

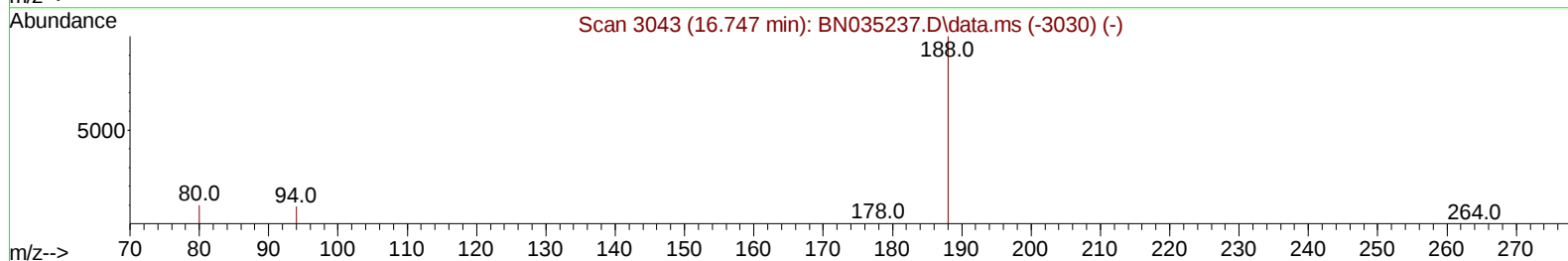
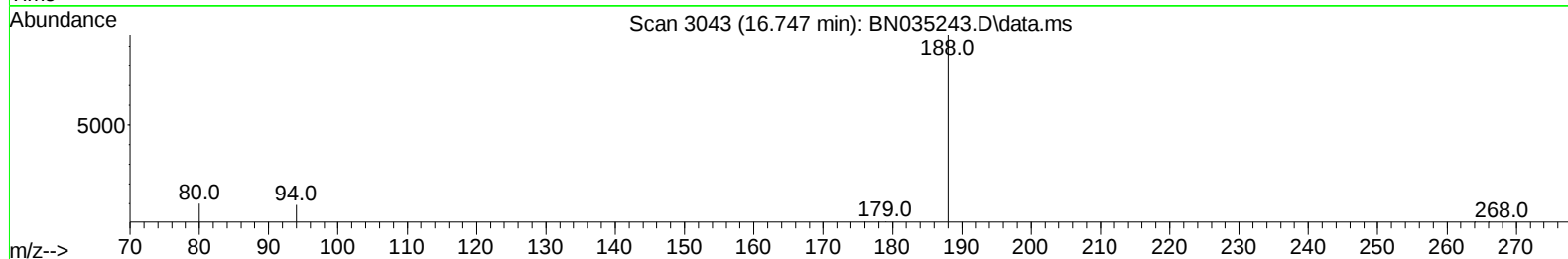
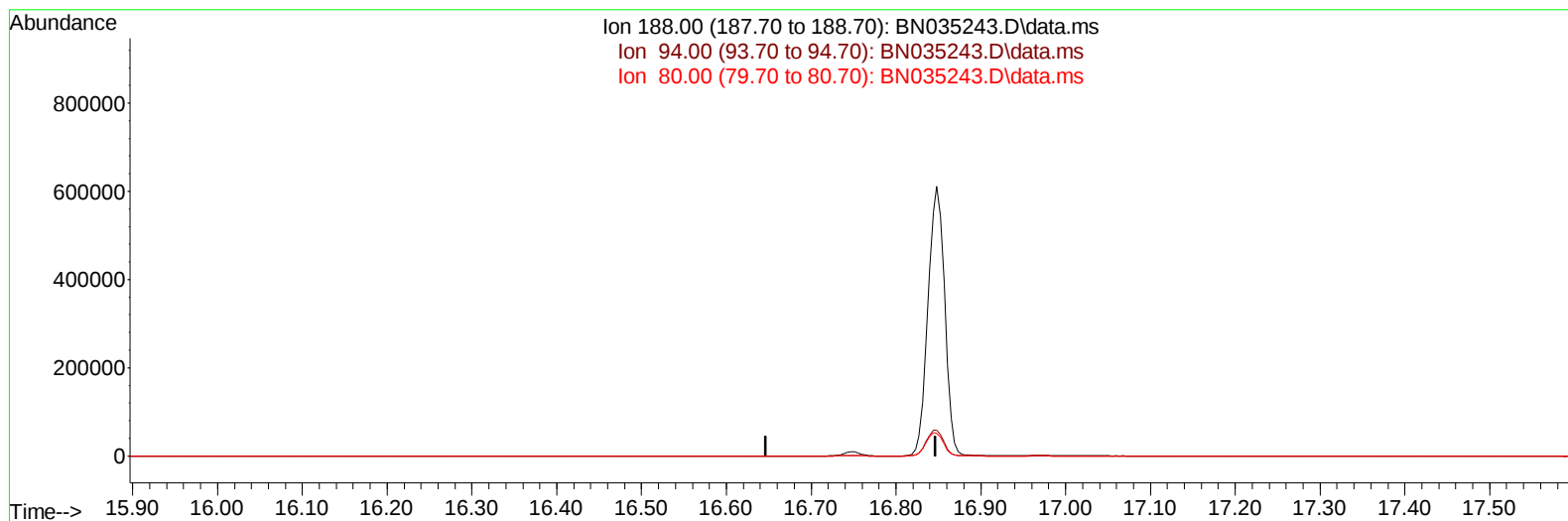
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(13) Phenanthrene-d10 (I)

16.747min (-16.747) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	7.00	0.00#
80.00	7.60	0.00#
0.00	0.00	0.00

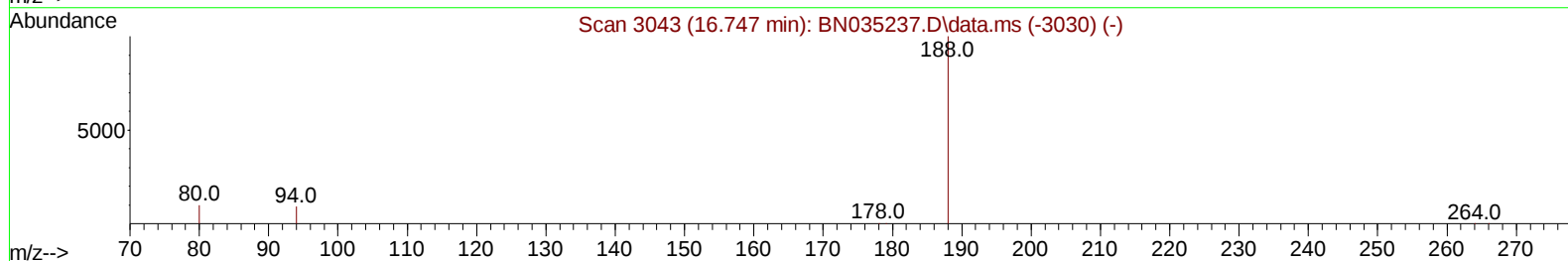
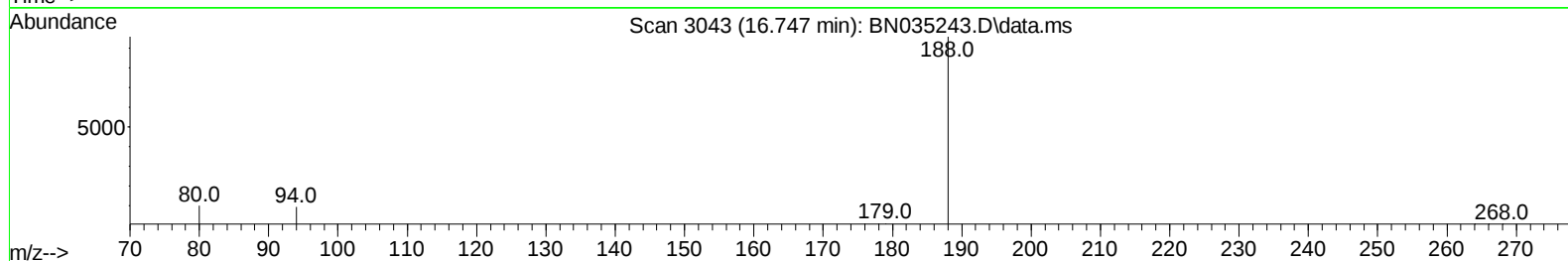
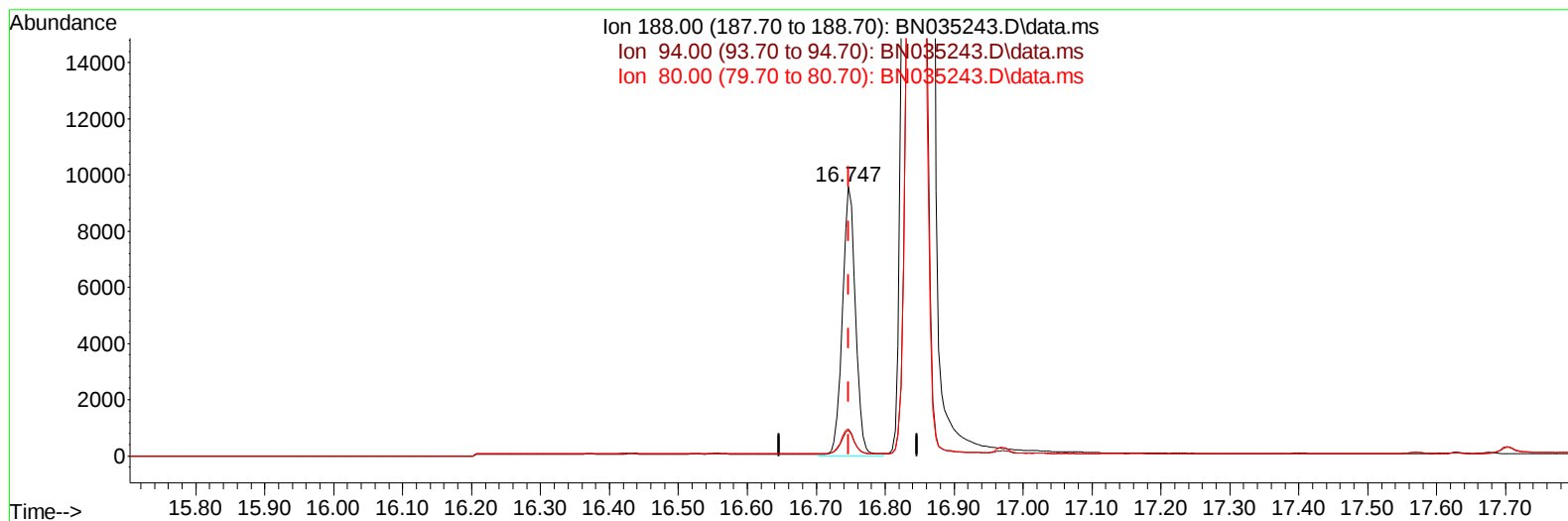
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(13) Phenanthrene-d10 (I)

16.747min (0.000) 0.40 ng/ul m

response 12798

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	9.55#
80.00	7.60	10.12#
0.00	0.00	0.00

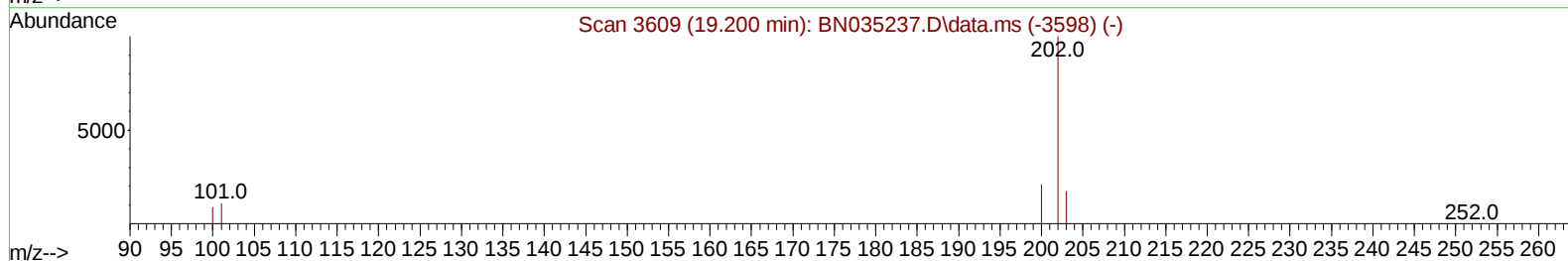
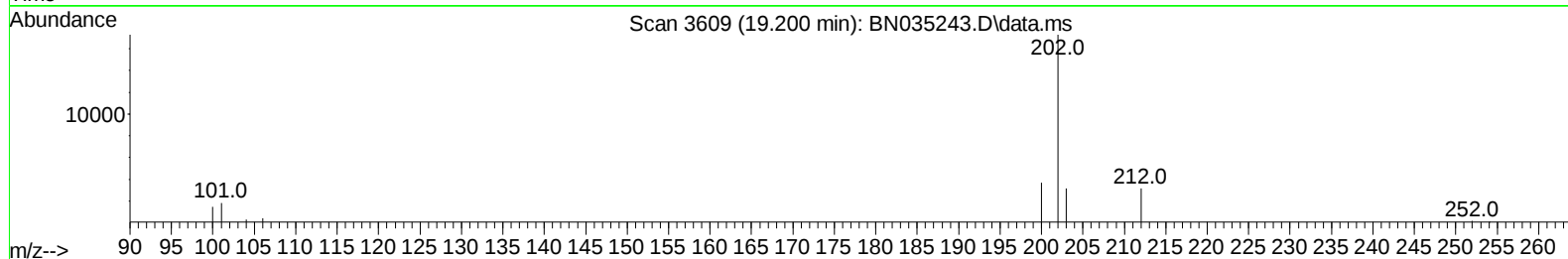
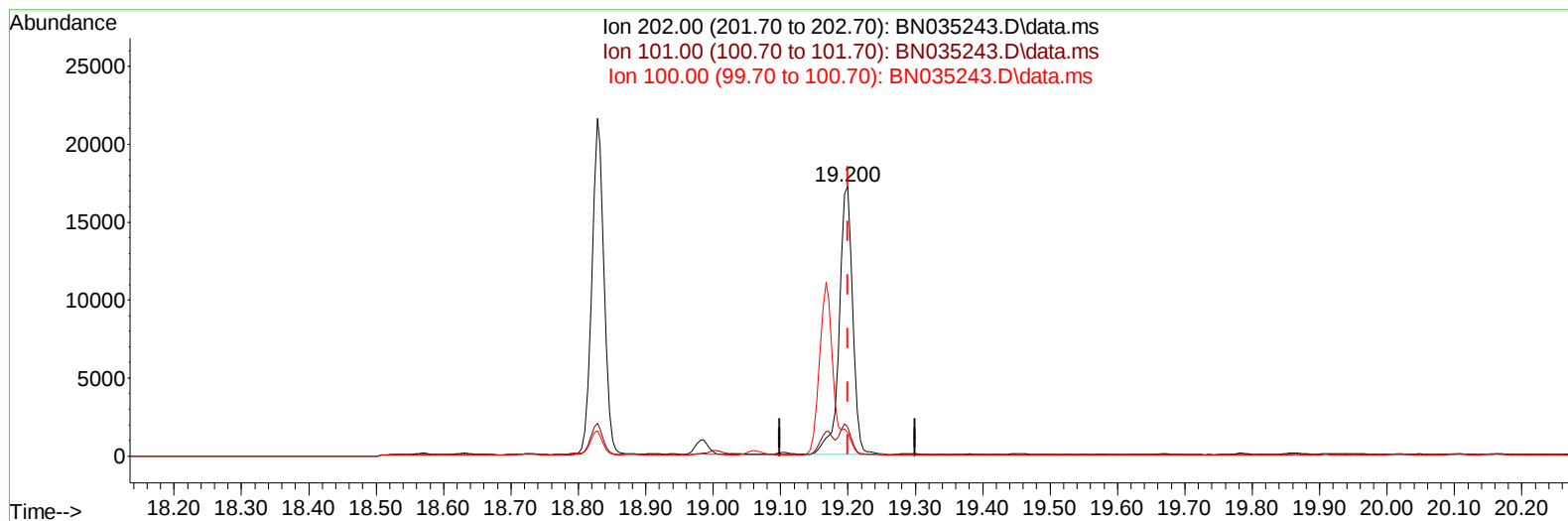
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 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
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TIC: BN035243.D\data.ms

(20) Pyrene

19.200min (+ 0.000) 0.79 ng/u1

response 23629

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	10.65#
100.00	6.40	8.54#
0.00	0.00	0.00

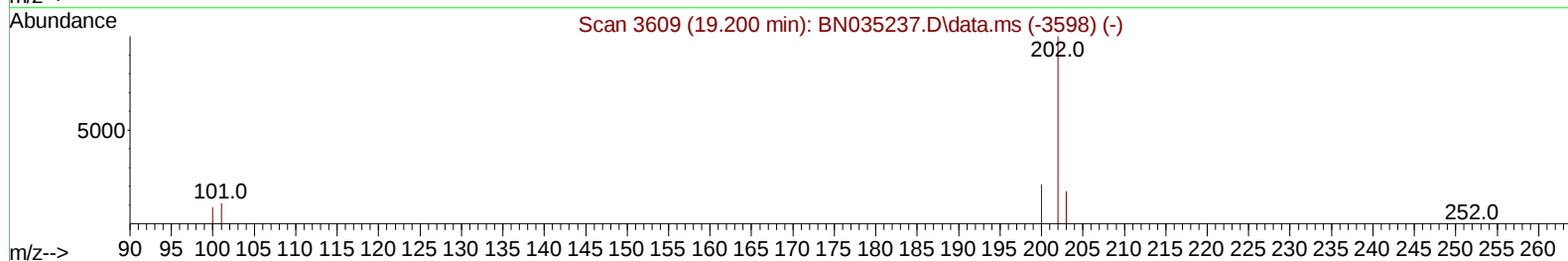
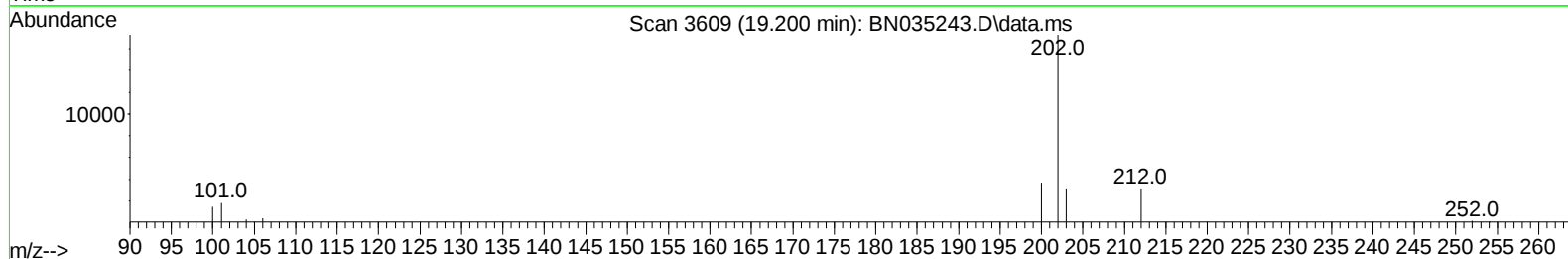
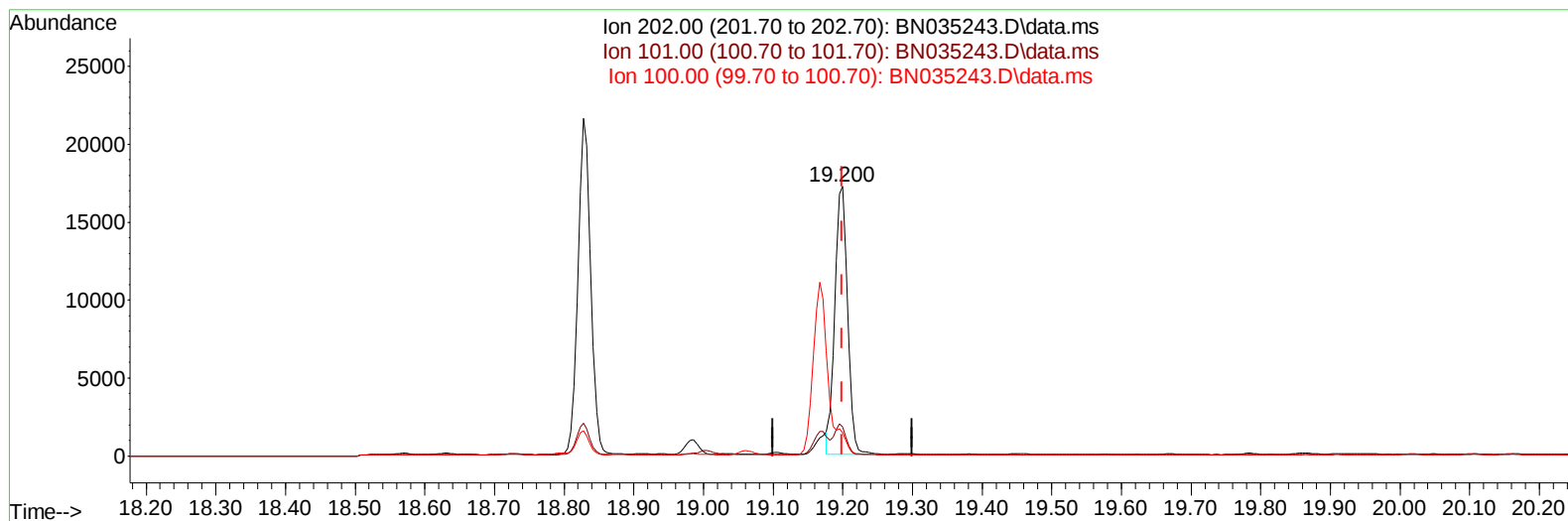
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(20) Pyrene

19.200min (+ 0.000) 0.75 ng/u1 m

response 22200

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	10.65#
100.00	6.40	8.54#
0.00	0.00	0.00

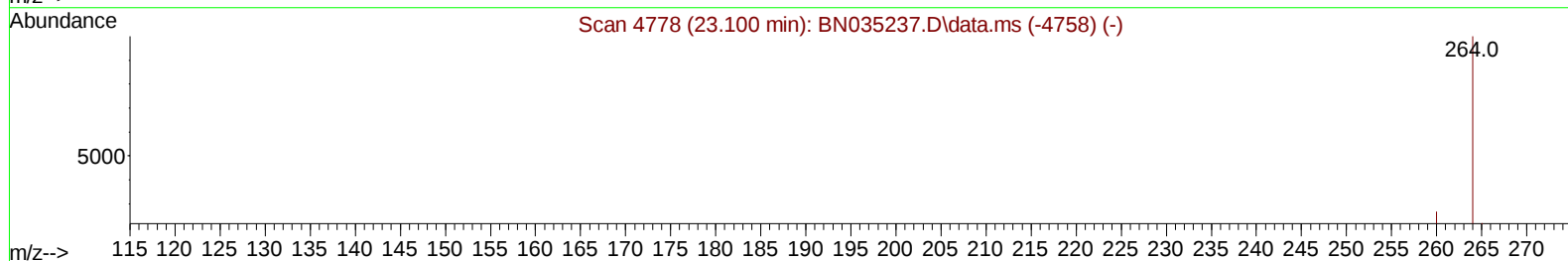
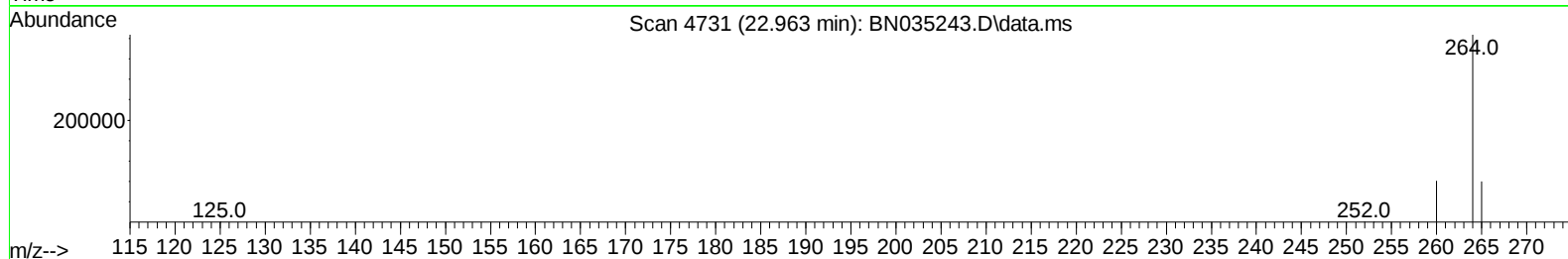
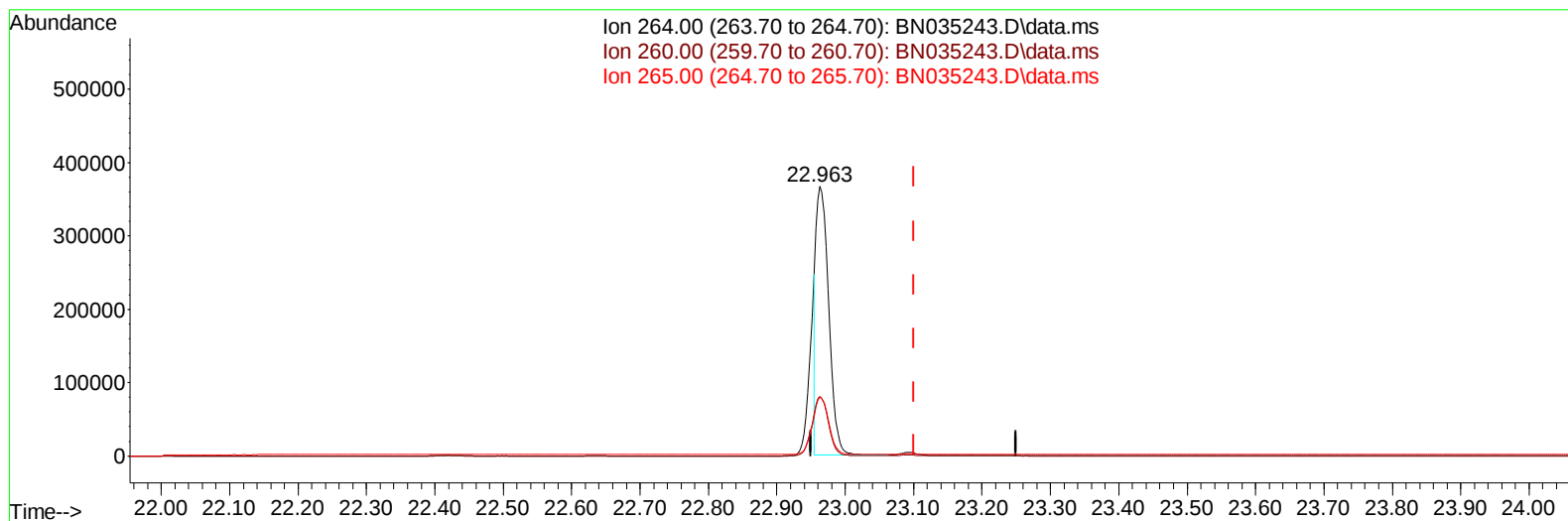
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
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Supervised By :mohammad ahmed 11/27/2024



TIC: BN035243.D\data.ms

(23) Perylene-d12 (I)

22.963min (-0.137) 0.40 ng/u1

response 476211

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	22.14
265.00	75.50	21.86#
0.00	0.00	0.00

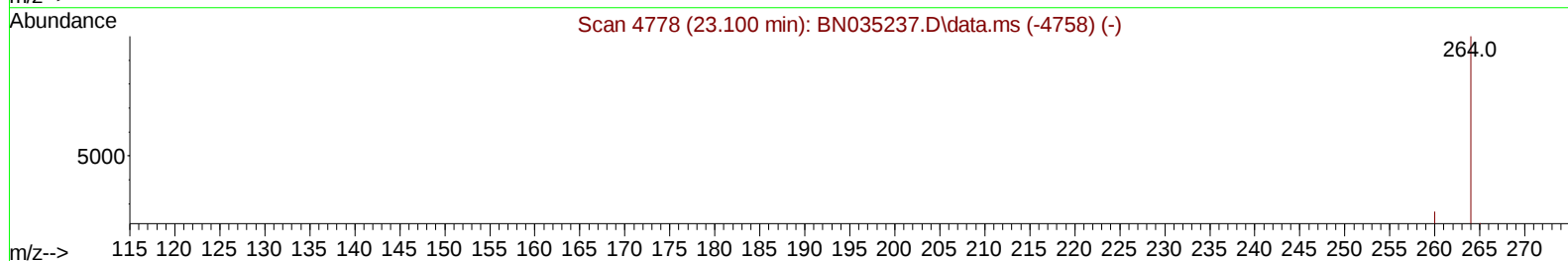
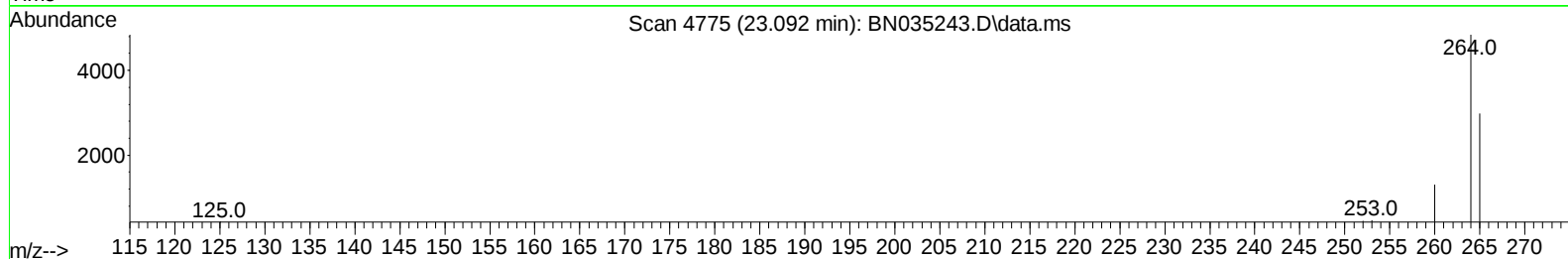
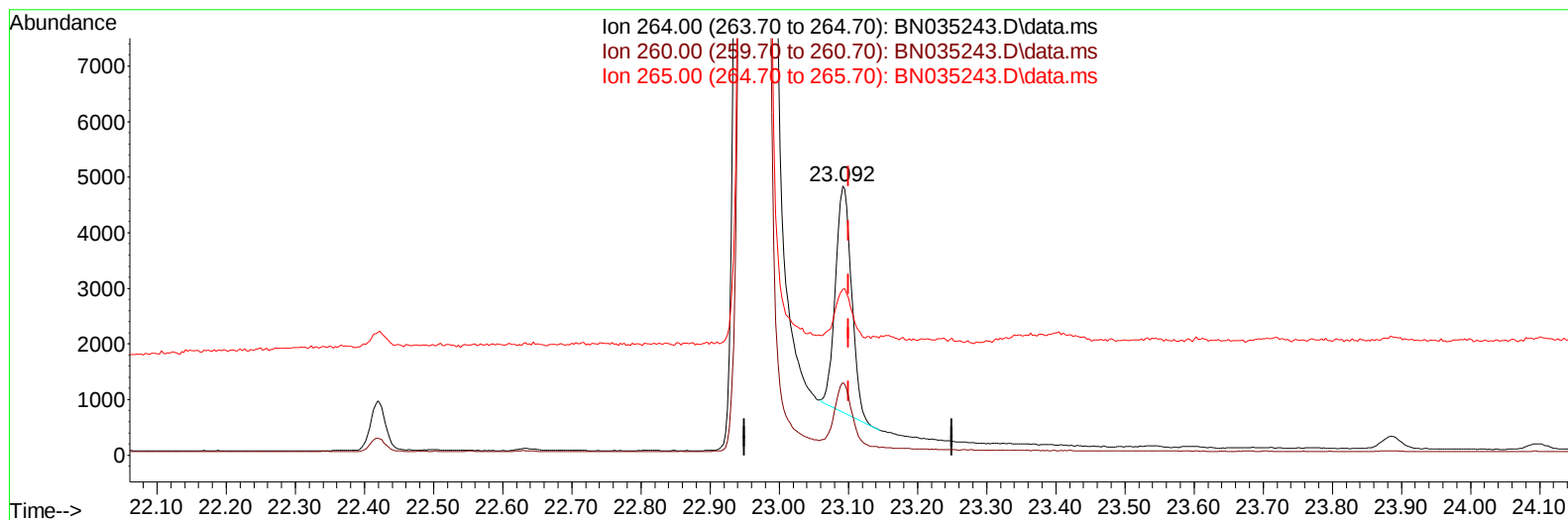
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Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.009) 0.40 ng/ul m

response 6616

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	27.05
265.00	75.50	61.77
0.00	0.00	0.00

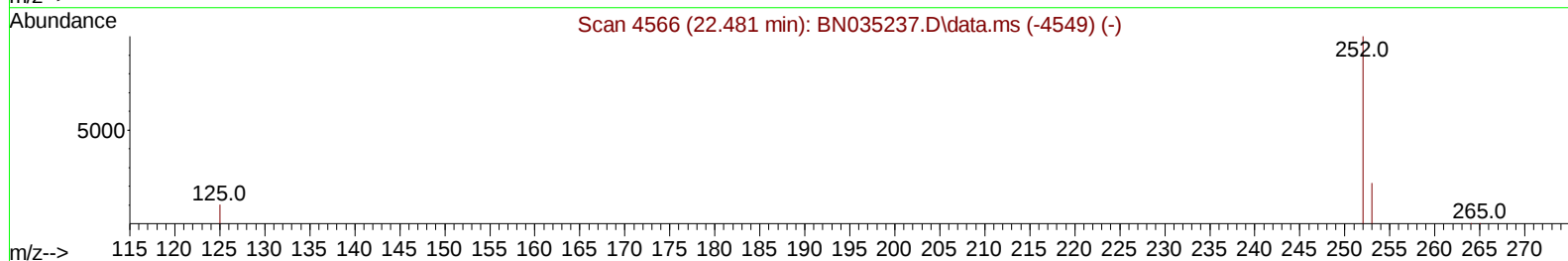
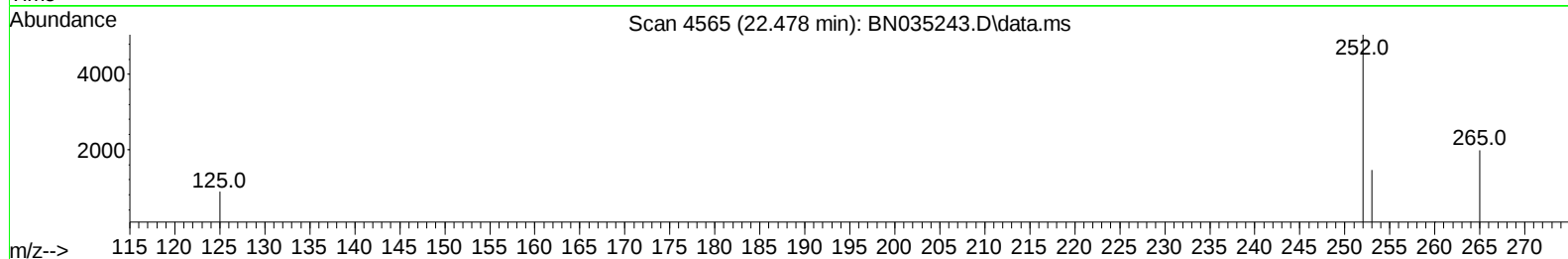
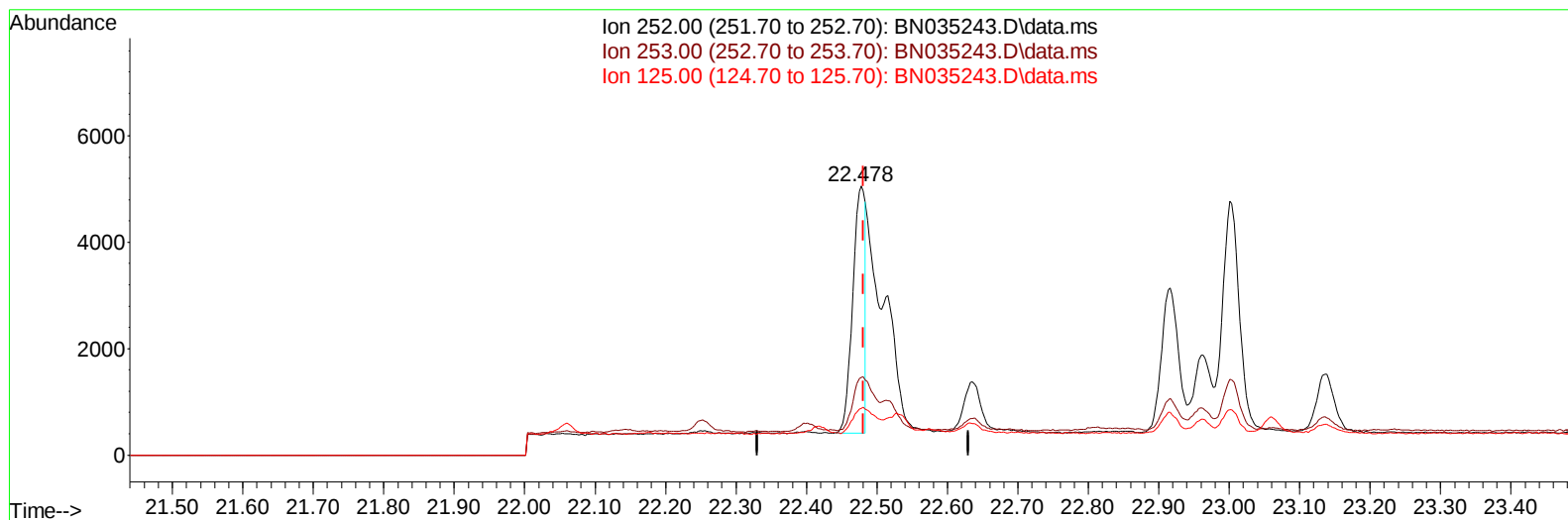
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.003) 0.26 ng/u1

response 5770

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.95
125.00	9.70	17.37
0.00	0.00	0.00

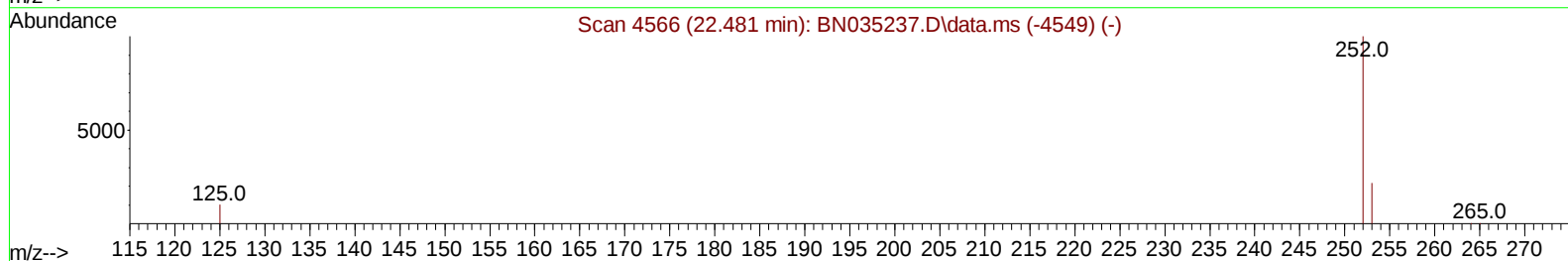
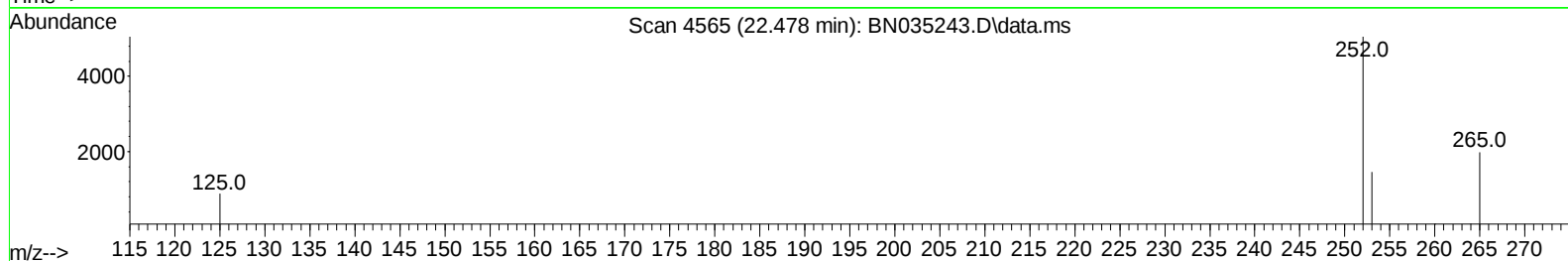
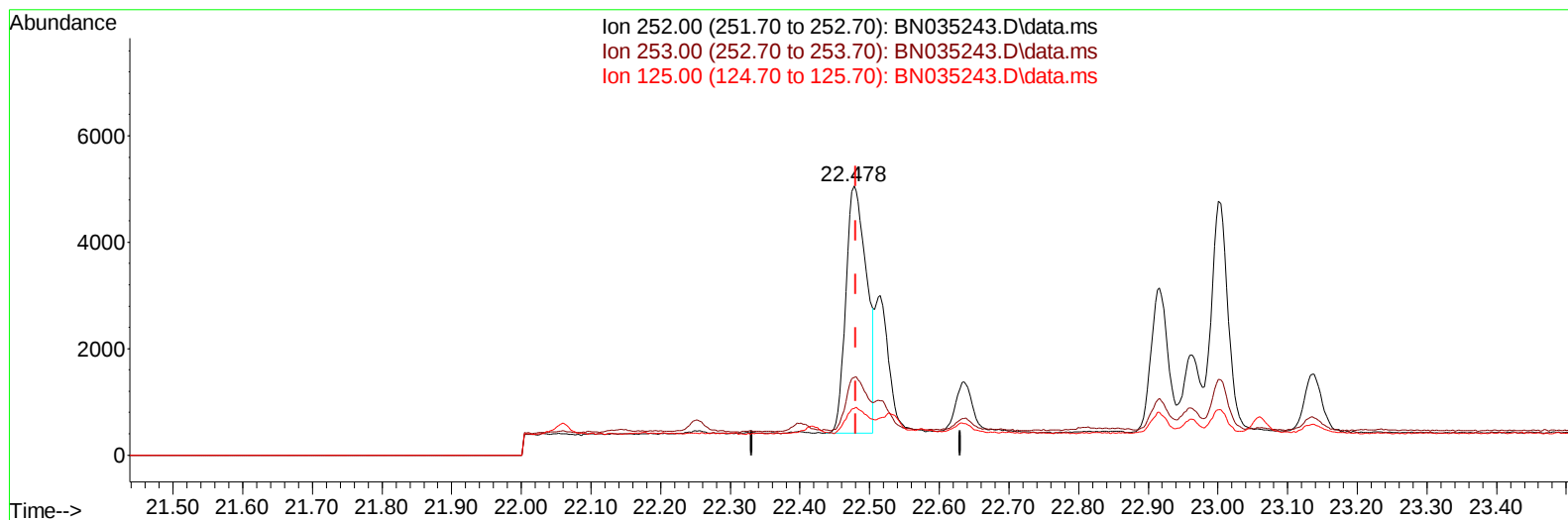
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.003) 0.44 ng/u1 m

response 9561

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.95
125.00	9.70	17.37
0.00	0.00	0.00

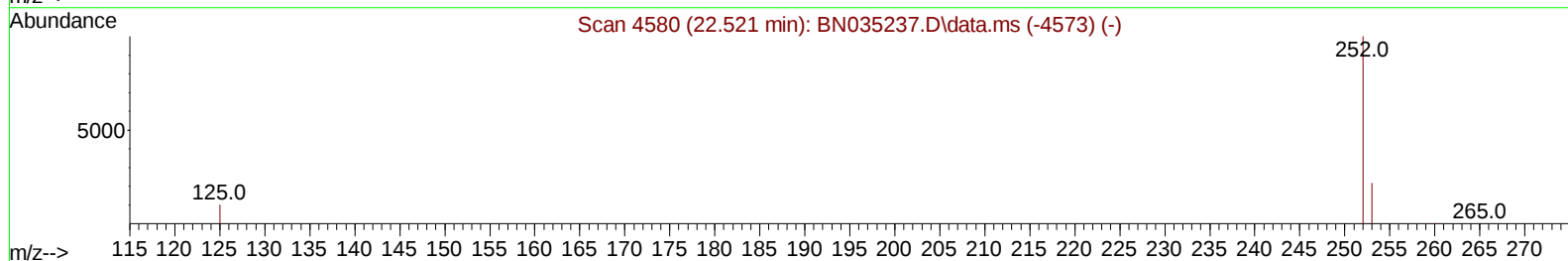
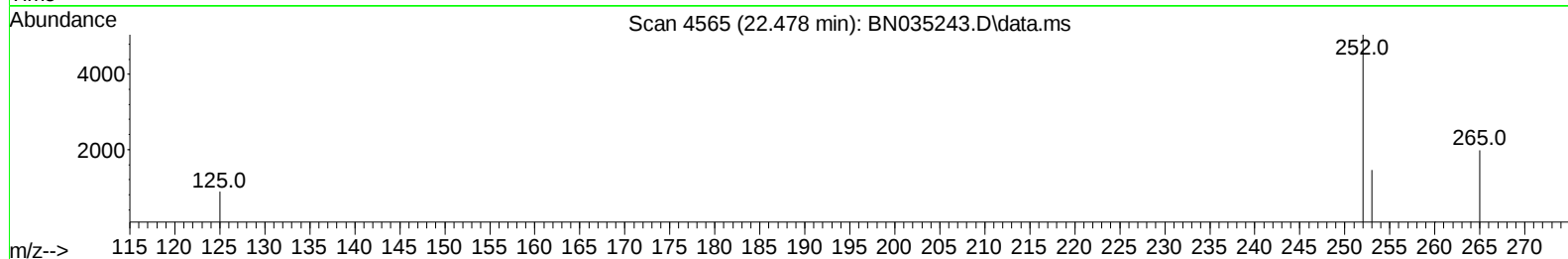
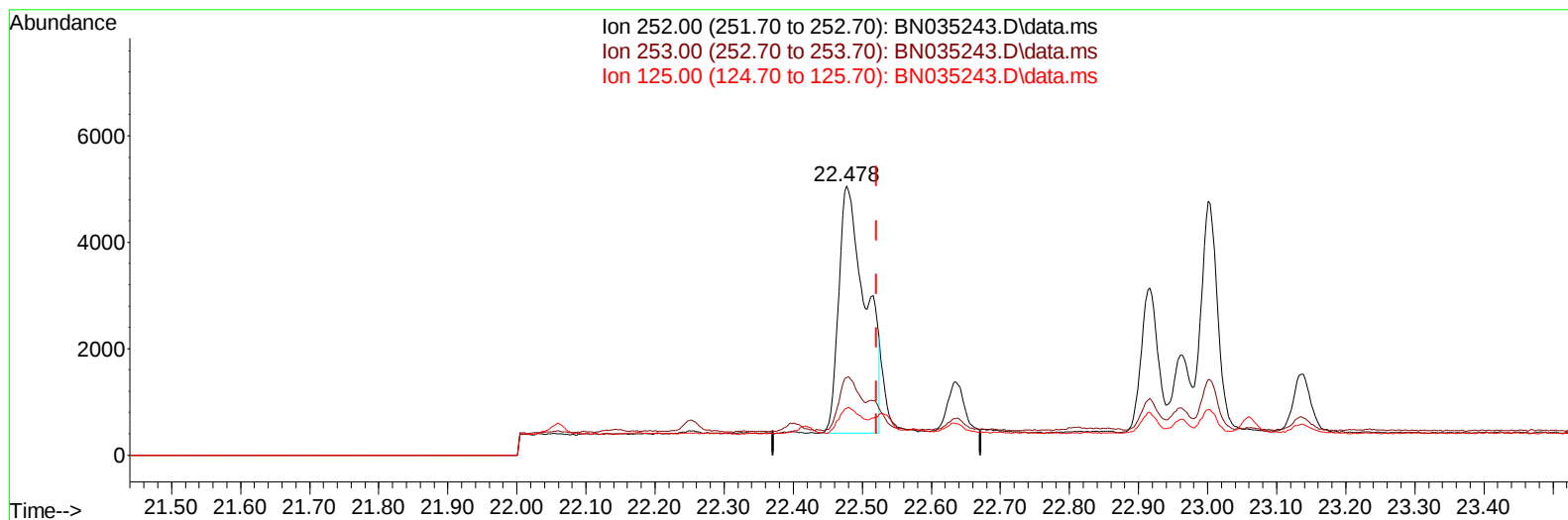
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 16:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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QLast Update : Fri Nov 22 12:45:23 2024
Response via : Initial Calibration



TIC: BN035243.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.044) 0.55 ng/u1

response 12409

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	28.95
125.00	10.70	17.37#
0.00	0.00	0.00

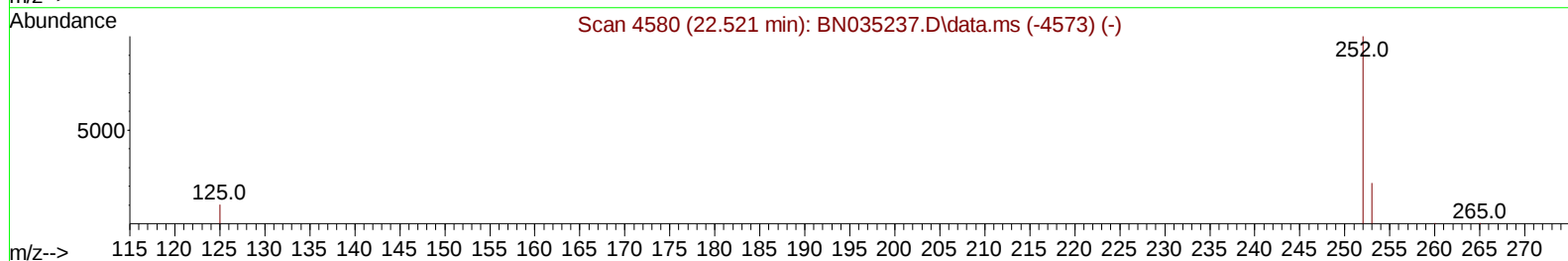
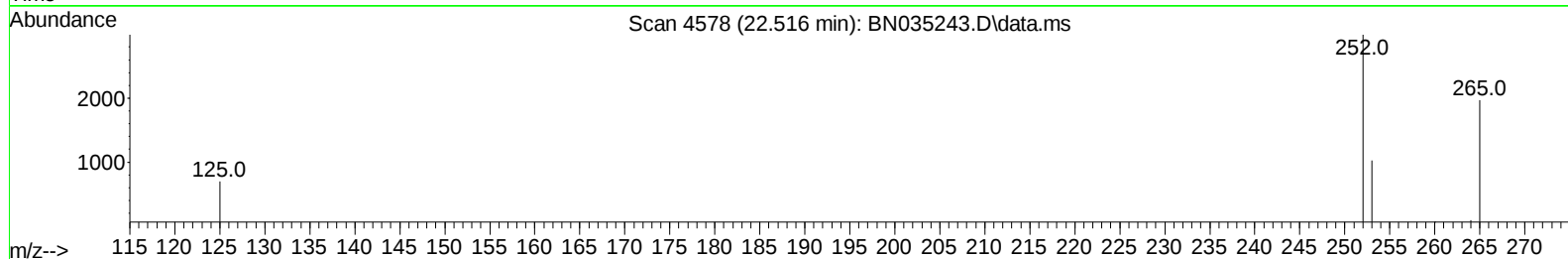
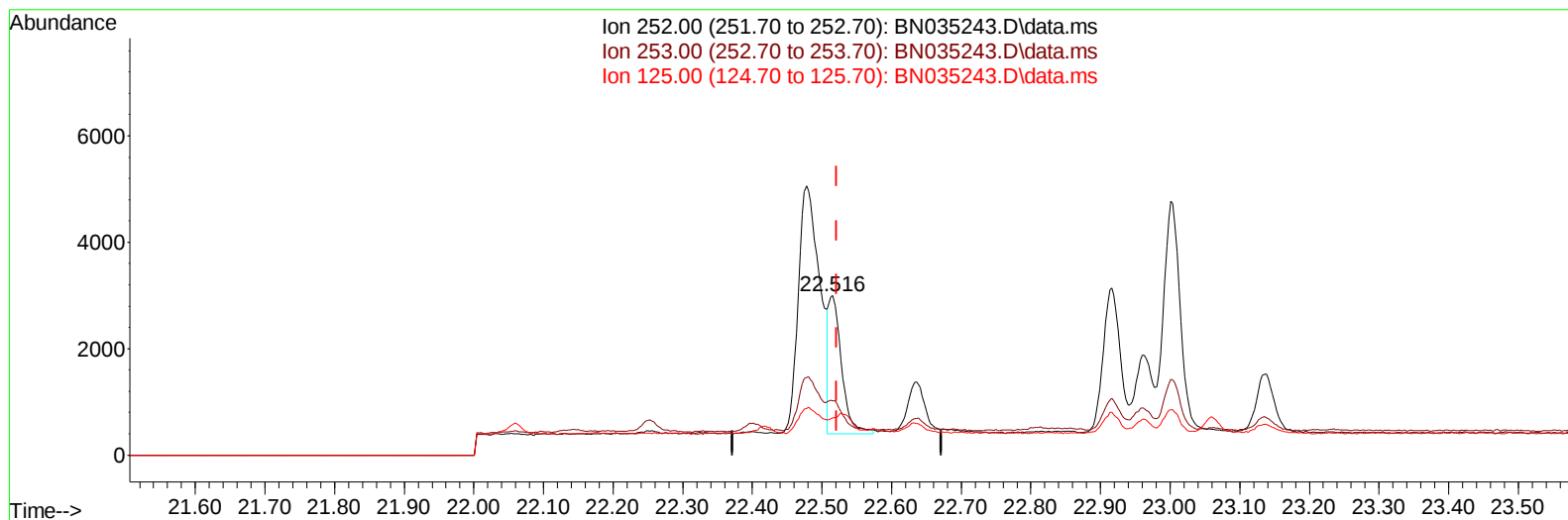
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Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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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: BN035243.D\data.ms

(25) Benzo(k)fluoranthene

22.516min (-0.006) 0.15 ng/u1 m

response 3406

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	34.25#
125.00	10.70	23.22#
0.00	0.00	0.00

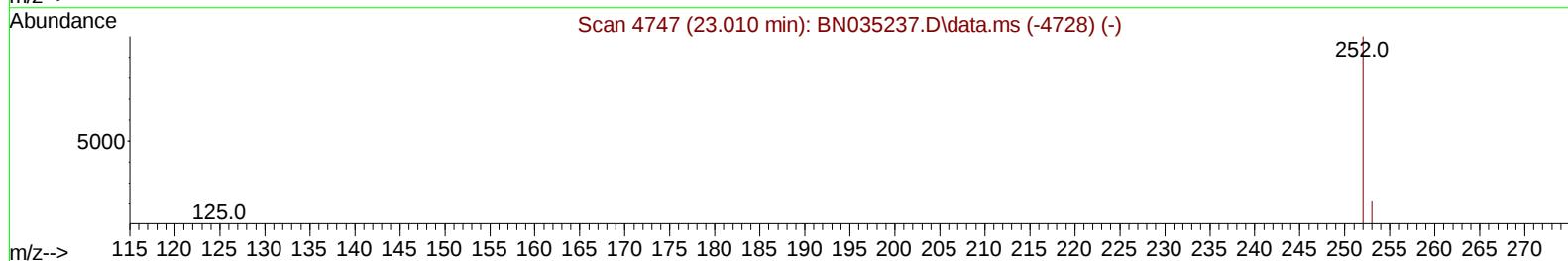
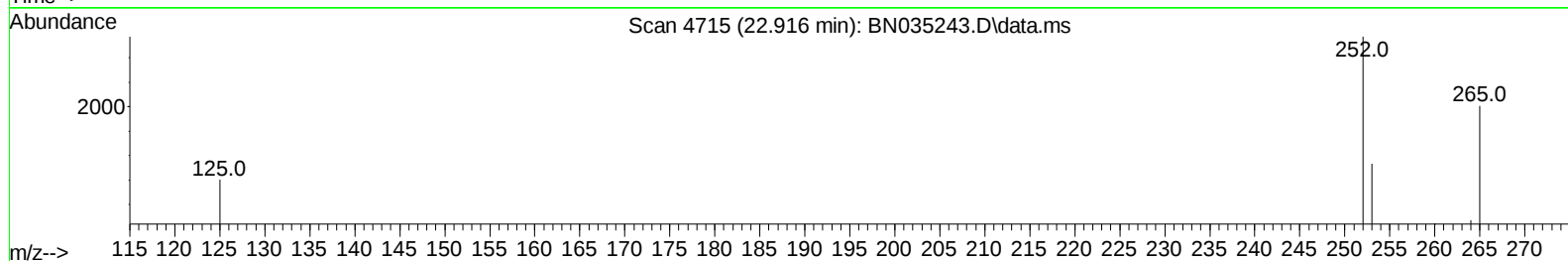
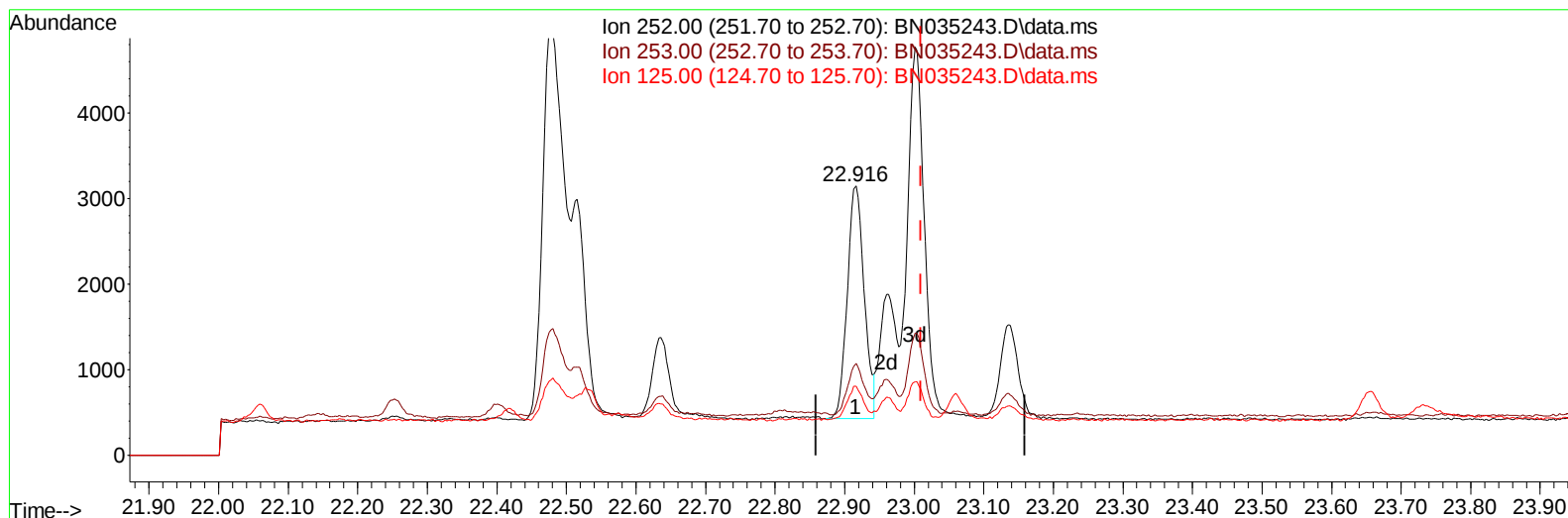
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035243.D
 Acq On : 22 Nov 2024 15:58
 Operator : RC/JU
 Sample : P4872-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
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 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: BN035243.D\data.ms

(26) Benzo(a)pyrene (C)

22.916min (-0.094) 0.23 ng/u1

response 4650

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	34.00
125.00	11.80	25.51#
0.00	0.00	0.00

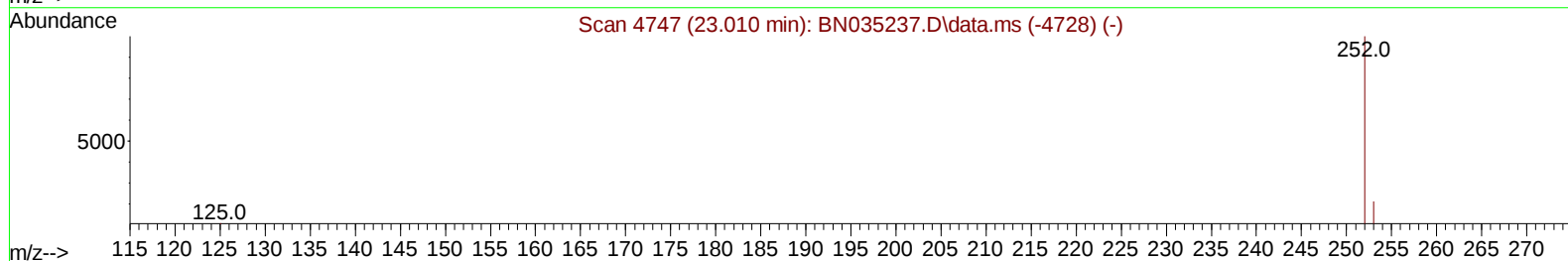
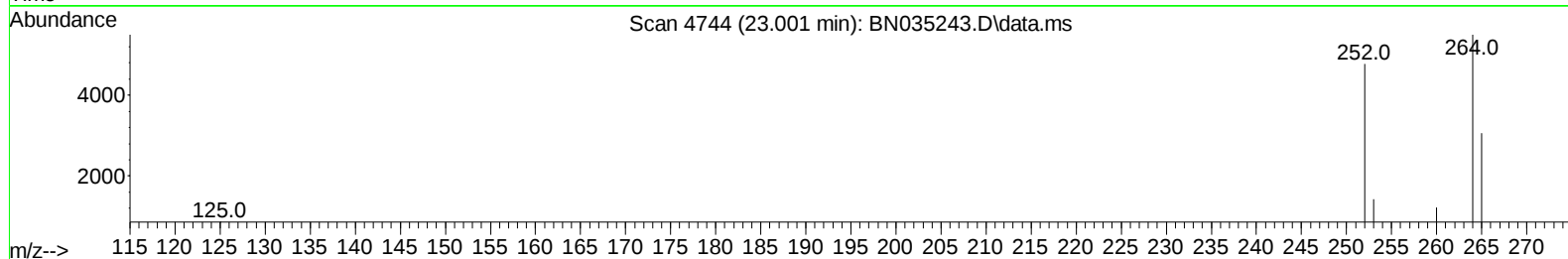
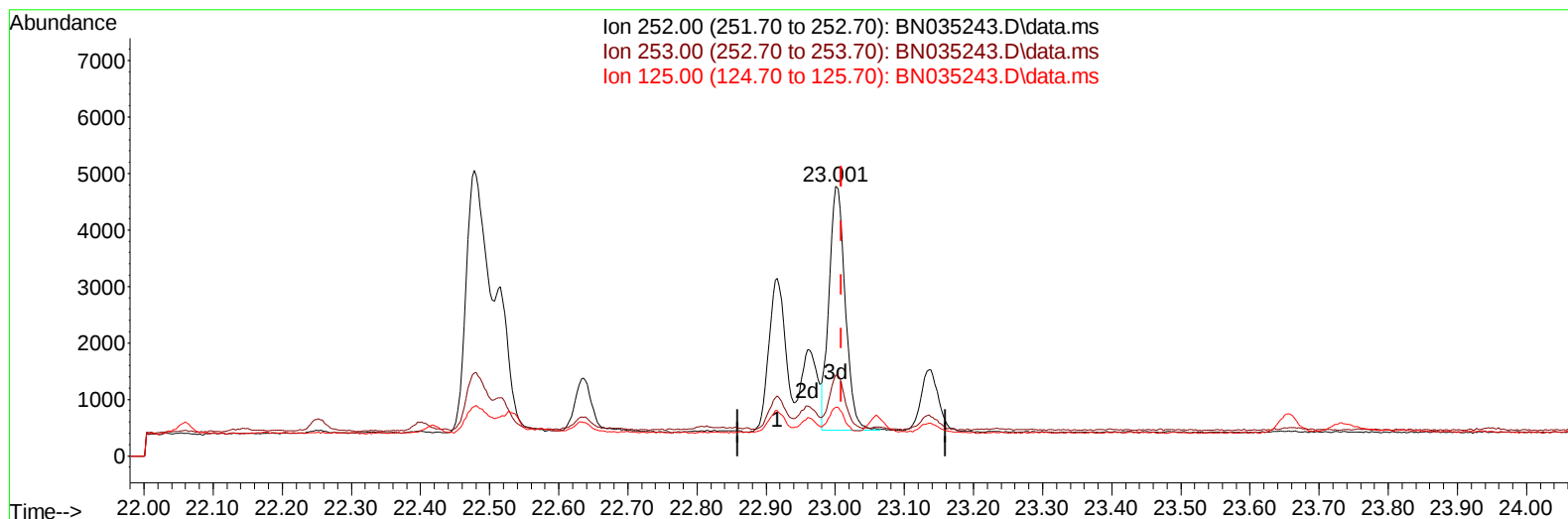
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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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: BN035243.D\data.ms

(26) Benzo(a)pyrene (C)

23.001min (-0.009) 0.35 ng/u1 m

response 7005

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	29.98
125.00	11.80	18.01#
0.00	0.00	0.00

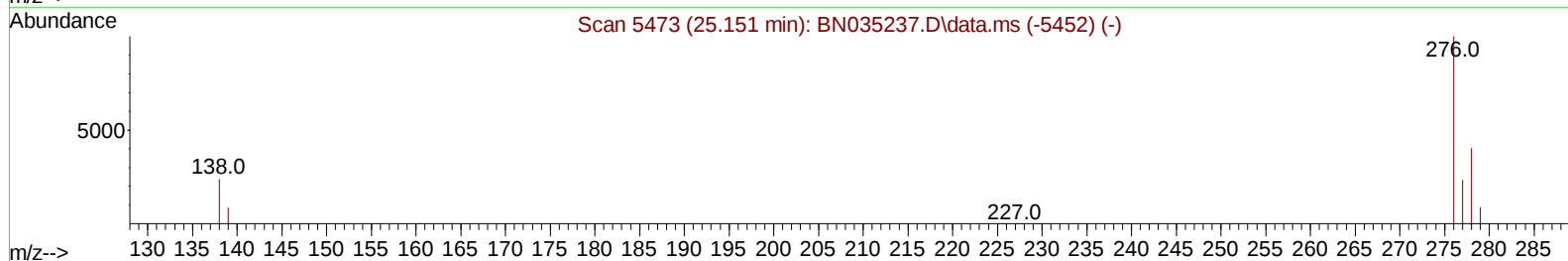
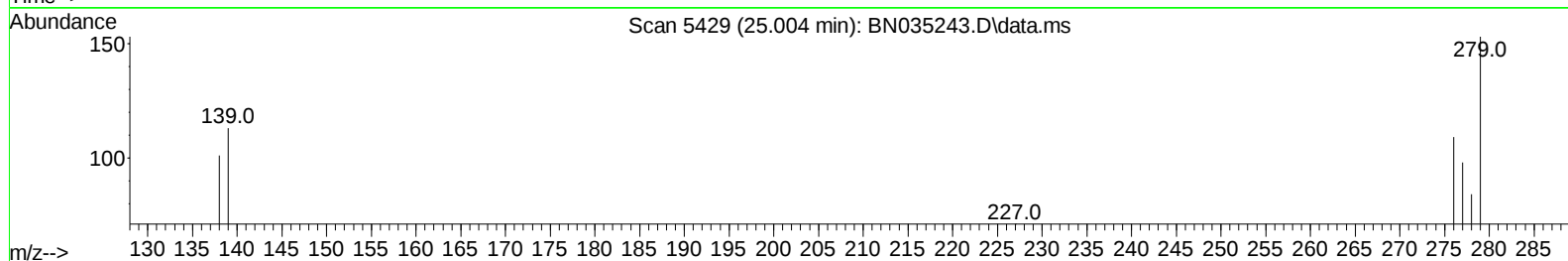
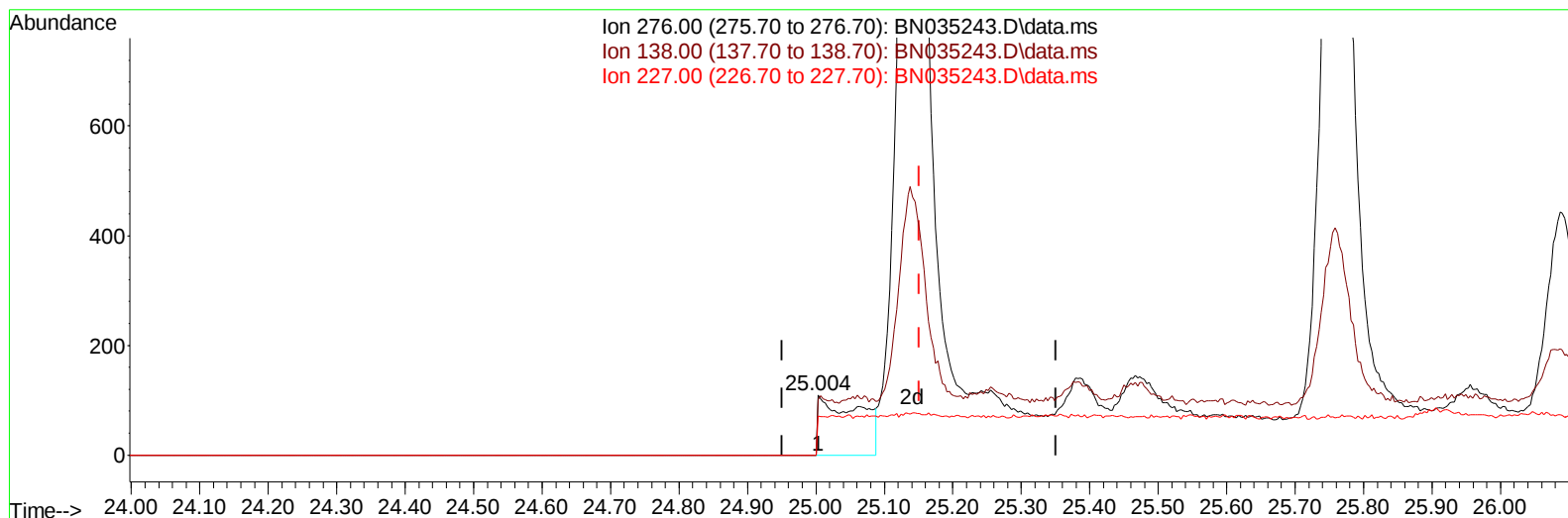
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
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TIC: BN035243.D\data.ms

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

25.004min (-0.148) 0.02 ng/u1

response 442

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

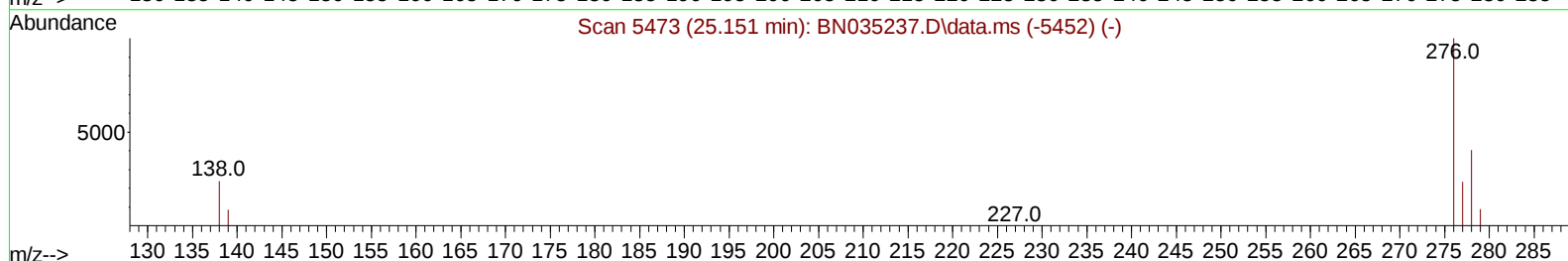
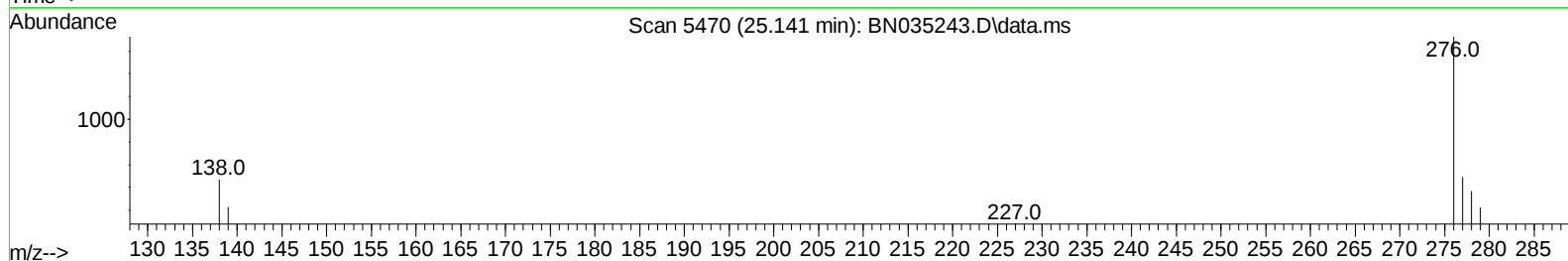
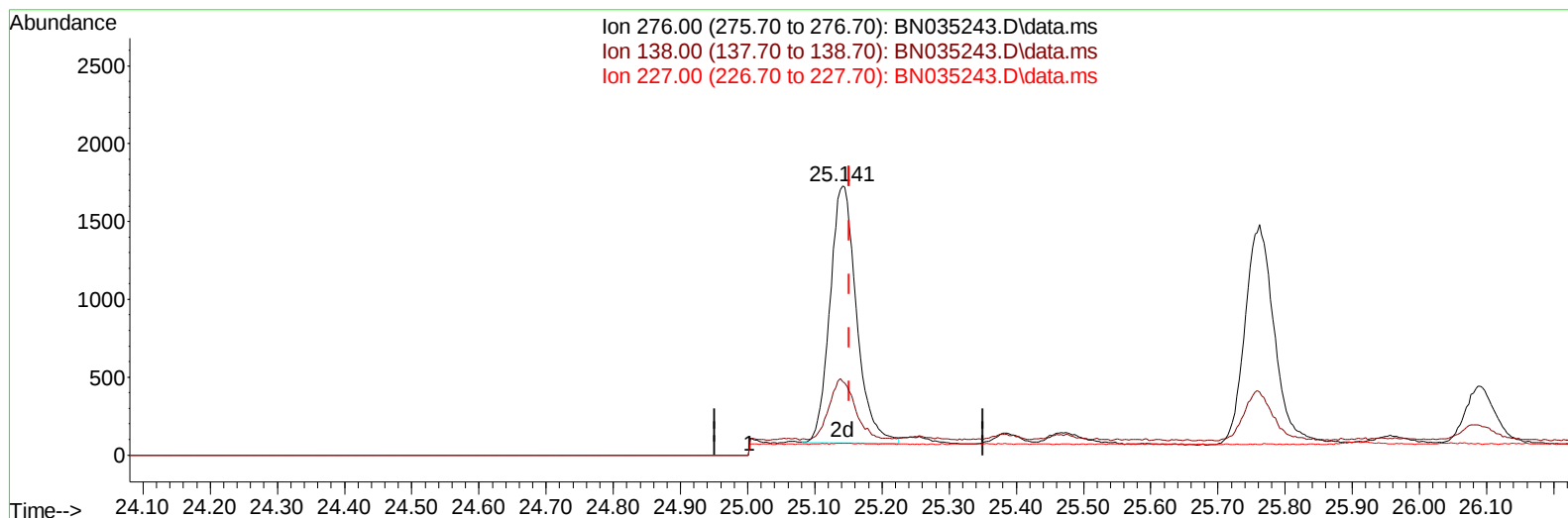
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

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

25.141min (-0.010) 0.17 ng/ul m

response 4525

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

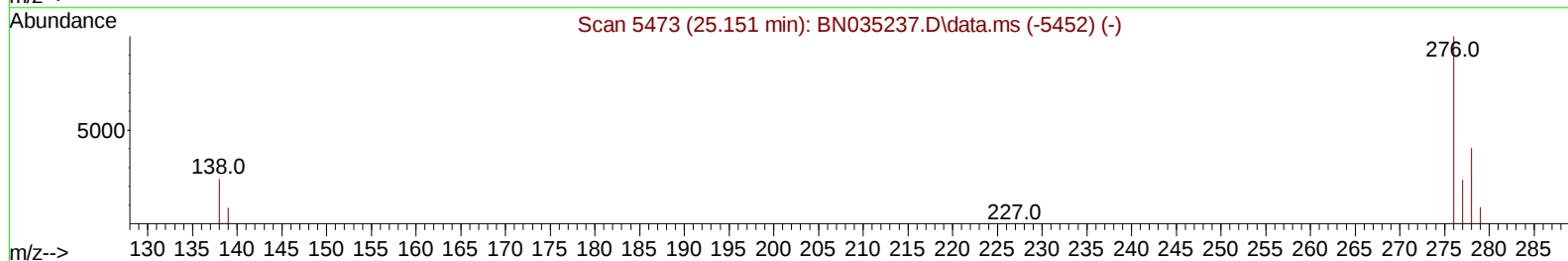
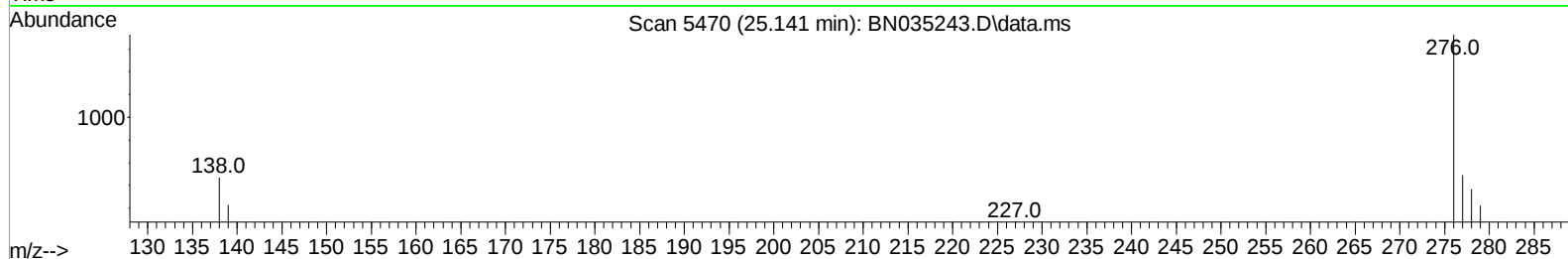
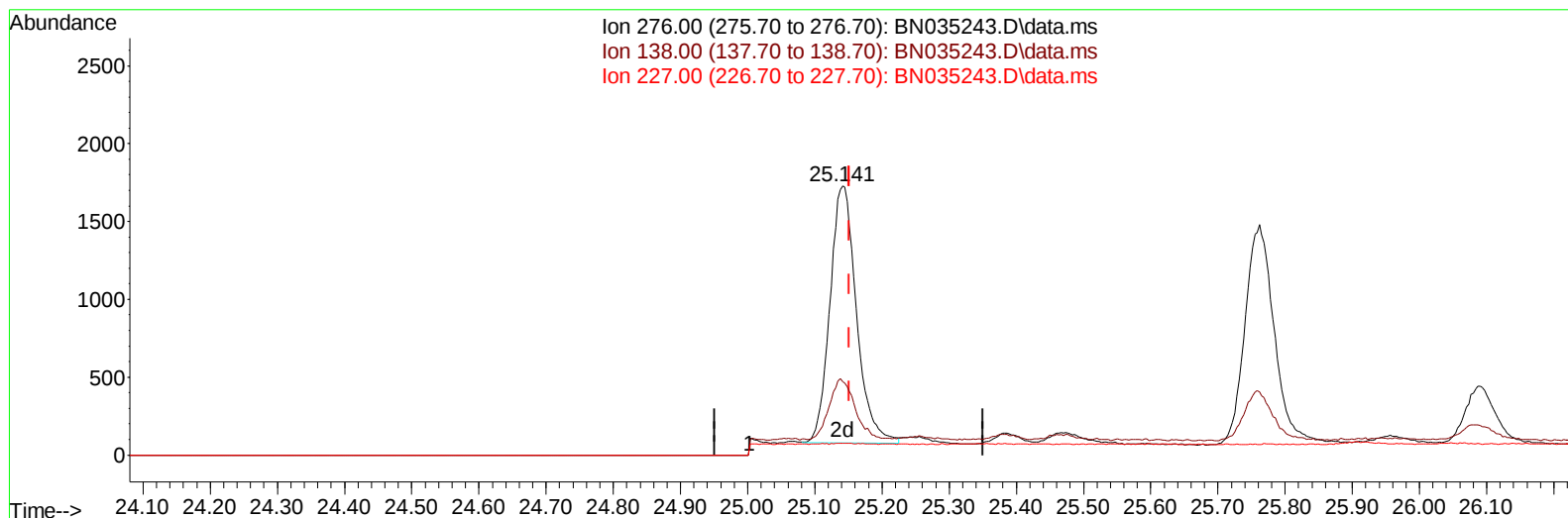
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
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TIC: BN035243.D\data.ms

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

25.141min (-0.010) 0.17 ng/ul m

response 4525

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

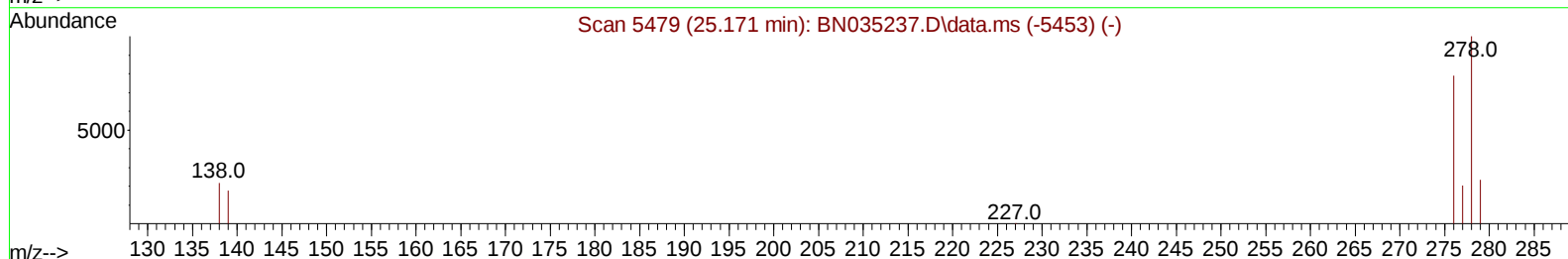
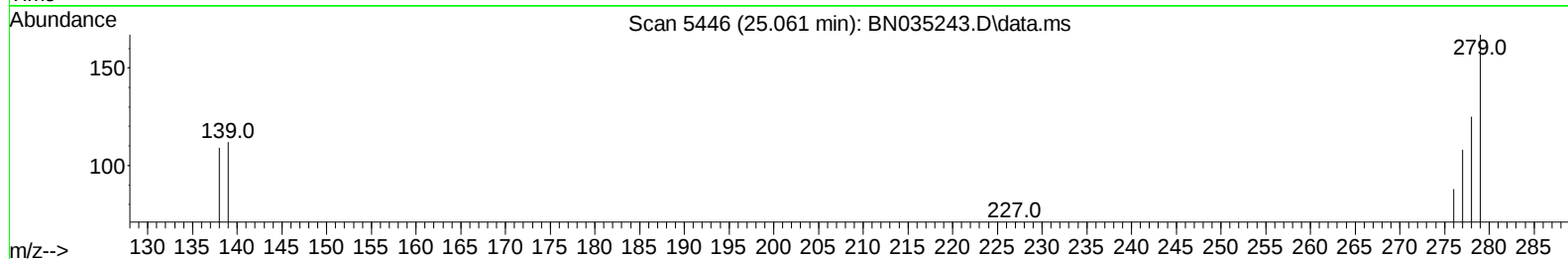
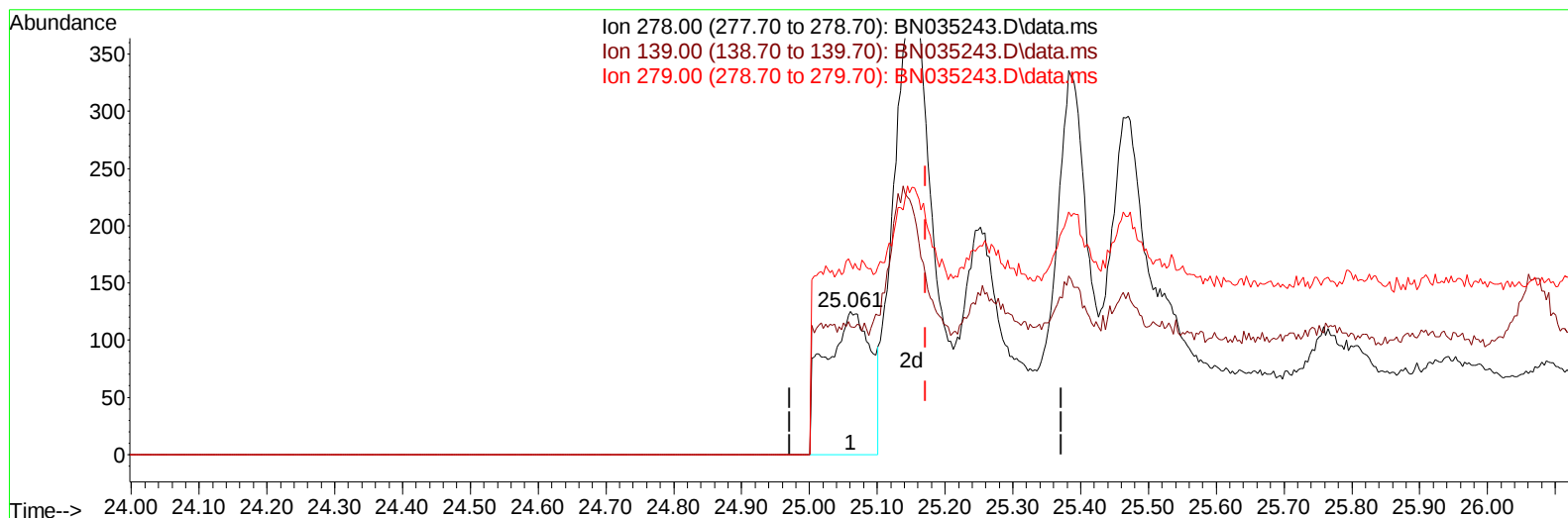
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035243.D\data.ms

(28) Dibenzo(a,h)anthracene

25.061min (-0.111) 0.03 ng/u1

response 588

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	89.60#
279.00	28.50	133.60#
0.00	0.00	0.00

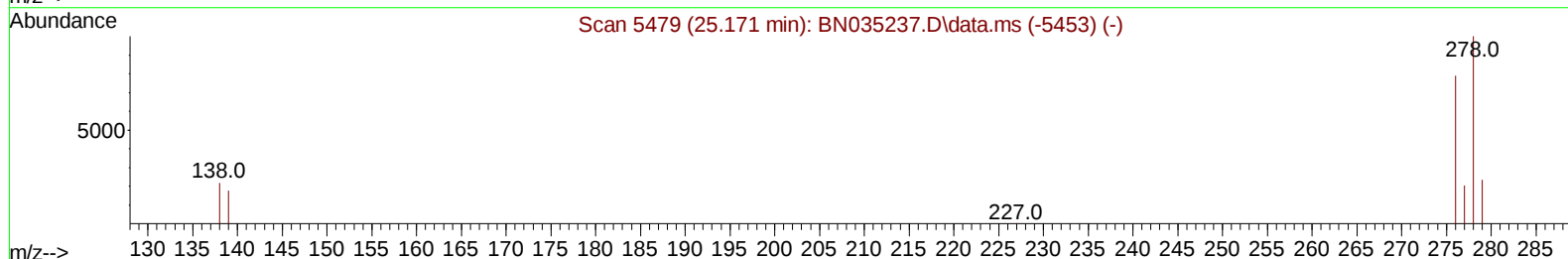
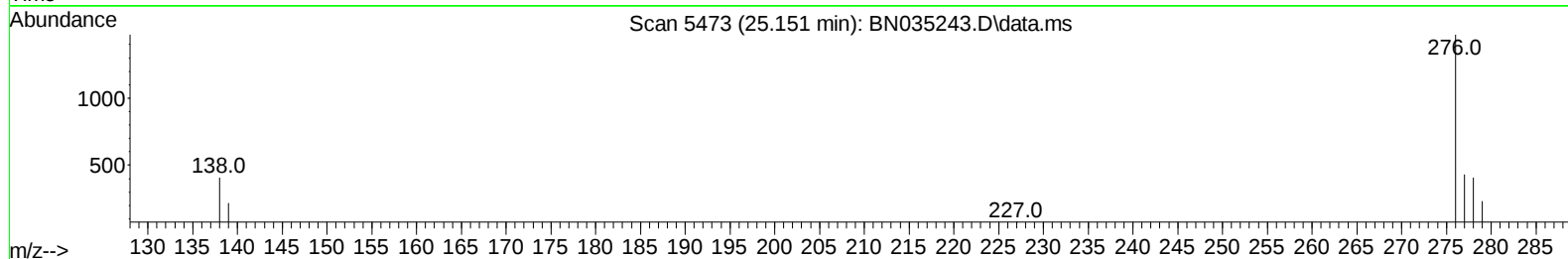
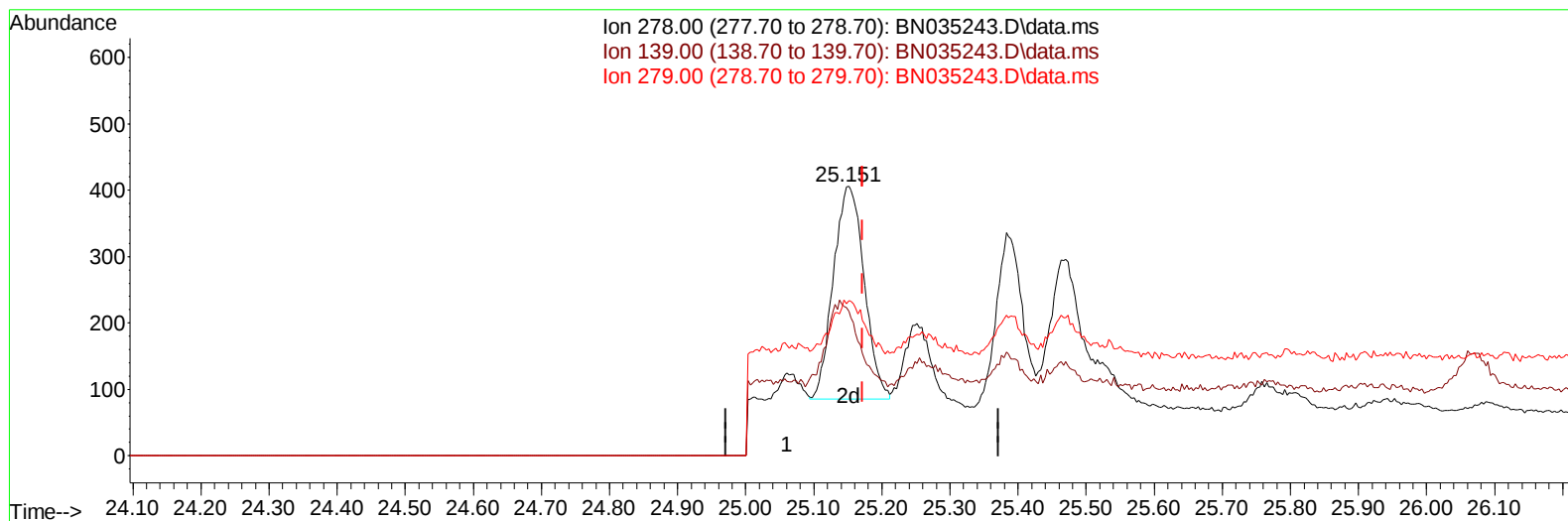
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

Quant Time: Nov 22 16:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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QLast Update : Fri Nov 22 12:45:23 2024
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TIC: BN035243.D\data.ms

(28) Dibenzo(a,h)anthracene

25.151min (-0.020) 0.05 ng/ul m

response 1010

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	53.45#
279.00	28.50	57.64#
0.00	0.00	0.00

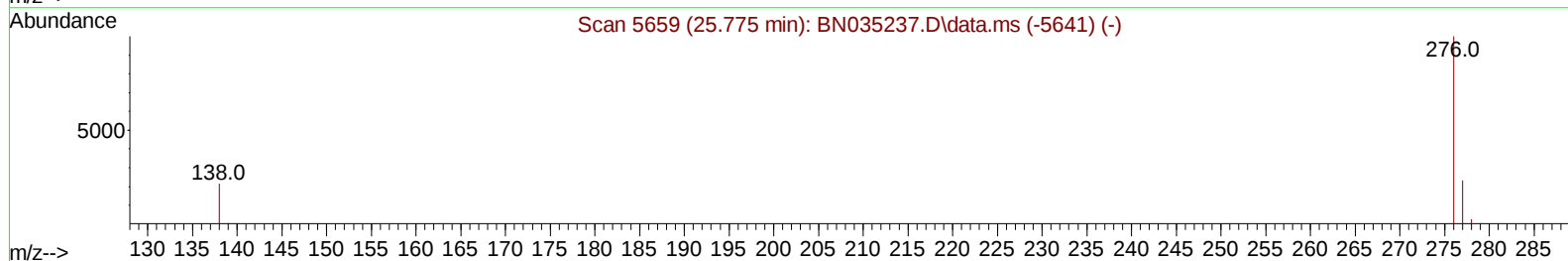
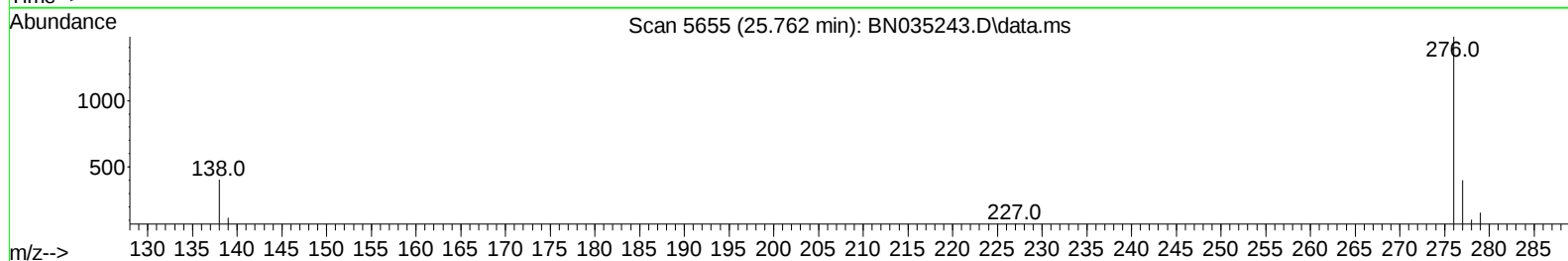
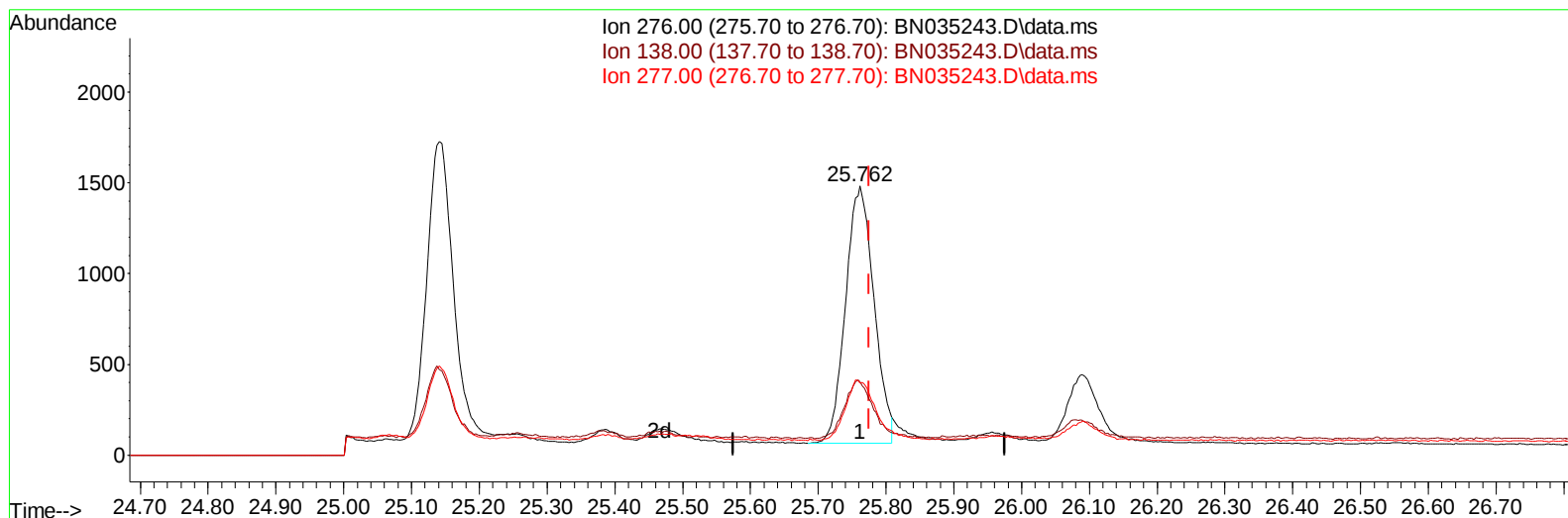
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
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 Acq On : 22 Nov 2024 15:58
 Operator : RC/JU
 Sample : P4872-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y7

Manual IntegrationsAPPROVED

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 QLast Update : Fri Nov 22 12:45:23 2024
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TIC: BN035243.D\data.ms

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

25.762min (-0.013) 0.19 ng/u1

response 4120

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	27.26#
277.00	25.60	26.86
0.00	0.00	0.00

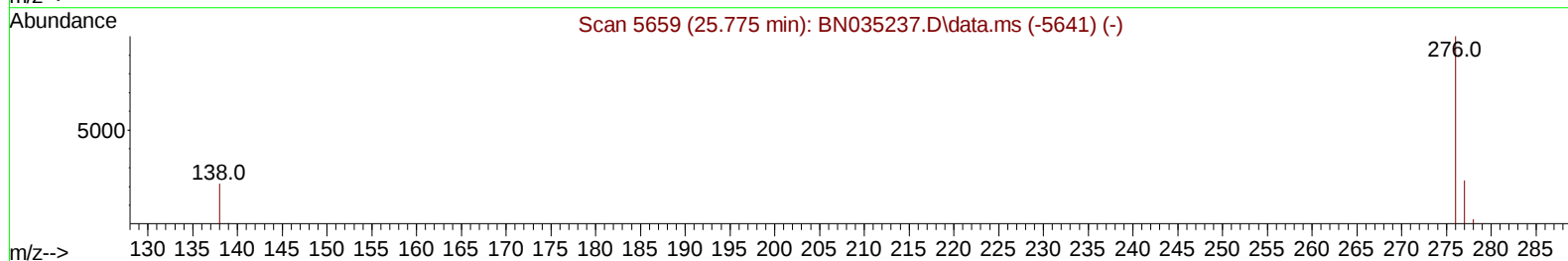
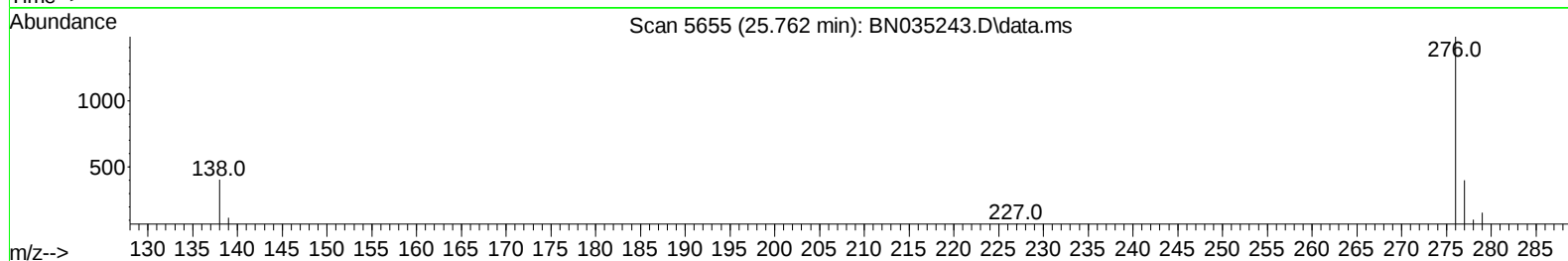
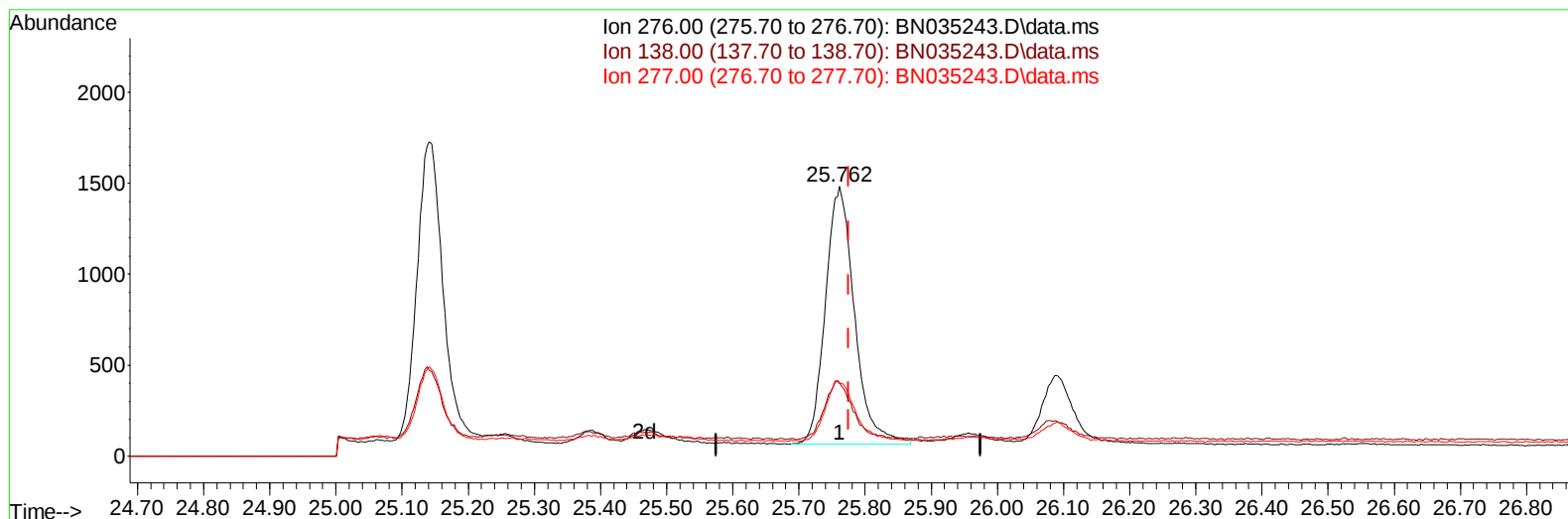
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 16:32:57 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: BN035243.D\data.ms

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

25.762min (-0.013) 0.20 ng/u1 m

response 4326

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	27.26#
277.00	25.60	26.86
0.00	0.00	0.00

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 Operator : RC/JU
 Sample : P4872-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.318	152		3418	0.400	ng/ul	0.00
4) Naphthalene-d8	10.069	136		8963	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.981	164		5828	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.747	188		12798m	0.400	ng/ul	0.00
17) Chrysene-d12	20.990	240		8211	0.400	ng/ul	# 0.00
23) Perylene-d12	23.092	264		6616m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	2.976	96		14996	4.800	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.670	152		4028	0.307	ng/ul	0.00
18) Fluoranthene-d10	18.800	212		10708	0.473	ng/ul	0.00
Target Compounds							
						Qvalue	
10) Acenaphthylene	13.694	152		2040	0.088	ng/ul#	92
12) Fluorene	15.045	166		515	0.025	ng/ul#	89
15) Phenanthrene	16.789	178		9340	0.276	ng/ul	99
16) Anthracene	16.878	178		2827	0.090	ng/ul#	93
19) Fluoranthene	18.828	202		27636	0.967	ng/ul#	94
20) Pyrene	19.200	202		22200m	0.746	ng/ul	
21) Benzo(a)anthracene	20.973	228		9303	0.327	ng/ul	94
22) Chrysene	21.026	228		8900	0.310	ng/ul	97
24) Benzo(b)fluoranthene	22.478	252		9561m	0.437	ng/ul	
25) Benzo(k)fluoranthene	22.516	252		3406m	0.151	ng/ul	
26) Benzo(a)pyrene	23.001	252		7005m	0.351	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.141	276		4525m	0.168	ng/ul	
28) Dibenzo(a,h)anthracene	25.151	278		1010m	0.048	ng/ul	
29) Benzo(g,h,i)perylene	25.762	276		4326m	0.203	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035243.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4872-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y7

Manual IntegrationsAPPROVED

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