

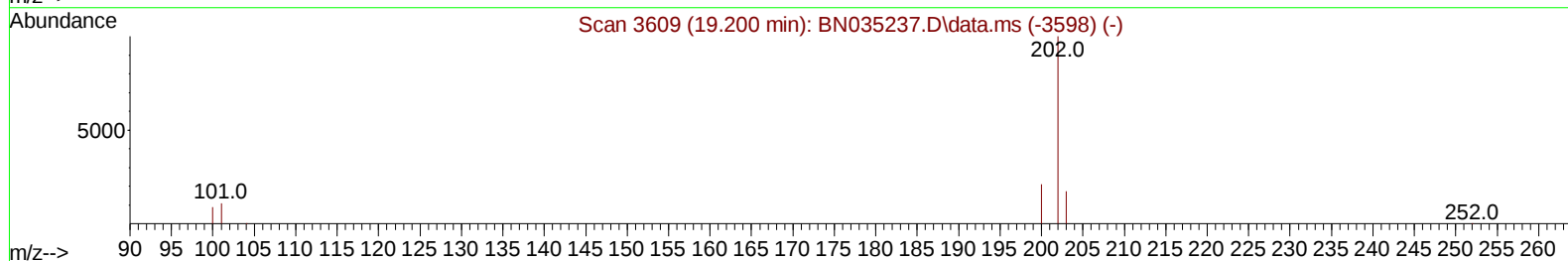
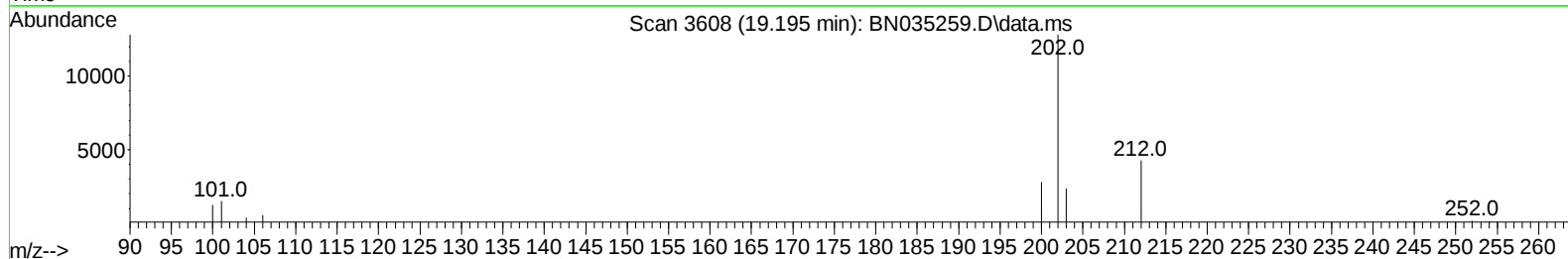
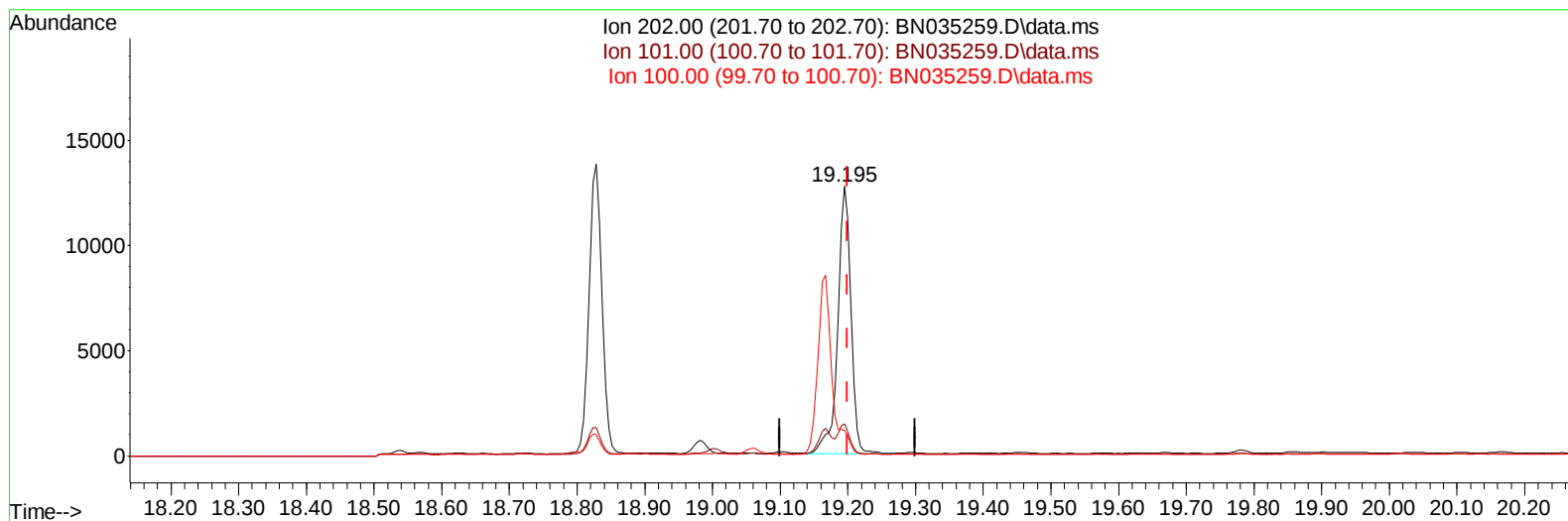
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(20) Pyrene

19.195min (-0.005) 0.50 ng/u1

response 17009

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	11.83#
100.00	6.40	9.64#
0.00	0.00	0.00

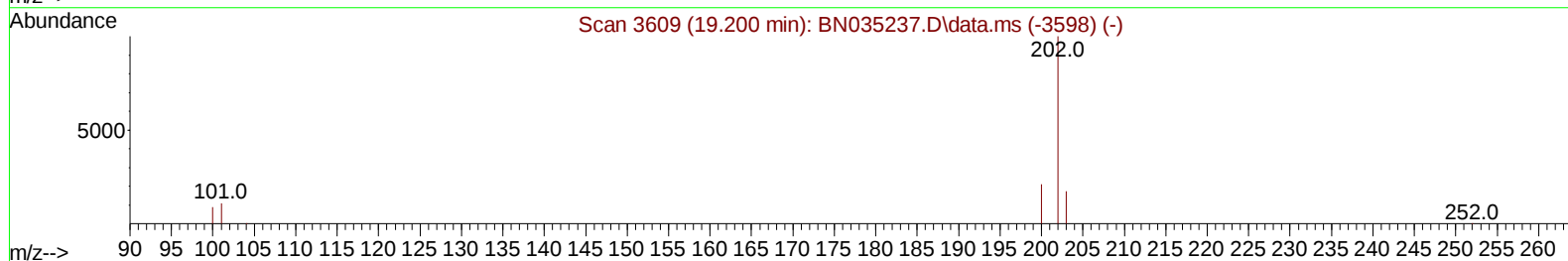
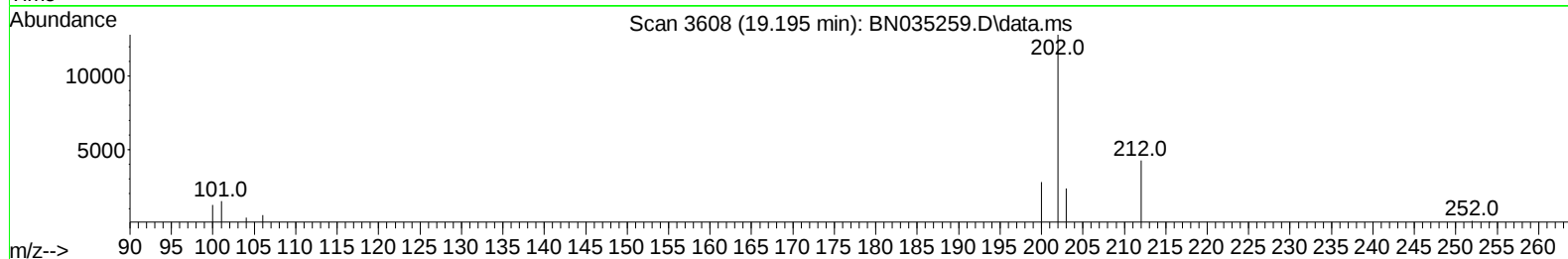
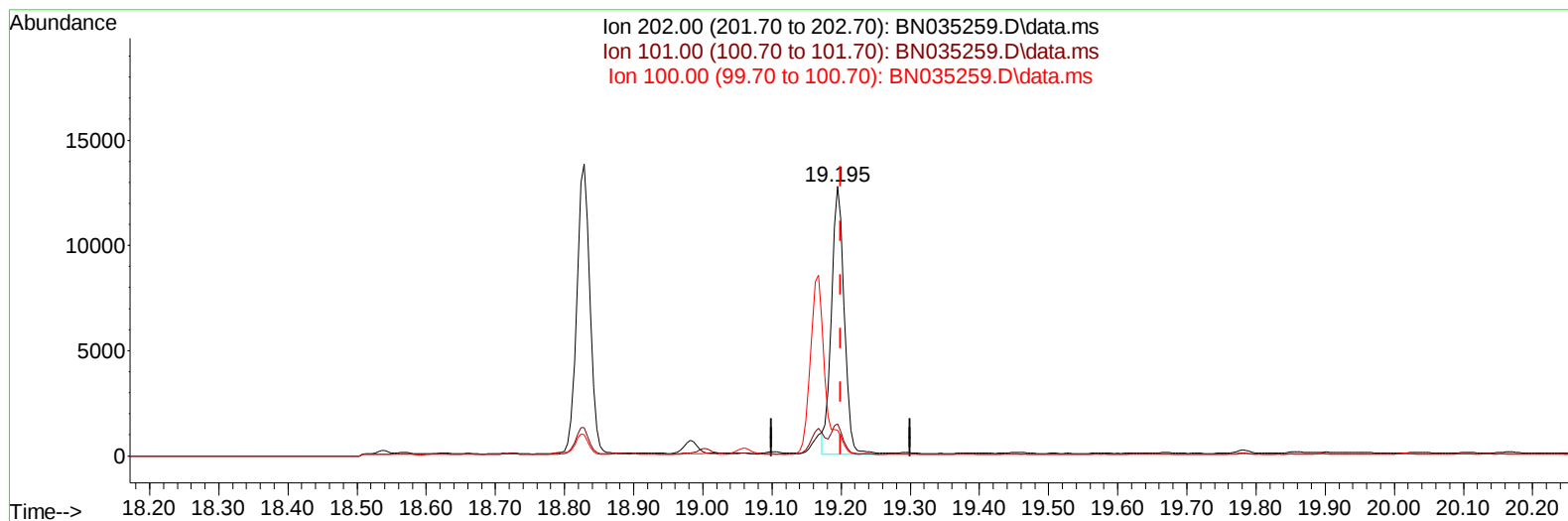
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(20) Pyrene

19.195min (-0.005) 0.48 ng/ul m

response 16269

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	11.83#
100.00	6.40	9.64#
0.00	0.00	0.00

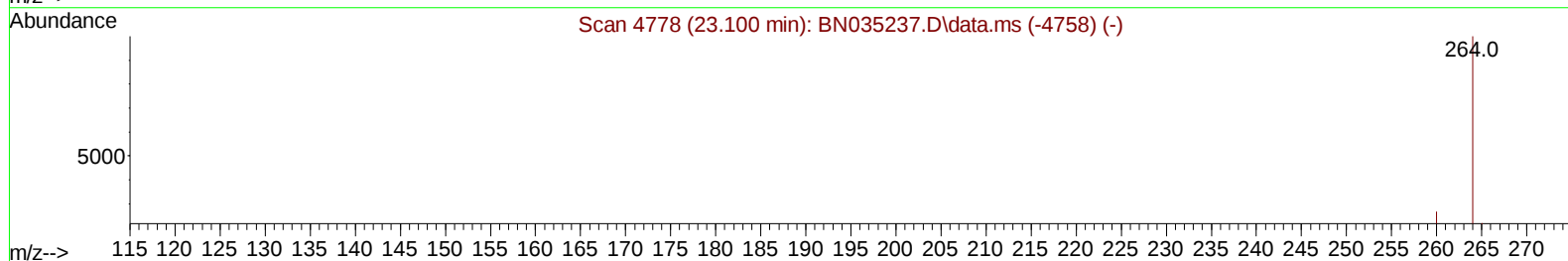
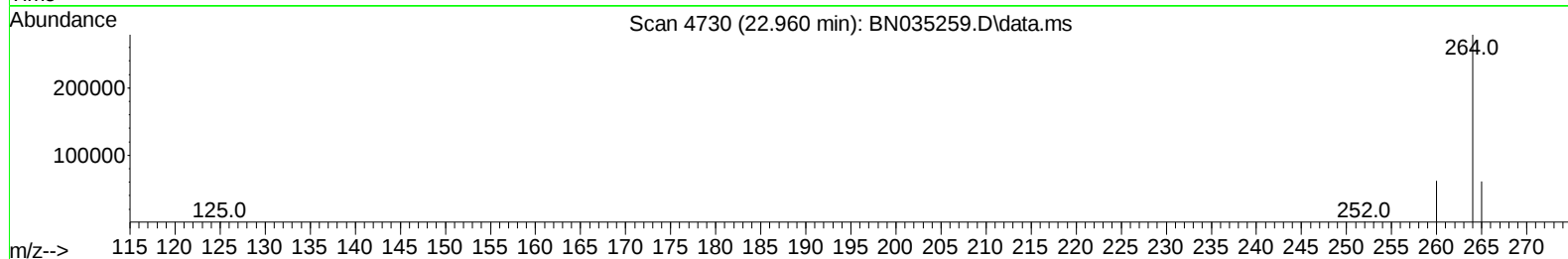
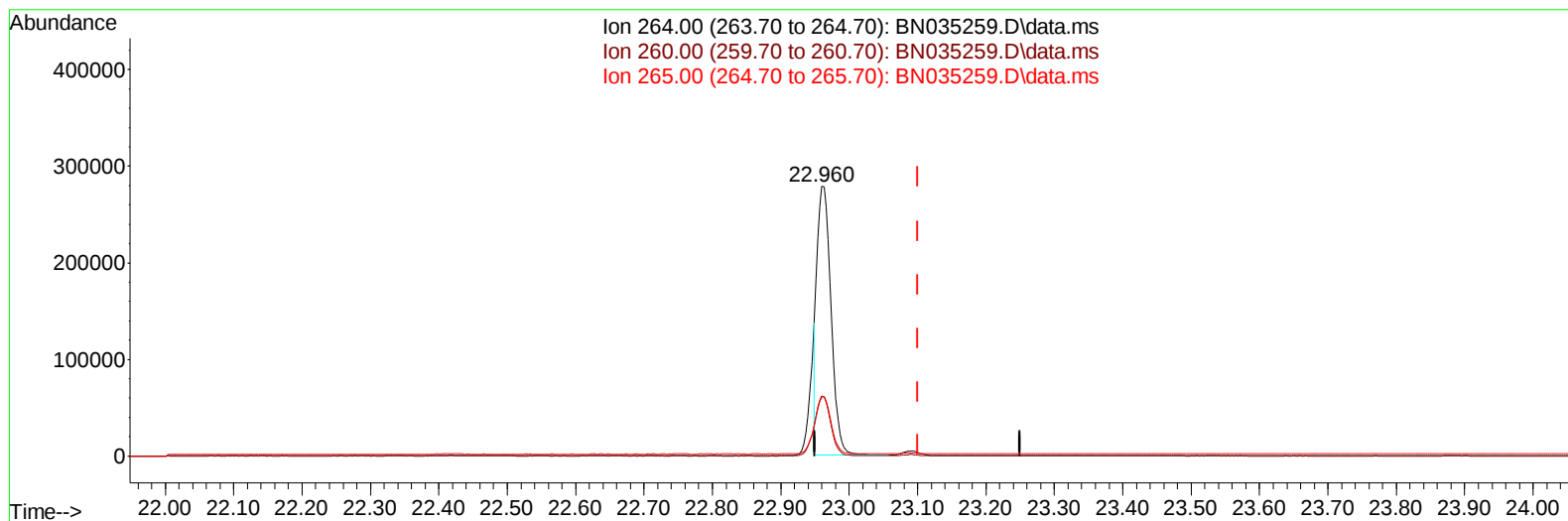
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration



TIC: BN035259.D\data.ms

(23) Perylene-d12 (I)

22.960min (-0.140) 0.40 ng/u1

response 398009

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	22.25
265.00	75.50	21.77#
0.00	0.00	0.00

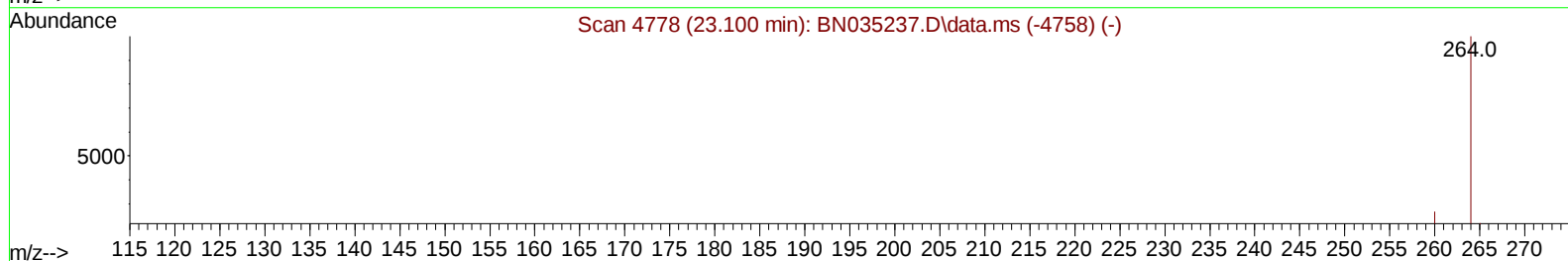
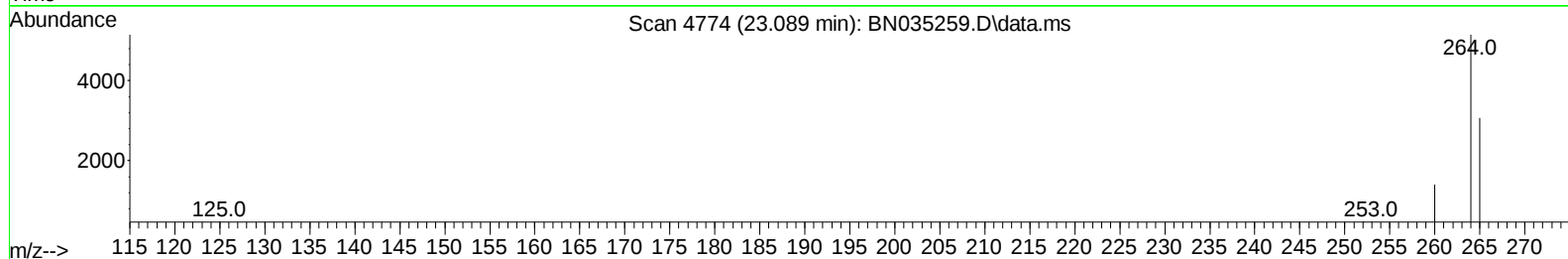
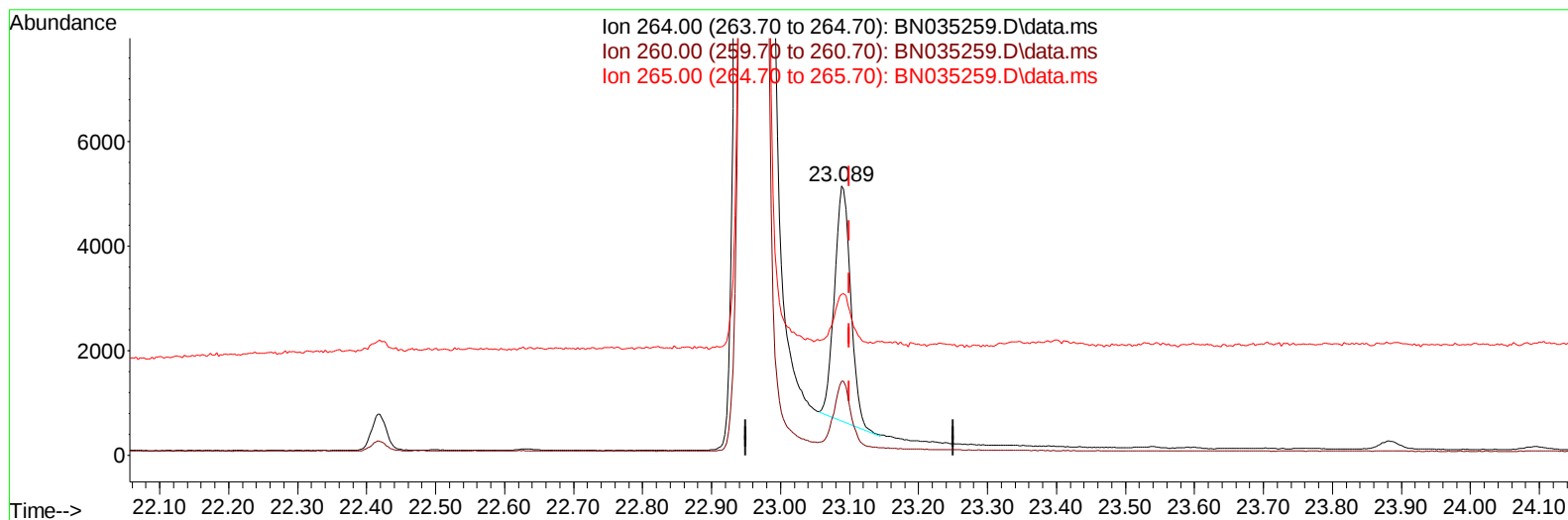
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
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Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.012) 0.40 ng/ul m

response 7360

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	27.39
265.00	75.50	59.69#
0.00	0.00	0.00

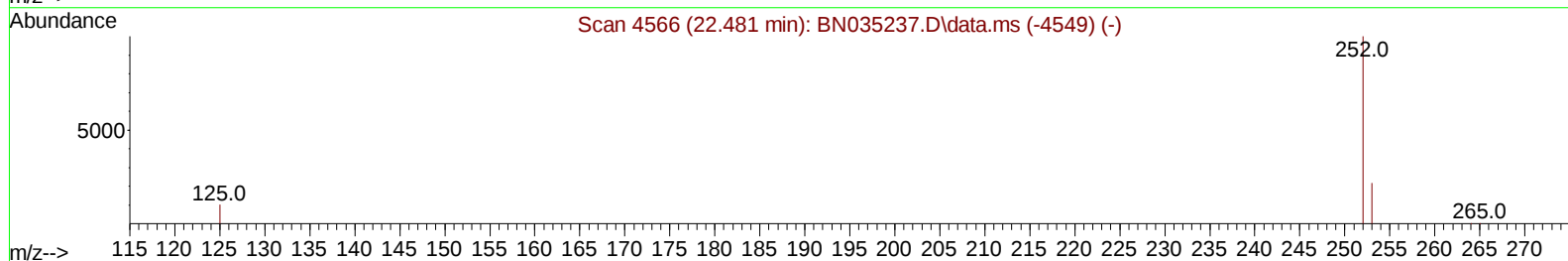
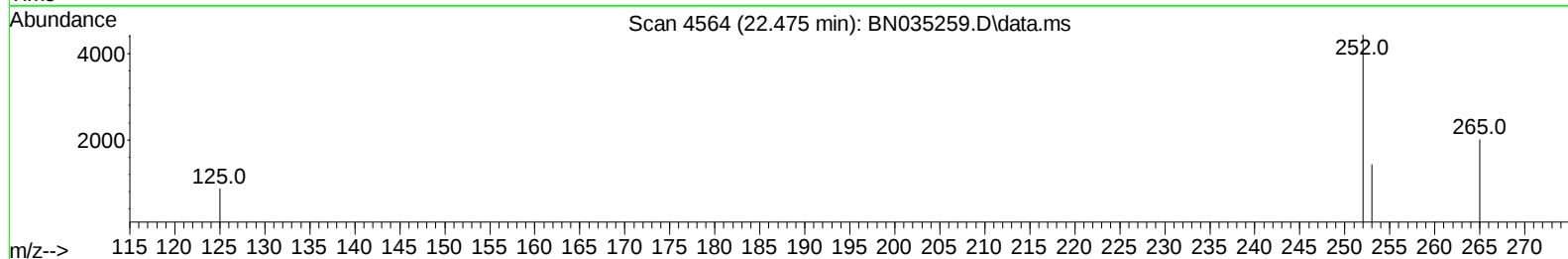
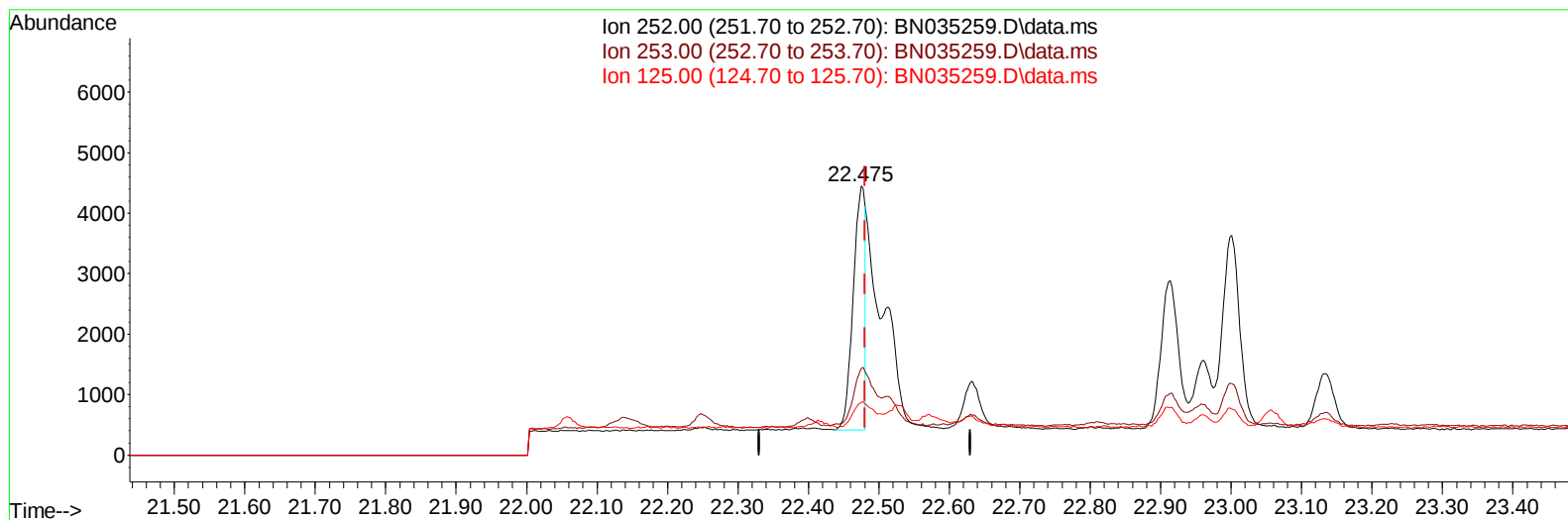
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035259.D
 Acq On : 23 Nov 2024 02:11
 Operator : RC/JU
 Sample : P4872-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 12:45:23 2024
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Reviewed By :Jagrut Upadhyay 11/26/2024
 Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 0.20 ng/u1

response 4834

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	32.11
125.00	9.70	19.45#
0.00	0.00	0.00

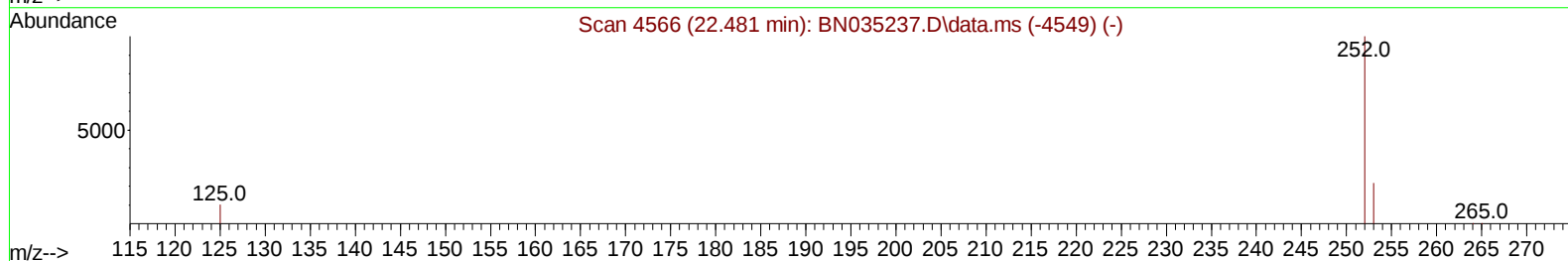
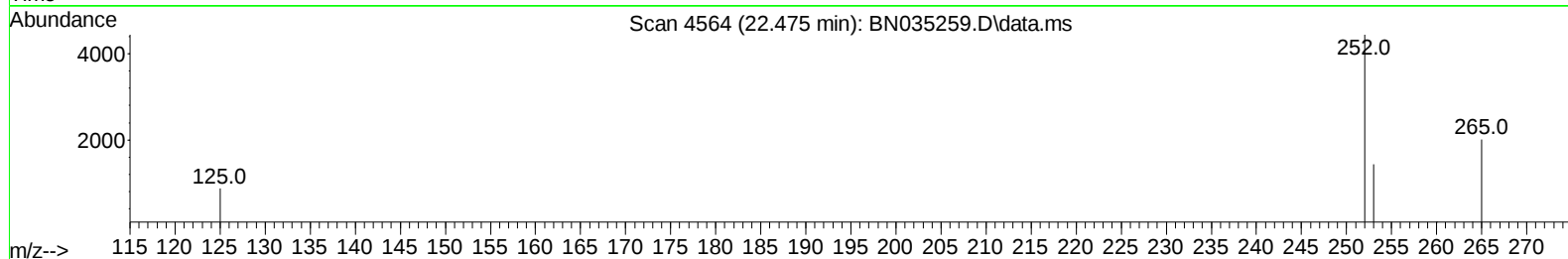
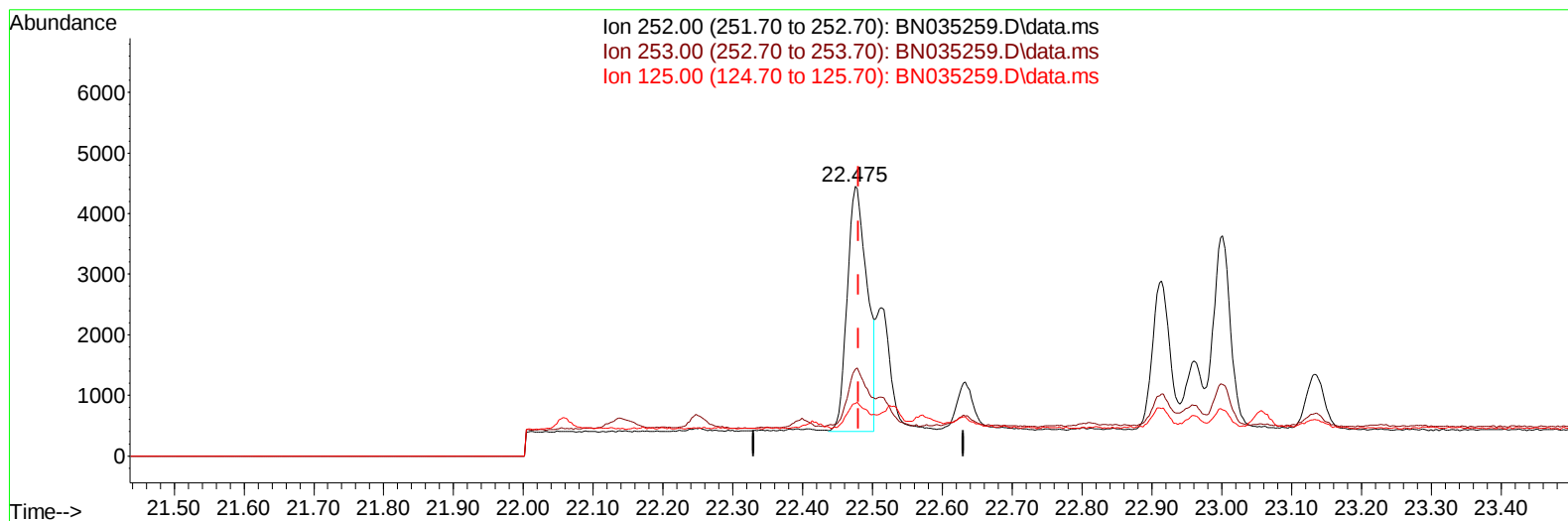
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Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration



TIC: BN035259.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 0.33 ng/u1 m

response 7927

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	32.11
125.00	9.70	19.45#
0.00	0.00	0.00

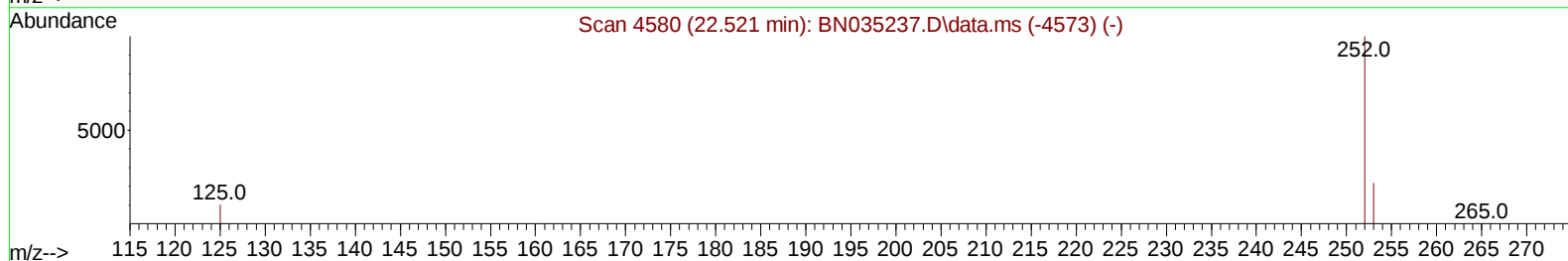
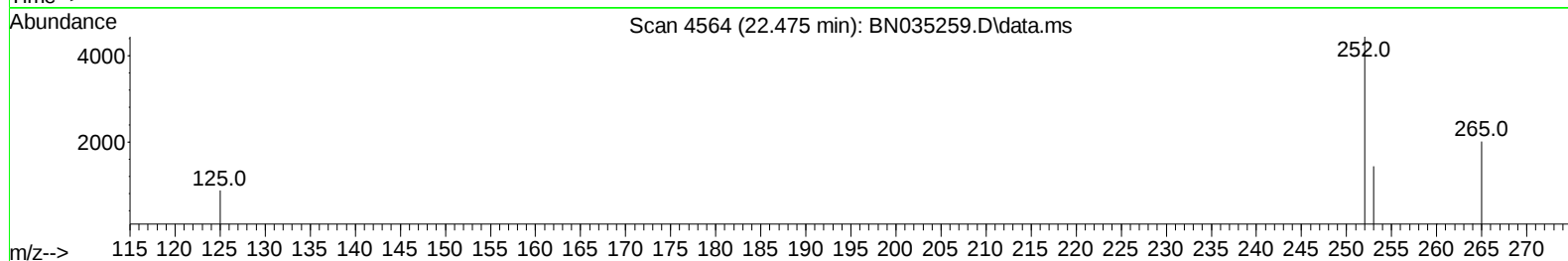
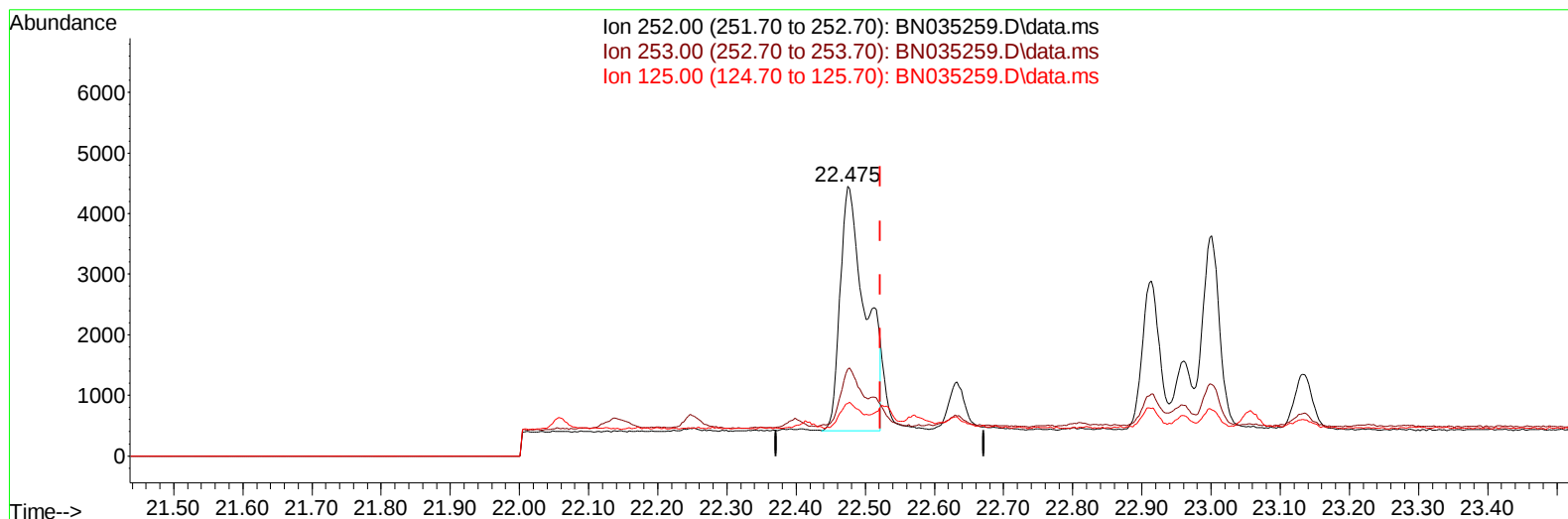
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Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.047) 0.41 ng/u1

response 10171

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	32.11
125.00	10.70	19.45#
0.00	0.00	0.00

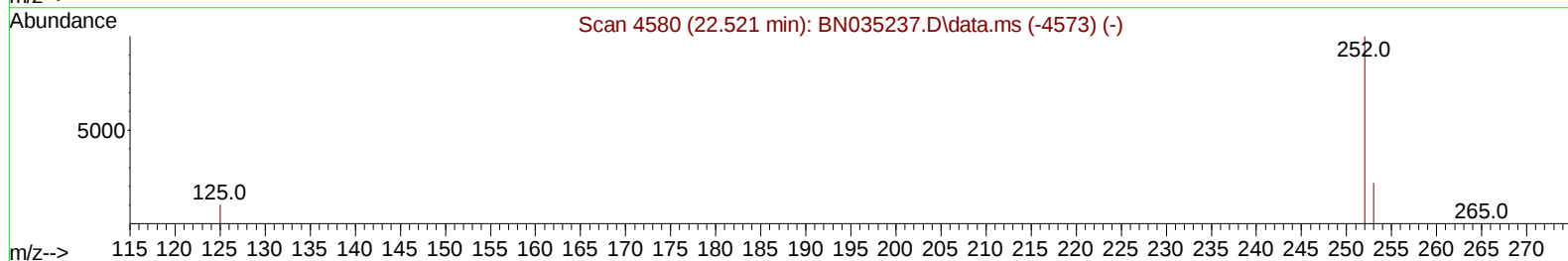
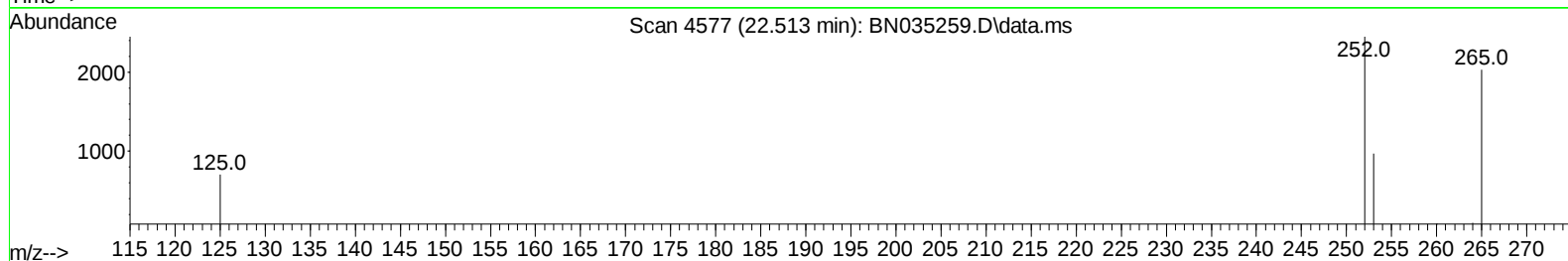
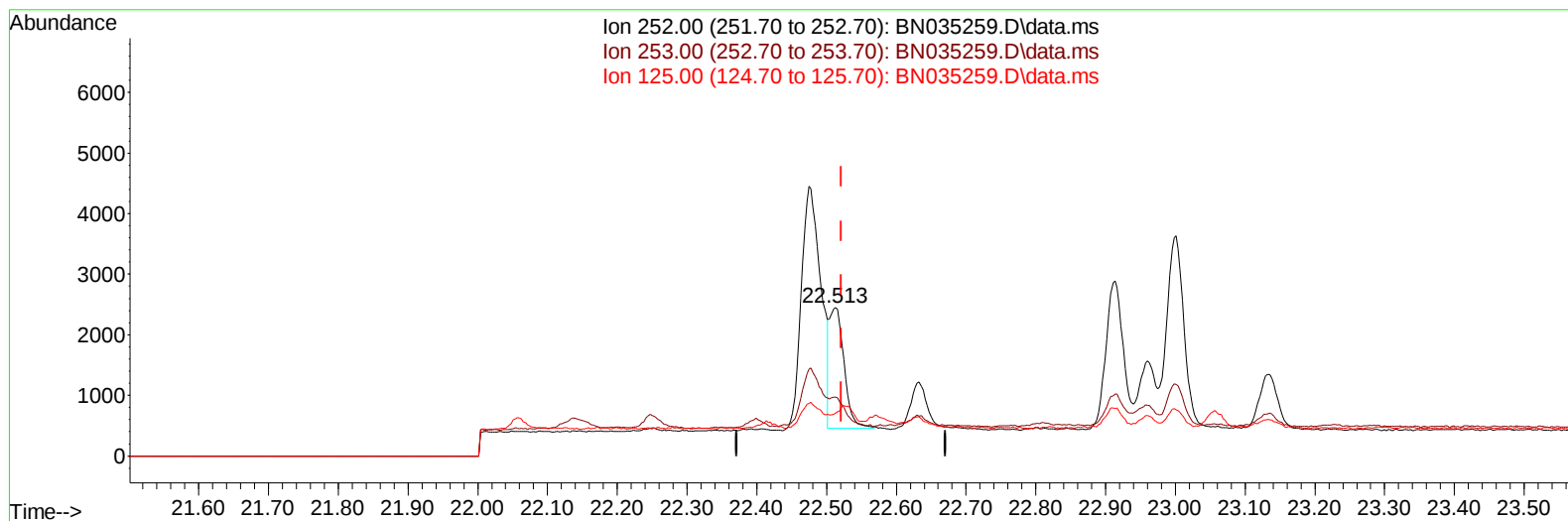
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Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.009) 0.12 ng/u1 m

response 2896

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	39.72#
125.00	10.70	28.89#
0.00	0.00	0.00

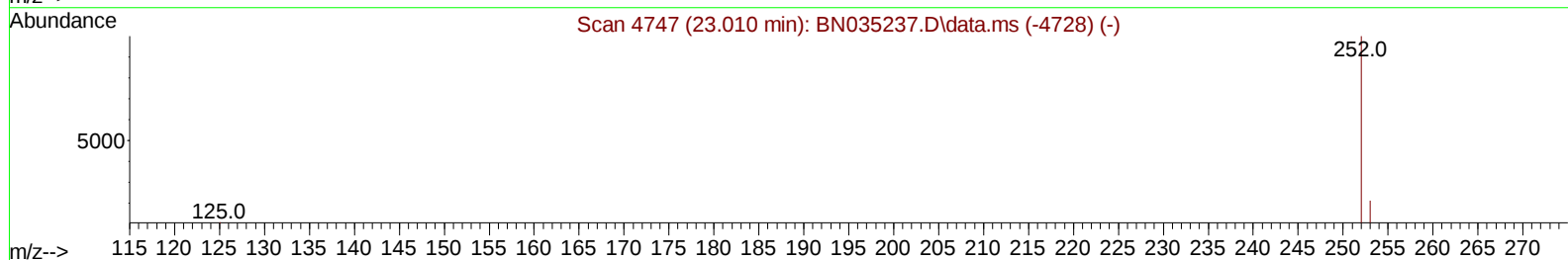
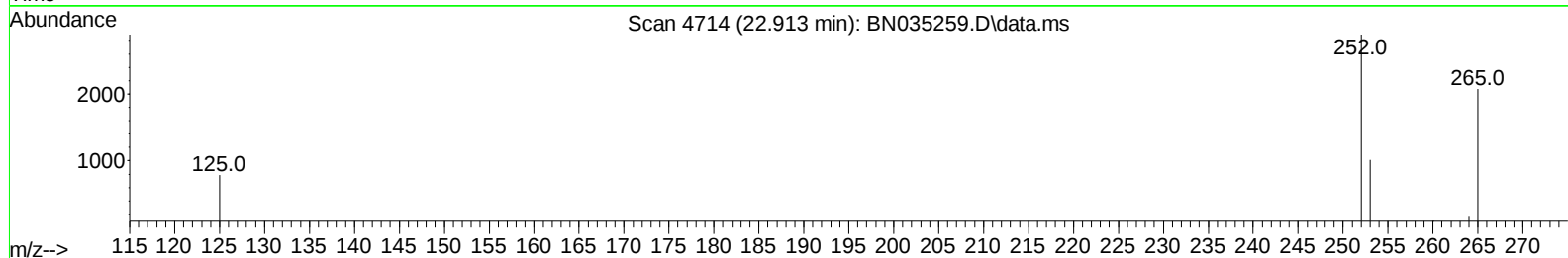
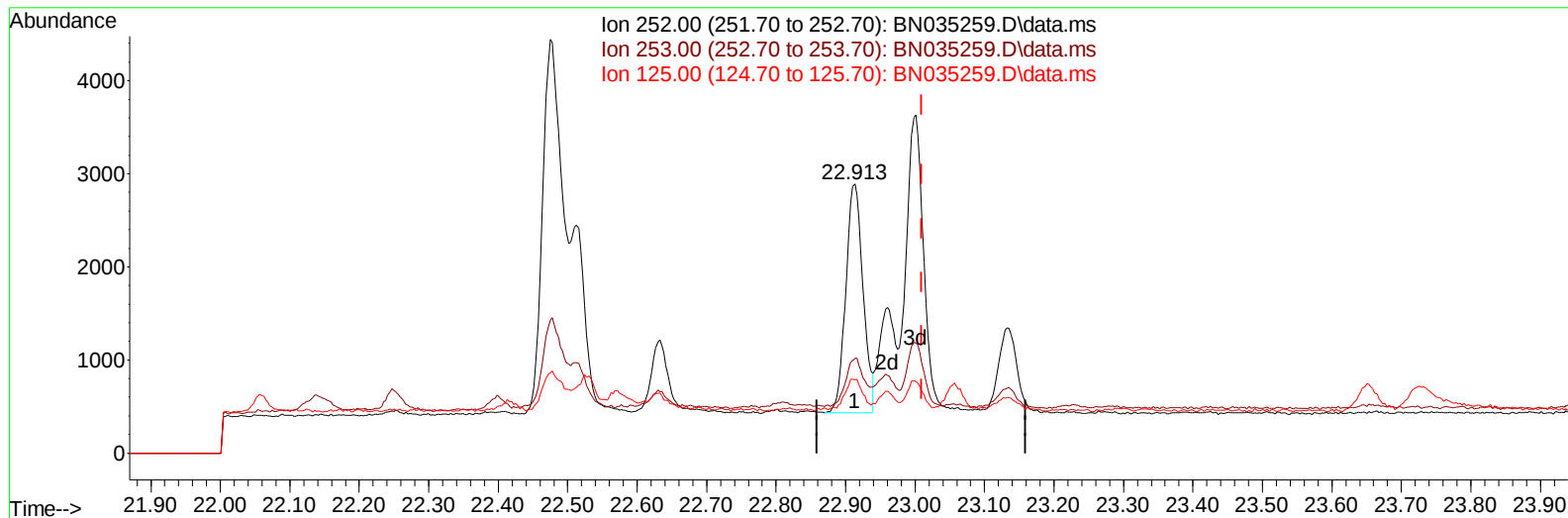
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035259.D\data.ms

(26) Benzo(a)pyrene (C)

22.913min (-0.096) 0.19 ng/u1

response 4255

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	35.24#
125.00	11.80	27.21#
0.00	0.00	0.00

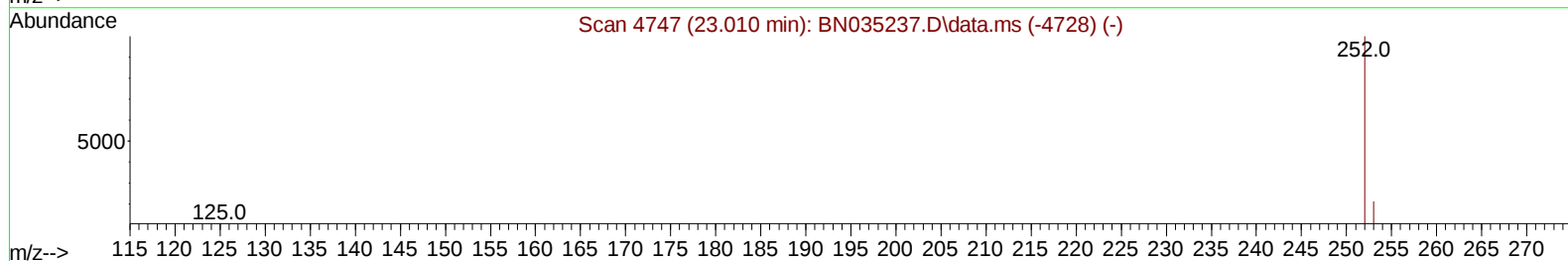
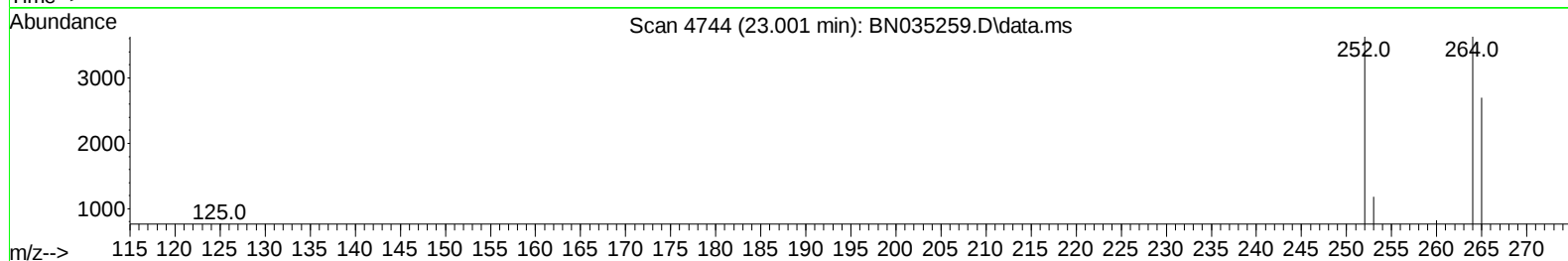
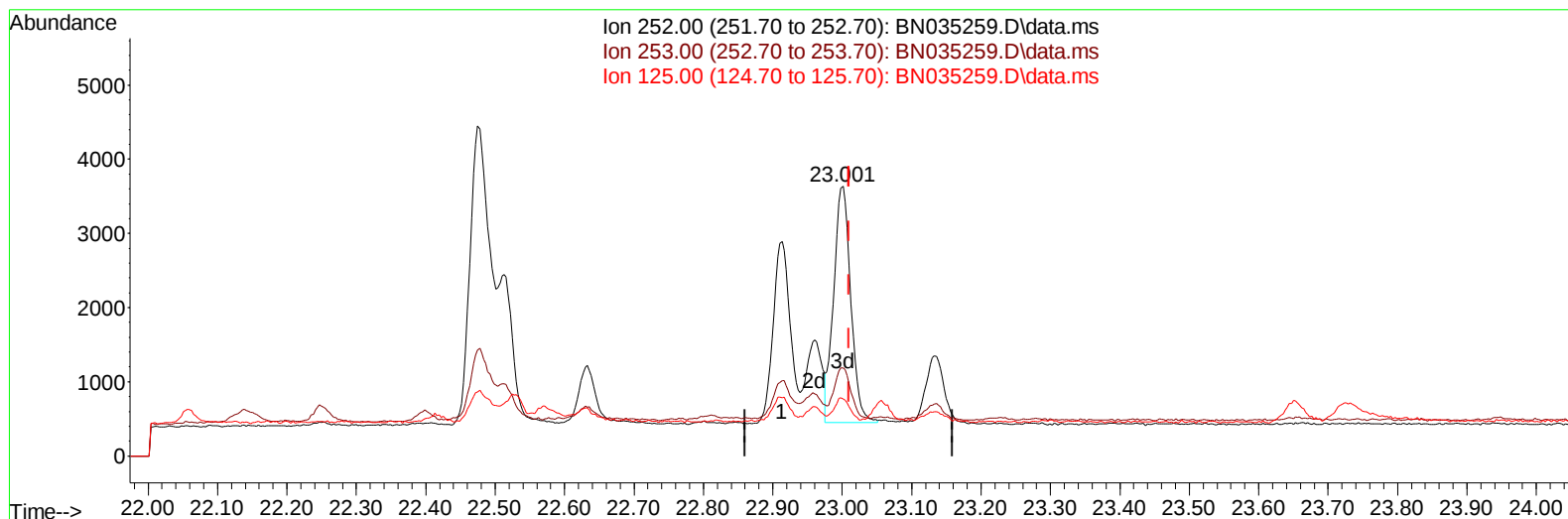
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Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035259.D\data.ms

(26) Benzo(a)pyrene (C)

23.001min (-0.009) 0.24 ng/u1 m

response 5443

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	32.63
125.00	11.80	21.06#
0.00	0.00	0.00

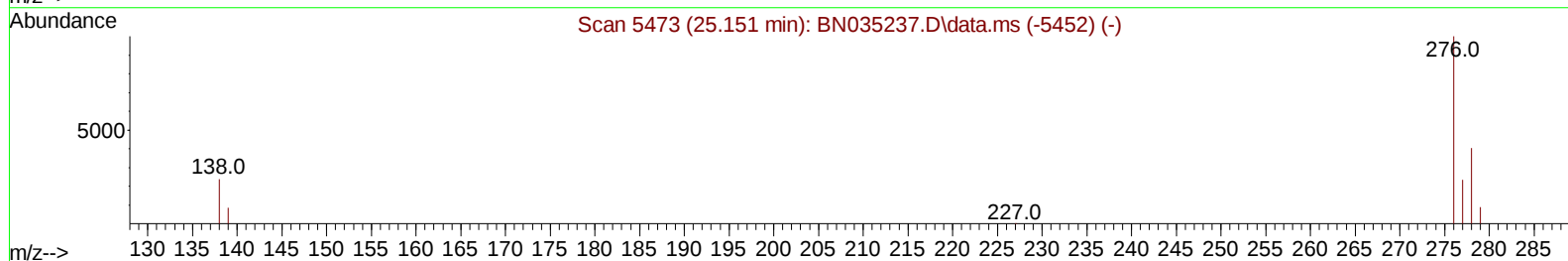
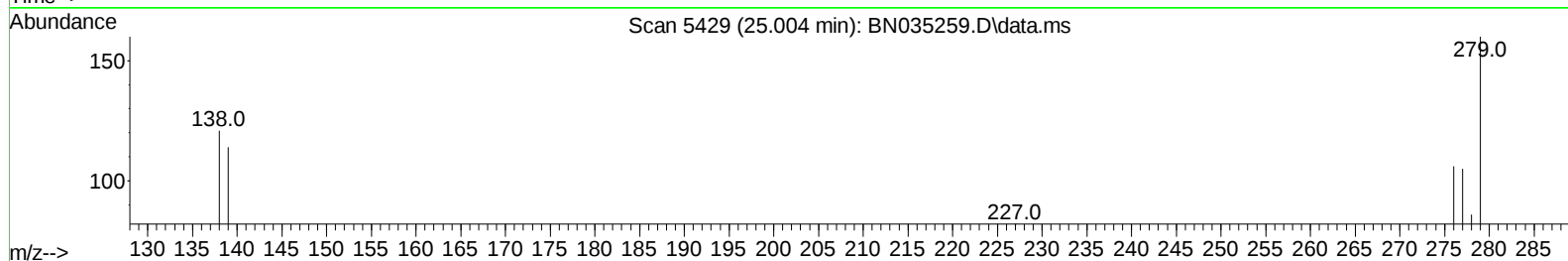
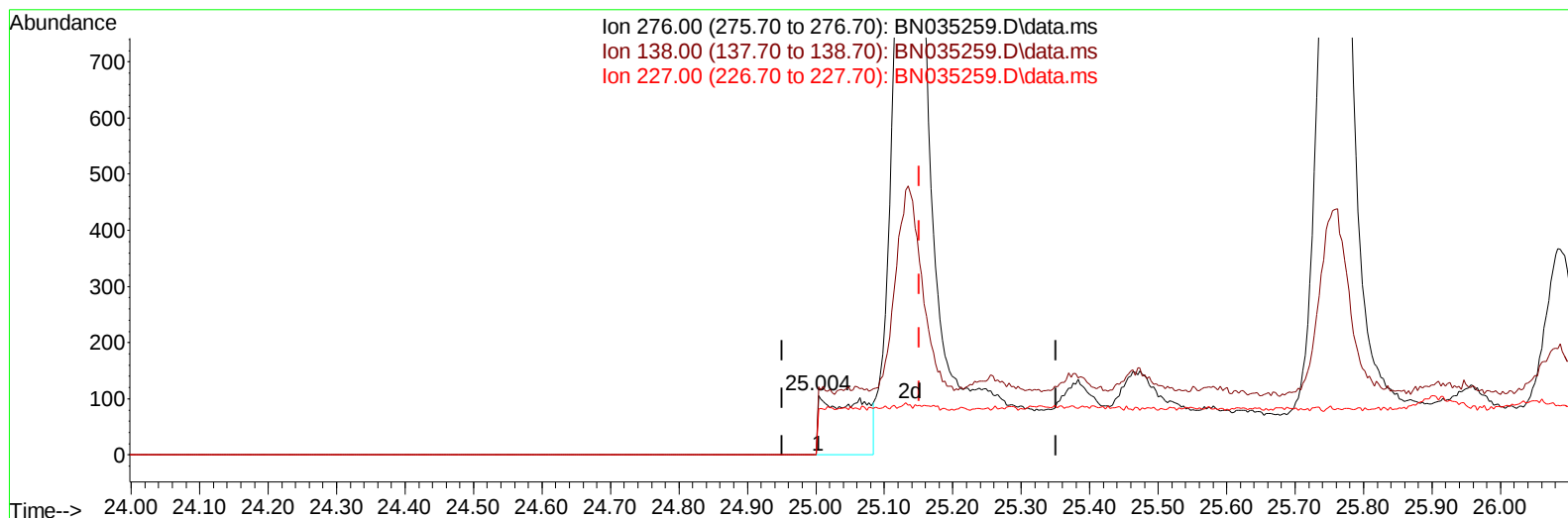
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
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TIC: BN035259.D\data.ms

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

25.004min (-0.147) 0.01 ng/u1

response 450

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	139.78#
227.00	0.30	0.00#
0.00	0.00	0.00

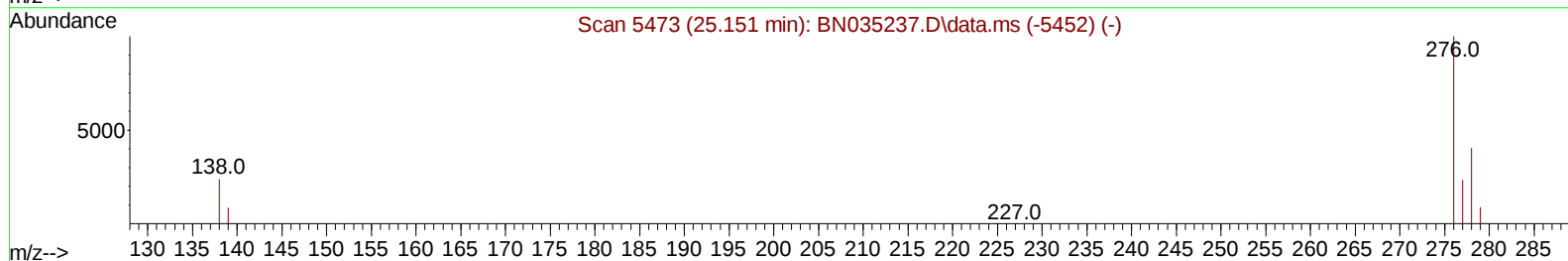
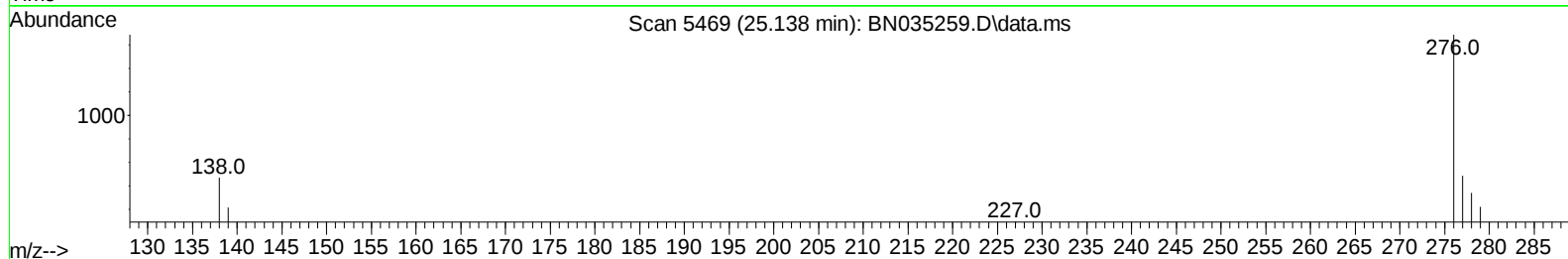
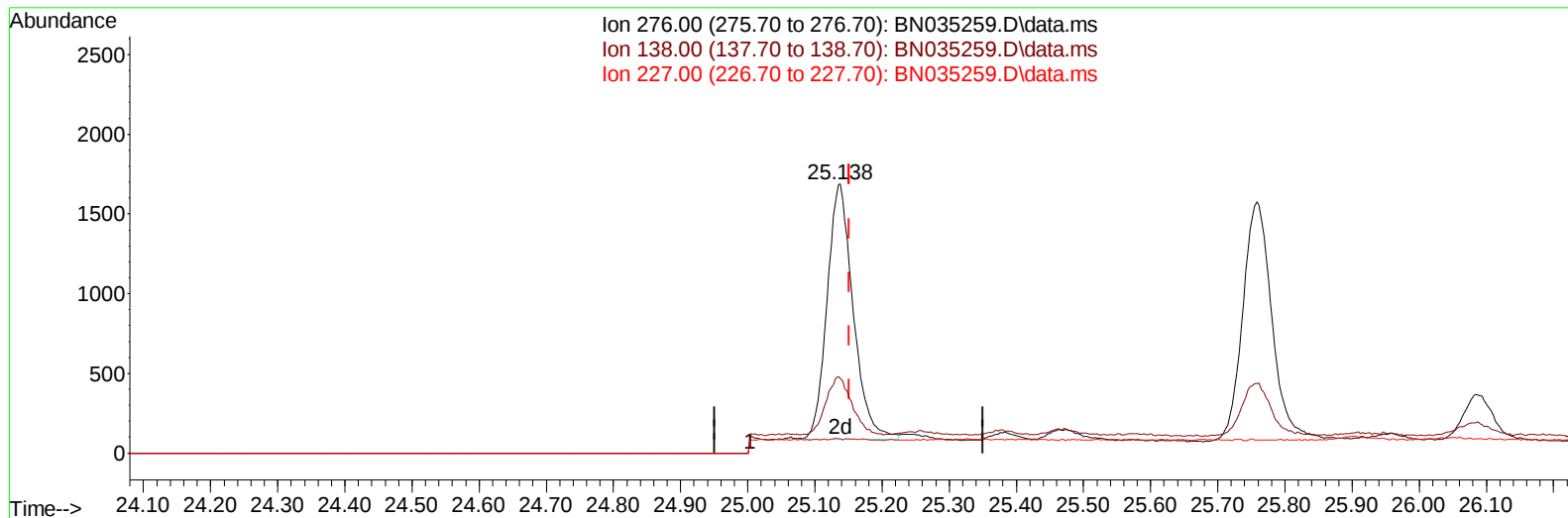
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

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TIC: BN035259.D\data.ms

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

25.138min (-0.013) 0.14 ng/ul m

response 4312

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	14.59
227.00	0.30	0.00#
0.00	0.00	0.00

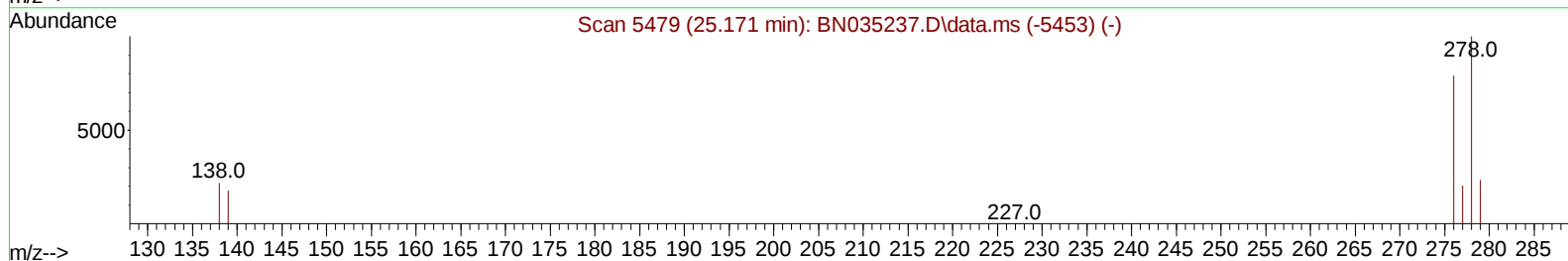
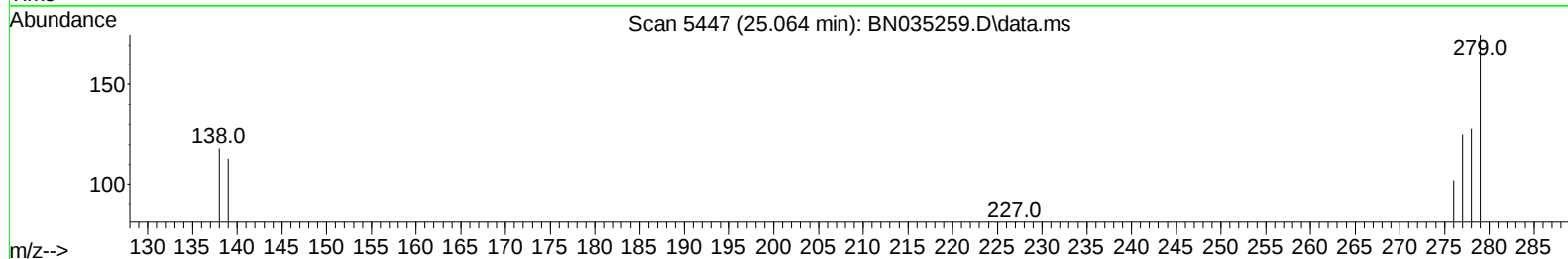
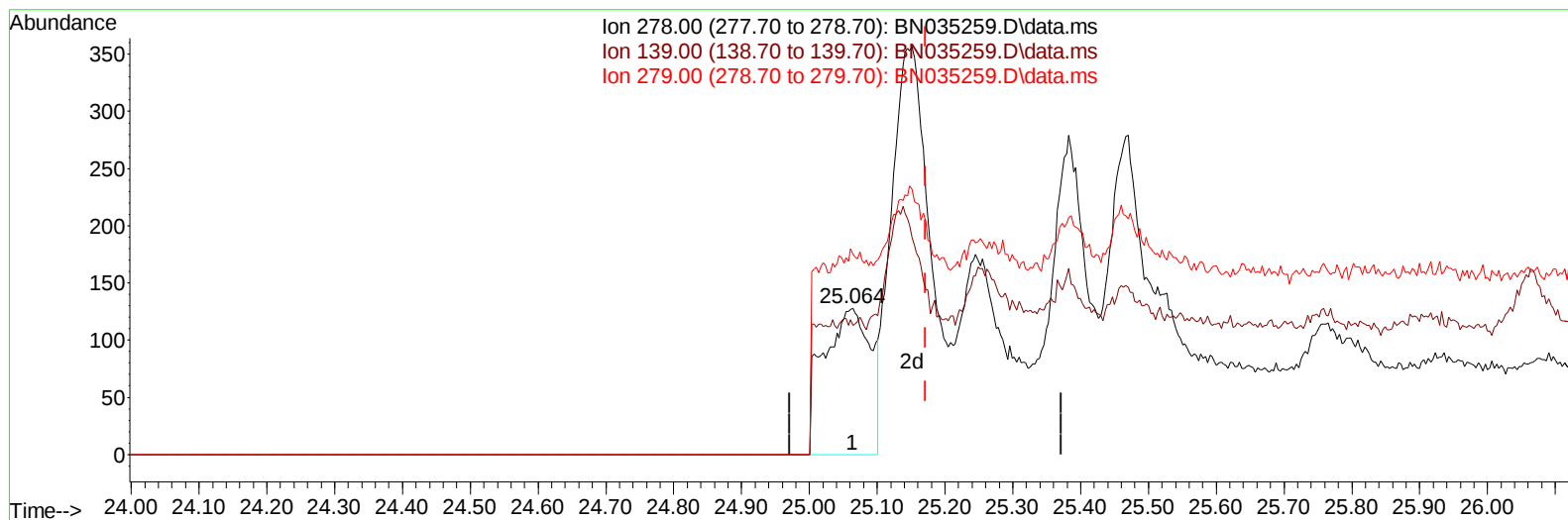
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration



TIC: BN035259.D\data.ms

(28) Dibenzo(a,h)anthracene

25.064min (-0.107) 0.03 ng/u1

response 612

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	88.28#
279.00	28.50	136.72#
0.00	0.00	0.00

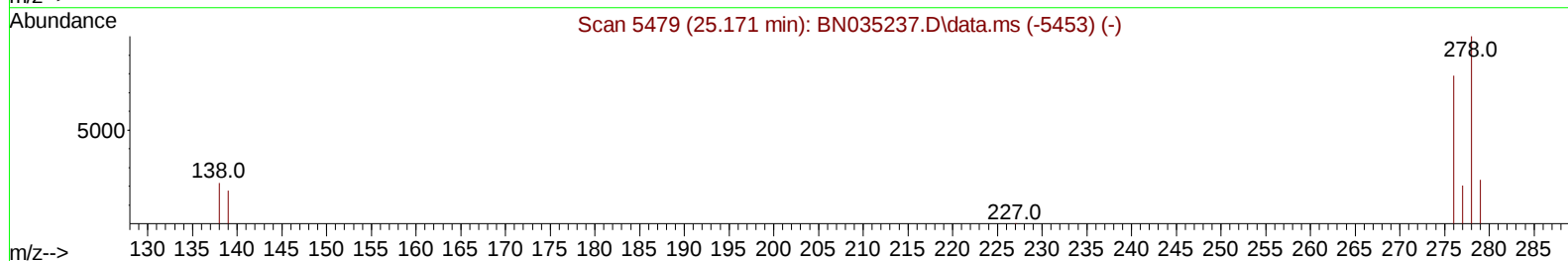
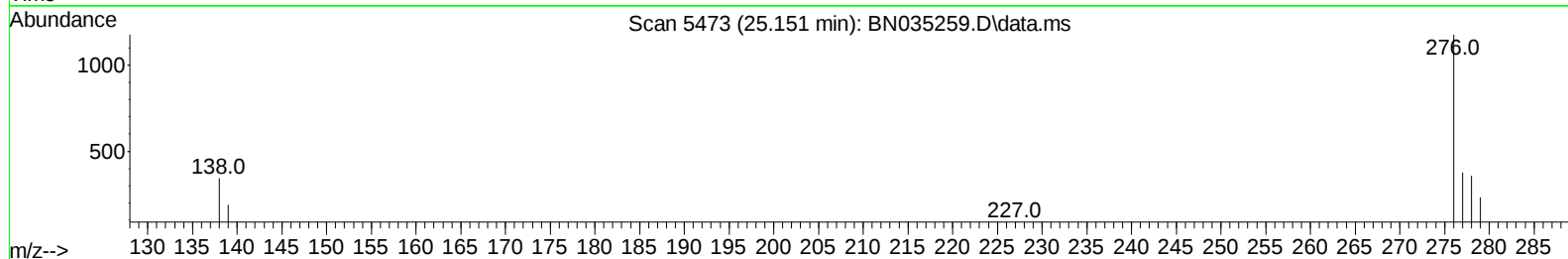
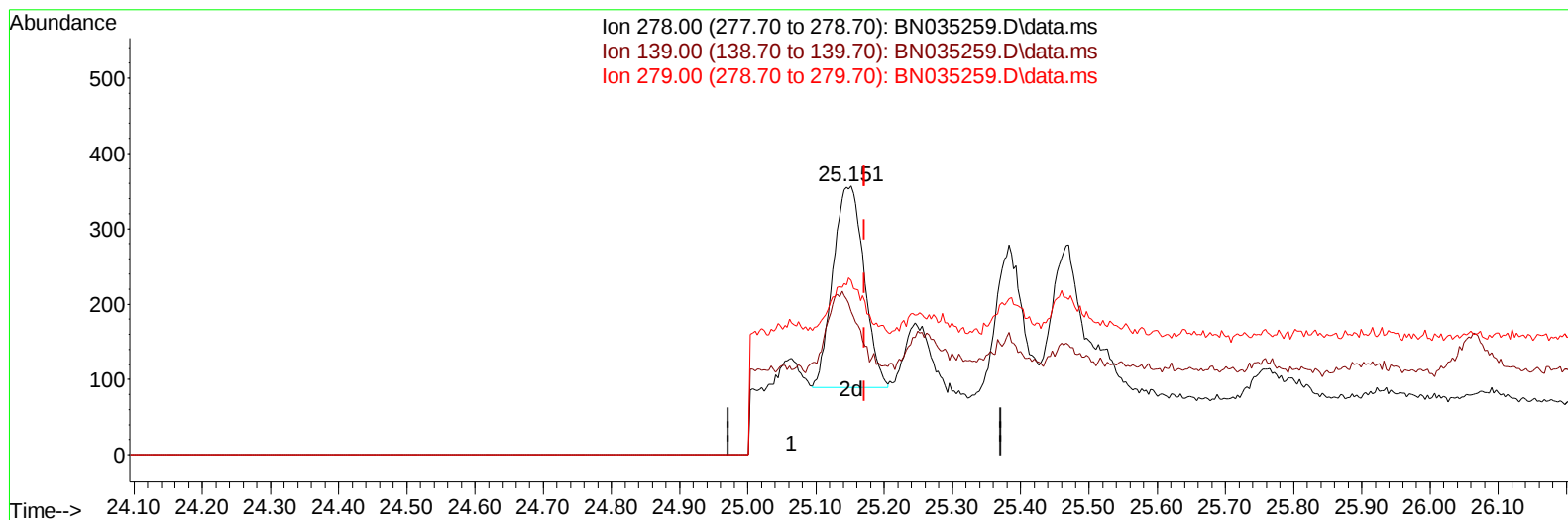
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035259.D\data.ms

(28) Dibenzo(a,h)anthracene

25.151min (-0.020) 0.04 ng/u1 m

response 848

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	53.22#
279.00	28.50	64.99#
0.00	0.00	0.00

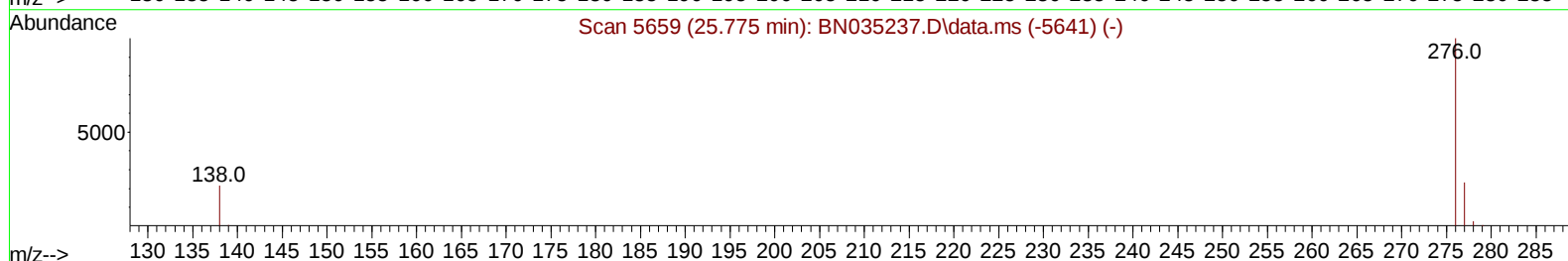
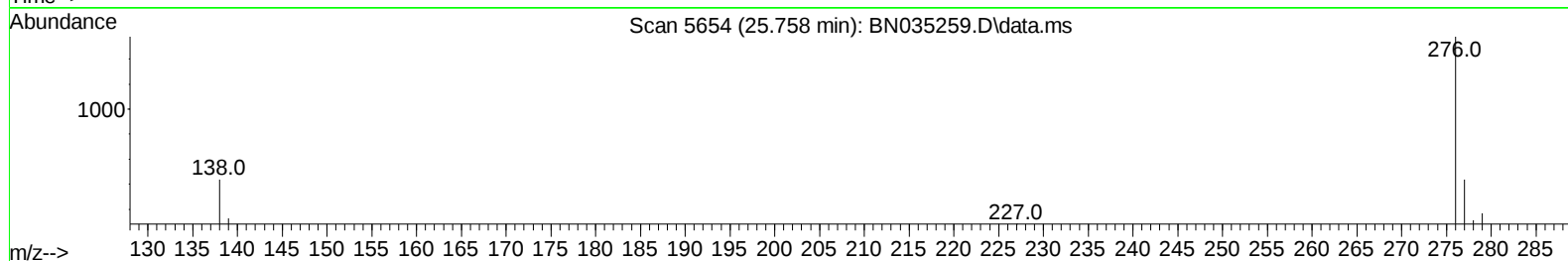
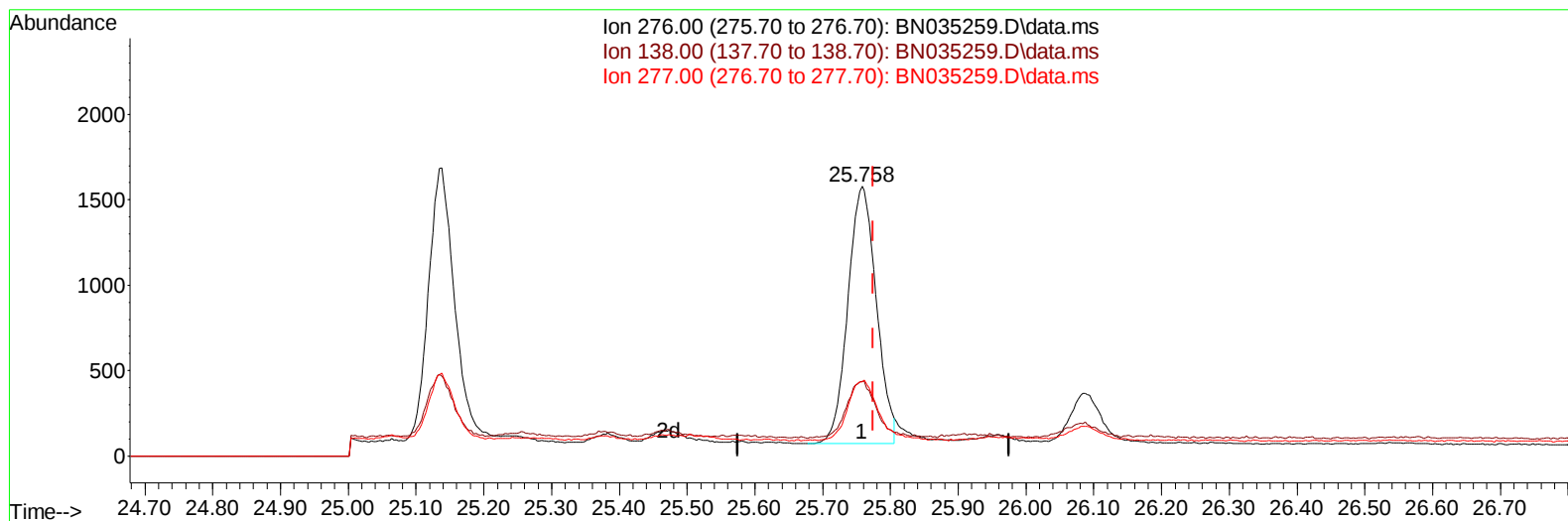
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
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TIC: BN035259.D\data.ms

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

25.758min (-0.017) 0.19 ng/u1

response 4400

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	27.69#
277.00	25.60	27.50
0.00	0.00	0.00

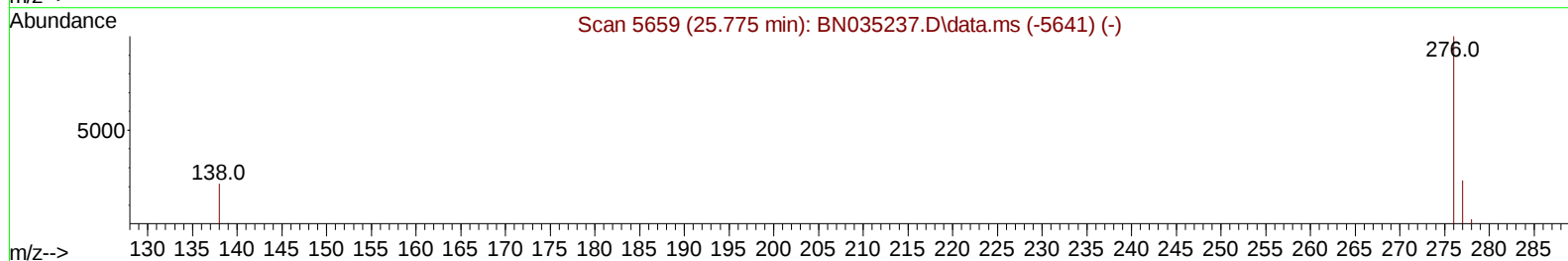
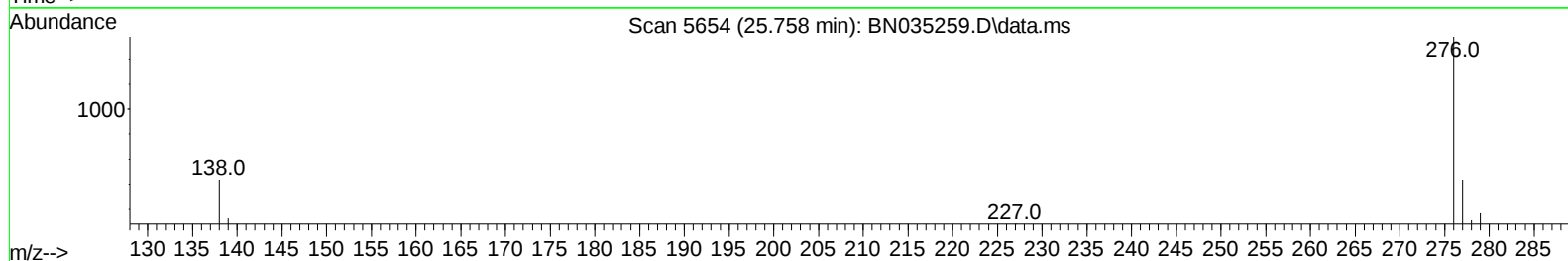
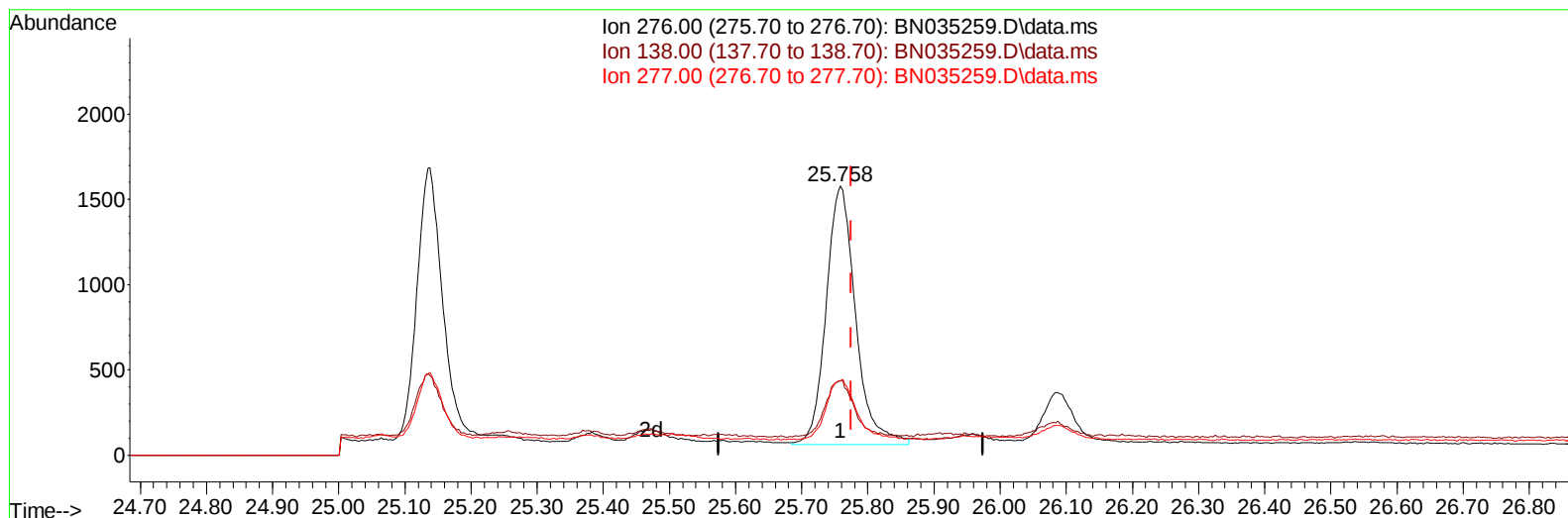
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration



TIC: BN035259.D\data.ms

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

25.758min (-0.017) 0.20 ng/u1 m

response 4685

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	27.69#
277.00	25.60	27.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035259.D
 Acq On : 23 Nov 2024 02:11
 Operator : RC/JU
 Sample : P4872-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 12:45:23 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.318	152		3590	0.400	ng/ul	0.00
4) Naphthalene-d8	10.064	136		9598	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.977	164		6040	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.747	188		13269	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.988	240		9346	0.400	ng/ul	# 0.00
23) Perylene-d12	23.089	264		7360m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	2.972	96		10167	3.099	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.670	152		3166	0.225	ng/ul	0.00
18) Fluoranthene-d10	18.795	212		8207	0.318	ng/ul	0.00
Target Compounds							
							Qvalue
10) Acenaphthylene	13.690	152		1583	0.066	ng/ul#	87
15) Phenanthrene	16.785	178		5915	0.169	ng/ul	97
16) Anthracene	16.878	178		1622	0.050	ng/ul#	89
19) Fluoranthene	18.828	202		18183	0.559	ng/ul#	94
20) Pyrene	19.195	202		16269m	0.480	ng/ul	
21) Benzo(a)anthracene	20.973	228		6043	0.186	ng/ul#	90
22) Chrysene	21.023	228		6917	0.212	ng/ul	94
24) Benzo(b)fluoranthene	22.475	252		7927m	0.326	ng/ul	
25) Benzo(k)fluoranthene	22.513	252		2896m	0.115	ng/ul	
26) Benzo(a)pyrene	23.001	252		5443m	0.245	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.138	276		4312m	0.144	ng/ul	
28) Dibenzo(a,h)anthracene	25.151	278		848m	0.036	ng/ul	
29) Benzo(g,h,i)perylene	25.758	276		4685m	0.198	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035259.D
Acq On : 23 Nov 2024 02:11
Operator : RC/JU
Sample : P4872-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29X6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 02:35:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN11624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024

