

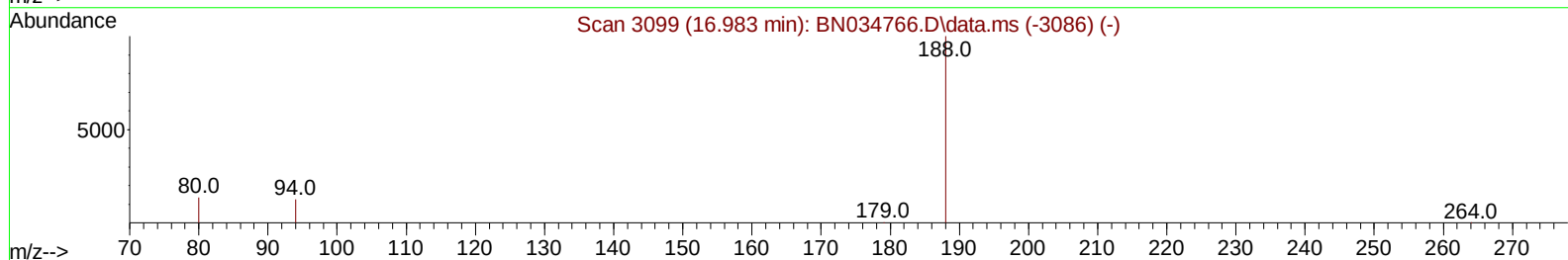
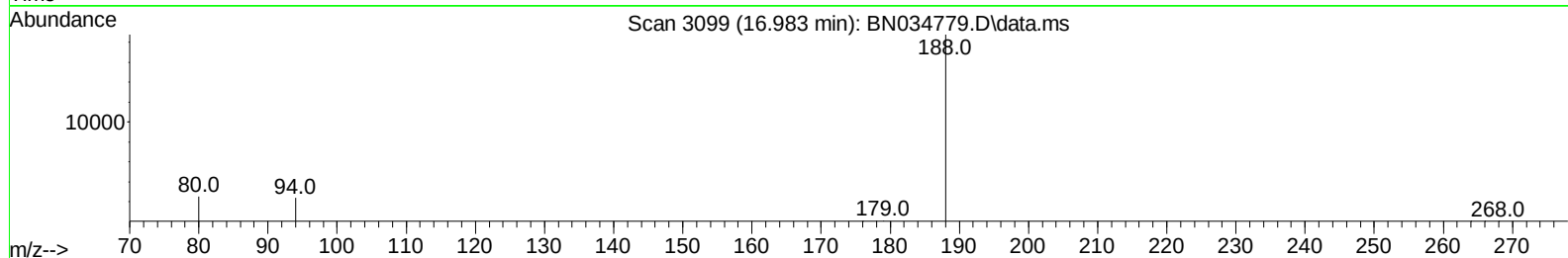
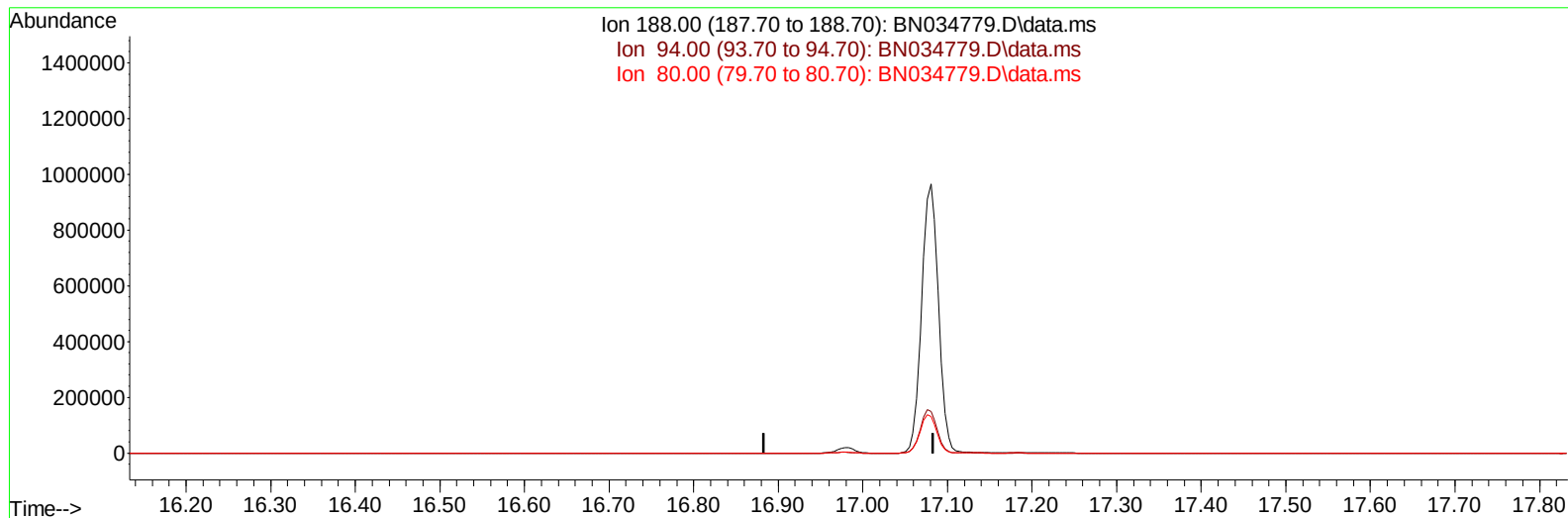
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.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

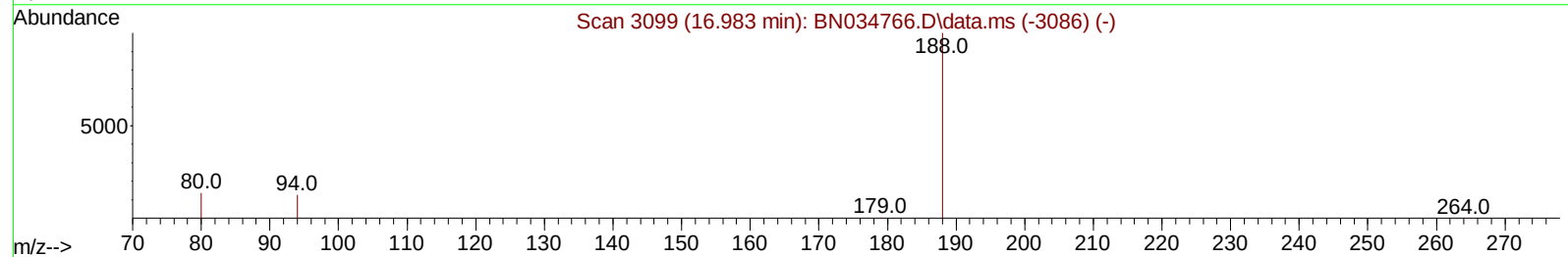
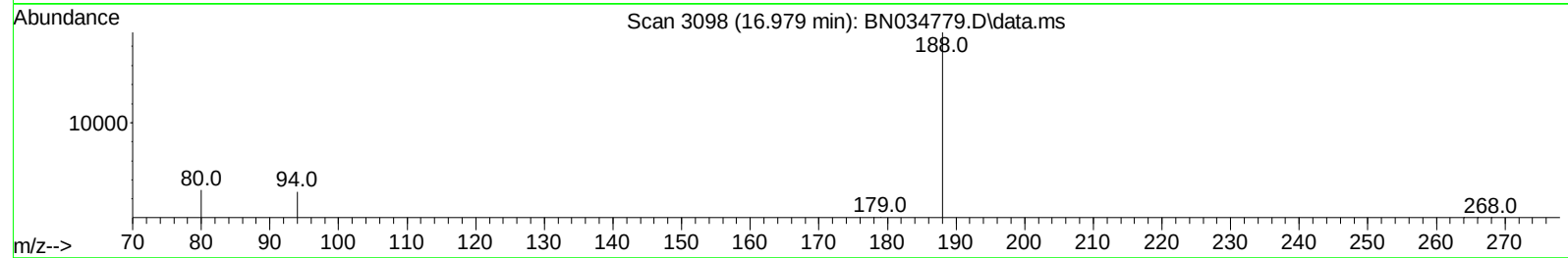
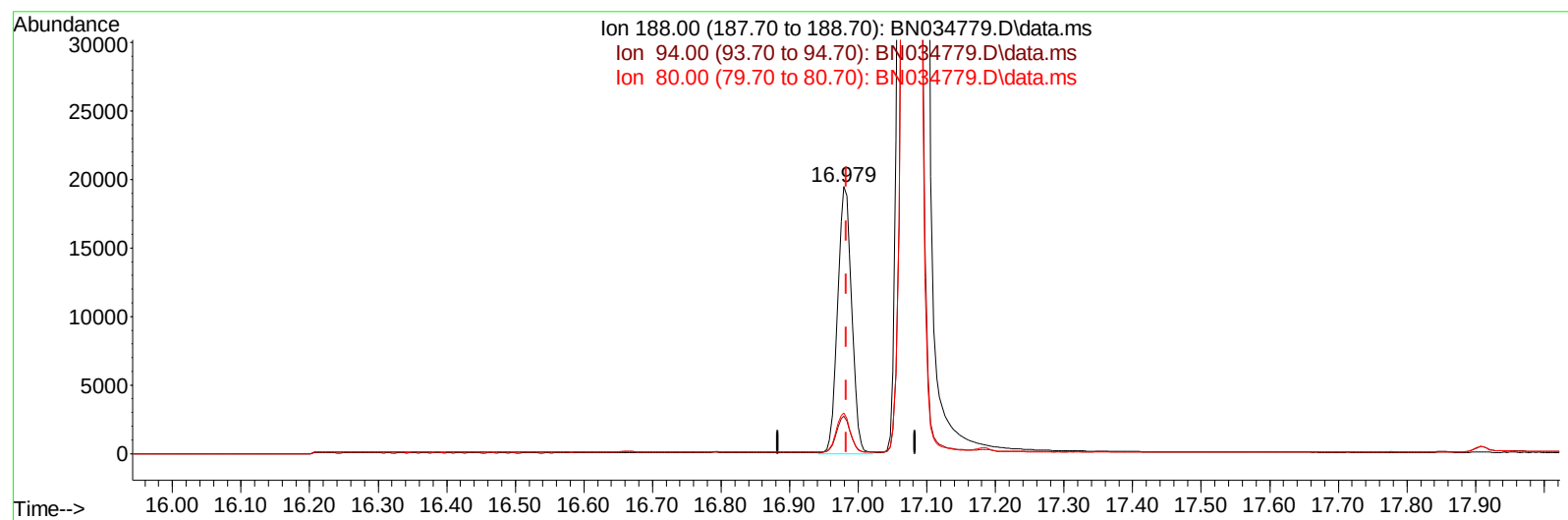
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.D\data.ms

(13) Phenanthrene-d10 (I)

16.979min (-0.004) 0.40 ng/ul m

response 27696

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.60	14.12
80.00	14.50	15.18
0.00	0.00	0.00

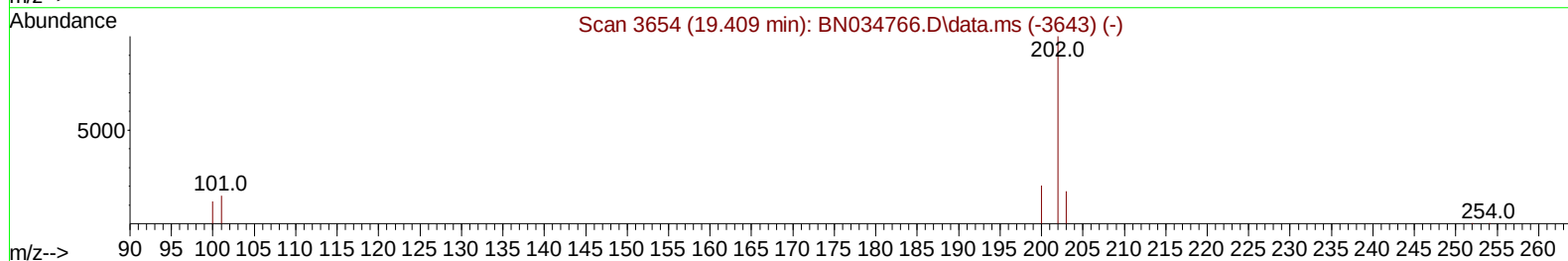
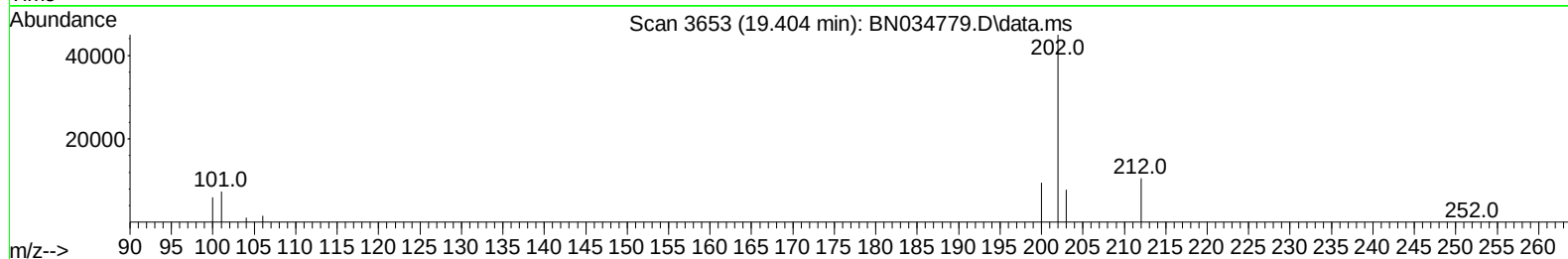
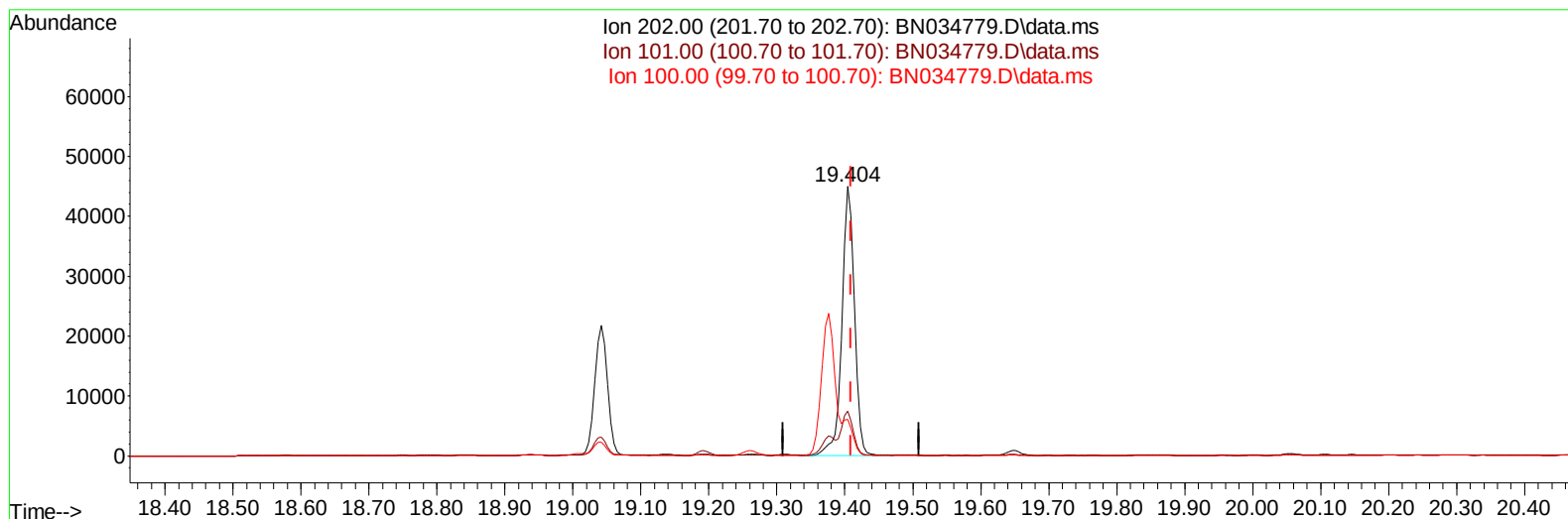
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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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TIC: BN034779.D\data.ms

(20) Pyrene

19.404min (-0.005) 0.59 ng/u1

response 57115

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.50	16.56
100.00	12.50	13.51
0.00	0.00	0.00

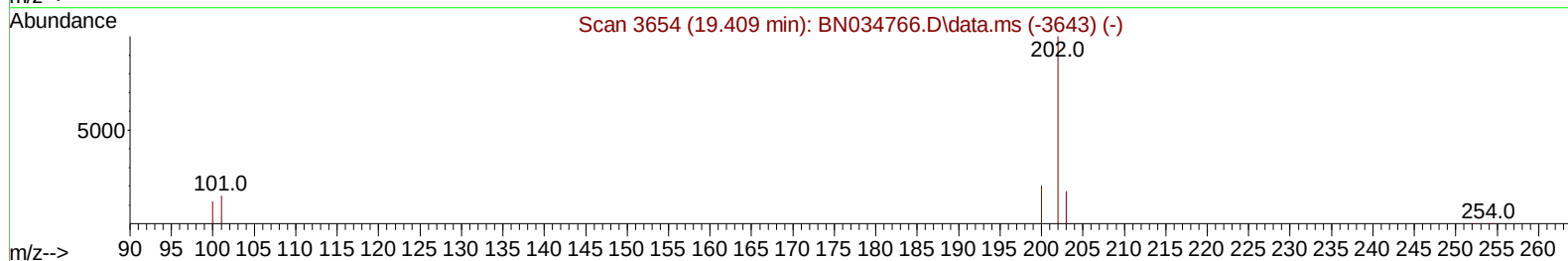
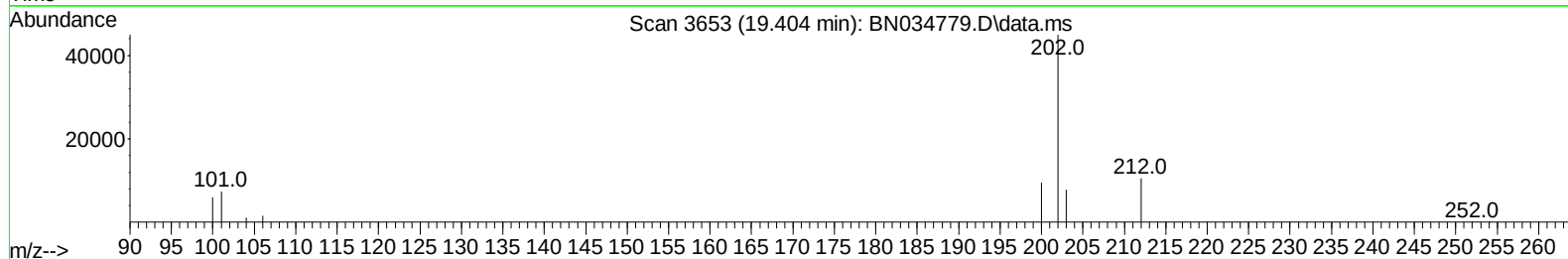
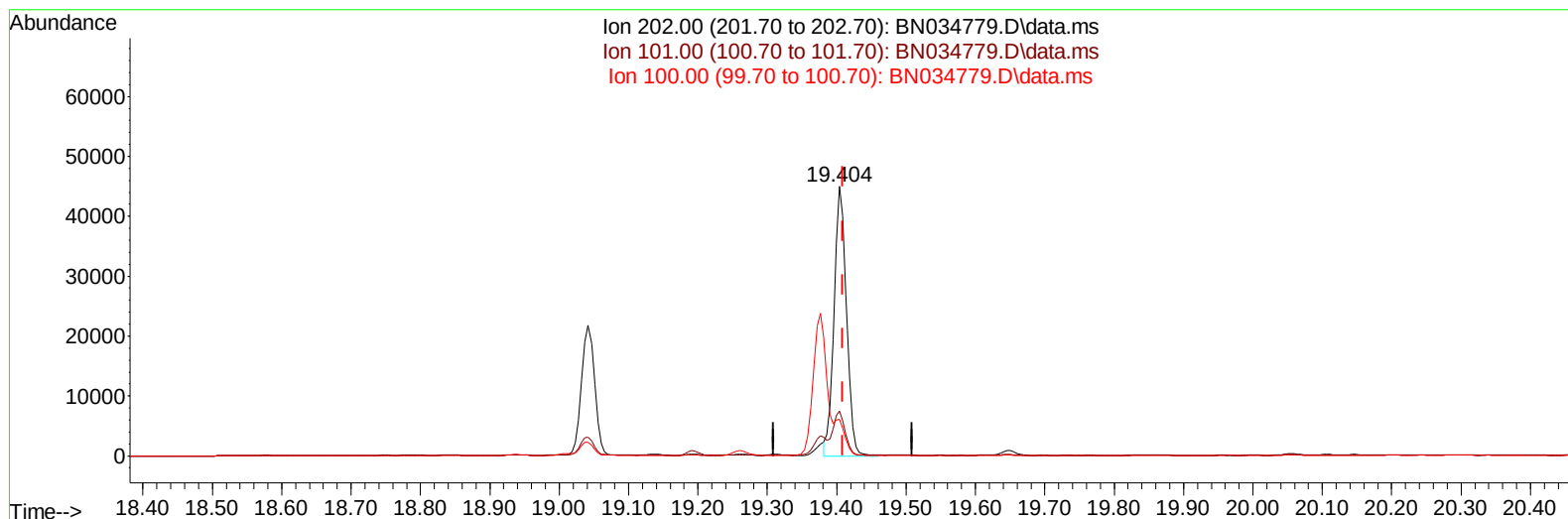
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.D\data.ms

(20) Pyrene

19.404min (-0.005) 0.57 ng/ul m

response 55670

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.50	16.56
100.00	12.50	13.51
0.00	0.00	0.00

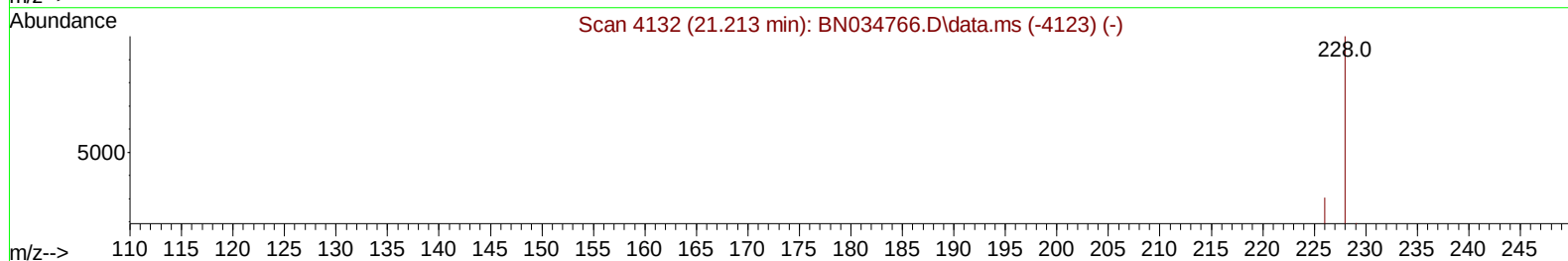
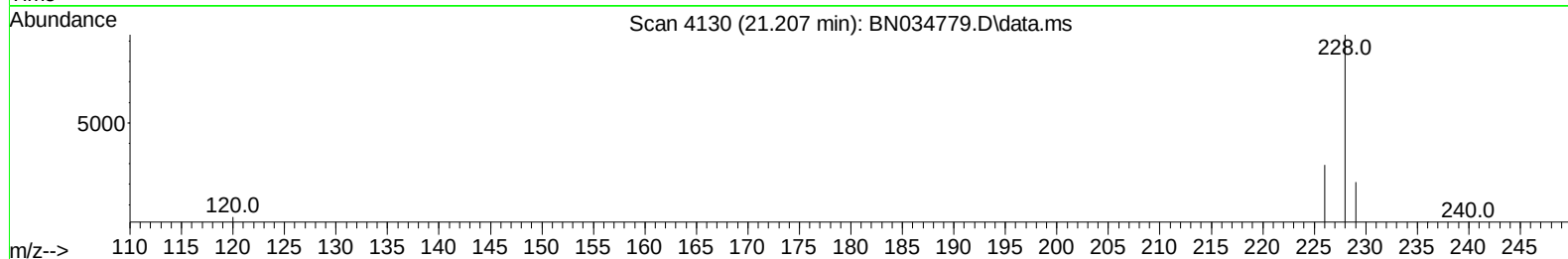
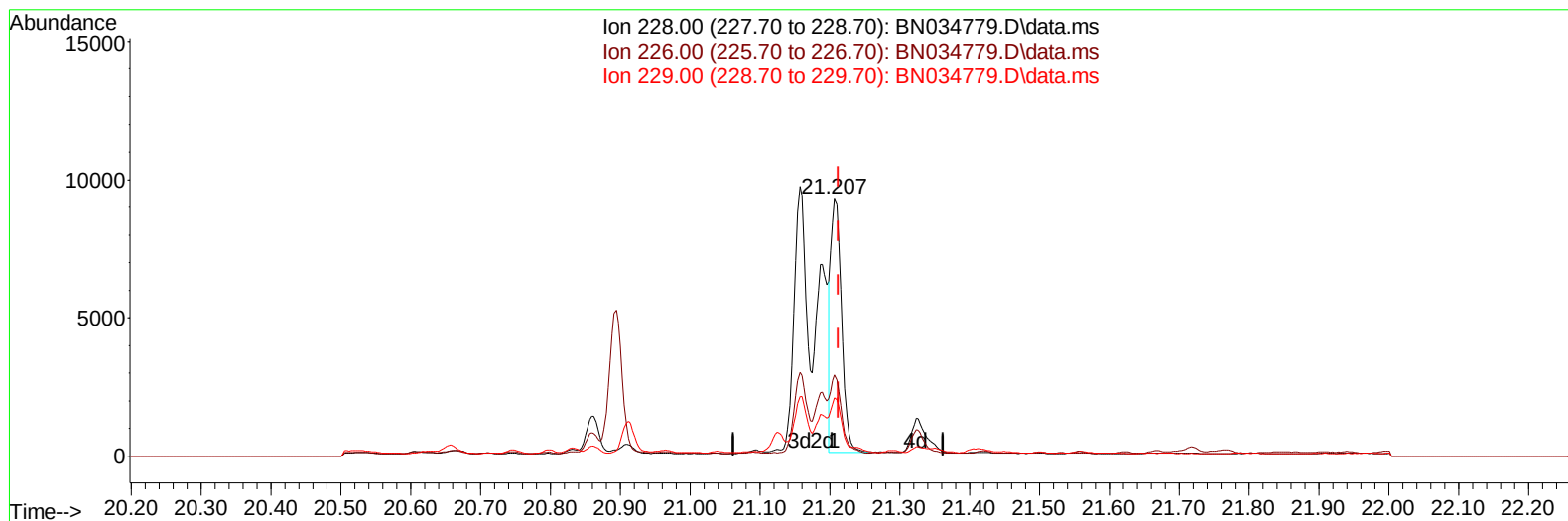
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
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TIC: BN034779.D\data.ms

(22) Chrysene

21.207min (-0.006) 0.13 ng/u1

response 9934

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.40	31.50
229.00	19.50	22.51
0.00	0.00	0.00

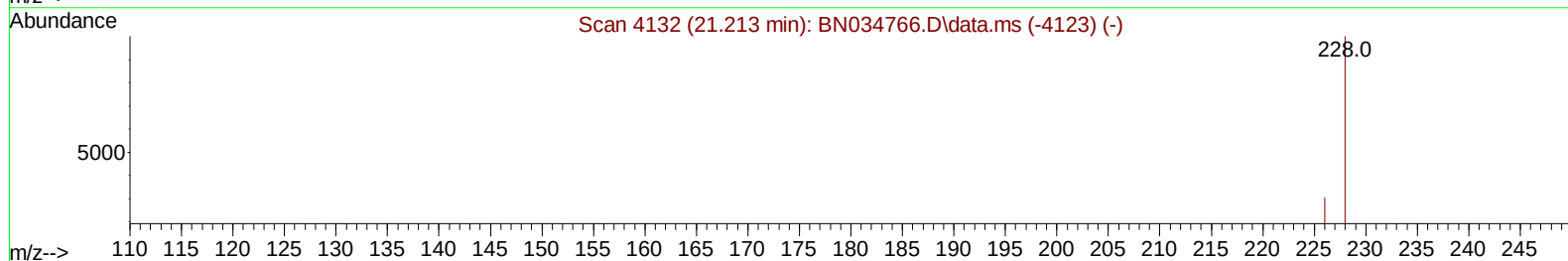
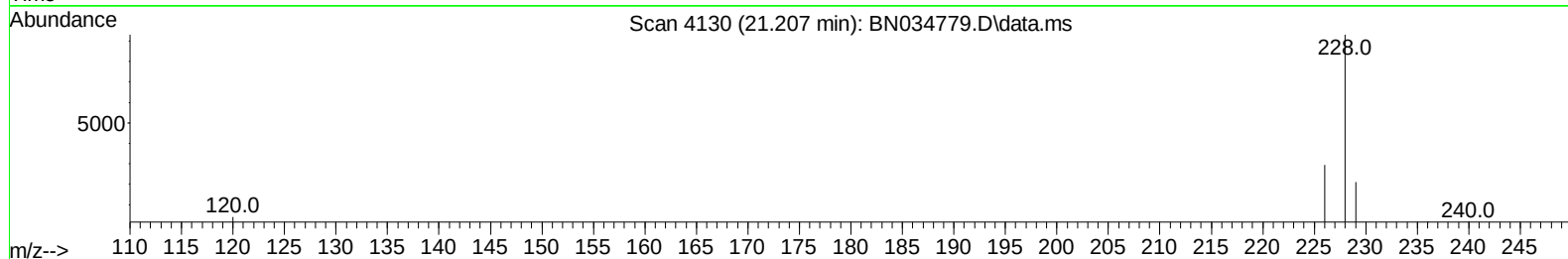
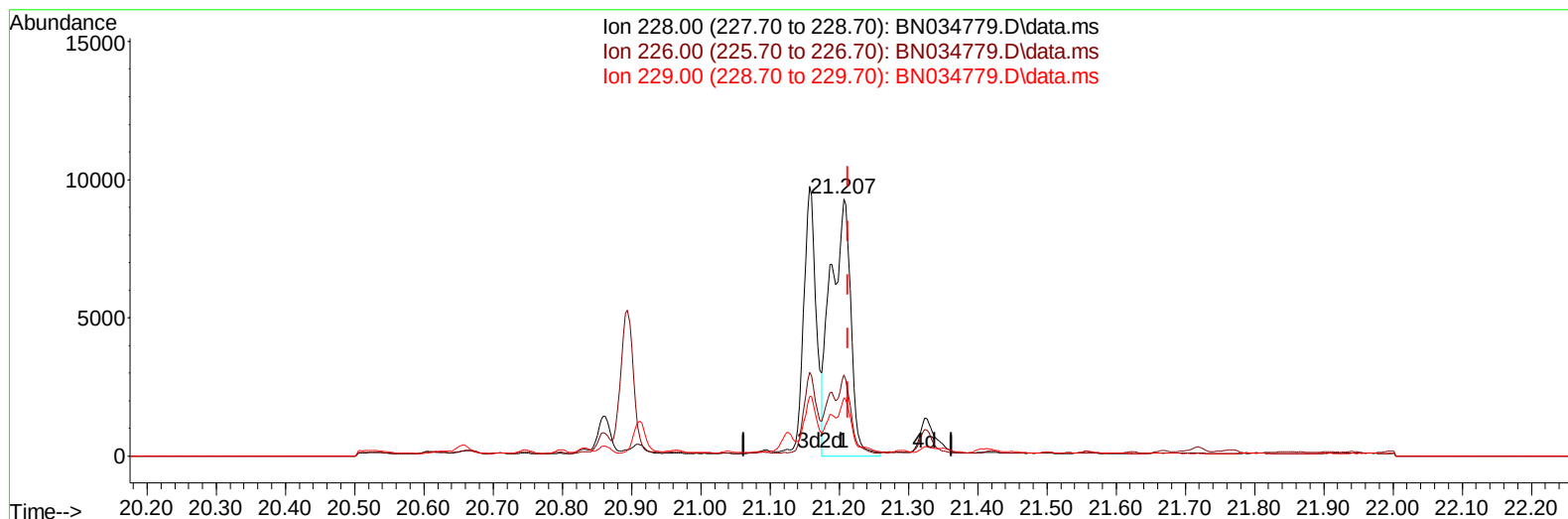
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.D\data.ms

(22) Chrysene

21.207min (-0.006) 0.24 ng/ul m

response 18748

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.40	31.50
229.00	19.50	22.51
0.00	0.00	0.00

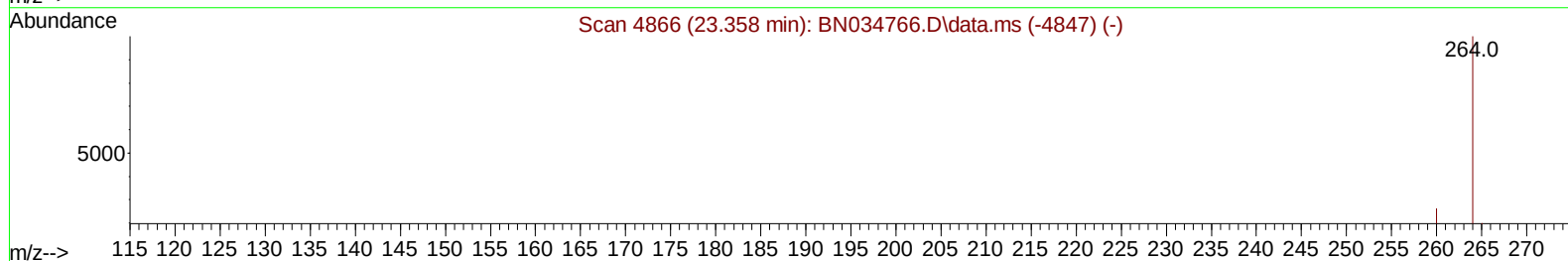
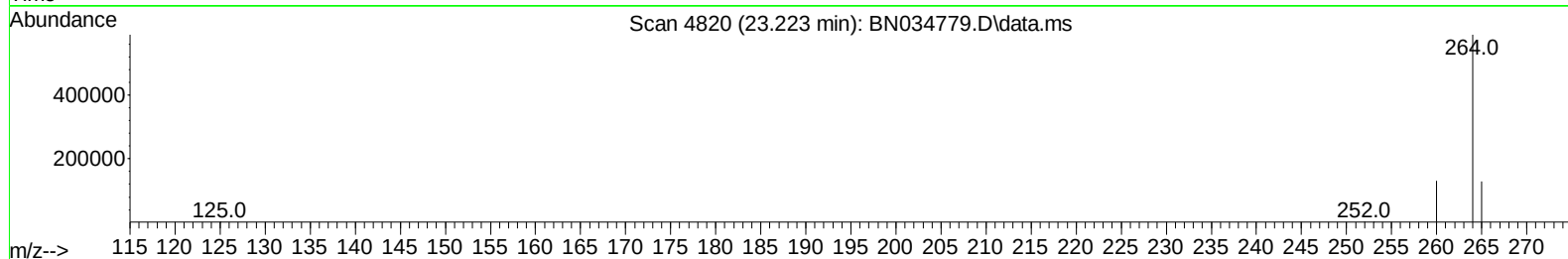
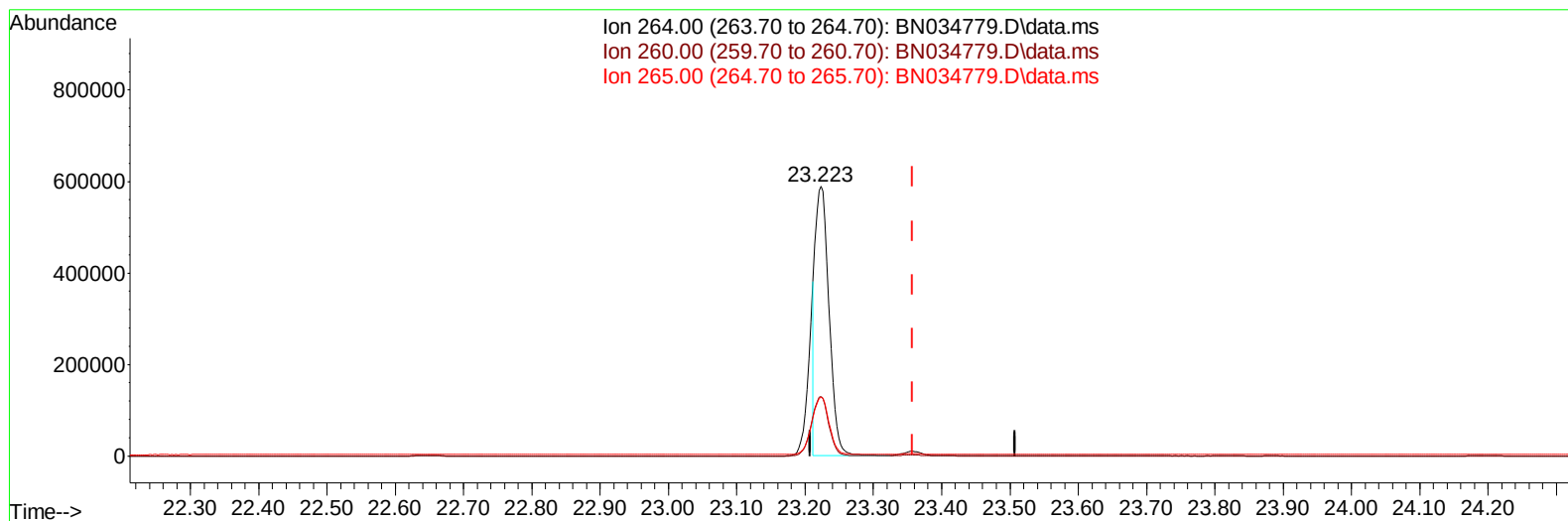
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/04/2024
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TIC: BN034779.D\data.ms

(23) Perylene-d12 (I)

23.223min (-0.135) 0.40 ng/u1

response 821532

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.60	22.09
265.00	57.90	21.84#
0.00	0.00	0.00

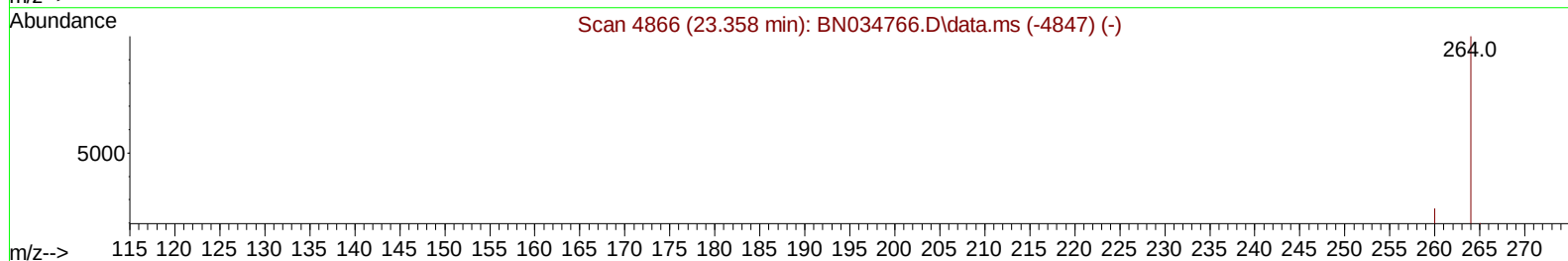
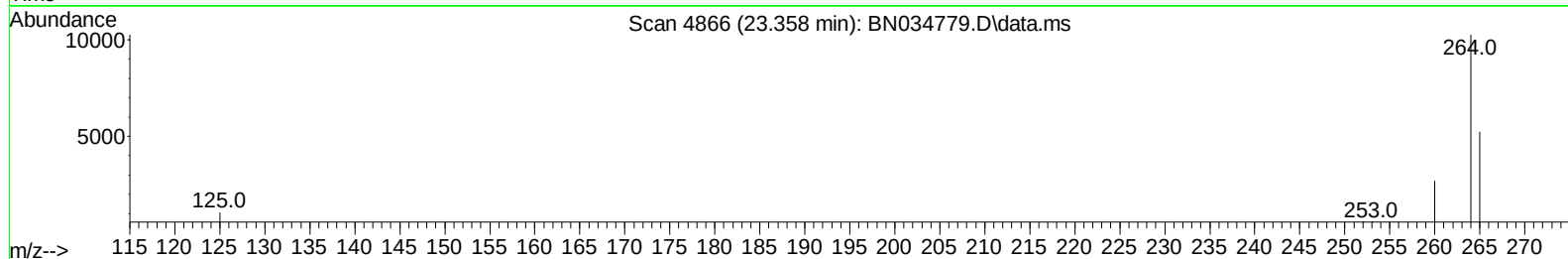
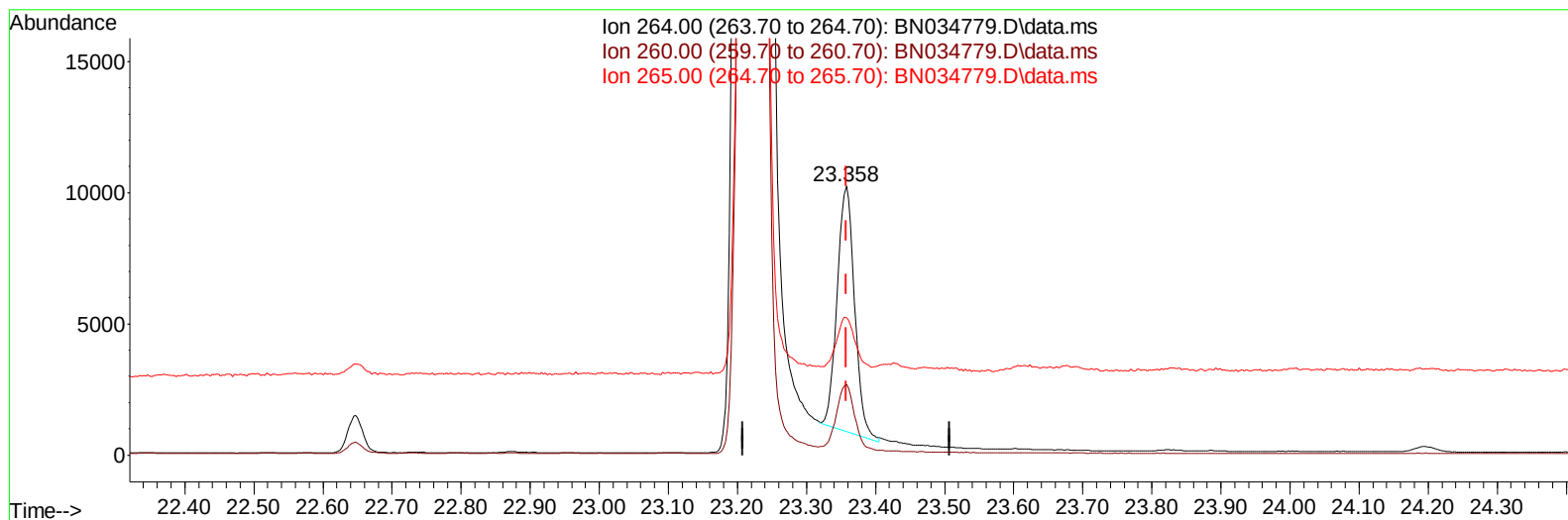
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.D\data.ms

(23) Perylene-d12 (I)

23.358min (-0.000) 0.40 ng/ul m

response 16314

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.60	26.39
265.00	57.90	50.98
0.00	0.00	0.00

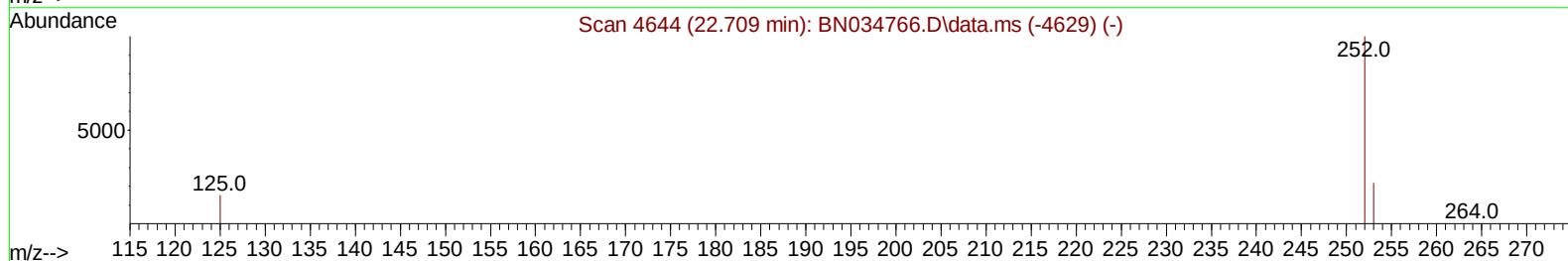
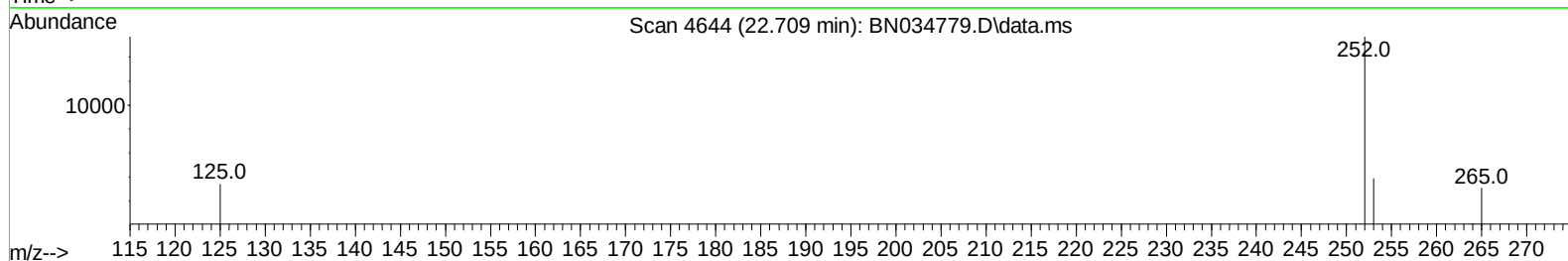
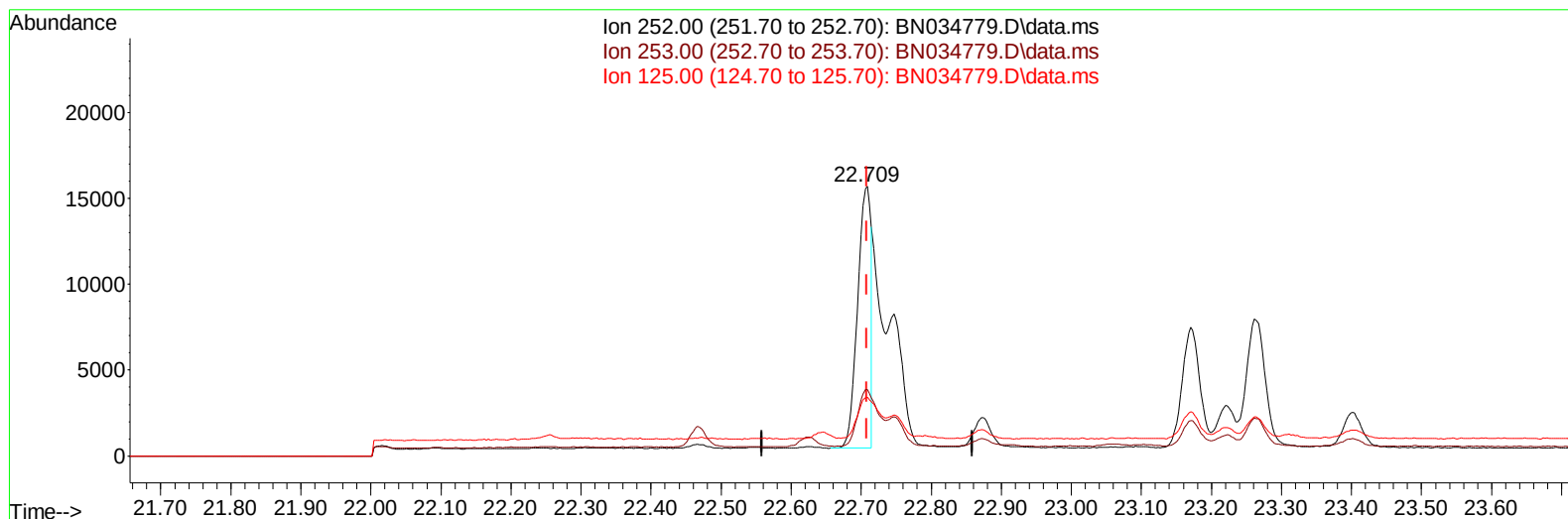
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Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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
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TIC: BN034779.D\data.ms

(24) Benzo(b)fluoranthene

22.709min (-0.000) 0.31 ng/u1

response 20392

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.80	24.64
125.00	20.70	21.88
0.00	0.00	0.00

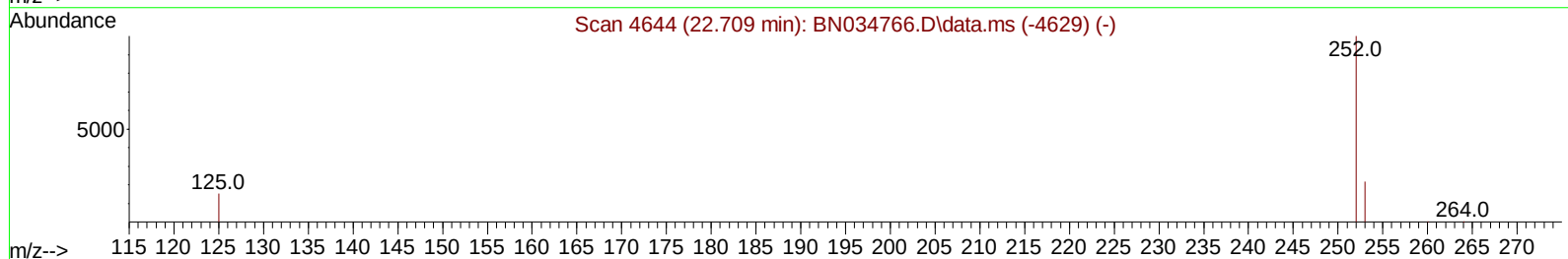
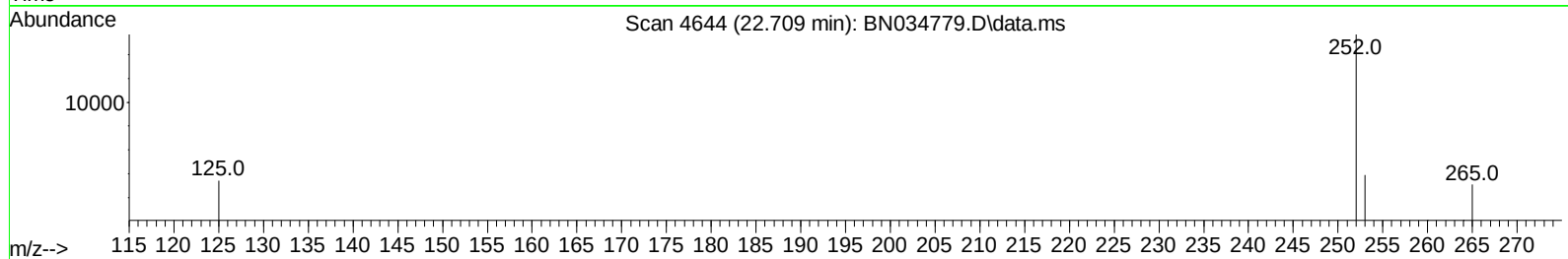
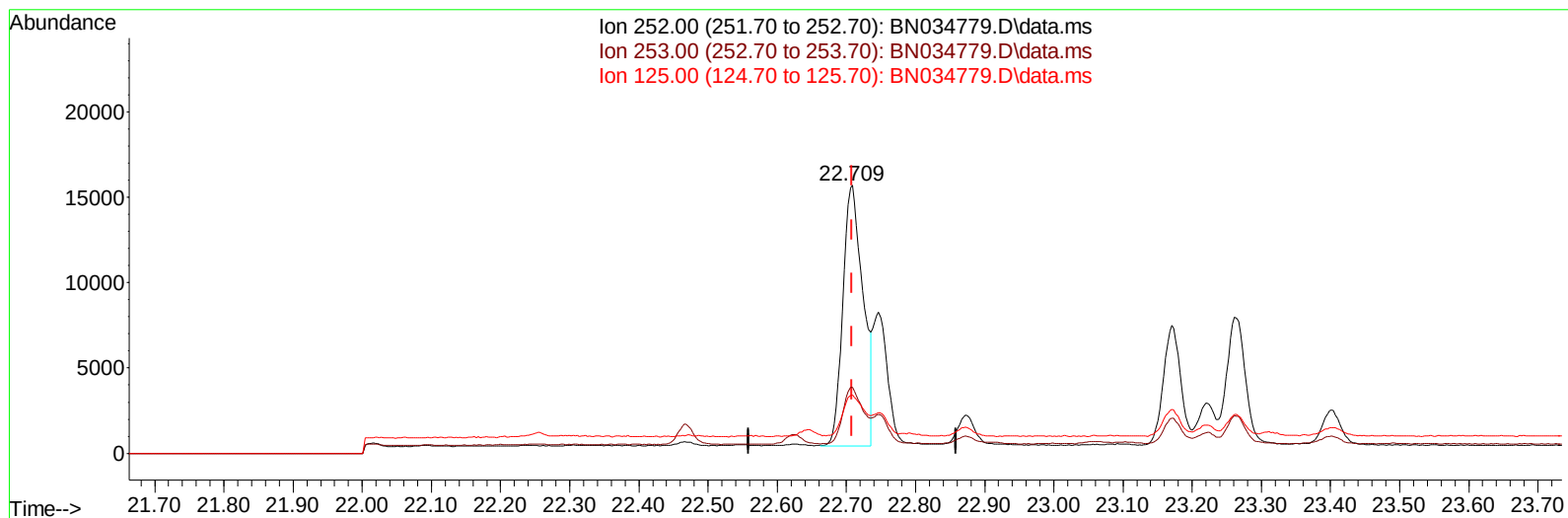
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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

Quant Time: Nov 03 23:23:37 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



TIC: BN034779.D\data.ms

(24) Benzo(b)fluoranthene

22.709min (-0.000) 0.47 ng/ul m

response 30951

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.80	24.64
125.00	20.70	21.88
0.00	0.00	0.00

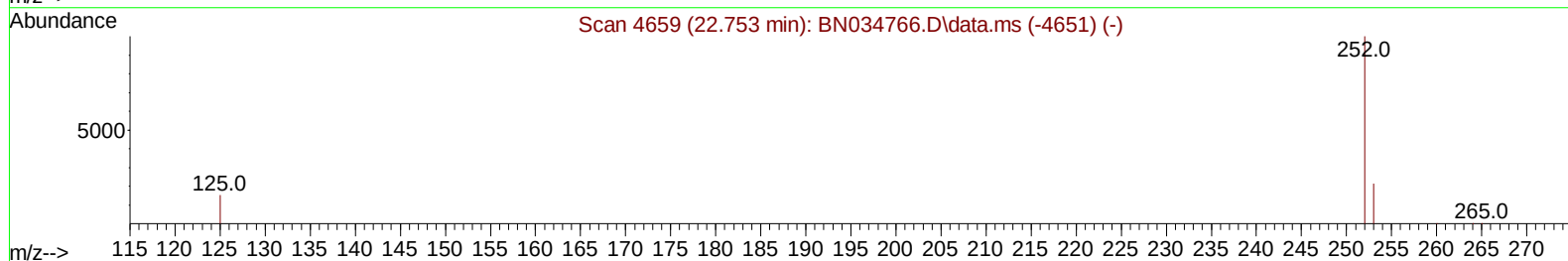
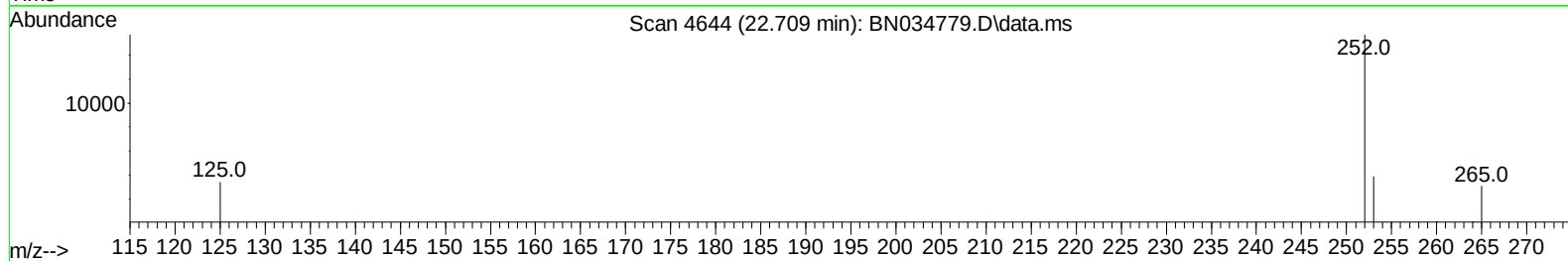
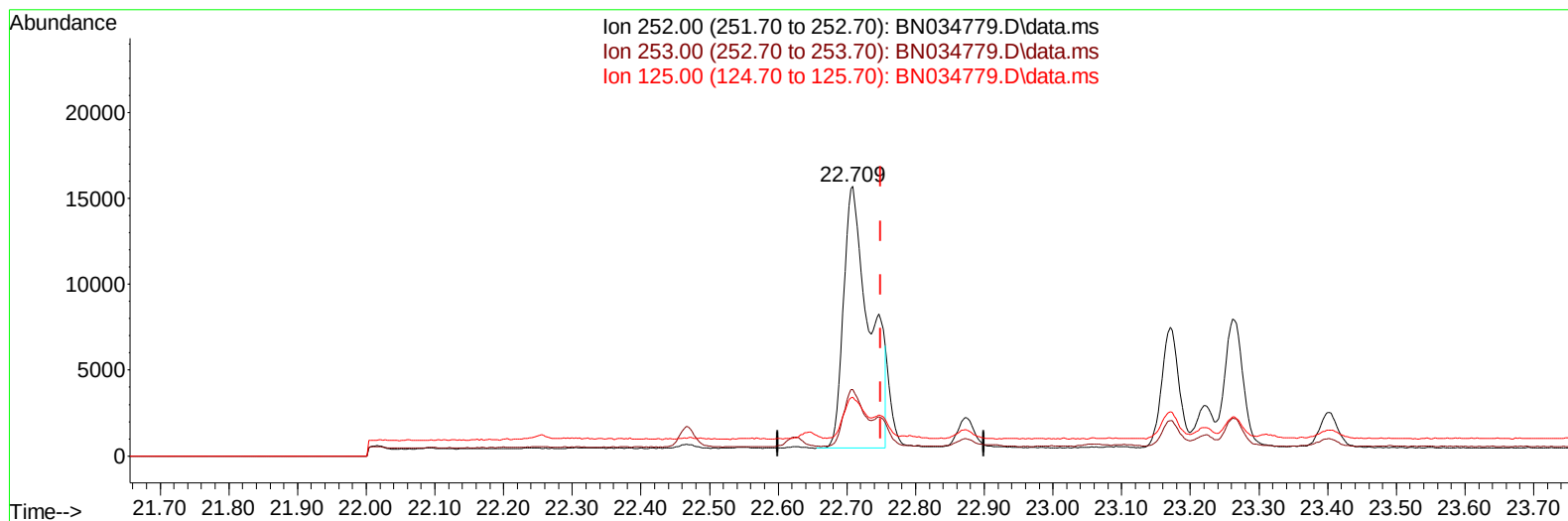
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
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Supervised By :mohammad ahmed 11/05/2024



TIC: BN034779.D\data.ms

(25) Benzo(k)fluoranthene

22.709min (-0.041) 0.59 ng/u1

response 39661

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	24.64
125.00	21.20	21.88
0.00	0.00	0.00

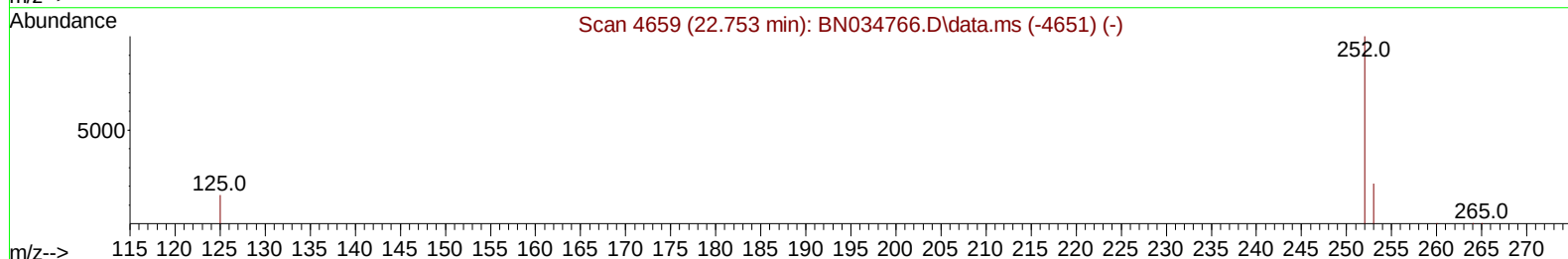
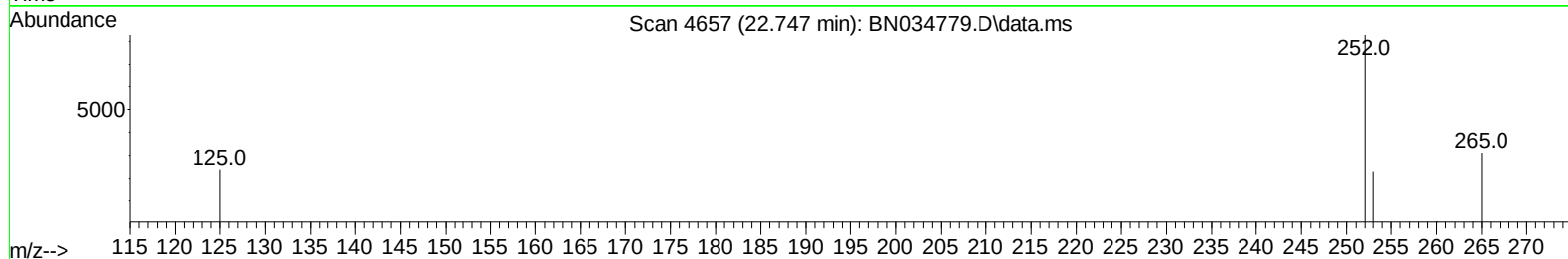
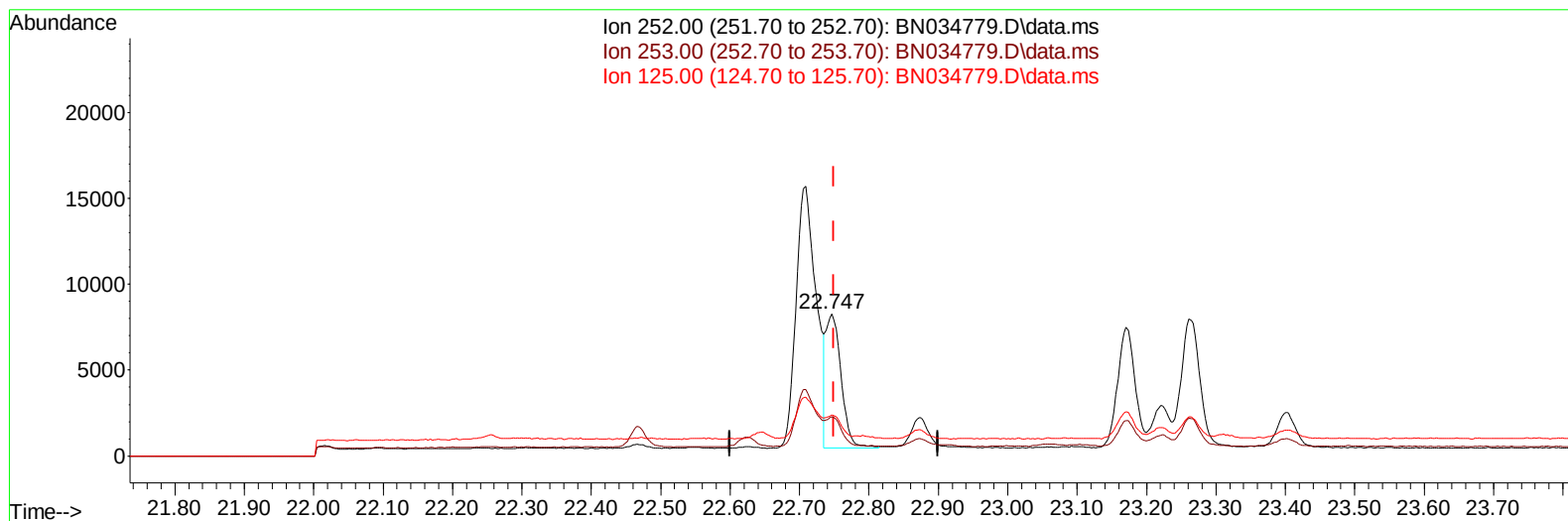
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 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: BN034779.D\data.ms

(25) Benzo(k)fluoranthene

22.747min (-0.003) 0.18 ng/ul m

response 11790

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	27.66
125.00	21.20	28.84#
0.00	0.00	0.00

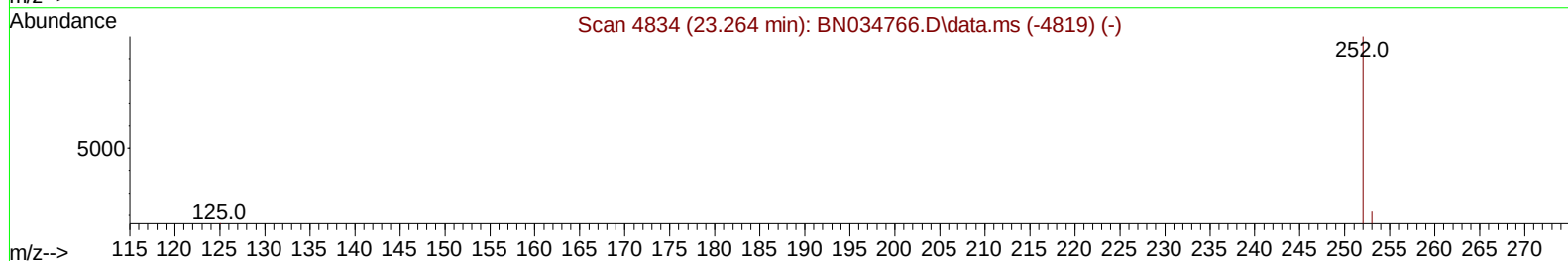
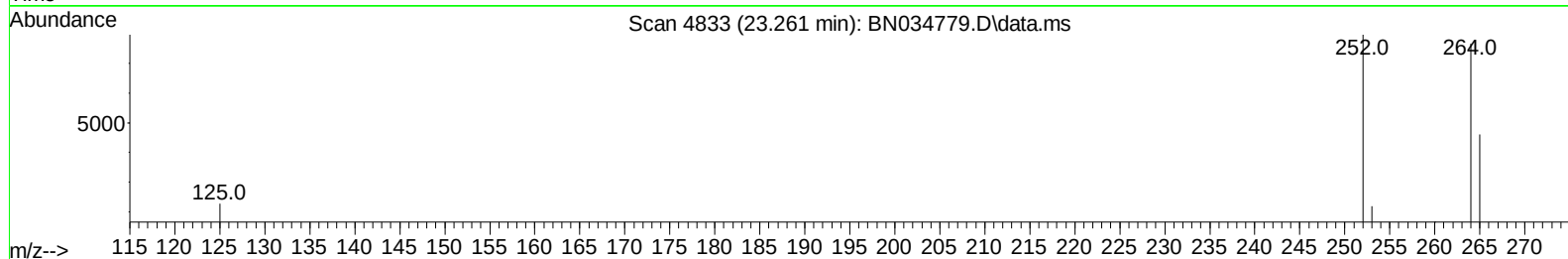
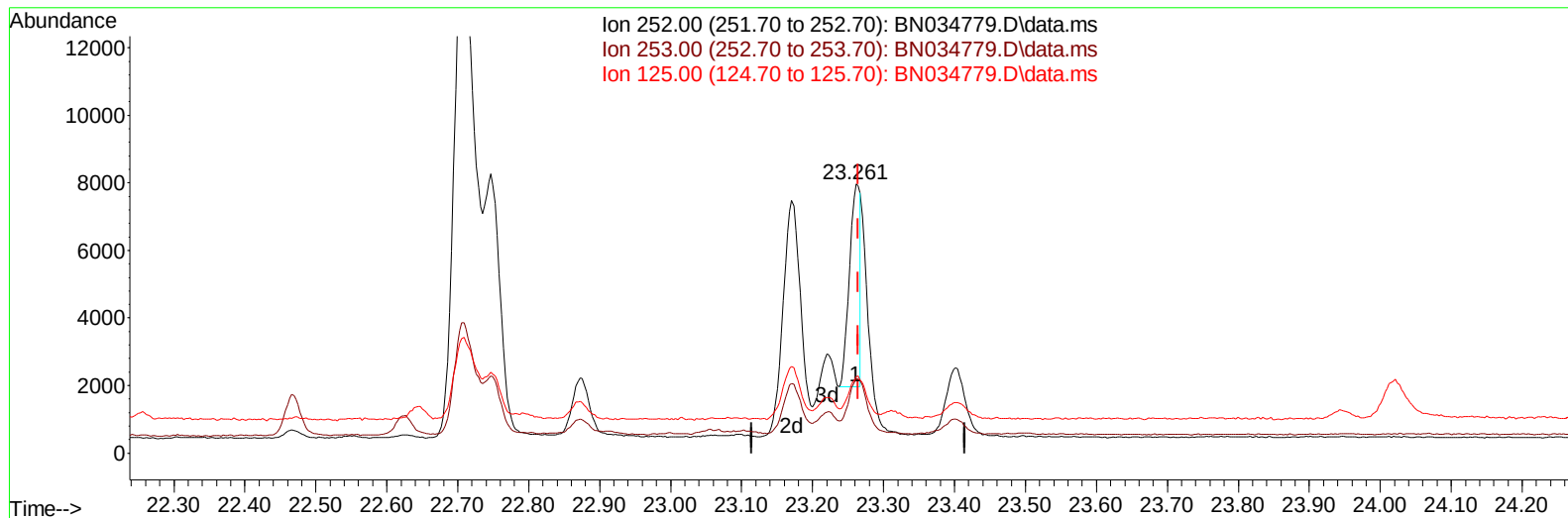
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

Quant Time: Nov 03 23:23:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN103124.M
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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: BN034779.D\data.ms

(26) Benzo(a)pyrene (C)

23.261min (-0.003) 0.11 ng/u1

response 6431

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	27.59
125.00	24.70	28.51
0.00	0.00	0.00

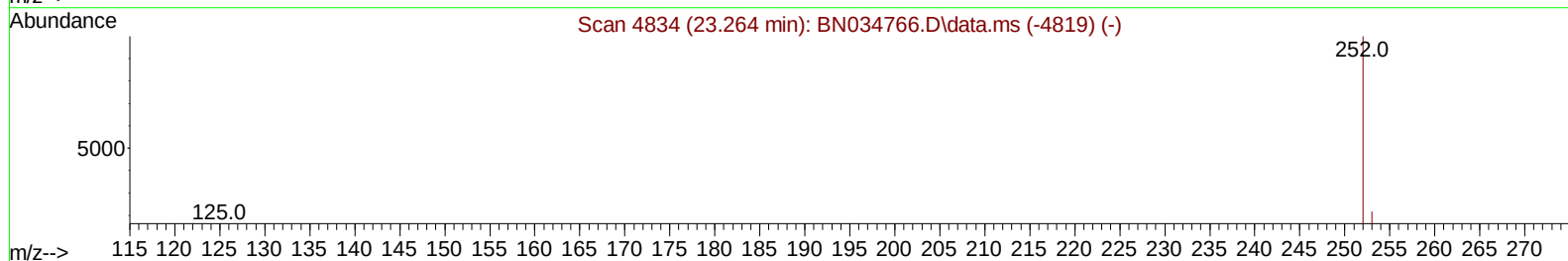
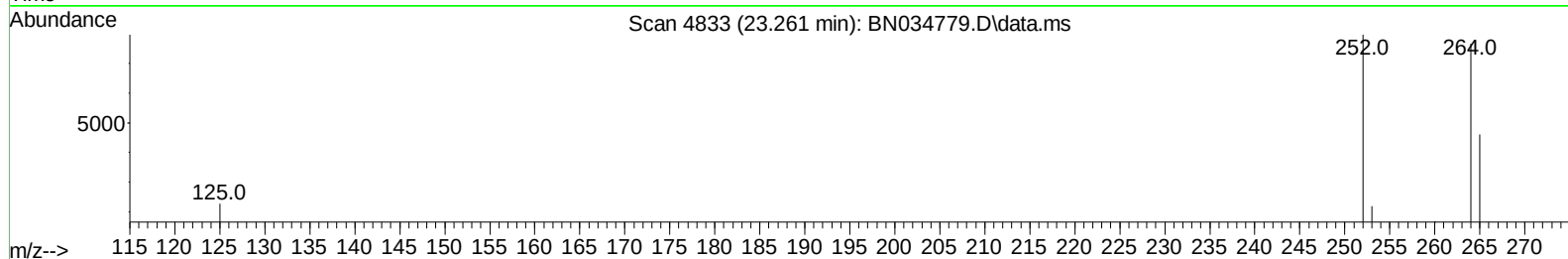
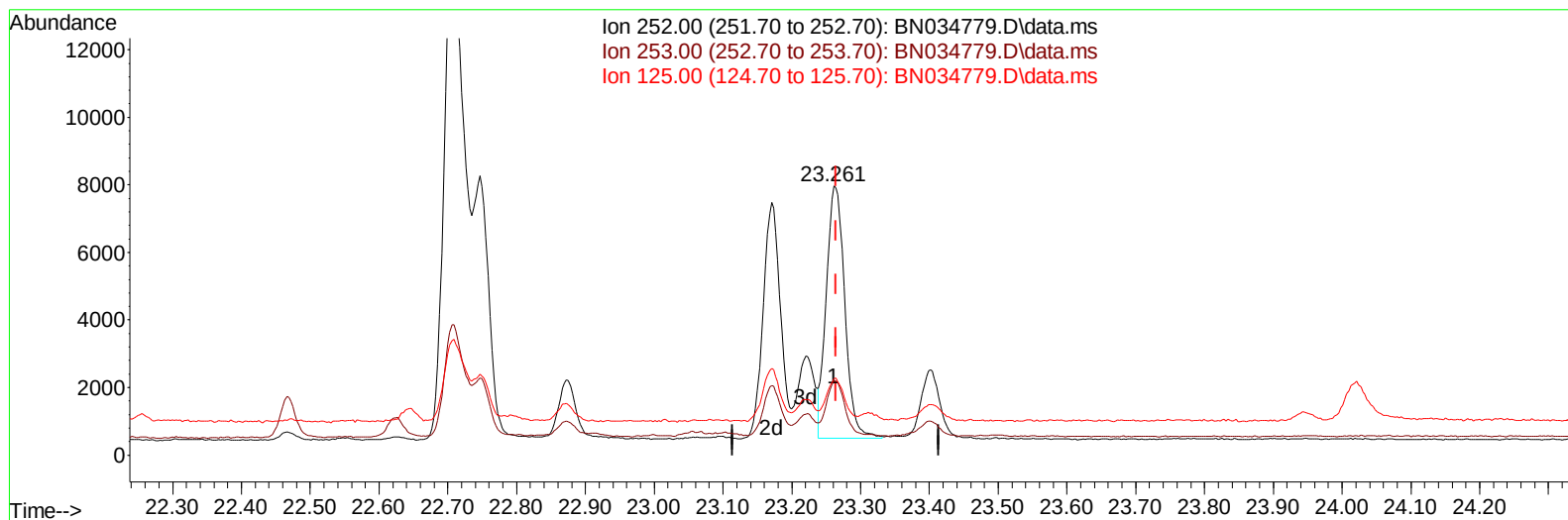
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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

Quant Time: Nov 03 23:23:37 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



TIC: BN034779.D\data.ms

(26) Benzo(a)pyrene (C)

23.261min (-0.003) 0.24 ng/ul m

response 13973

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.00	27.59
125.00	24.70	28.51
0.00	0.00	0.00

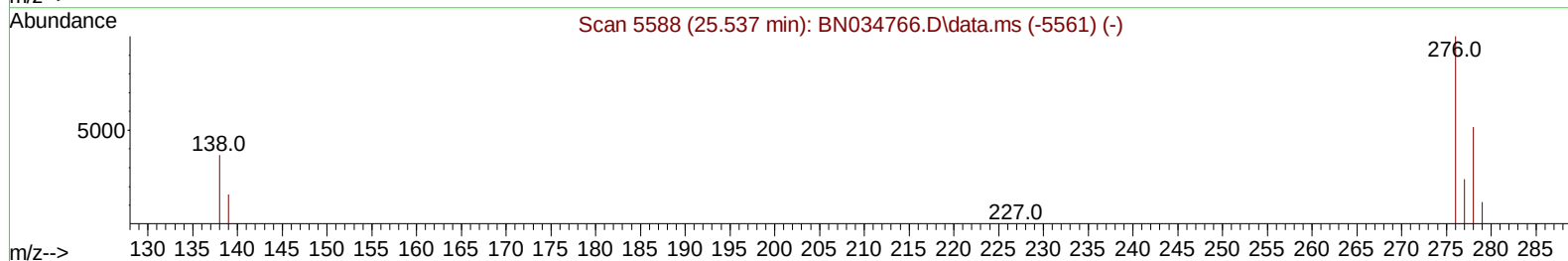
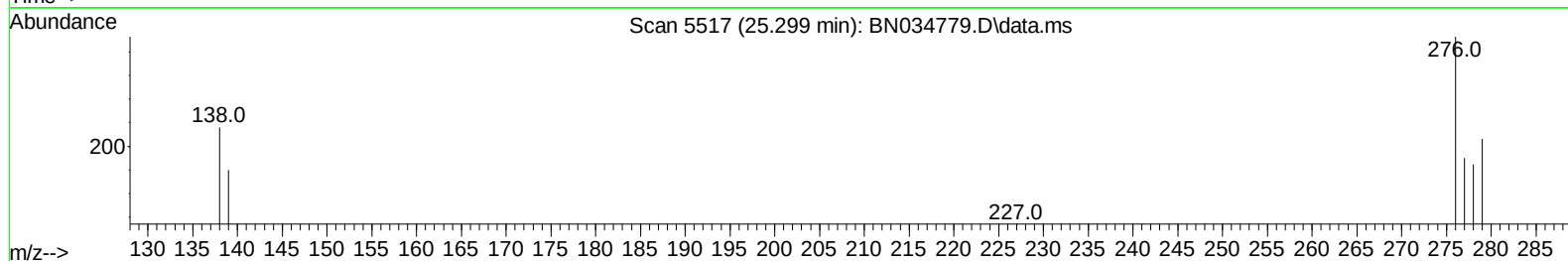
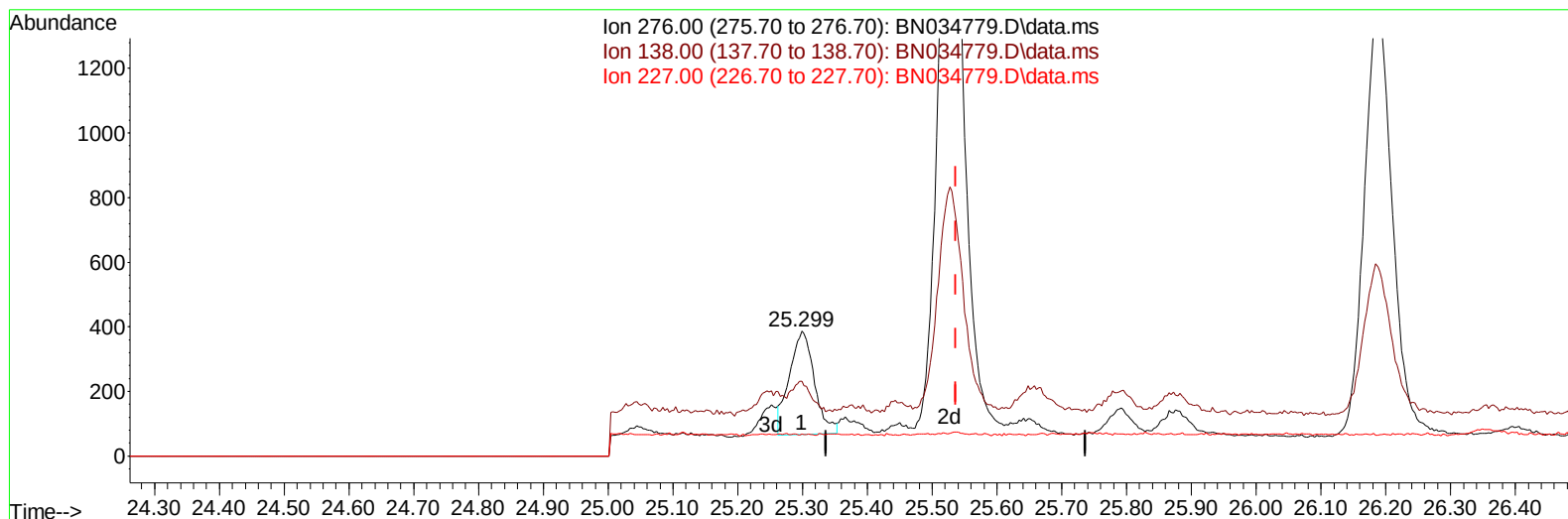
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
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Manual IntegrationsAPPROVED

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TIC: BN034779.D\data.ms

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

25.299min (-0.238) 0.01 ng/u1

response 856

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	39.70	22.78#
227.00	0.30	0.35
0.00	0.00	0.00

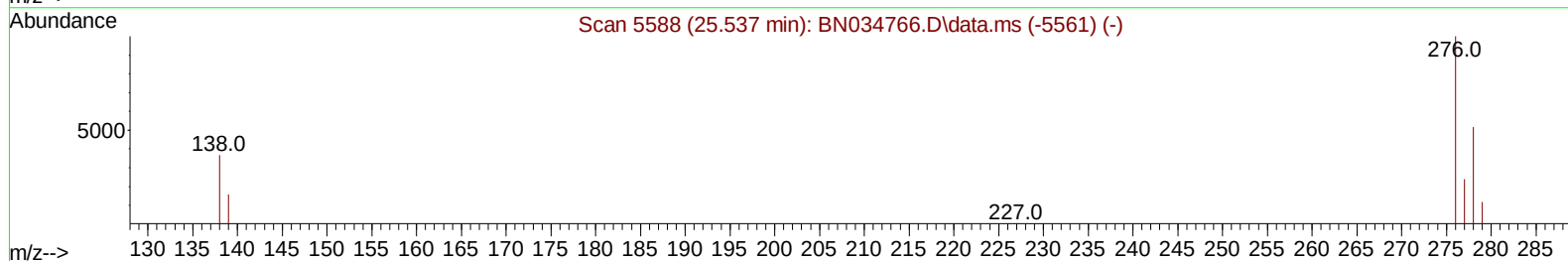
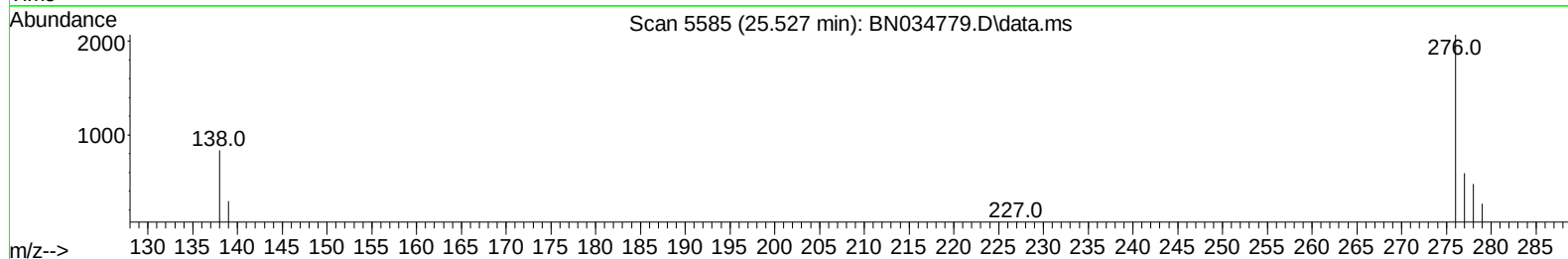
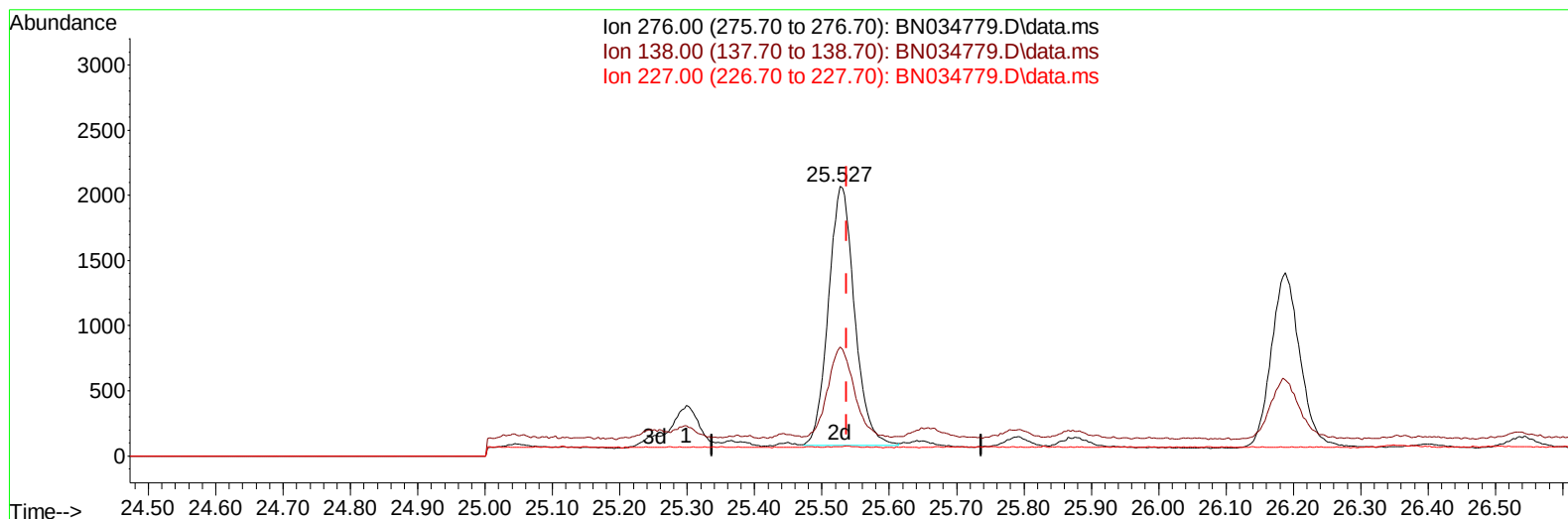
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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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: BN034779.D\data.ms

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

25.527min (-0.010) 0.09 ng/ul m

response 5371

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	39.70	3.63#
227.00	0.30	0.06#
0.00	0.00	0.00

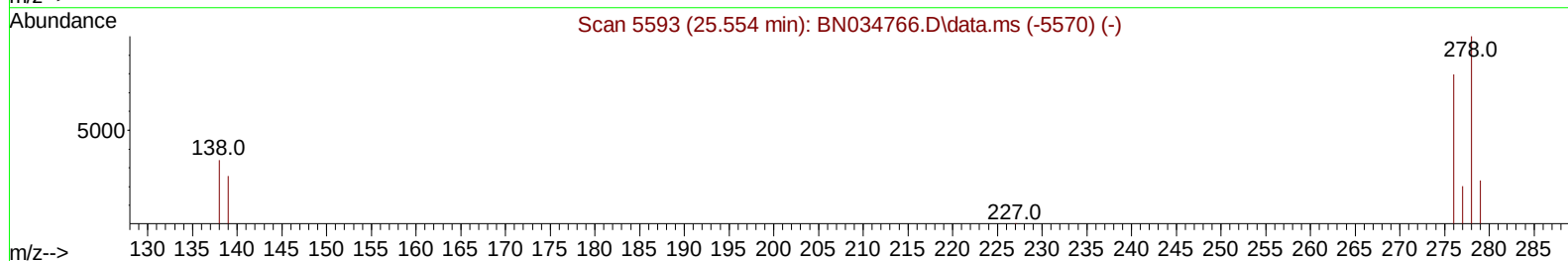
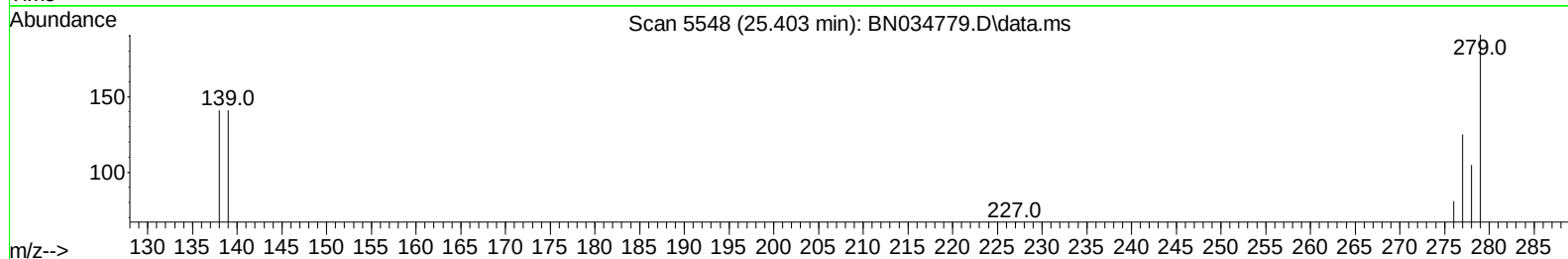
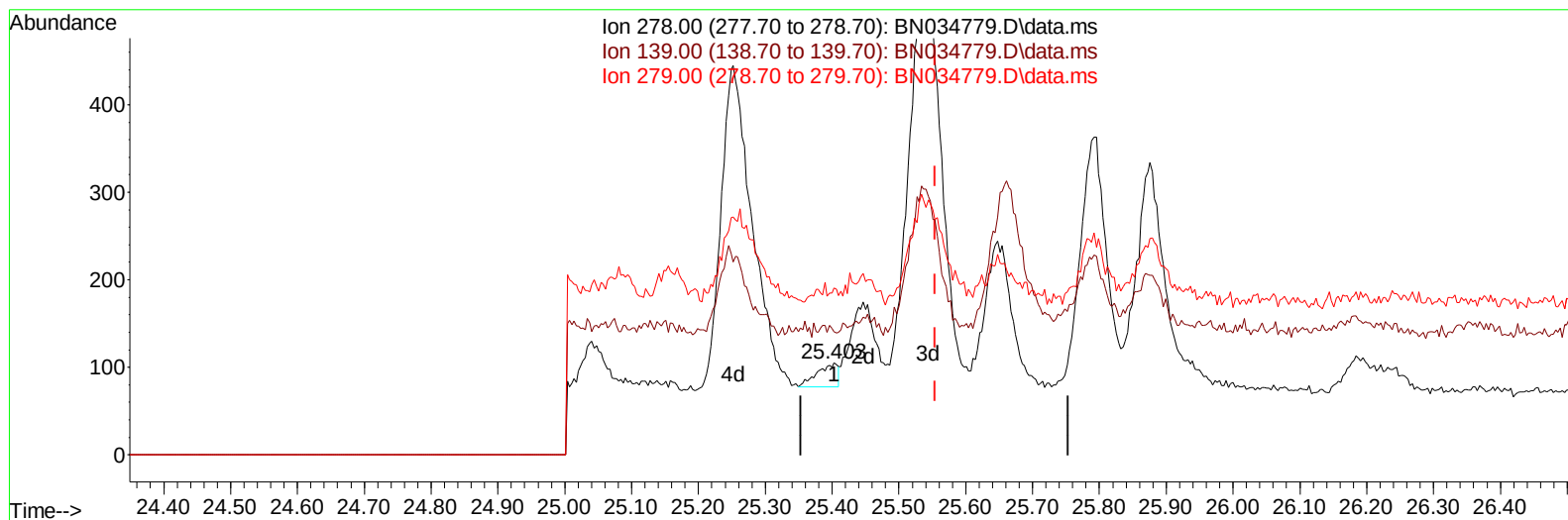
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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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: BN034779.D\data.ms

(28) Dibenzo(a,h)anthracene

25.403min (-0.151) 0.00 ng/u1

response 57

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	29.30	134.29#
279.00	25.80	181.90#
0.00	0.00	0.00

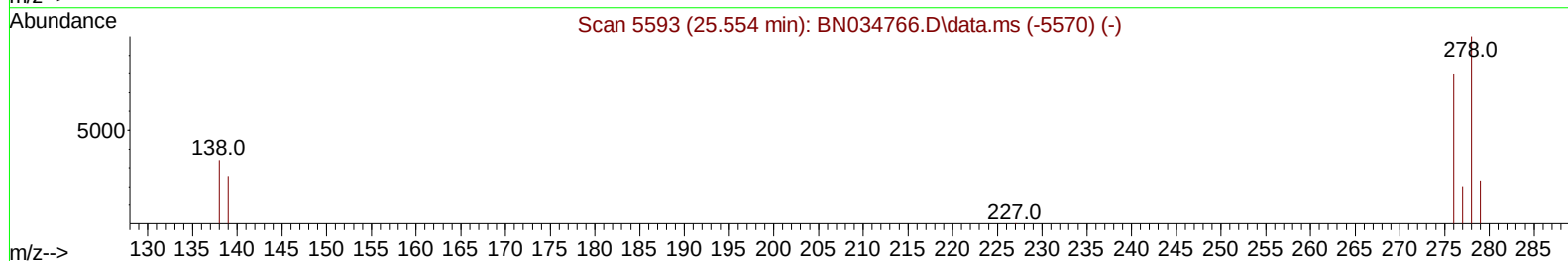
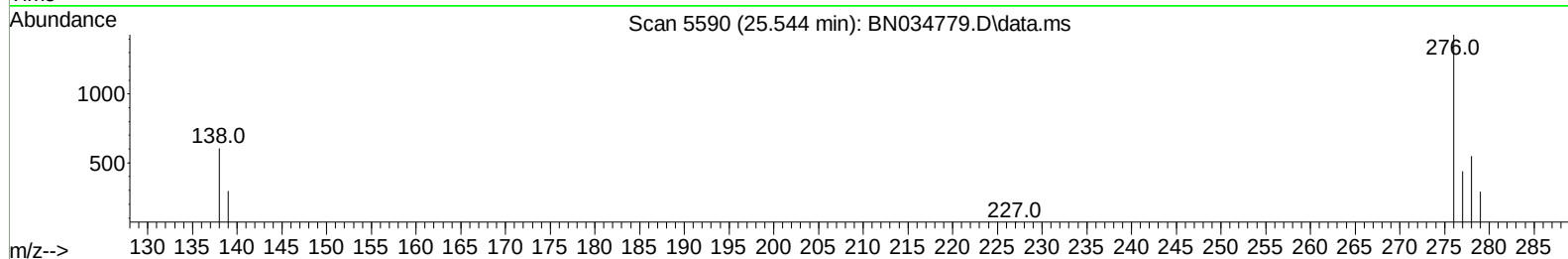
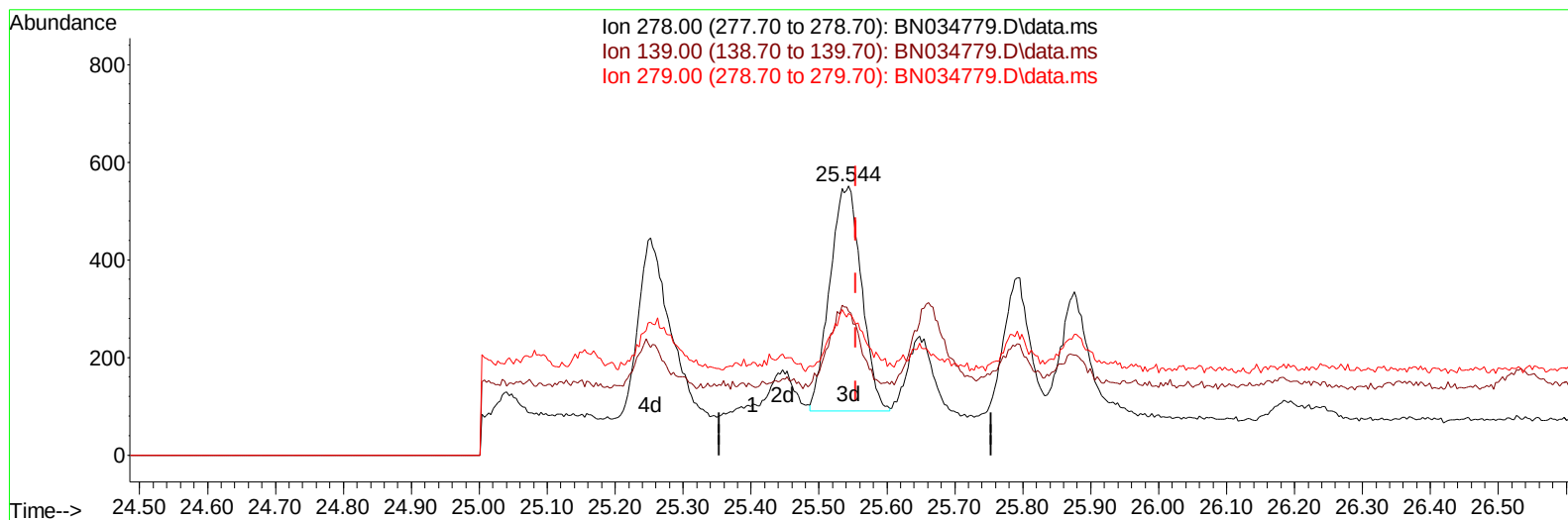
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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



TIC: BN034779.D\data.ms

(28) Dibenzo(a,h)anthracene

25.544min (-0.010) 0.03 ng/ul m

response 1489

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	29.30	53.54#
279.00	25.80	52.81#
0.00	0.00	0.00

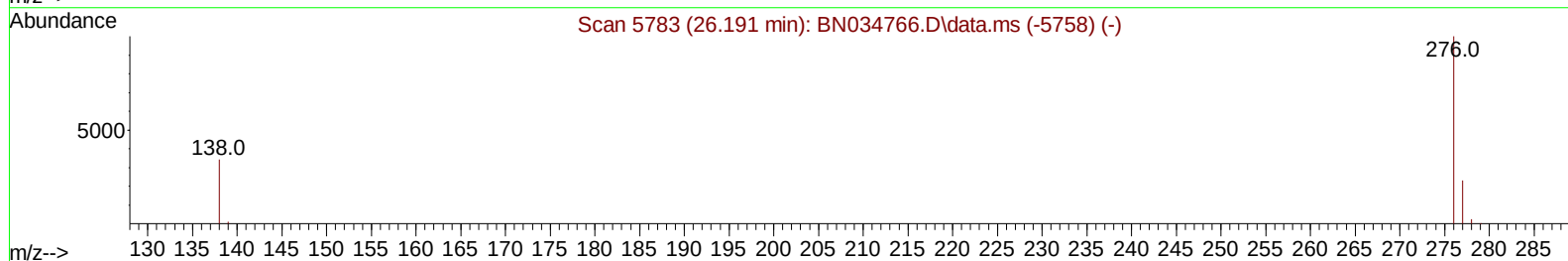
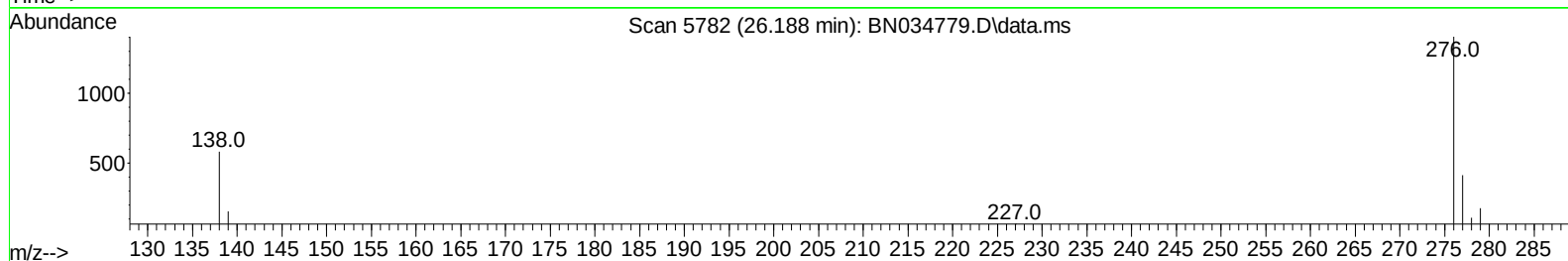
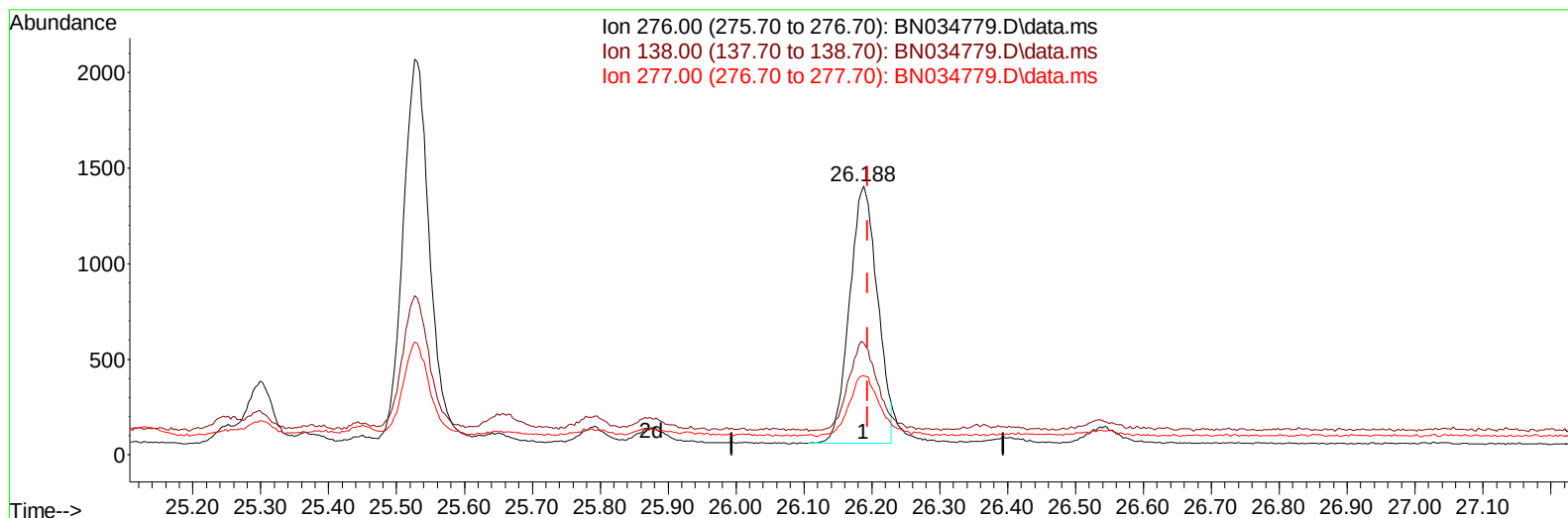
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
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Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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



TIC: BN034779.D\data.ms

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

26.188min (-0.007) 0.08 ng/u1

response 3834

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	36.00	41.64
277.00	25.20	29.61
0.00	0.00	0.00

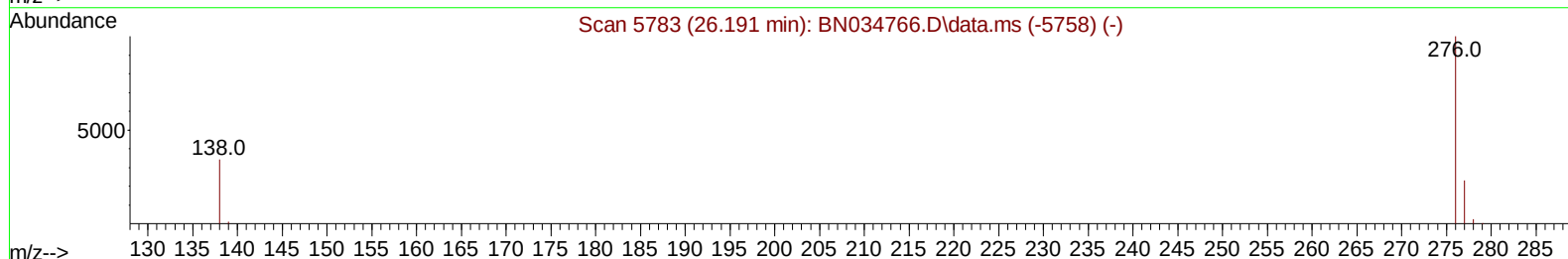
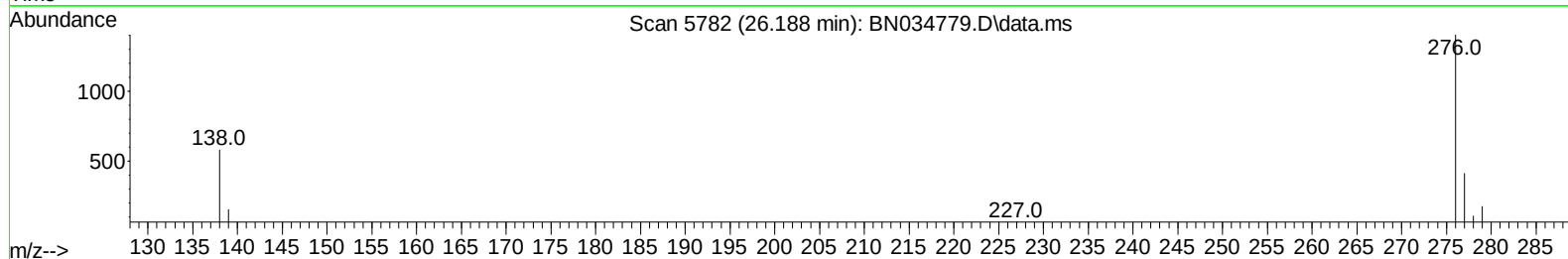
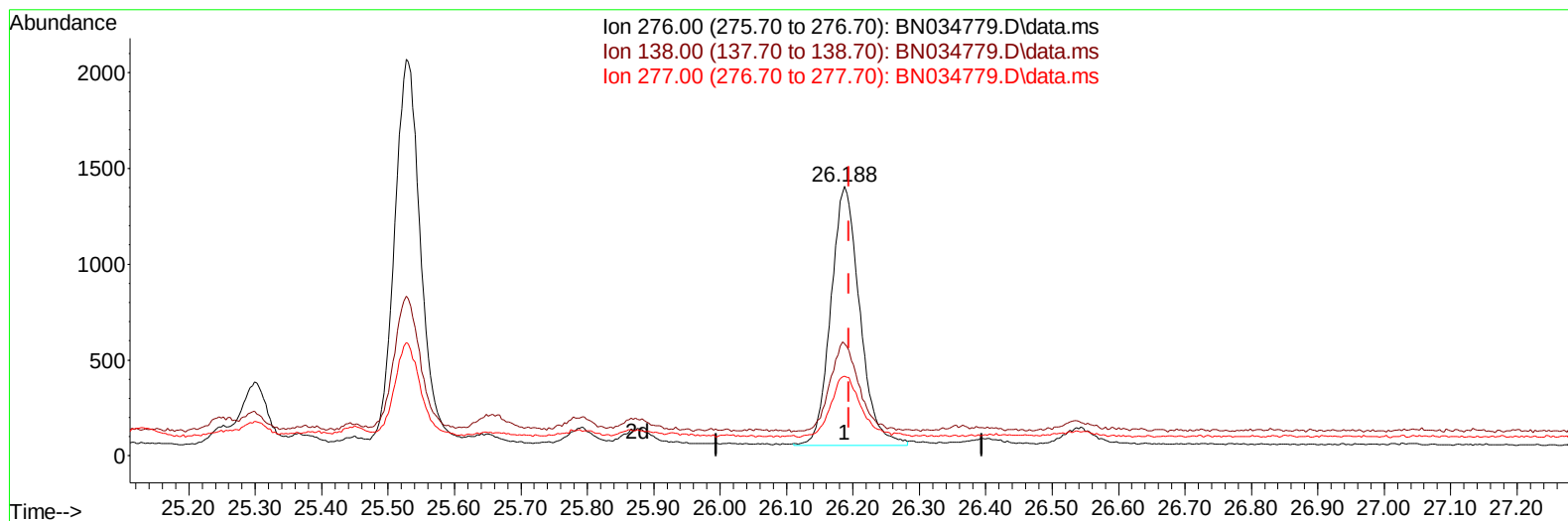
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103124\
Data File : BN034779.D
Acq On : 31 Oct 2024 23:06
Operator : RC/JU
Sample : P4529-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F7H17

Manual IntegrationsAPPROVED

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TIC: BN034779.D\data.ms

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

26.188min (-0.007) 0.09 ng/ul m

response 4100

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	36.00	41.64
277.00	25.20	29.61
0.00	0.00	0.00

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 Sample : P4529-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
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 QLast Update : Thu Oct 31 11:13:08 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.600	152	7617	0.400	ng/ul	0.00
4) Naphthalene-d8	10.366	136	24200	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.236	164	13599	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.979	188	27696m	0.400	ng/ul	0.00
17) Chrysene-d12	21.172	240	19192	0.400	ng/ul	0.00
23) Perylene-d12	23.358	264	16314m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.170	96	35984	4.564	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.961	152	8839	0.291	ng/ul	0.00
18) Fluoranthene-d10	19.009	212	17305	0.277	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.416	128	1396	0.022	ng/ul#	82
10) Acenaphthylene	13.953	152	1617	0.026	ng/ul#	87
12) Fluorene	15.286	166	1213	0.023	ng/ul#	95
15) Phenanthrene	17.021	178	7682	0.092	ng/ul	96
16) Anthracene	17.114	178	6648	0.086	ng/ul	97
19) Fluoranthene	19.042	202	28077	0.302	ng/ul	98
20) Pyrene	19.404	202	55670m	0.574	ng/ul	
21) Benzo(a)anthracene	21.157	228	12046	0.157	ng/ul	94
22) Chrysene	21.207	228	18748m	0.244	ng/ul	
24) Benzo(b)fluoranthene	22.709	252	30951m	0.466	ng/ul	
25) Benzo(k)fluoranthene	22.747	252	11790m	0.176	ng/ul	
26) Benzo(a)pyrene	23.261	252	13973m	0.244	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.527	276	5371m	0.088	ng/ul	
28) Dibenzo(a,h)anthracene	25.544	278	1489m	0.032	ng/ul	
29) Benzo(g,h,i)perylene	26.188	276	4100m	0.086	ng/ul	

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

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