

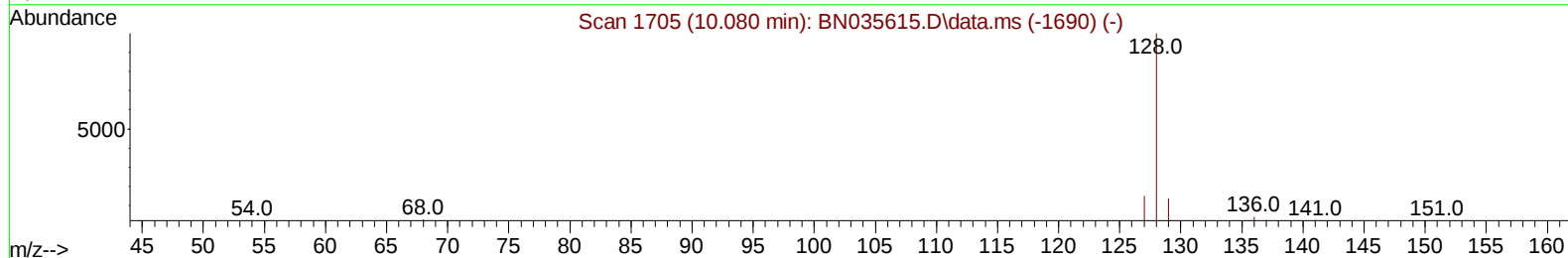
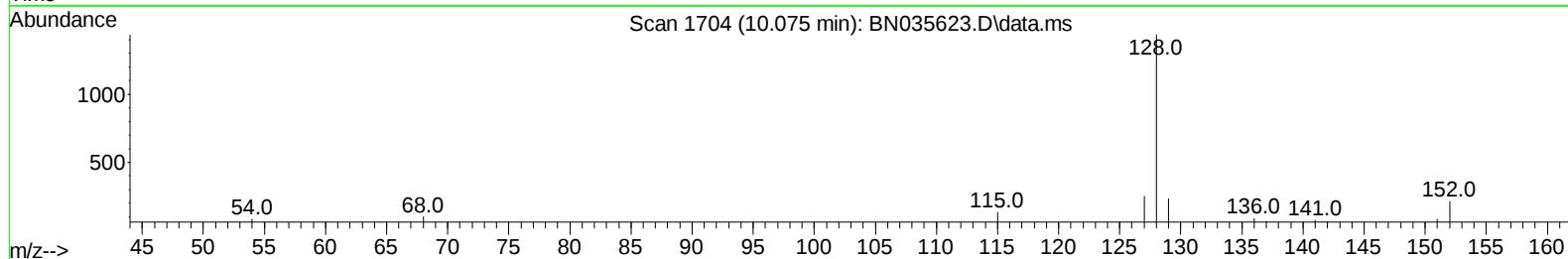
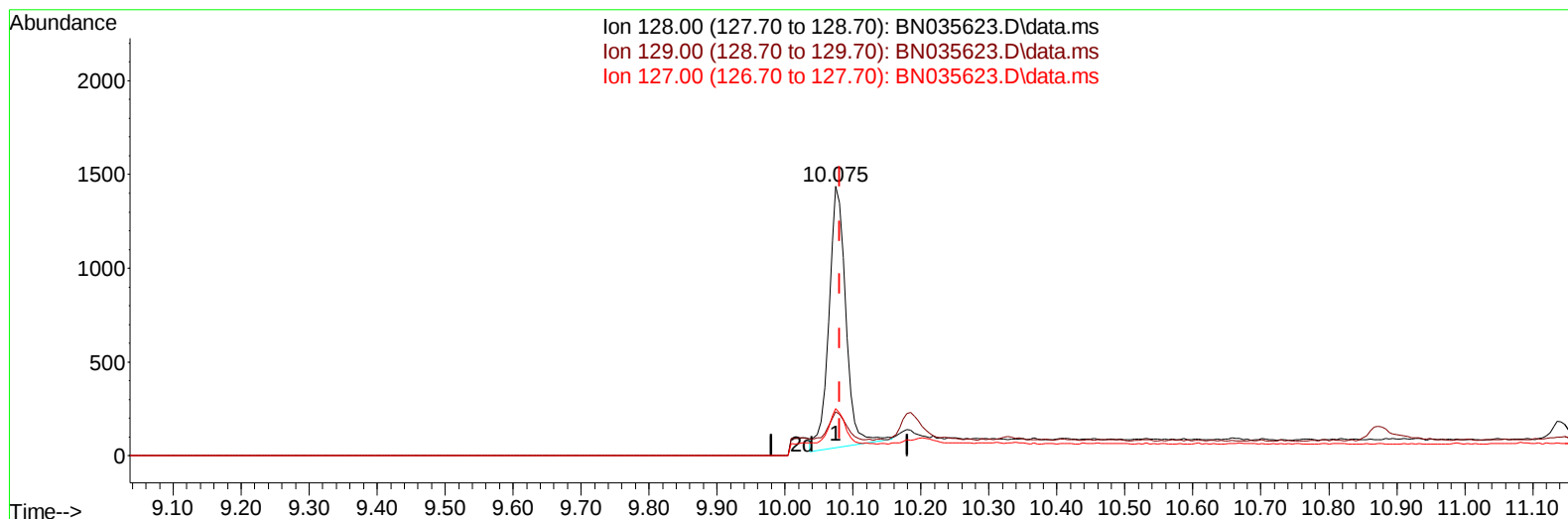
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

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

Quant Time: Dec 16 21:56:20 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: BN035623.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.15 ng/u1

response 2431

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	16.30#
127.00	15.00	17.48
0.00	0.00	0.00

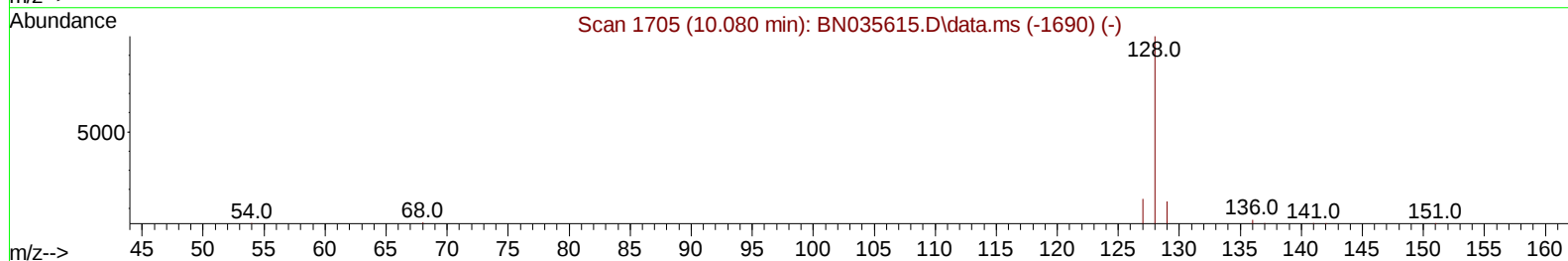
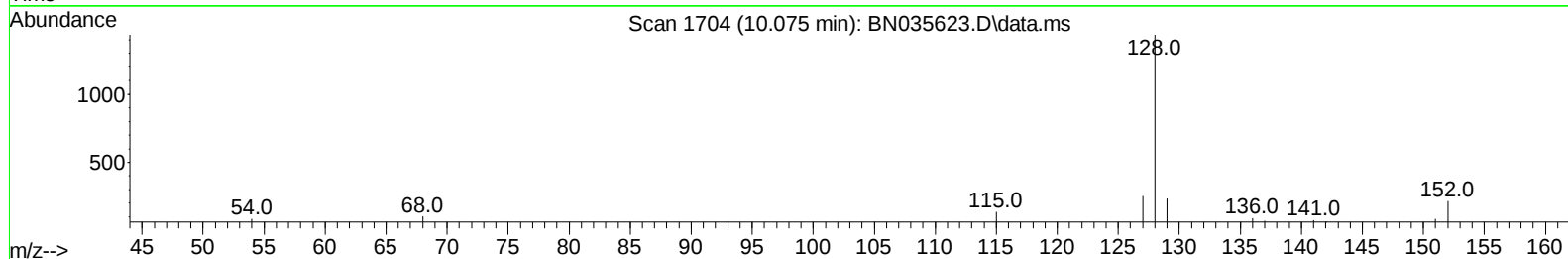
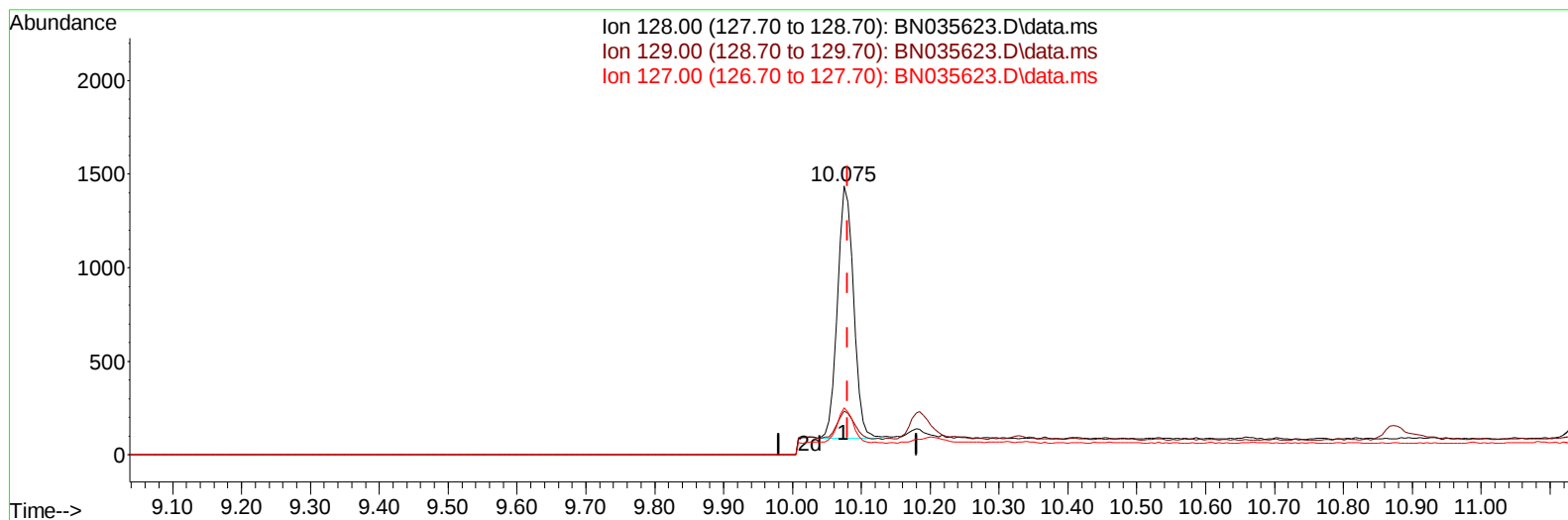
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
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TIC: BN035623.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.13 ng/u1 m

response 2181

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	16.30#
127.00	15.00	17.48
0.00	0.00	0.00

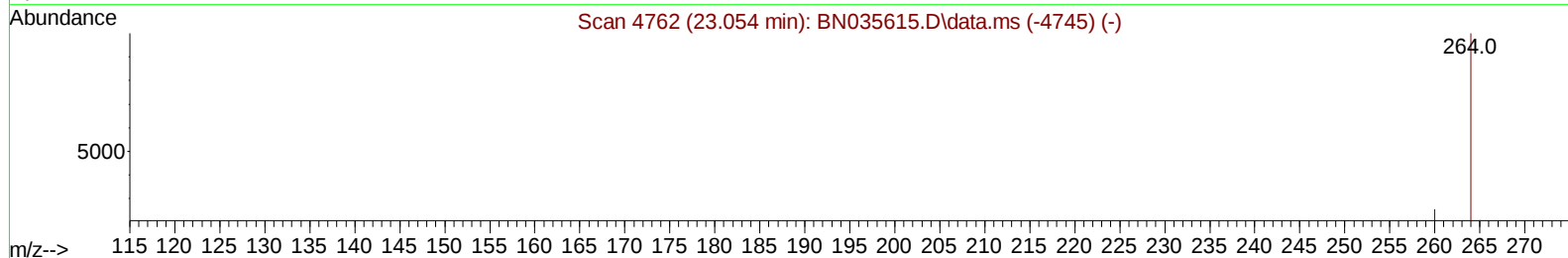
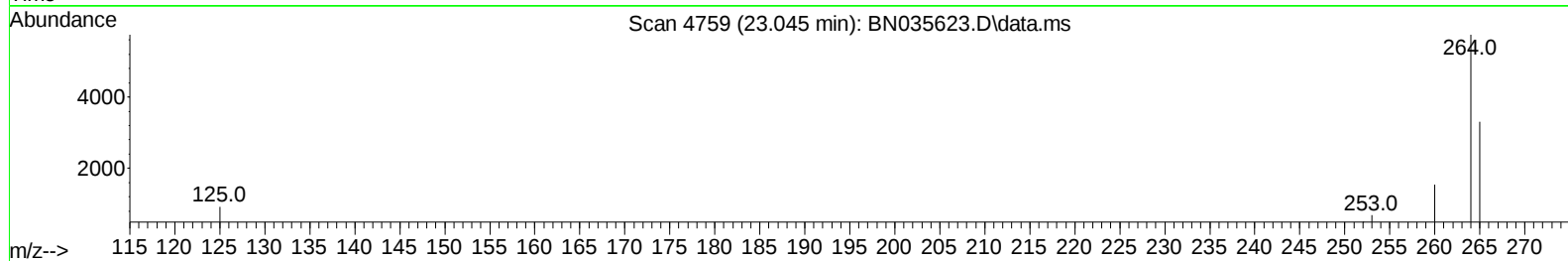
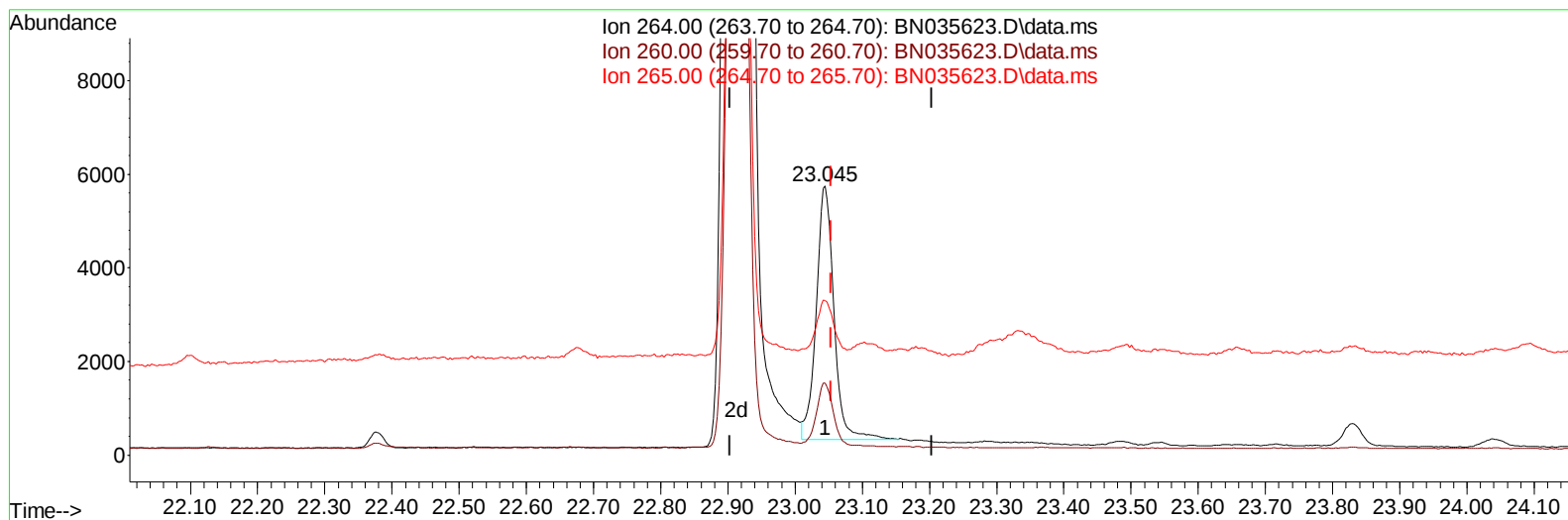
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035623.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/u1

response 9892

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.77
265.00	62.10	57.45
0.00	0.00	0.00

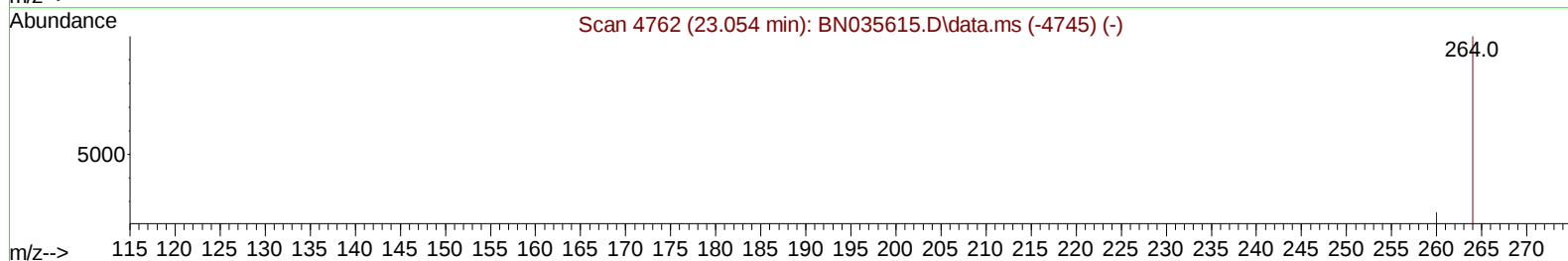
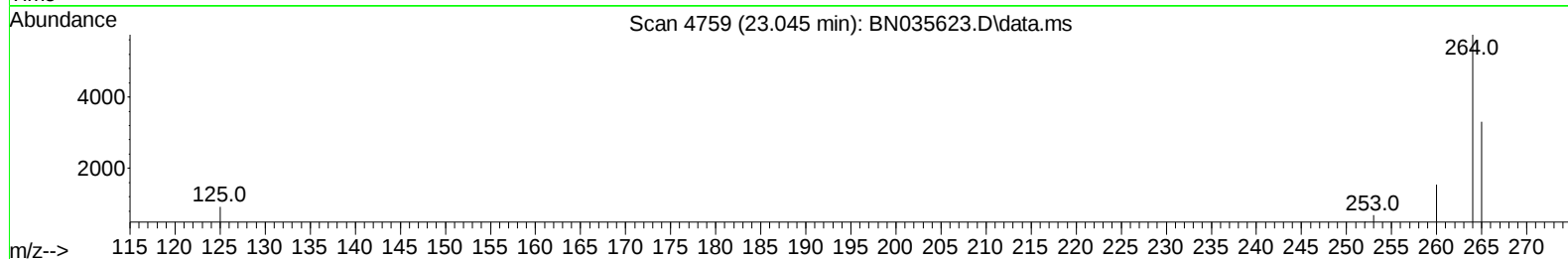
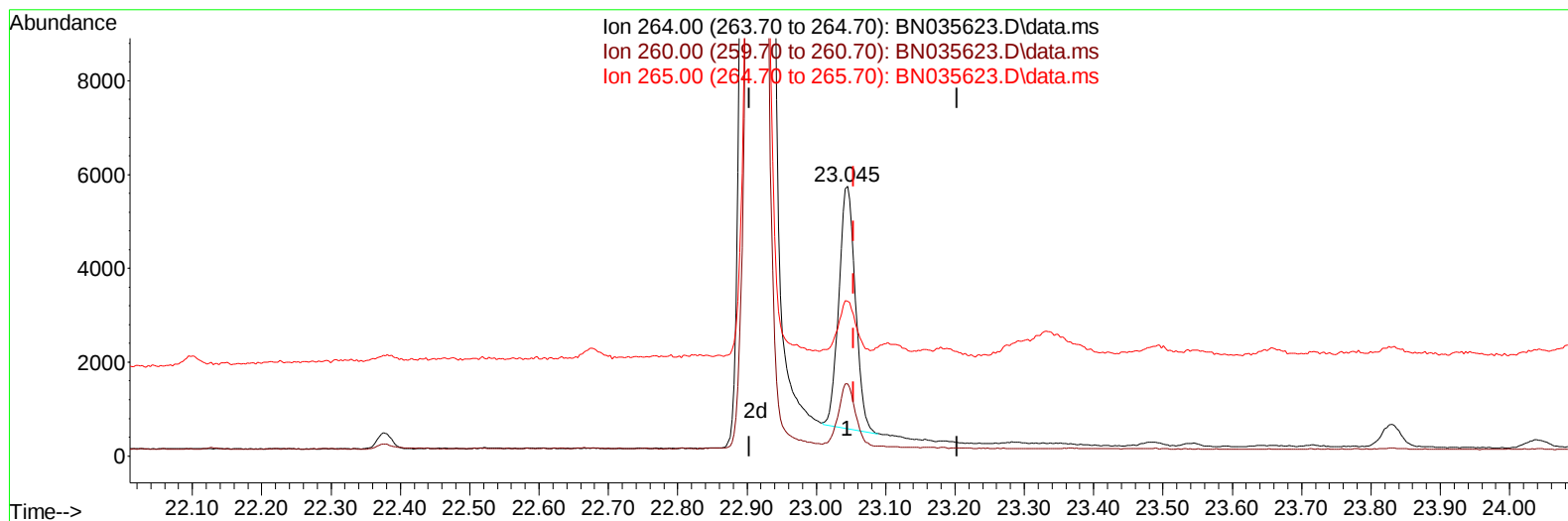
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:20 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035623.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/ul m

response 8496

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.77
265.00	62.10	57.45
0.00	0.00	0.00

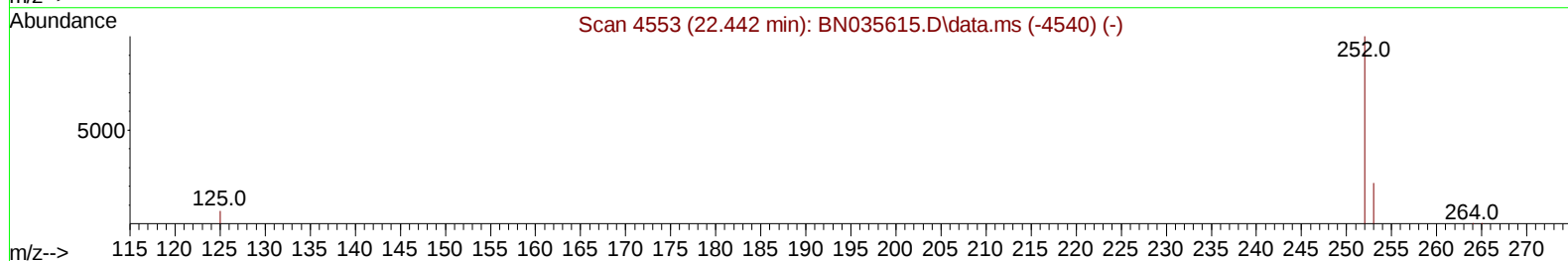
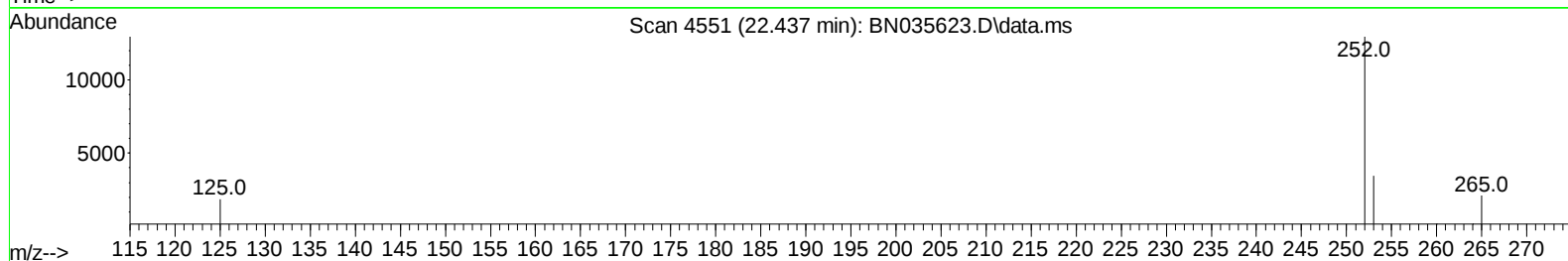
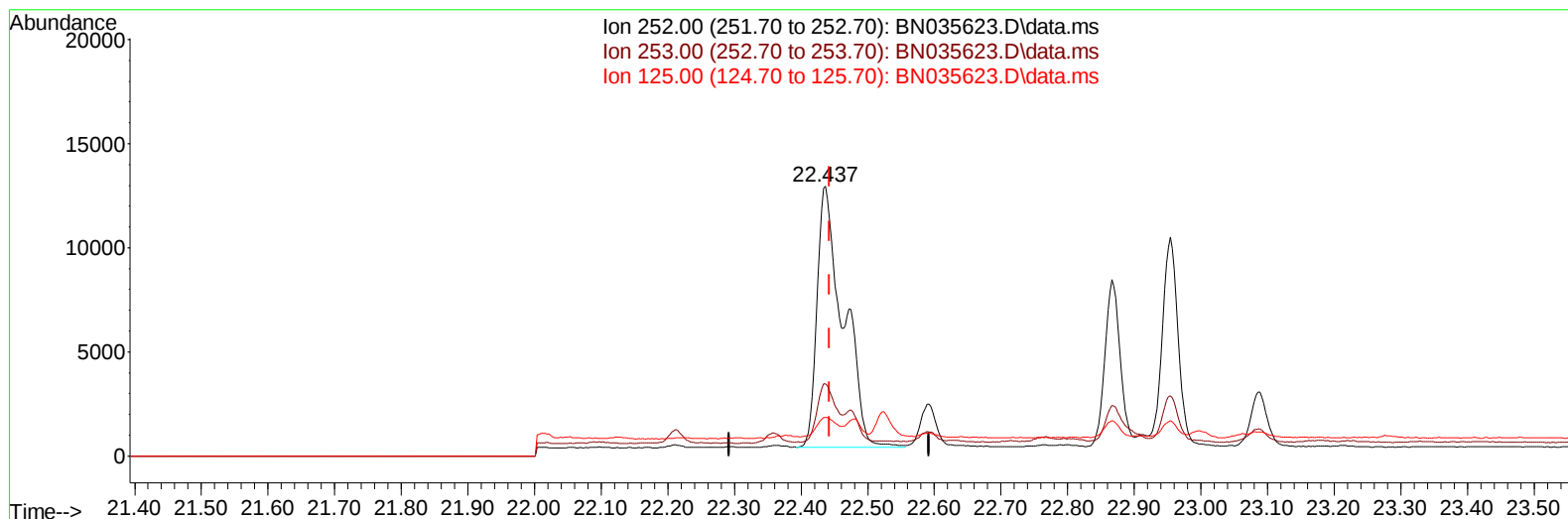
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 1.37 ng/u1

response 34422

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.72
125.00	18.80	14.30
0.00	0.00	0.00

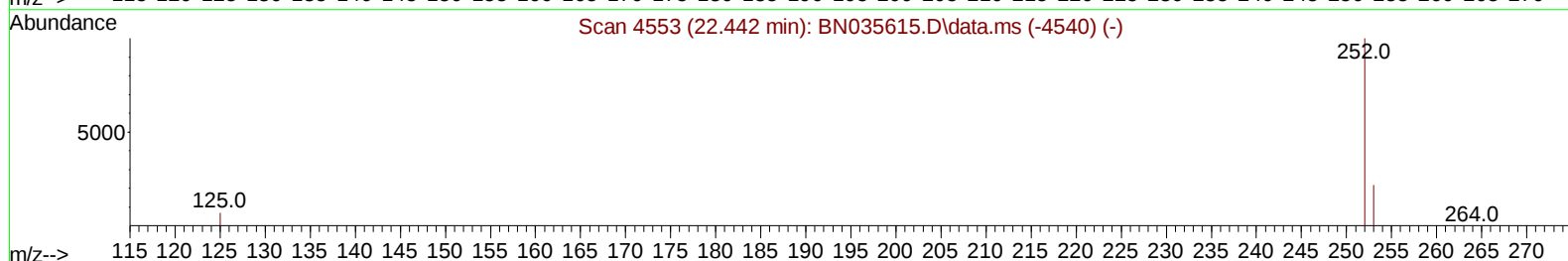
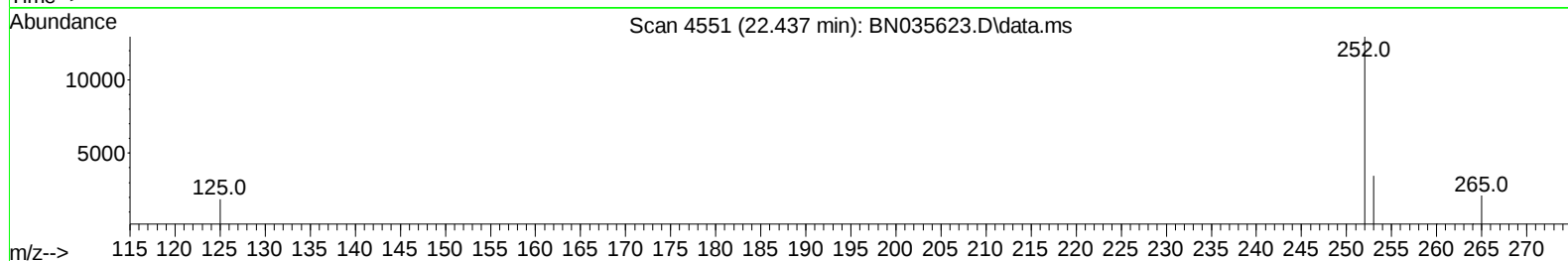
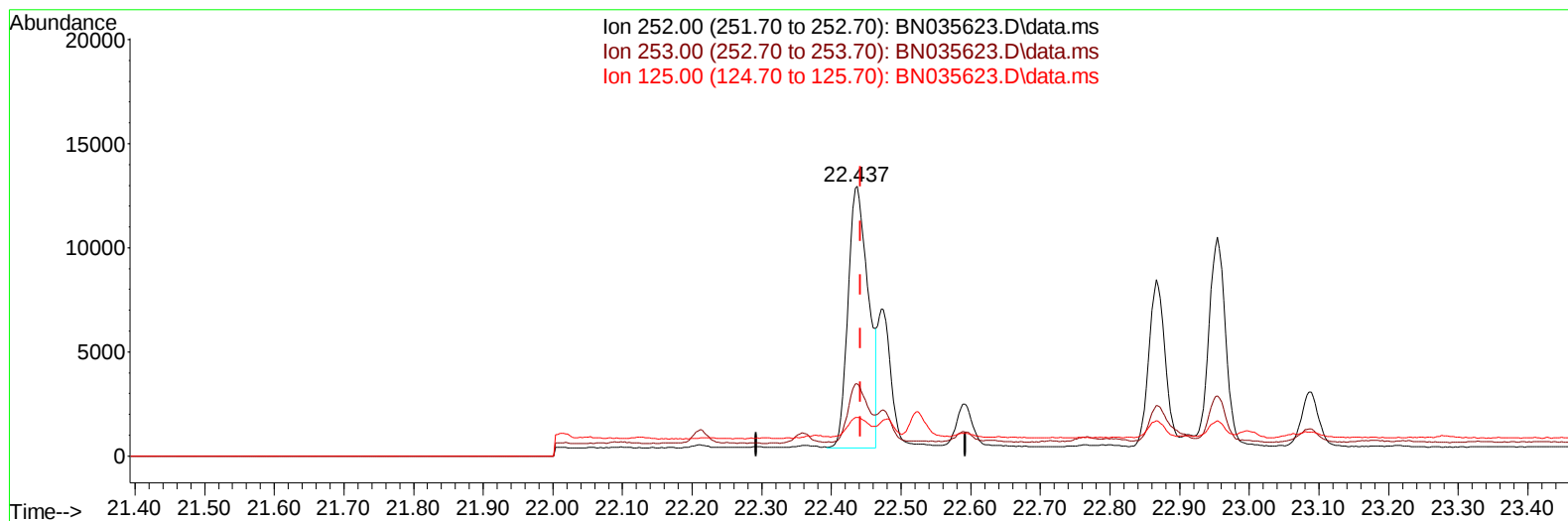
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Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

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

Quant Time: Dec 16 21:56:20 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: BN035623.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 1.01 ng/u1 m

response 25343

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	26.72
125.00	18.80	14.30
0.00	0.00	0.00

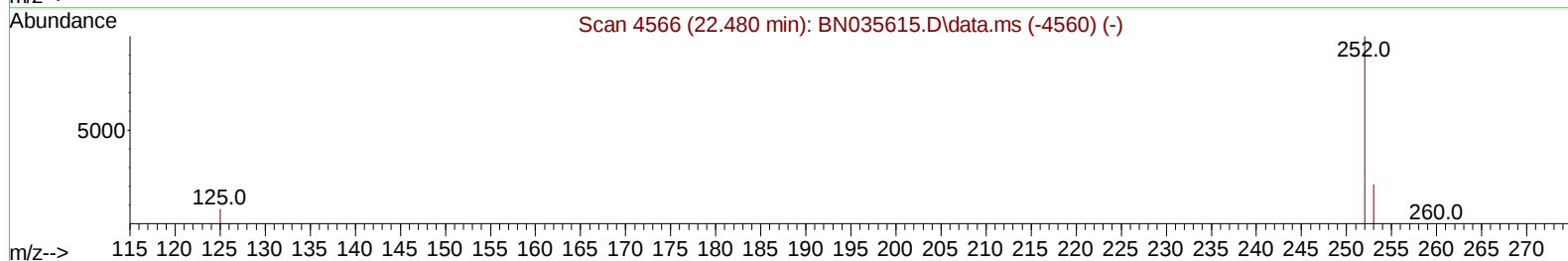
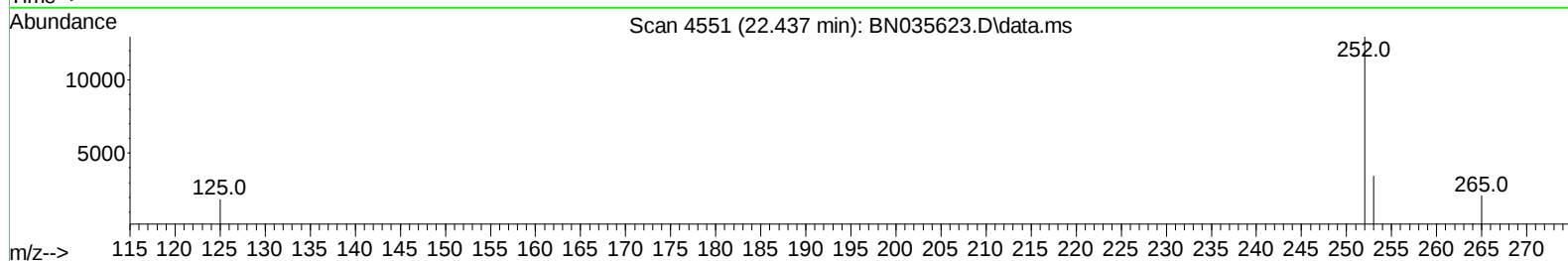
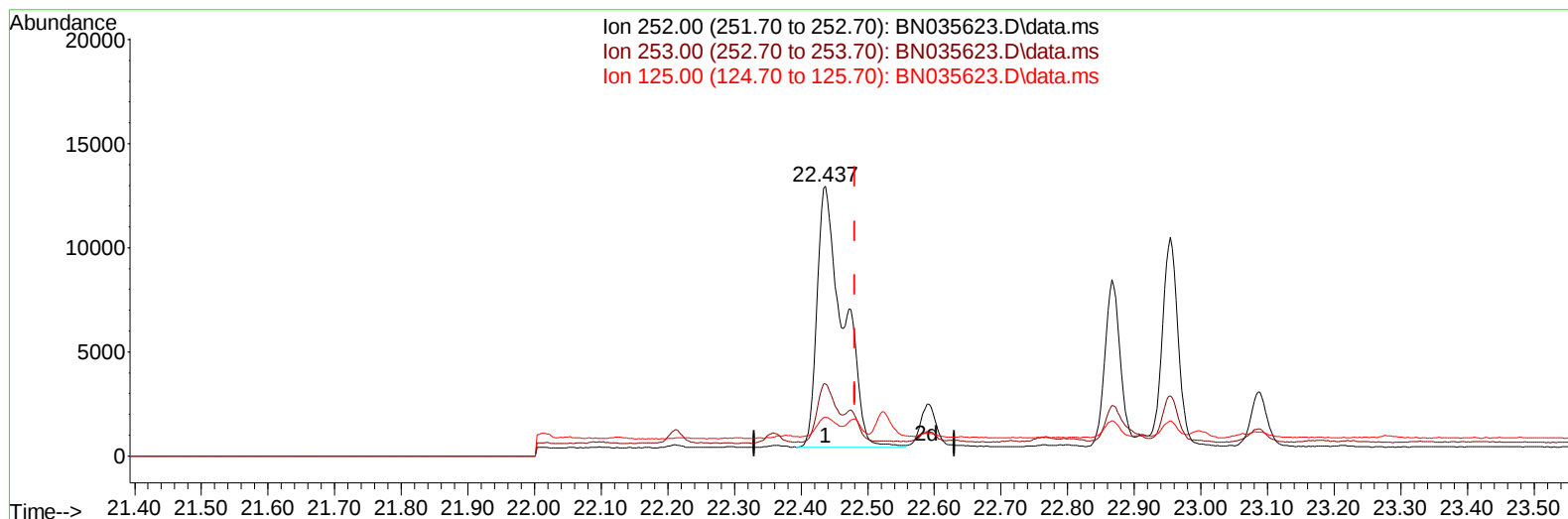
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:20 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: BN035623.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 1.24 ng/u1

response 34422

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	26.72
125.00	19.10	14.30#
0.00	0.00	0.00

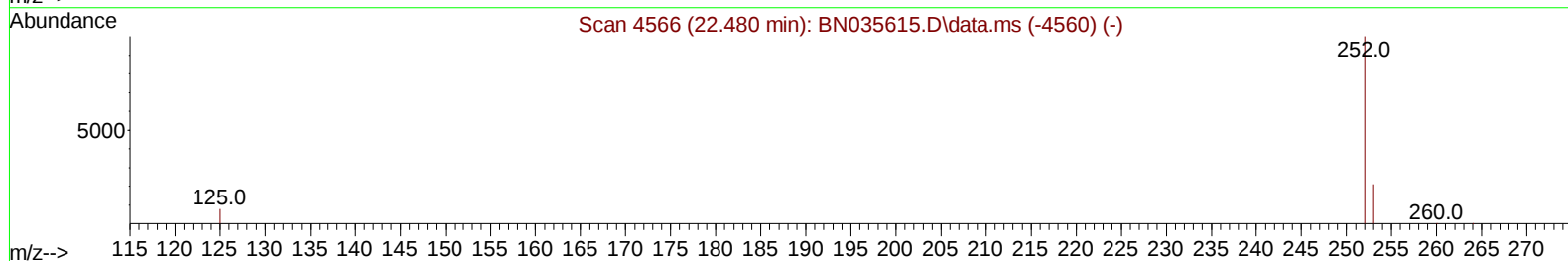
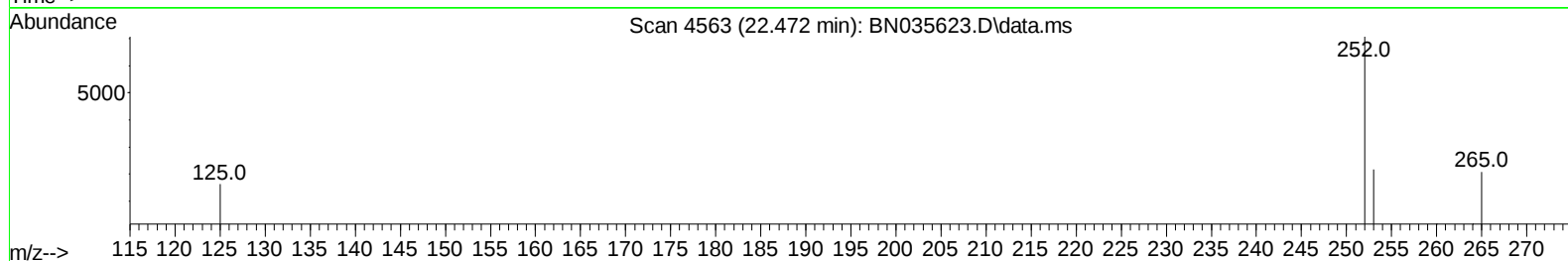
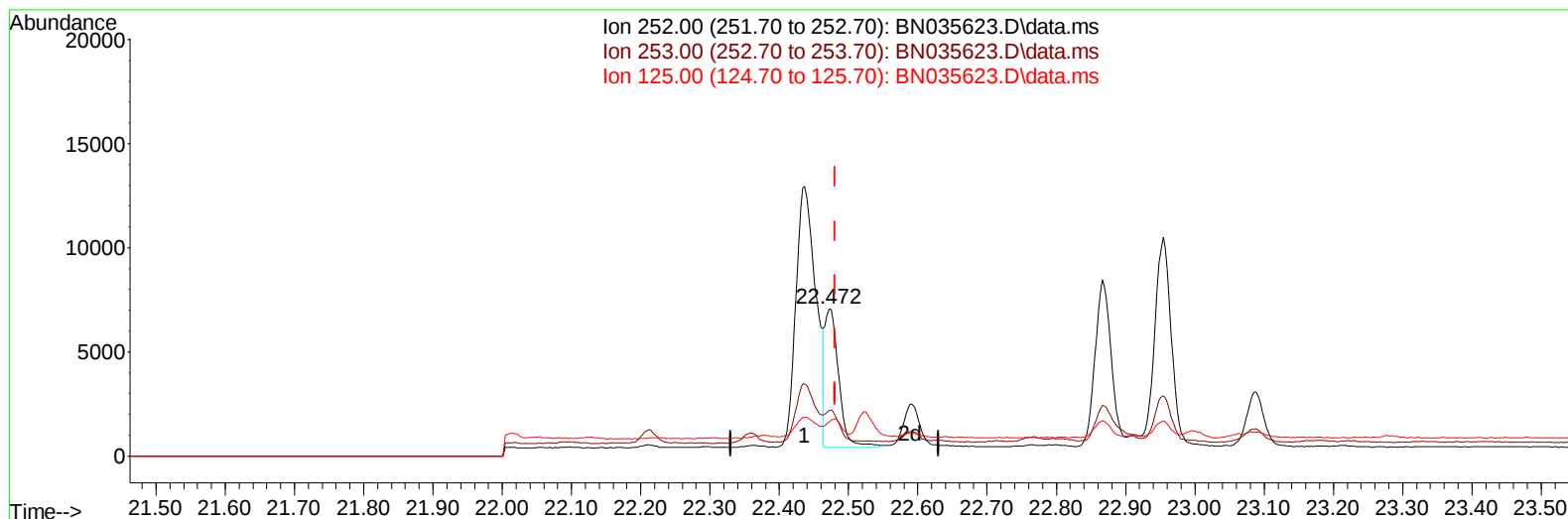
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Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

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

Quant Time: Dec 16 21:56:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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TIC: BN035623.D\data.ms

(25) Benzo(k)fluoranthene

22.472min (-0.009) 0.33 ng/u1 m

response 9196

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	30.80
125.00	19.10	22.96#
0.00	0.00	0.00

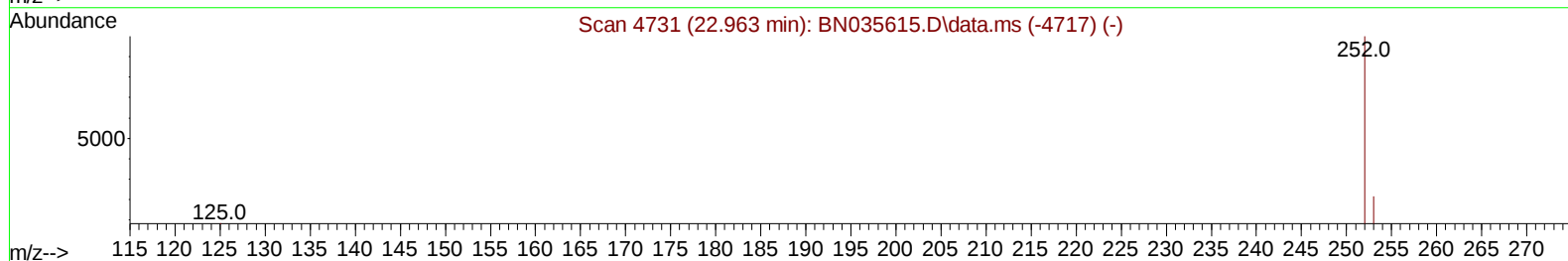
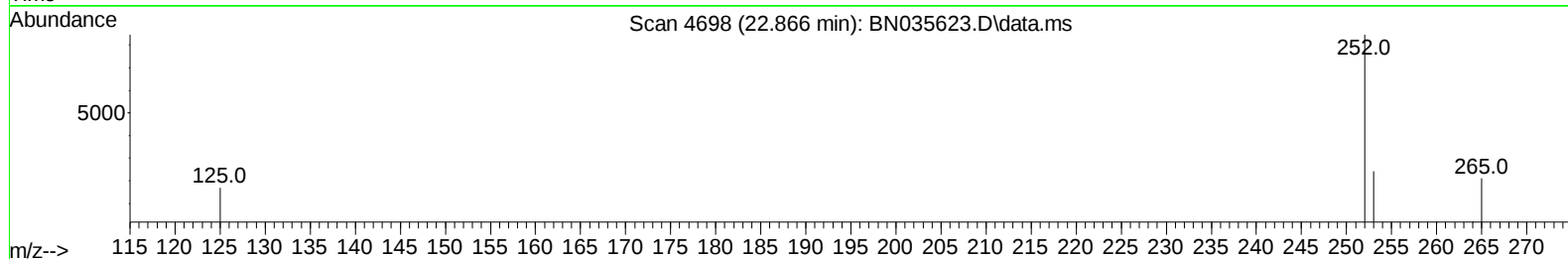
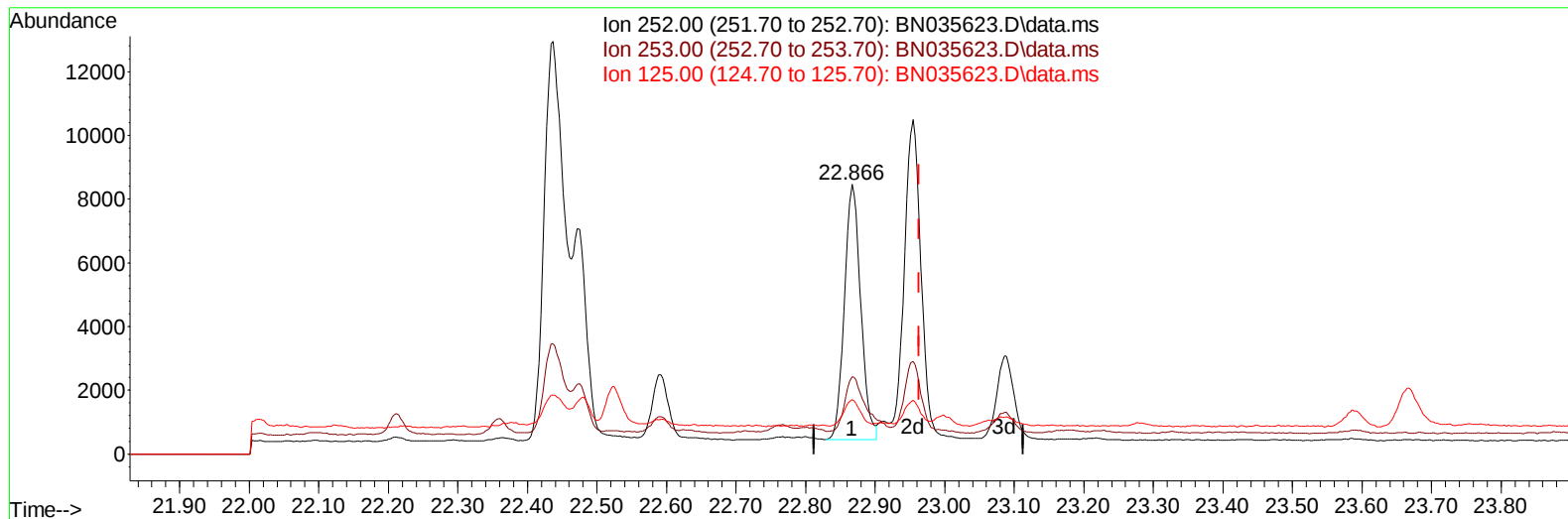
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

(26) Benzo(a)pyrene (C)

22.866min (-0.096) 0.54 ng/u1

response 13069

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	28.67
125.00	23.90	20.10
0.00	0.00	0.00

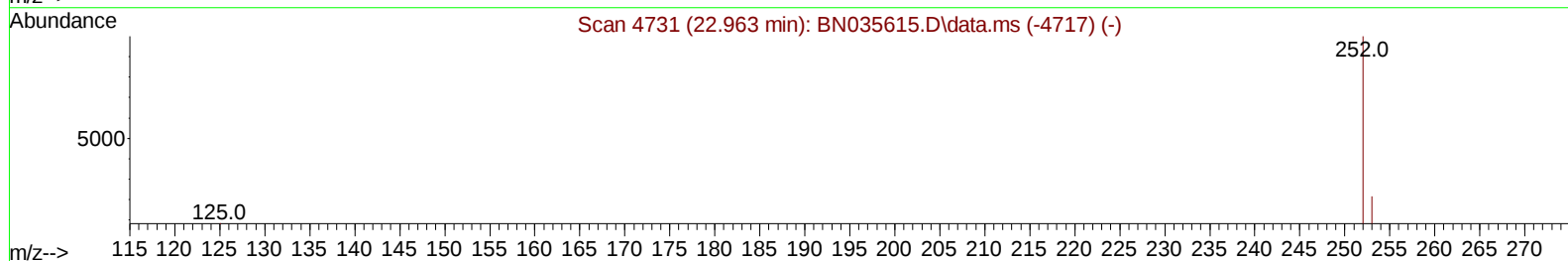
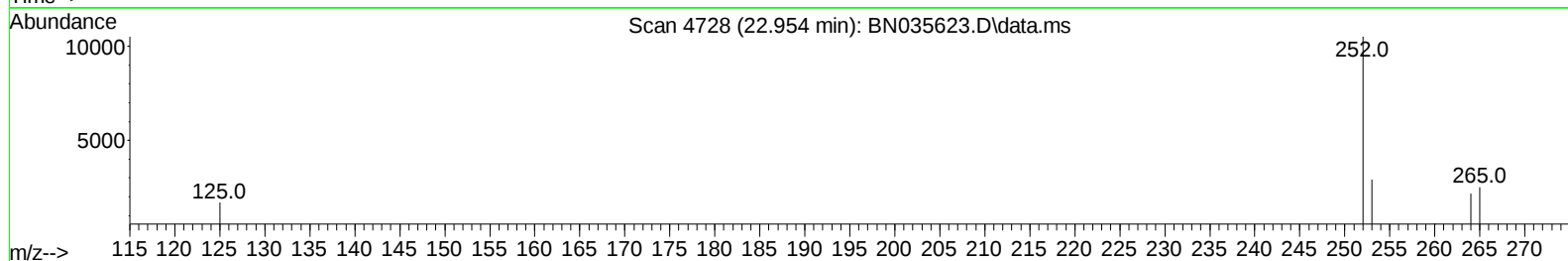
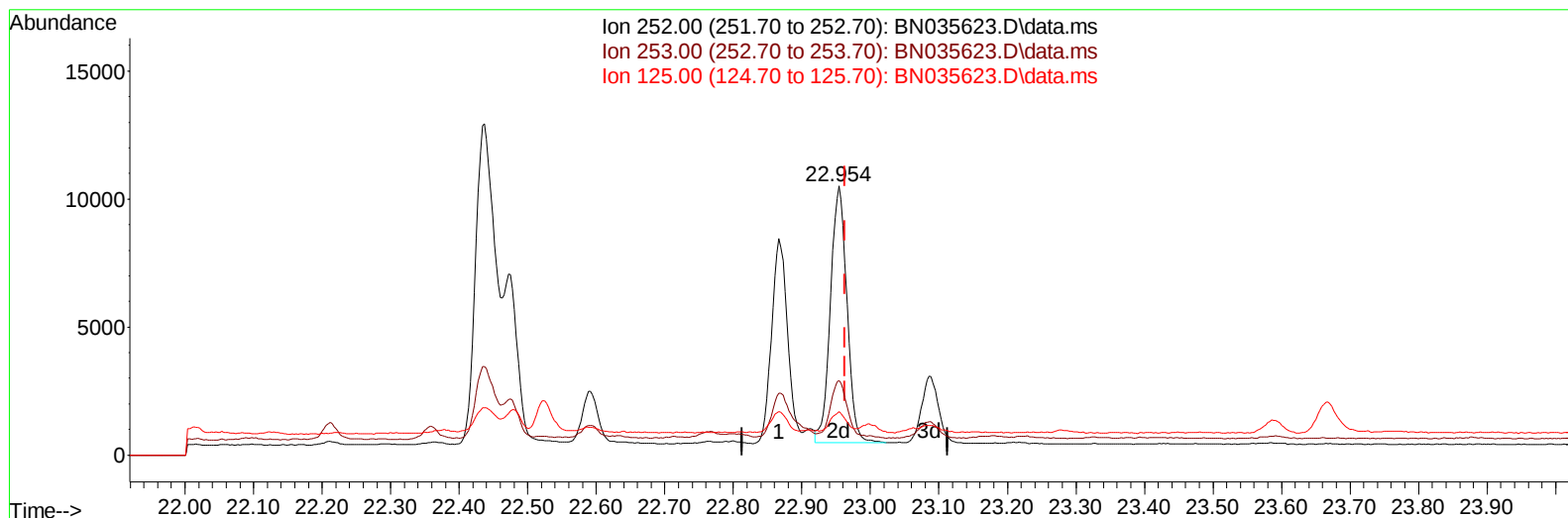
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Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

(26) Benzo(a)pyrene (C)

22.954min (-0.009) 0.69 ng/u1 m

response 16769

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	27.63
125.00	23.90	16.08#
0.00	0.00	0.00

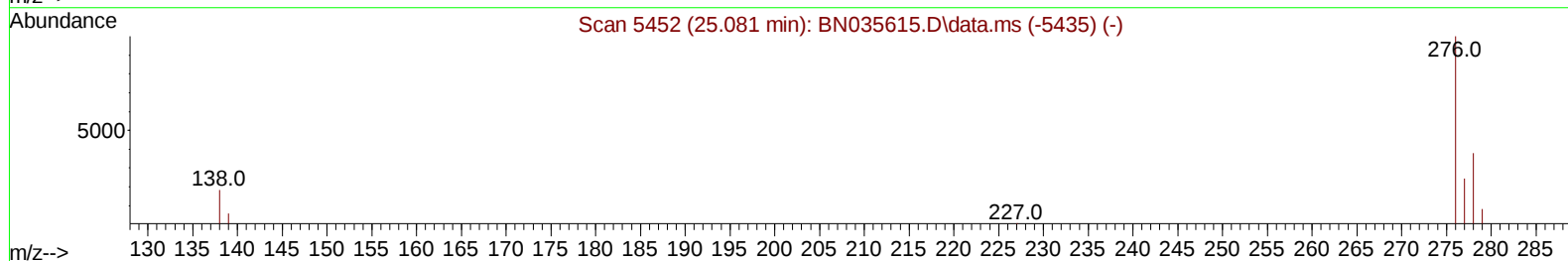
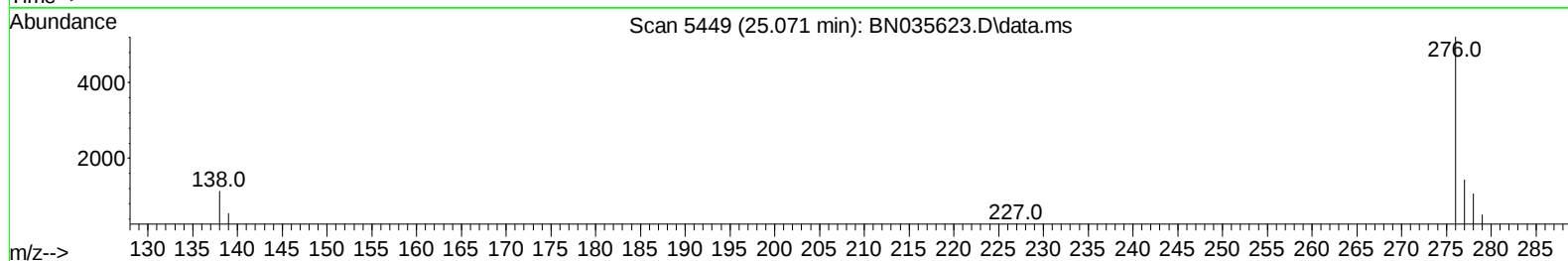
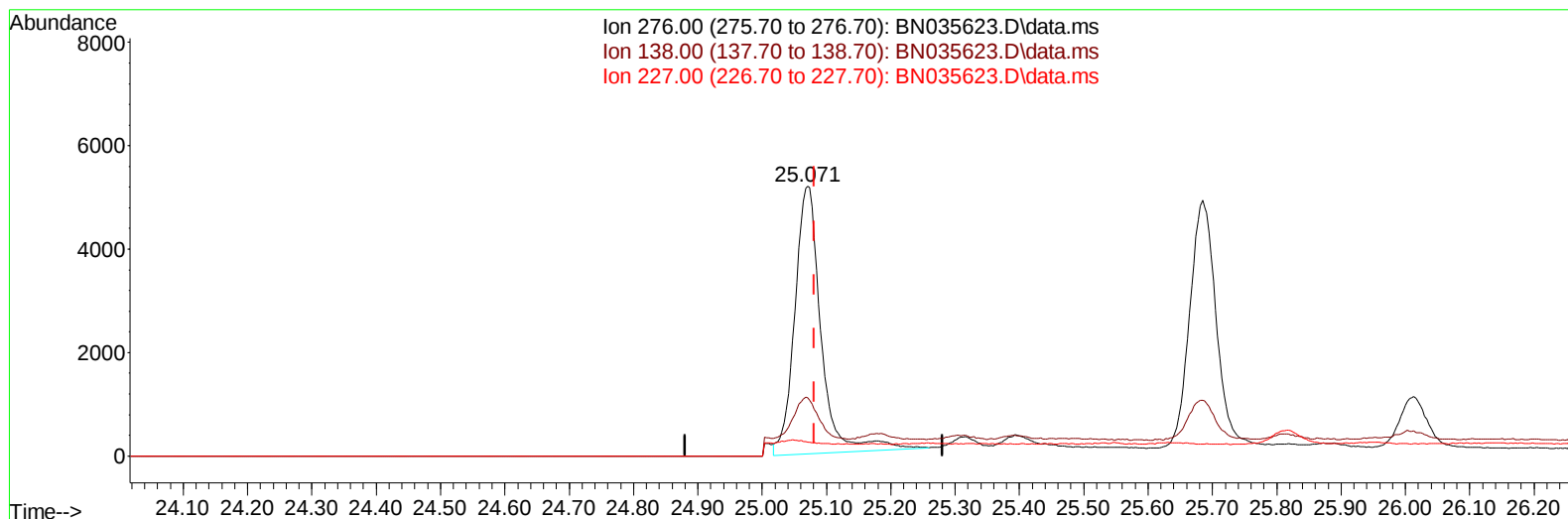
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Data File : BN035623.D
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Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

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

25.071min (-0.010) 0.50 ng/u1

response 14693

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	17.19
227.00	27.00	0.00#
0.00	0.00	0.00

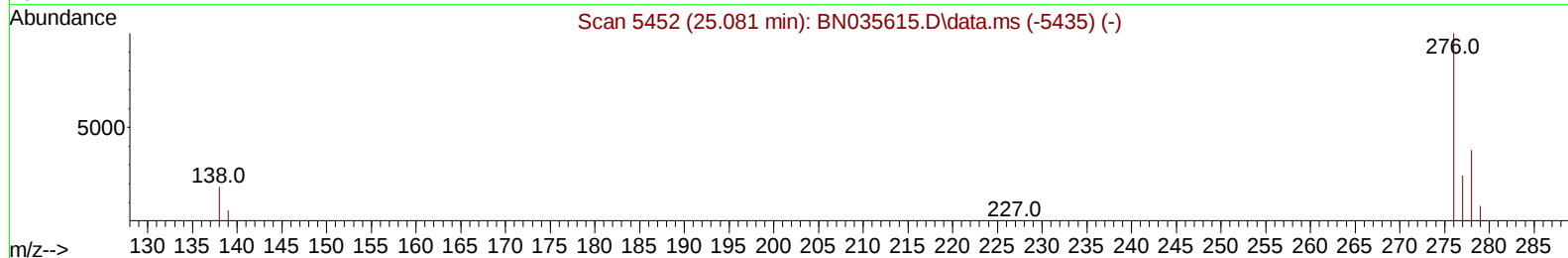
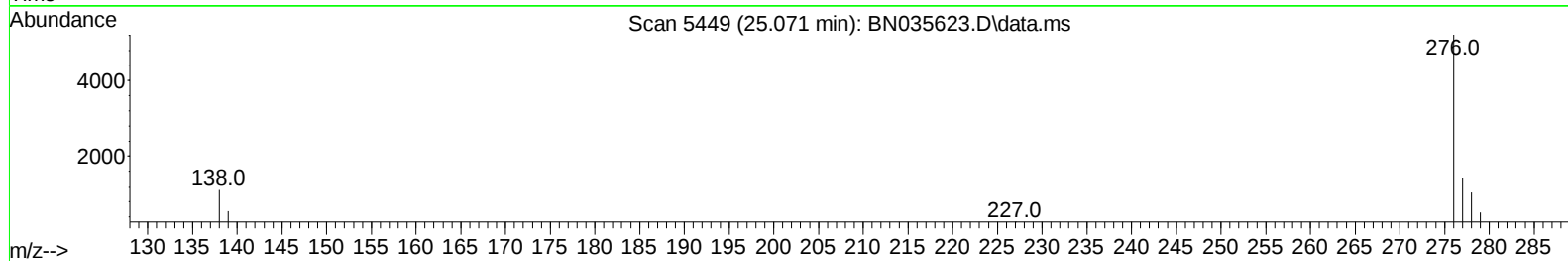
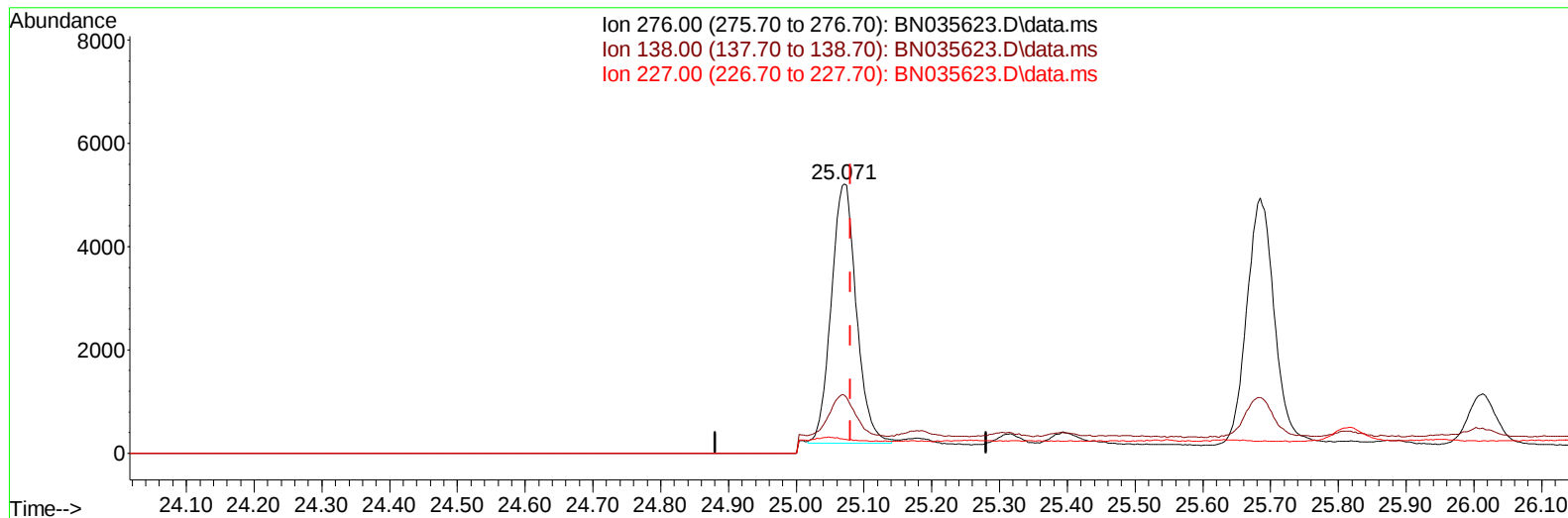
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
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Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

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

25.071min (-0.010) 0.44 ng/ul m

response 12908

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	19.57
227.00	27.00	0.00#
0.00	0.00	0.00

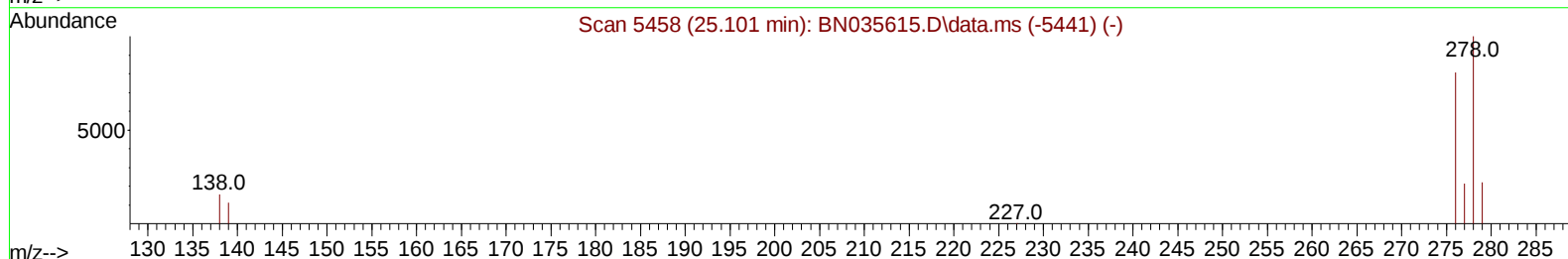
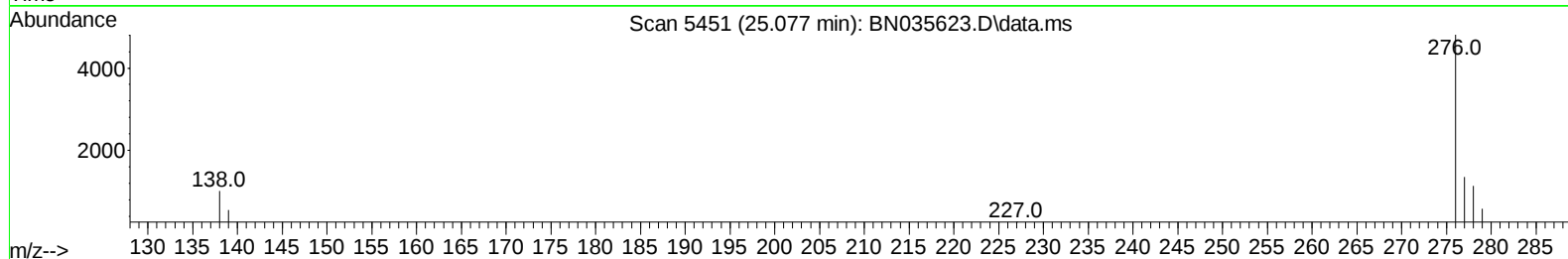
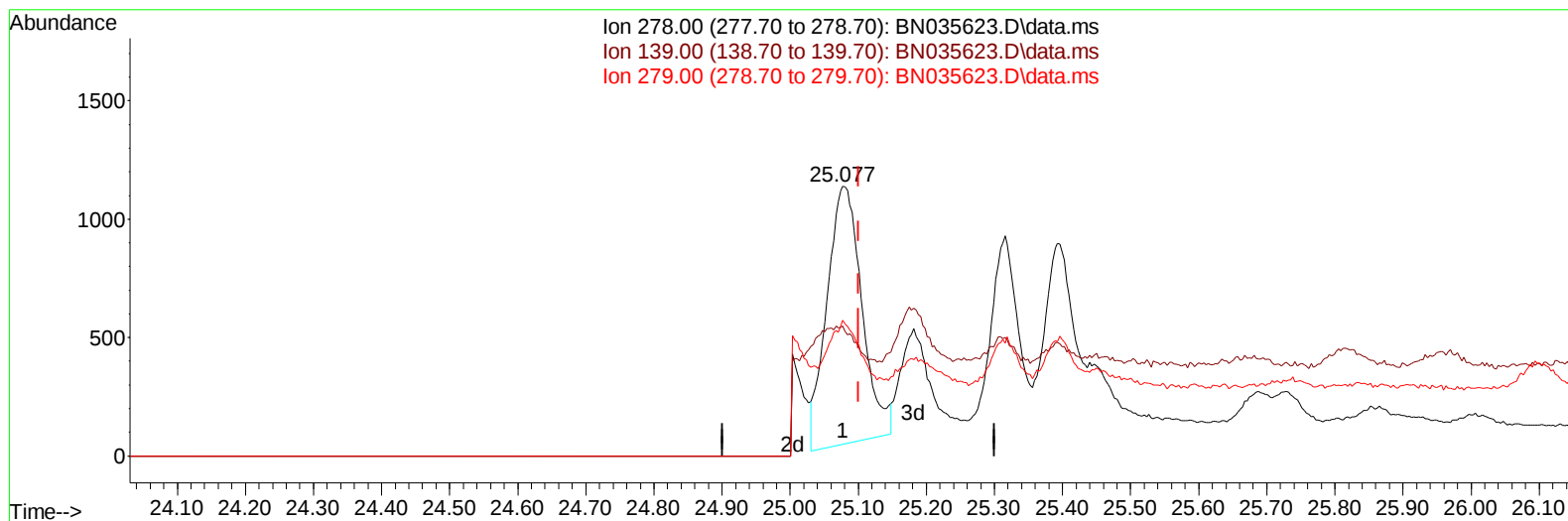
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035623.D\data.ms

(28) Dibenzo(a,h)anthracene

25.077min (-0.023) 0.17 ng/u1

response 3887

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	48.24#
279.00	30.00	50.44#
0.00	0.00	0.00

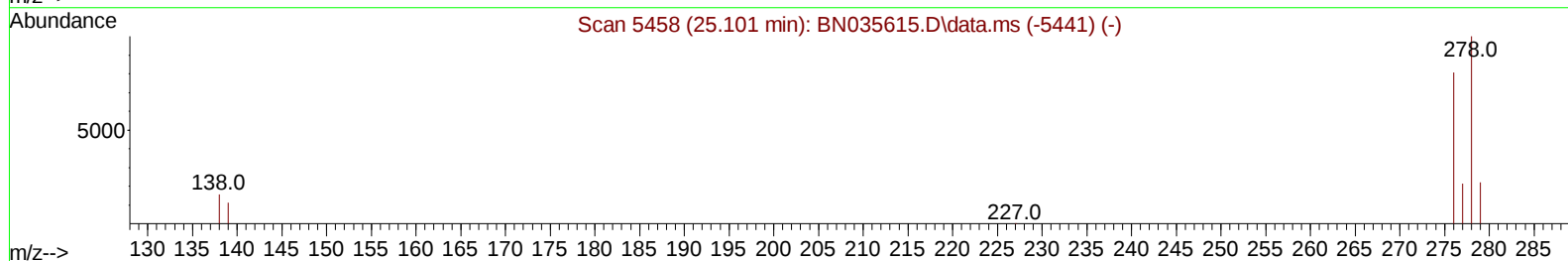
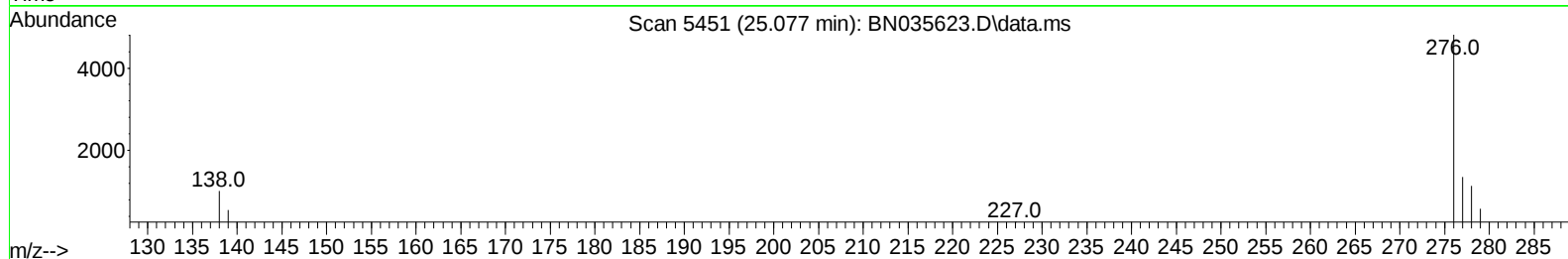
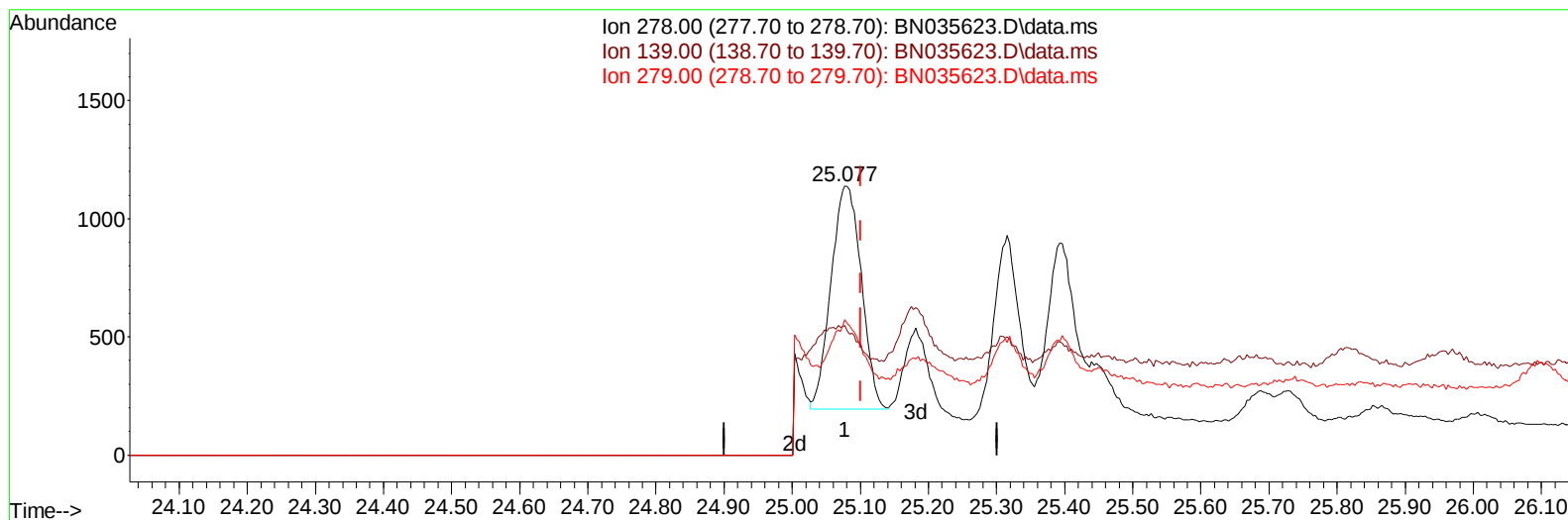
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035623.D
Acq On : 16 Dec 2024 18:49
Operator : RC/JU
Sample : P5232-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S3

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:20 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: BN035623.D\data.ms

(28) Dibenzo(a,h)anthracene

25.077min (-0.023) 0.13 ng/ul m

response 2924

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	48.24#
279.00	30.00	50.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035623.D
 Acq On : 16 Dec 2024 18:49
 Operator : RC/JU
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2274	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	6823	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	4792	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	10402	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	8287	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	8496m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.951	96	5247	2.602	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	1422	0.146	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	3391	0.140	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.075	128	2181m	0.130	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1777	0.158	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	1355	0.116	ng/ul	99
10) Acenaphthylene	13.657	152	1535	0.083	ng/ul#	87
11) Acenaphthene	14.009	153	397	0.028	ng/ul#	91
12) Fluorene	15.013	166	410	0.025	ng/ul#	80
14) Pentachlorophenol	16.384	266	60	0.023	ng/ul#	85
15) Phenanthrene	16.755	178	12212	0.469	ng/ul	100
16) Anthracene	16.844	178	2713	0.111	ng/ul#	91
19) Fluoranthene	18.795	202	33188	1.120	ng/ul	99
20) Pyrene	19.163	202	28772	0.881	ng/ul	98
21) Benzo(a)anthracene	20.941	228	14512	0.528	ng/ul	97
22) Chrysene	20.993	228	17417	0.611	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	25343m	1.012	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	9196m	0.332	ng/ul	
26) Benzo(a)pyrene	22.954	252	16769m	0.692	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.071	276	12908m	0.437	ng/ul	
28) Dibenzo(a,h)anthracene	25.077	278	2924m	0.130	ng/ul	
29) Benzo(g,h,i)perylene	25.685	276	14178	0.598	ng/ul	97

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

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