

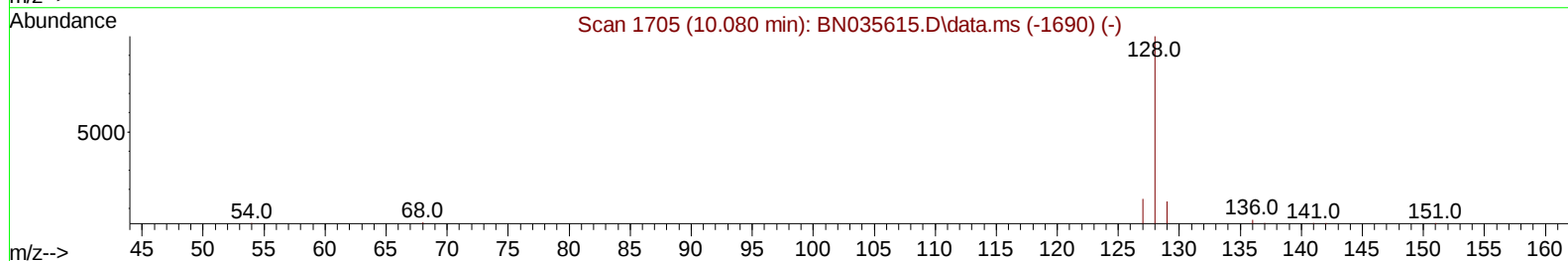
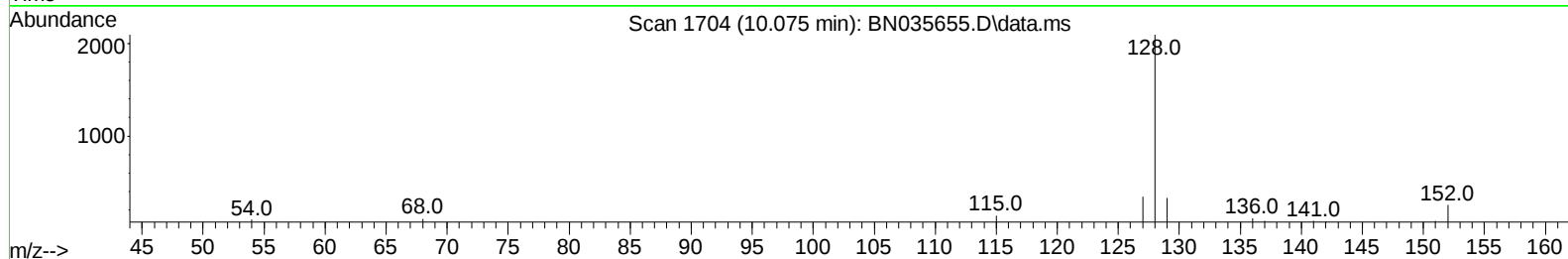
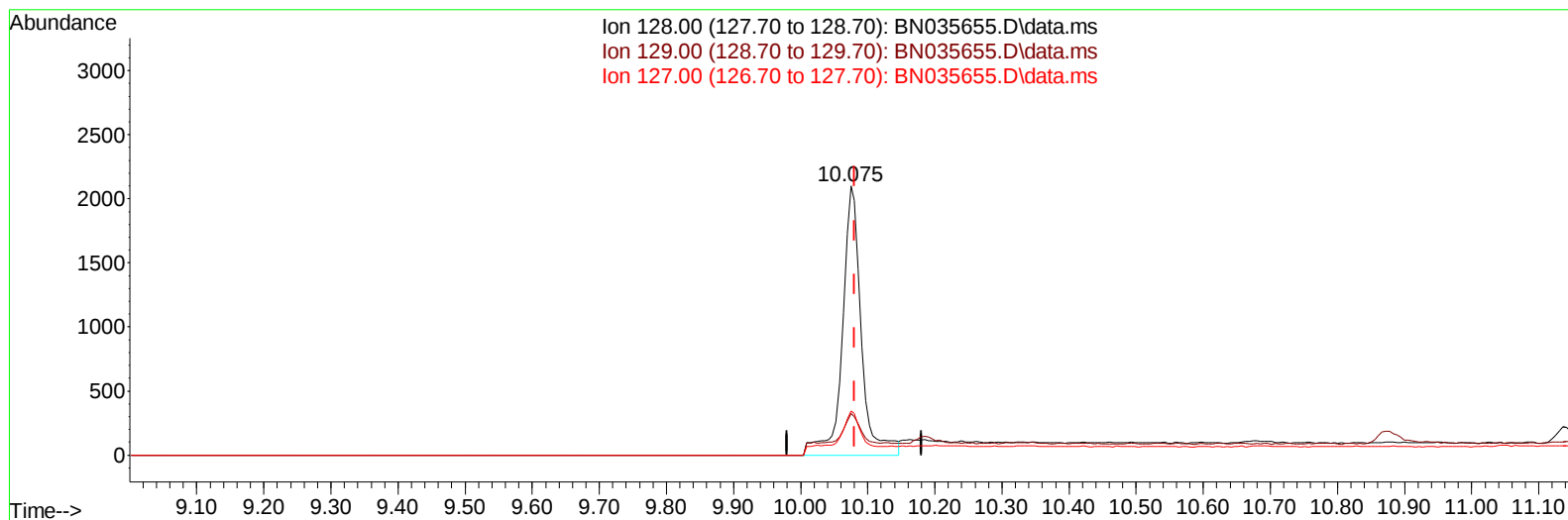
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(5) Naphthalene

10.075min (-0.006) 0.20 ng/u1

response 4067

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.48
127.00	15.00	16.39
0.00	0.00	0.00

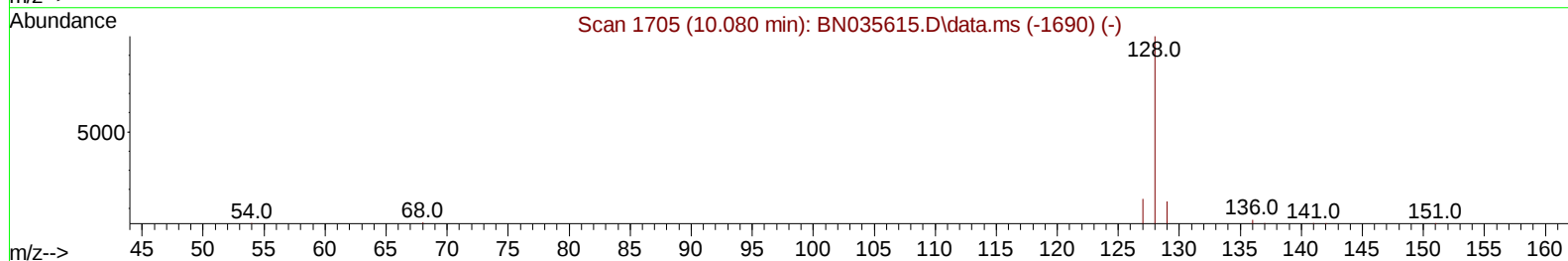
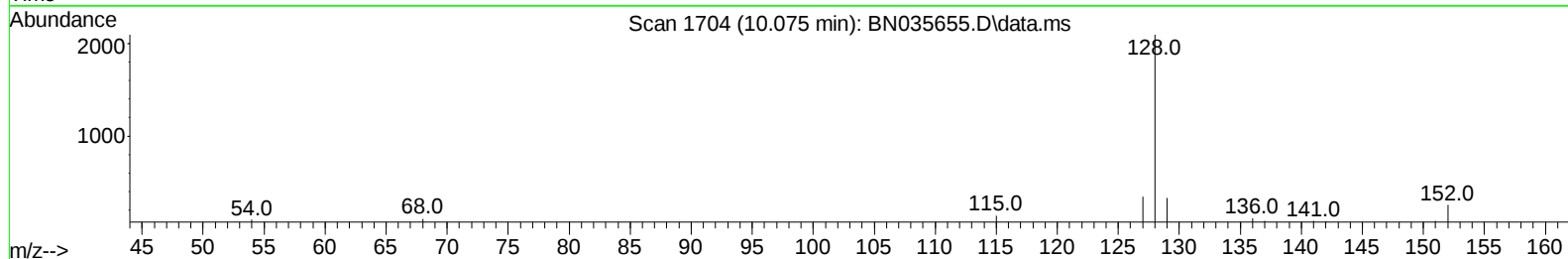
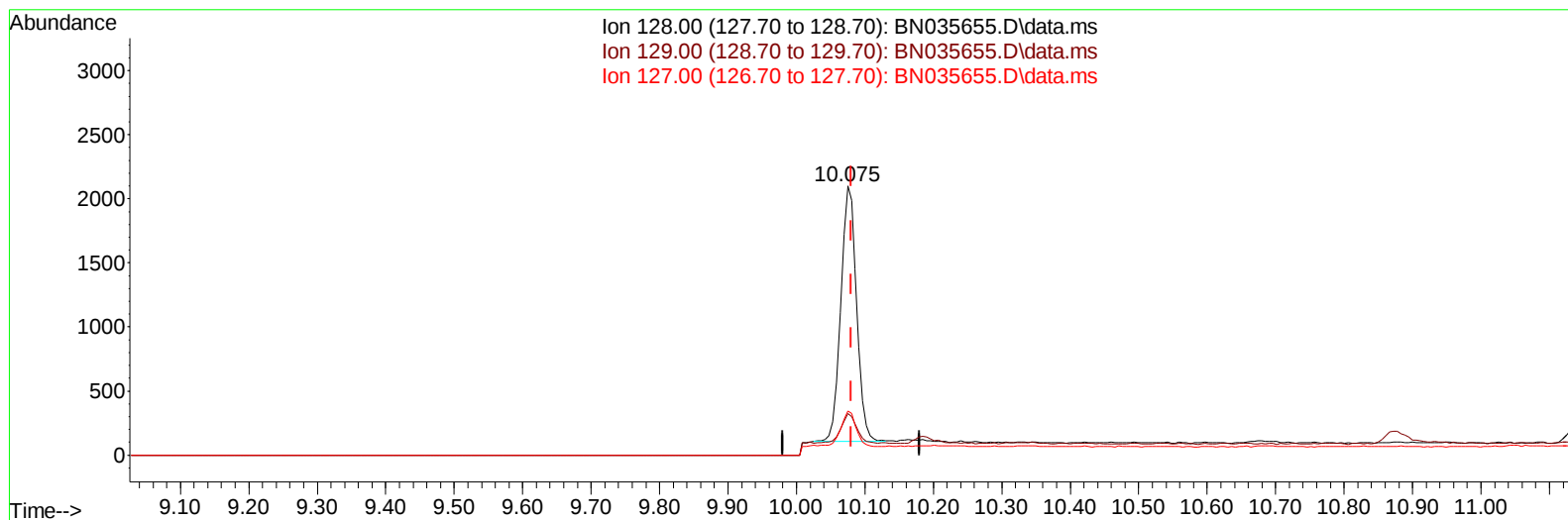
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
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Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

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: BN035655.D\data.ms

(5) Naphthalene

10.075min (-0.006) 0.16 ng/ul m

response 3238

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.48
127.00	15.00	16.39
0.00	0.00	0.00

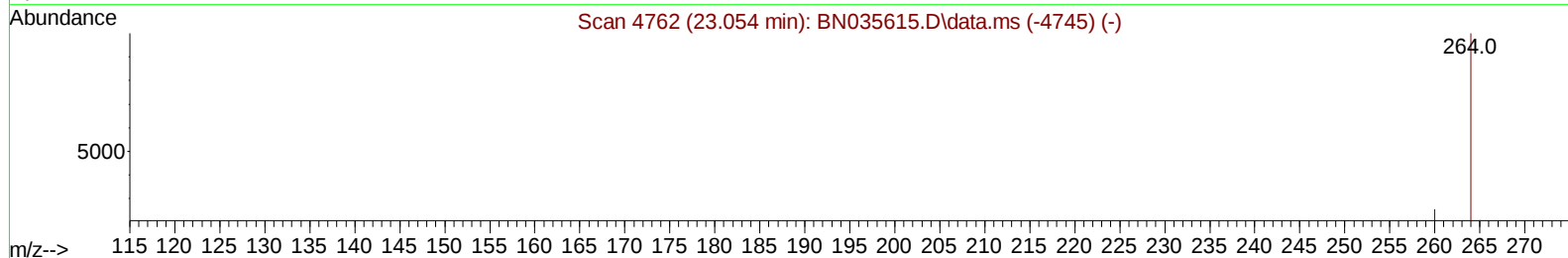
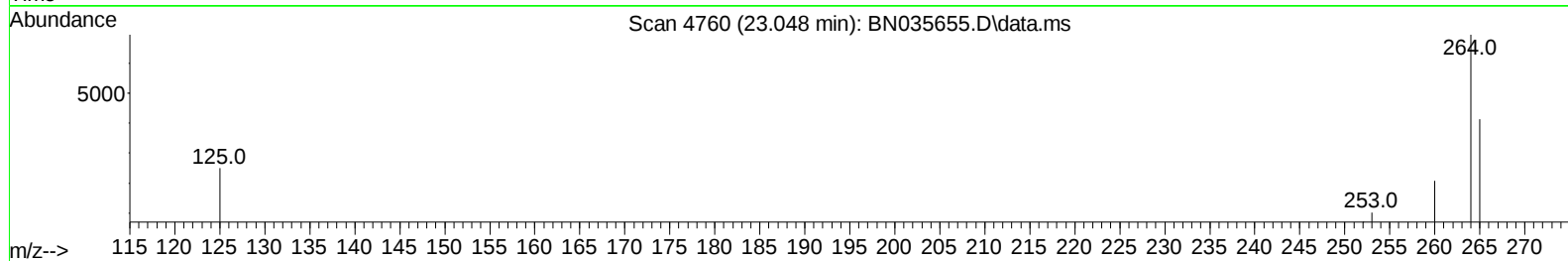
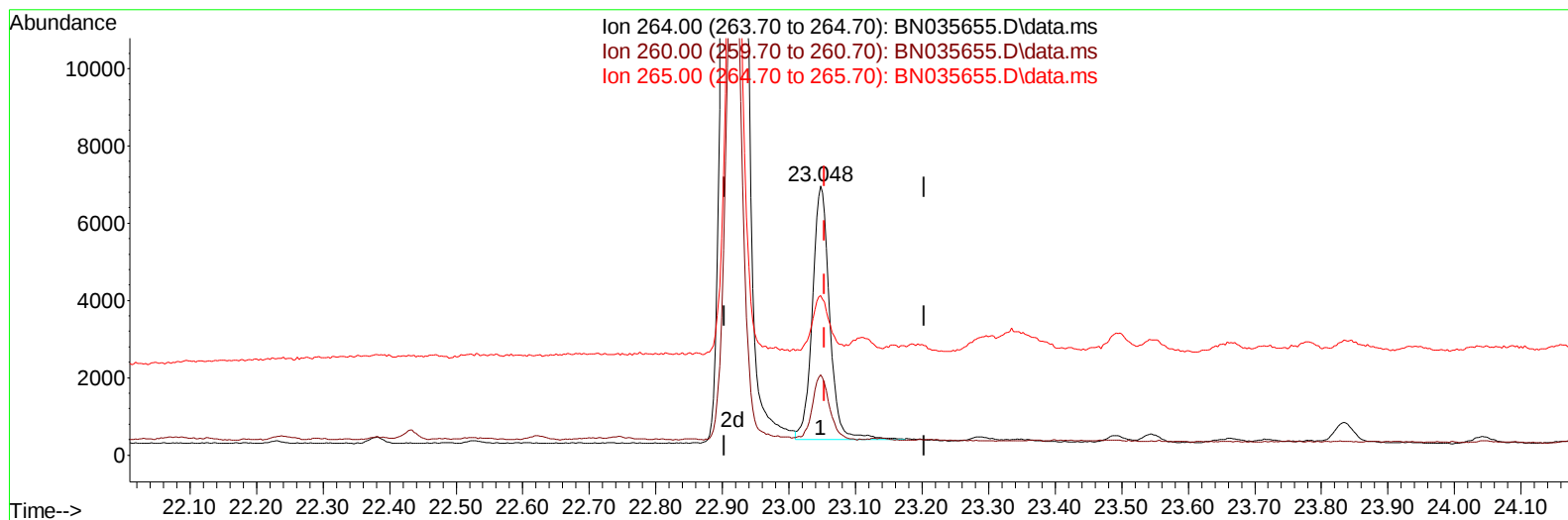
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

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TIC: BN035655.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 11842

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.92
265.00	62.10	59.31
0.00	0.00	0.00

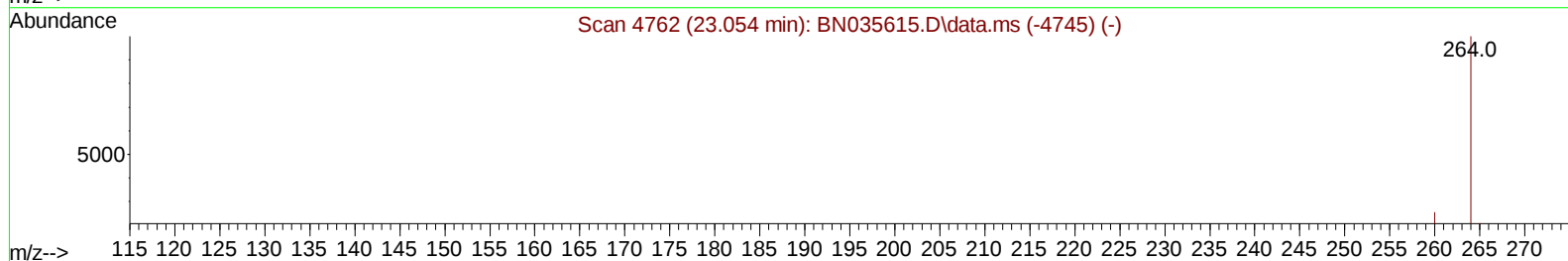
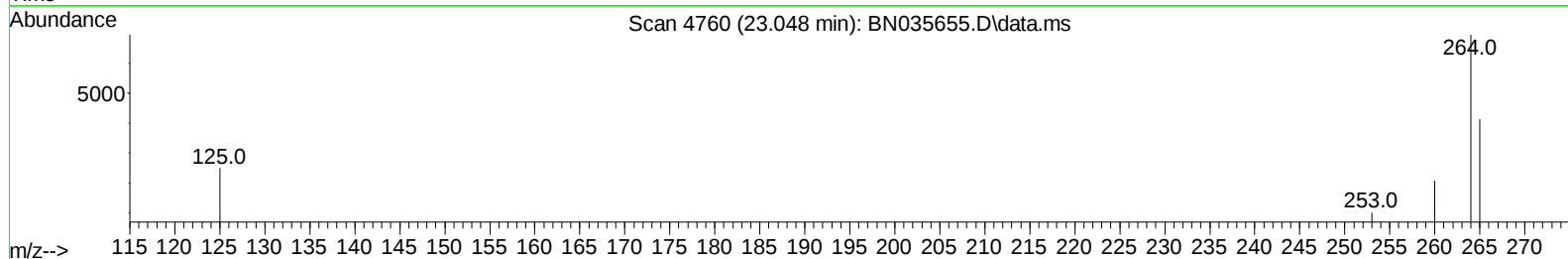
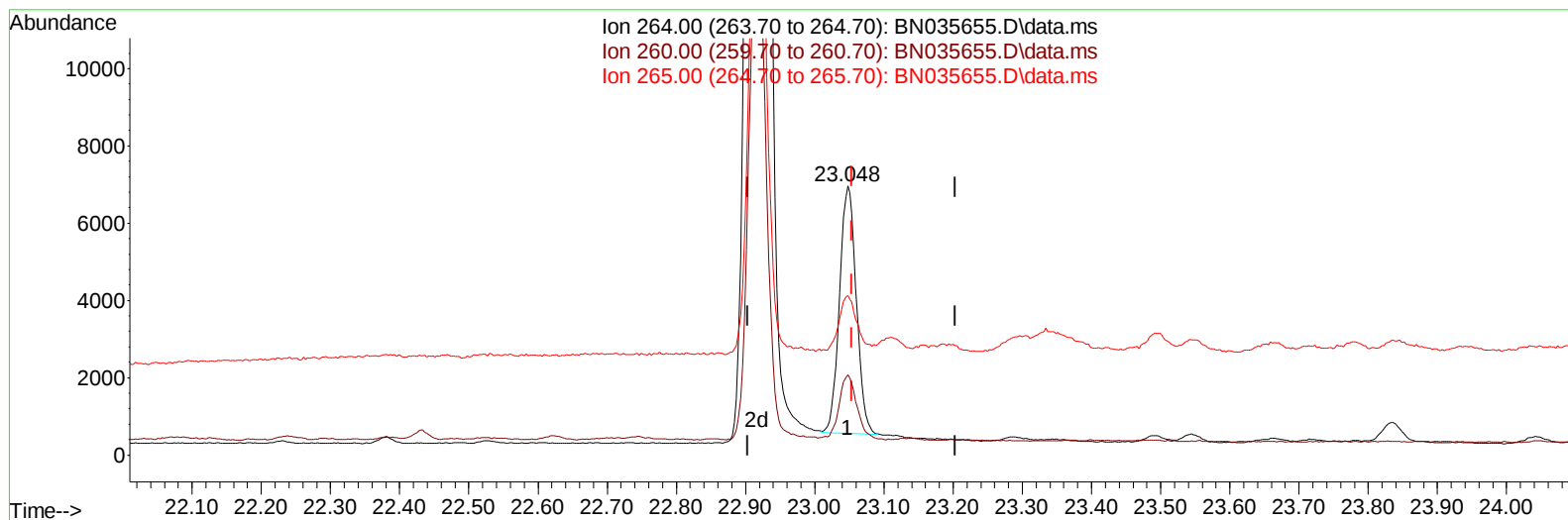
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 10781

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.92
265.00	62.10	59.31
0.00	0.00	0.00

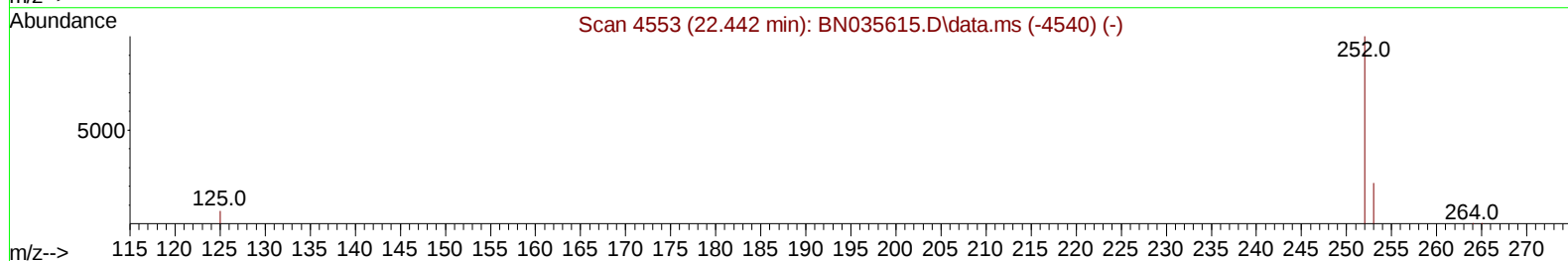
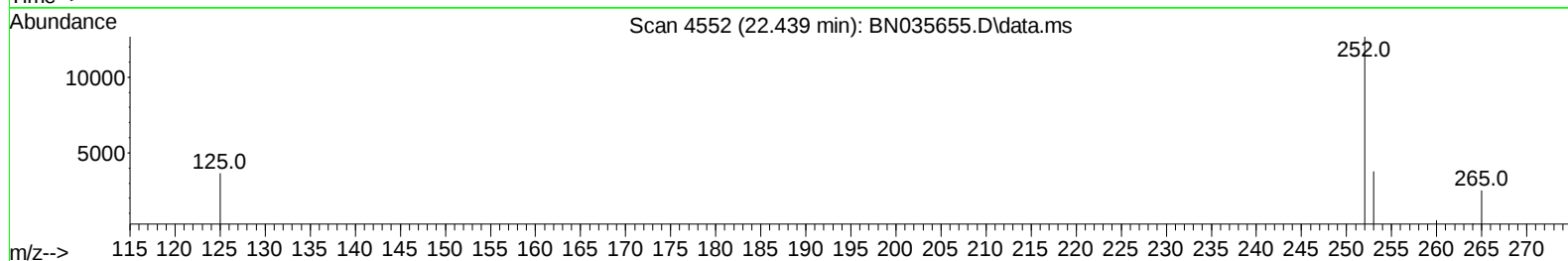
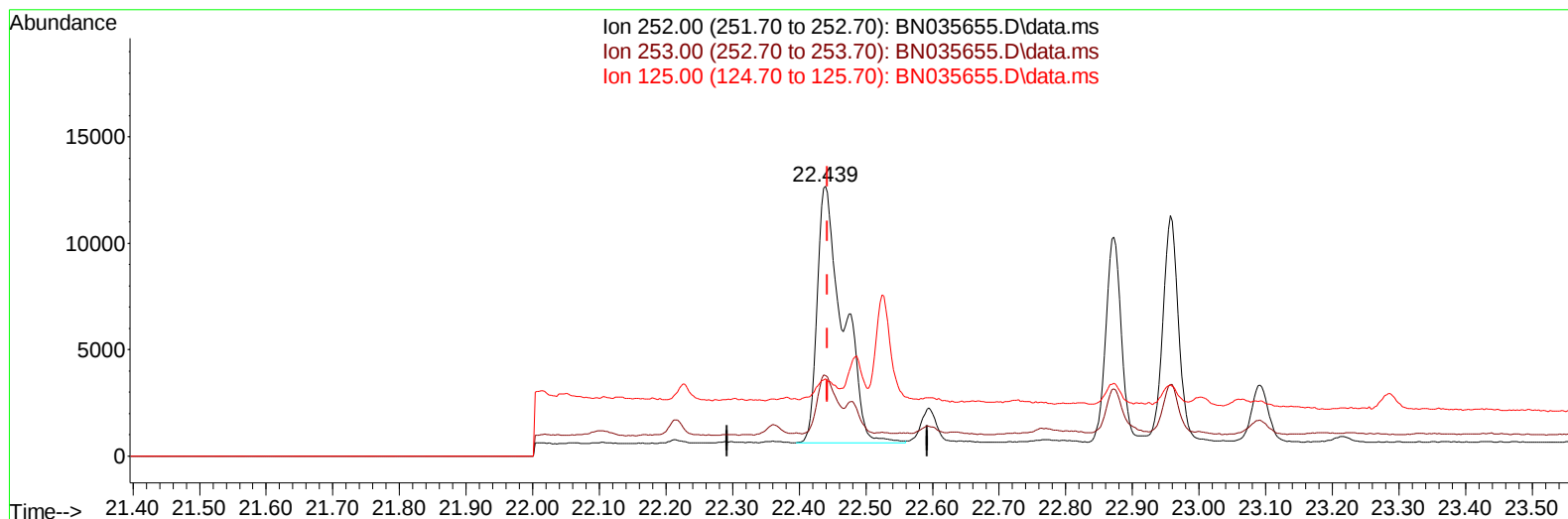
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BN035655.D\data.ms

(24) Benzo(b)fluoranthene

22.439min (-0.003) 1.03 ng/u1

response 32659

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.88
125.00	18.80	28.71
0.00	0.00	0.00

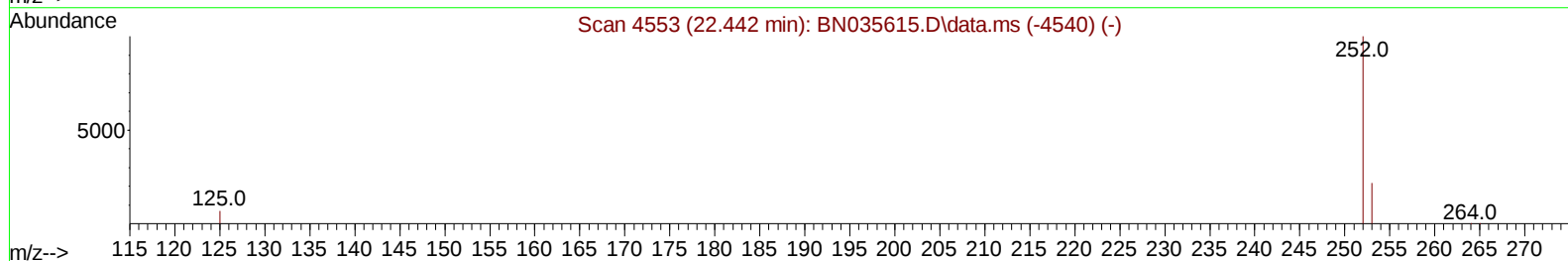
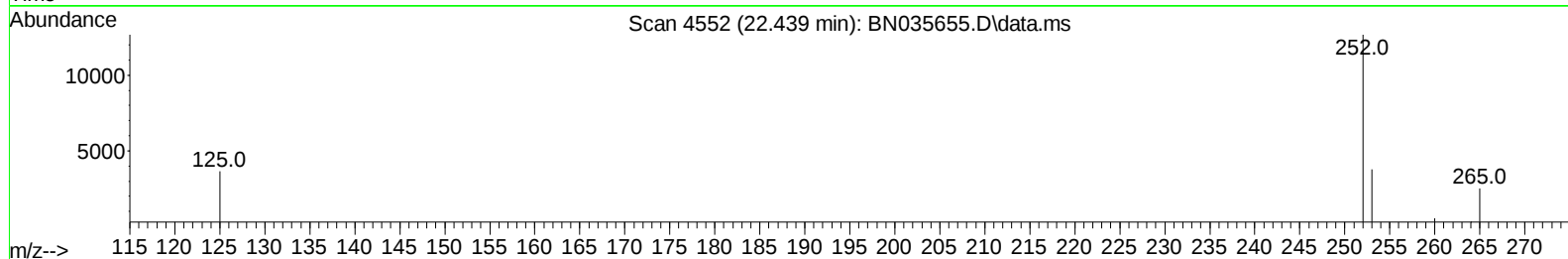
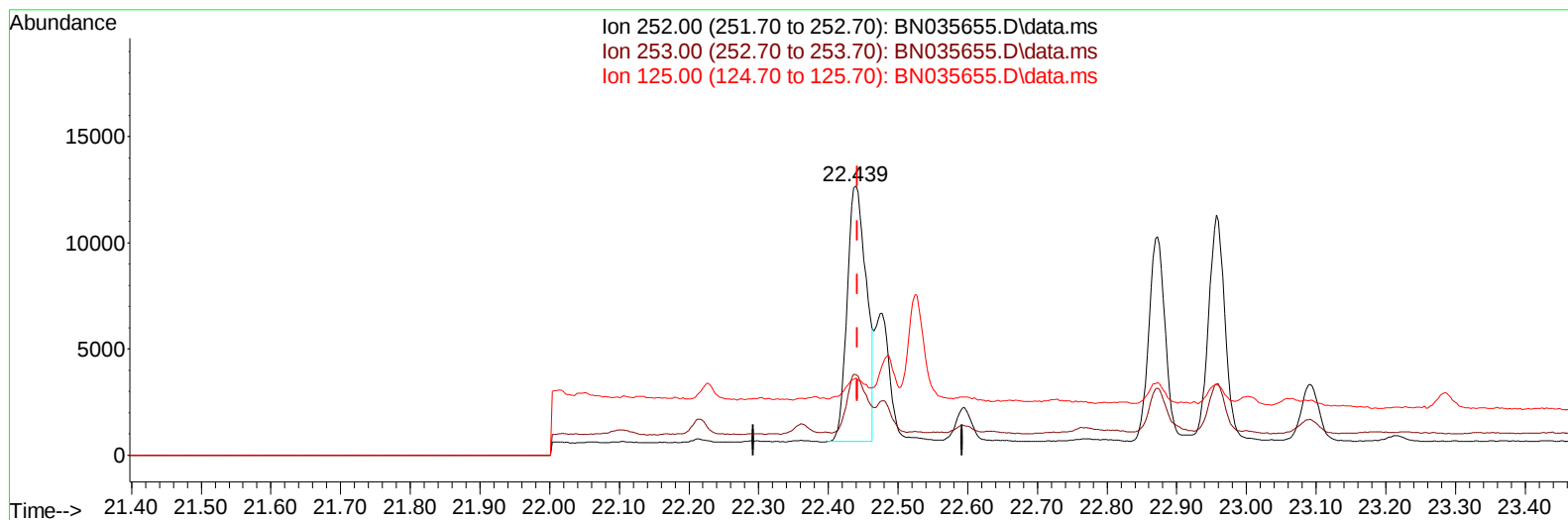
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(24) Benzo(b)fluoranthene

22.439min (-0.003) 0.73 ng/u1 m

response 23110

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.88
125.00	18.80	28.71
0.00	0.00	0.00

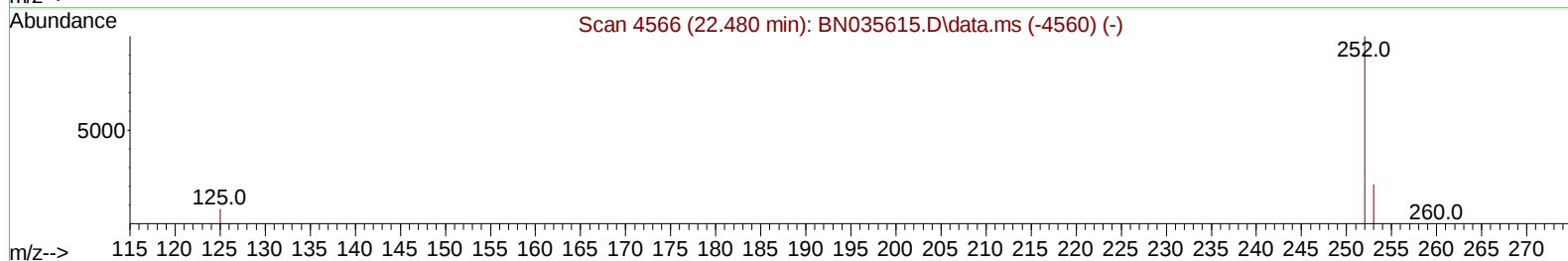
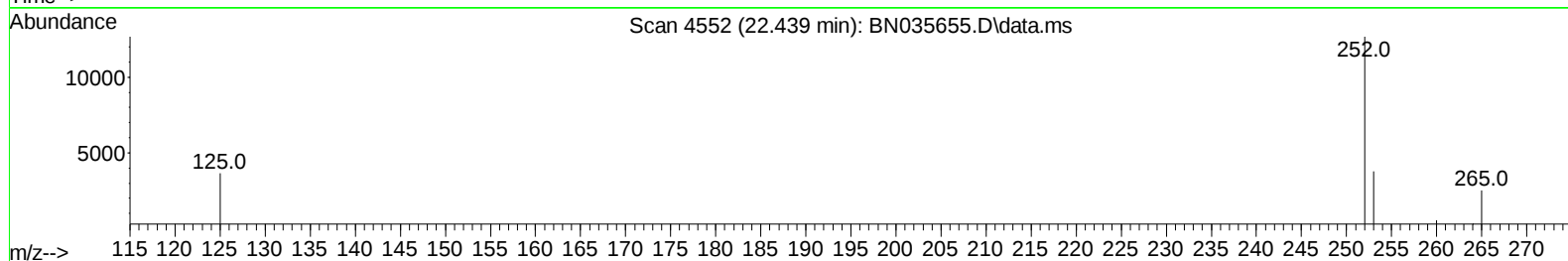
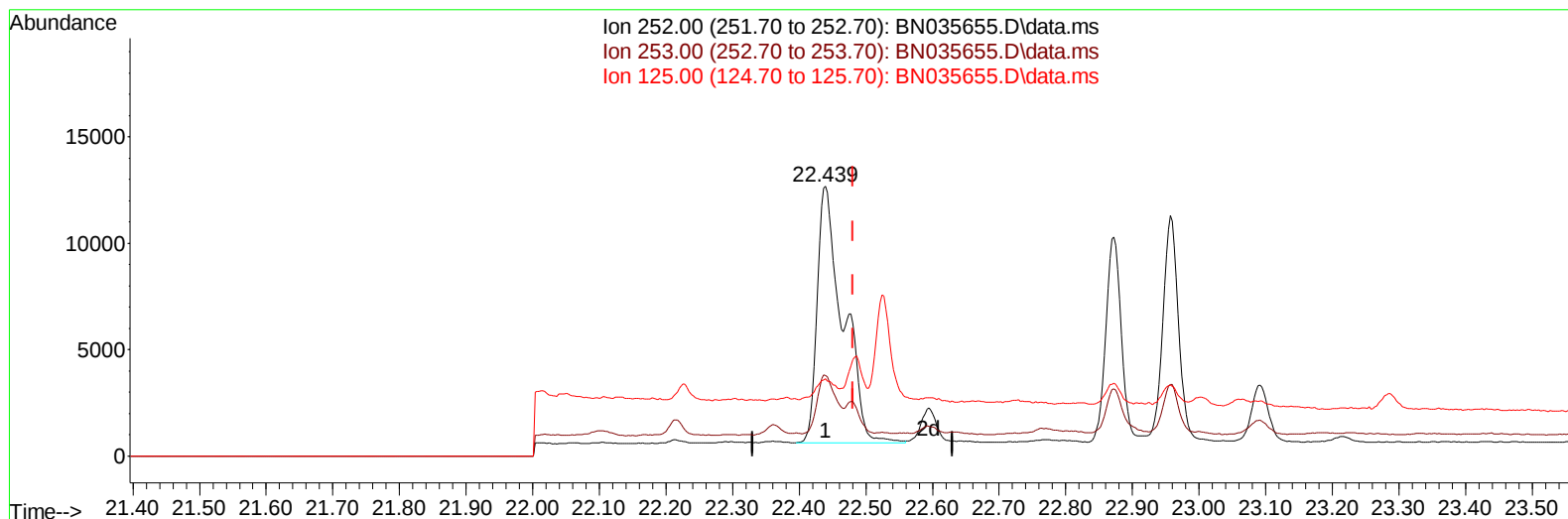
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Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(25) Benzo(k)fluoranthene

22.439min (-0.041) 0.93 ng/u1

response 32659

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	29.88
125.00	19.10	28.71#
0.00	0.00	0.00

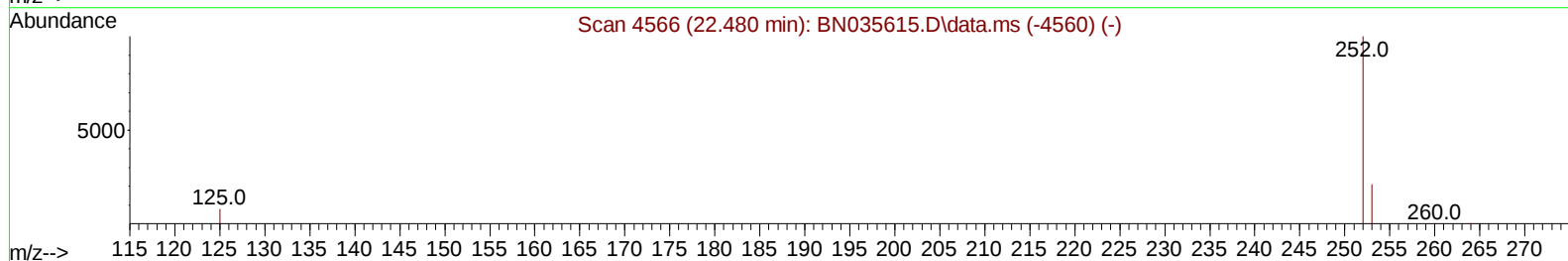
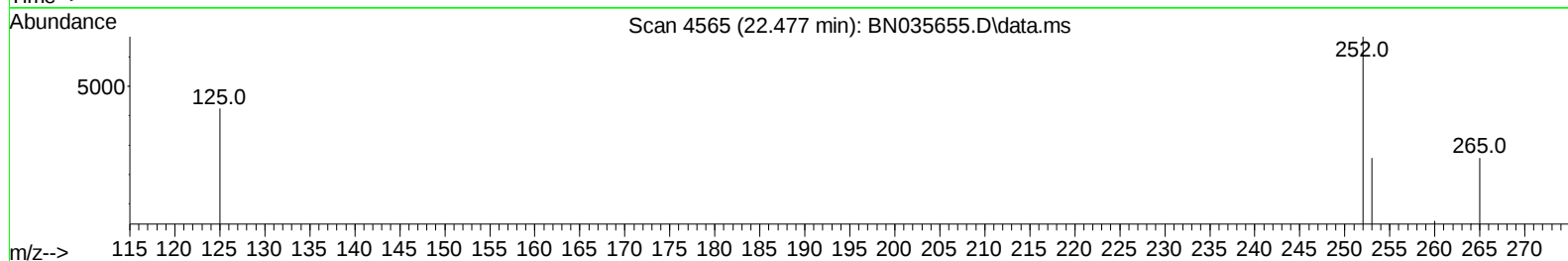
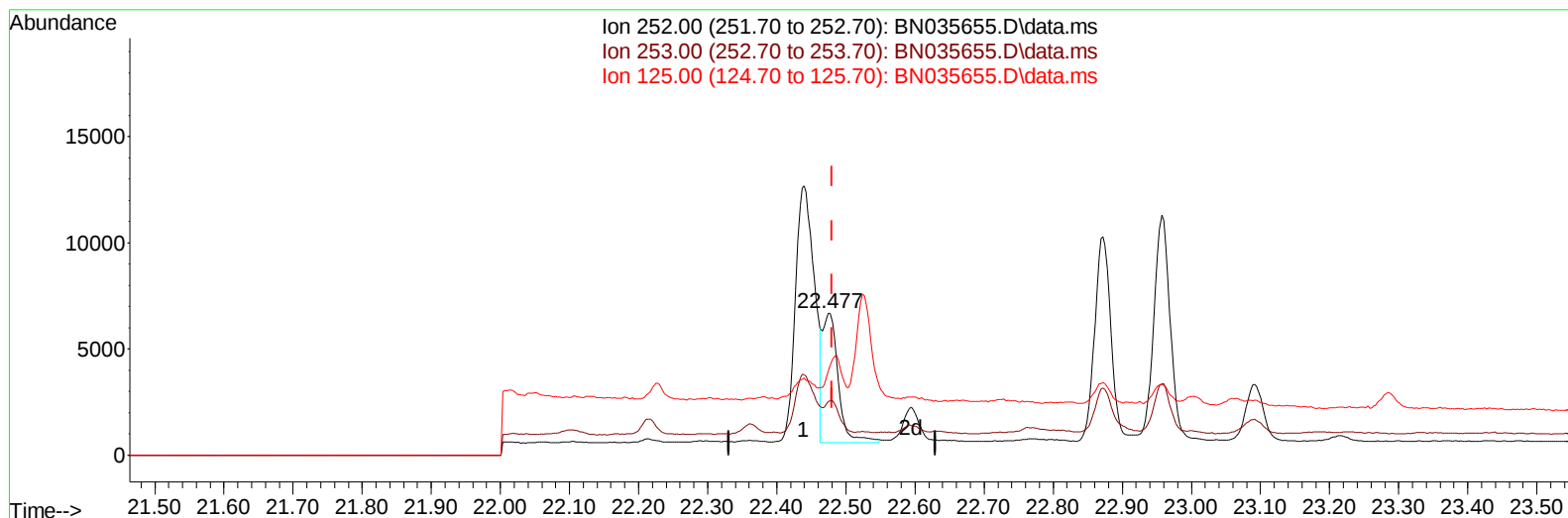
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(25) Benzo(k)fluoranthene

22.477min (-0.003) 0.27 ng/u1 m

response 9526

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	38.28#
125.00	19.10	63.39#
0.00	0.00	0.00

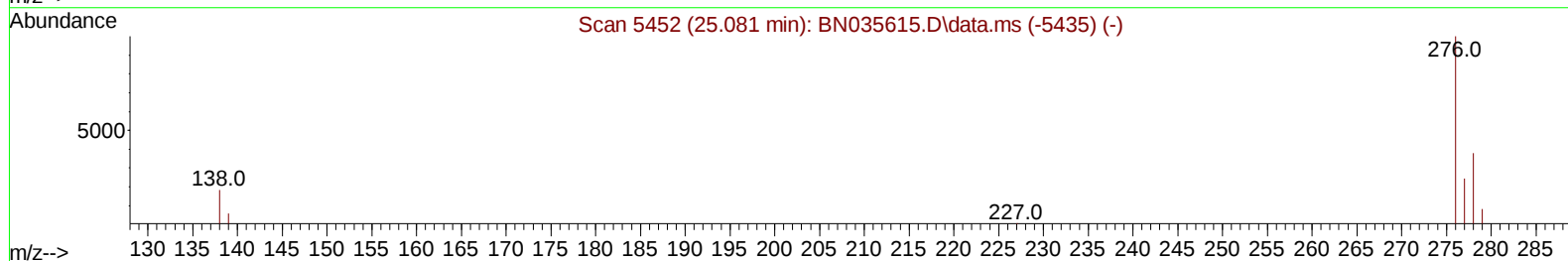
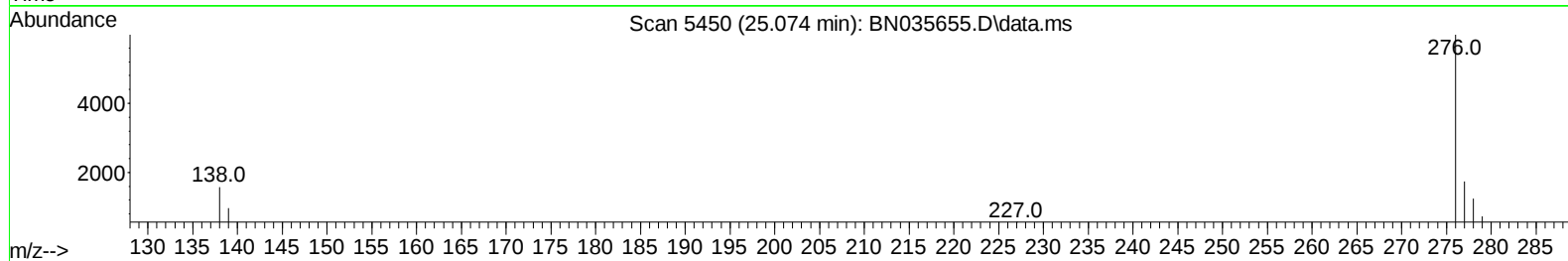
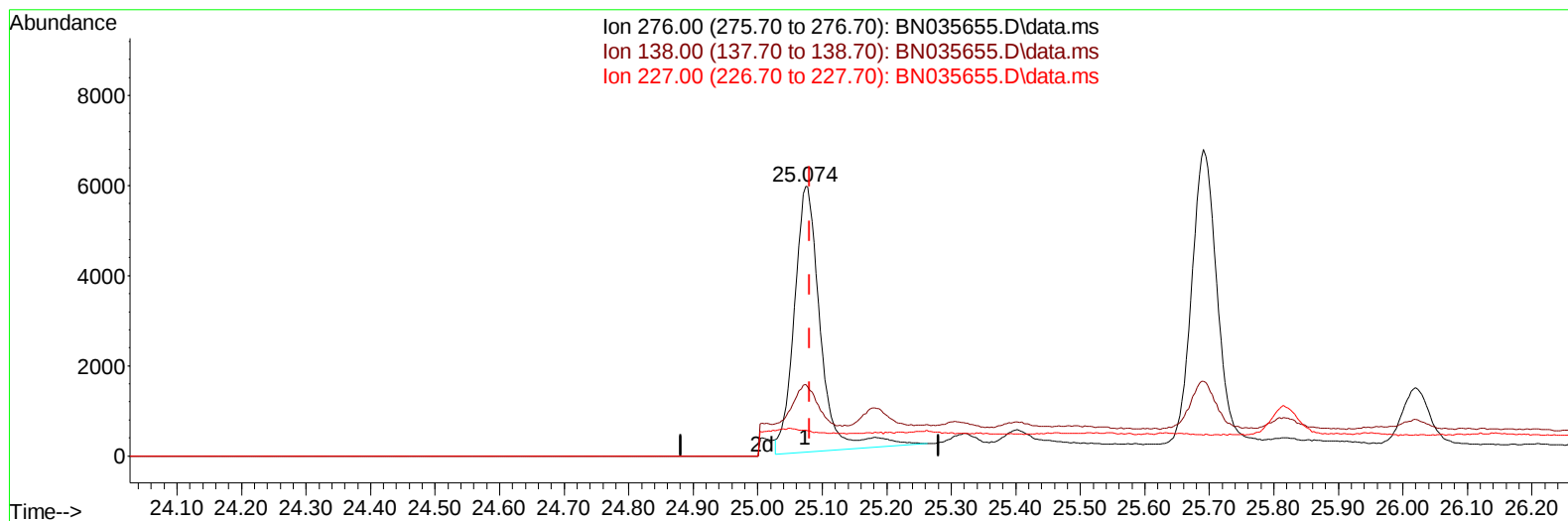
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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TIC: BN035655.D\data.ms

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

25.074min (-0.007) 0.45 ng/u1

response 16676

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	18.91
227.00	27.00	0.00#
0.00	0.00	0.00

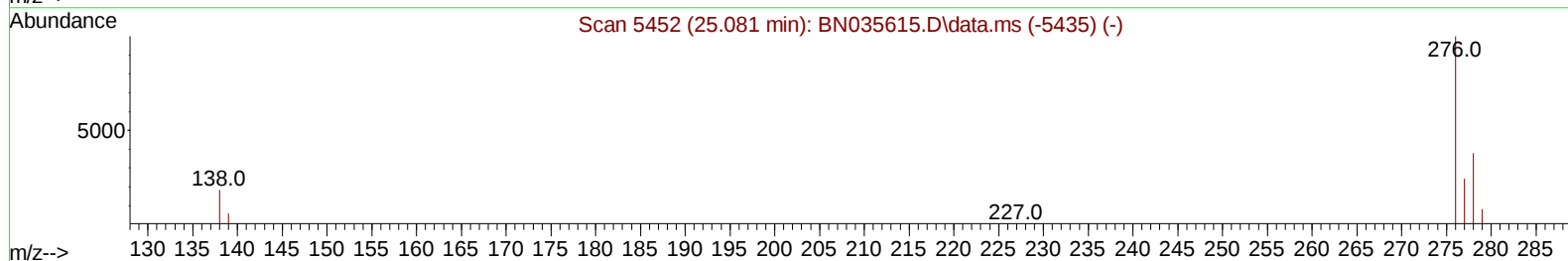
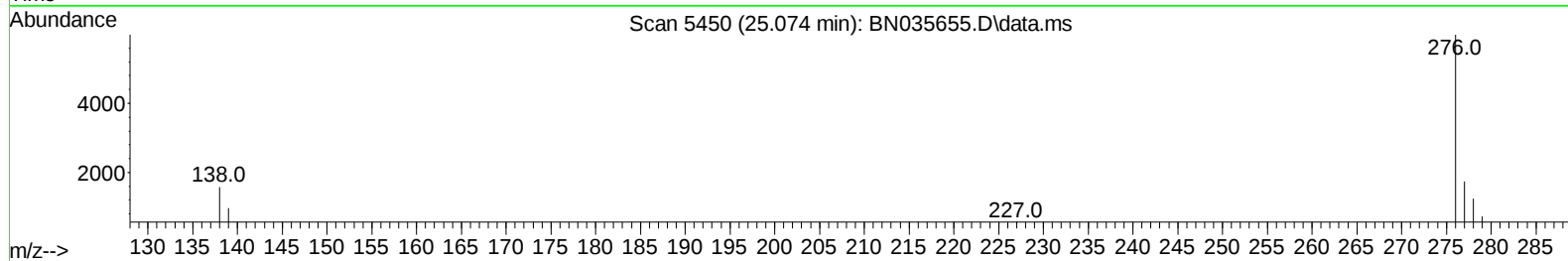
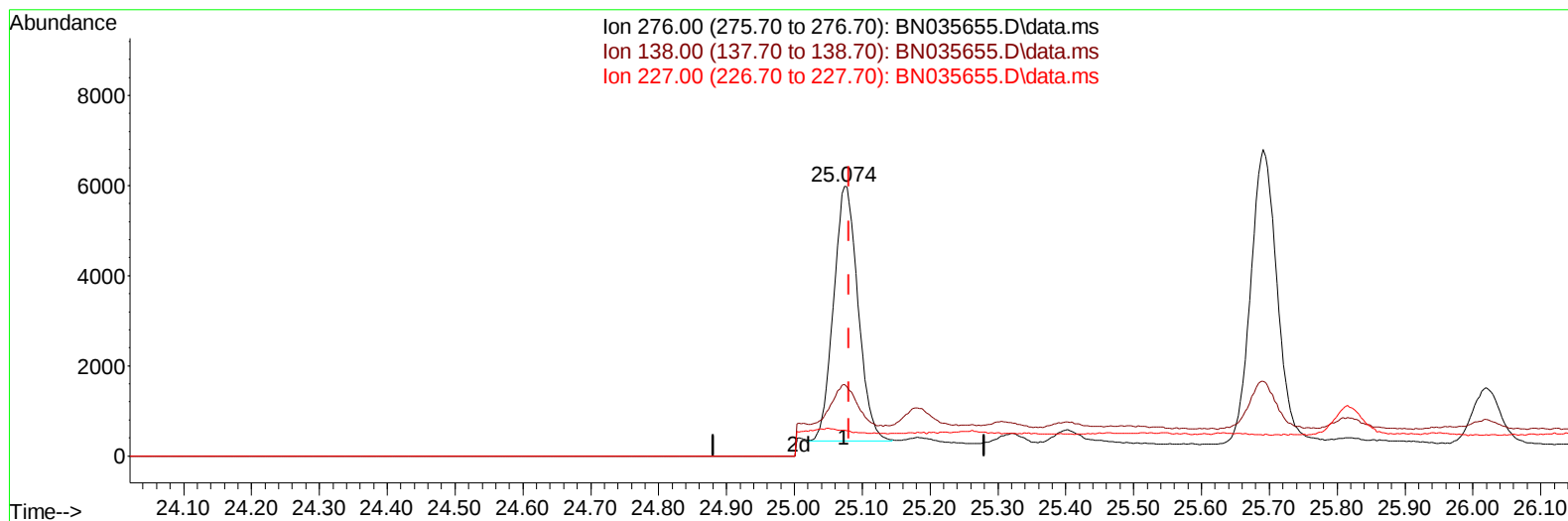
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035655.D\data.ms

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

25.074min (-0.007) 0.38 ng/u1 m

response 14115

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	22.35#
227.00	27.00	0.00#
0.00	0.00	0.00

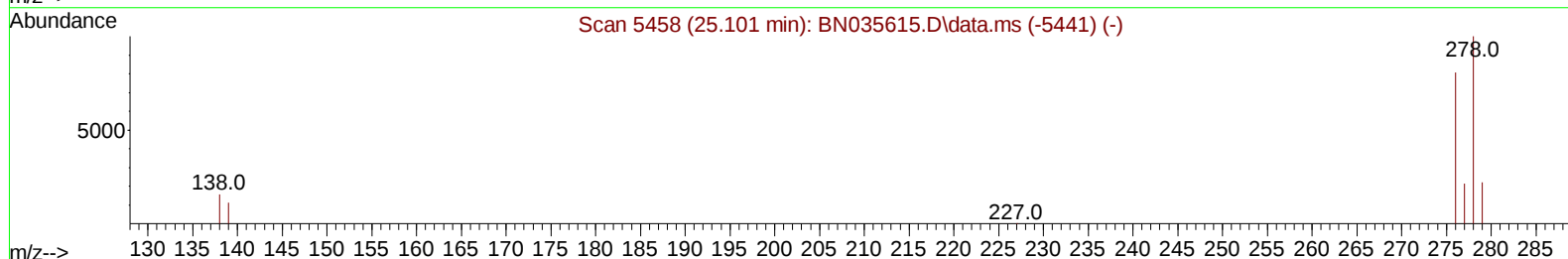
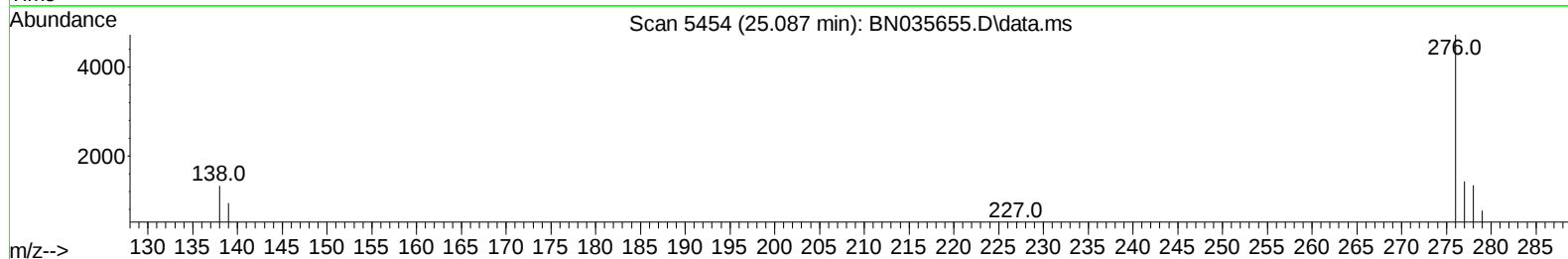
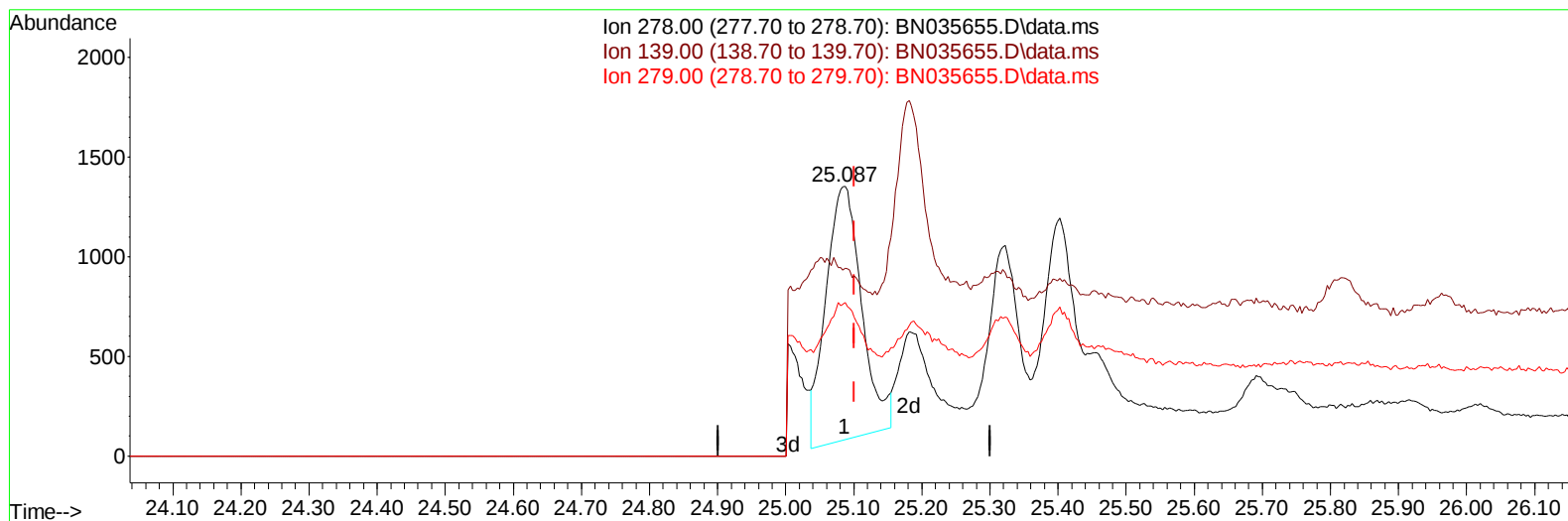
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035655.D\data.ms

(28) Dibenzo(a,h)anthracene

25.087min (-0.014) 0.16 ng/u1

response 4659

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	69.60#
279.00	30.00	56.95#
0.00	0.00	0.00

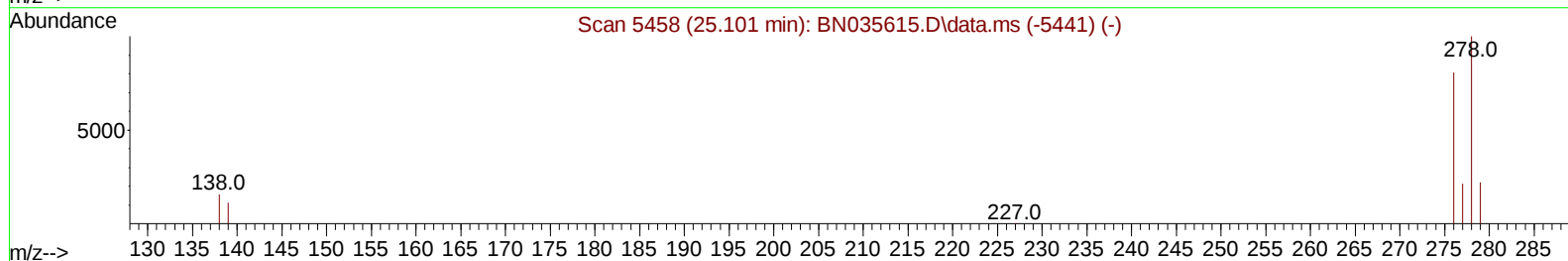
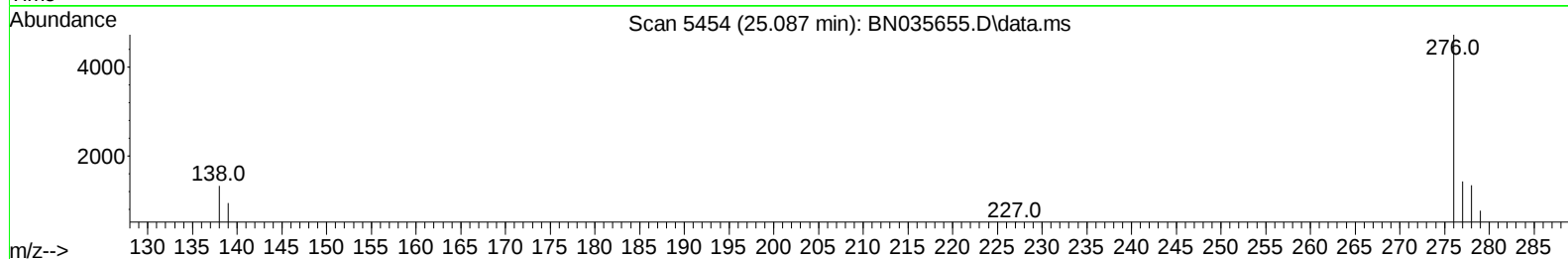
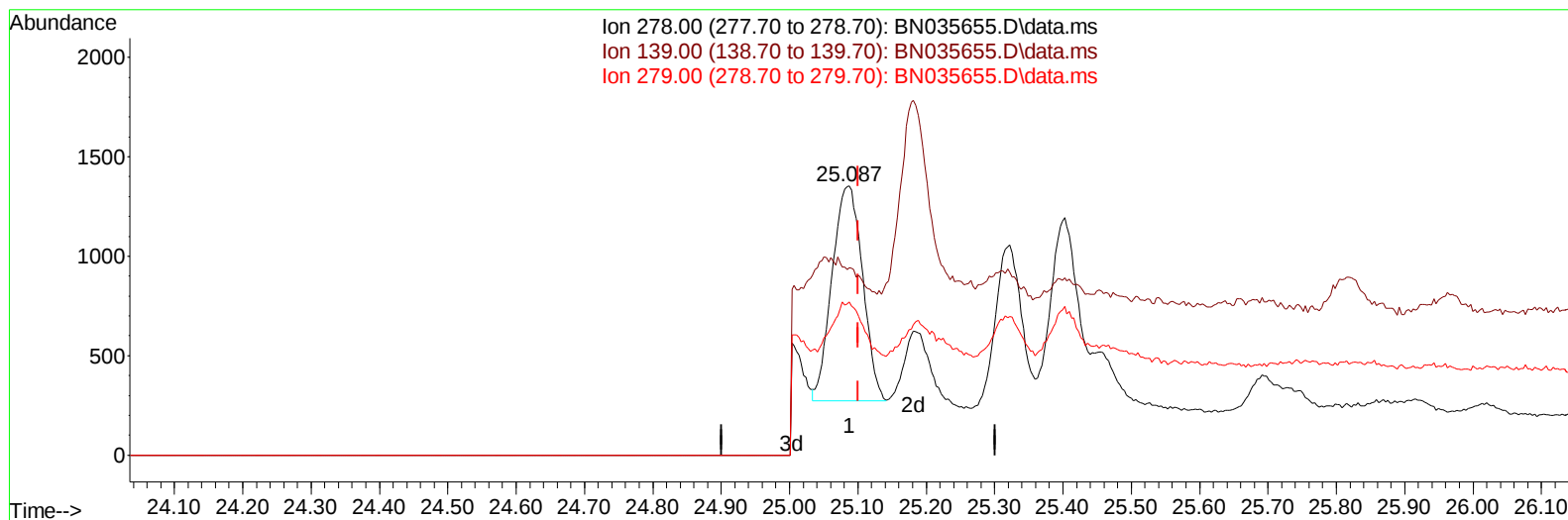
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 16:10:58 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: BN035655.D\data.ms

(28) Dibenzo(a,h)anthracene

25.087min (-0.014) 0.12 ng/ul m

response 3348

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	69.60#
279.00	30.00	56.95#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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 Operator : RC/JU
 Sample : P5232-02DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28R6DL

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 12/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2885	0.400	ng/ul	0.00
4) Naphthalene-d8	10.025	136	8492	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5741	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12007	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	9915	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	10781m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	2198	0.859	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	706	0.058	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	1583	0.055	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.075	128	3238m	0.155	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1872	0.133	ng/ul	100
8) 1-Methylnaphthalene	11.934	142	817	0.056	ng/ul	98
10) Acenaphthylene	13.657	152	941	0.042	ng/ul#	76
15) Phenanthrene	16.755	178	7696	0.256	ng/ul	99
16) Anthracene	16.844	178	2148	0.076	ng/ul#	86
19) Fluoranthene	18.795	202	13977	0.394	ng/ul	99
20) Pyrene	19.162	202	14783	0.378	ng/ul	99
21) Benzo(a)anthracene	20.944	228	10169	0.309	ng/ul#	90
22) Chrysene	20.996	228	14344	0.420	ng/ul#	93
24) Benzo(b)fluoranthene	22.439	252	23110m	0.727	ng/ul	
25) Benzo(k)fluoranthene	22.477	252	9526m	0.271	ng/ul	
26) Benzo(a)pyrene	22.957	252	17452	0.567	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.074	276	14115m	0.377	ng/ul	
28) Dibenzo(a,h)anthracene	25.087	278	3348m	0.117	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	17921	0.596	ng/ul	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035655.D
Acq On : 17 Dec 2024 15:24
Operator : RC/JU
Sample : P5232-02DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R6DL

Manual IntegrationsAPPROVED

Quant Time: Dec 17 16:10:58 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

