

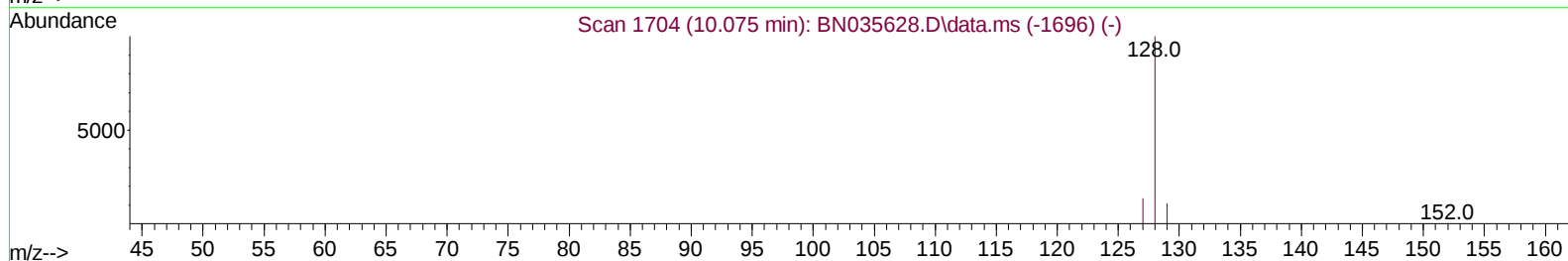
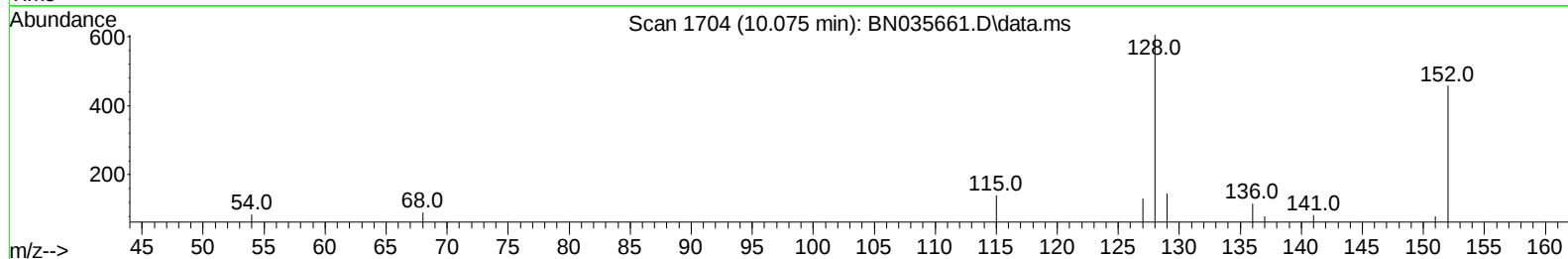
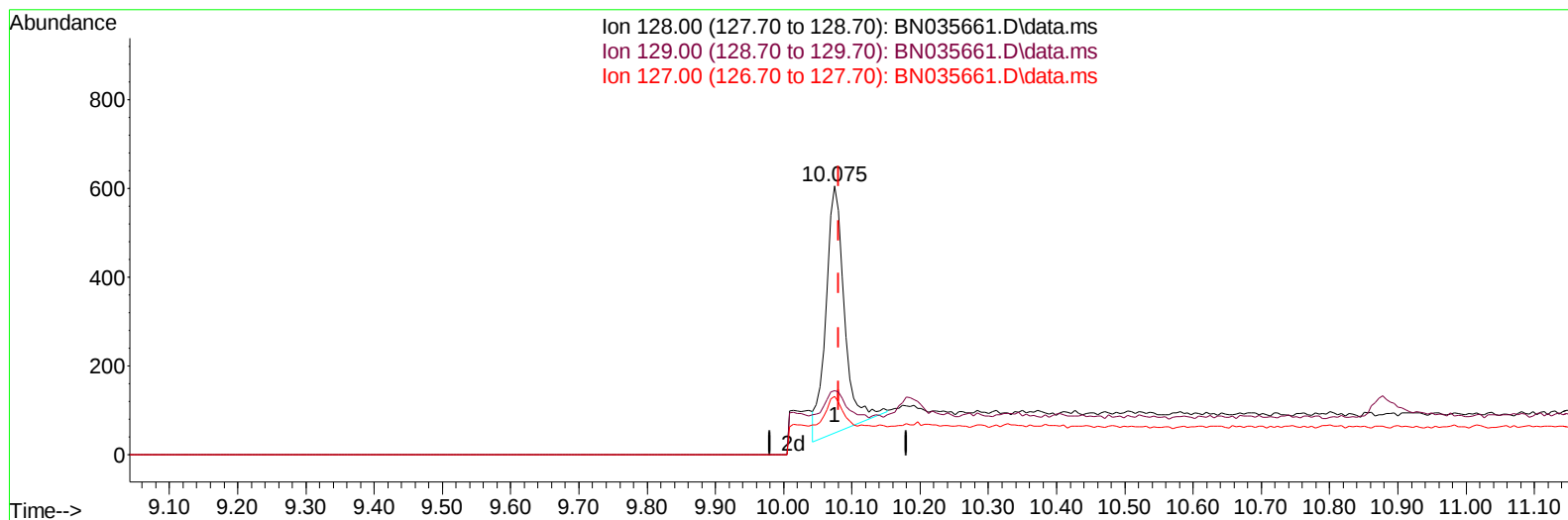
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035661.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.05 ng/u1

response 1052

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	23.97#
127.00	15.00	21.65#
0.00	0.00	0.00

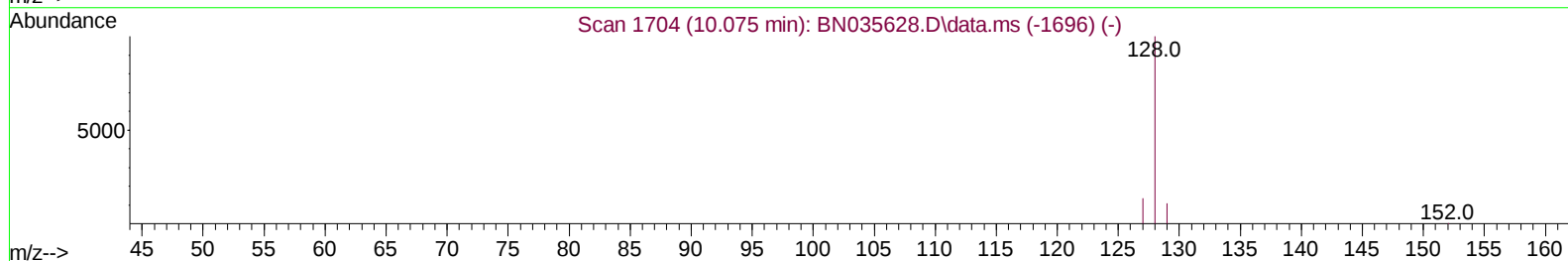
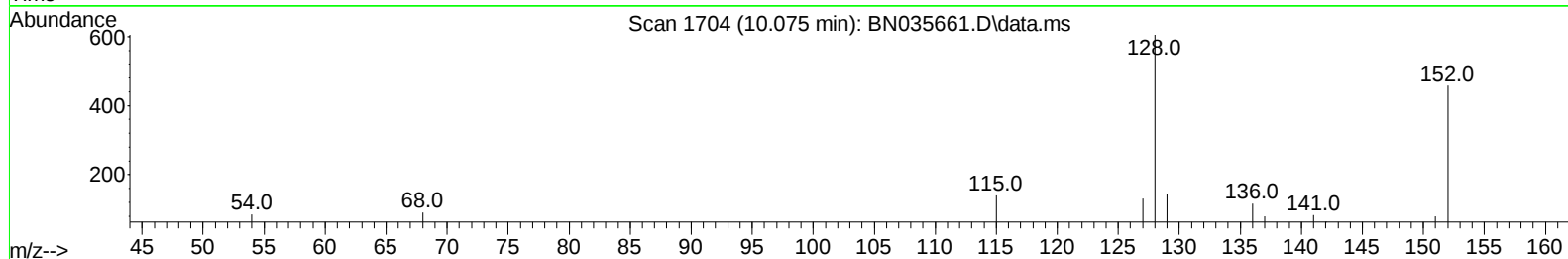
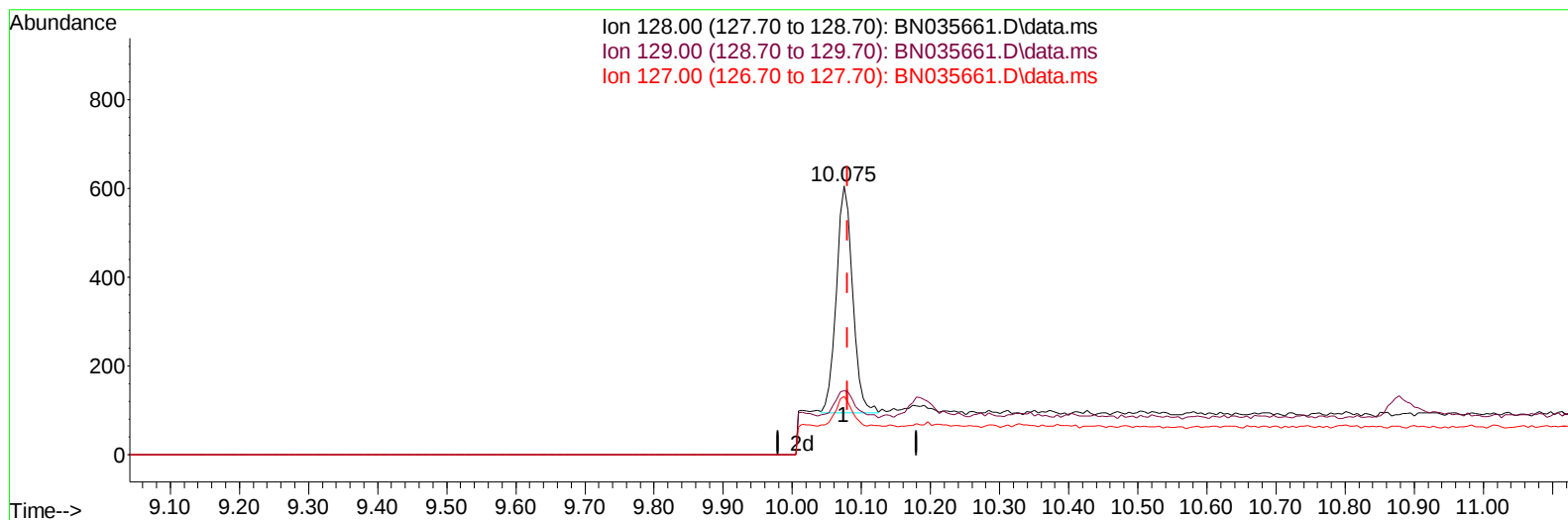
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035661.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.04 ng/ul m

response 834

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	23.97#
127.00	15.00	21.65#
0.00	0.00	0.00

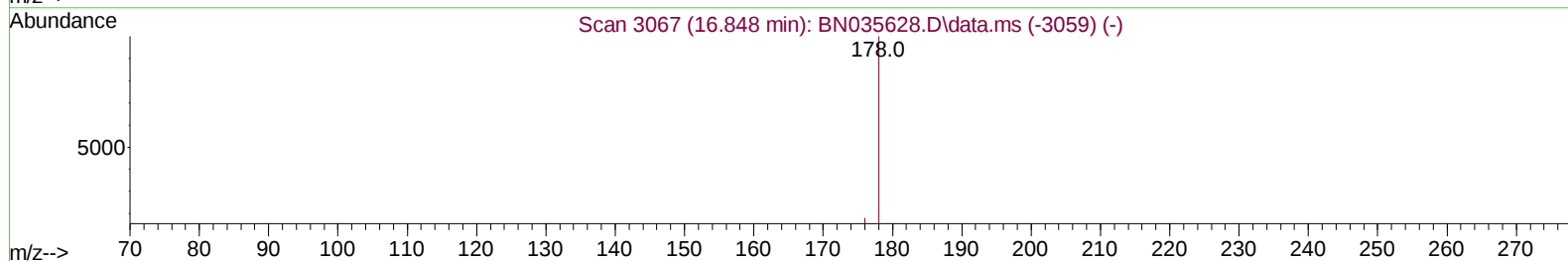
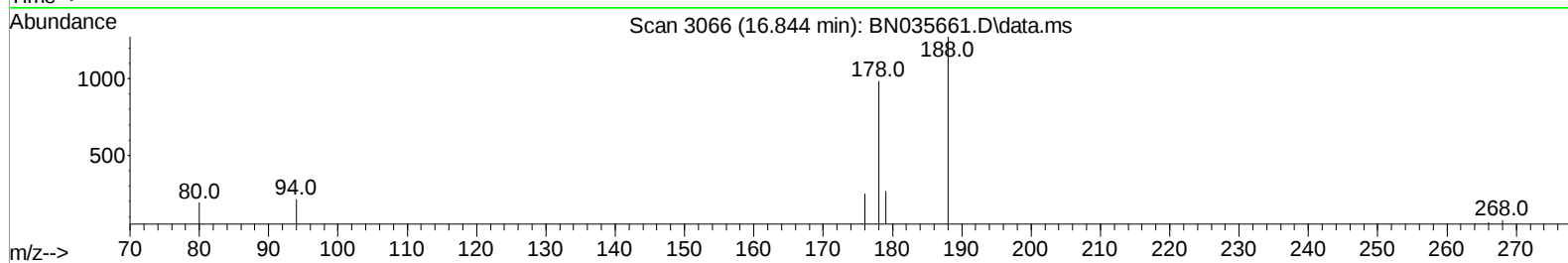
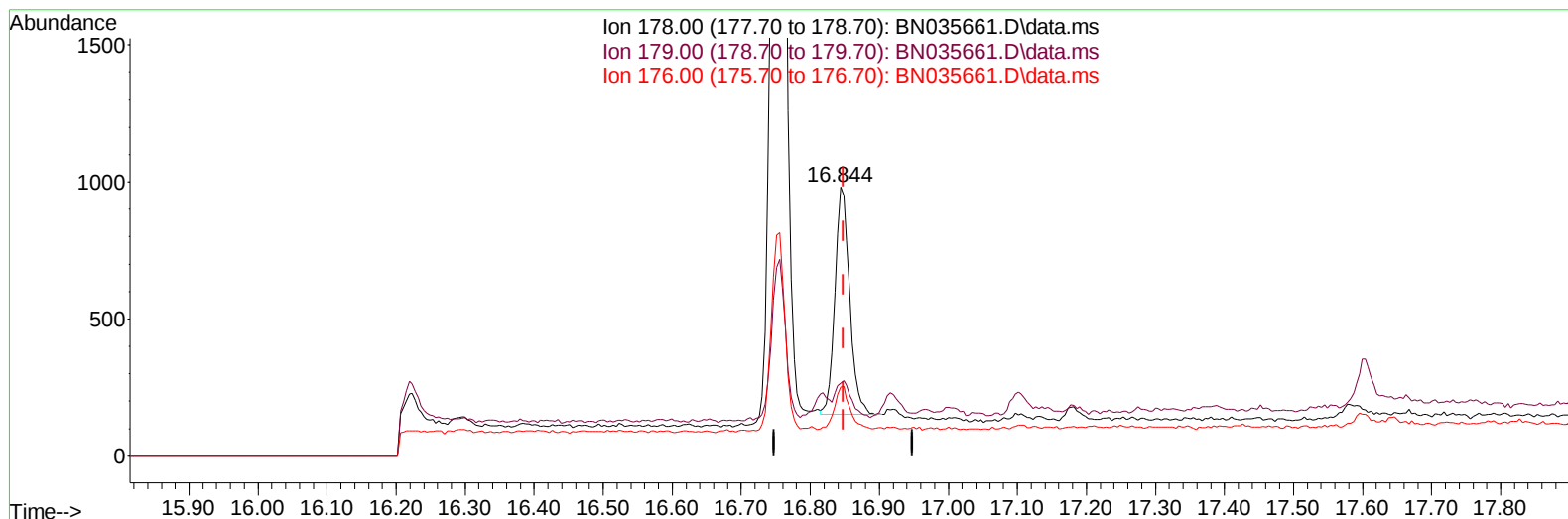
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(16) Anthracene

16.844min (-0.004) 0.04 ng/u1

response 1211

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	27.16#
176.00	19.20	25.53#
0.00	0.00	0.00

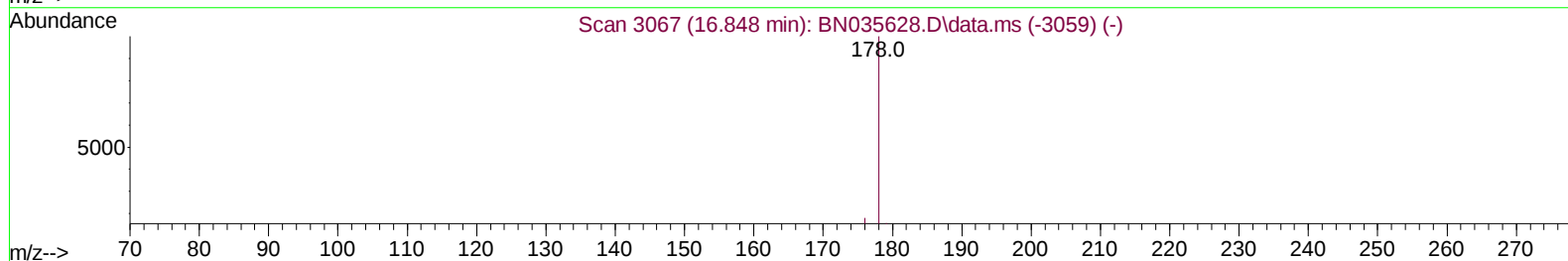
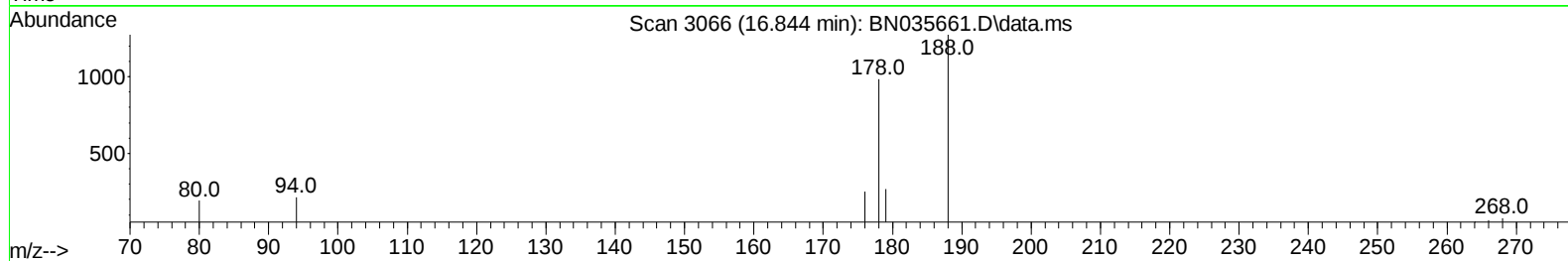
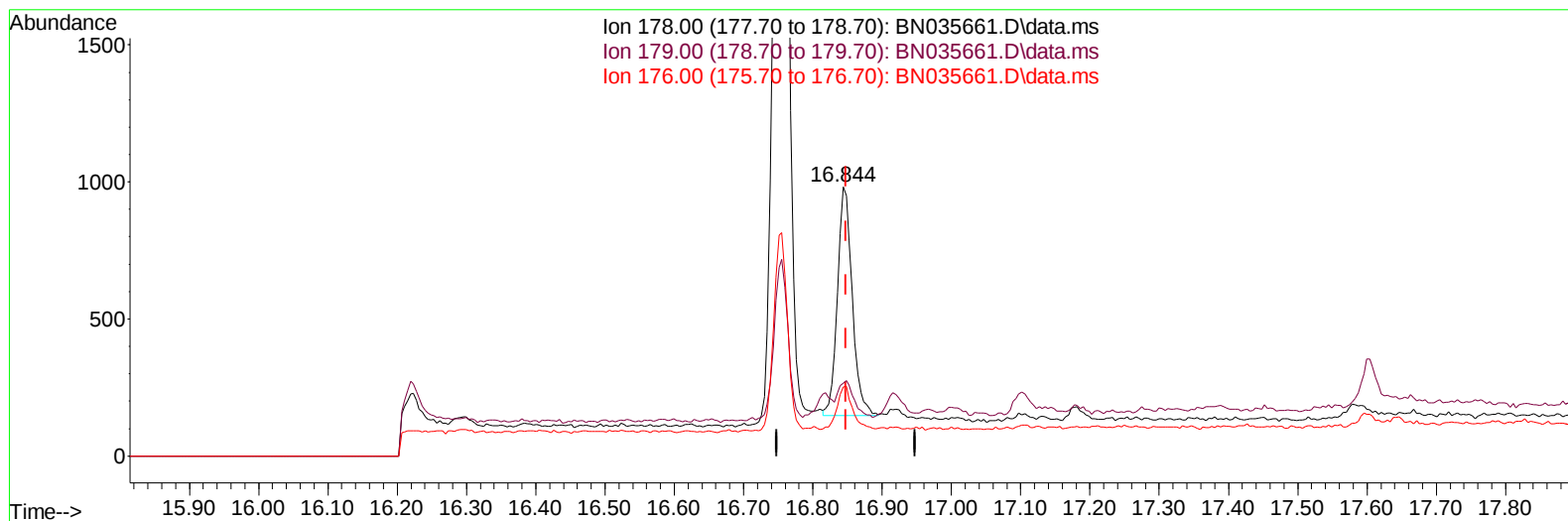
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(16) Anthracene

16.844min (-0.004) 0.04 ng/u1 m

response 1235

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	27.16#
176.00	19.20	25.53#
0.00	0.00	0.00

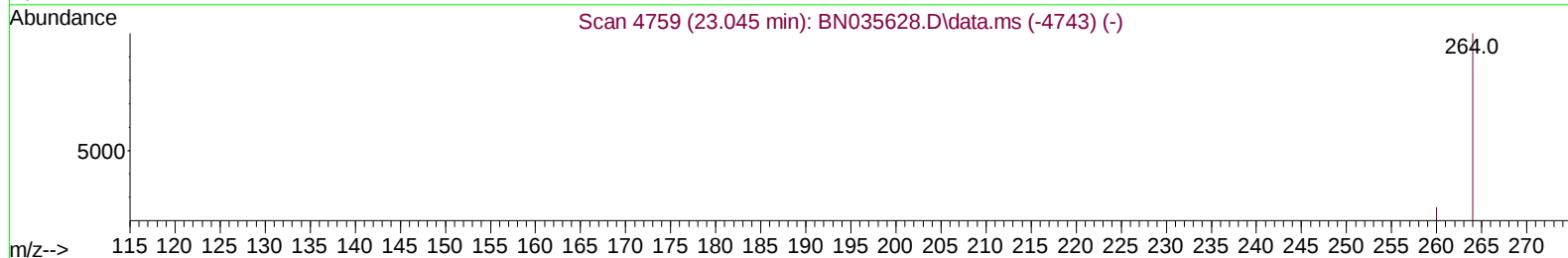
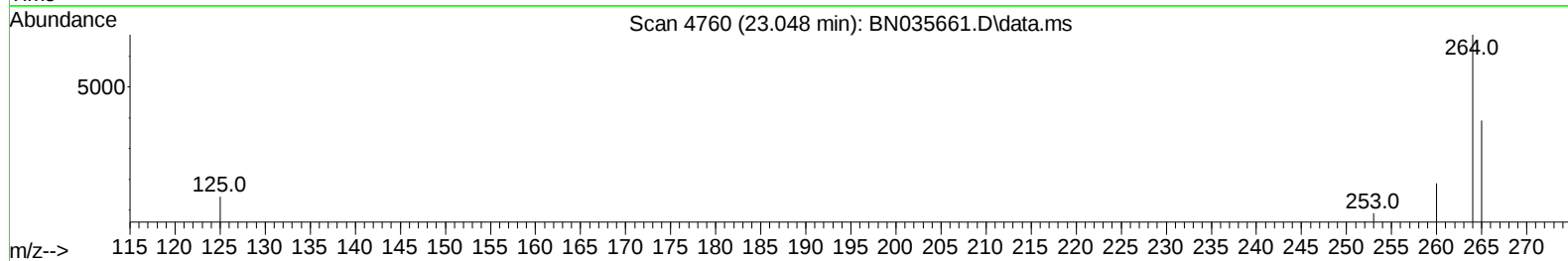
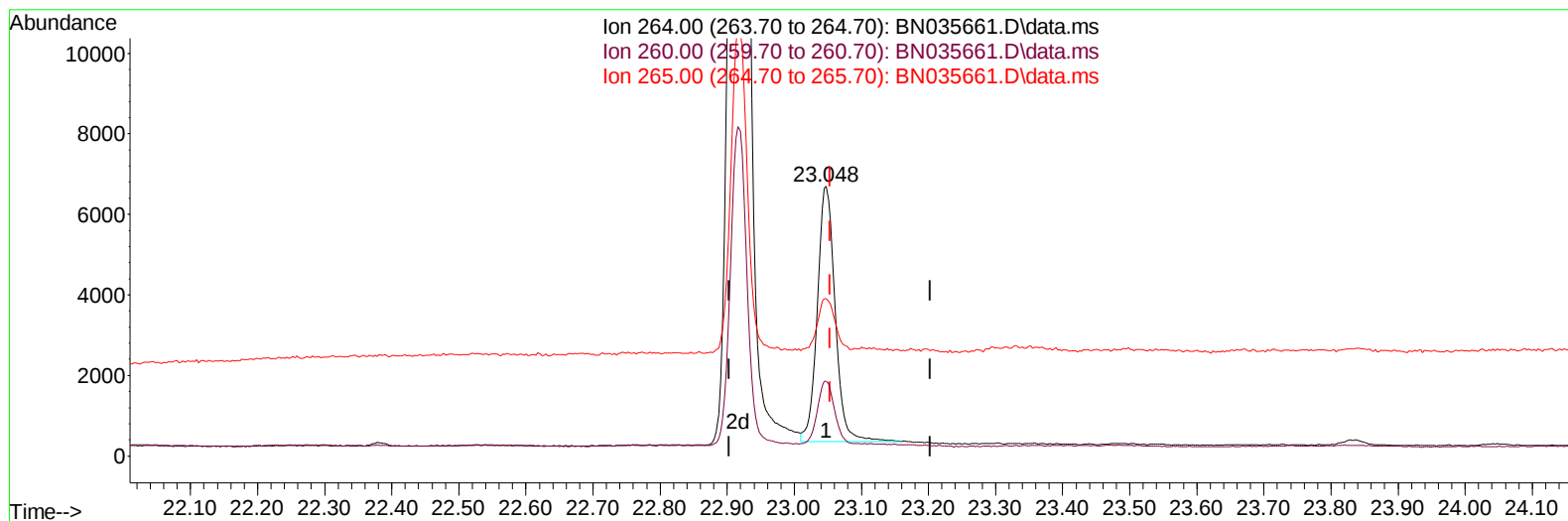
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 11721

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.78
265.00	62.10	58.41
0.00	0.00	0.00

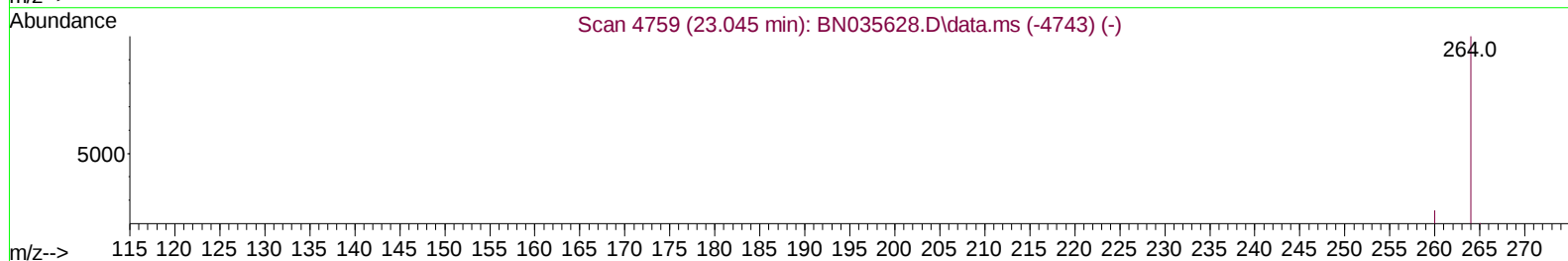
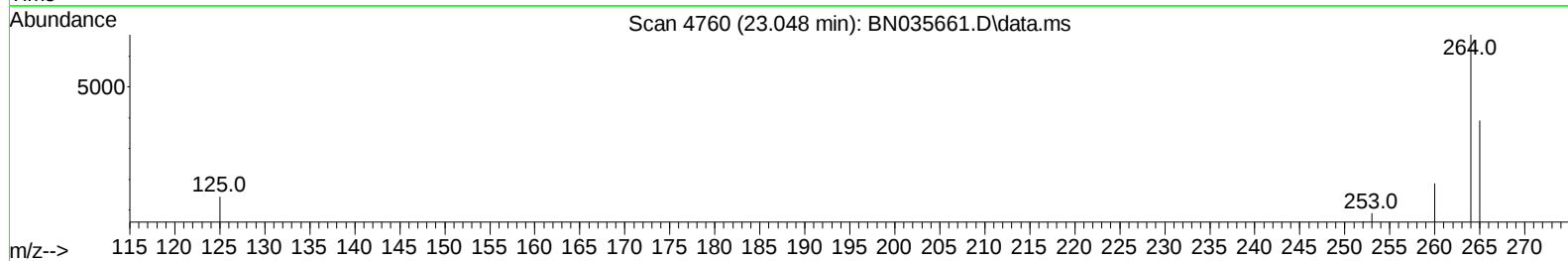
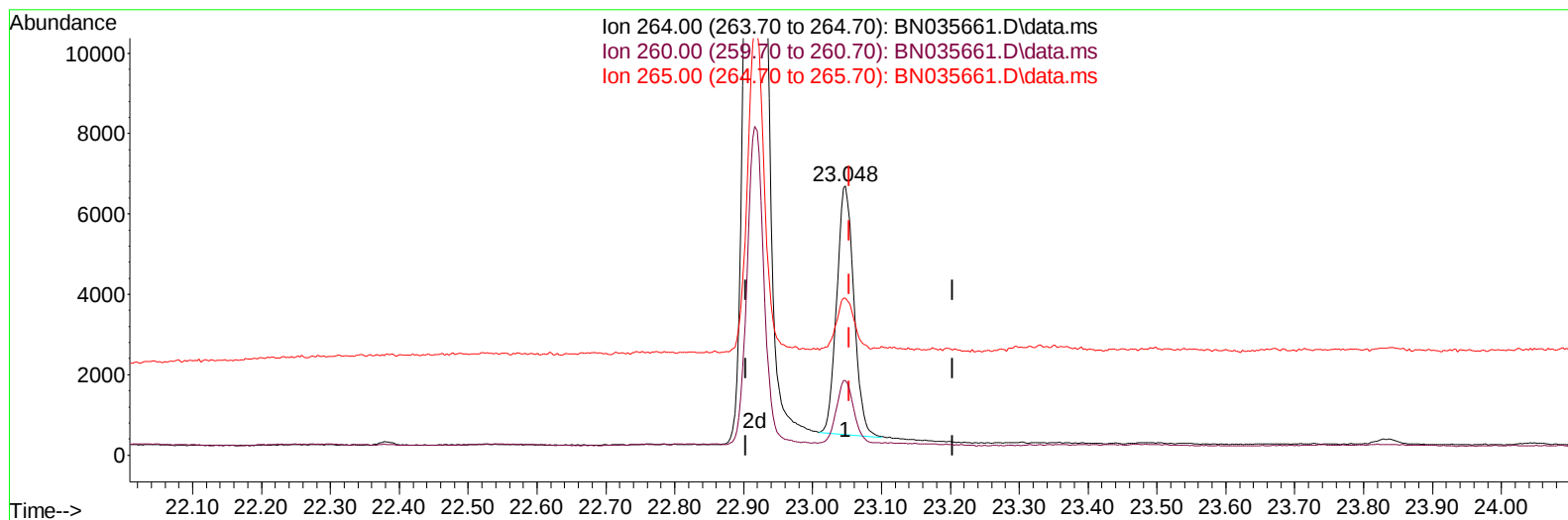
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 10759

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.78
265.00	62.10	58.41
0.00	0.00	0.00

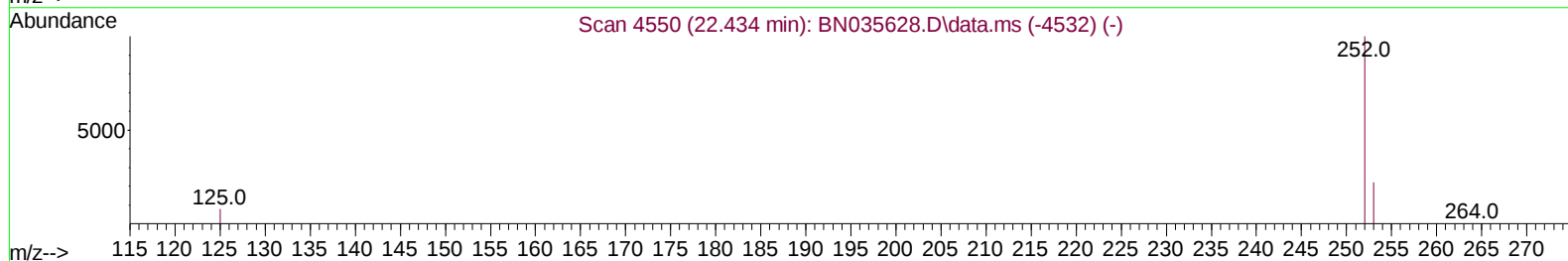
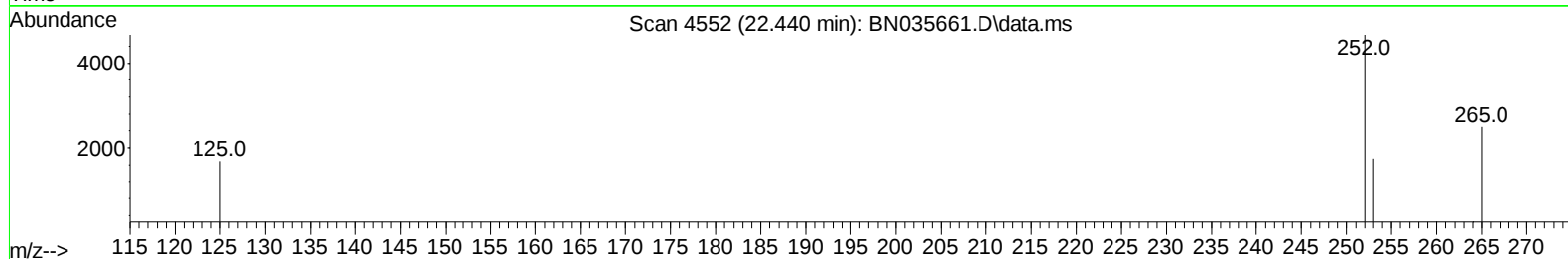
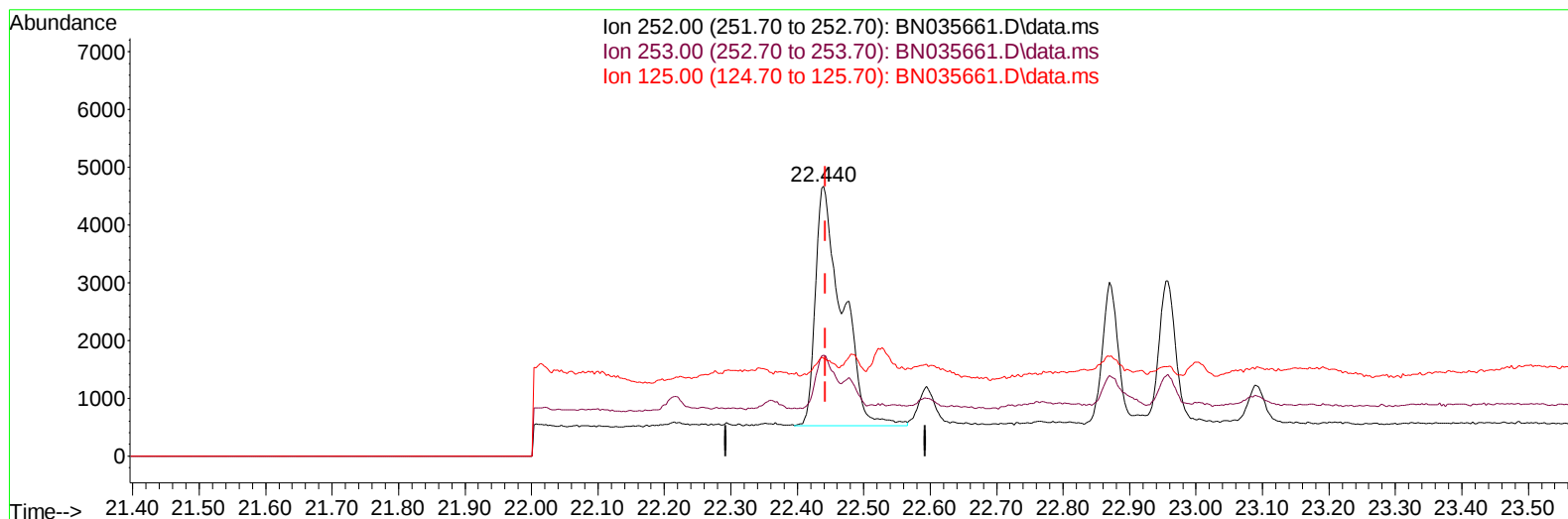
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Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
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Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.37 ng/u1

response 11627

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	37.30
125.00	18.80	36.20
0.00	0.00	0.00

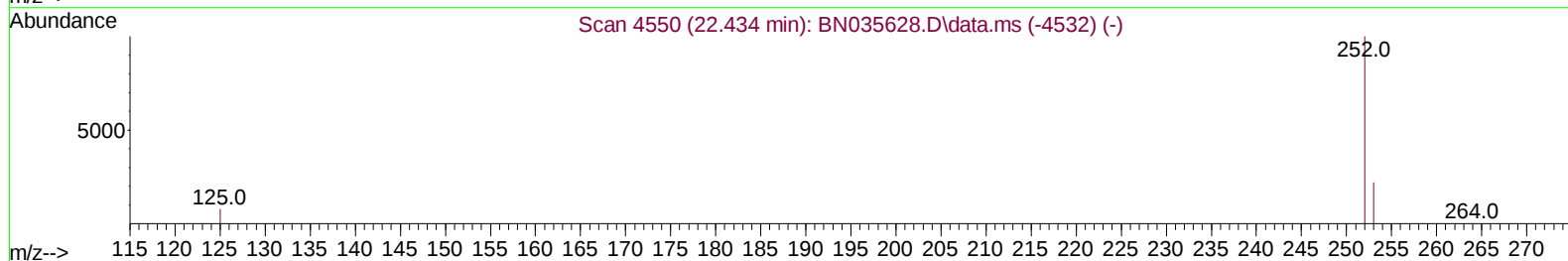
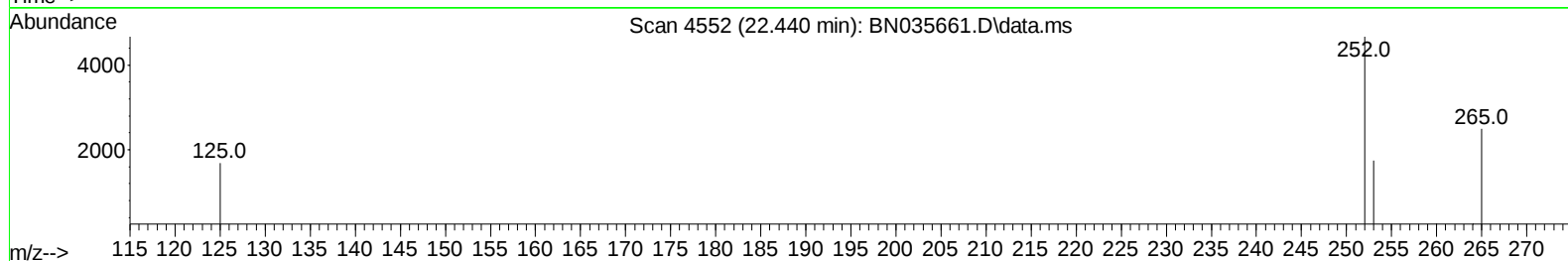
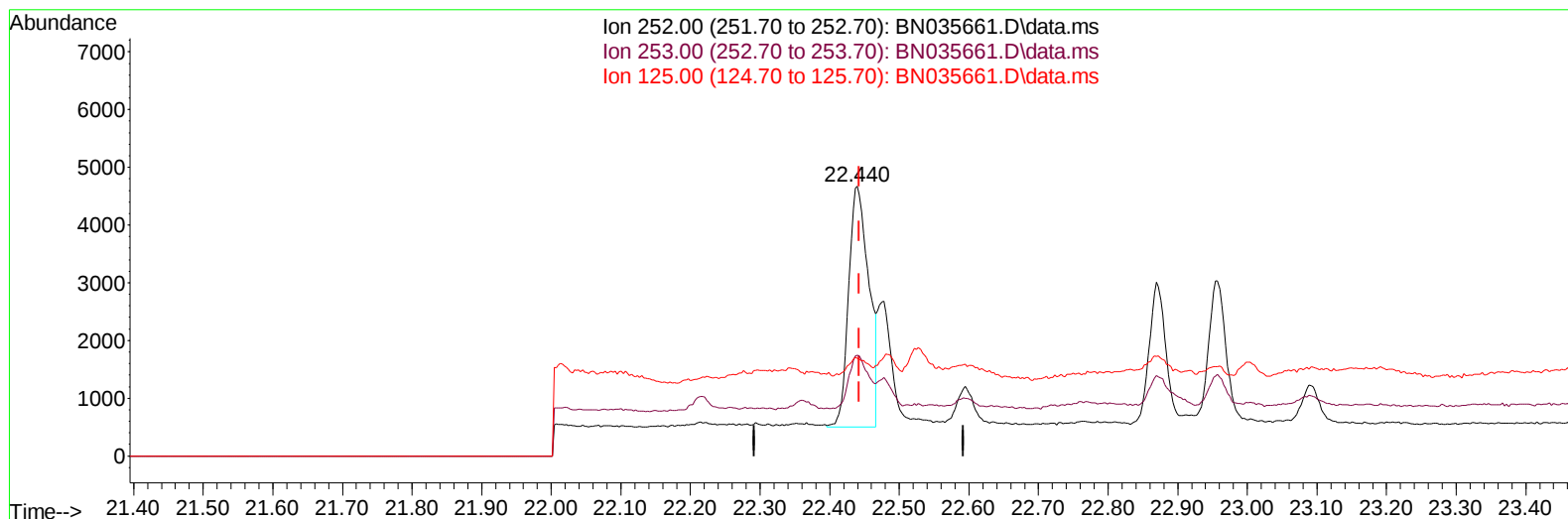
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.27 ng/u1 m

response 8438

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	37.30
125.00	18.80	36.20
0.00	0.00	0.00

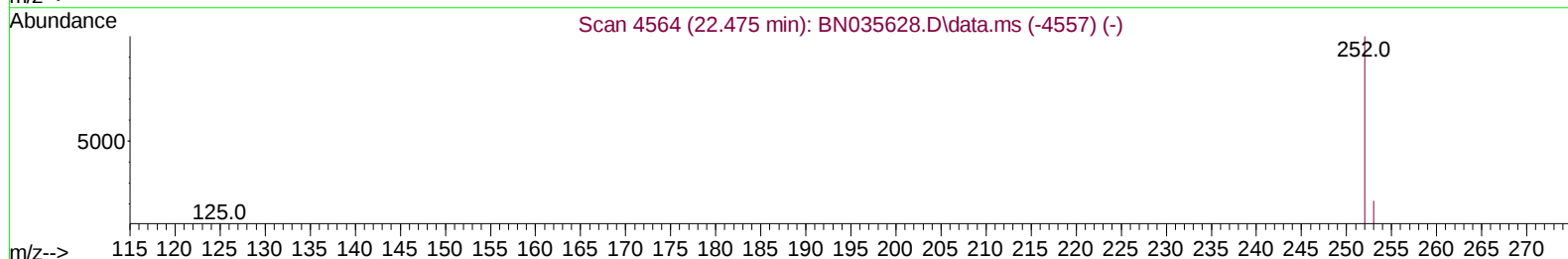
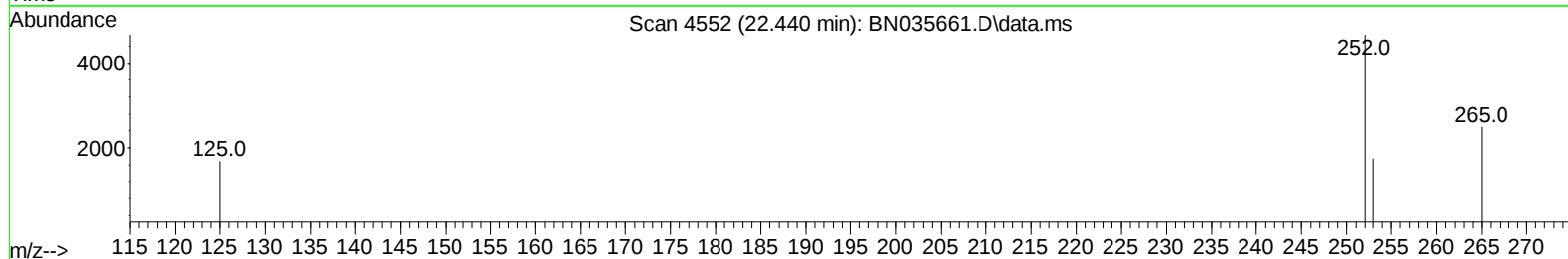
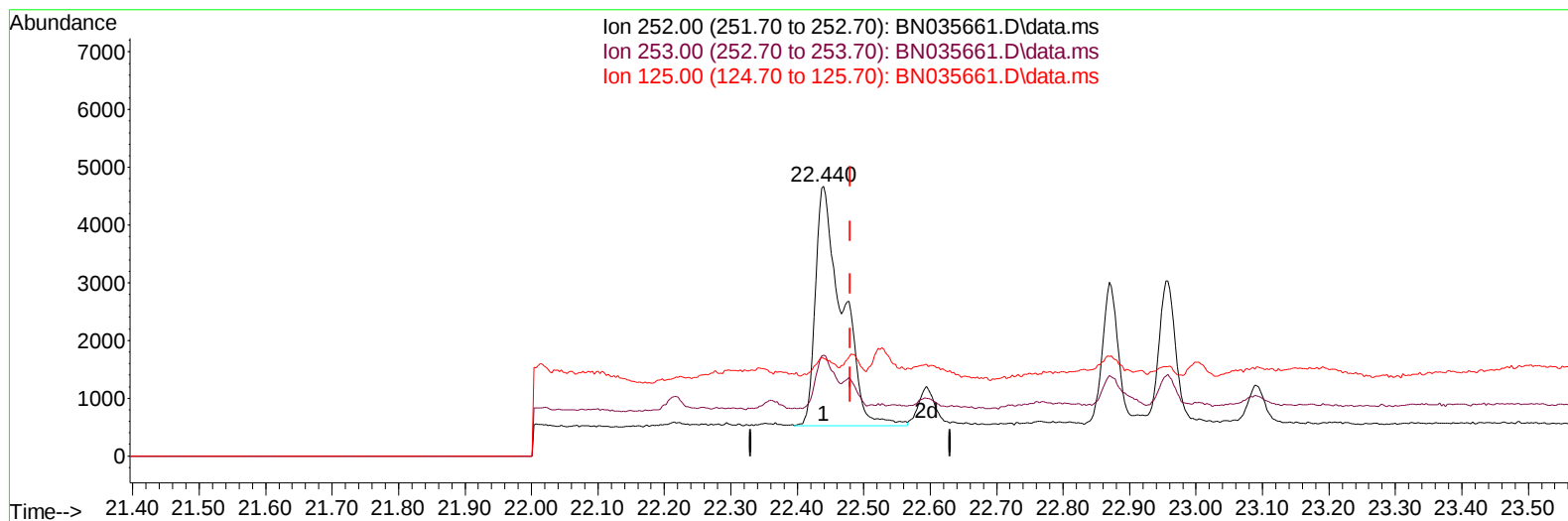
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 0.33 ng/u1

response 11627

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	37.30#
125.00	19.10	36.20#
0.00	0.00	0.00

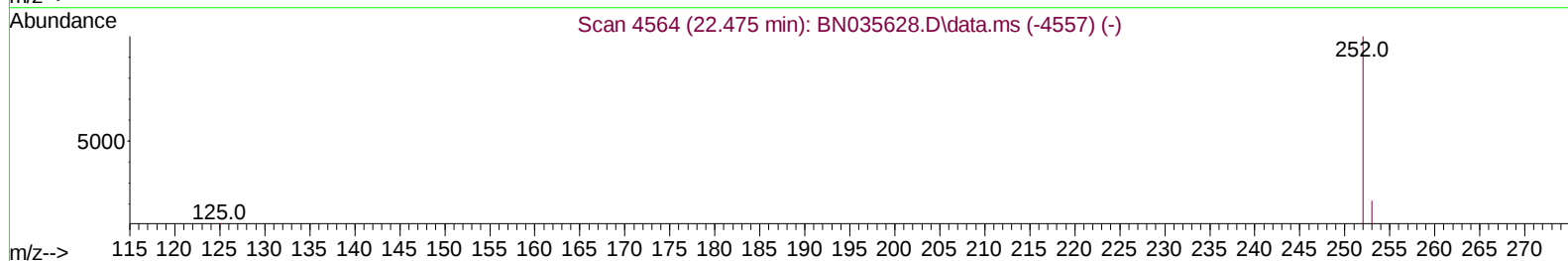
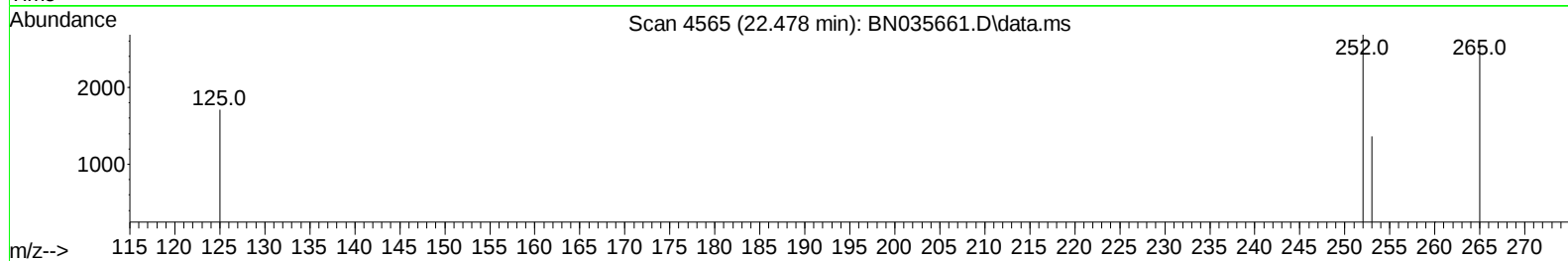
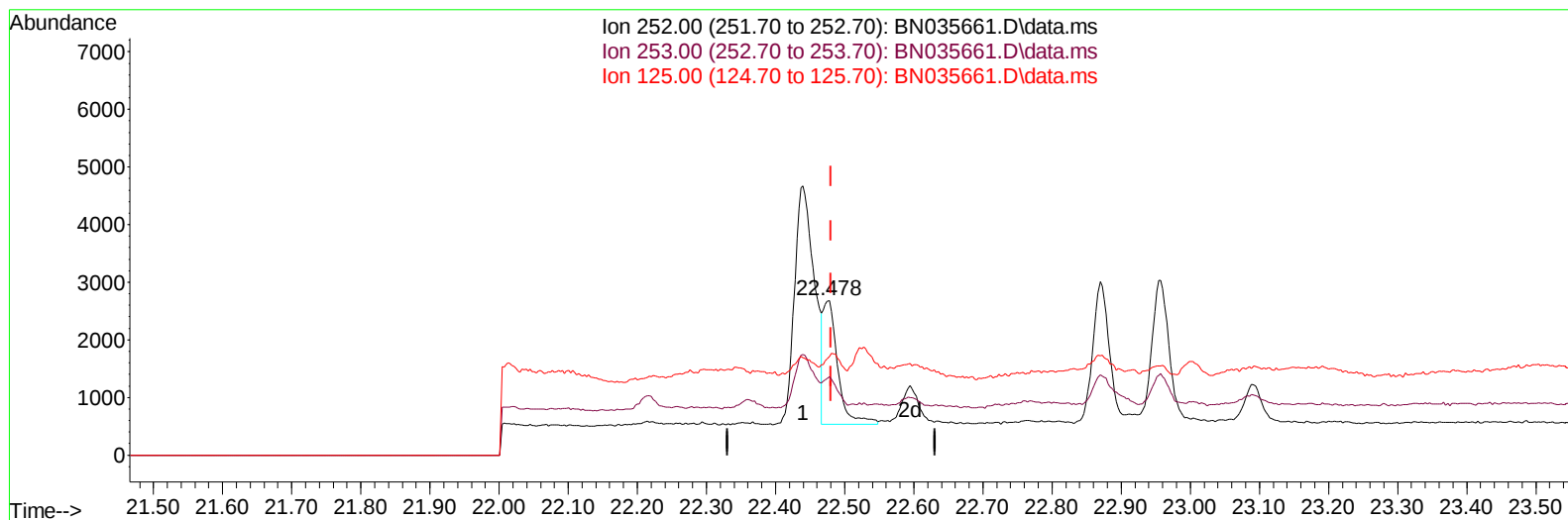
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035661.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.003) 0.09 ng/u1 m

response 3180

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	50.67#
125.00	19.10	63.64#
0.00	0.00	0.00

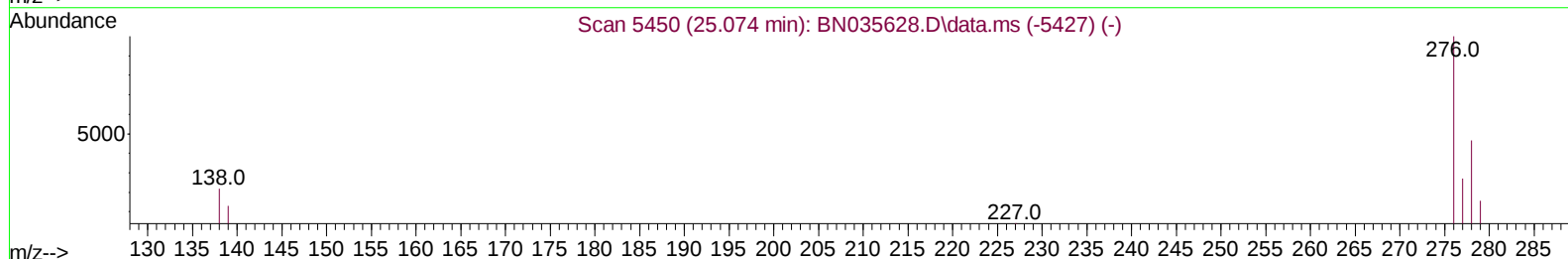
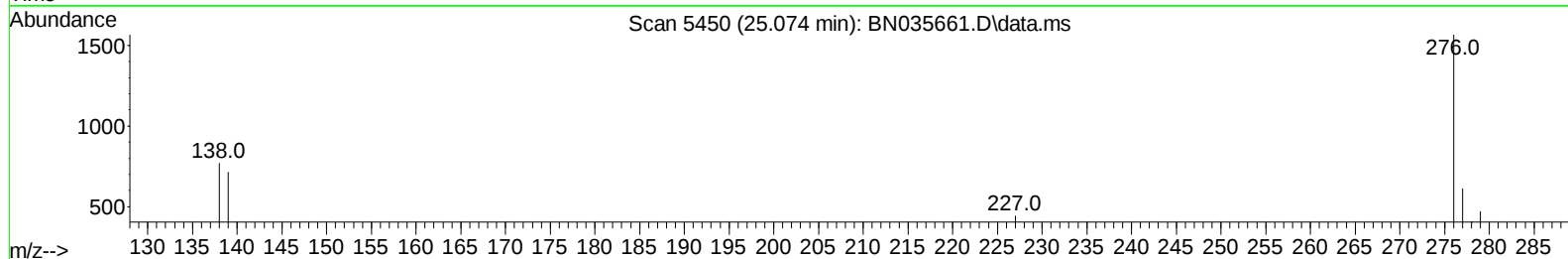
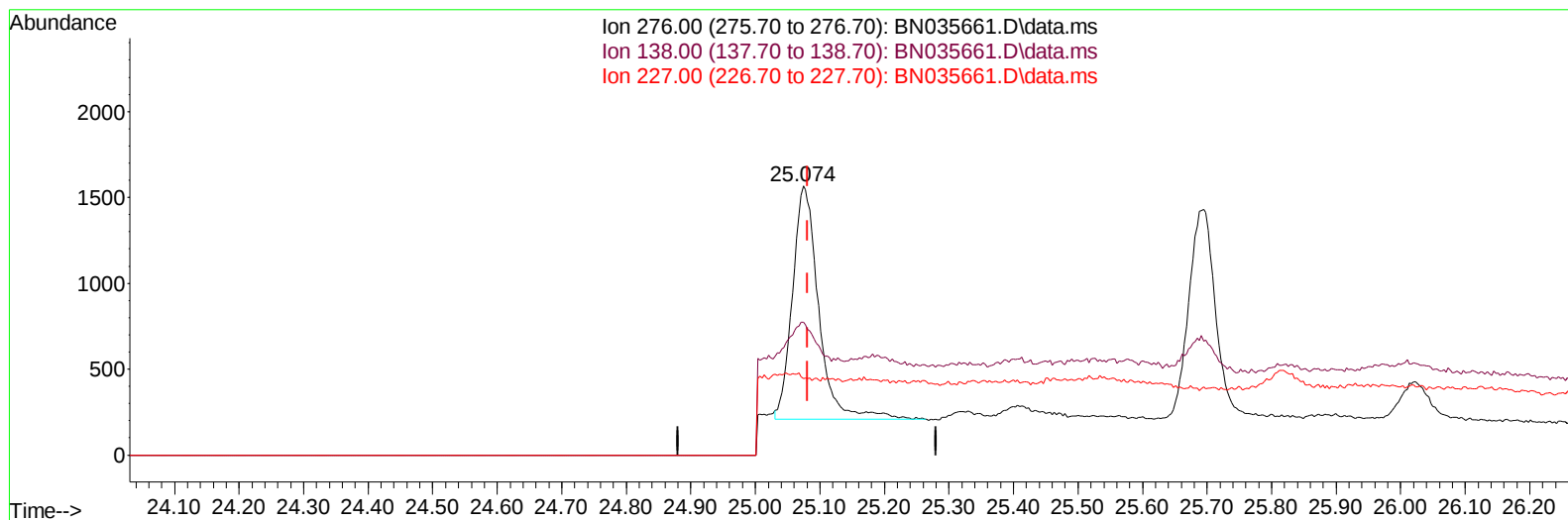
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035661.D\data.ms

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

25.074min (-0.007) 0.10 ng/u1

response 3839

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	240.56#
227.00	27.00	0.00#
0.00	0.00	0.00

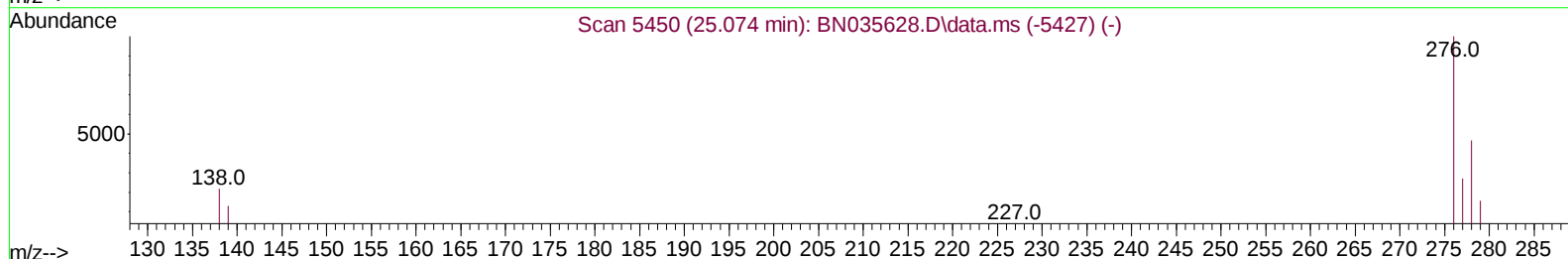
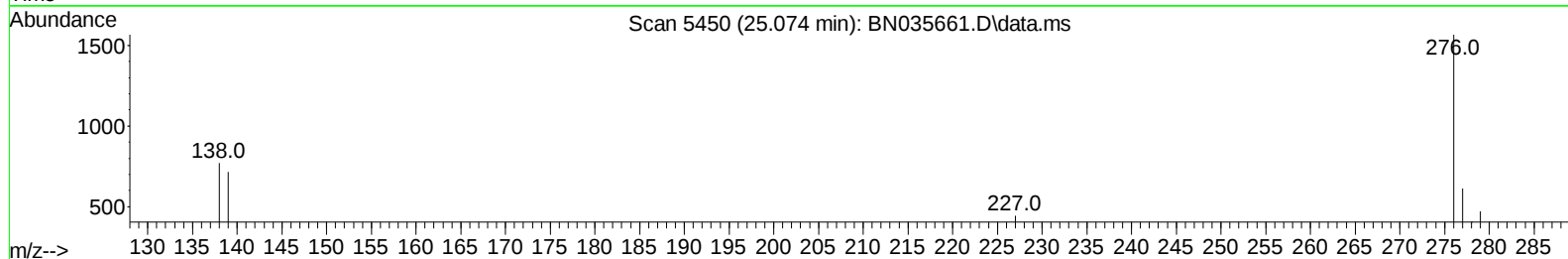
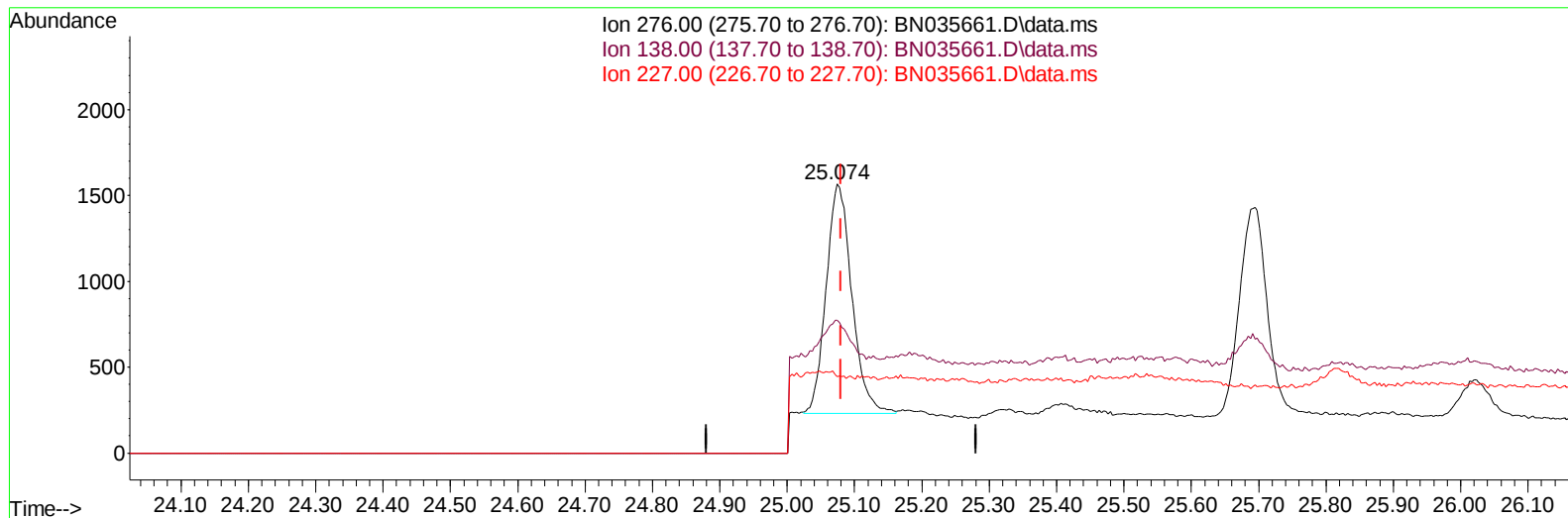
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
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Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

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

25.074min (-0.007) 0.09 ng/ul m

response 3537

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	261.10#
227.00	27.00	0.00#
0.00	0.00	0.00

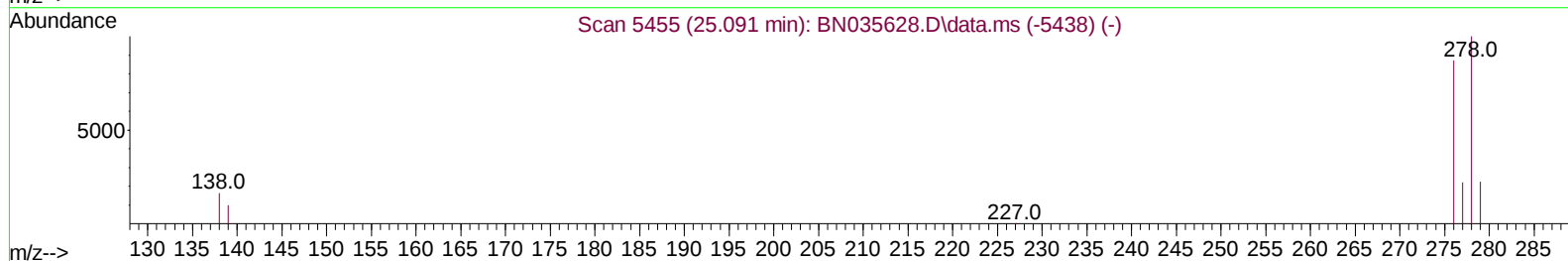
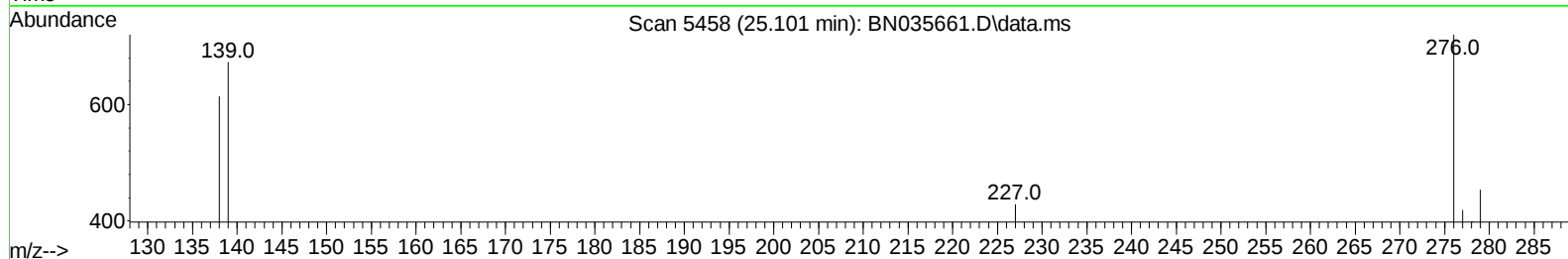
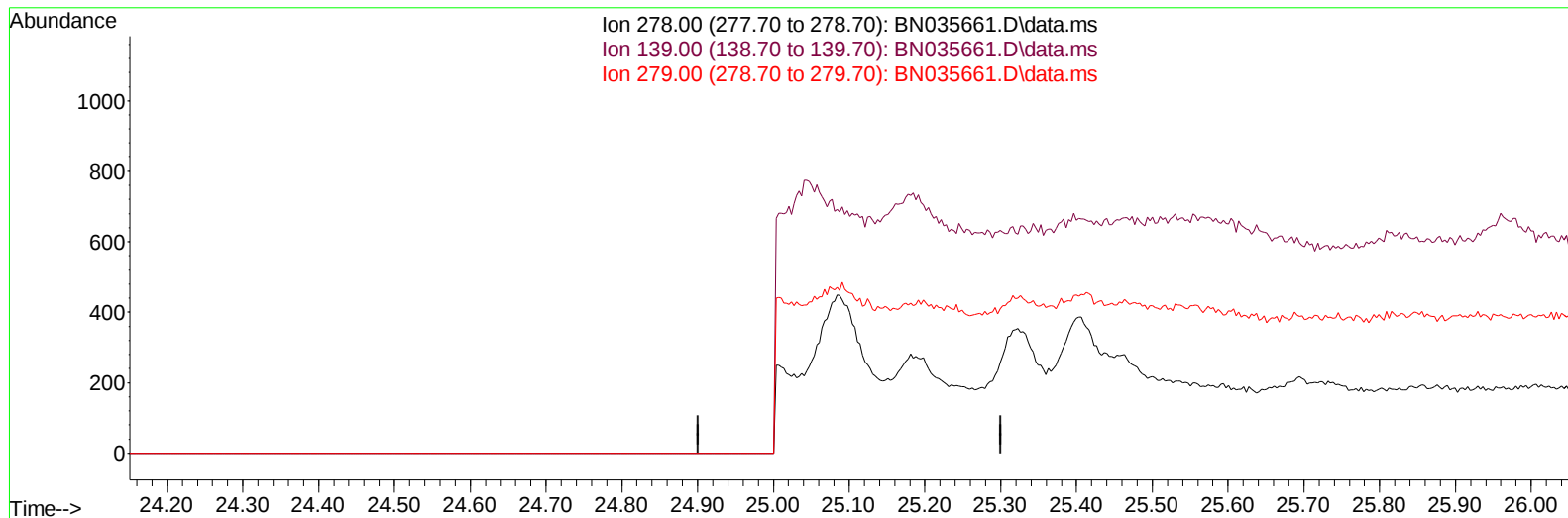
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(28) Dibenzo(a,h)anthracene

25.101min (-25.101) 0.00 ng/u1

response 0

Ion	Exp%	Act%
278.00	100.00	0.00
139.00	24.80	0.00#
279.00	30.00	0.00#
0.00	0.00	0.00

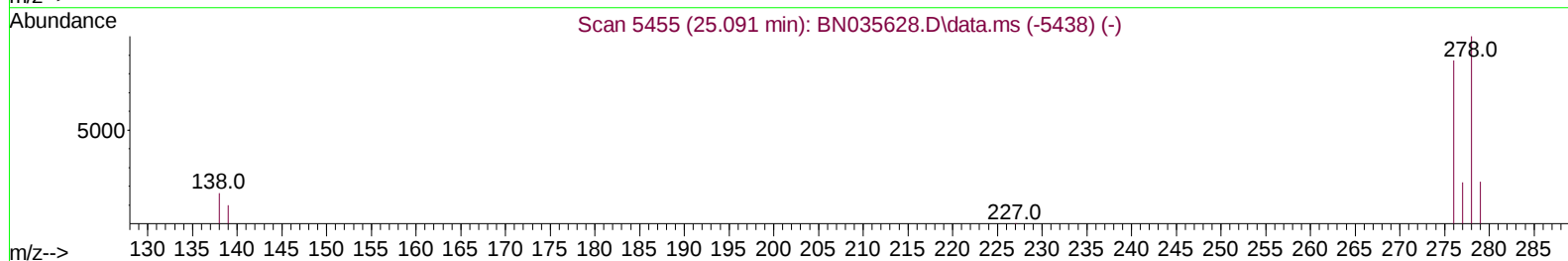
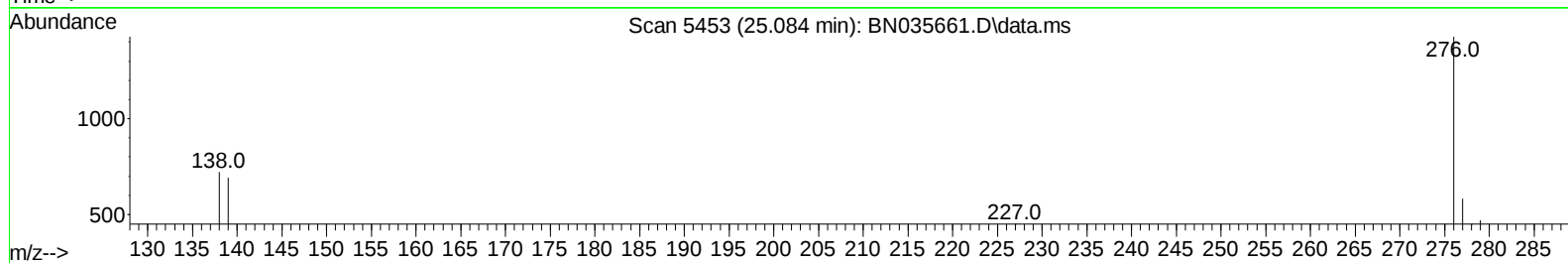
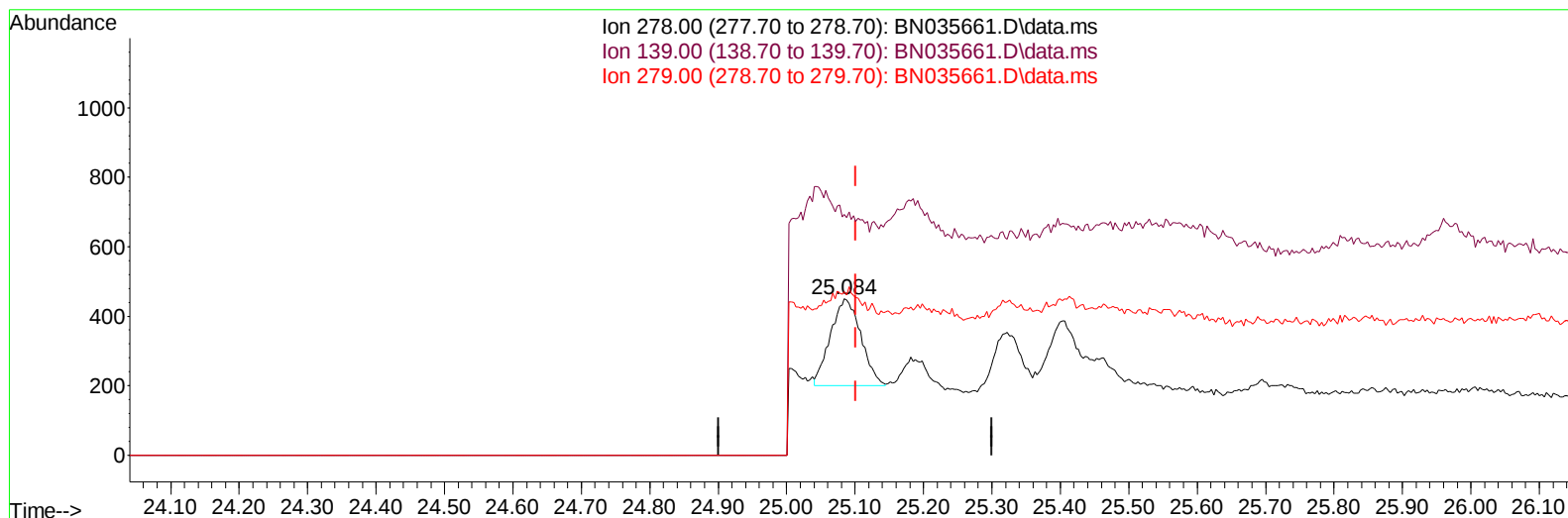
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035661.D
Acq On : 17 Dec 2024 18:59
Operator : RC/JU
Sample : P5232-12DL 5X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 01:26:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035661.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.03 ng/ul m

response 771

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	153.78#
279.00	30.00	104.67#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035661.D
 Acq On : 17 Dec 2024 18:59
 Operator : RC/JU
 Sample : P5232-12DL 5X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S6DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 01:26:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.280	152	2991	0.400	ng/ul	0.00
4) Naphthalene-d8	10.025	136	8587	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5840	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12042	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	9925	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	10759m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	1503	0.567	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	447	0.037	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	935	0.032	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	834m	0.040	ng/ul	
7) 2-Methylnaphthalene	11.708	142	718	0.051	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	533	0.036	ng/ul	99
10) Acenaphthylene	13.657	152	1067	0.047	ng/ul#	82
15) Phenanthrene	16.755	178	5402	0.179	ng/ul	97
16) Anthracene	16.844	178	1235m	0.044	ng/ul	
19) Fluoranthene	18.795	202	17265	0.486	ng/ul	99
20) Pyrene	19.163	202	13235	0.338	ng/ul	99
21) Benzo(a)anthracene	20.944	228	4138	0.126	ng/ul#	81
22) Chrysene	20.996	228	7087	0.207	ng/ul#	92
24) Benzo(b)fluoranthene	22.440	252	8438m	0.266	ng/ul	
25) Benzo(k)fluoranthene	22.478	252	3180m	0.091	ng/ul	
26) Benzo(a)pyrene	22.954	252	4332	0.141	ng/ul#	60
27) Indeno(1,2,3-cd)pyrene	25.074	276	3537m	0.095	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	771m	0.027	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	3557	0.119	ng/ul#	67

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

