

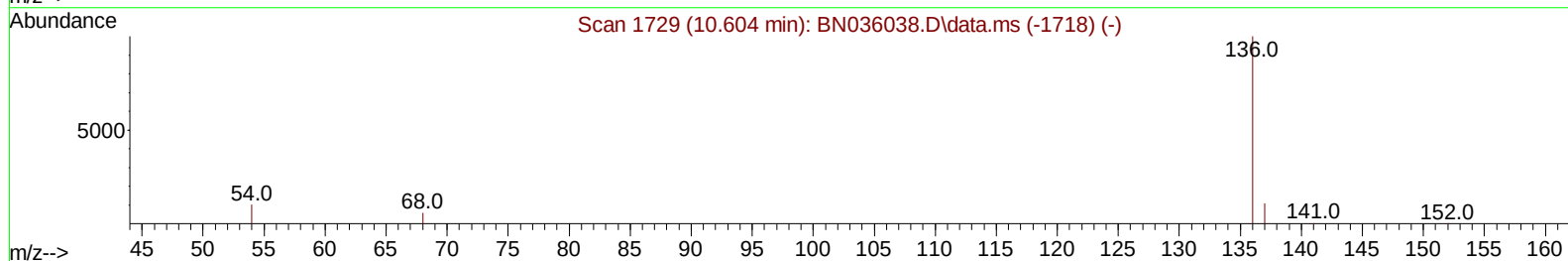
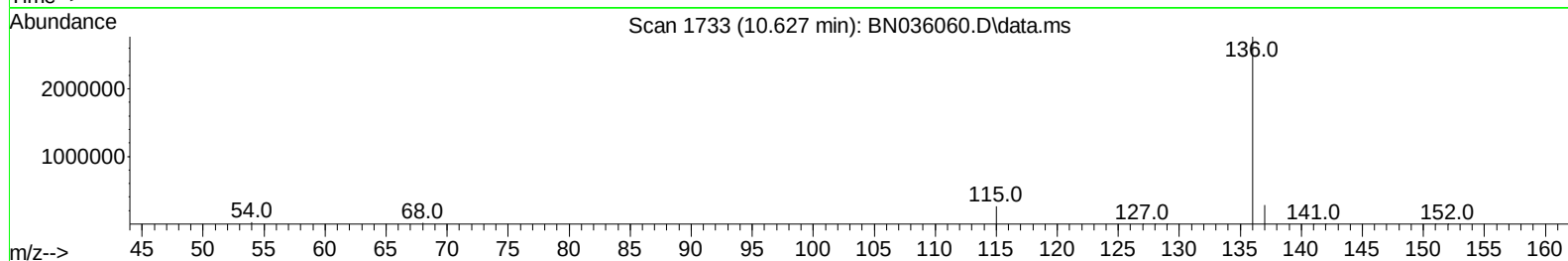
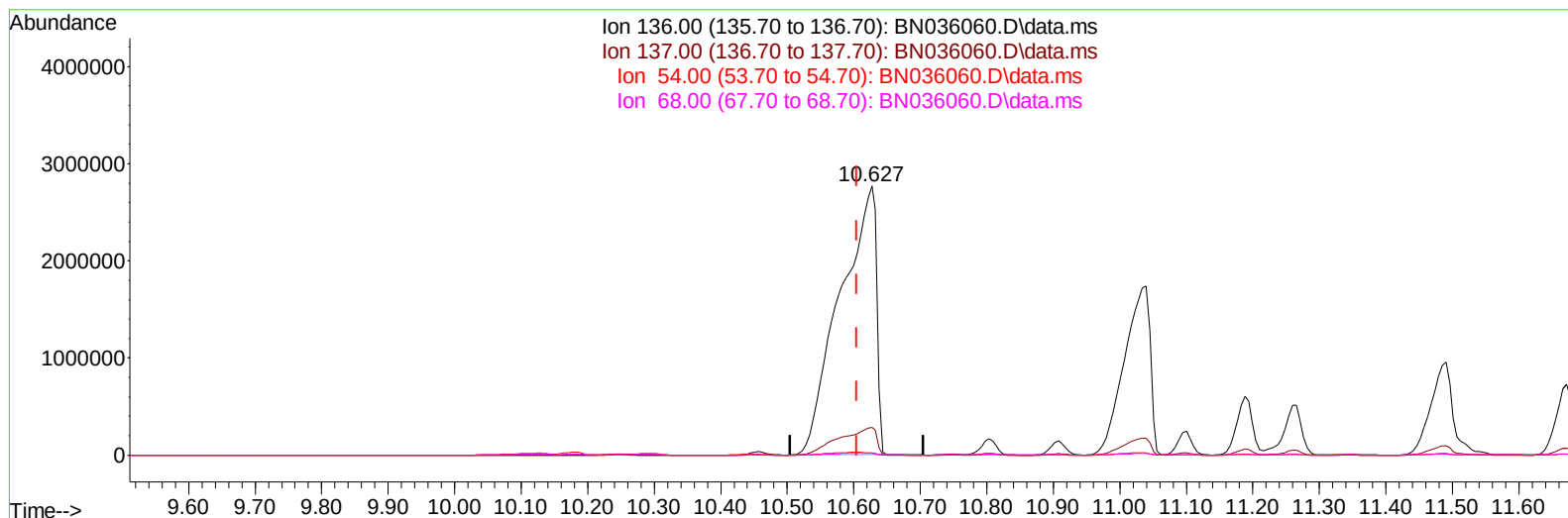
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



TIC: BN036060.D\data.ms

(4) Naphthalene-d8 (I)

10.627min (+ 0.022) 0.40 ng/u1

response 10454577

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	12.70	10.24
54.00	12.80	0.92#
68.00	8.10	0.58#

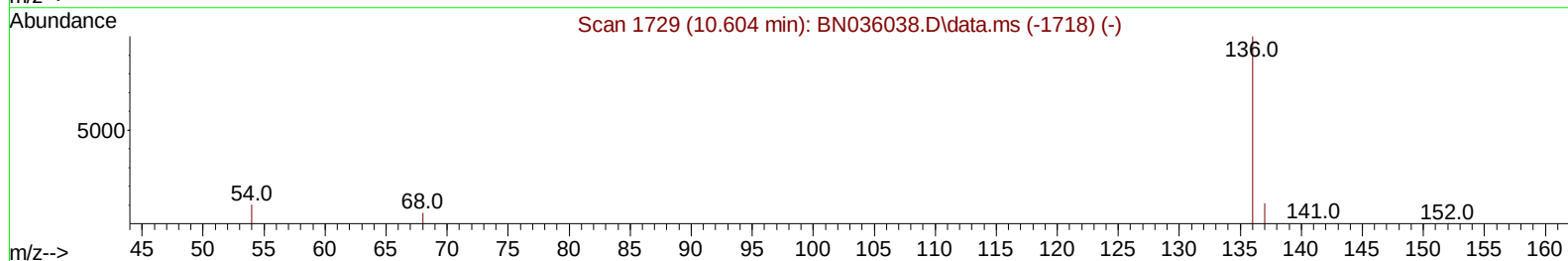
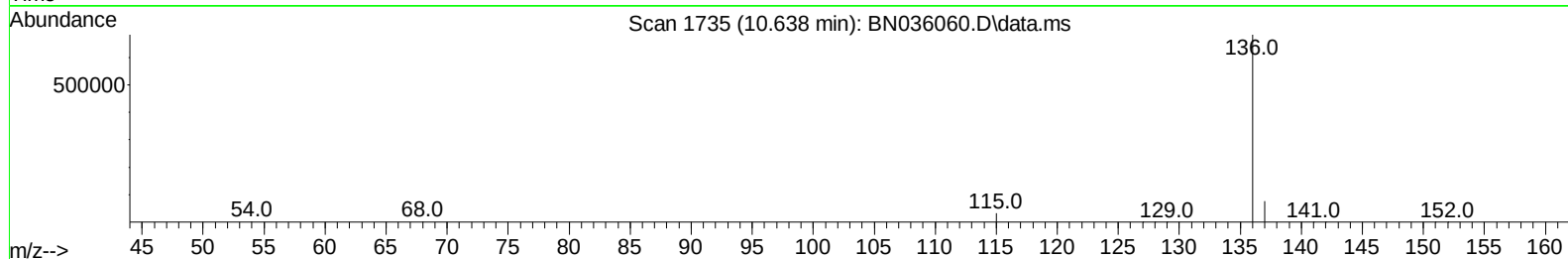
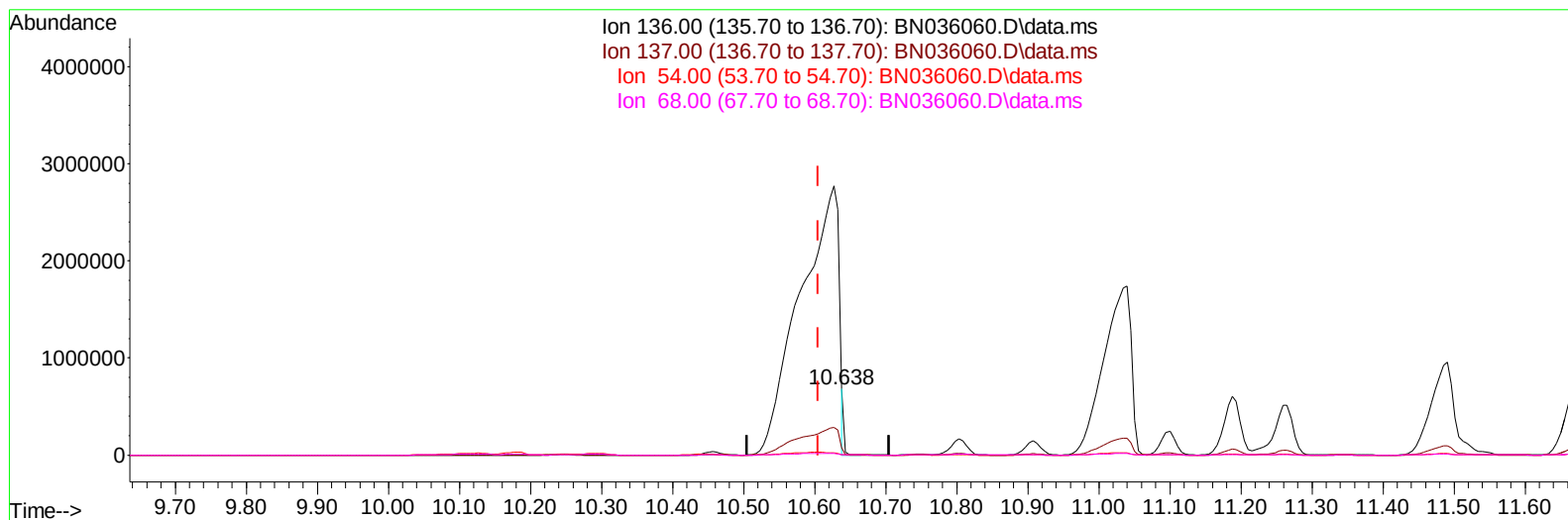
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025



TIC: BN036060.D\data.ms

(4) Naphthalene-d8 (I)

10.638min (+ 0.033) 0.40 ng/ul m

response 14593

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	12.70	11.26
54.00	12.80	0.46#
68.00	8.10	0.41#

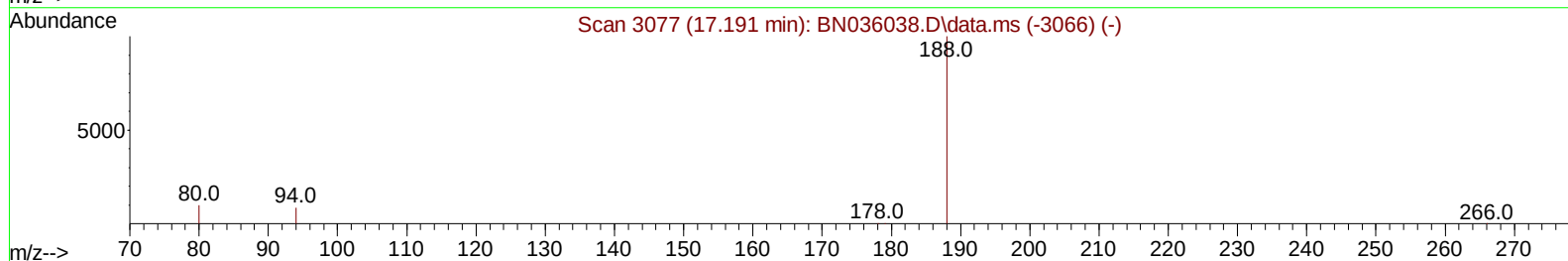
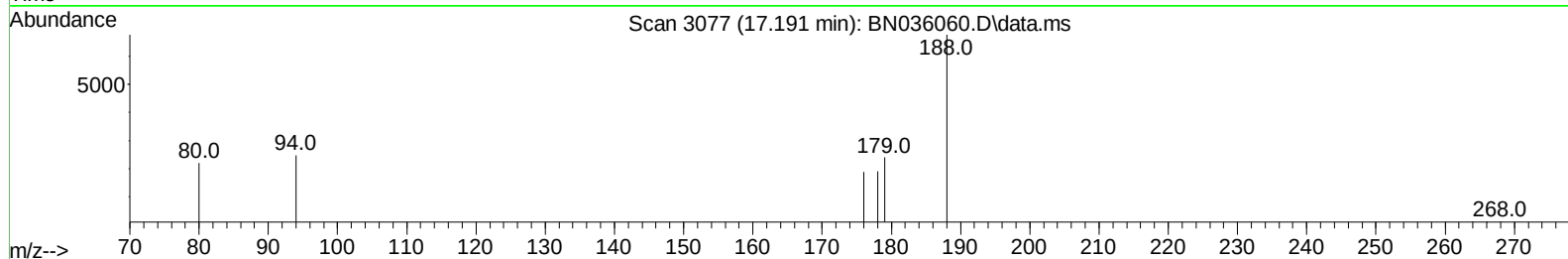
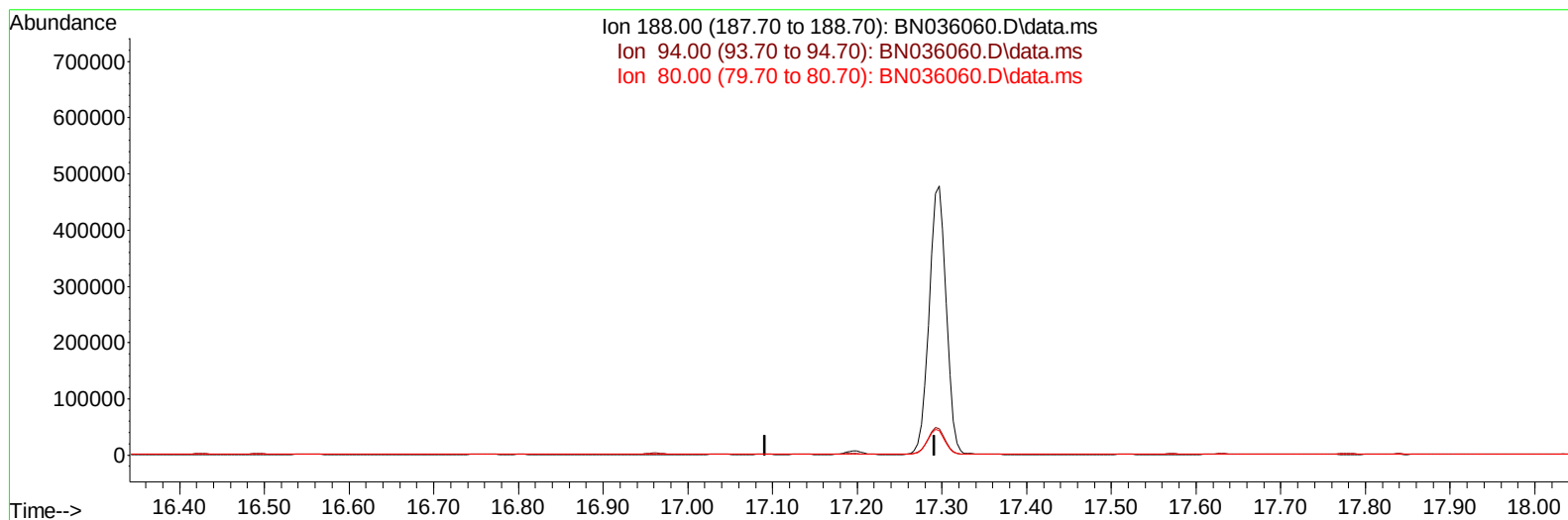
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 01/31/2025



TIC: BN036060.D\data.ms

(13) Phenanthrene-d10 (I)

17.191min (-17.191) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	10.10	0.00#
80.00	10.90	0.00#
0.00	0.00	0.00

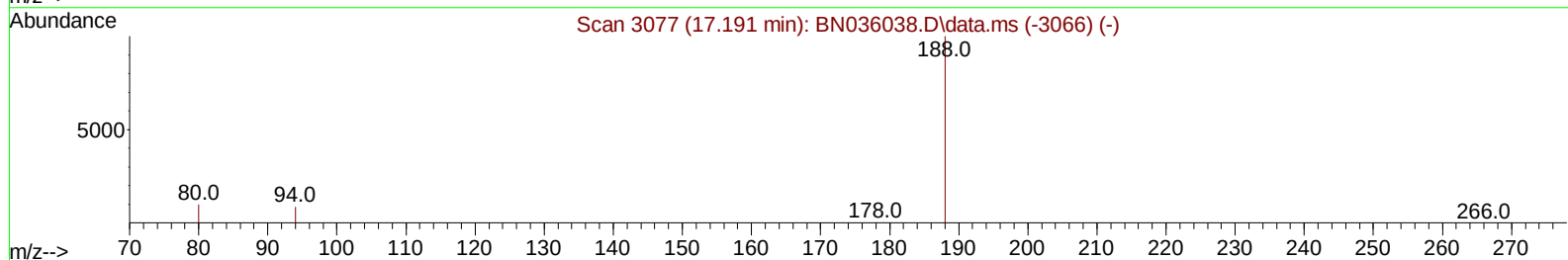
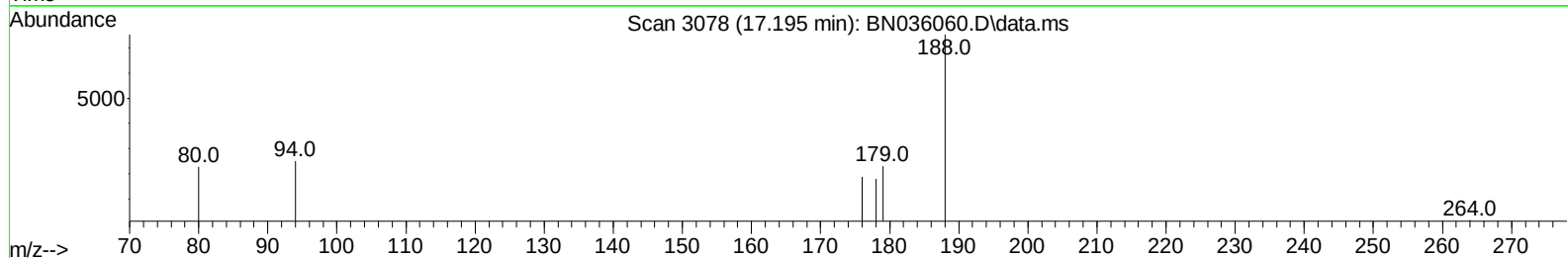
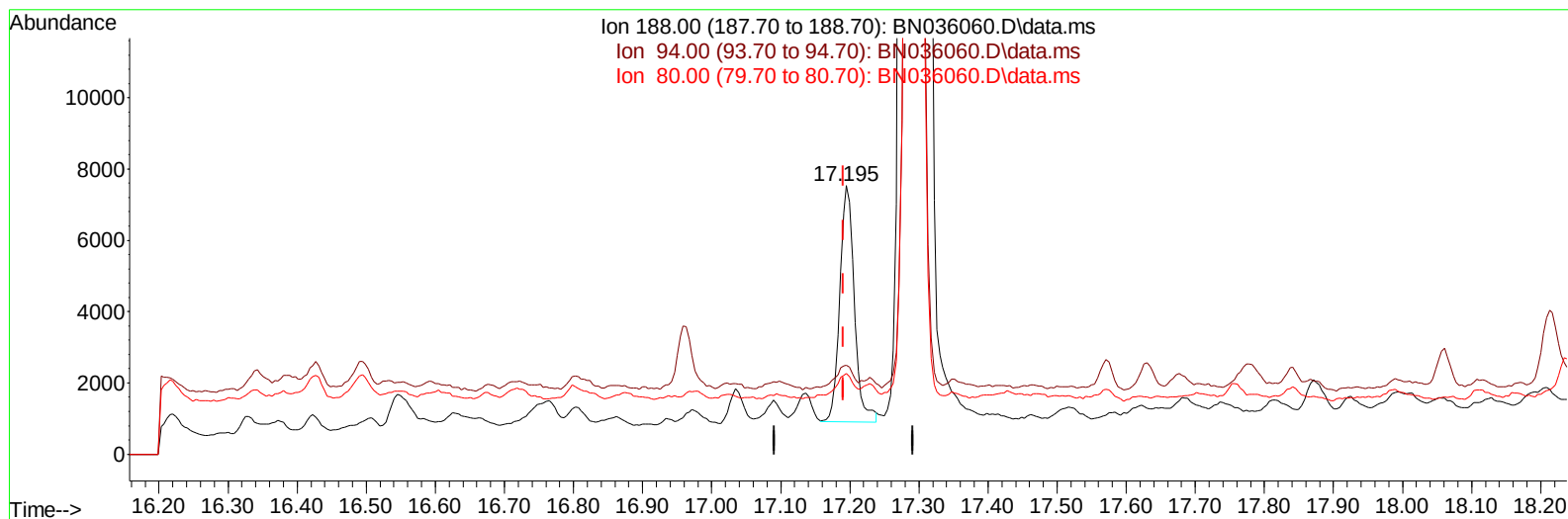
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
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TIC: BN036060.D\data.ms

(13) Phenanthrene-d10 (I)

17.195min (+ 0.004) 0.40 ng/ul m

response 9718

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.10	33.22#
80.00	10.90	30.11#
0.00	0.00	0.00

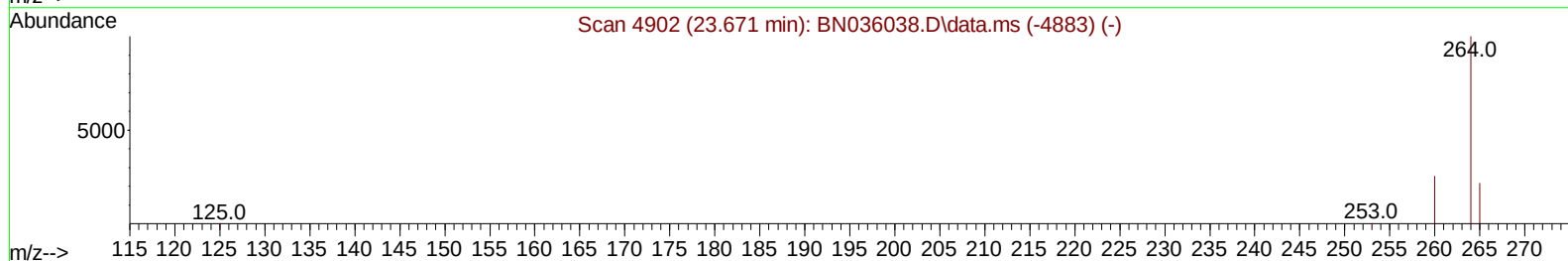
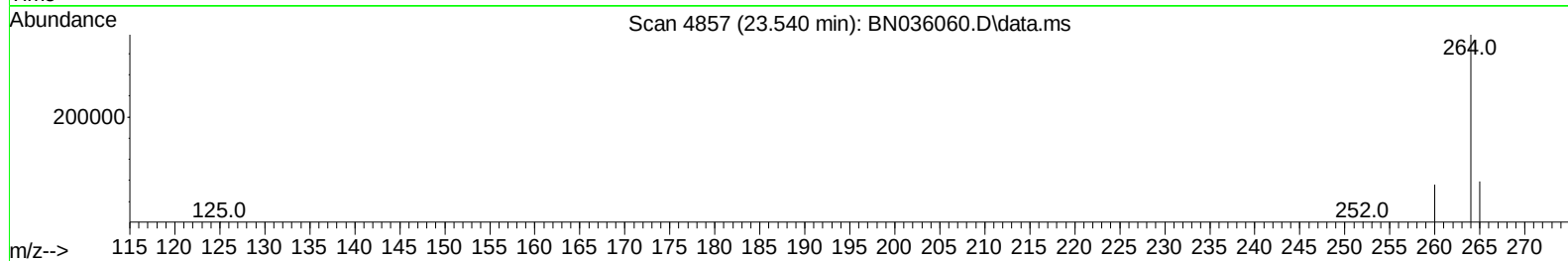
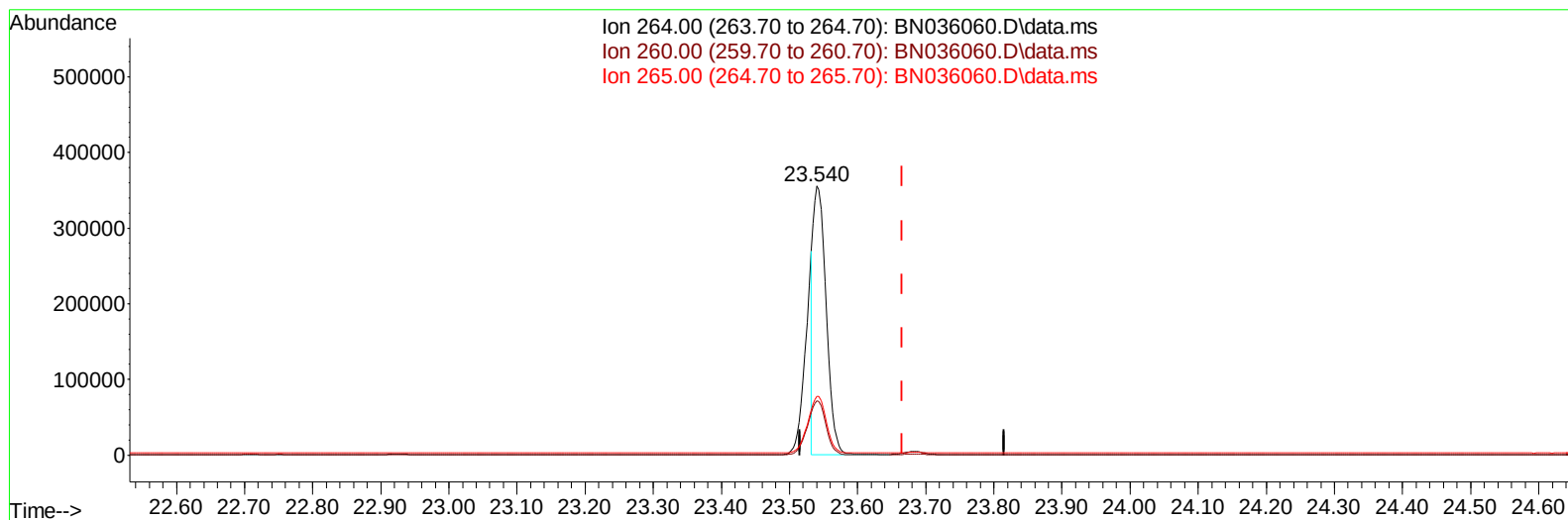
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN036060.D\data.ms

(23) Perylene-d12 (I)

23.540min (-0.125) 0.40 ng/u1

response 473746

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	20.26#
265.00	53.20	21.93#
0.00	0.00	0.00

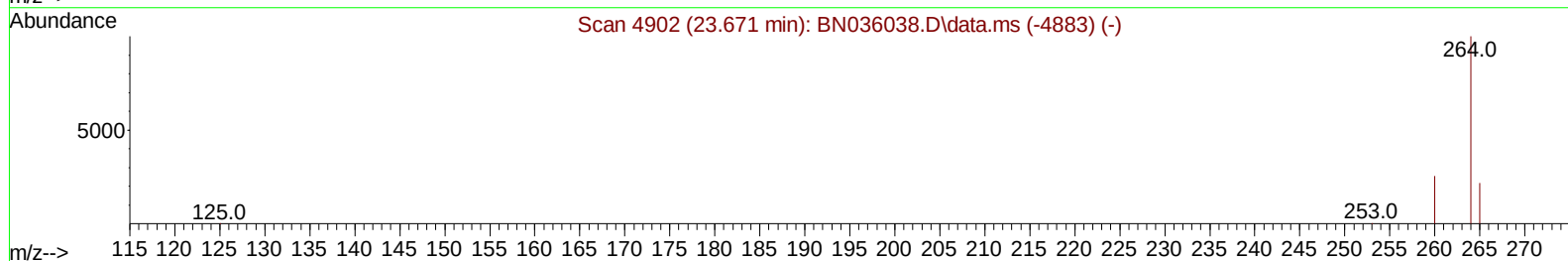
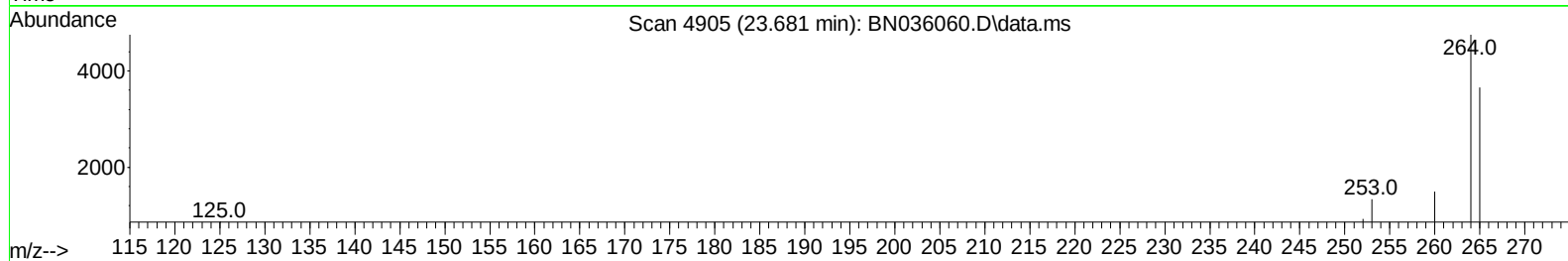
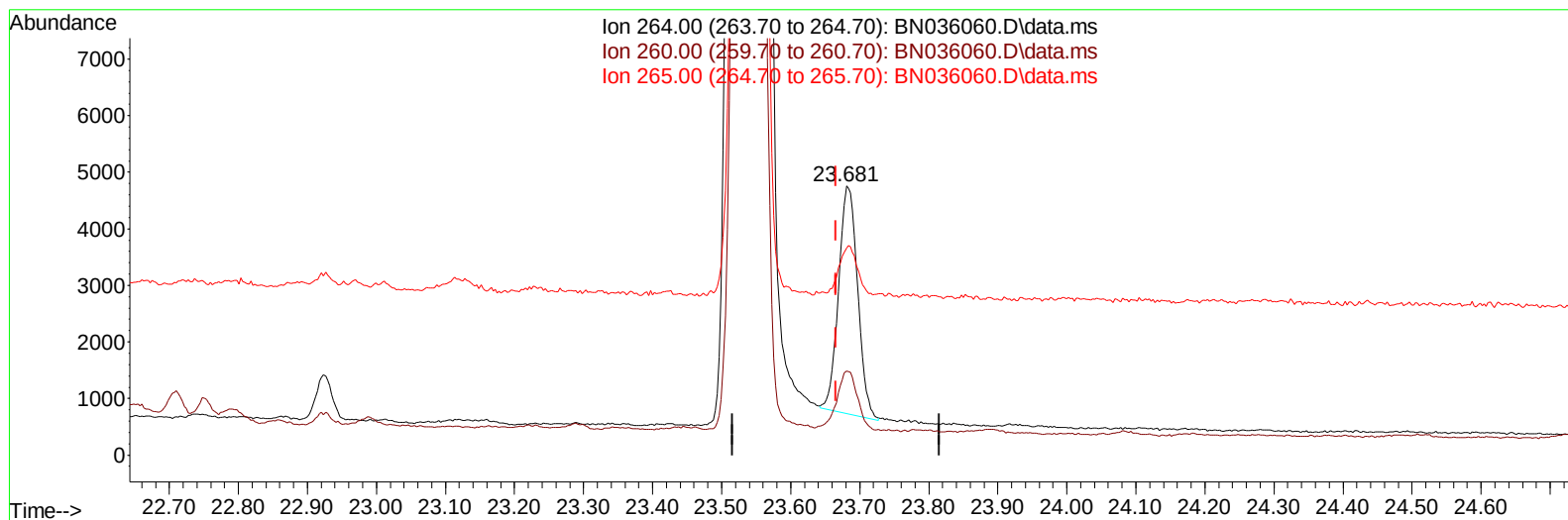
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN036060.D\data.ms

(23) Perylene-d12 (I)

23.681min (+ 0.015) 0.40 ng/ul m

response 7709

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	31.27
265.00	53.20	76.95#
0.00	0.00	0.00

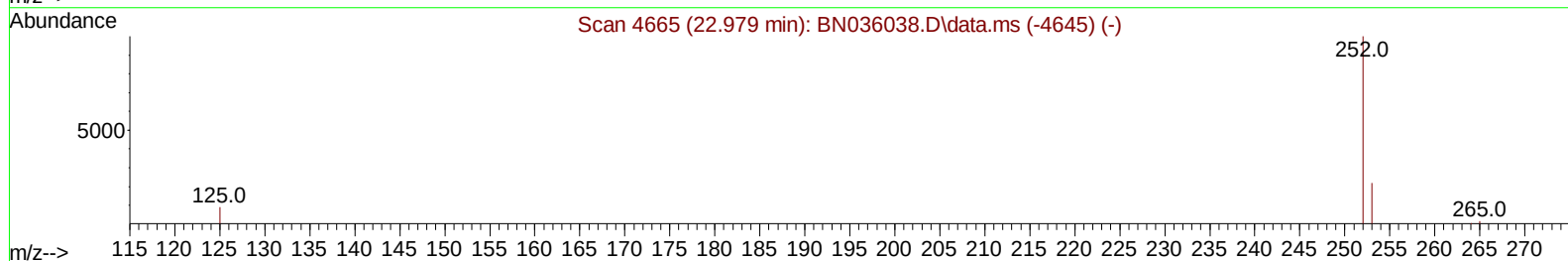
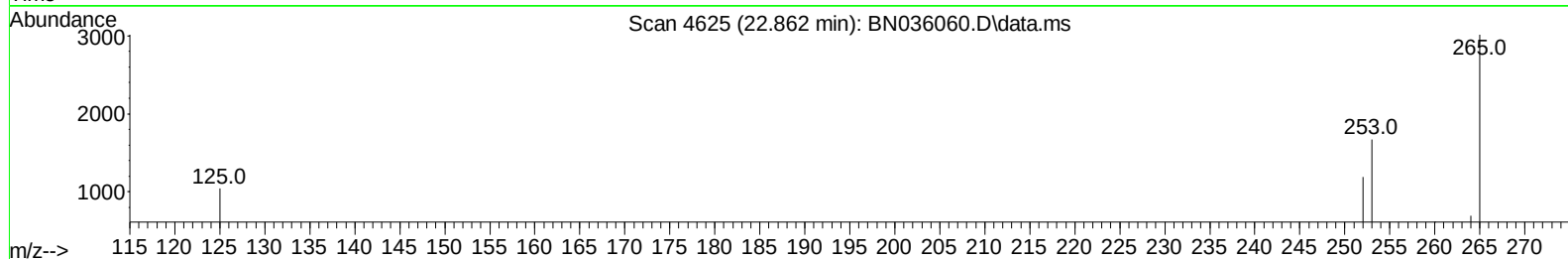
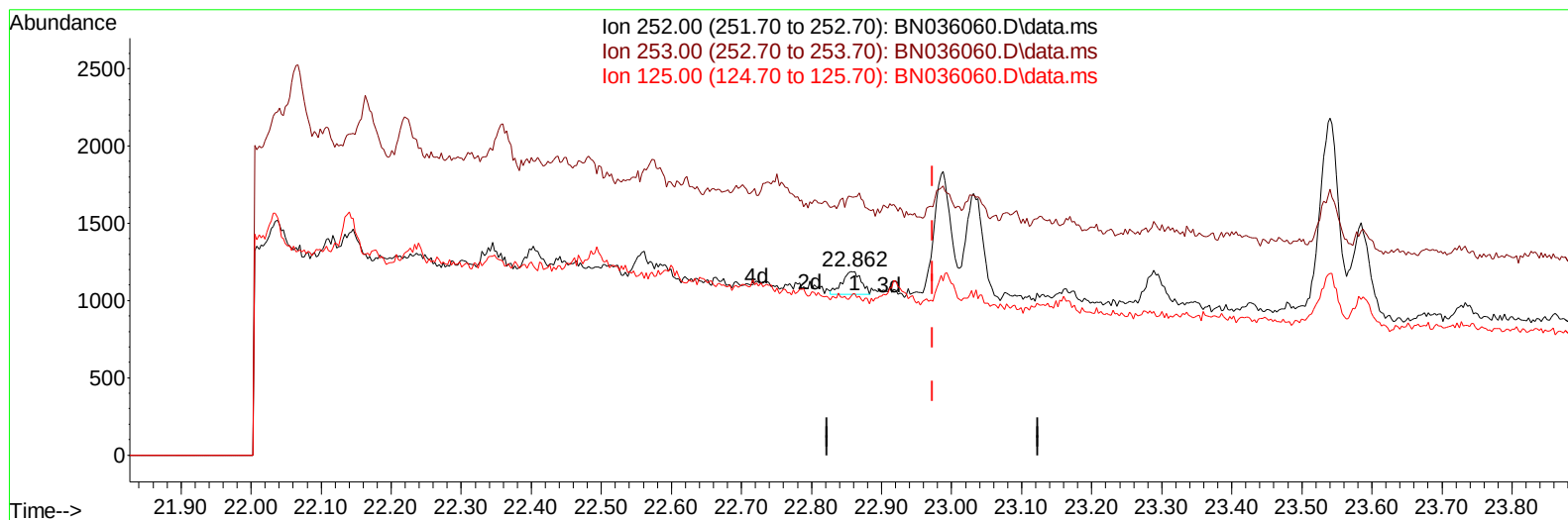
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
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TIC: BN036060.D\data.ms

(24) Benzo(b)fluoranthene

22.862min (-0.111) 0.01 ng/u1

response 276

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	140.74#
125.00	13.90	88.05#
0.00	0.00	0.00

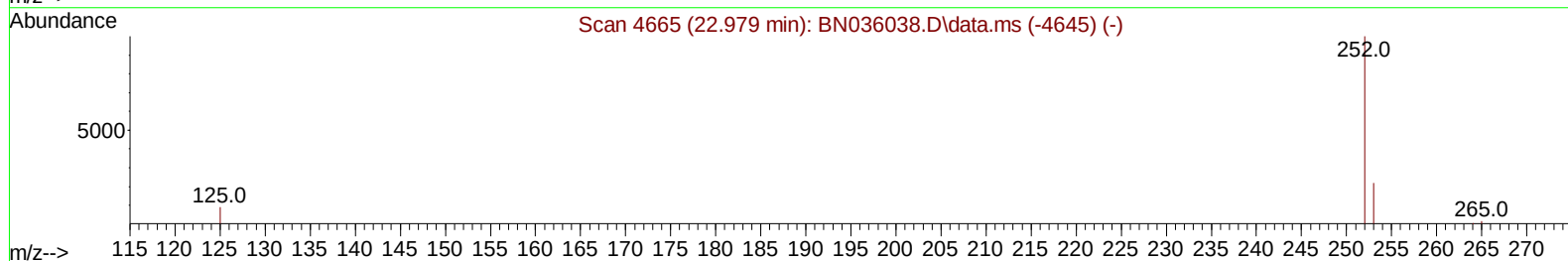
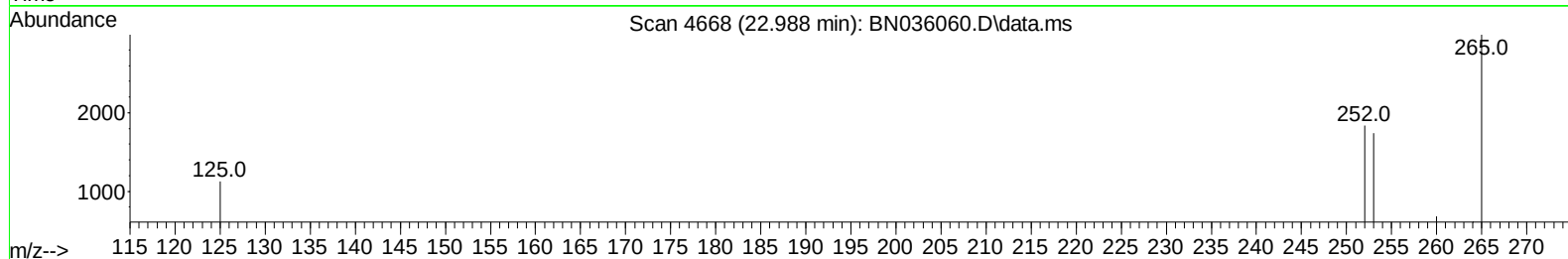
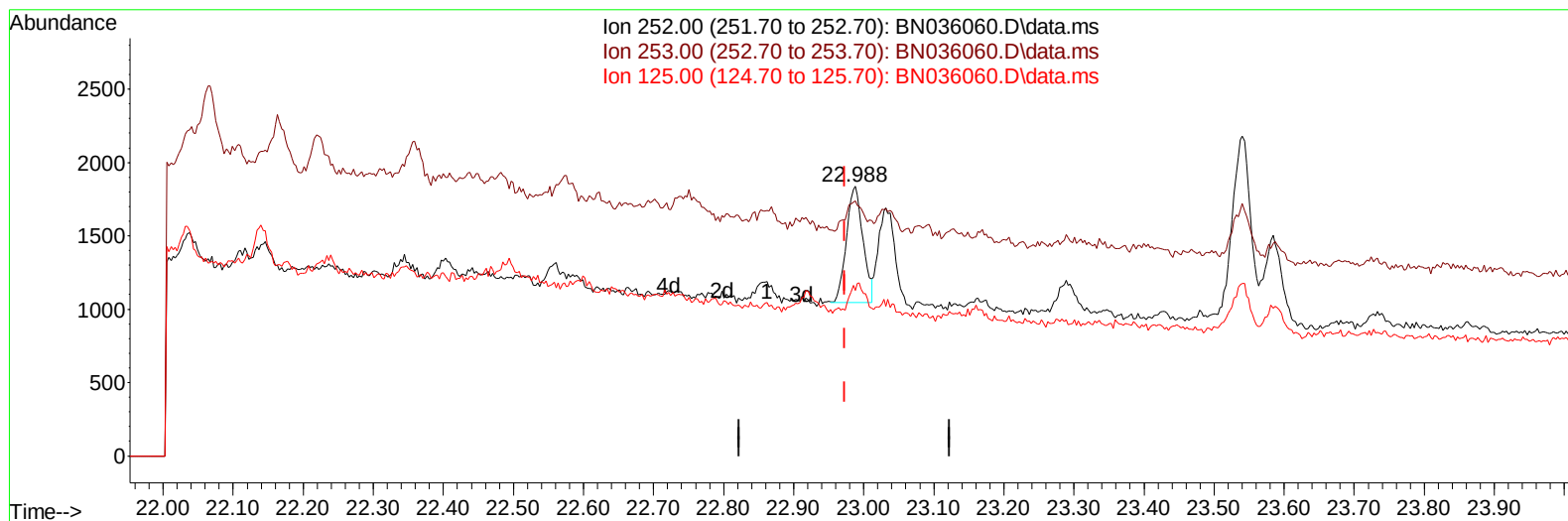
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 01/31/2025



TIC: BN036060.D\data.ms

(24) Benzo(b)fluoranthene

22.988min (+ 0.015) 0.05 ng/ul m

response 1302

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.60	94.72#
125.00	13.90	61.30#
0.00	0.00	0.00

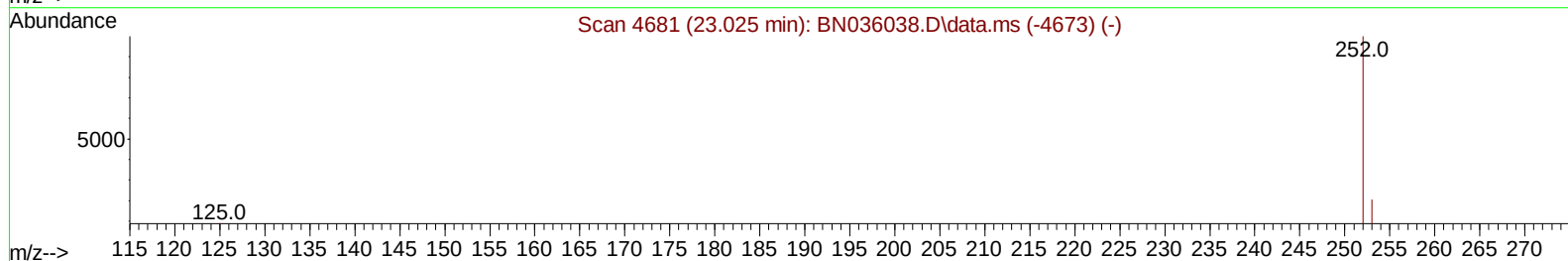
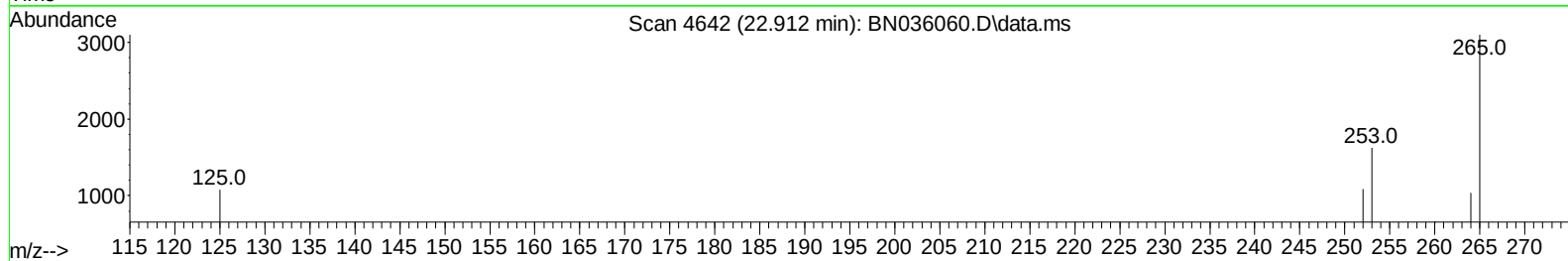
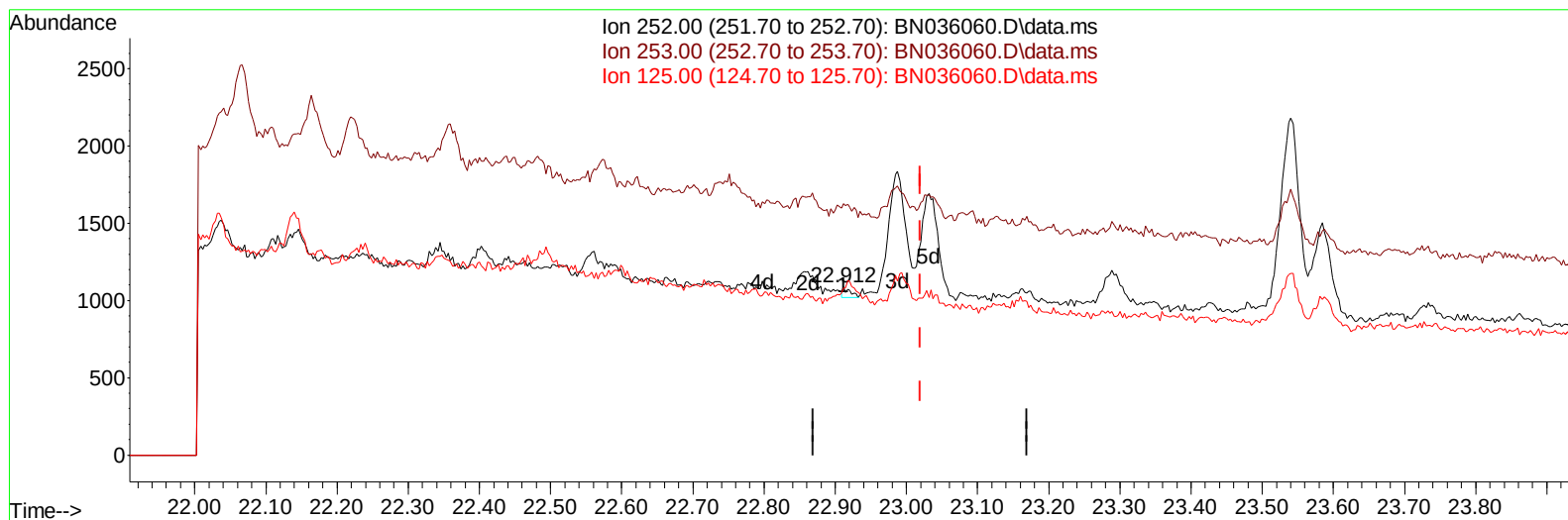
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration



TIC: BN036060.D\data.ms

(25) Benzo(k)fluoranthene

22.912min (-0.108) 0.00 ng/u1

response 48

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.30	149.63#
125.00	13.30	99.26#
0.00	0.00	0.00

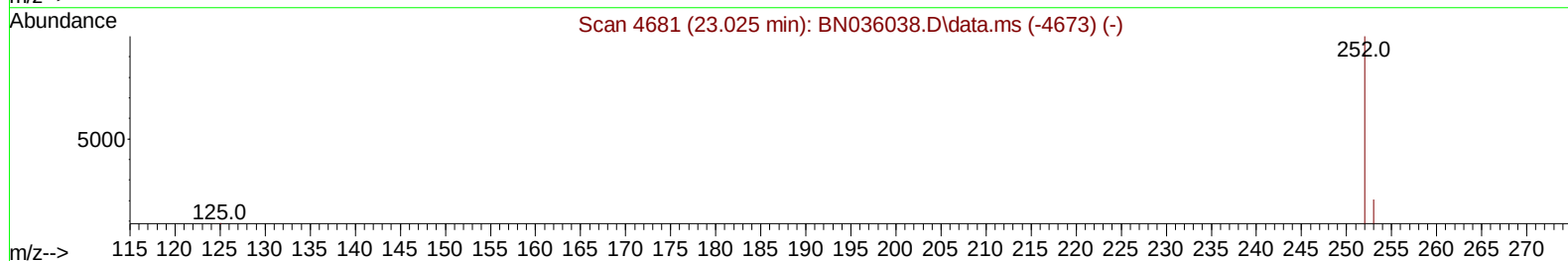
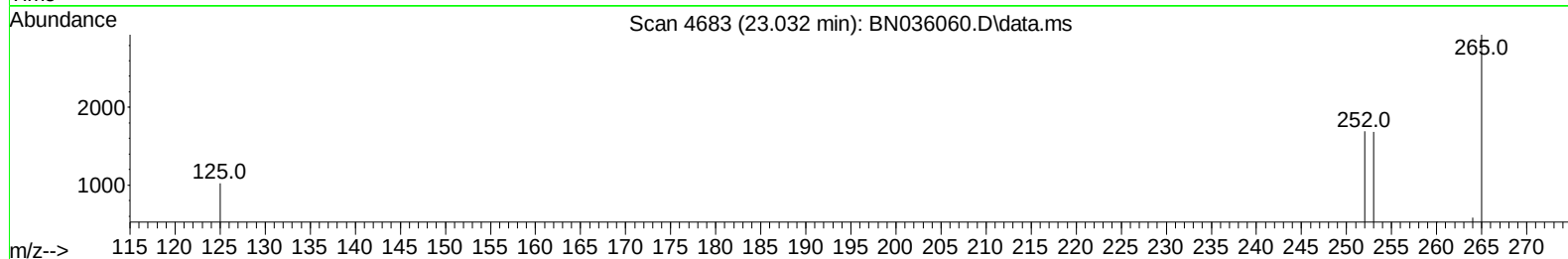
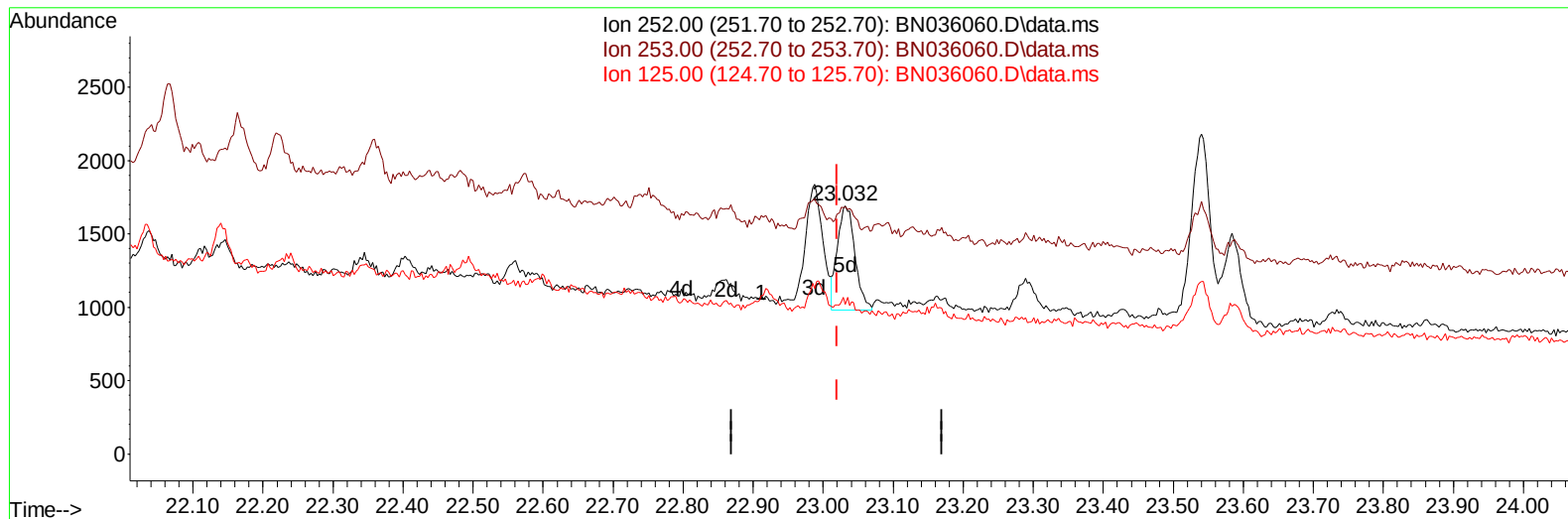
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
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TIC: BN036060.D\data.ms

(25) Benzo(k)fluoranthene

23.032min (+ 0.012) 0.05 ng/ul m

response 1239

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.30	99.70#
125.00	13.30	60.38#
0.00	0.00	0.00

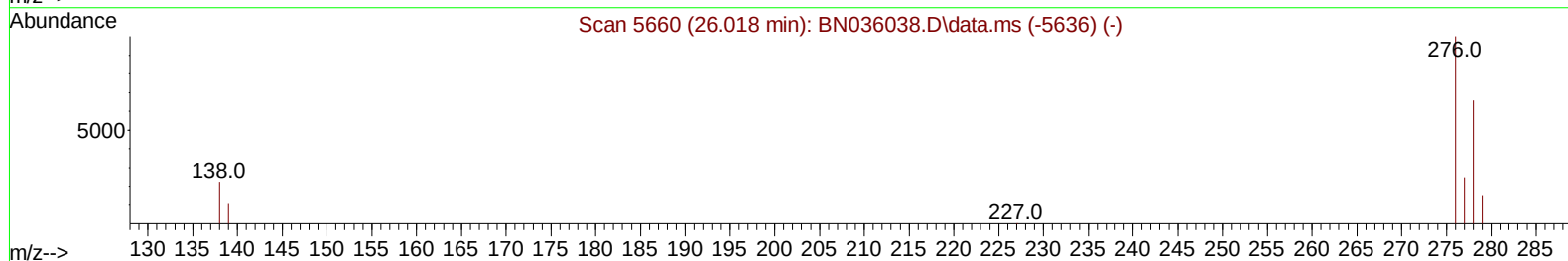
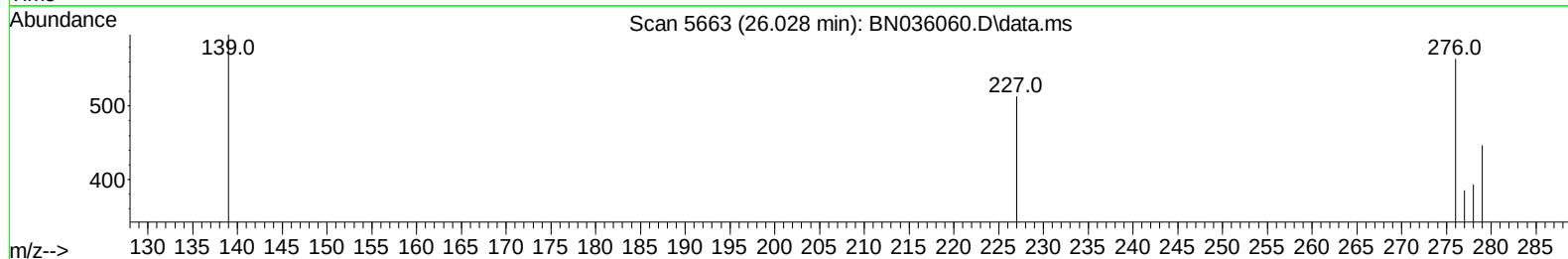
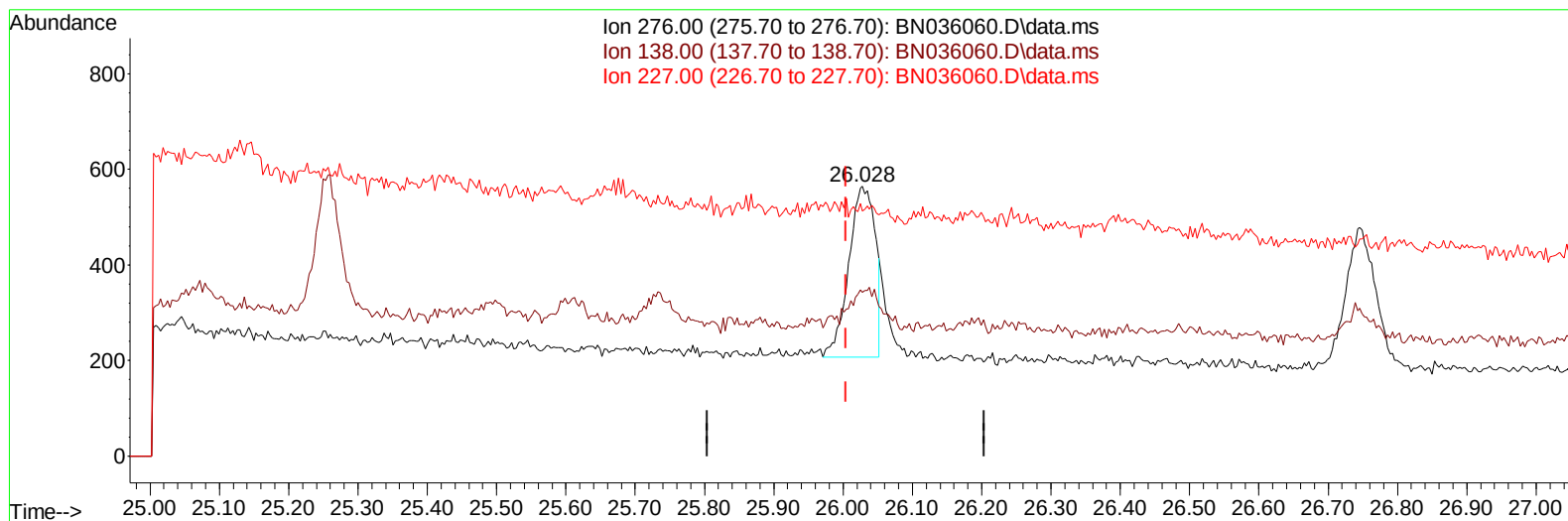
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN036060.D\data.ms

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

26.028min (+ 0.024) 0.03 ng/u1

response 942

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.30	0.00#
227.00	0.10	0.96#
0.00	0.00	0.00

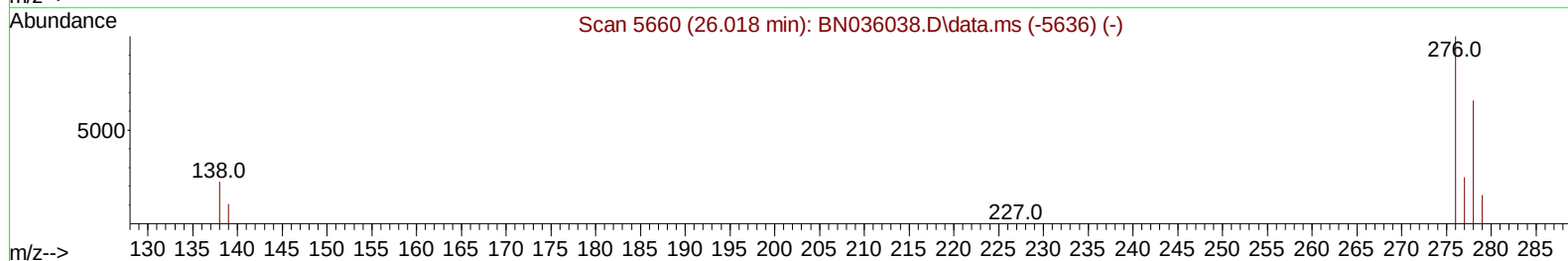
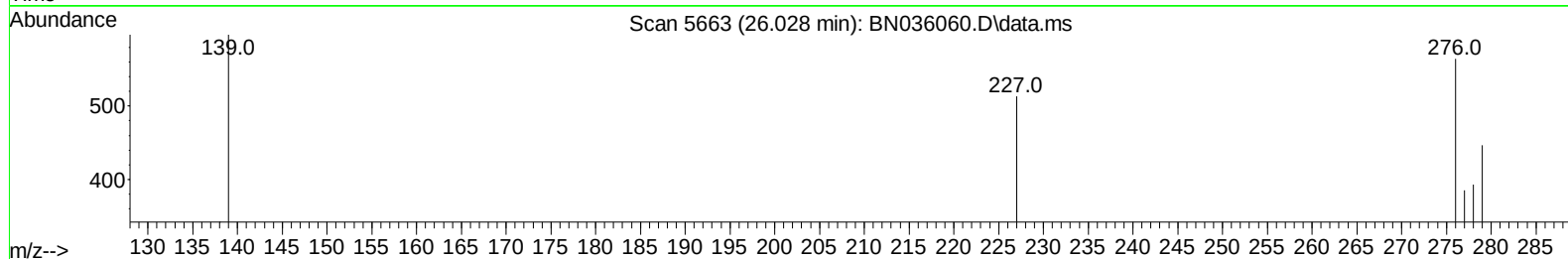
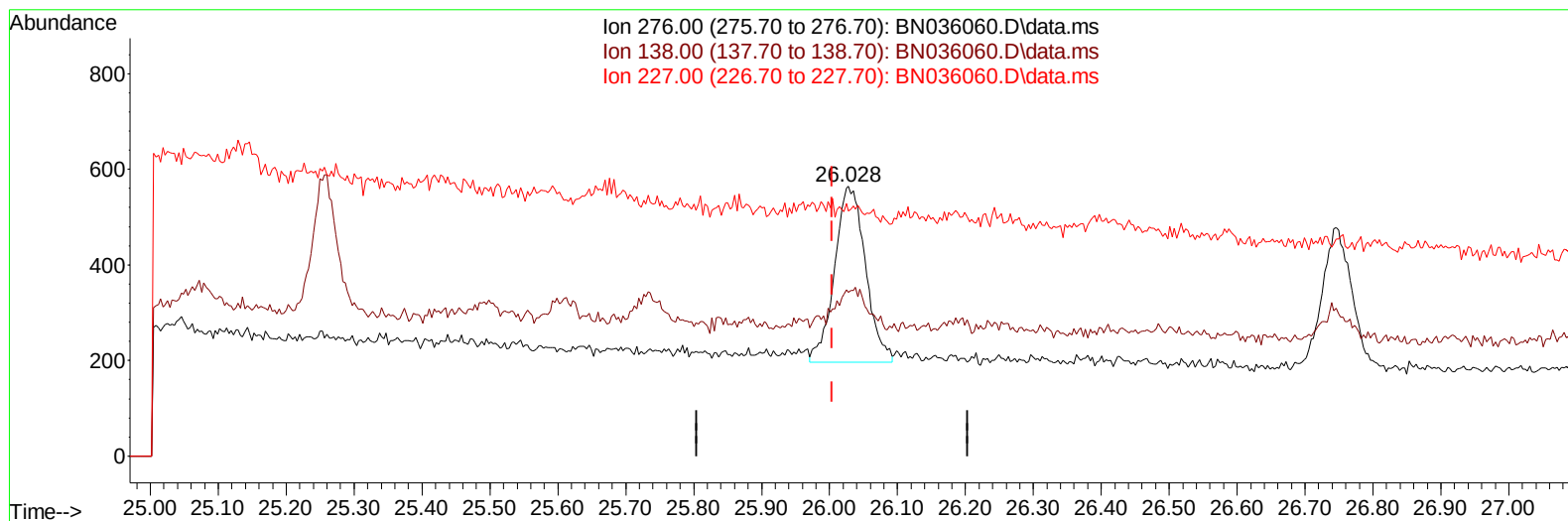
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
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TIC: BN036060.D\data.ms

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

26.028min (+ 0.024) 0.04 ng/u1 m

response 1160

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	25.30	0.00#
227.00	0.10	0.78#
0.00	0.00	0.00

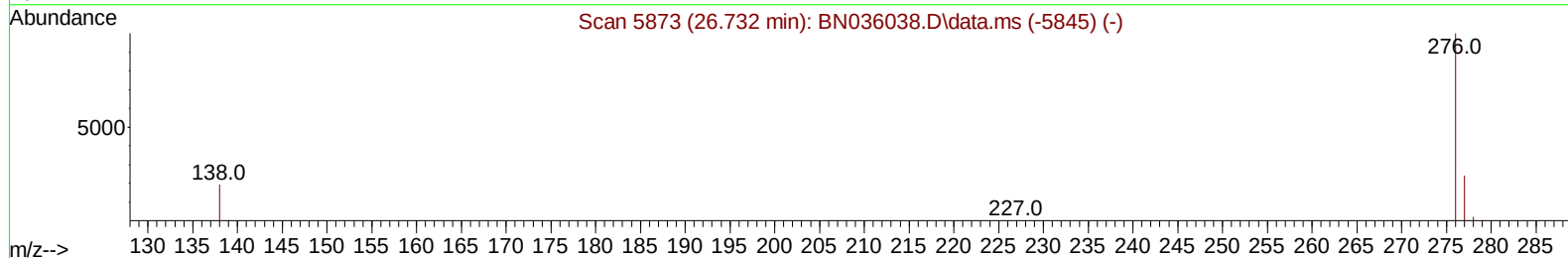
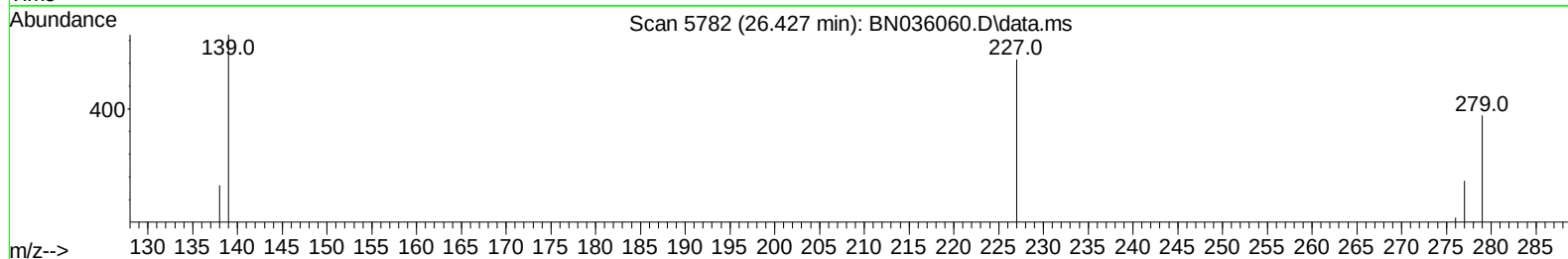
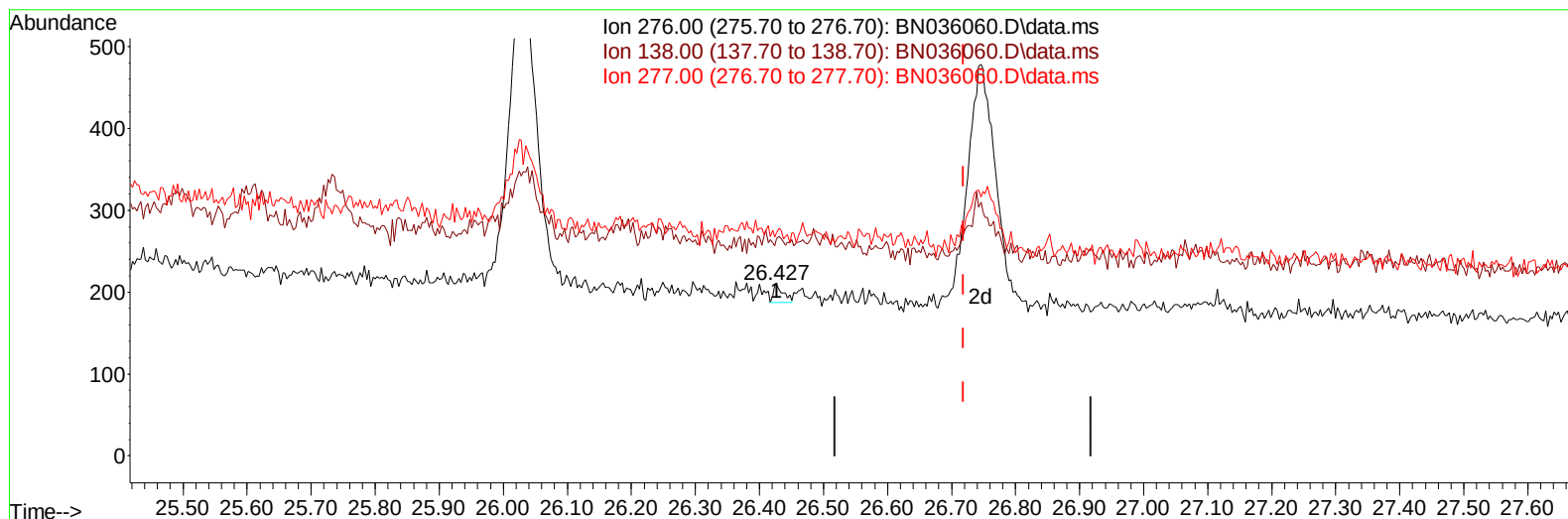
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
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TIC: BN036060.D\data.ms

(29) Benzo(g,h,i)perylene

26.427min (-0.291) 0.00 ng/u1

response 25

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.20	127.27#
277.00	26.40	130.62#
0.00	0.00	0.00

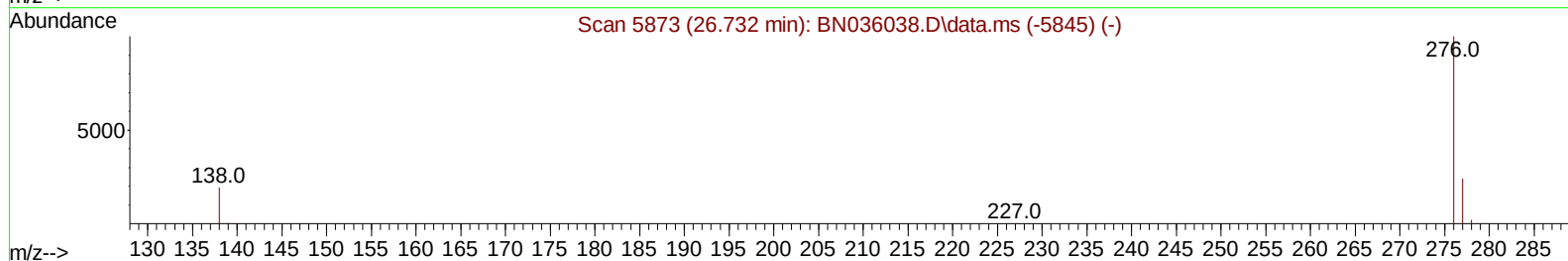
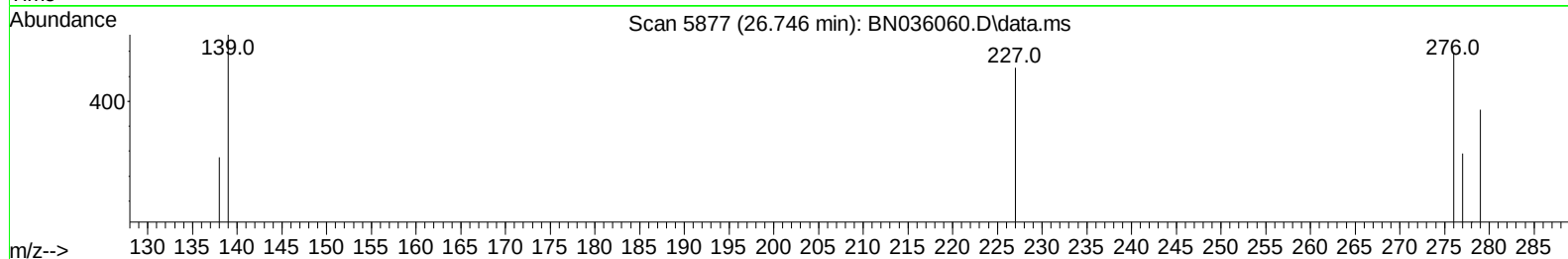
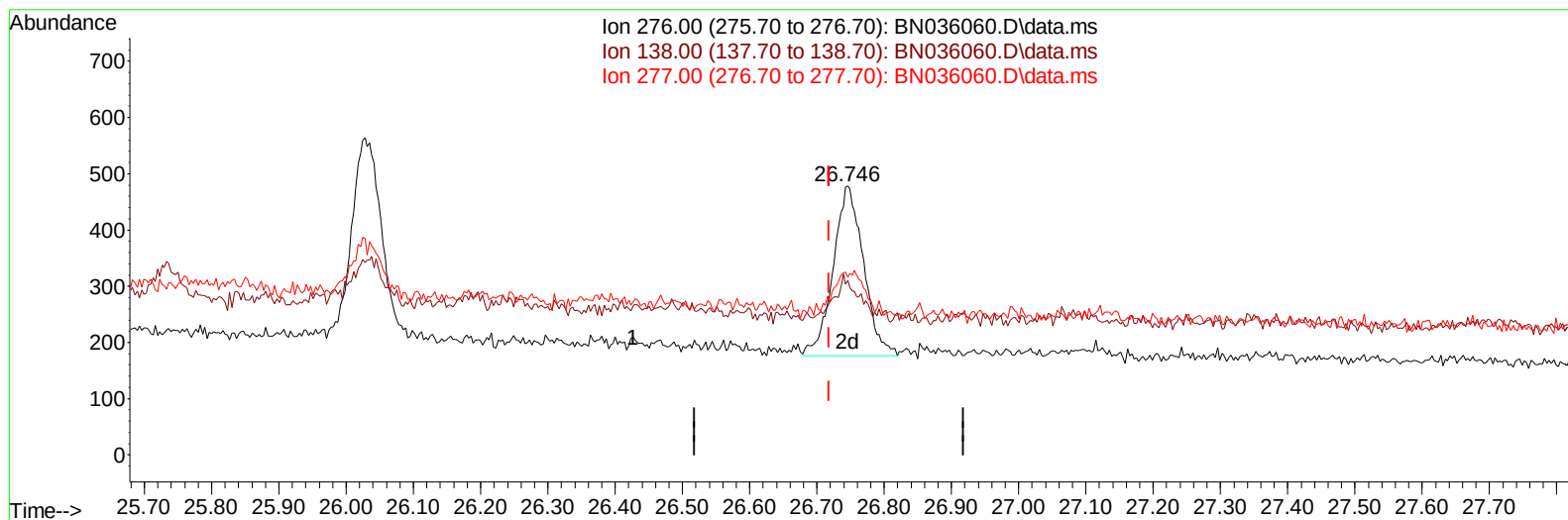
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration



TIC: BN036060.D\data.ms

(29) Benzo(g,h,i)perylene

26.746min (+ 0.027) 0.04 ng/u1 m

response 953

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.20	64.85#
277.00	26.40	66.11#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
 Data File : BN036060.D
 Acq On : 28 Jan 2025 05:50
 Operator : RC/JU
 Sample : Q1174-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E2938

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
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Quant Time: Jan 28 06:18:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 21 23:52:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	2780	0.400	ng/ul	0.00
4) Naphthalene-d8	10.638	136	14593m	0.400	ng/ul	0.03
9) Acenaphthene-d10	14.464	164	17150	0.400	ng/ul	# 0.01
13) Phenanthrene-d10	17.195	188	9718m	0.400	ng/ul	0.00
17) Chrysene-d12	21.380	240	9723	0.400	ng/ul	# 0.00
23) Perylene-d12	23.681	264	7709m	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	12526	4.115	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.211	152	5715	0.310	ng/ul	0.01
18) Fluoranthene-d10	19.224	212	8781	0.329	ng/ul	0.00
Target Compounds						
					Qvalue	
8) 1-Methylnaphthalene	12.502	142	32180	1.270	ng/ul	94
10) Acenaphthylene	14.186	152	5028	0.062	ng/ul#	31
11) Acenaphthene	14.524	153	46693	0.785	ng/ul#	78
12) Fluorene	15.505	166	19091	0.291	ng/ul#	94
14) Pentachlorophenol	16.853	266	1239	0.364	ng/ul	94
15) Phenanthrene	17.237	178	53032	1.864	ng/ul#	93
16) Anthracene	17.326	178	12976	0.491	ng/ul#	42
19) Fluoranthene	19.257	202	14307	0.387	ng/ul#	83
20) Pyrene	19.619	202	10669	0.277	ng/ul#	76
21) Benzo(a)anthracene	21.363	228	1943	0.056	ng/ul#	1
22) Chrysene	21.415	228	2383	0.067	ng/ul#	1
24) Benzo(b)fluoranthene	22.988	252	1302m	0.051	ng/ul	
25) Benzo(k)fluoranthene	23.032	252	1239m	0.046	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.028	276	1160m	0.038	ng/ul	
29) Benzo(g,h,i)perylene	26.746	276	953m	0.040	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012725\
Data File : BN036060.D
Acq On : 28 Jan 2025 05:50
Operator : RC/JU
Sample : Q1174-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E2938

Manual IntegrationsAPPROVED

Quant Time: Jan 28 06:18:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 21 23:52:22 2025
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

