

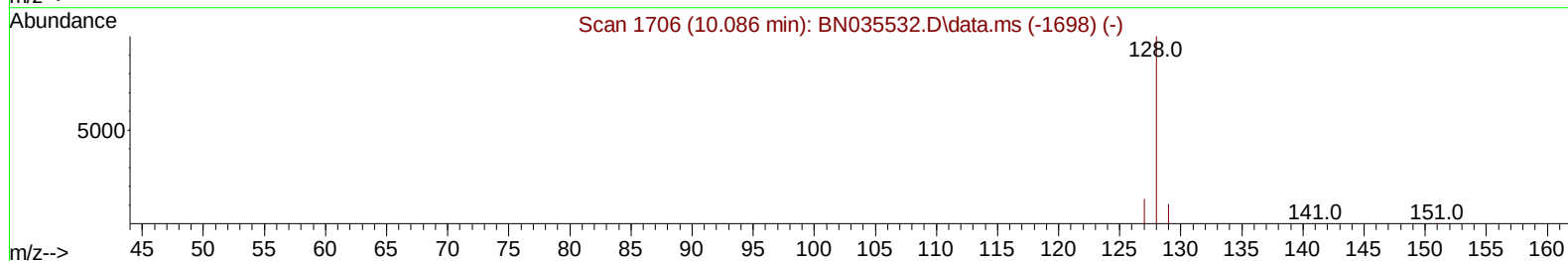
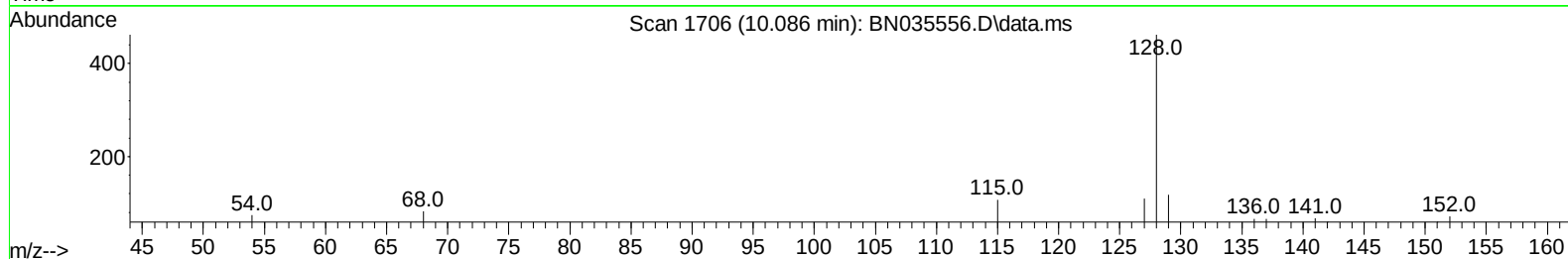
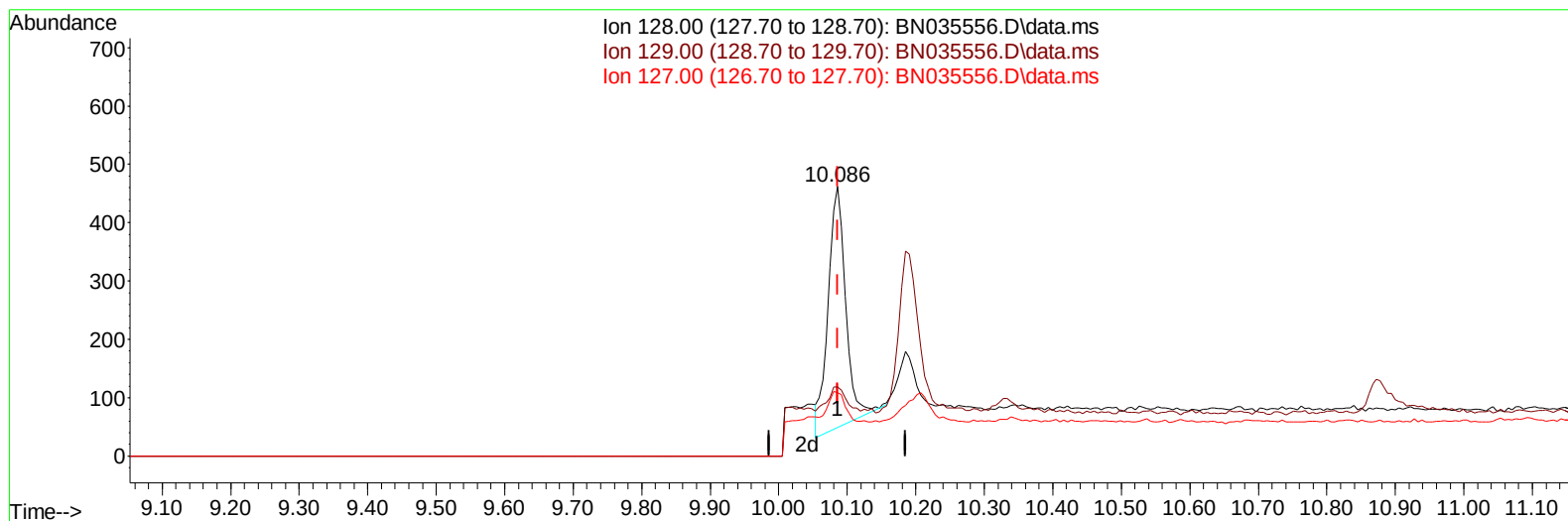
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

(5) Naphthalene

10.086min (+ 0.000) 0.04 ng/u1

response 740

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	25.54#
127.00	14.30	23.59#
0.00	0.00	0.00

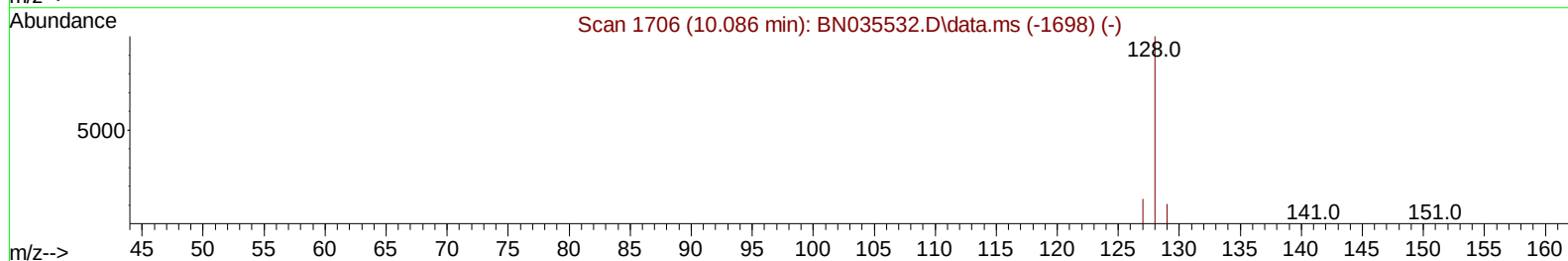
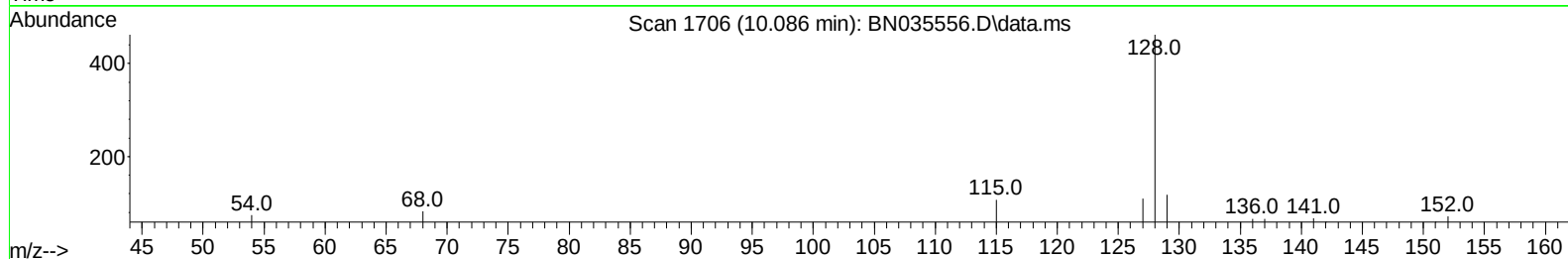
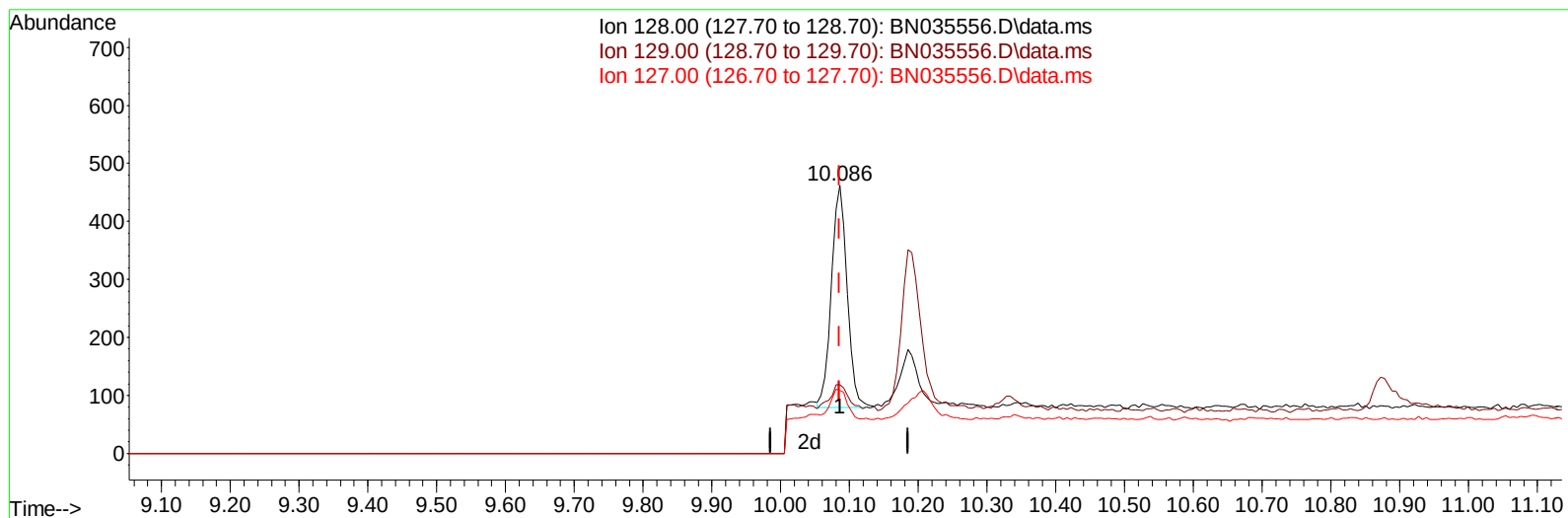
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

(5) Naphthalene

10.086min (+ 0.000) 0.03 ng/ul m

response 608

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	25.54#
127.00	14.30	23.59#
0.00	0.00	0.00

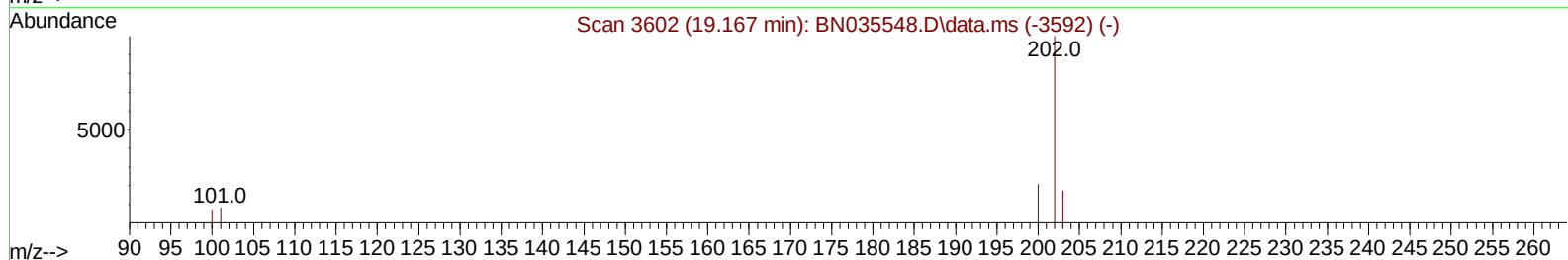
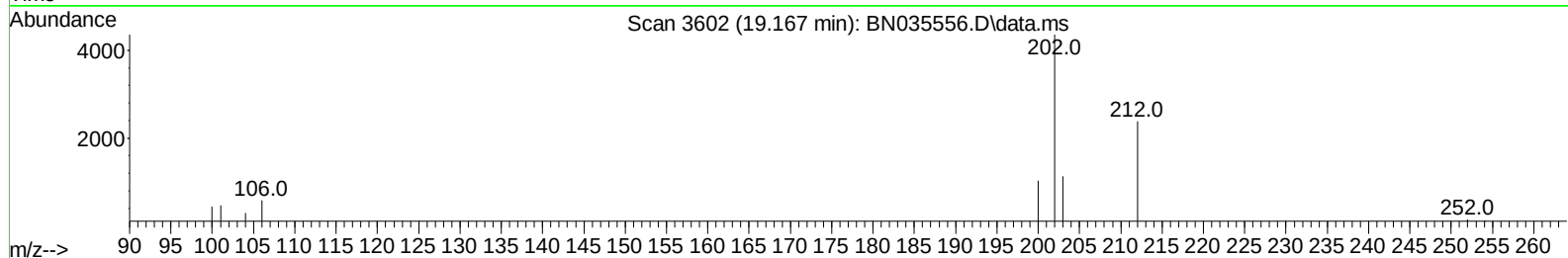
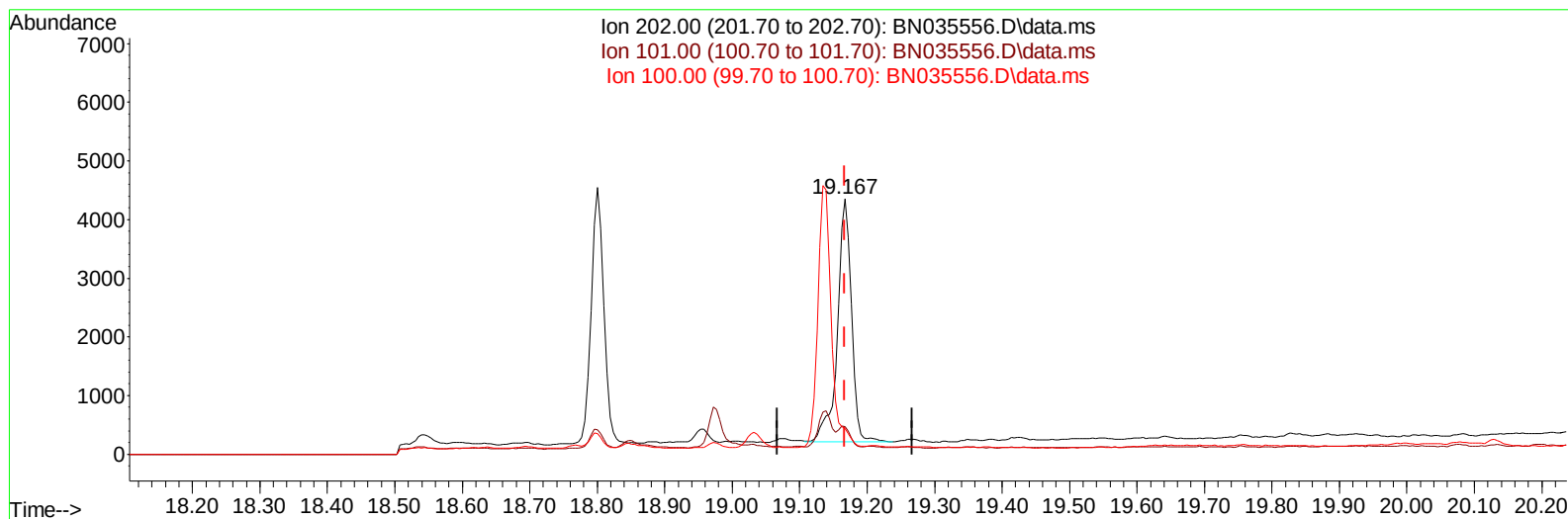
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/12/2024
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TIC: BN035556.D\data.ms

(20) Pyrene

19.167min (+ 0.000) 0.30 ng/u1

response 5967

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	10.81#
100.00	6.40	10.17#
0.00	0.00	0.00

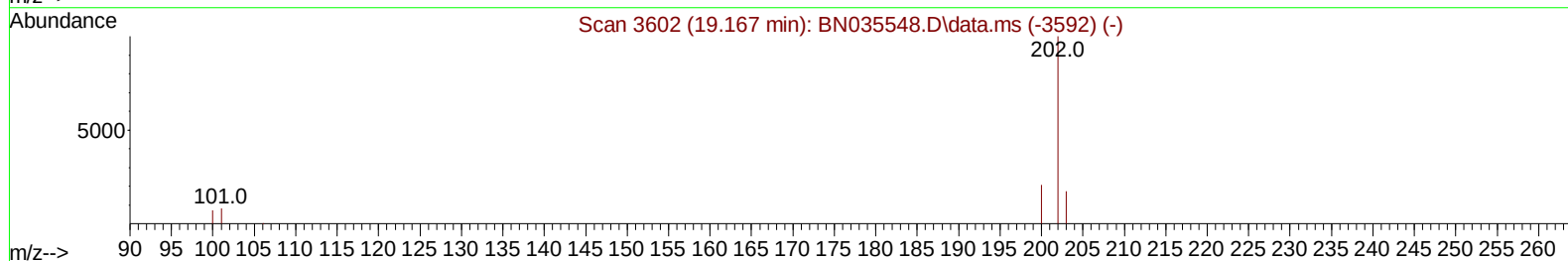
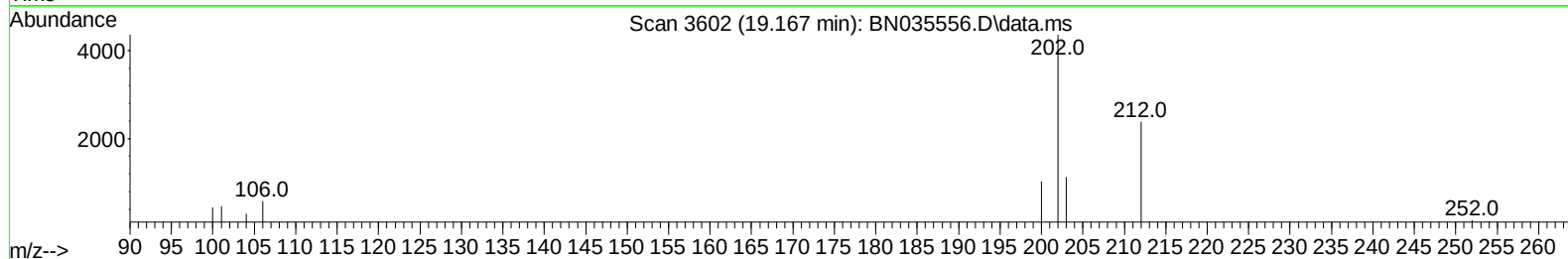
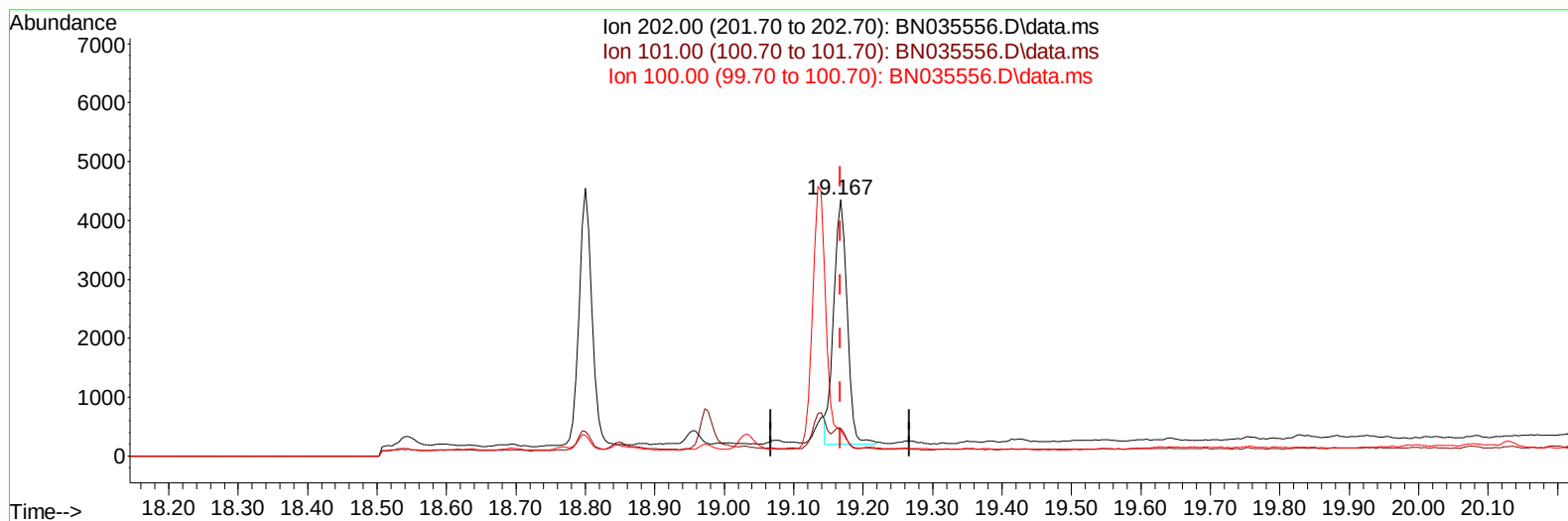
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

(20) Pyrene

19.167min (+ 0.000) 0.28 ng/ul m

response 5530

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.80	10.81#
100.00	6.40	10.17#
0.00	0.00	0.00

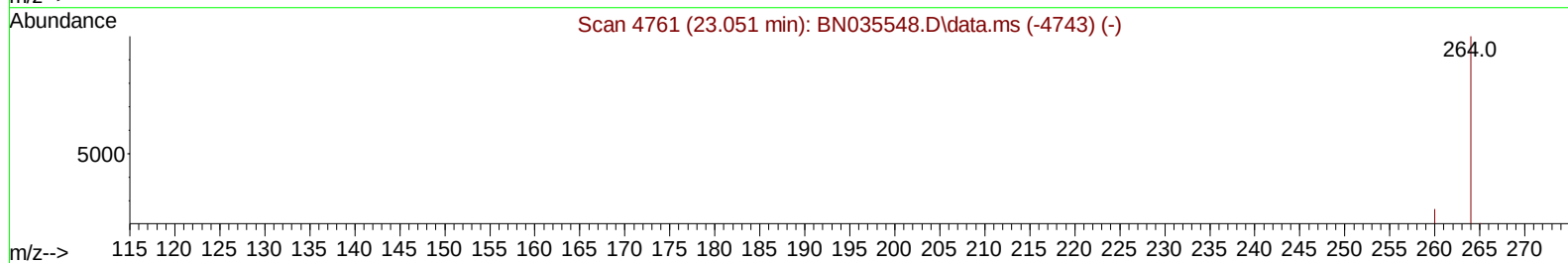
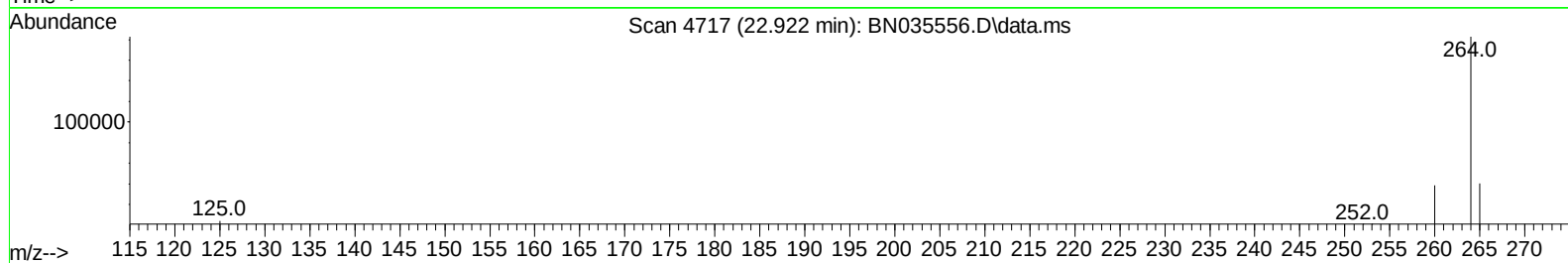
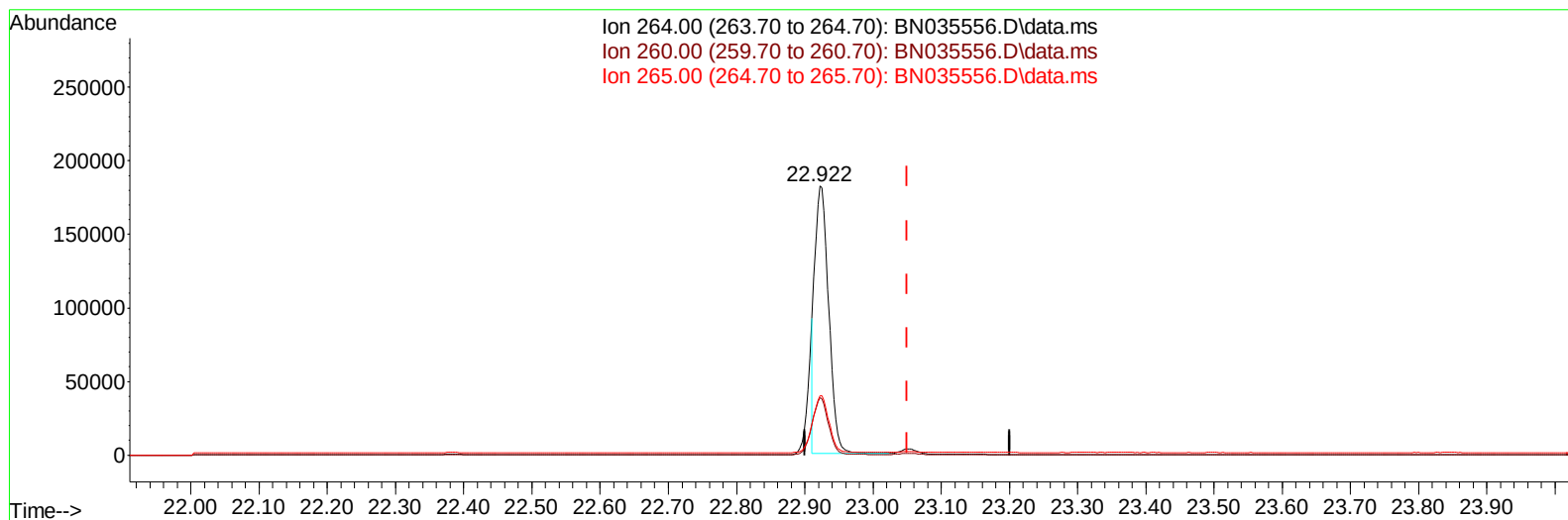
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035556.D\data.ms

(23) Perylene-d12 (I)

22.922min (-0.128) 0.40 ng/u1

response 256154

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.27
265.00	75.50	22.14#
0.00	0.00	0.00

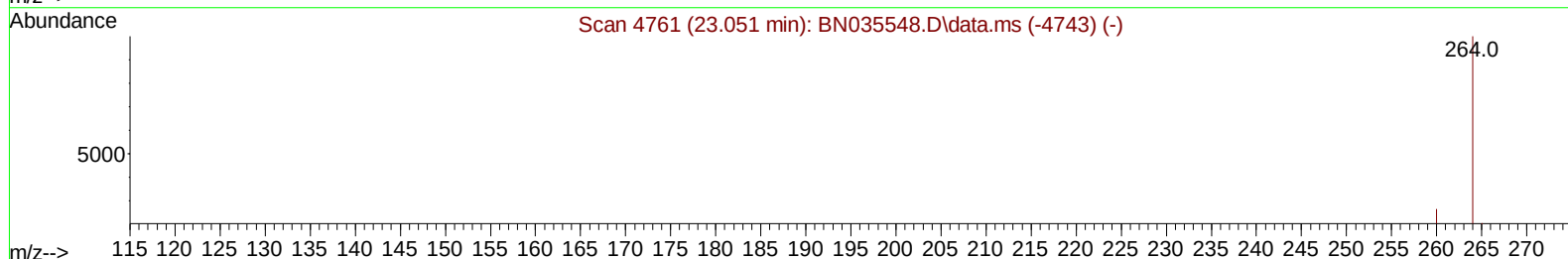
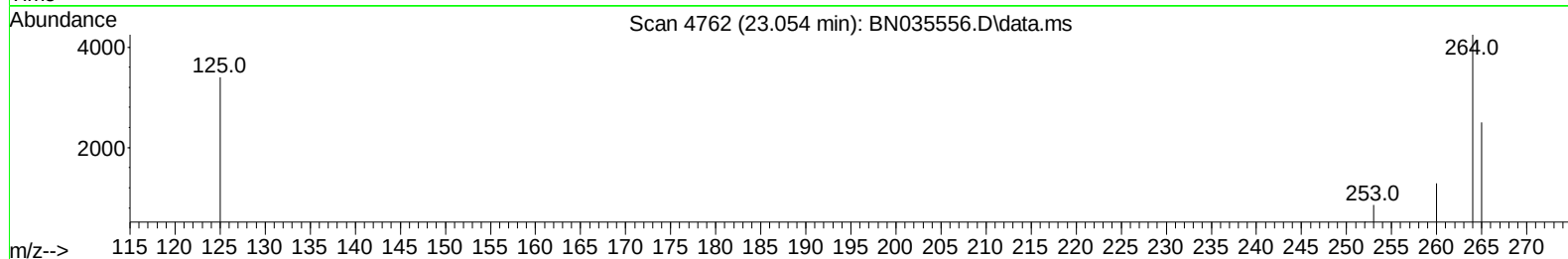
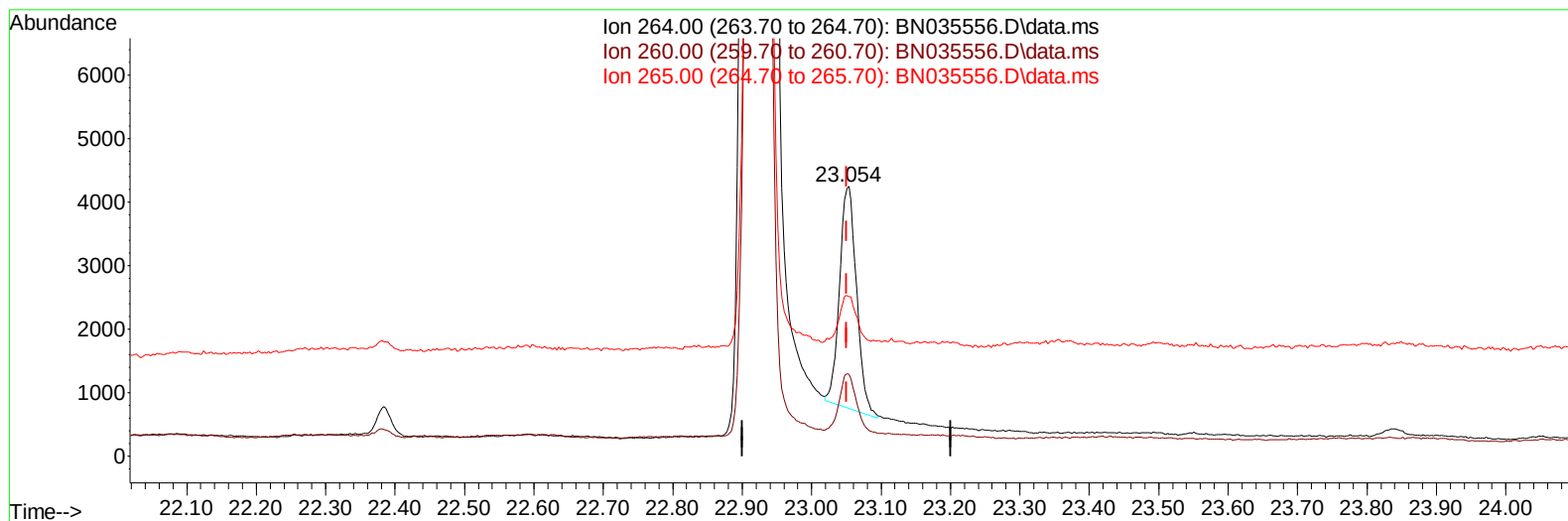
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

(23) Perylene-d12 (I)

23.054min (+ 0.003) 0.40 ng/ul m

response 5943

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	30.32
265.00	75.50	58.97#
0.00	0.00	0.00

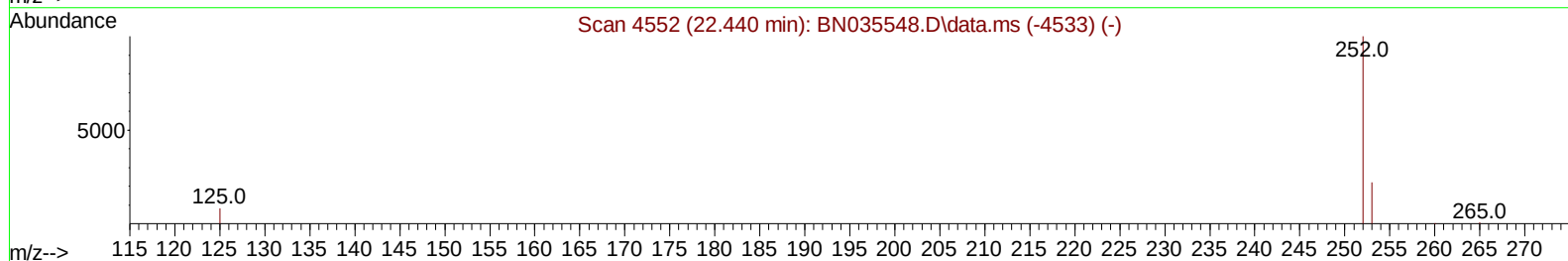
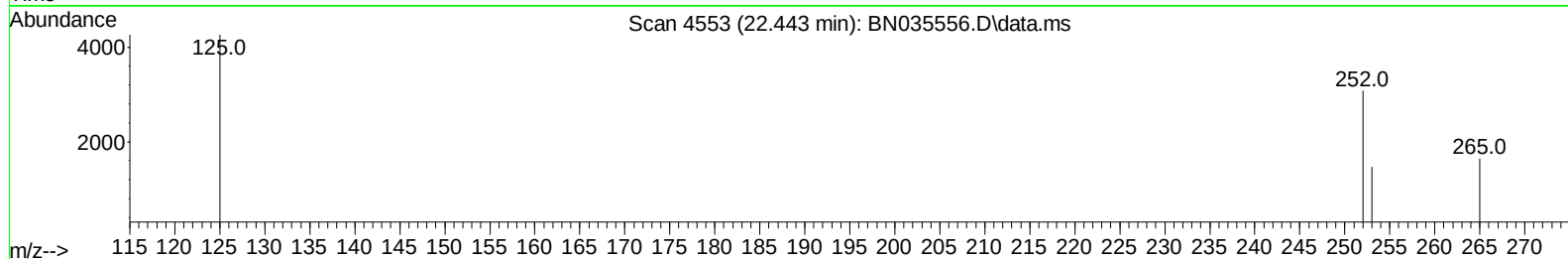
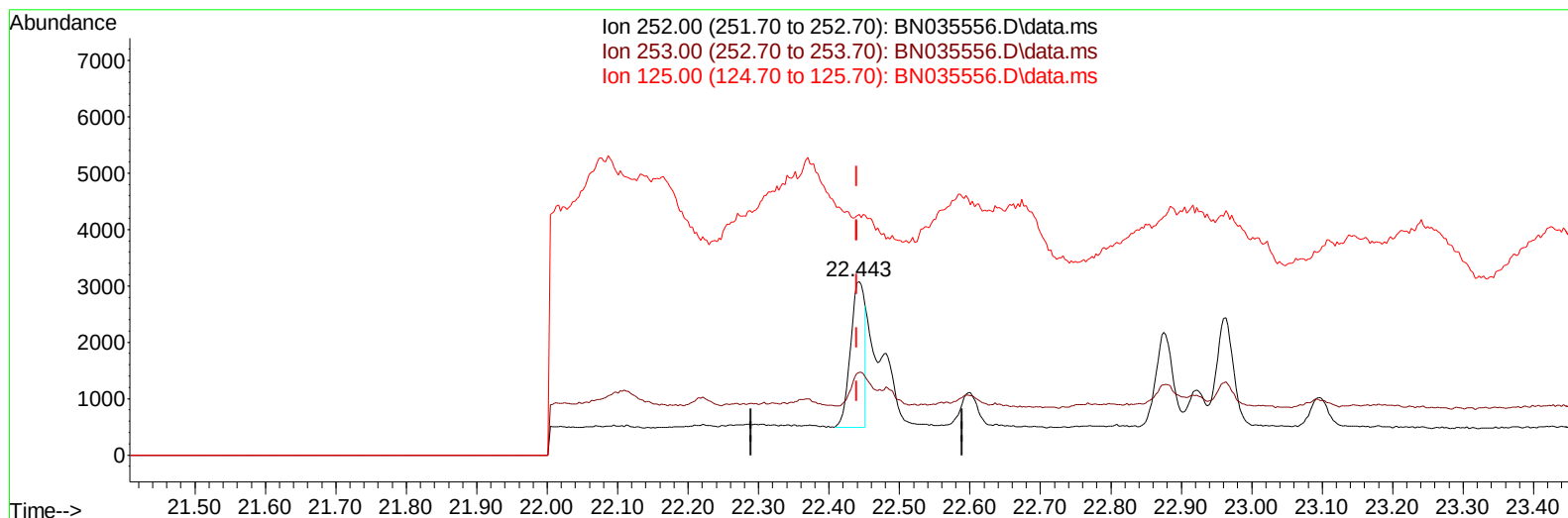
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/12/2024
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TIC: BN035556.D\data.ms

(24) Benzo(b)fluoranthene

22.443min (+ 0.003) 0.18 ng/u1

response 3622

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	47.81
125.00	9.70	138.54#
0.00	0.00	0.00

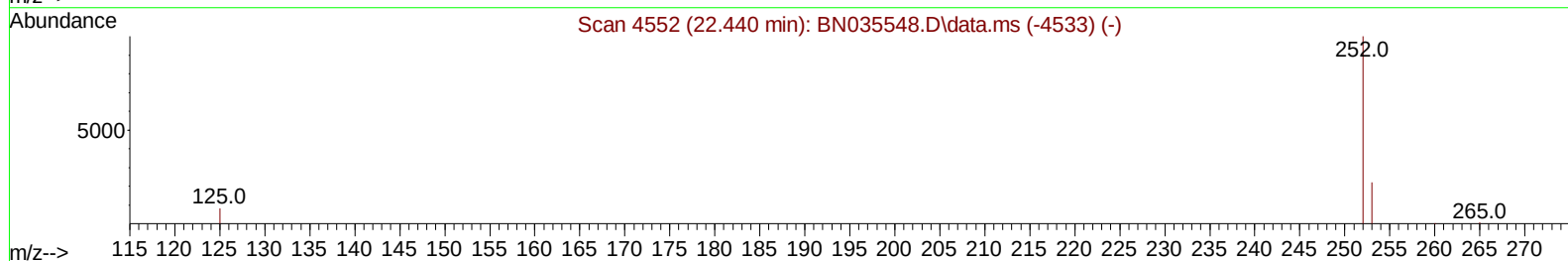
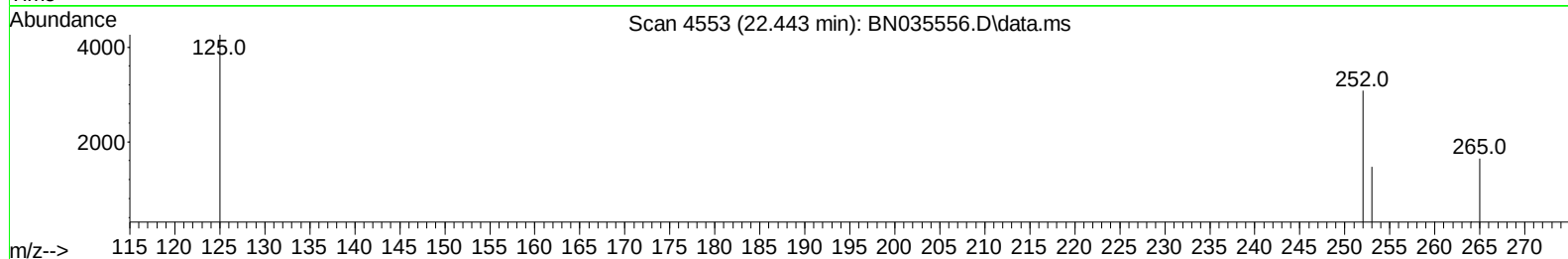
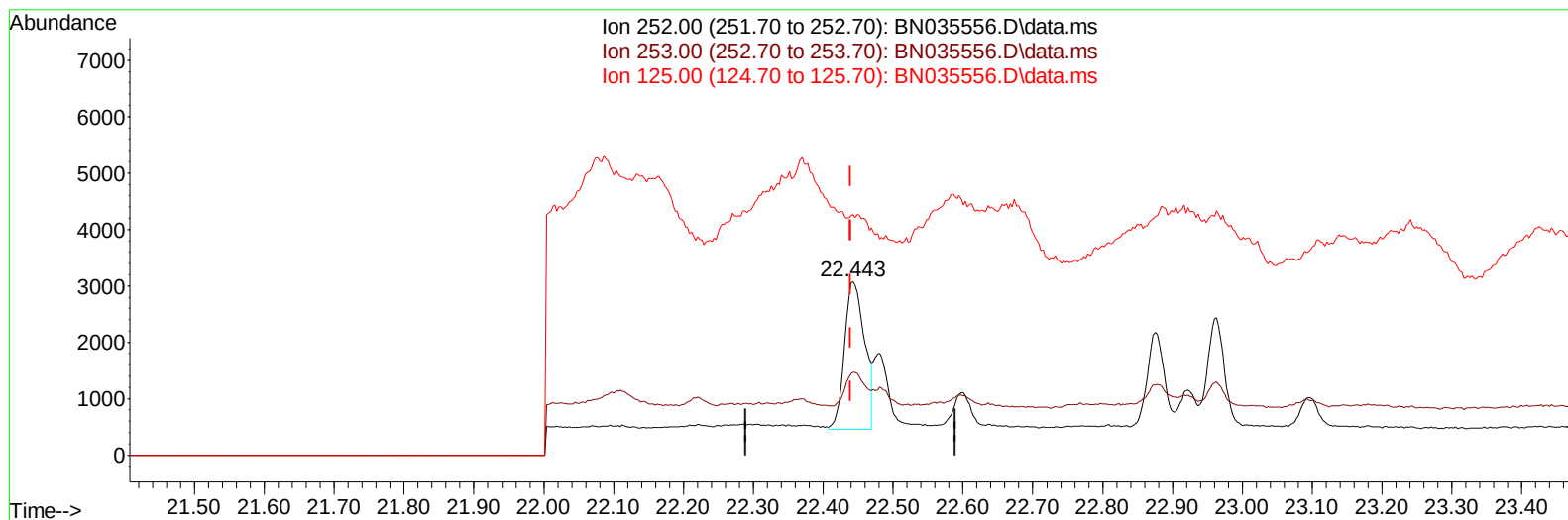
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035556.D\data.ms

(24) Benzo(b)fluoranthene

22.443min (+ 0.003) 0.27 ng/ul m

response 5288

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	47.81
125.00	9.70	138.54#
0.00	0.00	0.00

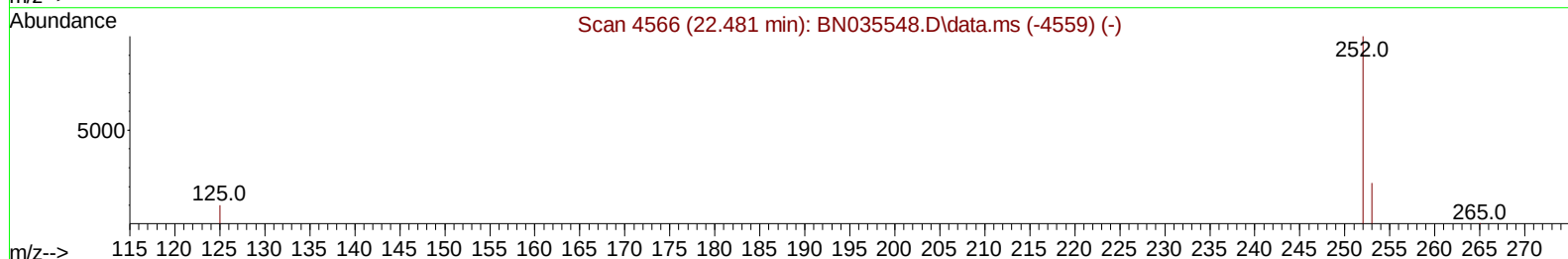
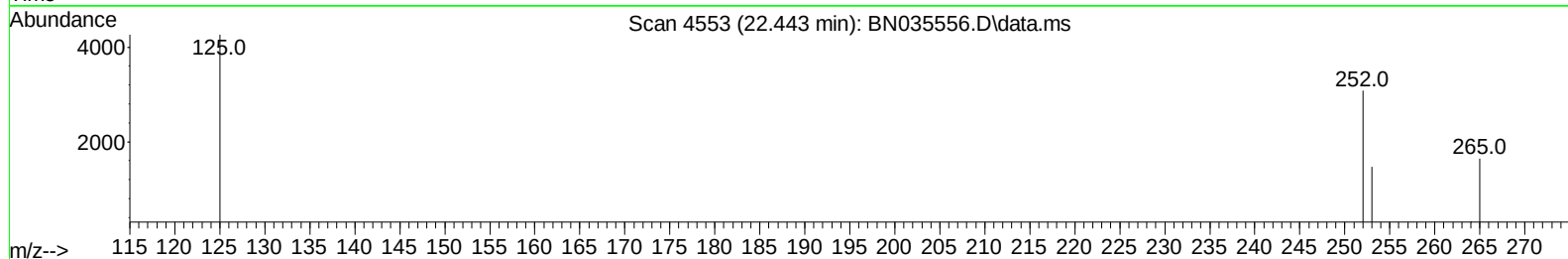
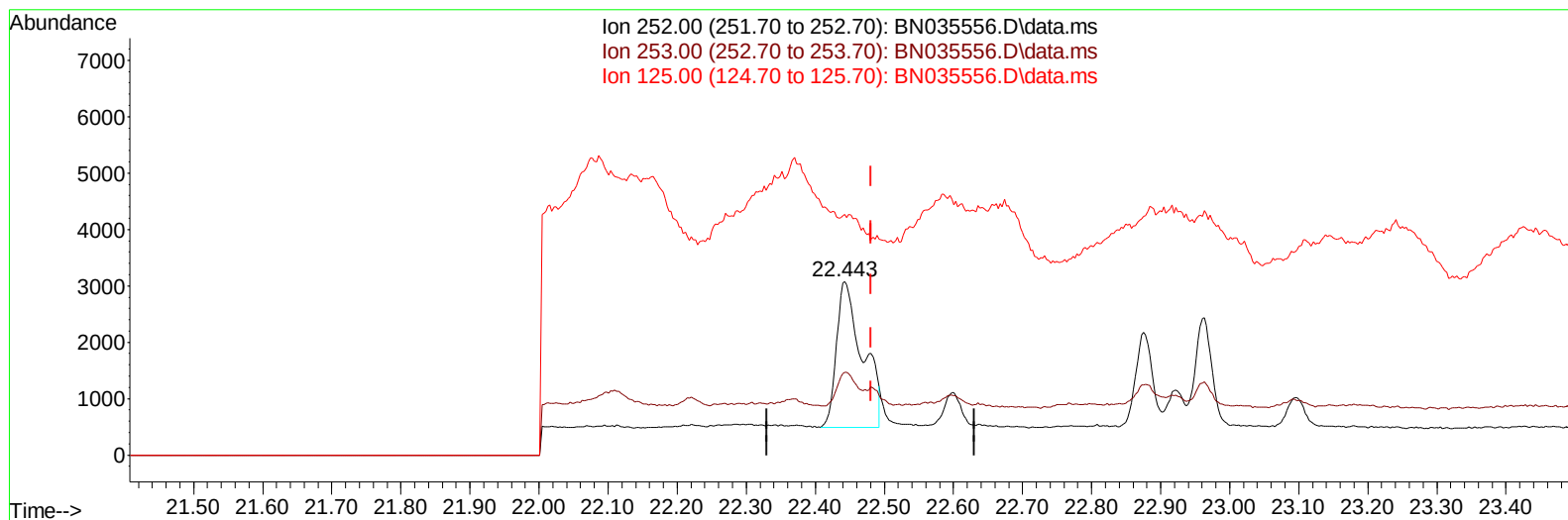
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035556.D\data.ms

(25) Benzo(k)fluoranthene

22.443min (-0.038) 0.33 ng/u1

response 6743

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	47.81#
125.00	10.70	138.54#
0.00	0.00	0.00

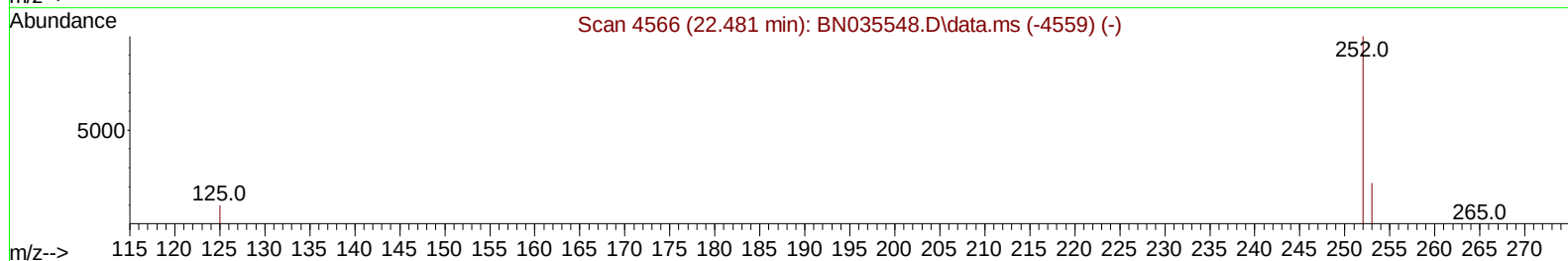
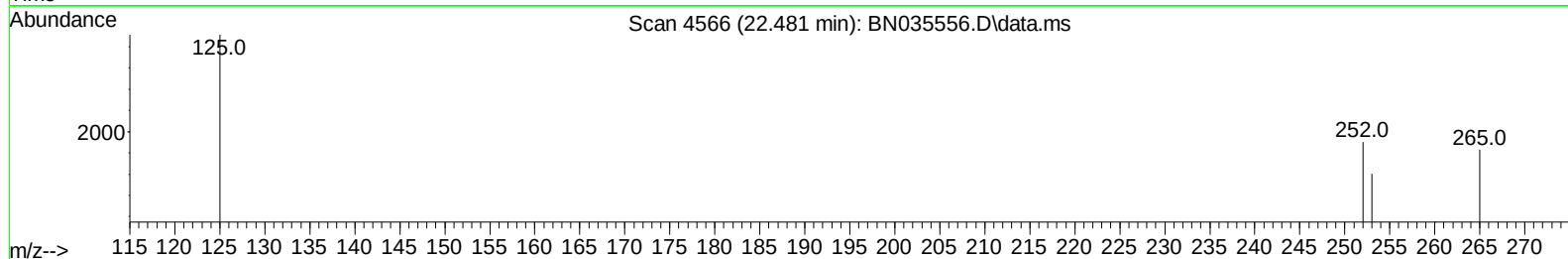
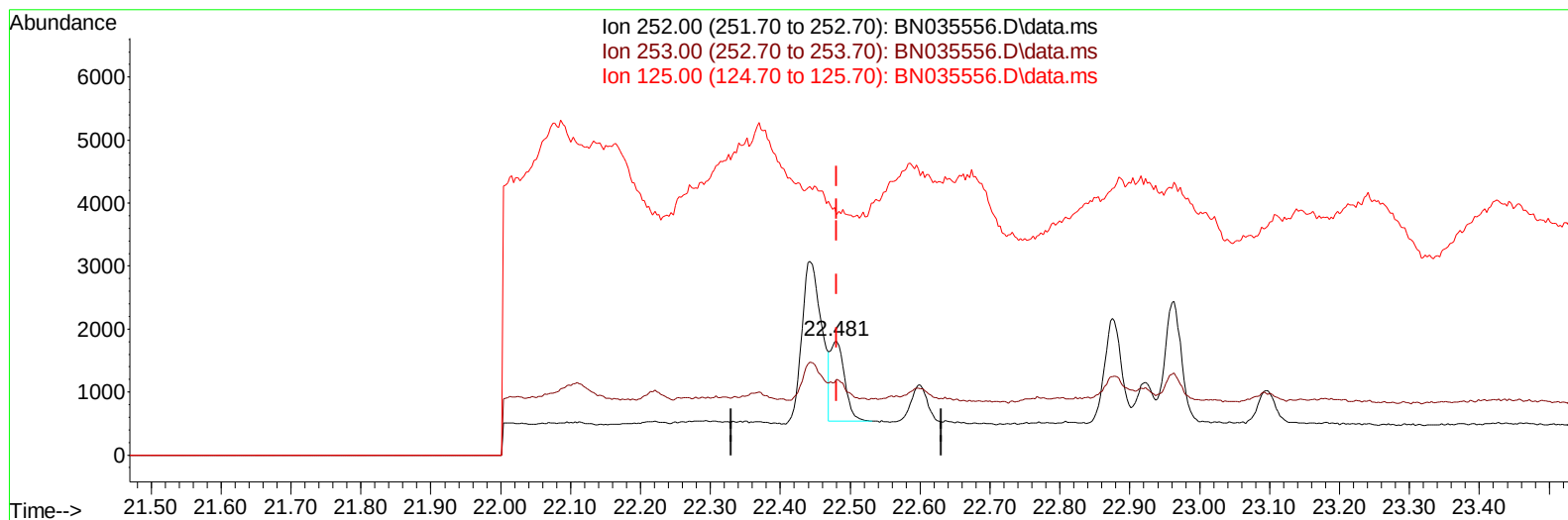
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035556.D\data.ms

(25) Benzo(k)fluoranthene

22.481min (+ 0.000) 0.09 ng/ul m

response 1776

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	66.81#
125.00	10.70	211.50#
0.00	0.00	0.00

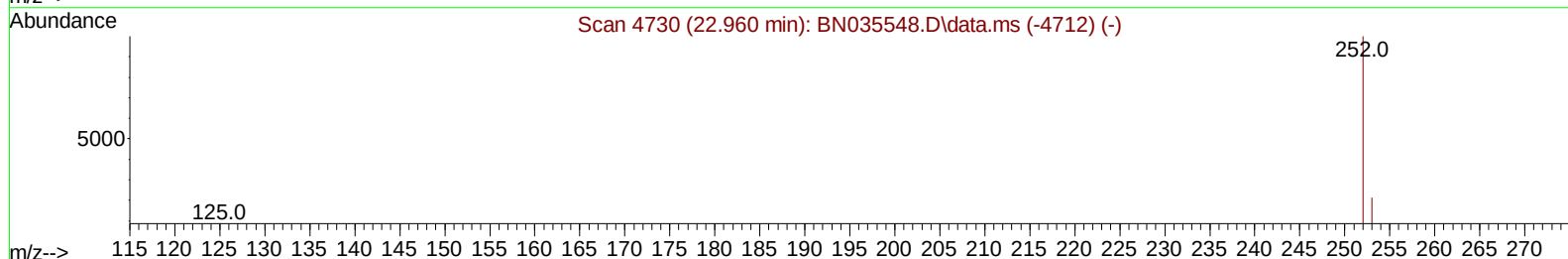
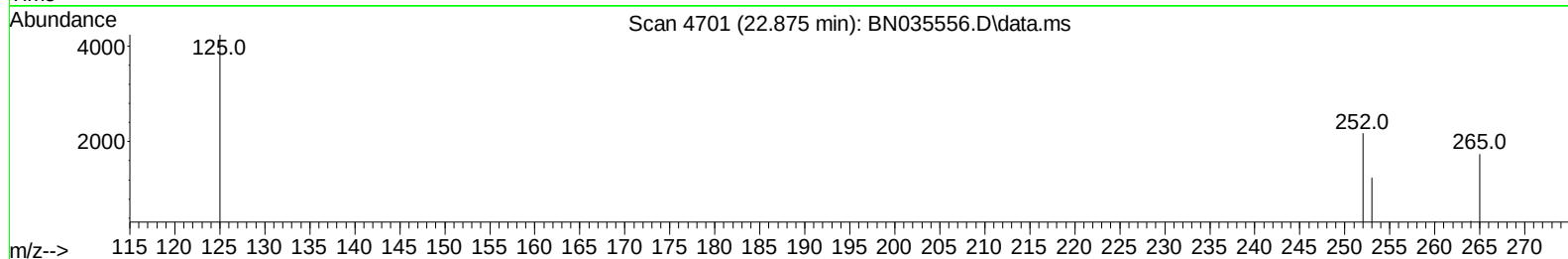
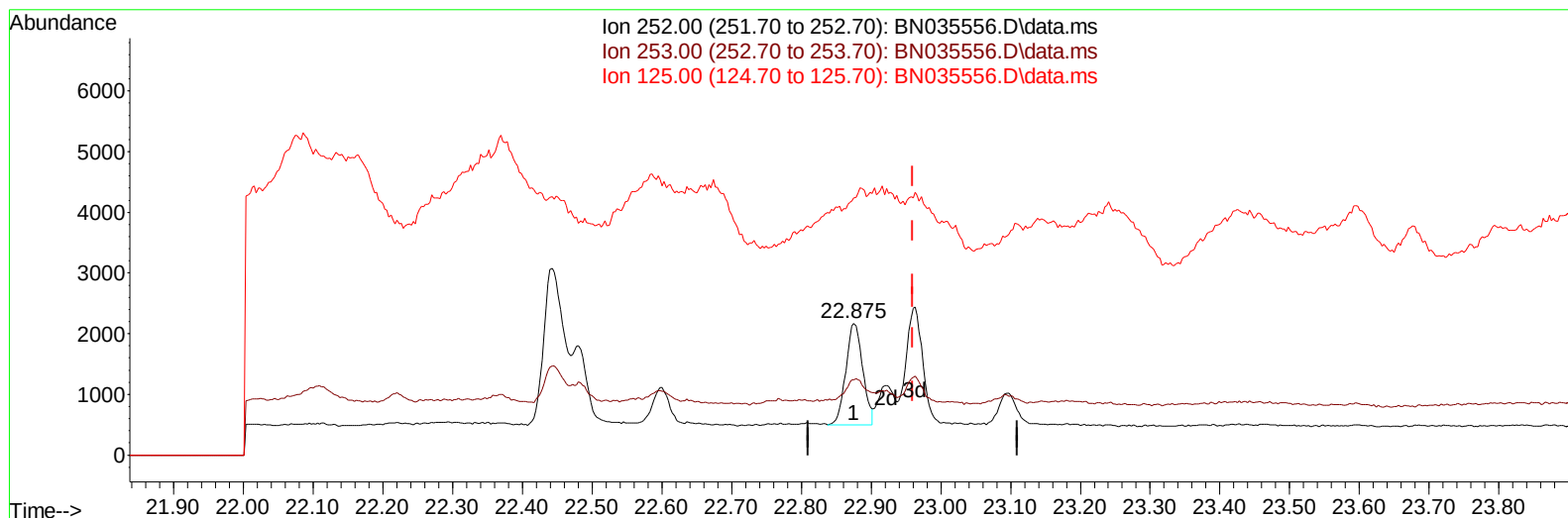
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/12/2024
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TIC: BN035556.D\data.ms

(26) Benzo(a)pyrene (C)

22.875min (-0.085) 0.16 ng/u1

response 2814

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	57.27#
125.00	11.80	194.98#
0.00	0.00	0.00

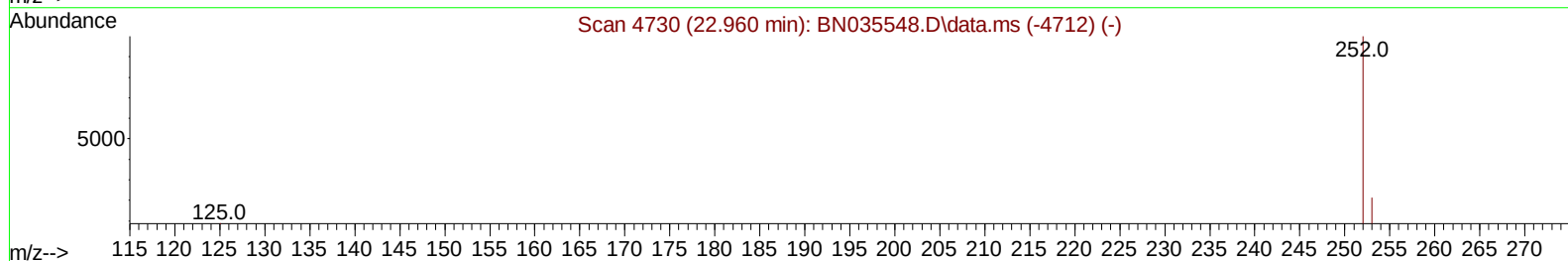
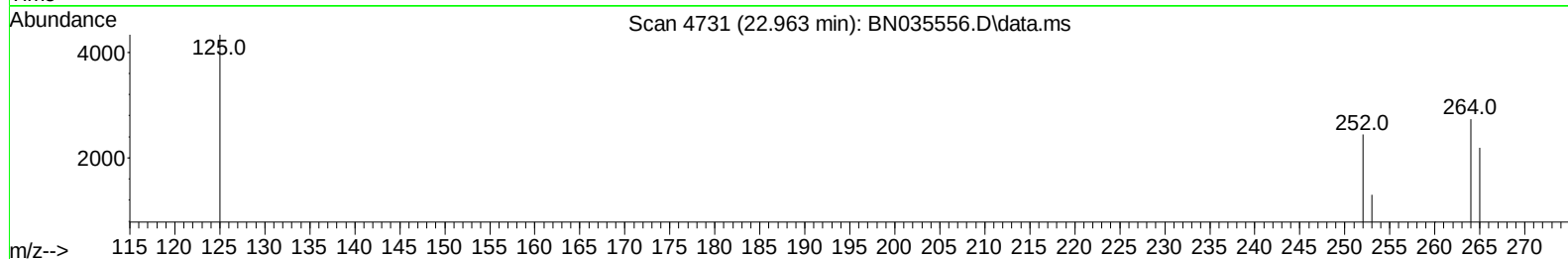
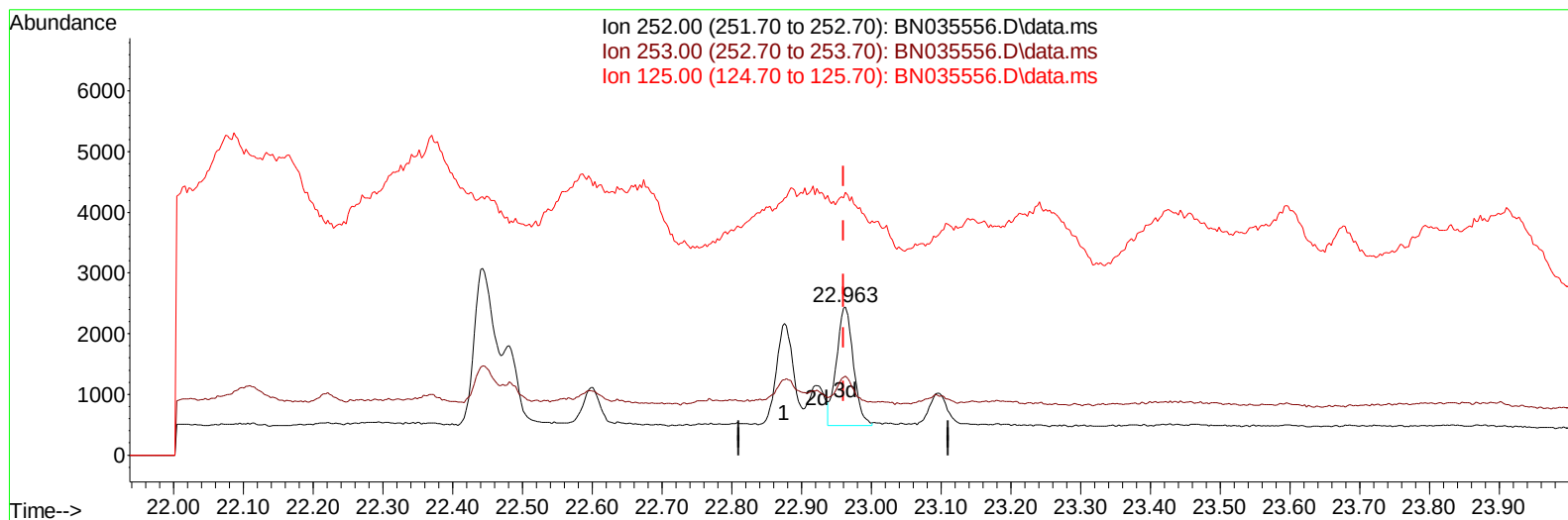
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

(26) Benzo(a)pyrene (C)

22.963min (+ 0.003) 0.18 ng/ul m

response 3272

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	53.45#
125.00	11.80	177.73#
0.00	0.00	0.00

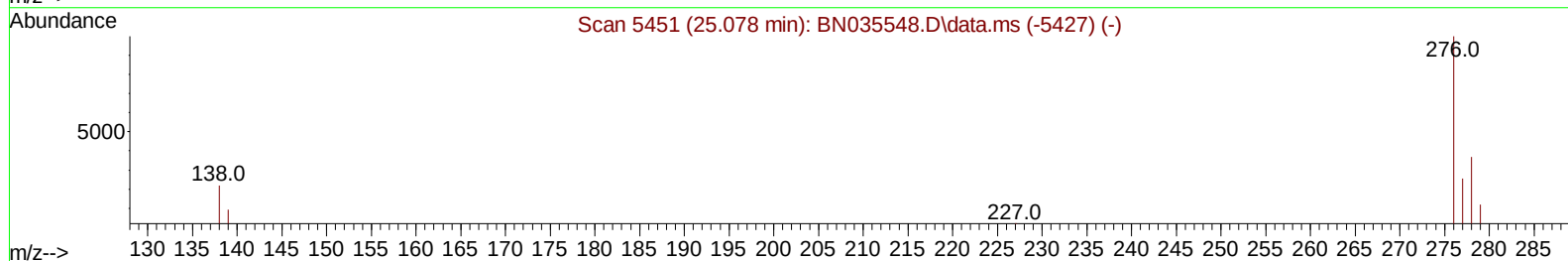
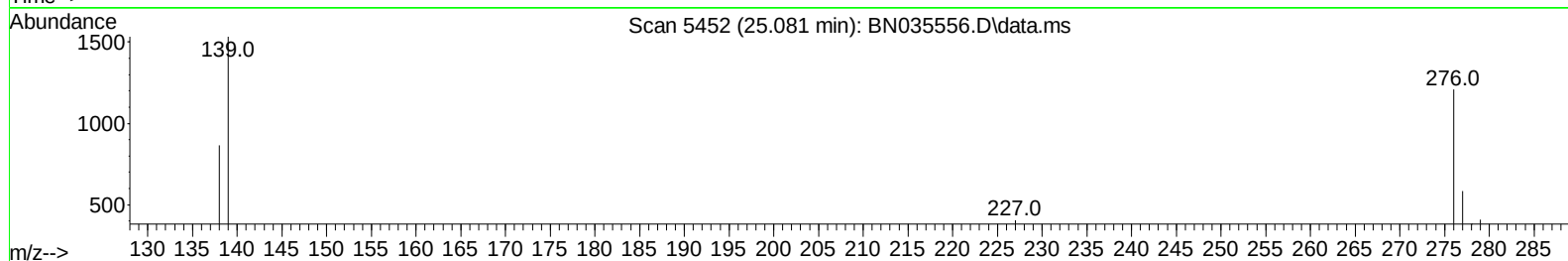
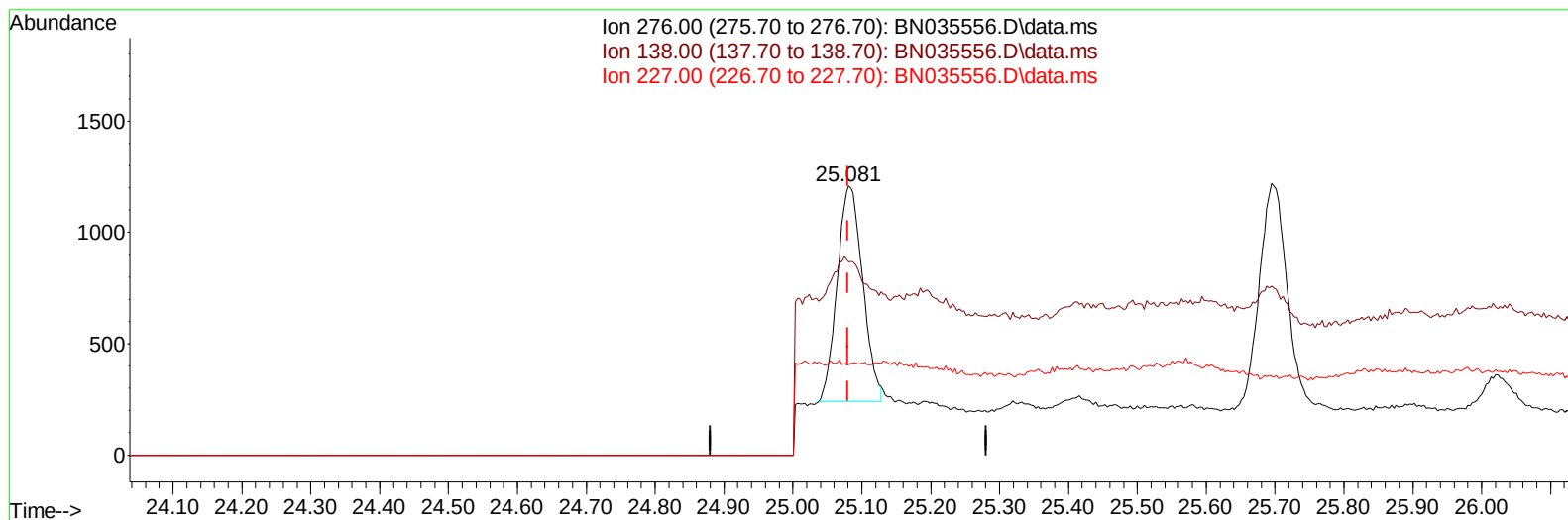
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

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

25.081min (+ 0.000) 0.10 ng/u1

response 2481

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	229.02#
227.00	0.30	126.24#
0.00	0.00	0.00

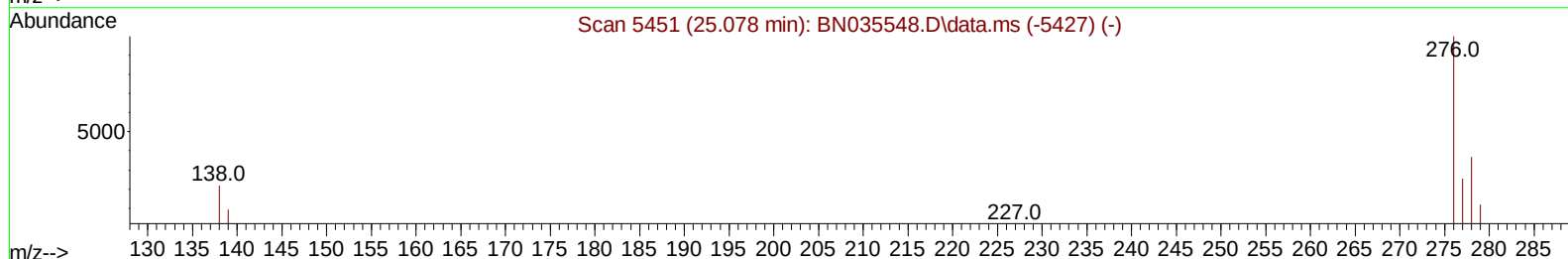
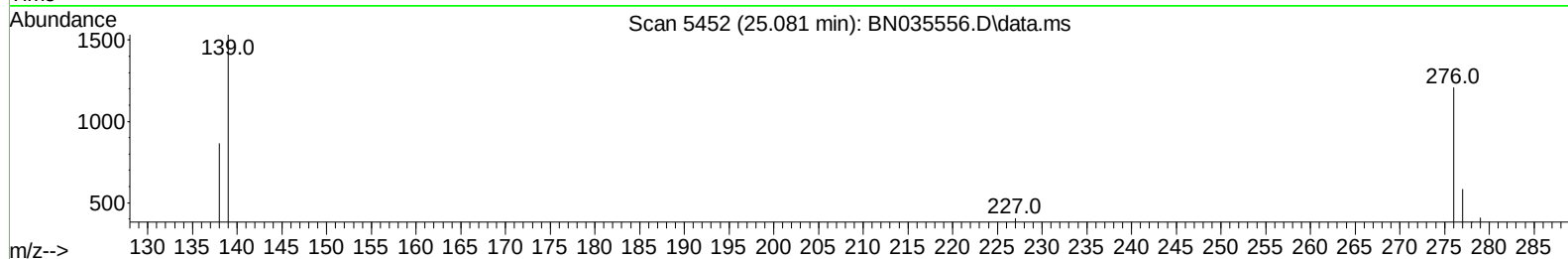
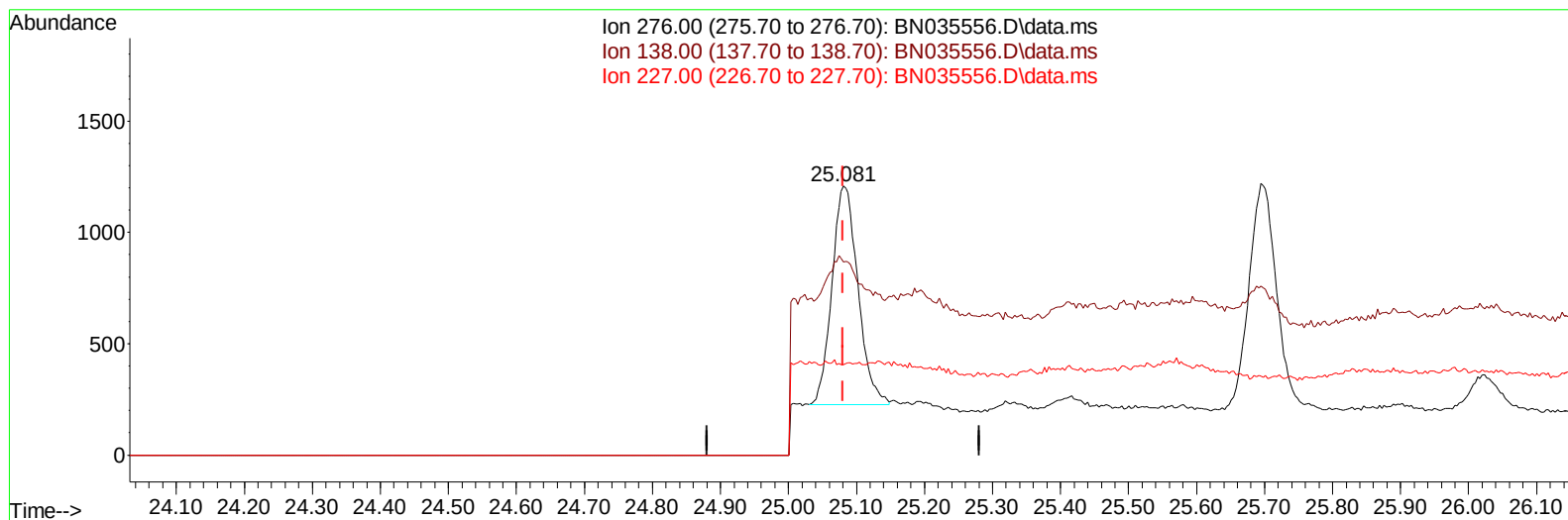
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:53:34 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 : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035556.D\data.ms

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

25.081min (+ 0.000) 0.11 ng/ul m

response 2608

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	217.87#
227.00	0.30	120.09#
0.00	0.00	0.00

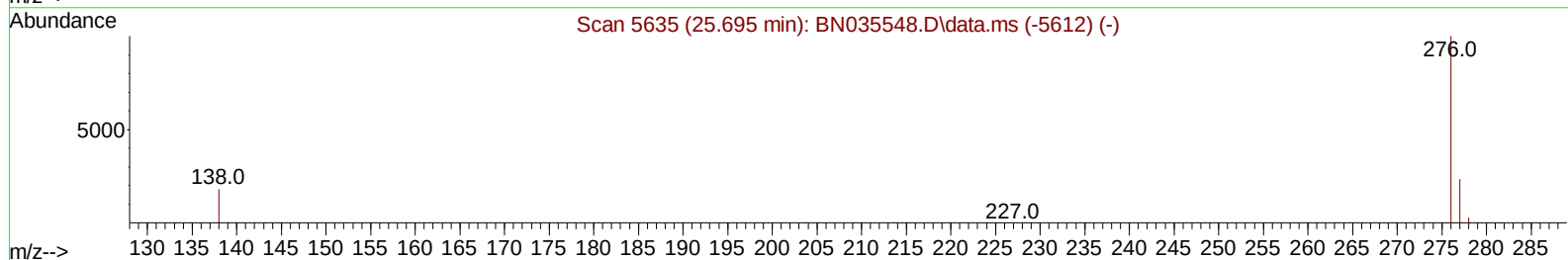
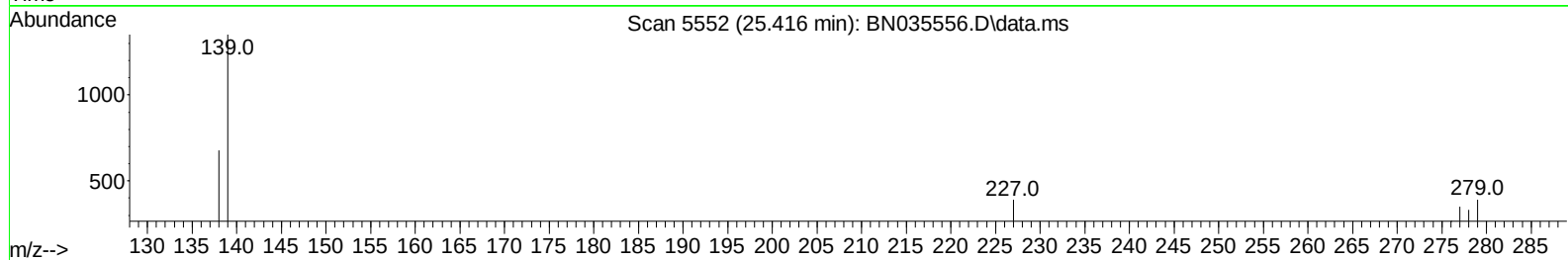
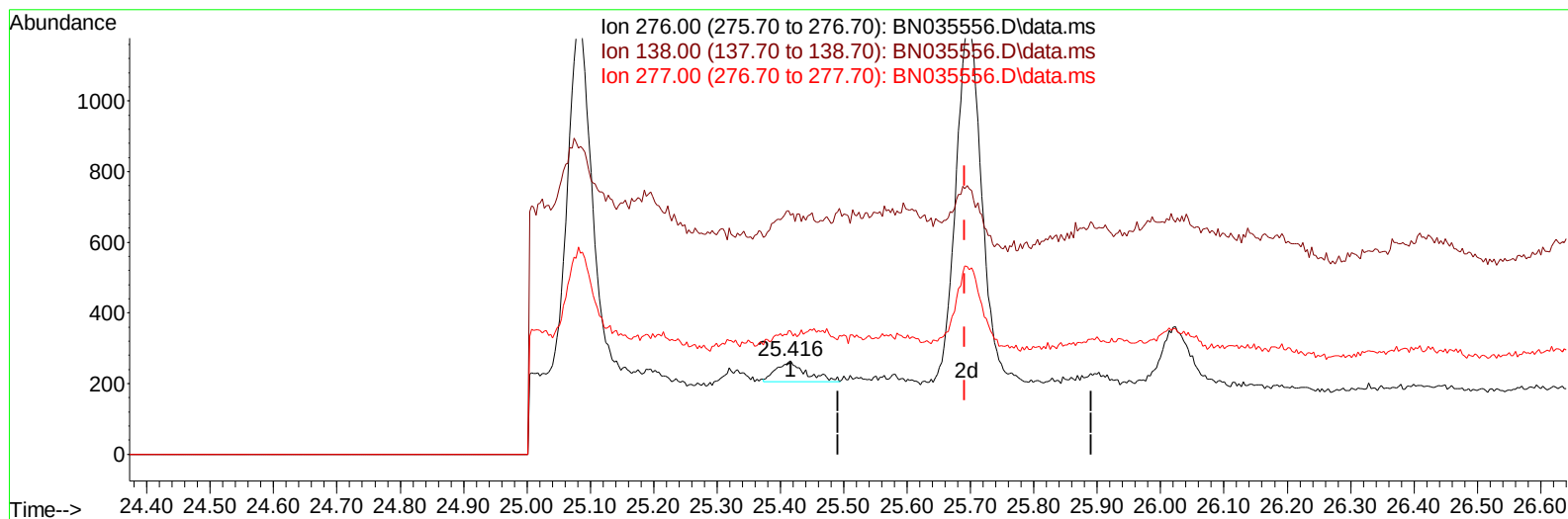
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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TIC: BN035556.D\data.ms

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

25.416min (-0.275) 0.01 ng/u1

response 183

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	255.47#
277.00	25.60	131.70#
0.00	0.00	0.00

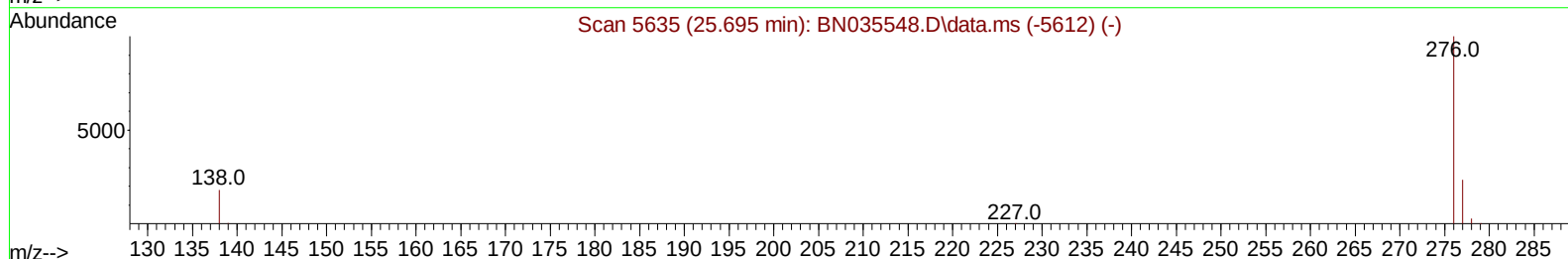
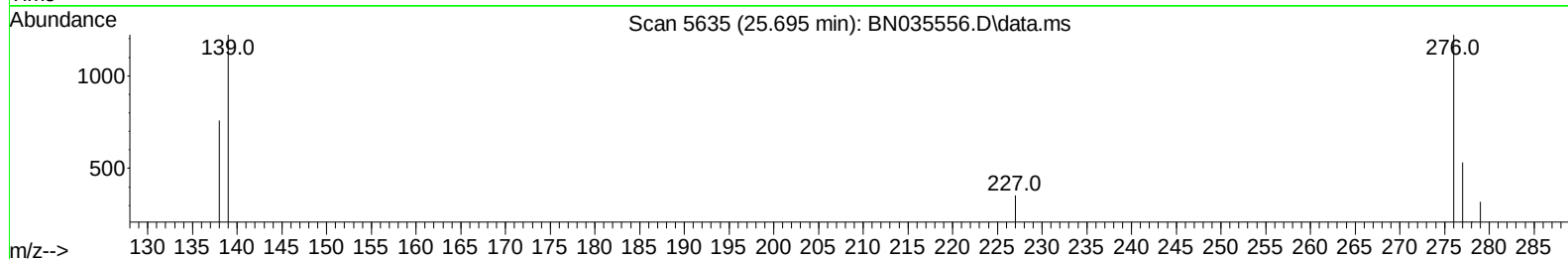
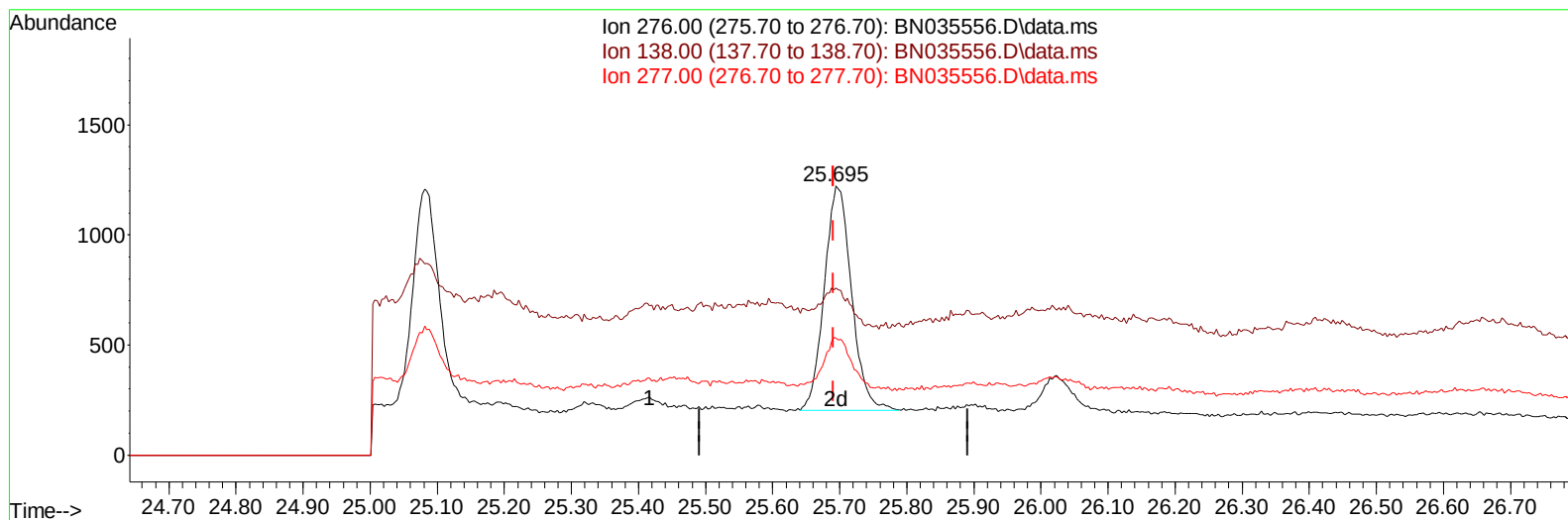
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035556.D
Acq On : 11 Dec 2024 06:30
Operator : RC/JU
Sample : P5066-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M5

Manual IntegrationsAPPROVED

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TIC: BN035556.D\data.ms

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

25.695min (+ 0.003) 0.15 ng/u1 m

response 2882

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	62.24#
277.00	25.60	43.49#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
 Data File : BN035556.D
 Acq On : 11 Dec 2024 06:30
 Operator : RC/JU
 Sample : P5066-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28M5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
 Supervised By :mohammad ahmed 12/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	2596	0.400	ng/ul	0.00
4) Naphthalene-d8	10.037	136	7942	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.949	164	5200	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	9814	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.964	240	5479	0.400	ng/ul	# 0.00
23) Perylene-d12	23.054	264	5943m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	8334	3.512	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	2512	0.216	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	4378	0.290	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.086	128	608m	0.030	ng/ul	
7) 2-Methylnaphthalene	11.714	142	513	0.037	ng/ul	95
8) 1-Methylnaphthalene	11.945	142	407	0.029	ng/ul	96
10) Acenaphthylene	13.662	152	970	0.047	ng/ul#	79
15) Phenanthrene	16.760	178	2396	0.092	ng/ul#	90
16) Anthracene	16.848	178	841	0.035	ng/ul#	67
19) Fluoranthene	18.800	202	5786	0.303	ng/ul#	94
20) Pyrene	19.167	202	5530m	0.279	ng/ul	
21) Benzo(a)anthracene	20.947	228	2622	0.138	ng/ul#	59
22) Chrysene	20.999	228	3222	0.168	ng/ul#	63
24) Benzo(b)fluoranthene	22.443	252	5288m	0.269	ng/ul	
25) Benzo(k)fluoranthene	22.481	252	1776m	0.088	ng/ul	
26) Benzo(a)pyrene	22.963	252	3272m	0.182	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.081	276	2608m	0.108	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	2882m	0.151	ng/ul	

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

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