

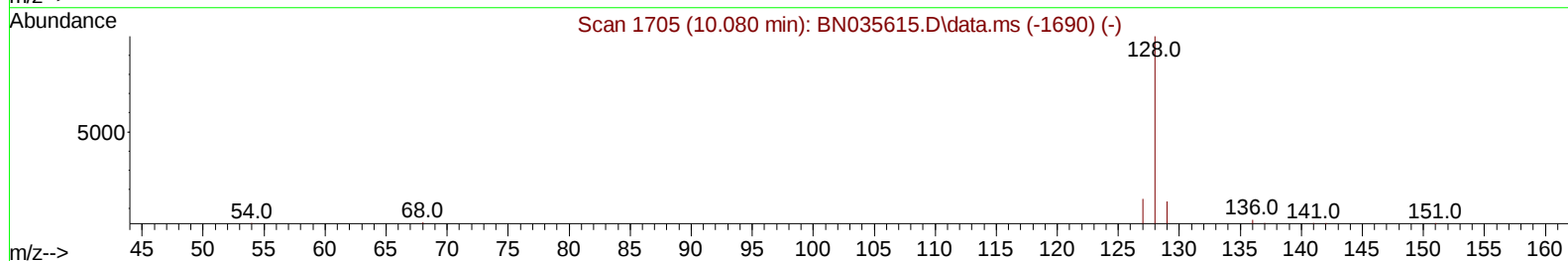
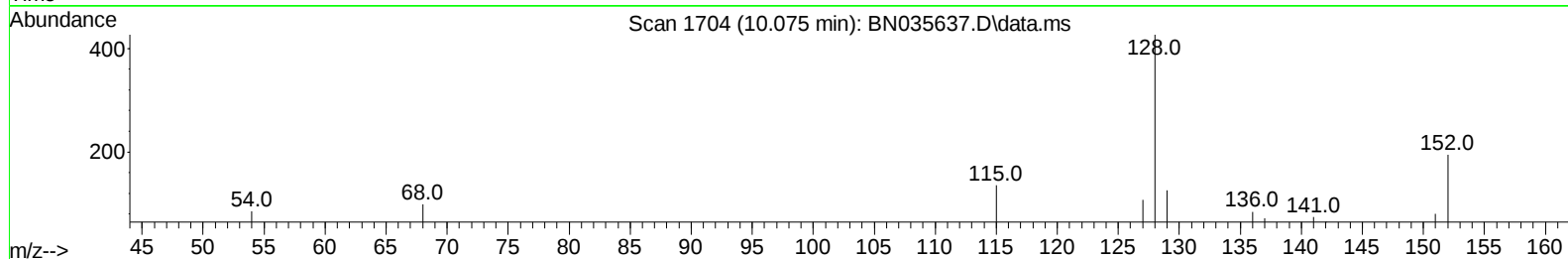
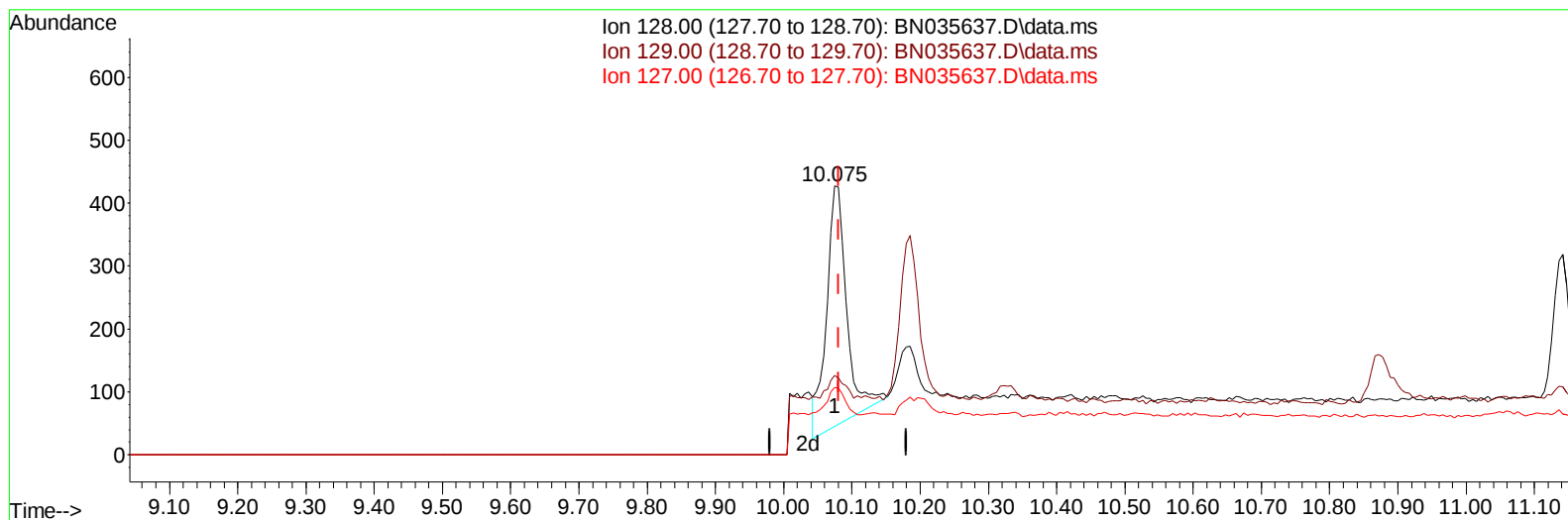
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.04 ng/u1

response 788

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.51#
127.00	15.00	25.06#
0.00	0.00	0.00

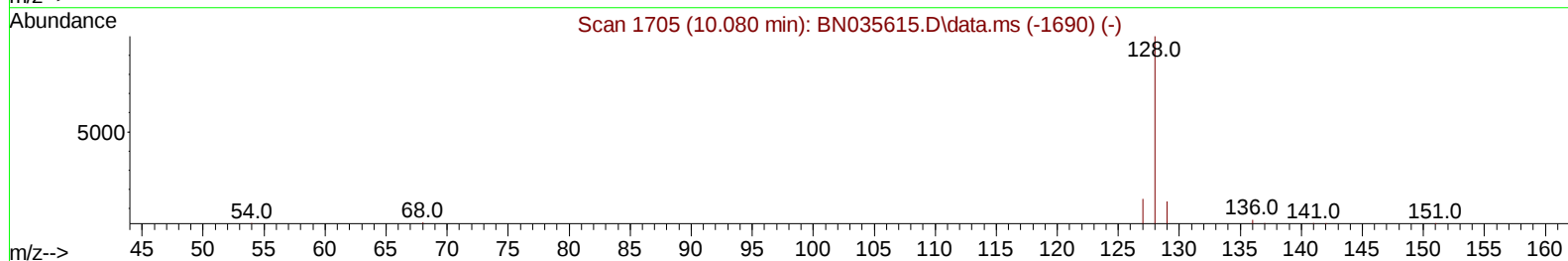
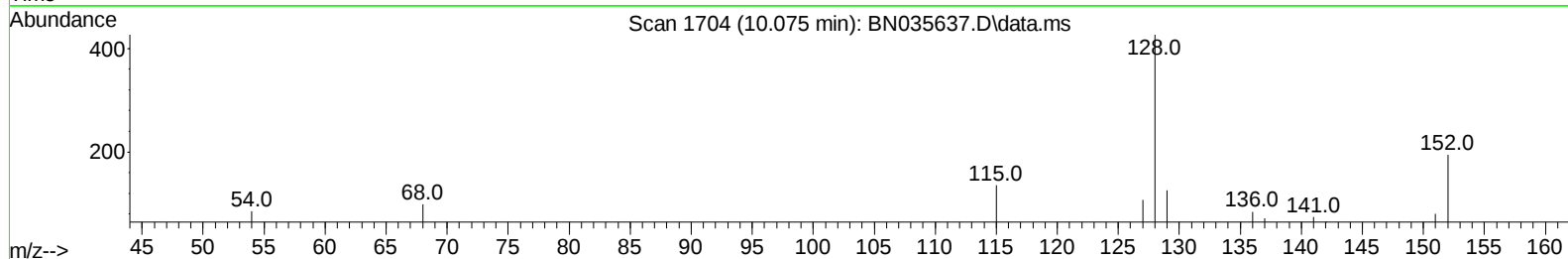
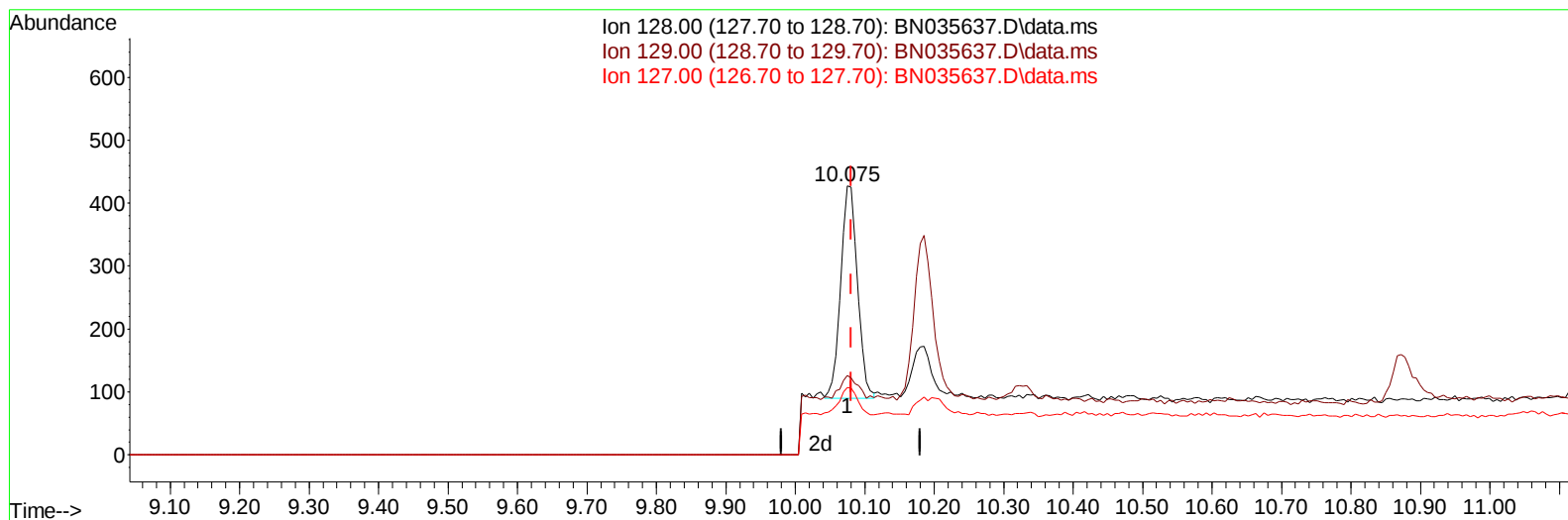
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.03 ng/u1 m

response 568

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.51#
127.00	15.00	25.06#
0.00	0.00	0.00

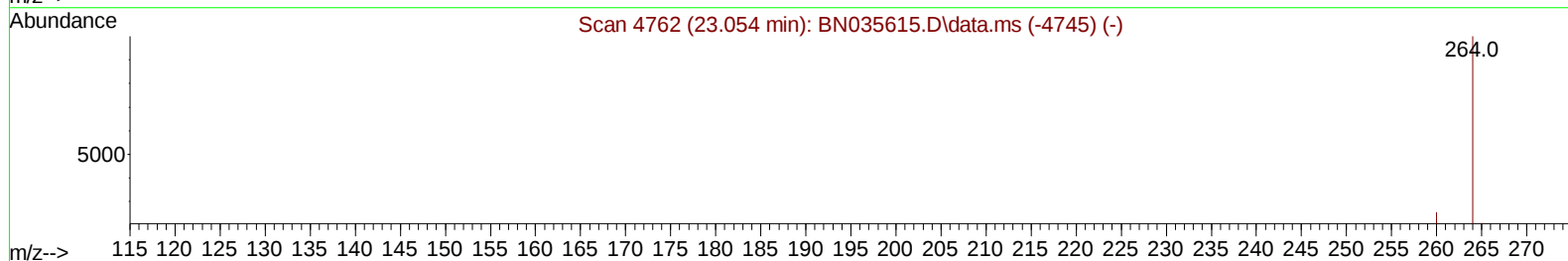
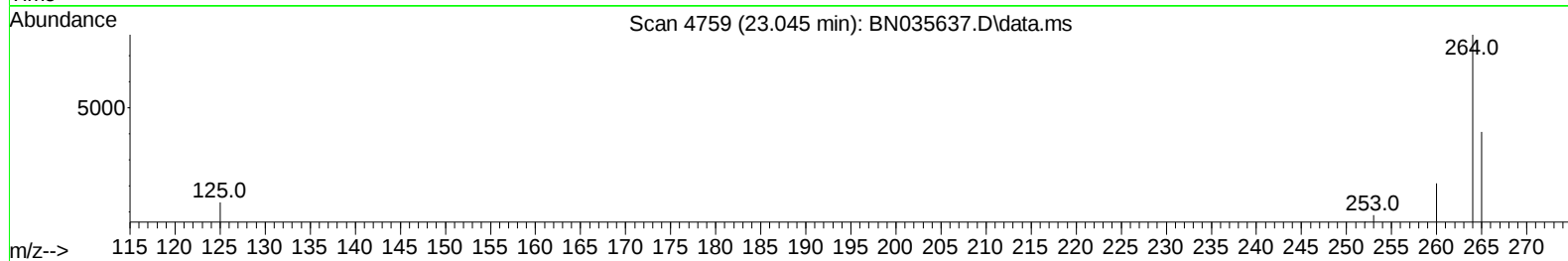
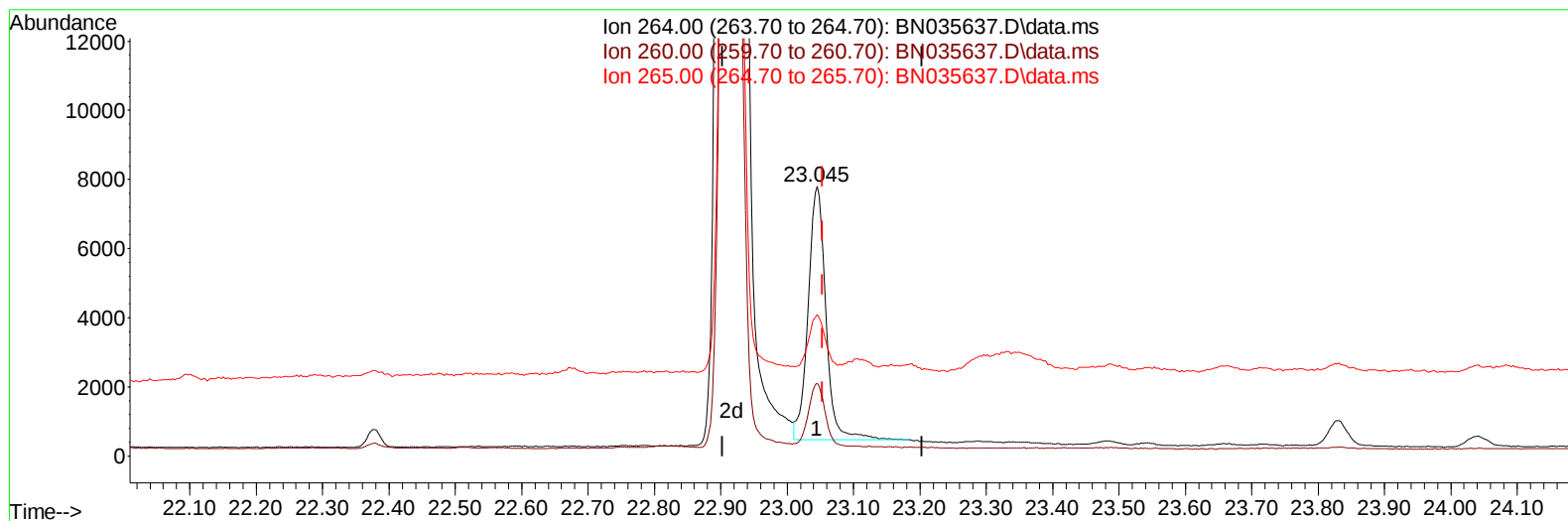
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
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Quant Time: Dec 17 04:29:07 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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TIC: BN035637.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/u1

response 13506

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.07
265.00	62.10	52.43
0.00	0.00	0.00

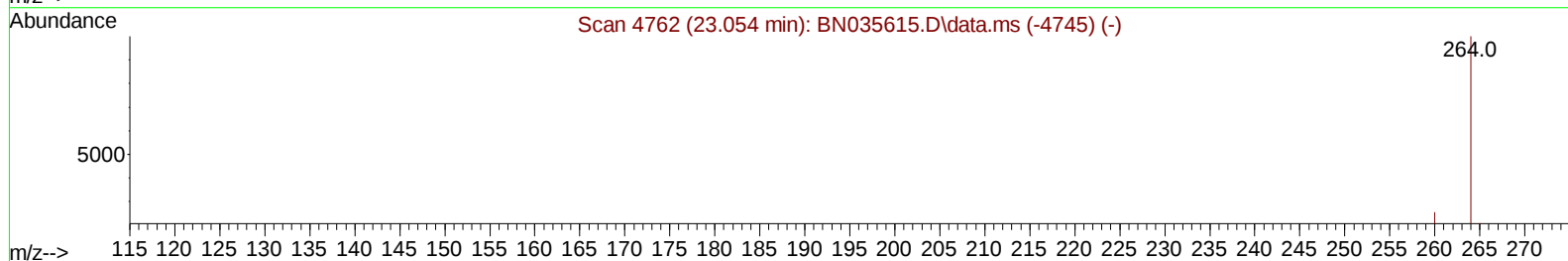
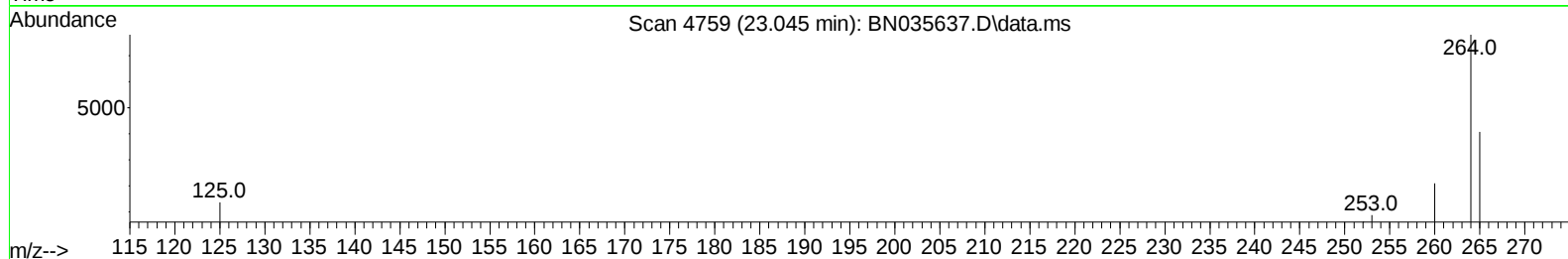
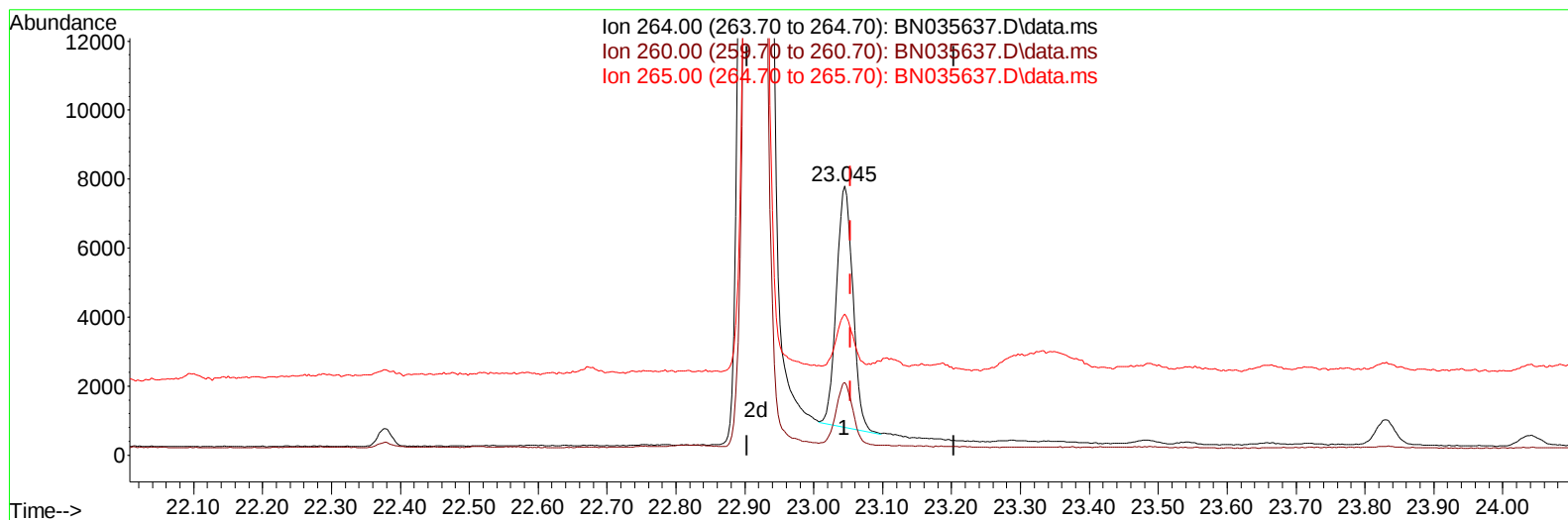
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/ul m

response 11601

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.07
265.00	62.10	52.43
0.00	0.00	0.00

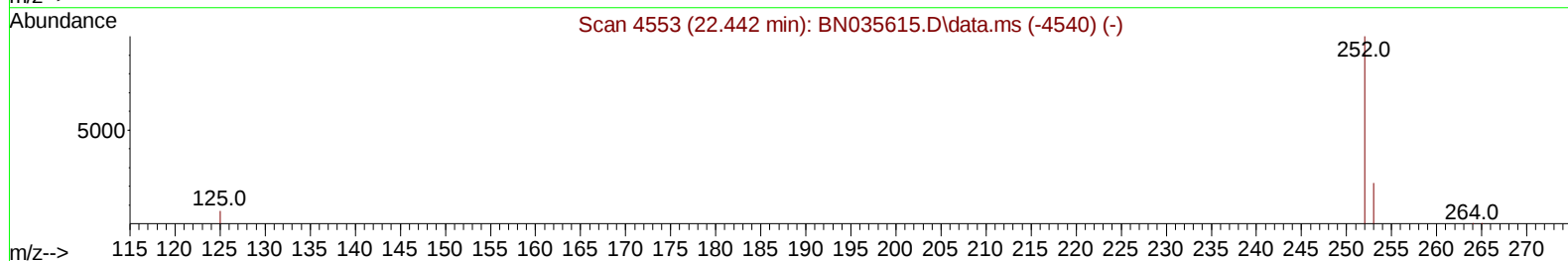
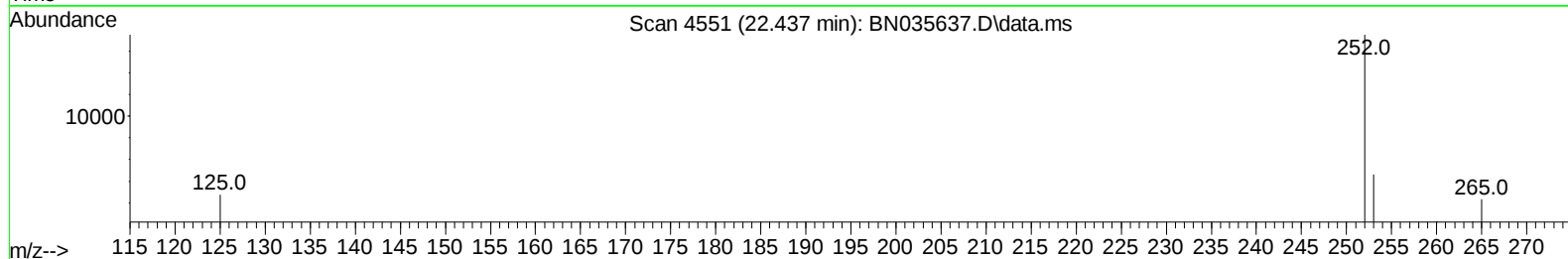
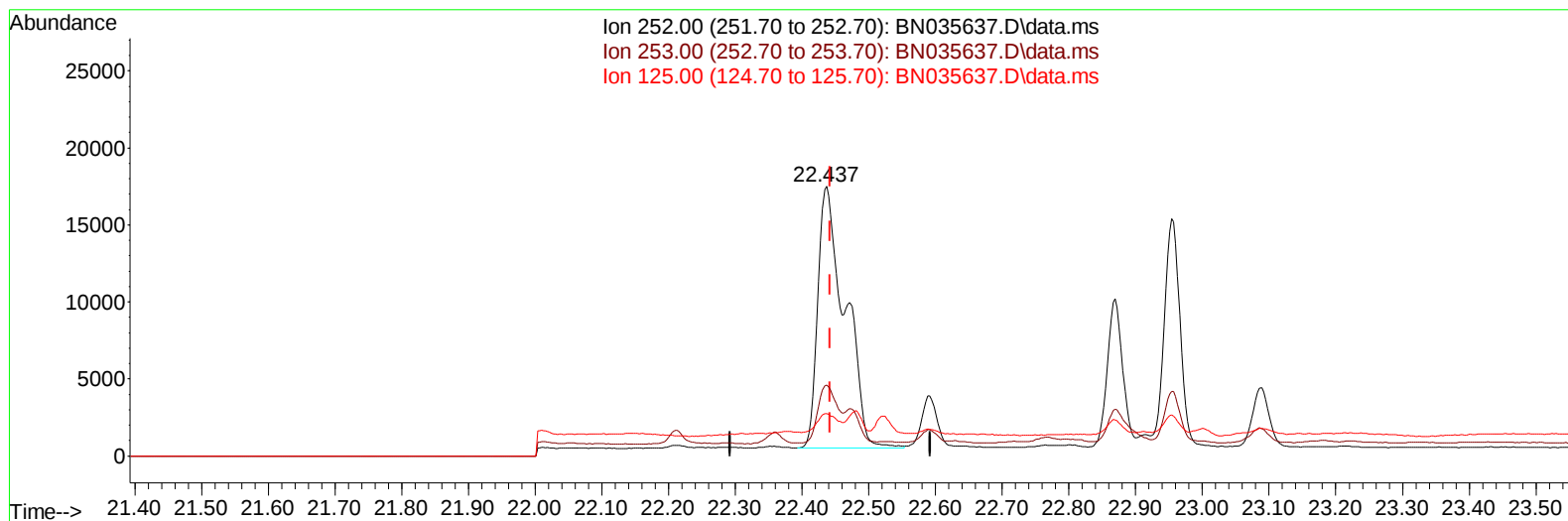
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 2024
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TIC: BN035637.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 1.40 ng/u1

response 47744

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.38
125.00	18.80	15.71
0.00	0.00	0.00

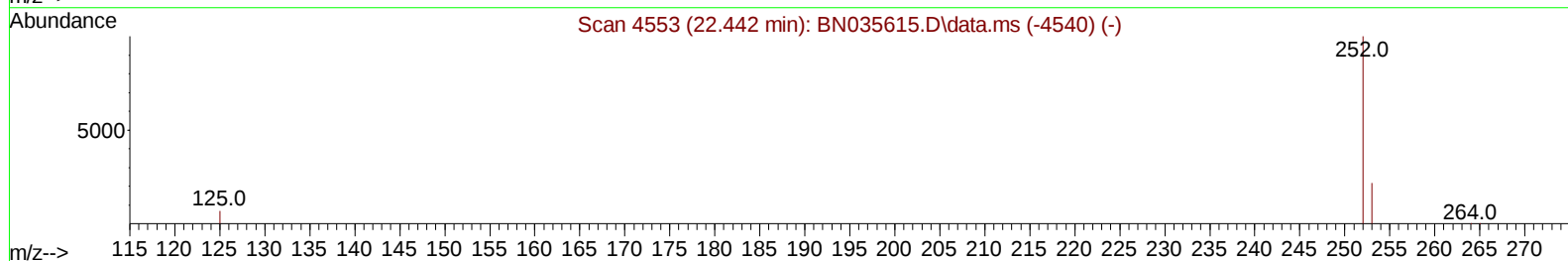
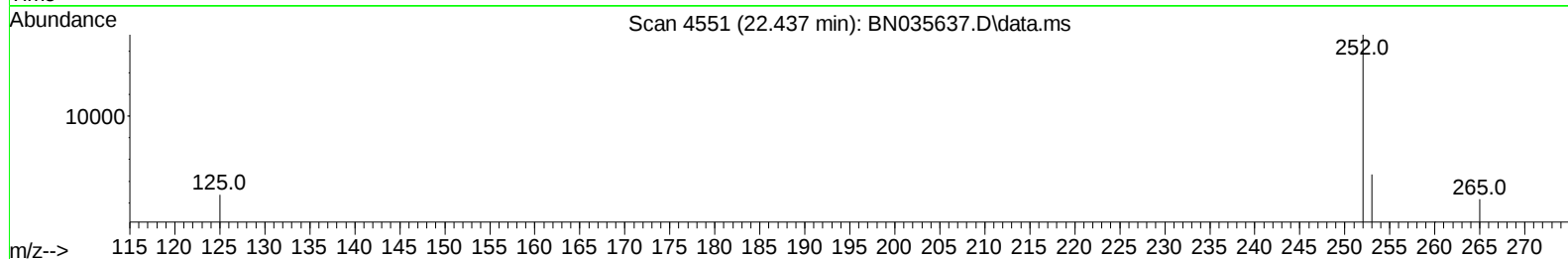
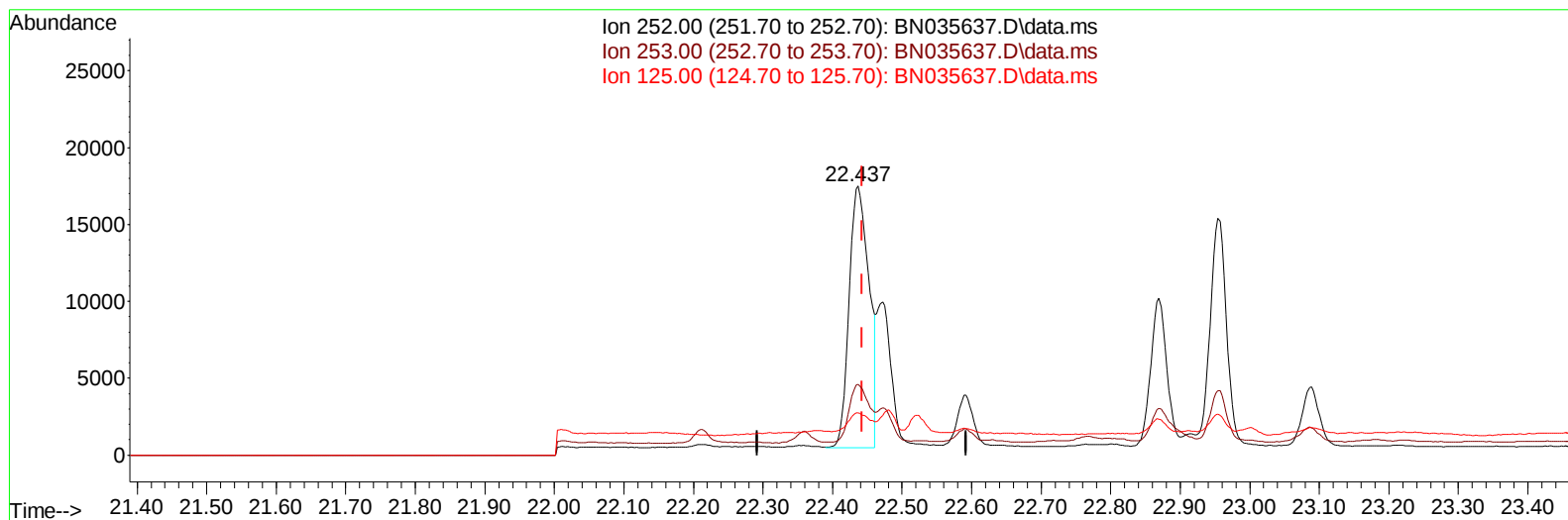
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Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.99 ng/u1 m

response 33756

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.38
125.00	18.80	15.71
0.00	0.00	0.00

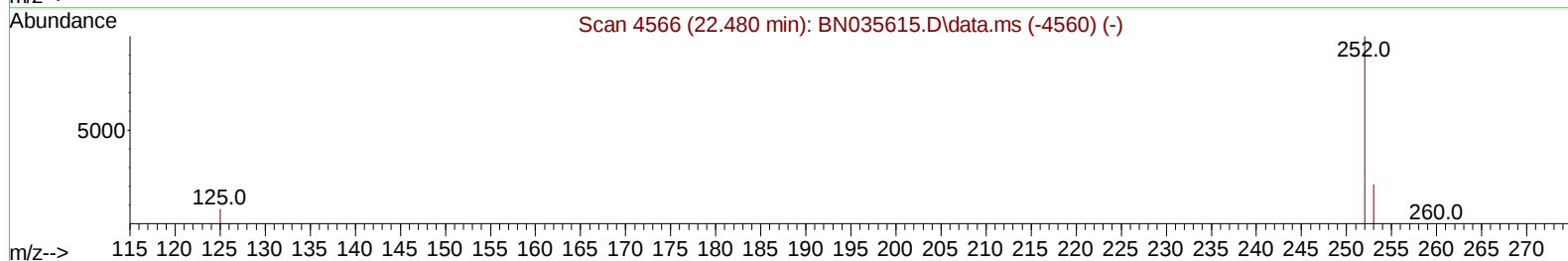
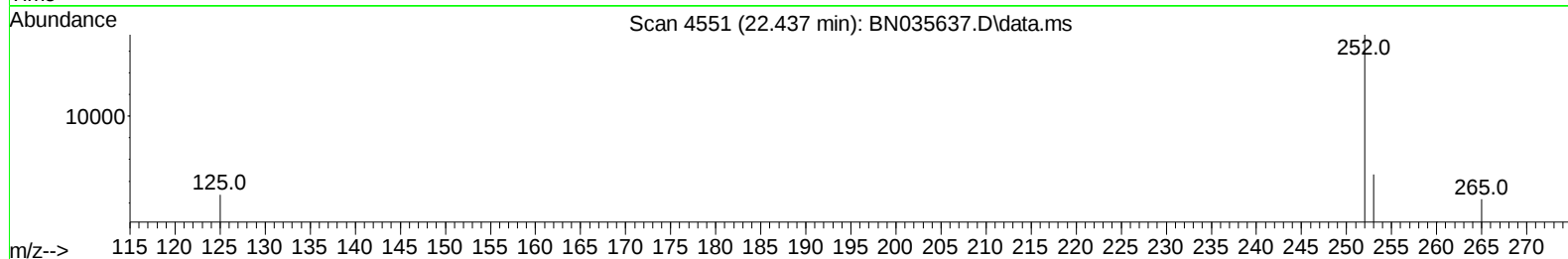
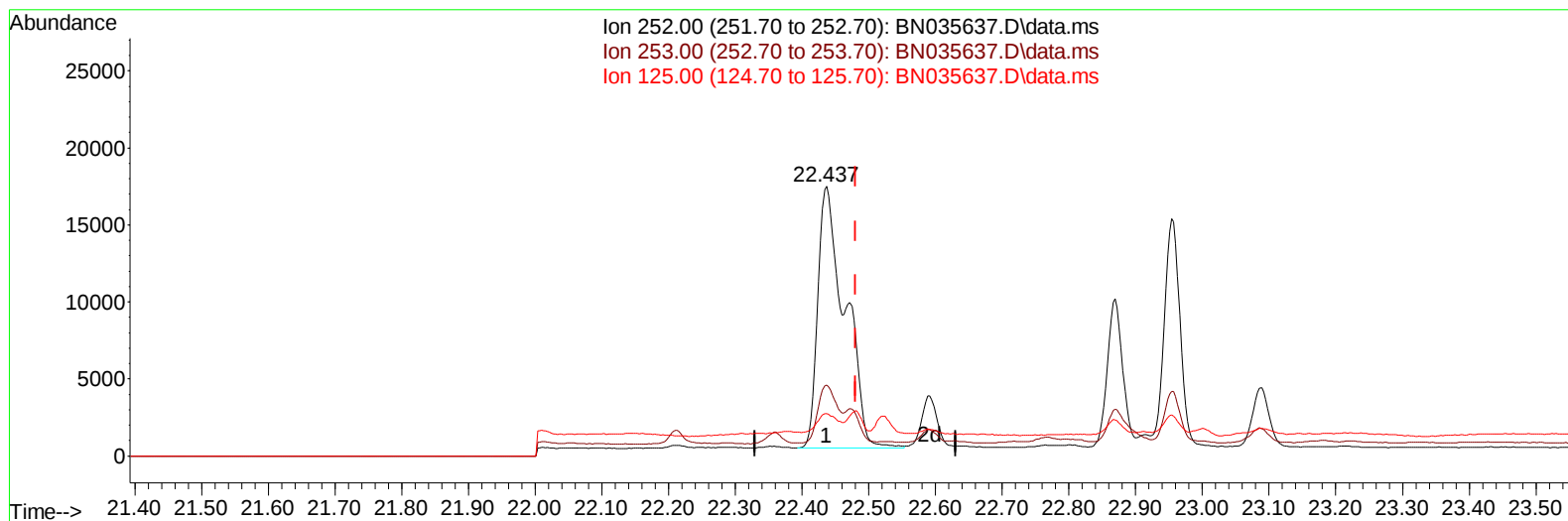
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Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 1.26 ng/u1

response 47744

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	26.38
125.00	19.10	15.71
0.00	0.00	0.00

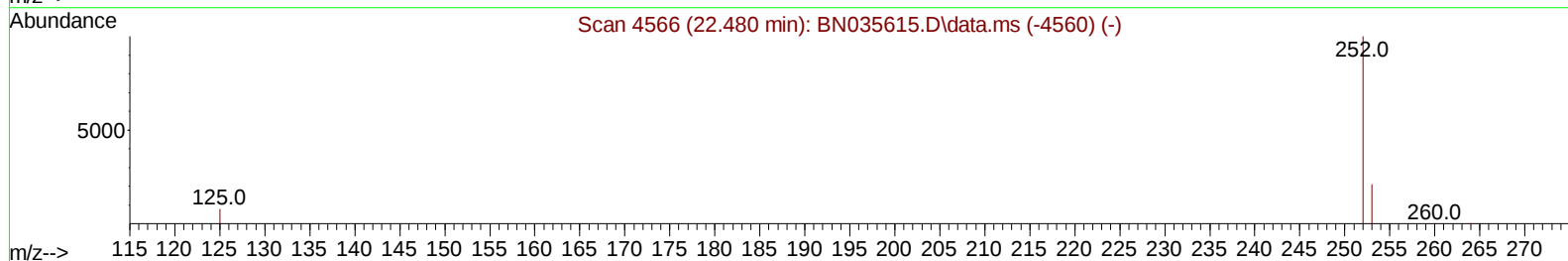
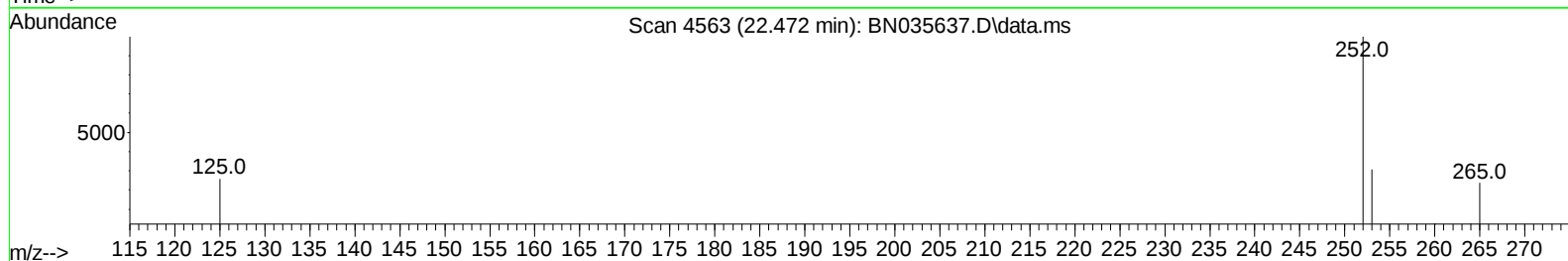
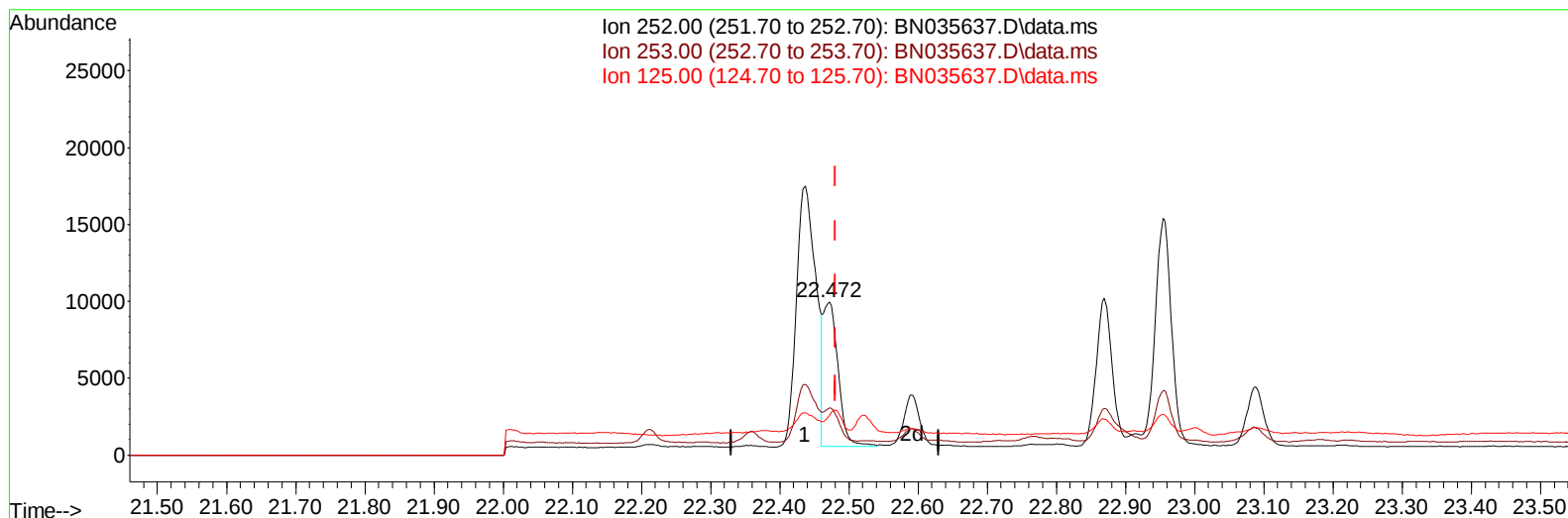
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(25) Benzo(k)fluoranthene

22.472min (-0.009) 0.37 ng/ul m

response 14026

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	30.67
125.00	19.10	25.78#
0.00	0.00	0.00

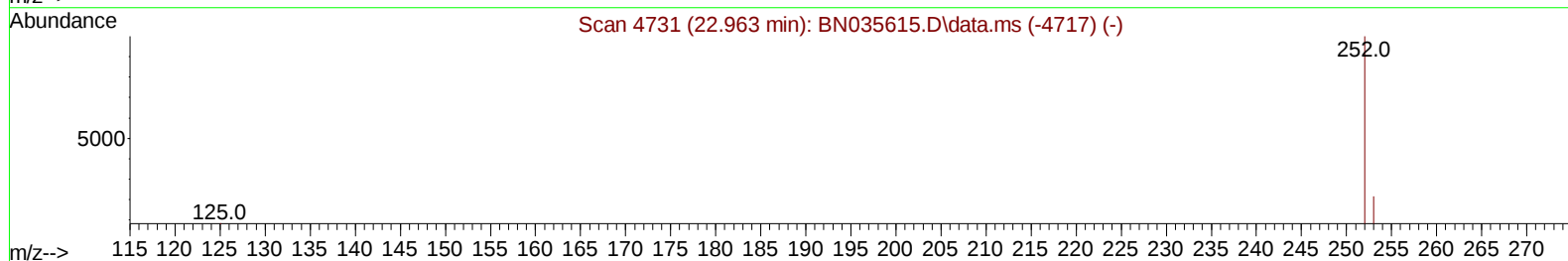
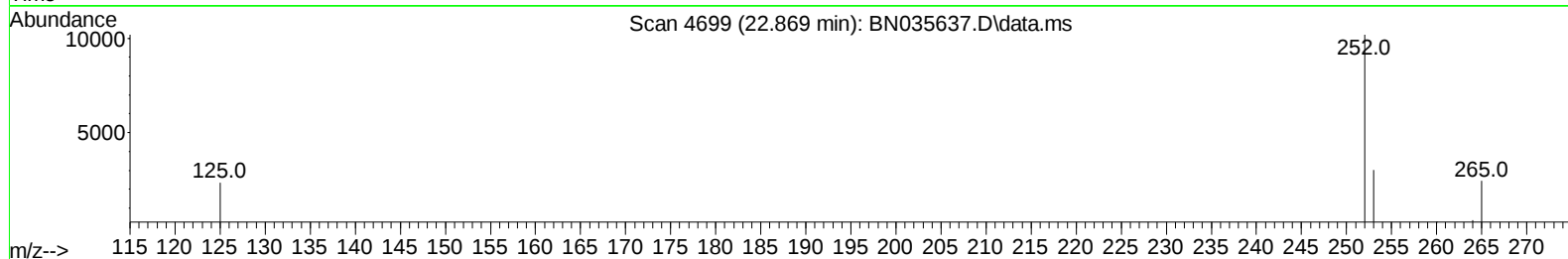
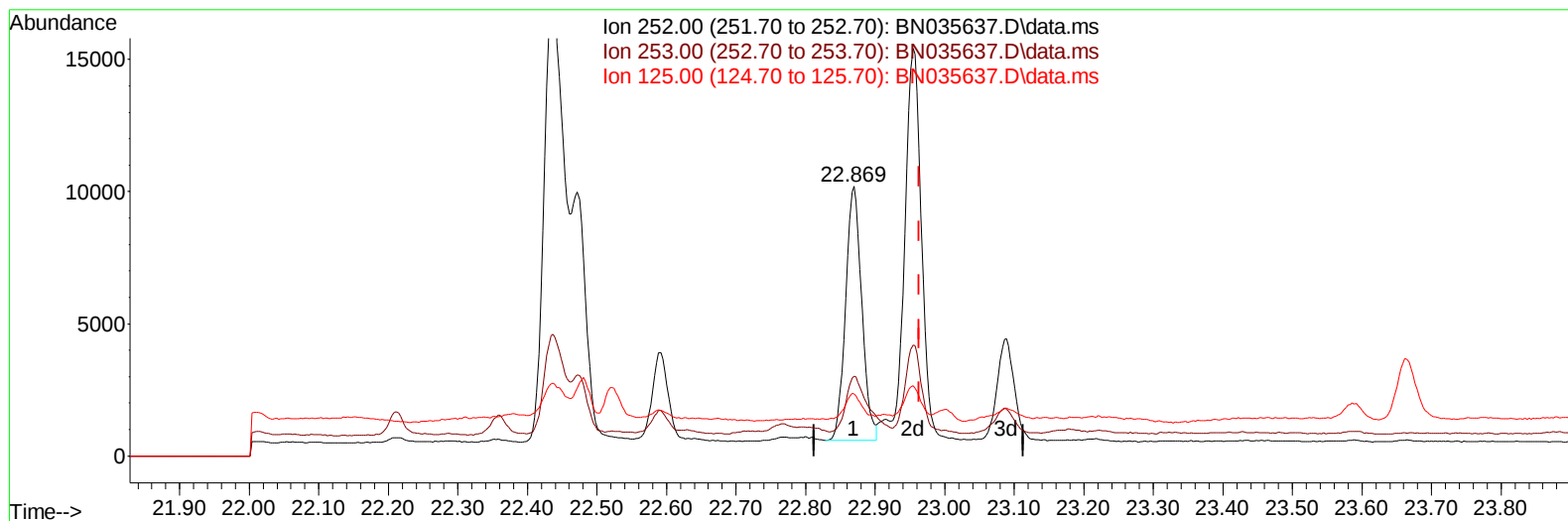
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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TIC: BN035637.D\data.ms

(26) Benzo(a)pyrene (C)

22.869min (-0.093) 0.47 ng/u1

response 15564

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	29.69
125.00	23.90	23.08
0.00	0.00	0.00

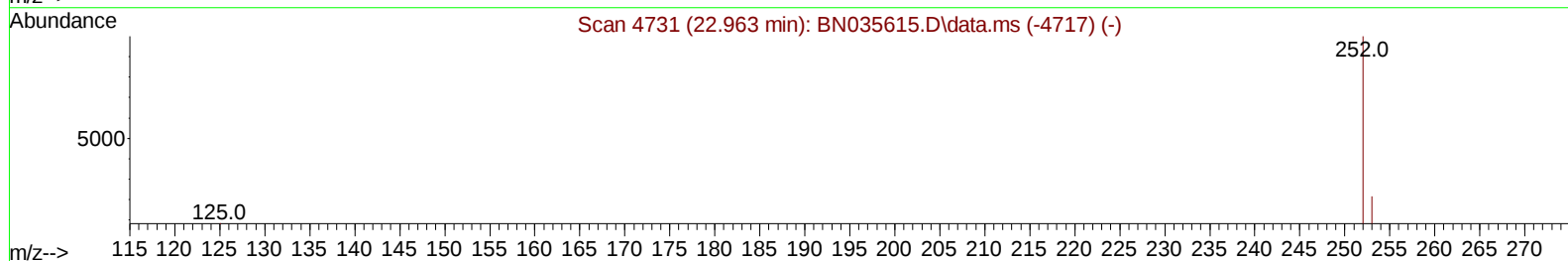
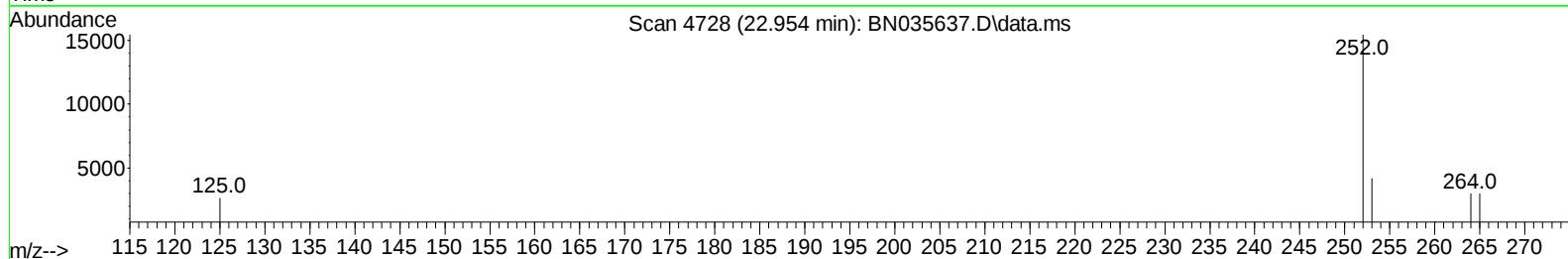
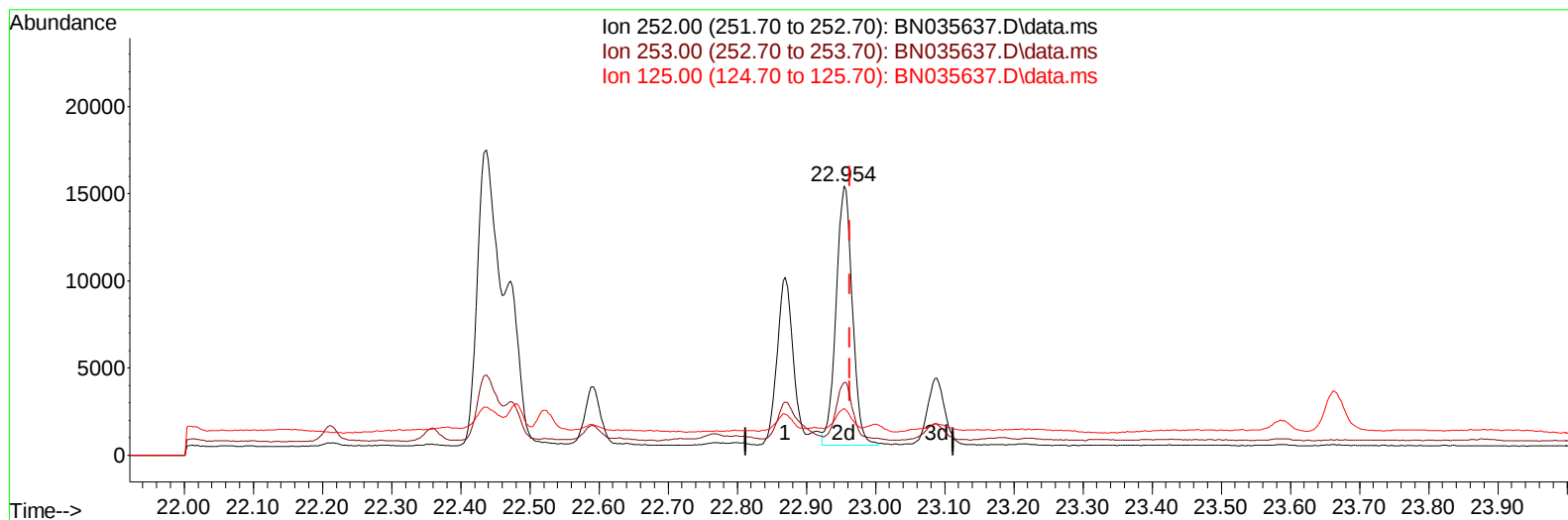
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Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(26) Benzo(a)pyrene (C)

22.954min (-0.009) 0.74 ng/u1 m

response 24532

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	27.13
125.00	23.90	17.27#
0.00	0.00	0.00

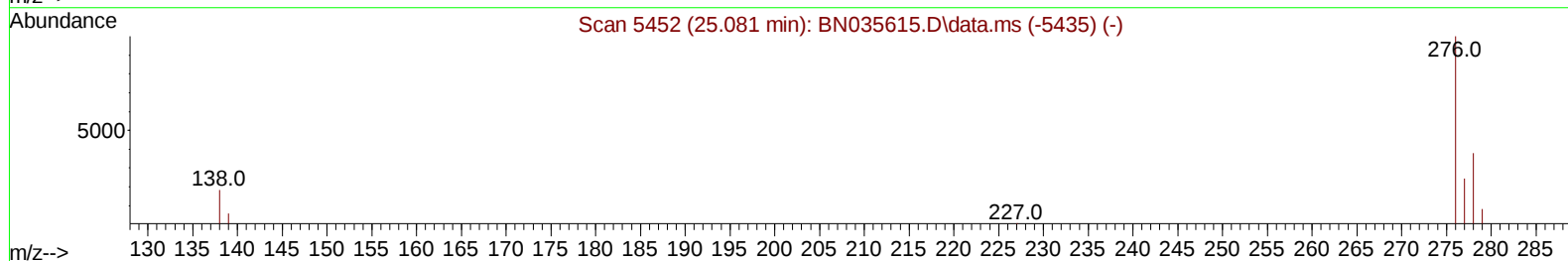
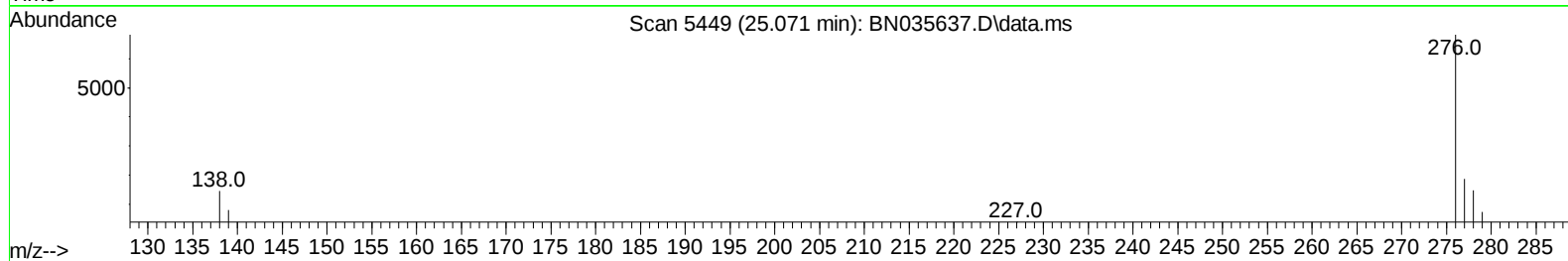
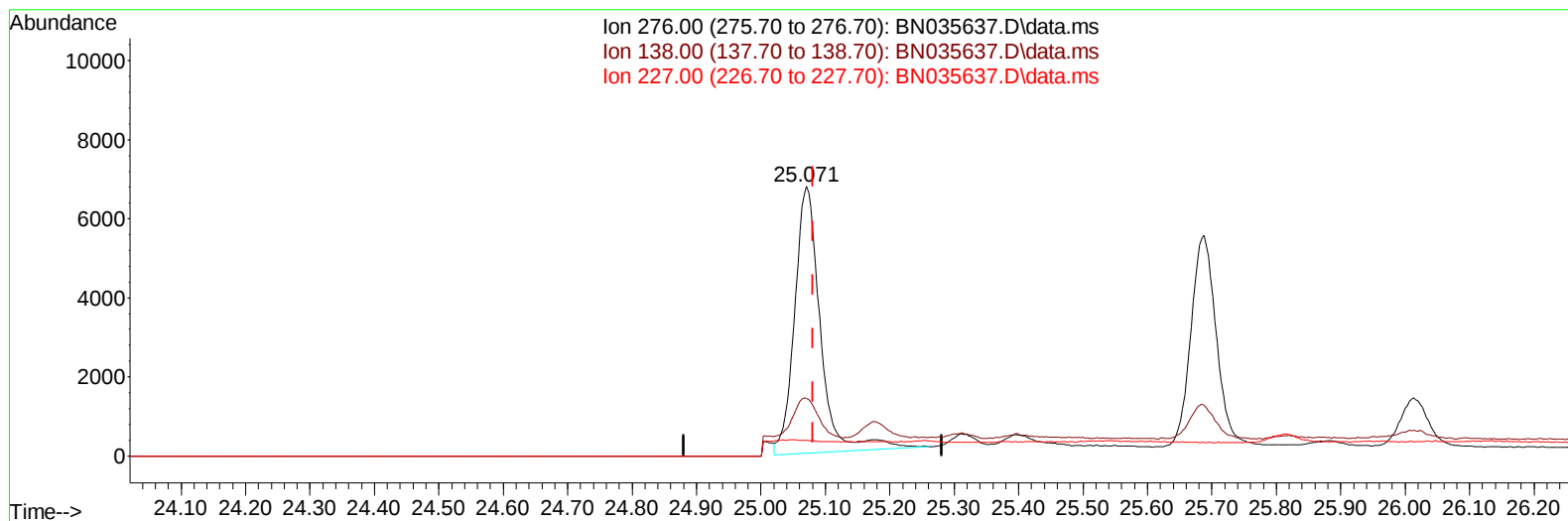
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

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TIC: BN035637.D\data.ms

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

25.071min (-0.010) 0.47 ng/u1

response 18845

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	11.94#
227.00	27.00	0.00#
0.00	0.00	0.00

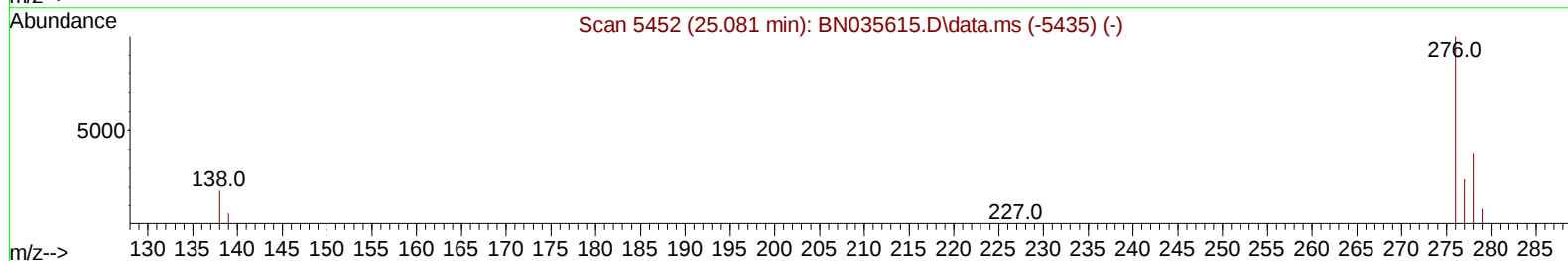
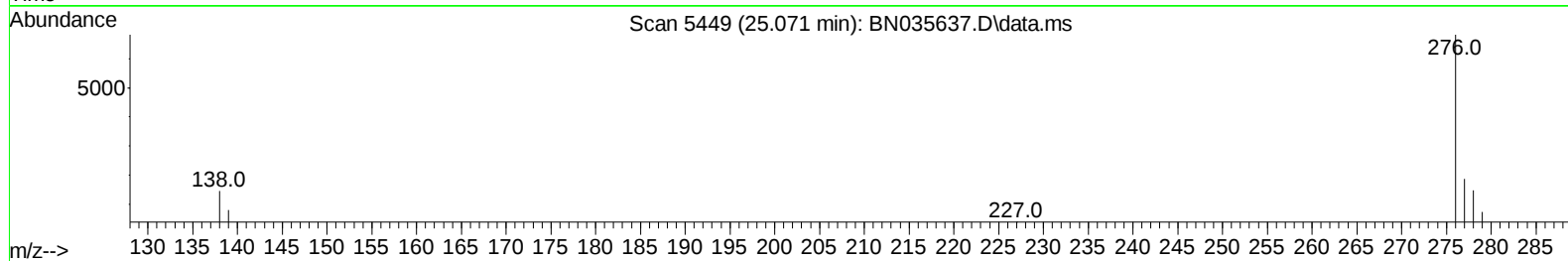
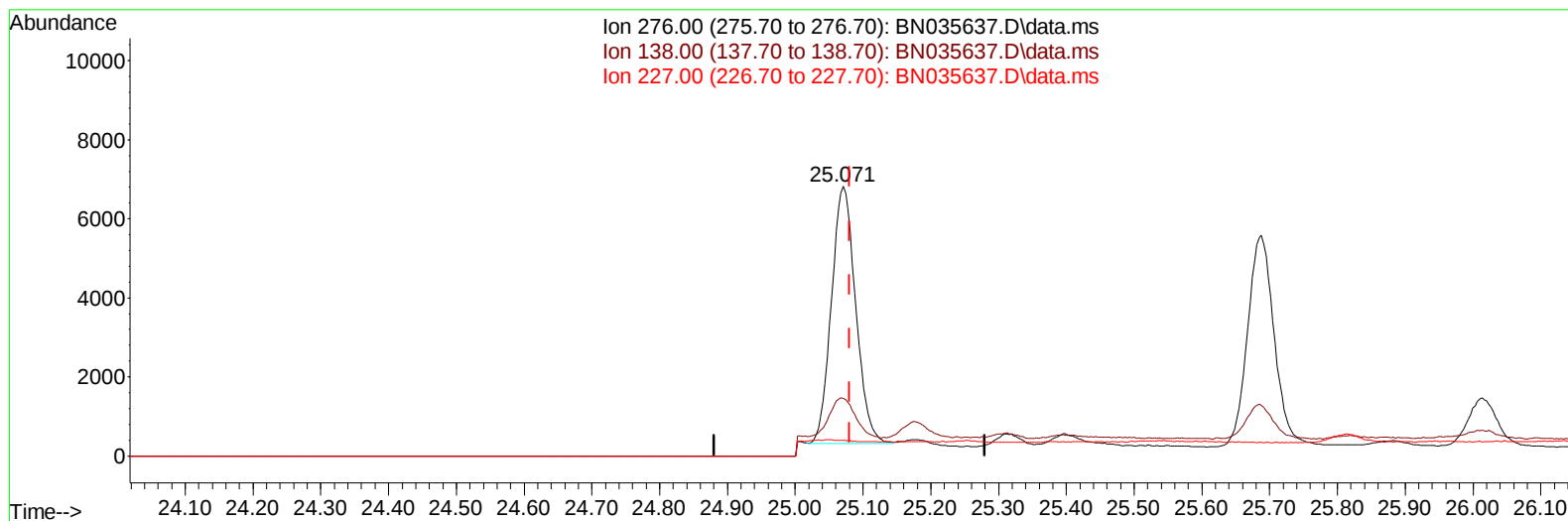
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035637.D\data.ms

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

25.071min (-0.010) 0.40 ng/ul m

response 16195

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	13.89#
227.00	27.00	0.00#
0.00	0.00	0.00

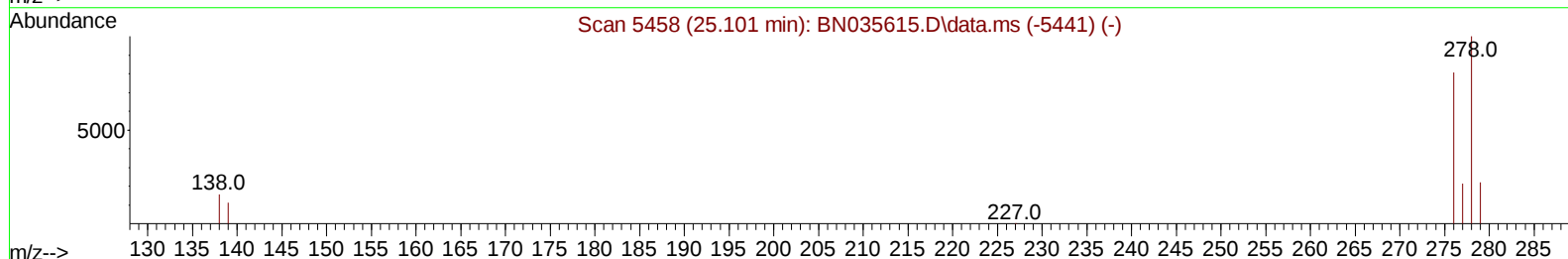
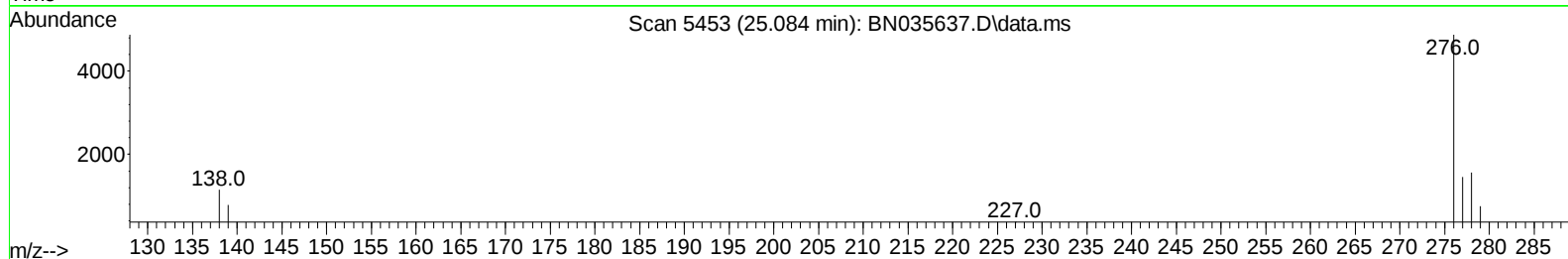
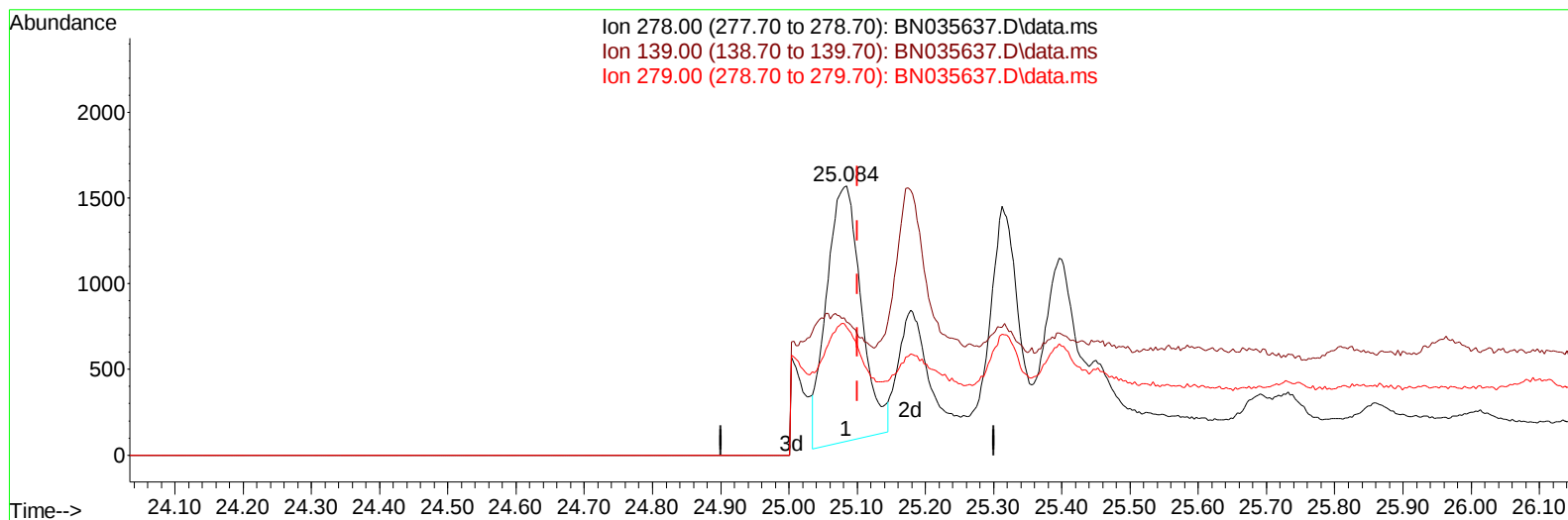
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035637.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.17 ng/u1

response 5272

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	49.52#
279.00	30.00	47.61#
0.00	0.00	0.00

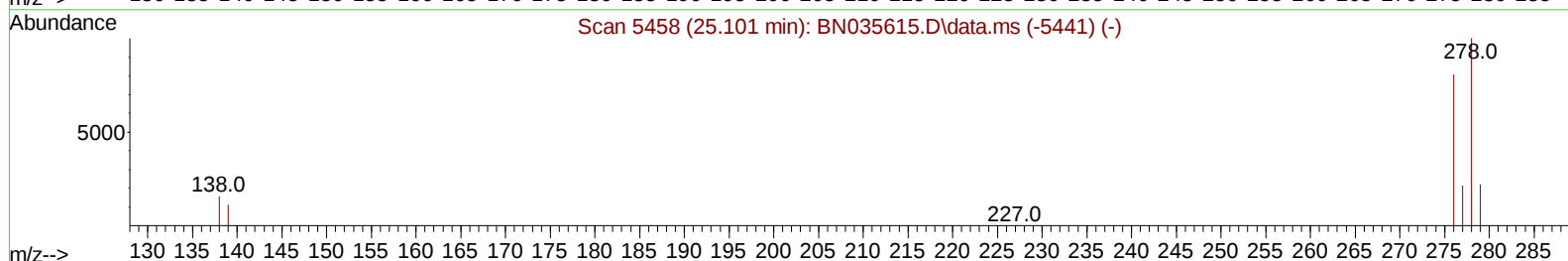
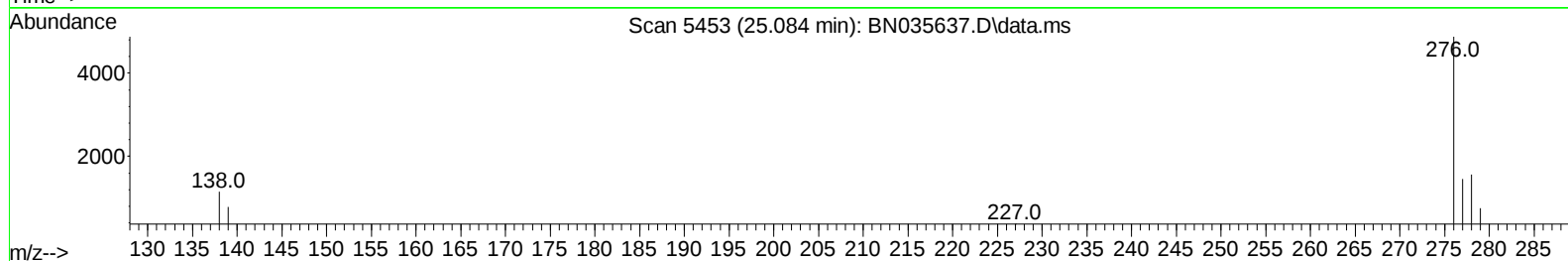
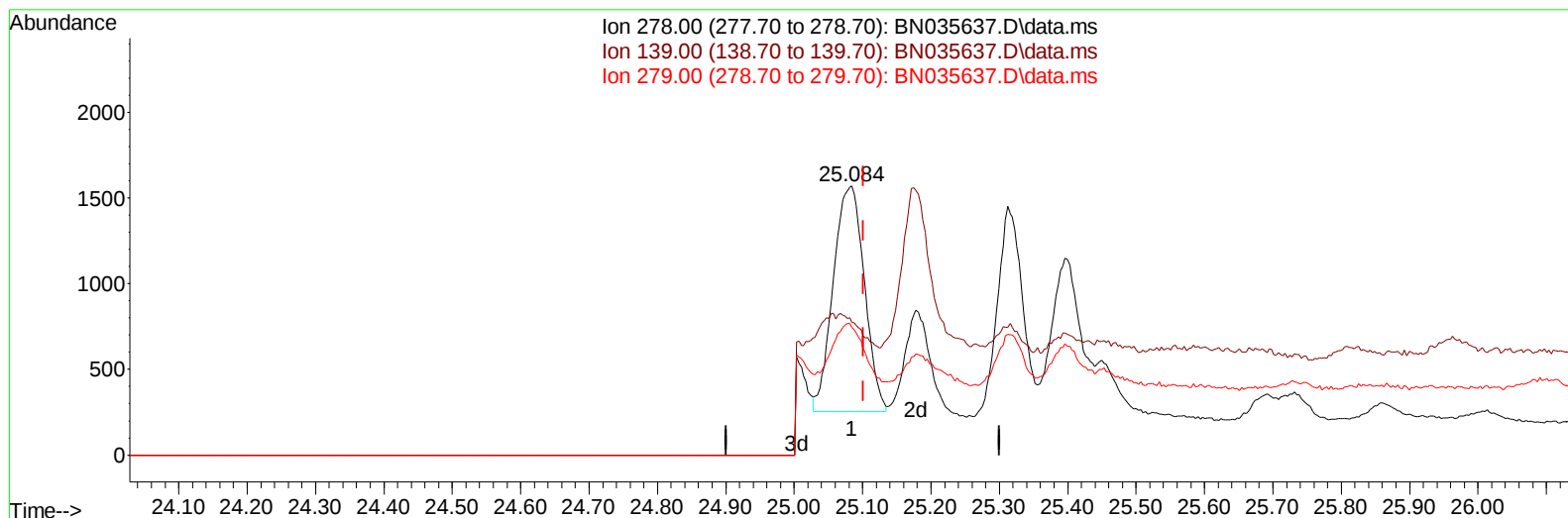
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035637.D
Acq On : 17 Dec 2024 03:48
Operator : RC/JU
Sample : P5232-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T2

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:29:07 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: BN035637.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.14 ng/ul m

response 4158

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	49.52#
279.00	30.00	47.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035637.D
 Acq On : 17 Dec 2024 03:48
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2849	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	8462	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5882	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12737	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	10749	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	11601m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	7347	2.909	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2158	0.179	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	4995	0.159	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	568m	0.027	ng/ul	
7) 2-Methylnaphthalene	11.708	142	334	0.024	ng/ul	95
8) 1-Methylnaphthalene	11.934	142	311	0.021	ng/ul	95
10) Acenaphthylene	13.657	152	2179	0.096	ng/ul#	92
11) Acenaphthene	14.009	153	1491	0.087	ng/ul	97
12) Fluorene	15.013	166	2056	0.103	ng/ul#	97
15) Phenanthrene	16.755	178	29122	0.914	ng/ul	99
16) Anthracene	16.848	178	8295	0.278	ng/ul	99
19) Fluoranthene	18.800	202	58667	1.526	ng/ul	97
20) Pyrene	19.167	202	47667	1.126	ng/ul	97
21) Benzo(a)anthracene	20.944	228	26511	0.744	ng/ul	97
22) Chrysene	20.993	228	24295	0.657	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	33756m	0.987	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	14026m	0.371	ng/ul	
26) Benzo(a)pyrene	22.954	252	24532m	0.741	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.071	276	16195m	0.402	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	4158m	0.135	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	14876	0.460	ng/ul	98

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

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