

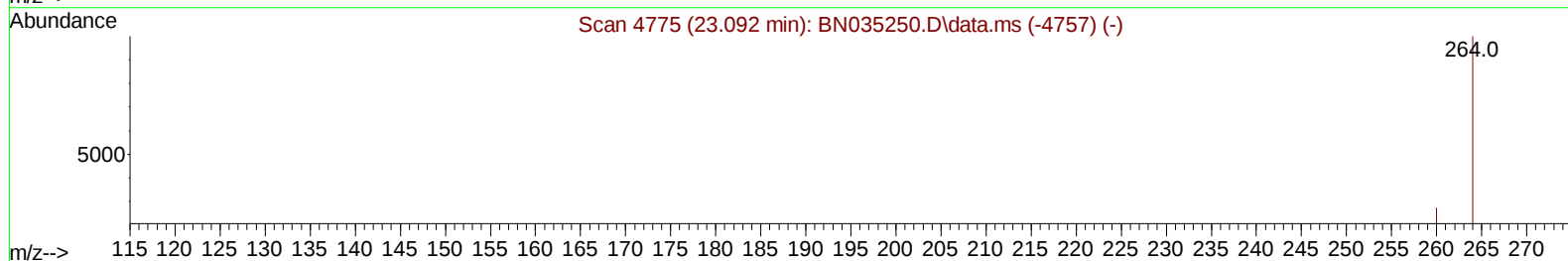
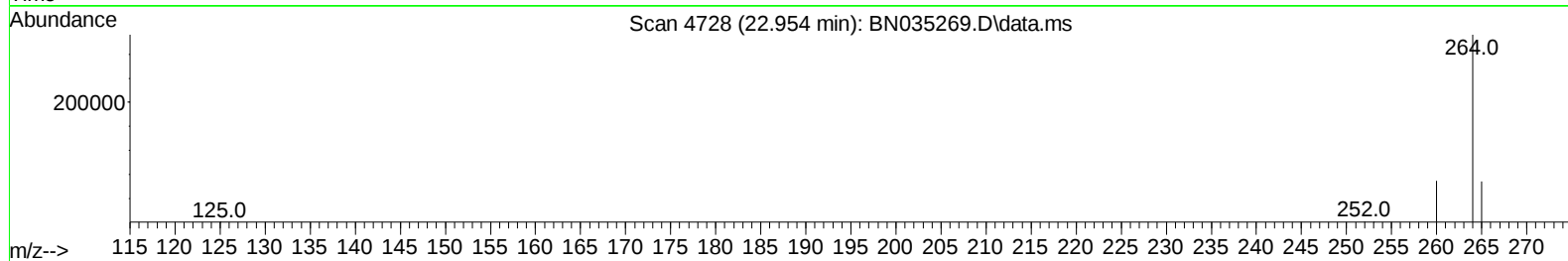
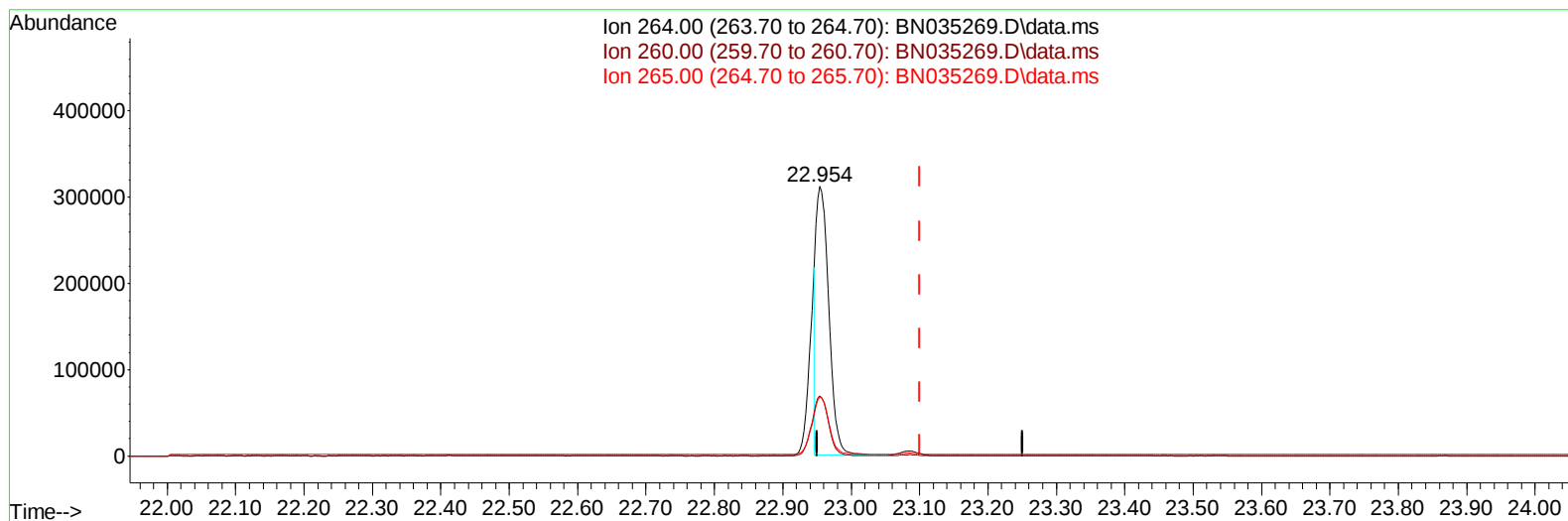
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 Data File : BN035269.D
 Acq On : 23 Nov 2024 08:47
 Operator : RC/JU
 Sample : P4872-15
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

(23) Perylene-d12 (I)

22.954min (-0.146) 0.40 ng/u1

response 408045

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	22.32
265.00	75.50	21.81#
0.00	0.00	0.00

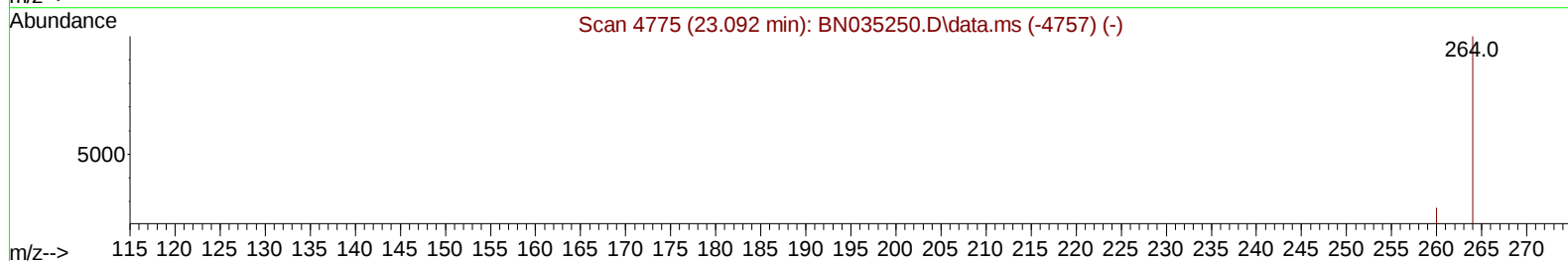
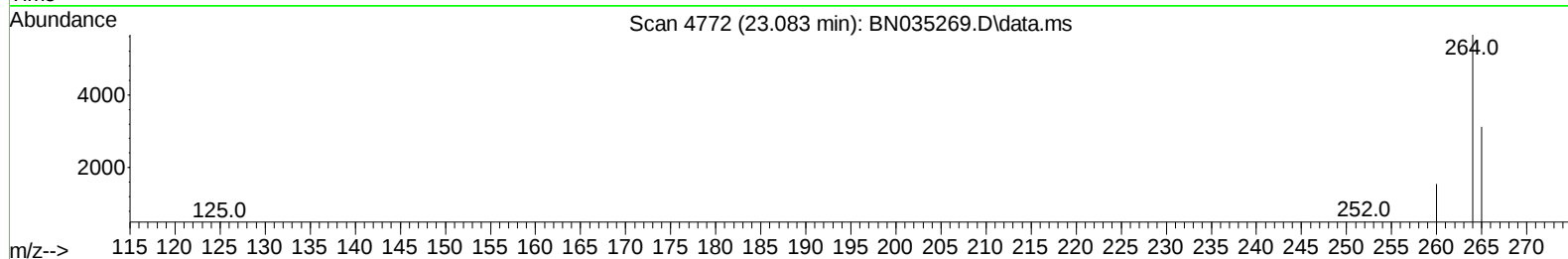
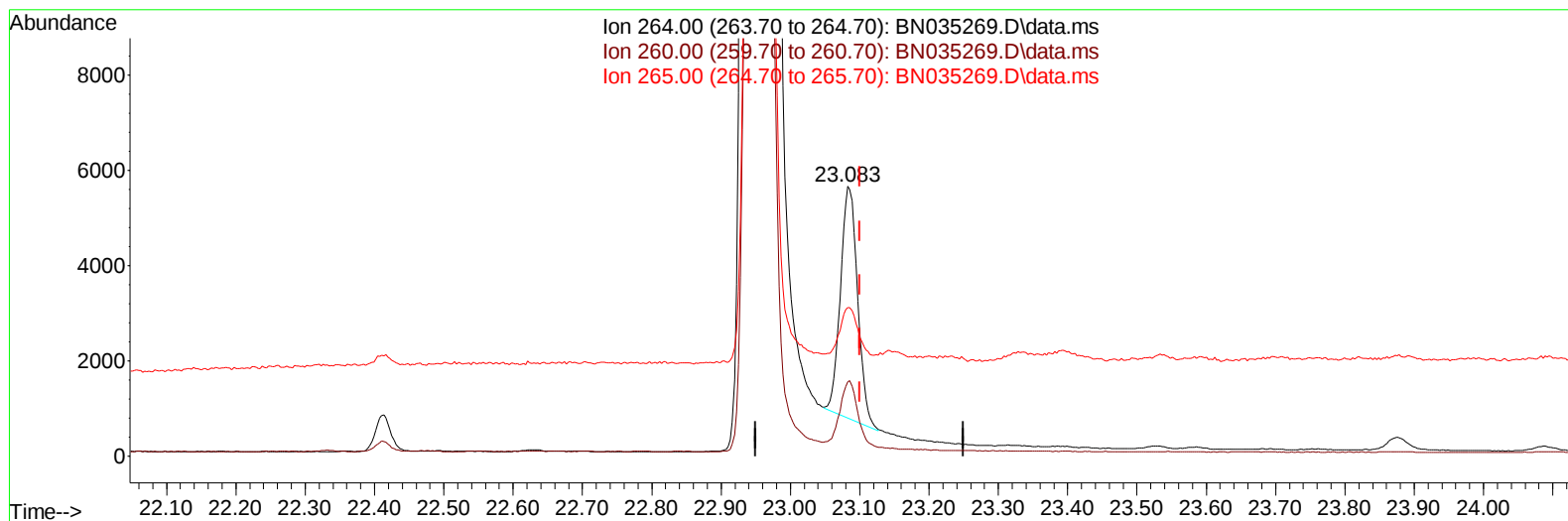
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

(23) Perylene-d12 (I)

23.083min (-0.017) 0.40 ng/ul m

response 8362

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	27.44
265.00	75.50	55.17#
0.00	0.00	0.00

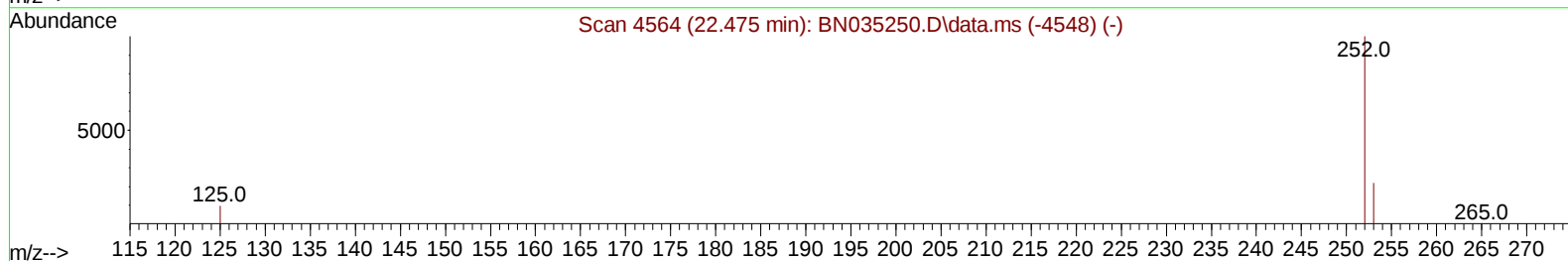
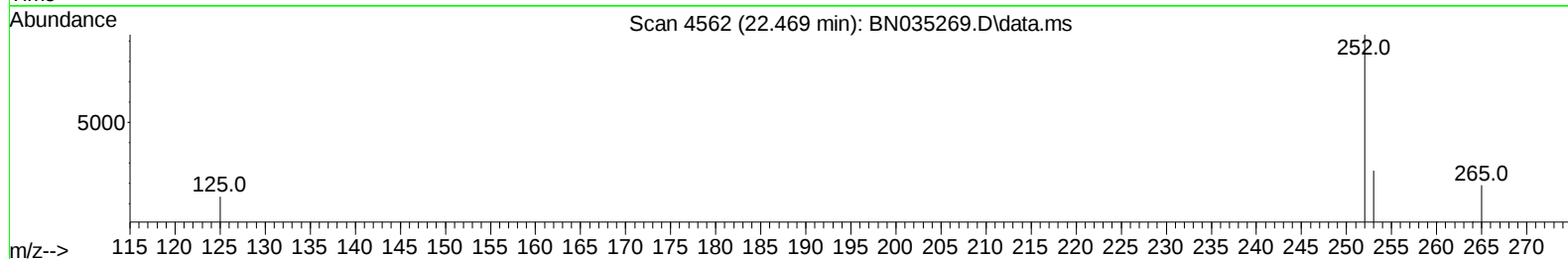
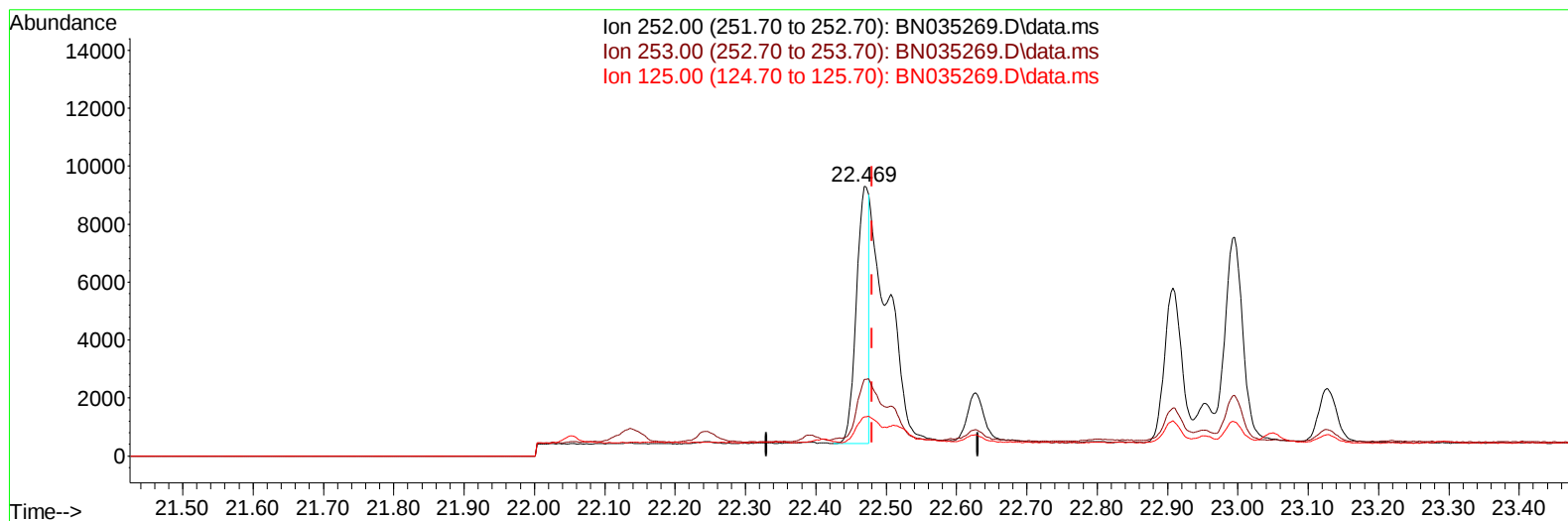
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035269.D
 Acq On : 23 Nov 2024 08:47
 Operator : RC/JU
 Sample : P4872-15
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 2024
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 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: BN035269.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.012) 0.39 ng/u1

response 10704

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.42
125.00	9.70	14.63
0.00	0.00	0.00

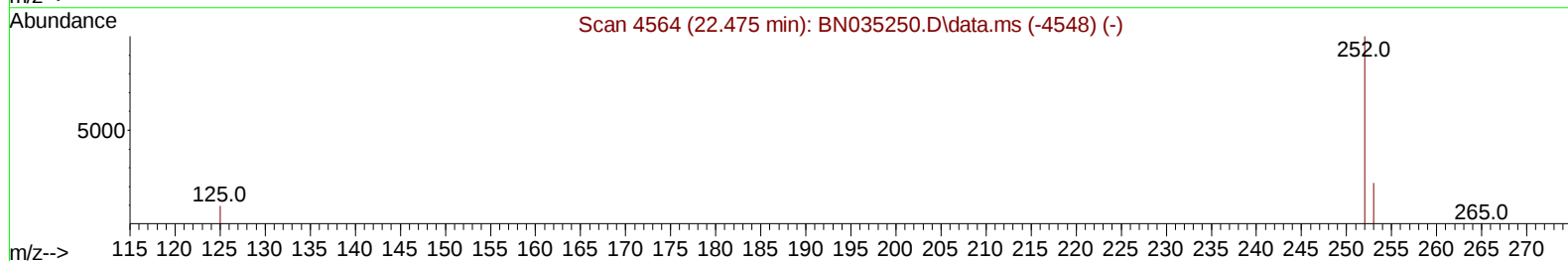
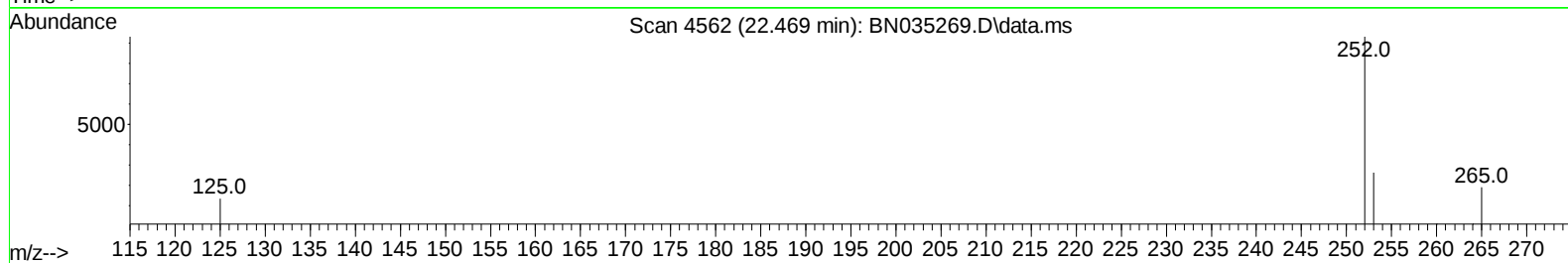
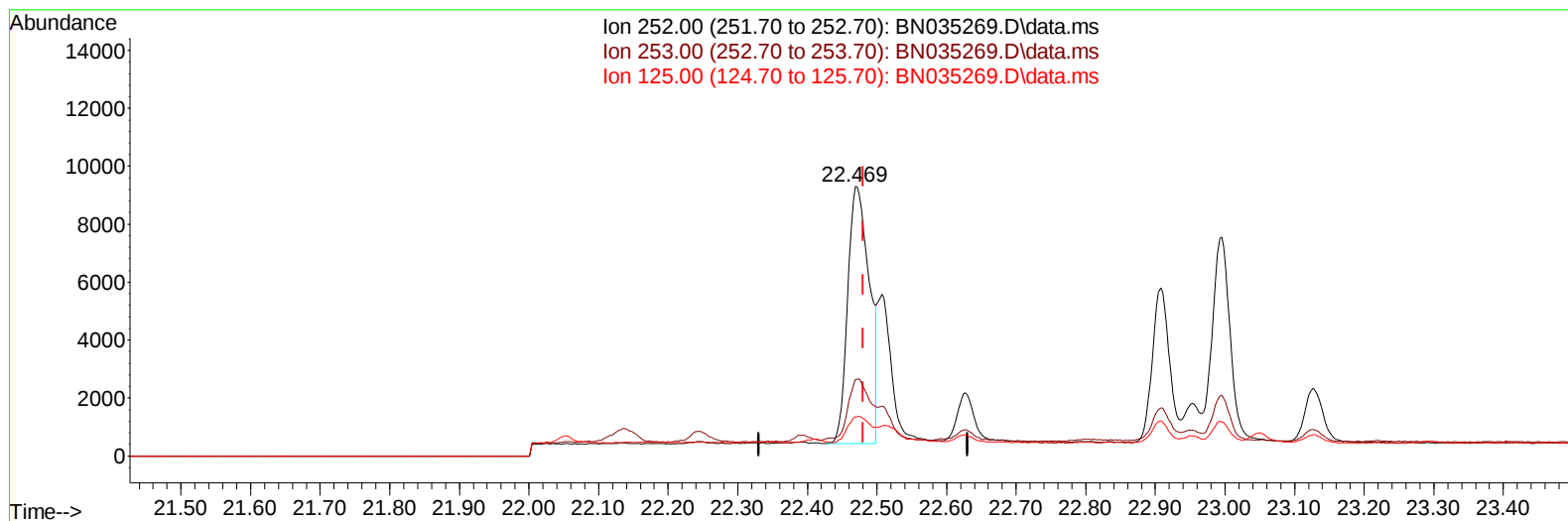
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

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

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.012) 0.70 ng/u1 m

response 19236

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.42
125.00	9.70	14.63
0.00	0.00	0.00

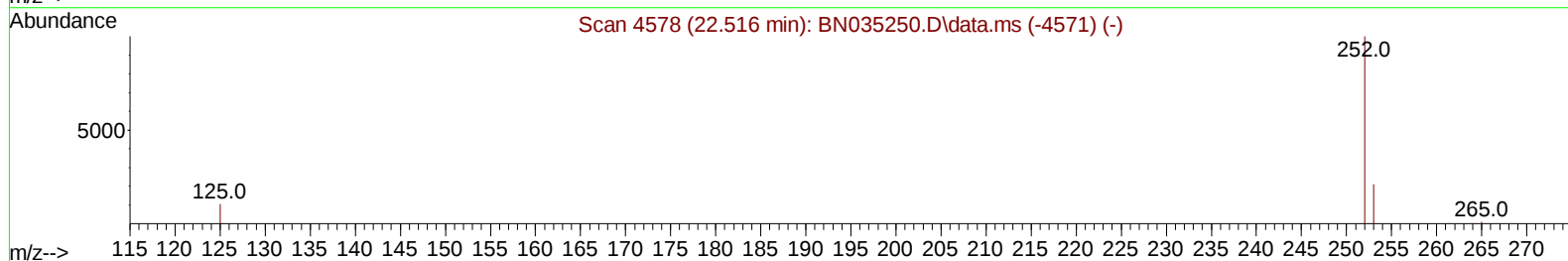
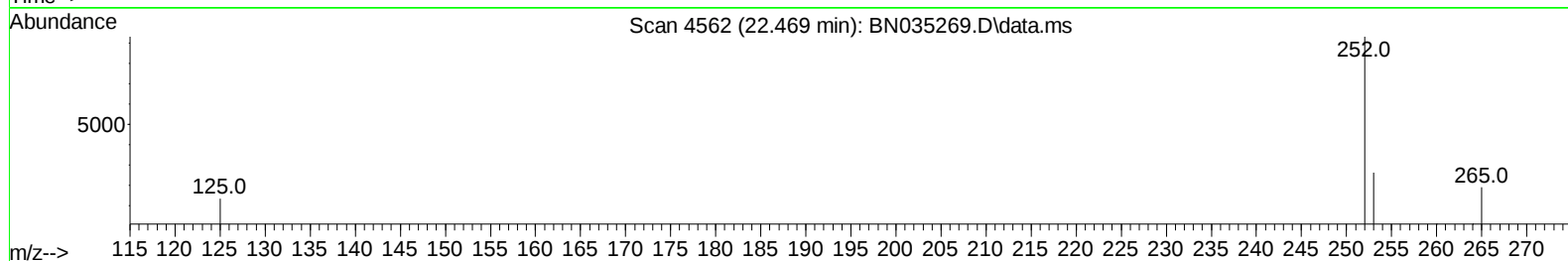
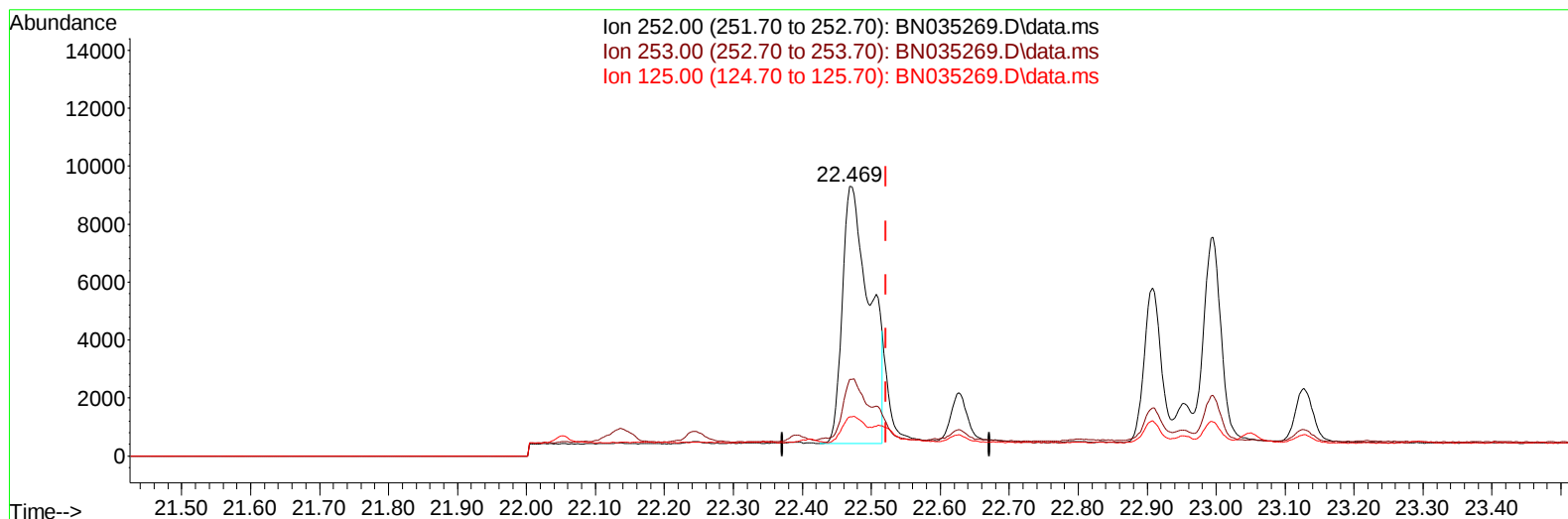
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Supervised By :mohammad ahmed 11/27/2024



TIC: BN035269.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.053) 0.85 ng/u1

response 24215

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	28.42
125.00	10.70	14.63#
0.00	0.00	0.00

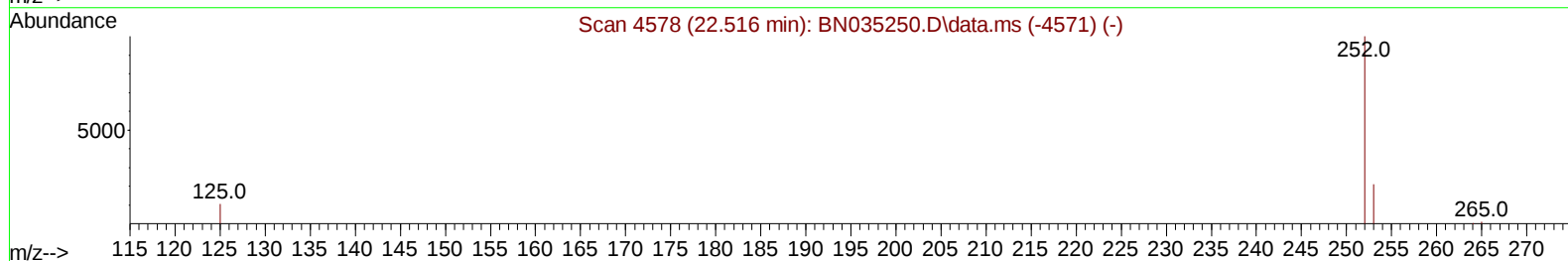
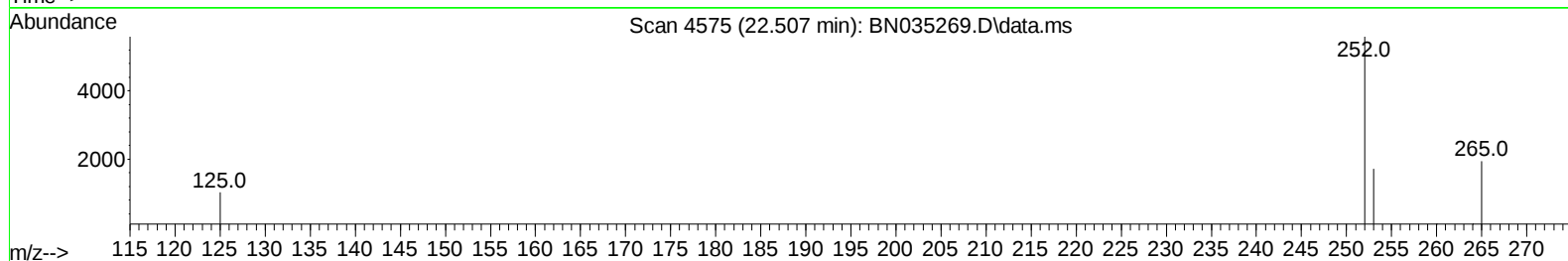
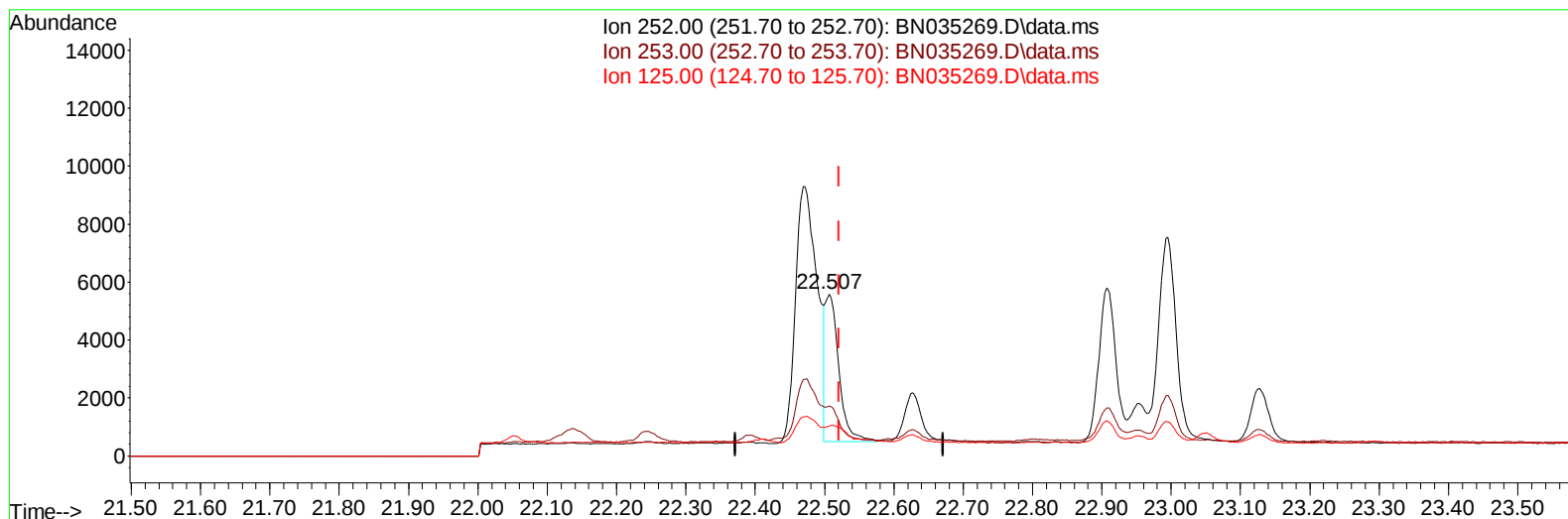
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035269.D\data.ms

(25) Benzo(k)fluoranthene

22.507min (-0.015) 0.25 ng/u1 m

response 7055

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	30.72
125.00	10.70	18.36#
0.00	0.00	0.00

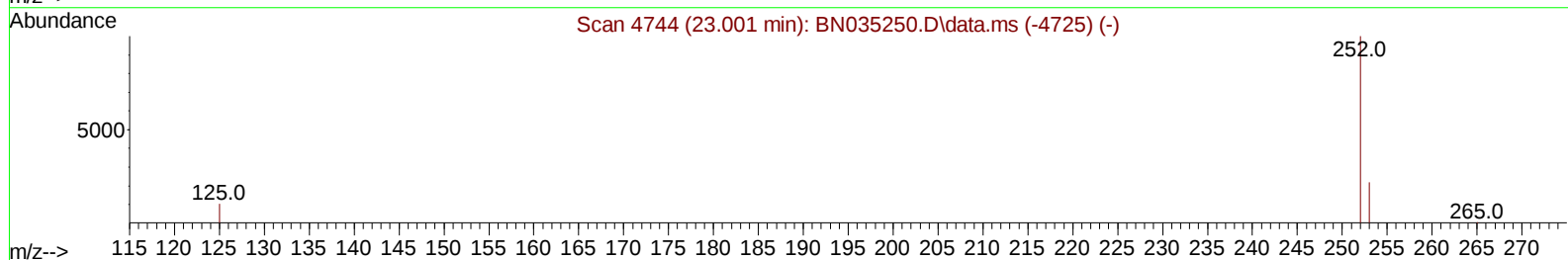
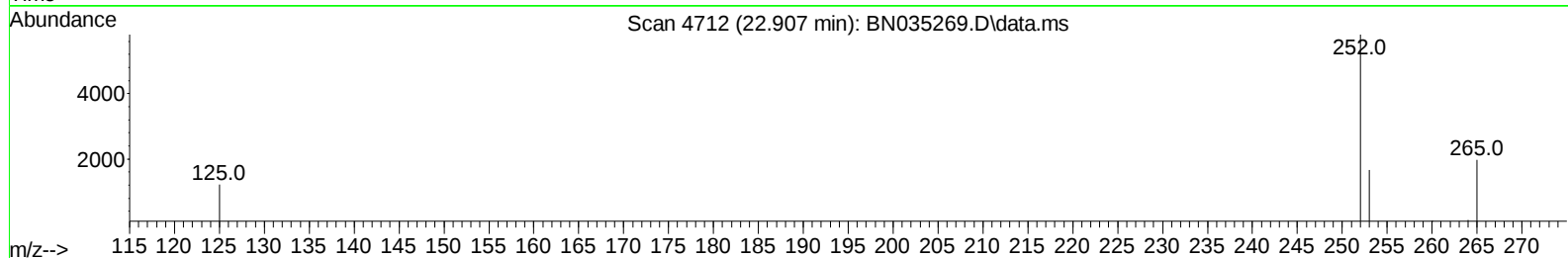
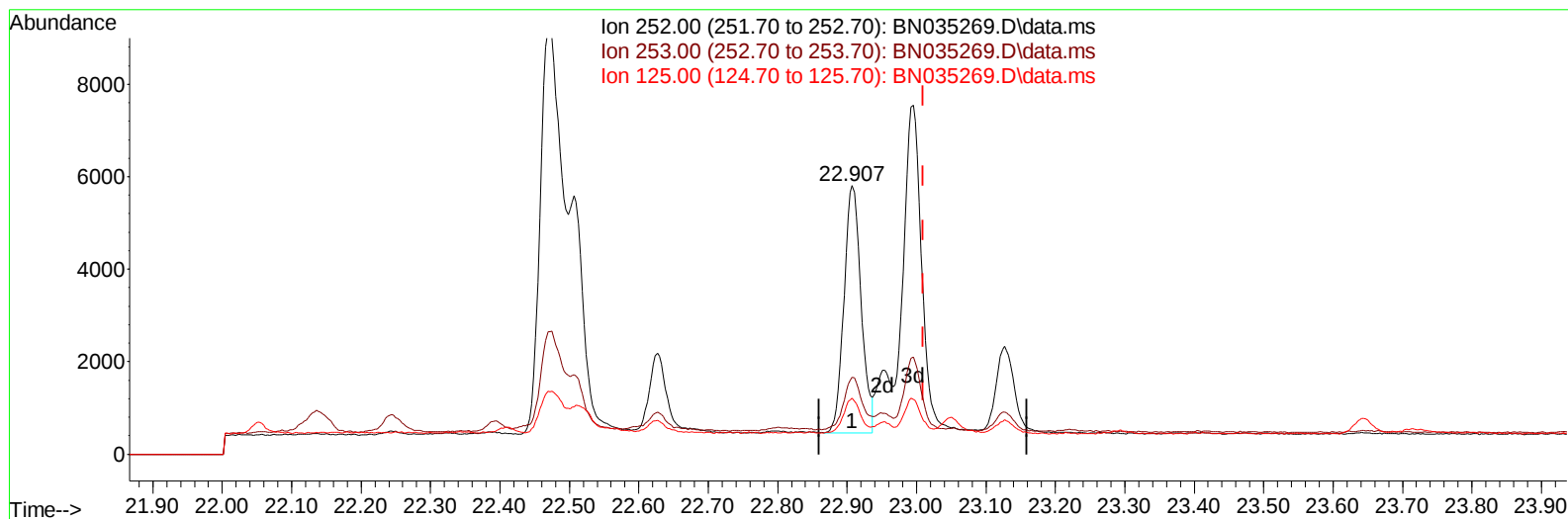
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

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

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

(26) Benzo(a)pyrene (C)

22.907min (-0.102) 0.37 ng/u1

response 9268

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	28.67
125.00	11.80	20.89#
0.00	0.00	0.00

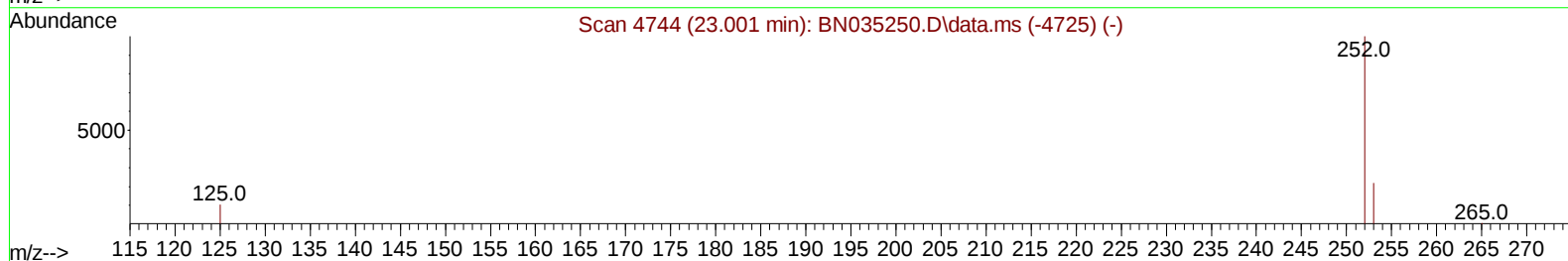
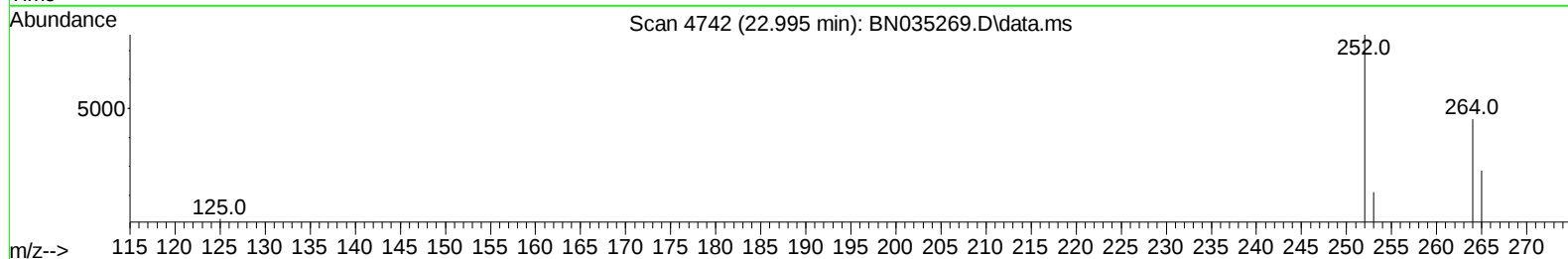
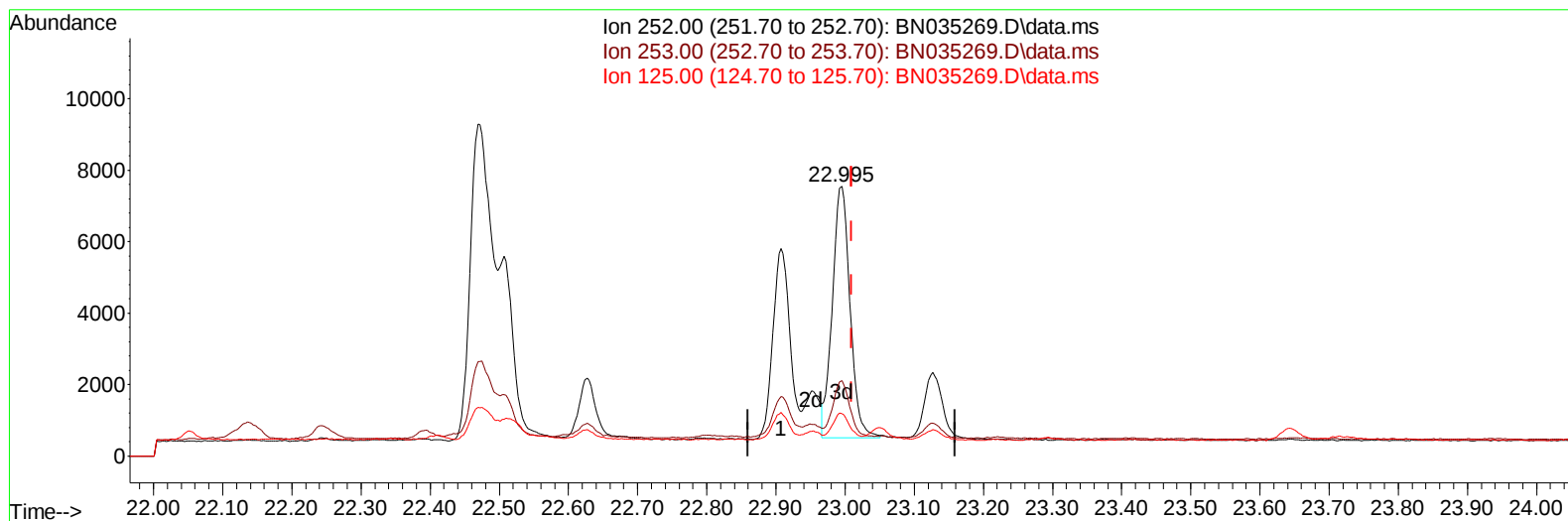
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

(26) Benzo(a)pyrene (C)

22.995min (-0.015) 0.49 ng/u1 m

response 12468

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	27.86
125.00	11.80	15.68#
0.00	0.00	0.00

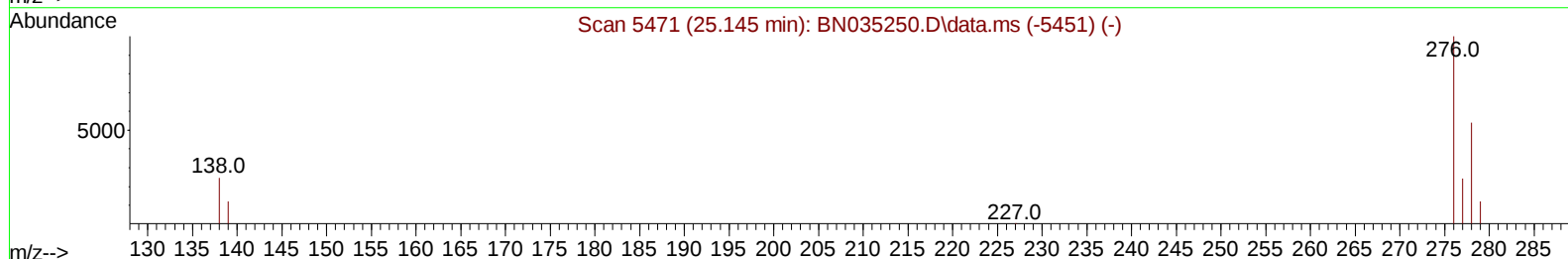
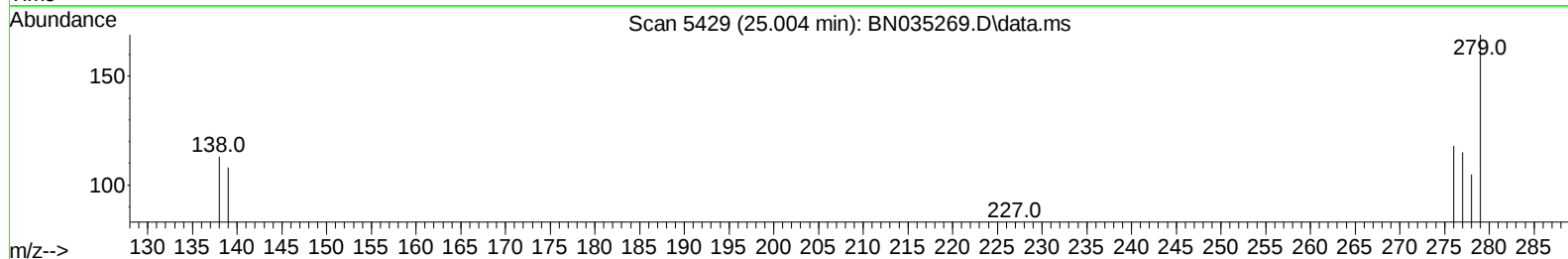
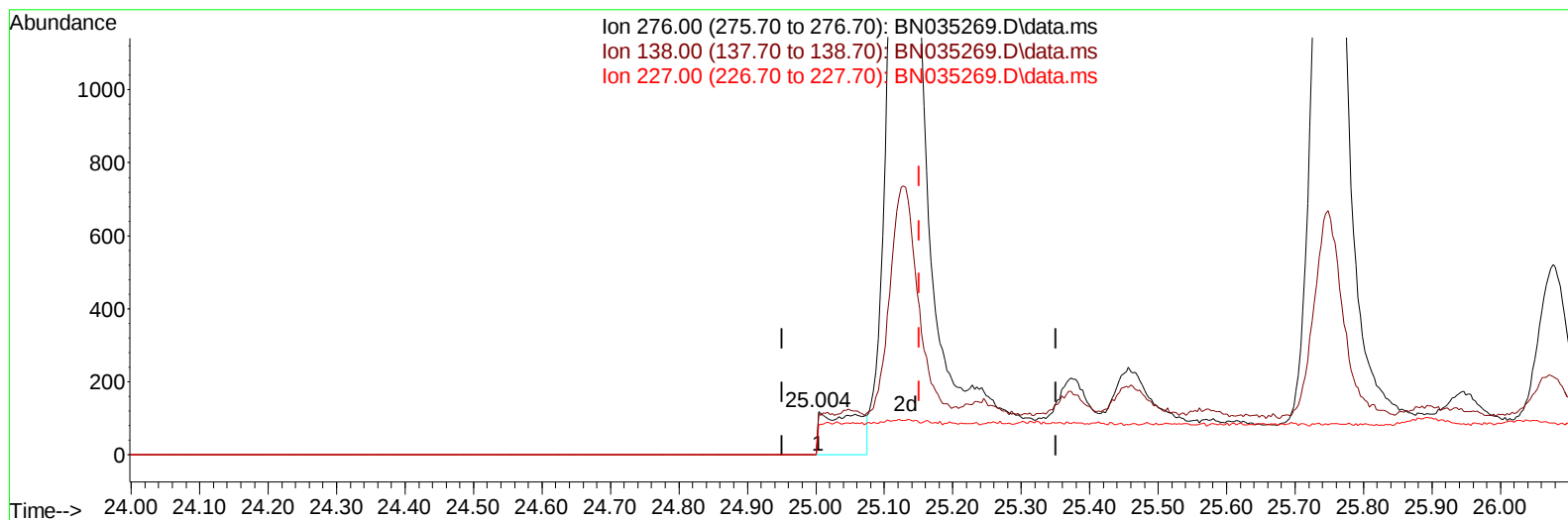
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

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

Quant Time: Nov 25 08:35:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Response via : Initial Calibration



TIC: BN035269.D\data.ms

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

25.004min (-0.147) 0.01 ng/u1

response 459

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

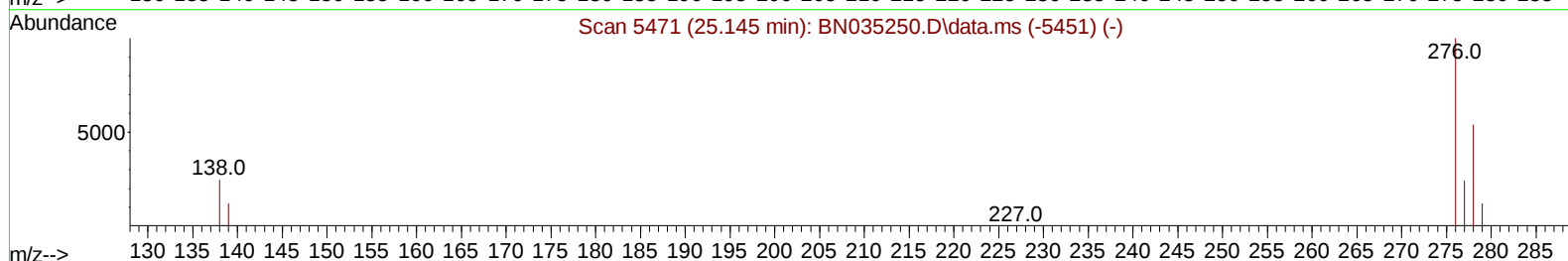
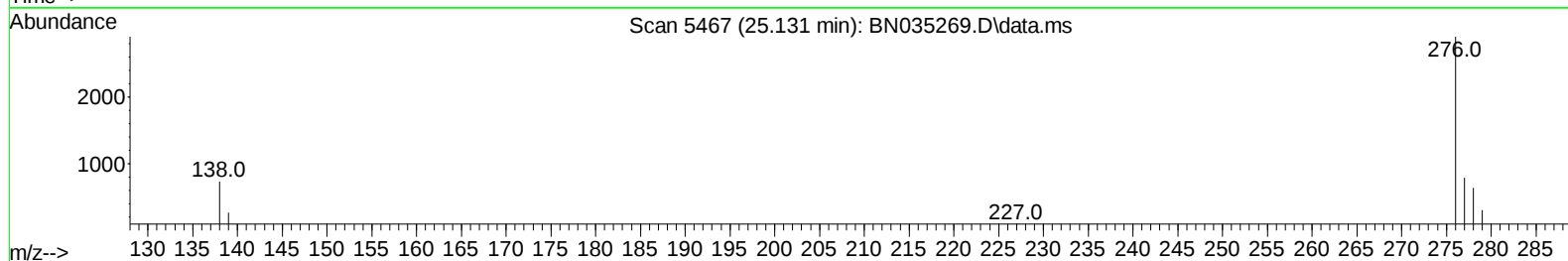
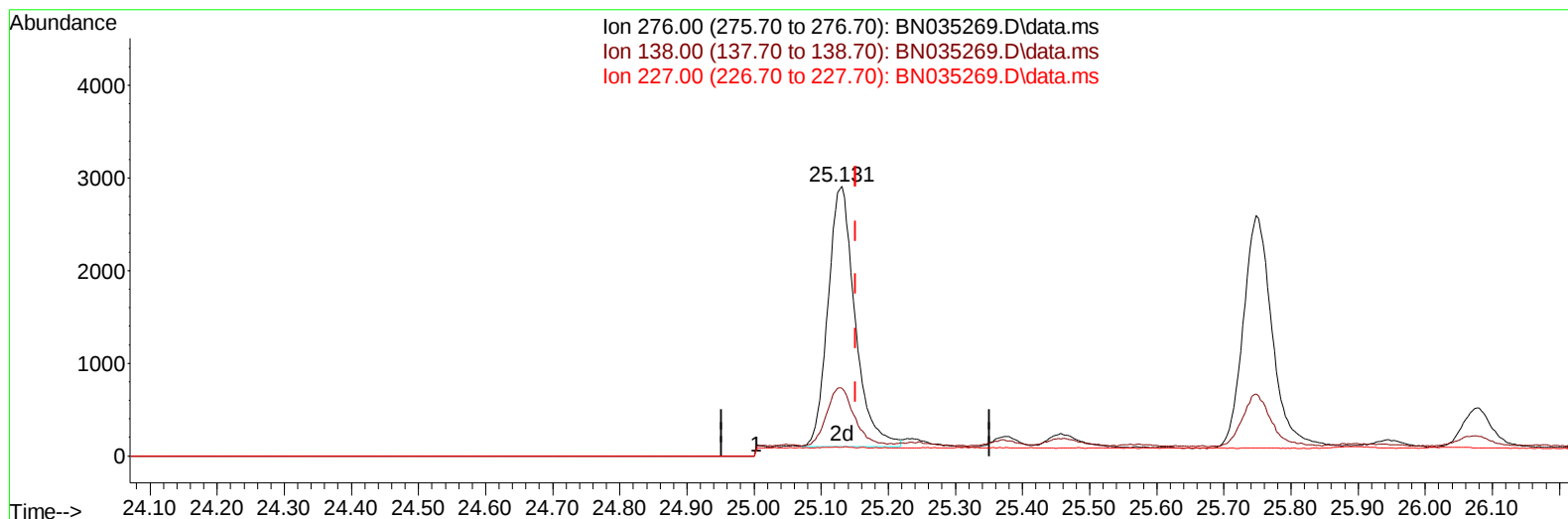
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 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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Reviewed By :Jagrut Upadhyay 11/26/2024
Supervised By :mohammad ahmed 11/27/2024



TIC: BN035269.D\data.ms

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

25.131min (-0.020) 0.23 ng/ul m

response 7879

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

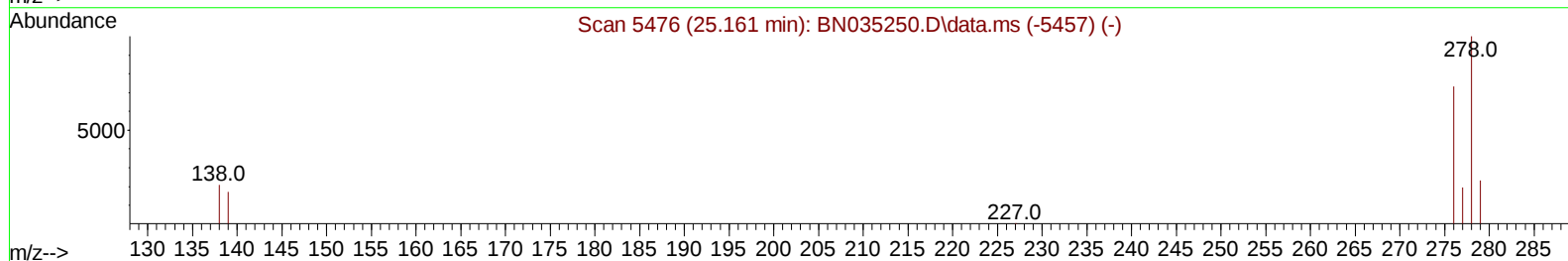
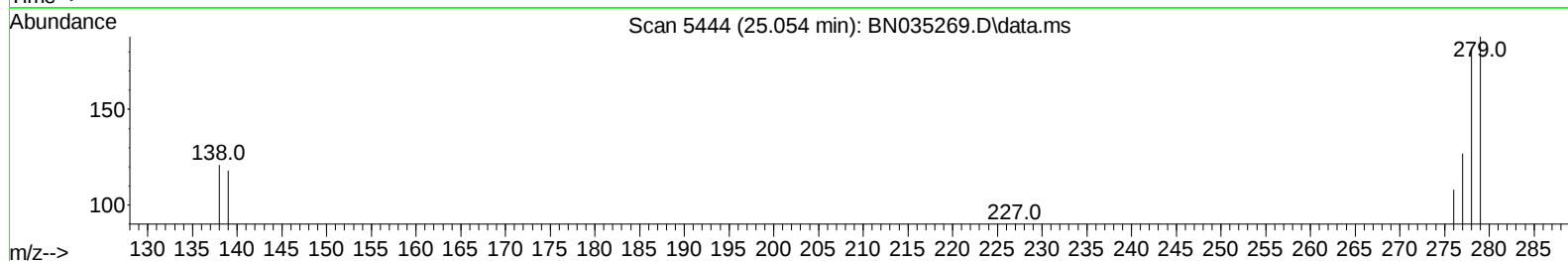
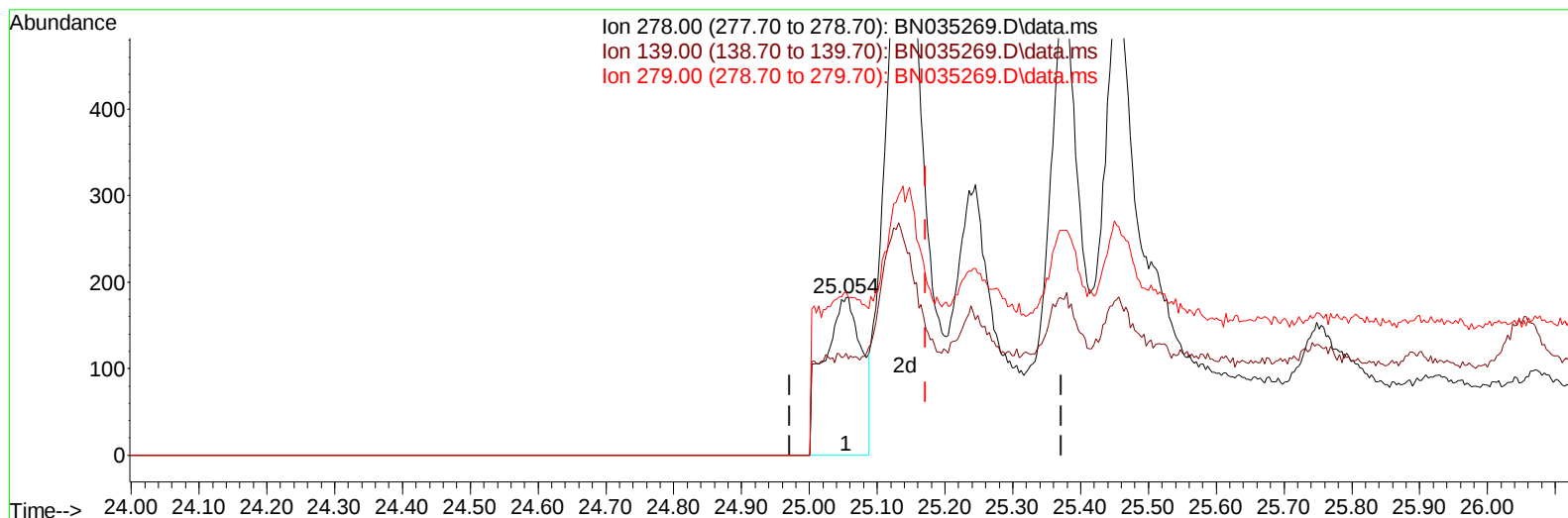
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Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

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TIC: BN035269.D\data.ms

(28) Dibenzo(a,h)anthracene

25.054min (-0.117) 0.03 ng/u1

response 702

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	64.84#
279.00	28.50	103.30#
0.00	0.00	0.00

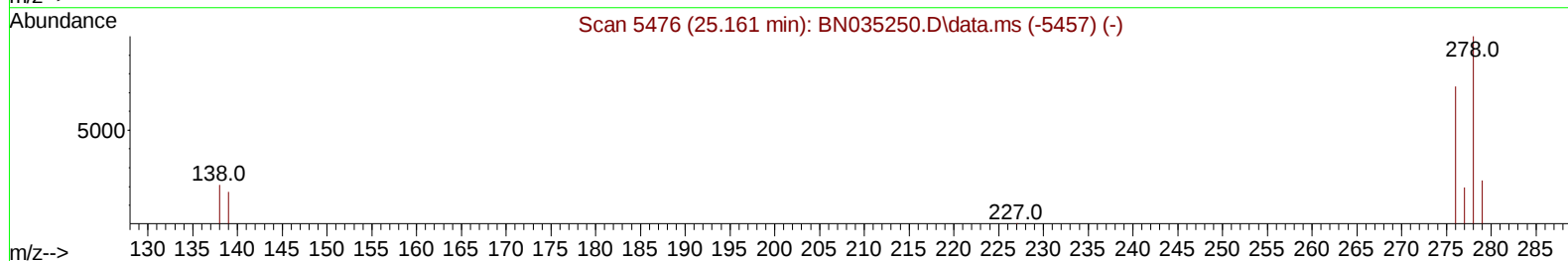
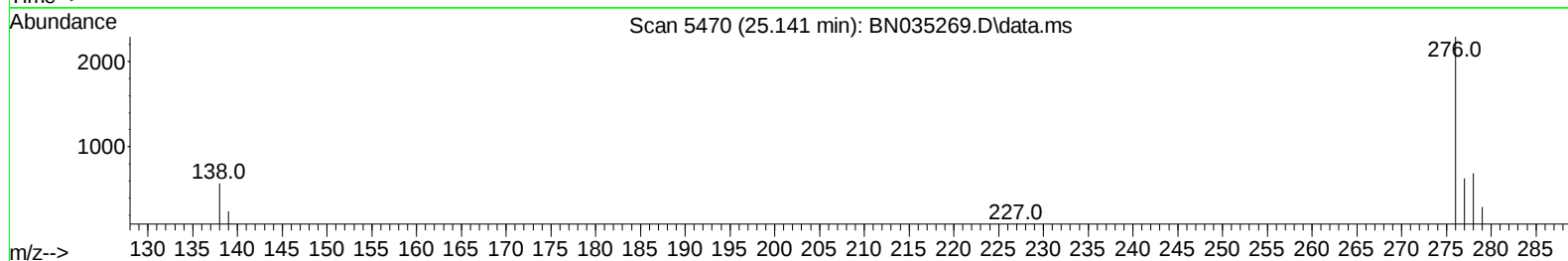
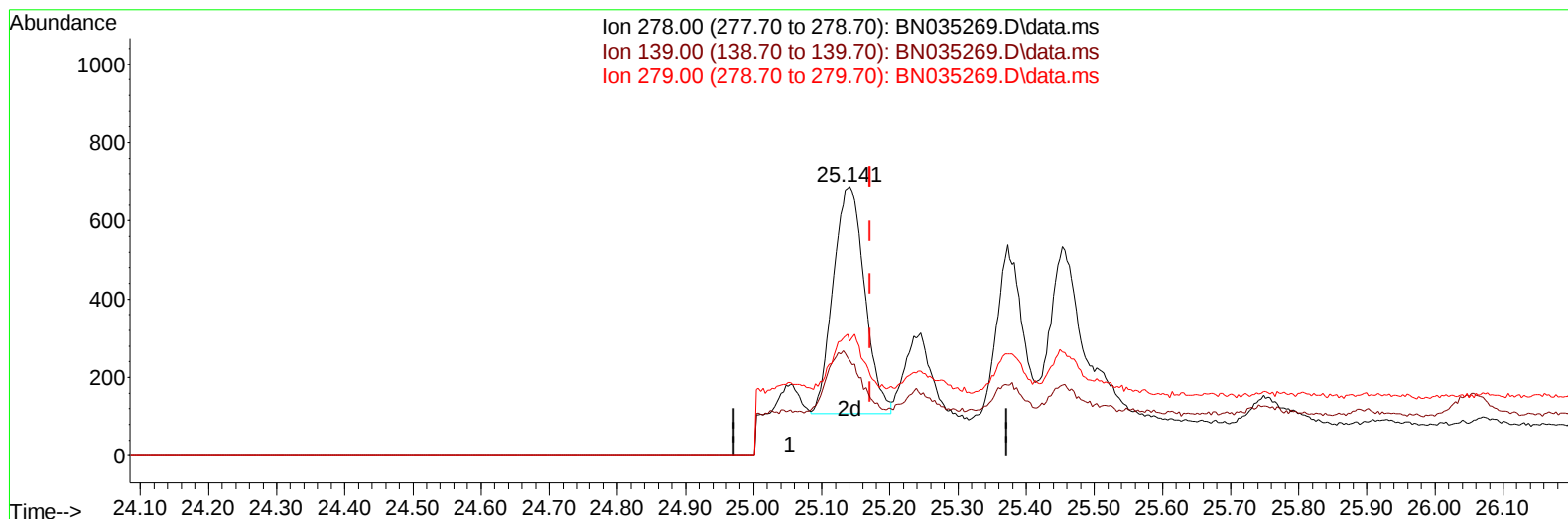
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 2024
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Response via : Initial Calibration

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



TIC: BN035269.D\data.ms

(28) Dibenzo(a,h)anthracene

25.141min (-0.030) 0.07 ng/ul m

response 1861

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	35.47#
279.00	28.50	42.44#
0.00	0.00	0.00

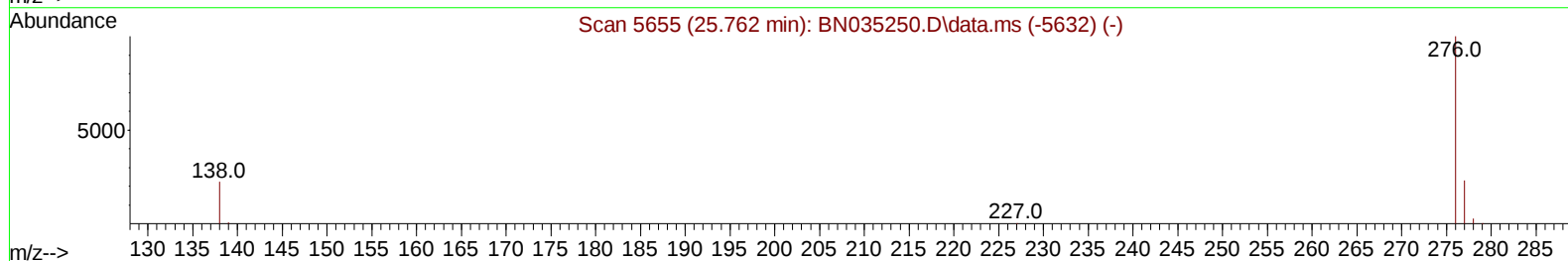
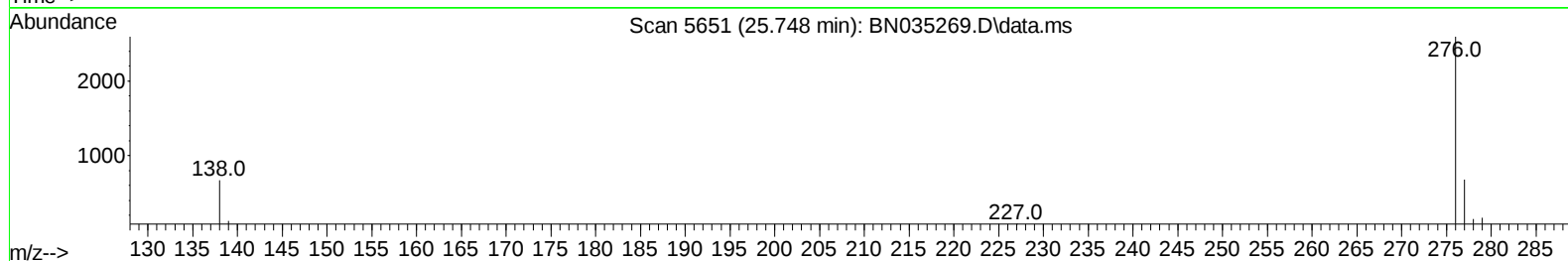
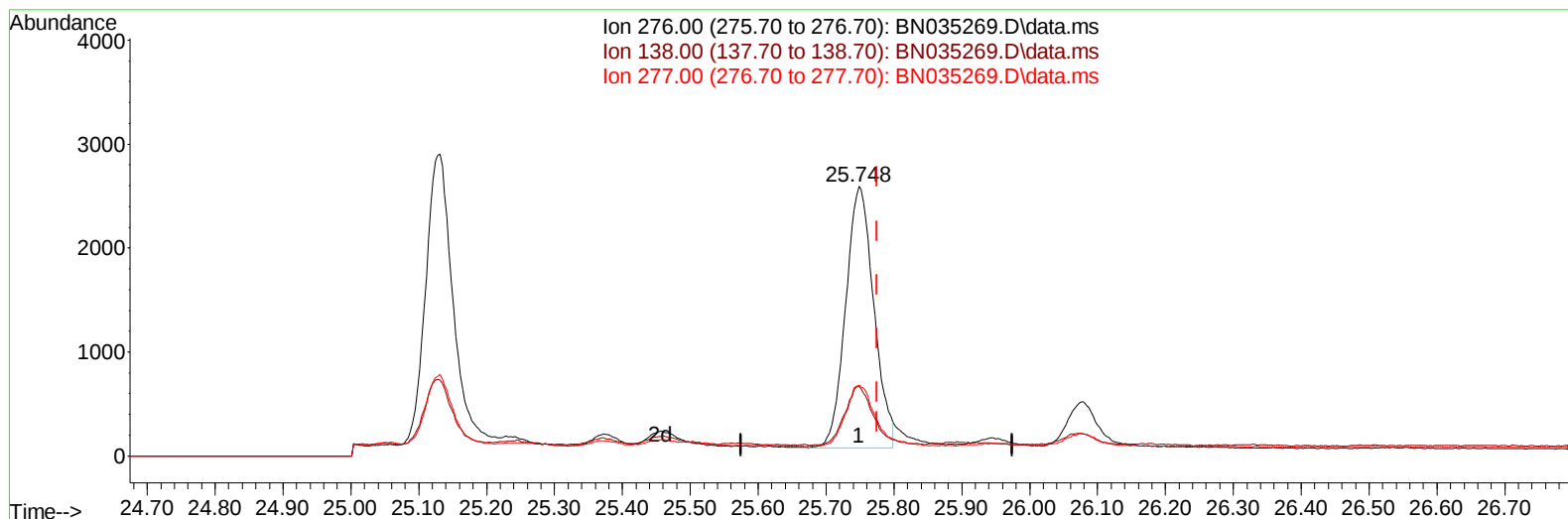
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/26/2024
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Response via : Initial Calibration



TIC: BN035269.D\data.ms

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

25.748min (-0.027) 0.27 ng/u1

response 7229

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	25.81#
277.00	25.60	26.23
0.00	0.00	0.00

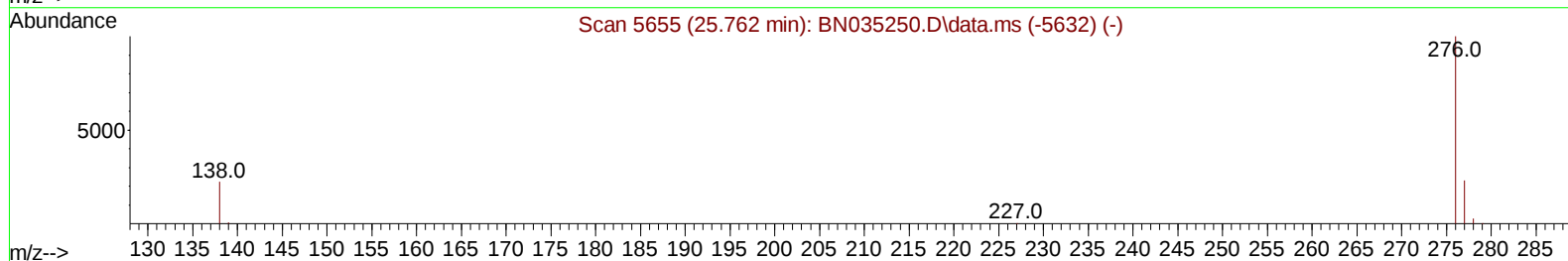
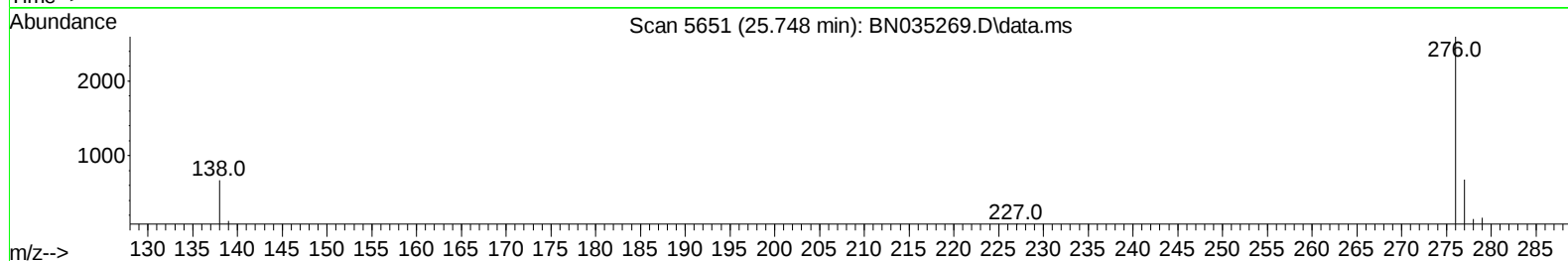
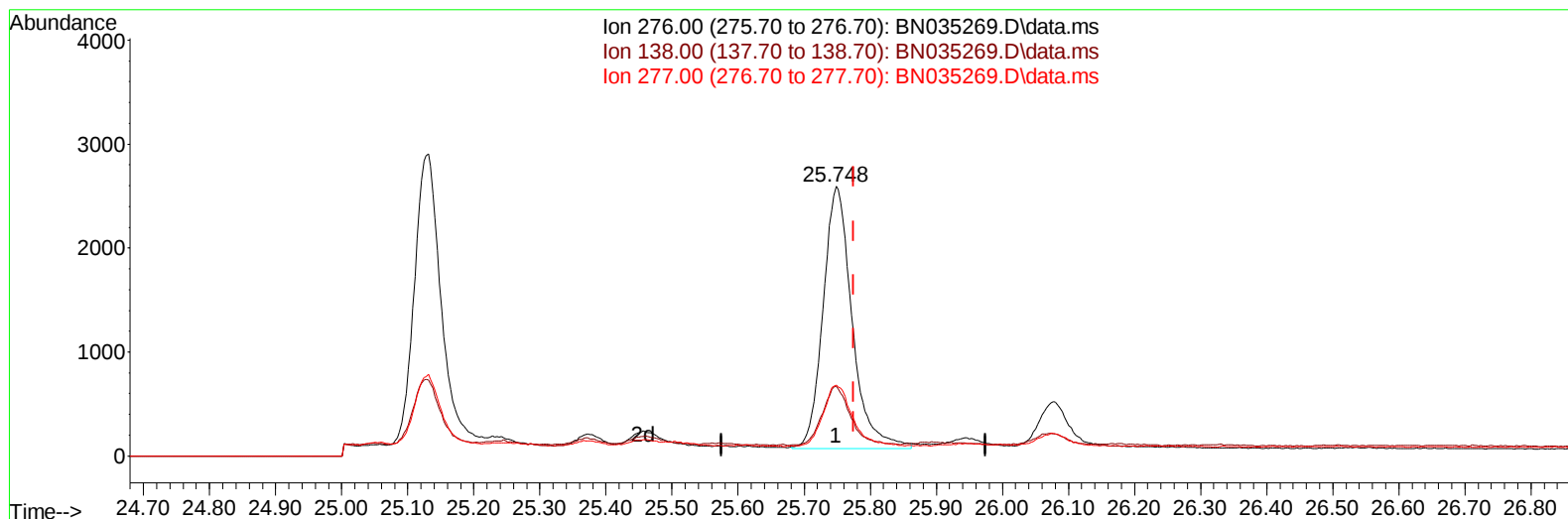
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035269.D
Acq On : 23 Nov 2024 08:47
Operator : RC/JU
Sample : P4872-15
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y2

Manual IntegrationsAPPROVED

Quant Time: Nov 25 08:35:30 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: BN035269.D\data.ms

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

25.748min (-0.027) 0.29 ng/u1 m

response 7682

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	25.81#
277.00	25.60	26.23
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035269.D
 Acq On : 23 Nov 2024 08:47
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 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.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.318	152	3878	0.400	ng/ul	0.00
4) Naphthalene-d8	10.064	136	10251	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.977	164	6667	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.743	188	15324	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.985	240	10606	0.400	ng/ul	# 0.00
23) Perylene-d12	23.083	264	8362m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.976	96	8080	2.280	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.670	152	3116	0.207	ng/ul	0.00
18) Fluoranthene-d10	18.795	212	9515	0.325	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.113	128	1231	0.048	ng/ul#	86
7) 2-Methylnaphthalene	11.747	142	562	0.031	ng/ul	92
8) 1-Methylnaphthalene	11.972	142	533	0.029	ng/ul	92
10) Acenaphthylene	13.690	152	3823	0.145	ng/ul	94
11) Acenaphthene	14.041	153	522	0.026	ng/ul#	92
12) Fluorene	15.041	166	1674	0.070	ng/ul#	91
15) Phenanthrene	16.785	178	22650	0.559	ng/ul	99
16) Anthracene	16.878	178	5109	0.136	ng/ul#	95
19) Fluoranthene	18.823	202	43953	1.190	ng/ul#	93
20) Pyrene	19.195	202	36965	0.962	ng/ul#	93
21) Benzo(a)anthracene	20.970	228	17426	0.474	ng/ul	94
22) Chrysene	21.020	228	18307	0.494	ng/ul	98
24) Benzo(b)fluoranthene	22.469	252	19236m	0.696	ng/ul	
25) Benzo(k)fluoranthene	22.507	252	7055m	0.248	ng/ul	
26) Benzo(a)pyrene	22.995	252	12468m	0.494	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.131	276	7879m	0.231	ng/ul	
28) Dibenzo(a,h)anthracene	25.141	278	1861m	0.070	ng/ul	
29) Benzo(g,h,i)perylene	25.748	276	7682m	0.286	ng/ul	

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

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