

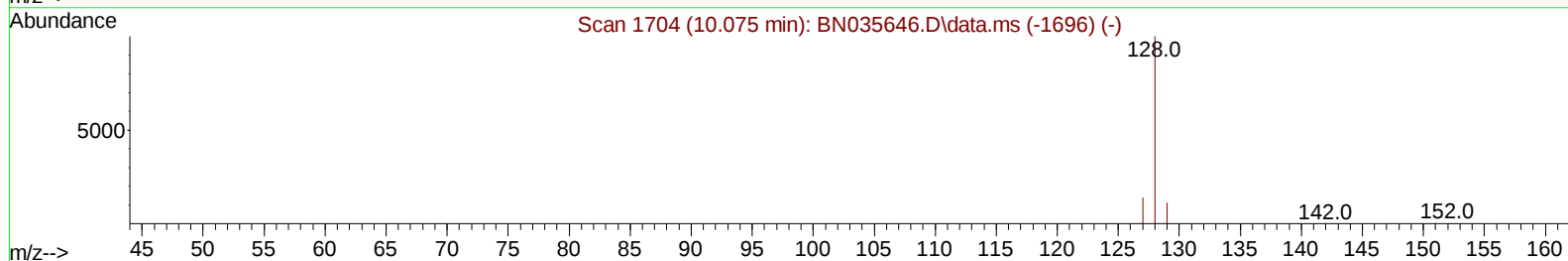
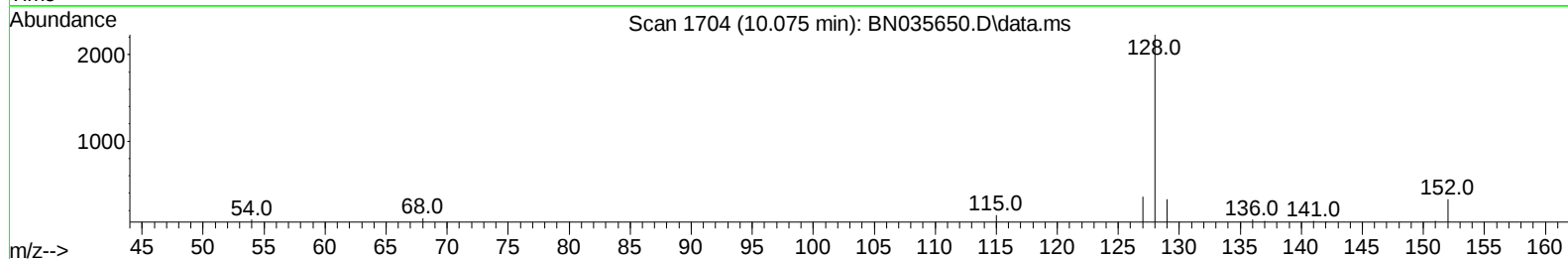
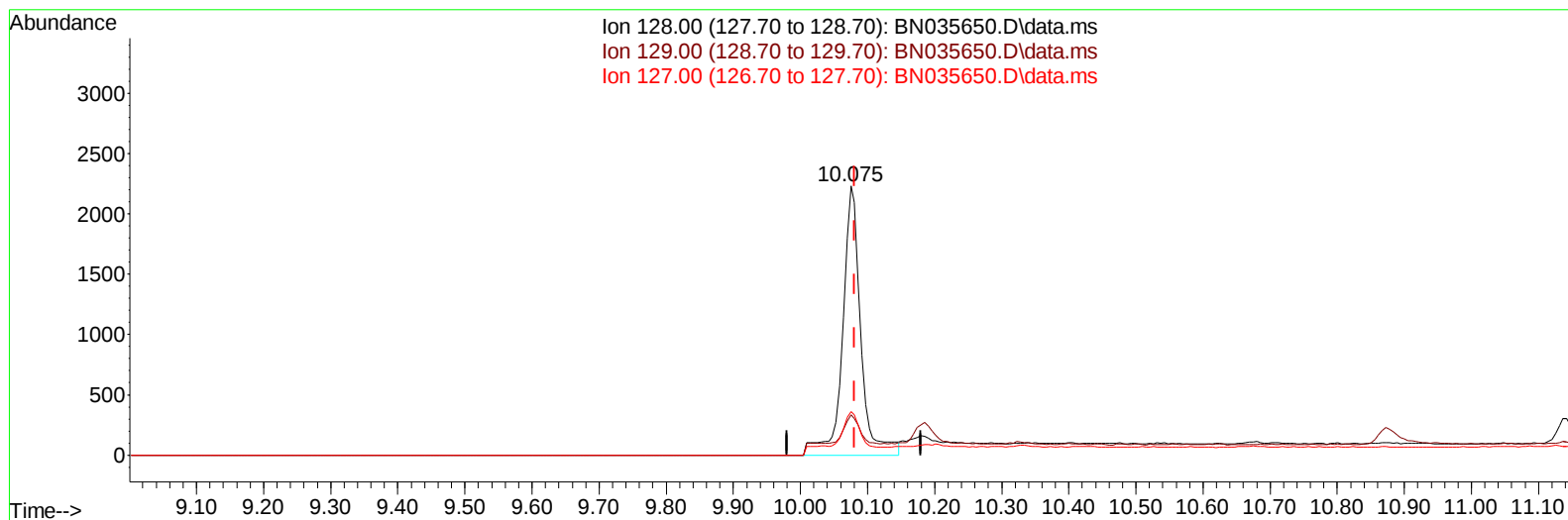
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.17 ng/u1

response 4158

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.93
127.00	15.00	16.14
0.00	0.00	0.00

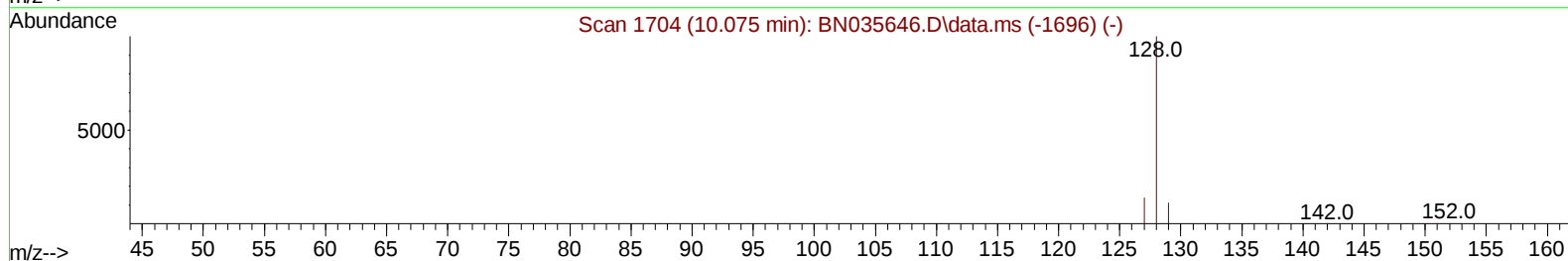
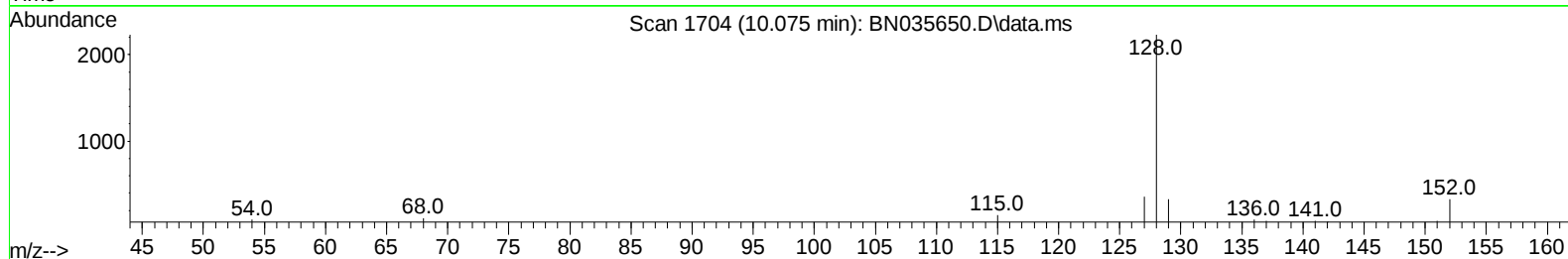
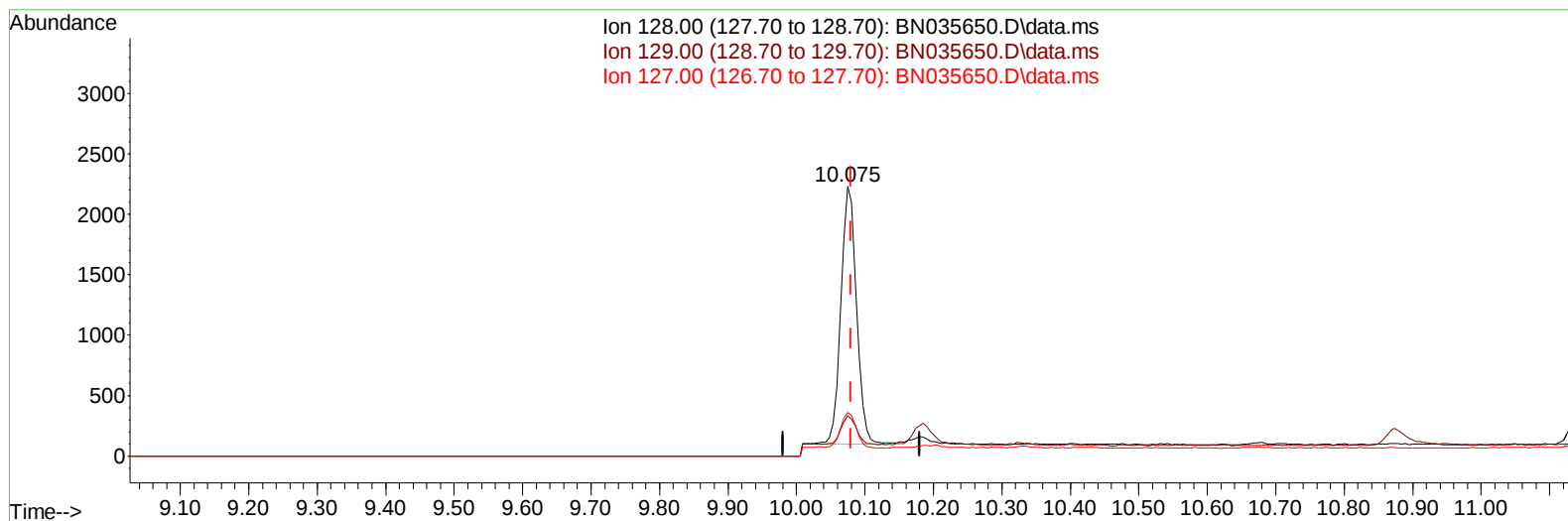
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.14 ng/ul m

response 3362

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.93
127.00	15.00	16.14
0.00	0.00	0.00

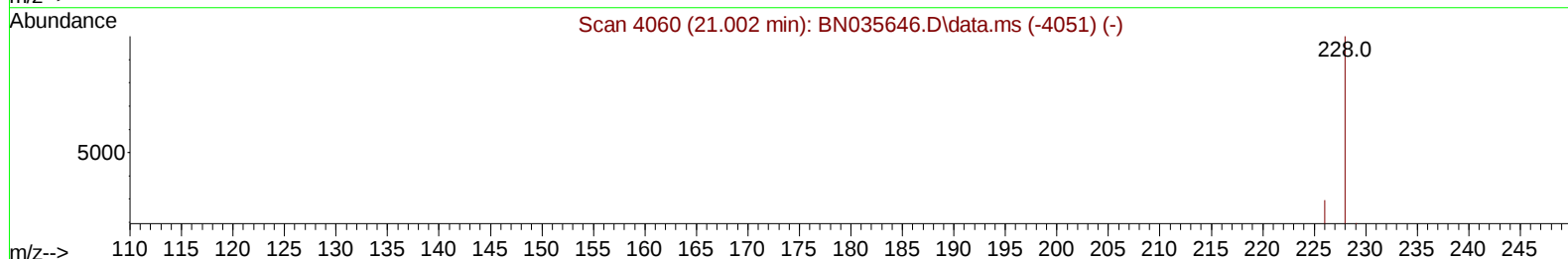
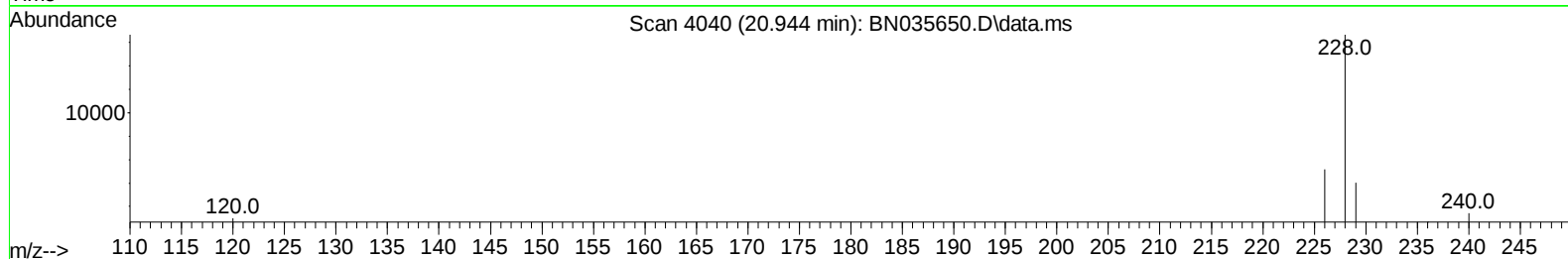
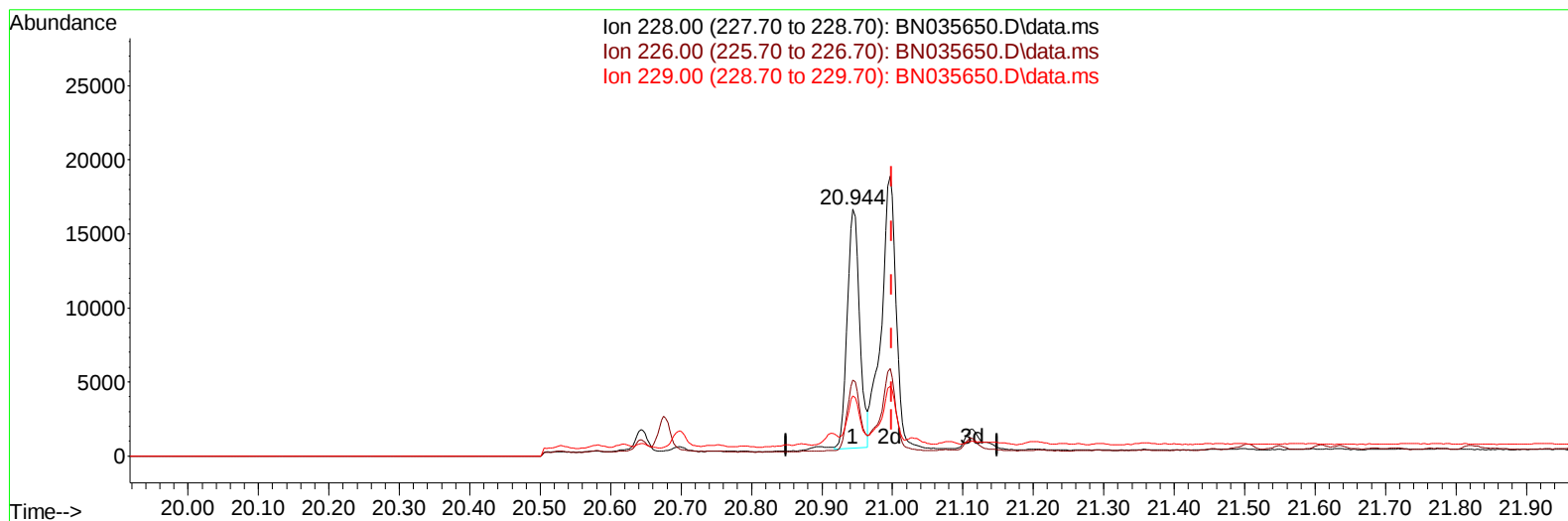
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BN035650.D\data.ms

(22) Chrysene

20.944min (-0.055) 0.44 ng/u1

response 19686

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	30.91
229.00	20.70	24.32
0.00	0.00	0.00

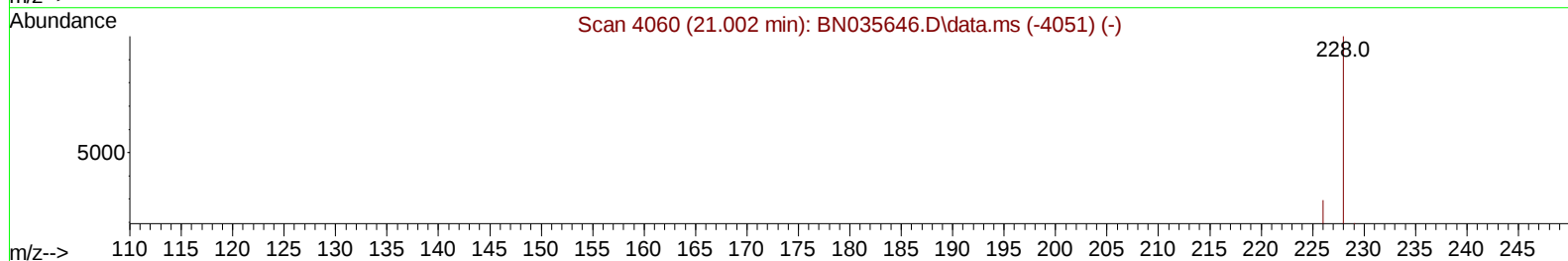
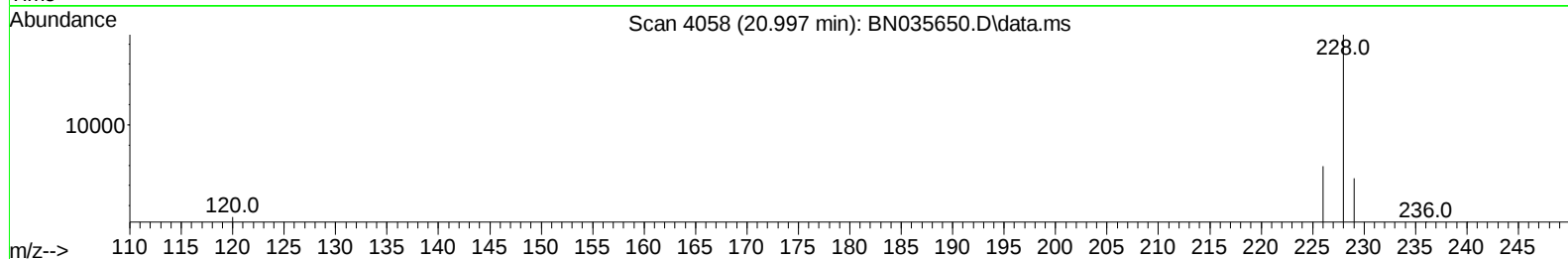
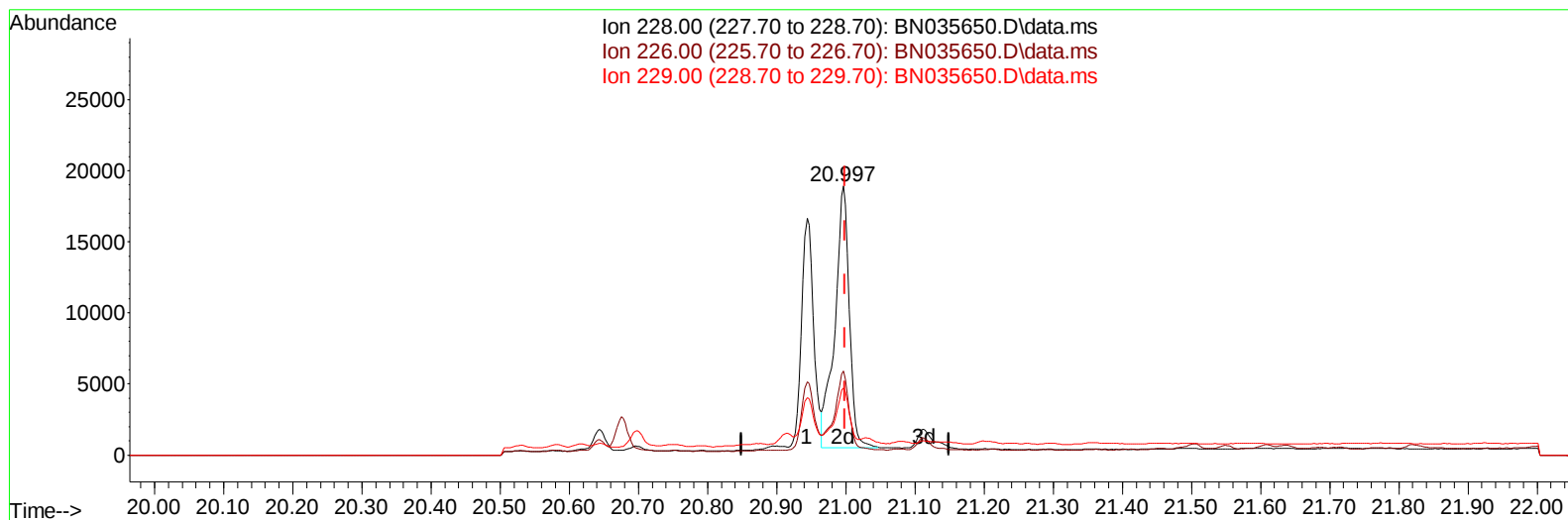
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(22) Chrysene

20.997min (-0.003) 0.60 ng/u1 m

response 26983

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	31.22
229.00	20.70	24.85#
0.00	0.00	0.00

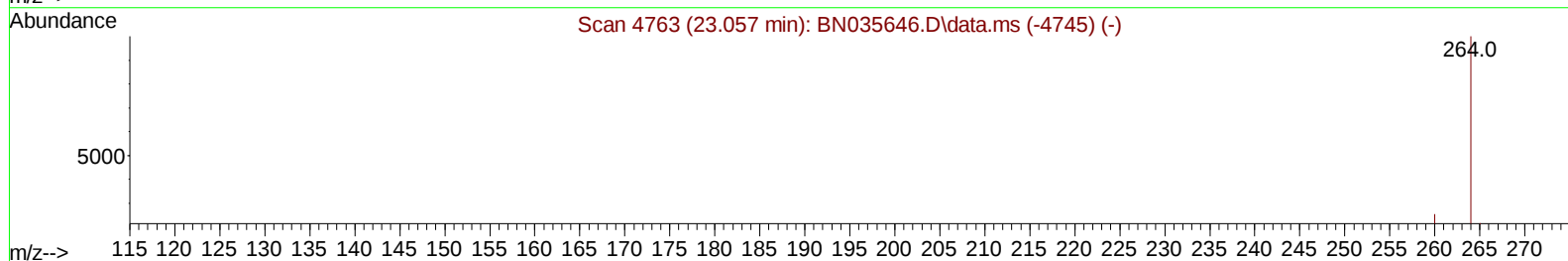
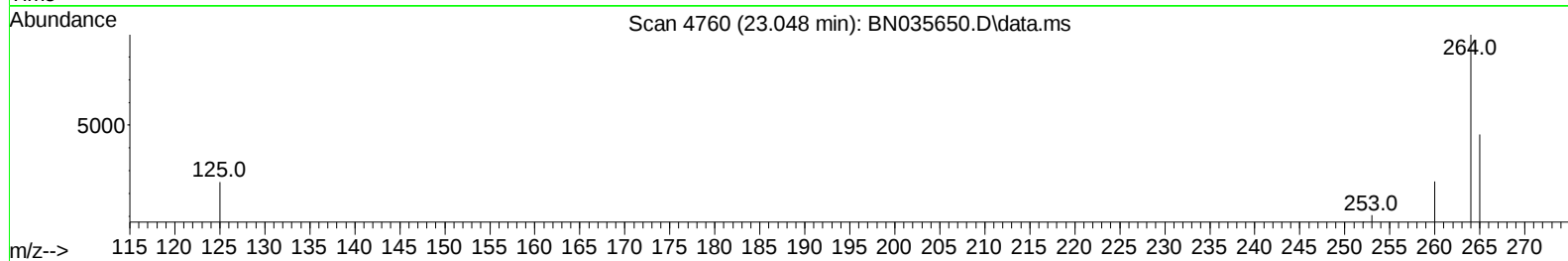
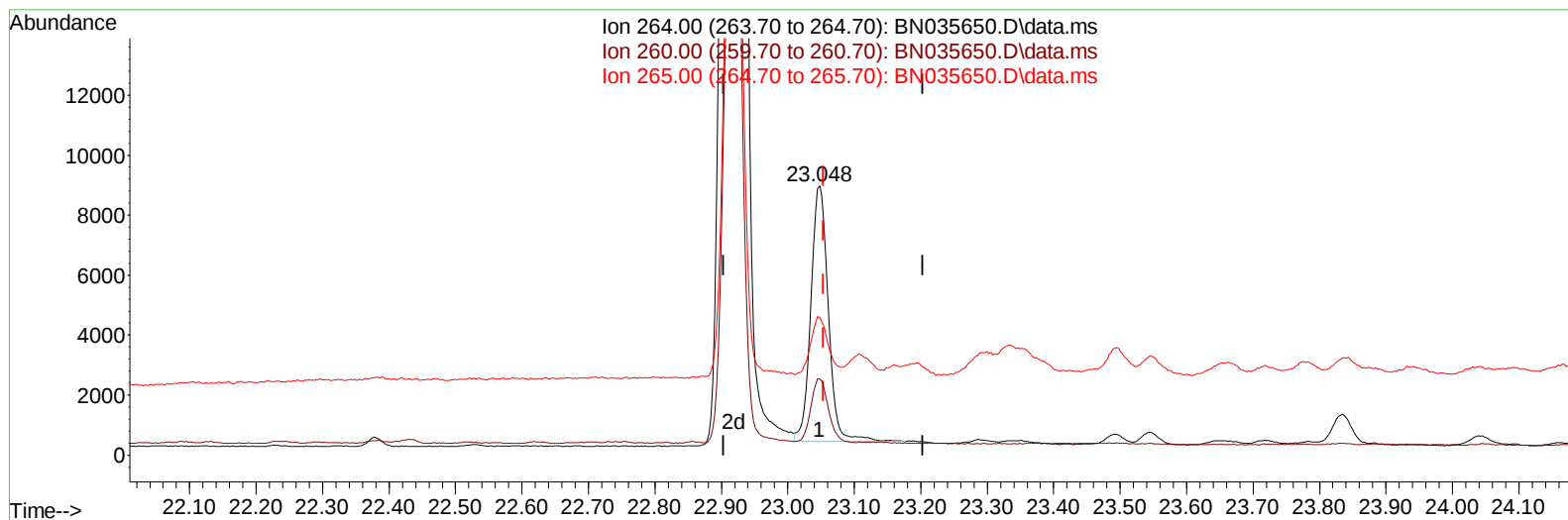
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN035650.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 15330

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.14
265.00	62.10	51.16
0.00	0.00	0.00

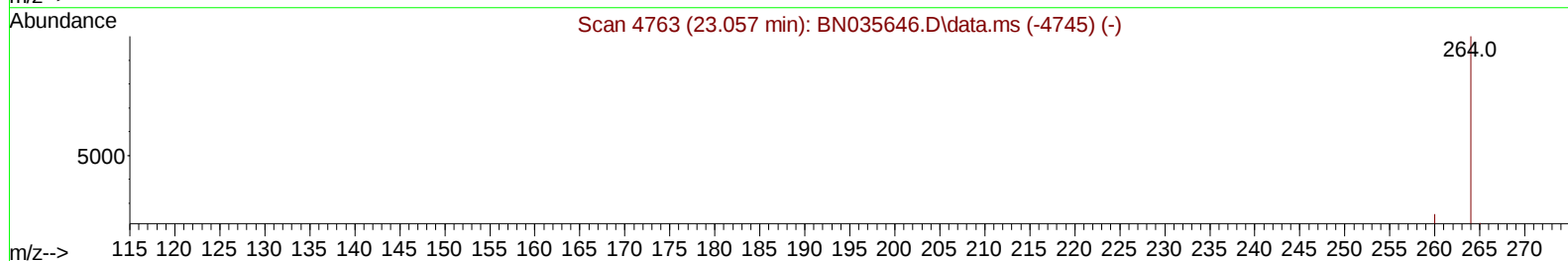
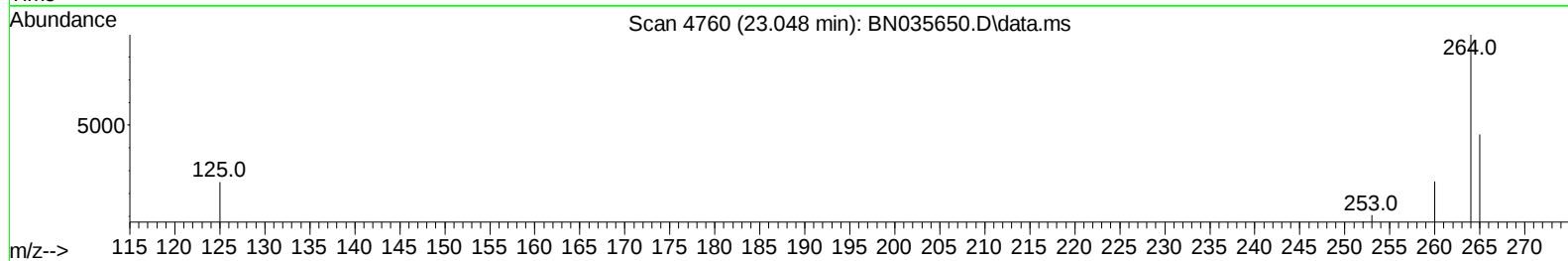
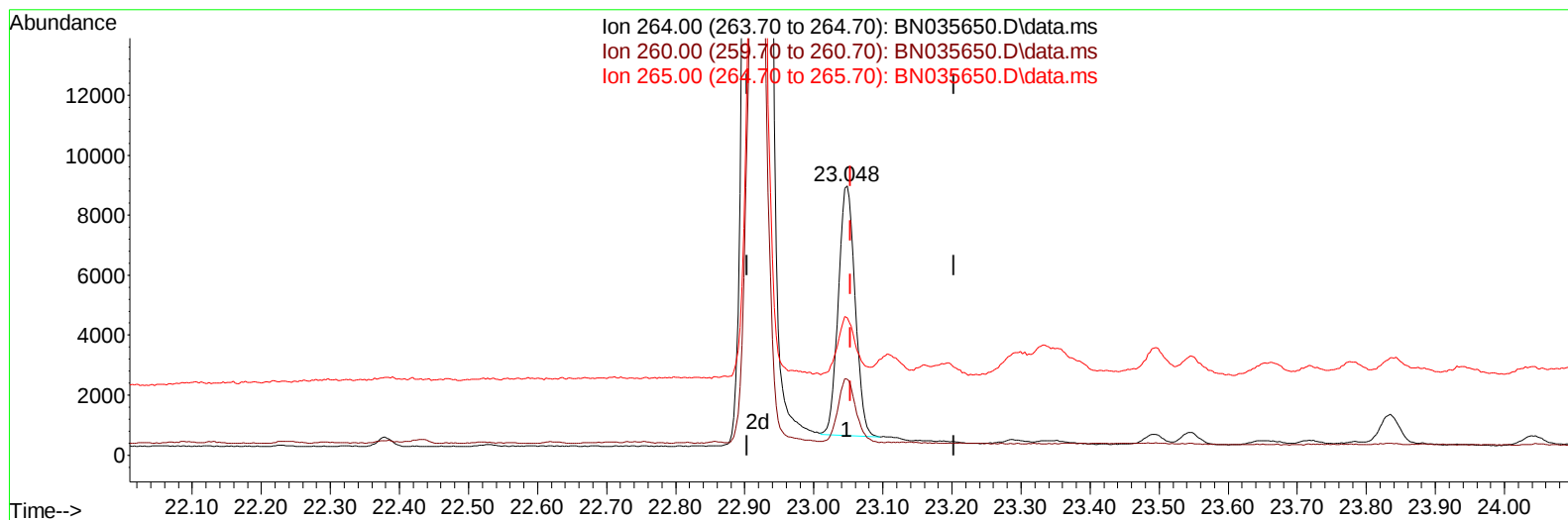
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 14064

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.14
265.00	62.10	51.16
0.00	0.00	0.00

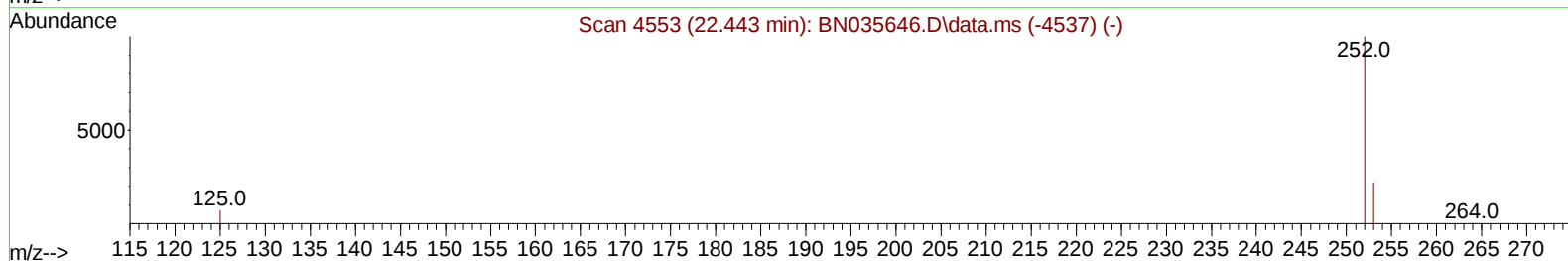
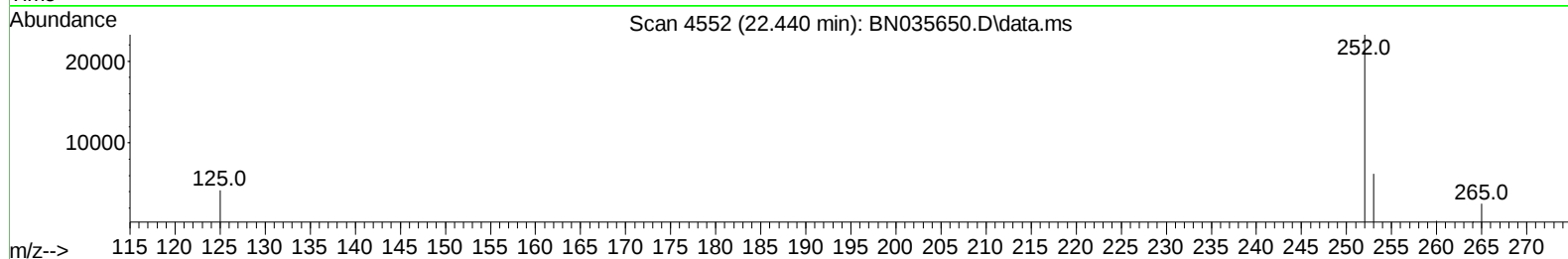
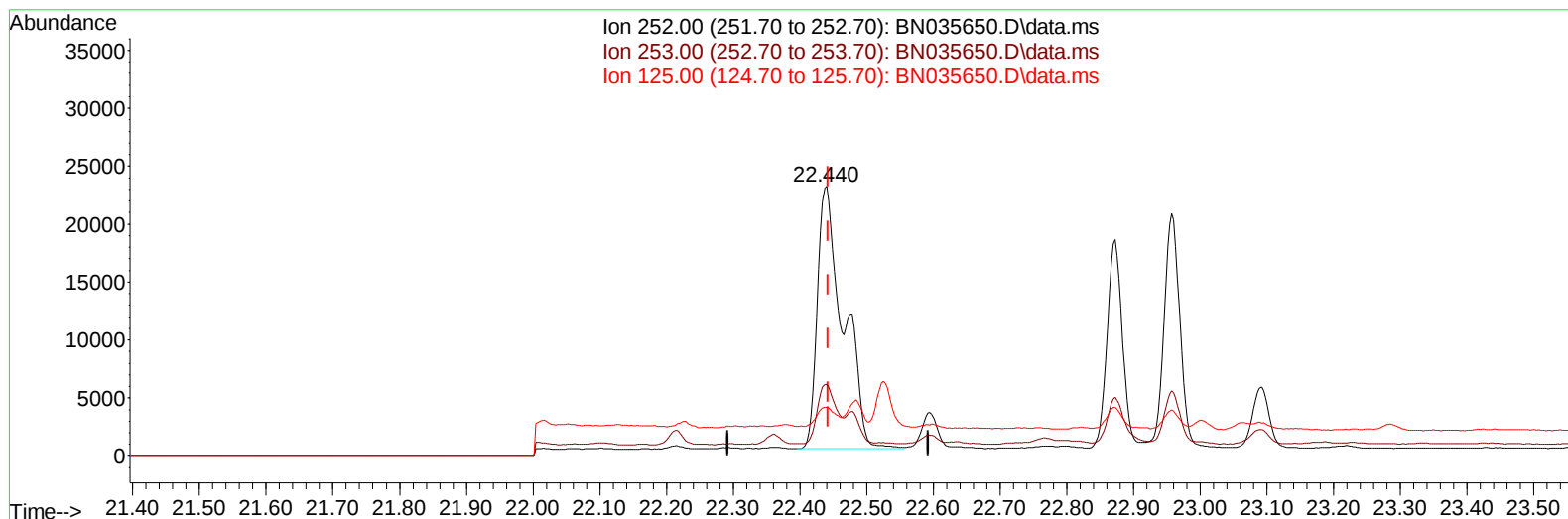
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
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TIC: BN035650.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.47 ng/u1

response 60975

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.65
125.00	18.80	18.14
0.00	0.00	0.00

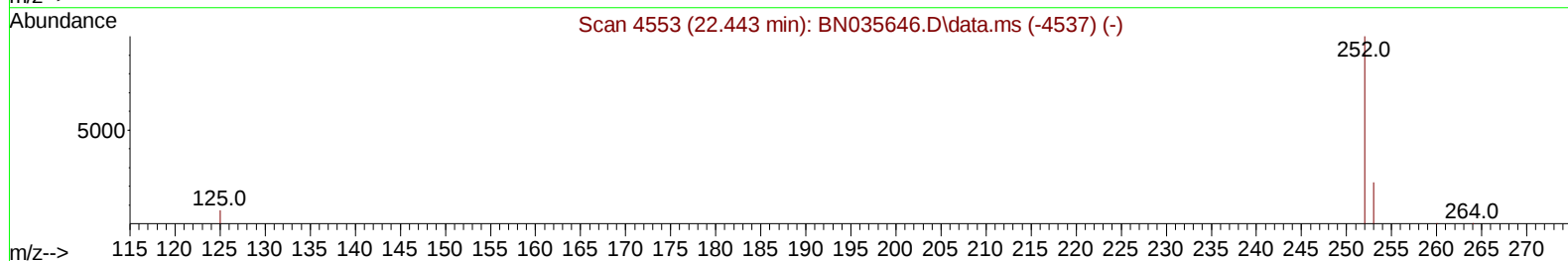
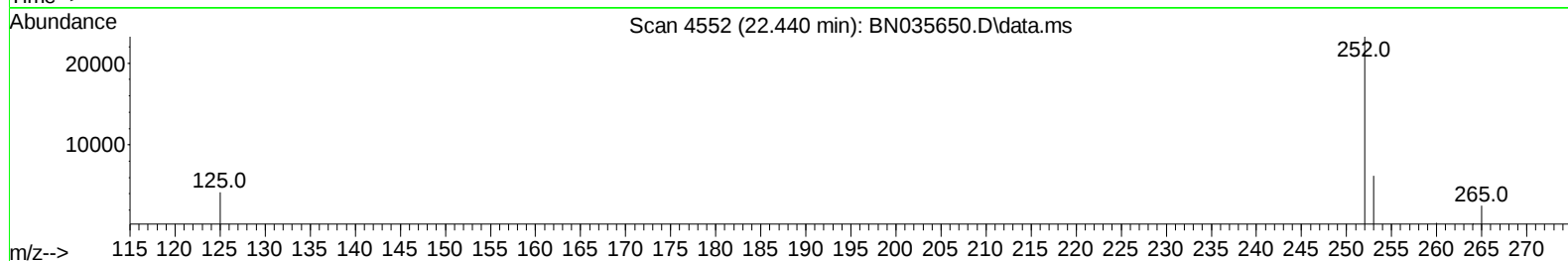
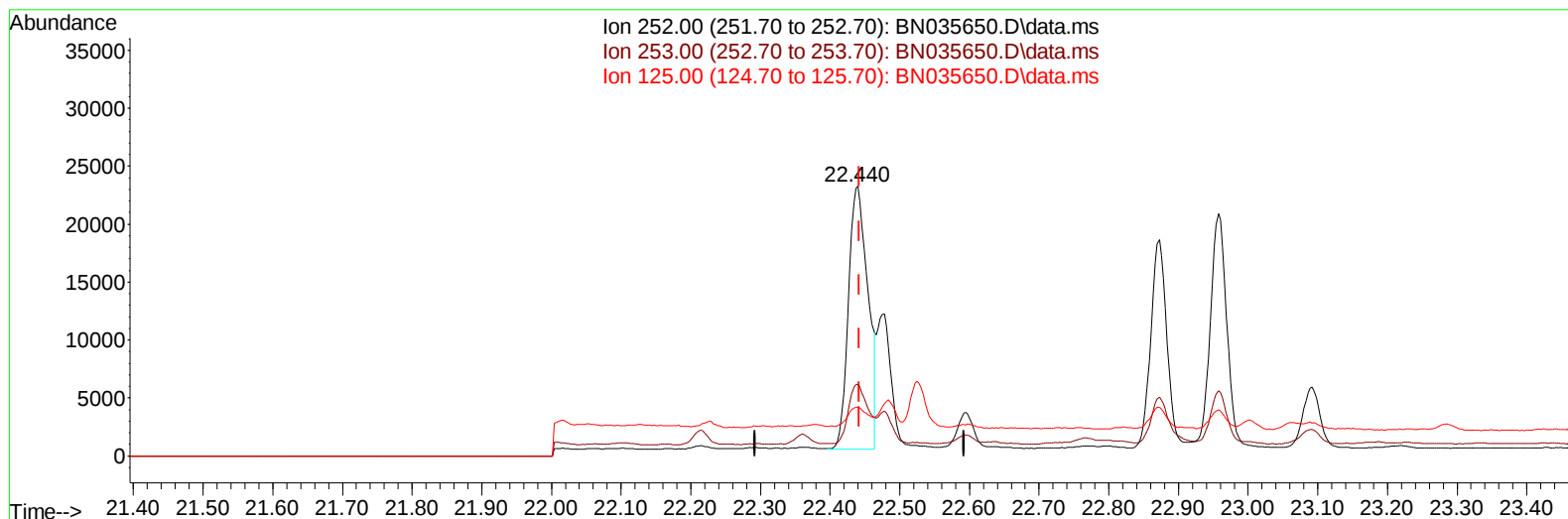
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.06 ng/u1 m

response 43866

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.65
125.00	18.80	18.14
0.00	0.00	0.00

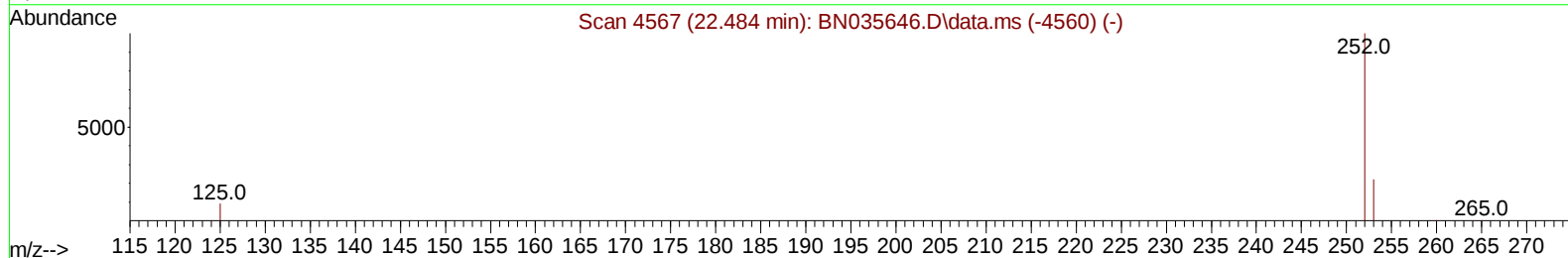
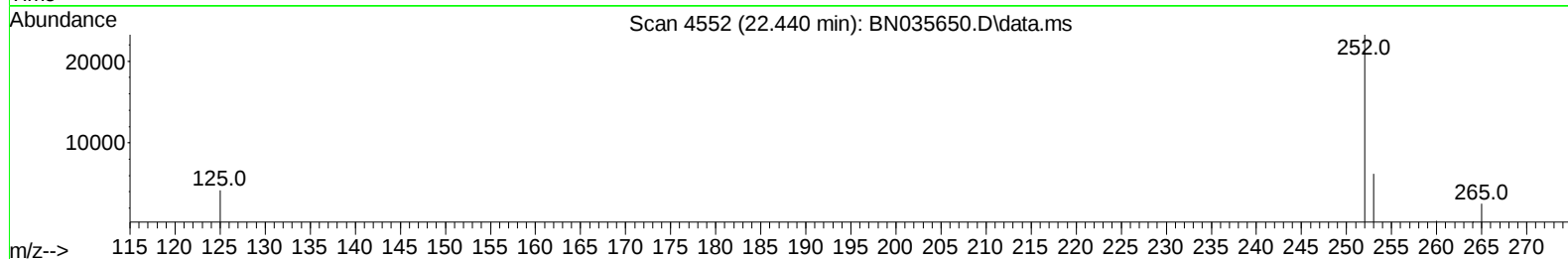
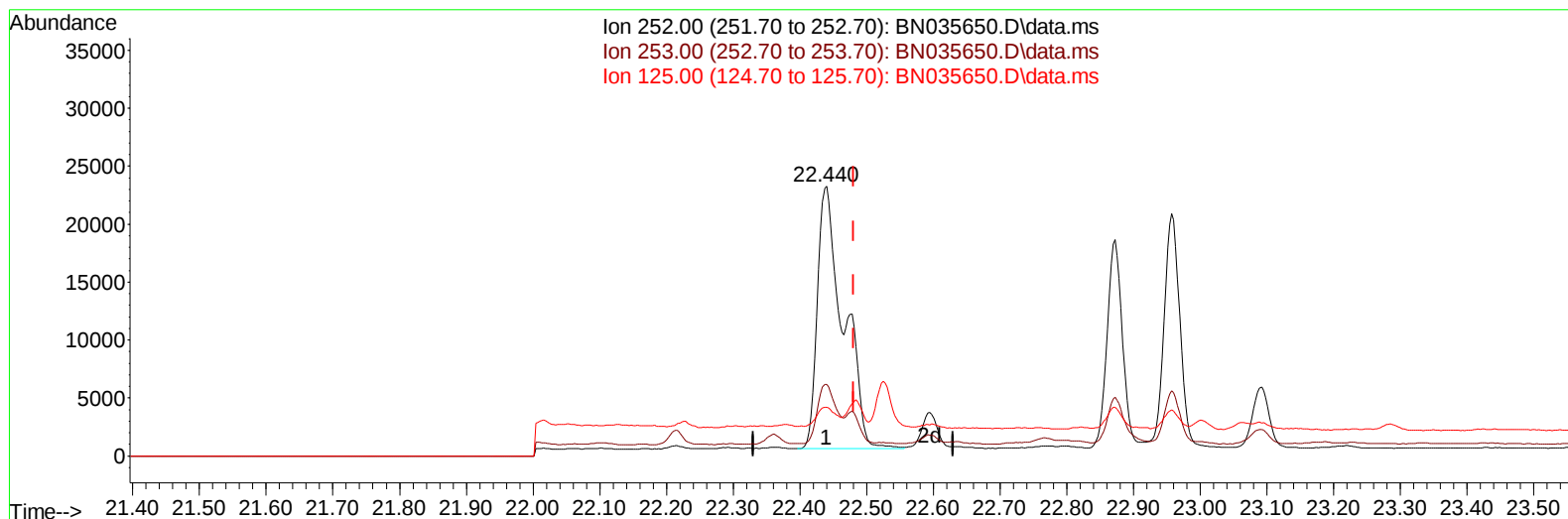
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 1.33 ng/u1

response 60975

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	26.65
125.00	19.10	18.14
0.00	0.00	0.00

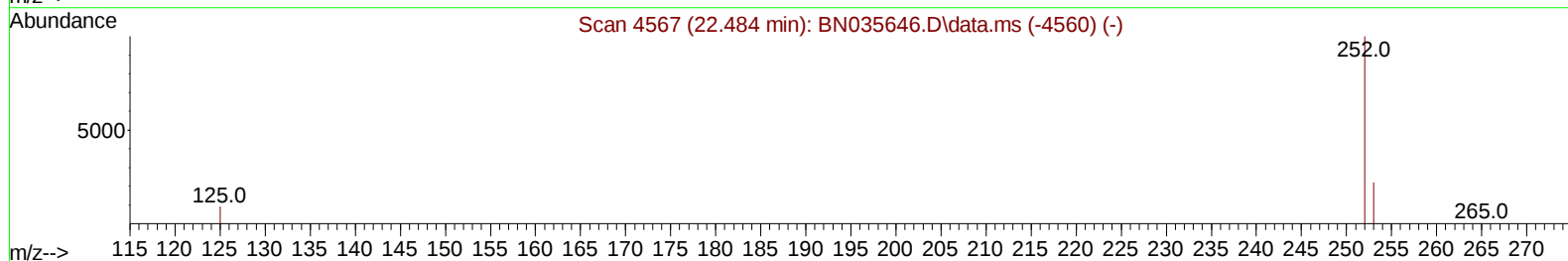
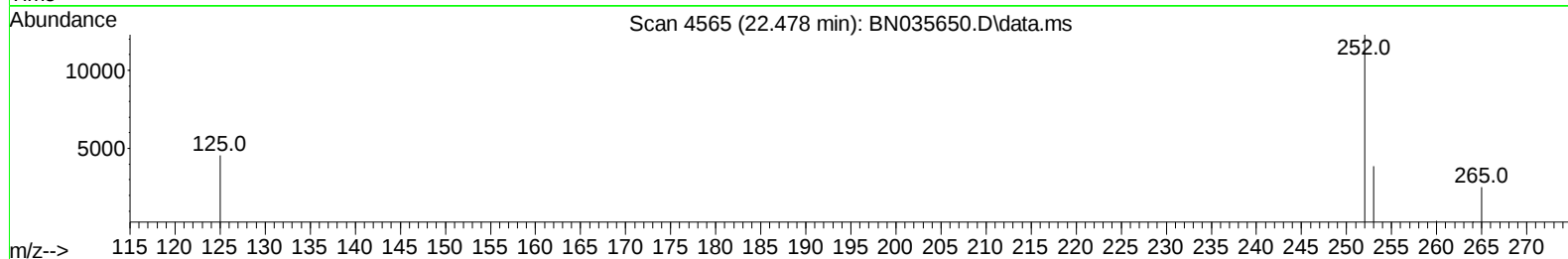
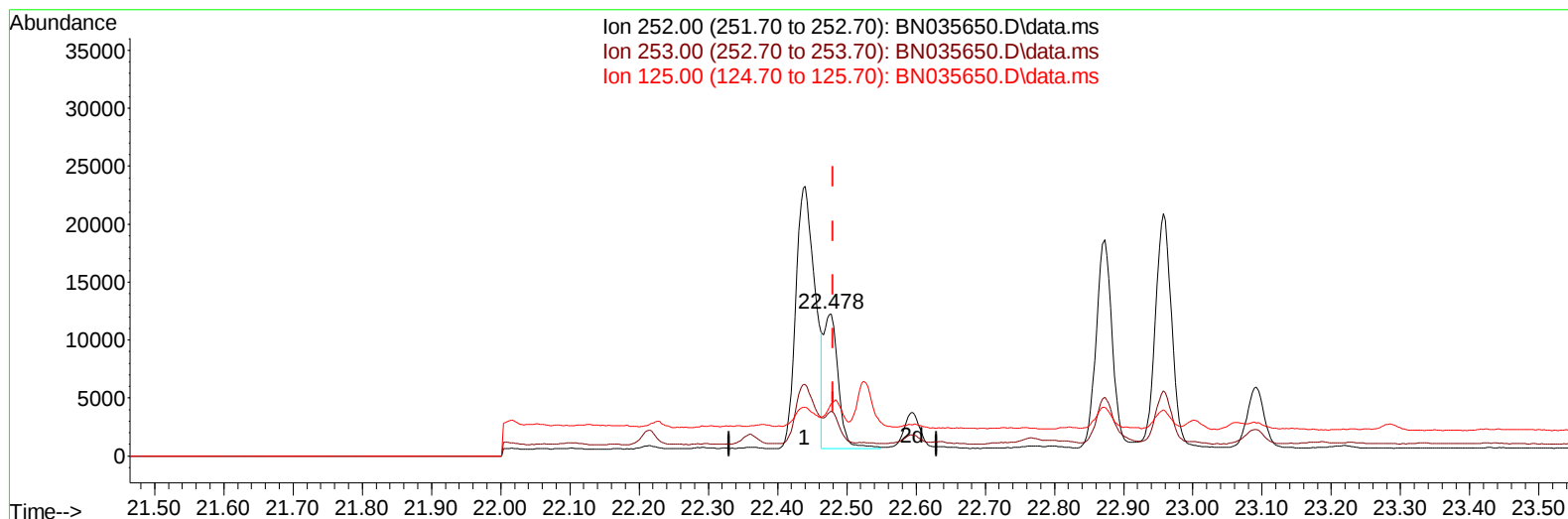
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.003) 0.37 ng/u1 m

response 17013

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	31.53
125.00	19.10	37.13#
0.00	0.00	0.00

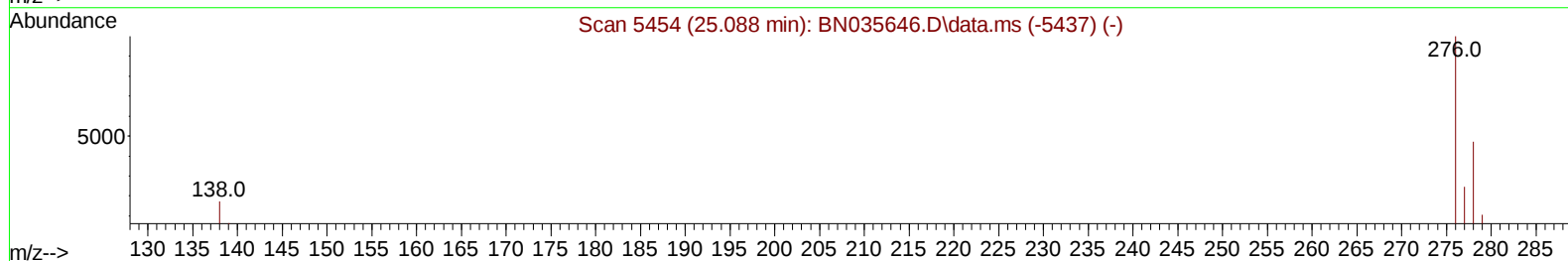
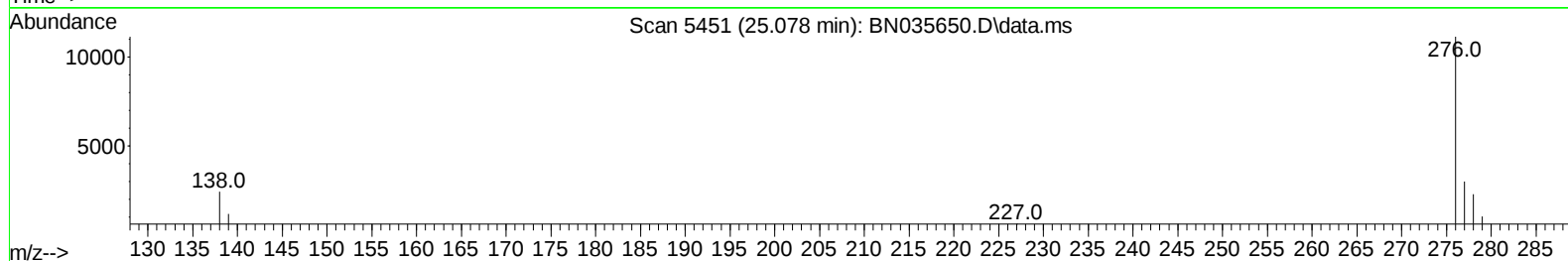
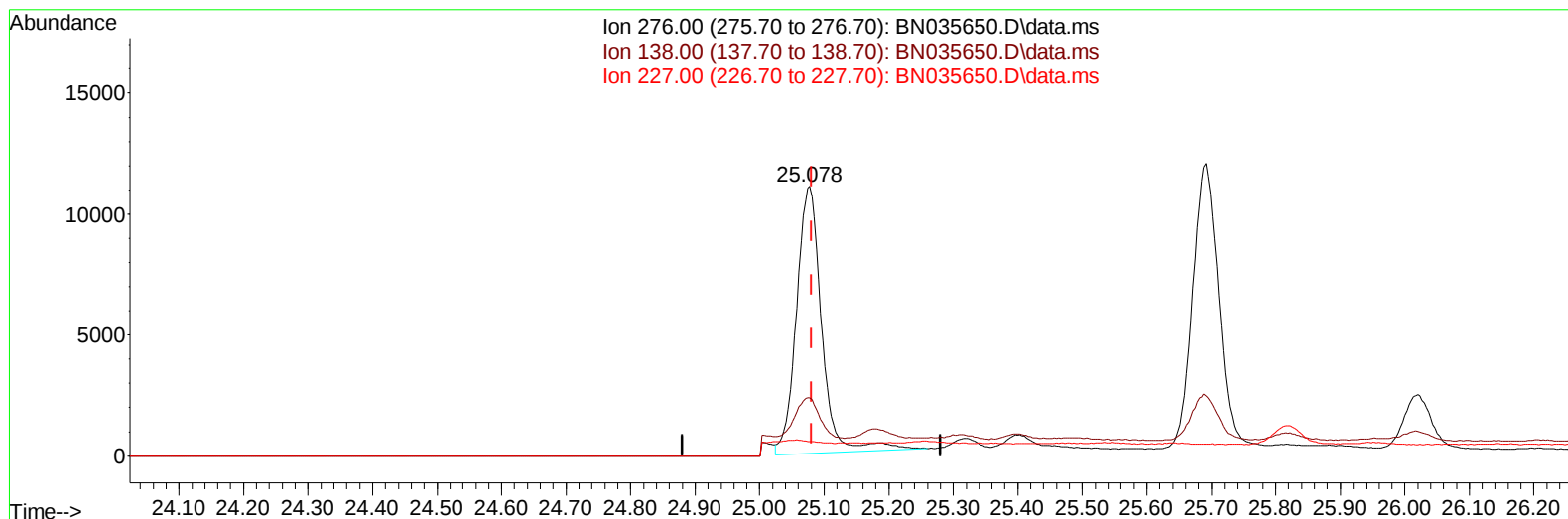
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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TIC: BN035650.D\data.ms

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

25.078min (-0.003) 0.62 ng/u1

response 30166

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	31.41#
227.00	27.00	0.00#
0.00	0.00	0.00

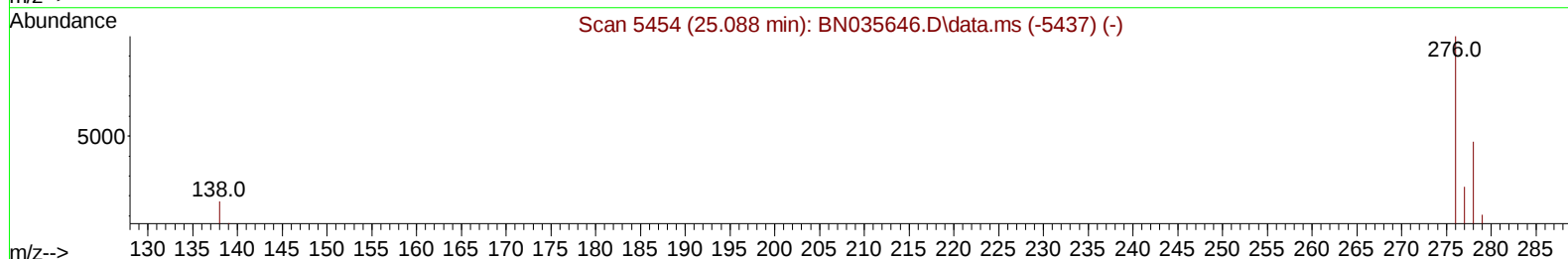
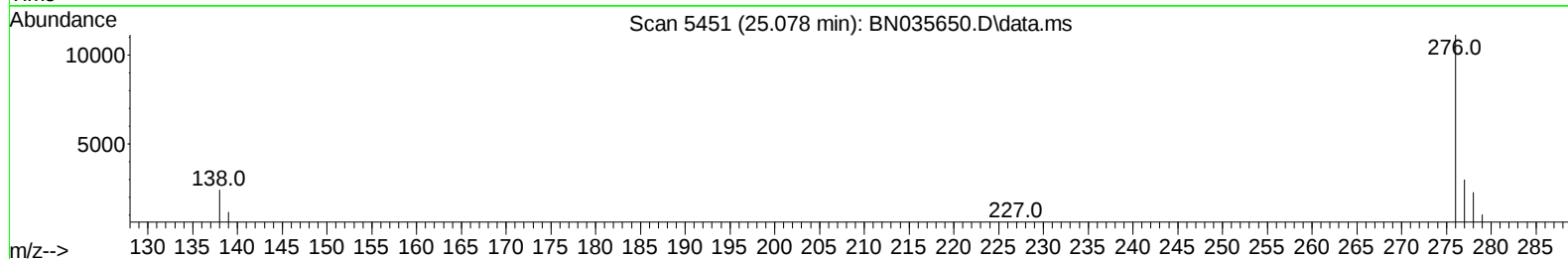
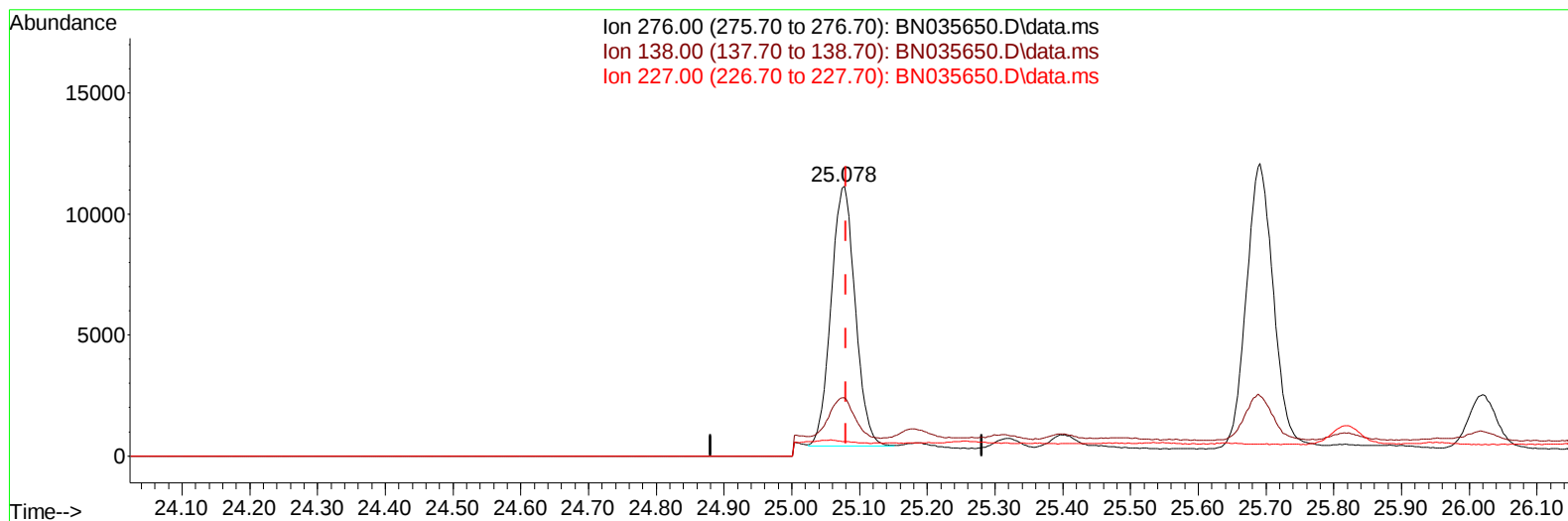
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

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

25.078min (-0.003) 0.55 ng/u1 m

response 26691

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	35.50#
227.00	27.00	0.00#
0.00	0.00	0.00

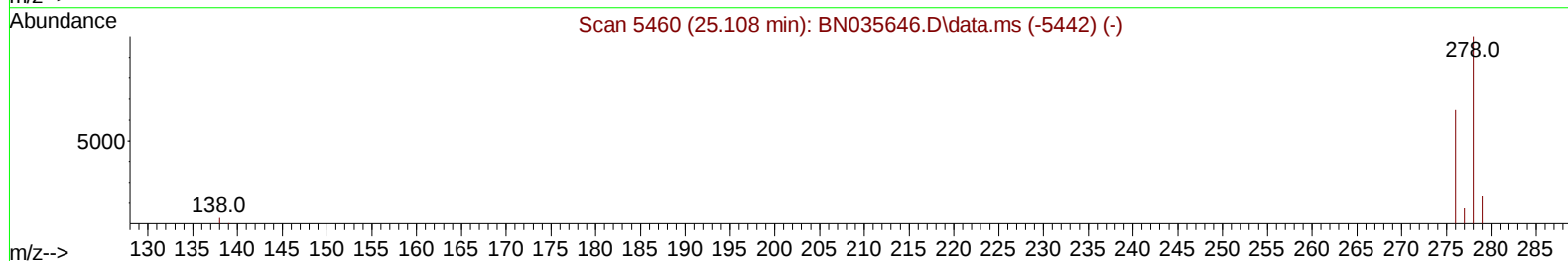
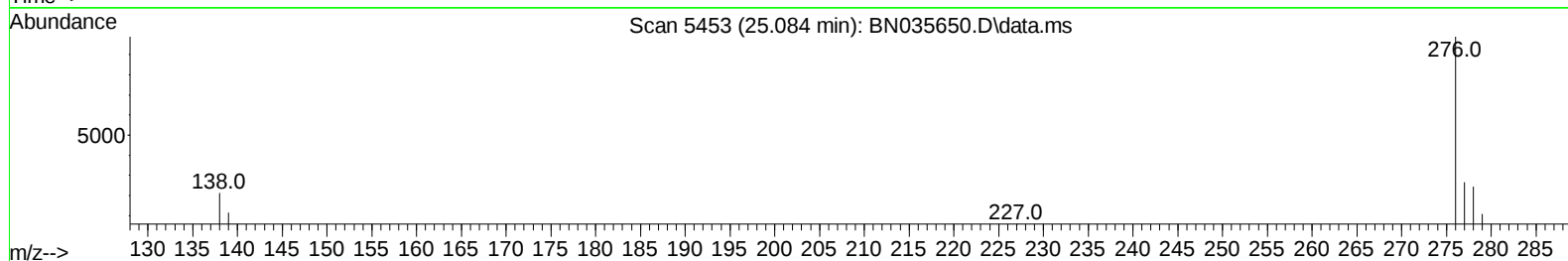
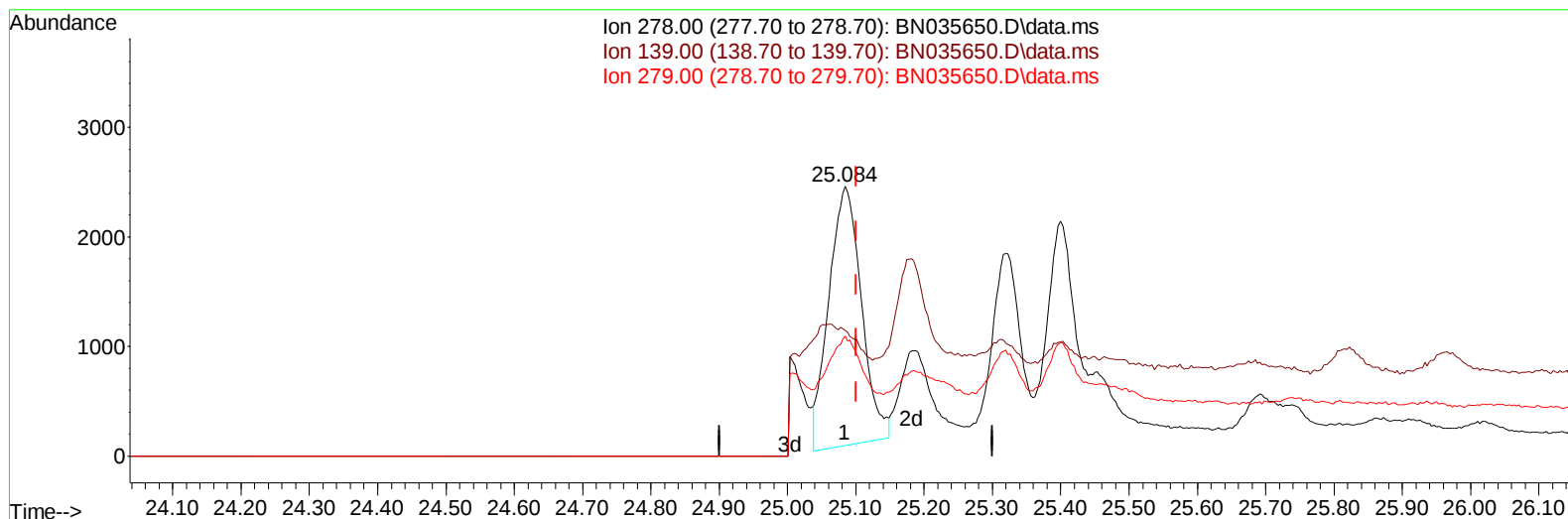
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 13:45:42 2024
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Response via : Initial Calibration



TIC: BN035650.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.21 ng/u1

response 7872

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	46.59#
279.00	30.00	44.47#
0.00	0.00	0.00

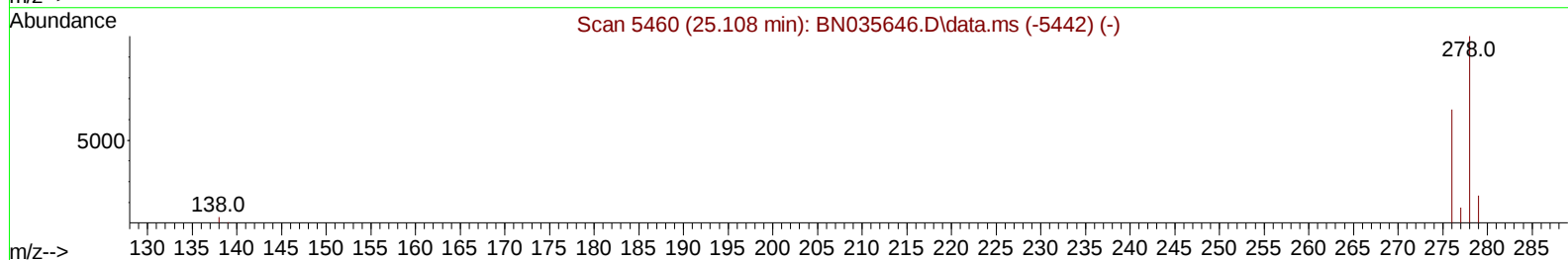
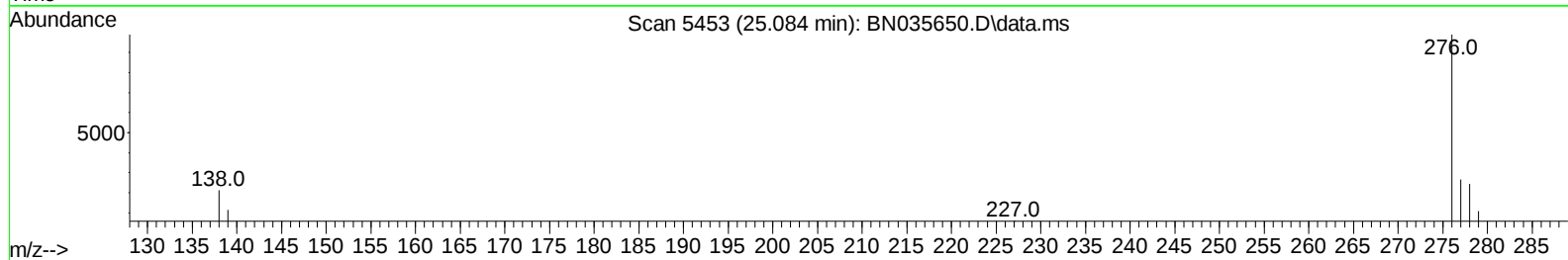
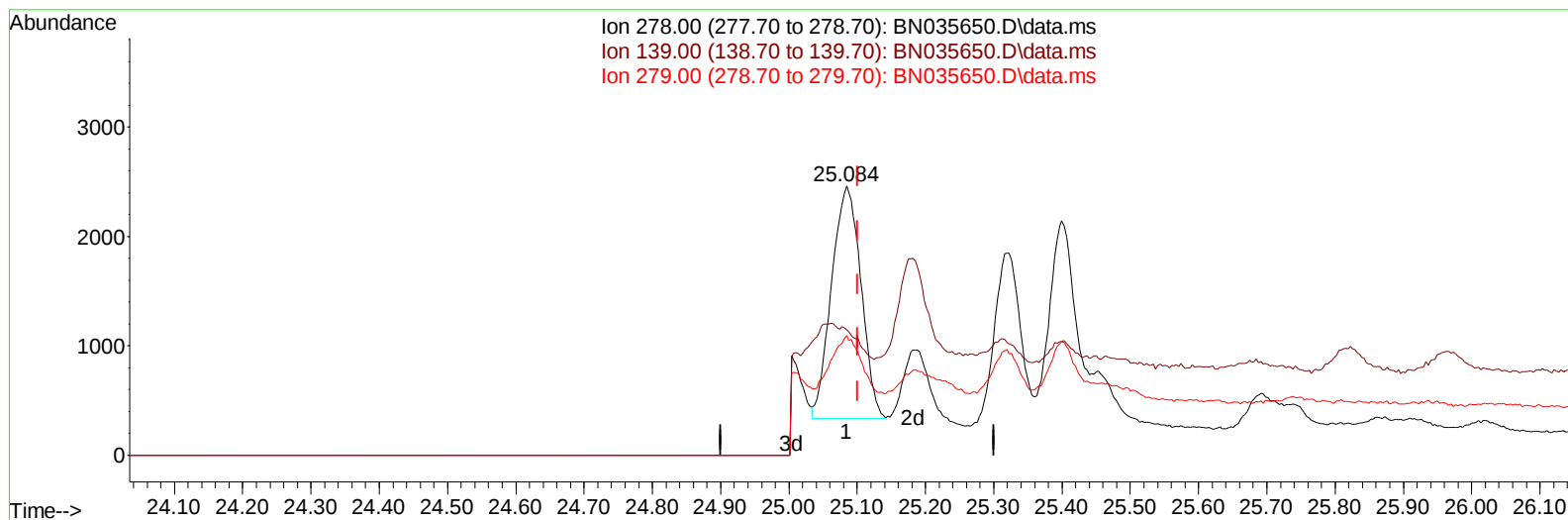
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035650.D
Acq On : 17 Dec 2024 12:24
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035650.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.17 ng/ul m

response 6362

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	46.59#
279.00	30.00	44.47#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035650.D
 Acq On : 17 Dec 2024 12:24
 Operator : RC/JU
 Sample : P5232-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	3395	0.400	ng/ul	0.00
4) Naphthalene-d8	10.026	136	10056	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	7459	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	15307	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	12988	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	14064m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	5881	1.954	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2652	0.185	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	6310	0.166	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	3362m	0.136	ng/ul	
7) 2-Methylnaphthalene	11.708	142	2038	0.123	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	830	0.048	ng/ul	96
10) Acenaphthylene	13.657	152	1888	0.065	ng/ul#	87
11) Acenaphthene	14.009	153	454	0.021	ng/ul#	91
12) Fluorene	15.013	166	533	0.021	ng/ul#	84
15) Phenanthrene	16.755	178	12110	0.316	ng/ul	100
16) Anthracene	16.844	178	3302	0.092	ng/ul#	91
19) Fluoranthene	18.800	202	28867	0.621	ng/ul	98
20) Pyrene	19.163	202	29621	0.579	ng/ul	99
21) Benzo(a)anthracene	20.944	228	20060	0.466	ng/ul	94
22) Chrysene	20.997	228	26983m	0.604	ng/ul	
24) Benzo(b)fluoranthene	22.440	252	43866m	1.058	ng/ul	
25) Benzo(k)fluoranthene	22.478	252	17013m	0.371	ng/ul	
26) Benzo(a)pyrene	22.957	252	33048	0.823	ng/ul	92
27) Indeno(1,2,3-cd)pyrene	25.078	276	26691m	0.546	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	6362m	0.170	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	34112	0.870	ng/ul	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Acq On : 17 Dec 2024 12:24
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Sample : P5232-01
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 17 13:45:42 2024
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