

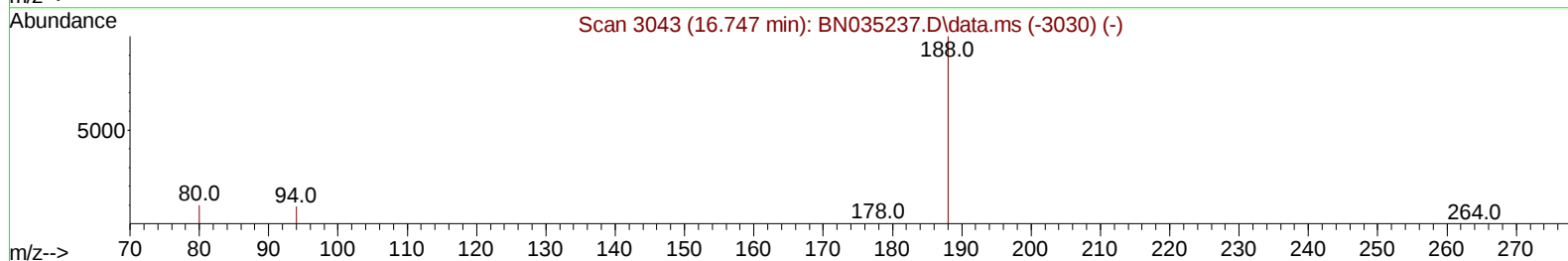
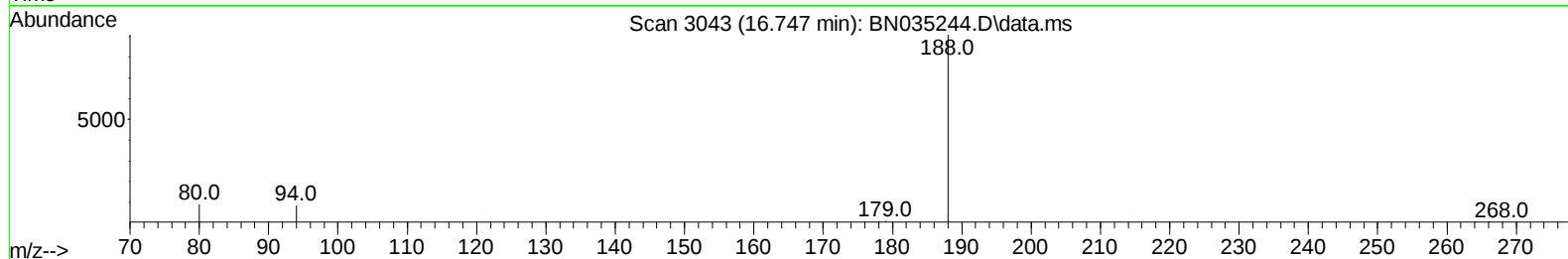
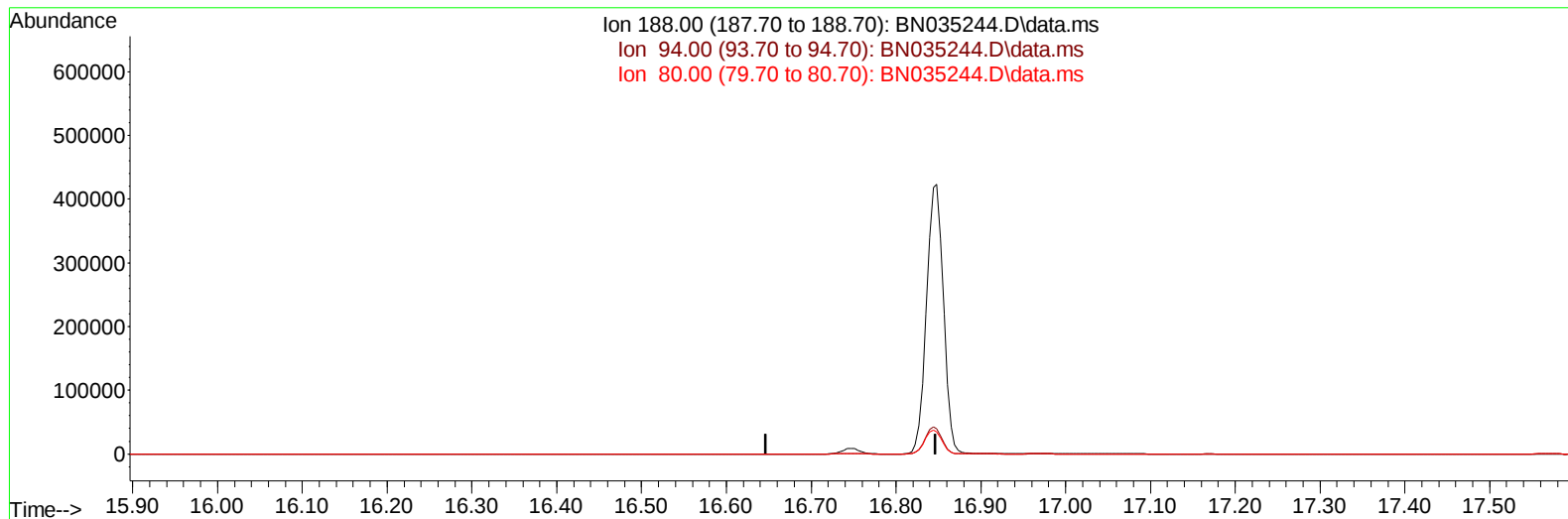
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 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: BN035244.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

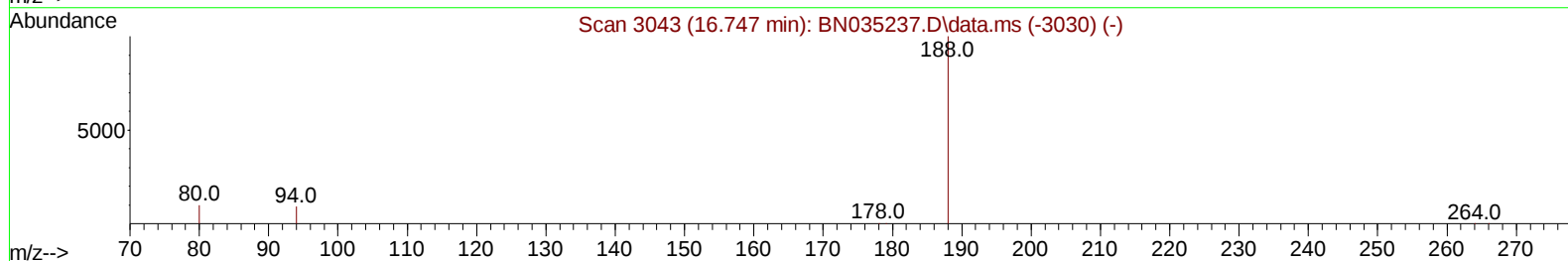
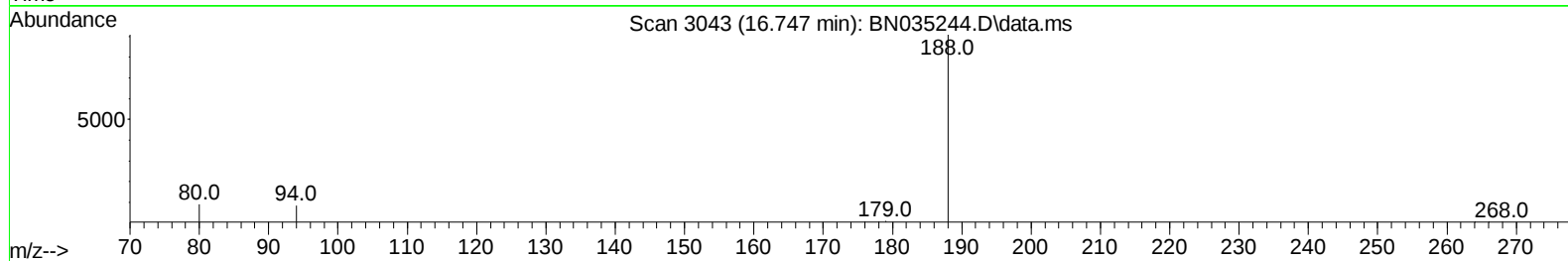
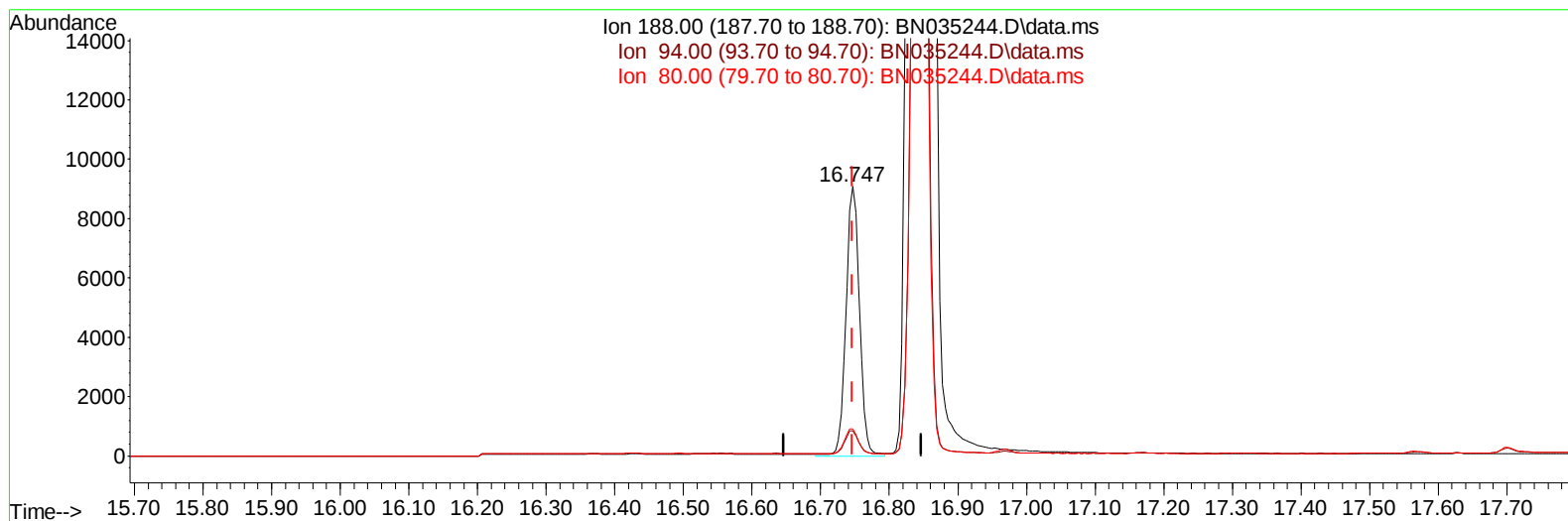
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 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: BN035244.D\data.ms

(13) Phenanthrene-d10 (I)

16.747min (-0.000) 0.40 ng/ul m

response 12375

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	9.35#
80.00	7.60	9.93#
0.00	0.00	0.00

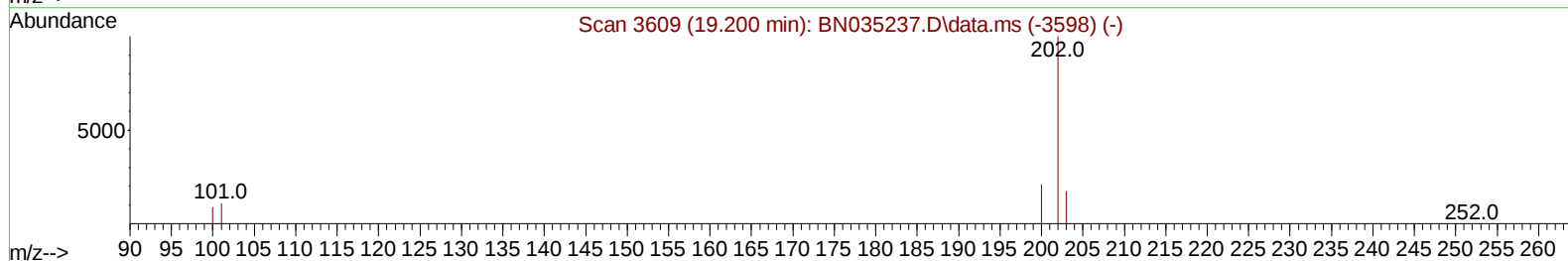
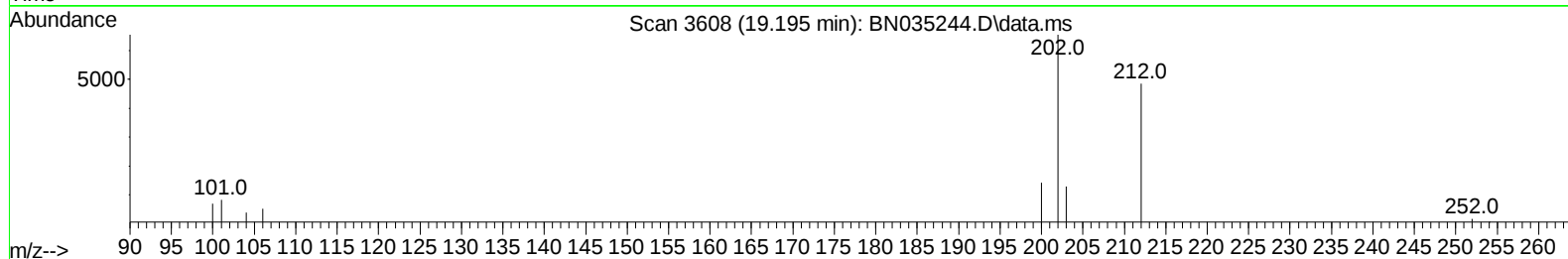
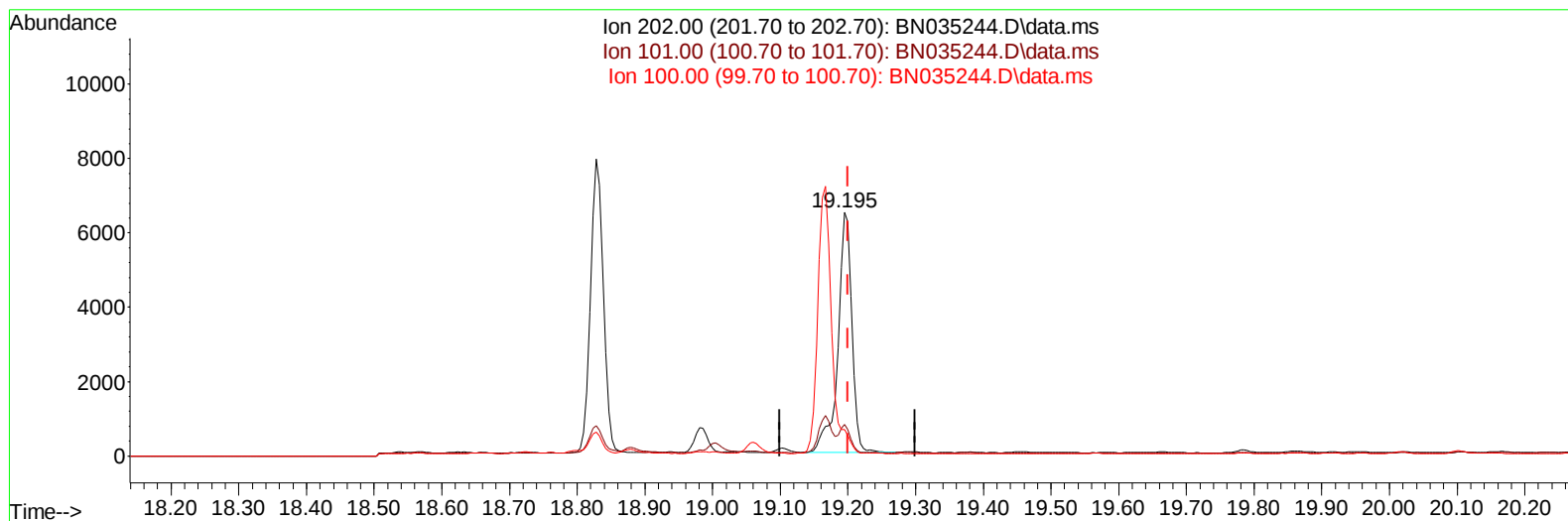
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035244.D\data.ms

(20) Pyrene

19.195min (-0.005) 0.33 ng/u1

response 9200

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	12.89#
100.00	6.40	10.86#
0.00	0.00	0.00

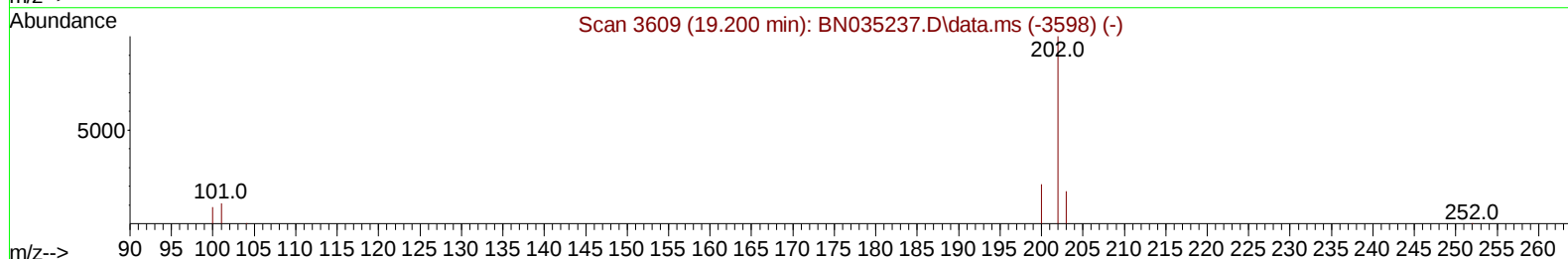
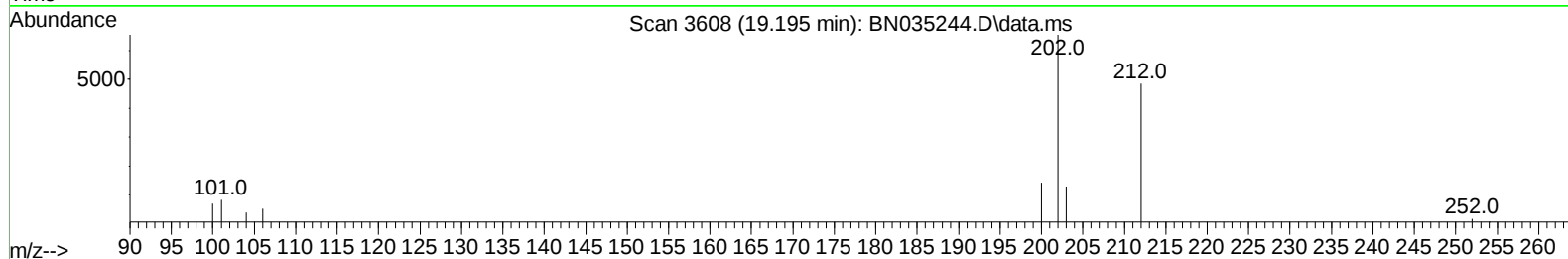
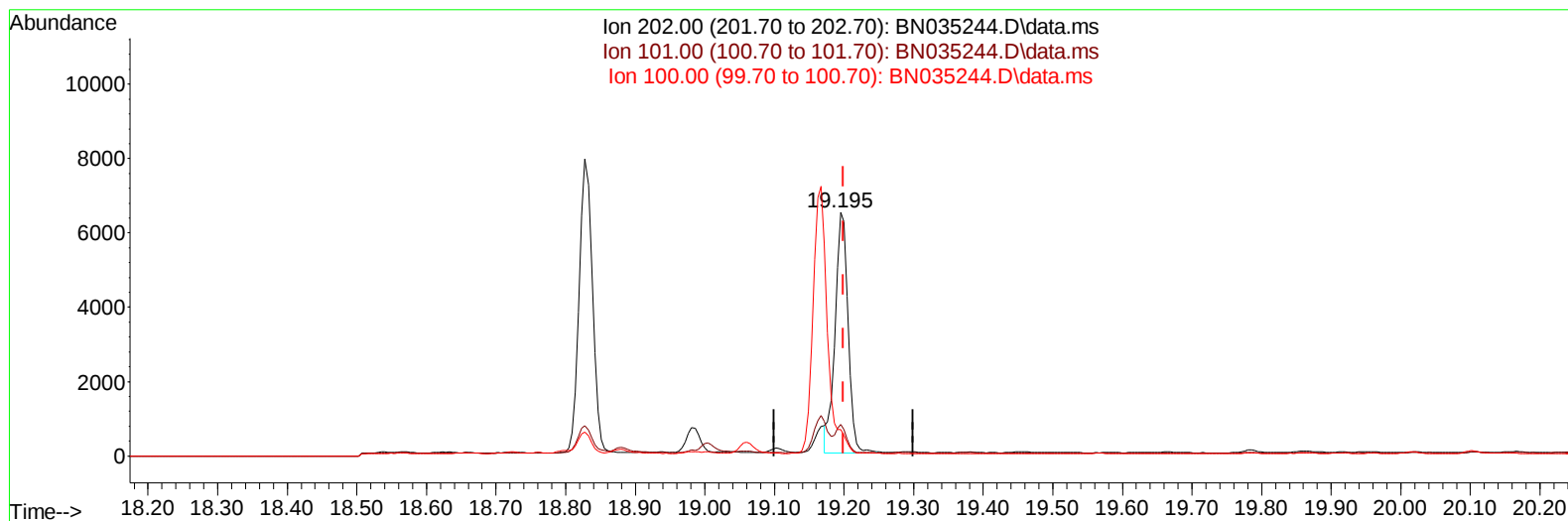
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035244.D\data.ms

(20) Pyrene

19.195min (-0.005) 0.30 ng/ul m

response 8488

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	12.89#
100.00	6.40	10.86#
0.00	0.00	0.00

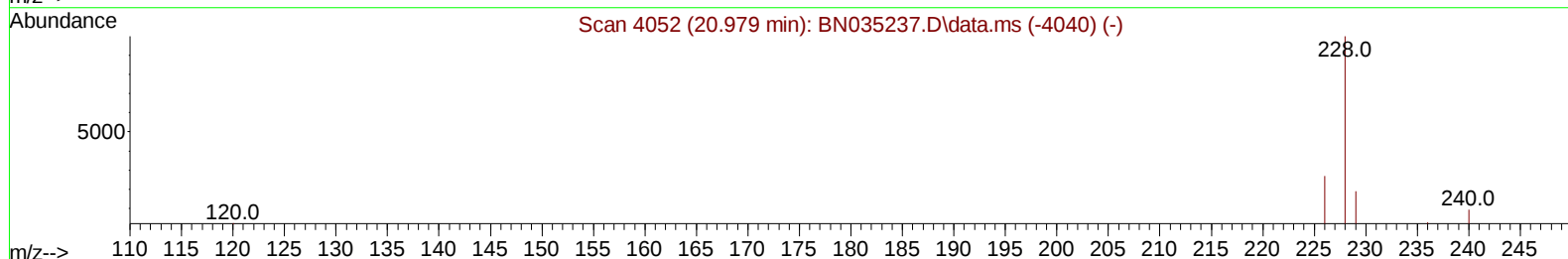
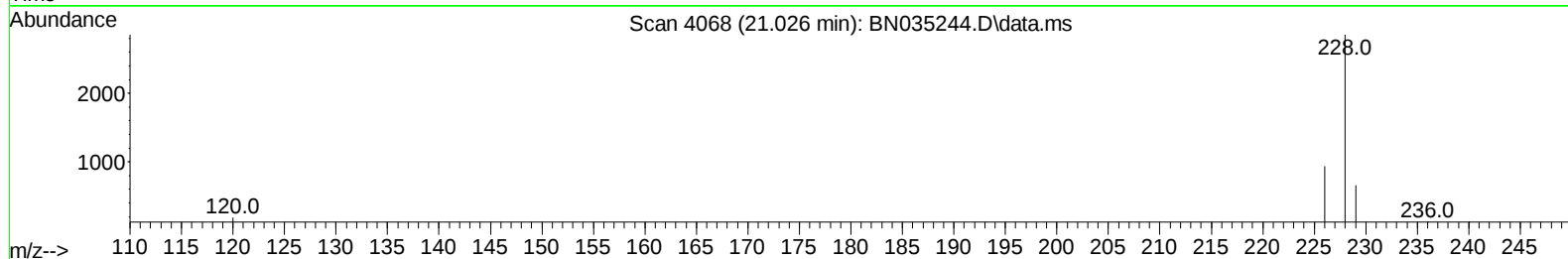
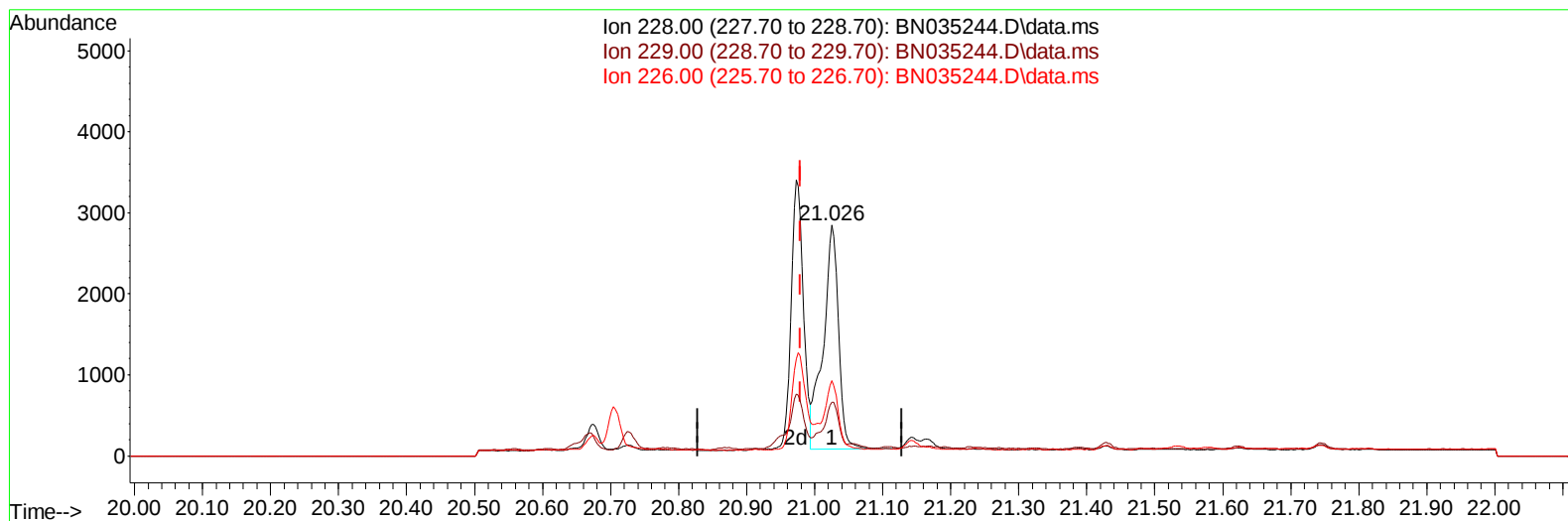
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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TIC: BN035244.D\data.ms

(21) Benzo(a)anthracene

21.026min (+ 0.047) 0.16 ng/u1

response 4350

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	23.10
226.00	27.30	32.70
0.00	0.00	0.00

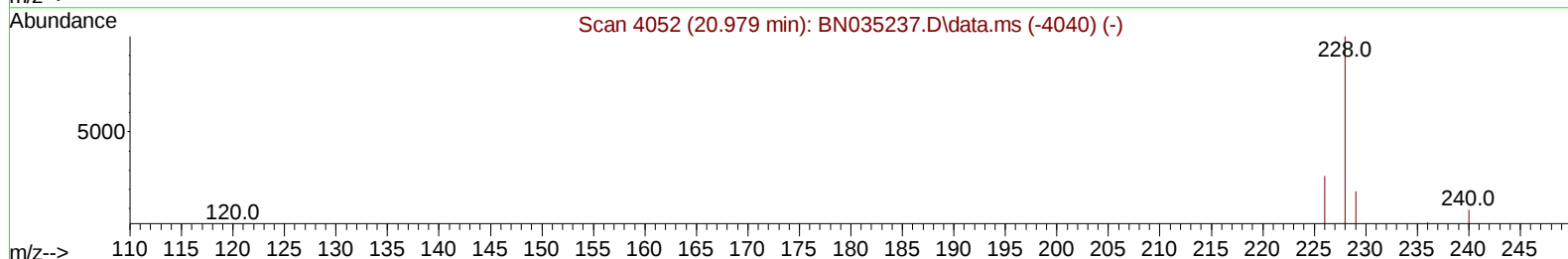
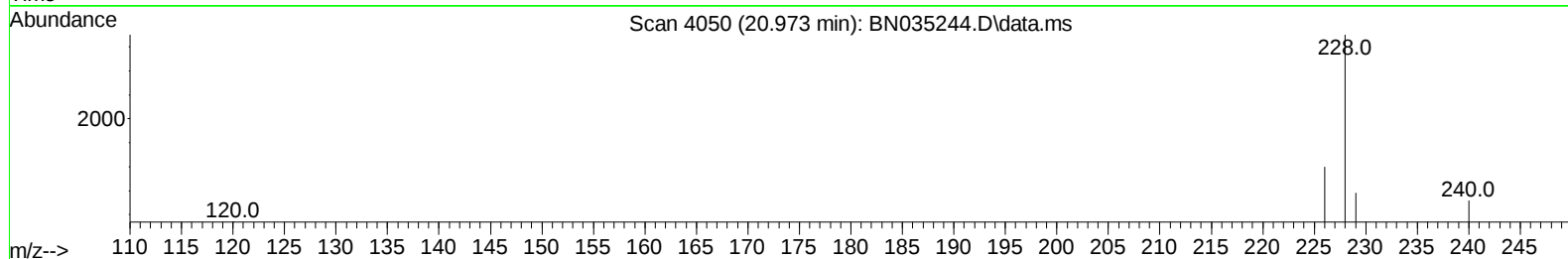
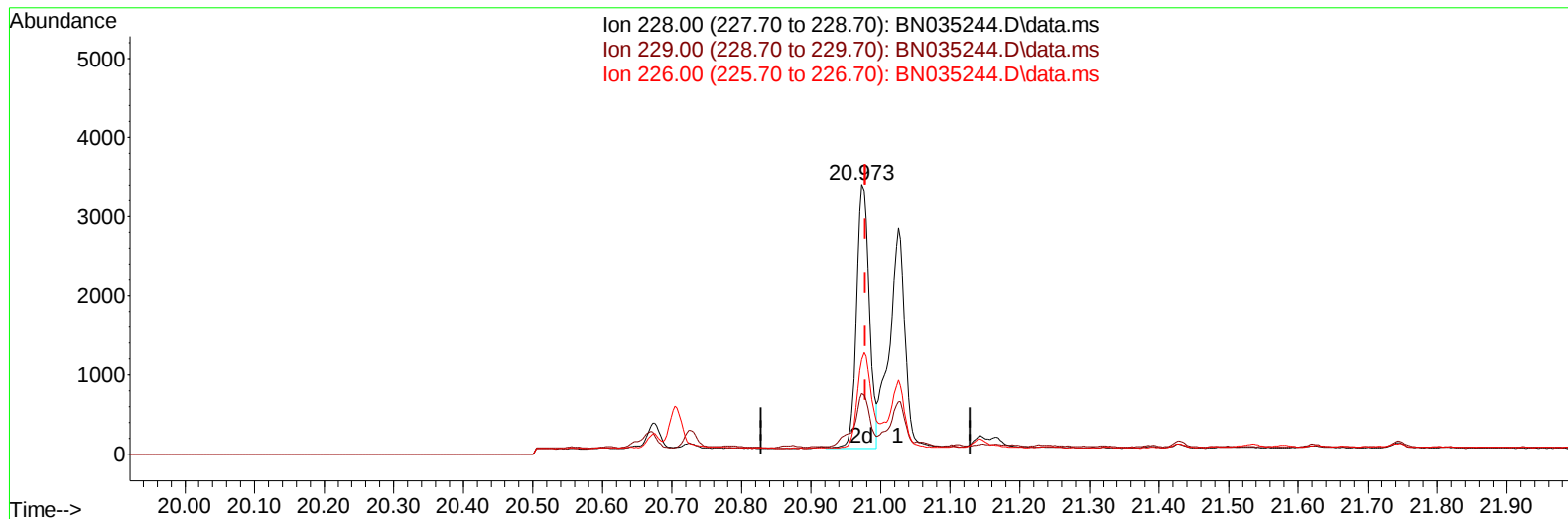
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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

Quant Time: Nov 22 18:01:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Response via : Initial Calibration



TIC: BN035244.D\data.ms

(21) Benzo(a)anthracene

20.973min (-0.006) 0.16 ng/u1 m

response 4294

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	22.50
226.00	27.30	35.12#
0.00	0.00	0.00

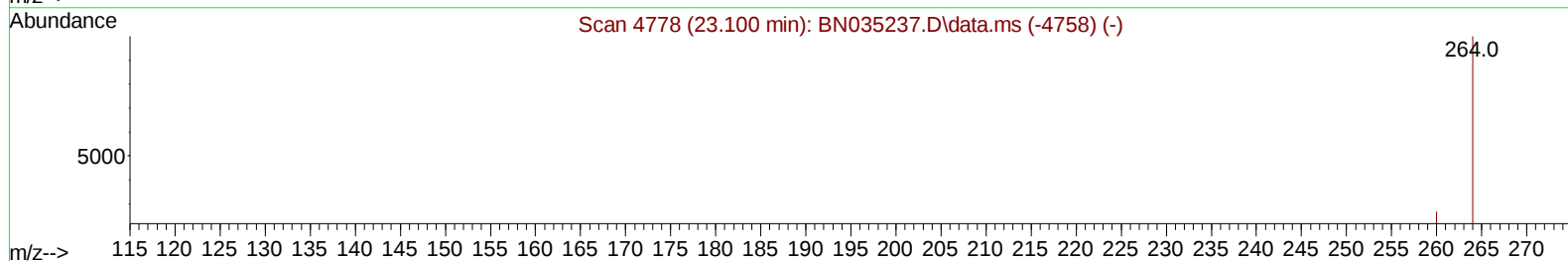
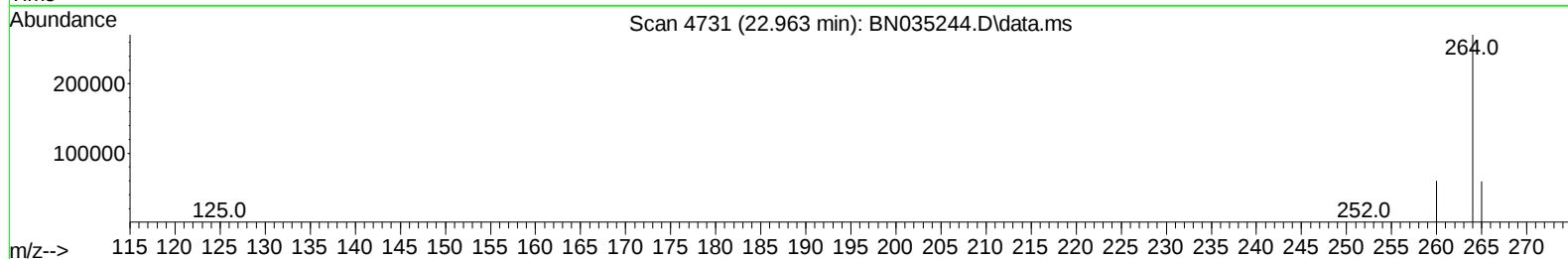
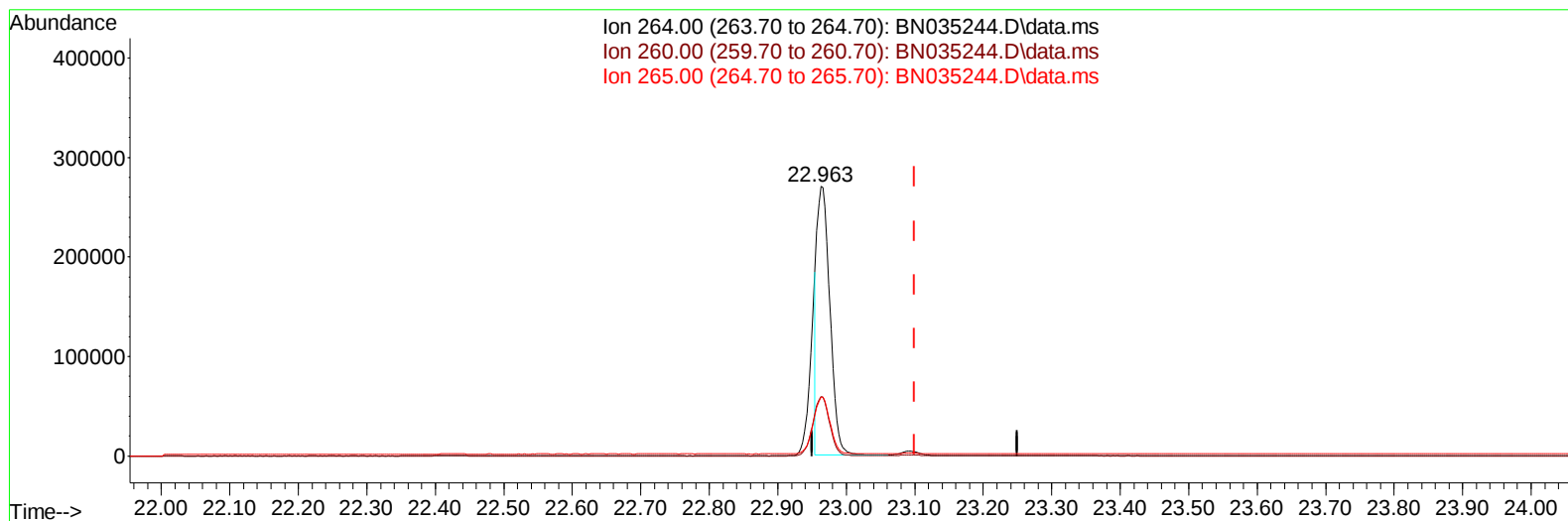
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035244.D\data.ms

(23) Perylene-d12 (I)

22.963min (-0.137) 0.40 ng/u1

response 355125

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	22.09
265.00	75.50	21.82#
0.00	0.00	0.00

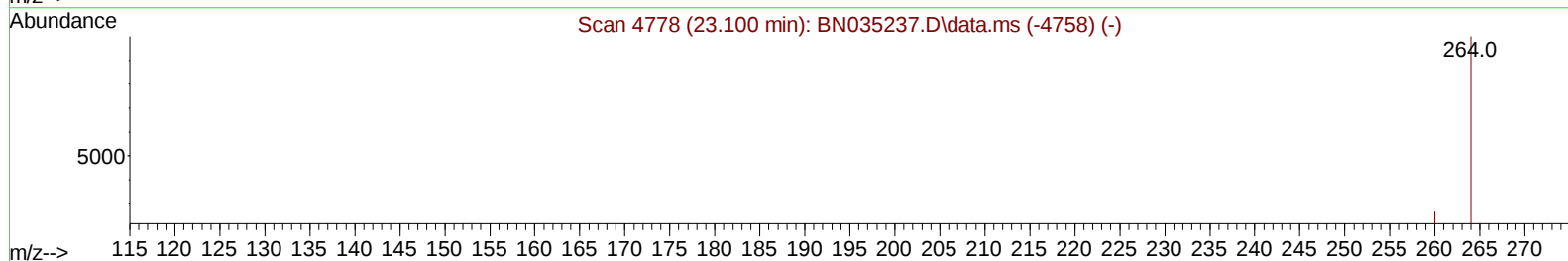
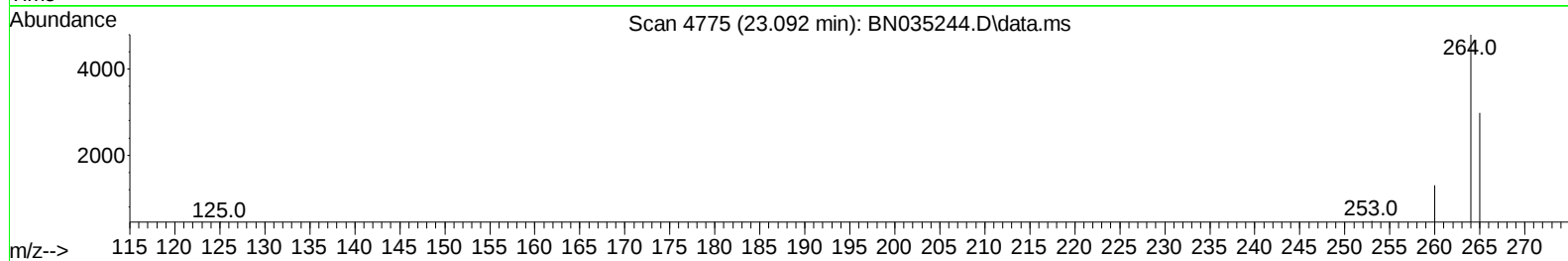
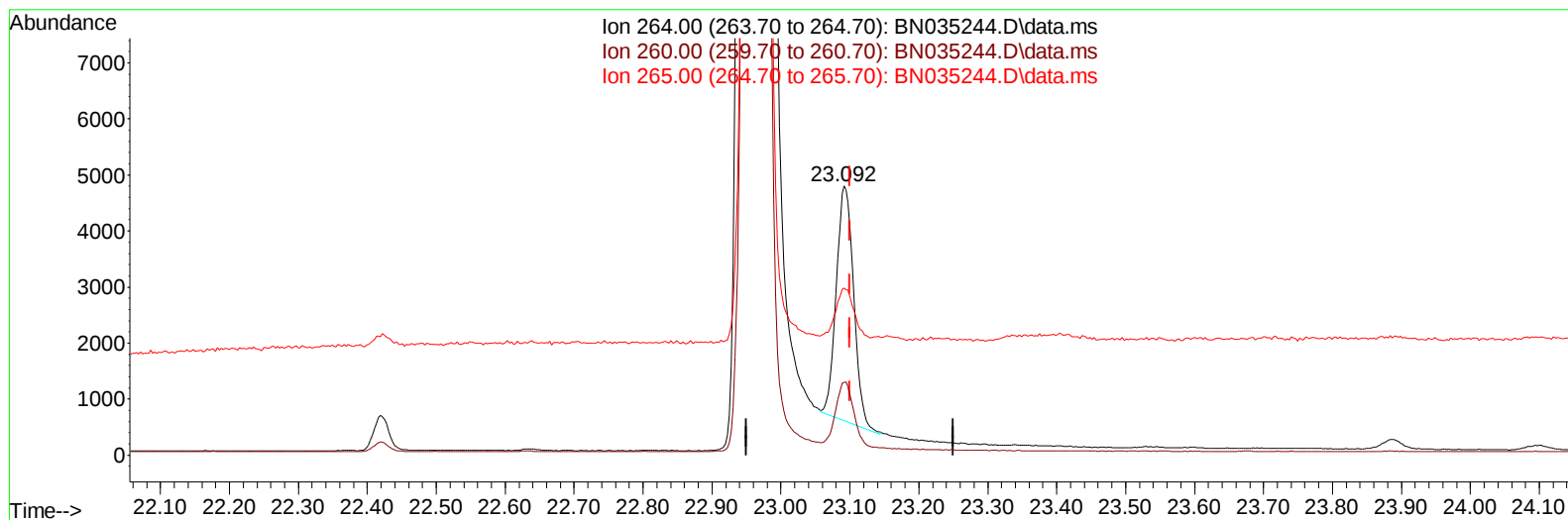
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 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

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TIC: BN035244.D\data.ms

(23) Perylene-d12 (I)

23.092min (-0.009) 0.40 ng/ul m

response 7318

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	27.08
265.00	75.50	62.24
0.00	0.00	0.00

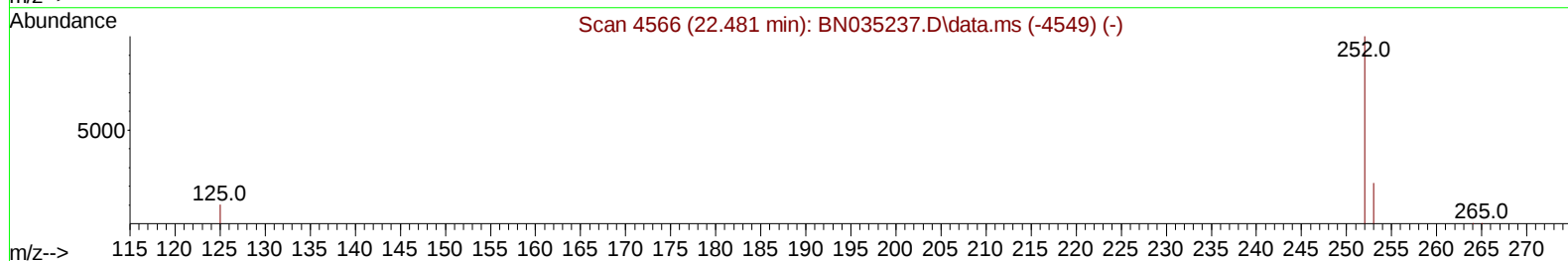
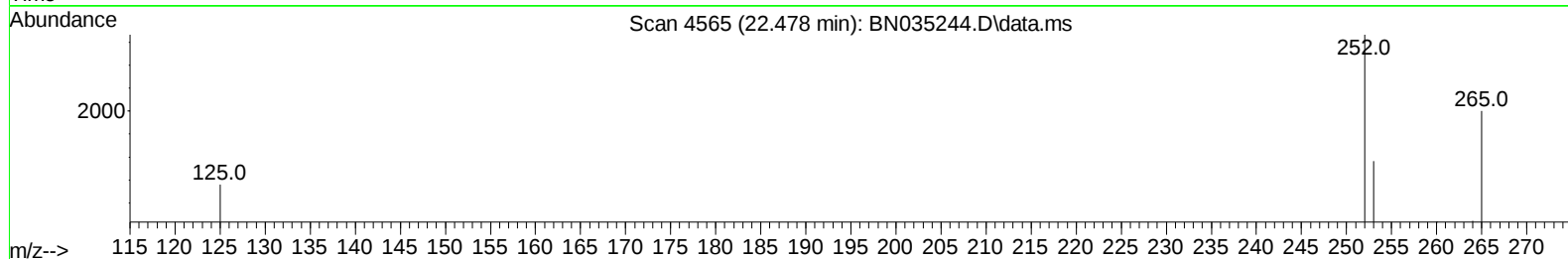
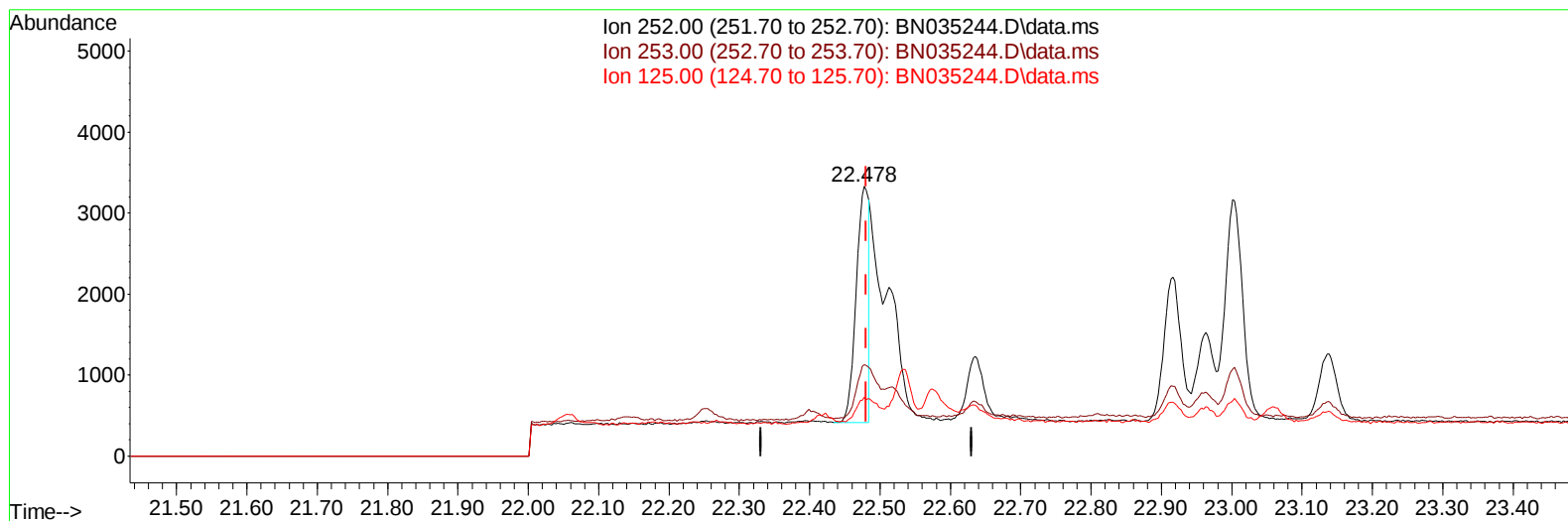
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
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TIC: BN035244.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.003) 0.15 ng/u1

response 3566

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	33.76
125.00	9.70	21.75#
0.00	0.00	0.00

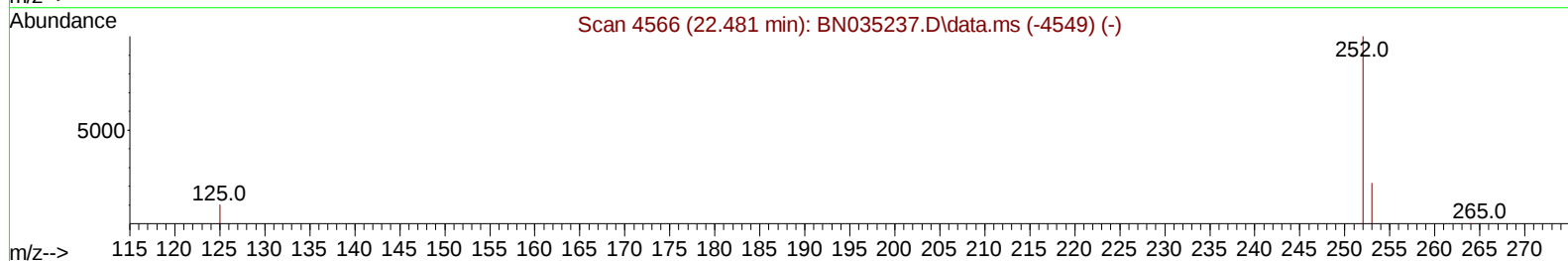
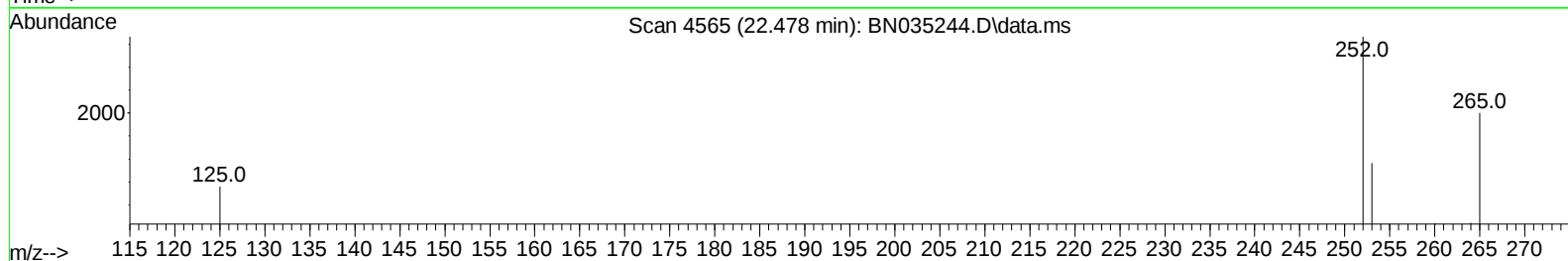
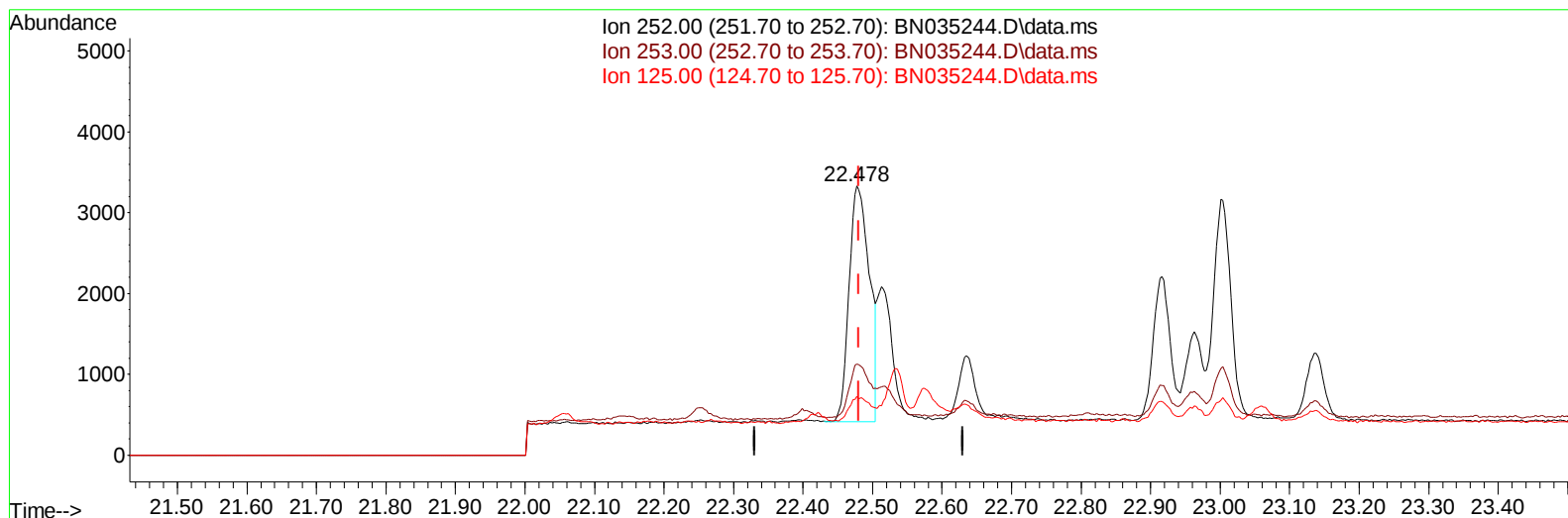
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
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TIC: BN035244.D\data.ms

(24) Benzo(b)fluoranthene

22.478min (-0.003) 0.25 ng/u1 m

response 5941

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	33.76
125.00	9.70	21.75#
0.00	0.00	0.00

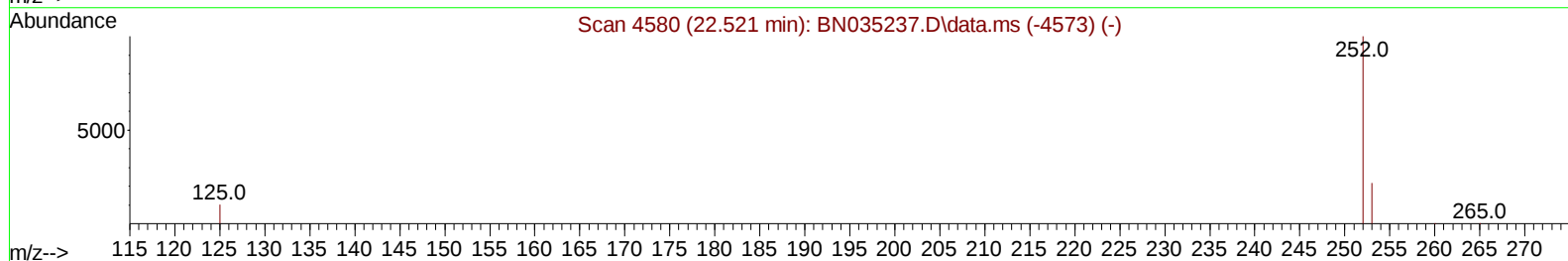
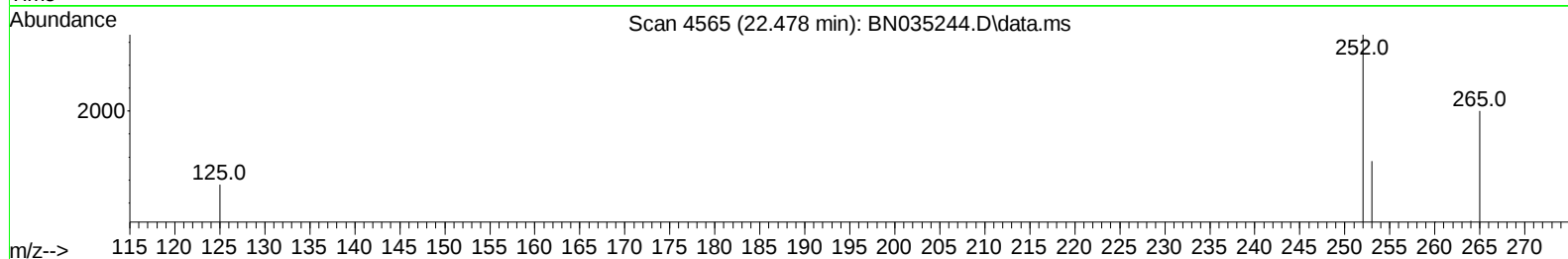
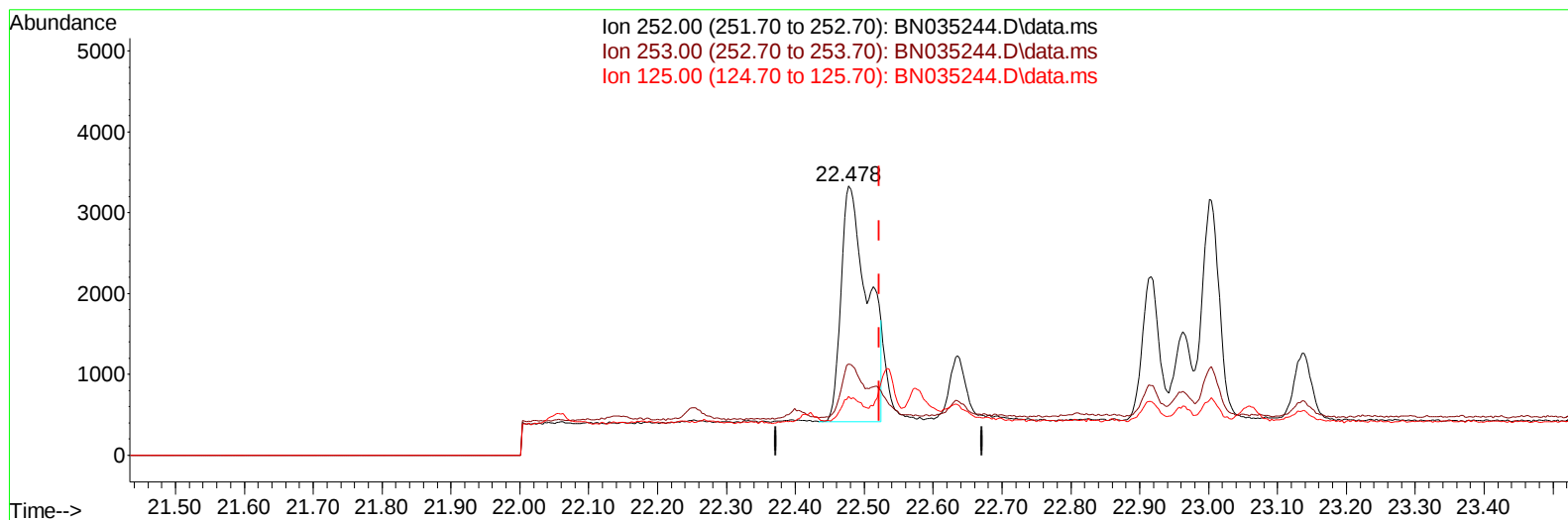
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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TIC: BN035244.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.044) 0.31 ng/u1

response 7838

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	33.76#
125.00	10.70	21.75#
0.00	0.00	0.00

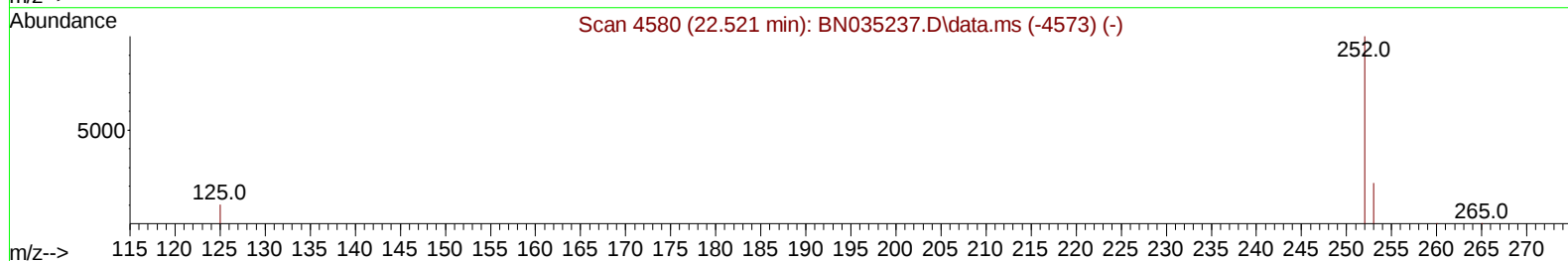
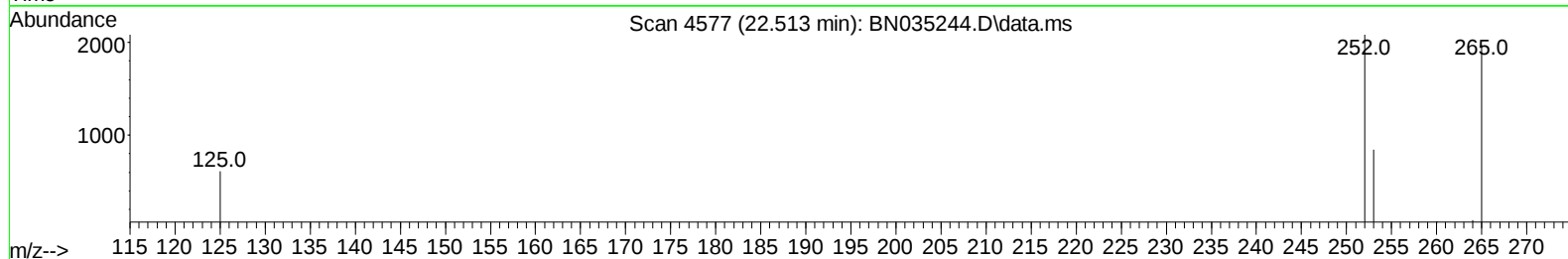
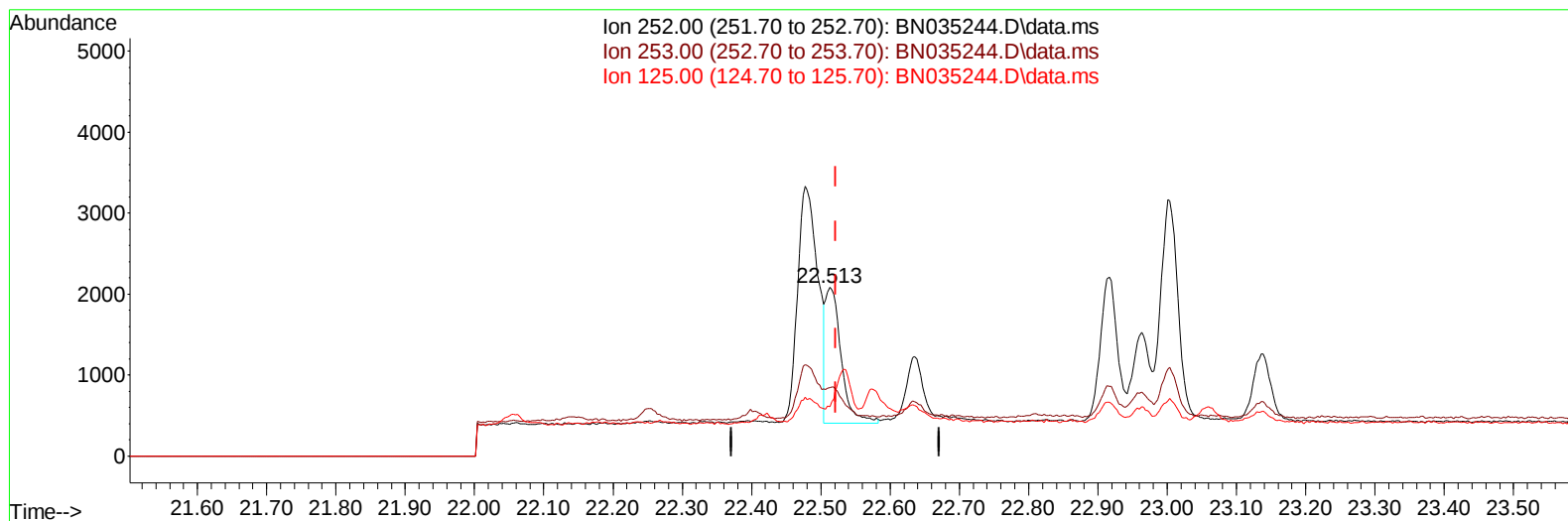
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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



TIC: BN035244.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.009) 0.11 ng/u1 m

response 2663

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	40.42#
125.00	10.70	29.19#
0.00	0.00	0.00

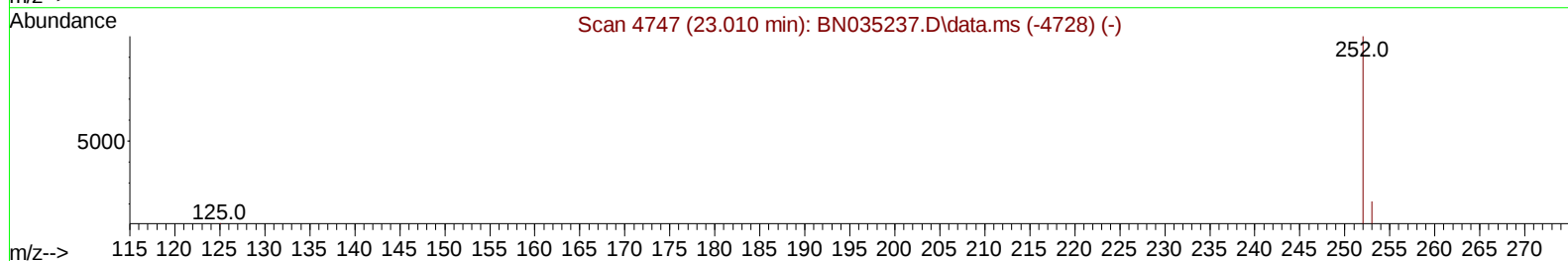
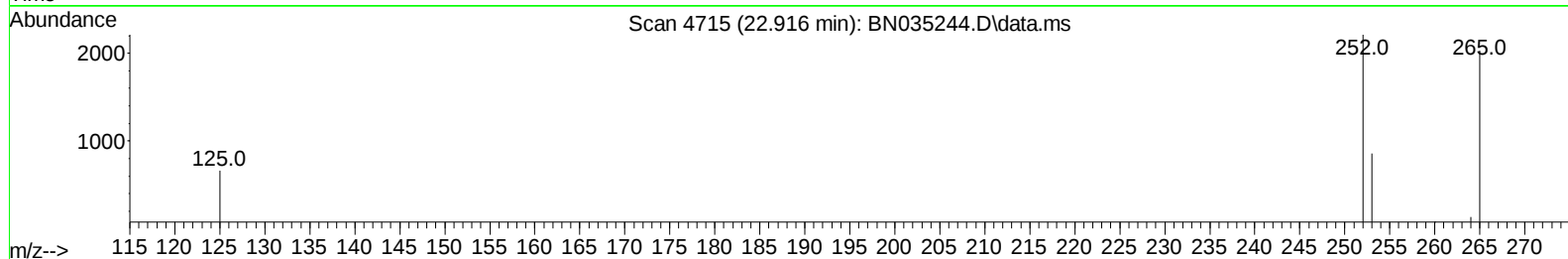
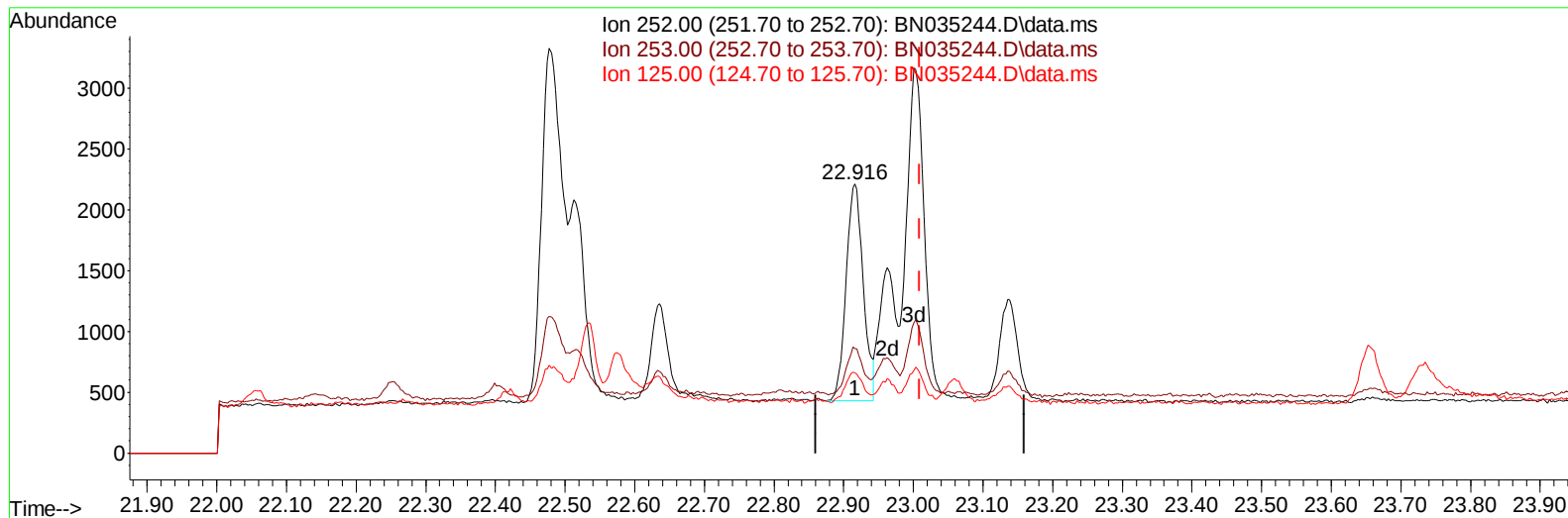
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/27/2024



TIC: BN035244.D\data.ms

(26) Benzo(a)pyrene (C)

22.916min (-0.094) 0.14 ng/u1

response 3057

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	38.81#
125.00	11.80	29.94#
0.00	0.00	0.00

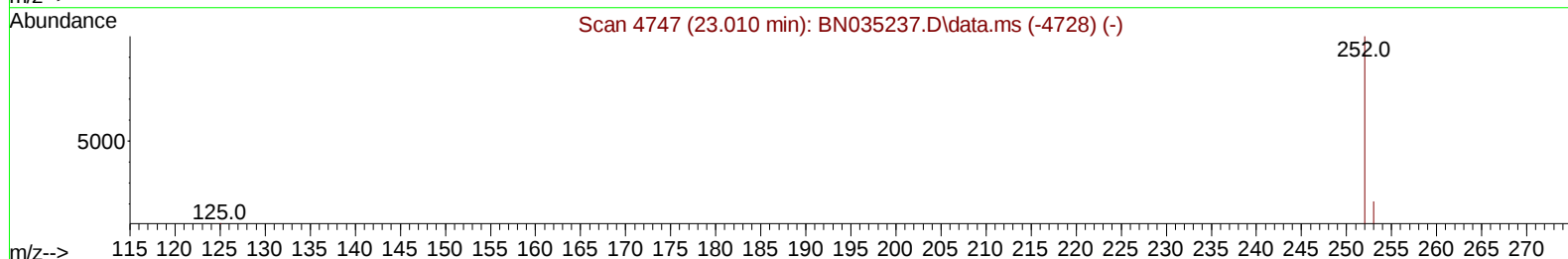
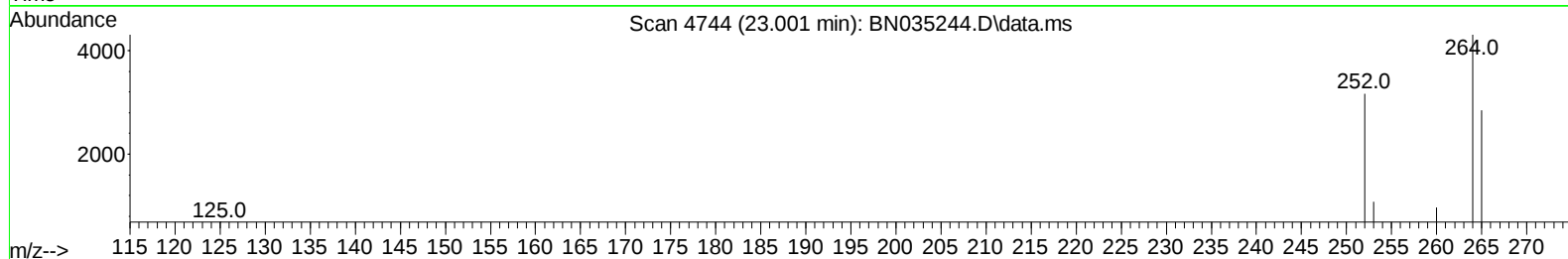
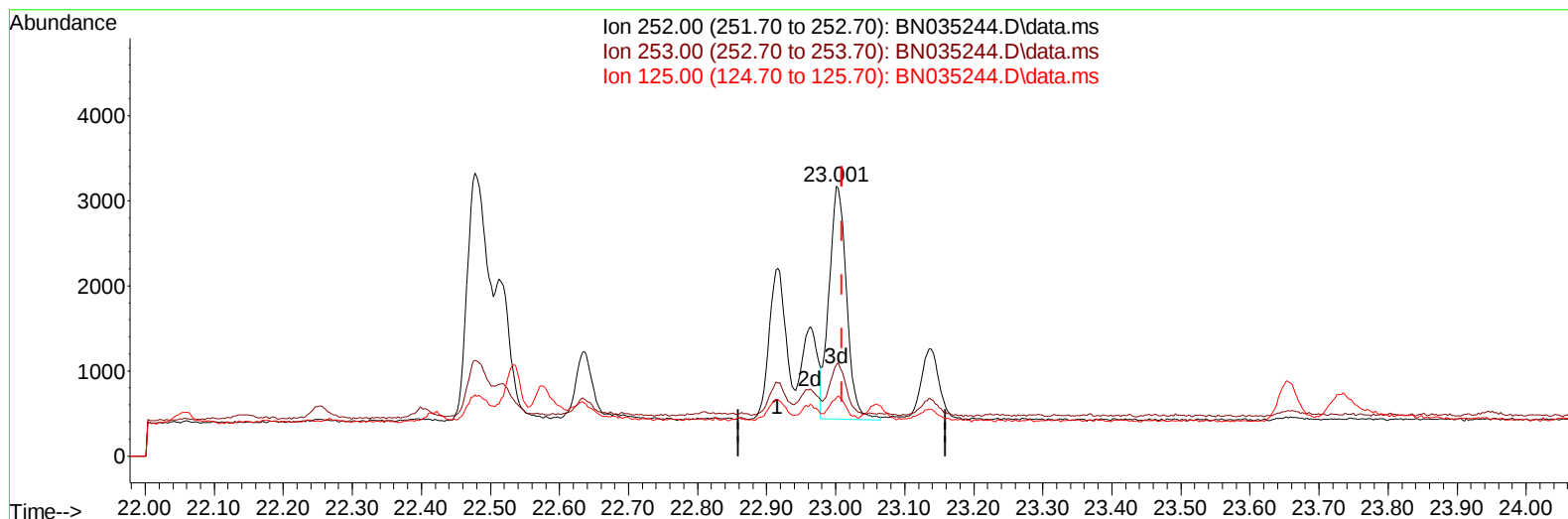
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035244.D
 Acq On : 22 Nov 2024 16:34
 Operator : RC/JU
 Sample : P4872-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 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: BN035244.D\data.ms

(26) Benzo(a)pyrene (C)

23.001min (-0.009) 0.22 ng/u1 m

response 4830

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	33.80
125.00	11.80	21.55#
0.00	0.00	0.00

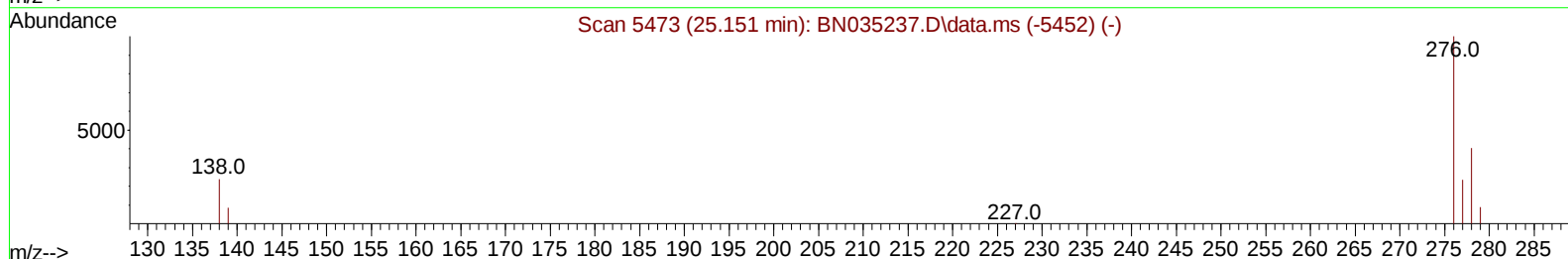
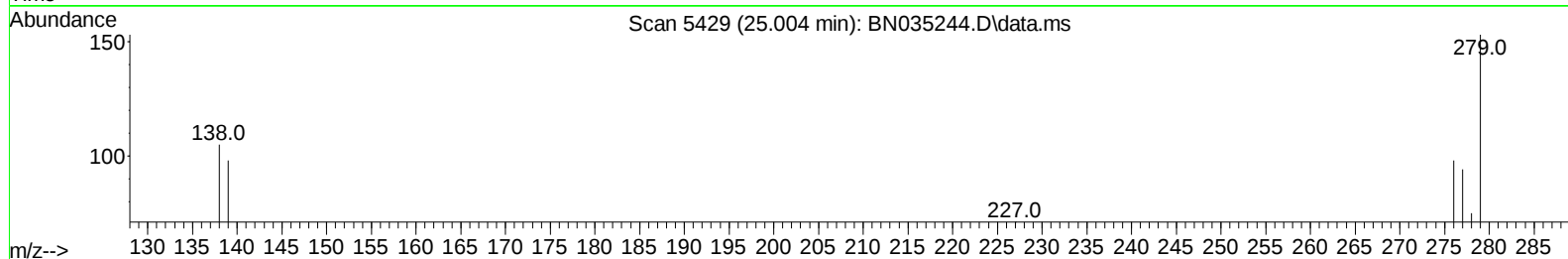
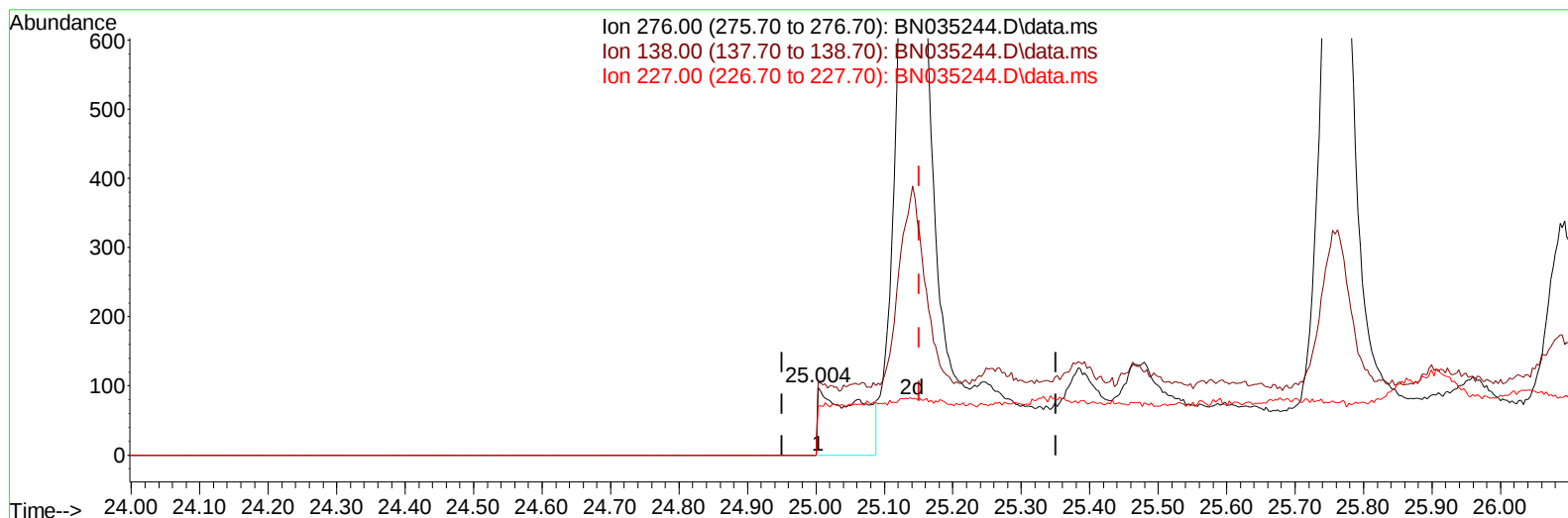
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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TIC: BN035244.D\data.ms

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

25.004min (-0.148) 0.01 ng/u1

response 396

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

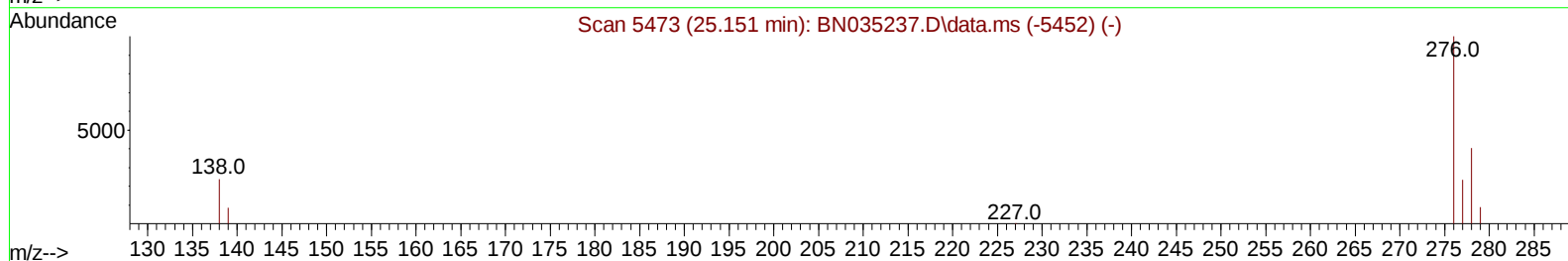
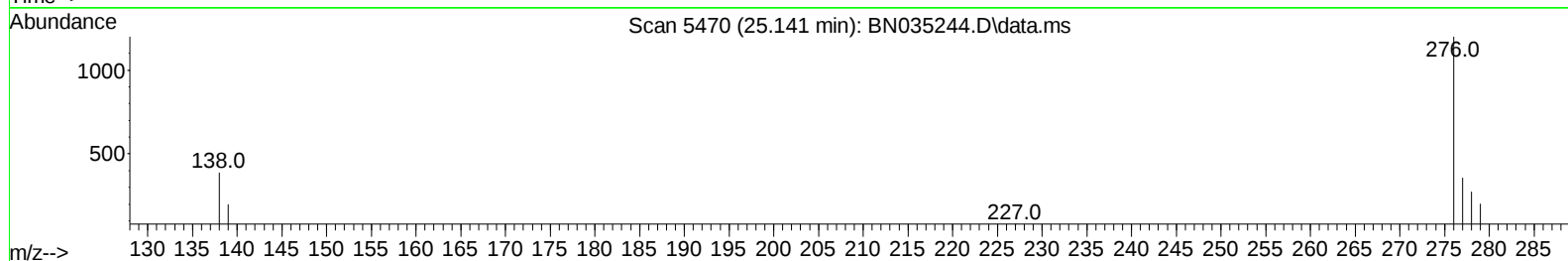
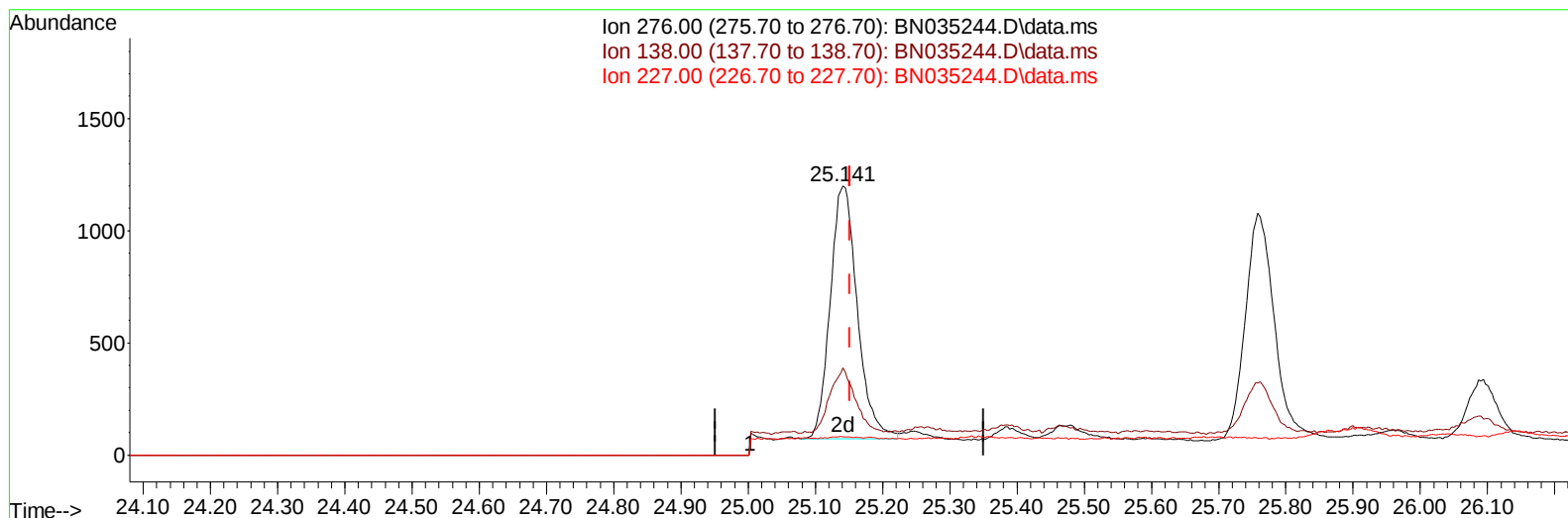
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 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

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TIC: BN035244.D\data.ms

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

25.141min (-0.010) 0.11 ng/ul m

response 3164

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

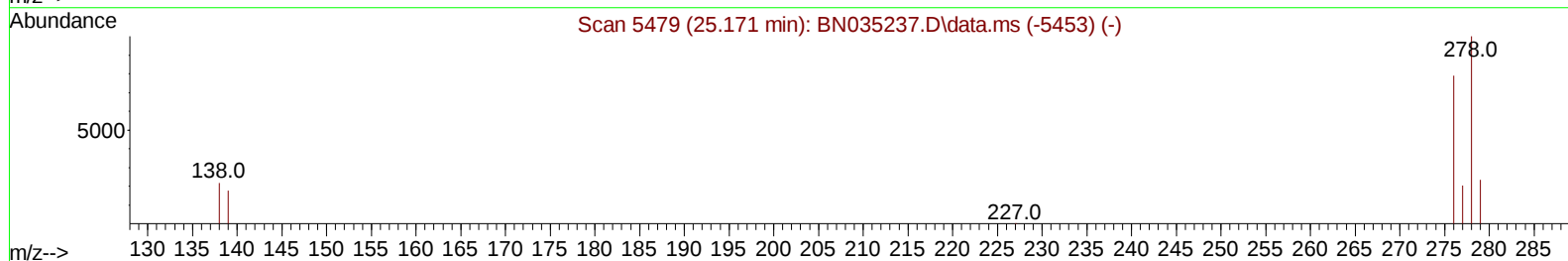
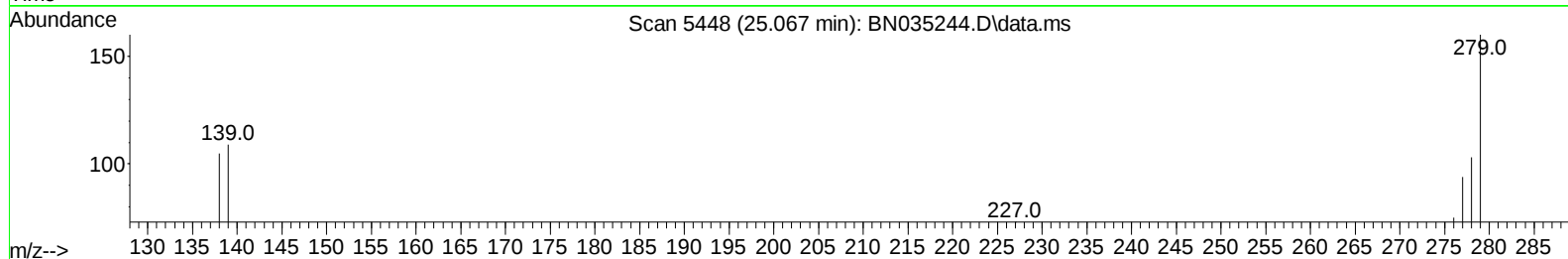
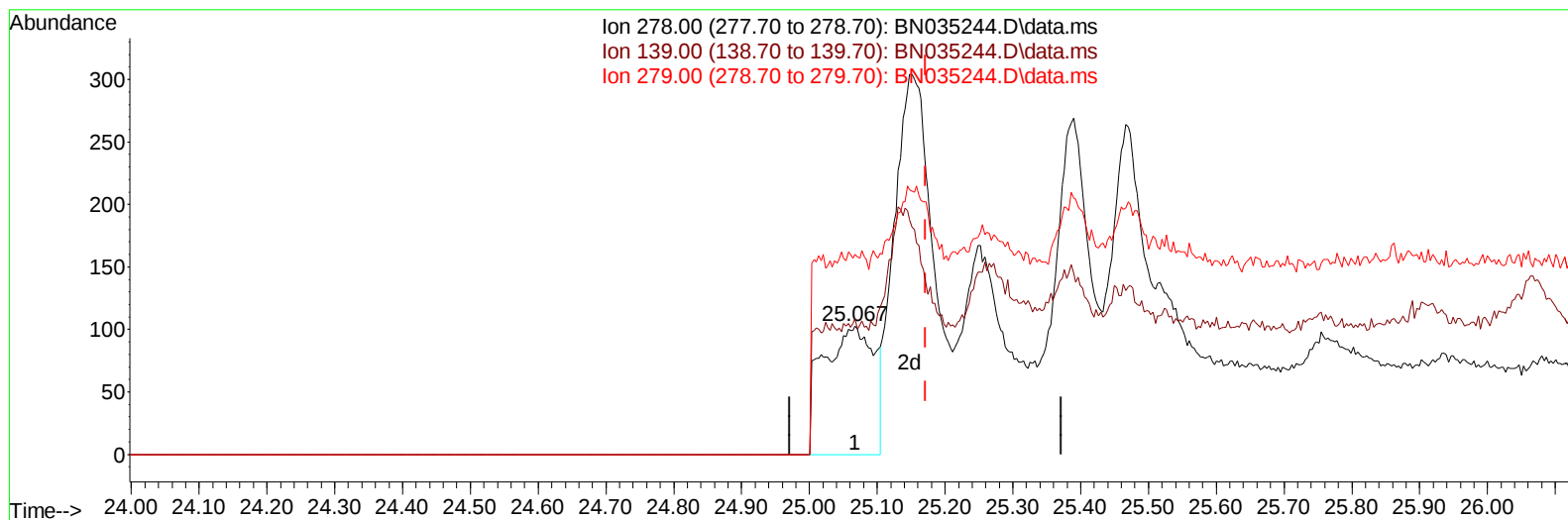
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 22 18:01:42 2024
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TIC: BN035244.D\data.ms

(28) Dibenzo(a,h)anthracene

25.067min (-0.104) 0.02 ng/u1

response 529

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	105.83#
279.00	28.50	155.34#
0.00	0.00	0.00

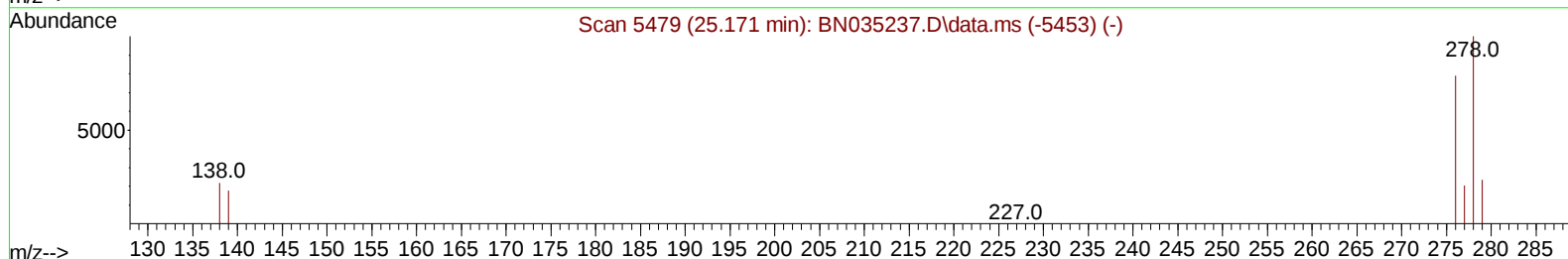
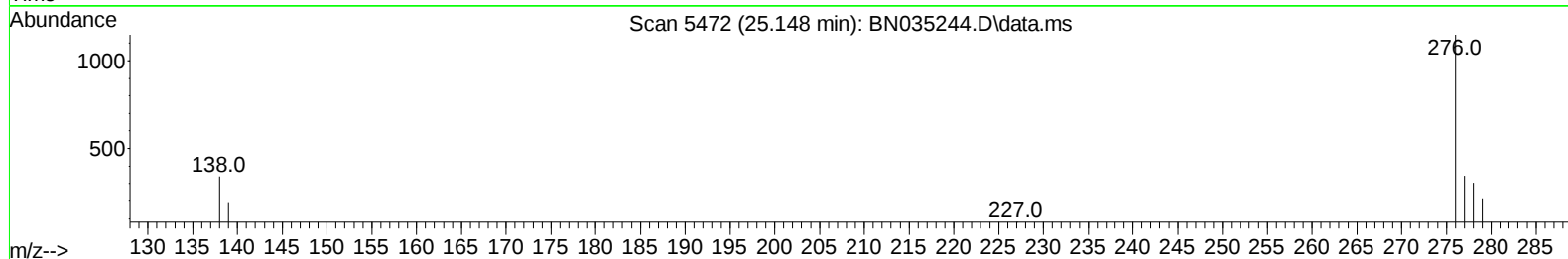
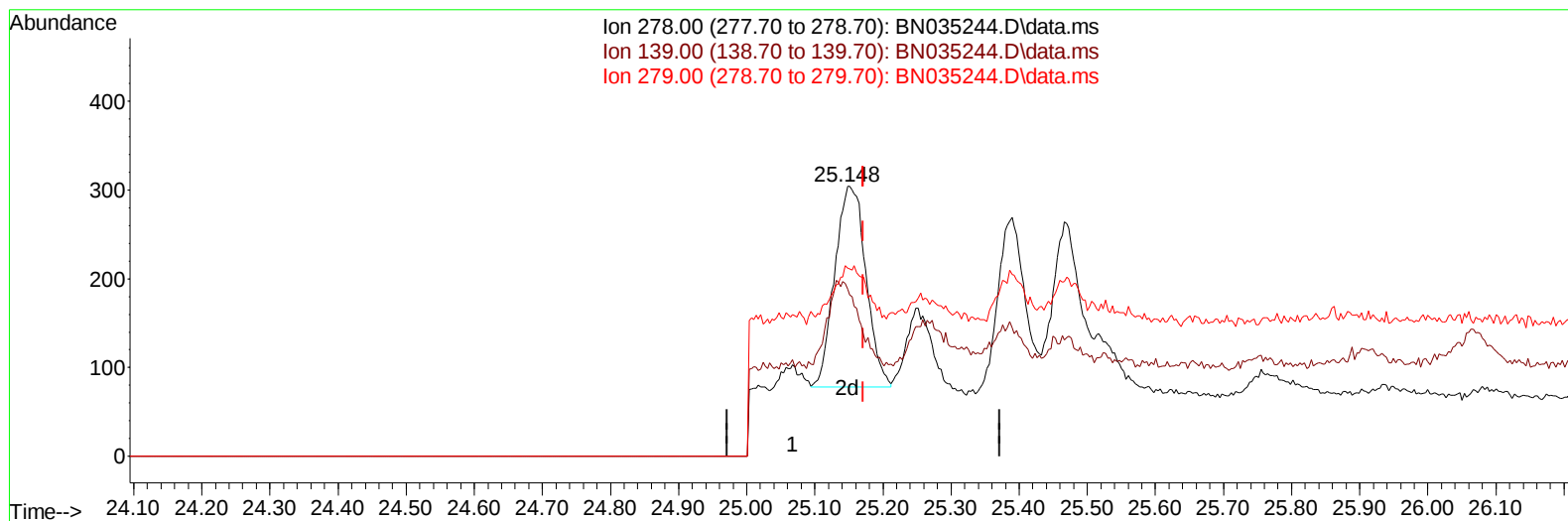
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

Quant Time: Nov 22 18:01:42 2024
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QLast Update : Fri Nov 22 12:45:23 2024
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TIC: BN035244.D\data.ms

(28) Dibenzo(a,h)anthracene

25.148min (-0.023) 0.03 ng/ul m

response 720

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	61.84#
279.00	28.50	69.74#
0.00	0.00	0.00

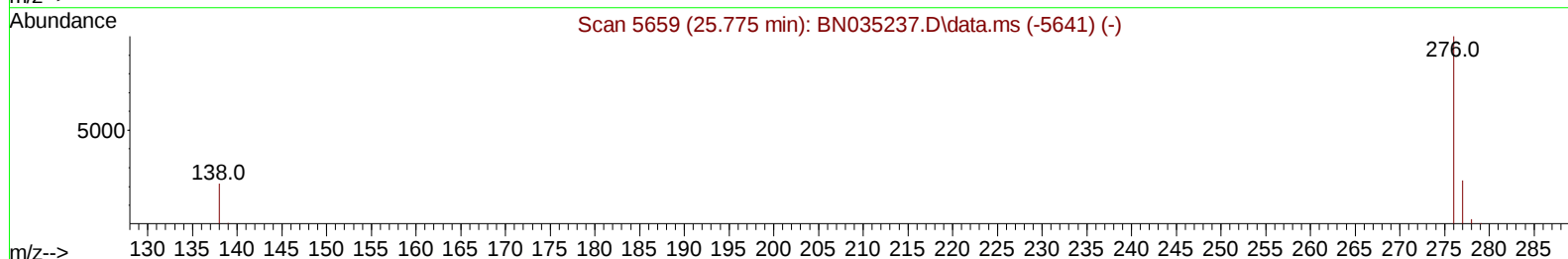
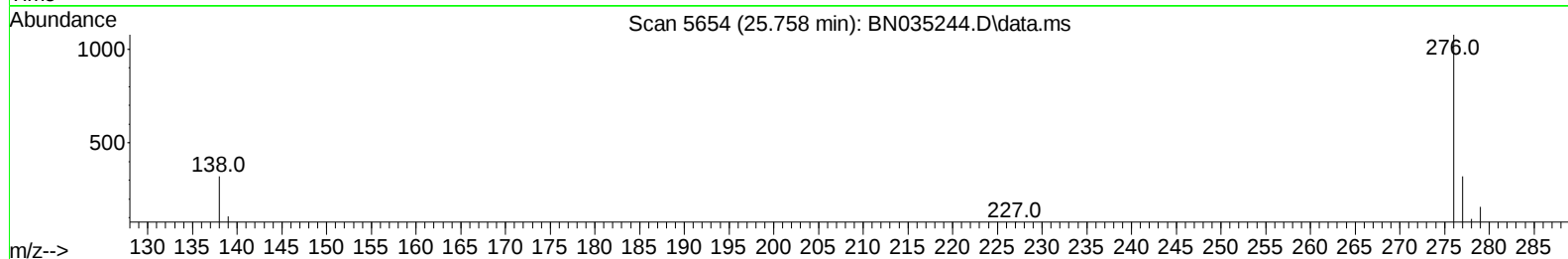
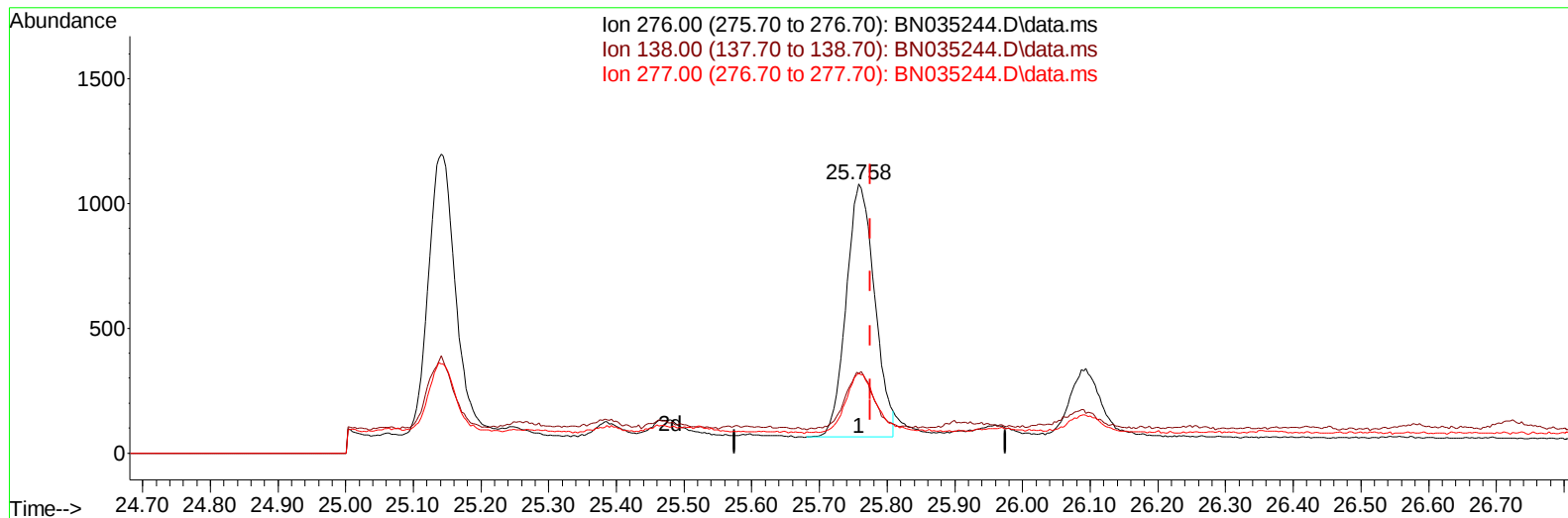
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Data File : BN035244.D
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Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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TIC: BN035244.D\data.ms

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

25.758min (-0.017) 0.13 ng/u1

response 2955

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	29.68#
277.00	25.60	29.59
0.00	0.00	0.00

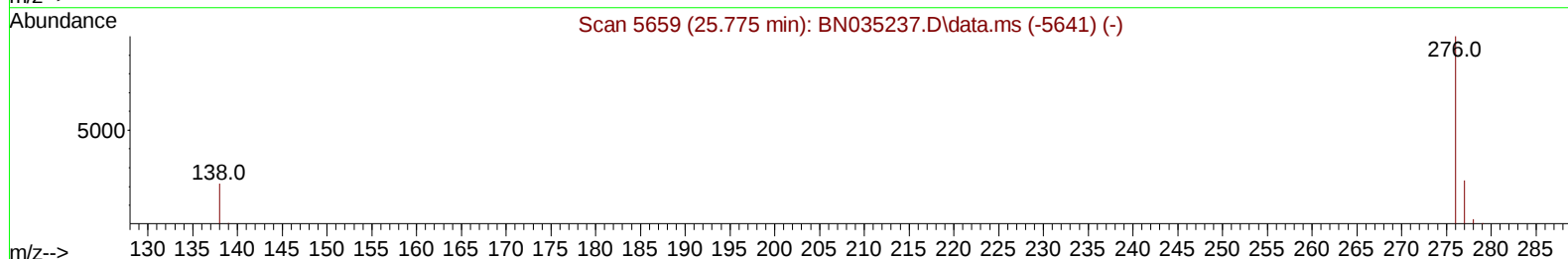
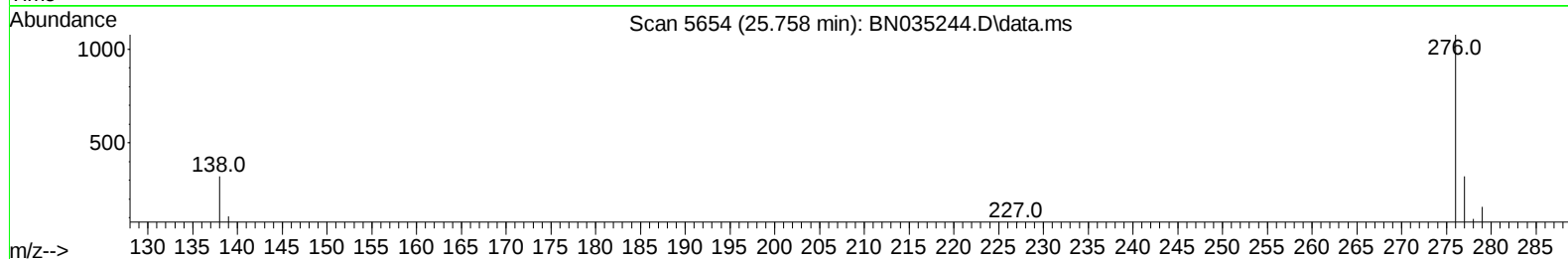
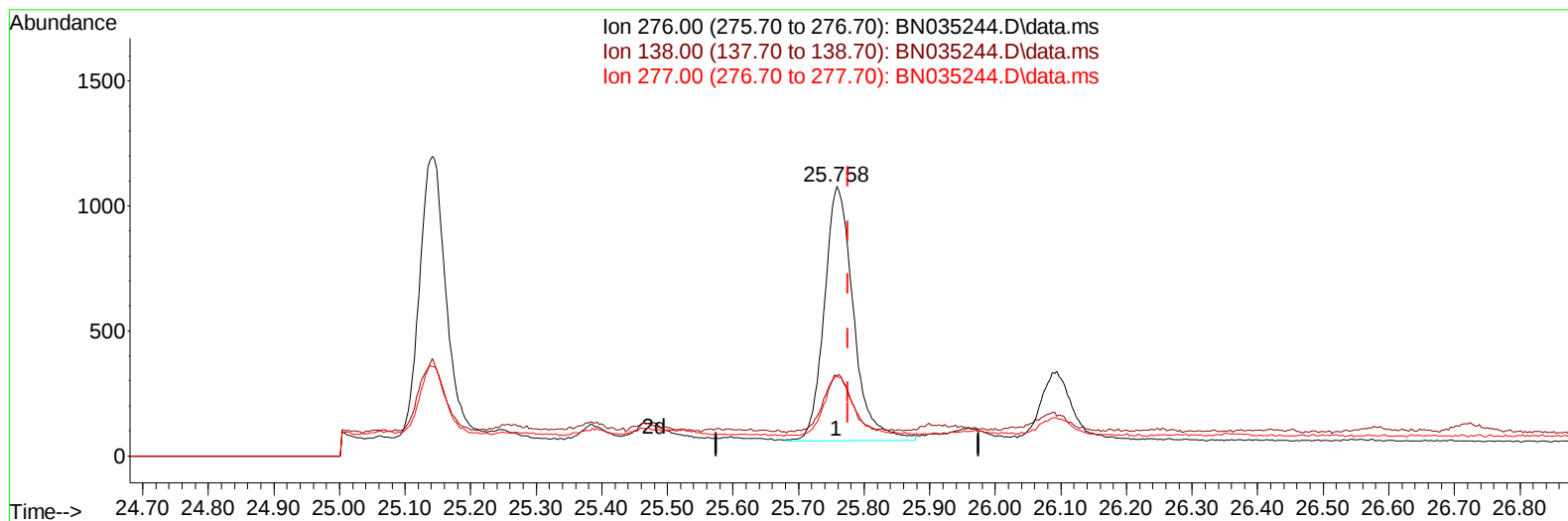
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Data File : BN035244.D
Acq On : 22 Nov 2024 16:34
Operator : RC/JU
Sample : P4872-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y1

Manual IntegrationsAPPROVED

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TIC: BN035244.D\data.ms

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

25.758min (-0.017) 0.13 ng/ul m

response 3131

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	29.68#
277.00	25.60	29.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035244.D
 Acq On : 22 Nov 2024 16:34
 Operator : RC/JU
 Sample : P4872-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y1

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.322	152		3534	0.400	ng/ul	0.00
4) Naphthalene-d8	10.069	136		9264	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.981	164		5813	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.747	188		12375m	0.400	ng/ul	0.00
17) Chrysene-d12	20.990	240		7697	0.400	ng/ul	# 0.00
23) Perylene-d12	23.092	264		7318m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	2.976	96		9812	3.038	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.670	152		2730	0.201	ng/ul	0.00
18) Fluoranthene-d10	18.800	212		6798	0.320	ng/ul	0.00
Target Compounds							
							Qvalue
10) Acenaphthylene	13.694	152		2110	0.092	ng/ul#	92
15) Phenanthrene	16.789	178		3243	0.099	ng/ul	94
16) Anthracene	16.878	178		1246	0.041	ng/ul#	85
19) Fluoranthene	18.828	202		10376	0.387	ng/ul#	92
20) Pyrene	19.195	202		8488m	0.304	ng/ul	
21) Benzo(a)anthracene	20.973	228		4294m	0.161	ng/ul	
22) Chrysene	21.026	228		4332	0.161	ng/ul	95
24) Benzo(b)fluoranthene	22.478	252		5941m	0.246	ng/ul	
25) Benzo(k)fluoranthene	22.513	252		2663m	0.107	ng/ul	
26) Benzo(a)pyrene	23.001	252		4830m	0.218	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.141	276		3164m	0.106	ng/ul	
28) Dibenzo(a,h)anthracene	25.148	278		720m	0.031	ng/ul	
29) Benzo(g,h,i)perylene	25.758	276		3131m	0.133	ng/ul	

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

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