

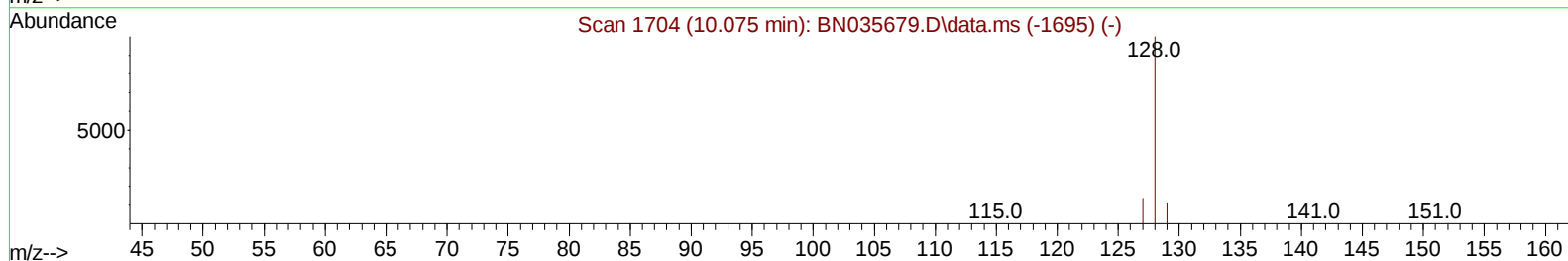
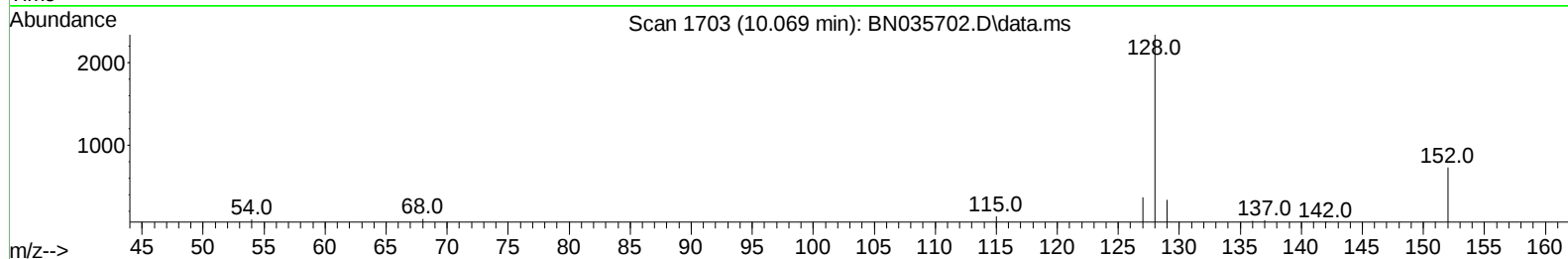
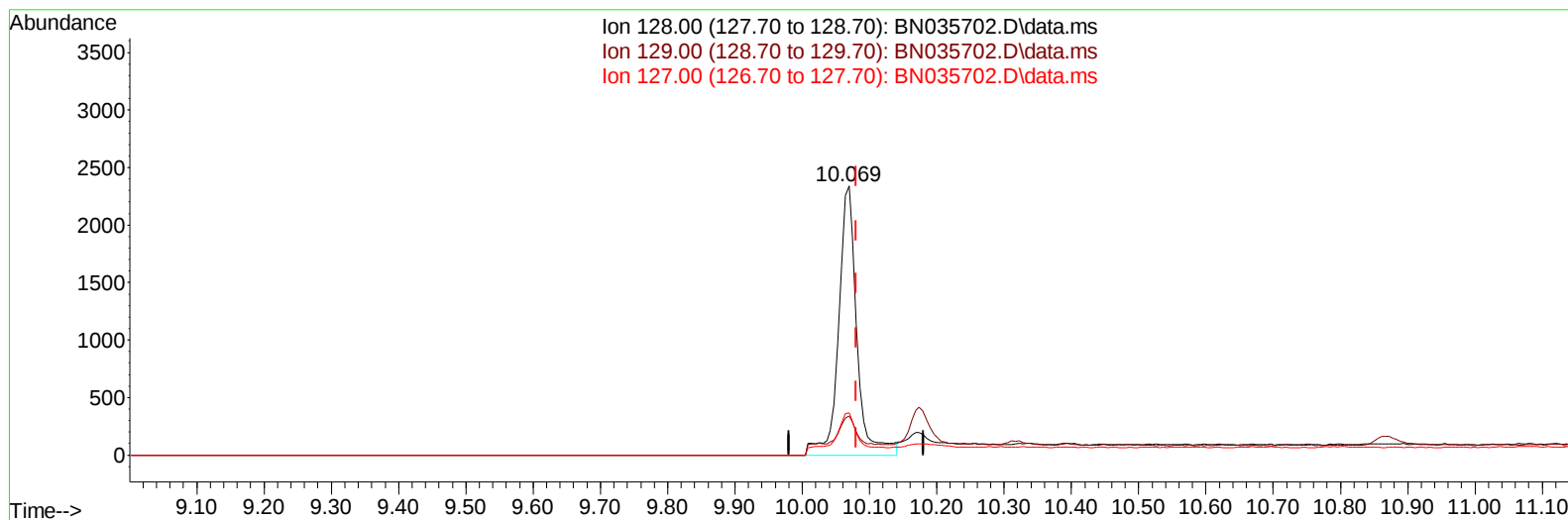
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.21 ng/u1

response 4361

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.41
127.00	15.00	15.70
0.00	0.00	0.00

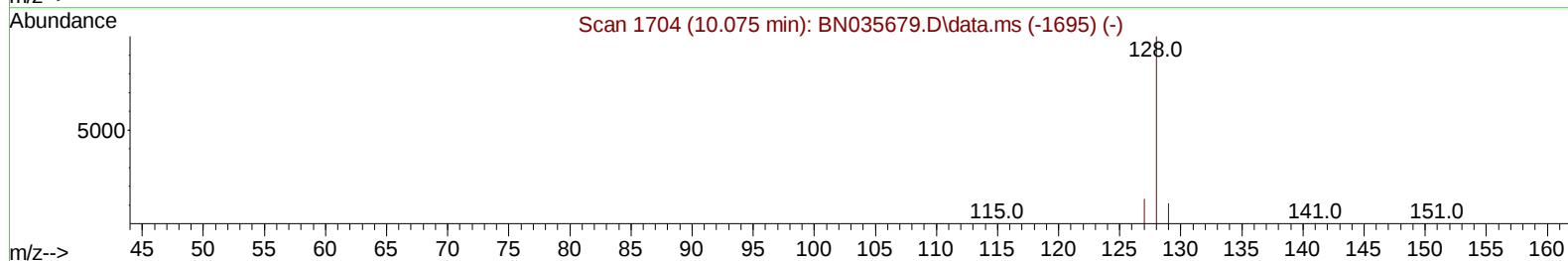
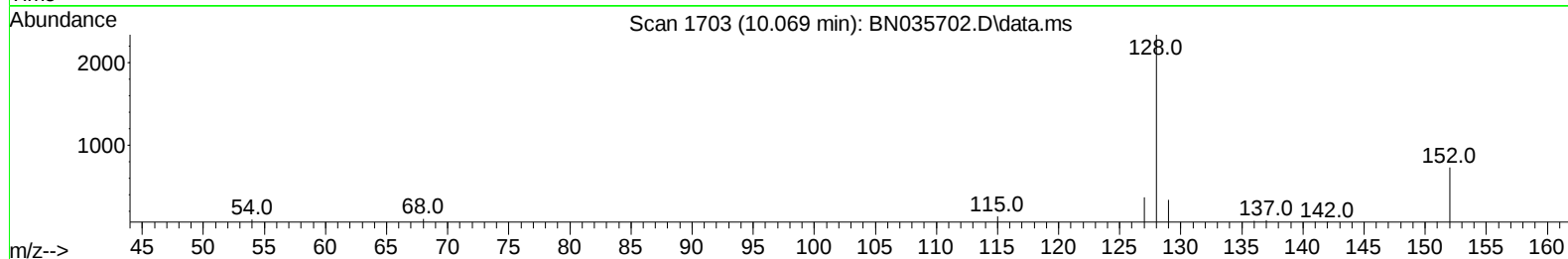
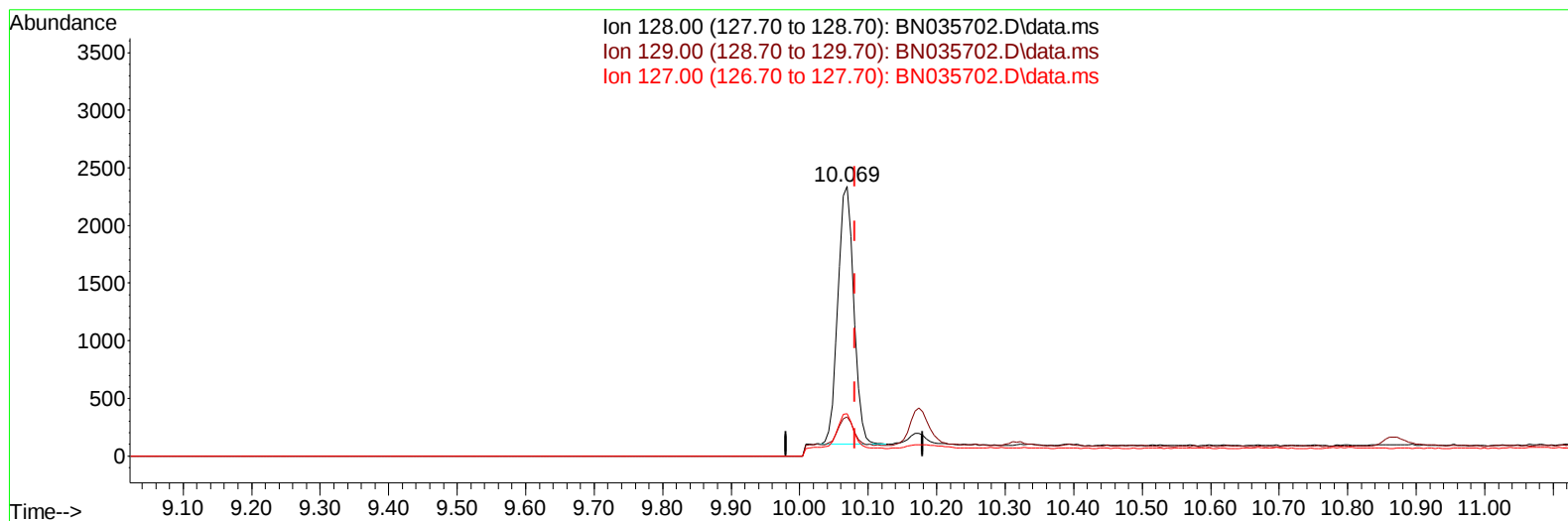
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.18 ng/ul m

response 3609

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.41
127.00	15.00	15.70
0.00	0.00	0.00

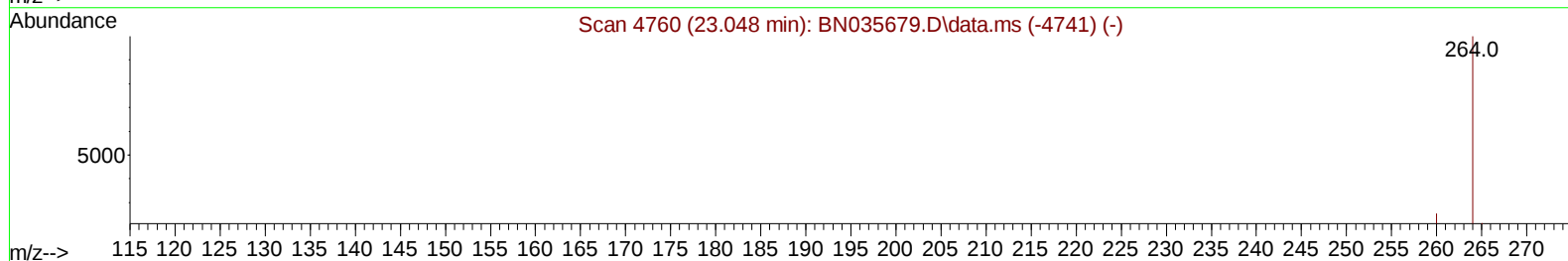
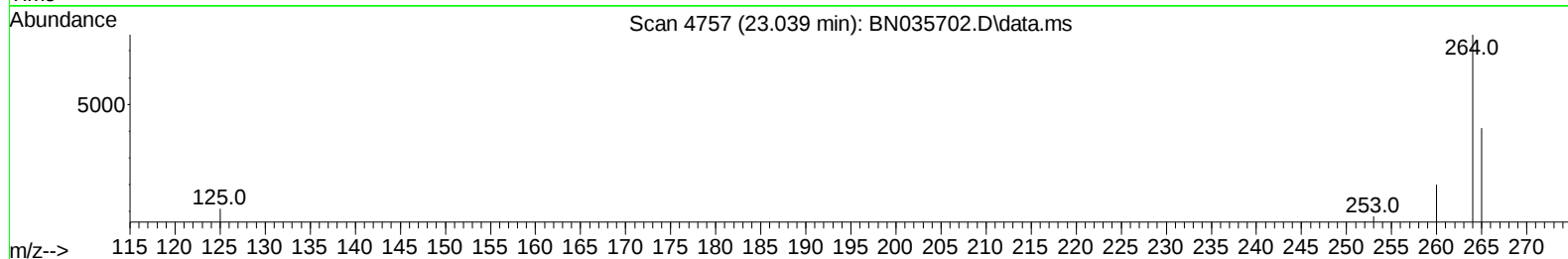
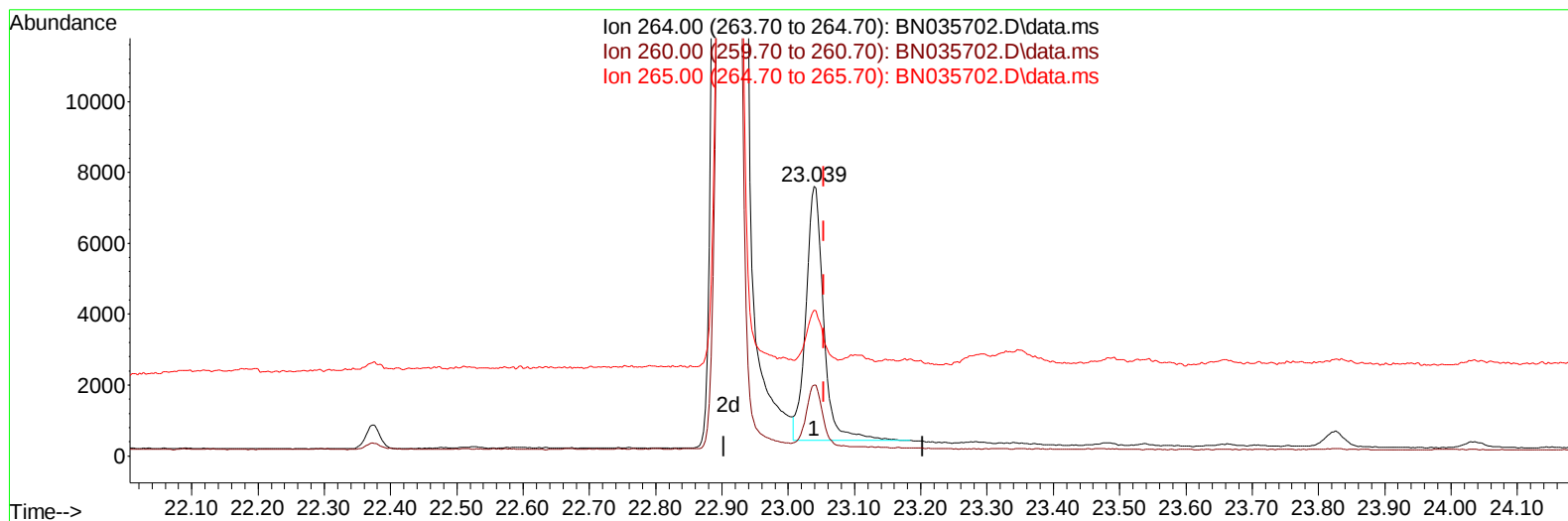
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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
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TIC: BN035702.D\data.ms

(23) Perylene-d12 (I)

23.039min (-0.015) 0.40 ng/u1

response 13430

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.41
265.00	62.10	54.15
0.00	0.00	0.00

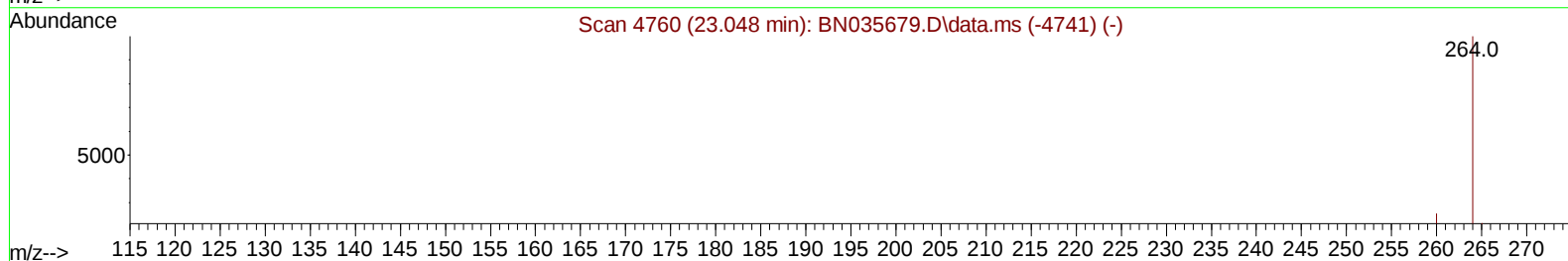
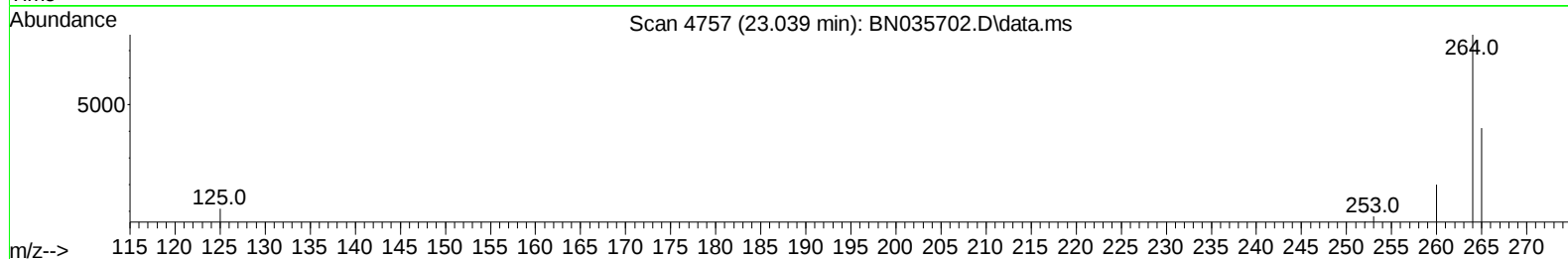
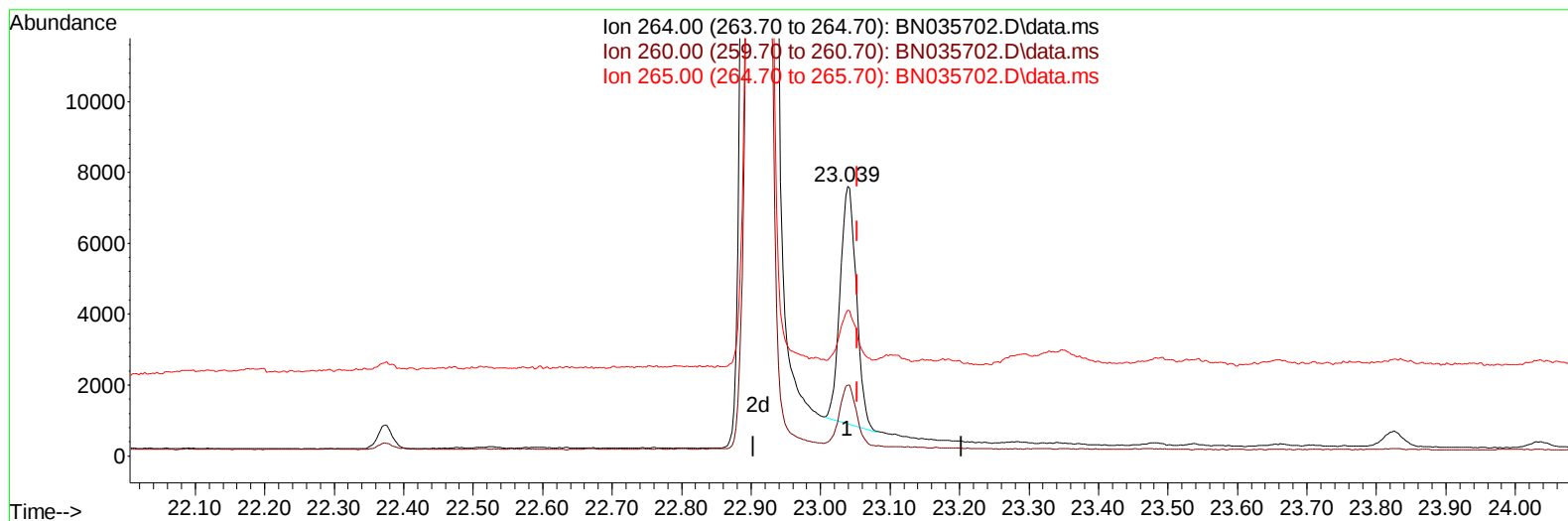
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(23) Perylene-d12 (I)

23.039min (-0.015) 0.40 ng/ul m

response 10933

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.41
265.00	62.10	54.15
0.00	0.00	0.00

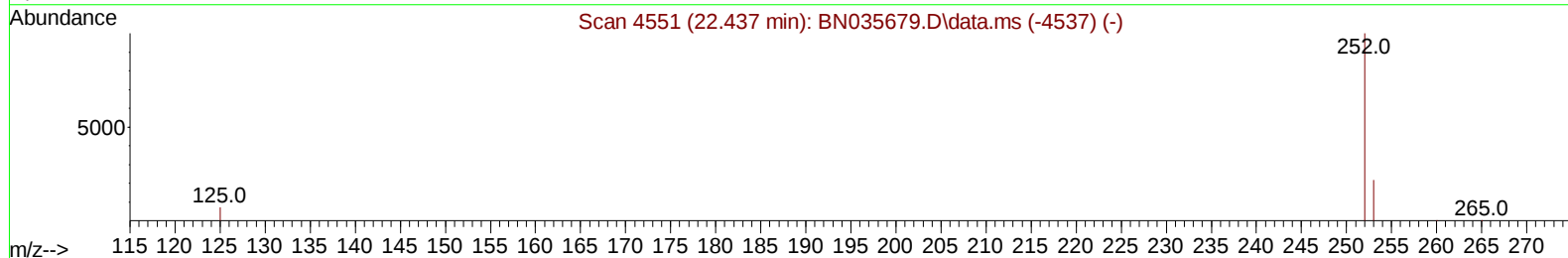
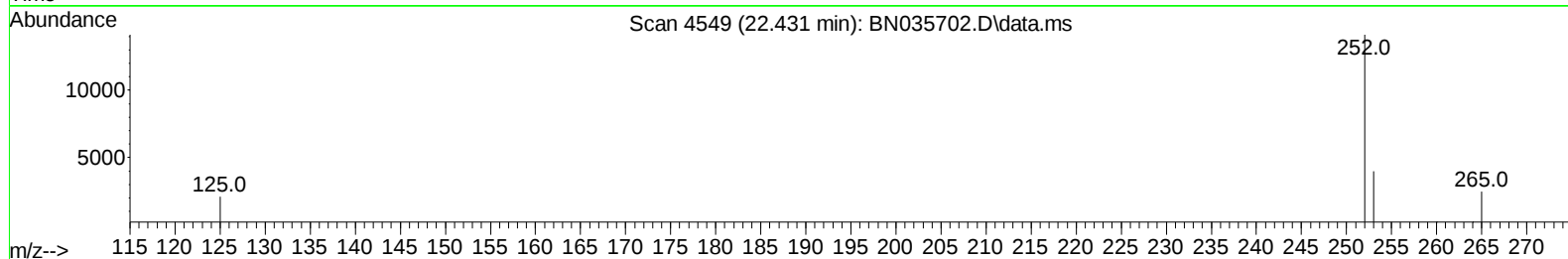
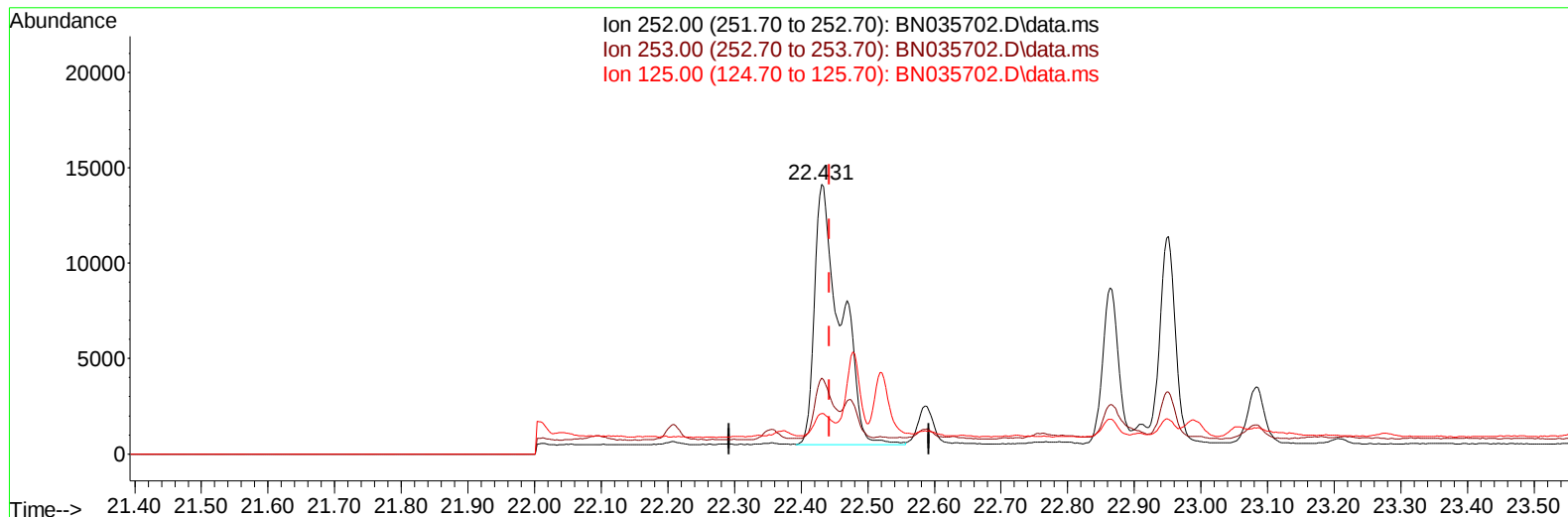
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(24) Benzo(b)fluoranthene

22.431min (-0.012) 1.16 ng/u1

response 37309

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	28.15
125.00	18.80	14.89
0.00	0.00	0.00

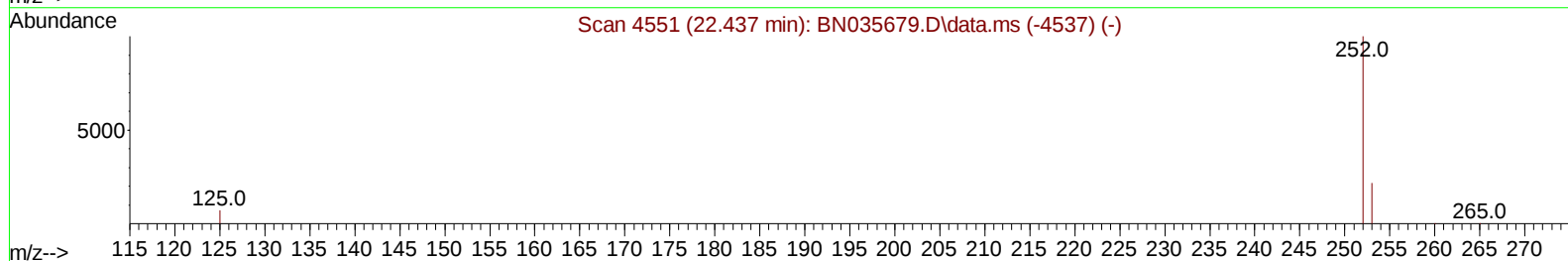
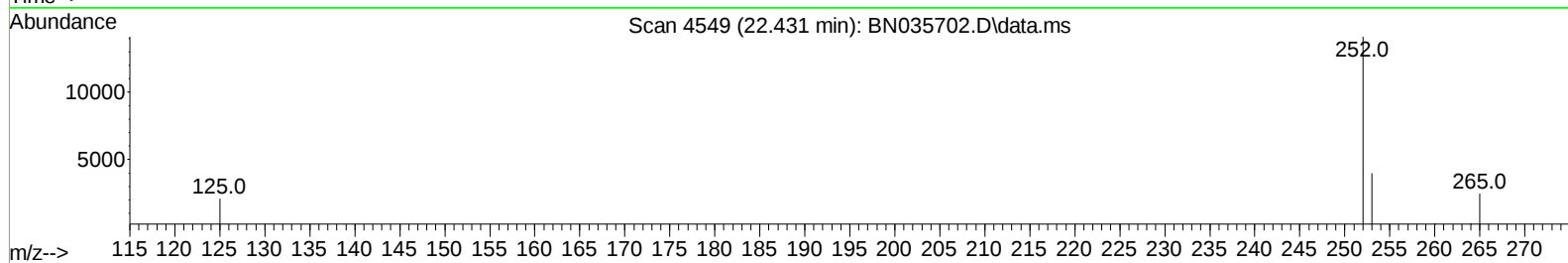
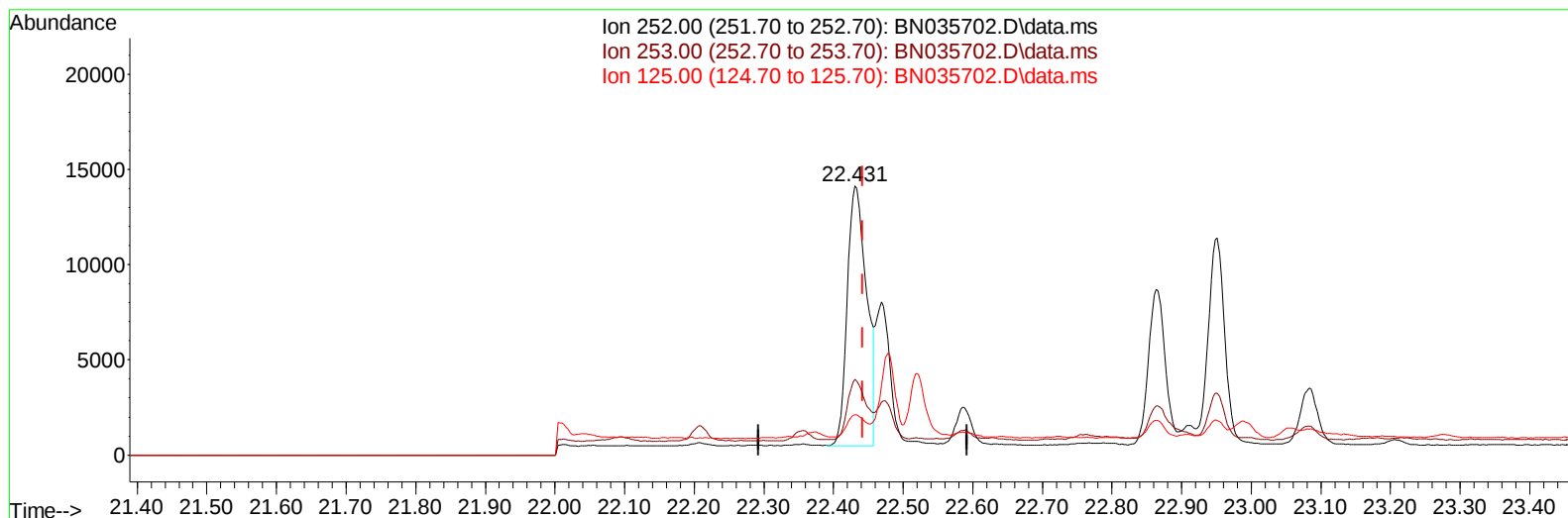
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(24) Benzo(b)fluoranthene

22.431min (-0.012) 0.81 ng/u1 m

response 26206

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	28.15
125.00	18.80	14.89
0.00	0.00	0.00

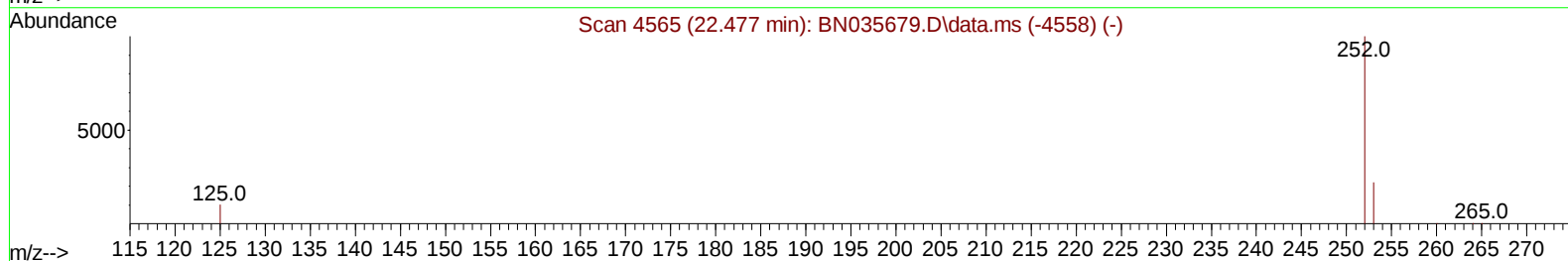
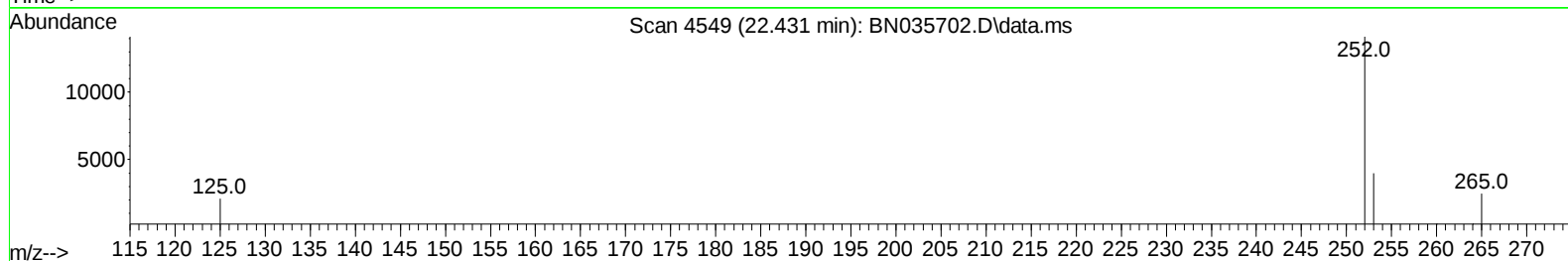
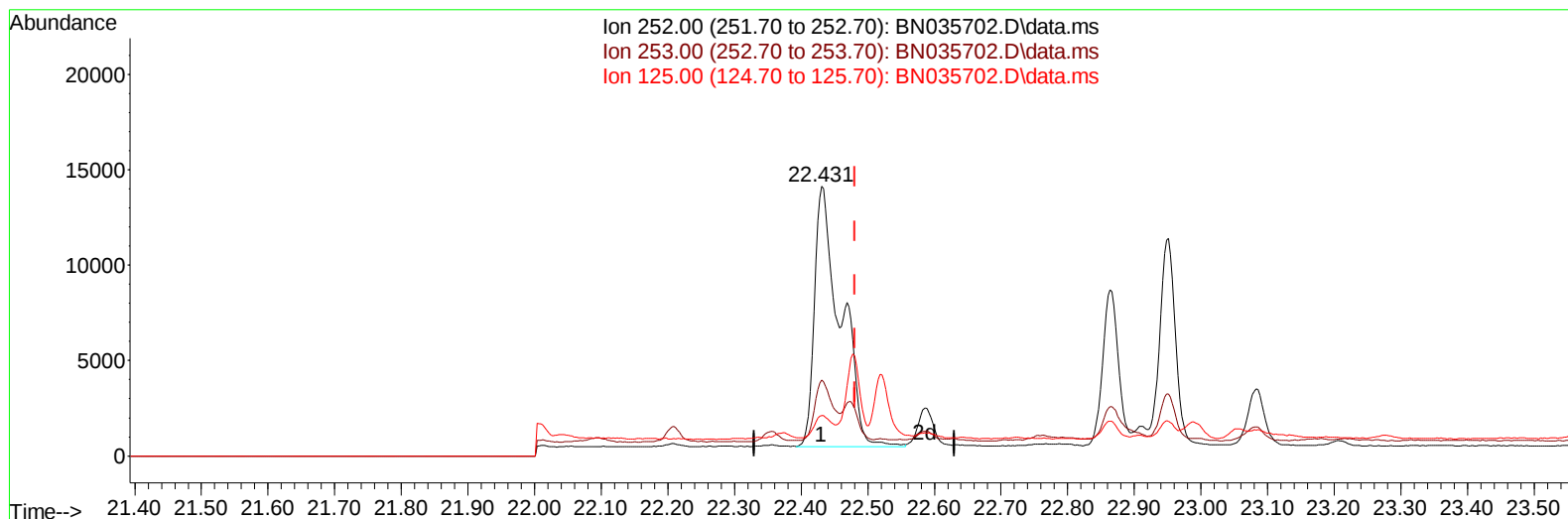
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(25) Benzo(k)fluoranthene

22.431min (-0.050) 1.05 ng/u1

response 37309

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	28.15
125.00	19.10	14.89#
0.00	0.00	0.00

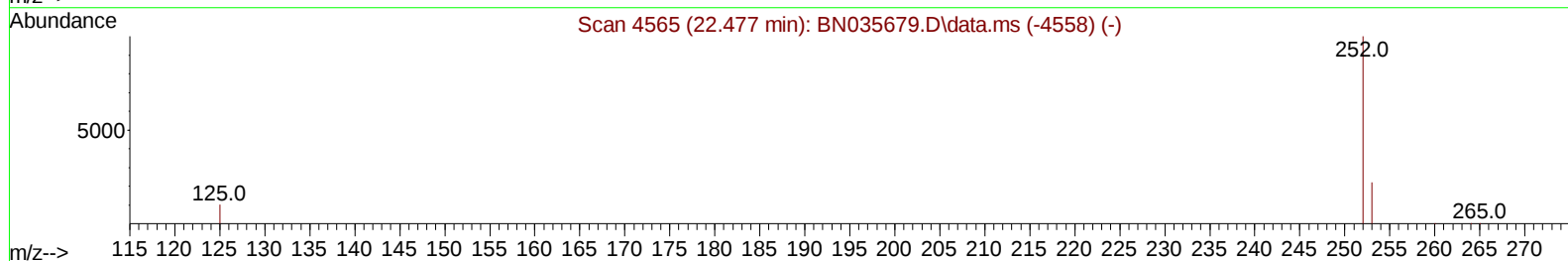
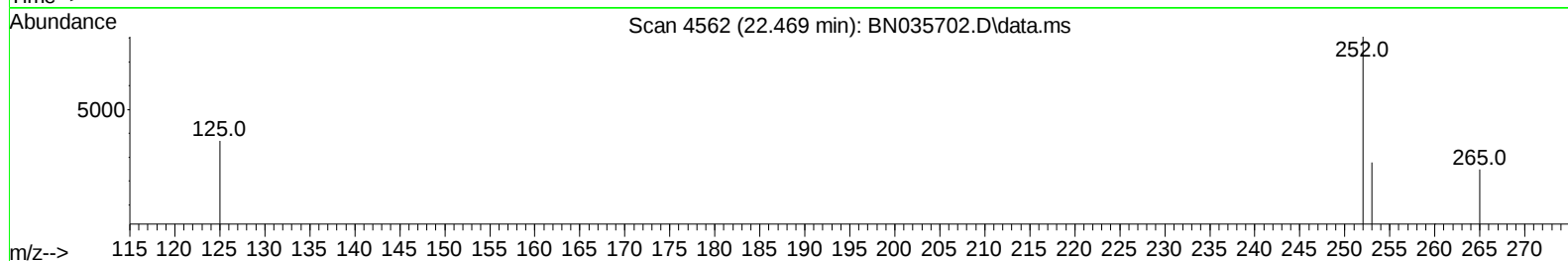
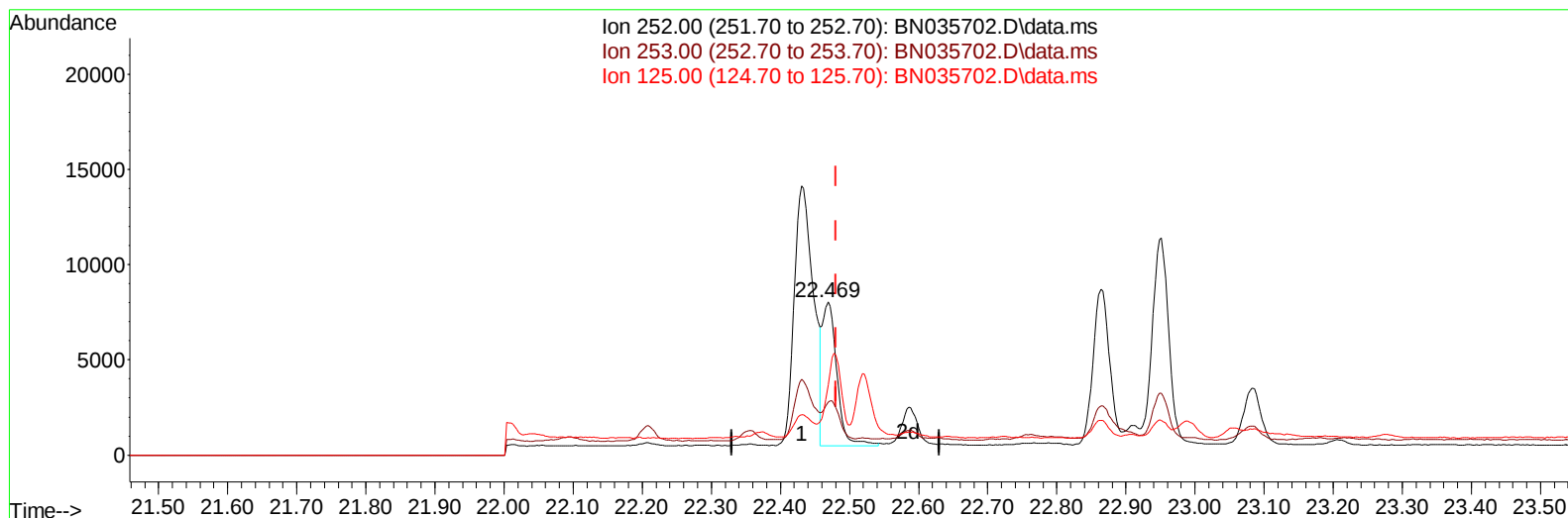
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.012) 0.31 ng/u1 m

response 11126

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	34.45#
125.00	19.10	45.88#
0.00	0.00	0.00

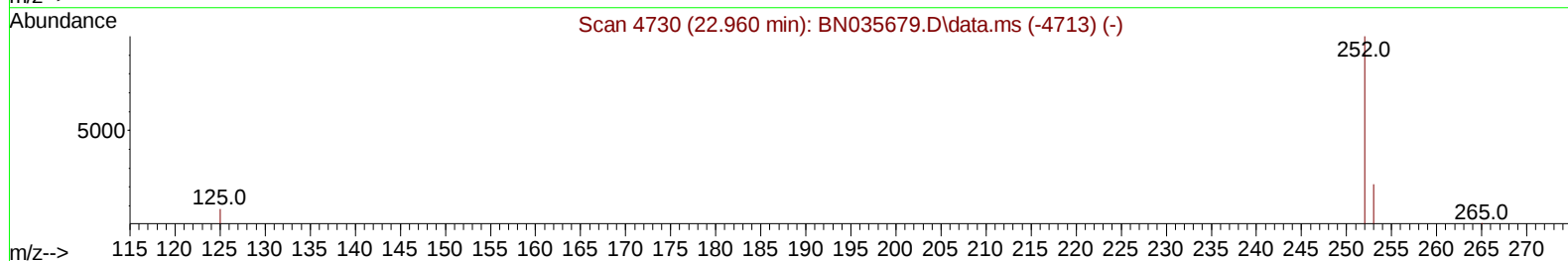
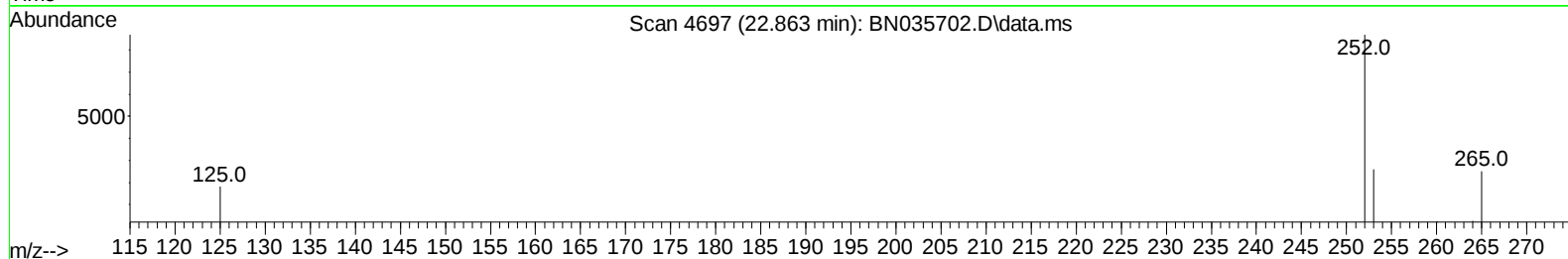
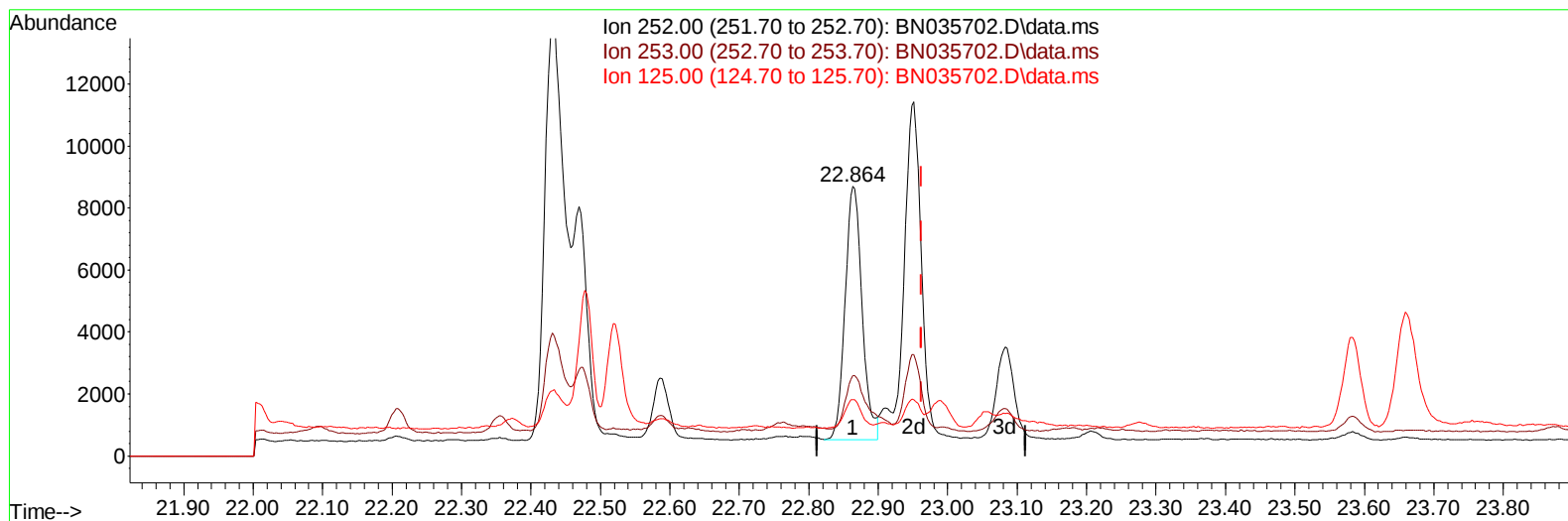
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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TIC: BN035702.D\data.ms

(26) Benzo(a)pyrene (C)

22.863min (-0.099) 0.44 ng/u1

response 13885

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	29.86
125.00	23.90	20.93
0.00	0.00	0.00

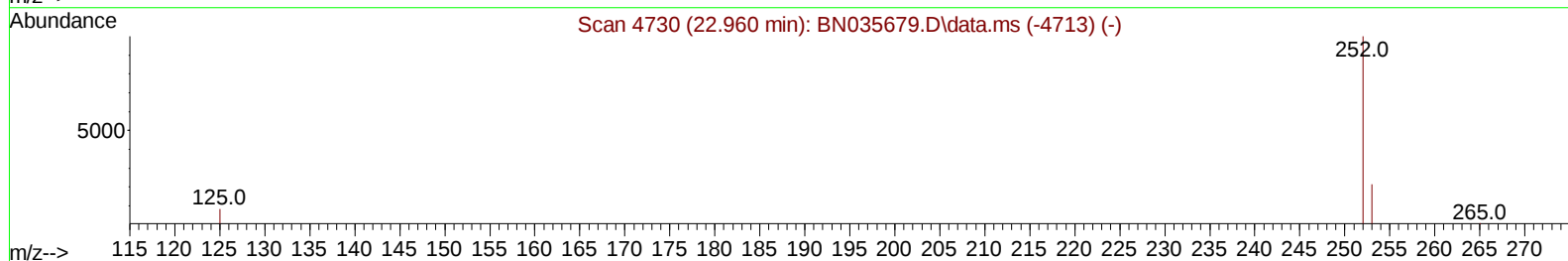
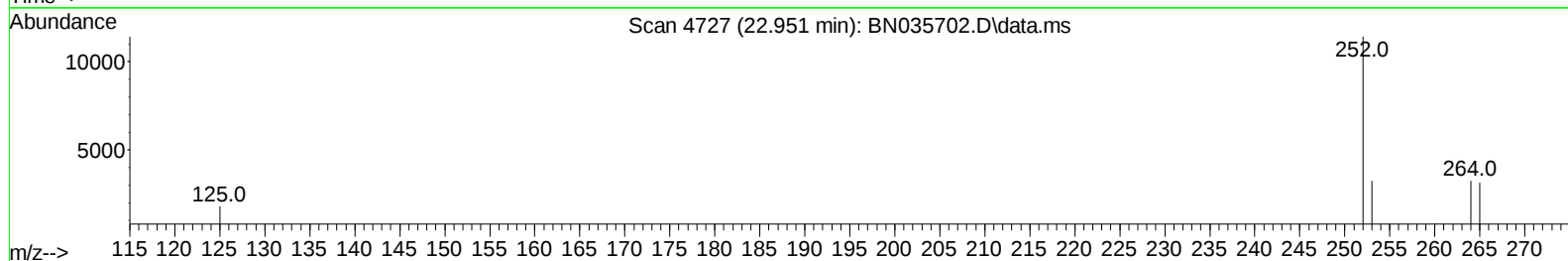
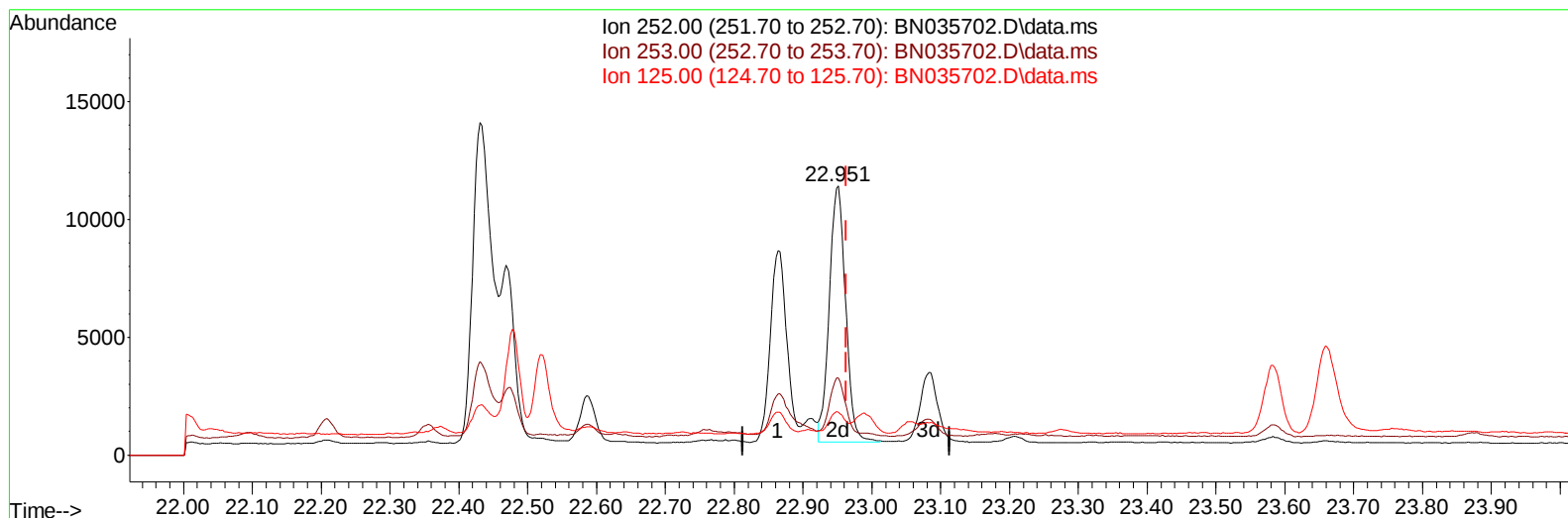
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(26) Benzo(a)pyrene (C)

22.951min (-0.012) 0.57 ng/u1 m

response 17850

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	28.57
125.00	23.90	15.87#
0.00	0.00	0.00

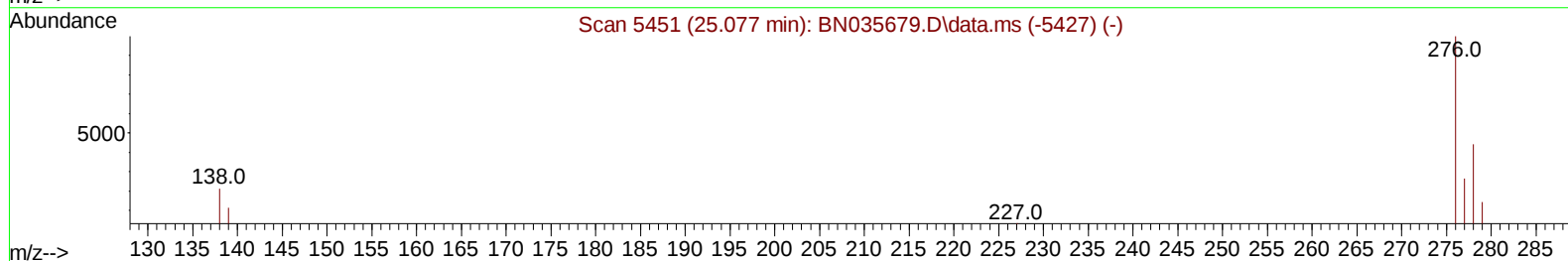
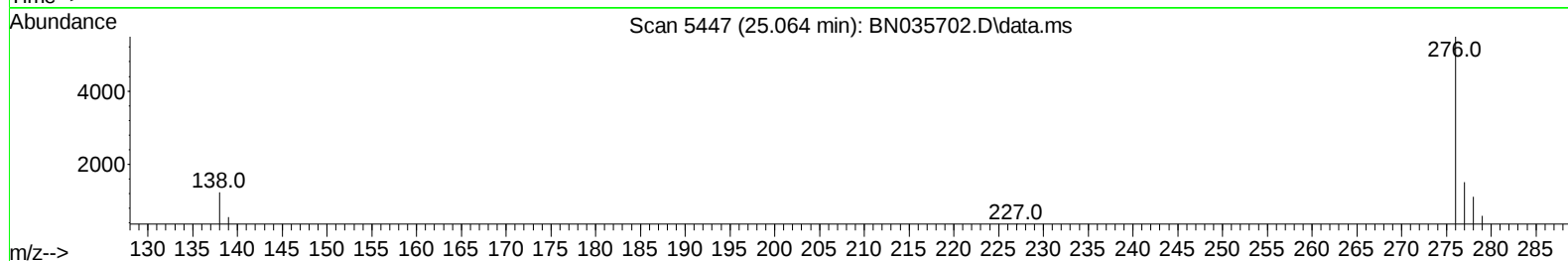
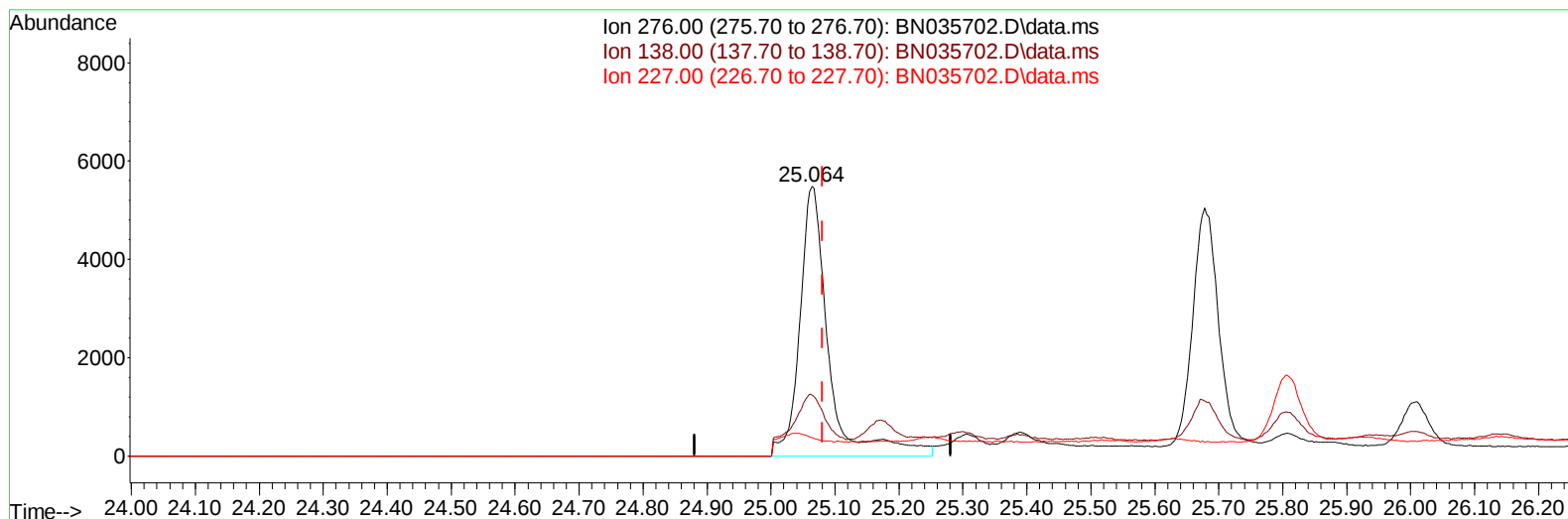
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Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 2024
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TIC: BN035702.D\data.ms

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

25.064min (-0.017) 0.45 ng/u1

response 17048

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	31.38#
227.00	27.00	0.00#
0.00	0.00	0.00

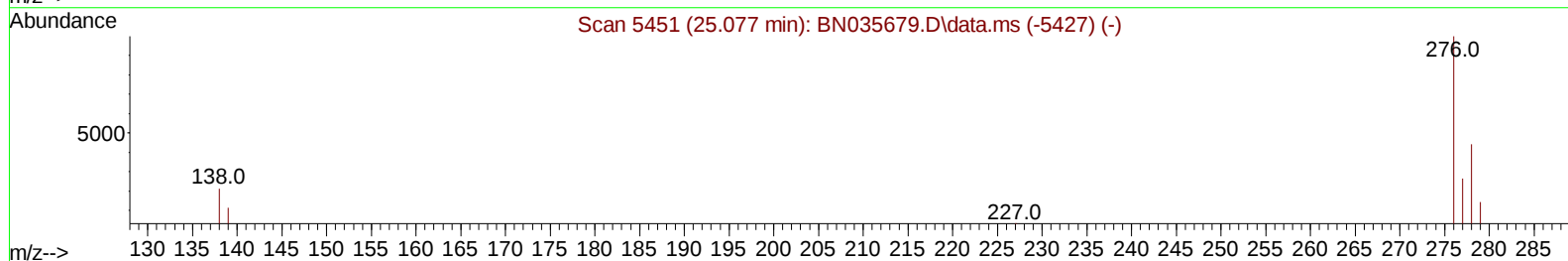
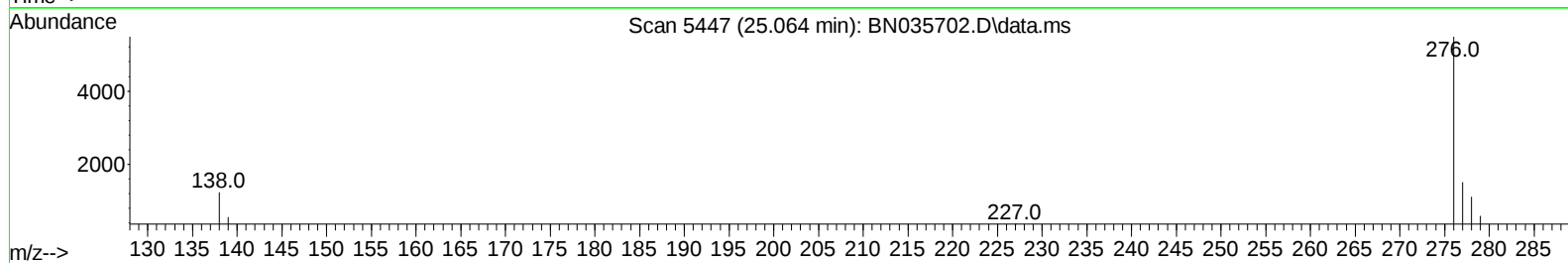
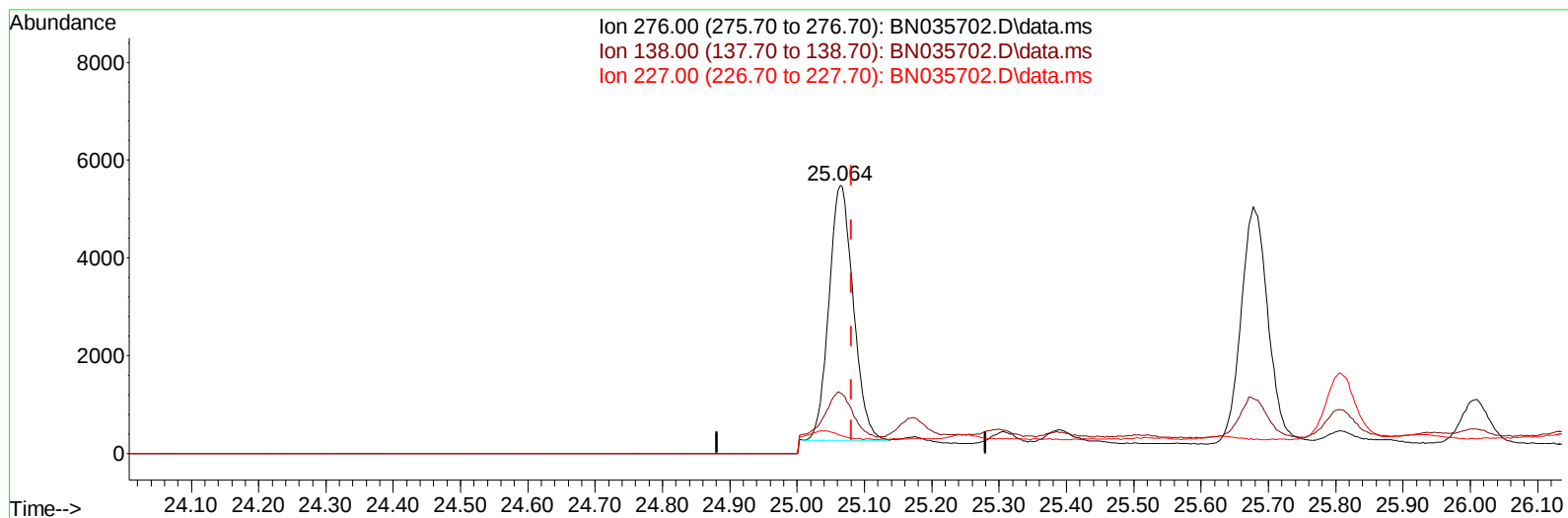
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

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

25.064min (-0.017) 0.35 ng/u1 m

response 13107

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	40.82#
227.00	27.00	0.00#
0.00	0.00	0.00

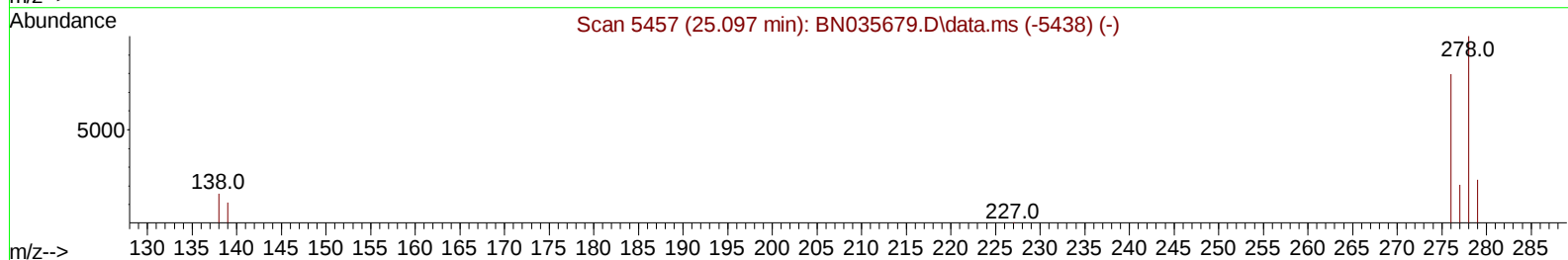
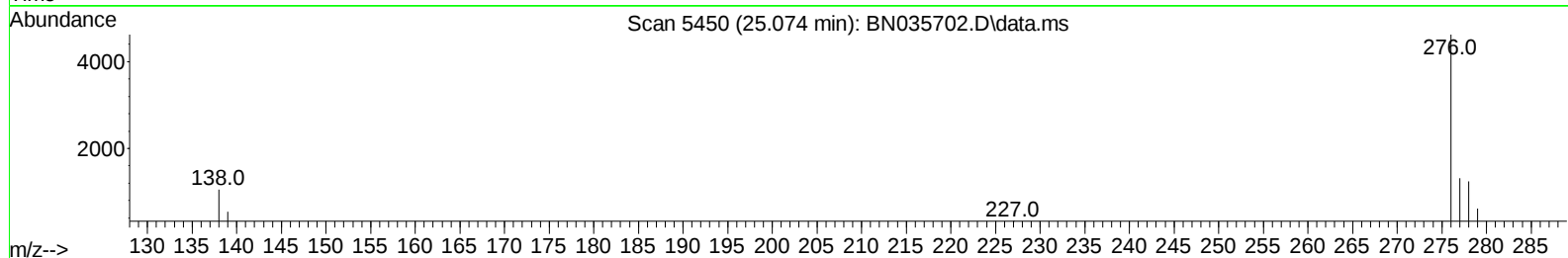
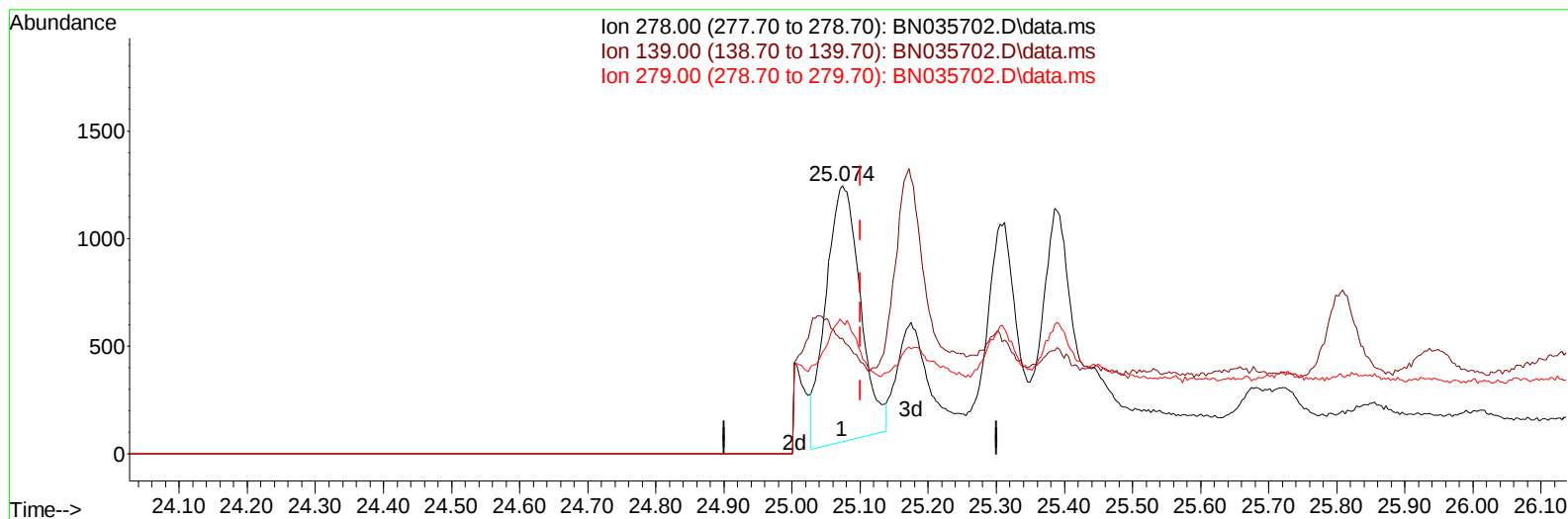
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 19 13:28:35 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BN035702.D\data.ms

(28) Dibenzo(a,h)anthracene

25.074min (-0.027) 0.14 ng/u1

response 4180

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	43.21#
279.00	30.00	49.24#
0.00	0.00	0.00

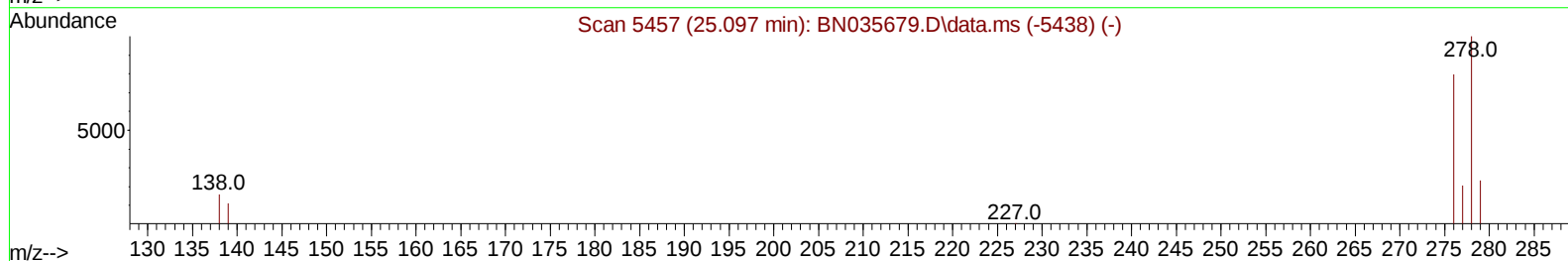
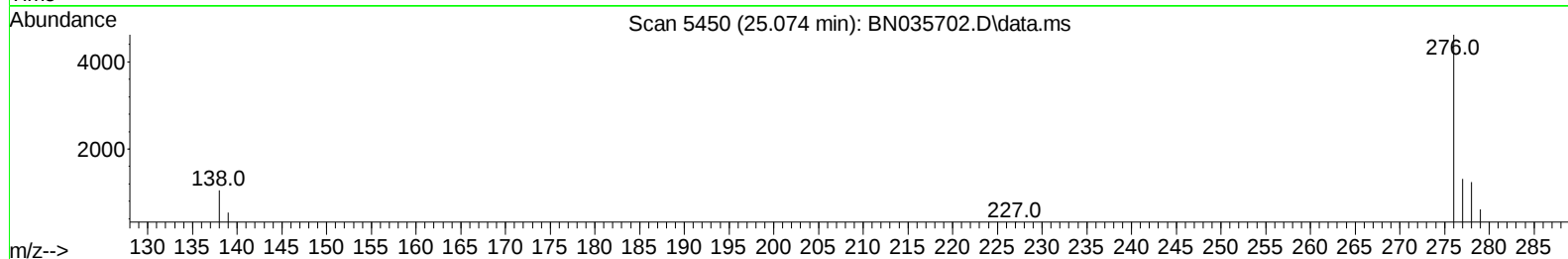
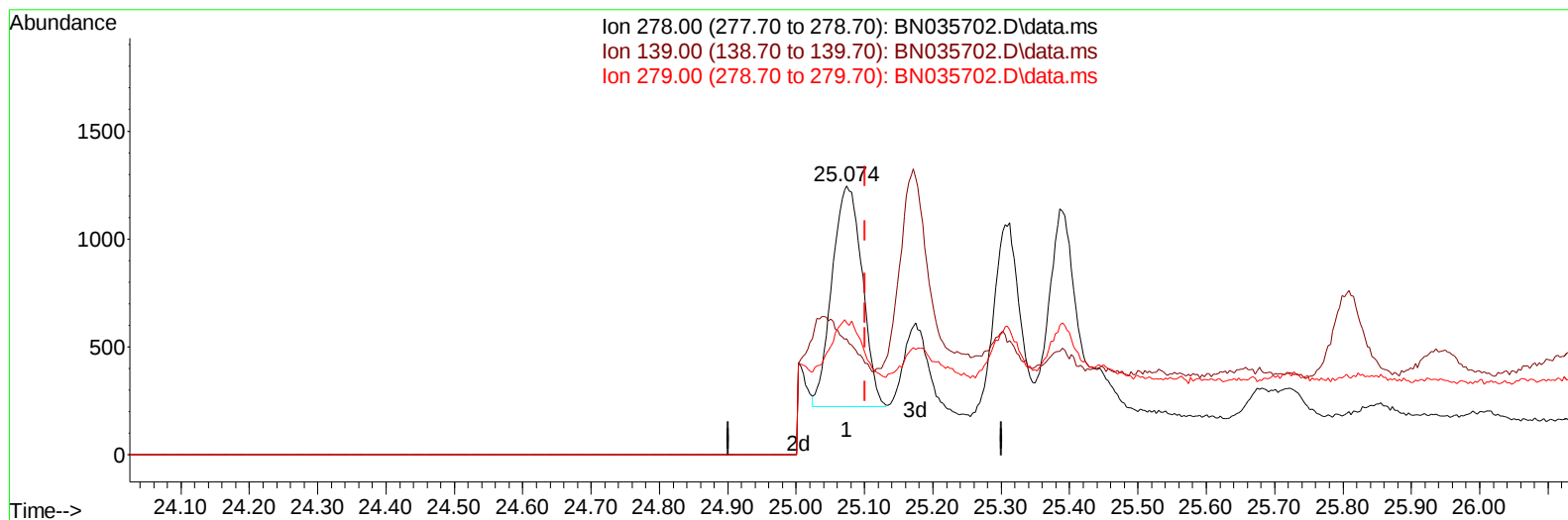
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035702.D
Acq On : 19 Dec 2024 12:41
Operator : RC/JU
Sample : P5258-19
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Y2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 19 13:28:35 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: BN035702.D\data.ms

(28) Dibenzo(a,h)anthracene

25.074min (-0.027) 0.11 ng/ul m

response 3128

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	43.21#
279.00	30.00	49.24#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035702.D
 Acq On : 19 Dec 2024 12:41
 Operator : RC/JU
 Sample : P5258-19
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Y2

Manual IntegrationsAPPROVED

Quant Time: Dec 19 13:28:35 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	7.276	152	3209	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136	8343	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.935	164	6147	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.705	188	12938	0.400	ng/ul	-0.01
17) Chrysene-d12	20.955	240	11153	0.400	ng/ul	0.00
23) Perylene-d12	23.039	264	10933m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	12520	4.400	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.620	152	3138	0.264	ng/ul	-0.02
18) Fluoranthene-d10	18.758	212	6427	0.197	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.069	128	3609m	0.176	ng/ul	
7) 2-Methylnaphthalene	11.697	142	1256	0.091	ng/ul	99
8) 1-Methylnaphthalene	11.923	142	1078	0.076	ng/ul	99
10) Acenaphthylene	13.648	152	967	0.041	ng/ul#	76
11) Acenaphthene	14.000	153	1256	0.070	ng/ul	98
12) Fluorene	15.004	166	1454	0.069	ng/ul#	96
15) Phenanthrene	16.747	178	21273	0.657	ng/ul	99
16) Anthracene	16.840	178	4997	0.165	ng/ul#	95
19) Fluoranthene	18.791	202	41091	1.030	ng/ul	100
20) Pyrene	19.158	202	35472	0.807	ng/ul	99
21) Benzo(a)anthracene	20.941	228	18530	0.501	ng/ul	98
22) Chrysene	20.990	228	21184	0.552	ng/ul	97
24) Benzo(b)fluoranthene	22.431	252	26206m	0.813	ng/ul	
25) Benzo(k)fluoranthene	22.469	252	11126m	0.312	ng/ul	
26) Benzo(a)pyrene	22.951	252	17850m	0.572	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.064	276	13107m	0.345	ng/ul	
28) Dibenzo(a,h)anthracene	25.074	278	3128m	0.108	ng/ul	
29) Benzo(g,h,i)perylene	25.678	276	13733	0.450	ng/ul	98

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

