

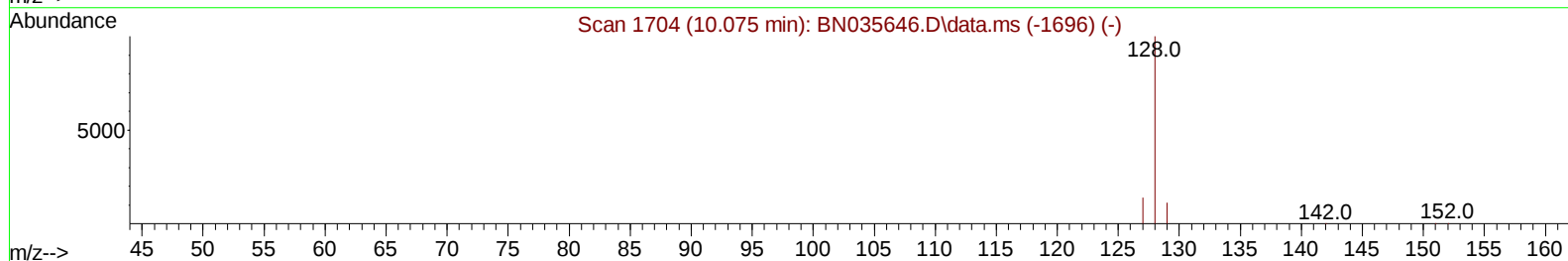
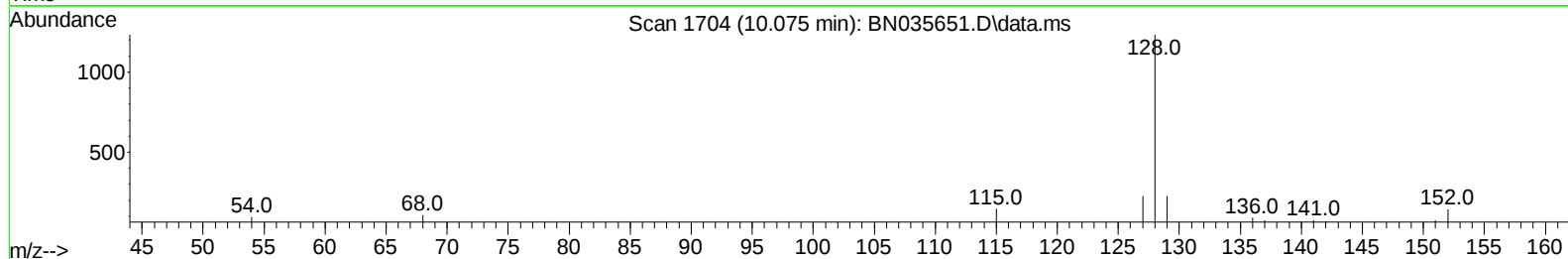
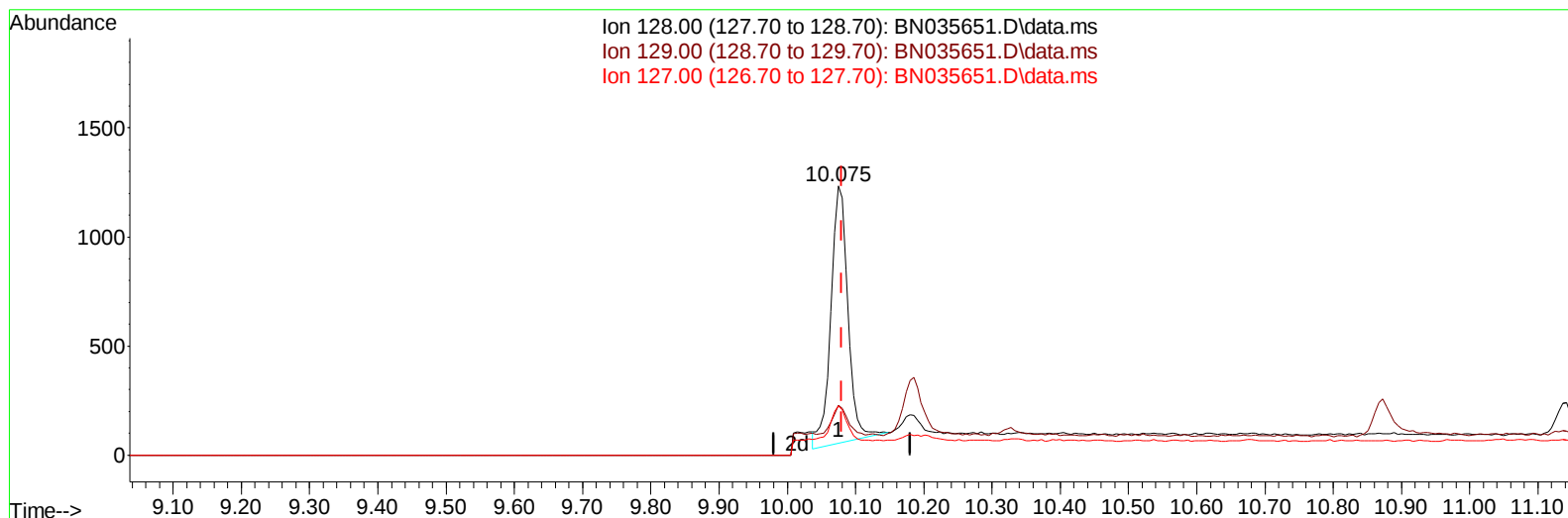
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.08 ng/u1

response 2054

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	18.49#
127.00	15.00	18.25#
0.00	0.00	0.00

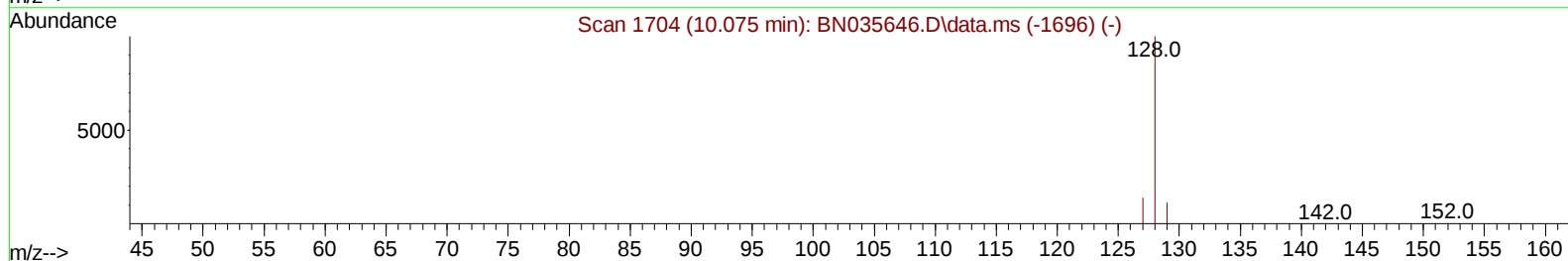
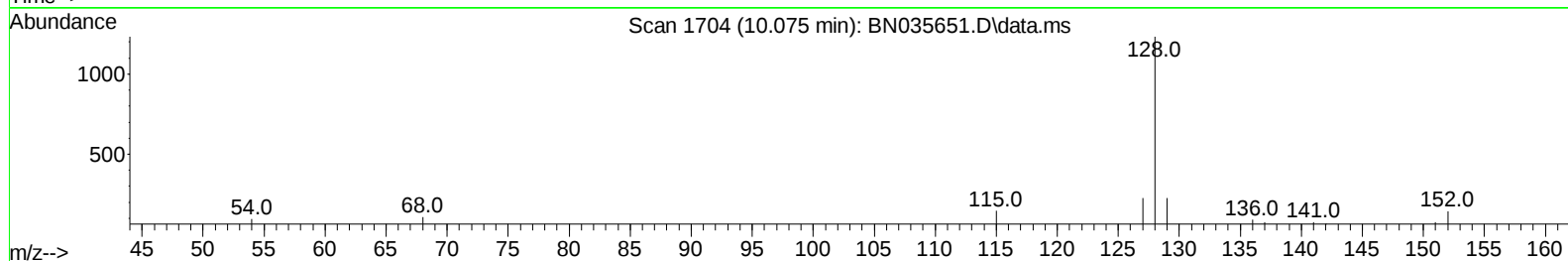
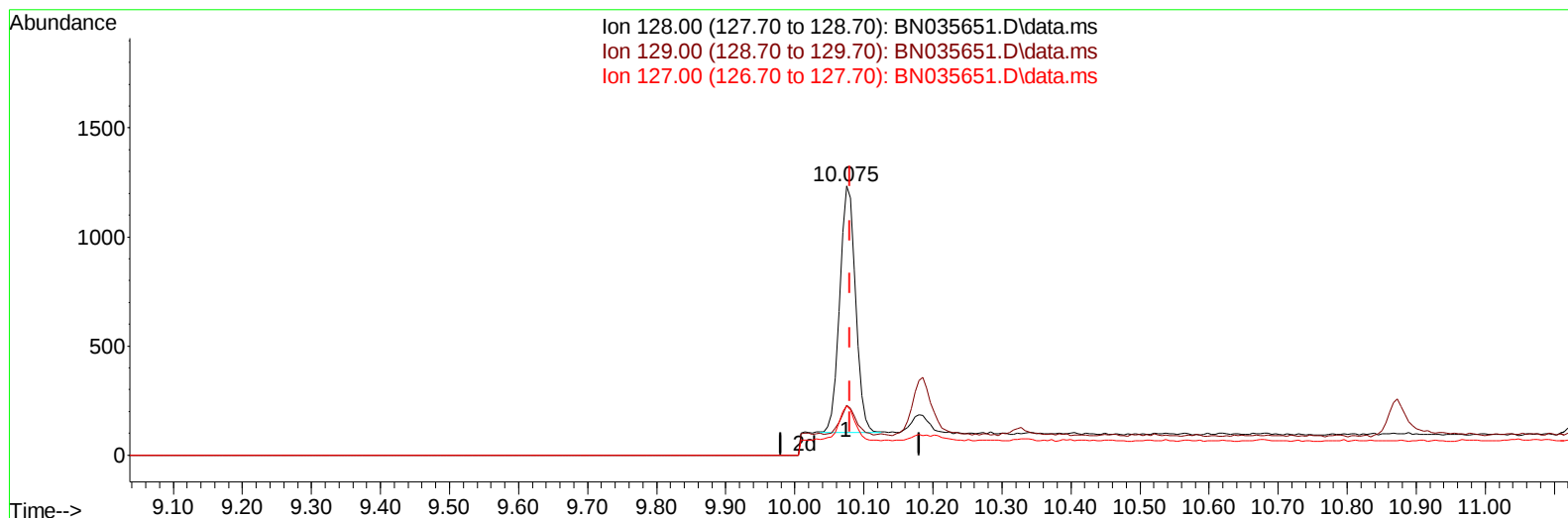
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
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ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035651.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.07 ng/ul m

response 1800

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	18.49#
127.00	15.00	18.25#
0.00	0.00	0.00

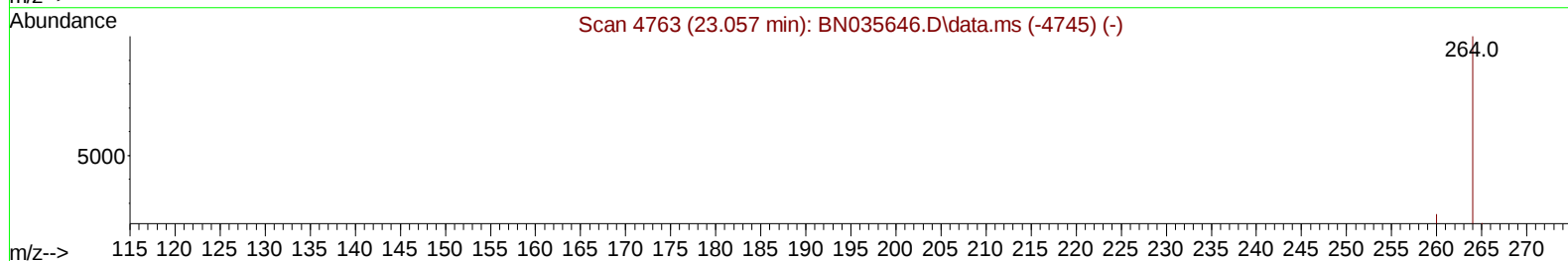
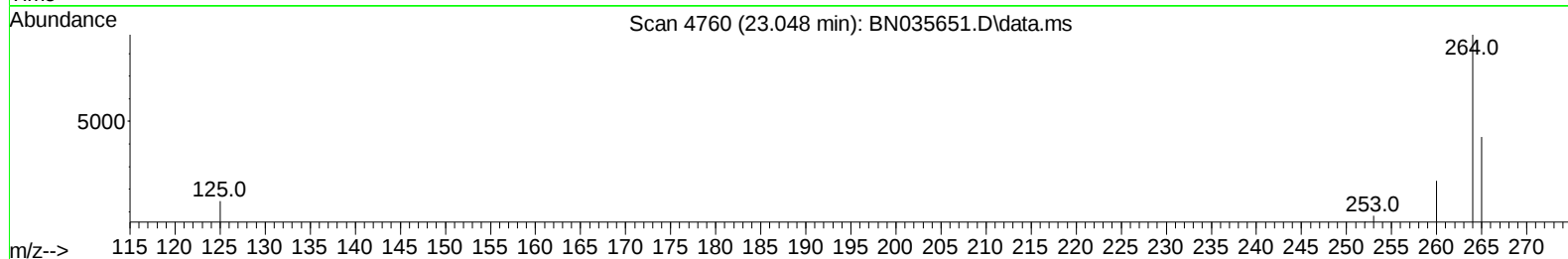
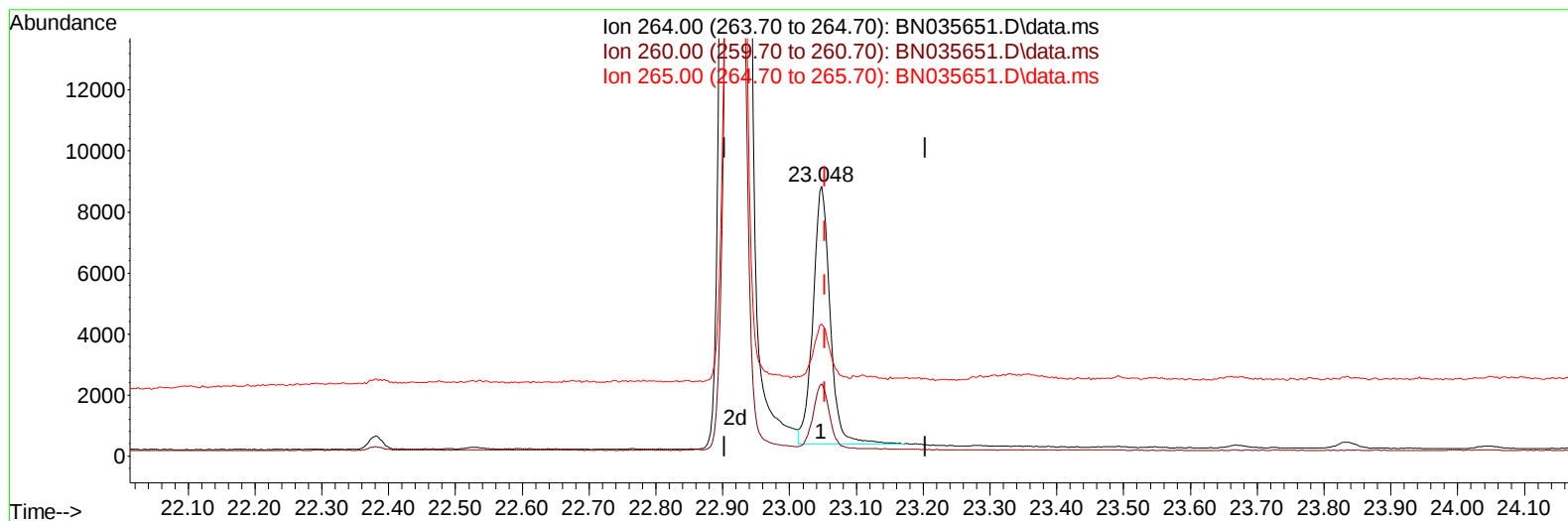
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
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Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035651.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 15189

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.69
265.00	62.10	48.90#
0.00	0.00	0.00

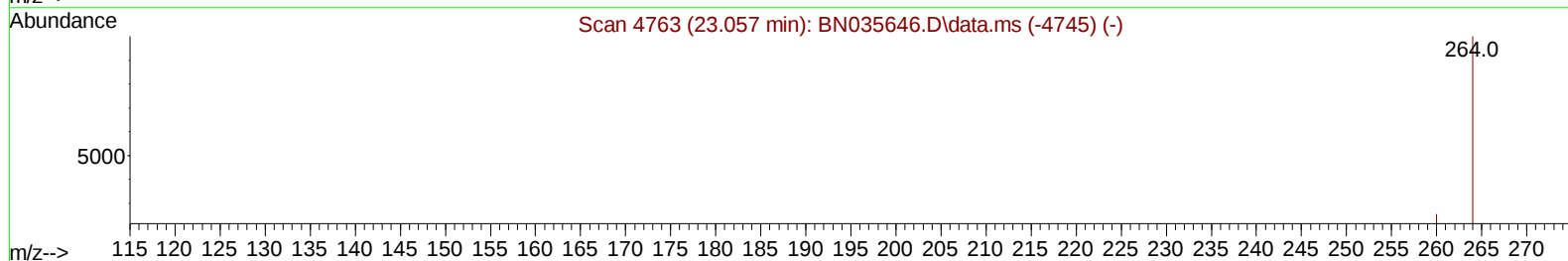
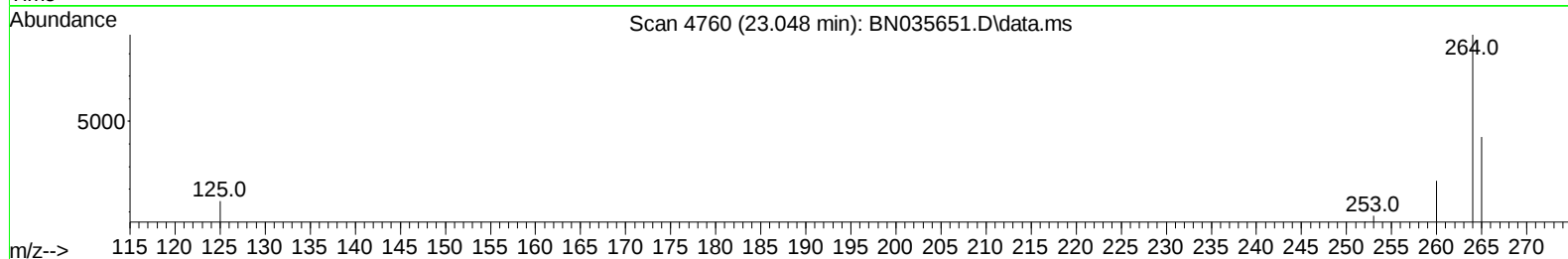
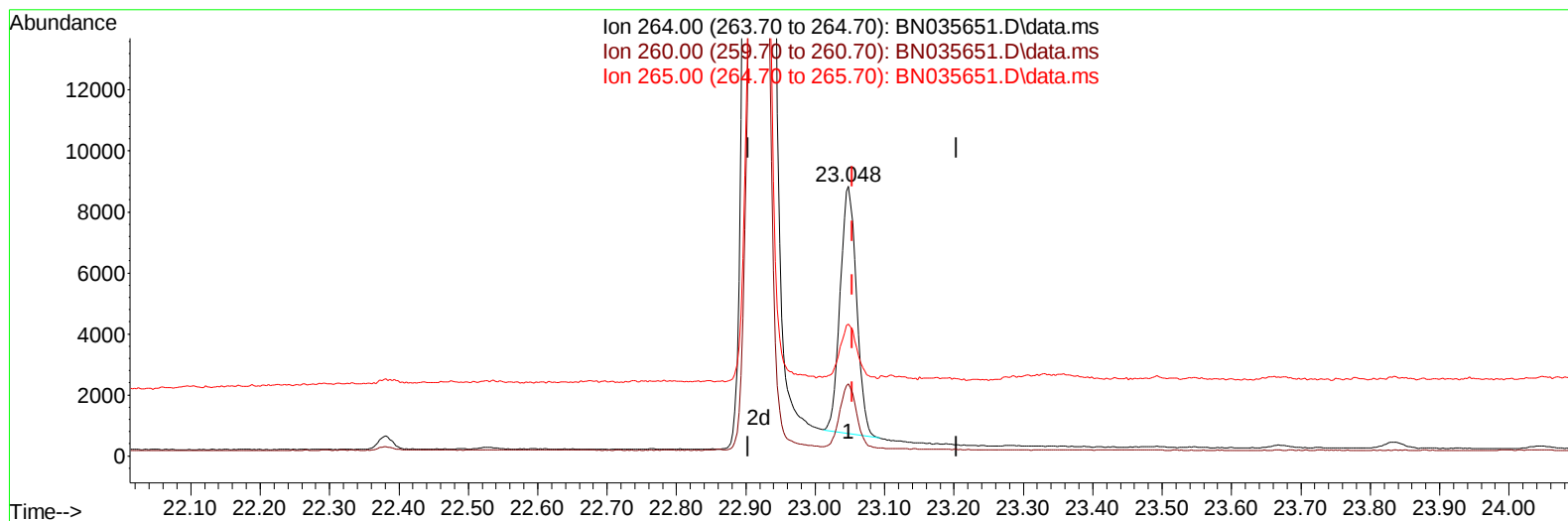
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 13244

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.69
265.00	62.10	48.90#
0.00	0.00	0.00

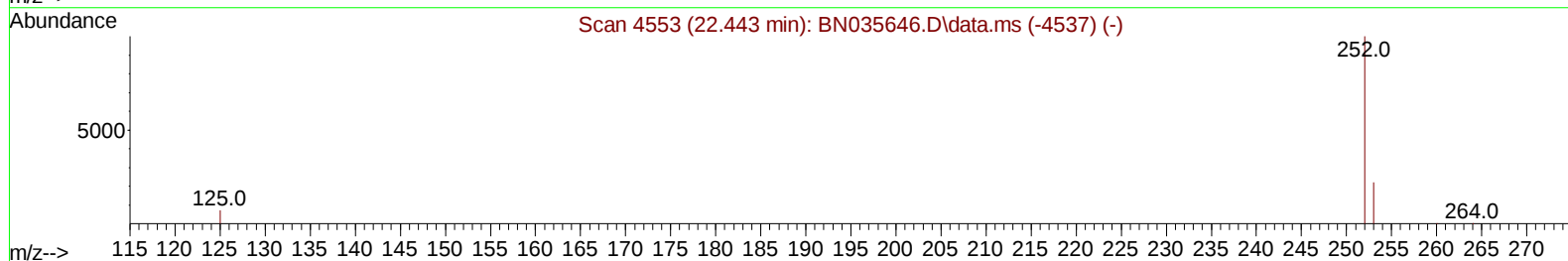
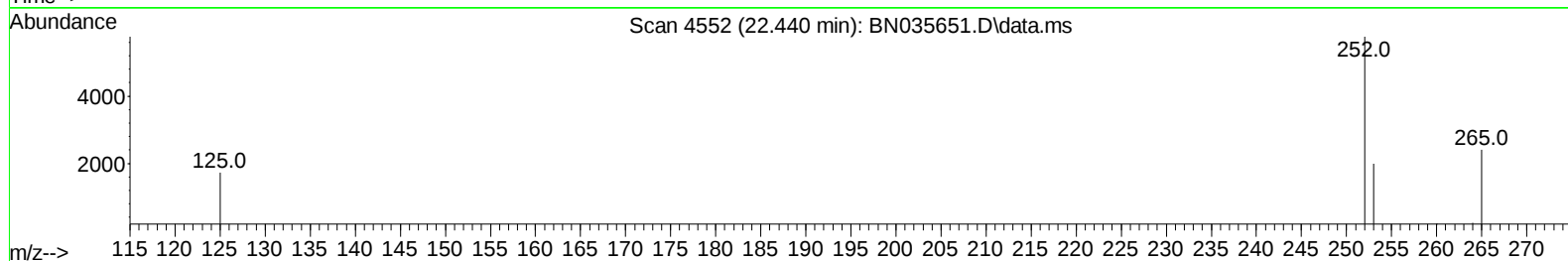
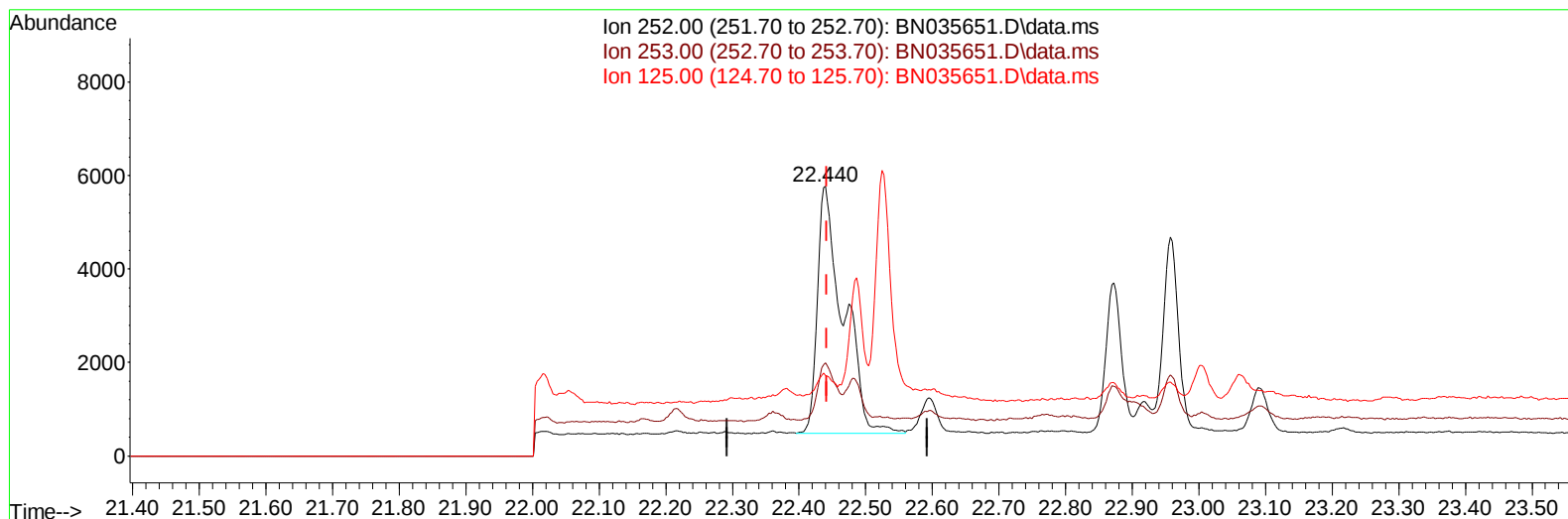
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 2024
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QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035651.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.37 ng/u1

response 14334

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	34.57
125.00	18.80	29.94
0.00	0.00	0.00

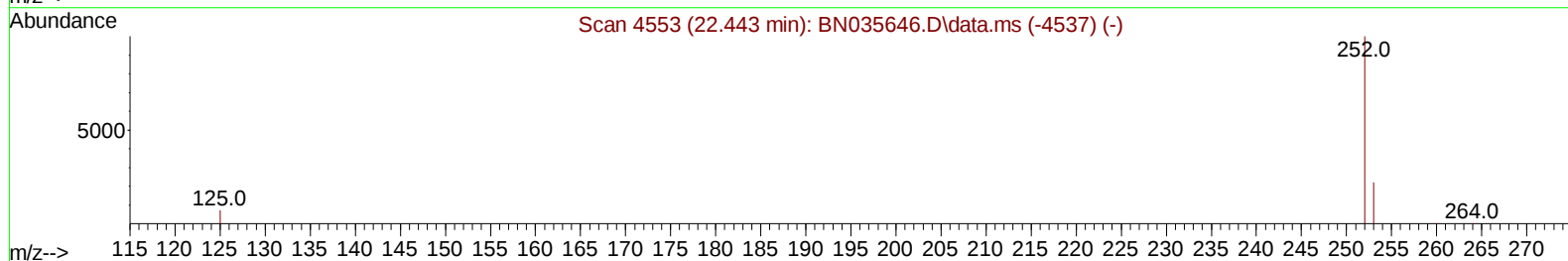
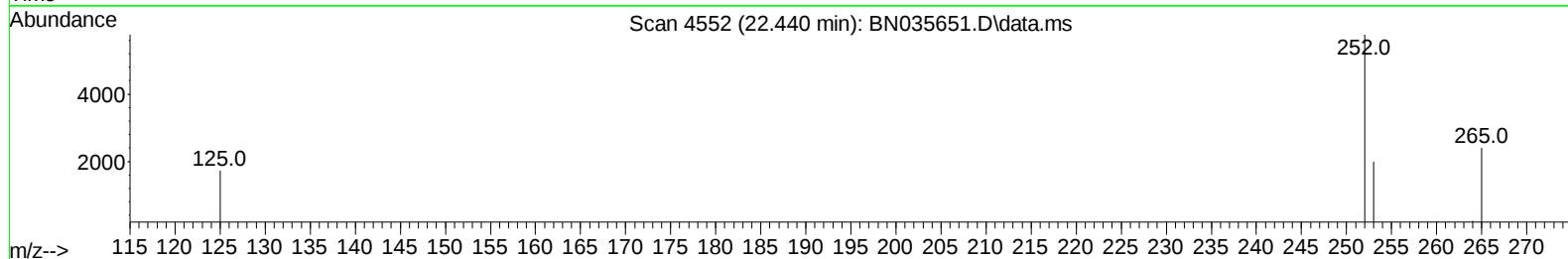
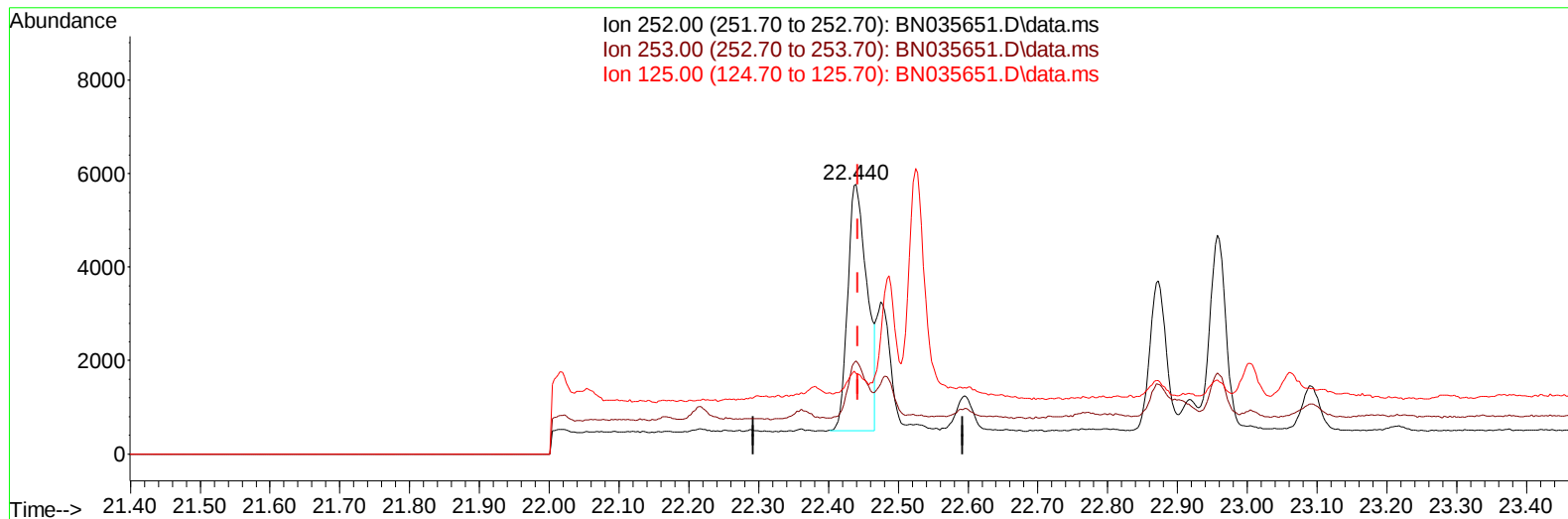
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 0.26 ng/u1 m

response 10217

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	34.57
125.00	18.80	29.94
0.00	0.00	0.00

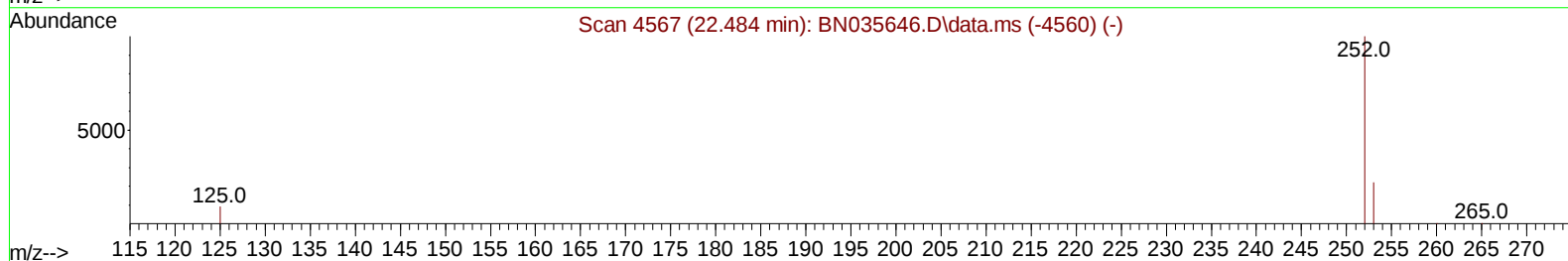
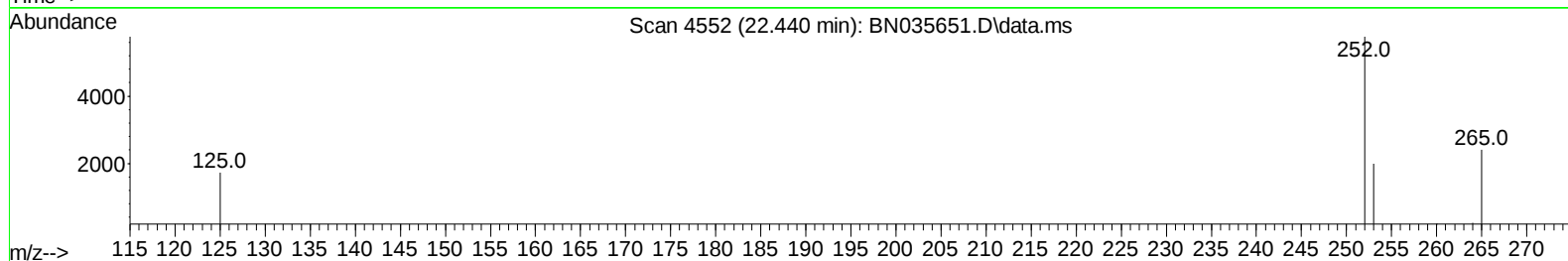
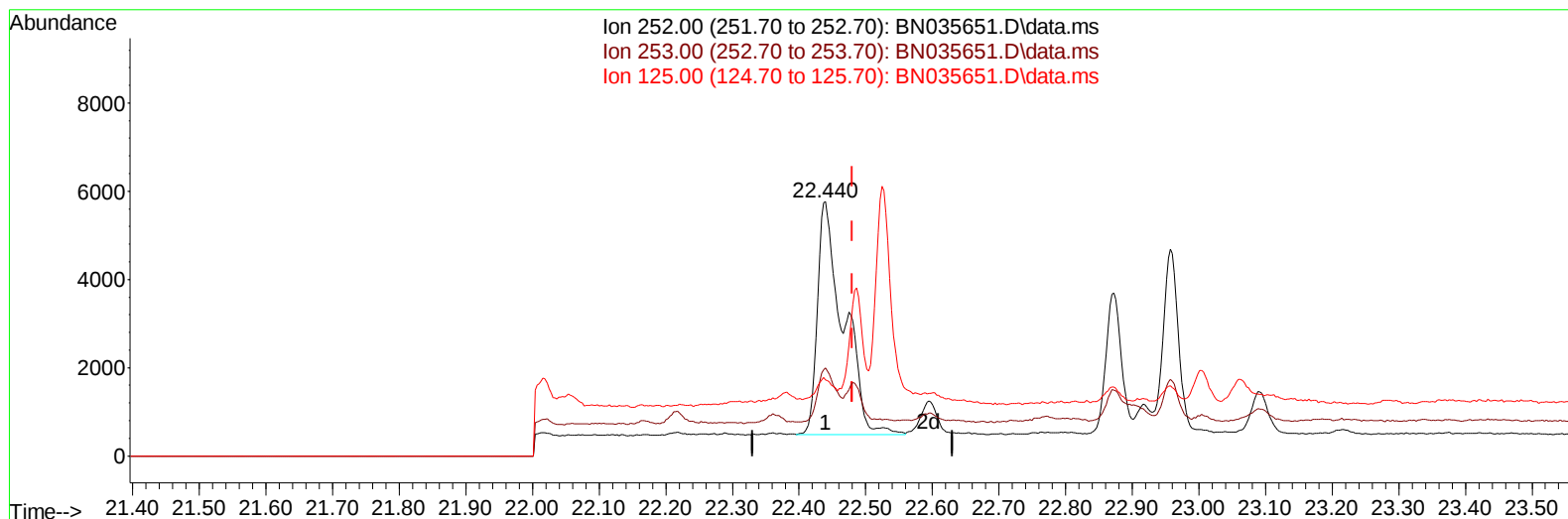
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 0.33 ng/u1

response 14334

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	34.57#
125.00	19.10	29.94#
0.00	0.00	0.00

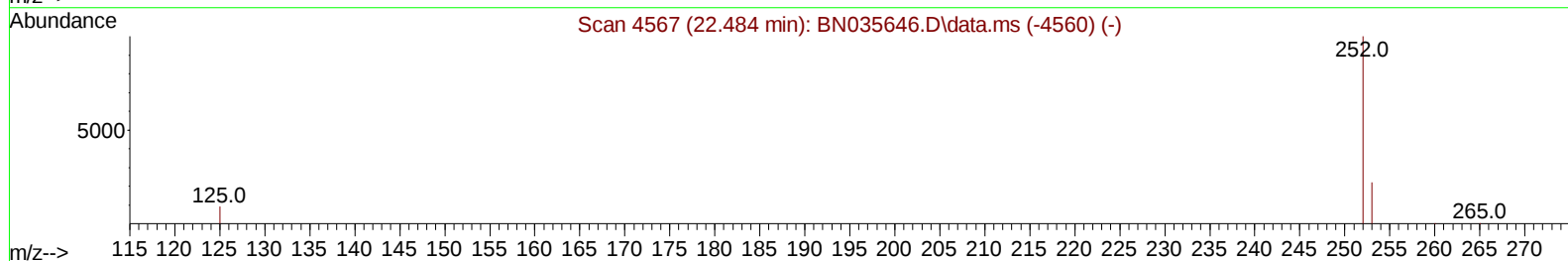
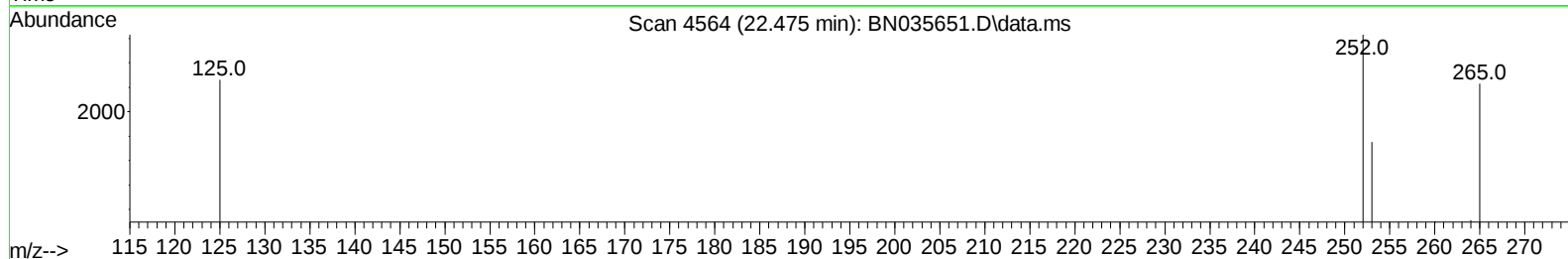
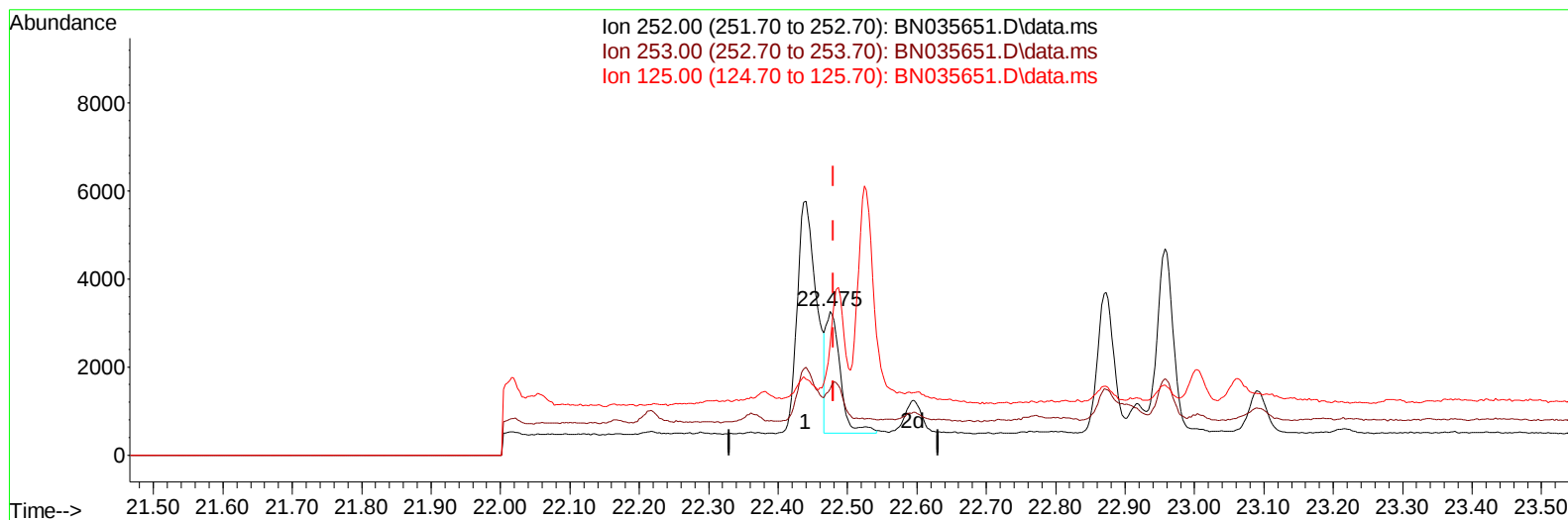
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.006) 0.09 ng/u1 m

response 3991

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	46.11#
125.00	19.10	77.35#
0.00	0.00	0.00

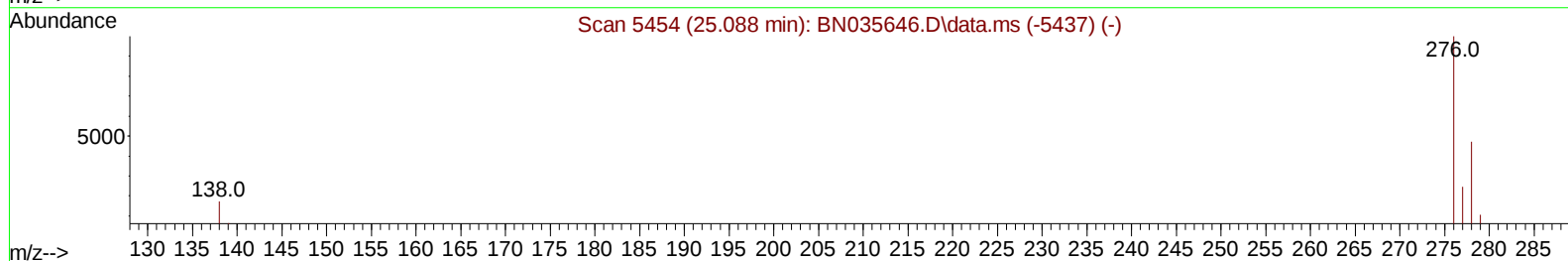
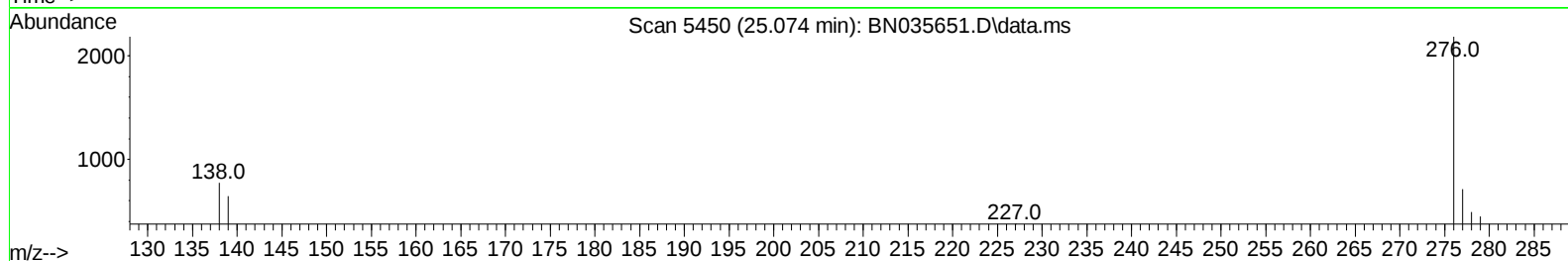
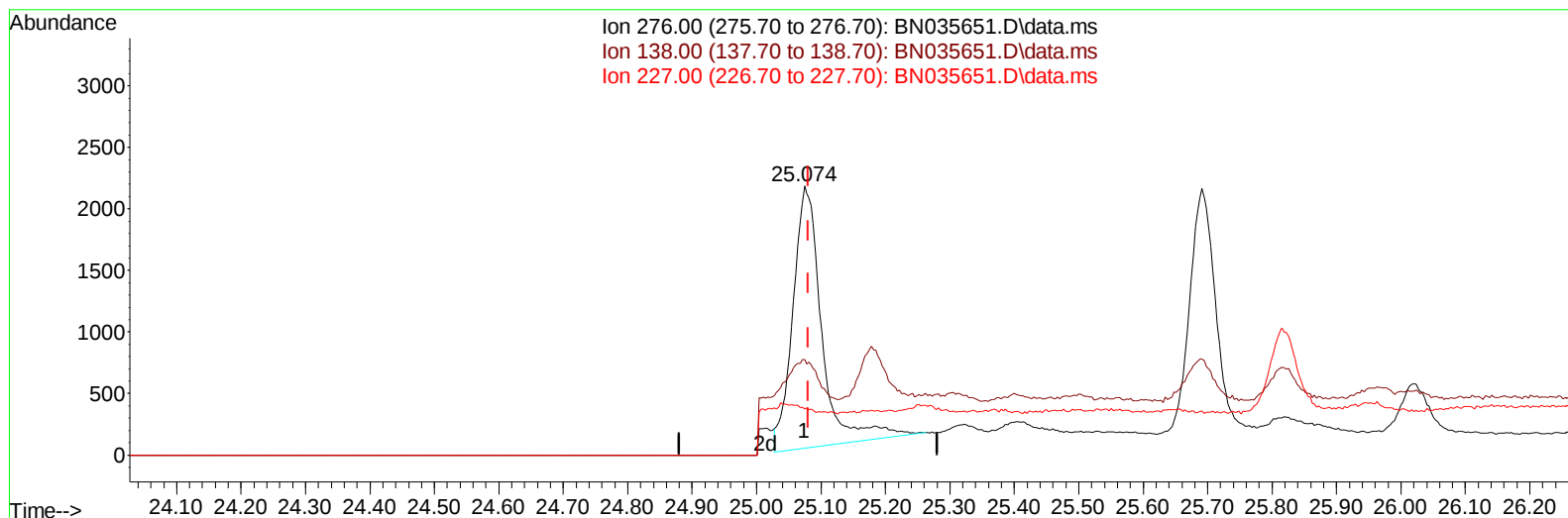
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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TIC: BN035651.D\data.ms

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

25.074min (-0.006) 0.14 ng/u1

response 6654

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	77.01#
227.00	27.00	0.00#
0.00	0.00	0.00

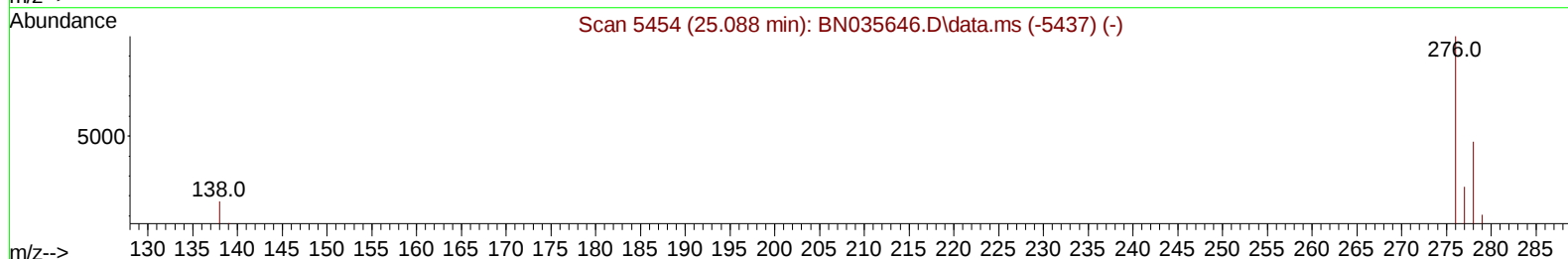
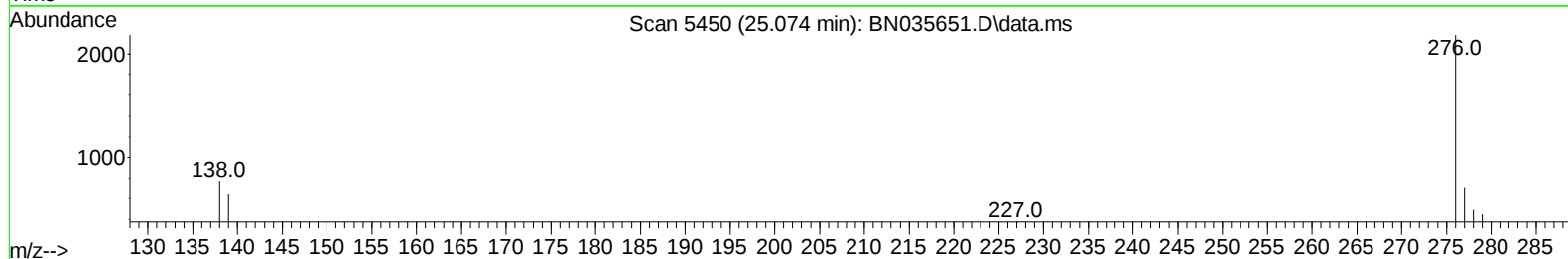
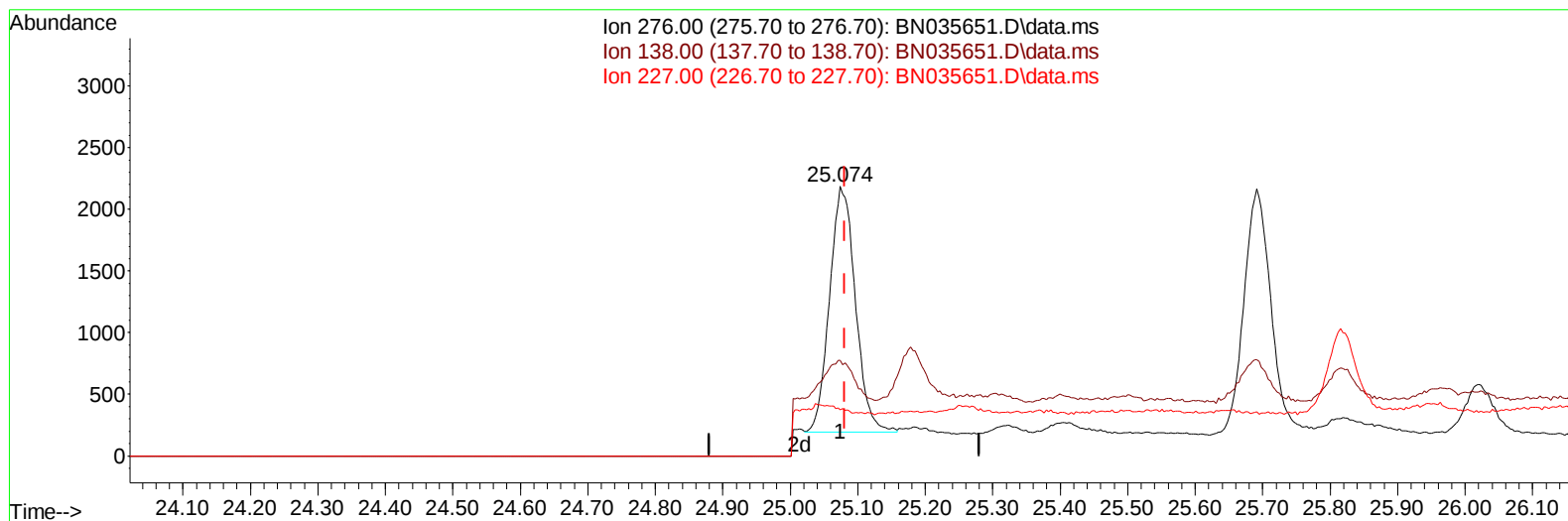
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035651.D\data.ms

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

25.074min (-0.006) 0.12 ng/u1 m

response 5314

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	96.42#
227.00	27.00	0.00#
0.00	0.00	0.00

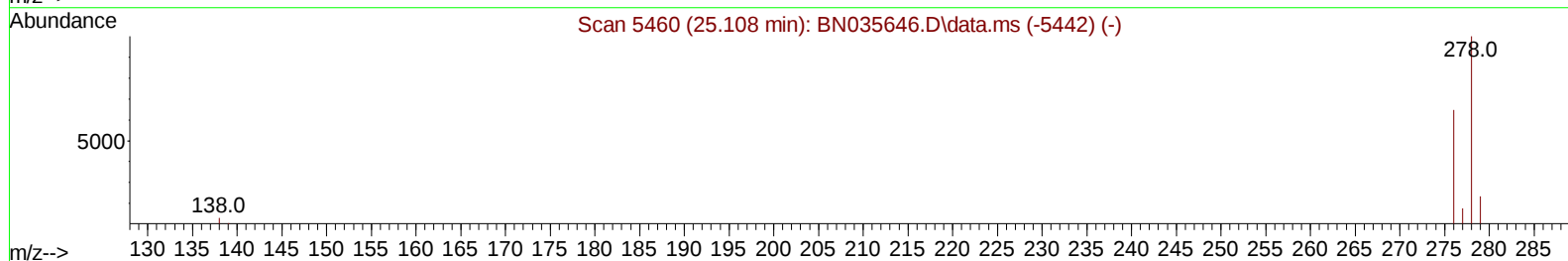
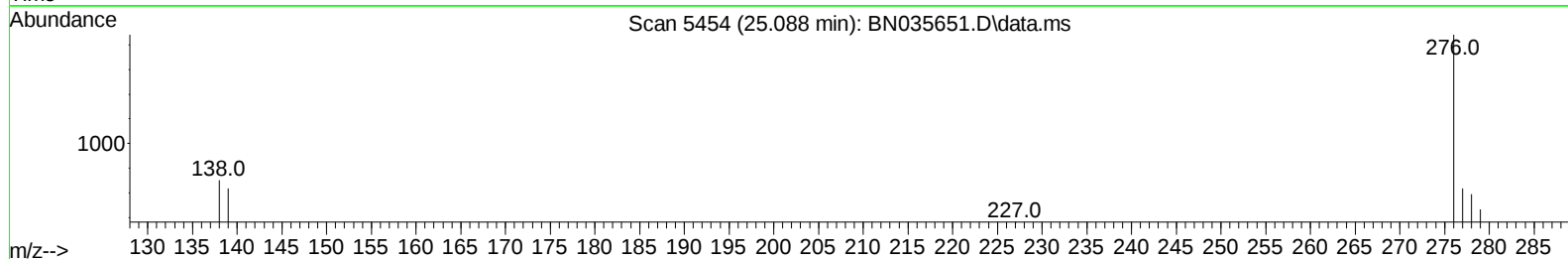
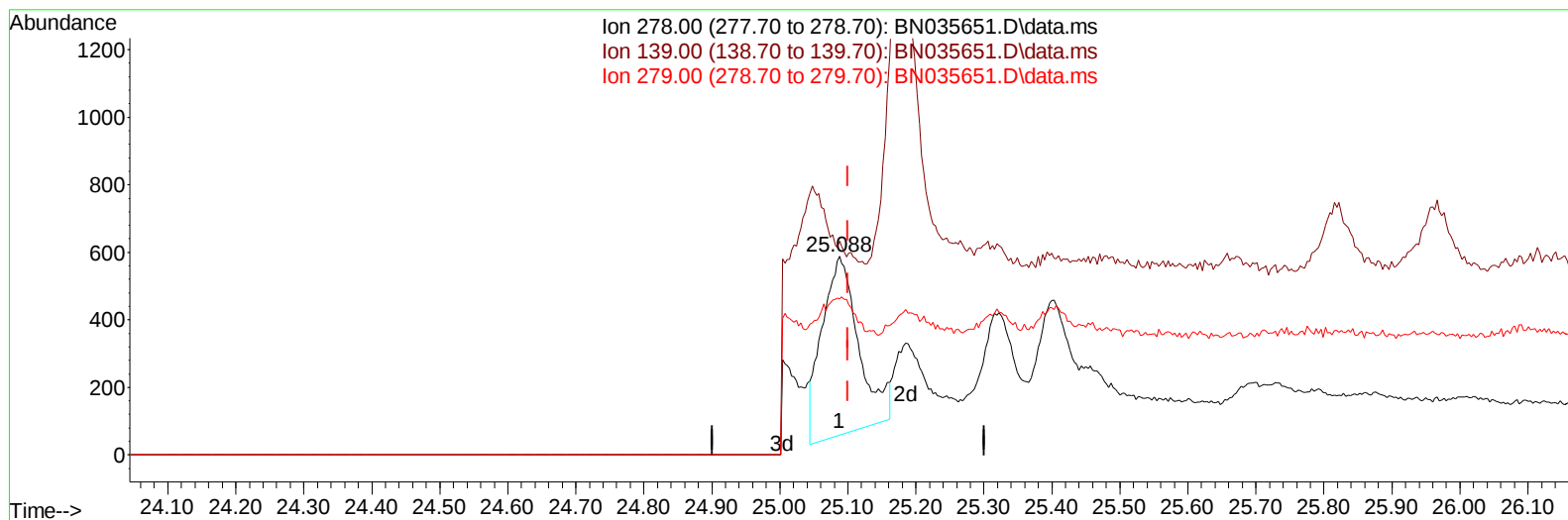
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
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Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035651.D\data.ms

(28) Dibenzo(a,h)anthracene

25.088min (-0.013) 0.06 ng/u1

response 1978

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	107.47#
279.00	30.00	78.61#
0.00	0.00	0.00

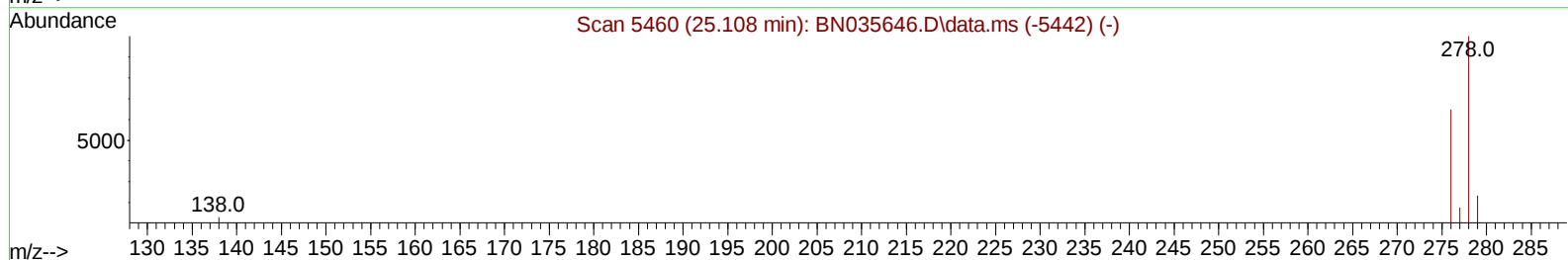
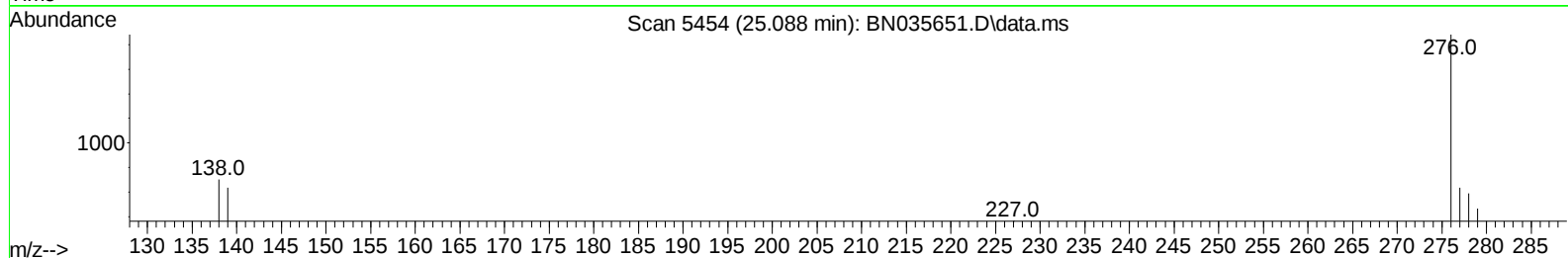
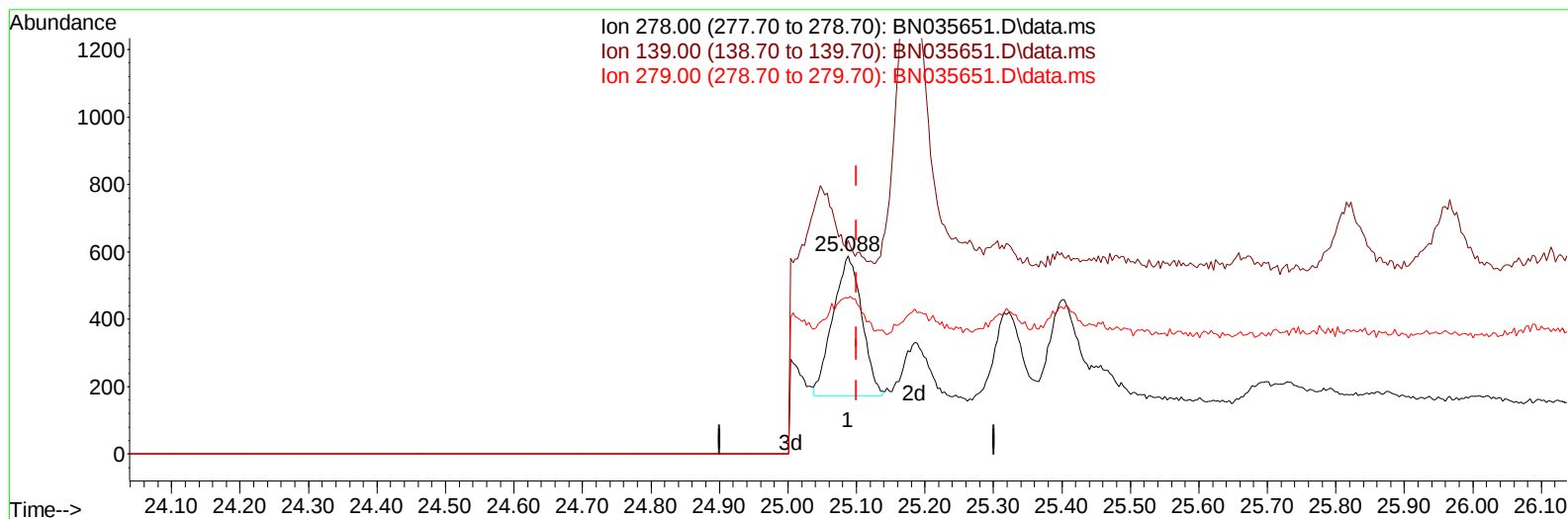
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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: BN035651.D\data.ms

(28) Dibenzo(a,h)anthracene

25.088min (-0.013) 0.03 ng/u1 m

response 1215

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	107.47#
279.00	30.00	78.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035651.D
 Acq On : 17 Dec 2024 13:00
 Operator : RC/JU
 Sample : P5232-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S9

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 14:04:38 2024
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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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	3673	0.400	ng/ul	0.00
4) Naphthalene-d8	10.026	136	10643	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	7353	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	15485	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	12418	0.400	ng/ul	0.00
23) Perylene-d12	23.048	264	13244m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	7470	2.294	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2498	0.165	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	5279	0.145	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	1800m	0.069	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1245	0.071	ng/ul	100
8) 1-Methylnaphthalene	11.934	142	886	0.049	ng/ul	99
10) Acenaphthylene	13.657	152	634	0.022	ng/ul#	63
15) Phenanthrene	16.755	178	5599	0.144	ng/ul	98
16) Anthracene	16.848	178	1311	0.036	ng/ul#	77
19) Fluoranthene	18.800	202	13129	0.296	ng/ul	99
20) Pyrene	19.167	202	11887	0.243	ng/ul	100
21) Benzo(a)anthracene	20.947	228	5243	0.127	ng/ul#	89
22) Chrysene	20.997	228	7053	0.165	ng/ul#	94
24) Benzo(b)fluoranthene	22.440	252	10217m	0.262	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	3991m	0.092	ng/ul	
26) Benzo(a)pyrene	22.957	252	6710	0.178	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.074	276	5314m	0.115	ng/ul	
28) Dibenzo(a,h)anthracene	25.088	278	1215m	0.035	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	5631	0.152	ng/ul#	83

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035651.D
Acq On : 17 Dec 2024 13:00
Operator : RC/JU
Sample : P5232-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S9

Manual IntegrationsAPPROVED

Quant Time: Dec 17 14:04:38 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

