

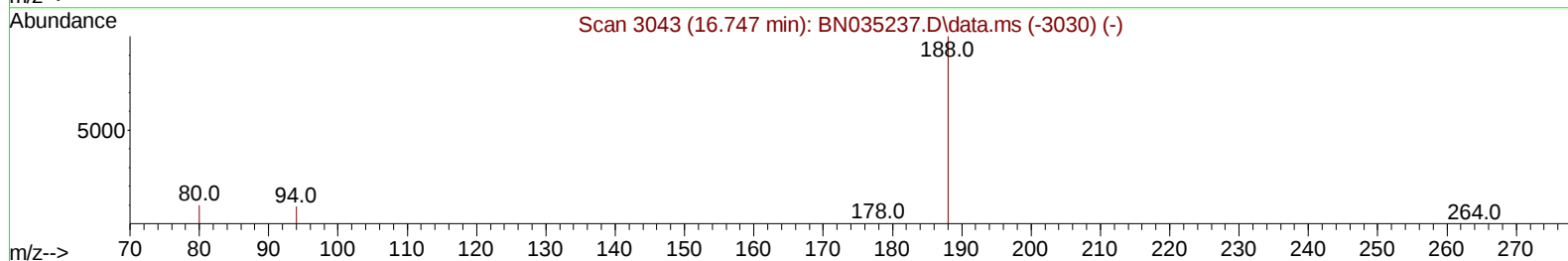
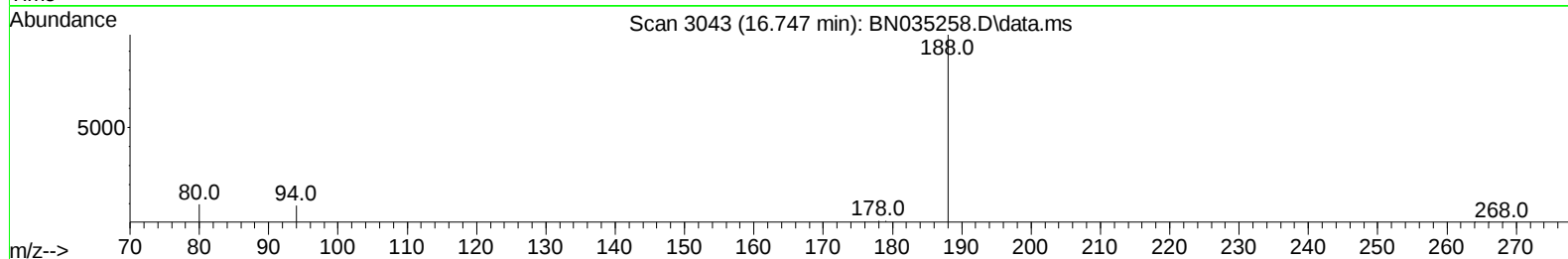
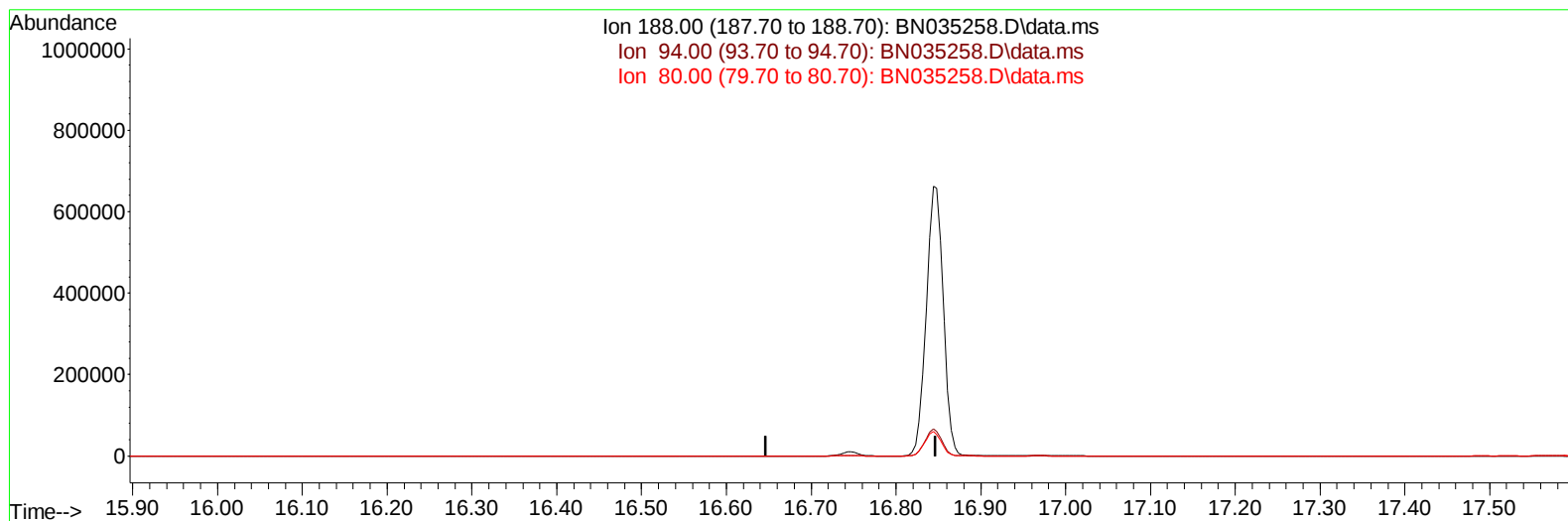
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.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

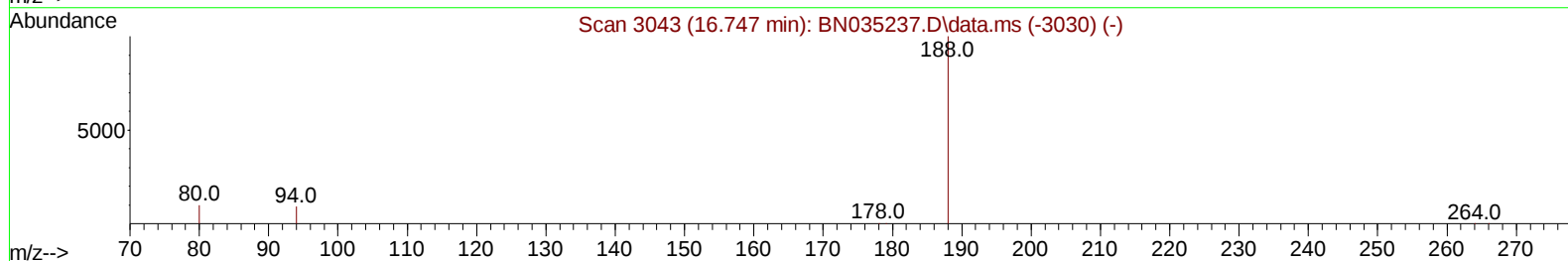
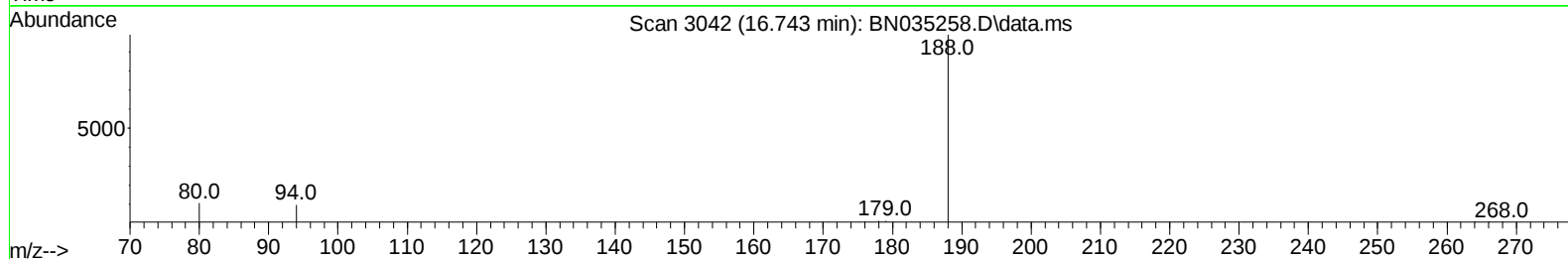
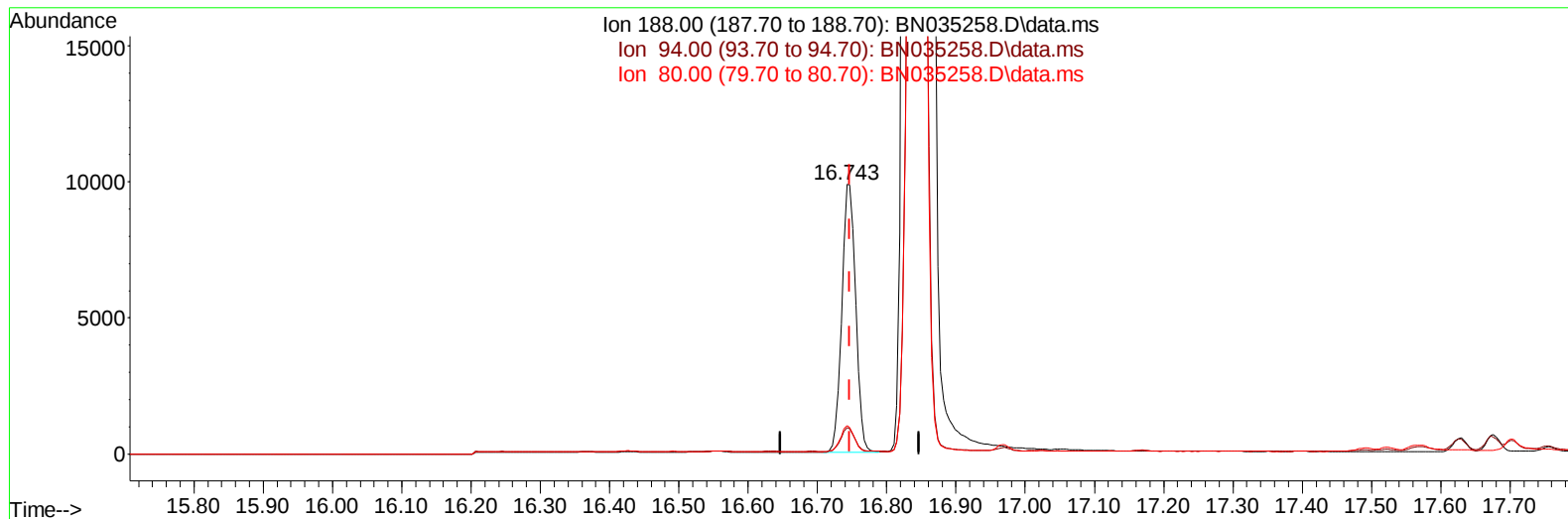
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Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(13) Phenanthrene-d10 (I)

16.743min (-0.004) 0.40 ng/ul m

response 13704

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	9.73#
80.00	7.60	10.53#
0.00	0.00	0.00

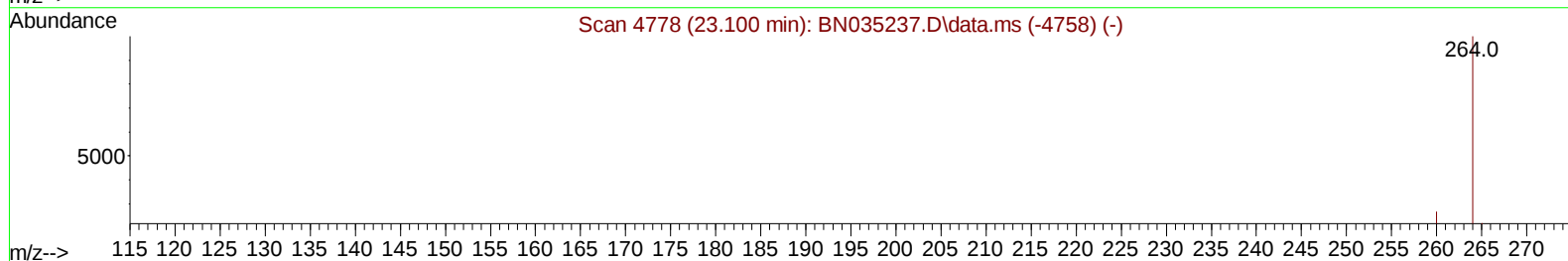
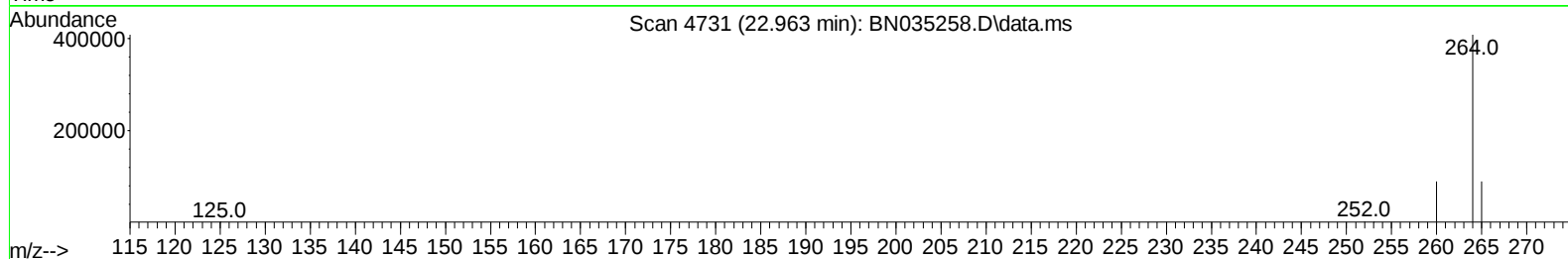
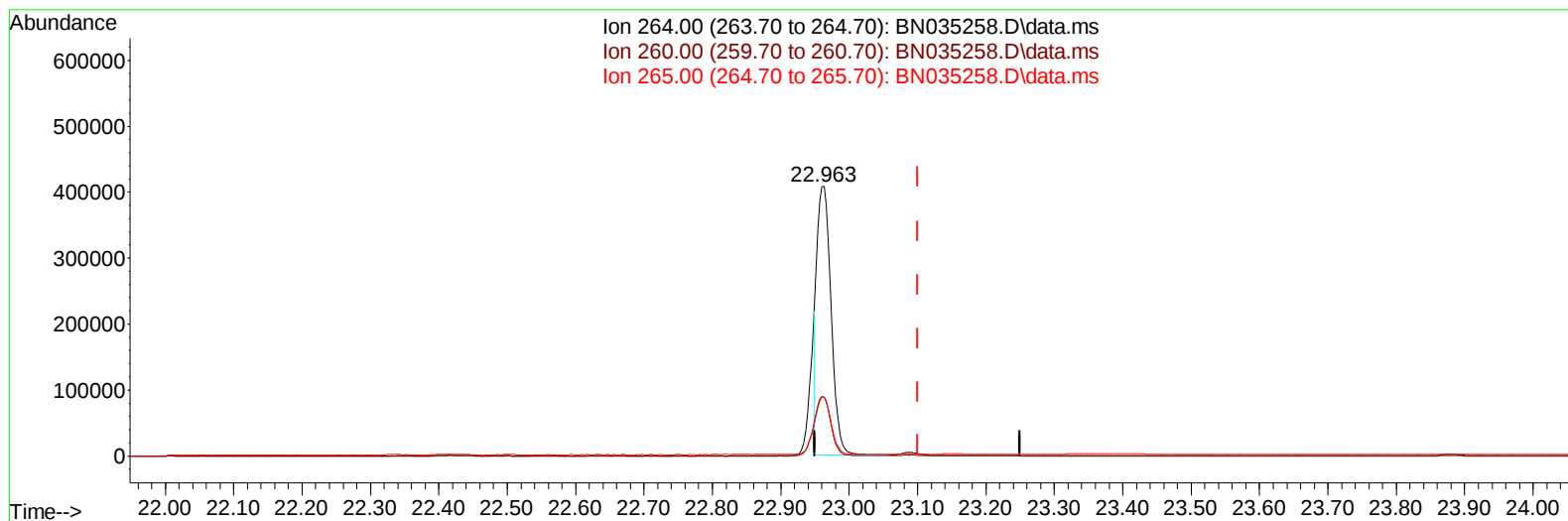
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 Data File : BN035258.D
 Acq On : 23 Nov 2024 01:34
 Operator : RC/JU
 Sample : P4872-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(23) Perylene-d12 (I)

22.963min (-0.137) 0.40 ng/u1

response 590919

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.87
265.00	75.50	21.80#
0.00	0.00	0.00

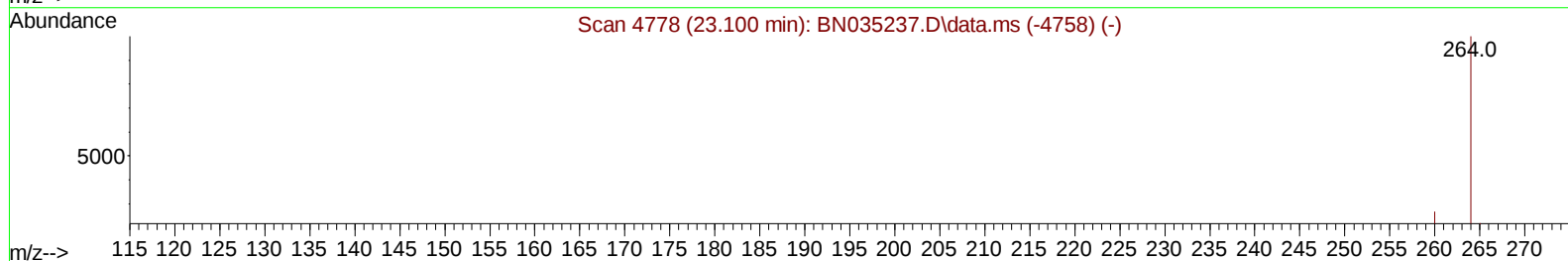
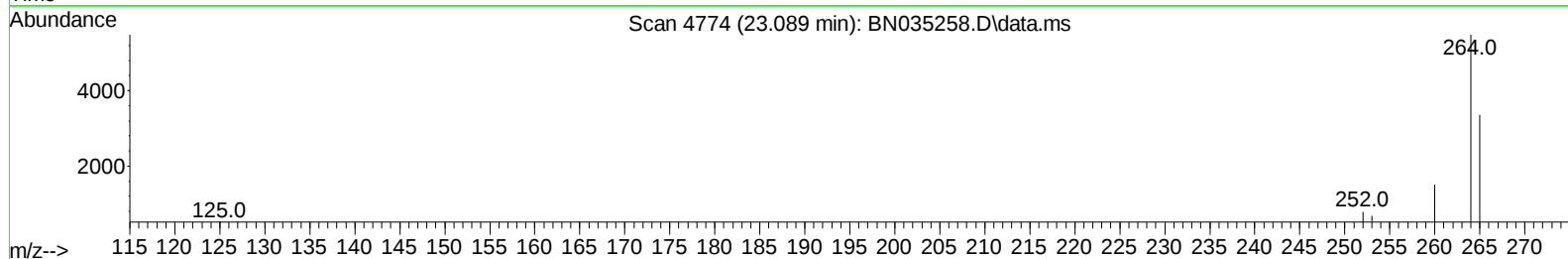
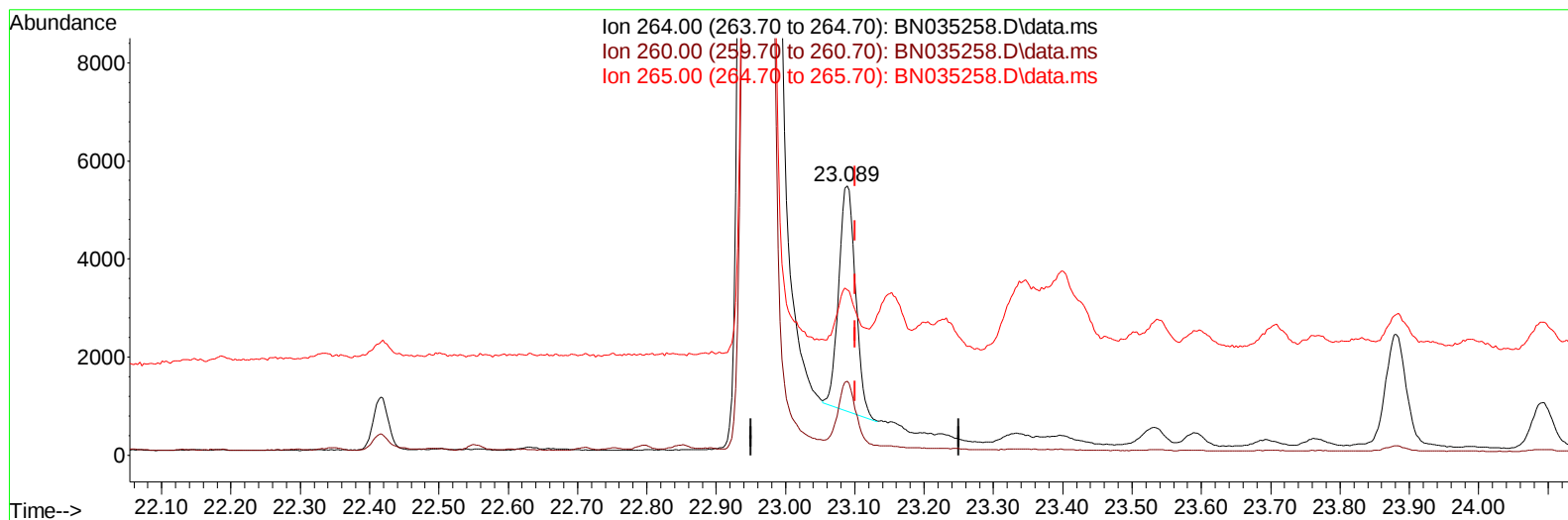
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(23) Perylene-d12 (I)

23.089min (-0.012) 0.40 ng/ul m

response 7705

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	27.44
265.00	75.50	61.39
0.00	0.00	0.00

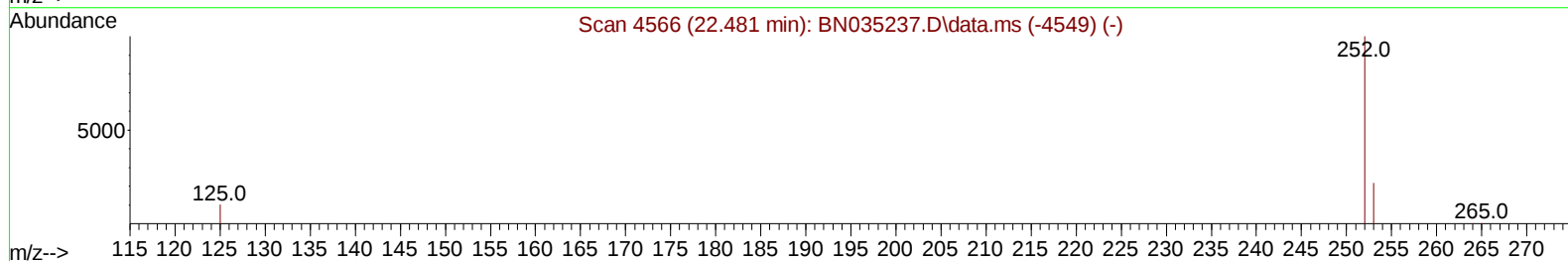
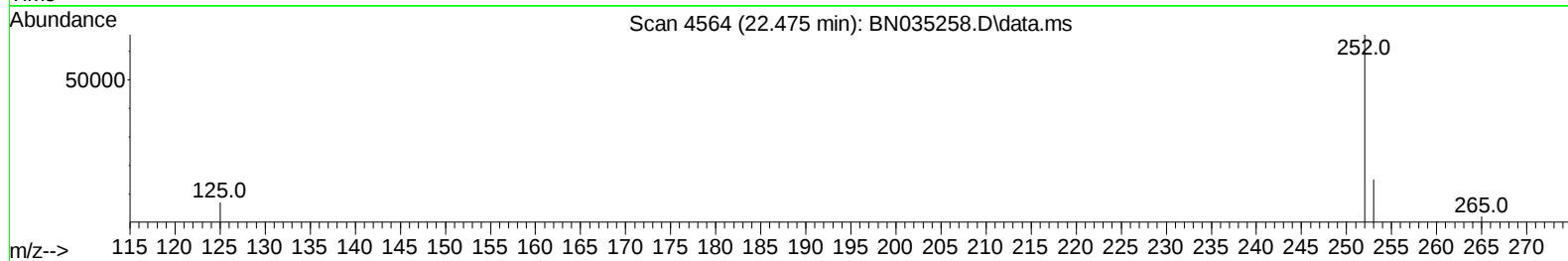
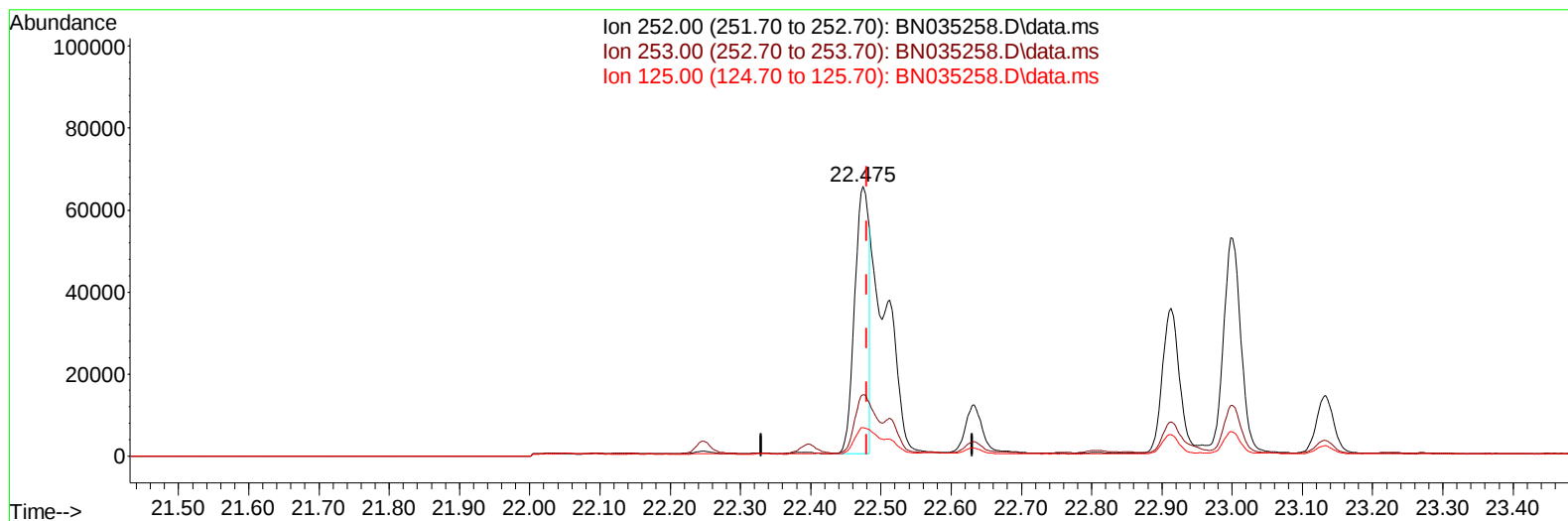
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035258.D
 Acq On : 23 Nov 2024 01:34
 Operator : RC/JU
 Sample : P4872-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y6

Manual IntegrationsAPPROVED

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TIC: BN035258.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 3.60 ng/u1

response 91607

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.82
125.00	9.70	10.61
0.00	0.00	0.00

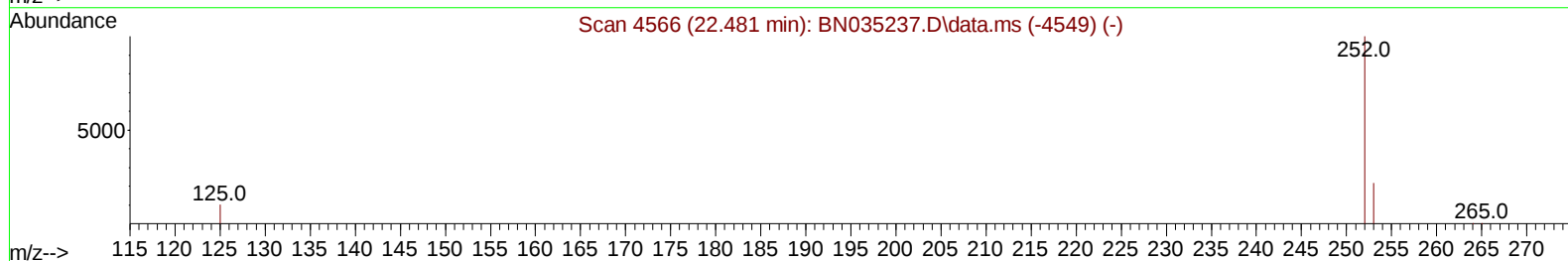
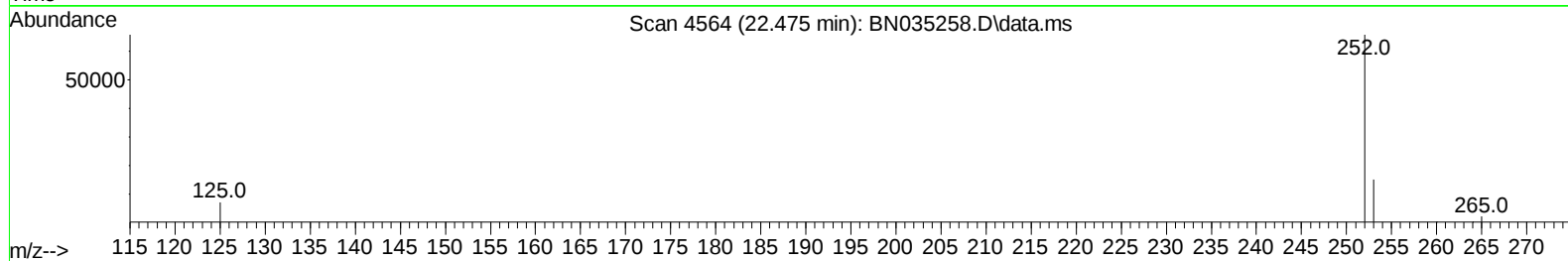
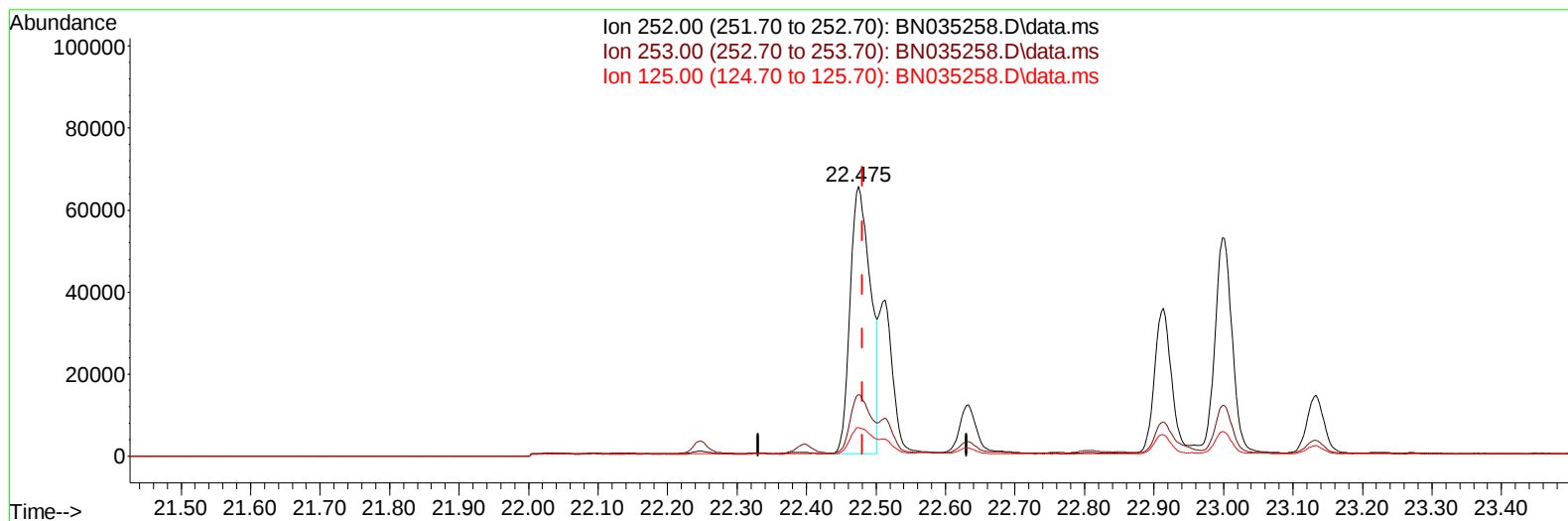
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(24) Benzo(b)fluoranthene

22.475min (-0.006) 5.24 ng/u1 m

response 133550

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	22.82
125.00	9.70	10.61
0.00	0.00	0.00

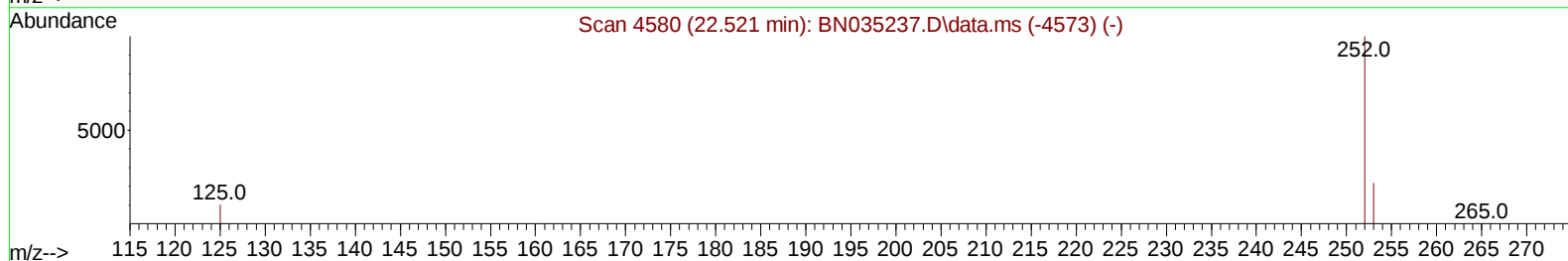
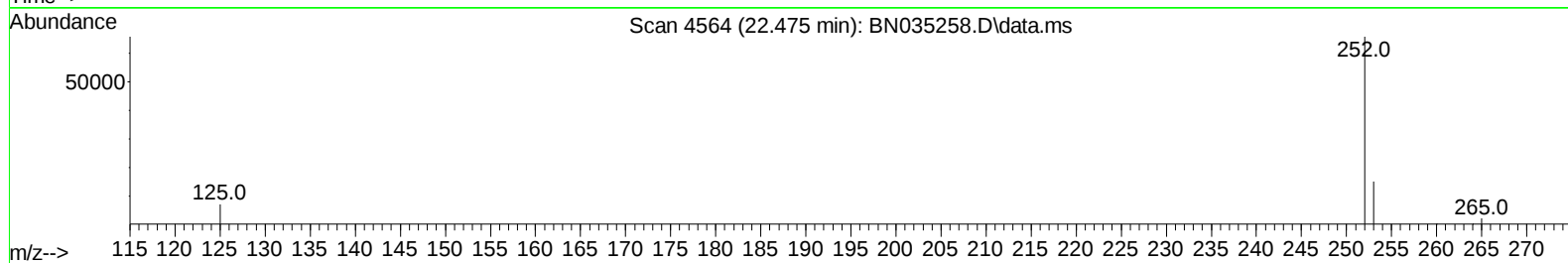
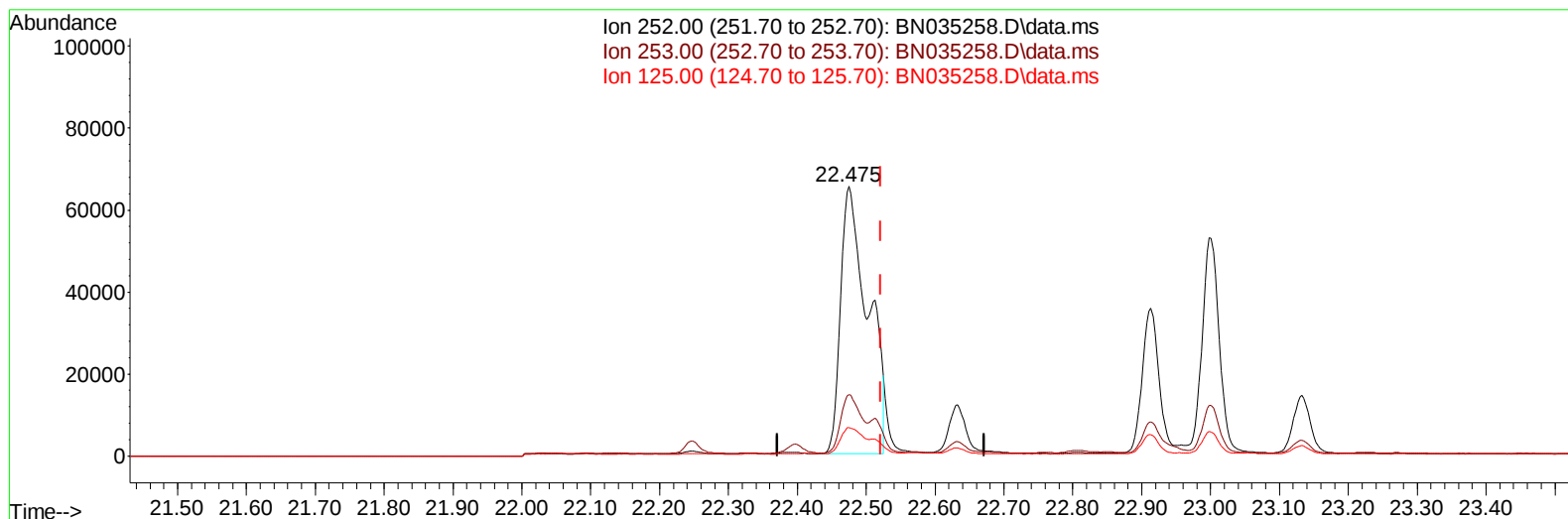
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035258.D
 Acq On : 23 Nov 2024 01:34
 Operator : RC/JU
 Sample : P4872-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.047) 6.77 ng/u1

response 177905

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	22.82
125.00	10.70	10.61
0.00	0.00	0.00

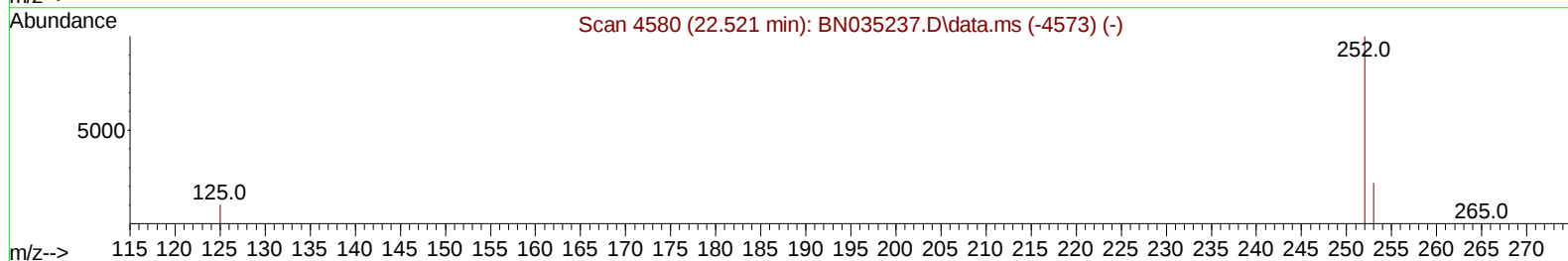
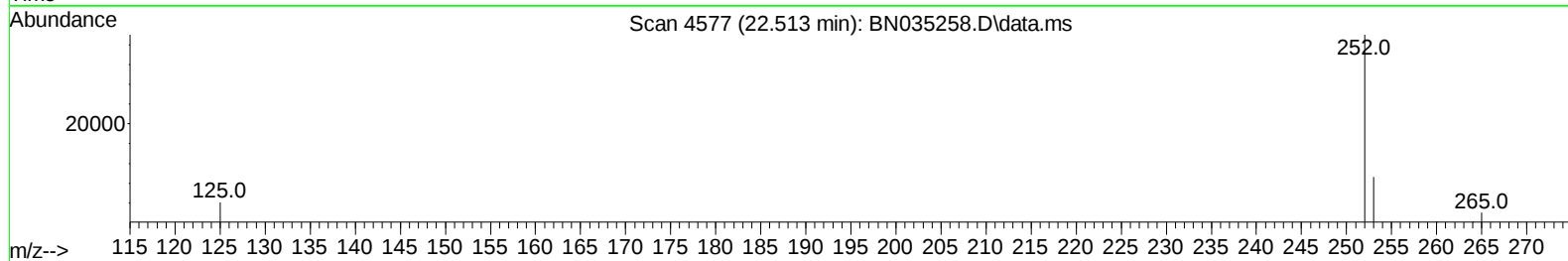
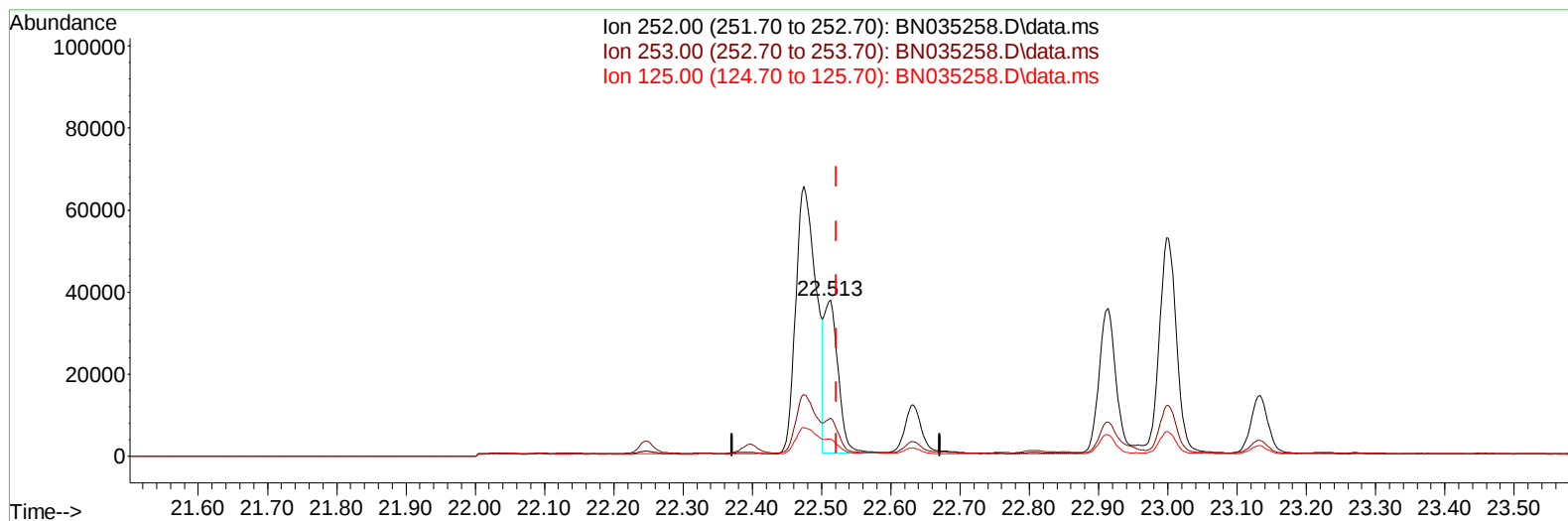
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Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

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

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(25) Benzo(k)fluoranthene

22.513min (-0.009) 1.96 ng/u1 m

response 51597

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	24.30
125.00	10.70	10.85
0.00	0.00	0.00

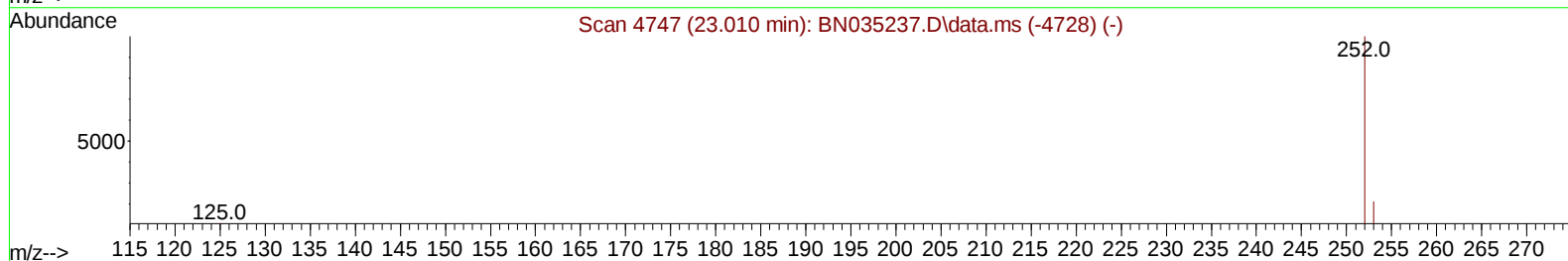
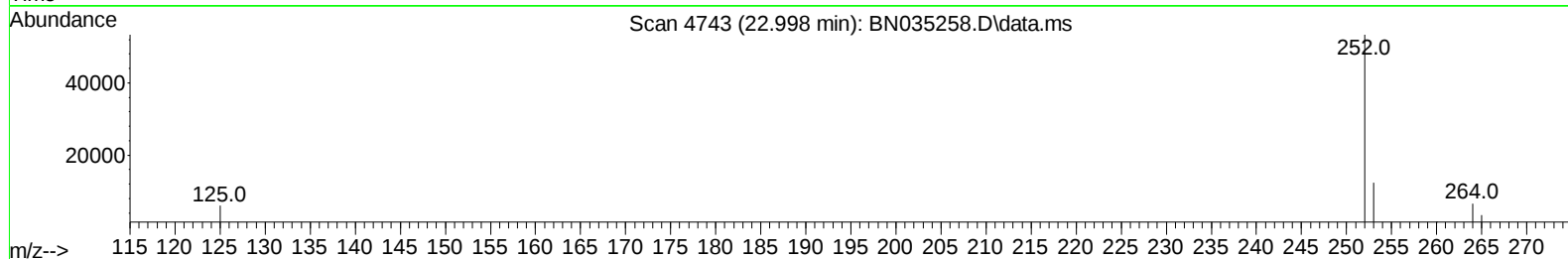
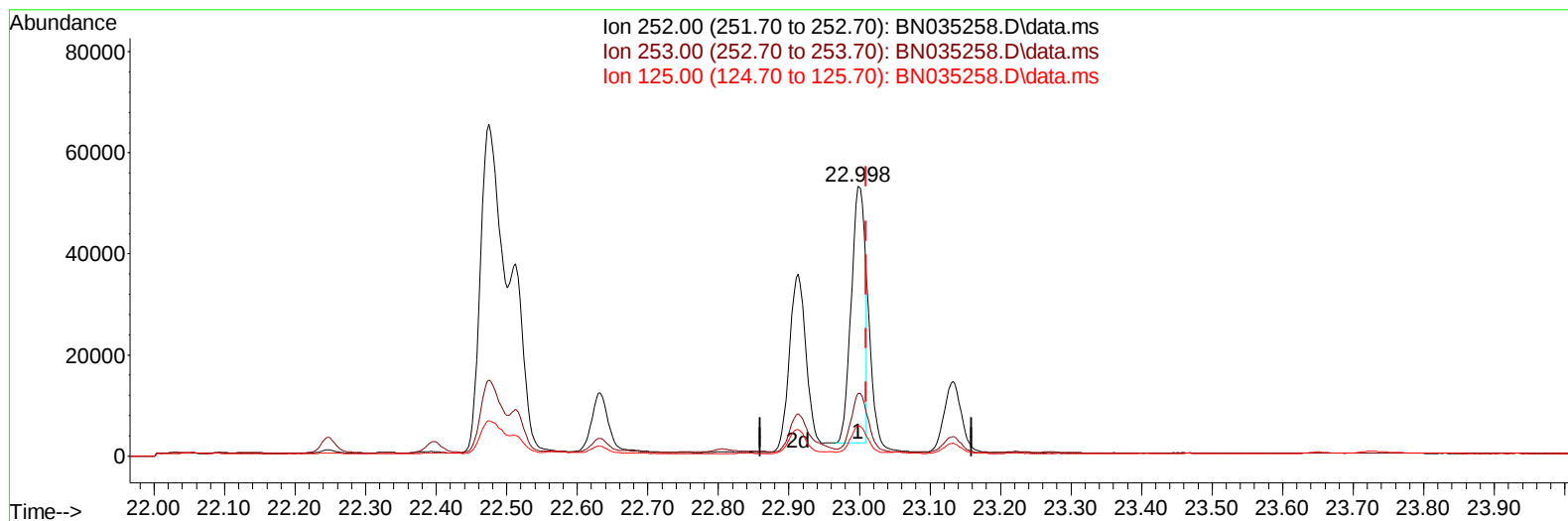
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

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

Quant Time: Nov 23 01:58:35 2024
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TIC: BN035258.D\data.ms

(26) Benzo(a)pyrene (C)

22.998min (-0.012) 2.99 ng/u1

response 69645

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	23.21
125.00	11.80	11.25
0.00	0.00	0.00

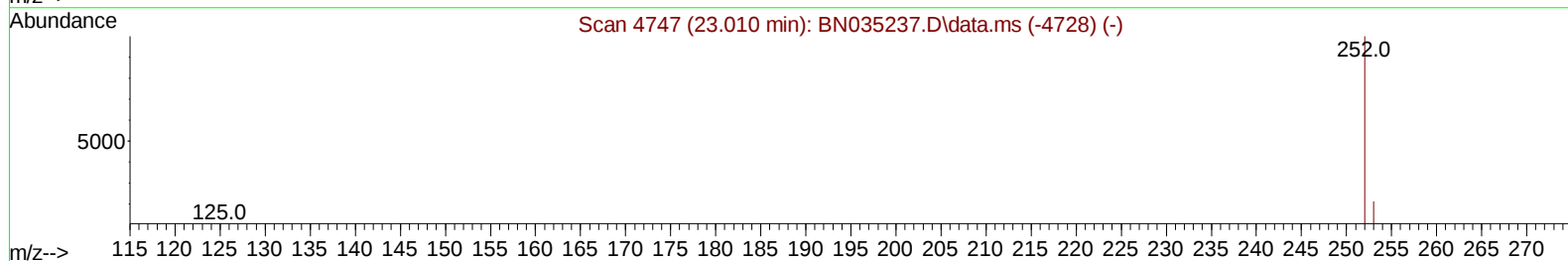
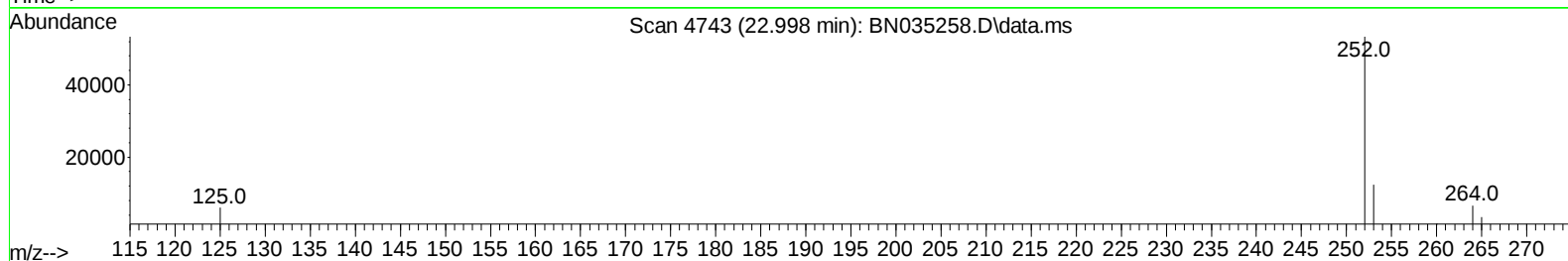
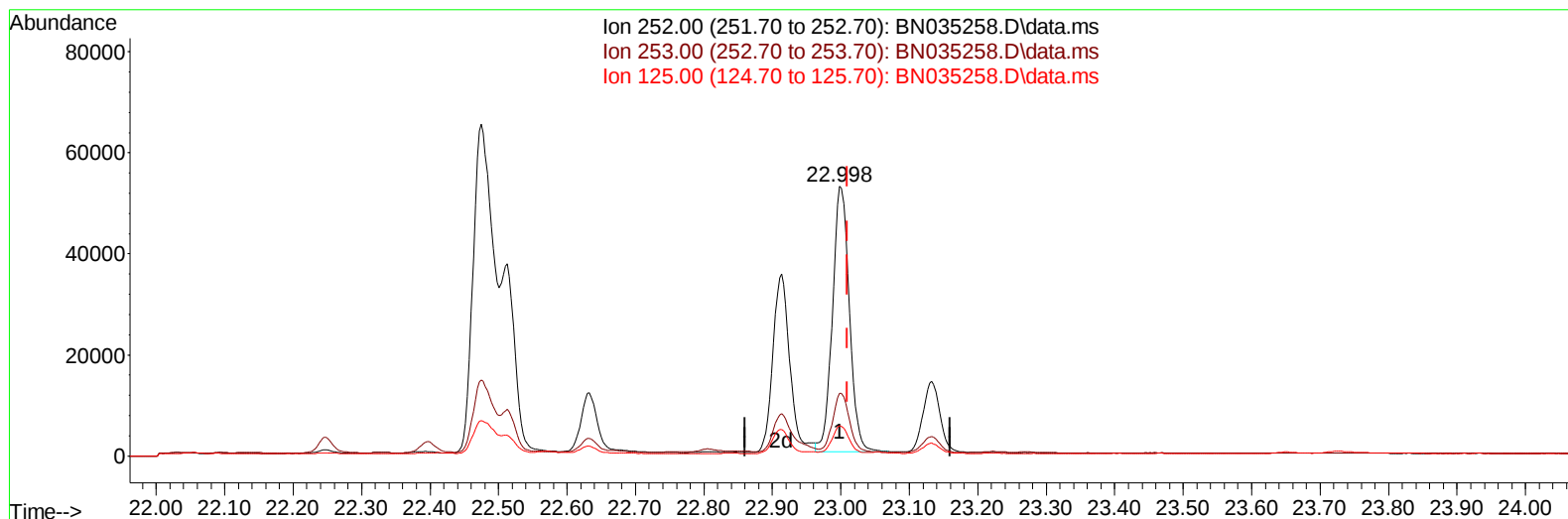
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Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Response via : Initial Calibration

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TIC: BN035258.D\data.ms

(26) Benzo(a)pyrene (C)

22.998min (-0.012) 3.87 ng/u1 m

response 90039

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	23.21
125.00	11.80	11.25
0.00	0.00	0.00

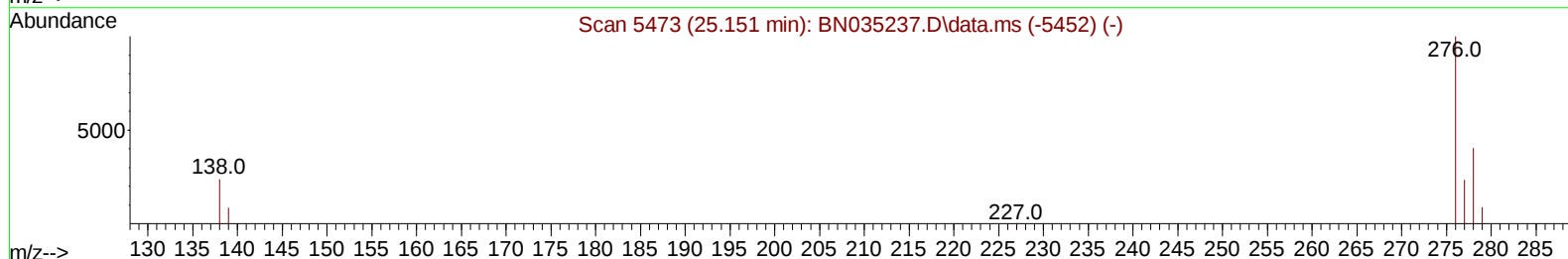
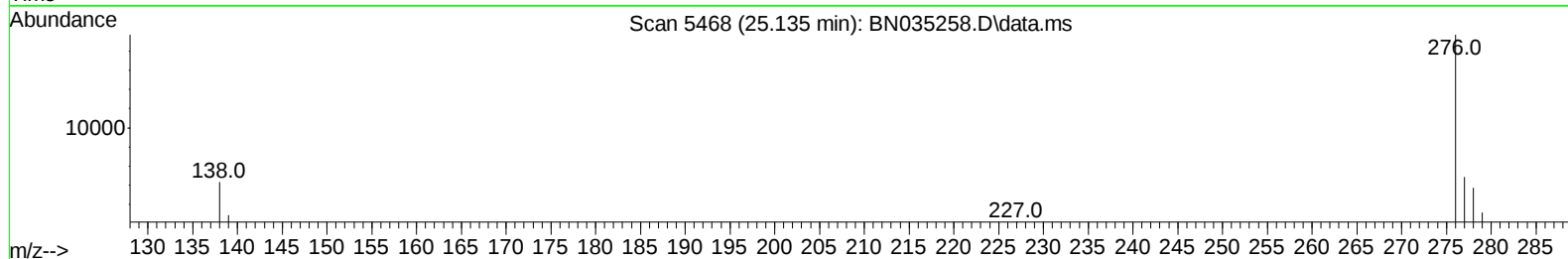
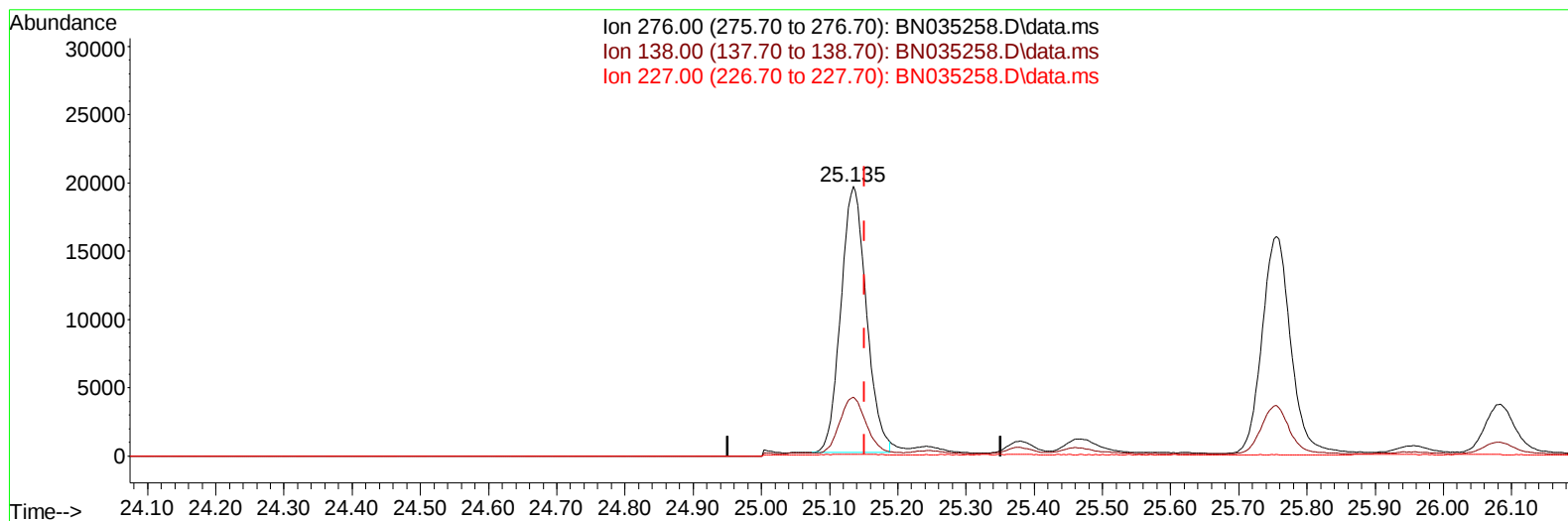
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Data File : BN035258.D
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Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

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TIC: BN035258.D\data.ms

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

25.135min (-0.017) 1.61 ng/u1

response 50613

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	21.73#
227.00	0.30	2.26#
0.00	0.00	0.00

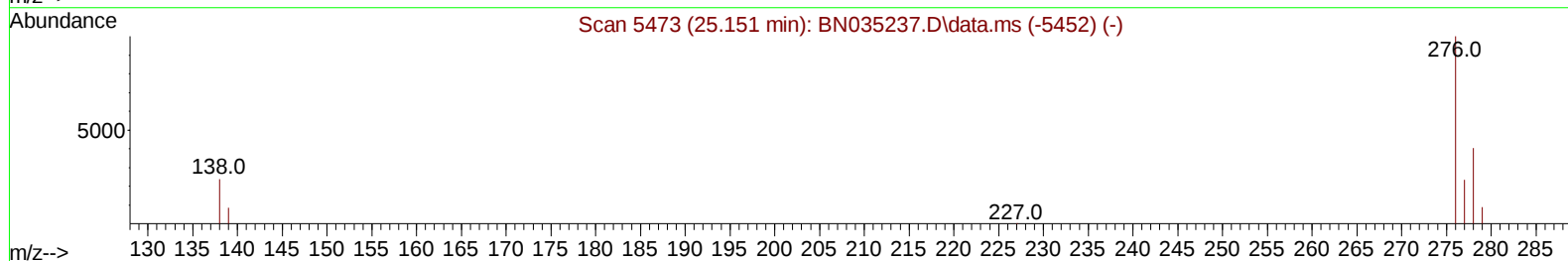
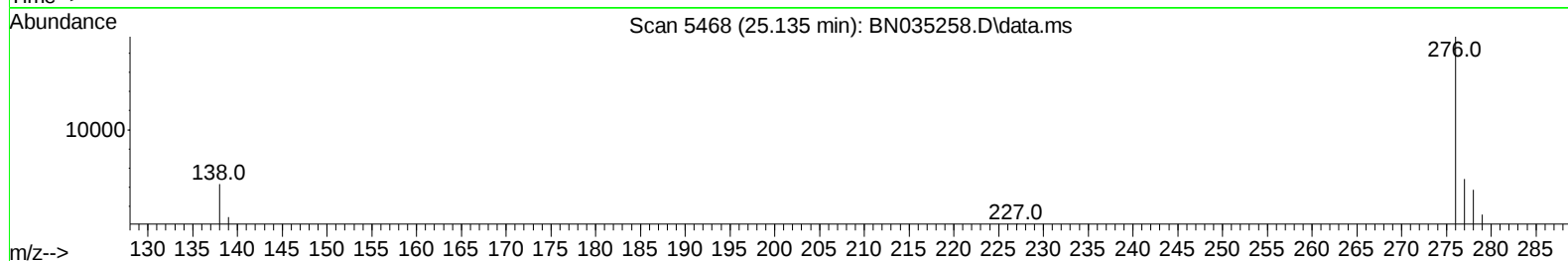
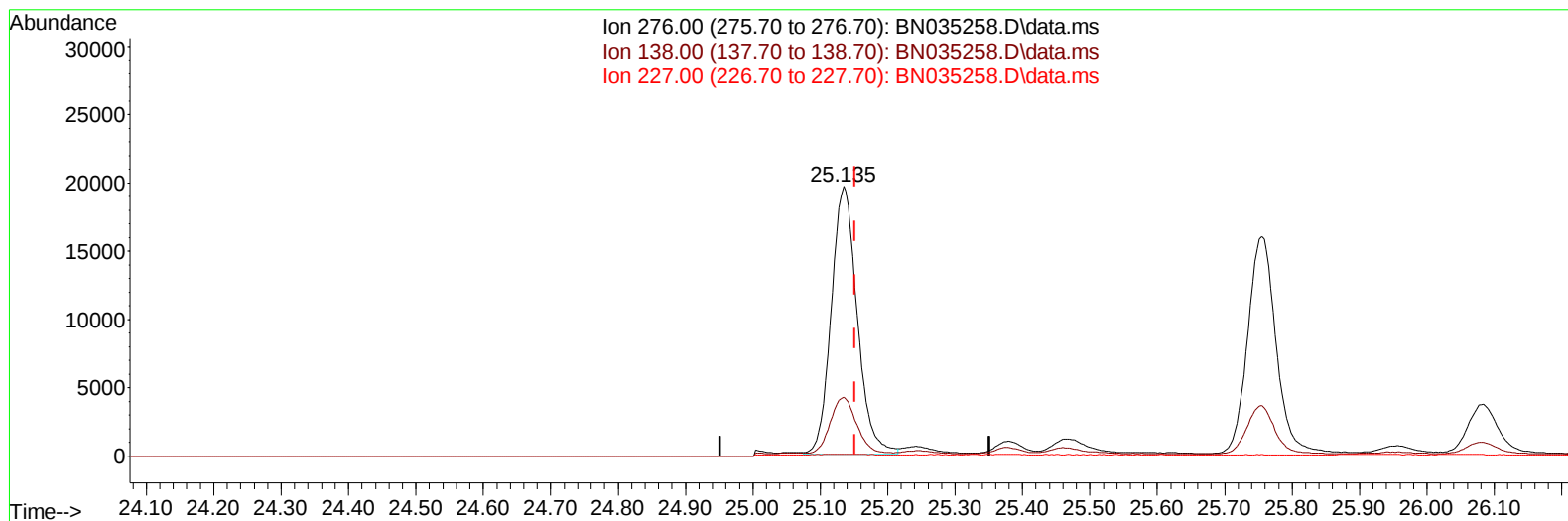
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
 Data File : BN035258.D
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 Operator : RC/JU
 Sample : P4872-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y6

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TIC: BN035258.D\data.ms

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

25.135min (-0.017) 1.67 ng/ul m

response 52386

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	20.99#
227.00	0.30	2.18#
0.00	0.00	0.00

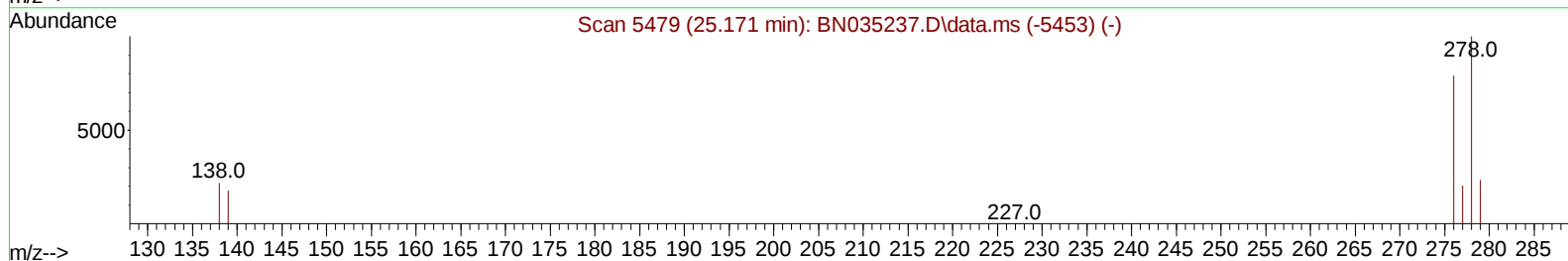
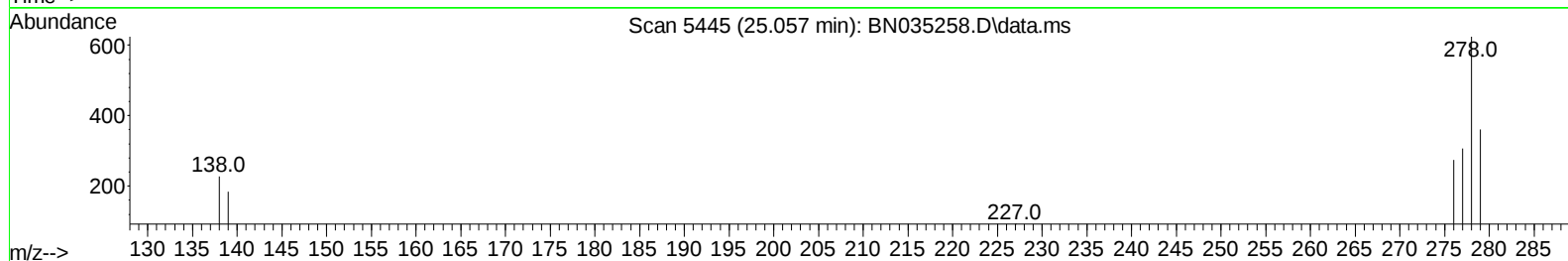
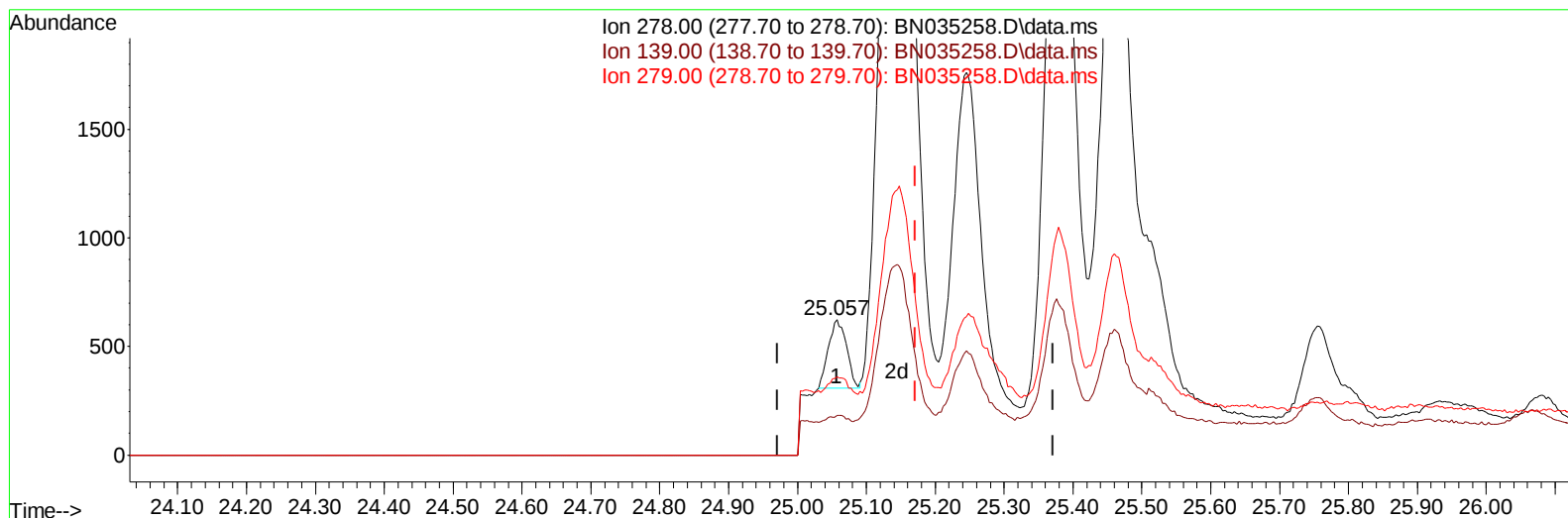
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

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

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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: BN035258.D\data.ms

(28) Dibenzo(a,h)anthracene

25.057min (-0.114) 0.02 ng/u1

response 573

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	29.49#
279.00	28.50	57.85#
0.00	0.00	0.00

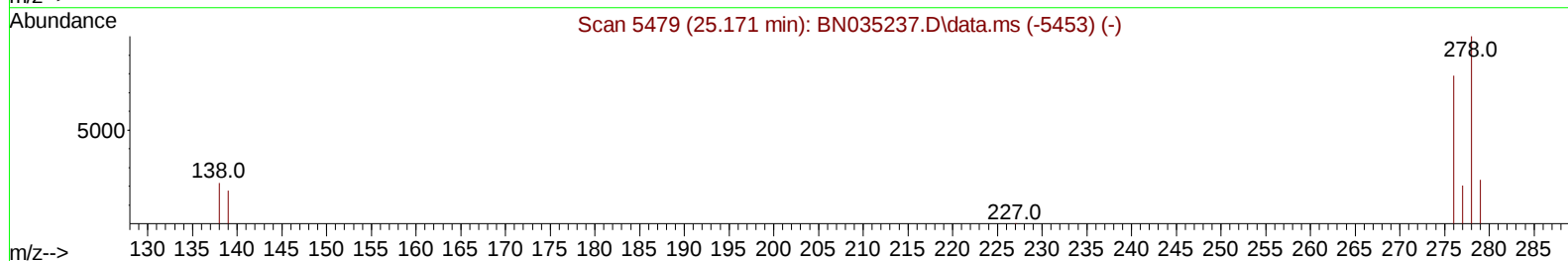
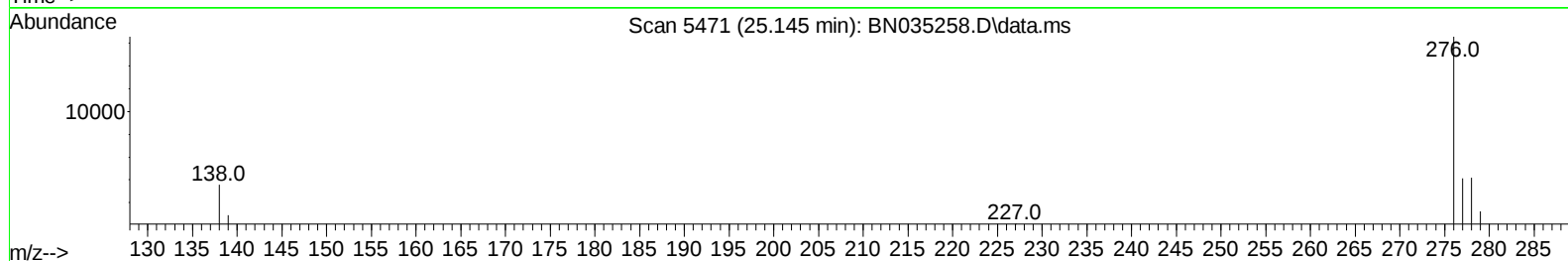
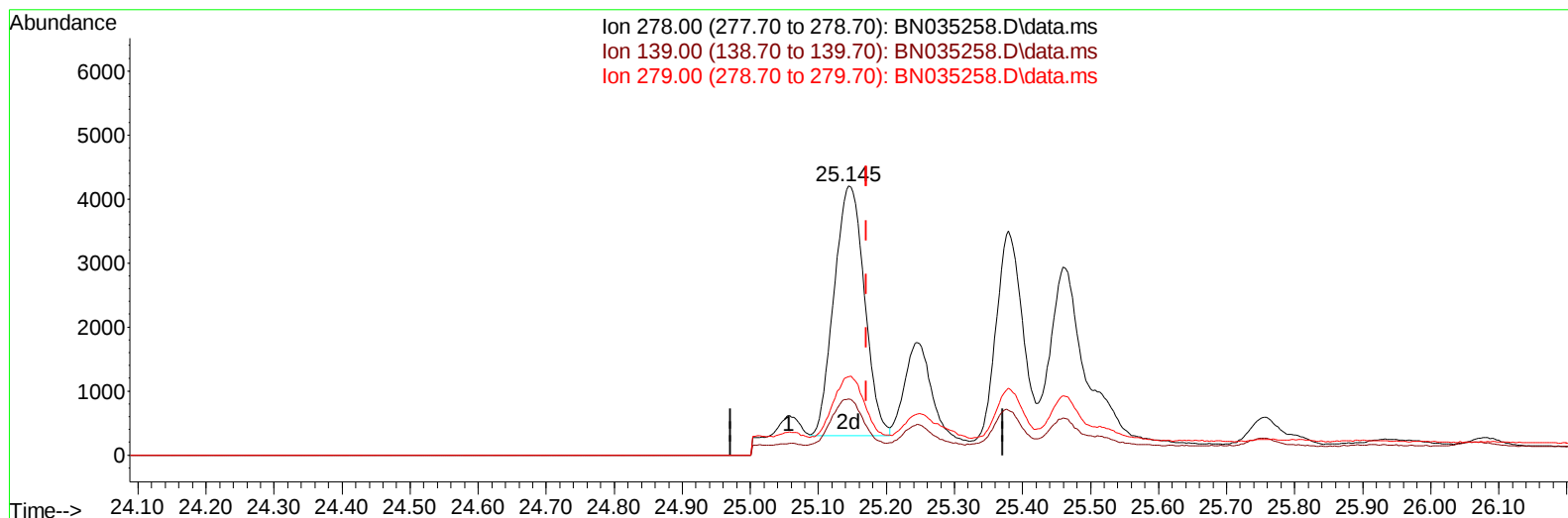
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

Quant Time: Nov 23 01:58:35 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: BN035258.D\data.ms

(28) Dibenzo(a,h)anthracene

25.145min (-0.027) 0.49 ng/ul m

response 12081

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	20.90#
279.00	28.50	29.11
0.00	0.00	0.00

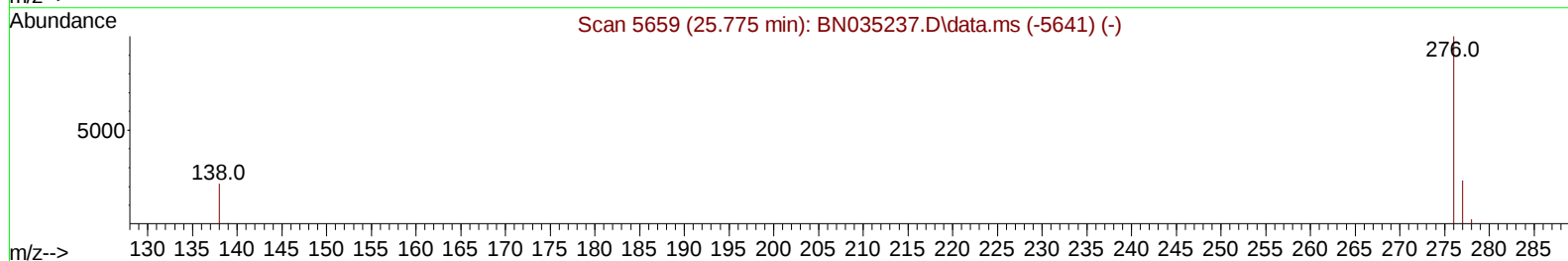
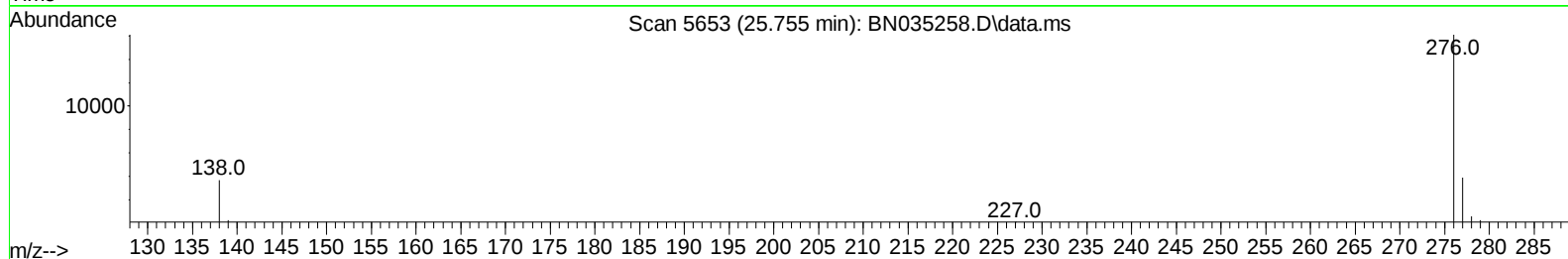
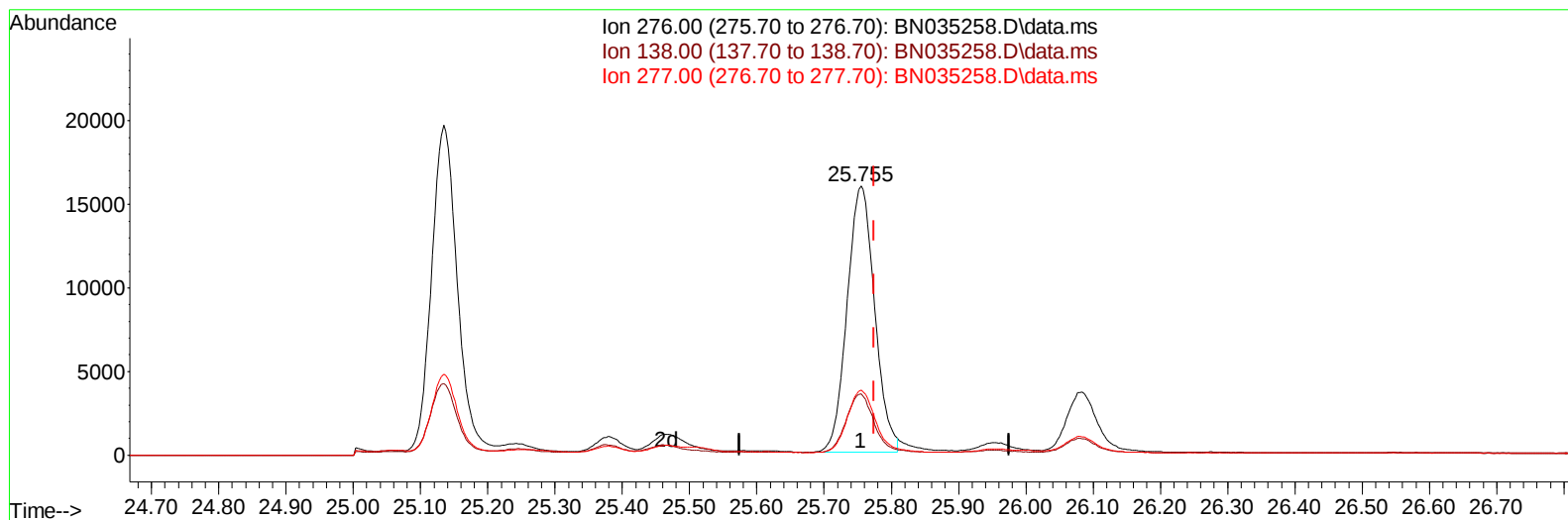
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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TIC: BN035258.D\data.ms

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

25.755min (-0.020) 1.83 ng/u1

response 45406

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	22.87#
277.00	25.60	24.23
0.00	0.00	0.00

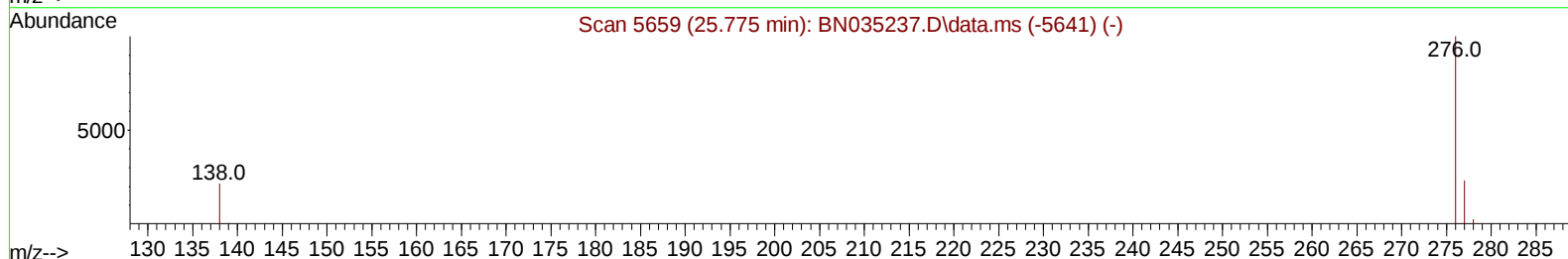
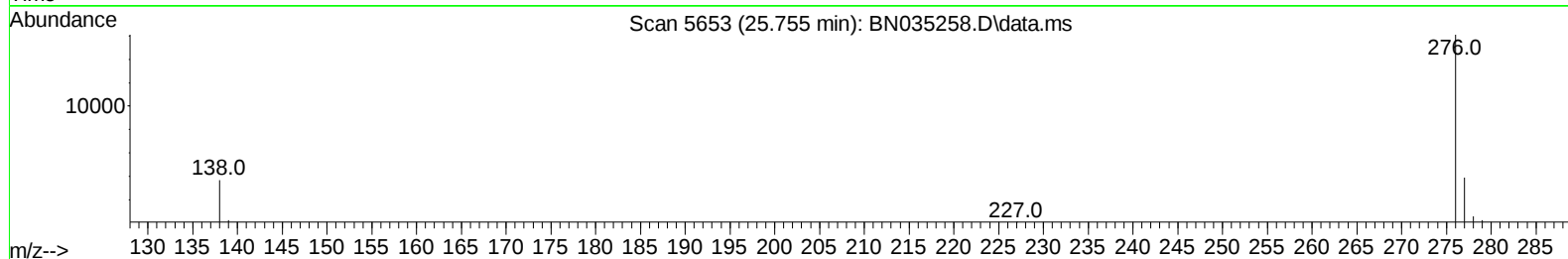
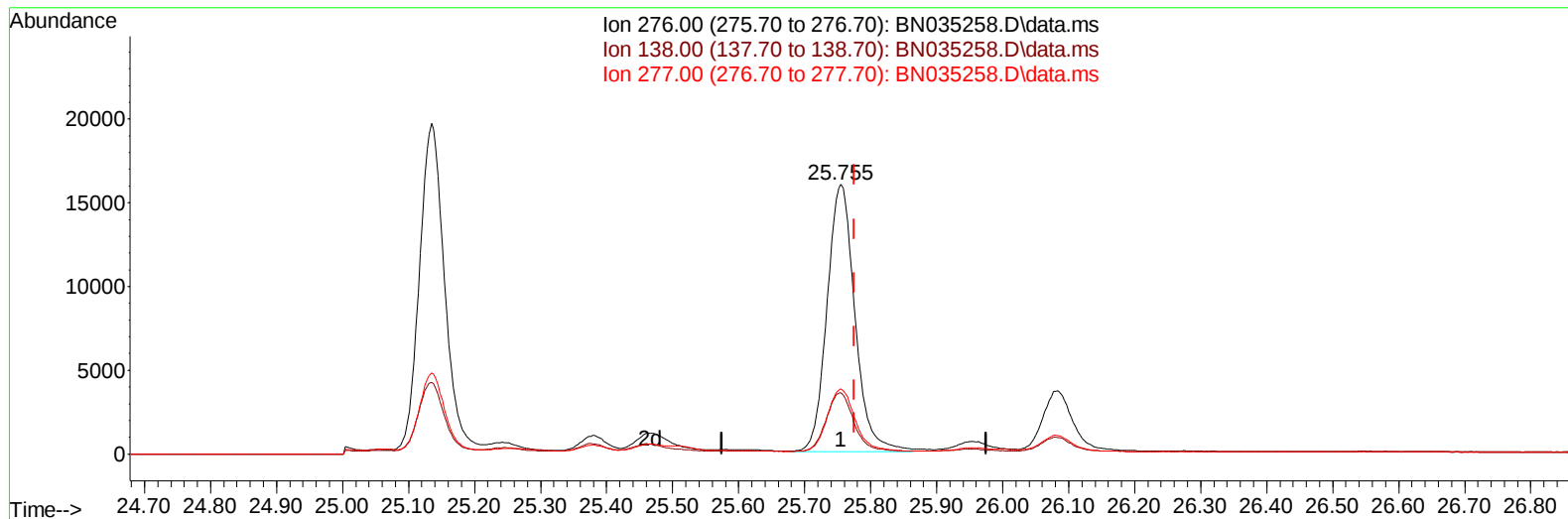
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112224\
Data File : BN035258.D
Acq On : 23 Nov 2024 01:34
Operator : RC/JU
Sample : P4872-19
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E29Y6

Manual IntegrationsAPPROVED

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TIC: BN035258.D\data.ms

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

25.755min (-0.020) 1.90 ng/u1 m

response 46969

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	22.87#
277.00	25.60	24.23
0.00	0.00	0.00

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 Sample : P4872-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E29Y6

Manual IntegrationsAPPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.318	152	3588	0.400	ng/ul	0.00
4) Naphthalene-d8	10.064	136	9569	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.977	164	6183	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.743	188	13704m	0.400	ng/ul	0.00
17) Chrysene-d12	20.988	240	10475	0.400	ng/ul	# 0.00
23) Perylene-d12	23.089	264	7705m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.972	96	12979	3.958	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.670	152	4427	0.316	ng/ul	0.00
18) Fluoranthene-d10	18.795	212	12845	0.444	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.113	128	2102	0.087	ng/ul#	93
7) 2-Methylnaphthalene	11.747	142	1285	0.077	ng/ul	97
8) 1-Methylnaphthalene	11.972	142	1493	0.088	ng/ul	99
10) Acenaphthylene	13.690	152	21004	0.856	ng/ul	99
11) Acenaphthene	14.041	153	1860	0.099	ng/ul	96
12) Fluorene	15.045	166	14503	0.658	ng/ul	99
15) Phenanthrene	16.785	178	195075	5.385	ng/ul	99
16) Anthracene	16.878	178	41669	1.239	ng/ul	99
19) Fluoranthene	18.828	202	412839	11.320	ng/ul#	96
20) Pyrene	19.195	202	301706	7.949	ng/ul#	92
21) Benzo(a)anthracene	20.973	228	153633	4.227	ng/ul	94
22) Chrysene	21.023	228	136057	3.720	ng/ul	99
24) Benzo(b)fluoranthene	22.475	252	133550m	5.244	ng/ul	
25) Benzo(k)fluoranthene	22.513	252	51597m	1.965	ng/ul	
26) Benzo(a)pyrene	22.998	252	90039m	3.868	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.135	276	52386m	1.667	ng/ul	
28) Dibenzo(a,h)anthracene	25.145	278	12081m	0.490	ng/ul	
29) Benzo(g,h,i)perylene	25.755	276	46969m	1.895	ng/ul	

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

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