

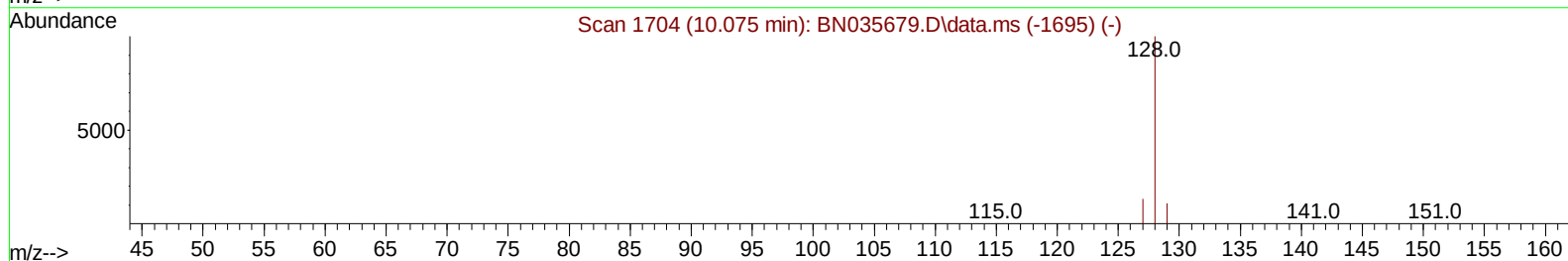
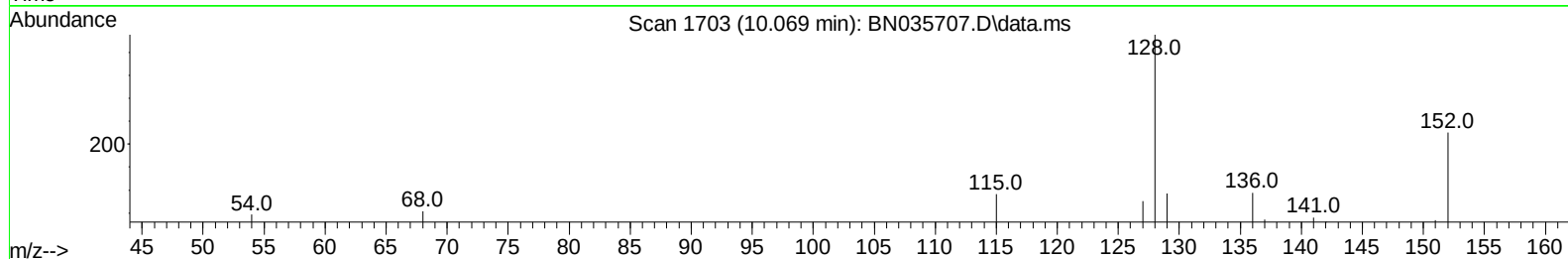
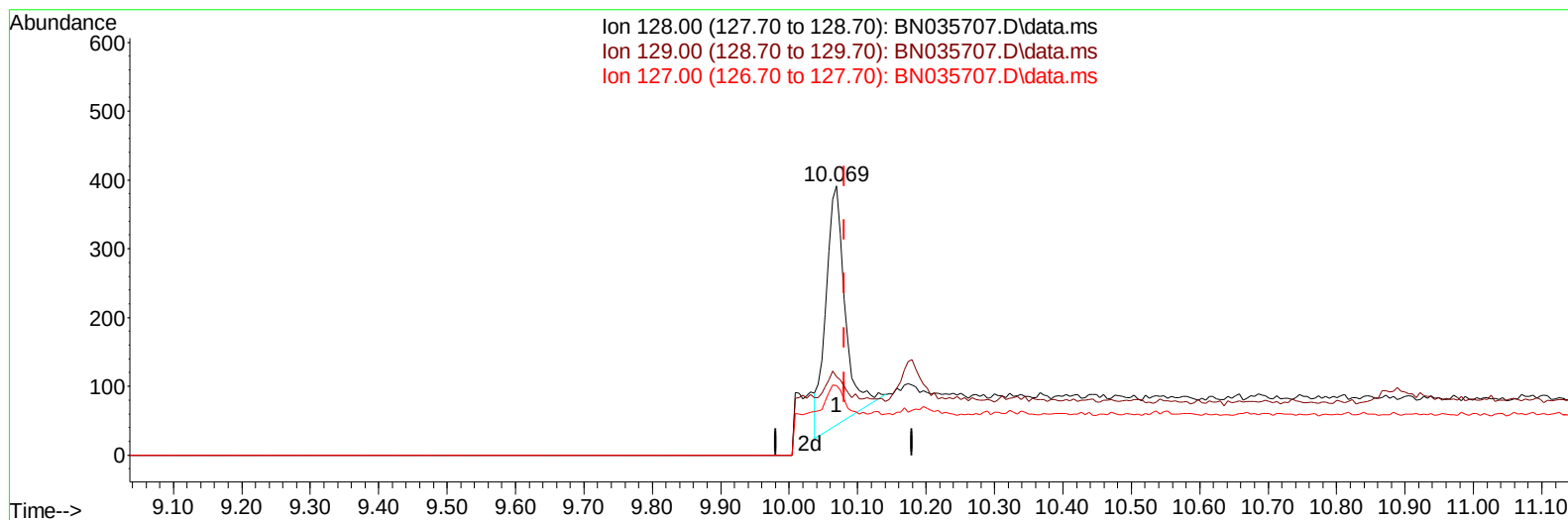
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.03 ng/u1

response 687

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.16#
127.00	15.00	25.83#
0.00	0.00	0.00

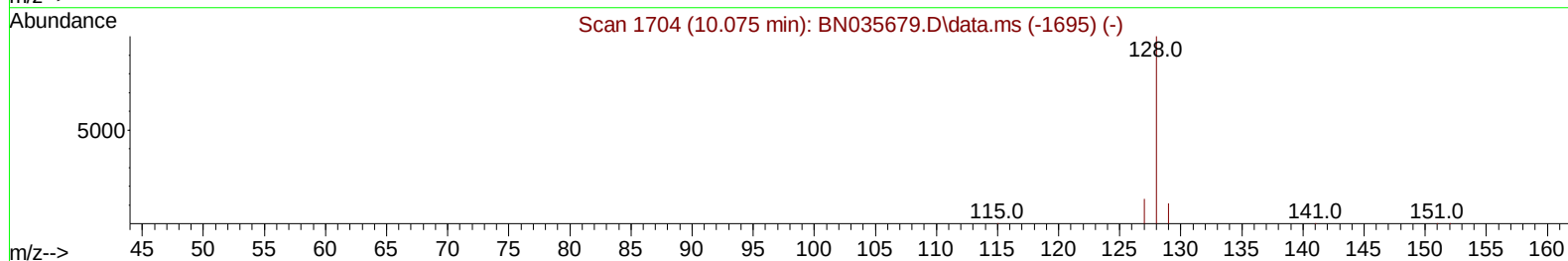
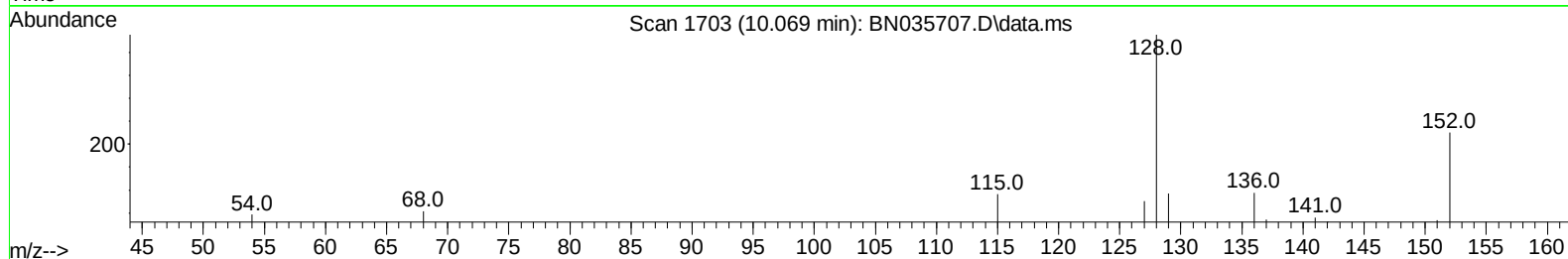
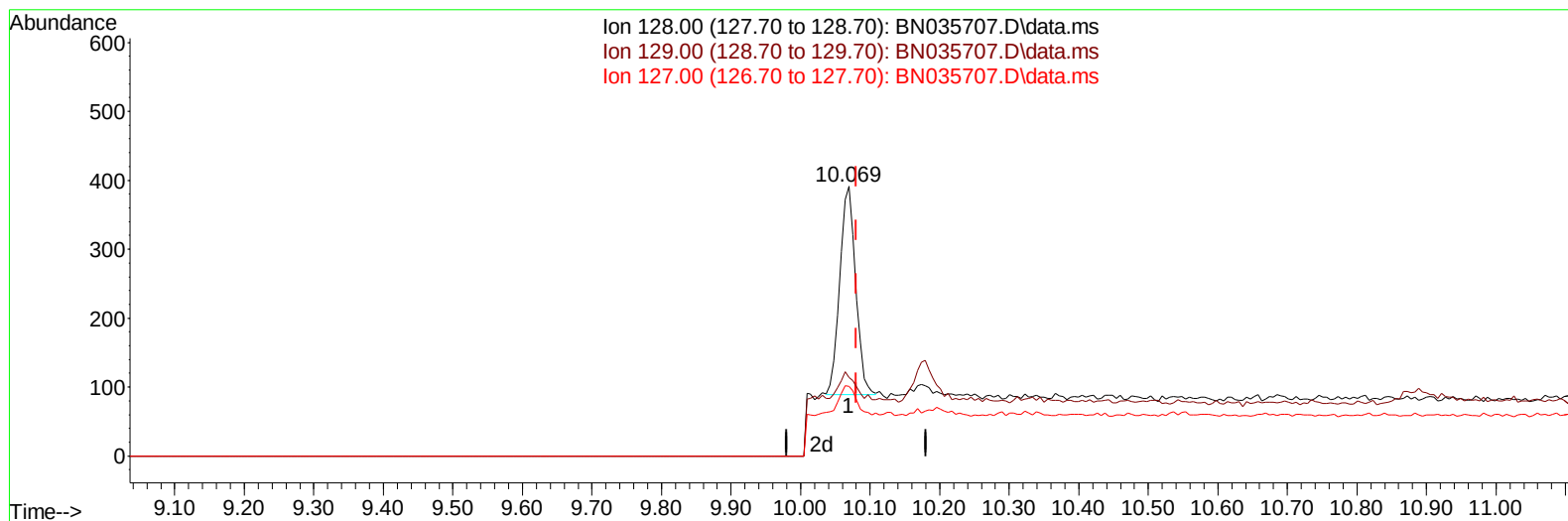
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.02 ng/ul m

response 481

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.16#
127.00	15.00	25.83#
0.00	0.00	0.00

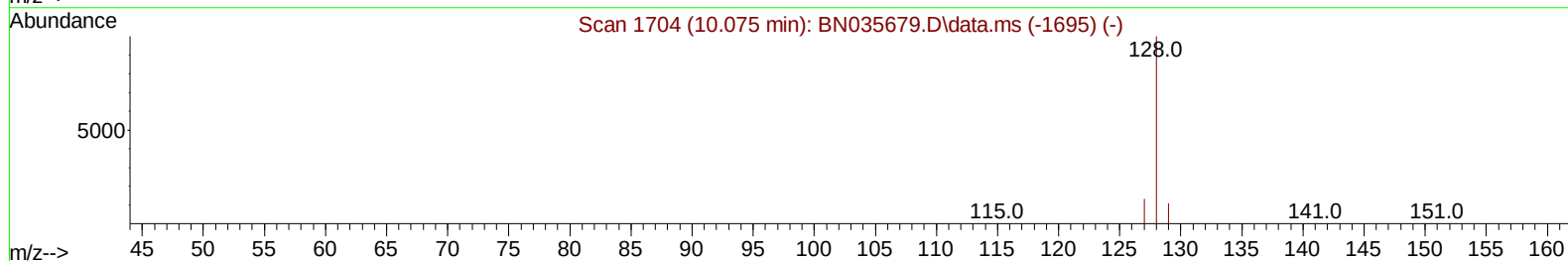
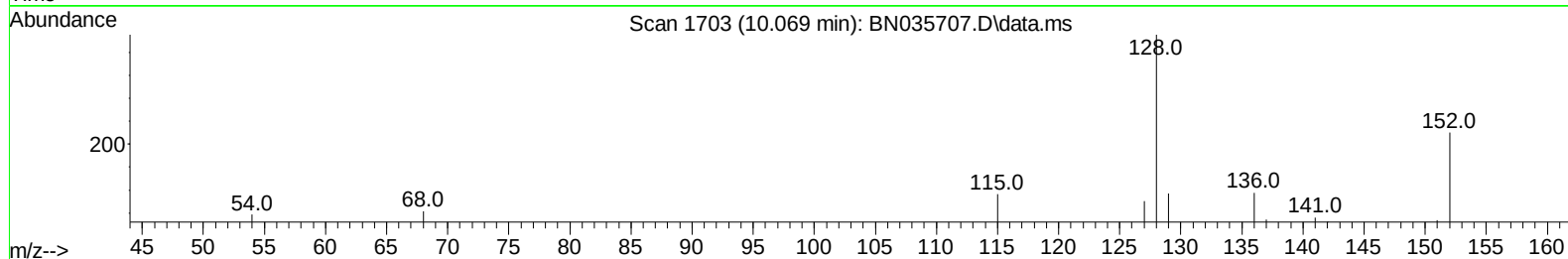
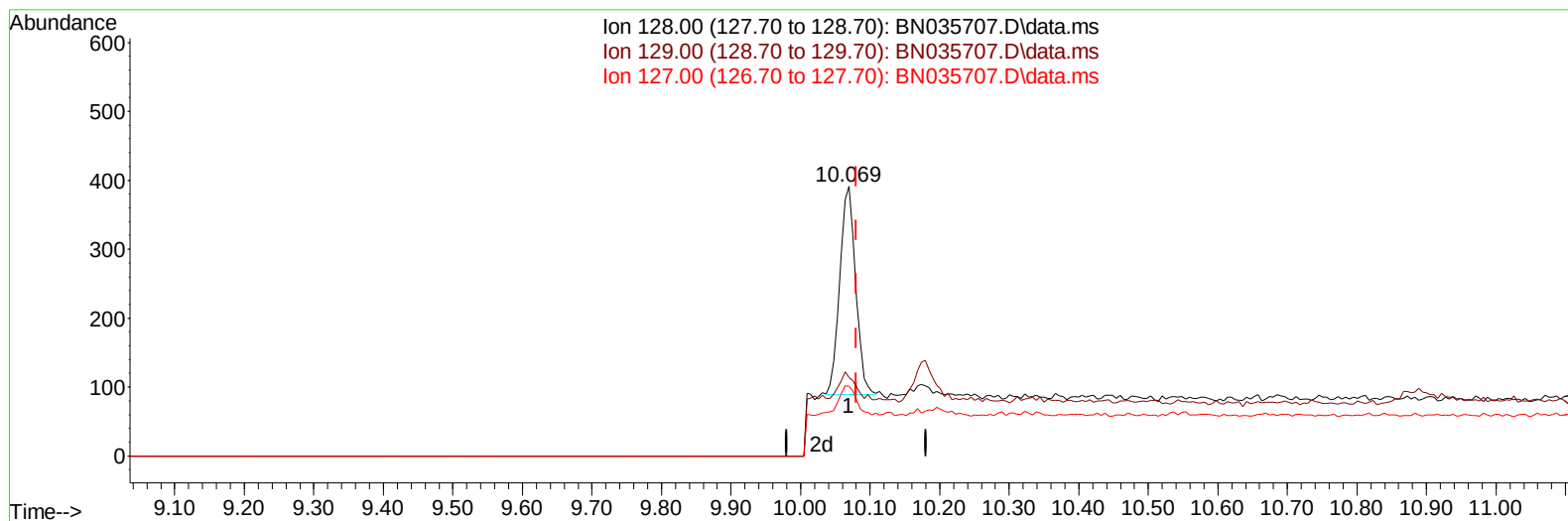
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.02 ng/ul m

response 481

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.16#
127.00	15.00	25.83#
0.00	0.00	0.00

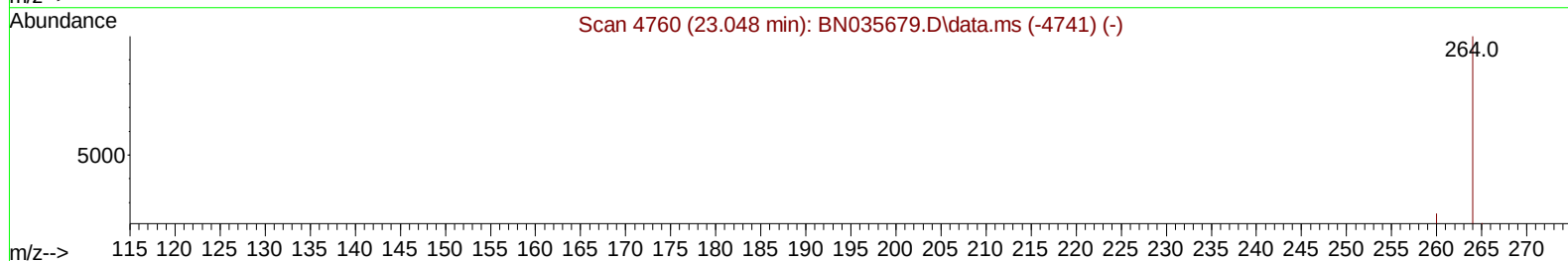
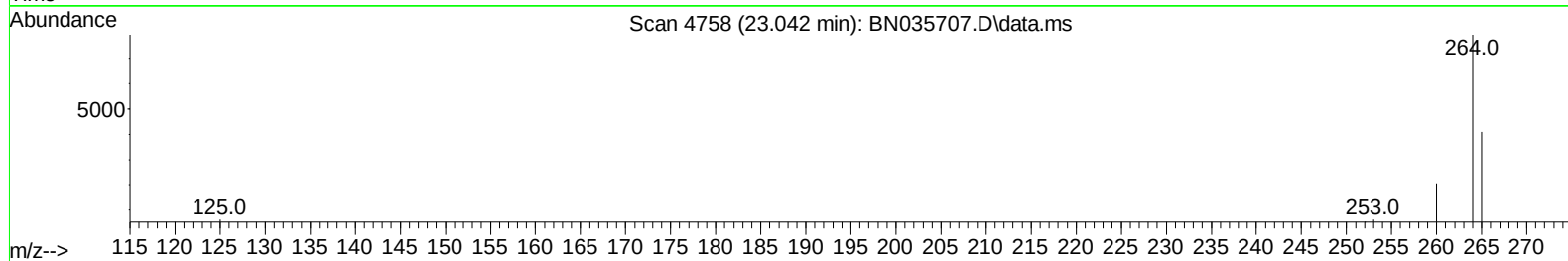
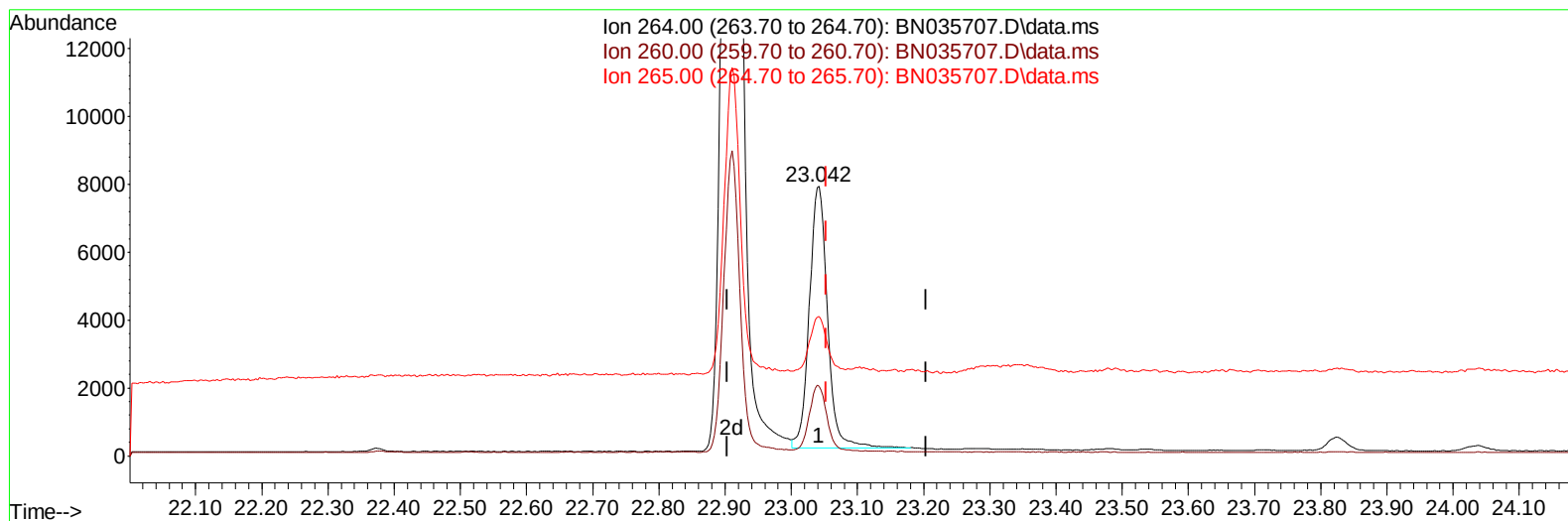
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(23) Perylene-d12 (I)

23.042min (-0.012) 0.40 ng/u1

response 14607

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	25.93
265.00	62.10	51.69
0.00	0.00	0.00

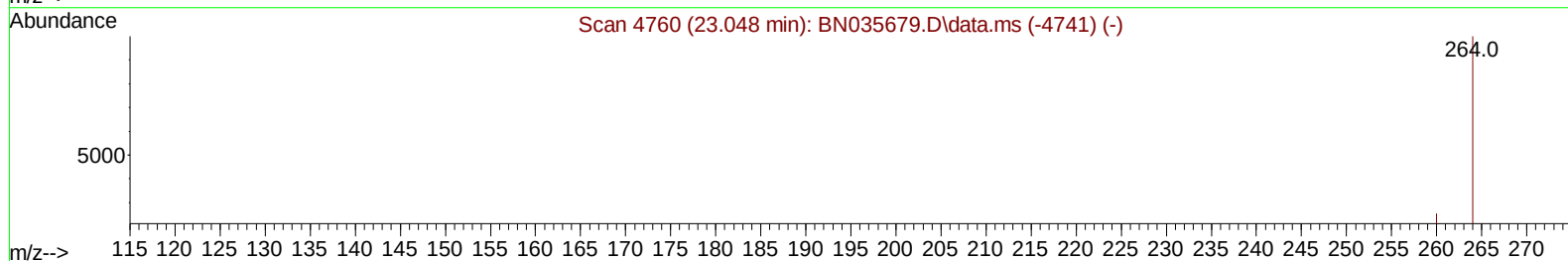
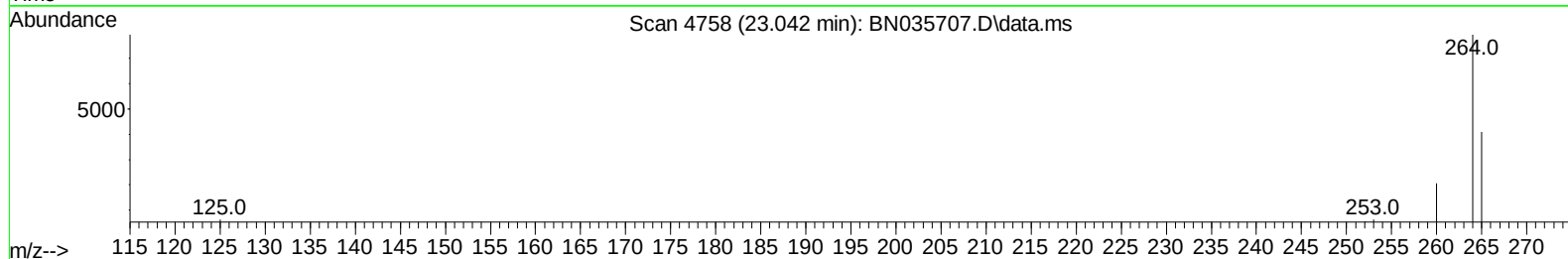
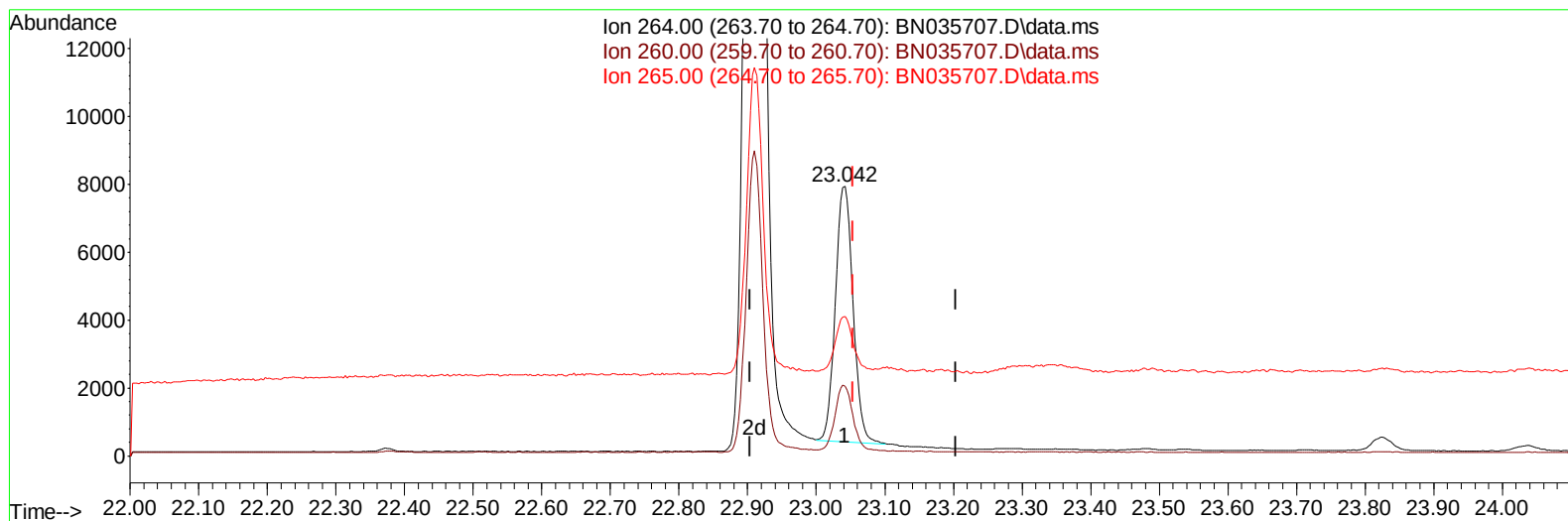
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

(23) Perylene-d12 (I)

23.042min (-0.012) 0.40 ng/ul m

response 13414

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	25.93
265.00	62.10	51.69
0.00	0.00	0.00

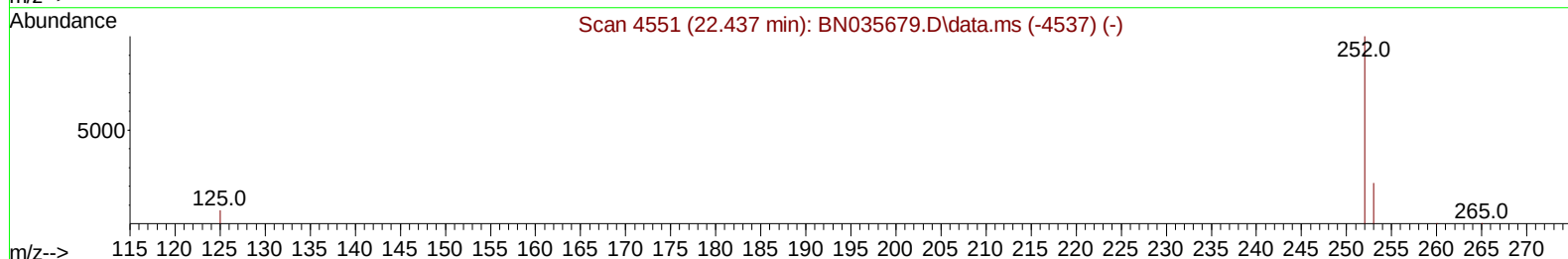
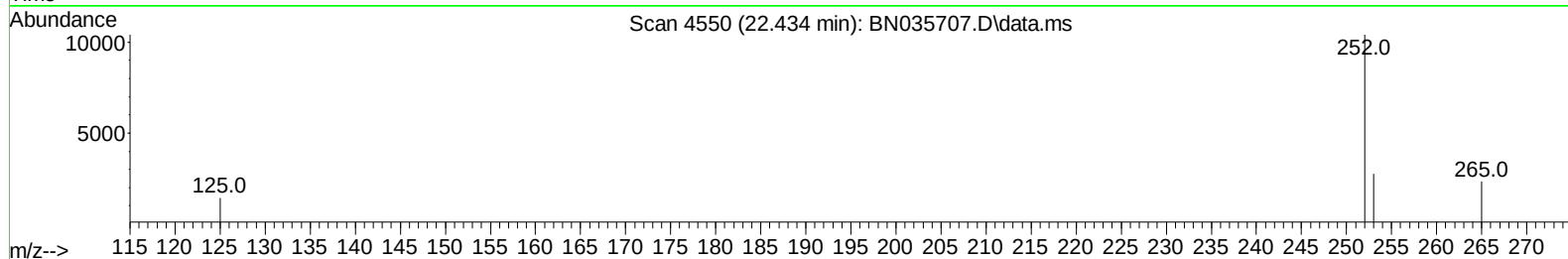
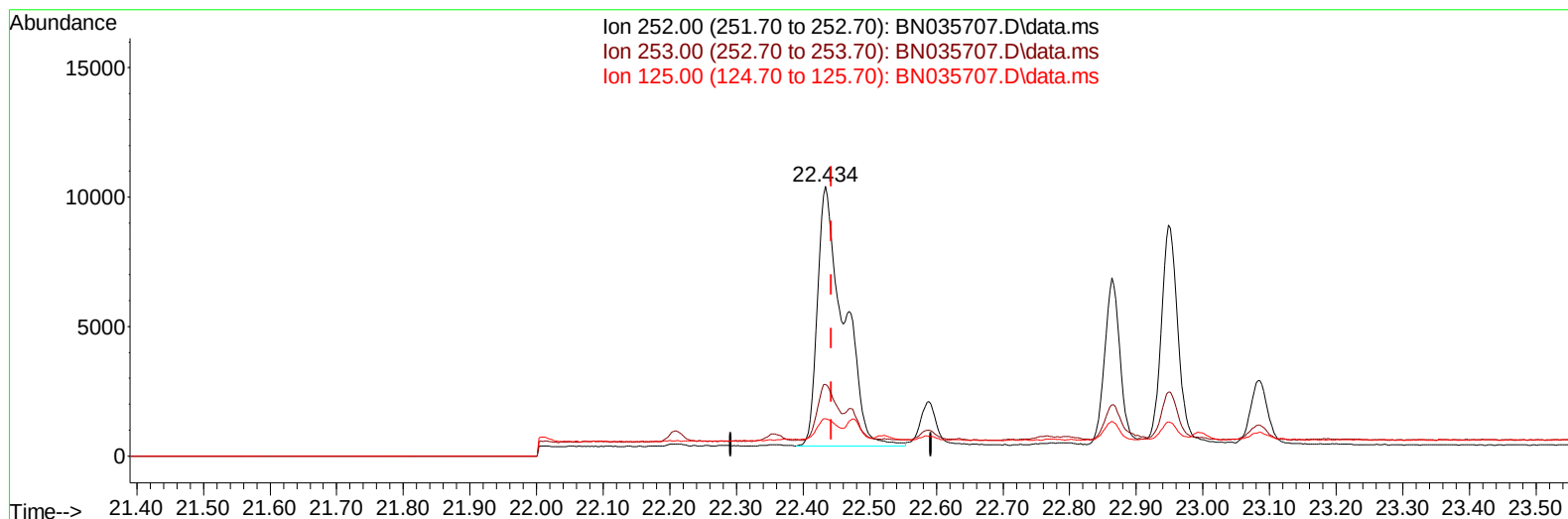
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Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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 12/21/2024
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TIC: BN035707.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 0.70 ng/u1

response 27604

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.59
125.00	18.80	13.79
0.00	0.00	0.00

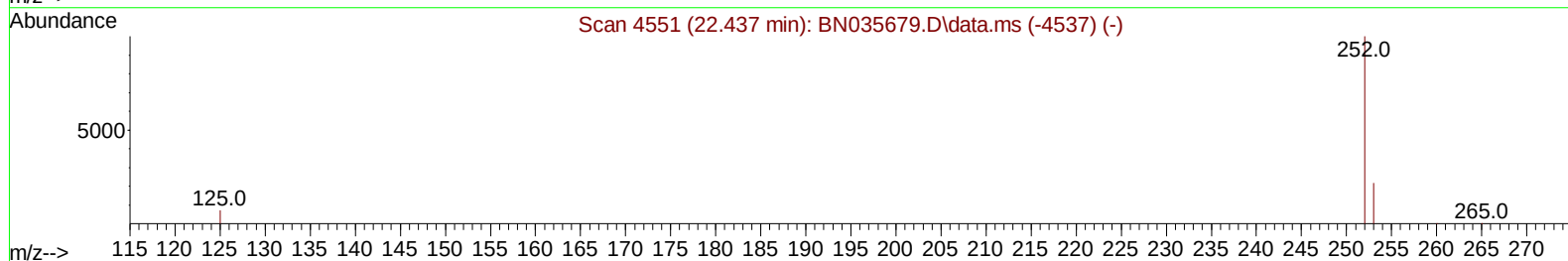
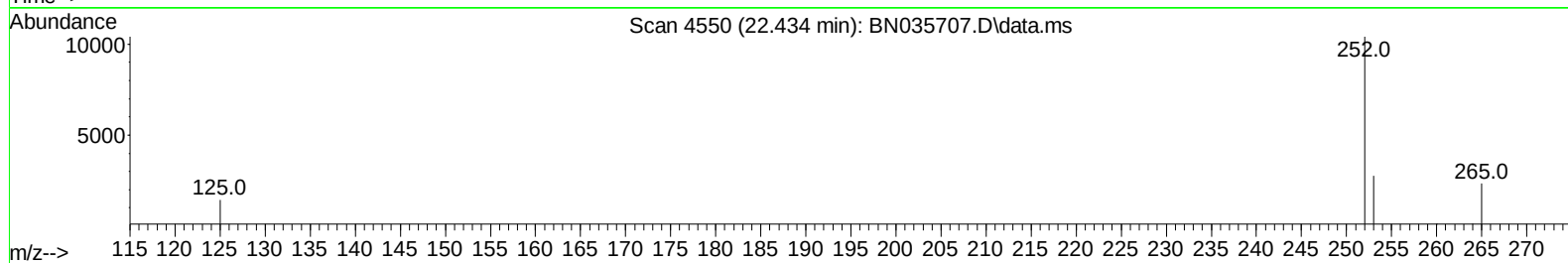
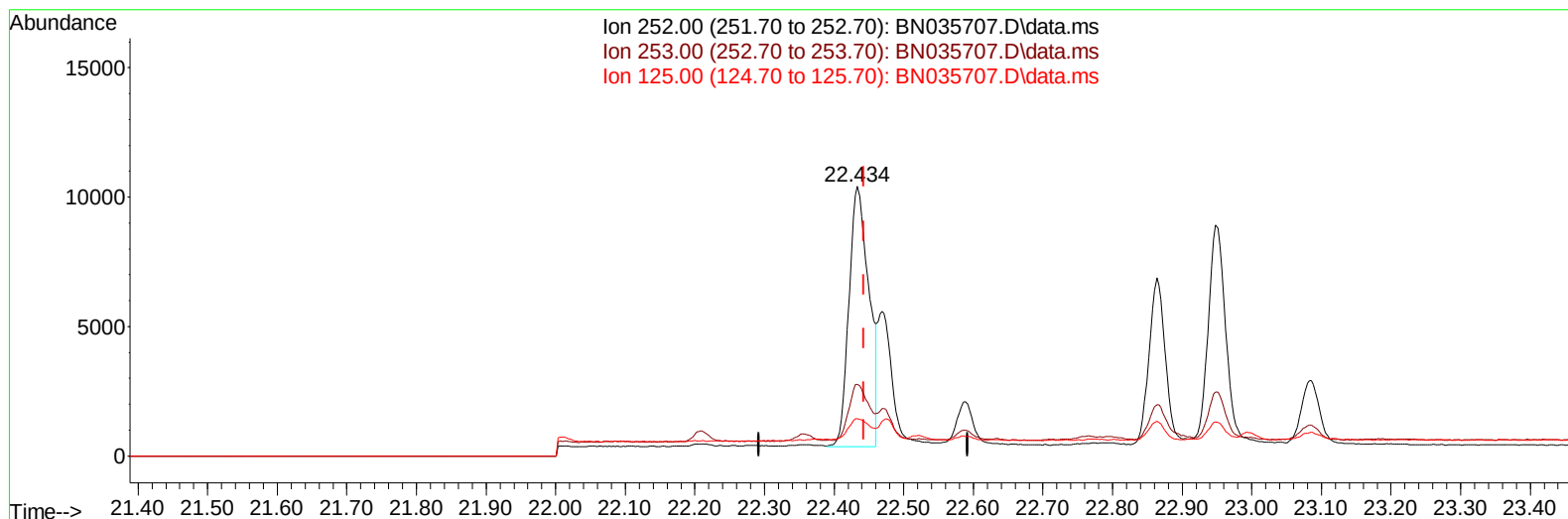
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 0.51 ng/ul m

response 20111

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.59
125.00	18.80	13.79
0.00	0.00	0.00

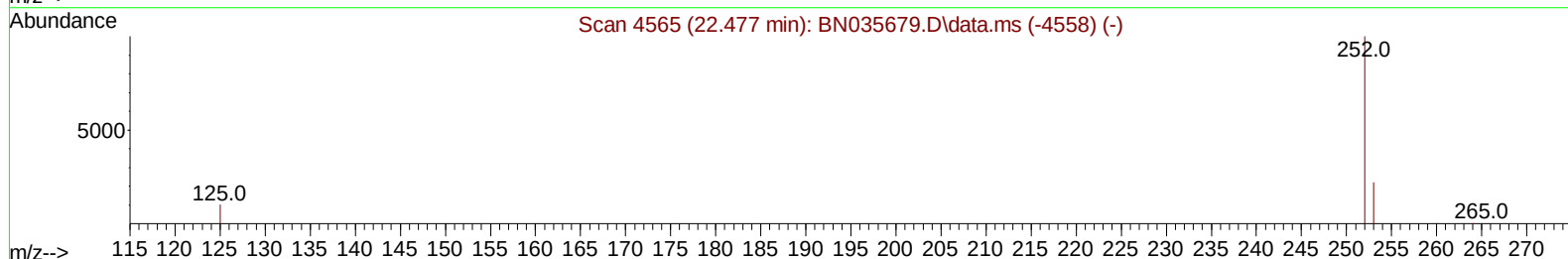
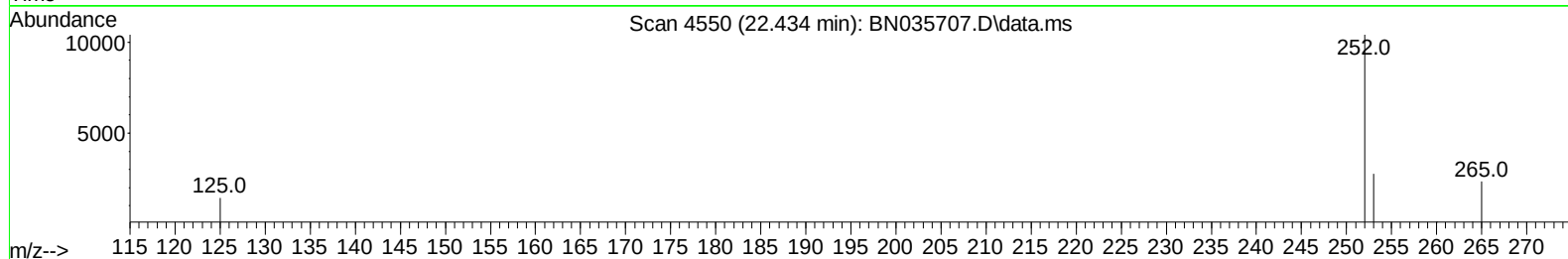
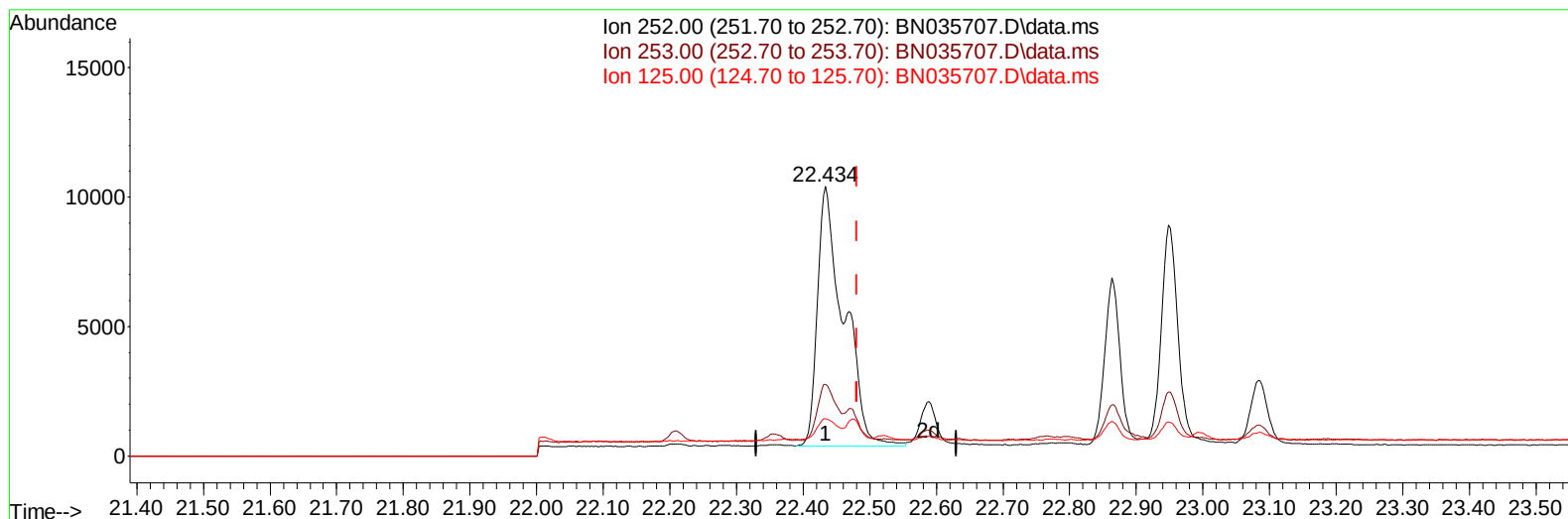
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Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(25) Benzo(k)fluoranthene

22.434min (-0.047) 0.63 ng/u1

response 27604

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	26.59
125.00	19.10	13.79#
0.00	0.00	0.00

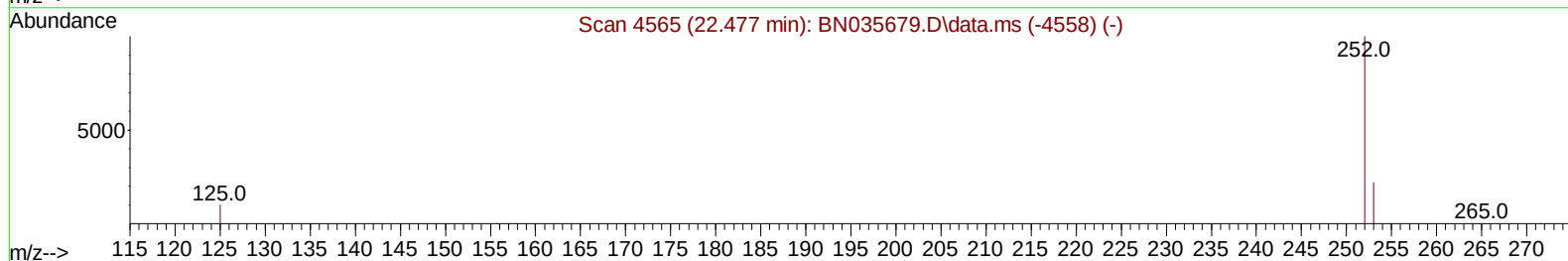
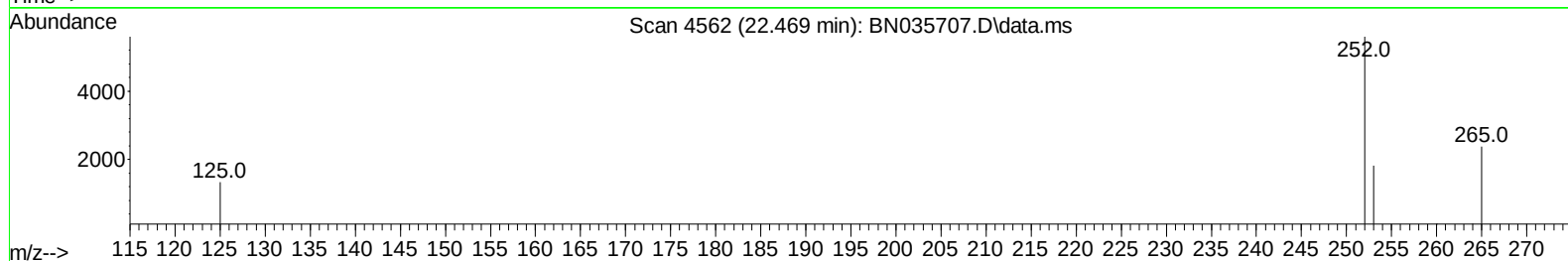
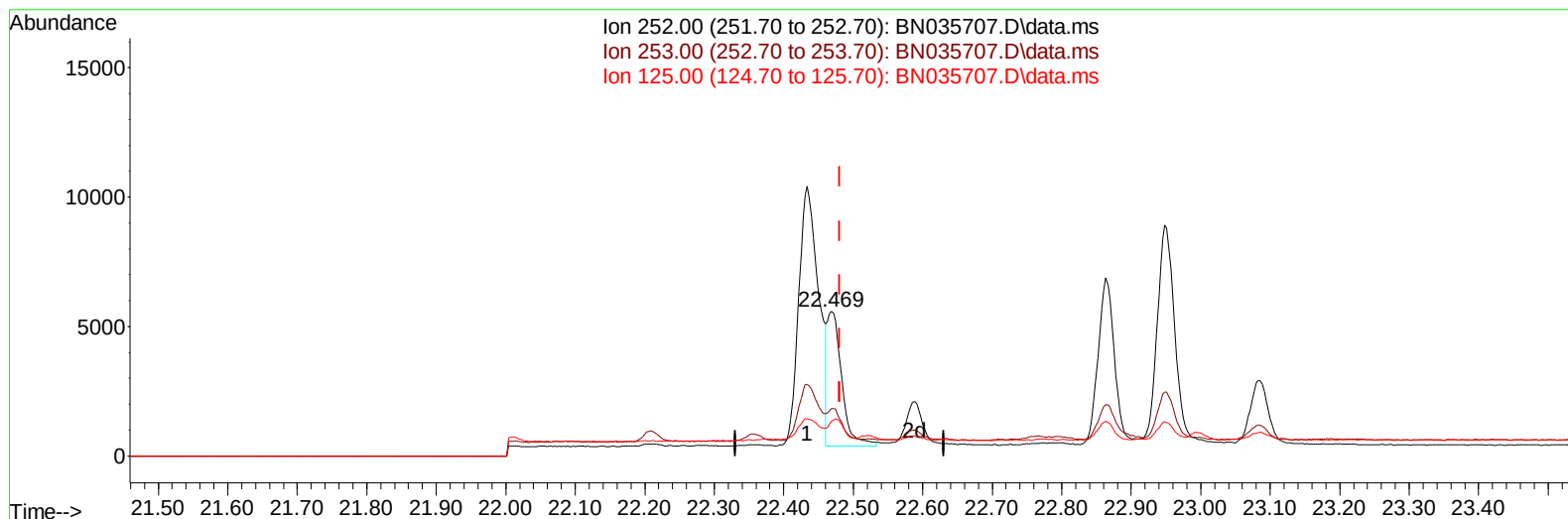
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Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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TIC: BN035707.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.012) 0.17 ng/ul m

response 7507

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	32.58
125.00	19.10	23.77#
0.00	0.00	0.00

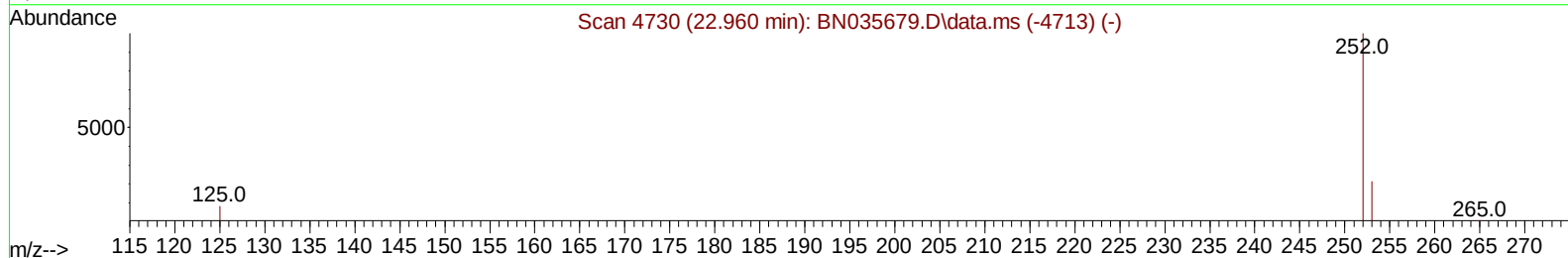
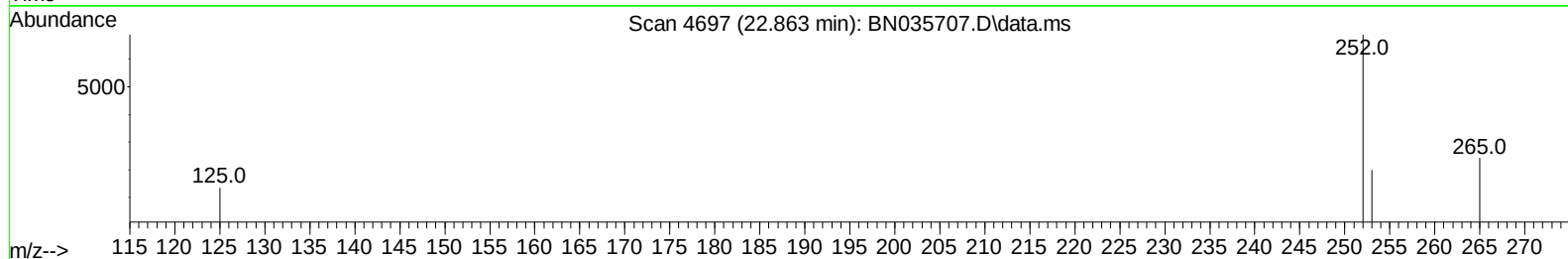
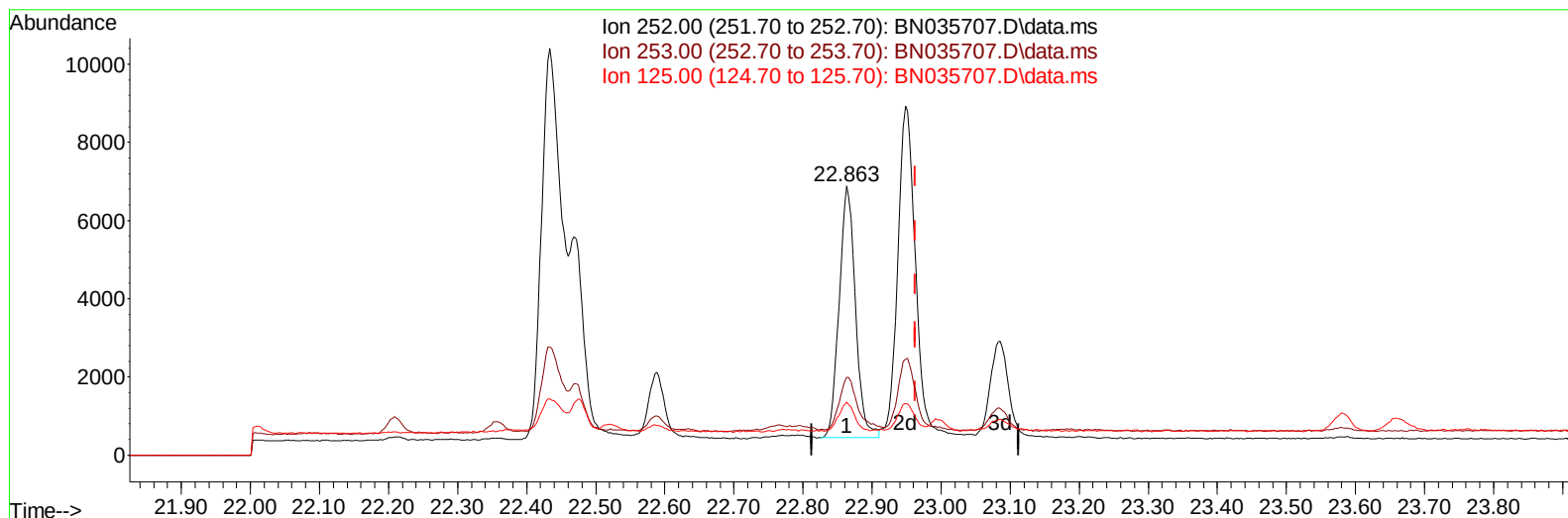
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(26) Benzo(a)pyrene (C)

22.863min (-0.099) 0.28 ng/u1

response 10556

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	28.91
125.00	23.90	19.64
0.00	0.00	0.00

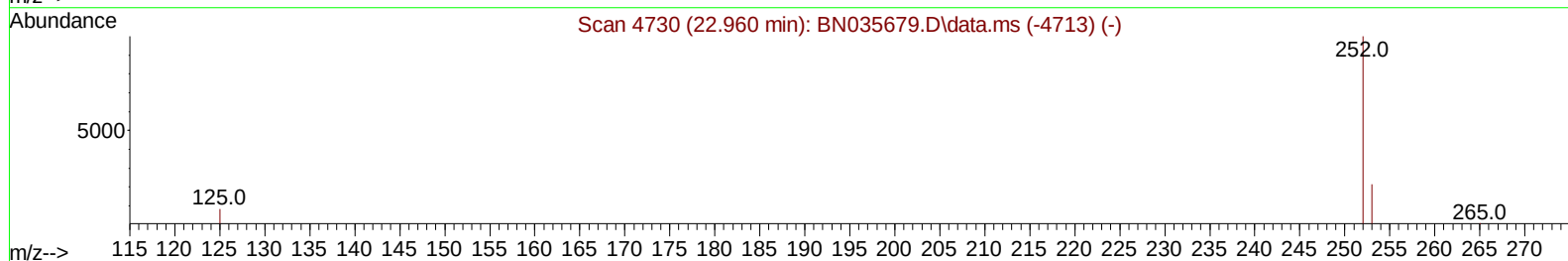
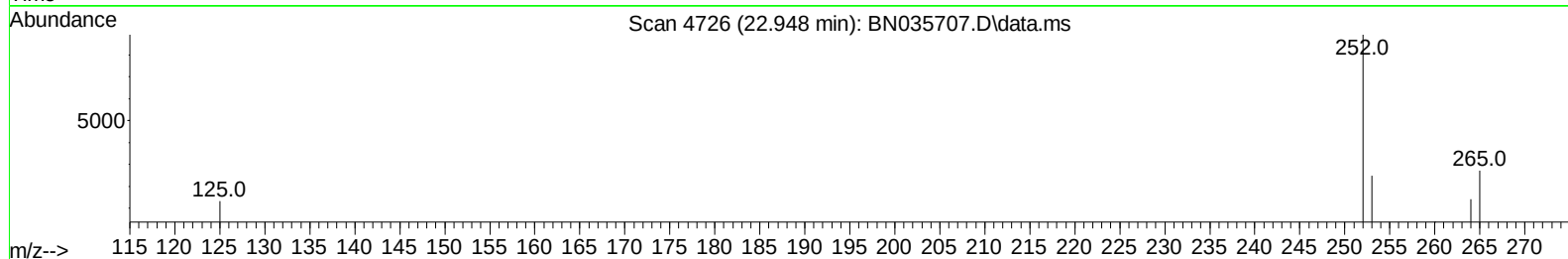
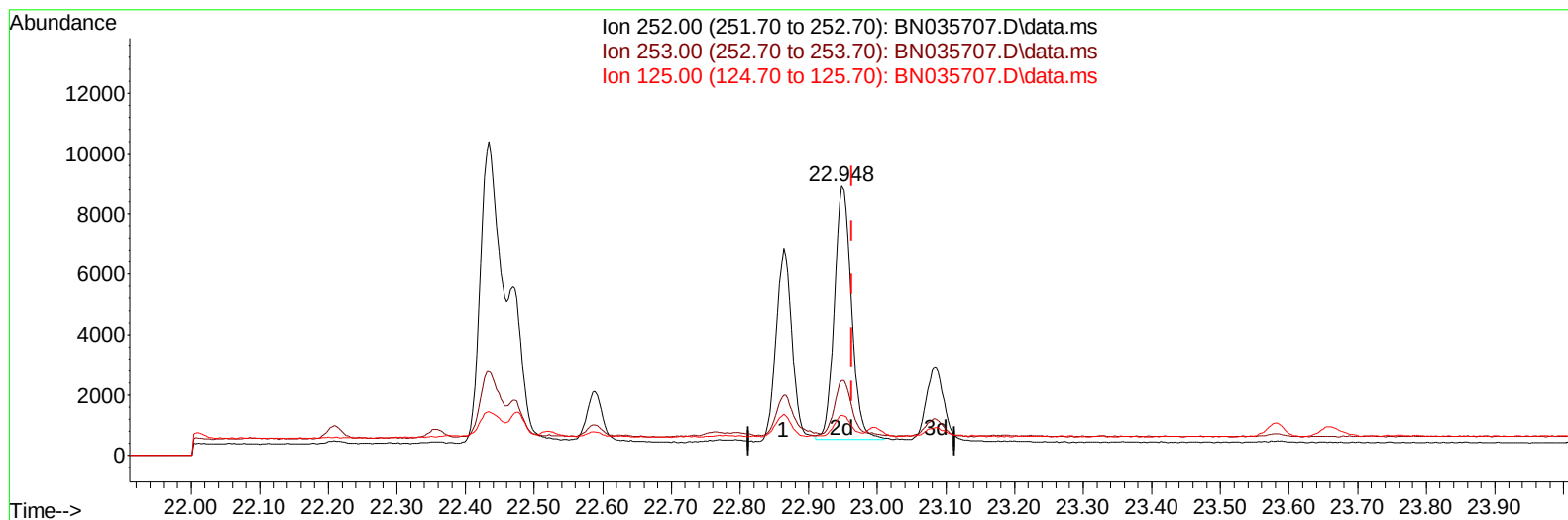
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Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

(26) Benzo(a)pyrene (C)

22.948min (-0.015) 0.38 ng/ul m

response 14587

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	27.62
125.00	23.90	14.82#
0.00	0.00	0.00

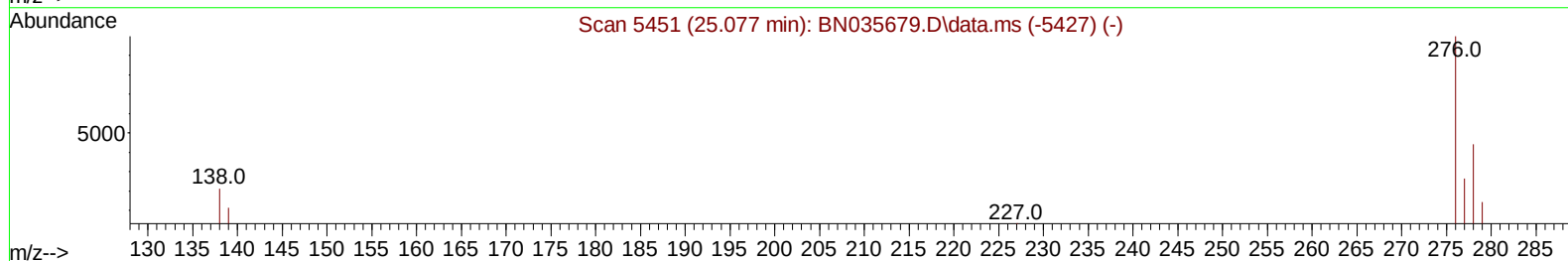
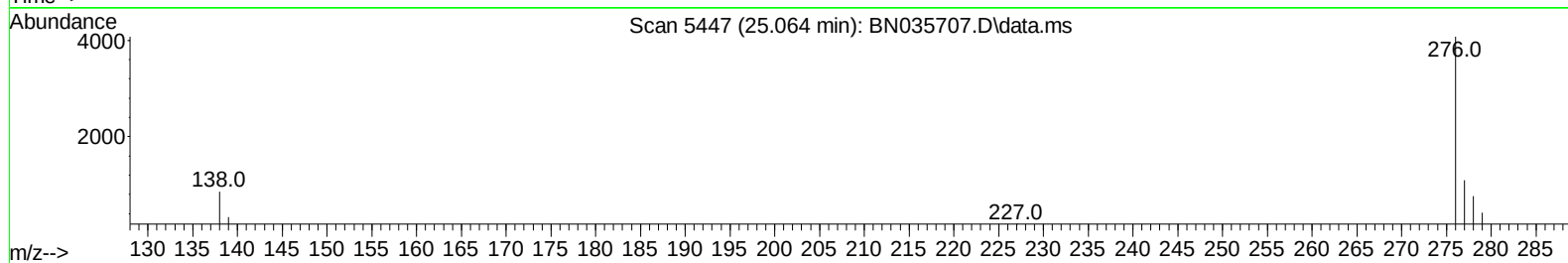
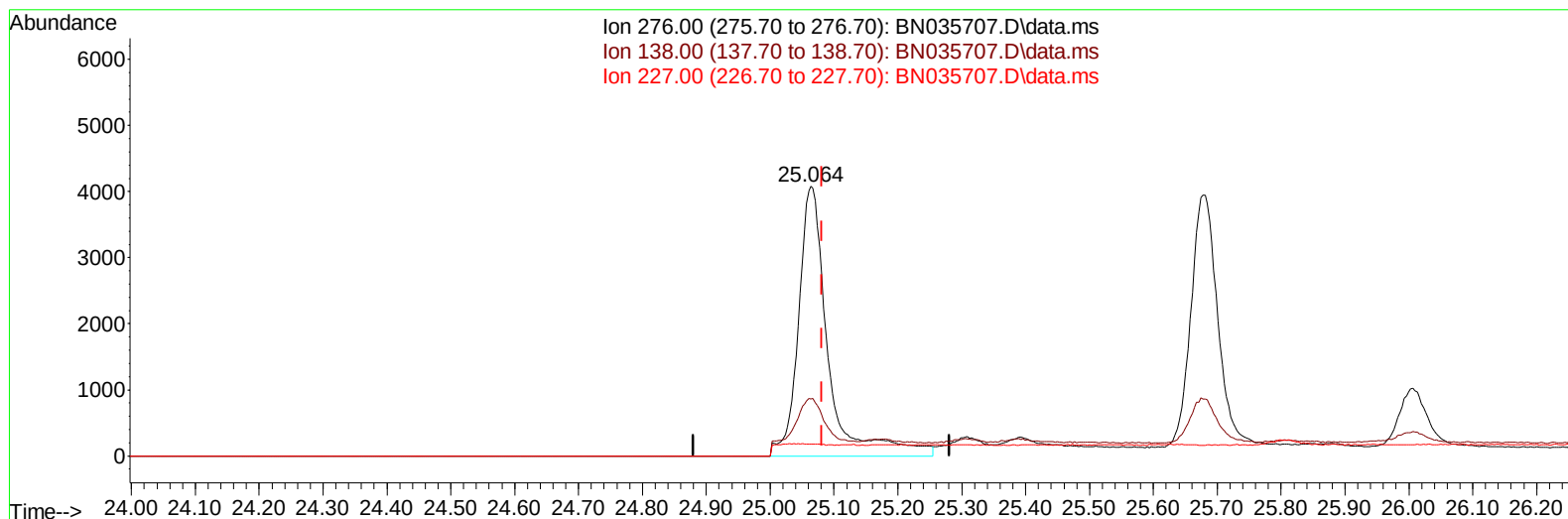
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

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

25.064min (-0.017) 0.28 ng/u1

response 13091

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	38.91#
227.00	27.00	19.88#
0.00	0.00	0.00

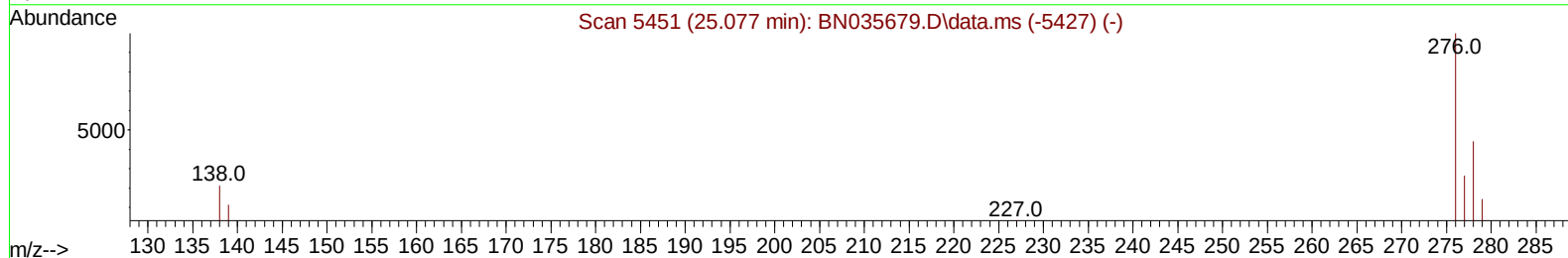
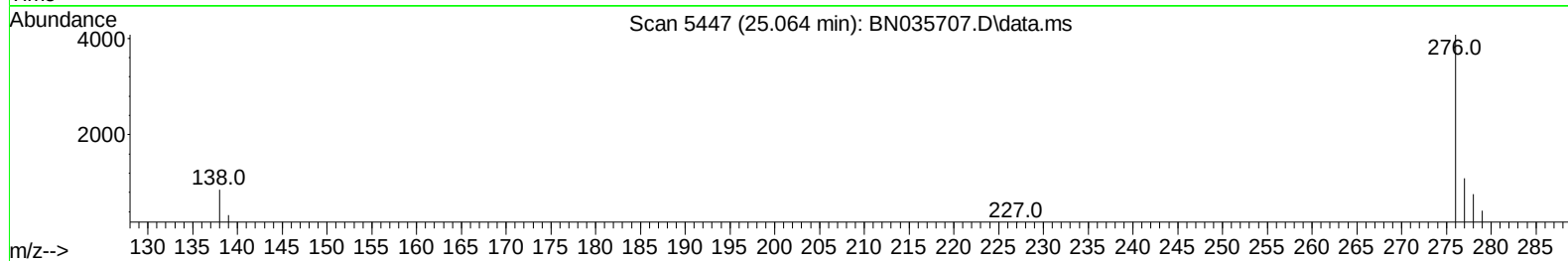
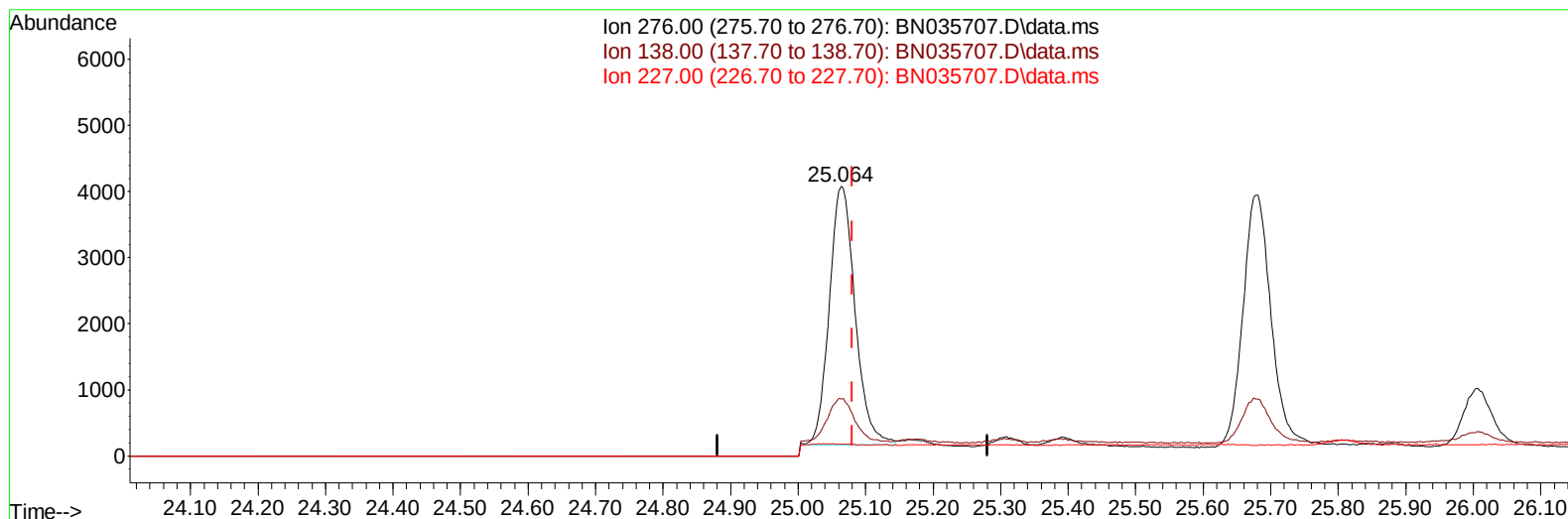
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

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

25.064min (-0.017) 0.22 ng/ul m

response 10407

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	48.95#
227.00	27.00	25.00
0.00	0.00	0.00

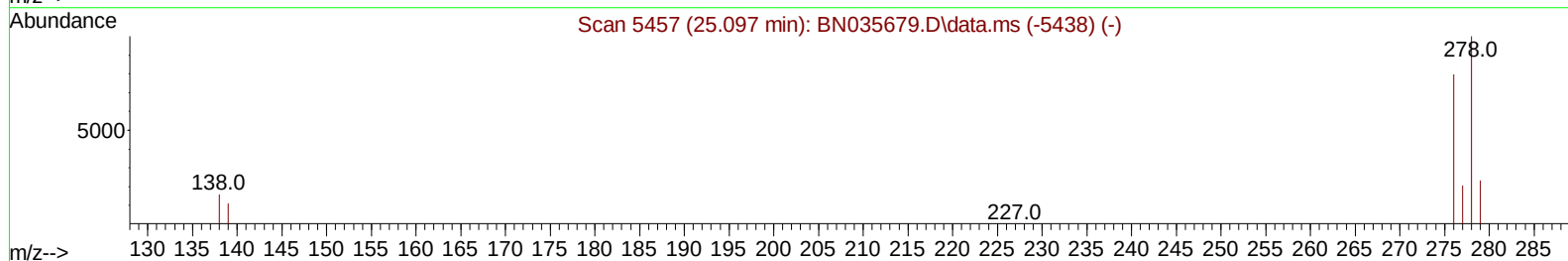
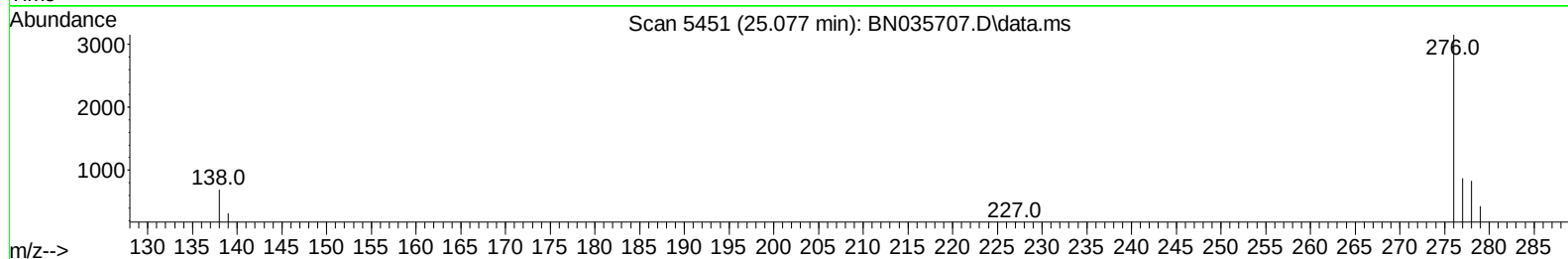
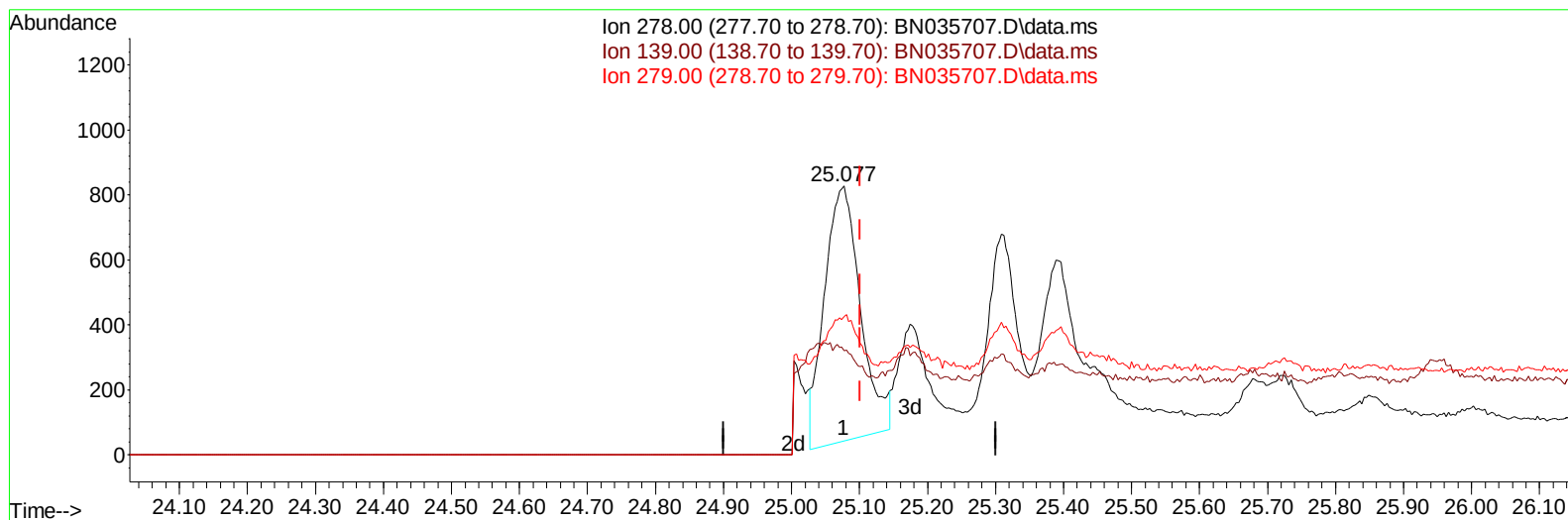
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 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: BN035707.D\data.ms

(28) Dibenzo(a,h)anthracene

25.077min (-0.024) 0.08 ng/u1

response 2891

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	38.69#
279.00	30.00	51.51#
0.00	0.00	0.00

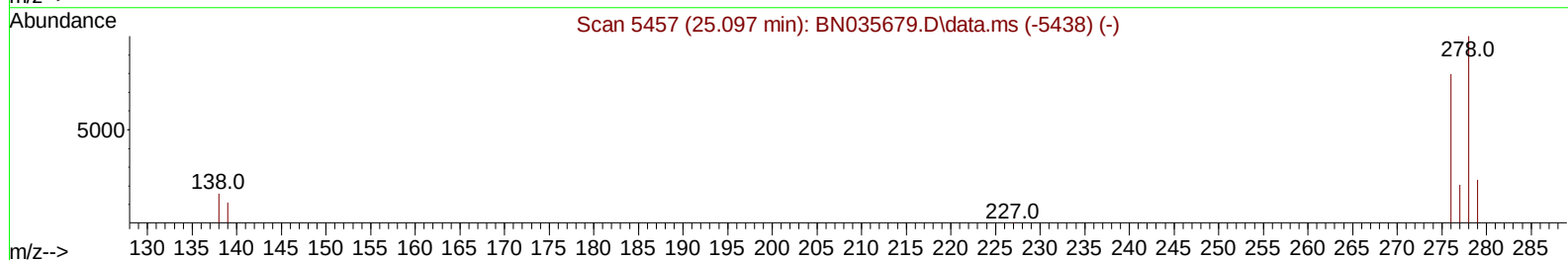
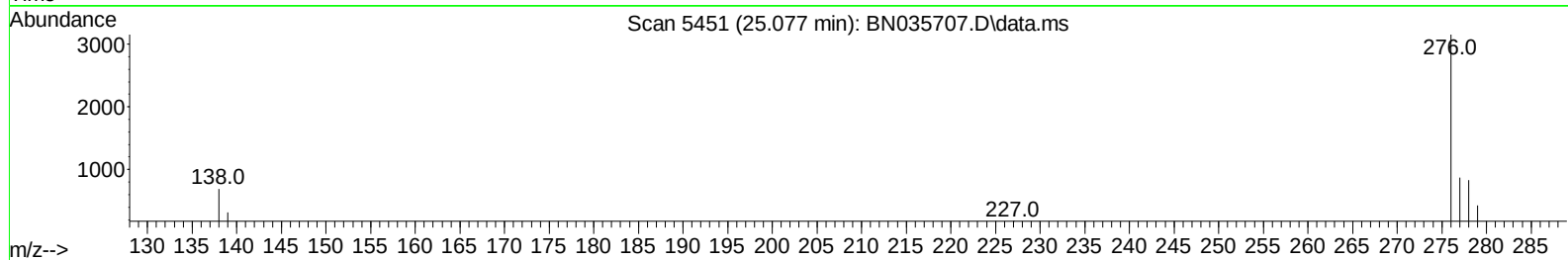
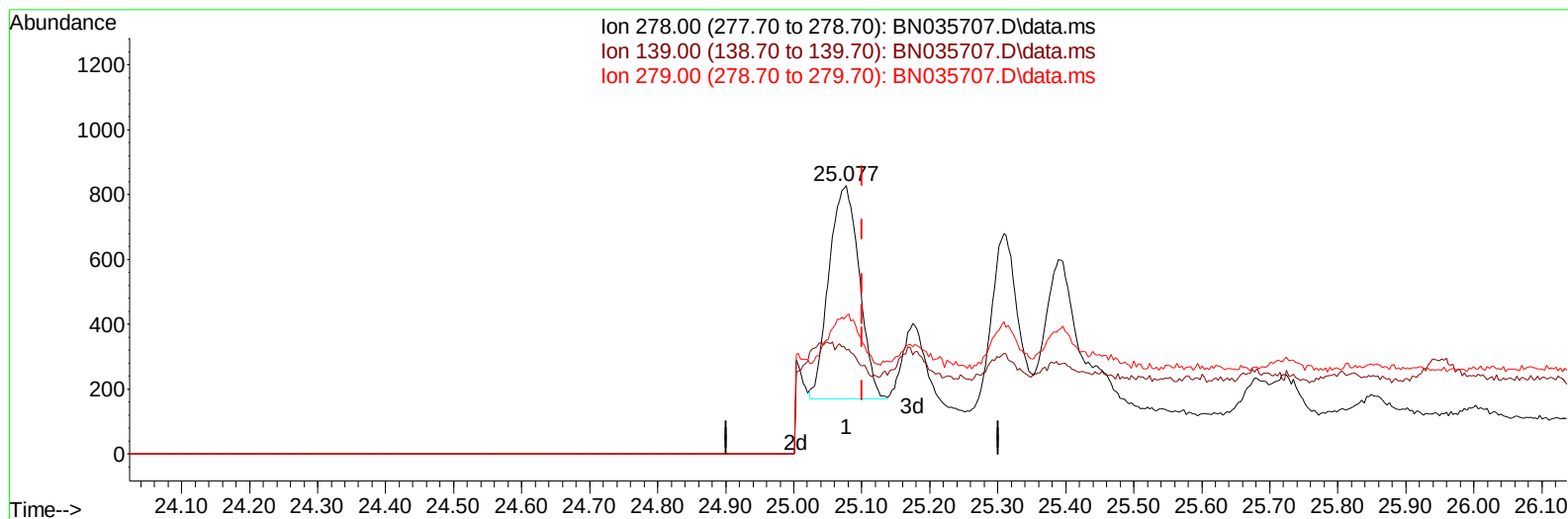
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035707.D
Acq On : 19 Dec 2024 15:41
Operator : RC/JU
Sample : P5258-11DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X5DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 16:28:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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Supervised By :mohammad ahmed 12/24/2024



TIC: BN035707.D\data.ms

(28) Dibenzo(a,h)anthracene

25.077min (-0.024) 0.06 ng/ul m

response 2021

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	38.69#
279.00	30.00	51.51#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035707.D
 Acq On : 19 Dec 2024 15:41
 Operator : RC/JU
 Sample : P5258-11DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28X5DL

Manual IntegrationsAPPROVED

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

Quant Time: Dec 19 16:28:48 2024
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 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.276	152	3551	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136	9335	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.935	164	6834	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.704	188	14394	0.400	ng/ul	-0.01
17) Chrysene-d12	20.955	240	12225	0.400	ng/ul	0.00
23) Perylene-d12	23.042	264	13414m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	2555	0.812	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.626	152	581	0.044	ng/ul	-0.01
18) Fluoranthene-d10	18.758	212	1013	0.028	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.069	128	481m	0.021	ng/ul	
11) Acenaphthene	14.000	153	1106	0.055	ng/ul	97
12) Fluorene	15.003	166	744	0.032	ng/ul#	94
15) Phenanthrene	16.747	178	15079	0.419	ng/ul	99
16) Anthracene	16.840	178	3264	0.097	ng/ul	96
19) Fluoranthene	18.791	202	33940	0.776	ng/ul	99
20) Pyrene	19.158	202	31497	0.654	ng/ul	99
21) Benzo(a)anthracene	20.941	228	13762	0.339	ng/ul	99
22) Chrysene	20.990	228	14493	0.344	ng/ul	98
24) Benzo(b)fluoranthene	22.434	252	20111m	0.509	ng/ul	
25) Benzo(k)fluoranthene	22.469	252	7507m	0.172	ng/ul	
26) Benzo(a)pyrene	22.948	252	14587m	0.381	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.064	276	10407m	0.223	ng/ul	
28) Dibenzo(a,h)anthracene	25.077	278	2021m	0.057	ng/ul	
29) Benzo(g,h,i)perylene	25.681	276	11570	0.309	ng/ul	97

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

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