

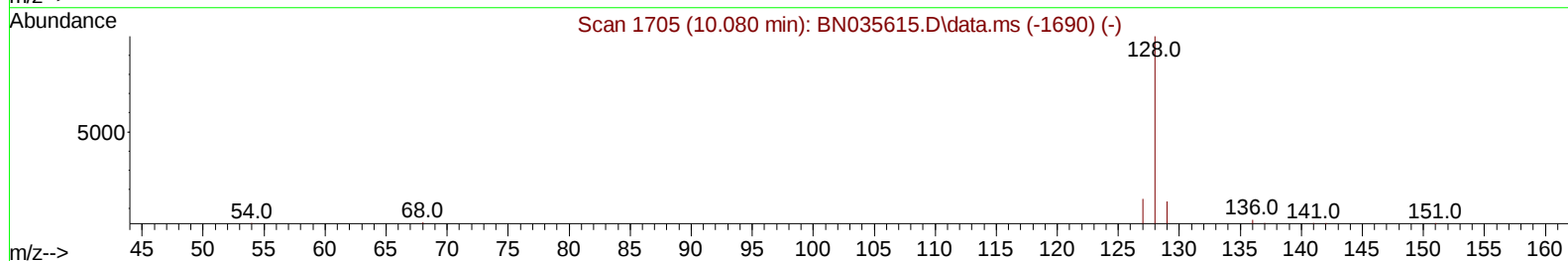
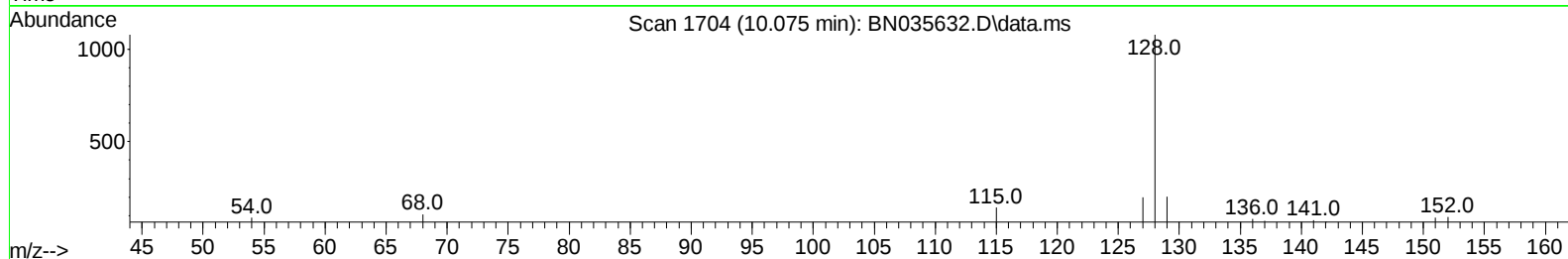
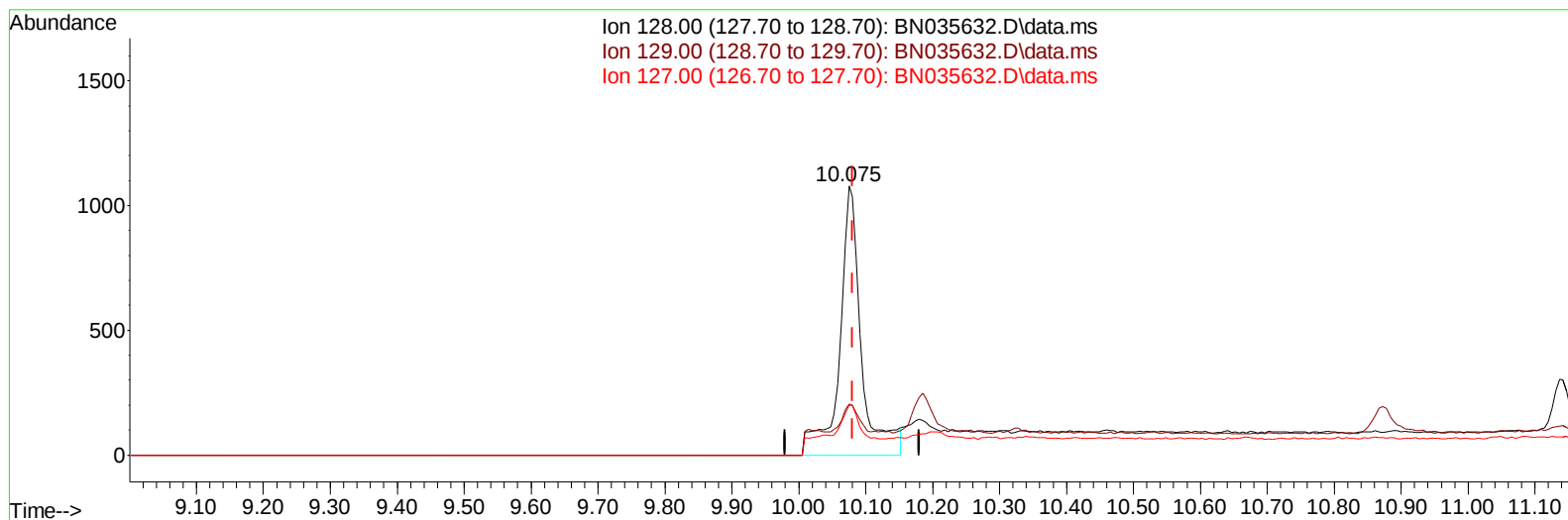
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 01:15:05 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: BN035632.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.15 ng/u1

response 2392

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	18.92#
127.00	15.00	18.55#
0.00	0.00	0.00

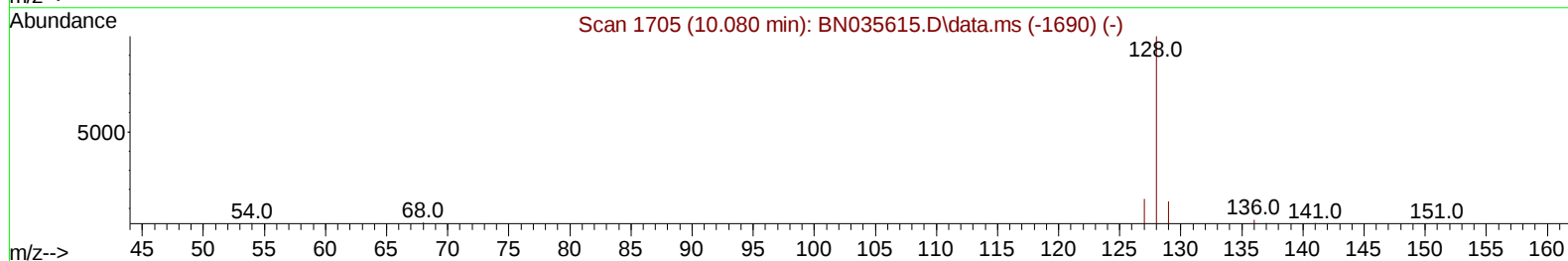
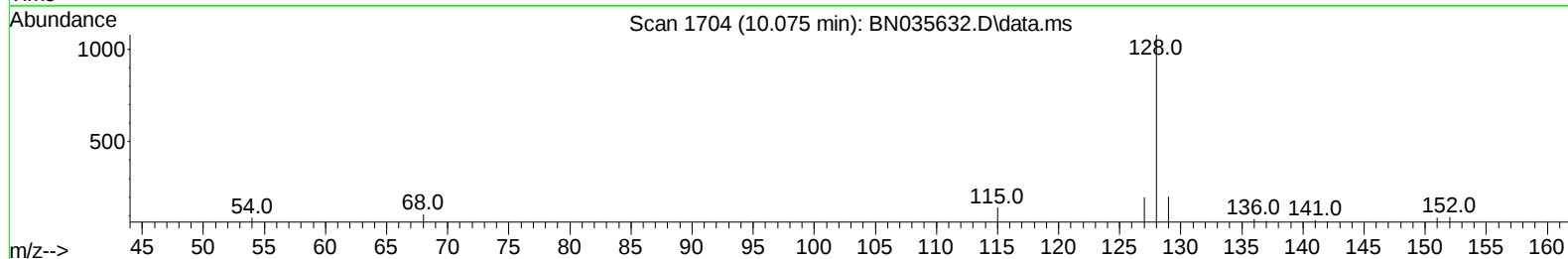
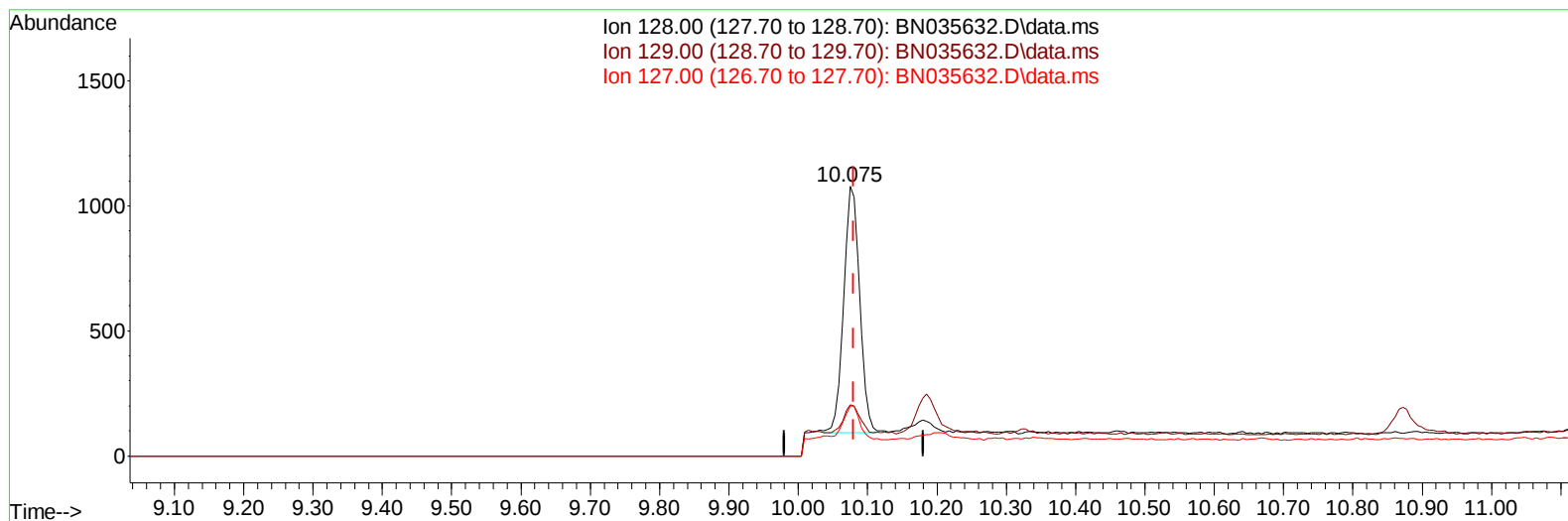
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 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: BN035632.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.10 ng/ul m

response 1578

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	18.92#
127.00	15.00	18.55#
0.00	0.00	0.00

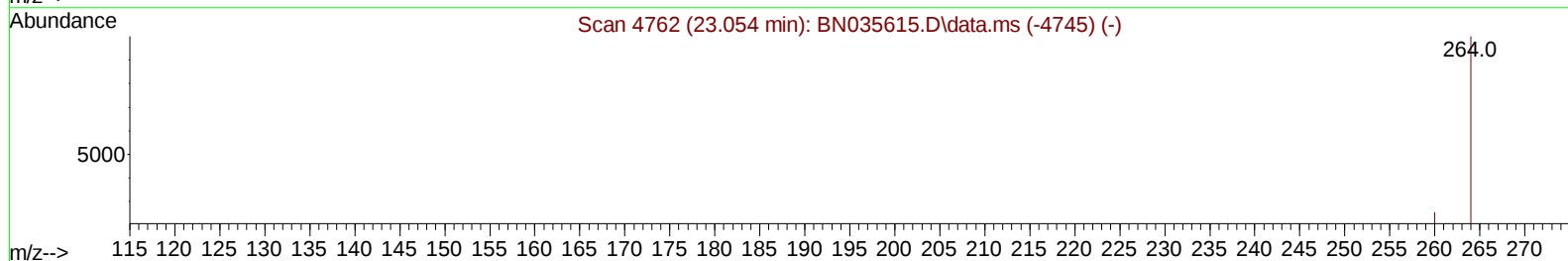
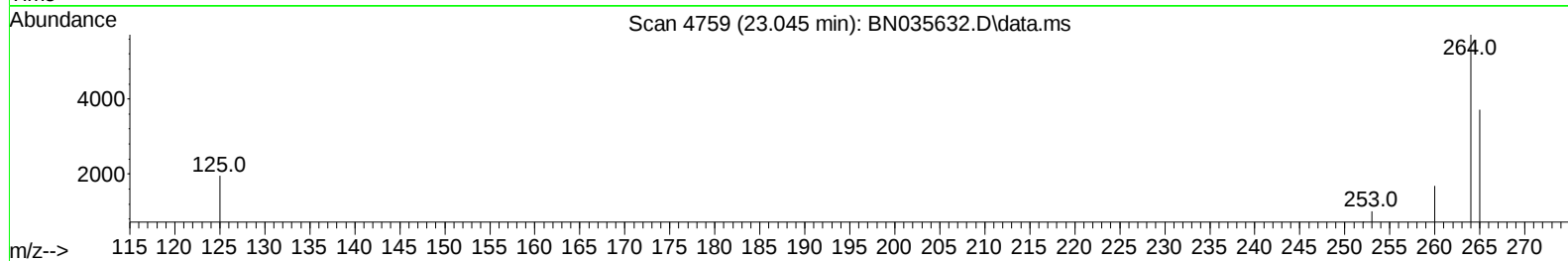
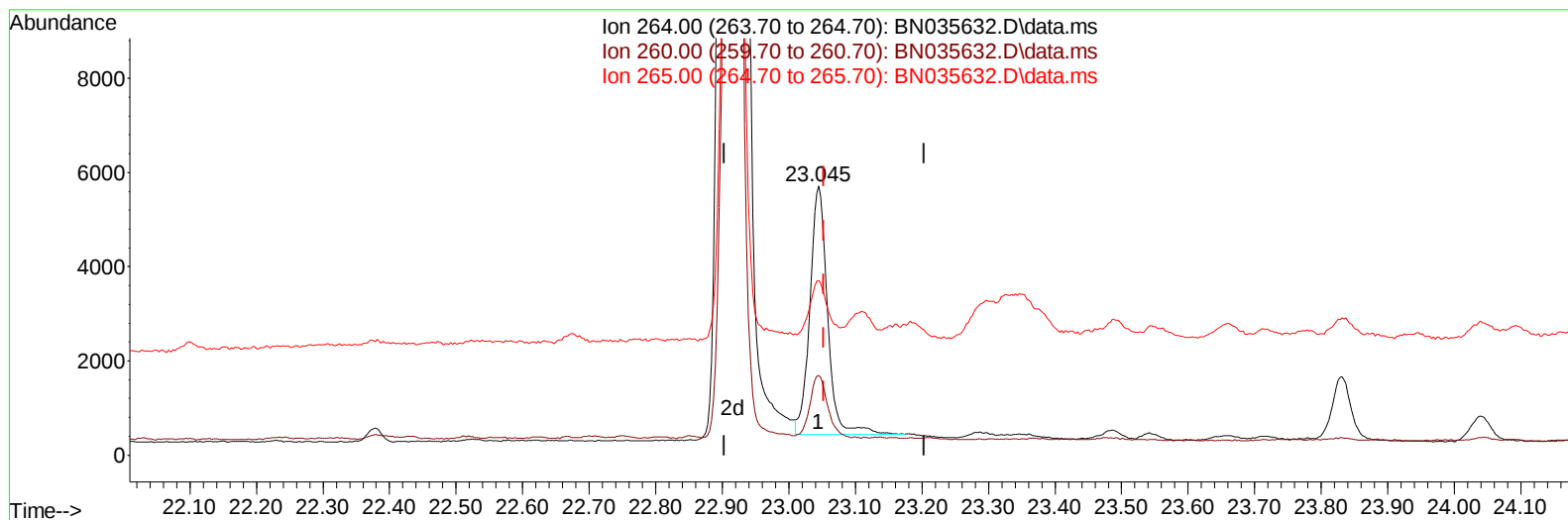
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
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Instrument :
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Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035632.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/u1

response 9767

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.50
265.00	62.10	65.03
0.00	0.00	0.00

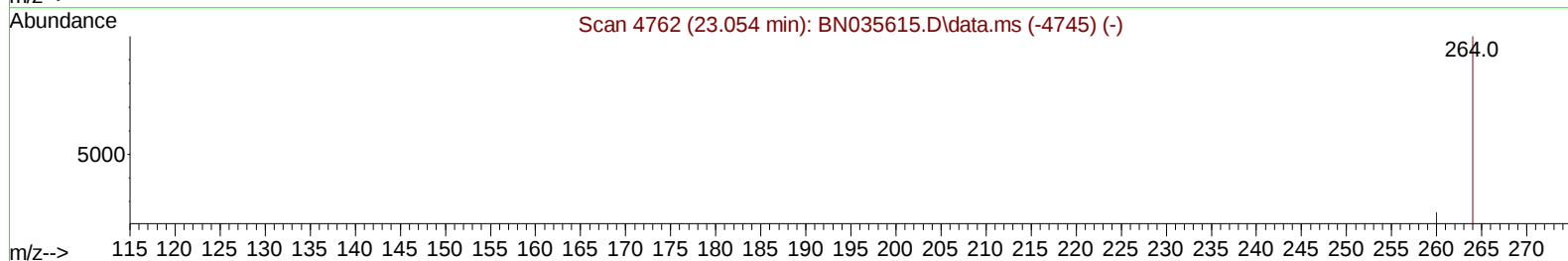
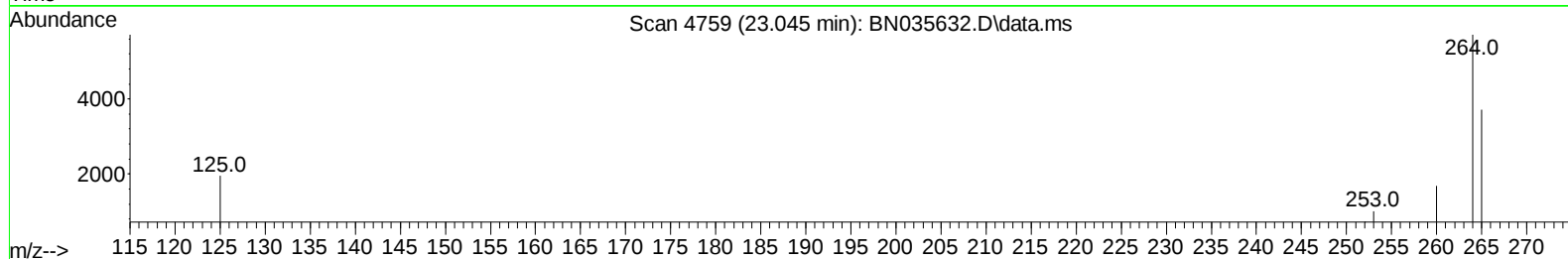
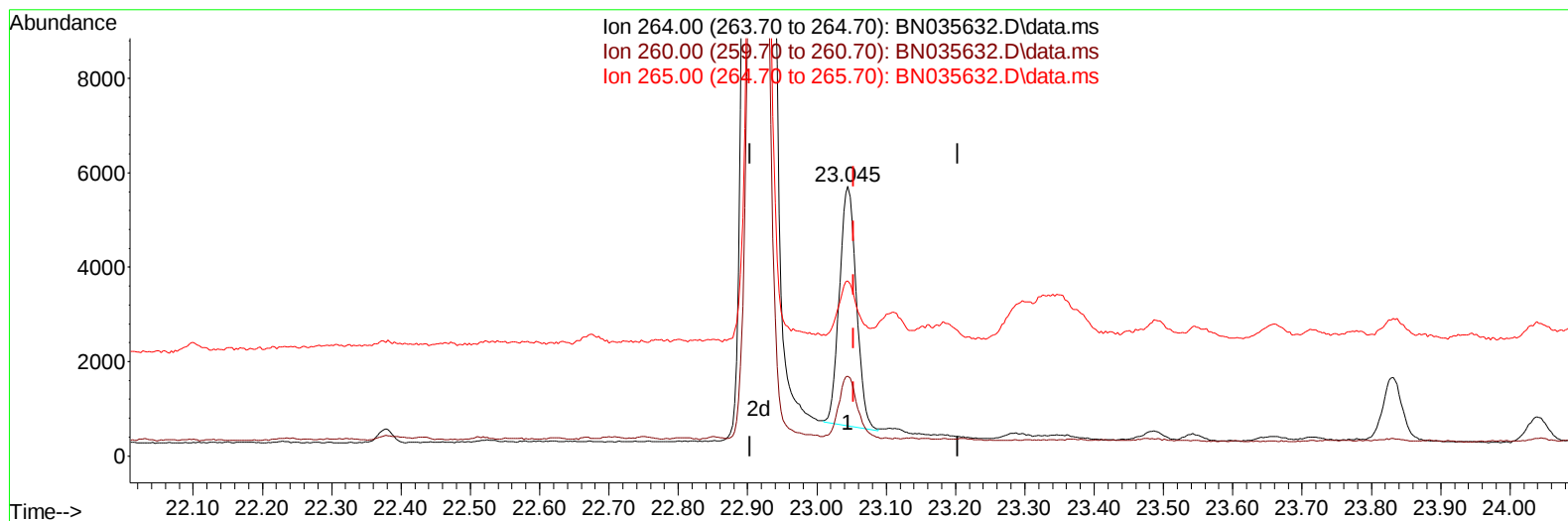
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035632.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/u1 m

response 8539

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.50
265.00	62.10	65.03
0.00	0.00	0.00

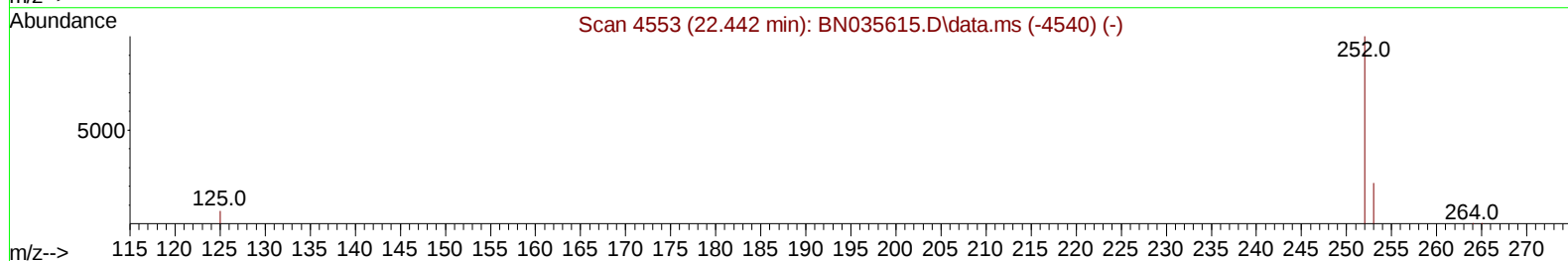
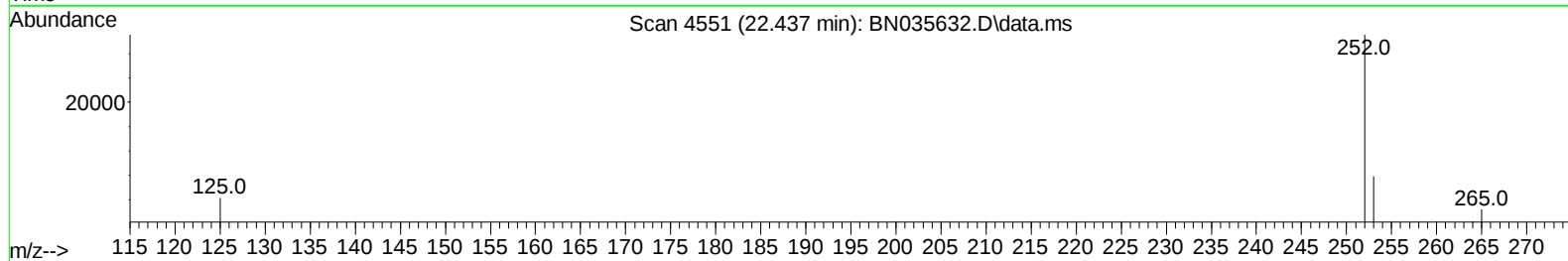
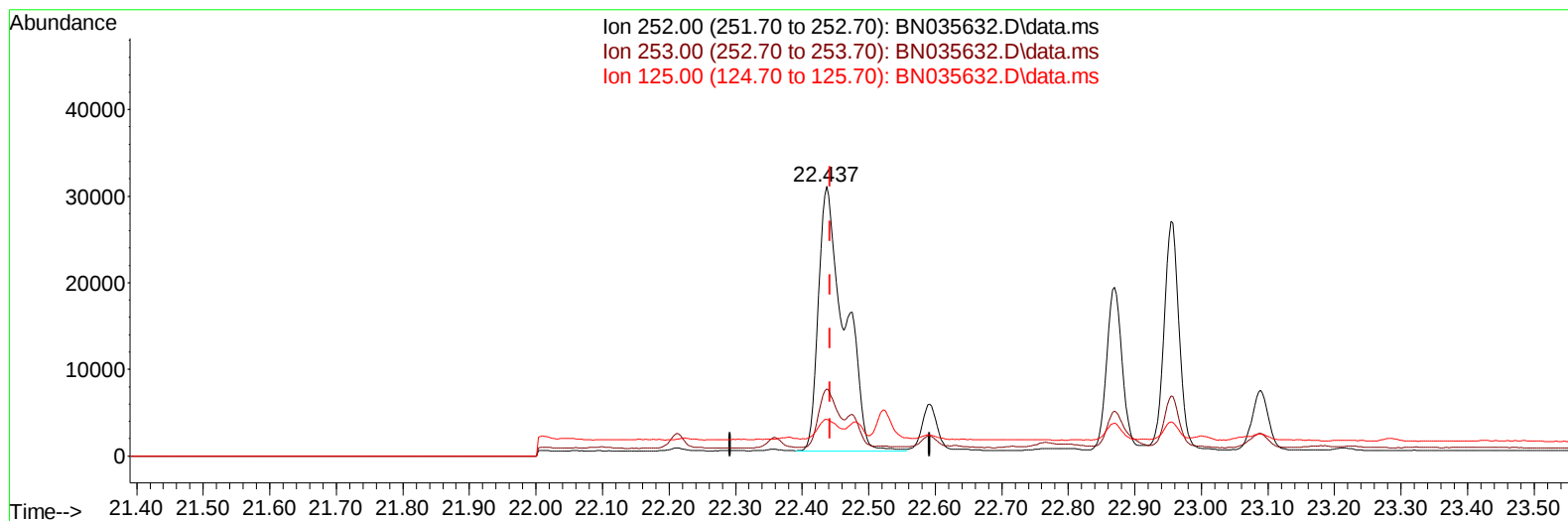
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

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



TIC: BN035632.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 3.27 ng/u1

response 82395

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	24.97
125.00	18.80	13.57
0.00	0.00	0.00

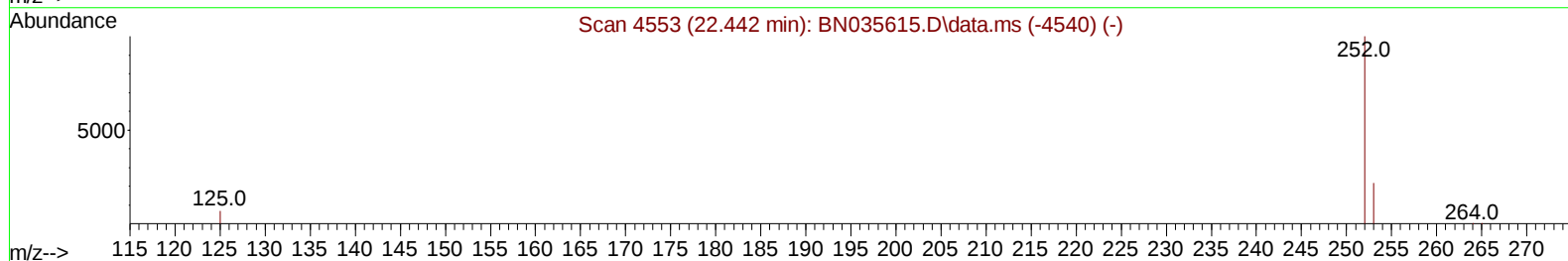
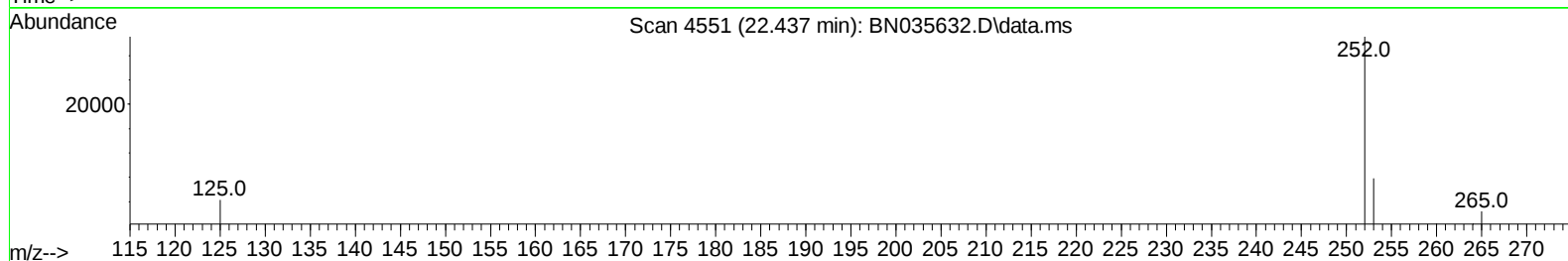
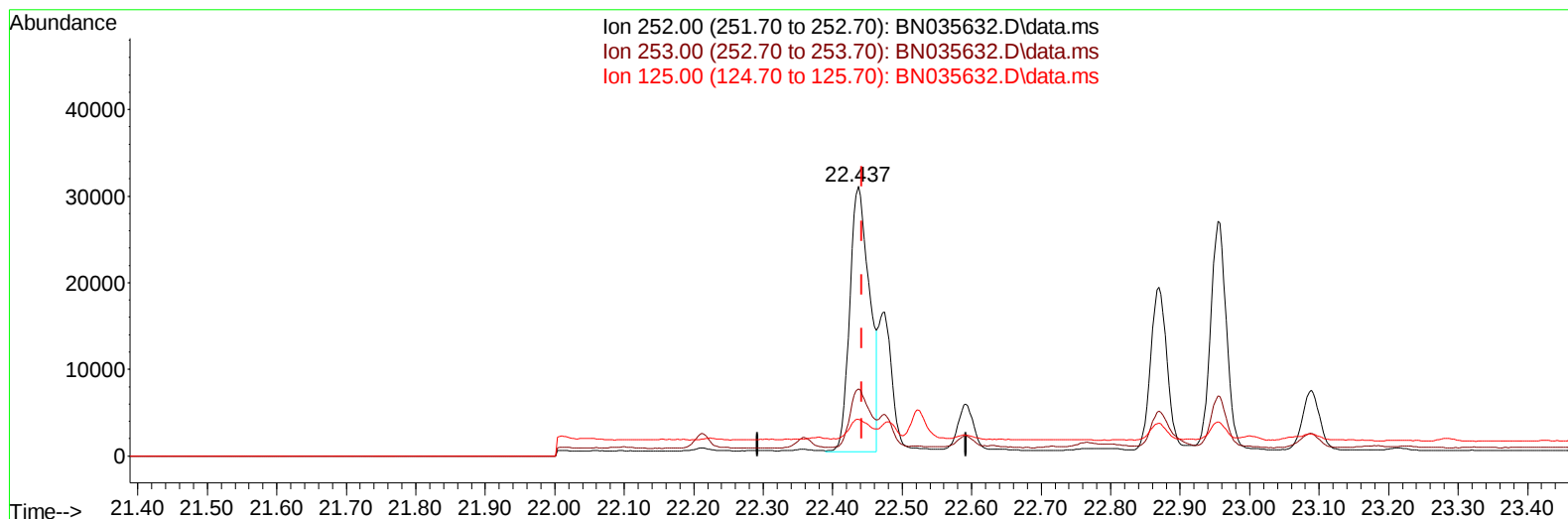
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 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: BN035632.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 2.42 ng/u1 m

response 60849

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	24.97
125.00	18.80	13.57
0.00	0.00	0.00

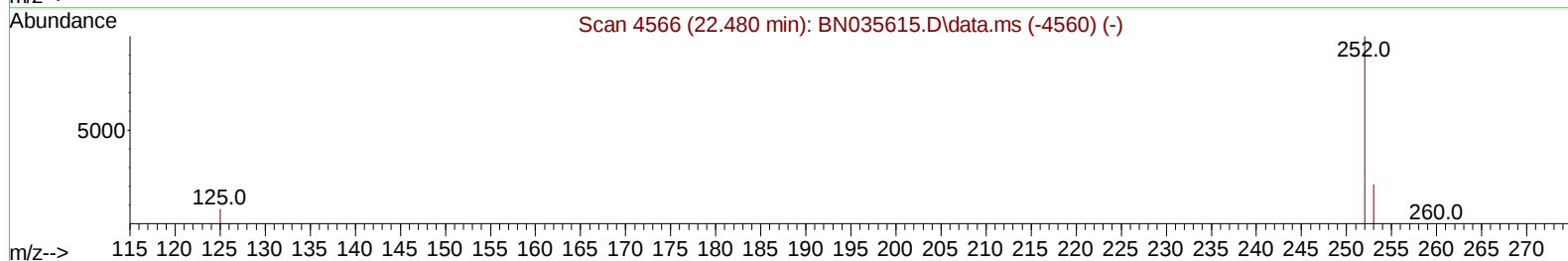
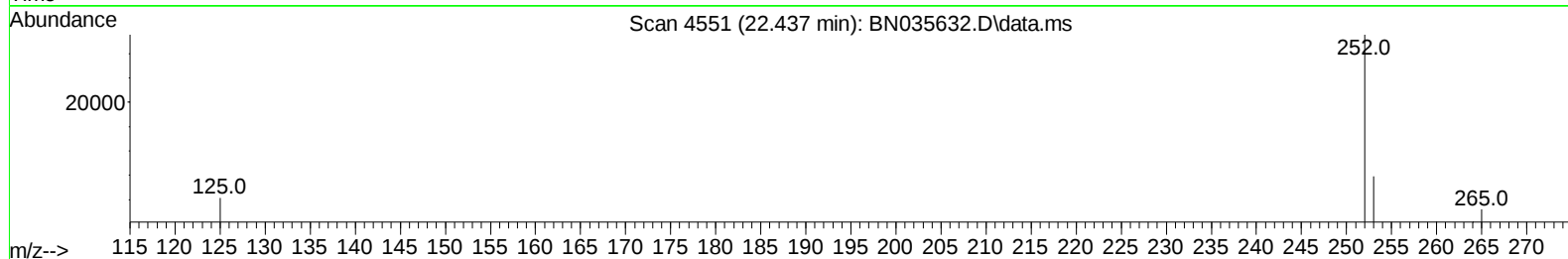
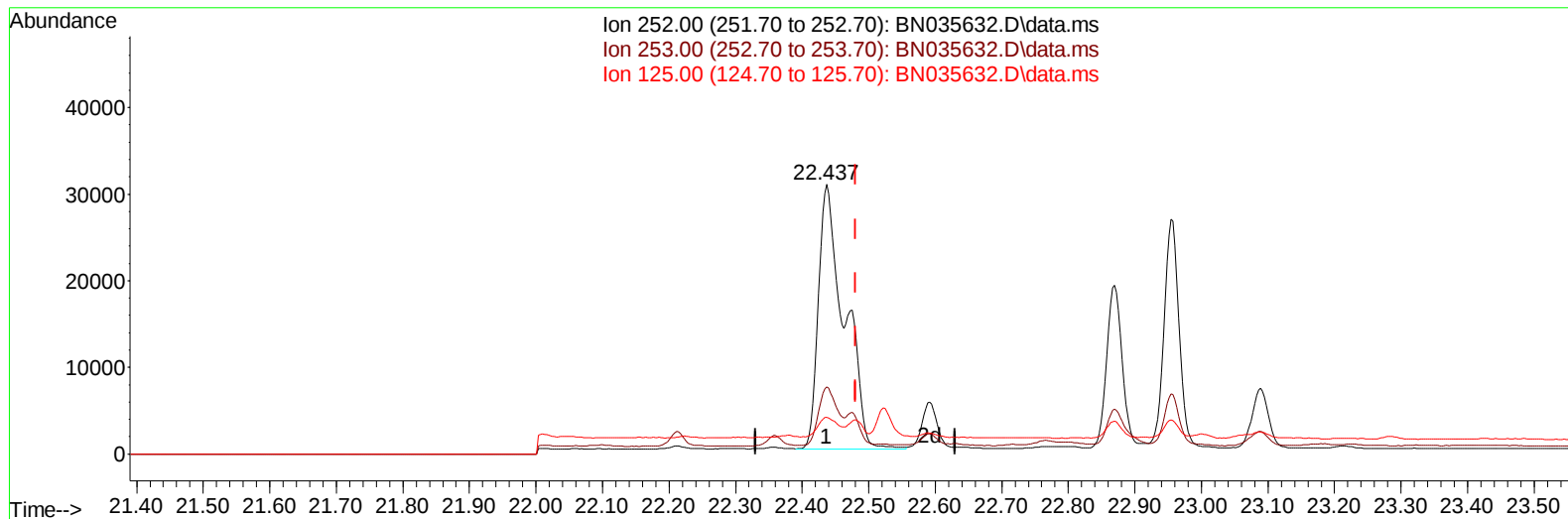
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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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: BN035632.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 2.96 ng/u1

response 82395

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	24.97
125.00	19.10	13.57#
0.00	0.00	0.00

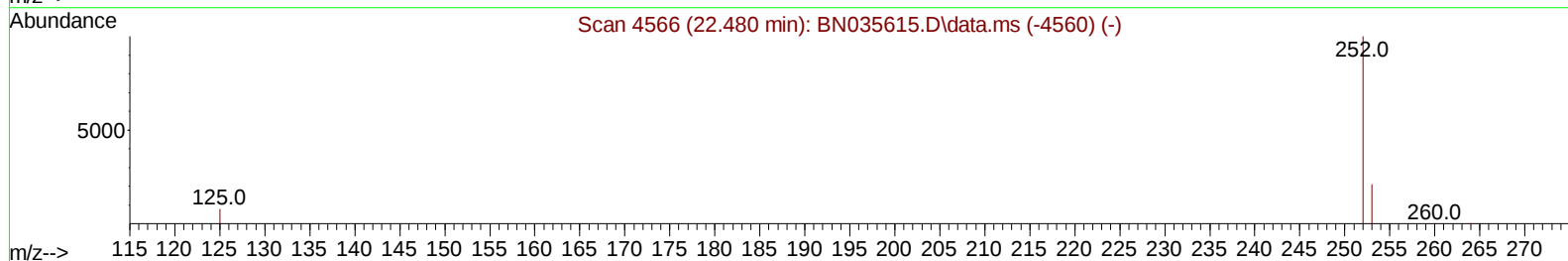
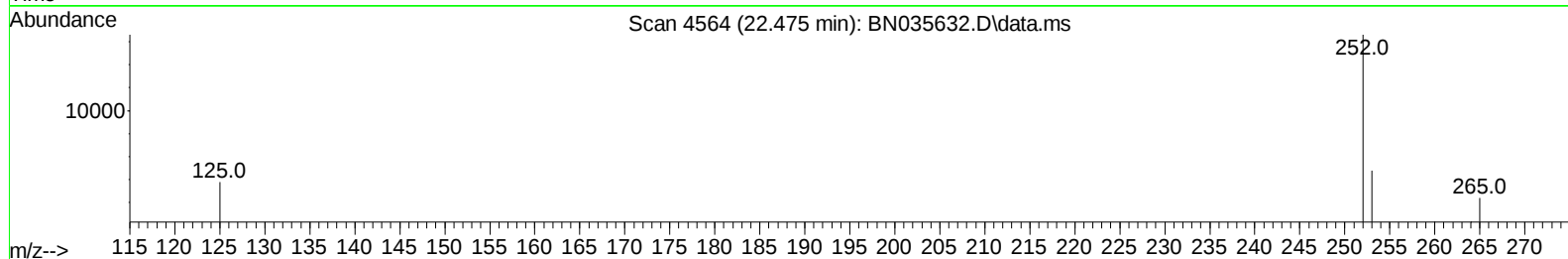
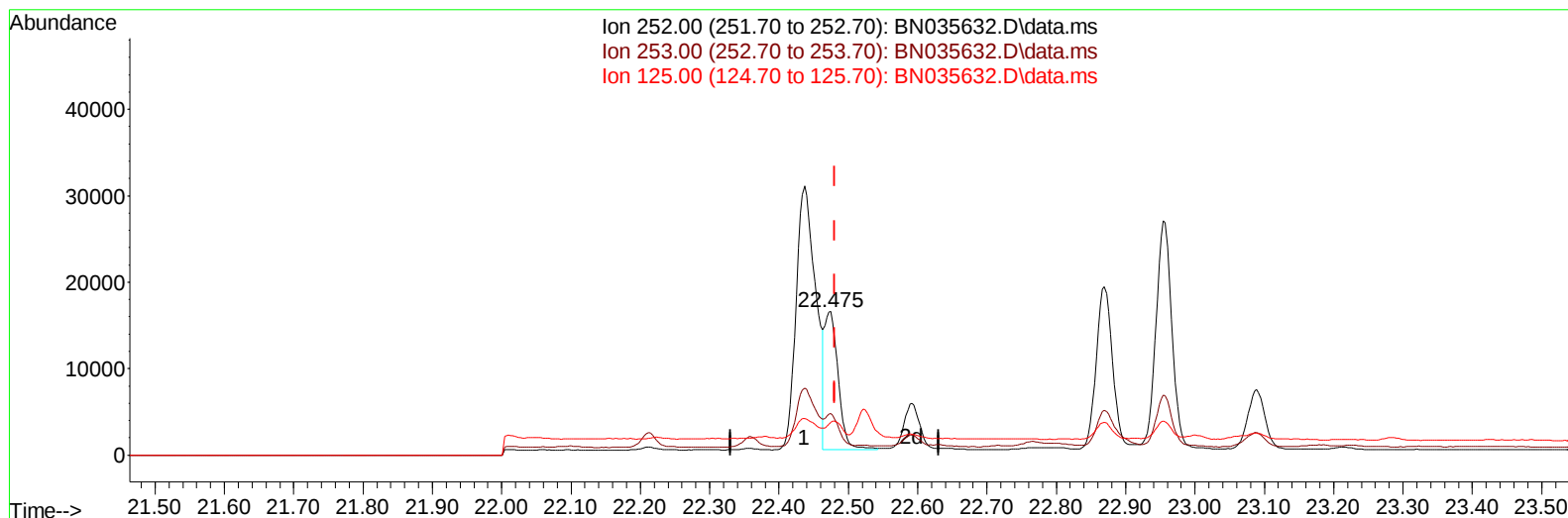
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 01:15:05 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: BN035632.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.006) 0.77 ng/u1 m

response 21499

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	28.76
125.00	19.10	22.73
0.00	0.00	0.00

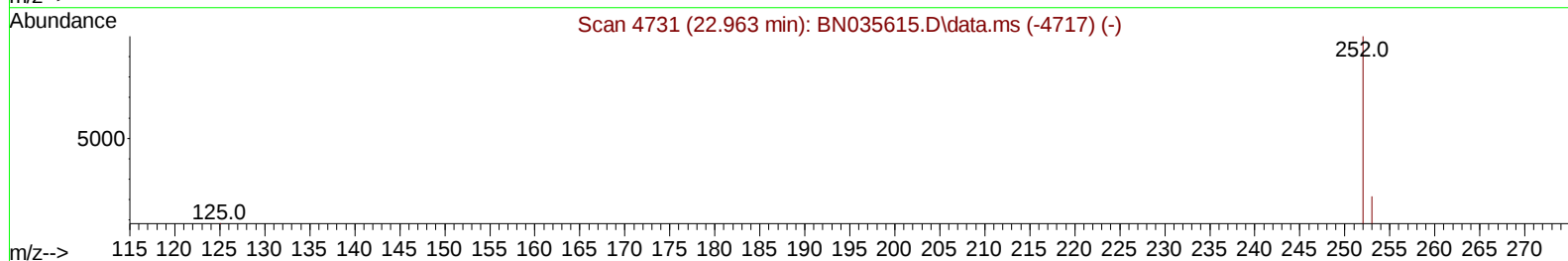
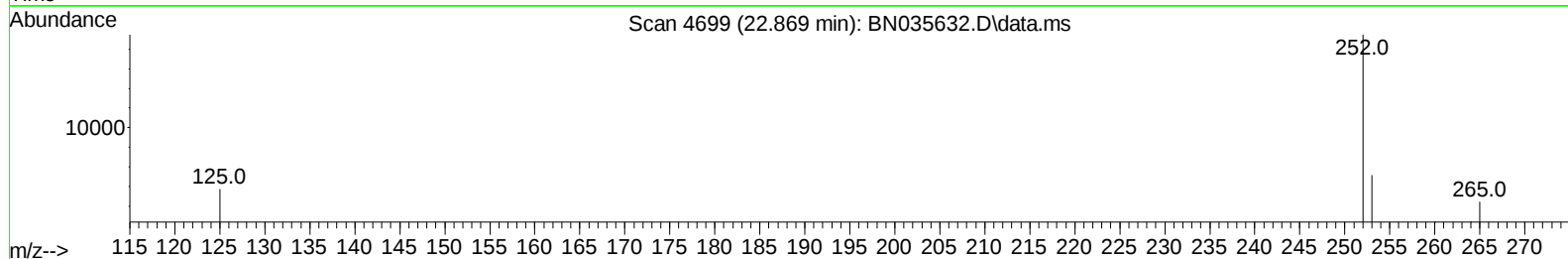
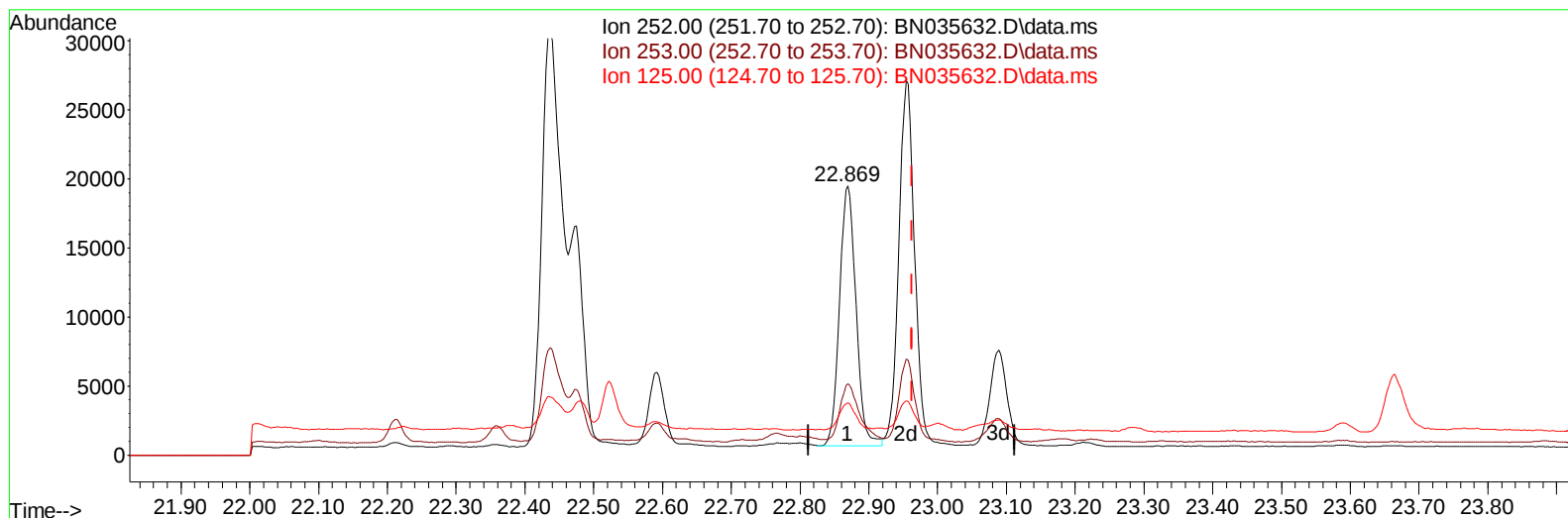
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035632.D\data.ms

(26) Benzo(a)pyrene (C)

22.869min (-0.093) 1.29 ng/u1

response 31429

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	26.59
125.00	23.90	19.36
0.00	0.00	0.00

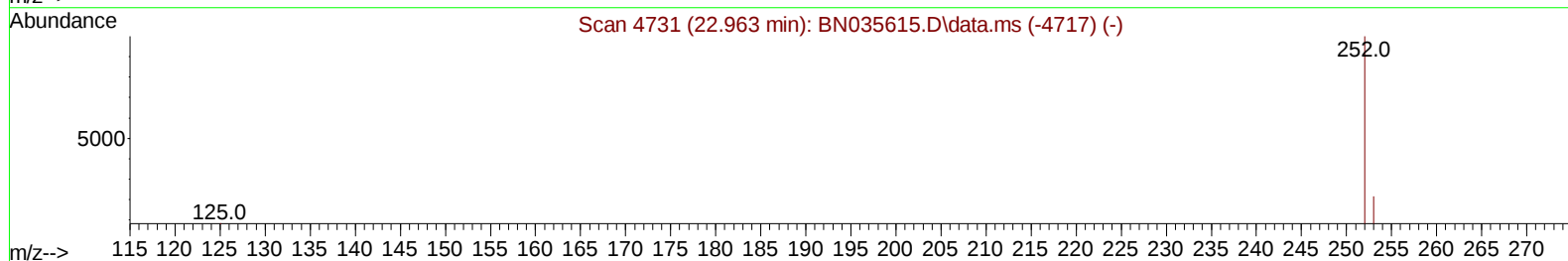
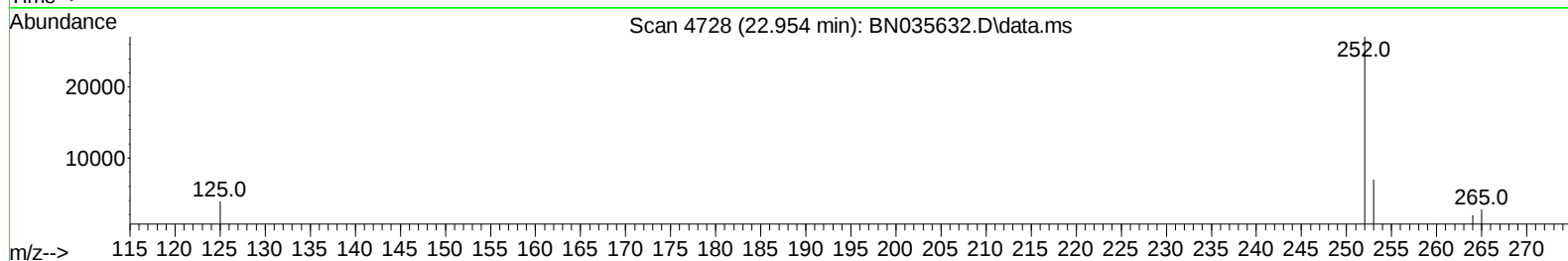
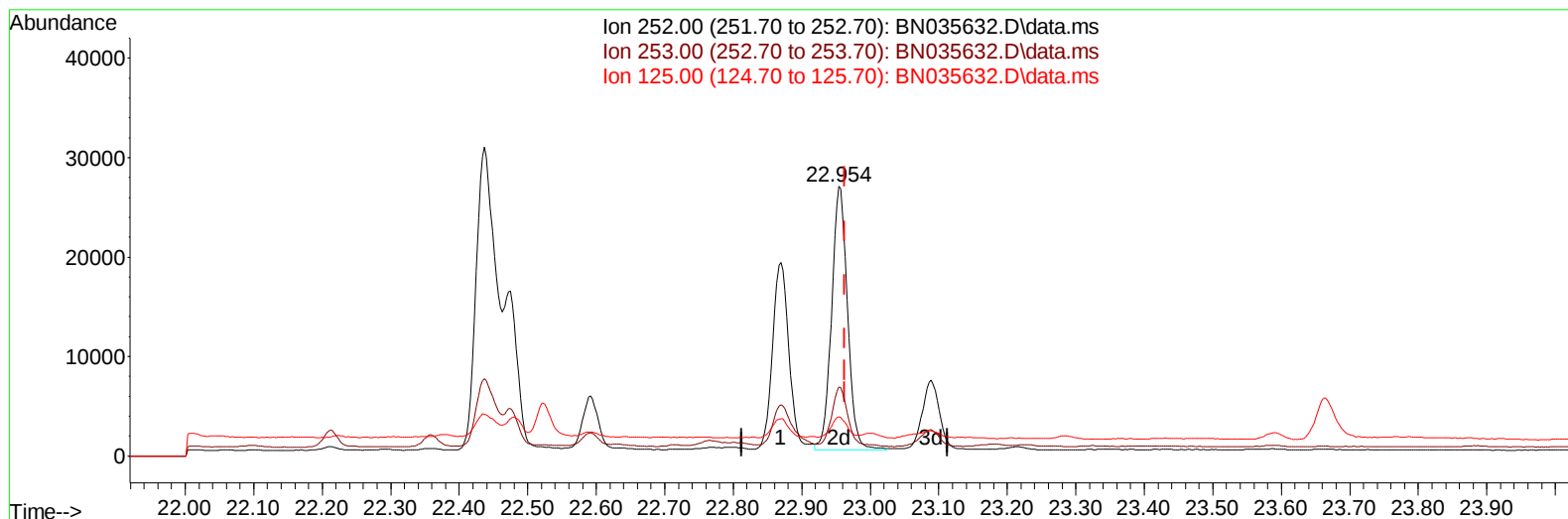
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Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

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



TIC: BN035632.D\data.ms

(26) Benzo(a)pyrene (C)

22.954min (-0.009) 1.75 ng/u1 m

response 42589

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	25.69
125.00	23.90	14.46#
0.00	0.00	0.00

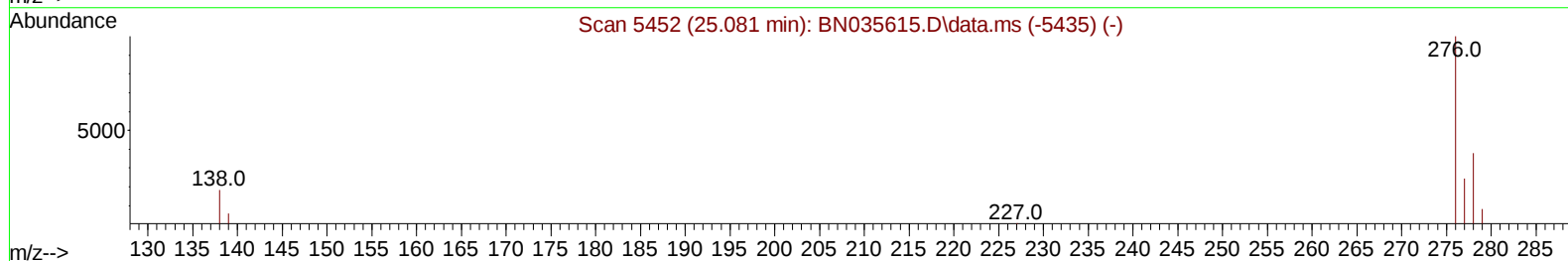
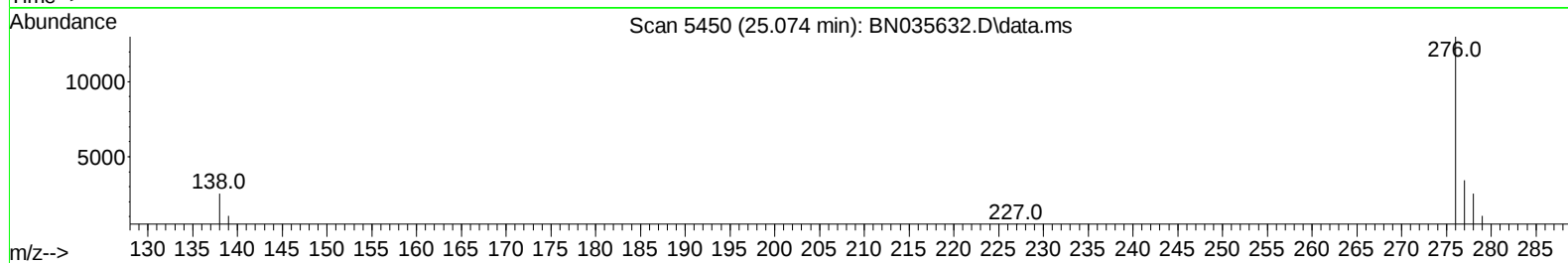
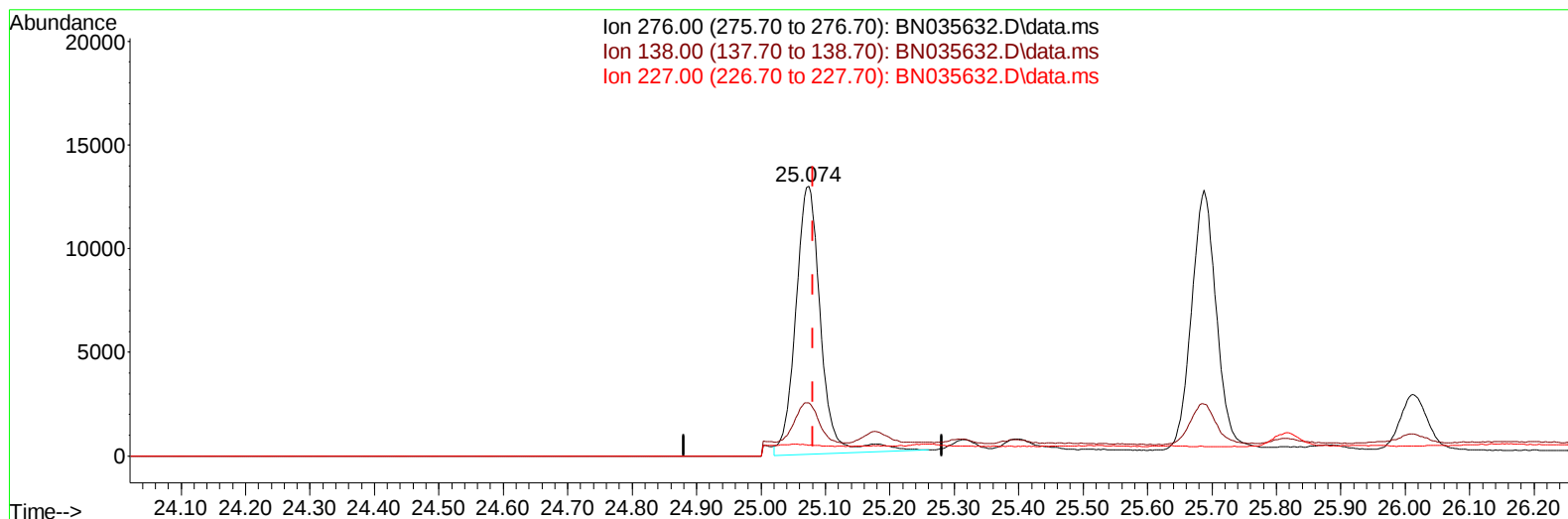
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
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Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035632.D\data.ms

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

25.074min (-0.007) 1.19 ng/u1

response 35175

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	17.85
227.00	27.00	0.00#
0.00	0.00	0.00

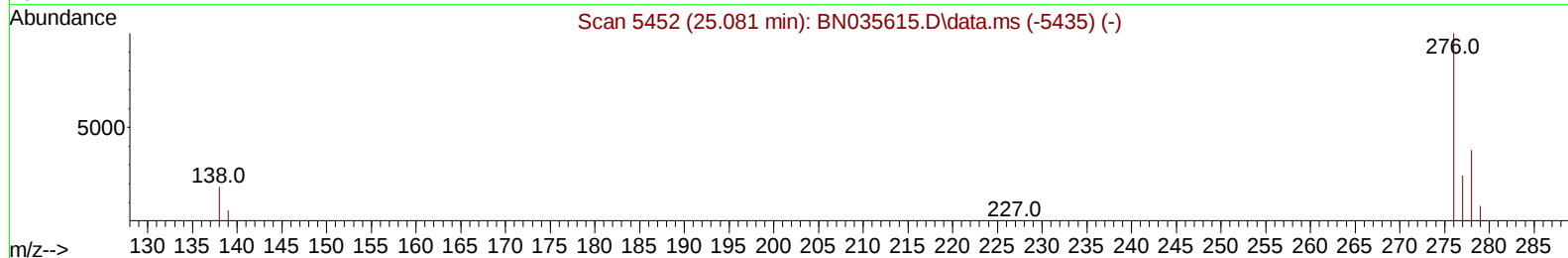
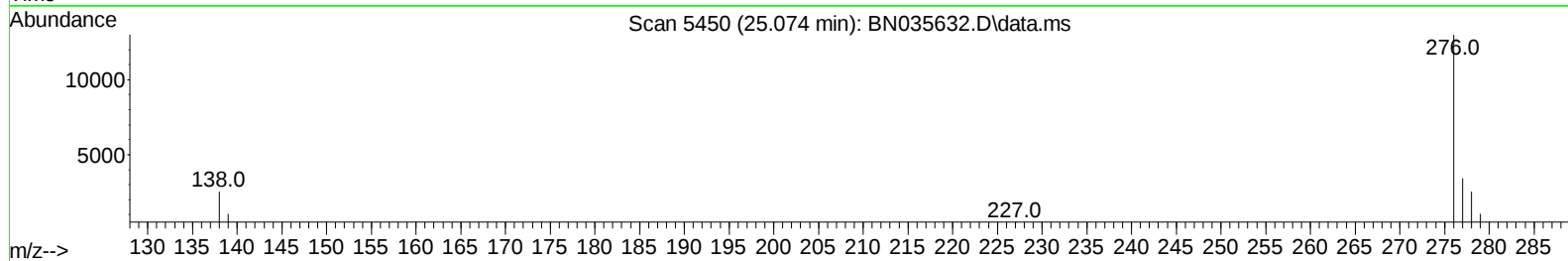
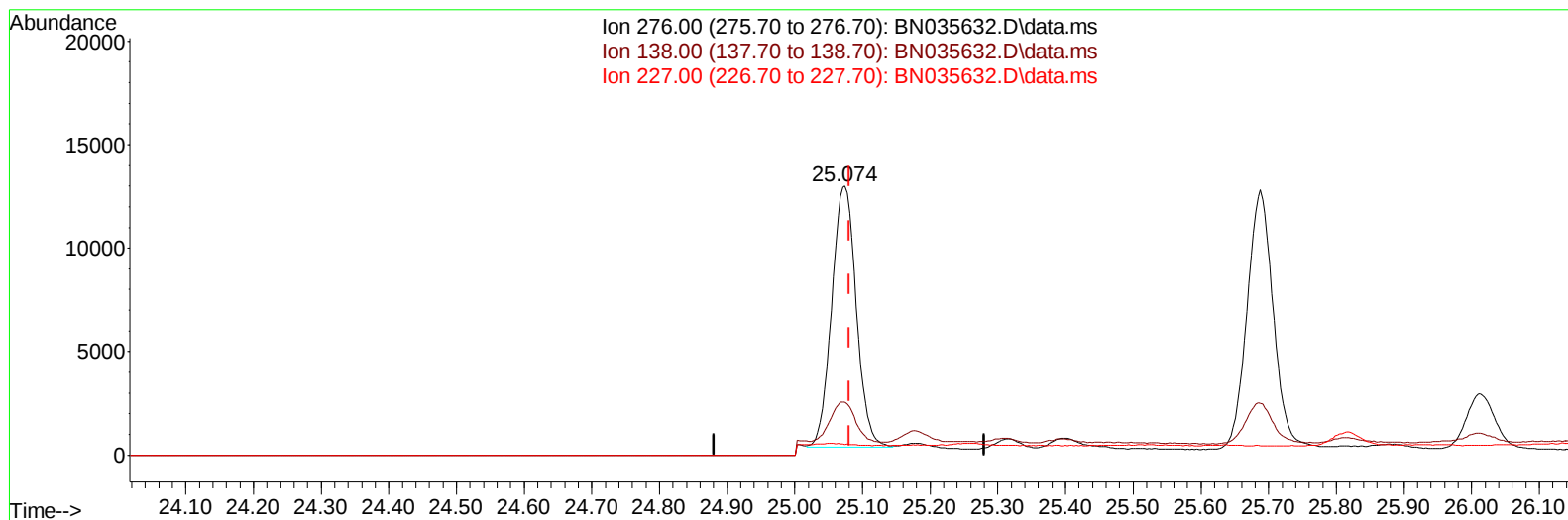
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035632.D\data.ms

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

25.074min (-0.007) 1.07 ng/u1 m

response 31777

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	19.75
227.00	27.00	0.00#
0.00	0.00	0.00

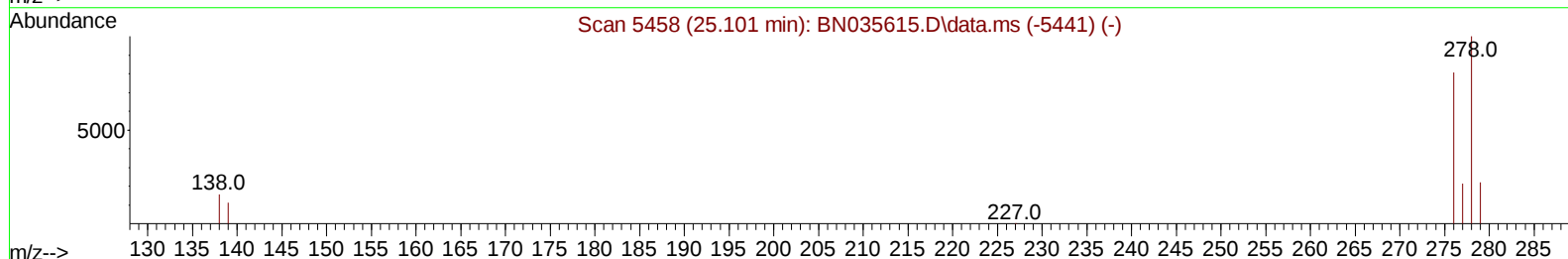
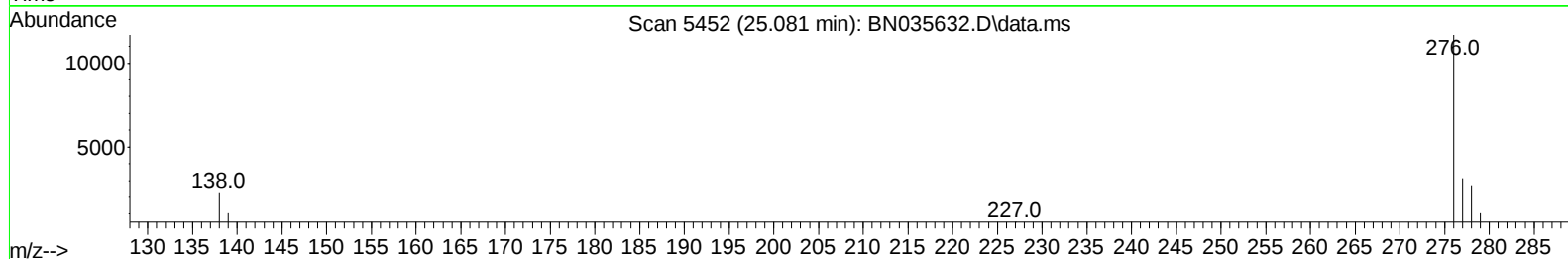
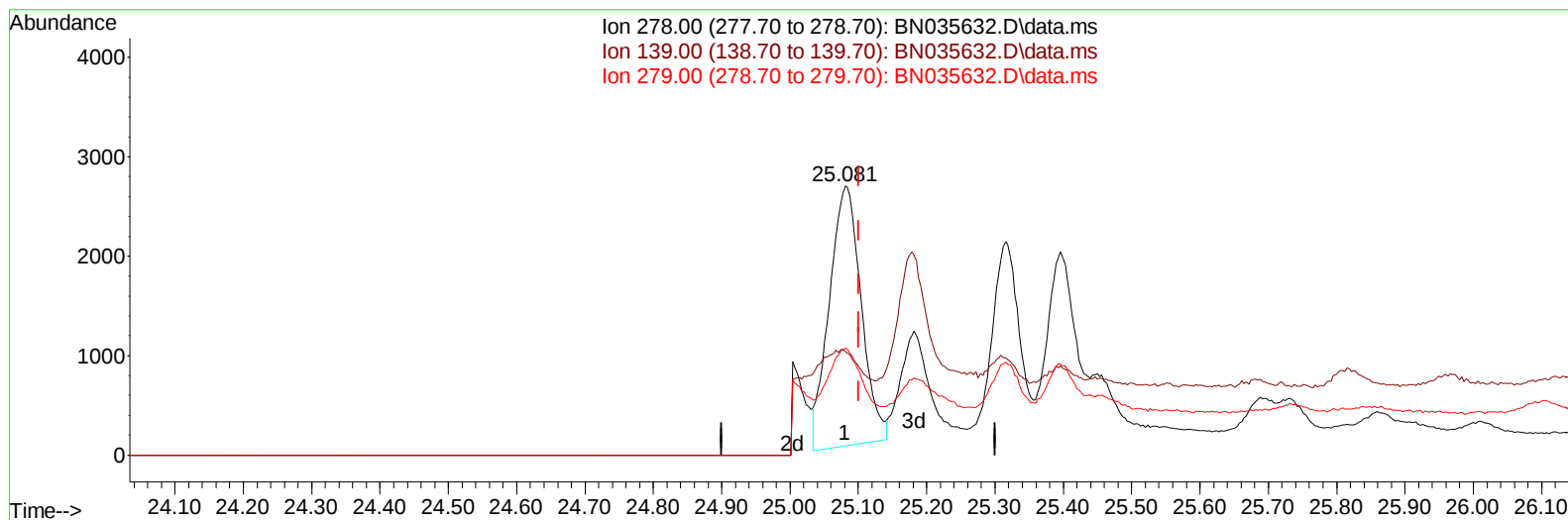
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035632.D\data.ms

(28) Dibenzo(a,h)anthracene

25.081min (-0.020) 0.37 ng/u1

response 8478

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	38.60#
279.00	30.00	39.63#
0.00	0.00	0.00

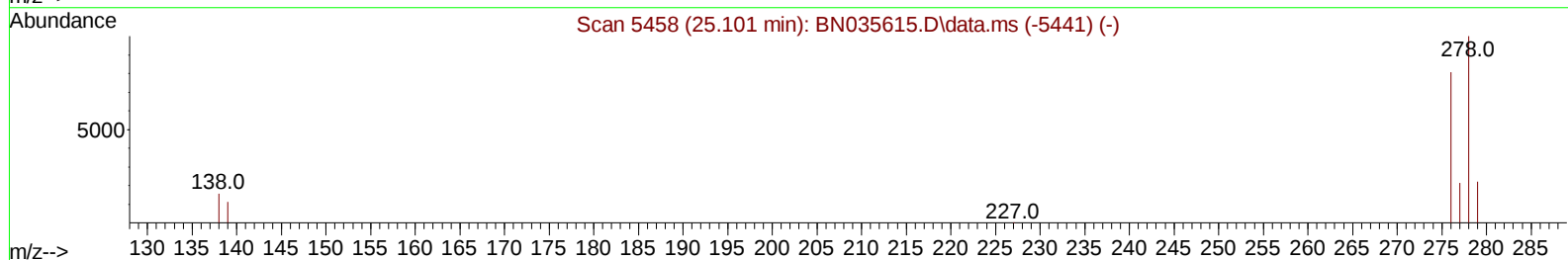
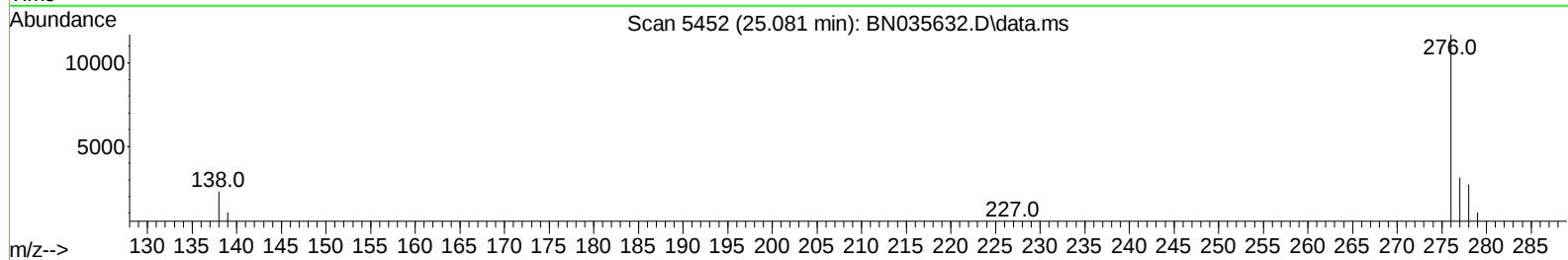
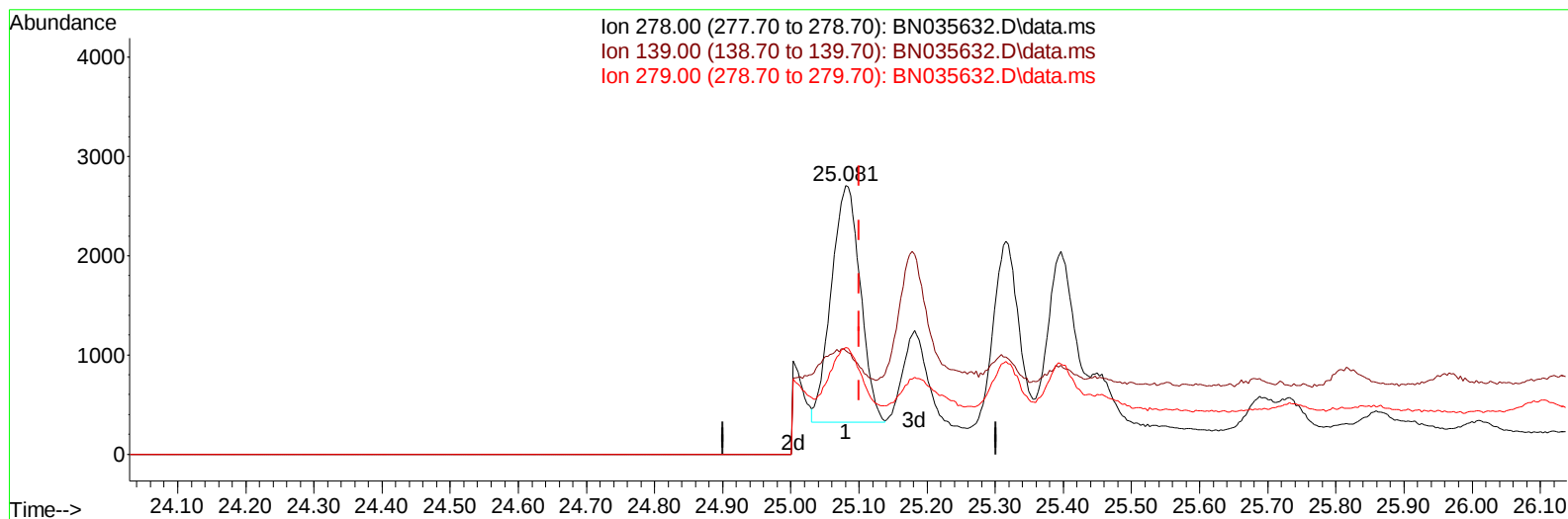
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035632.D
Acq On : 17 Dec 2024 00:48
Operator : RC/JU
Sample : P5232-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S1

Manual IntegrationsAPPROVED

Quant Time: Dec 17 01:15:05 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: BN035632.D\data.ms

(28) Dibenzo(a,h)anthracene

25.081min (-0.020) 0.31 ng/ul m

response 7057

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	38.60#
279.00	30.00	39.63#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035632.D
 Acq On : 17 Dec 2024 00:48
 Operator : RC/JU
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2124	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	6380	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	4349	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	9586	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	8215	0.400	ng/ul	# 0.00
23) Perylene-d12	23.045	264	8539m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	5318	2.824	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	1462	0.161	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	3240	0.135	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.075	128	1578m	0.101	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1081	0.103	ng/ul	100
8) 1-Methylnaphthalene	11.934	142	815	0.075	ng/ul	100
10) Acenaphthylene	13.657	152	4227	0.251	ng/ul	96
11) Acenaphthene	14.009	153	1433	0.113	ng/ul	97
12) Fluorene	15.013	166	1665	0.112	ng/ul#	95
15) Phenanthrene	16.755	178	33050	1.378	ng/ul	99
16) Anthracene	16.848	178	8601	0.384	ng/ul	97
19) Fluoranthene	18.795	202	86027	2.928	ng/ul	98
20) Pyrene	19.167	202	75265	2.325	ng/ul	96
21) Benzo(a)anthracene	20.944	228	39234	1.440	ng/ul	96
22) Chrysene	20.993	228	40892	1.446	ng/ul	97
24) Benzo(b)fluoranthene	22.437	252	60849m	2.418	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	21499m	0.772	ng/ul	
26) Benzo(a)pyrene	22.954	252	42589m	1.747	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	31777m	1.071	ng/ul	
28) Dibenzo(a,h)anthracene	25.081	278	7057m	0.311	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	34548	1.451	ng/ul#	93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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