

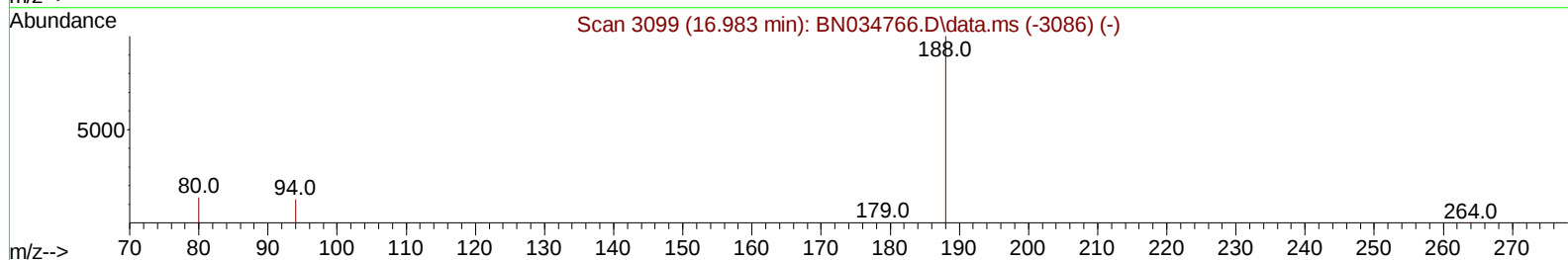
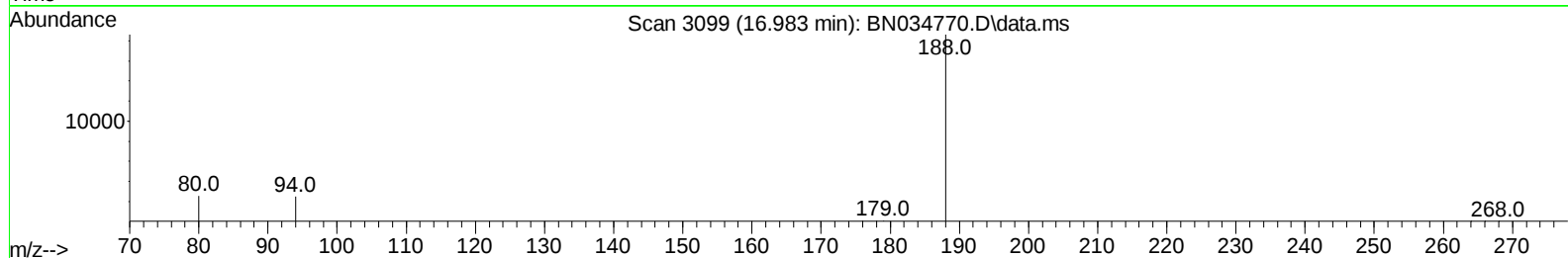
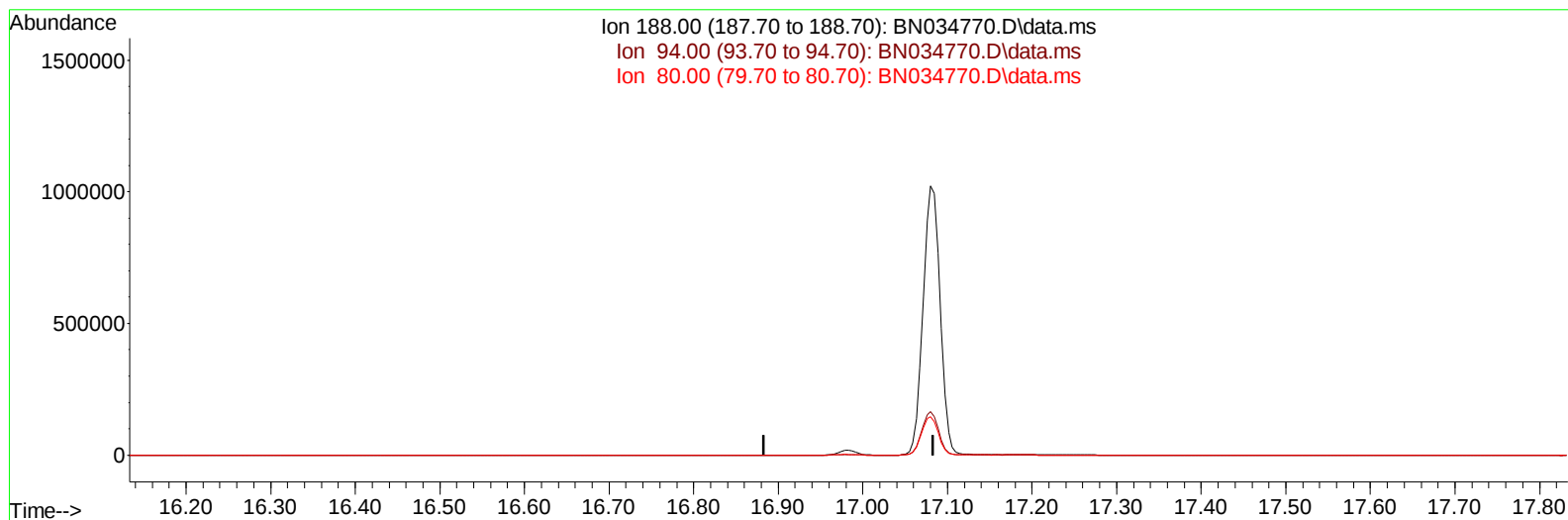
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(13) Phenanthrene-d10 (I)

16.983min (-16.983) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	13.60	0.00#
80.00	14.50	0.00#
0.00	0.00	0.00

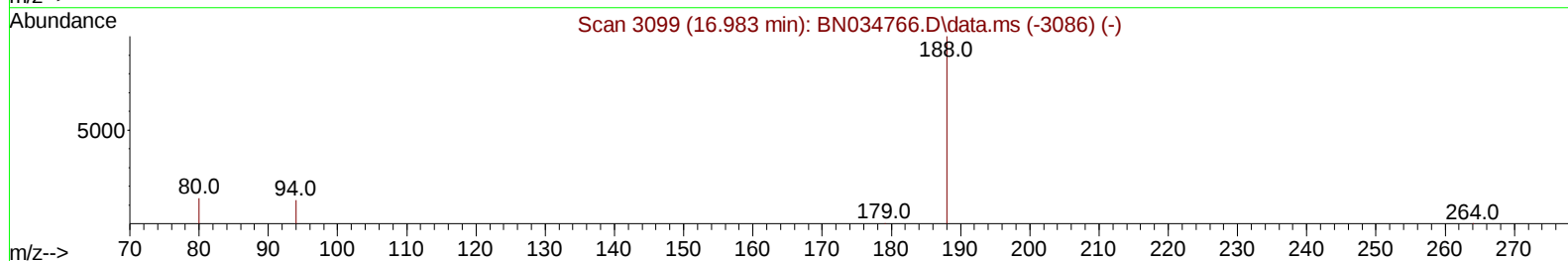
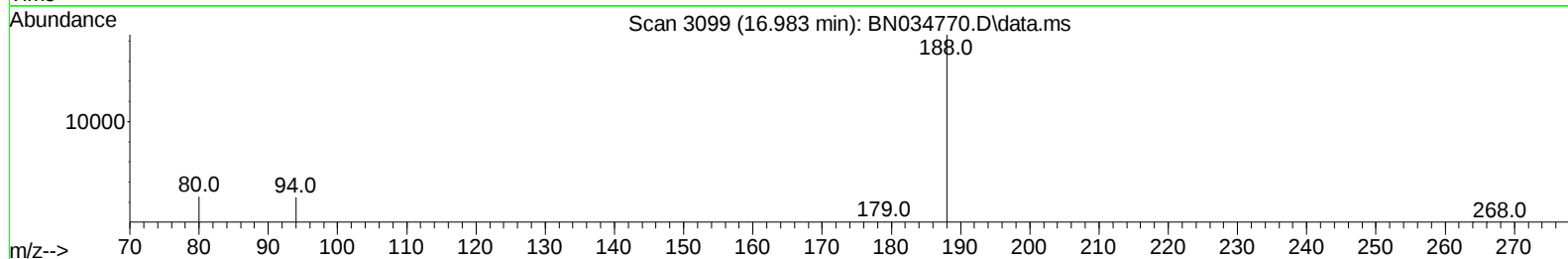
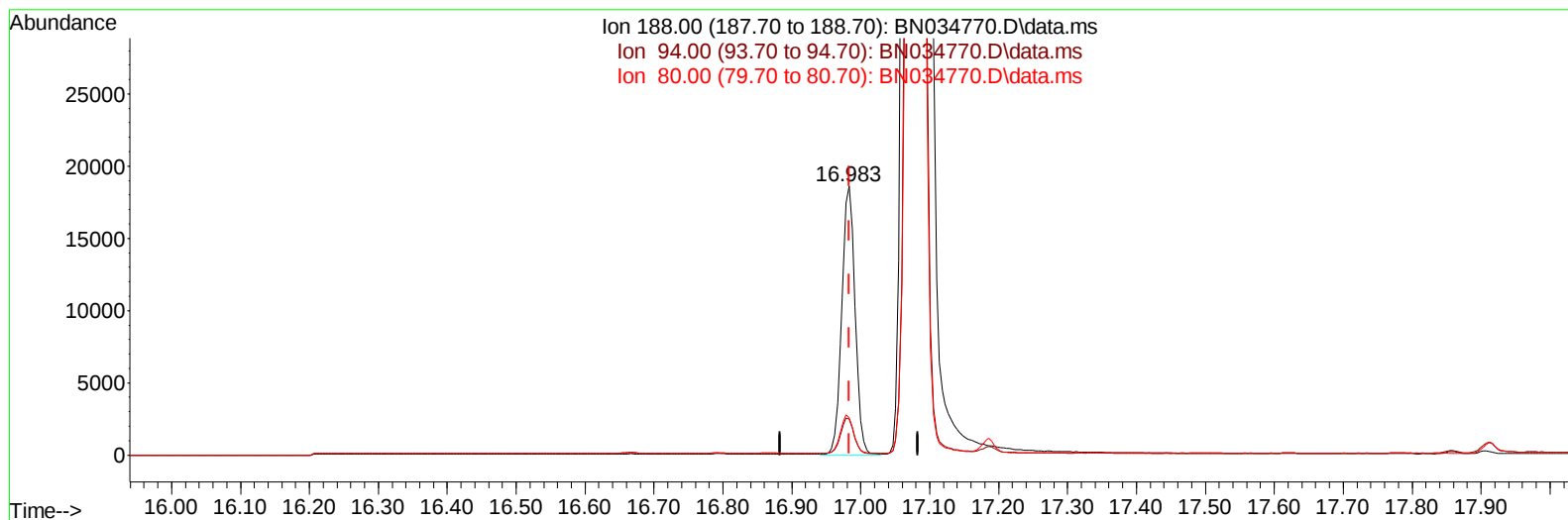
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(13) Phenanthrene-d10 (I)

16.983min (-0.000) 0.40 ng/u1 m

response 24893

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.60	13.36
80.00	14.50	13.88
0.00	0.00	0.00

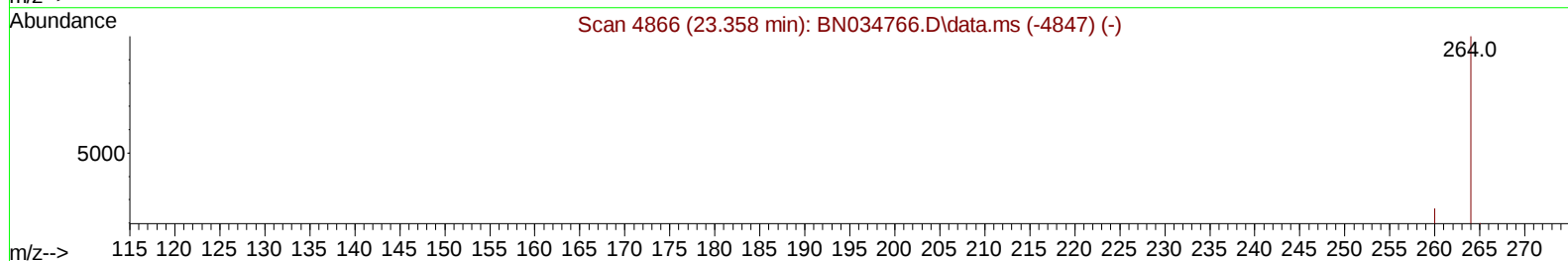
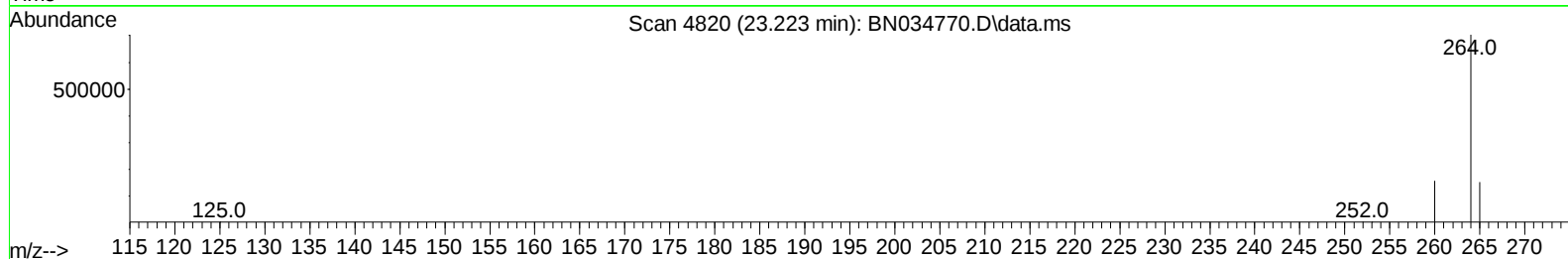
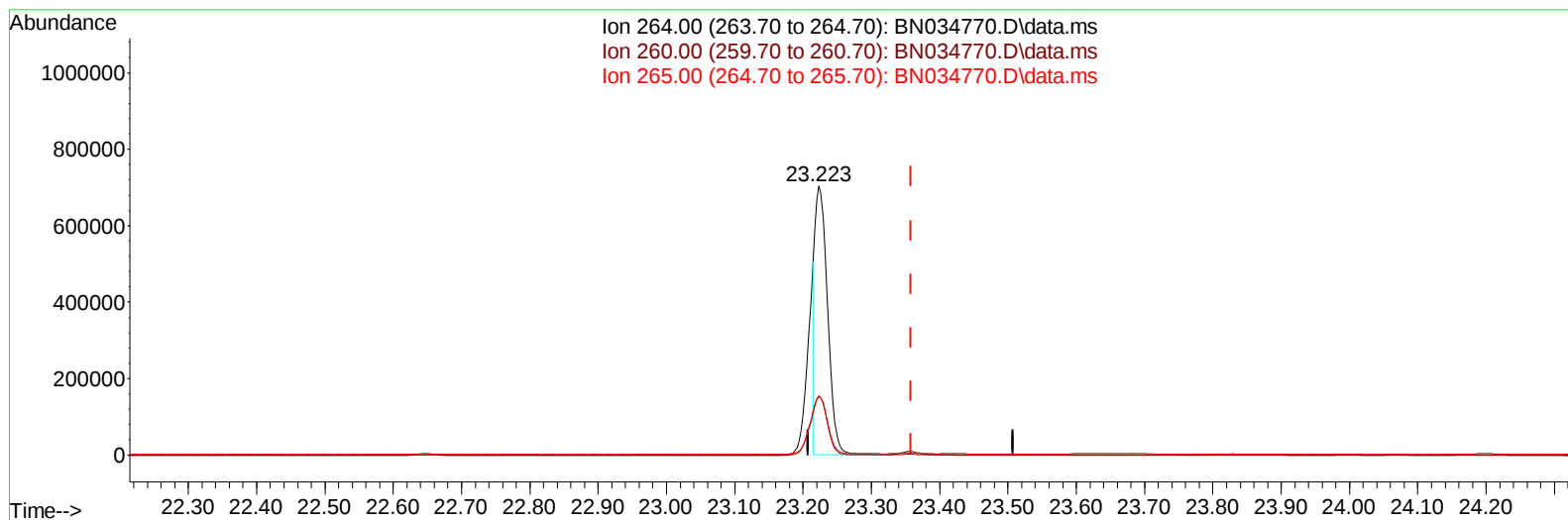
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
 Data File : BN034770.D
 Acq On : 31 Oct 2024 17:40
 Operator : RC/JU
 Sample : P4435-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 31 11:13:08 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(23) Perylene-d12 (I)

23.223min (-0.135) 0.40 ng/u1

response 899950

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.60	22.04#
265.00	57.90	21.67#
0.00	0.00	0.00

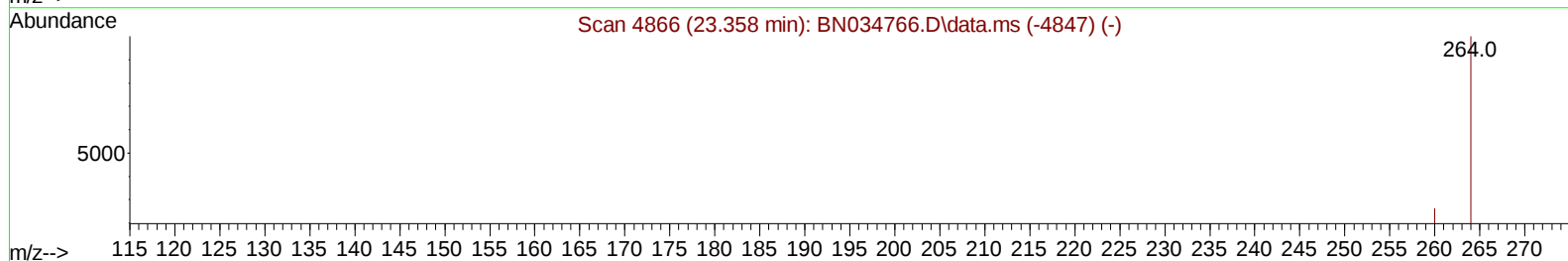
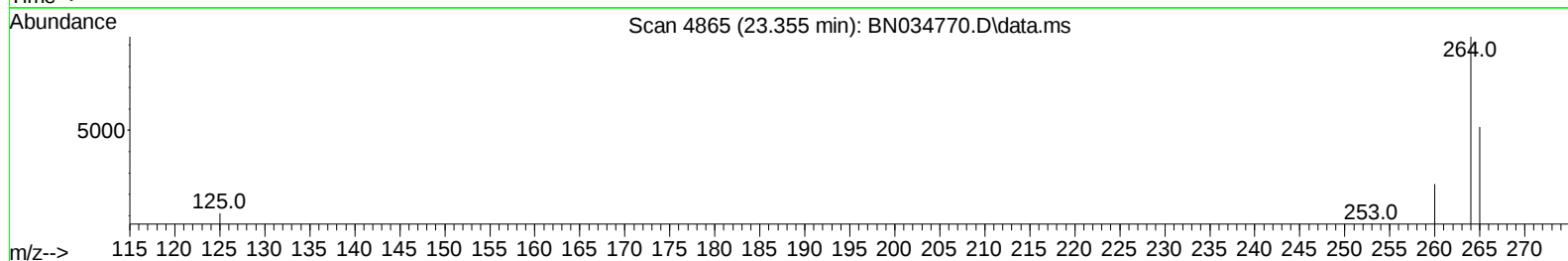
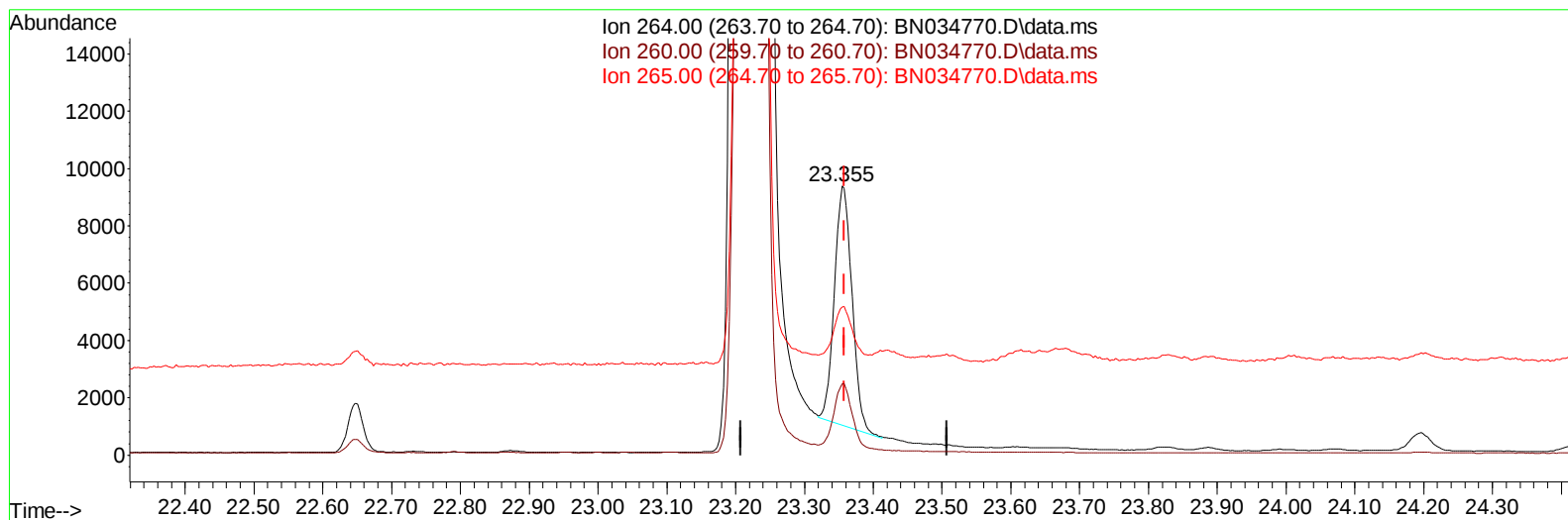
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(23) Perylene-d12 (I)

23.355min (-0.003) 0.40 ng/ul m

response 14833

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.60	26.58
265.00	57.90	55.12
0.00	0.00	0.00

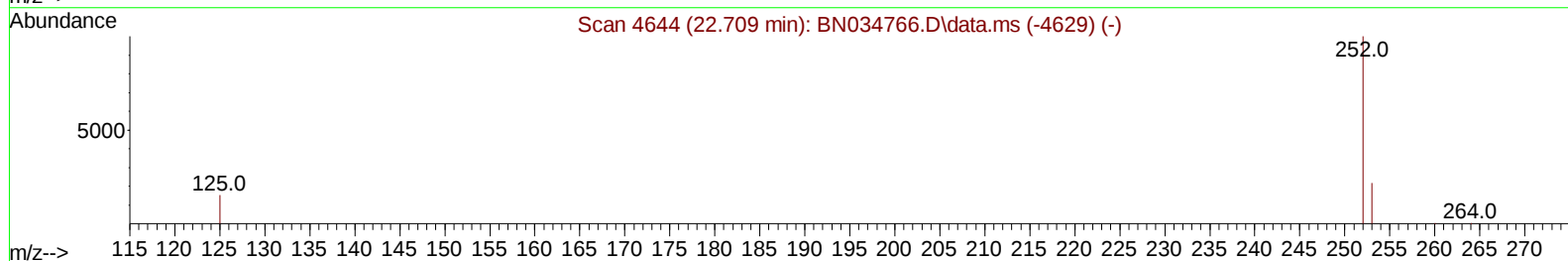
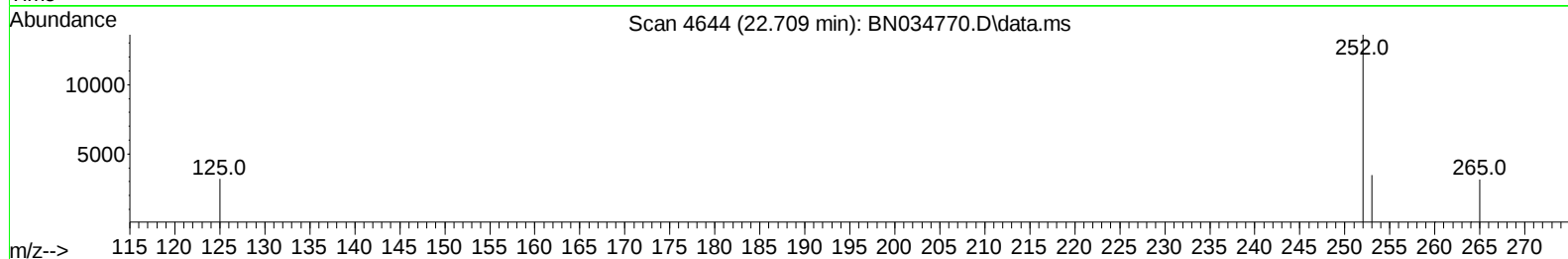
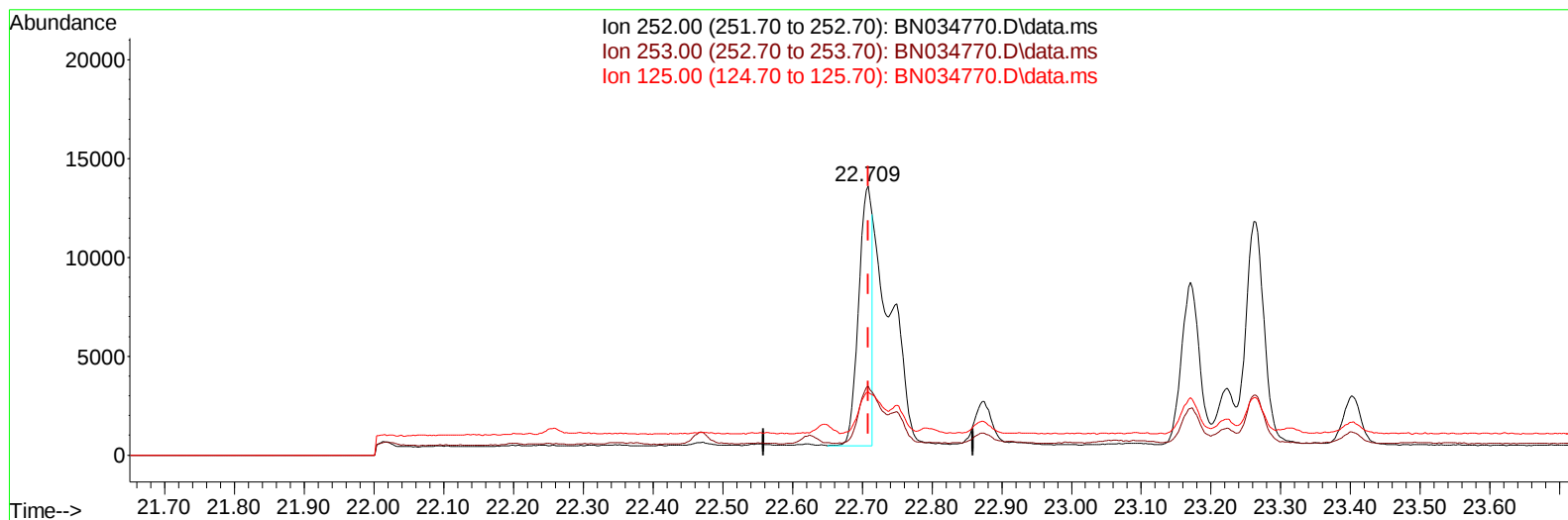
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(24) Benzo(b)fluoranthene

22.709min (-0.000) 0.29 ng/u1

response 17578

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.80	25.62
125.00	20.70	23.40
0.00	0.00	0.00

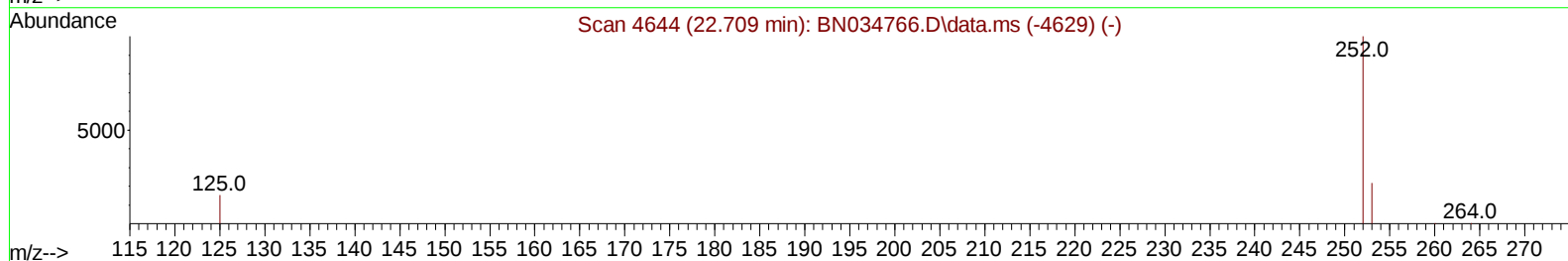
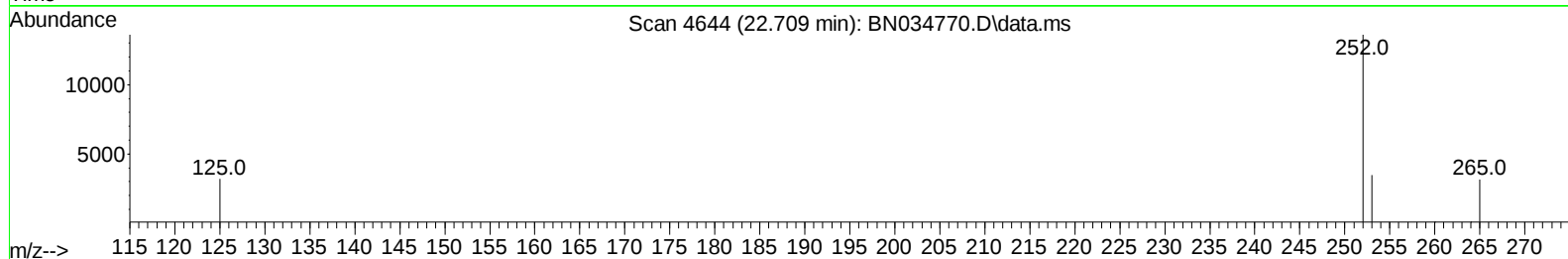
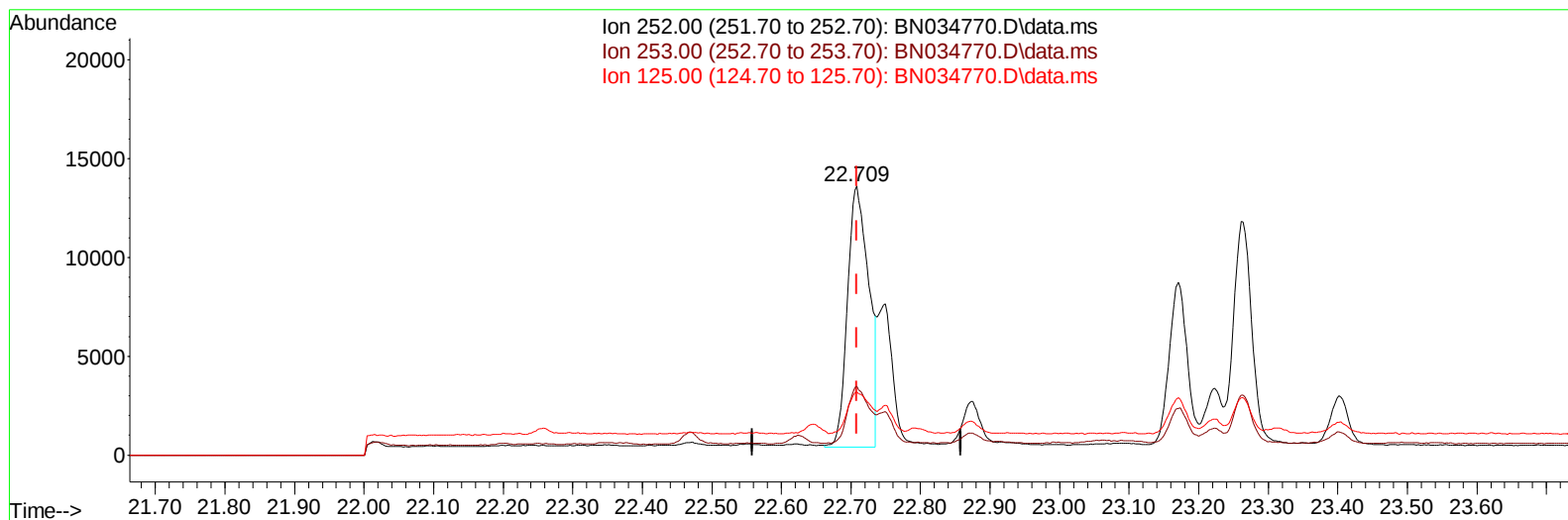
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Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(24) Benzo(b)fluoranthene

22.709min (-0.000) 0.47 ng/u1 m

response 28244

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.80	25.62
125.00	20.70	23.40
0.00	0.00	0.00

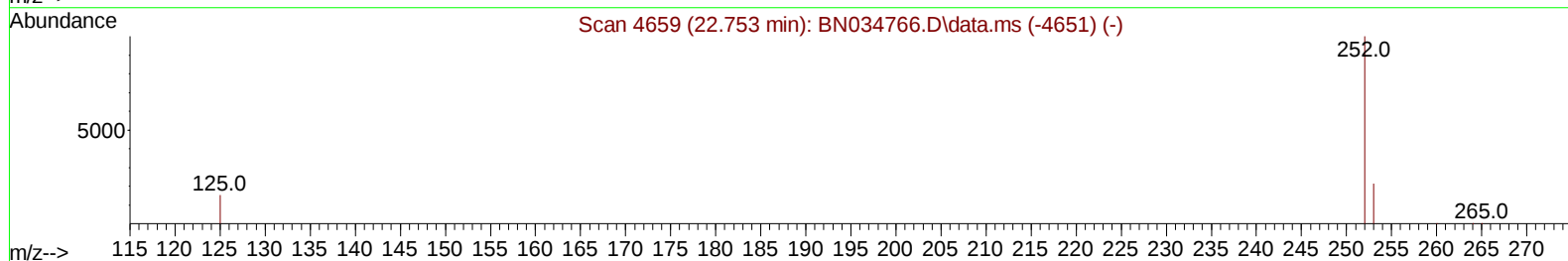
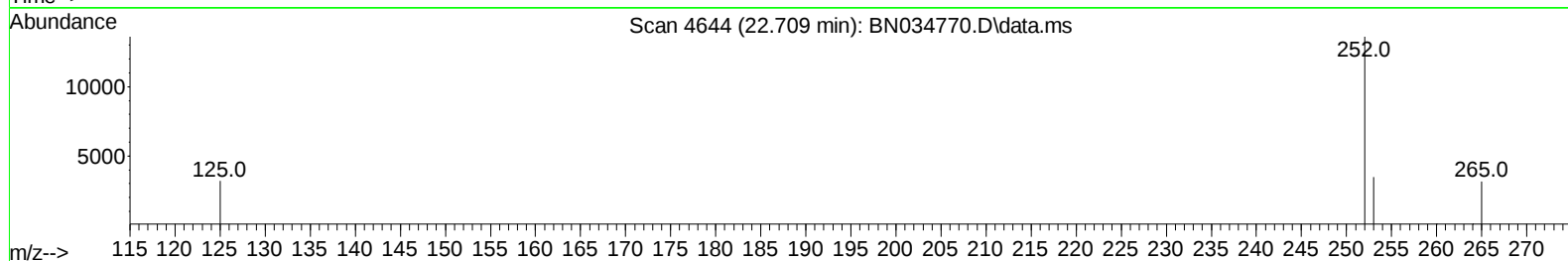
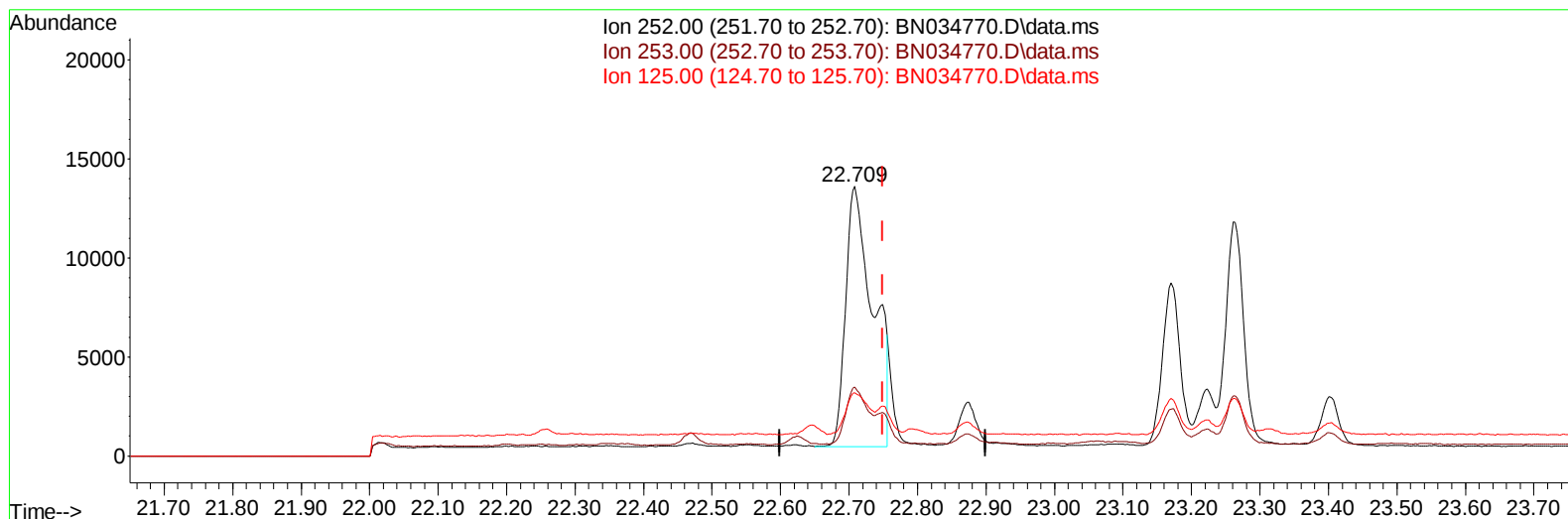
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(25) Benzo(k)fluoranthene

22.709min (-0.041) 0.59 ng/u1

response 36039

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	25.62
125.00	21.20	23.40
0.00	0.00	0.00

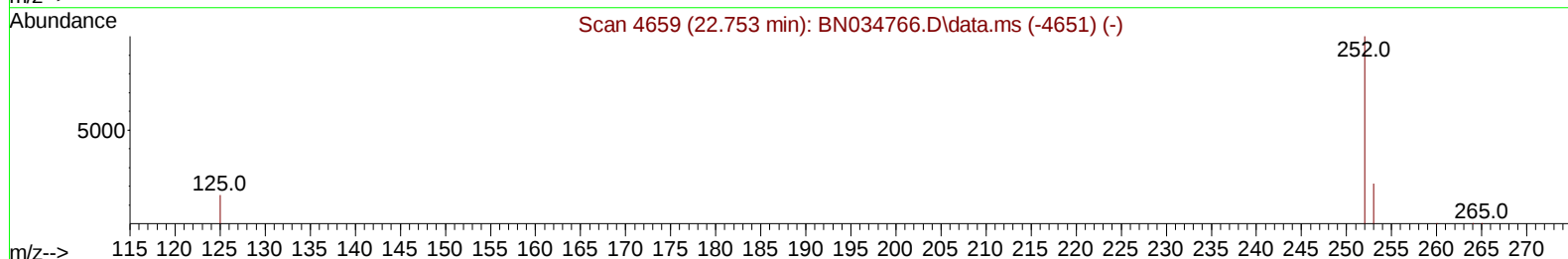
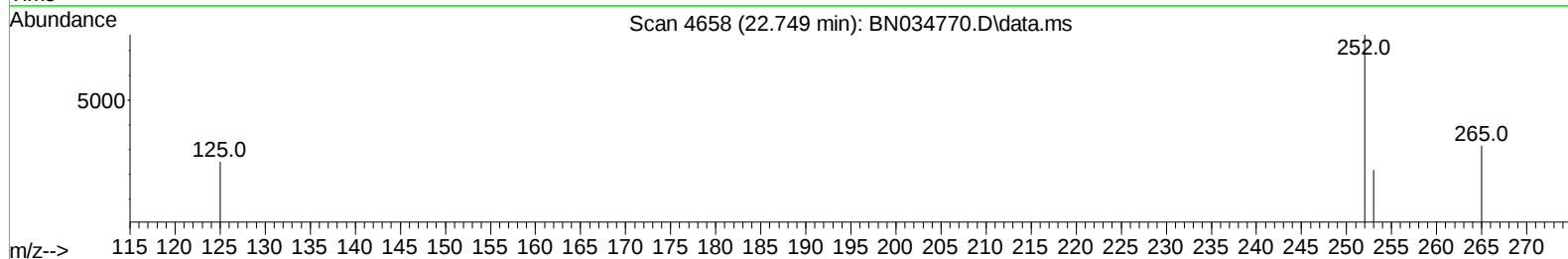
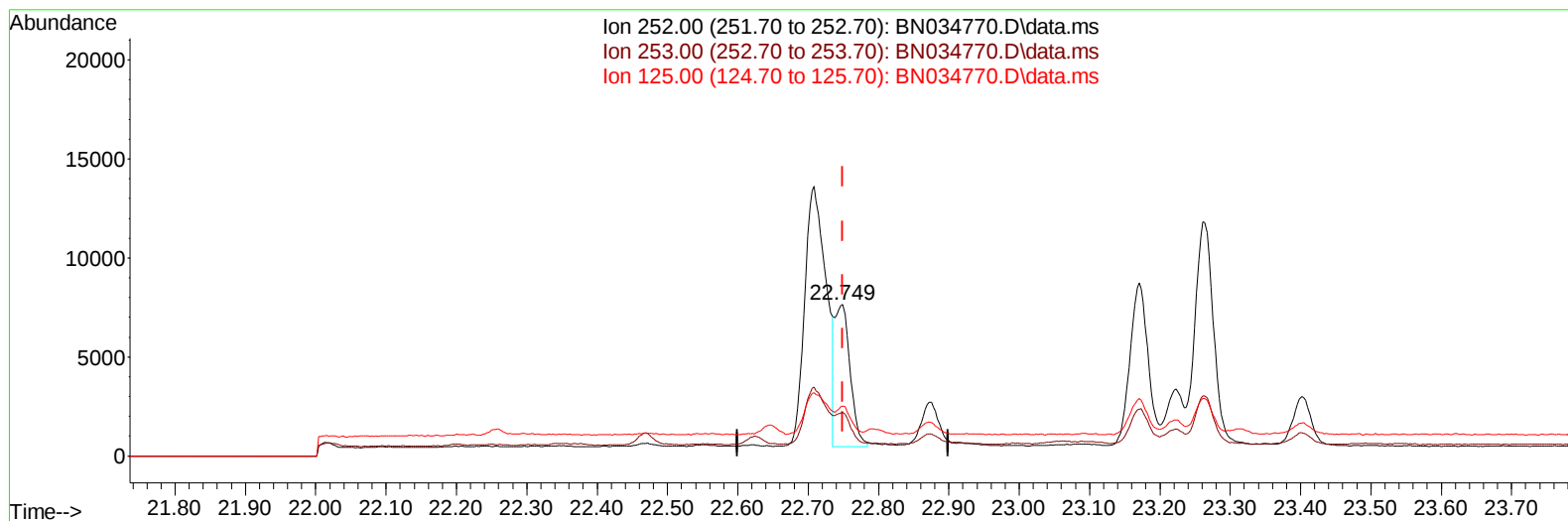
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Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(25) Benzo(k)fluoranthene

22.749min (-0.000) 0.18 ng/u1 m

response 10752

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	28.61
125.00	21.20	32.98#
0.00	0.00	0.00

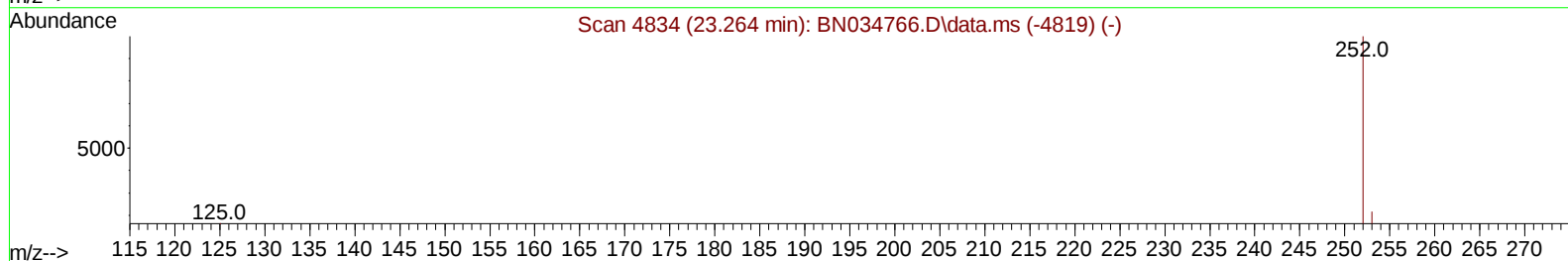
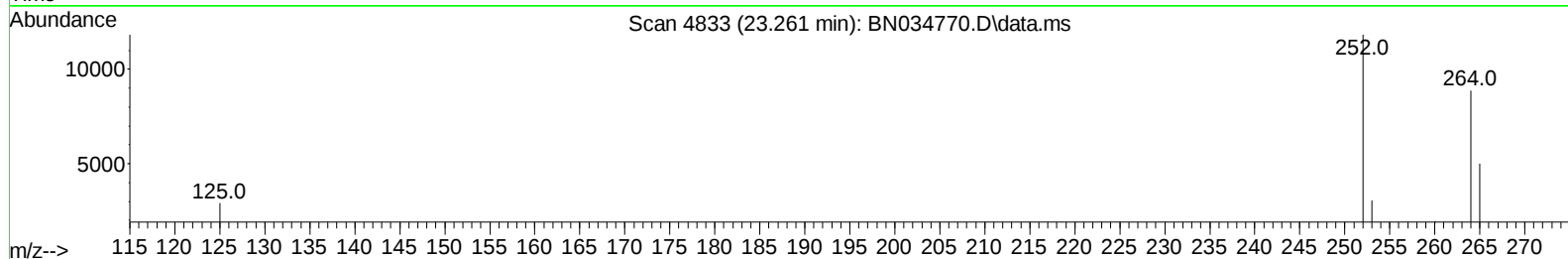
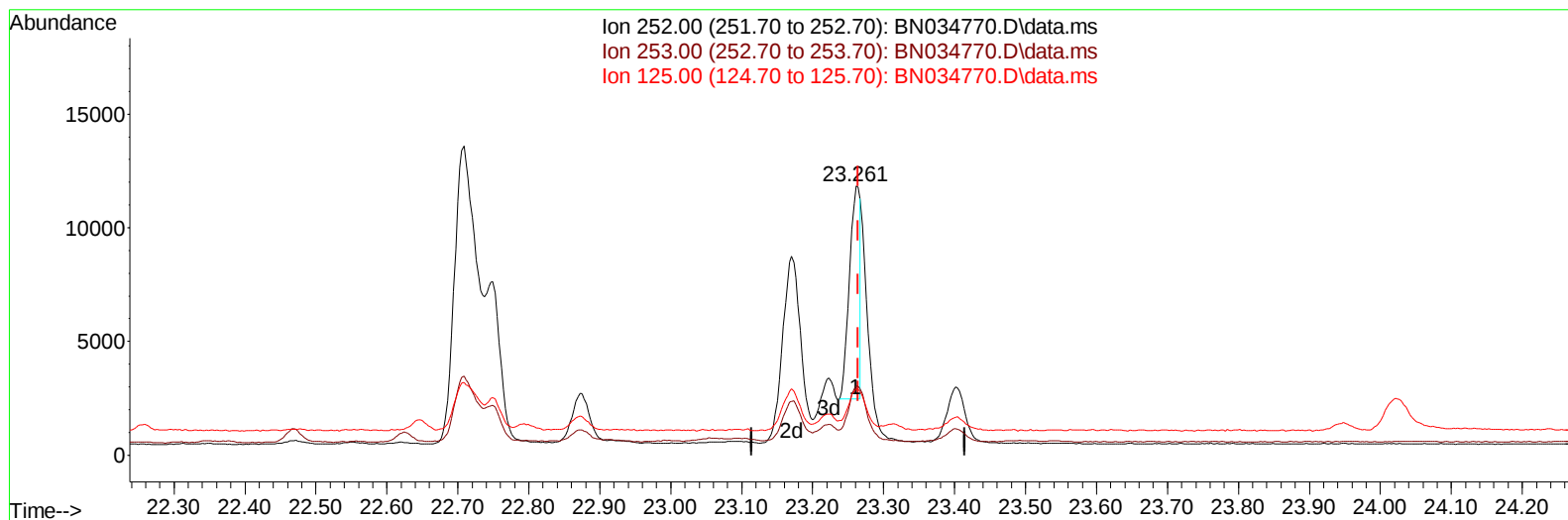
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
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TIC: BN034770.D\data.ms

(26) Benzo(a)pyrene (C)

23.261min (-0.003) 0.19 ng/u1

response 10021

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	25.70
125.00	24.70	24.66
0.00	0.00	0.00

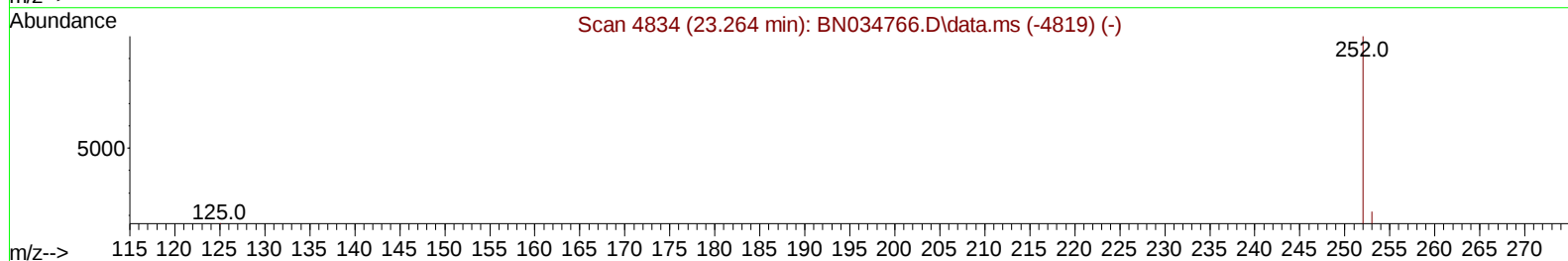
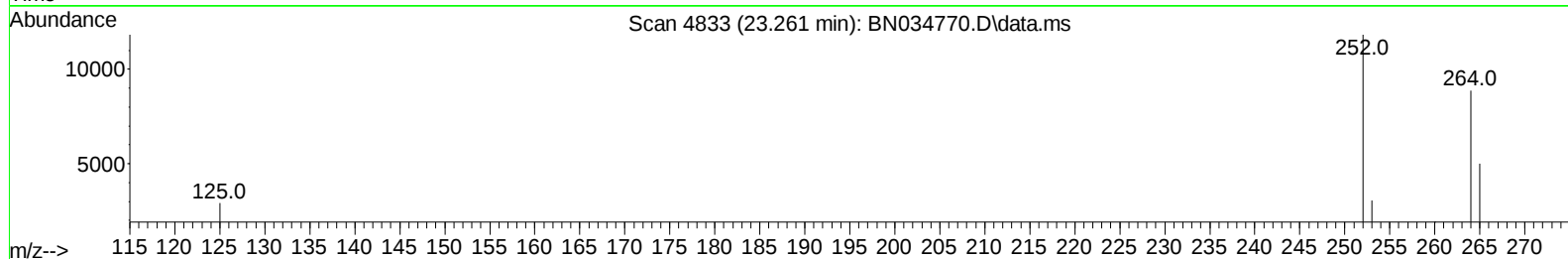
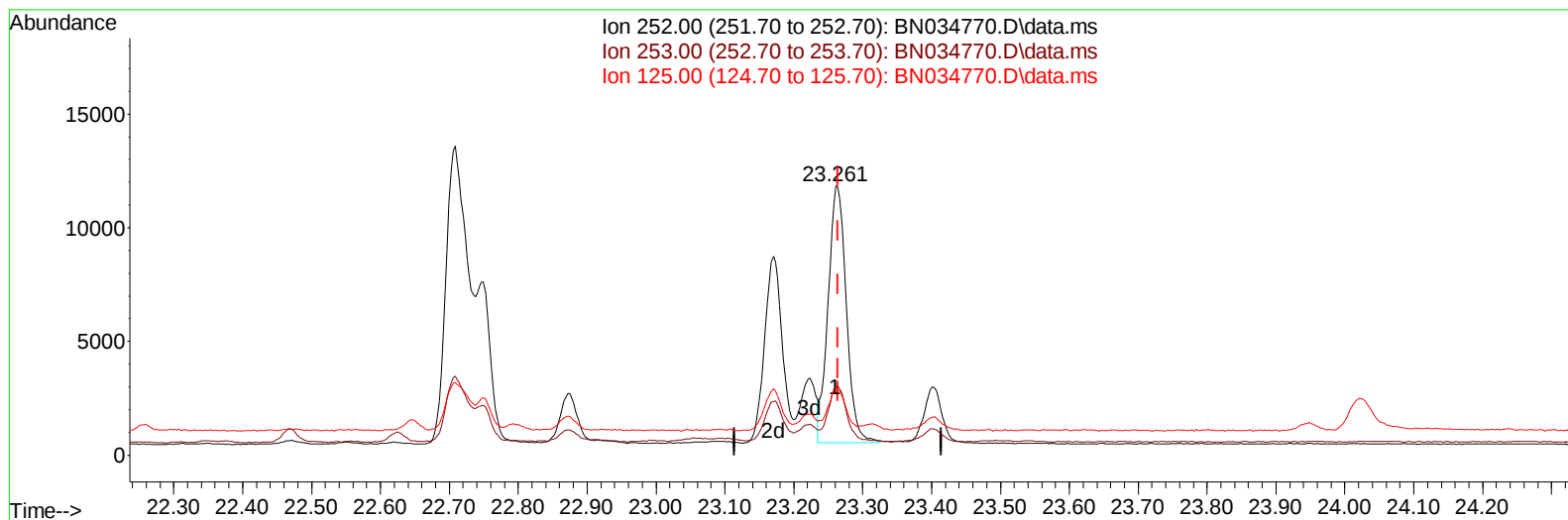
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 11:13:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(26) Benzo(a)pyrene (C)

23.261min (-0.003) 0.40 ng/u1 m

response 20689

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	25.70
125.00	24.70	24.66
0.00	0.00	0.00

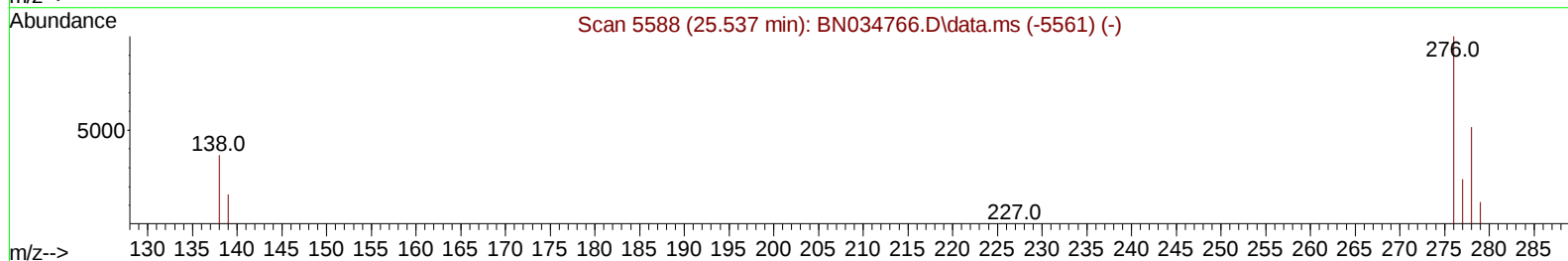
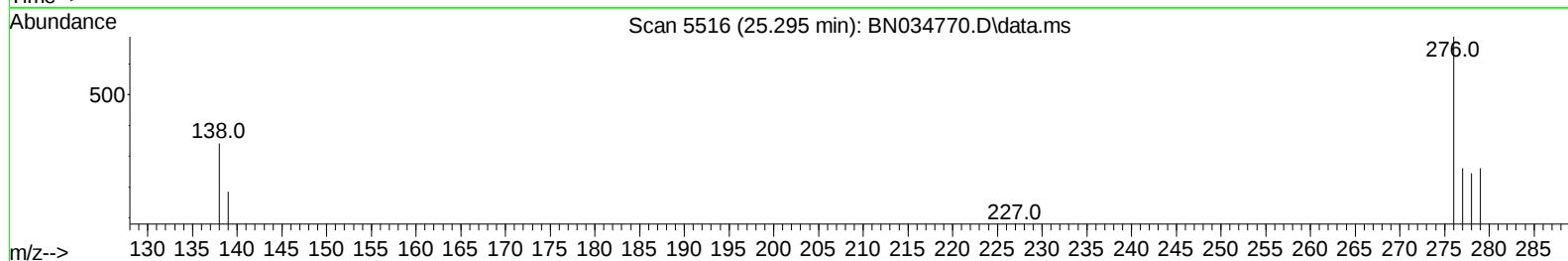
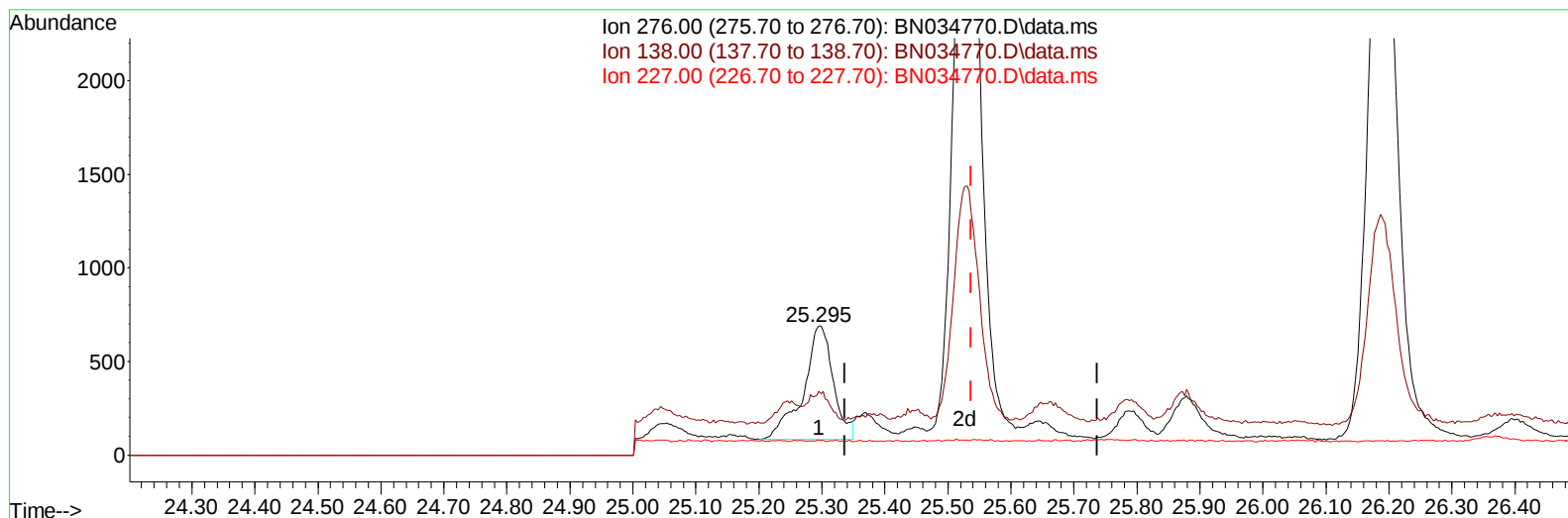
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
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TIC: BN034770.D\data.ms

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

25.295min (-0.242) 0.04 ng/u1

response 2005

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	39.70	17.01#
227.00	0.30	0.25
0.00	0.00	0.00

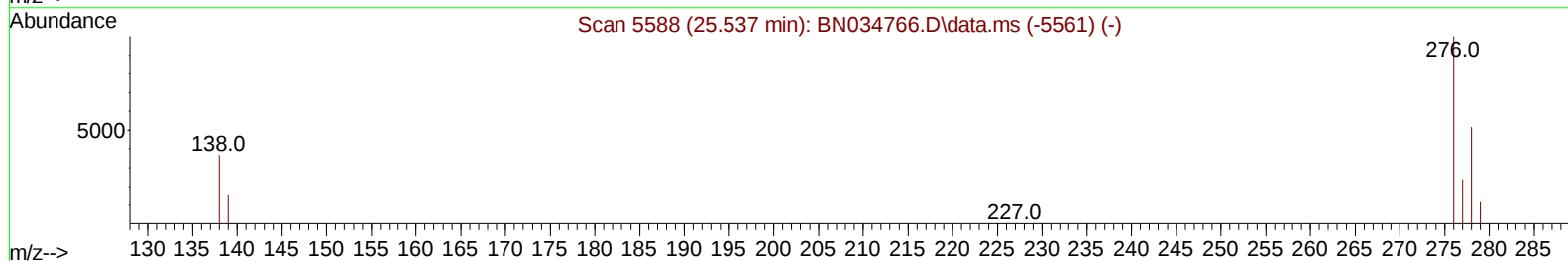
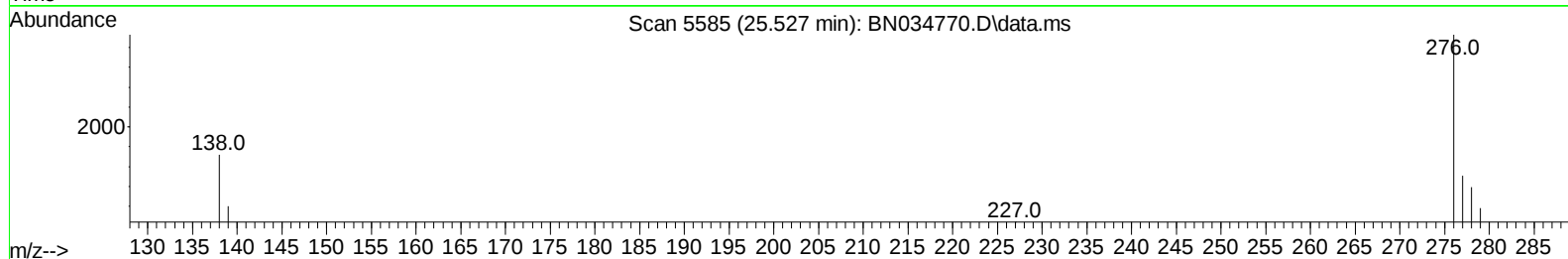
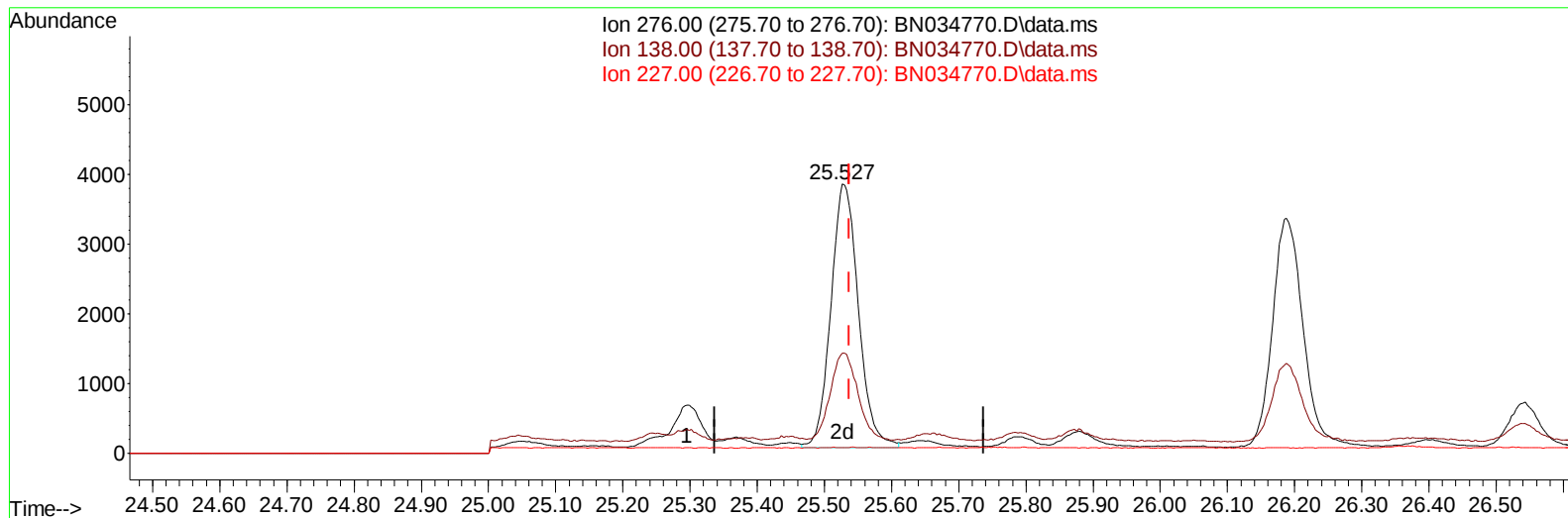
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

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

25.527min (-0.010) 0.19 ng/u1 m

response 10773

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	39.70	3.17#
227.00	0.30	0.05#
0.00	0.00	0.00

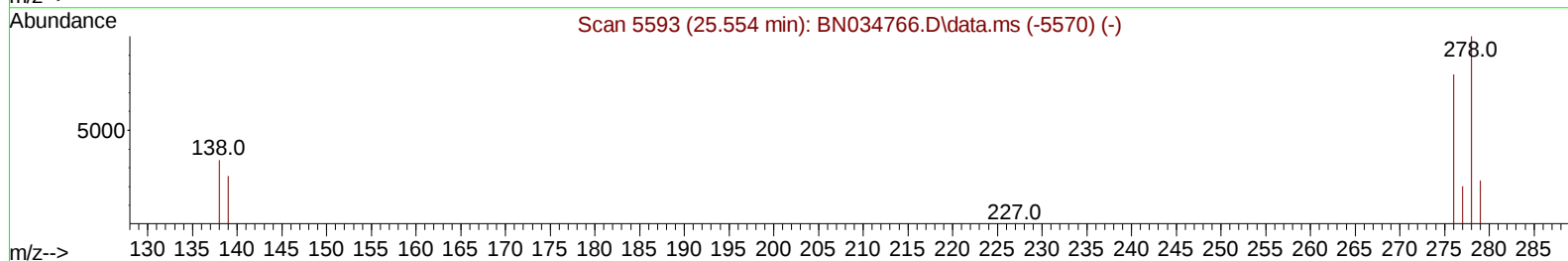
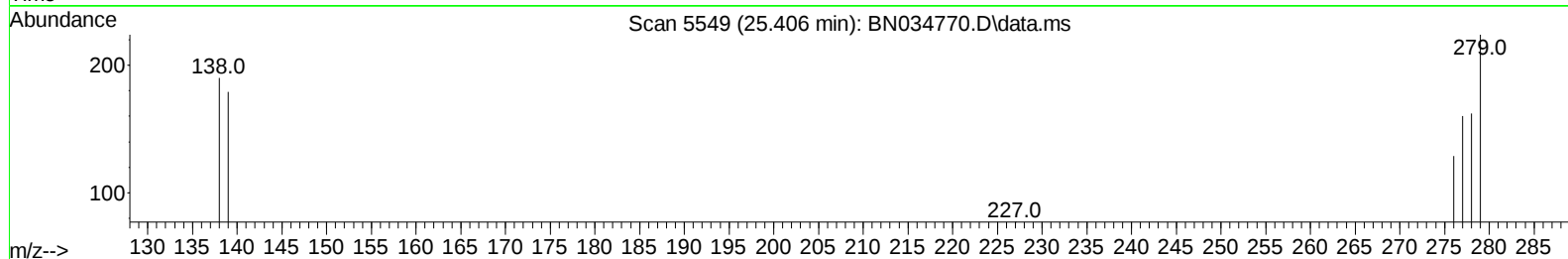
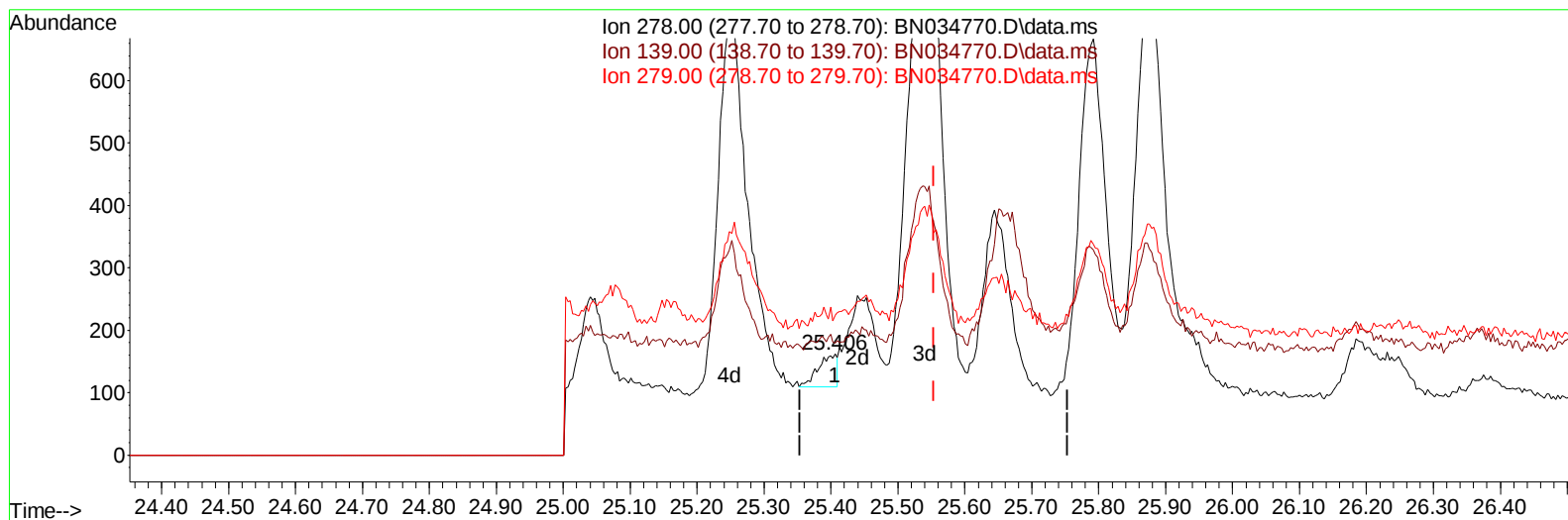
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
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TIC: BN034770.D\data.ms

(28) Dibenzo(a,h)anthracene

25.406min (-0.148) 0.00 ng/u1

response 103

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	29.30	110.49#
279.00	25.80	138.27#
0.00	0.00	0.00

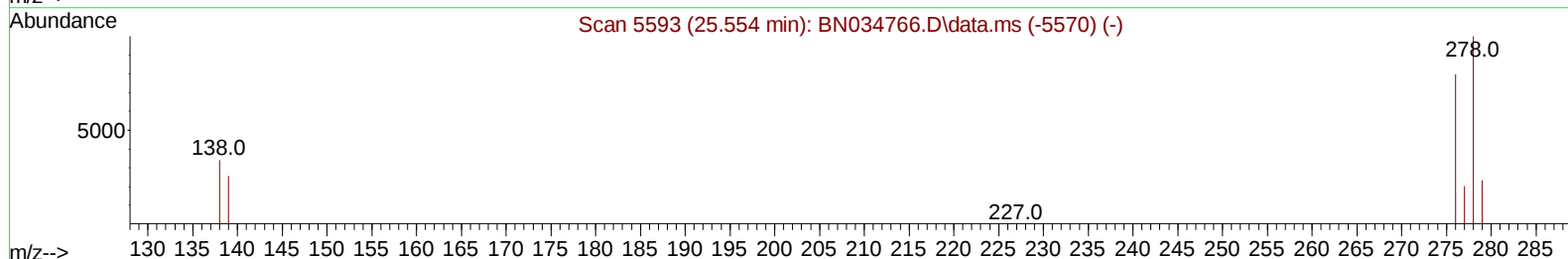
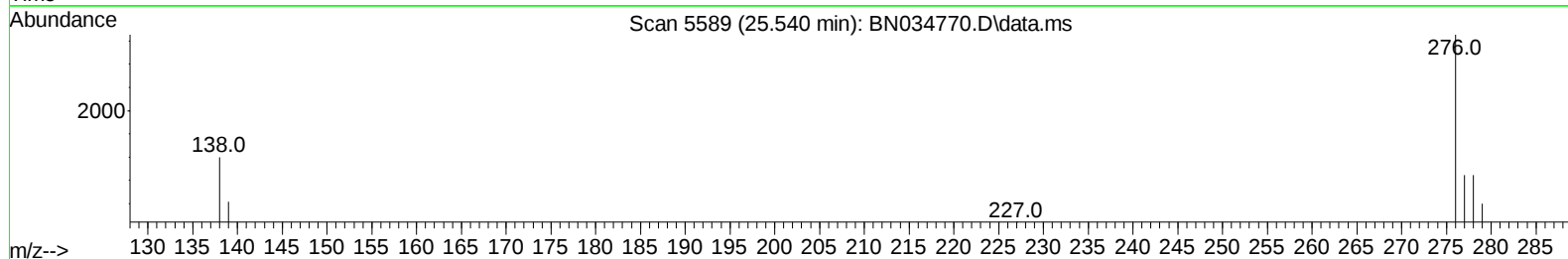
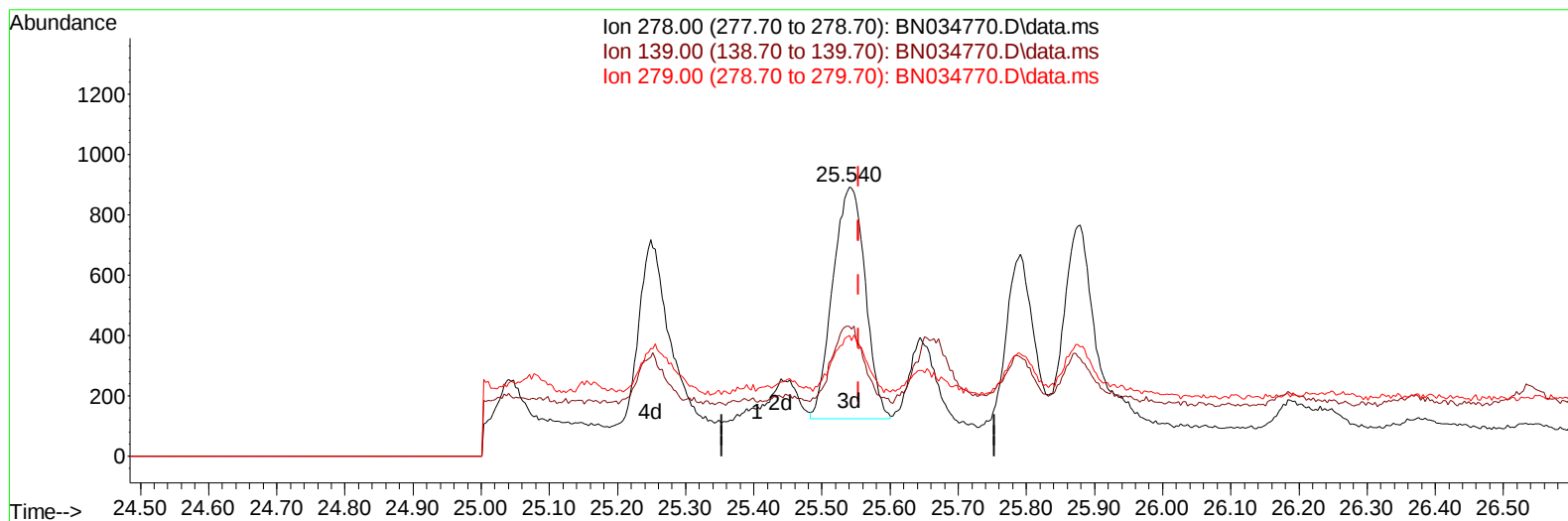
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
 Data File : BN034770.D
 Acq On : 31 Oct 2024 17:40
 Operator : RC/JU
 Sample : P4435-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 31 11:13:08 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/05/2024



TIC: BN034770.D\data.ms

(28) Dibenzo(a,h)anthracene

25.540min (-0.014) 0.06 ng/ul m

response 2551

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	29.30	48.10#
279.00	25.80	44.63#
0.00	0.00	0.00

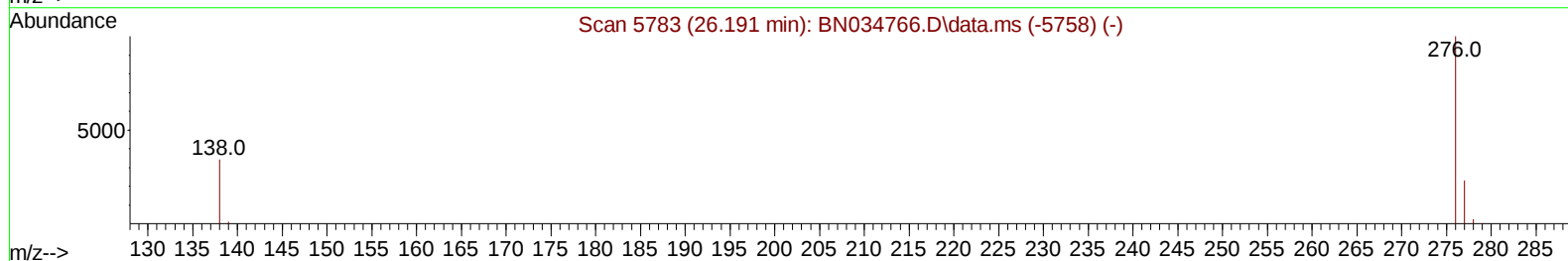
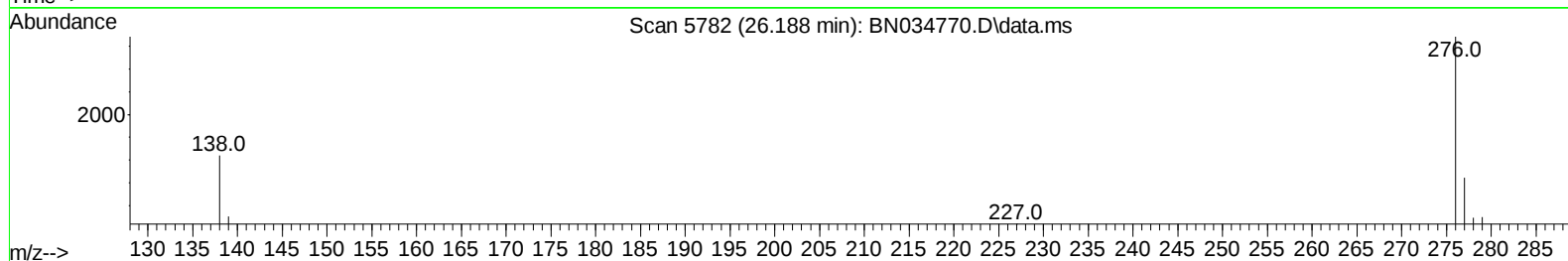
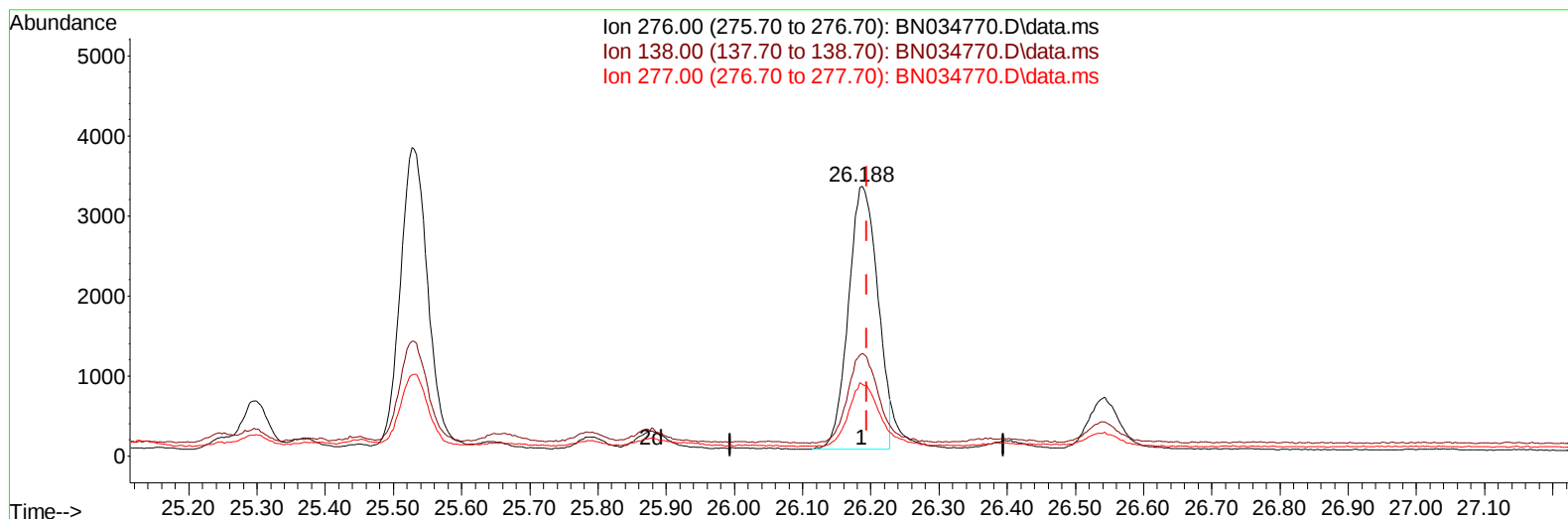
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
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Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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TIC: BN034770.D\data.ms

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

26.188min (-0.007) 0.23 ng/u1

response 9801

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	36.00	38.19
277.00	25.20	26.46
0.00	0.00	0.00

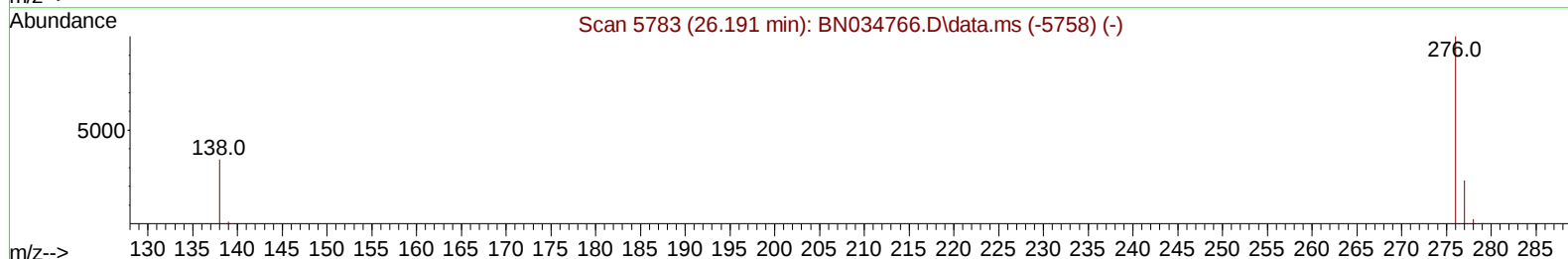
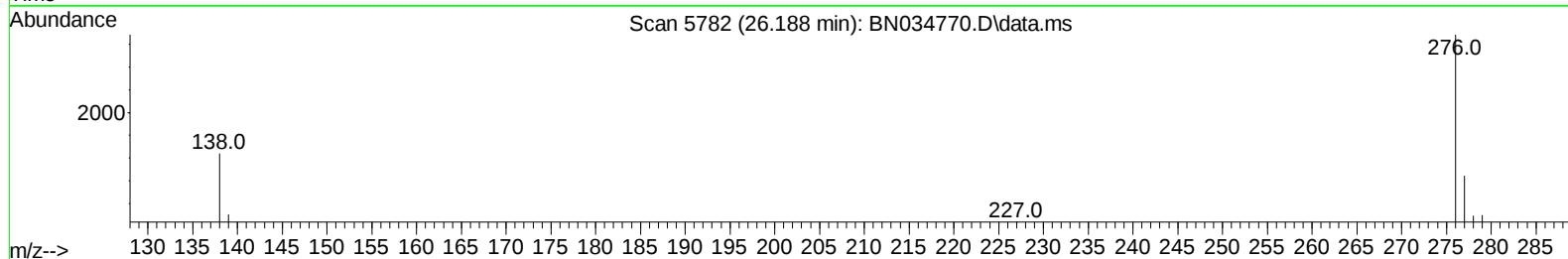
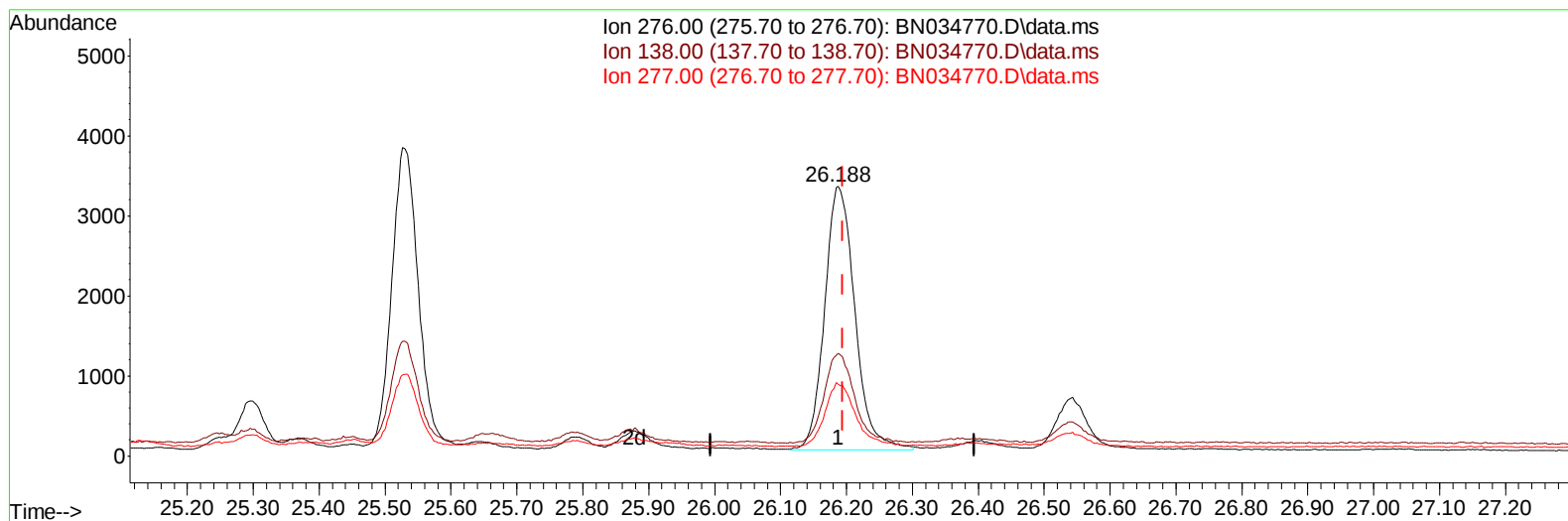
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034770.D
Acq On : 31 Oct 2024 17:40
Operator : RC/JU
Sample : P4435-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHK68

Manual IntegrationsAPPROVED

Quant Time: Oct 31 18:16:47 2024
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TIC: BN034770.D\data.ms

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

26.188min (-0.007) 0.24 ng/ul m

response 10495

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	36.00	38.19
277.00	25.20	26.46
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.604	152	6820	0.400	ng/ul	0.00
4) Naphthalene-d8	10.372	136	21494	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.236	164	12187	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.983	188	24893m	0.400	ng/ul	0.00
17) Chrysene-d12	21.174	240	17654	0.400	ng/ul	0.00
23) Perylene-d12	23.355	264	14833m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.170	96	33099	4.688	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.967	152	9367	0.348	ng/ul	0.00
18) Fluoranthene-d10	19.014	212	20692	0.360	ng/ul	0.00
Target Compounds						
					Qvalue	
8) 1-Methylnaphthalene	12.264	142	825	0.022	ng/ul	99
10) Acenaphthylene	13.953	152	7167	0.129	ng/ul	98
11) Acenaphthene	14.300	153	1833	0.043	ng/ul	96
12) Fluorene	15.290	166	2722	0.058	ng/ul#	98
15) Phenanthrene	17.021	178	44941	0.597	ng/ul	99
16) Anthracene	17.114	178	6877	0.099	ng/ul	97
19) Fluoranthene	19.042	202	71181	0.831	ng/ul	98
20) Pyrene	19.409	202	71096	0.797	ng/ul	100
21) Benzo(a)anthracene	21.157	228	24317	0.344	ng/ul	95
22) Chrysene	21.209	228	29078	0.411	ng/ul	98
24) Benzo(b)fluoranthene	22.709	252	28244m	0.468	ng/ul	
25) Benzo(k)fluoranthene	22.749	252	10752m	0.177	ng/ul	
26) Benzo(a)pyrene	23.261	252	20689m	0.398	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.527	276	10773m	0.195	ng/ul	
28) Dibenzo(a,h)anthracene	25.540	278	2551m	0.061	ng/ul	
29) Benzo(g,h,i)perylene	26.188	276	10495m	0.241	ng/ul	

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

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