

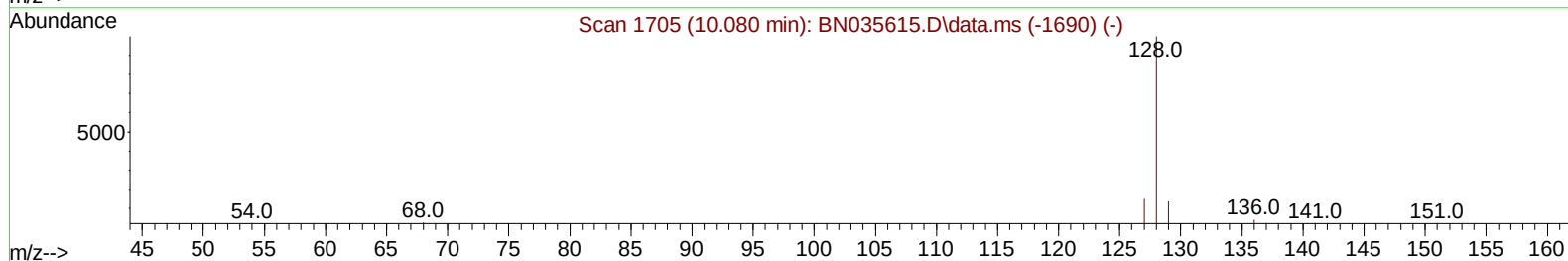
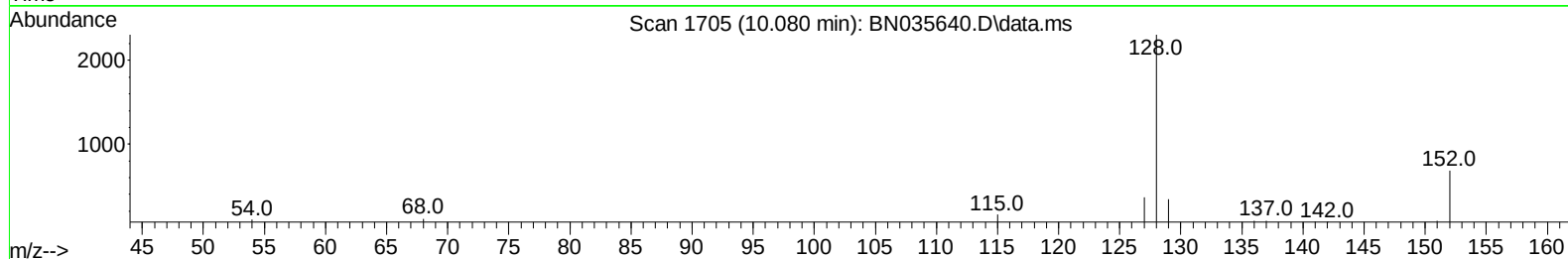
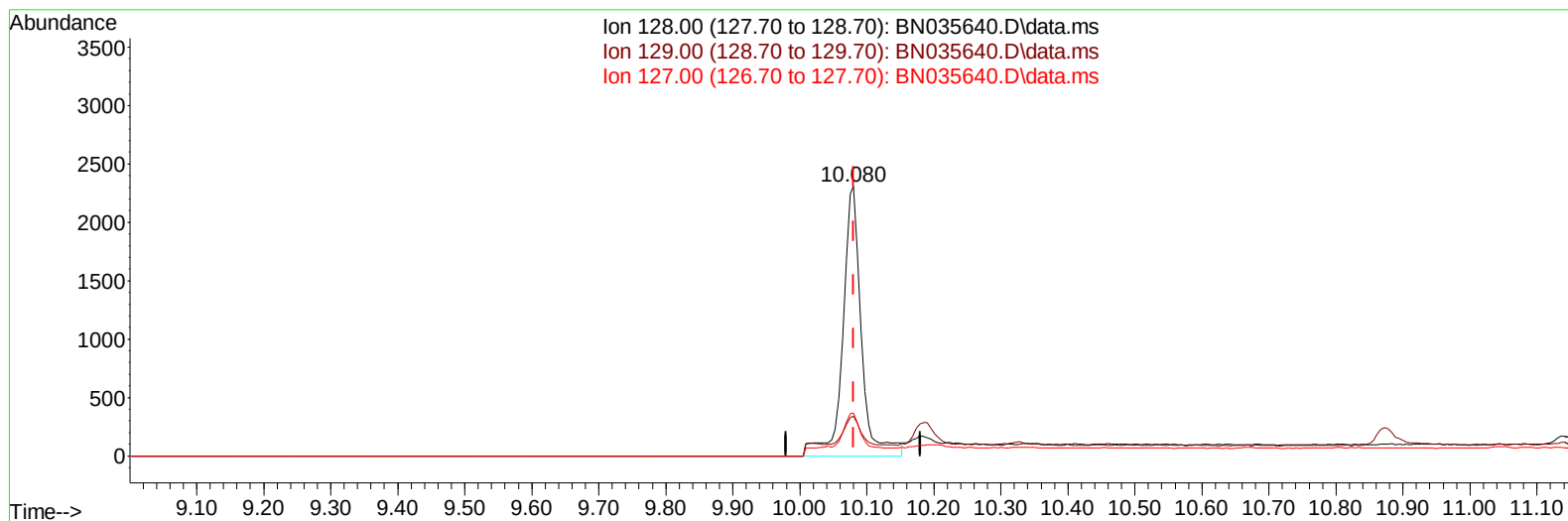
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 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: BN035640.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.21 ng/u1

response 4408

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.74
127.00	15.00	15.91
0.00	0.00	0.00

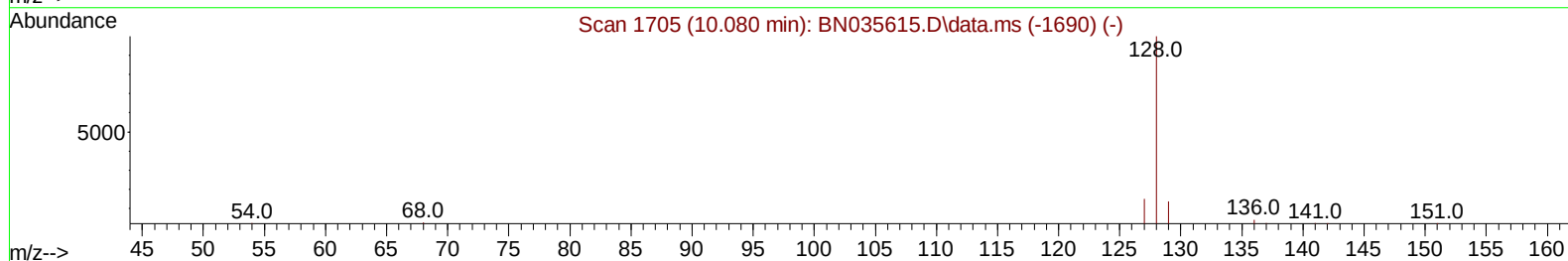
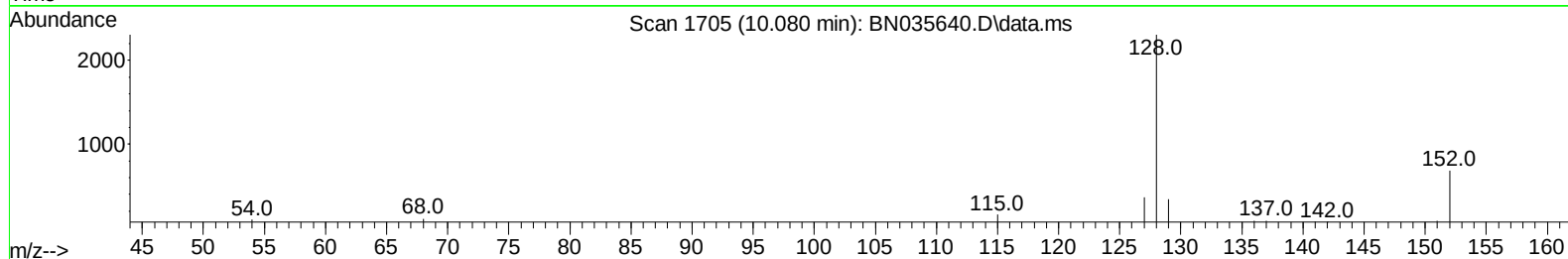
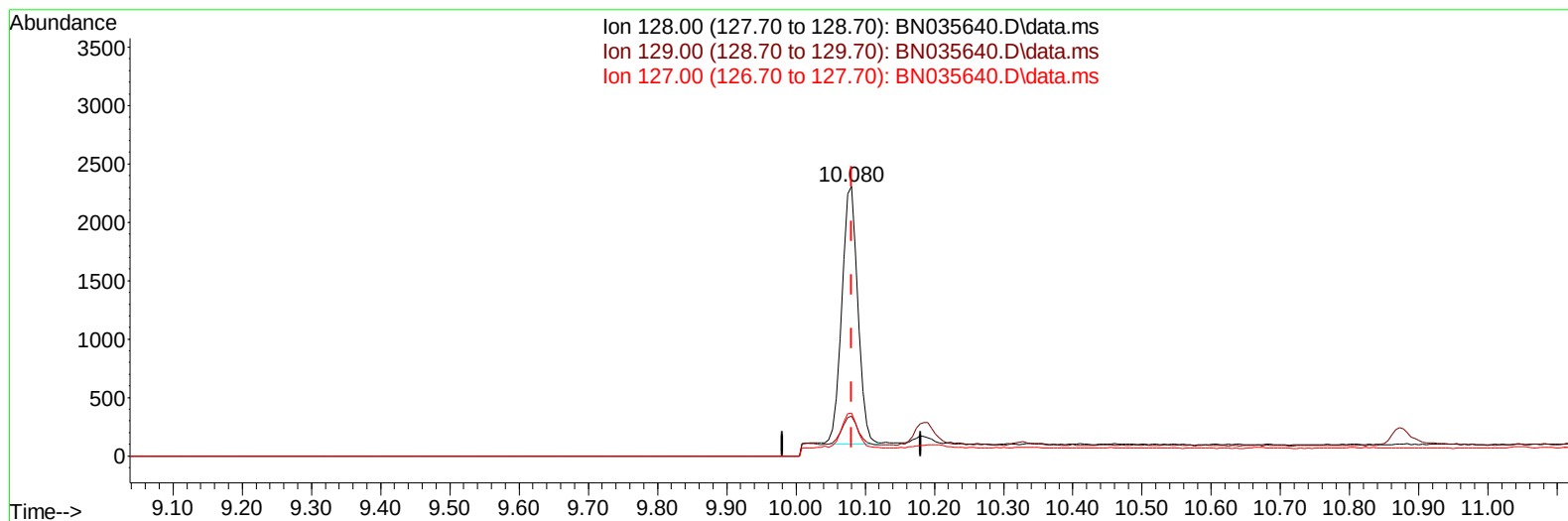
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
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Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BN035640.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.17 ng/ul m

response 3544

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	14.74
127.00	15.00	15.91
0.00	0.00	0.00

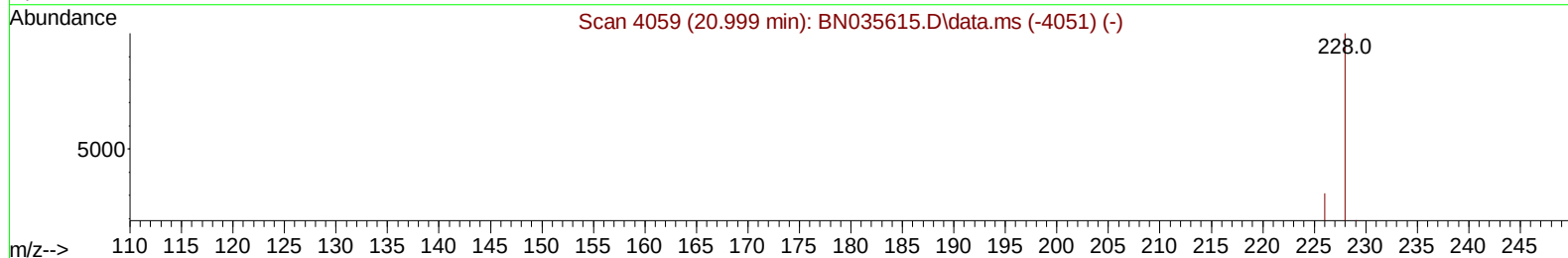
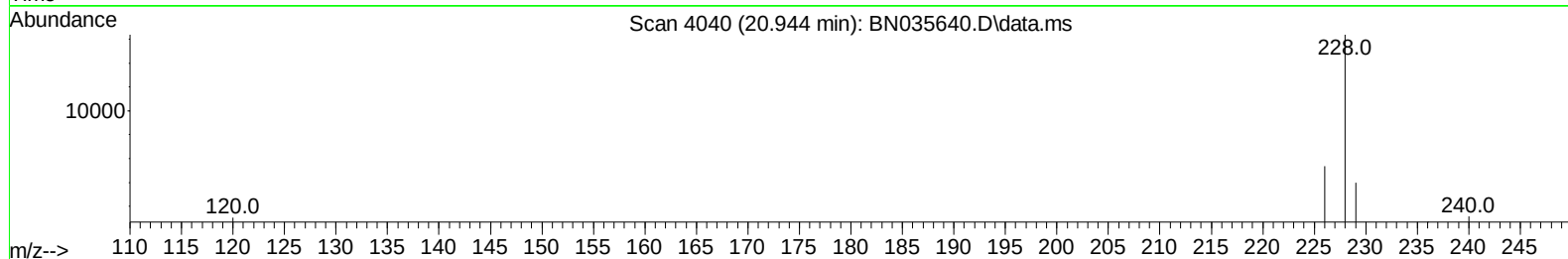
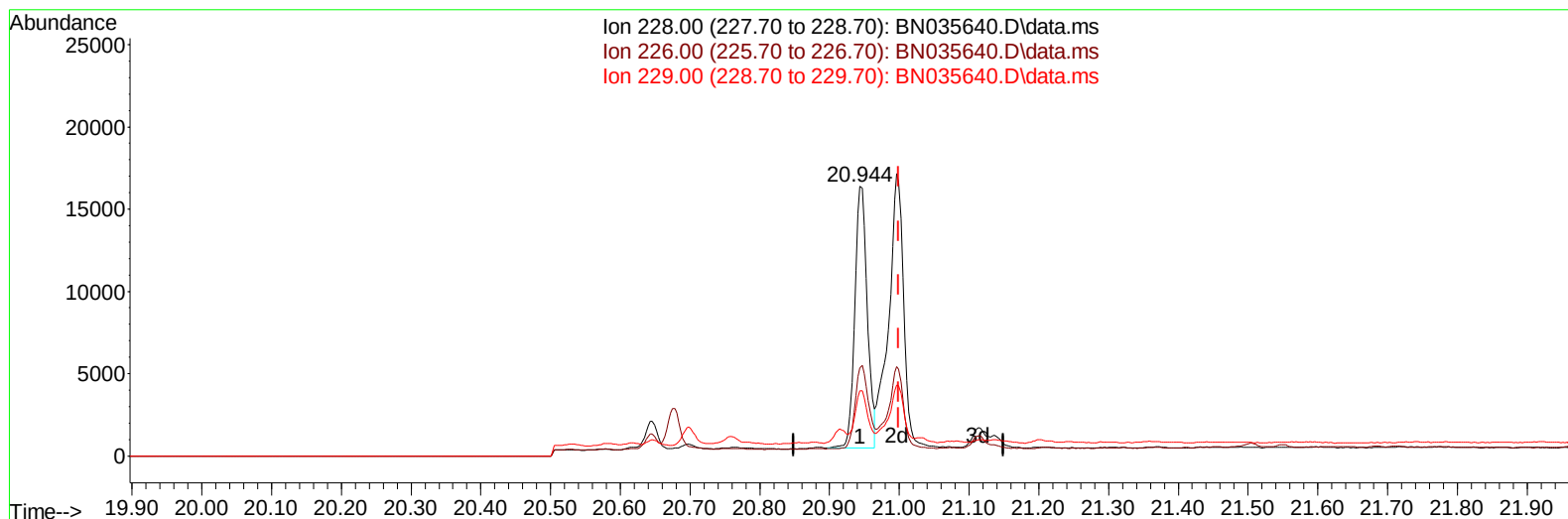
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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TIC: BN035640.D\data.ms

(22) Chrysene

20.944min (-0.055) 0.53 ng/u1

response 19724

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	32.60
229.00	20.70	24.22
0.00	0.00	0.00

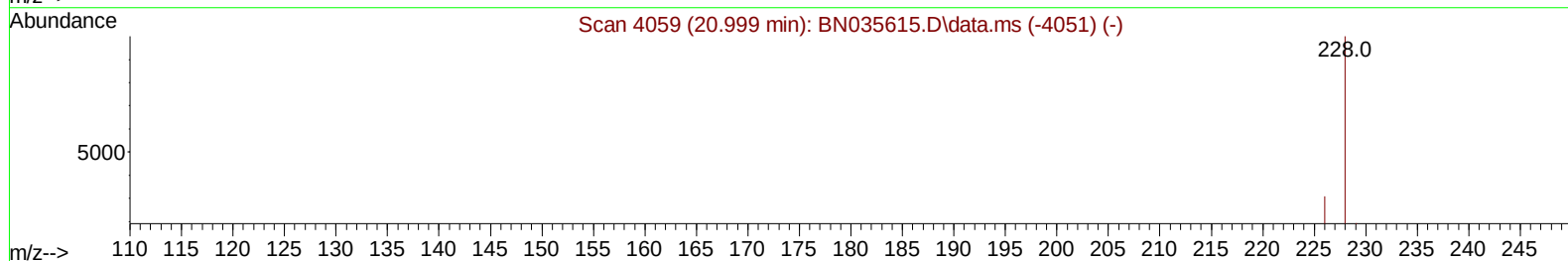
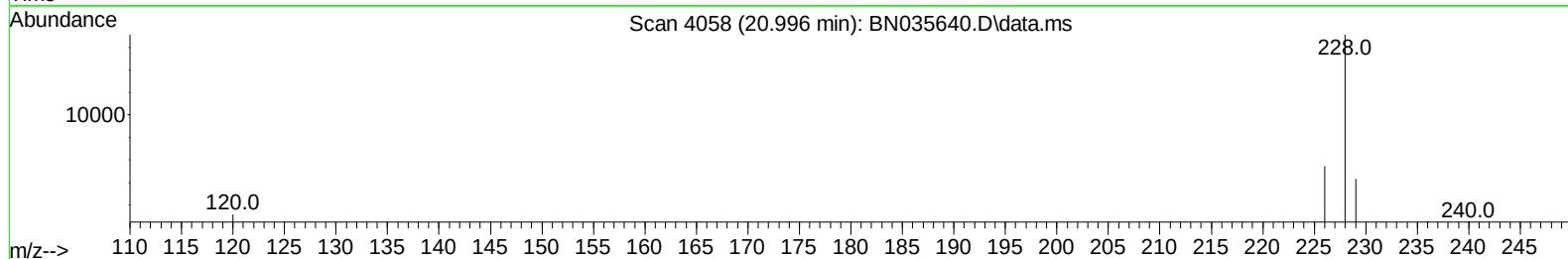
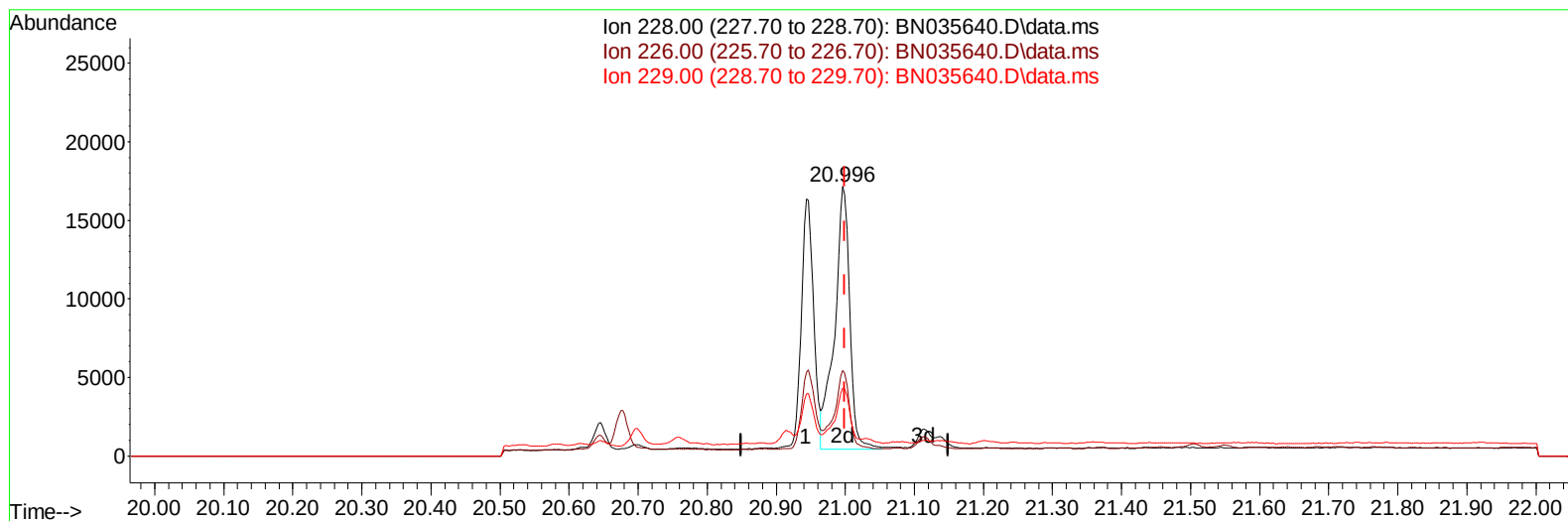
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035640.D\data.ms

(22) Chrysene

20.996min (-0.003) 0.68 ng/ul m

response 25429

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	31.72
229.00	20.70	25.13#
0.00	0.00	0.00

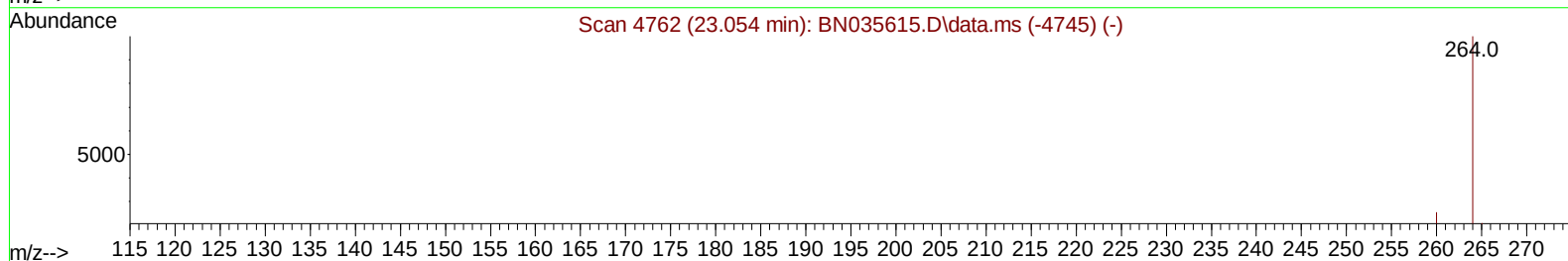
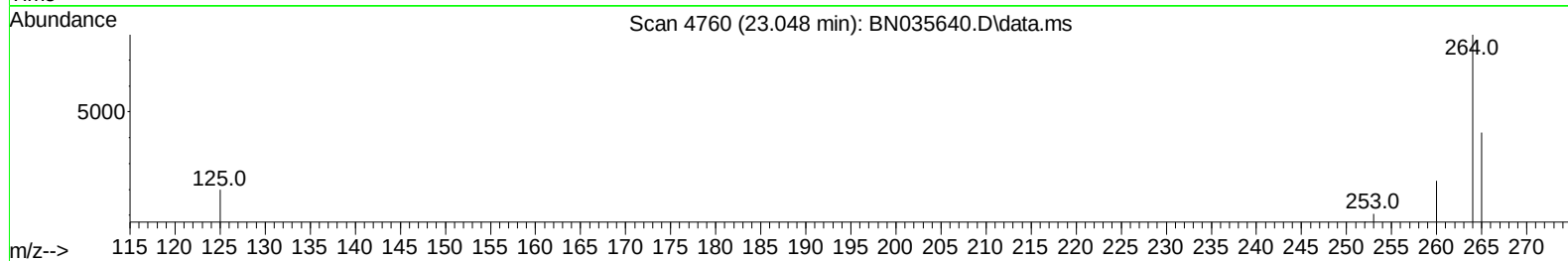
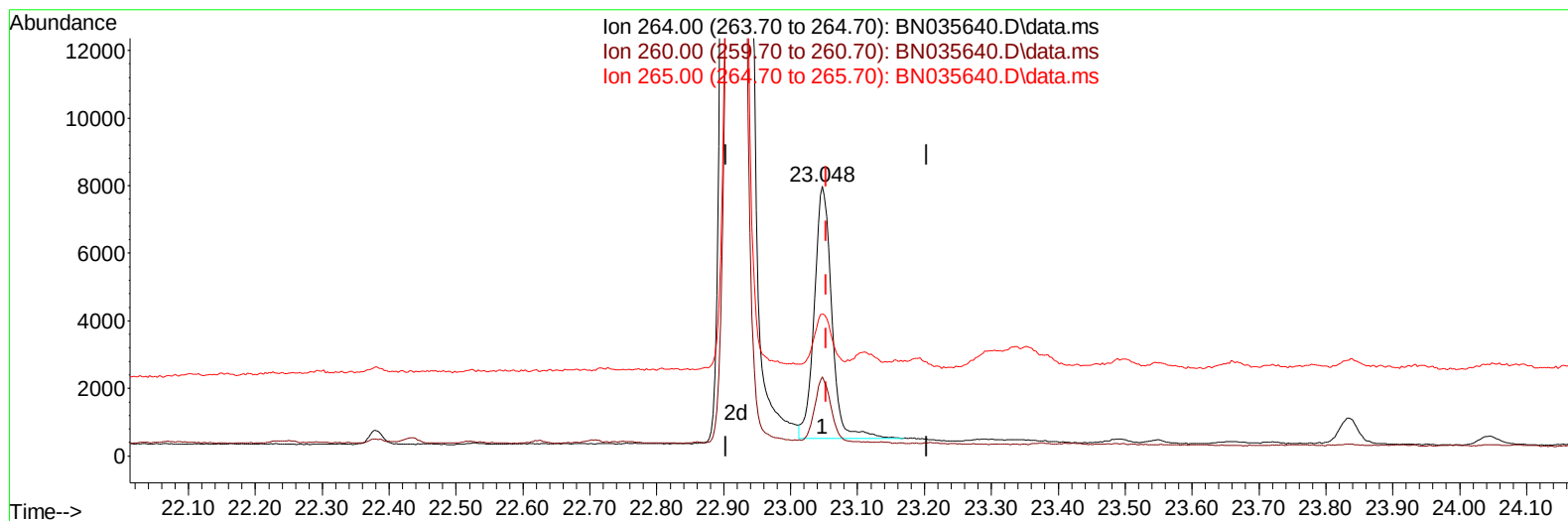
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 05:59:20 2024
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TIC: BN035640.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 13521

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.32
265.00	62.10	52.62
0.00	0.00	0.00

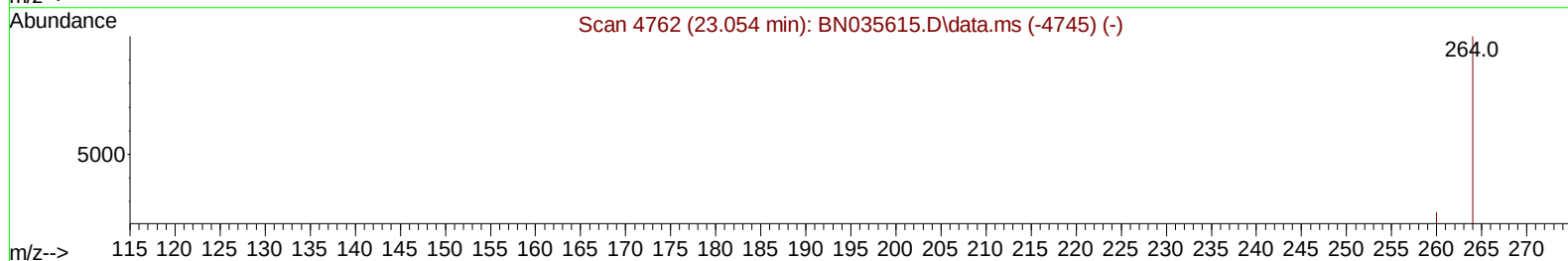
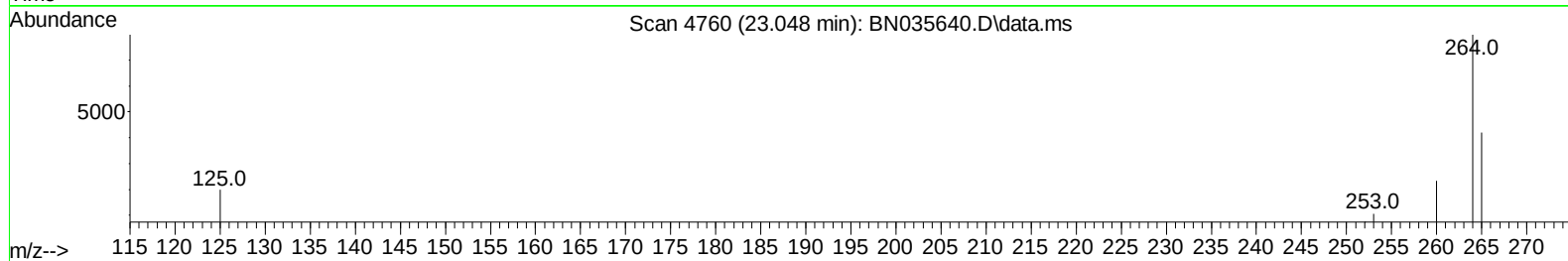
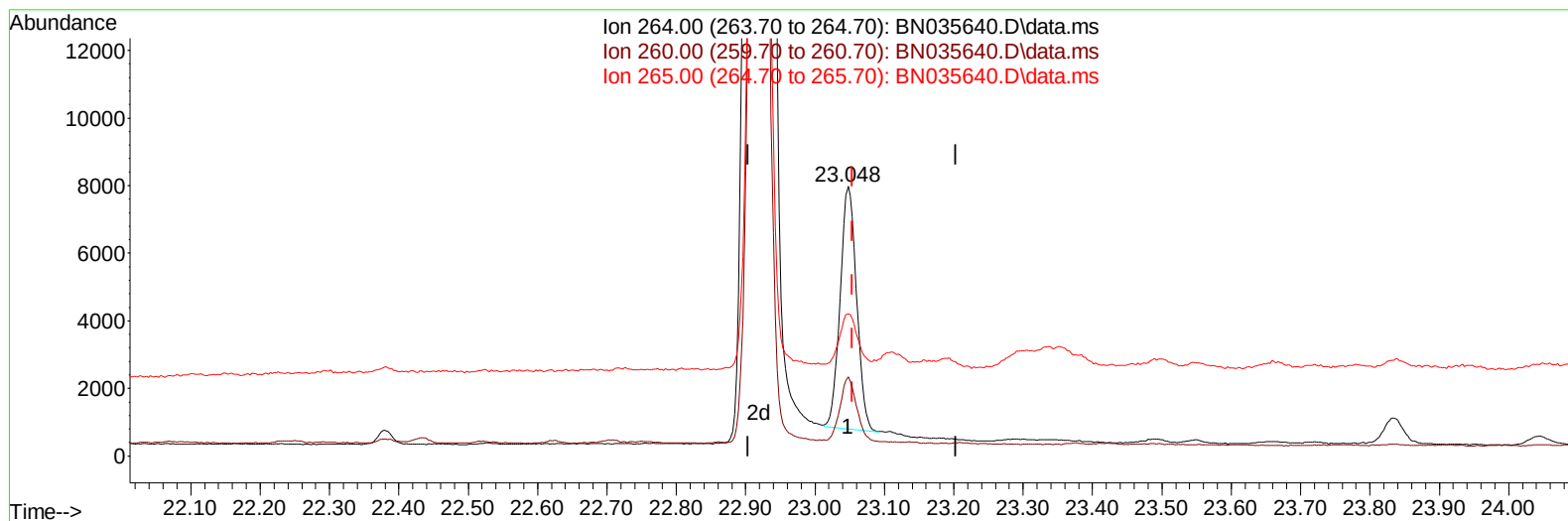
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Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035640.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 11746

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	29.32
265.00	62.10	52.62
0.00	0.00	0.00

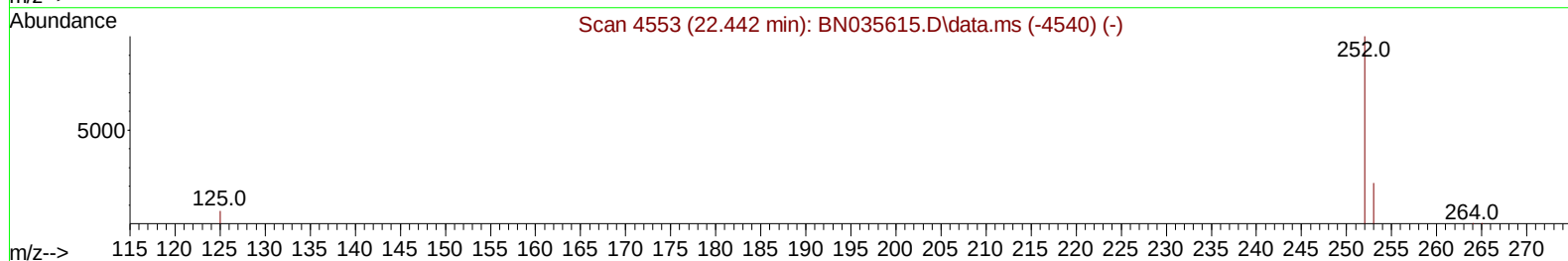
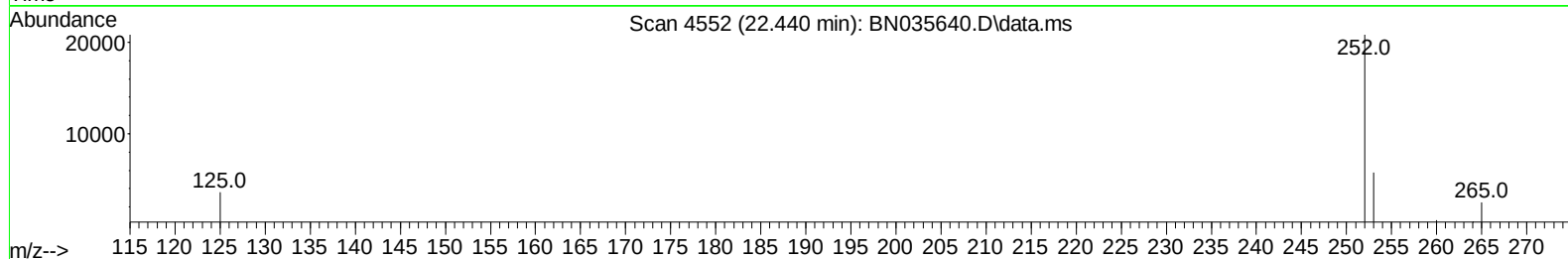
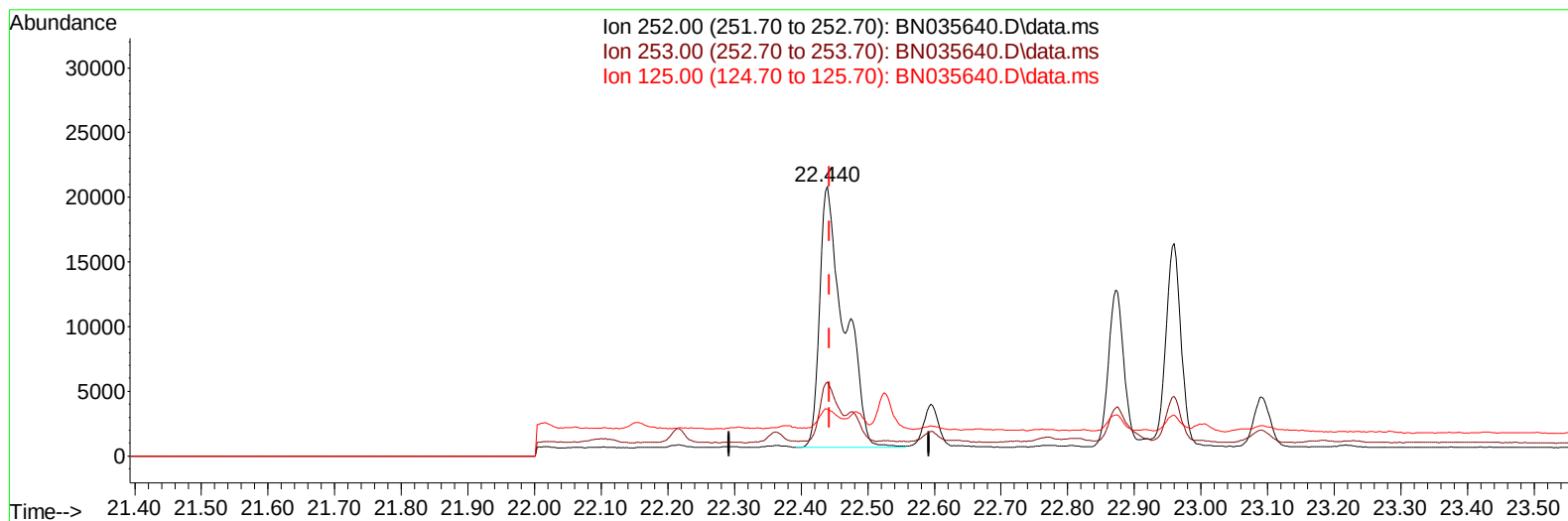
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Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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TIC: BN035640.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.50 ng/u1

response 52091

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.49
125.00	18.80	17.24
0.00	0.00	0.00

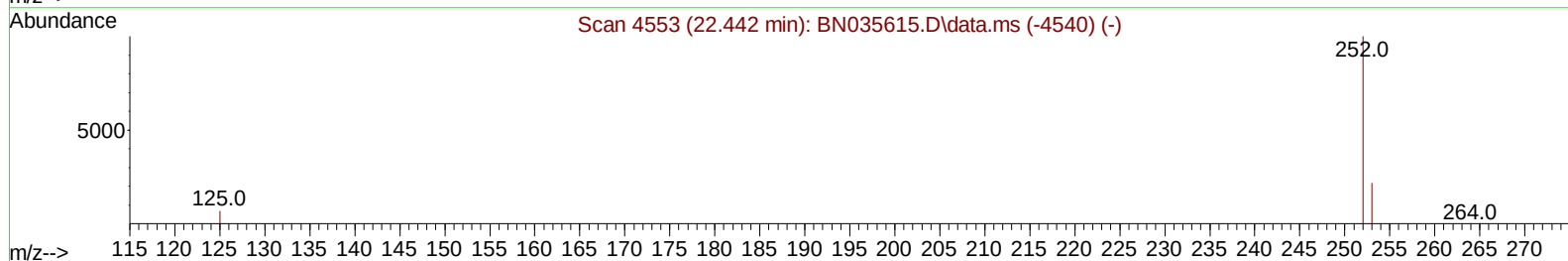
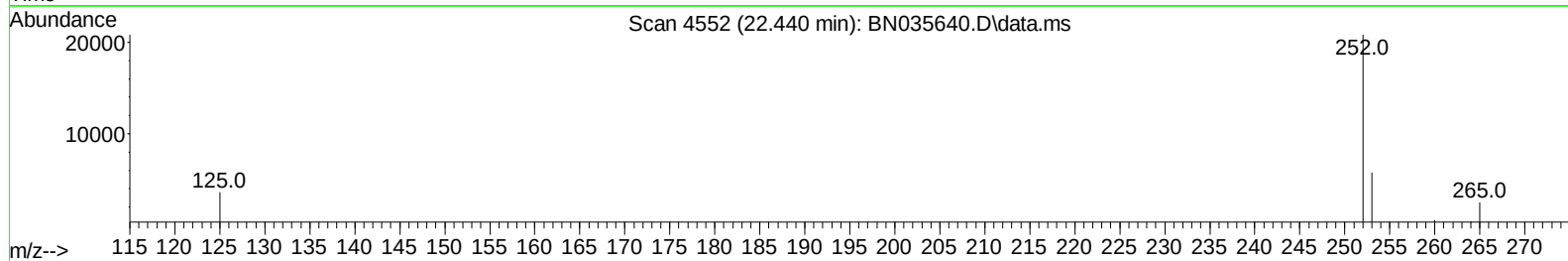
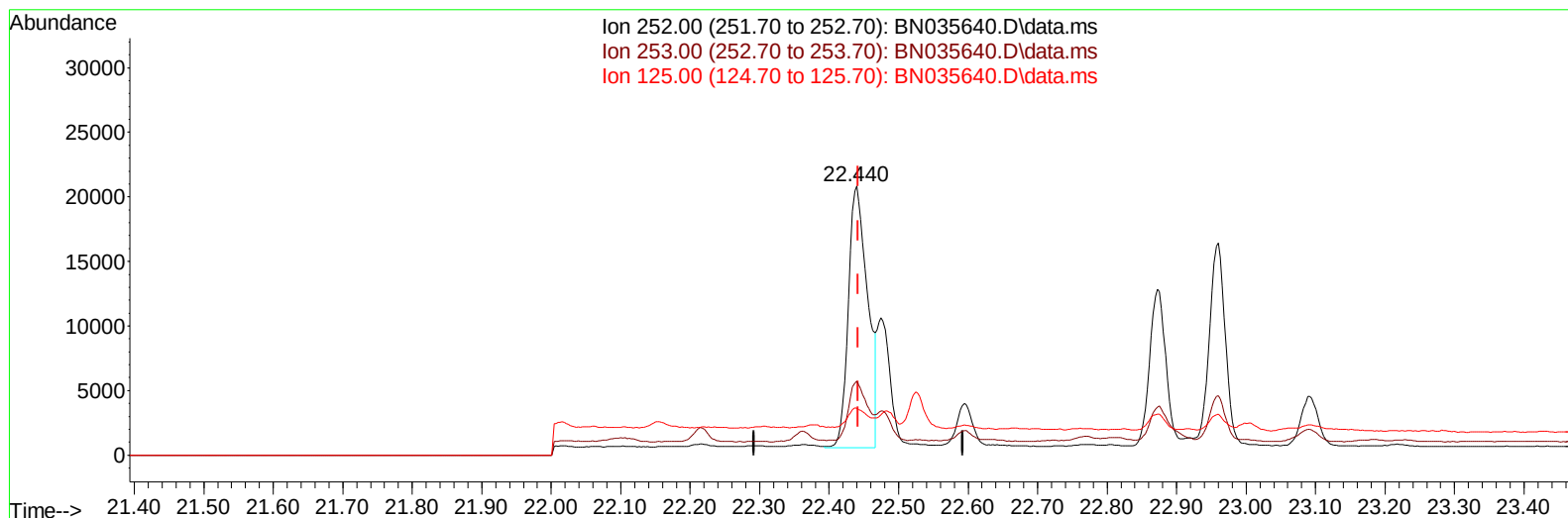
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 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: BN035640.D\data.ms

(24) Benzo(b)fluoranthene

22.440min (-0.003) 1.12 ng/u1 m

response 38906

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.49
125.00	18.80	17.24
0.00	0.00	0.00

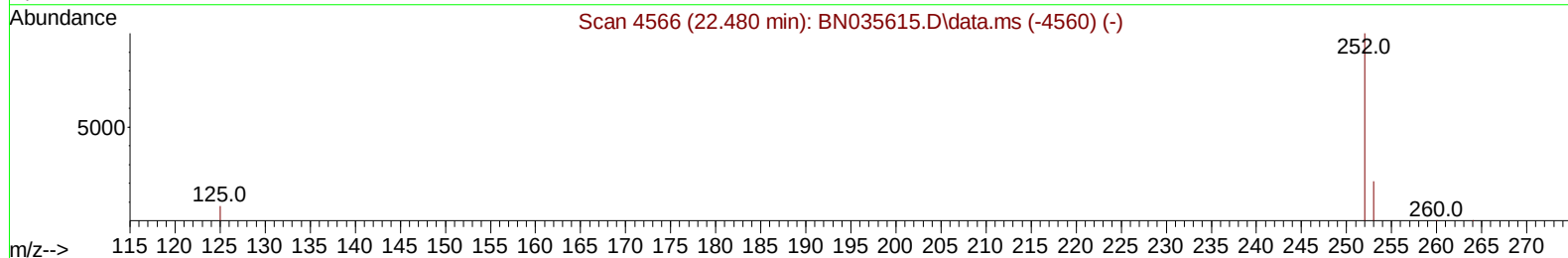
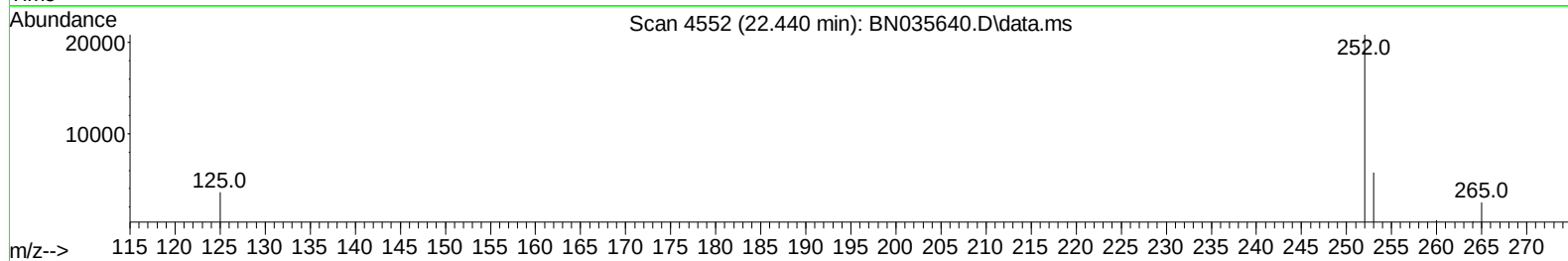
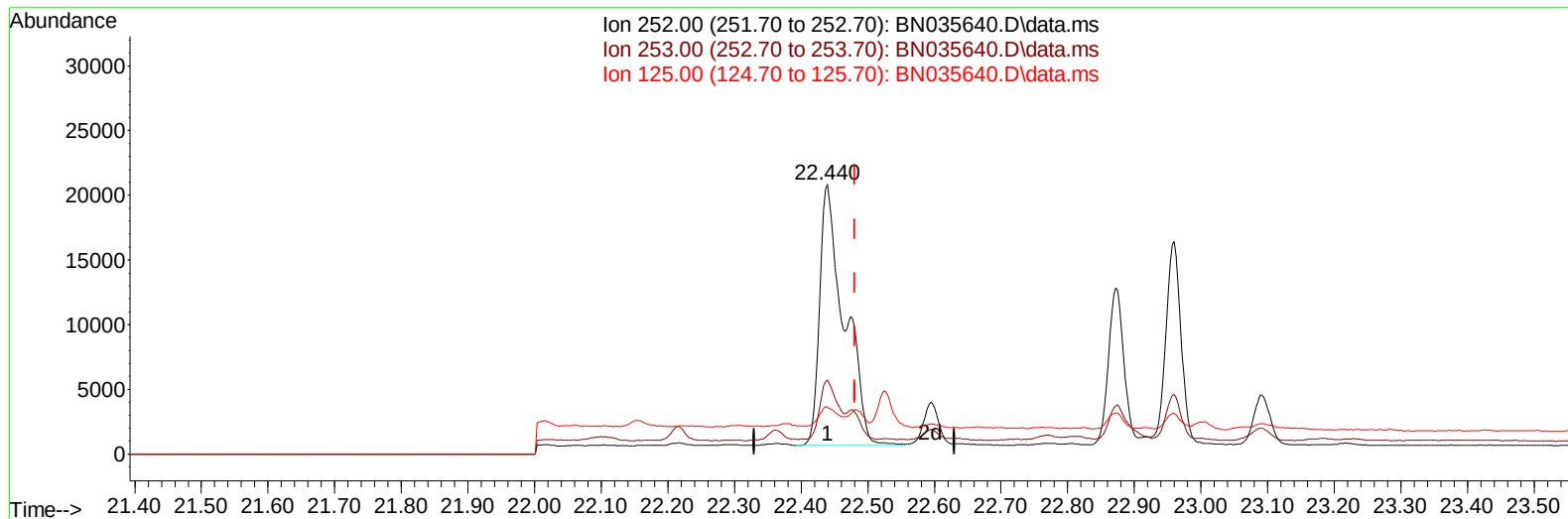
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Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 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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TIC: BN035640.D\data.ms

(25) Benzo(k)fluoranthene

22.440min (-0.041) 1.36 ng/u1

response 52091

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	27.49
125.00	19.10	17.24
0.00	0.00	0.00

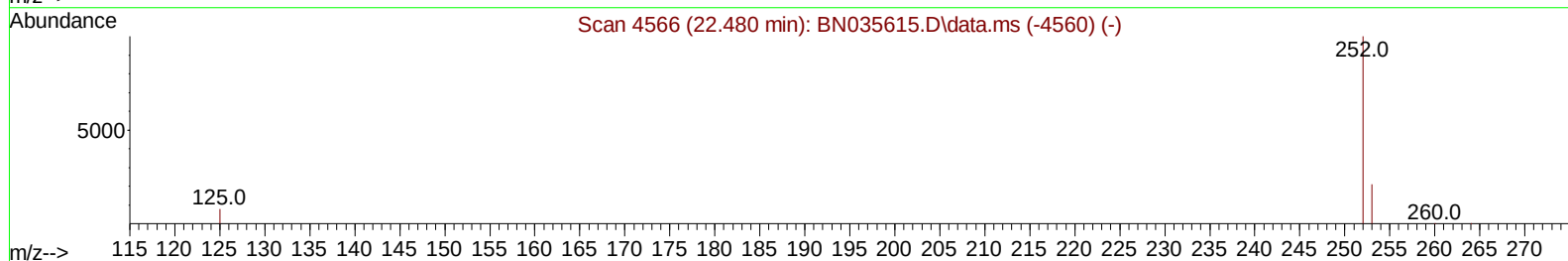
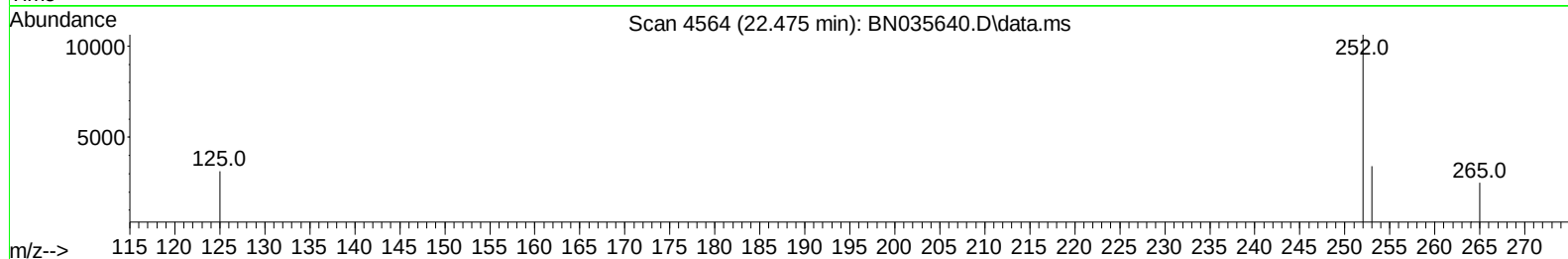
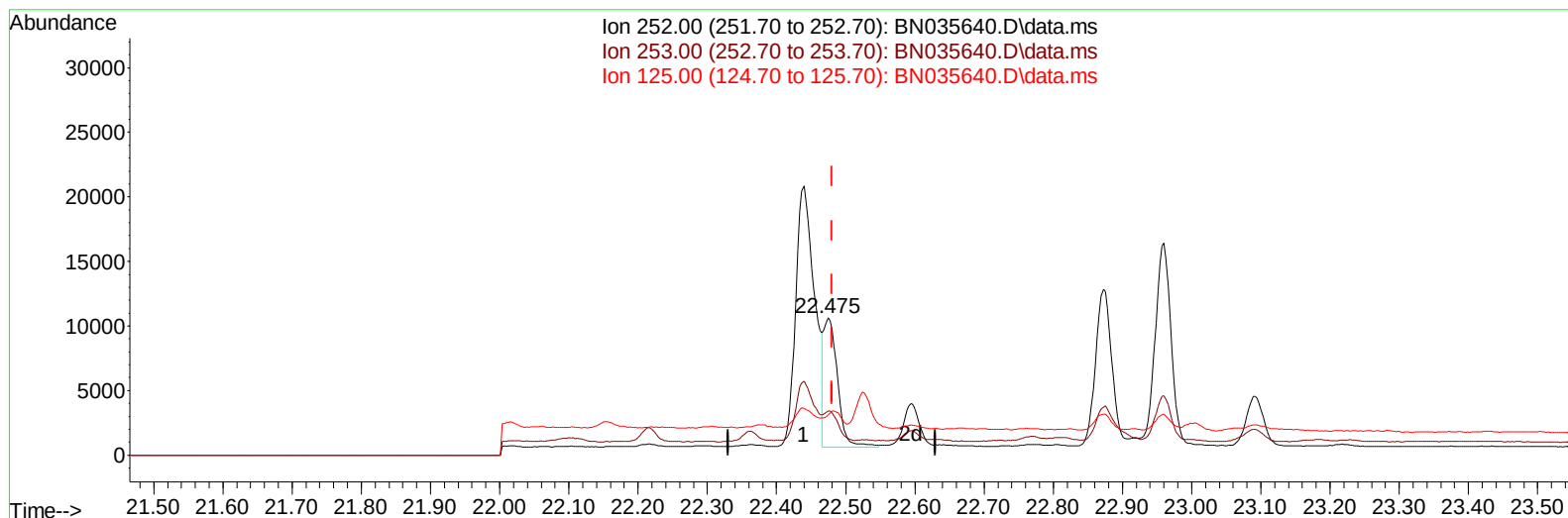
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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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
Response via : Initial Calibration



TIC: BN035640.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.006) 0.36 ng/ul m

response 13794

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	32.26
125.00	19.10	29.56#
0.00	0.00	0.00

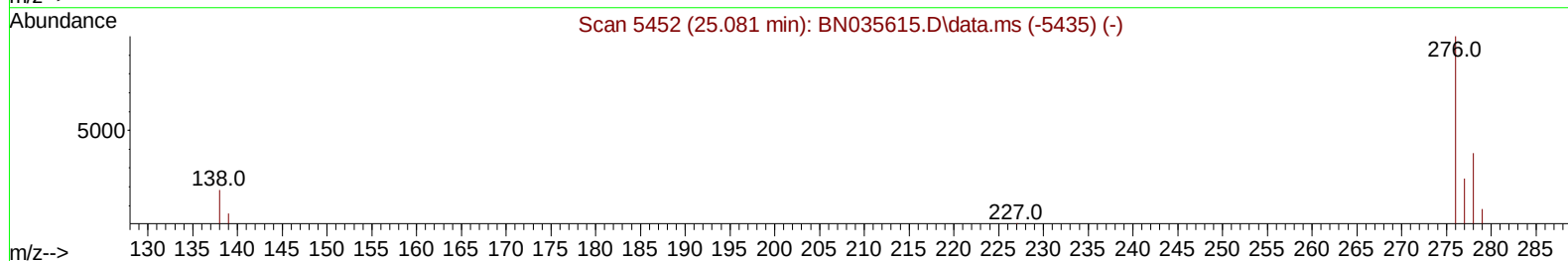
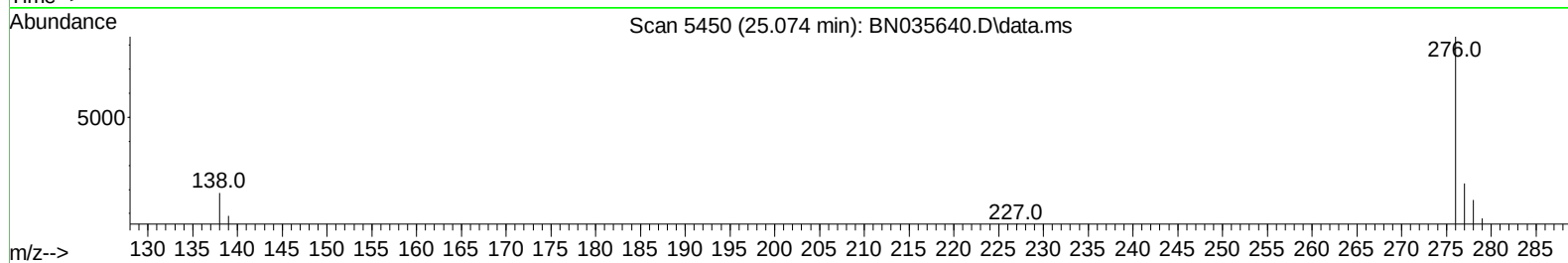
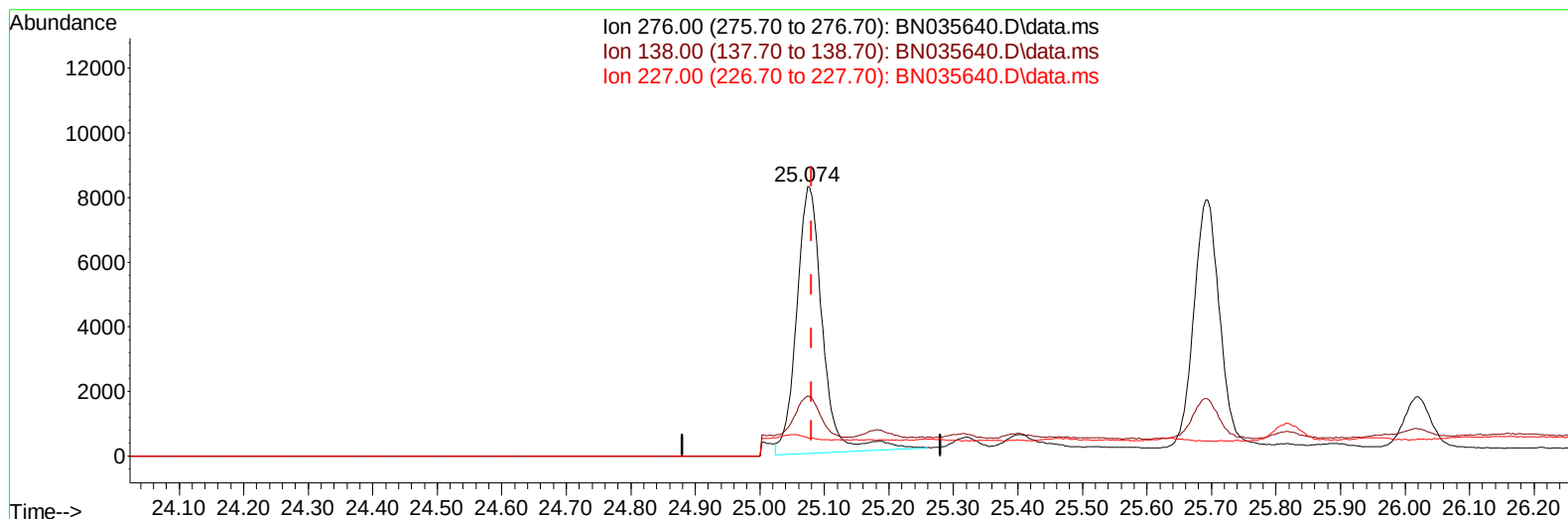
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Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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TIC: BN035640.D\data.ms

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

25.074min (-0.007) 0.57 ng/u1

response 23102

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	16.85
227.00	27.00	0.00#
0.00	0.00	0.00

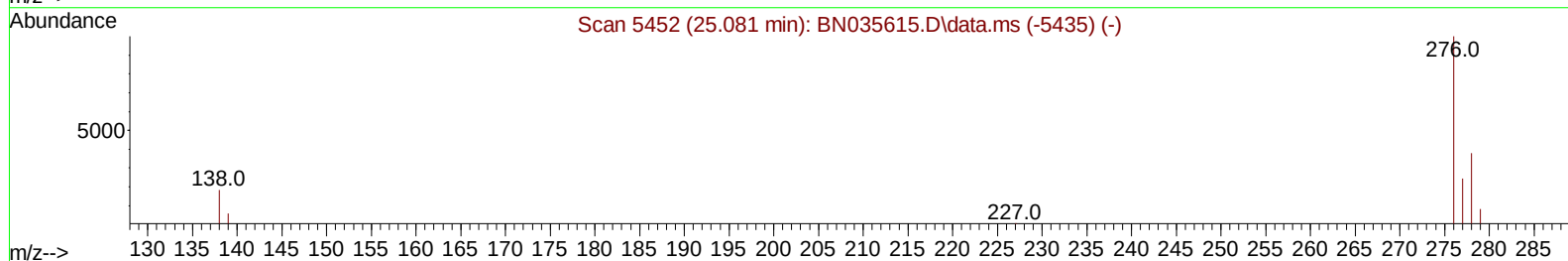
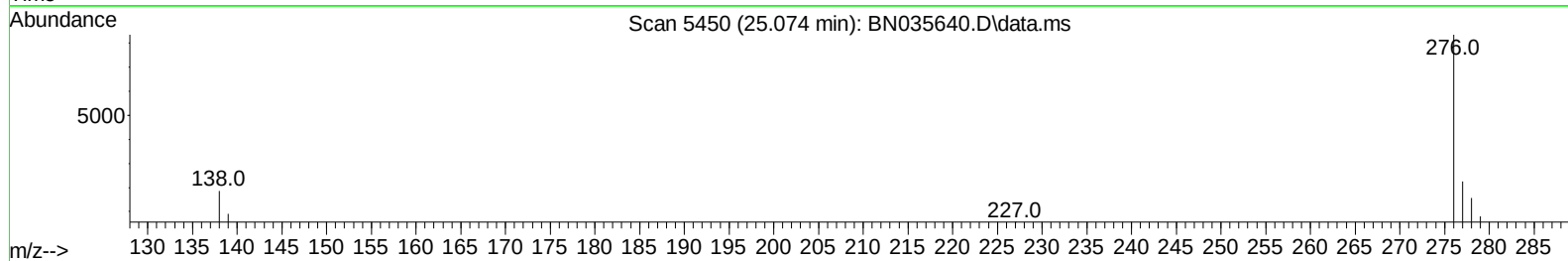
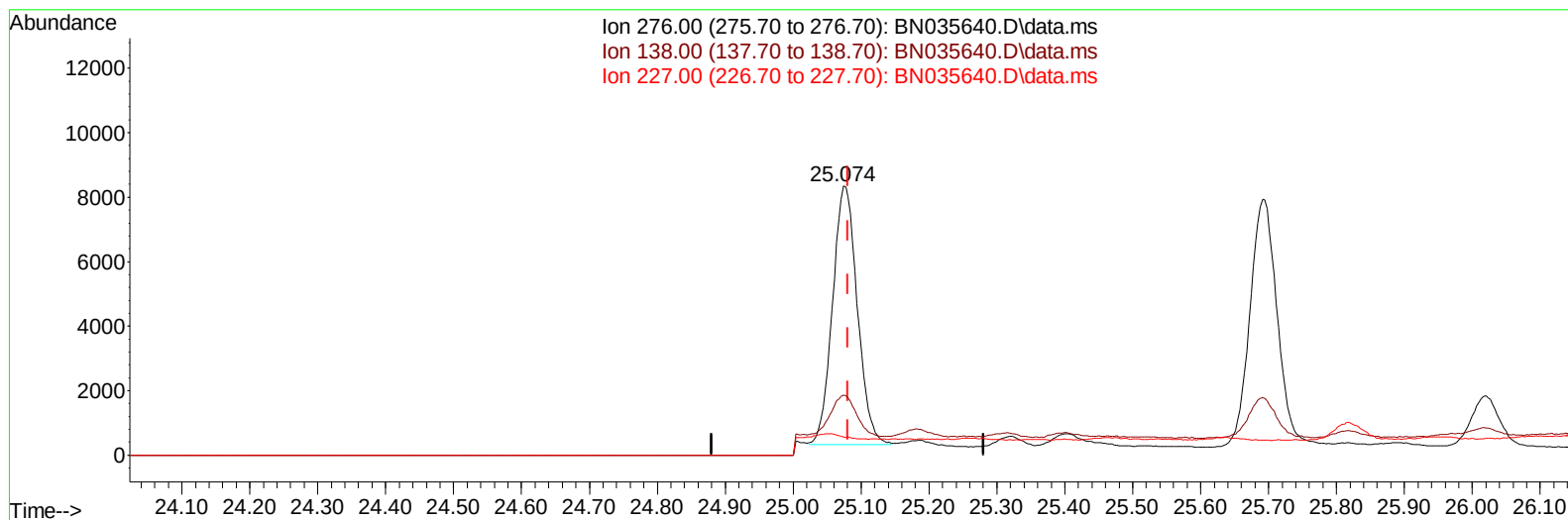
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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Response via : Initial Calibration

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



TIC: BN035640.D\data.ms

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

25.074min (-0.007) 0.50 ng/ul m

response 20319

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	19.15
227.00	27.00	0.00#
0.00	0.00	0.00

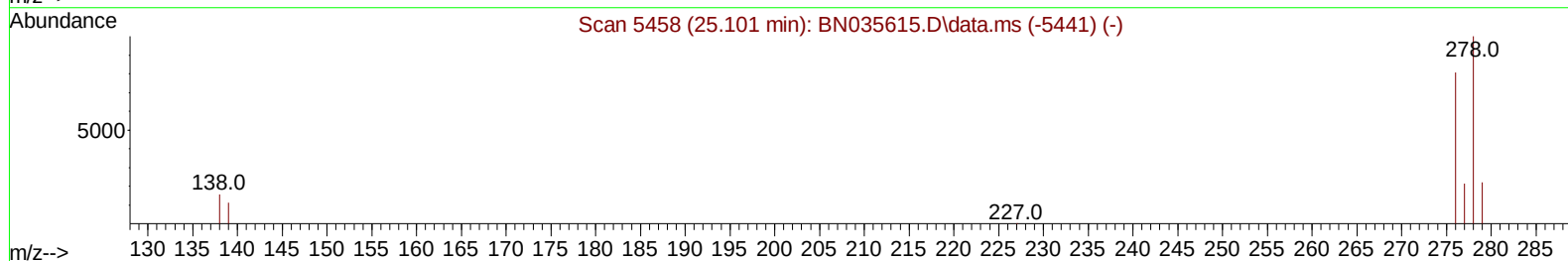
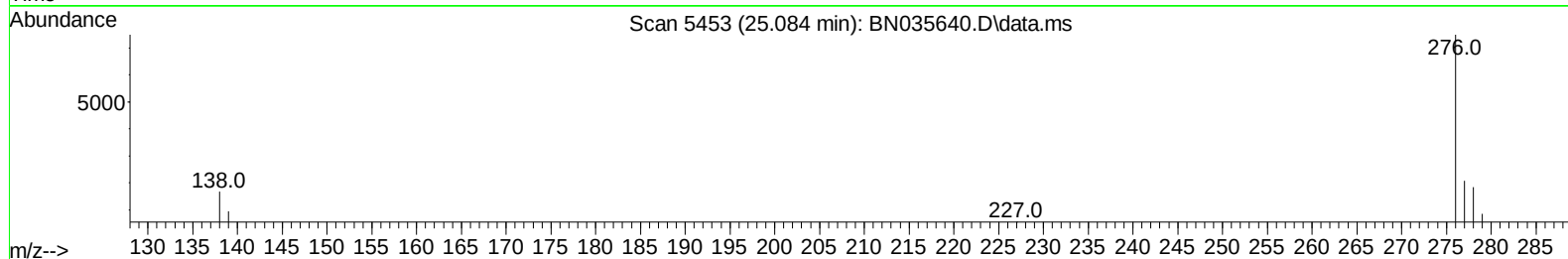
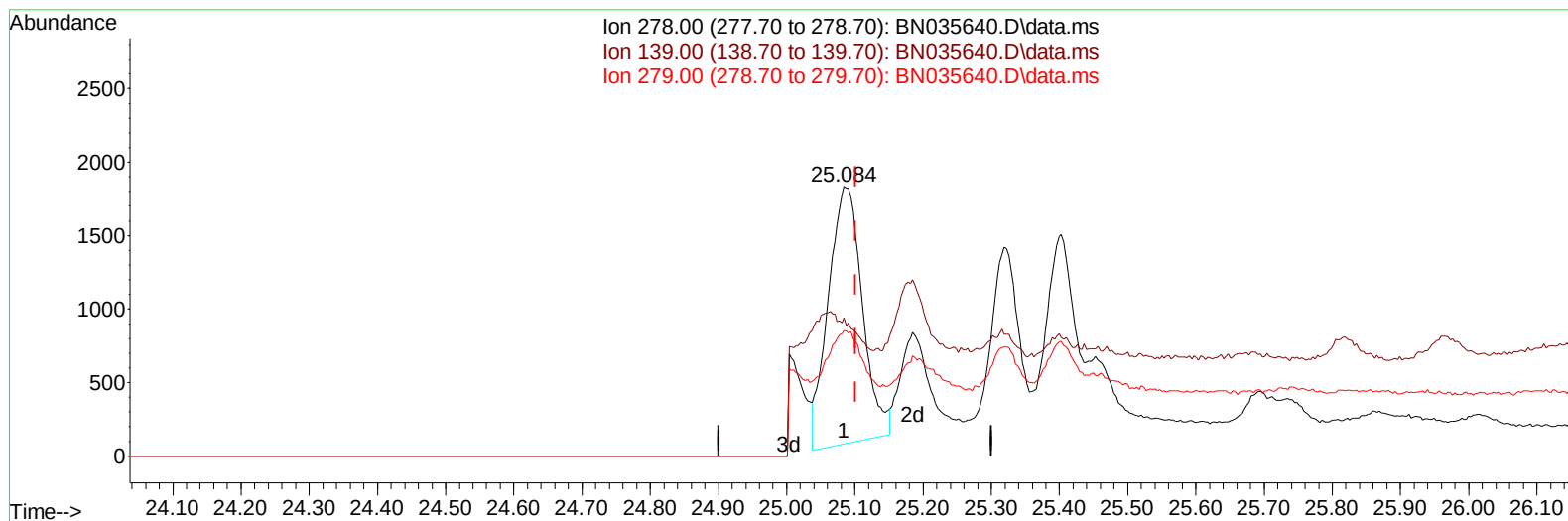
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035640.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.20 ng/u1

response 6086

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	51.42#
279.00	30.00	46.51#
0.00	0.00	0.00

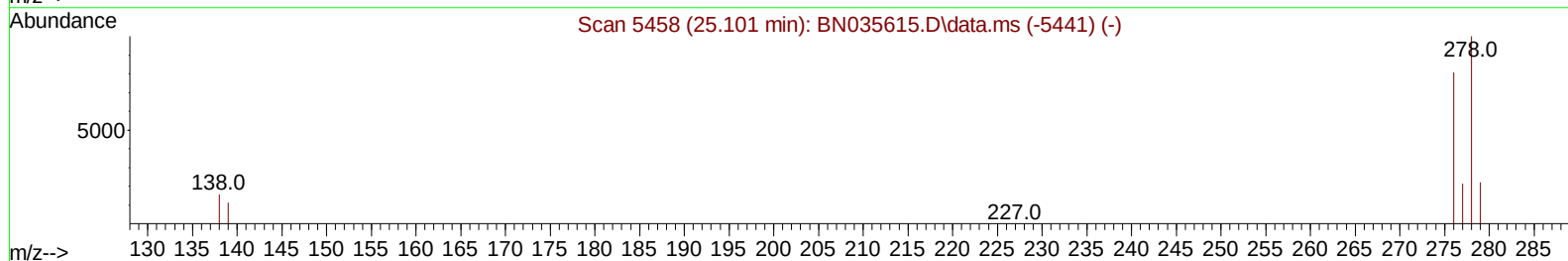
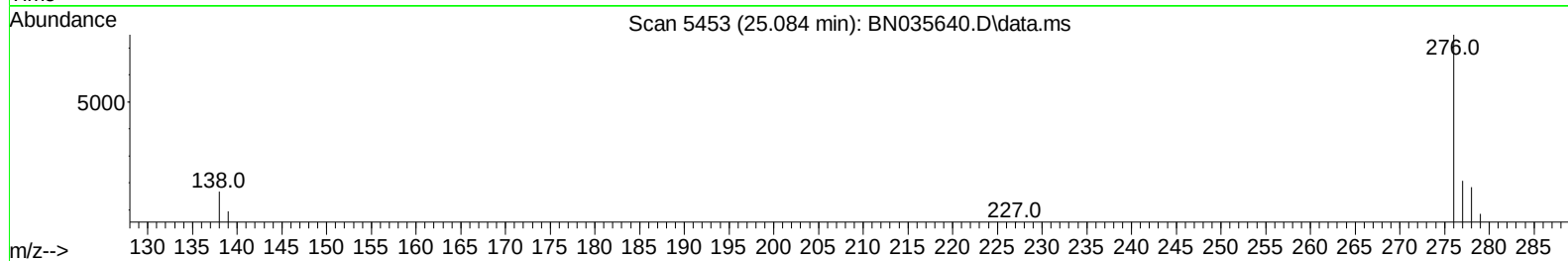
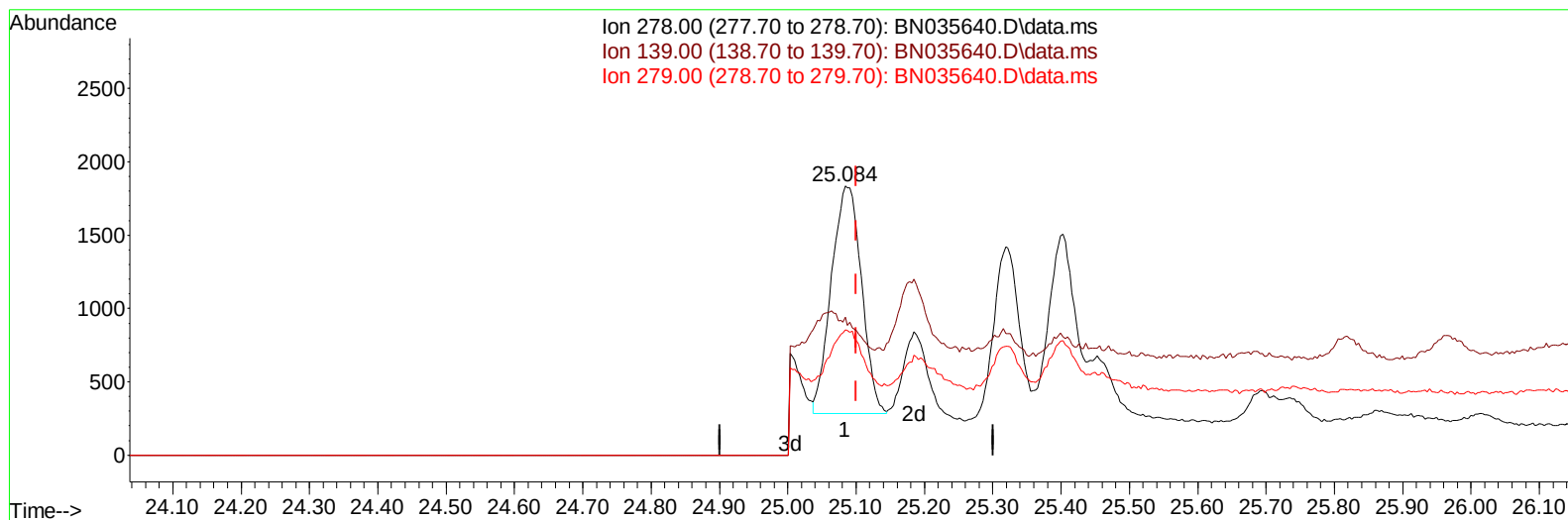
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035640.D
Acq On : 17 Dec 2024 05:36
Operator : RC/JU
Sample : P5232-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 05:59:20 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: BN035640.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.15 ng/ul m

response 4754

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	51.42#
279.00	30.00	46.51#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2848	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	8482	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5999	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	13000	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	10854	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	11746m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	7180	2.843	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2093	0.173	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	4227	0.133	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.080	128	3544m	0.170	ng/ul	
7) 2-Methylnaphthalene	11.708	142	3085	0.220	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	2235	0.154	ng/ul	99
10) Acenaphthylene	13.657	152	3797	0.163	ng/ul#	95
11) Acenaphthene	14.009	153	419	0.024	ng/ul#	90
12) Fluorene	15.013	166	714	0.035	ng/ul#	87
15) Phenanthrene	16.755	178	14266	0.438	ng/ul	100
16) Anthracene	16.848	178	4298	0.141	ng/ul#	91
19) Fluoranthene	18.800	202	39810	1.026	ng/ul	97
20) Pyrene	19.167	202	35460	0.829	ng/ul	98
21) Benzo(a)anthracene	20.944	228	19724	0.548	ng/ul	92
22) Chrysene	20.996	228	25429m	0.681	ng/ul	
24) Benzo(b)fluoranthene	22.440	252	38906m	1.124	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	13794m	0.360	ng/ul	
26) Benzo(a)pyrene	22.960	252	25203	0.752	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	25.074	276	20319m	0.498	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	4754m	0.153	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	21718	0.663	ng/ul	98

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

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