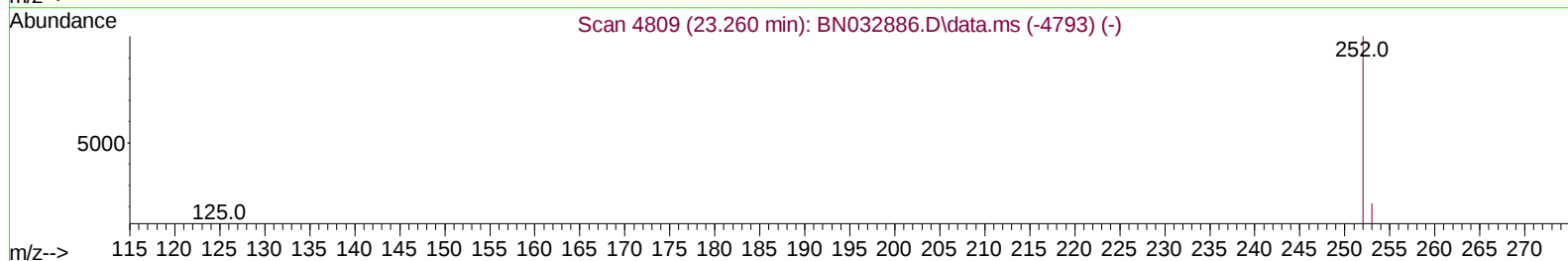
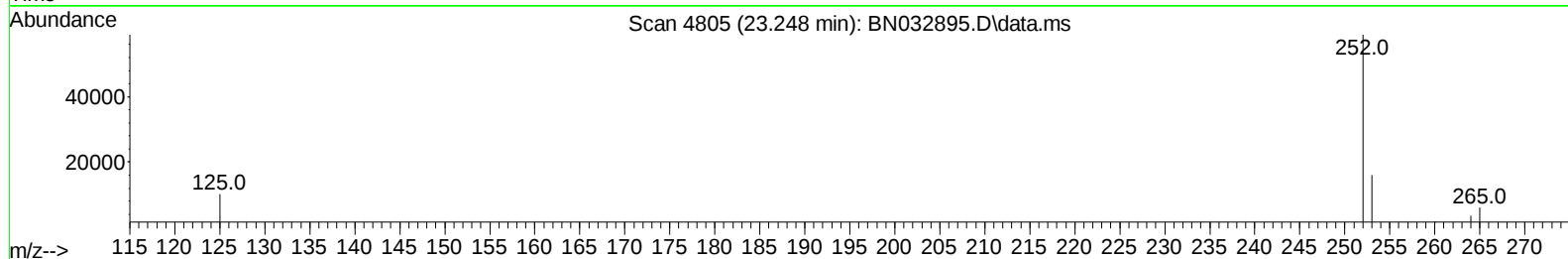
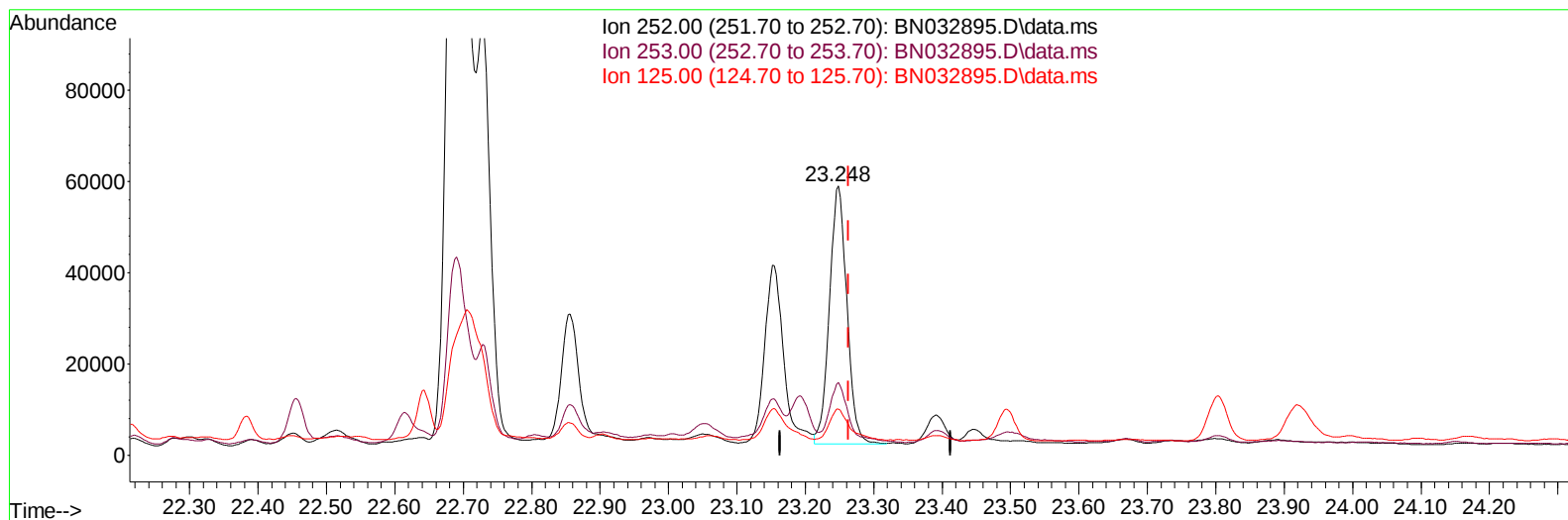
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(26) Benzo(a)pyrene (C)

23.248min (-0.015) 1.83 ng/u1 m

response 99551

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	27.00
125.00	25.70	17.22#
0.00	0.00	0.00

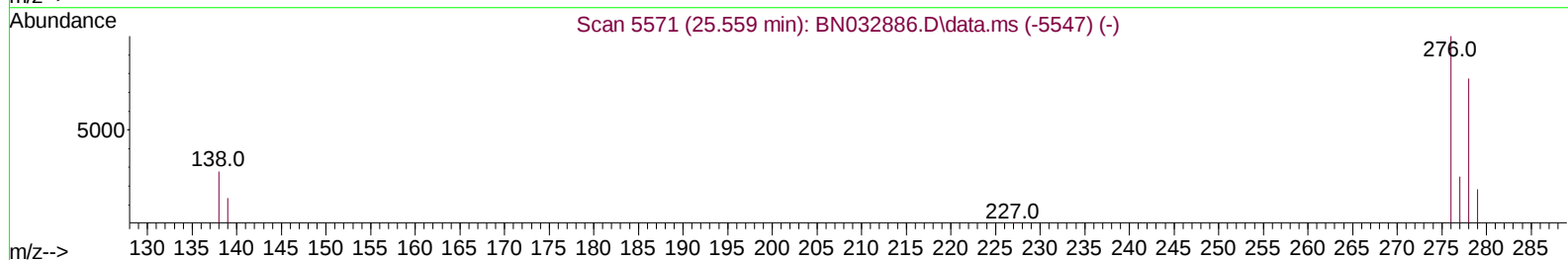
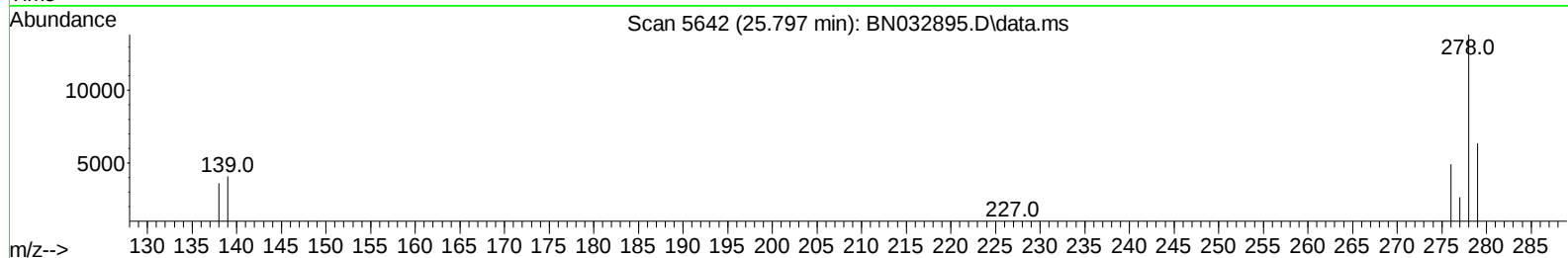
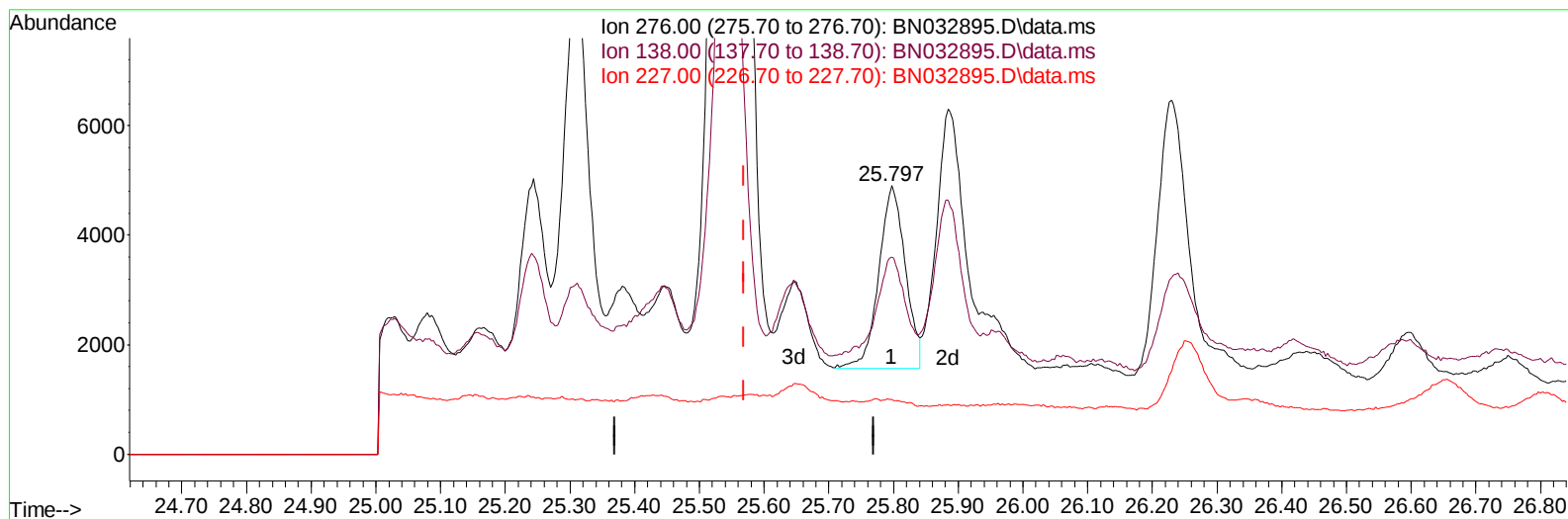
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
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TIC: BN032895.D\data.ms

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

25.797min (+ 0.228) 0.13 ng/u1

response 9549

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.00	57.59#
227.00	0.00	0.00
0.00	0.00	0.00

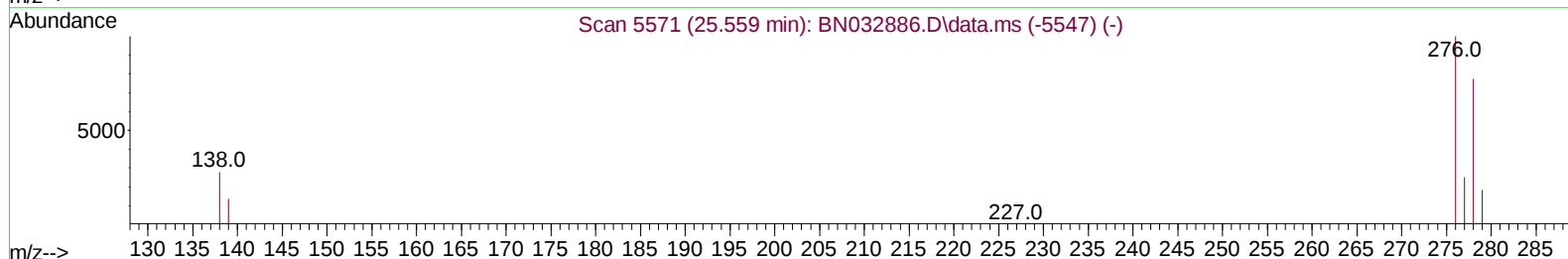
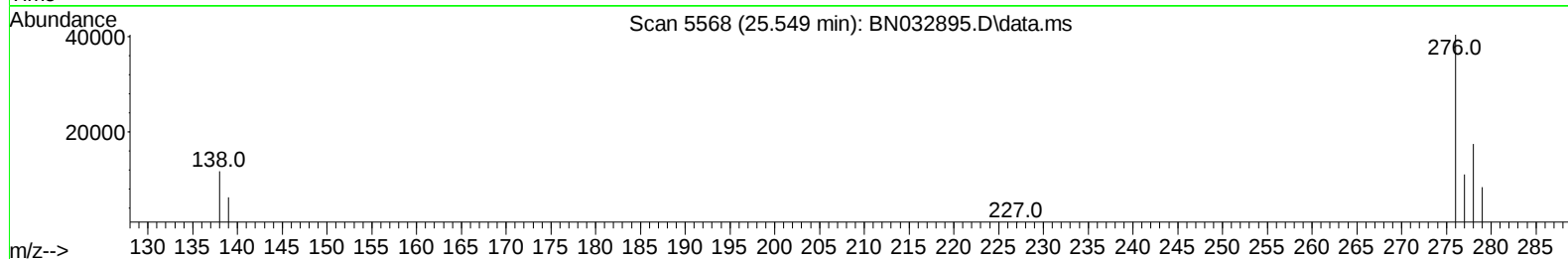
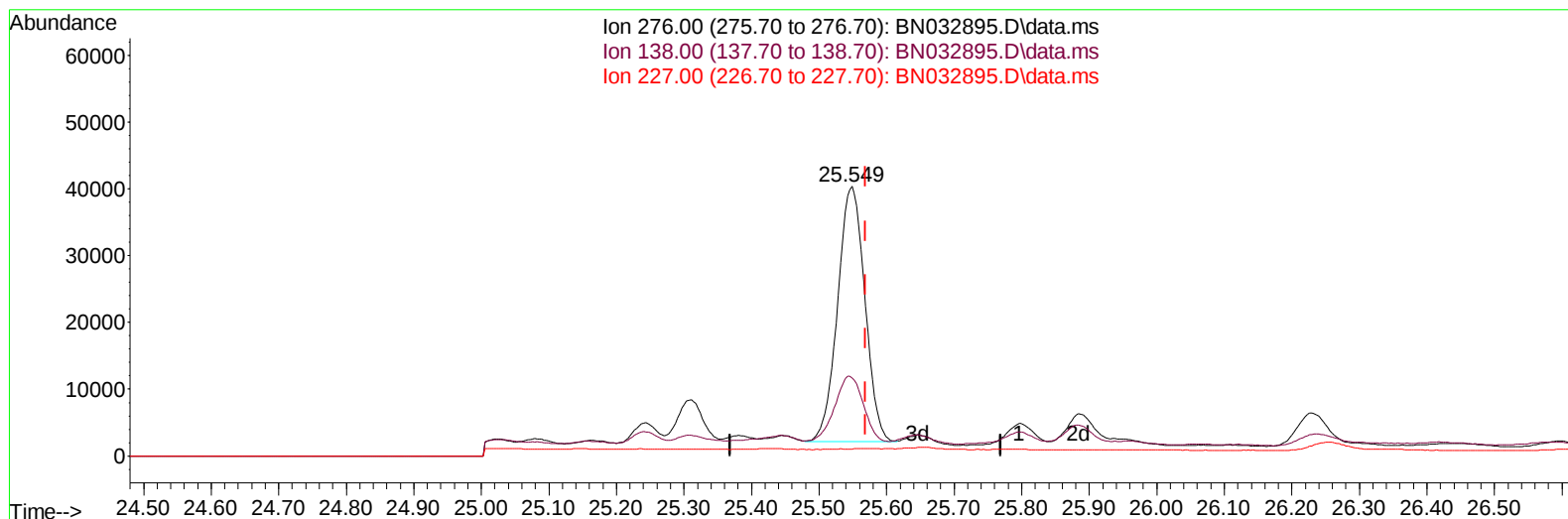
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032895.D\data.ms

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

25.549min (-0.020) 1.45 ng/u1 m

response 107139

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	27.00	5.13#
227.00	0.00	0.00
0.00	0.00	0.00

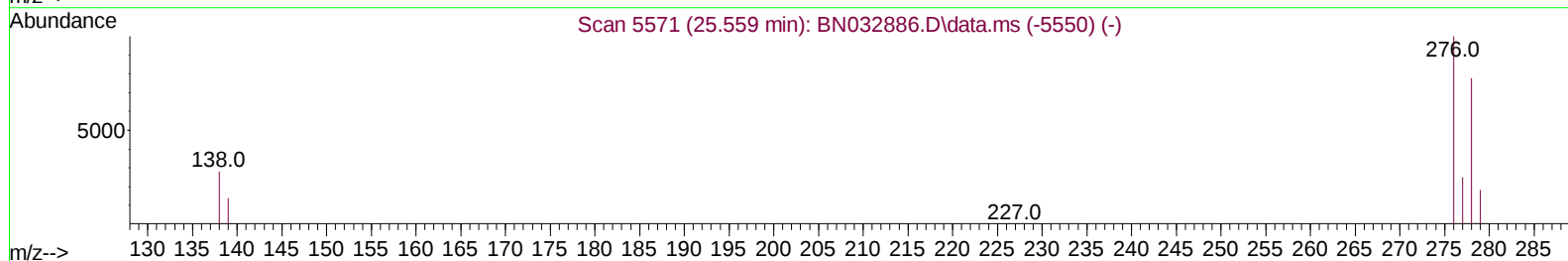
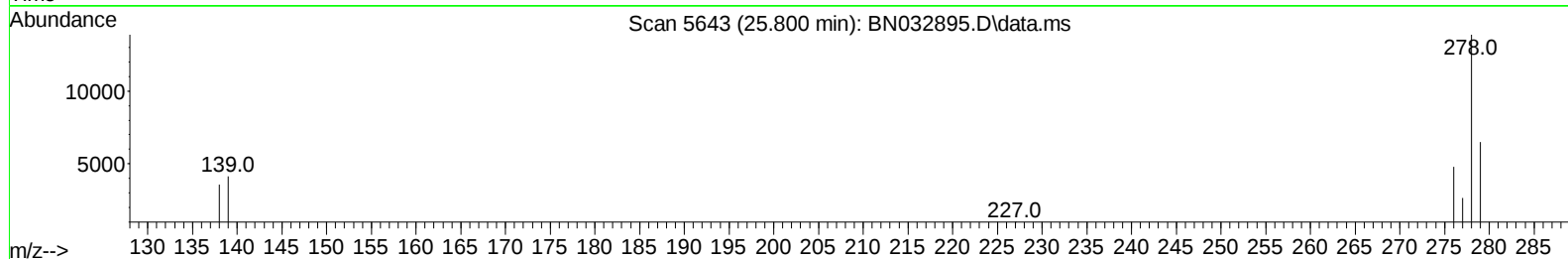
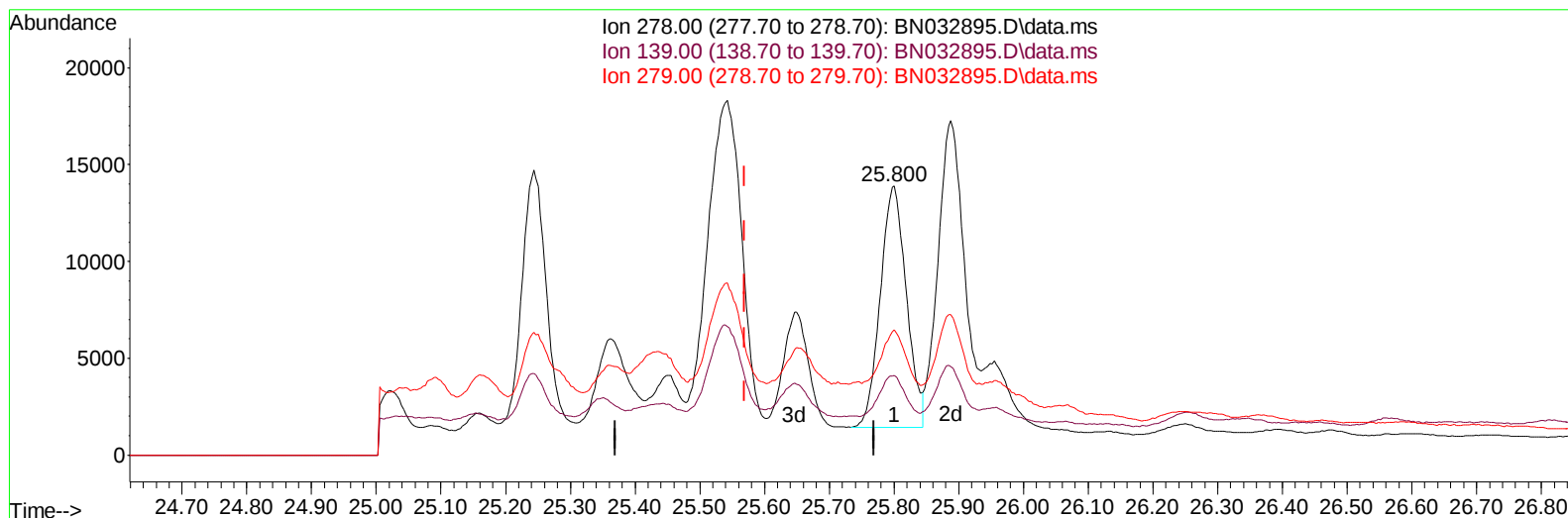
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(28) Dibenzo(a,h)anthracene

25.800min (+ 0.231) 0.61 ng/u1

response 34860

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.70	29.61#
279.00	29.60	46.64#
0.00	0.00	0.00

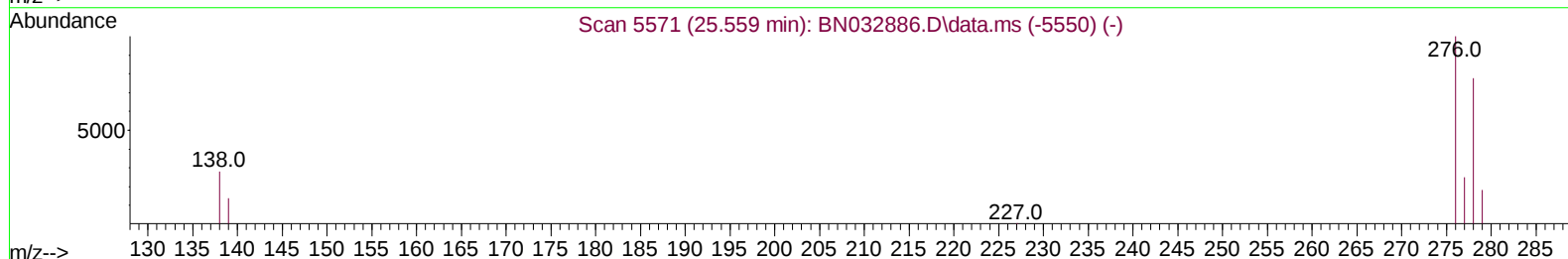
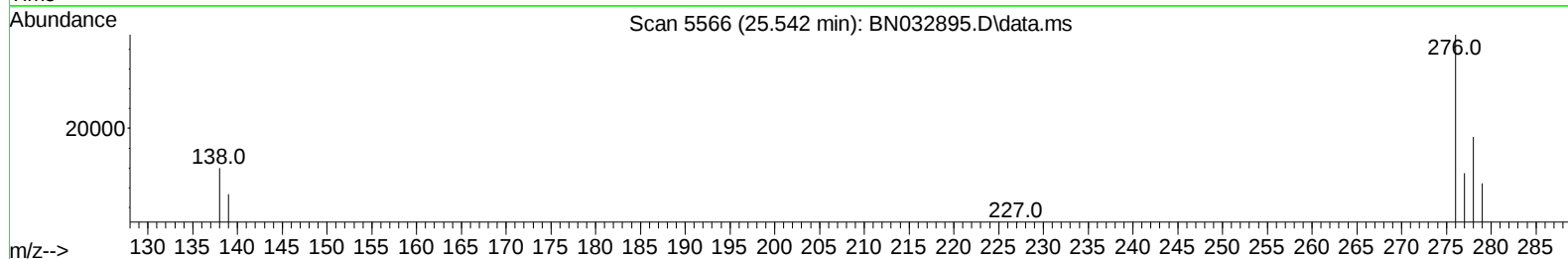
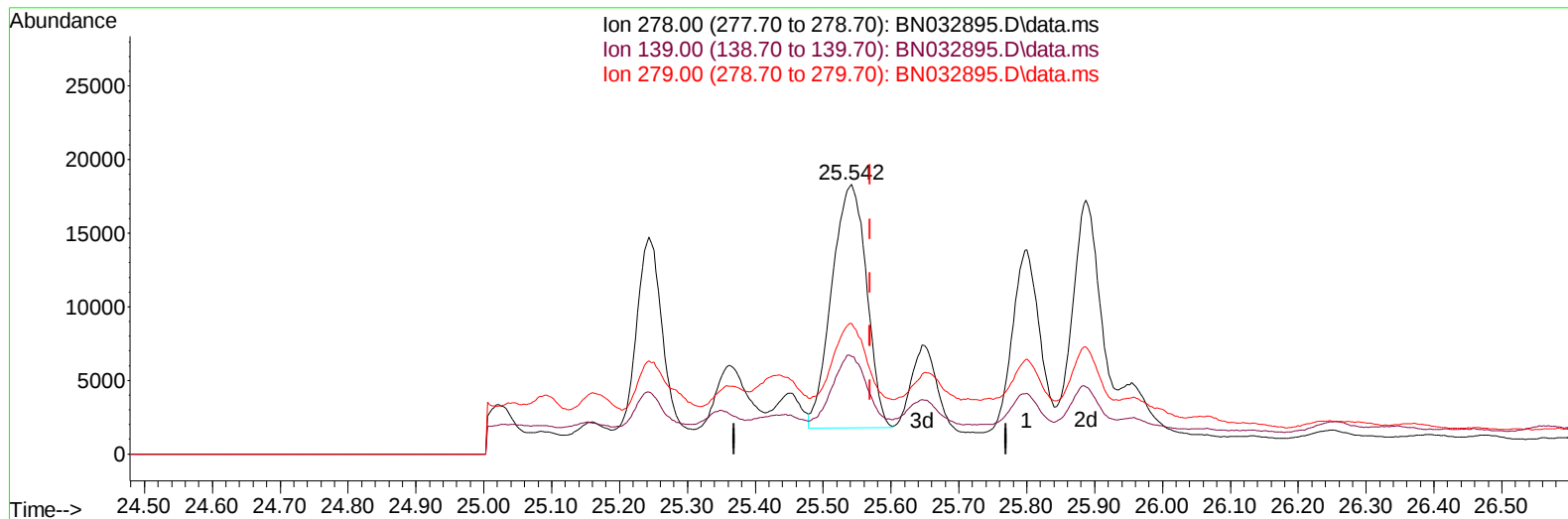
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

(28) Dibenzo(a,h)anthracene

25.542min (-0.027) 1.02 ng/u1 m

response 58500

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	20.70	36.29#
279.00	29.60	48.51#
0.00	0.00	0.00

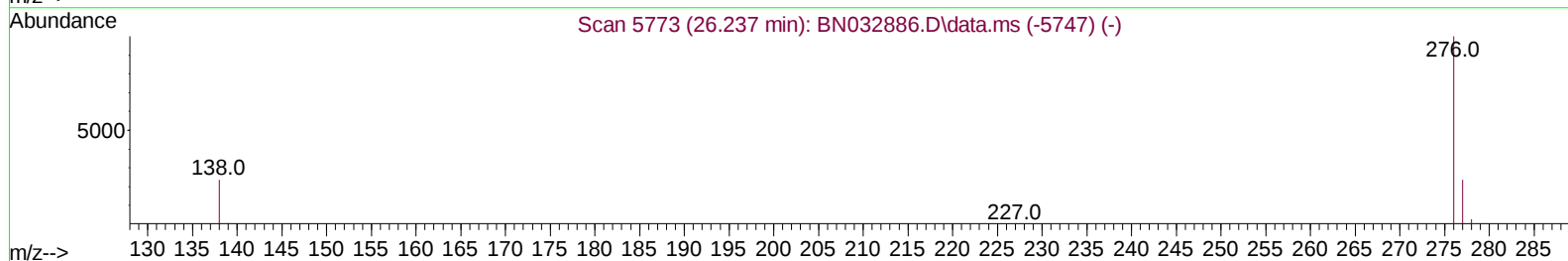
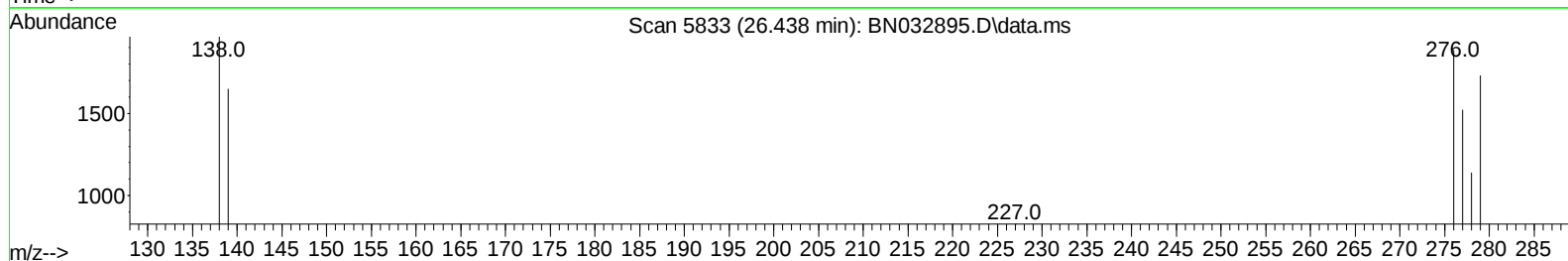
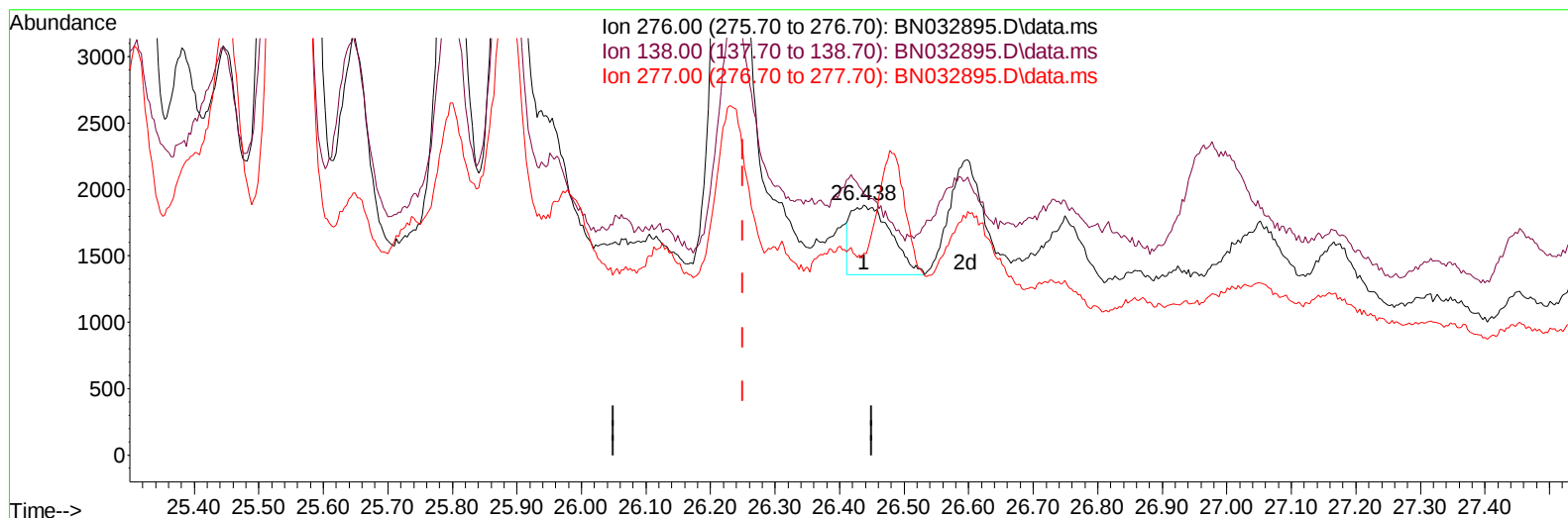
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

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

26.438min (+ 0.187) 0.04 ng/u1

response 2257

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	104.35#
277.00	25.80	80.79#
0.00	0.00	0.00

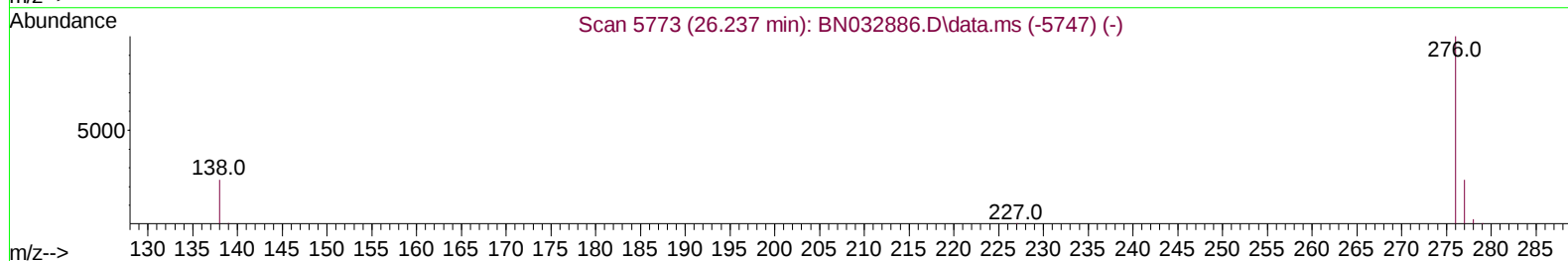
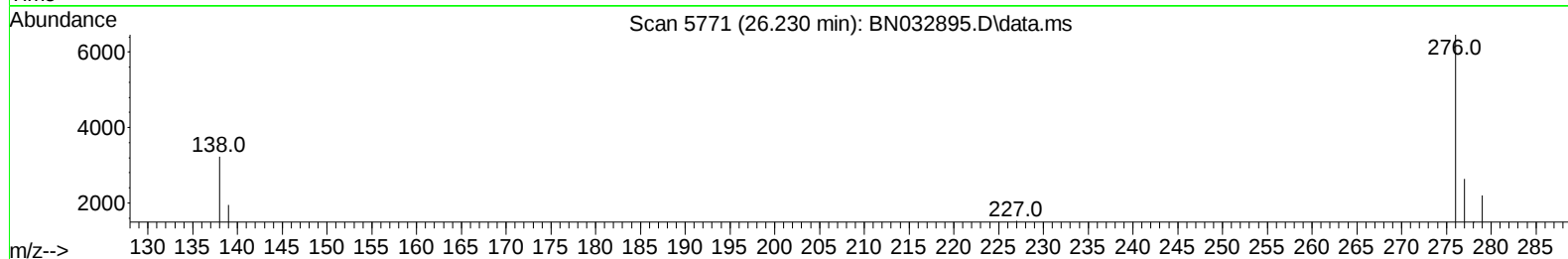
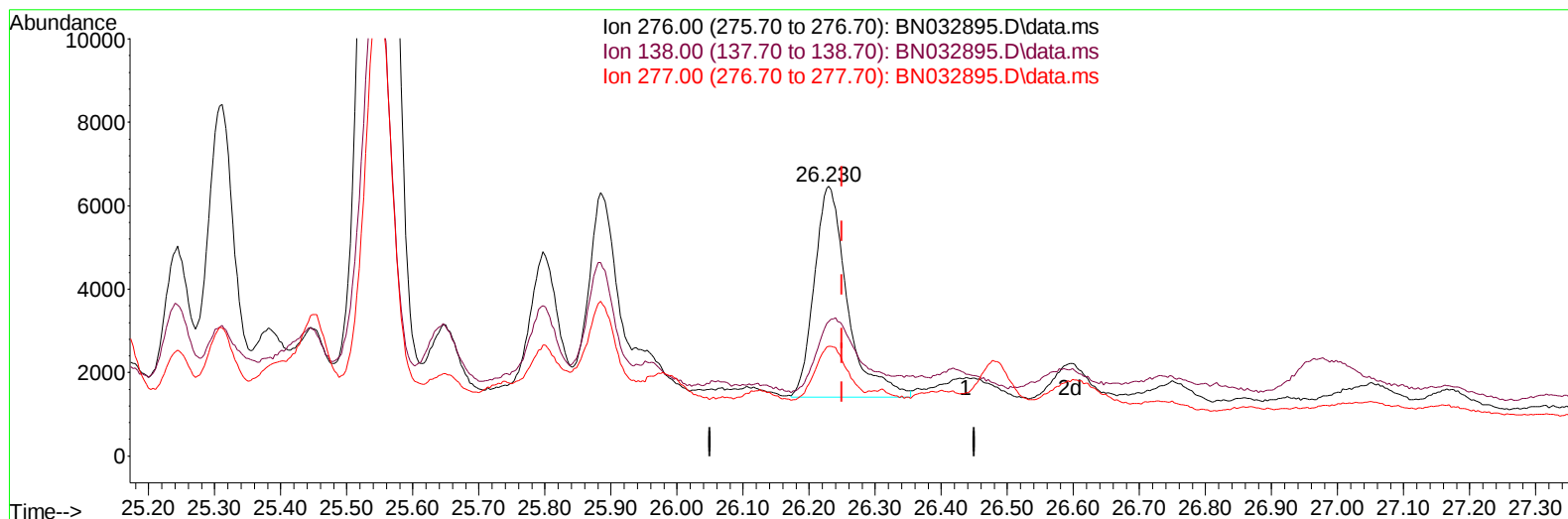
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
 Data File : BN032895.D
 Acq On : 22 Jul 2024 16:11
 Operator : MA/JU
 Sample : P3215-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 20 01:52:15 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/23/2024



TIC: BN032895.D\data.ms

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

26.230min (-0.020) 0.29 ng/ul m

response 17574

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.20	49.98#
277.00	25.80	40.73#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
 Data File : BN032895.D
 Acq On : 22 Jul 2024 16:11
 Operator : MA/JU
 Sample : P3215-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D26

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 16:55:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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 QLast Update : Sat Jul 20 01:52:15 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4041	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	13187	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	8526	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.931	188	14973m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.153	240	13777m	0.400	ng/ul	-0.01
23) Perylene-d12	23.345	264	17829m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	15094	3.111	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.889	152	4354	0.218	ng/ul	-0.04
18) Fluoranthene-d10	18.975	212	8783m	0.196	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.338	128	46551	1.315	ng/ul	98
7) 2-Methylnaphthalene	11.965	142	42488	1.922	ng/ul	96
8) 1-Methylnaphthalene	12.185	142	43754	1.914	ng/ul	99
10) Acenaphthylene	13.892	152	34788	1.010	ng/ul#	95
11) Acenaphthene	14.234	153	6472	0.227	ng/ul	97
12) Fluorene	15.234	166	7408m	0.227	ng/ul	
15) Phenanthrene	16.974	178	278269m	6.824	ng/ul	
16) Anthracene	17.066	178	38861m	1.166	ng/ul	
19) Fluoranthene	19.008	202	469080m	8.374	ng/ul	
20) Pyrene	19.375	202	278317m	4.800	ng/ul	
21) Benzo(a)anthracene	21.135	228	231205m	5.272	ng/ul	
22) Chrysene	21.188	228	351954m	5.548	ng/ul	
24) Benzo(b)fluoranthene	22.690	252	392266m	6.236	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	117740m	1.536	ng/ul	
26) Benzo(a)pyrene	23.248	252	99551m	1.829	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.549	276	107139m	1.453	ng/ul	
28) Dibenzo(a,h)anthracene	25.542	278	58500m	1.024	ng/ul	
29) Benzo(g,h,i)perylene	26.230	276	17574m	0.285	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032895.D
Acq On : 22 Jul 2024 16:11
Operator : MA/JU
Sample : P3215-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D26

Manual IntegrationsAPPROVED

Quant Time: Jul 22 16:55:47 2024
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