

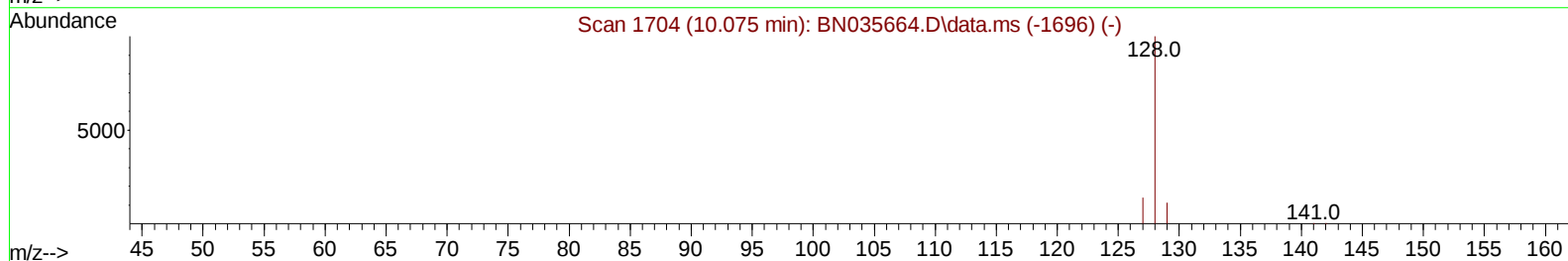
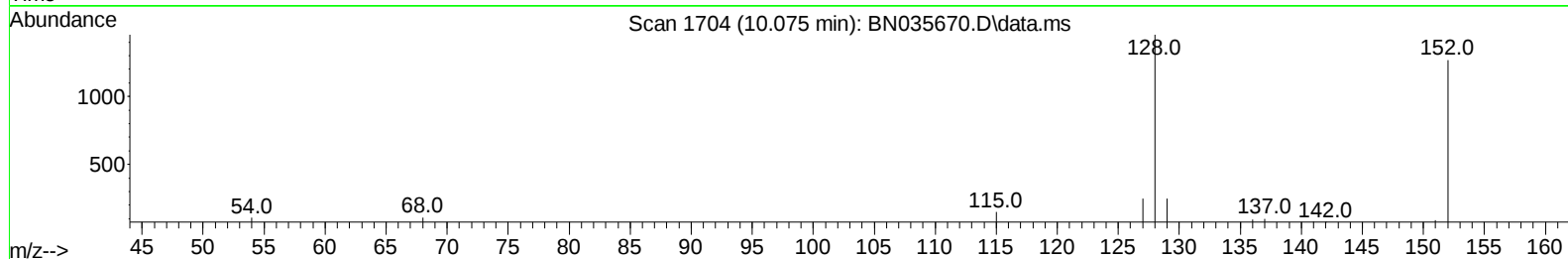
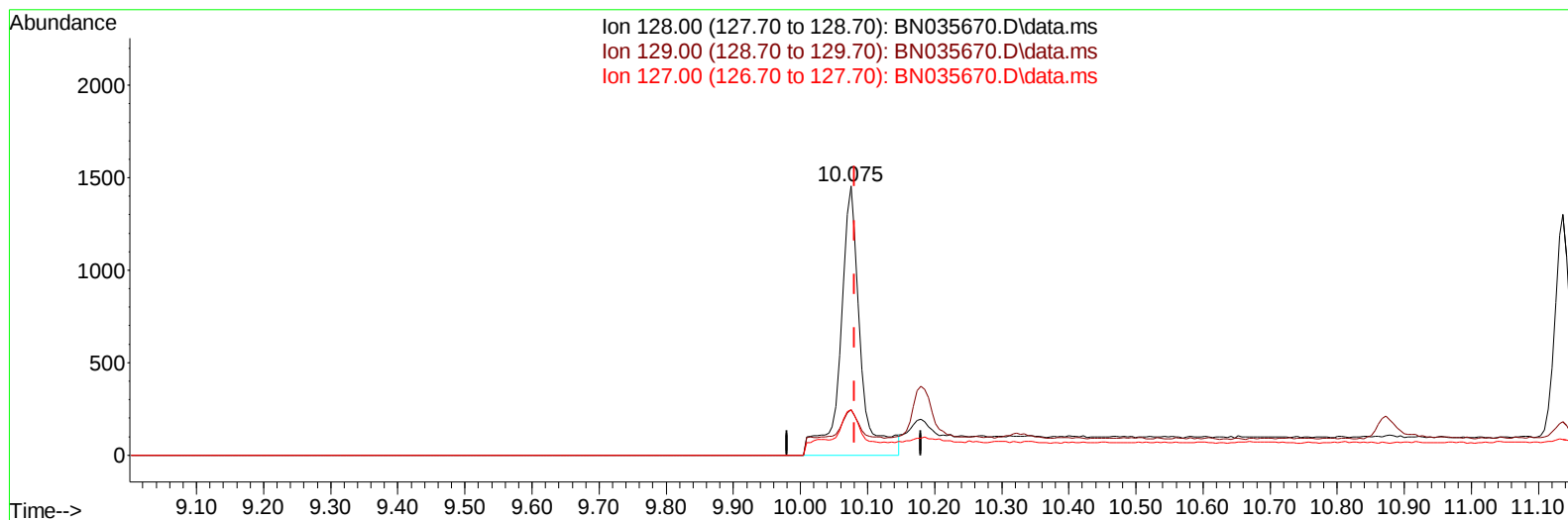
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.14 ng/u1

response 2958

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	16.99#
127.00	15.00	16.99
0.00	0.00	0.00

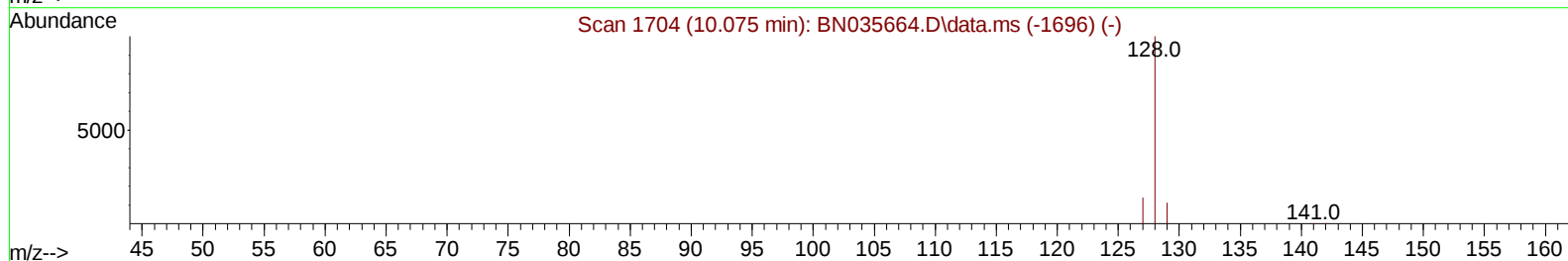
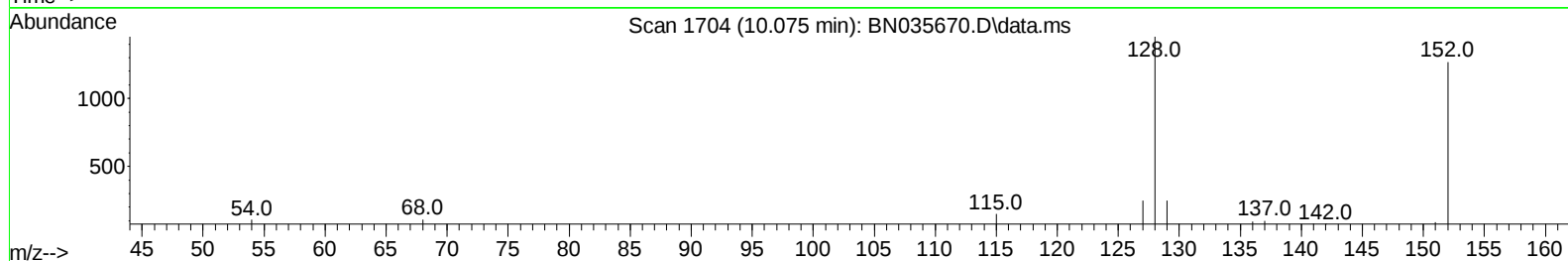
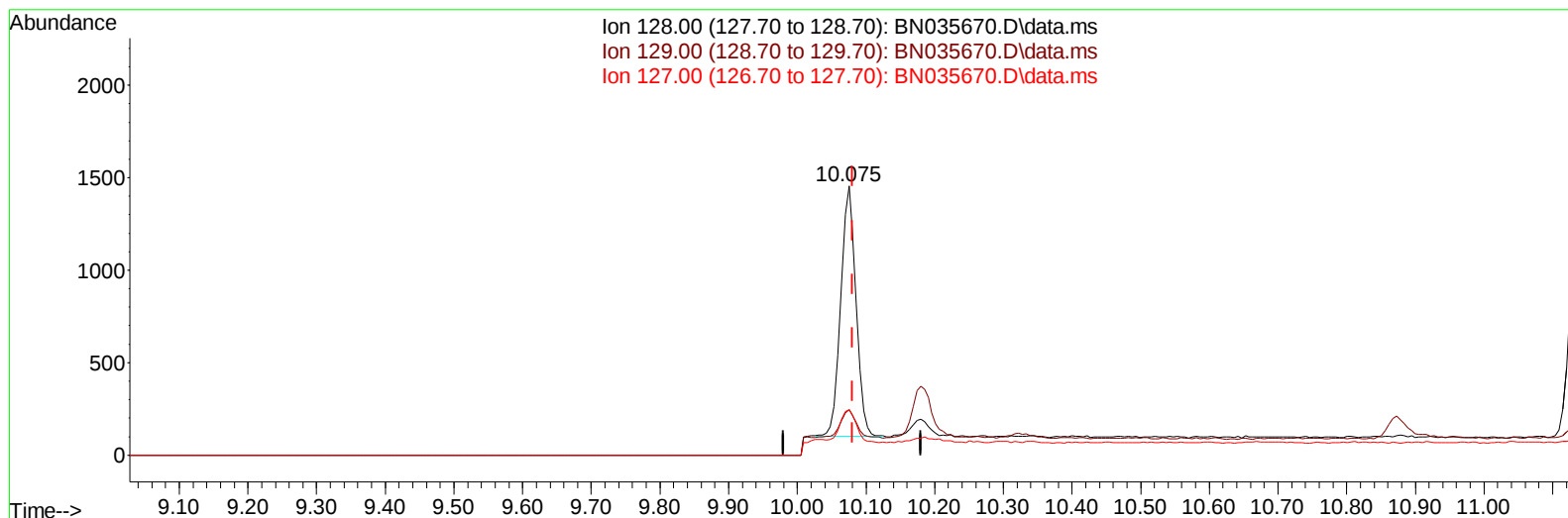
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 18 15:35:44 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: BN035670.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.10 ng/ul m

response 2131

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	16.99#
127.00	15.00	16.99
0.00	0.00	0.00

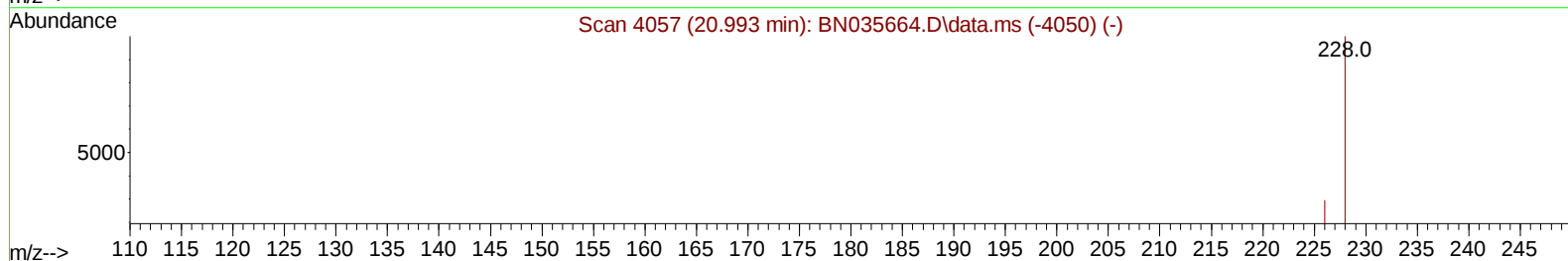
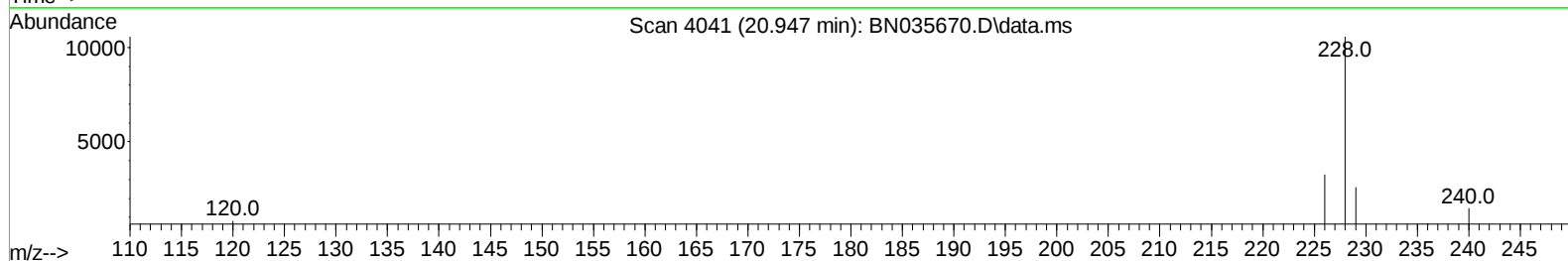
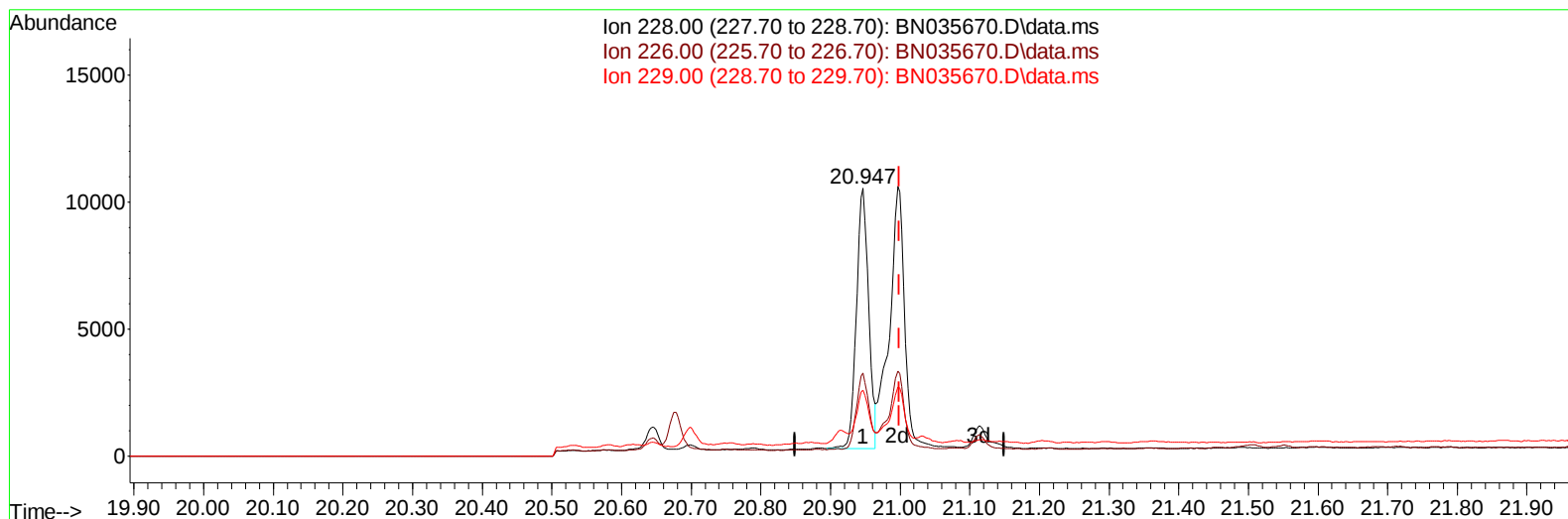
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(22) Chrysene

20.947min (-0.052) 0.38 ng/u1

response 12498

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	30.90
229.00	20.70	24.48
0.00	0.00	0.00

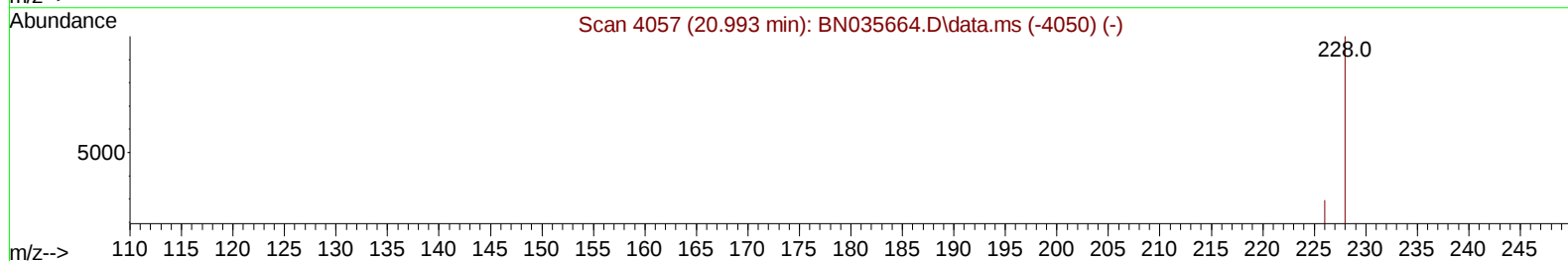
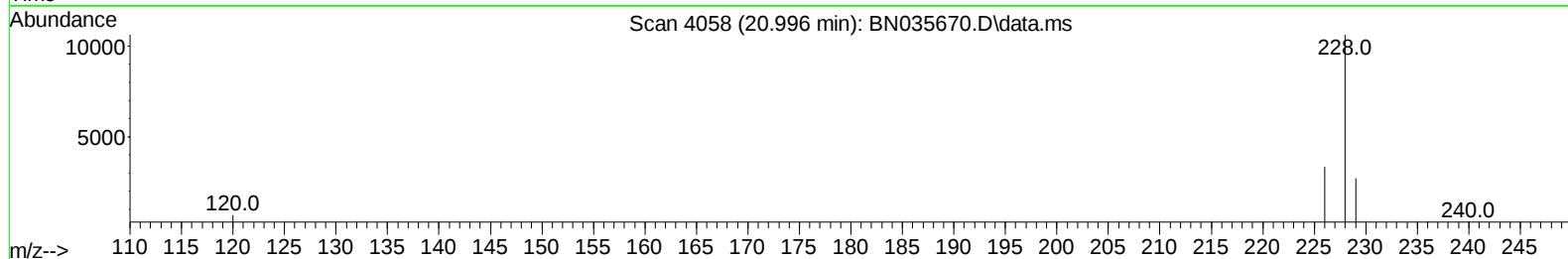
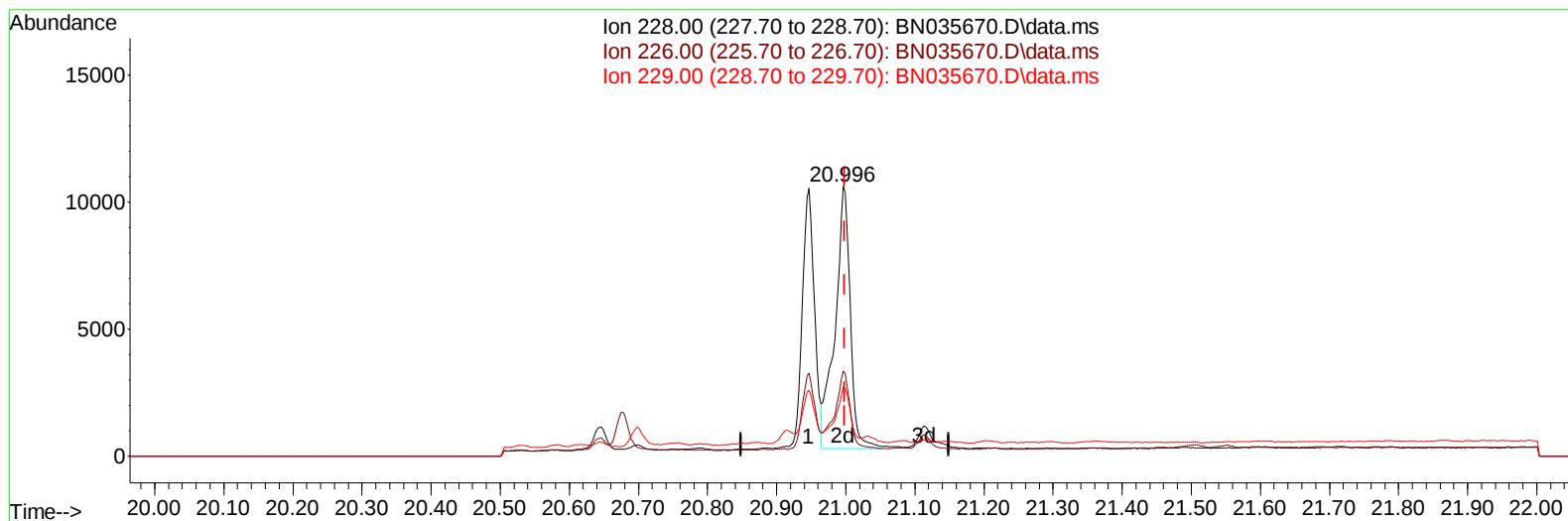
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(22) Chrysene

20.996min (-0.003) 0.48 ng/u1 m

response 15865

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	31.53
229.00	20.70	25.67#
0.00	0.00	0.00

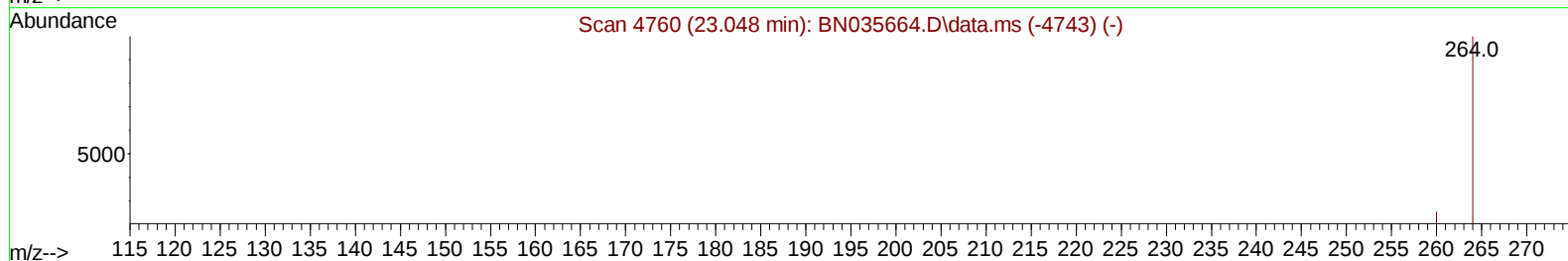
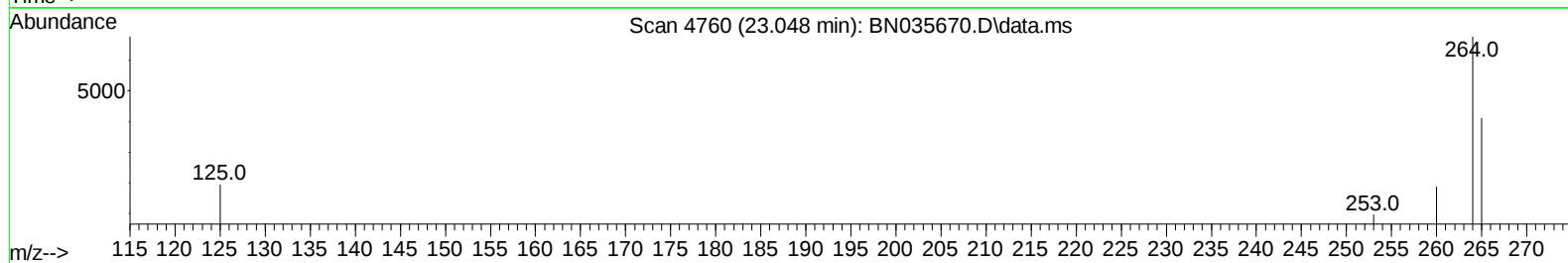
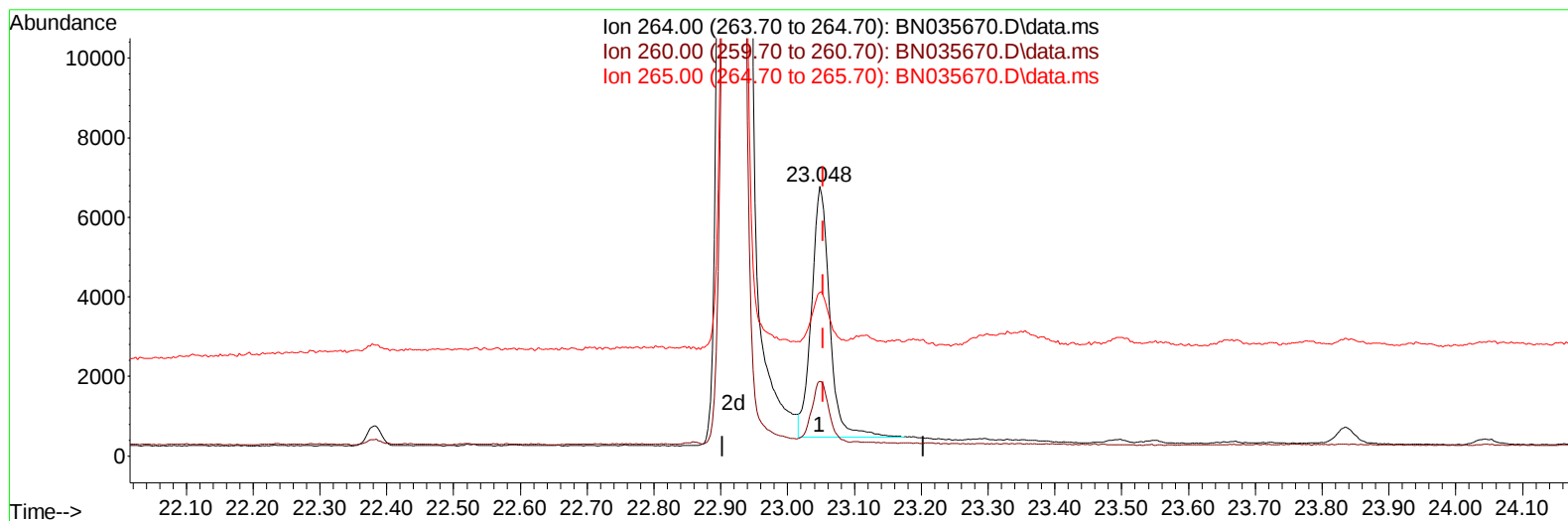
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 18 15:35:44 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: BN035670.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 11948

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.76
265.00	62.10	60.68
0.00	0.00	0.00

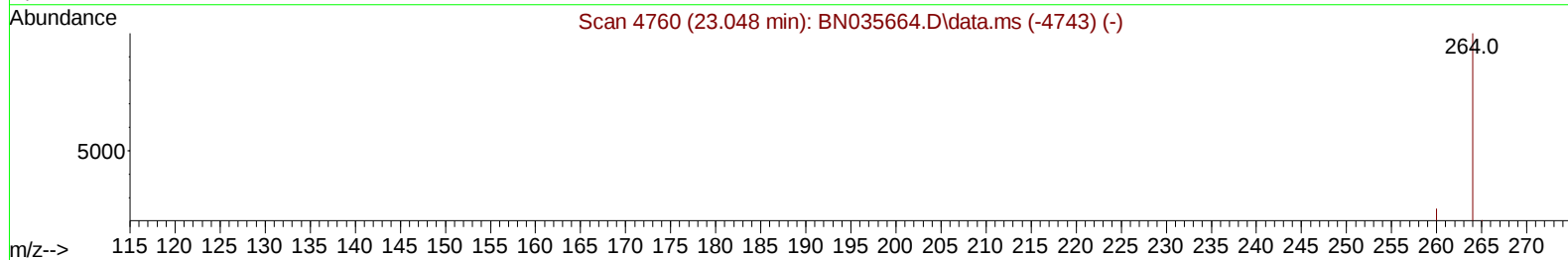
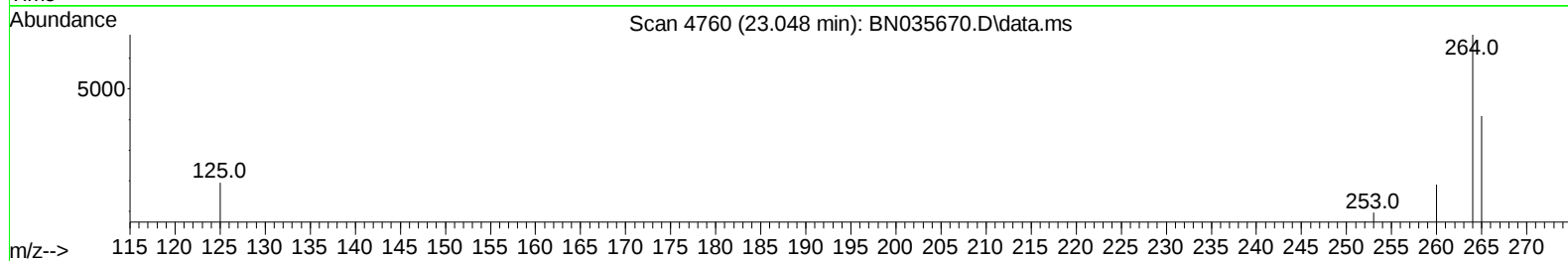
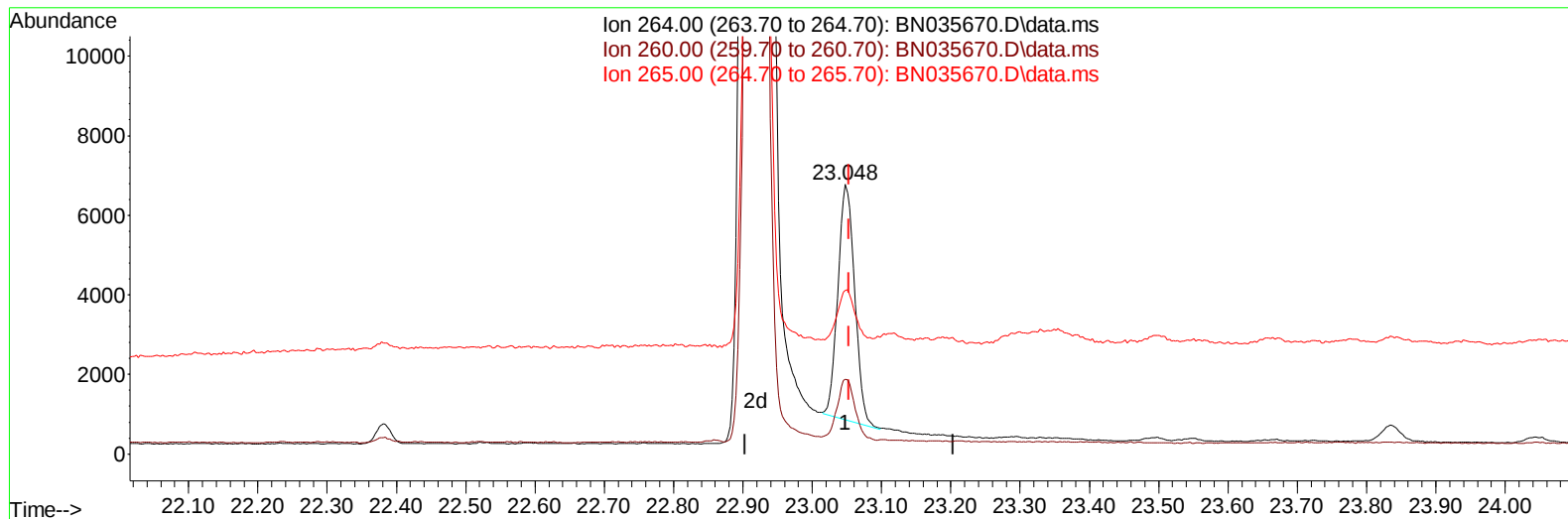
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 9919

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.76
265.00	62.10	60.68
0.00	0.00	0.00

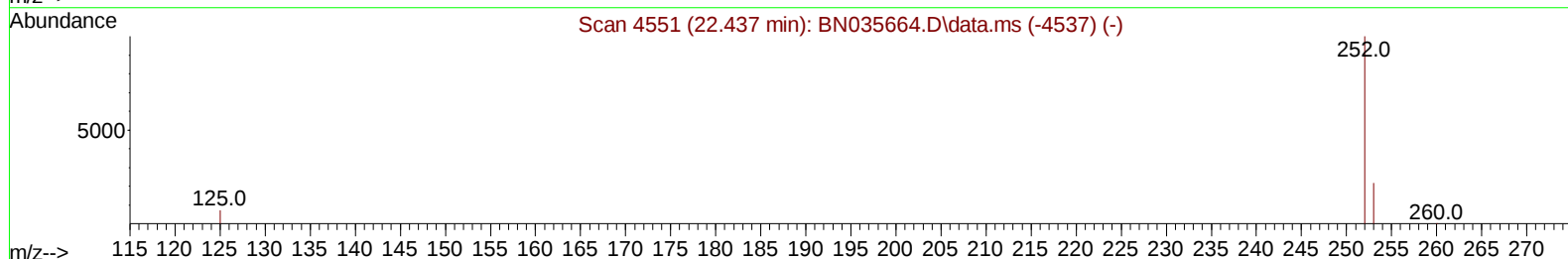
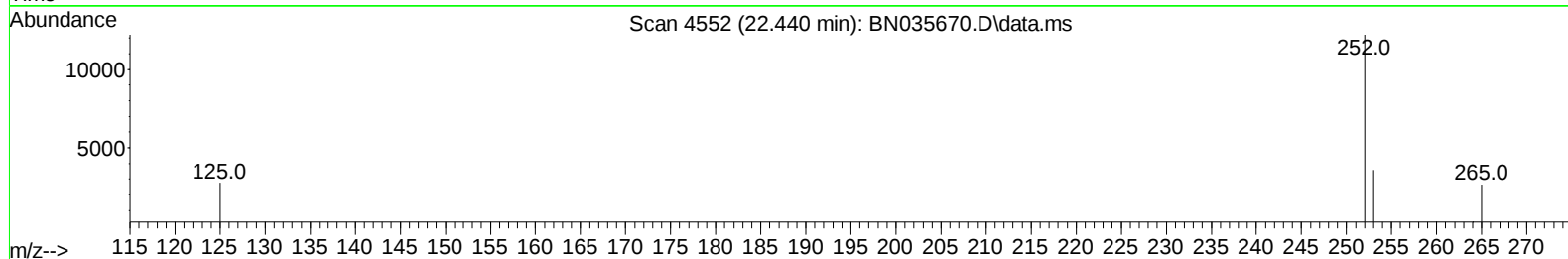
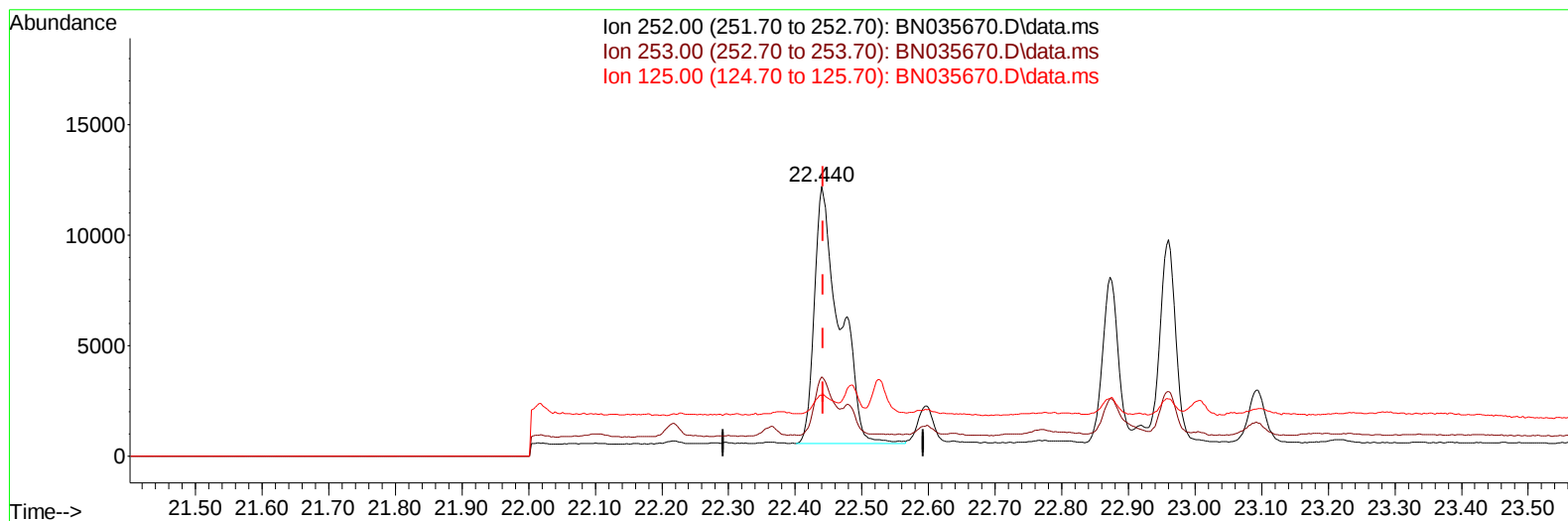
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.06 ng/u1

response 30853

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.43
125.00	18.80	22.59
0.00	0.00	0.00

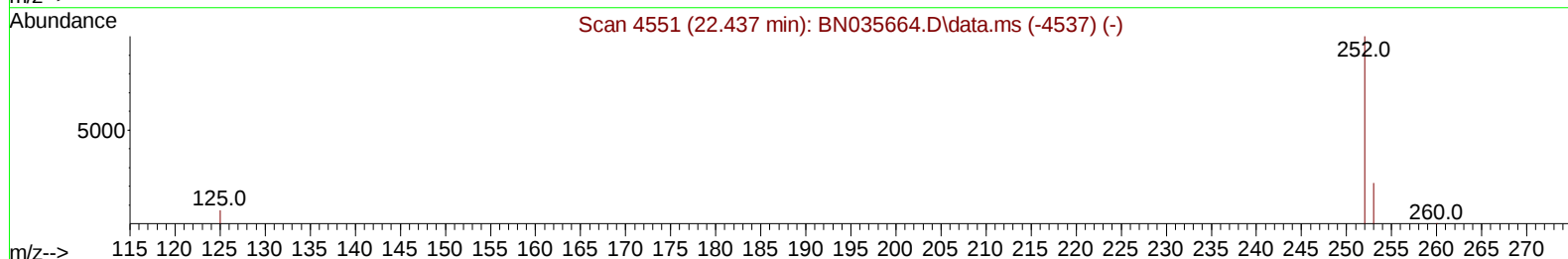
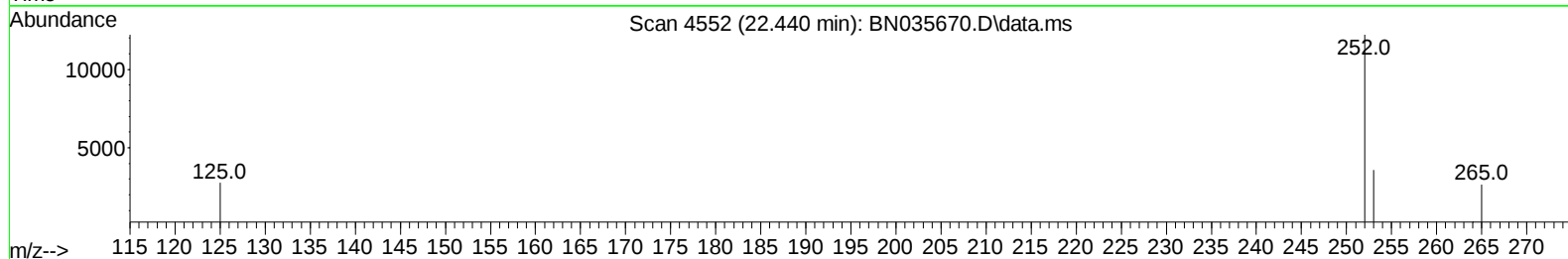
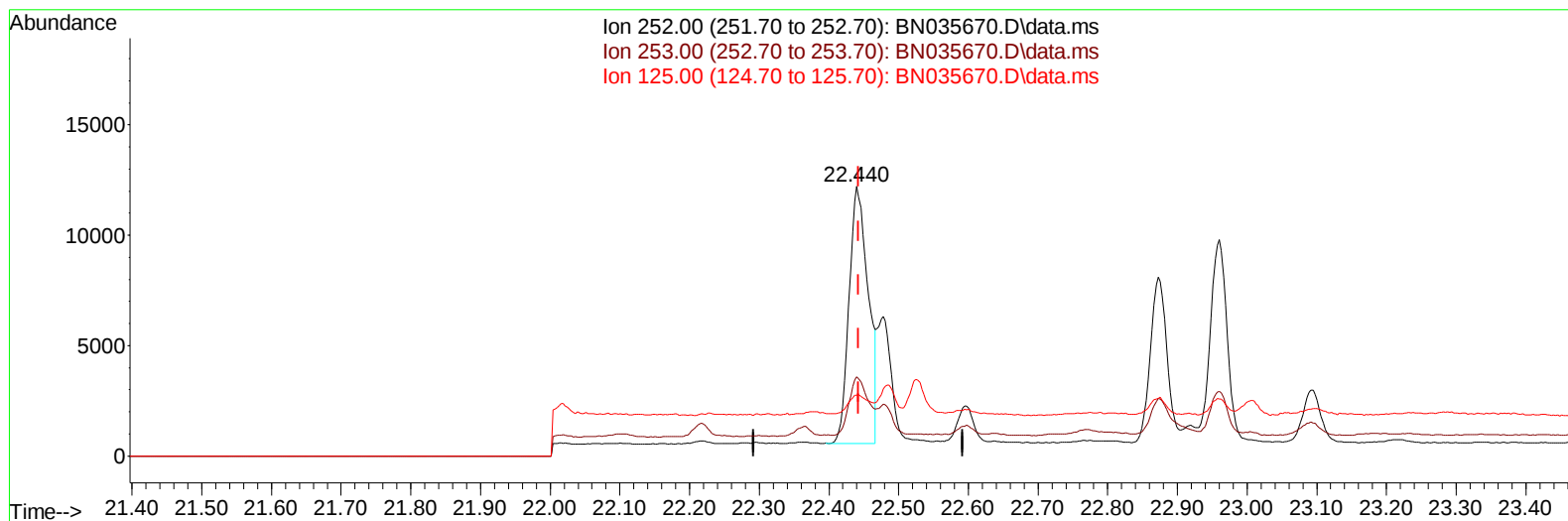
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.76 ng/u1 m

response 22261

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.43
125.00	18.80	22.59
0.00	0.00	0.00

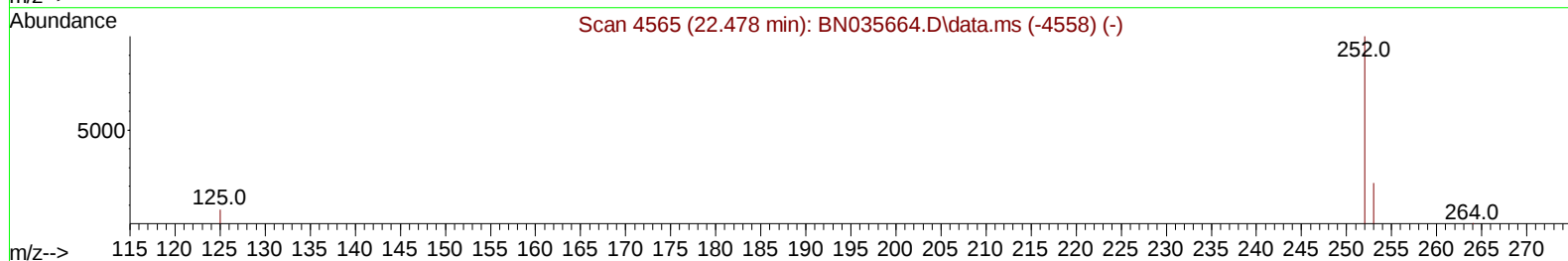
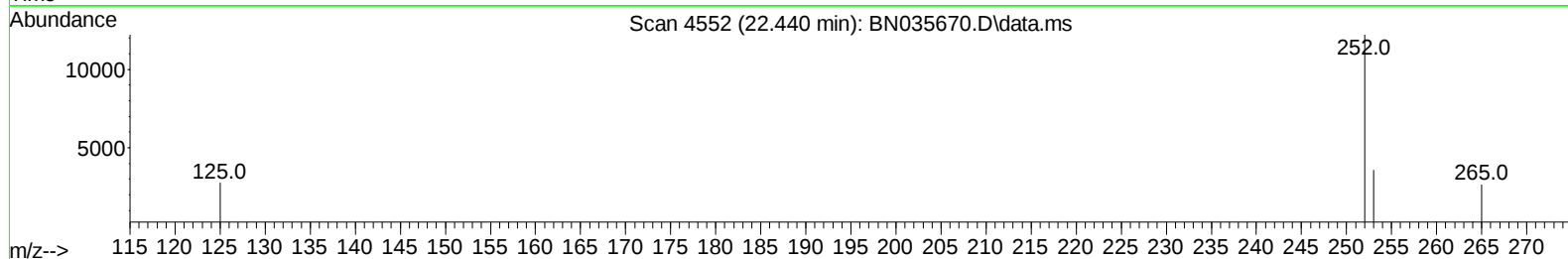
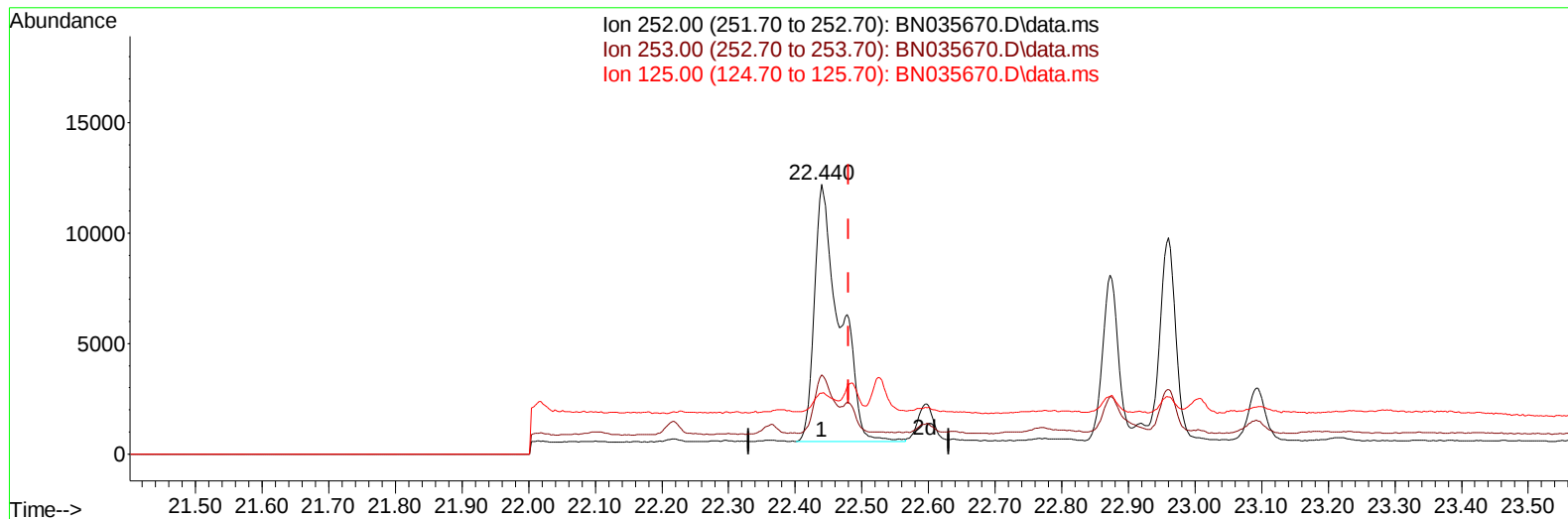
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 0.95 ng/u1

response 30853

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	29.43
125.00	19.10	22.59
0.00	0.00	0.00

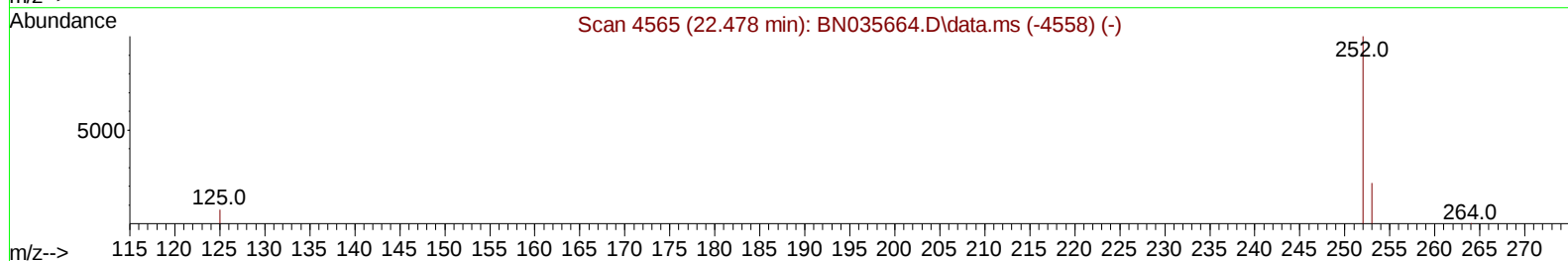
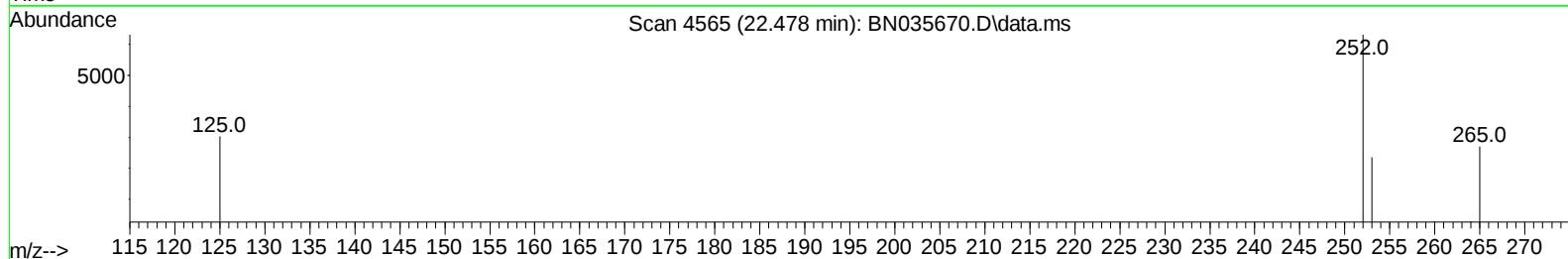
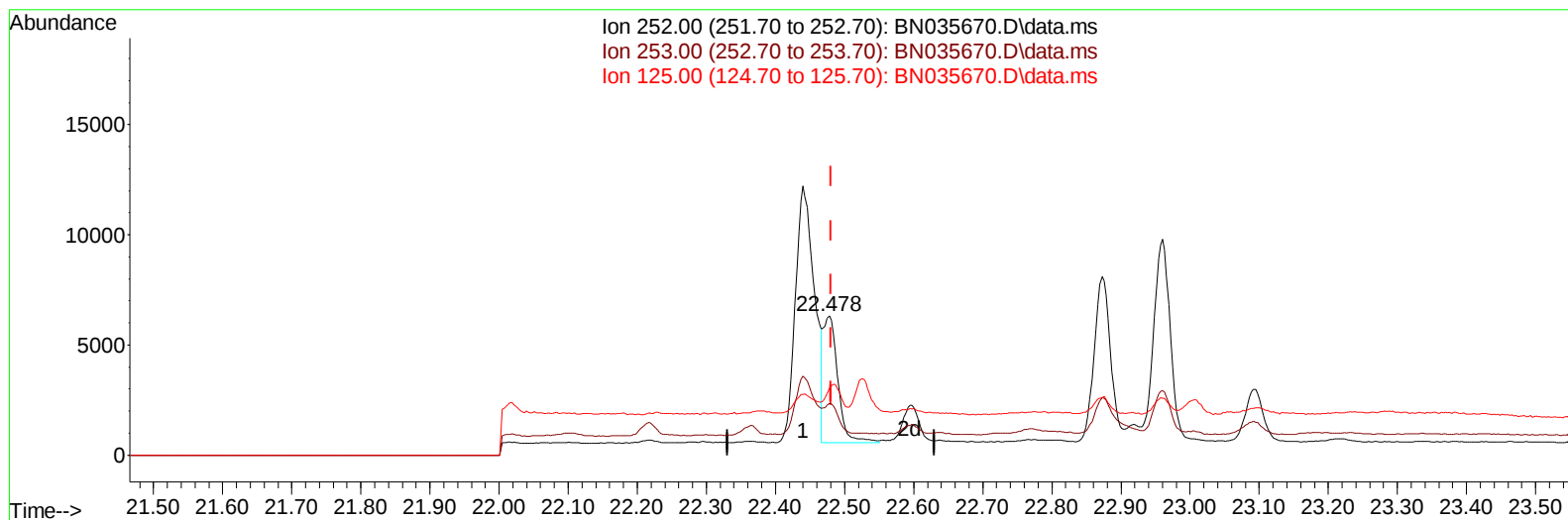
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 18 15:35:44 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: BN035670.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.003) 0.26 ng/u1 m

response 8367

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	37.20#
125.00	19.10	47.99#
0.00	0.00	0.00

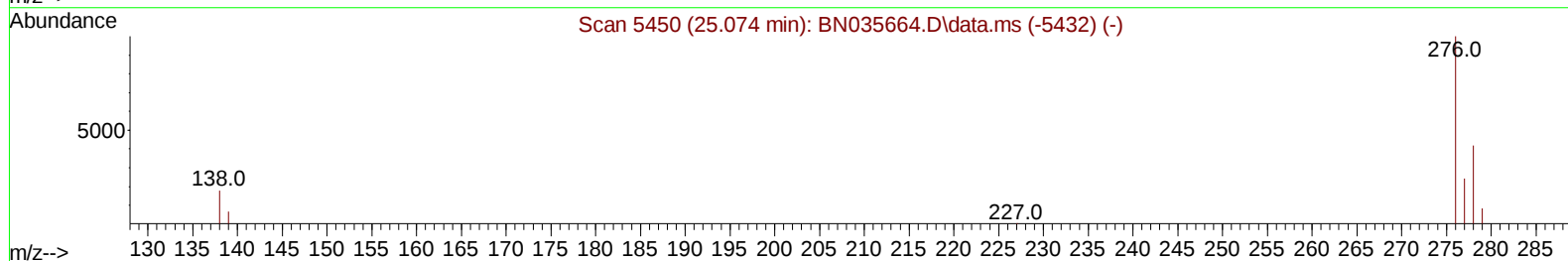
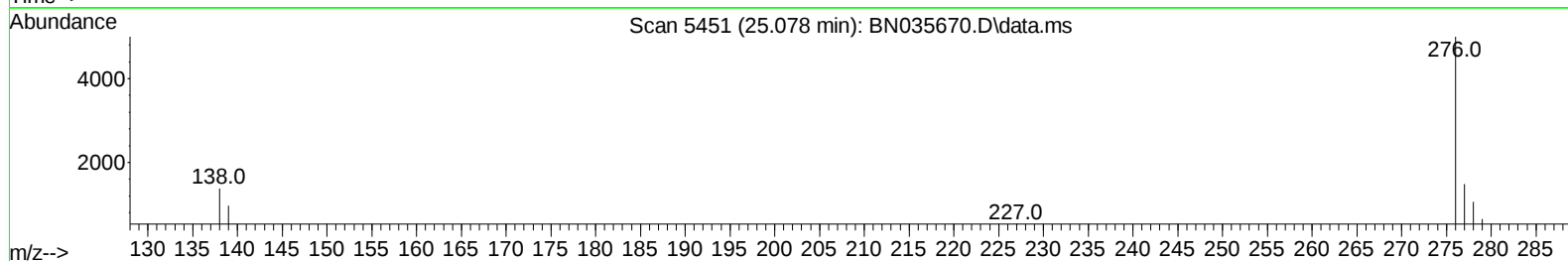
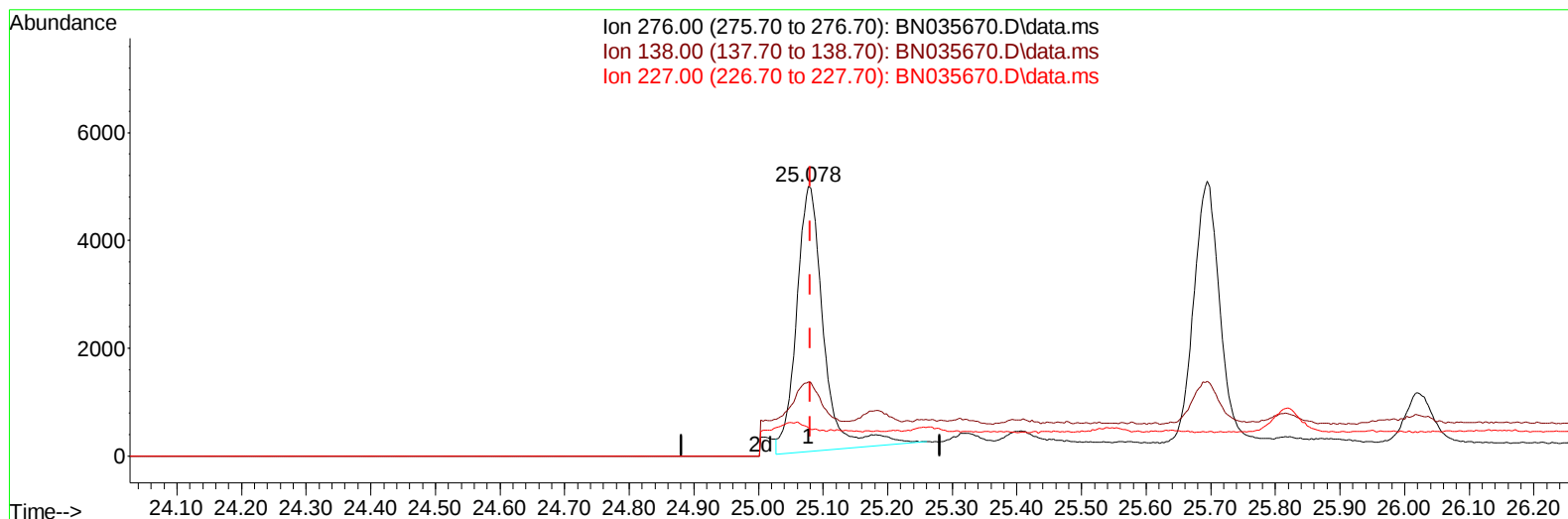
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

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

25.078min (-0.003) 0.41 ng/u1

response 14285

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	13.49#
227.00	27.00	53.80#
0.00	0.00	0.00

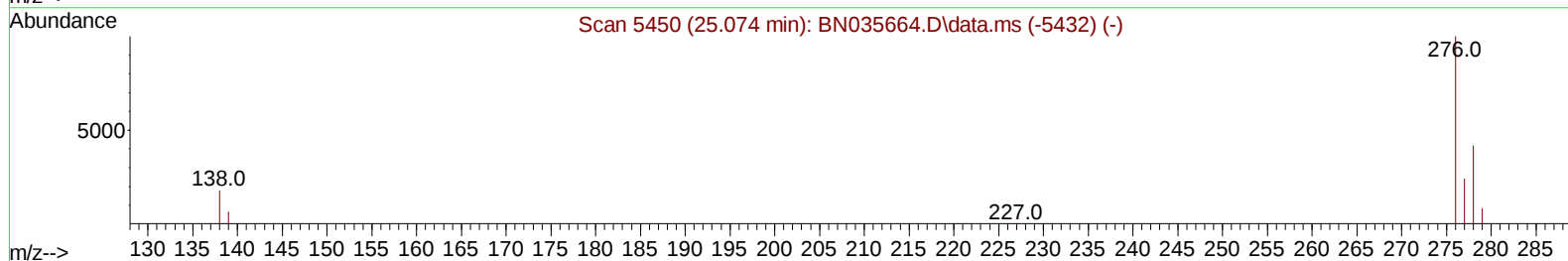
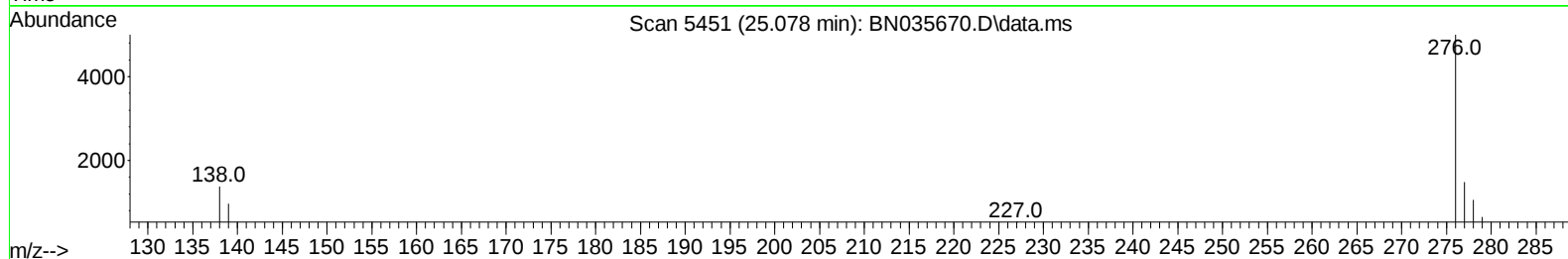
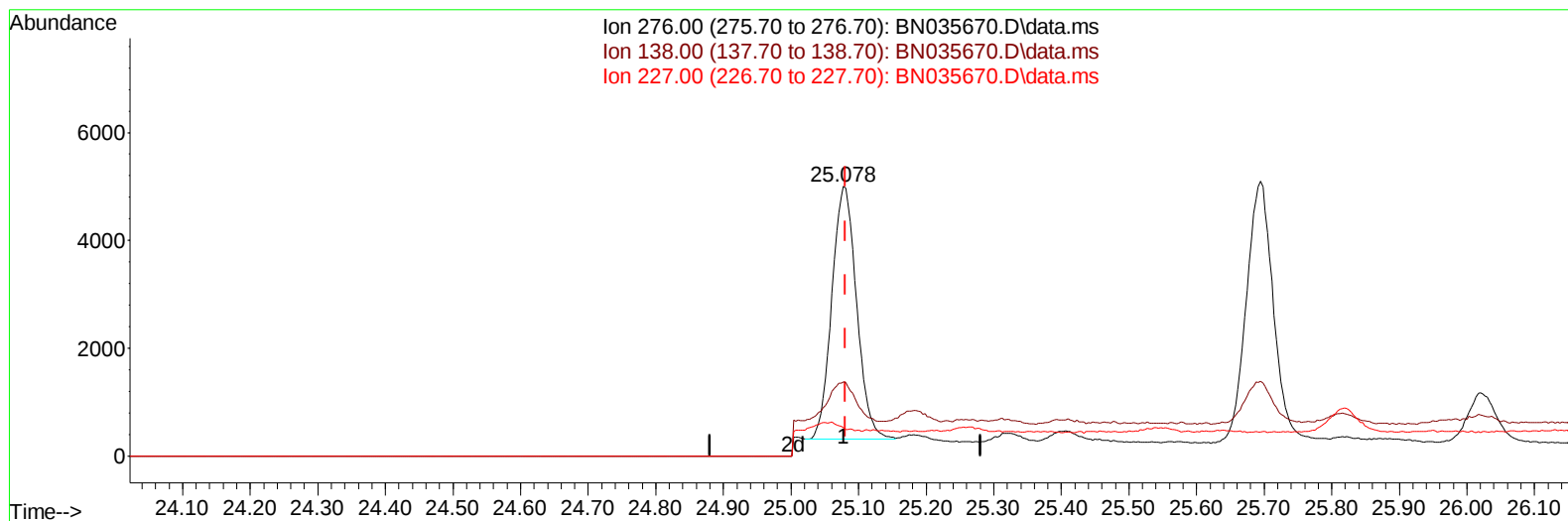
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

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

25.078min (-0.003) 0.35 ng/u1 m

response 11940

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	16.14
227.00	27.00	64.37#
0.00	0.00	0.00

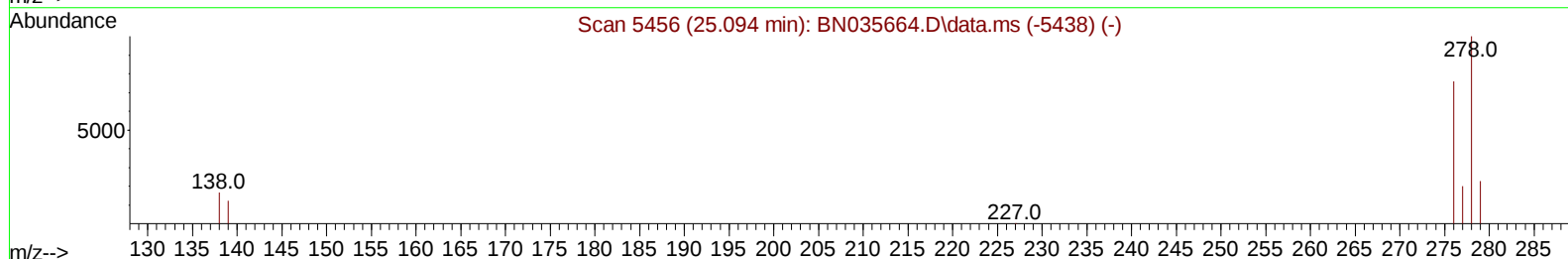
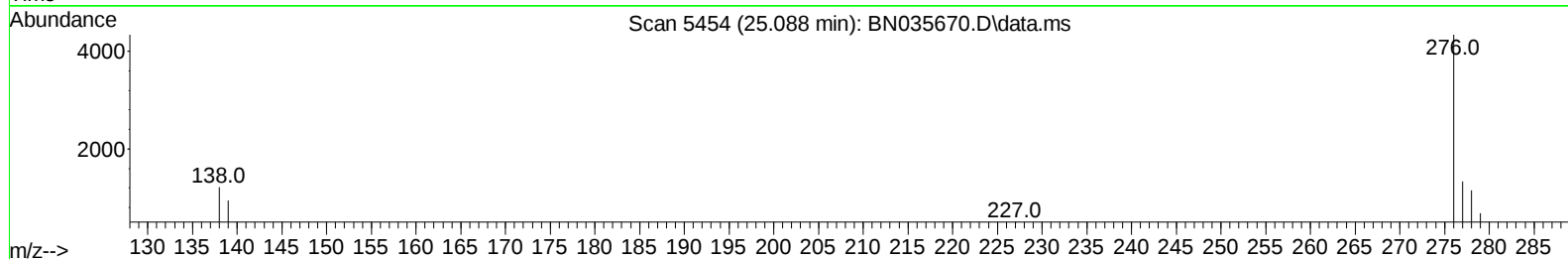
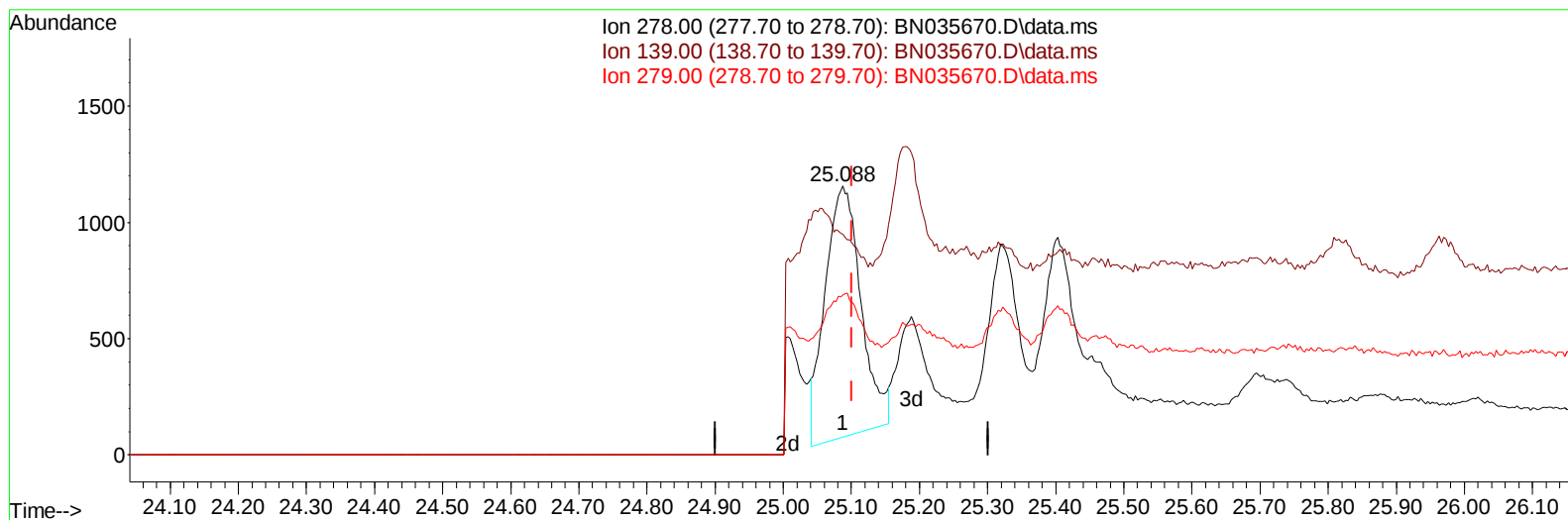
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(28) Dibenzo(a,h)anthracene

25.088min (-0.013) 0.15 ng/u1

response 3964

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	82.09#
279.00	30.00	59.52#
0.00	0.00	0.00

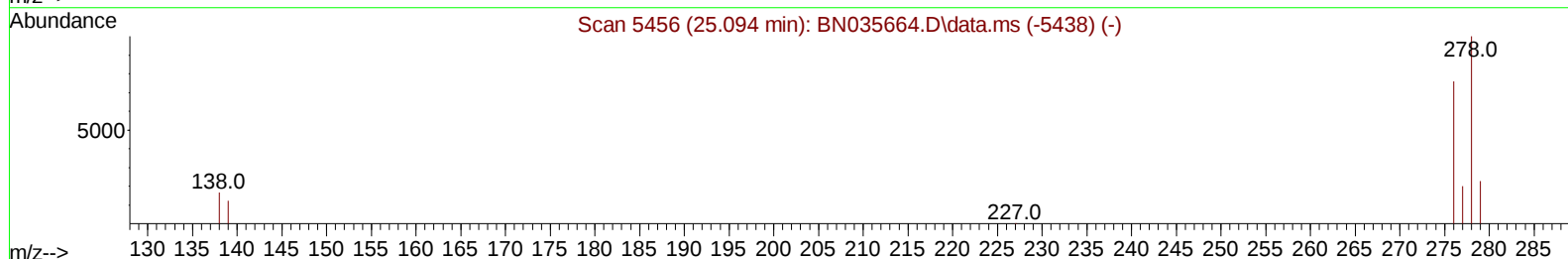
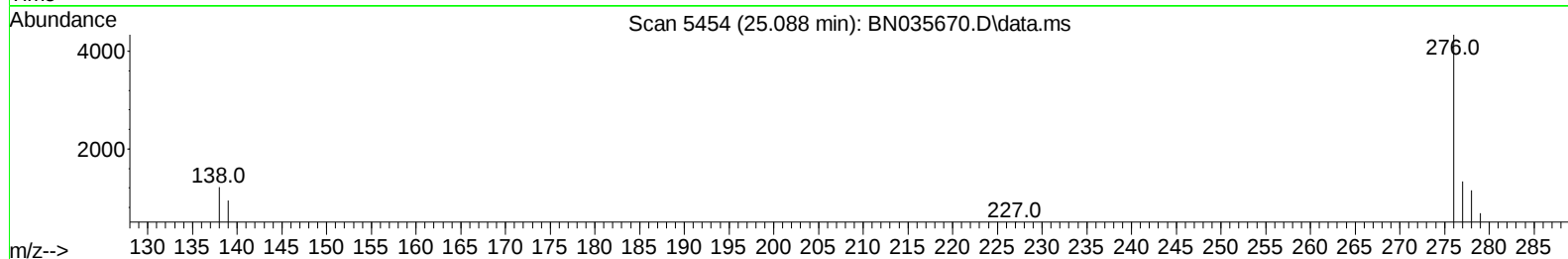
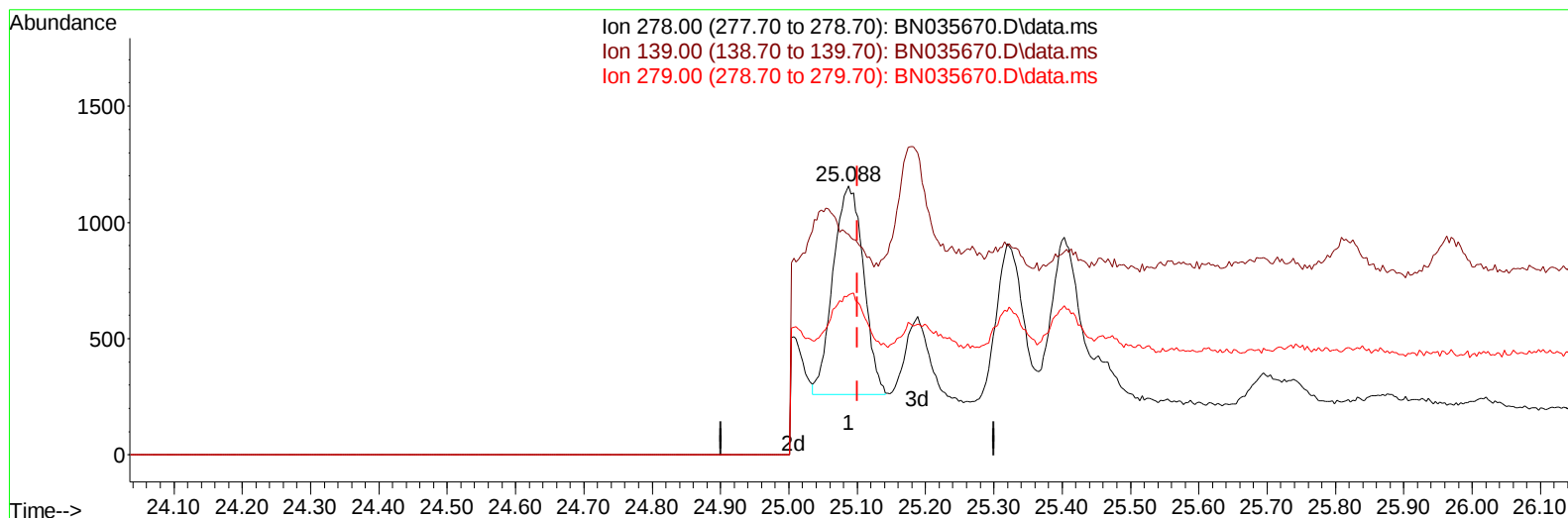
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035670.D\data.ms

(28) Dibenzo(a,h)anthracene

25.088min (-0.013) 0.11 ng/ul m

response 2787

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	82.09#
279.00	30.00	59.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035670.D
 Acq On : 18 Dec 2024 15:04
 Operator : RC/JU
 Sample : P5155-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28T4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 18 15:35:44 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	2904	0.400	ng/ul	0.00
4) Naphthalene-d8	10.026	136	8468	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5828	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	11936	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	9642	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	9919m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	7998	3.106	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2383	0.198	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	5055	0.179	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.075	128	2131m	0.103	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1214	0.087	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	613	0.042	ng/ul	97
10) Acenaphthylene	13.657	152	1028	0.046	ng/ul#	77
11) Acenaphthene	14.009	153	447	0.026	ng/ul#	92
12) Fluorene	15.008	166	582	0.029	ng/ul#	88
15) Phenanthrene	16.755	178	11041	0.370	ng/ul	100
16) Anthracene	16.844	178	2707	0.097	ng/ul#	88
19) Fluoranthene	18.800	202	24447	0.709	ng/ul	98
20) Pyrene	19.163	202	22933	0.604	ng/ul	98
21) Benzo(a)anthracene	20.947	228	12461	0.390	ng/ul	94
22) Chrysene	20.996	228	15865m	0.478	ng/ul	
24) Benzo(b)fluoranthene	22.440	252	22261m	0.762	ng/ul	
25) Benzo(k)fluoranthene	22.478	252	8367m	0.259	ng/ul	
26) Benzo(a)pyrene	22.960	252	15233	0.538	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.078	276	11940m	0.346	ng/ul	
28) Dibenzo(a,h)anthracene	25.088	278	2787m	0.106	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	13734	0.497	ng/ul	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035670.D
Acq On : 18 Dec 2024 15:04
Operator : RC/JU
Sample : P5155-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T4

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:35:44 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024

