

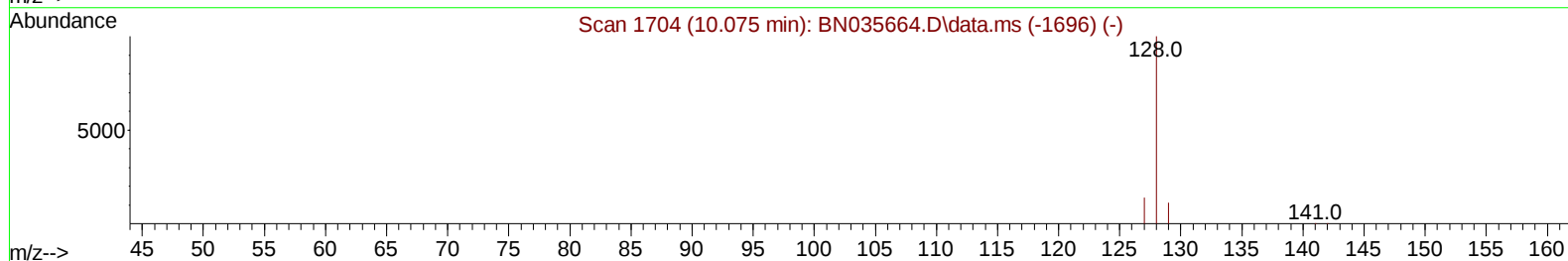
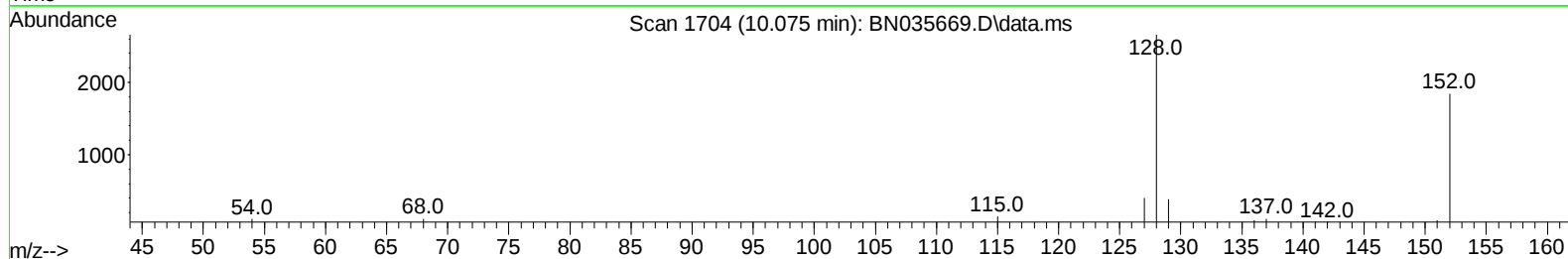
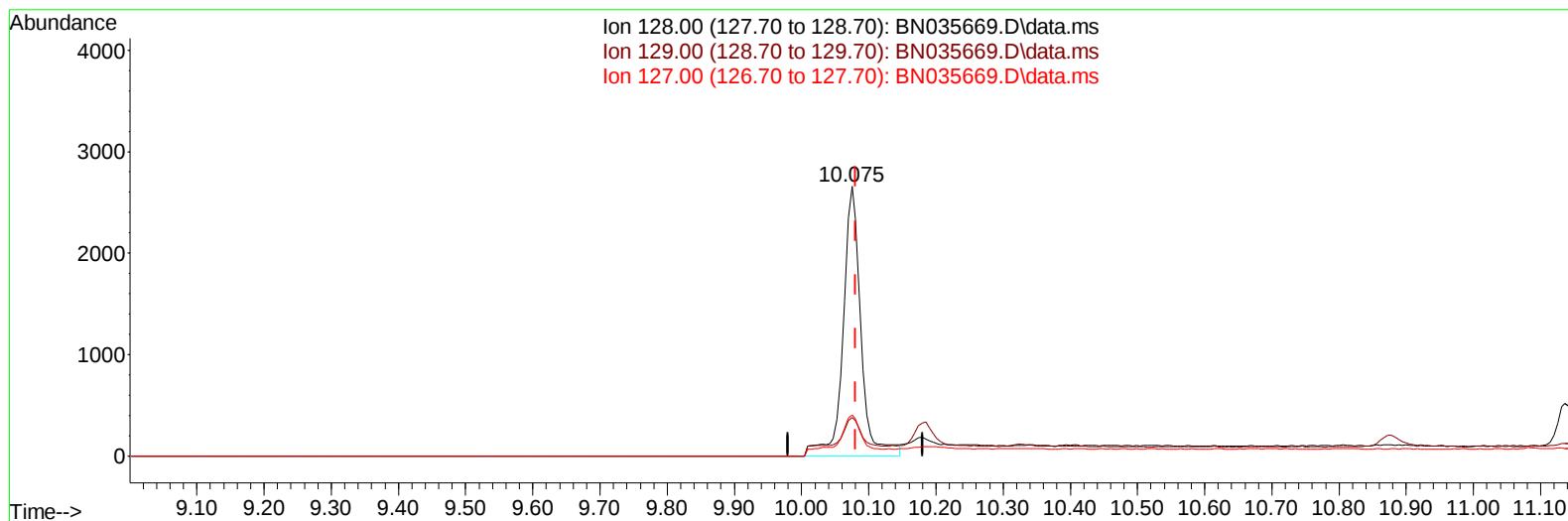
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

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

Quant Time: Dec 18 15:06:33 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: BN035669.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.22 ng/u1

response 4840

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.34
127.00	15.00	15.21
0.00	0.00	0.00

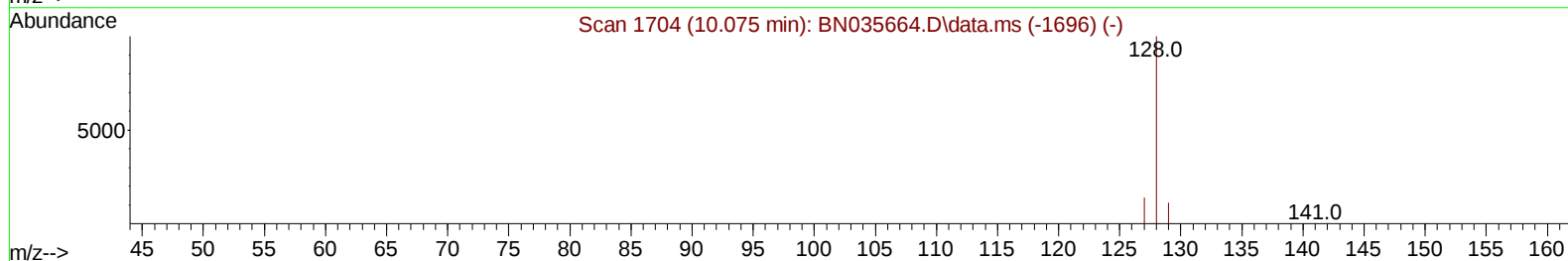
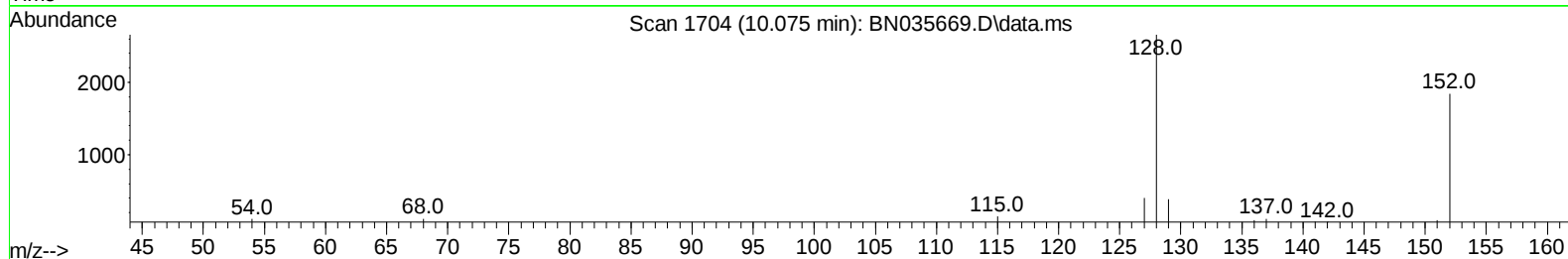
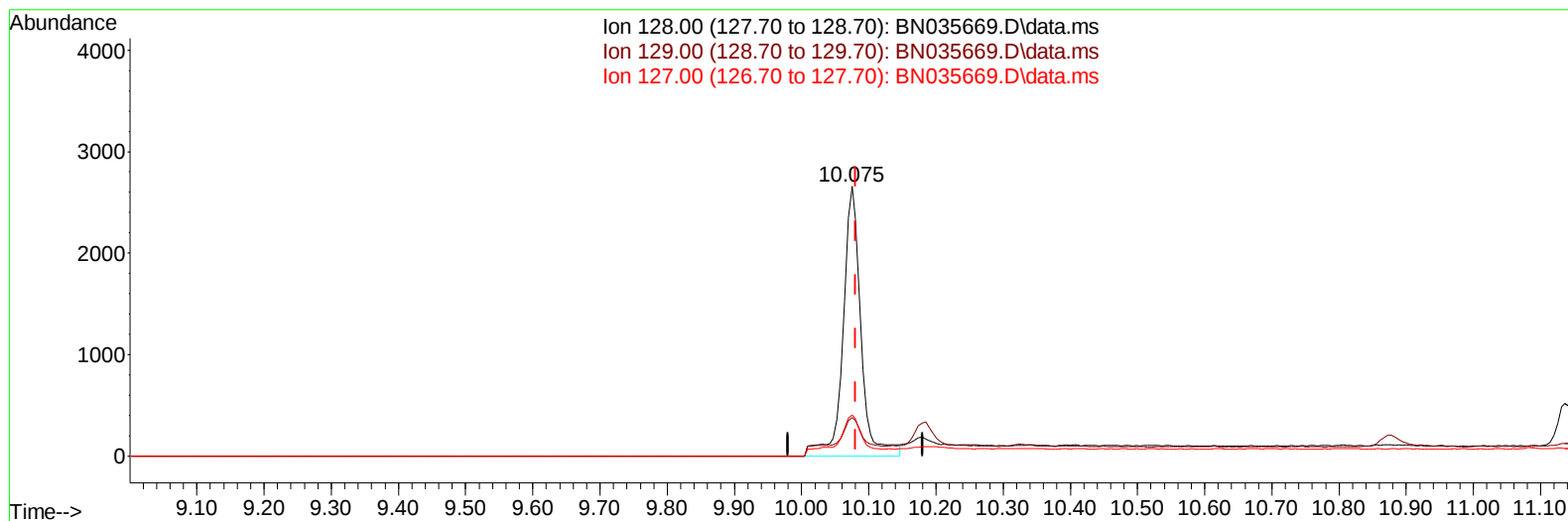
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035669.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.22 ng/u1

response 4840

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.34
127.00	15.00	15.21
0.00	0.00	0.00

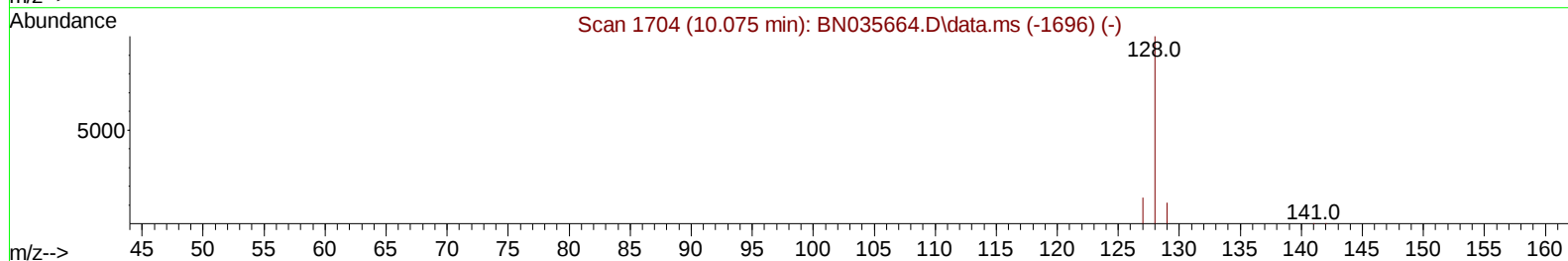
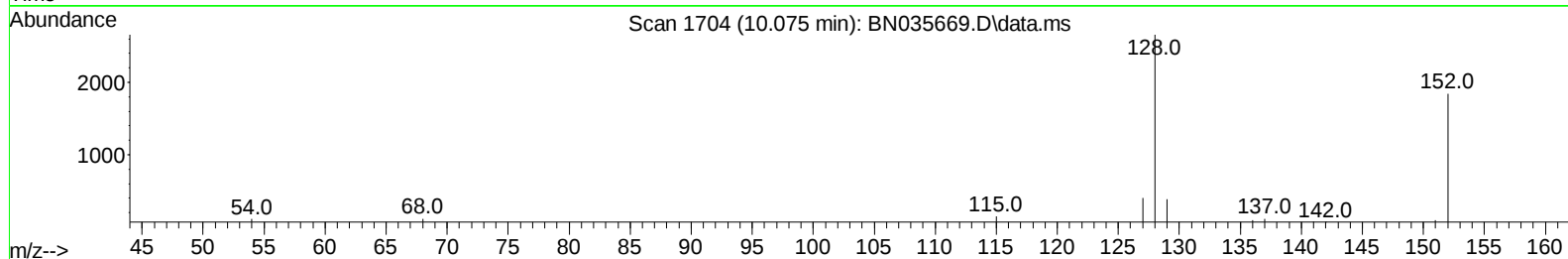
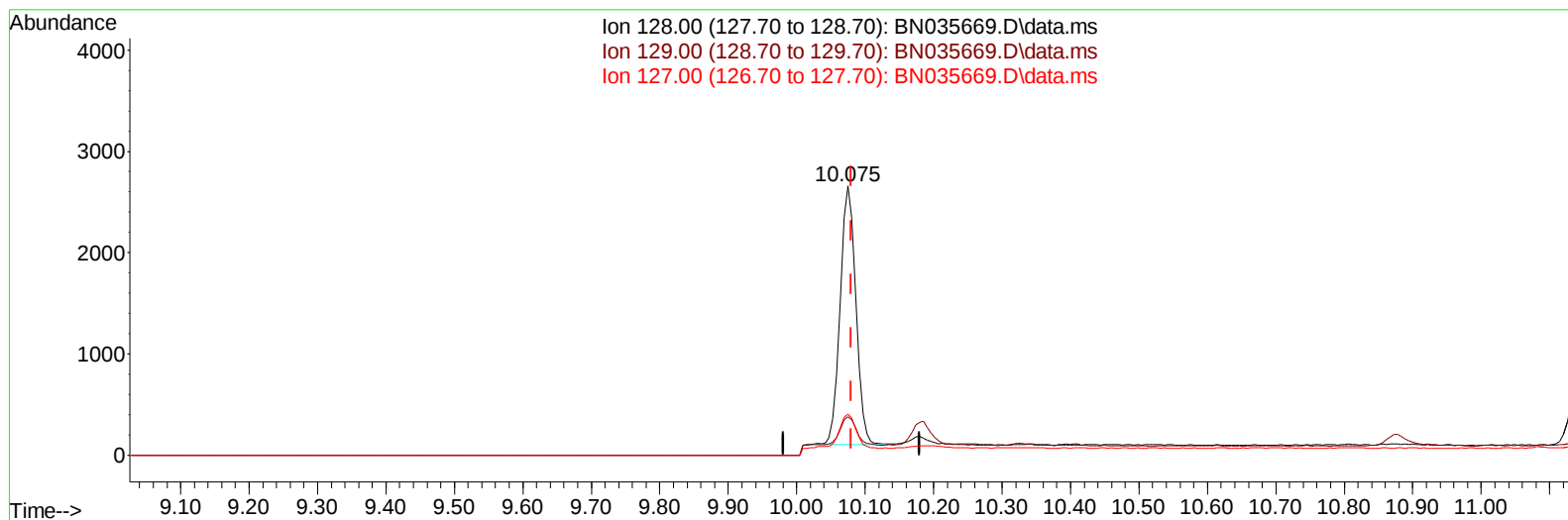
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 2024
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QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/21/2024
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TIC: BN035669.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.18 ng/ul m

response 4033

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.34
127.00	15.00	15.21
0.00	0.00	0.00

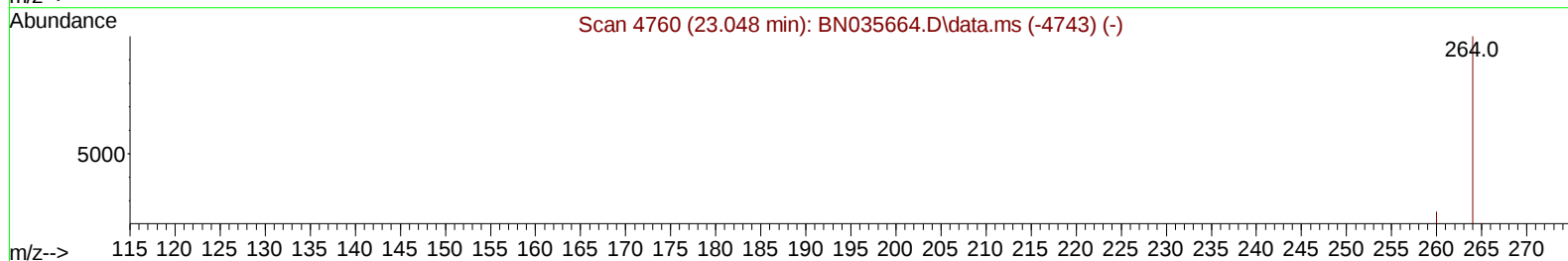
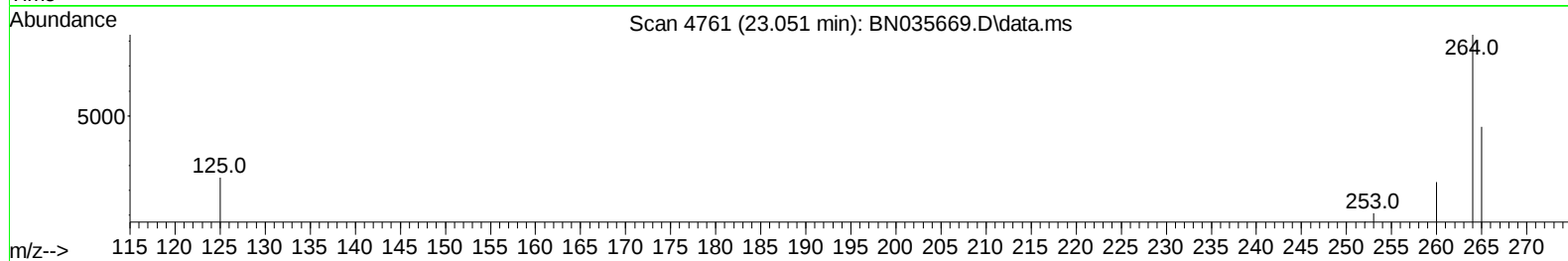
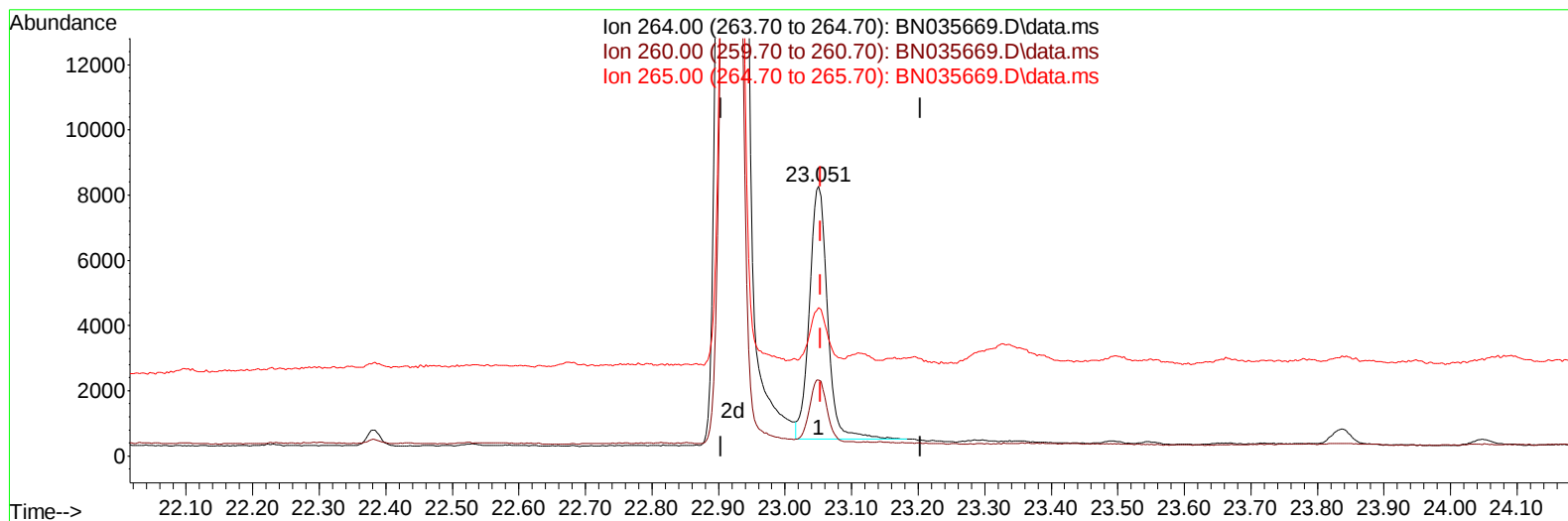
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
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Manual IntegrationsAPPROVED

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TIC: BN035669.D\data.ms

(23) Perylene-d12 (I)

23.051min (-0.003) 0.40 ng/u1

response 14614

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.08
265.00	62.10	55.00
0.00	0.00	0.00

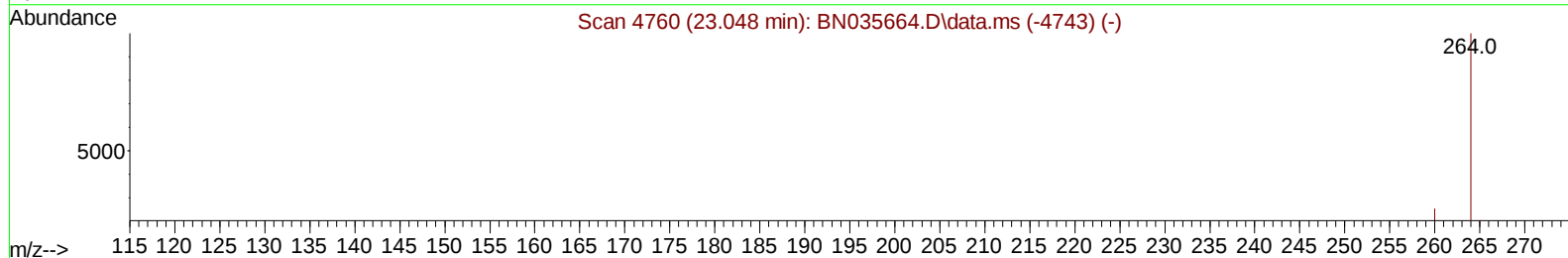
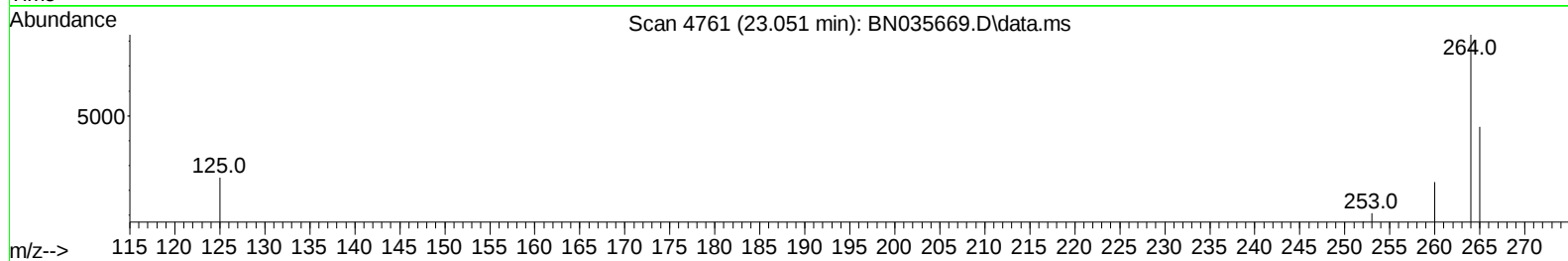
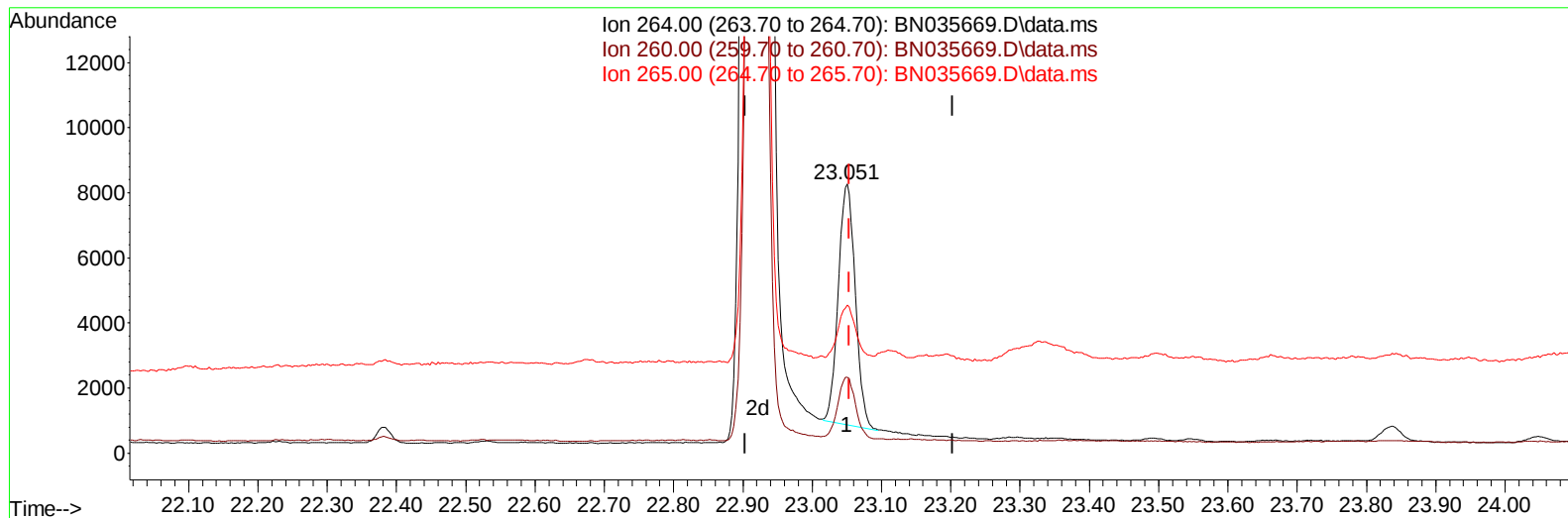
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

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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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035669.D\data.ms

(23) Perylene-d12 (I)

23.051min (-0.003) 0.40 ng/ul m

response 12524

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	28.08
265.00	62.10	55.00
0.00	0.00	0.00

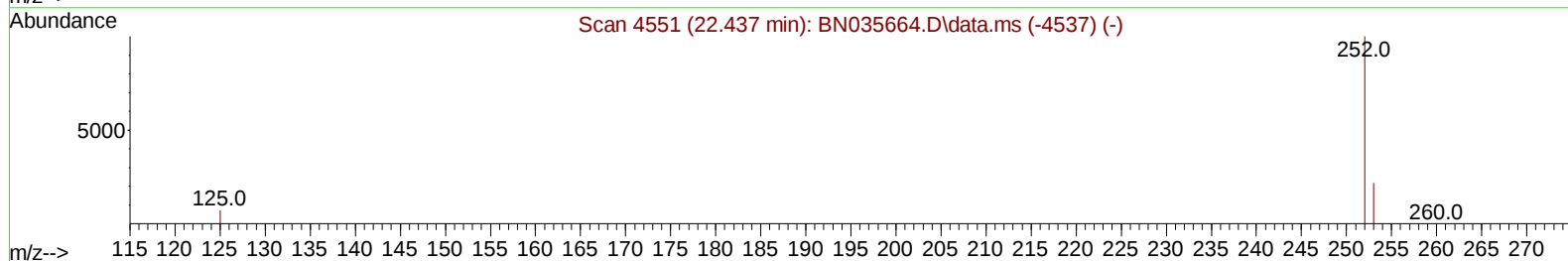
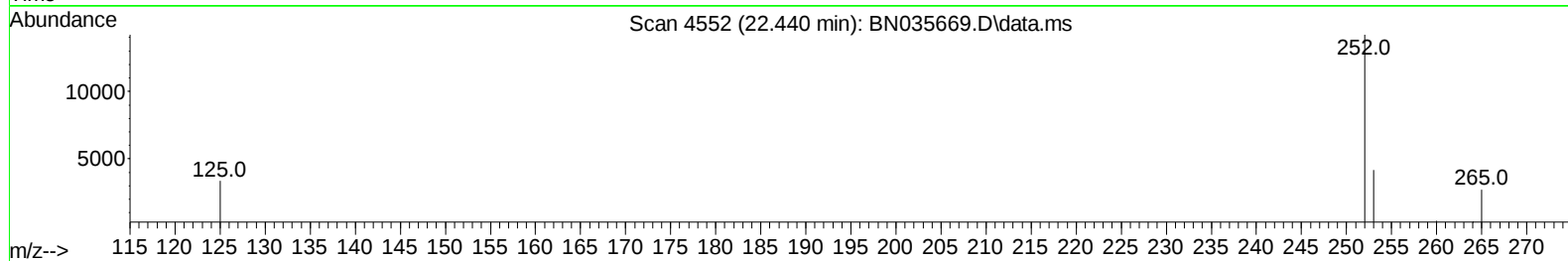
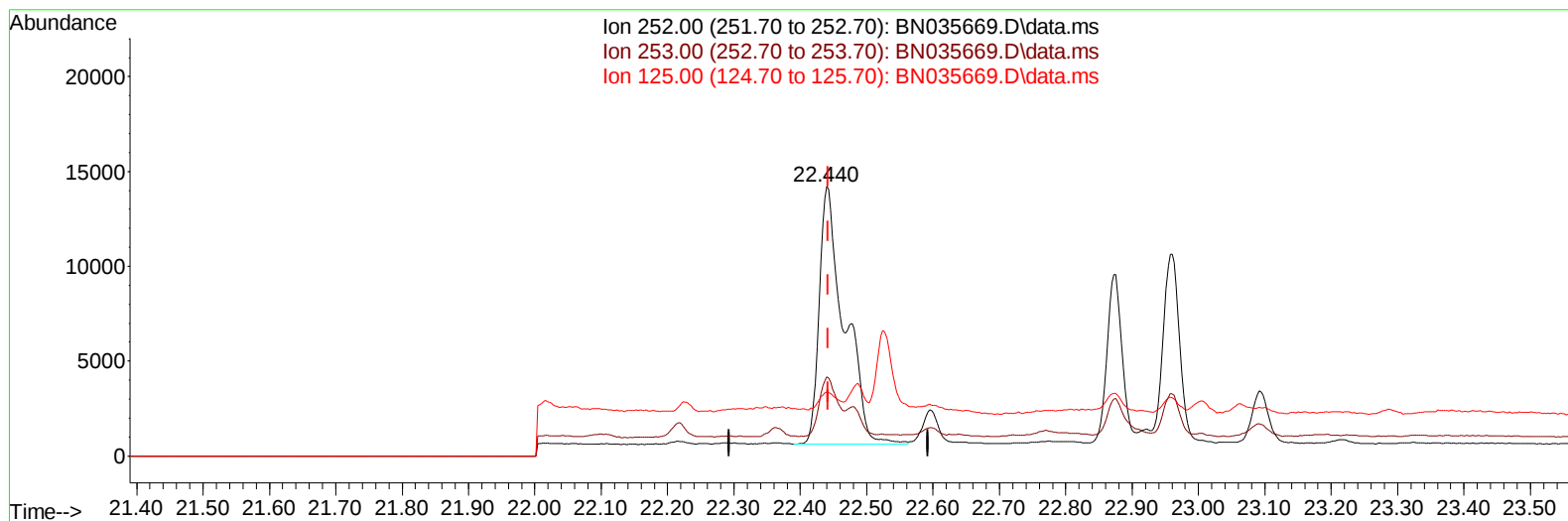
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 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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Reviewed By :Yogesh Patel 12/21/2024
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TIC: BN035669.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.97 ng/u1

response 35678

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.32
125.00	18.80	23.64
0.00	0.00	0.00

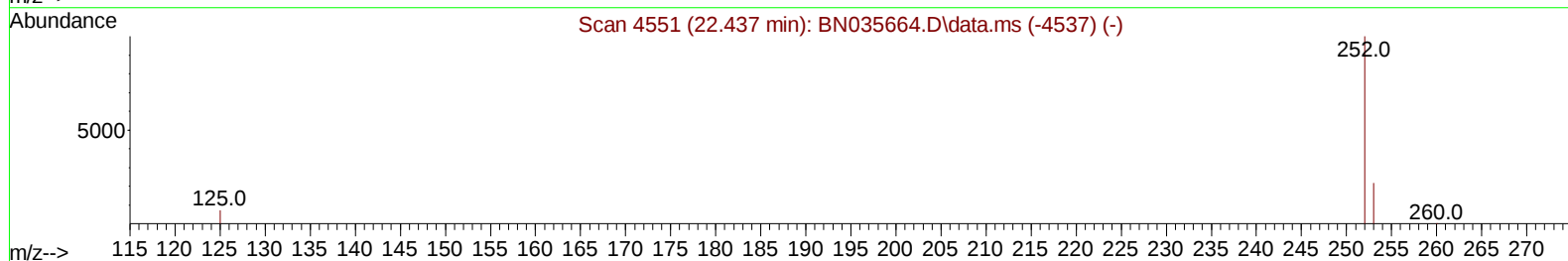
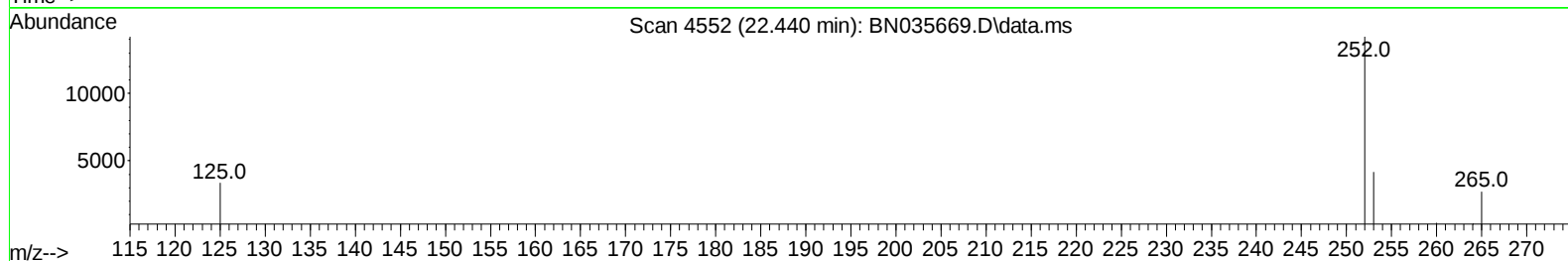
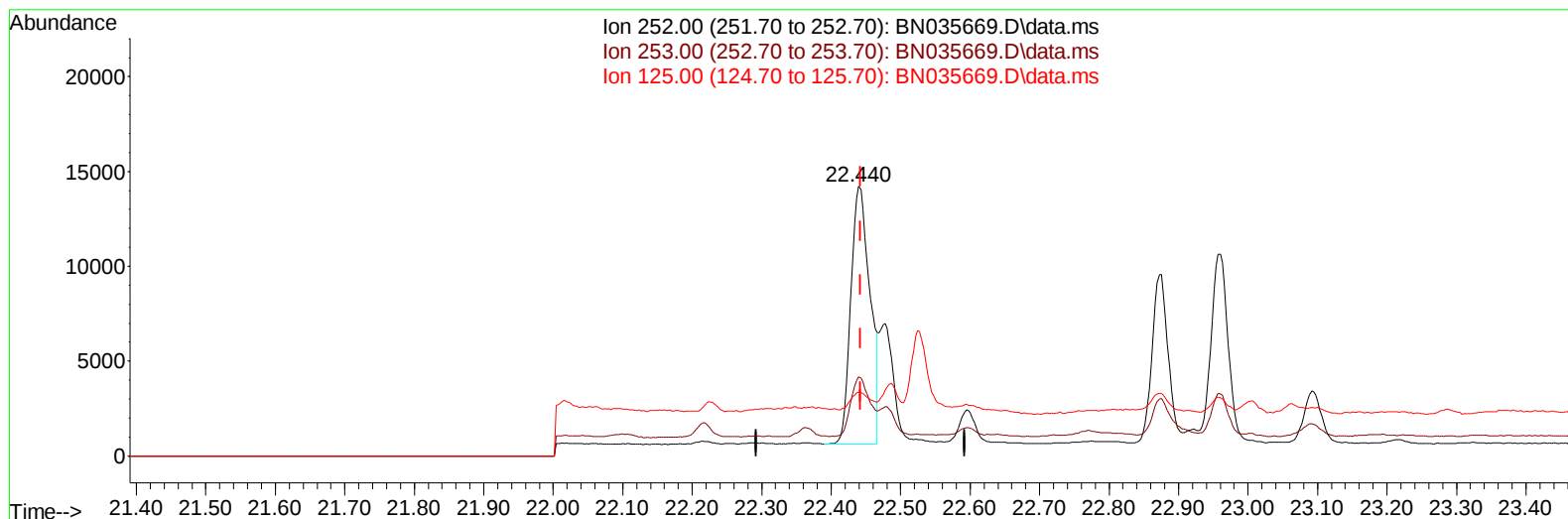
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Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 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: BN035669.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.71 ng/u1 m

response 26088

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.32
125.00	18.80	23.64
0.00	0.00	0.00

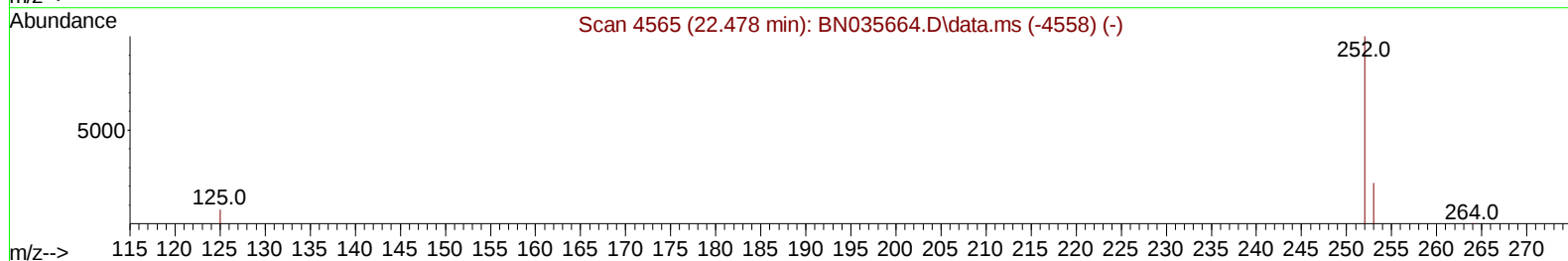
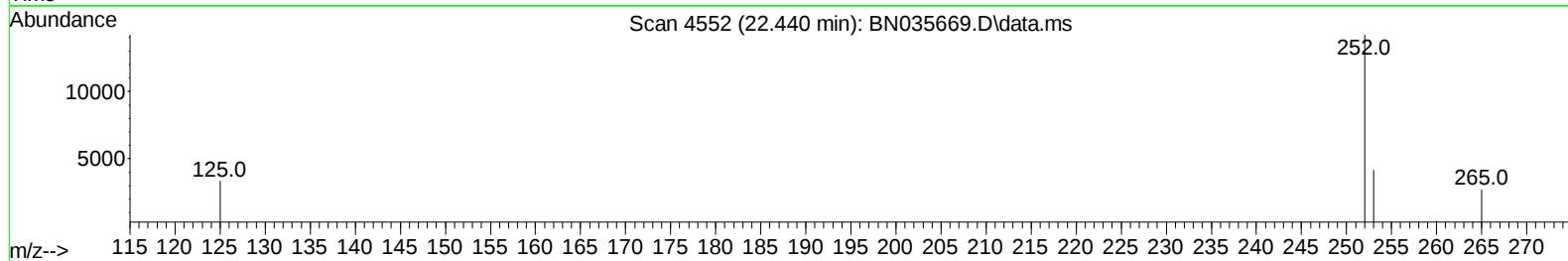
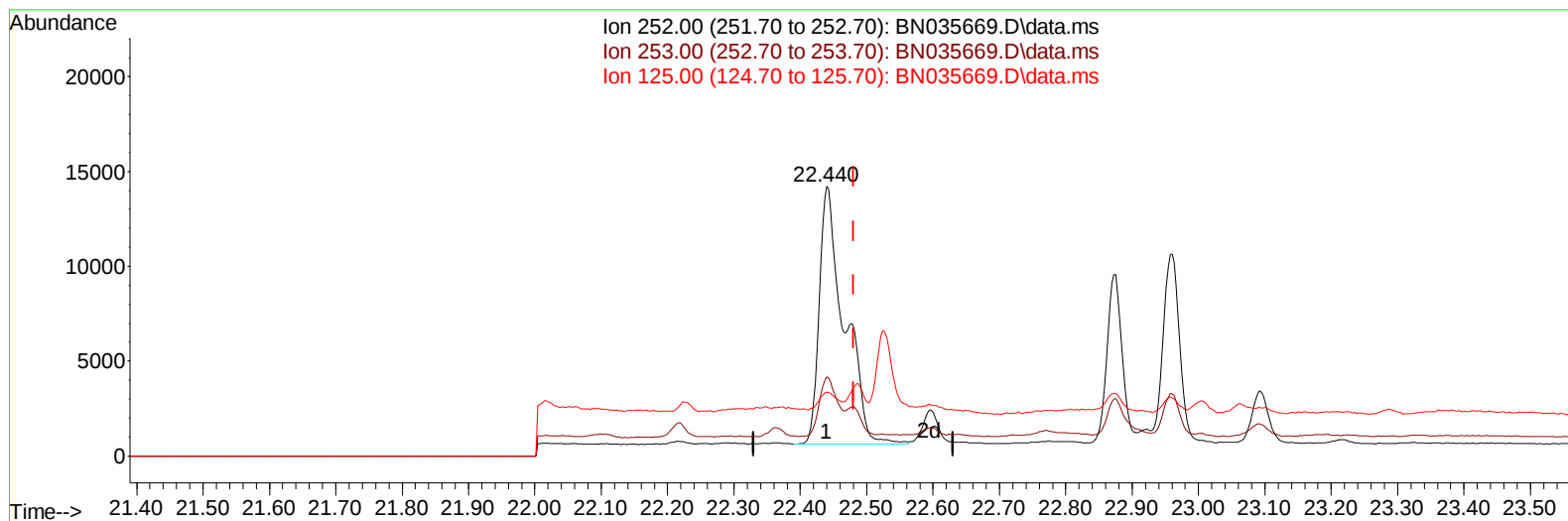
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Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 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: BN035669.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 0.87 ng/u1

response 35678

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	29.32
125.00	19.10	23.64#
0.00	0.00	0.00

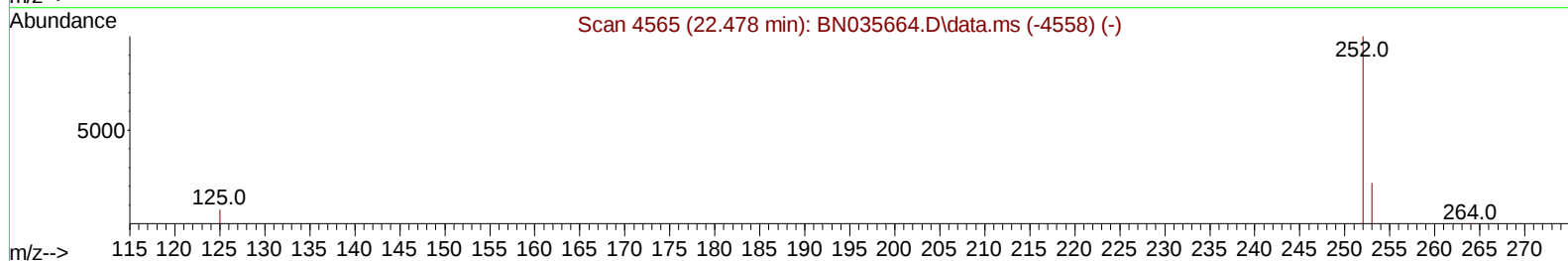
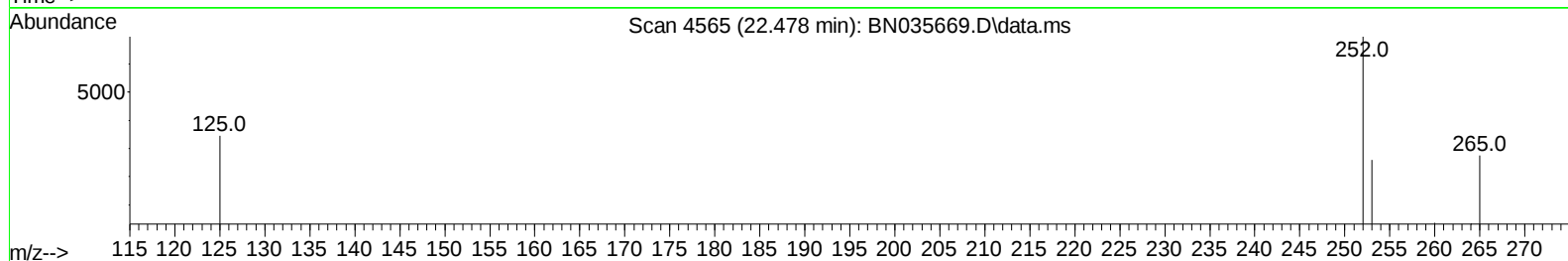
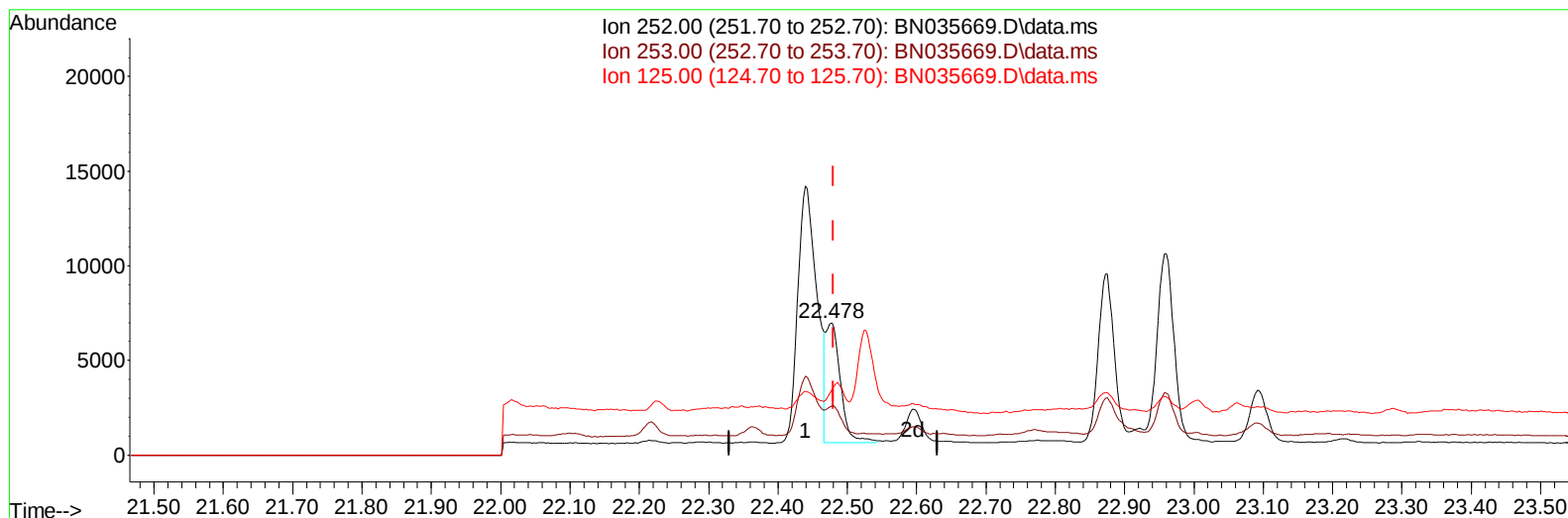
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

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TIC: BN035669.D\data.ms

(25) Benzo(k)fluoranthene

22.478min (-0.003) 0.23 ng/u1 m

response 9394

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	37.27#
125.00	19.10	49.54#
0.00	0.00	0.00

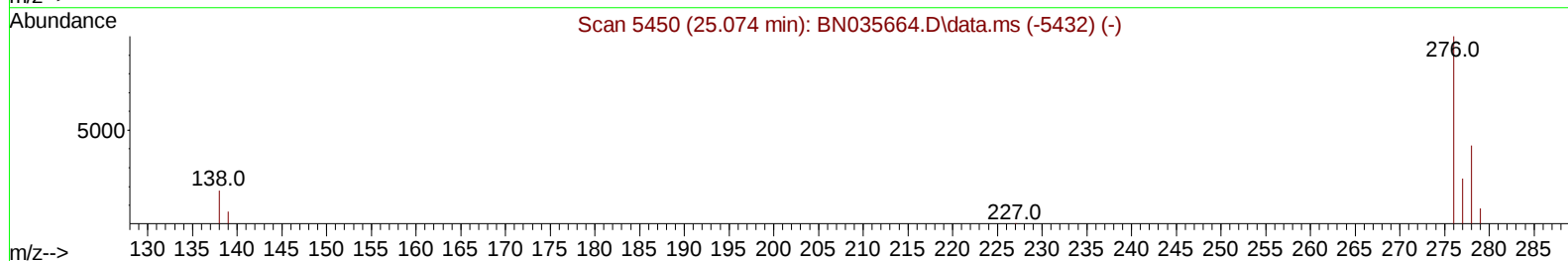
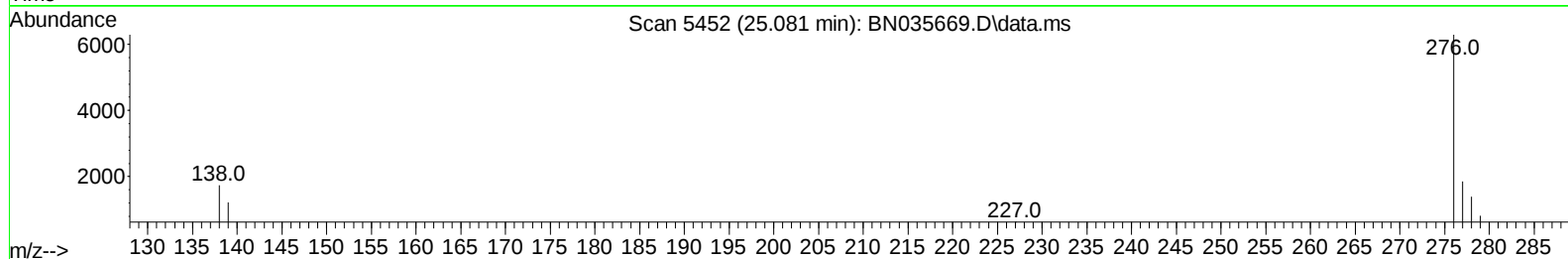
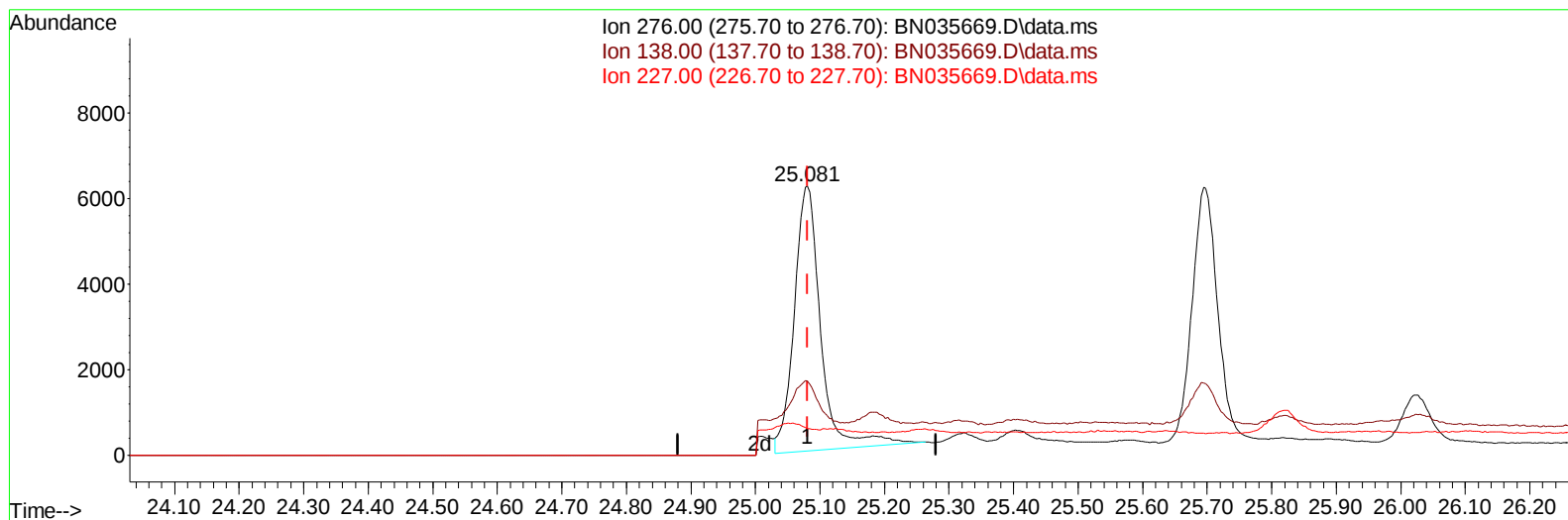
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035669.D\data.ms

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

25.081min (+ 0.000) 0.41 ng/u1

response 17674

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	16.13
227.00	27.00	0.00#
0.00	0.00	0.00

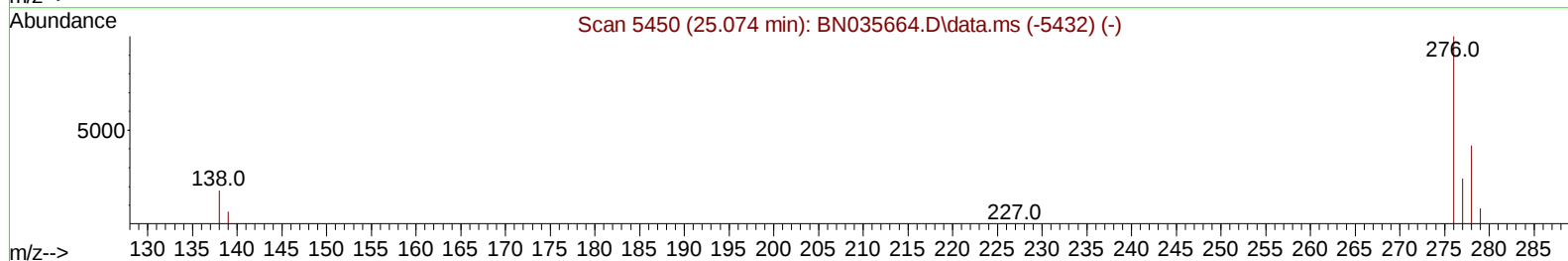
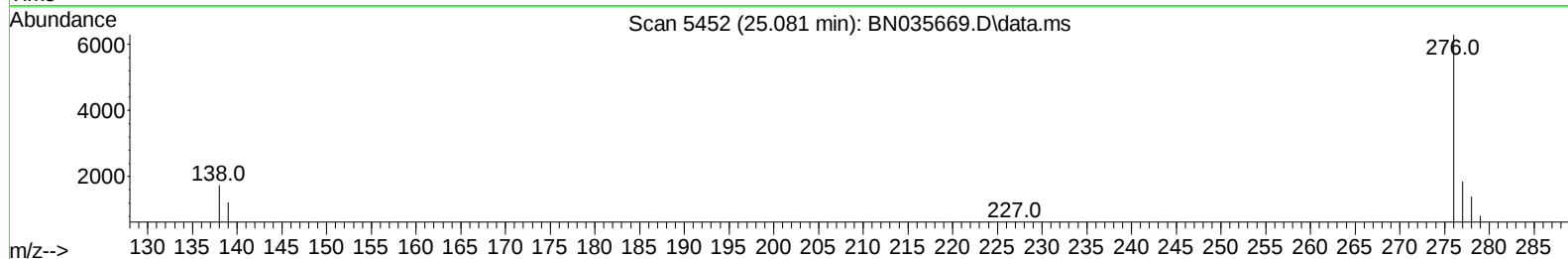
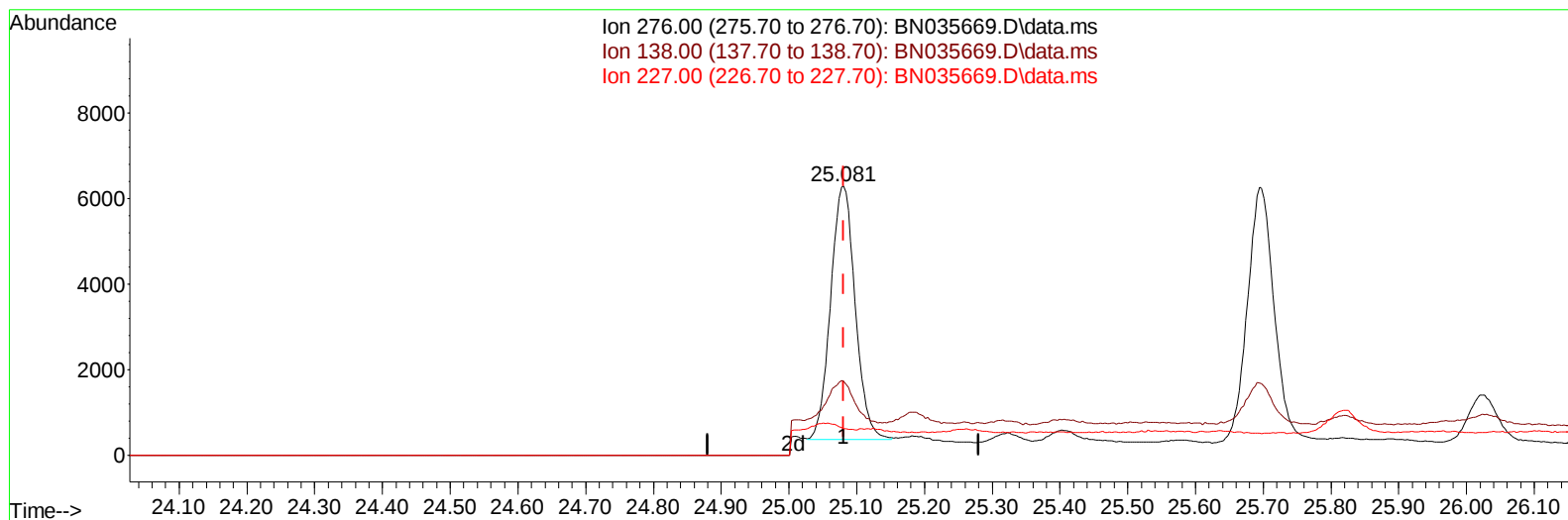
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035669.D
 Acq On : 18 Dec 2024 14:28
 Operator : RC/JU
 Sample : P5155-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 2024
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TIC: BN035669.D\data.ms

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

25.081min (+ 0.000) 0.34 ng/ul m

response 14913

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	19.11
227.00	27.00	0.00#
0.00	0.00	0.00

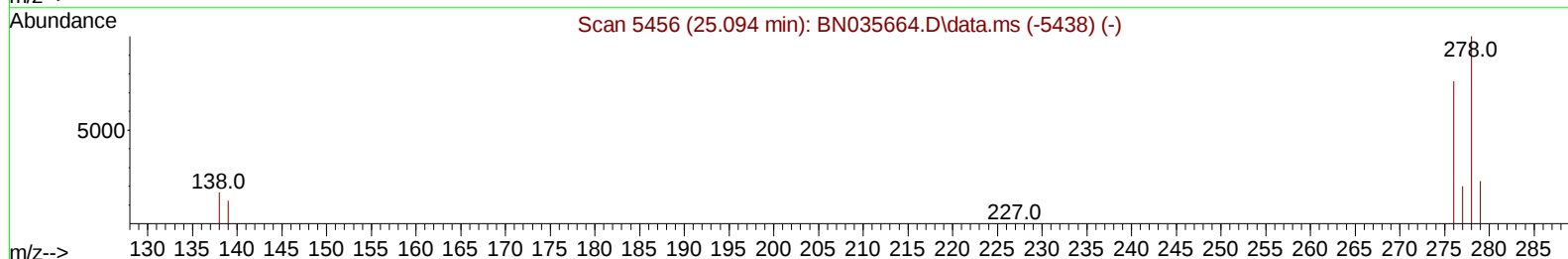
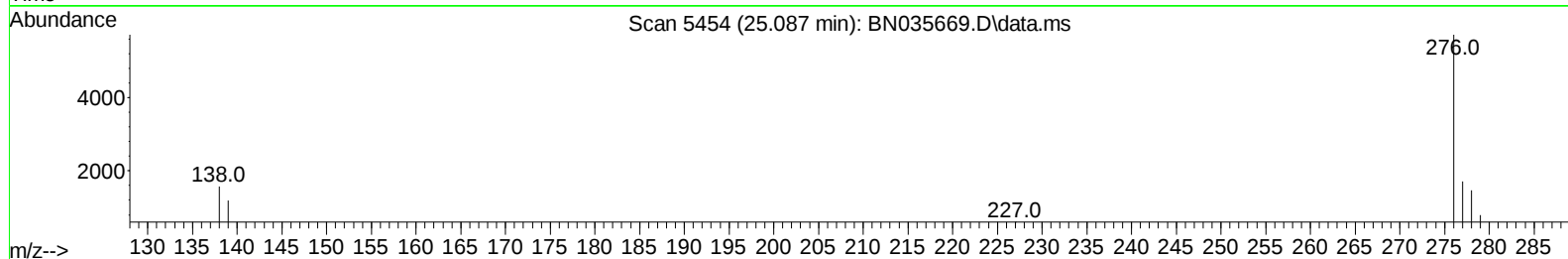
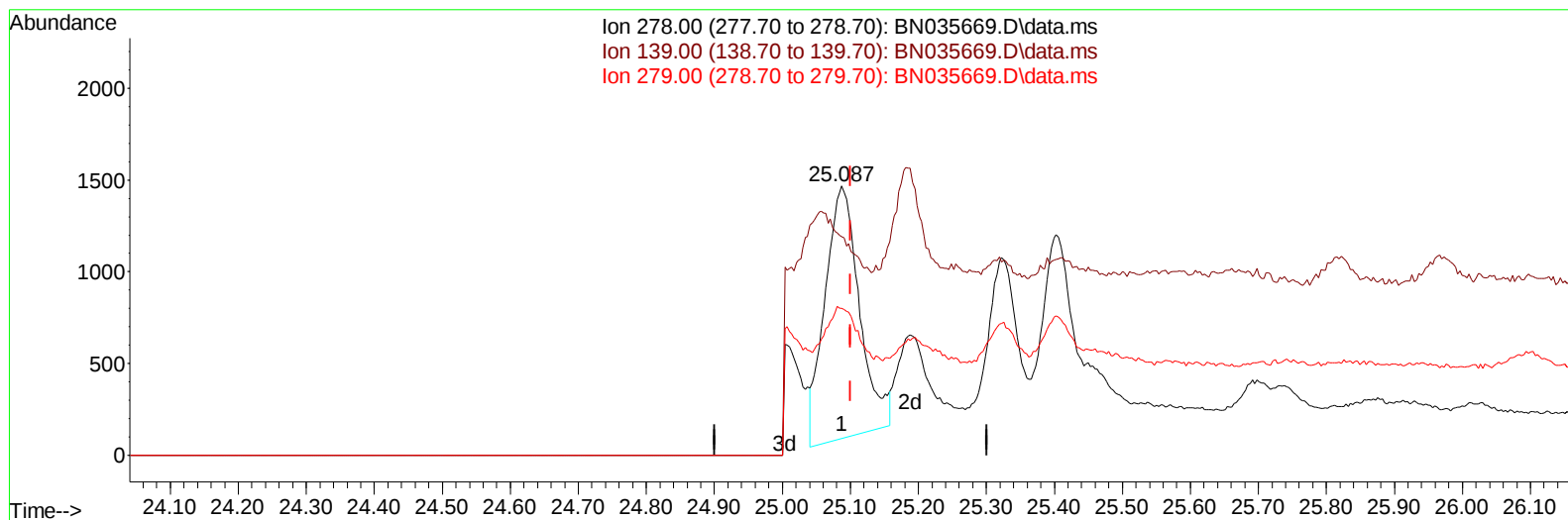
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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



TIC: BN035669.D\data.ms

(28) Dibenzo(a,h)anthracene

25.087min (-0.013) 0.15 ng/u1

response 4843

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	81.25#
279.00	30.00	54.53#
0.00	0.00	0.00

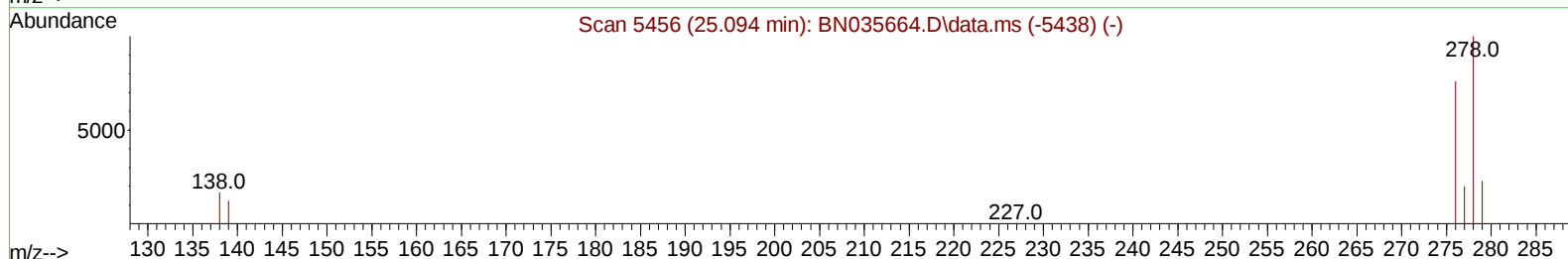
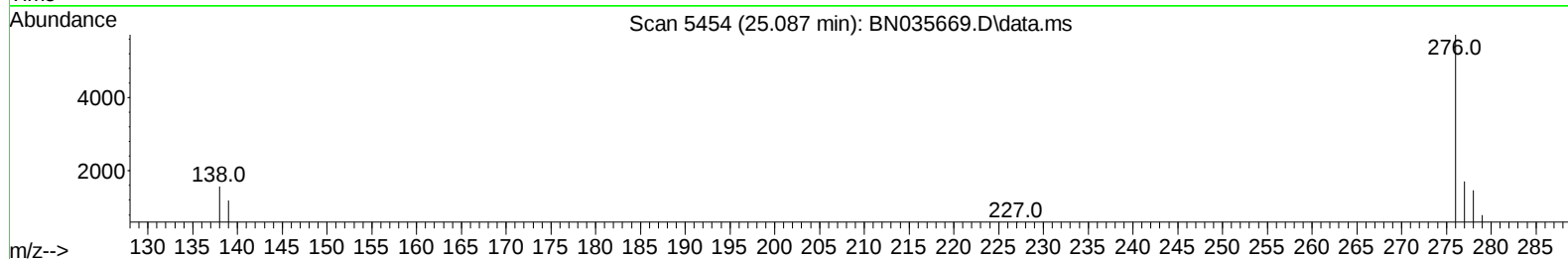
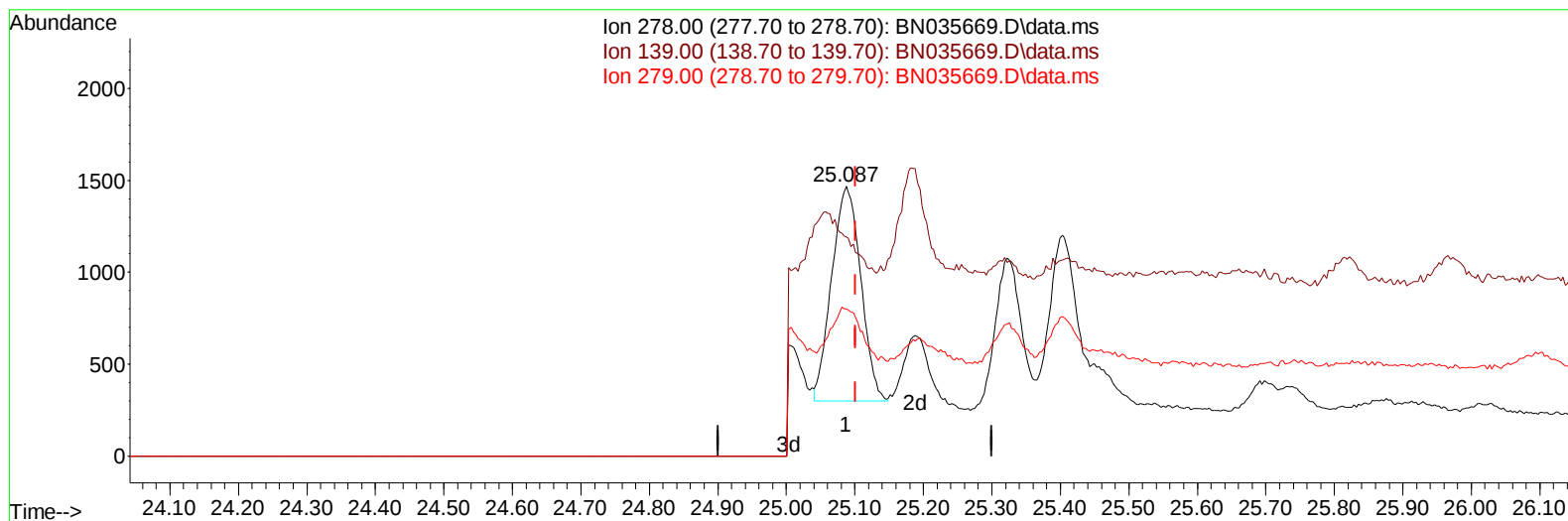
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035669.D
 Acq On : 18 Dec 2024 14:28
 Operator : RC/JU
 Sample : P5155-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 2024
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 QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/24/2024



TIC: BN035669.D\data.ms

(28) Dibenzo(a,h)anthracene

25.087min (-0.013) 0.10 ng/ul m

response 3446

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	81.25#
279.00	30.00	54.53#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035669.D
 Acq On : 18 Dec 2024 14:28
 Operator : RC/JU
 Sample : P5155-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28T5

Manual IntegrationsAPPROVED

Quant Time: Dec 18 15:06:33 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.280	152	3033	0.400	ng/ul	0.00
4) Naphthalene-d8	10.025	136	9107	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	6445	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	13923	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	11915	0.400	ng/ul	# 0.00
23) Perylene-d12	23.051	264	12524m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	7708	2.866	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2122	0.164	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	4812	0.138	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	4033m	0.181	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1817	0.121	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	927	0.059	ng/ul	98
10) Acenaphthylene	13.657	152	1031	0.041	ng/ul#	80
12) Fluorene	15.008	166	576	0.026	ng/ul#	86
15) Phenanthrene	16.755	178	12370	0.355	ng/ul	99
16) Anthracene	16.848	178	2336	0.072	ng/ul#	85
19) Fluoranthene	18.795	202	20939	0.491	ng/ul	100
20) Pyrene	19.167	202	20662	0.440	ng/ul	99
21) Benzo(a)anthracene	20.947	228	11890	0.301	ng/ul#	91
22) Chrysene	20.999	228	15885	0.387	ng/ul#	94
24) Benzo(b)fluoranthene	22.440	252	26088m	0.707	ng/ul	
25) Benzo(k)fluoranthene	22.478	252	9394m	0.230	ng/ul	
26) Benzo(a)pyrene	22.960	252	17126	0.479	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.081	276	14913m	0.343	ng/ul	
28) Dibenzo(a,h)anthracene	25.087	278	3446m	0.104	ng/ul	
29) Benzo(g,h,i)perylene	25.695	276	17186	0.492	ng/ul	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035669.D
Acq On : 18 Dec 2024 14:28
Operator : RC/JU
Sample : P5155-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28T5

Manual IntegrationsAPPROVED

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