

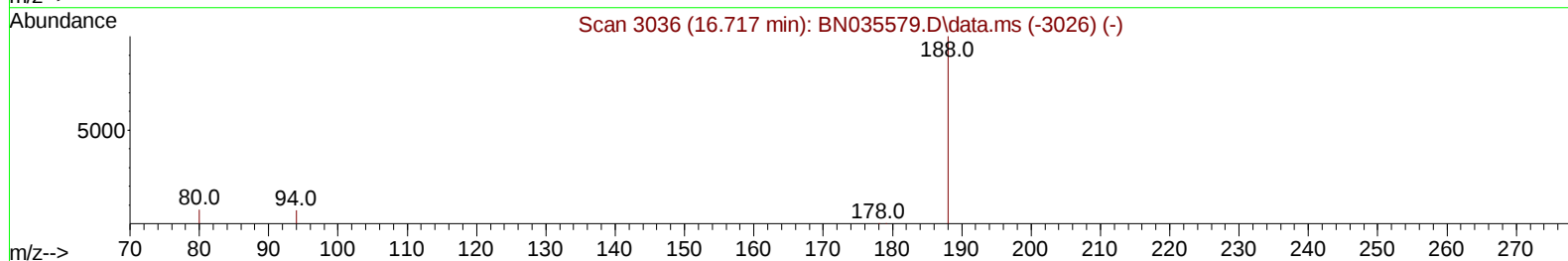
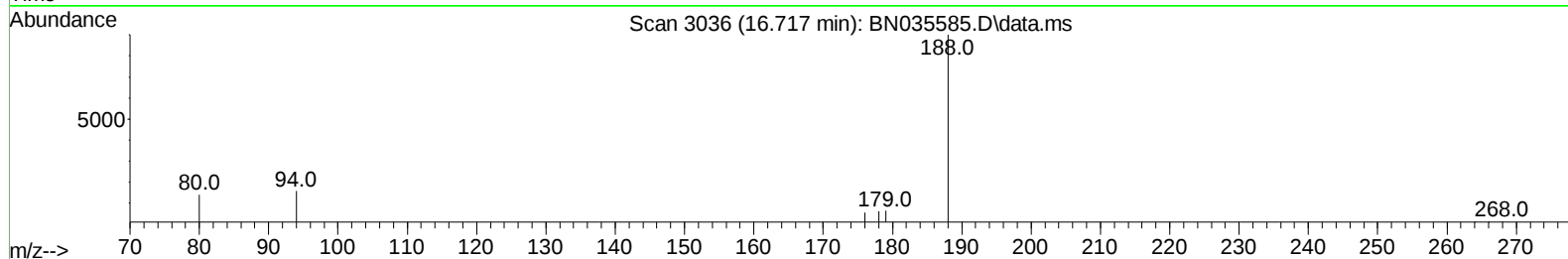
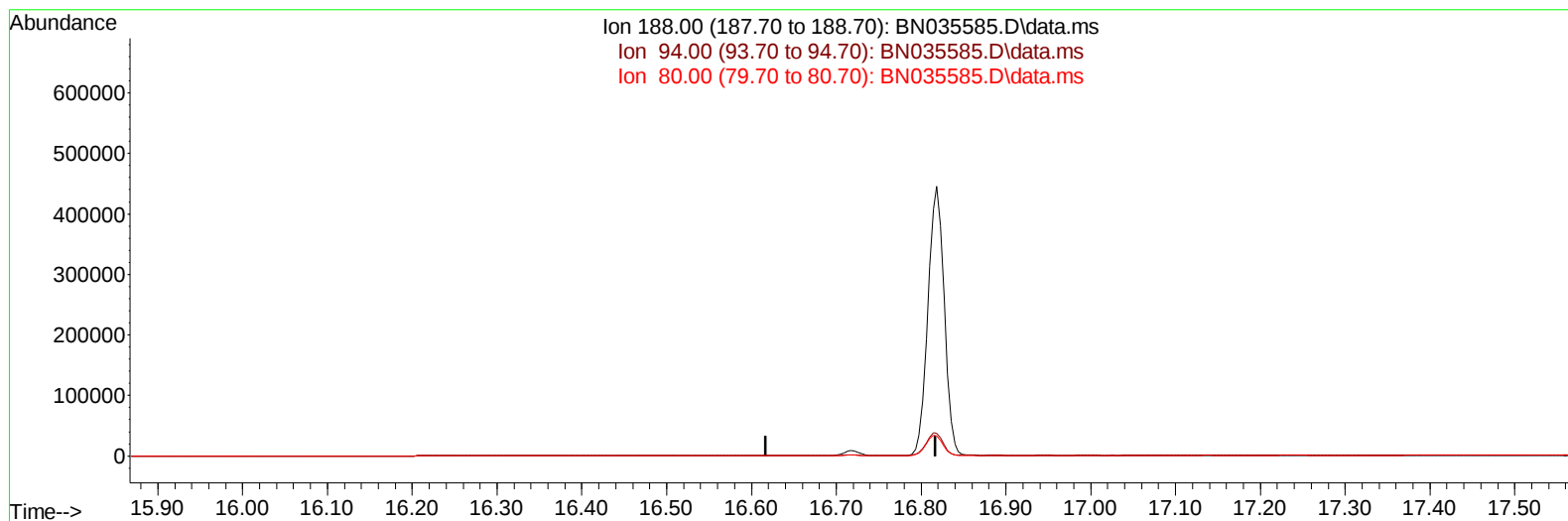
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(13) Phenanthrene-d10 (I)

16.717min (-16.717) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	7.00	0.00#
80.00	7.60	0.00#
0.00	0.00	0.00

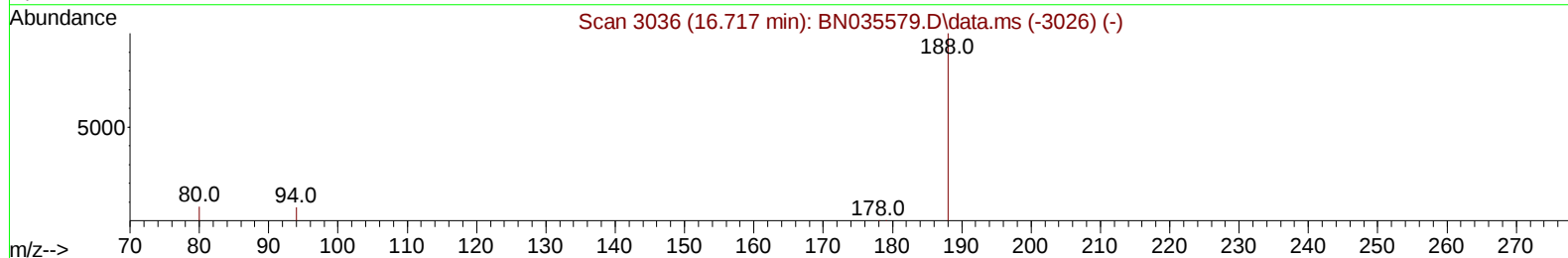
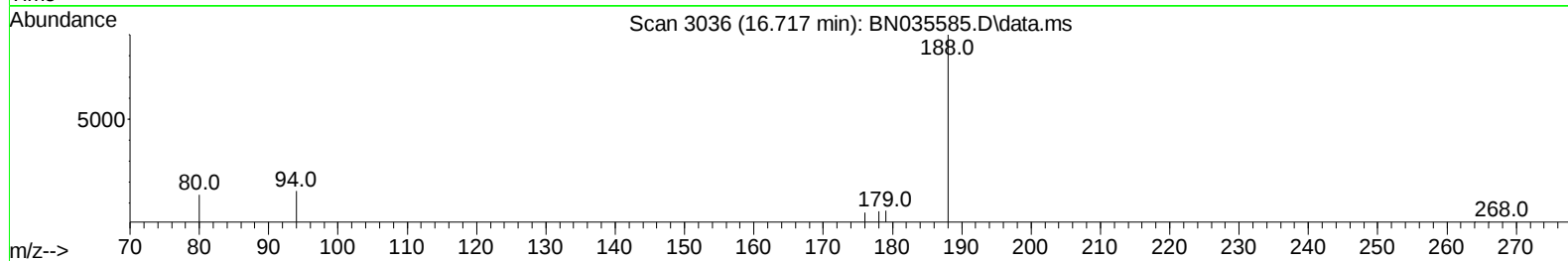
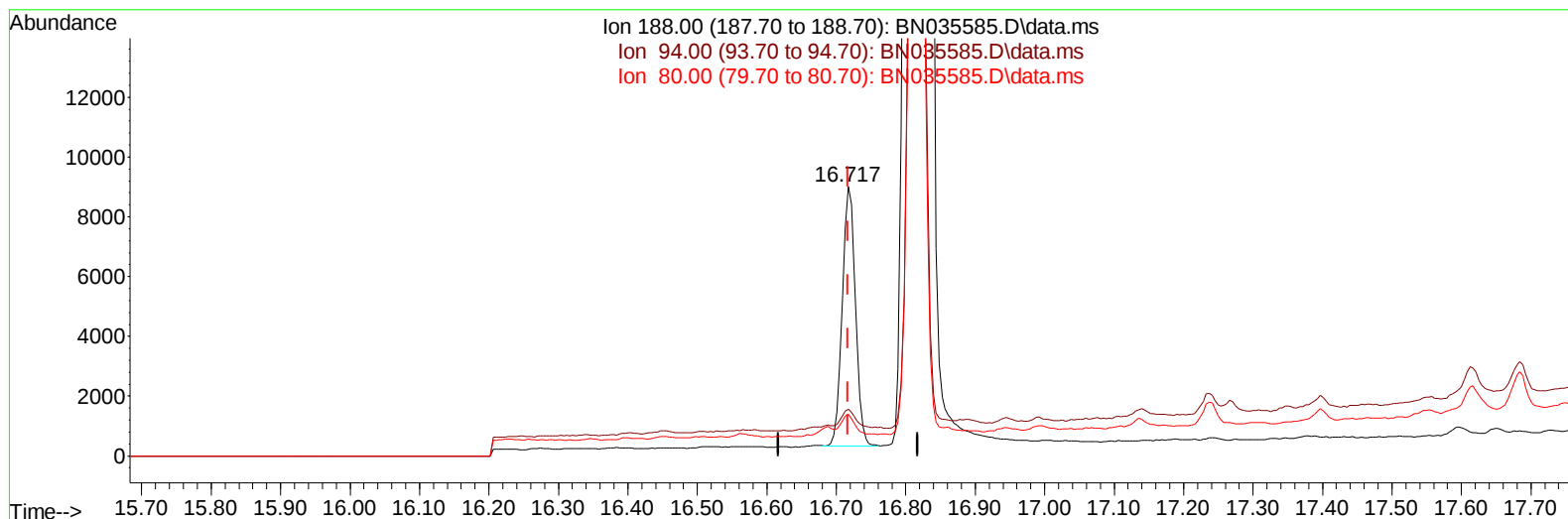
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(13) Phenanthrene-d10 (I)

16.717min (+ 0.000) 0.40 ng/ul m

response 11429

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	17.24#
80.00	7.60	15.46#
0.00	0.00	0.00

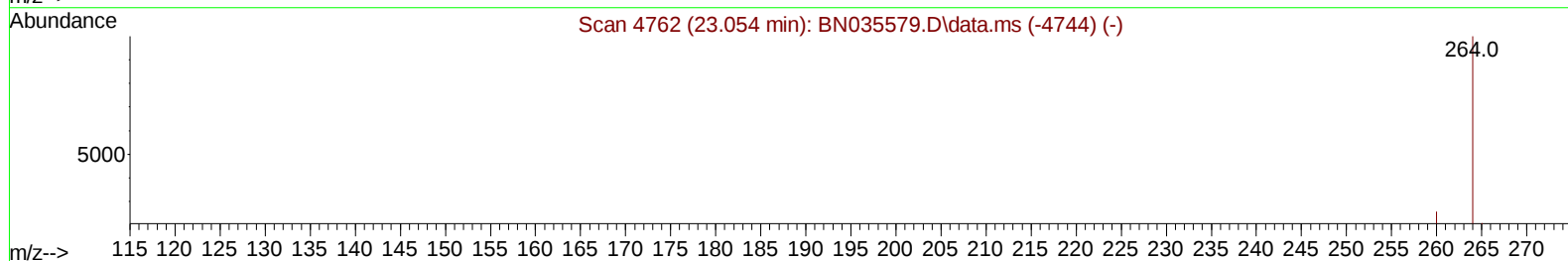
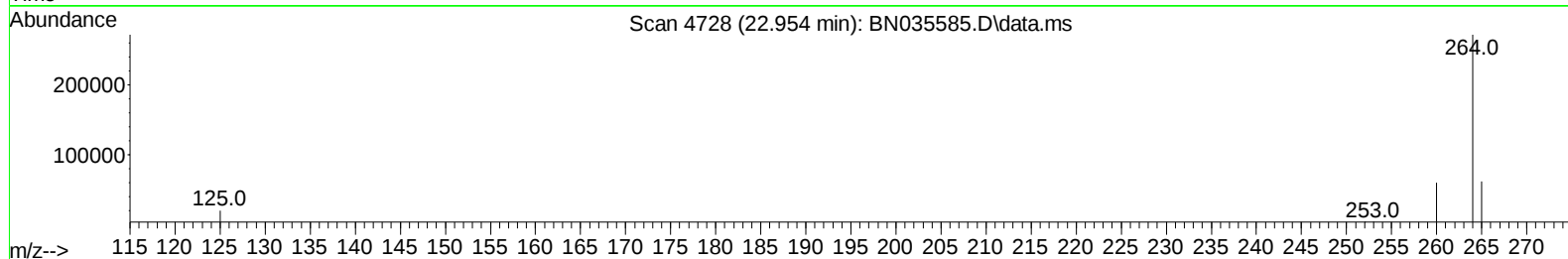
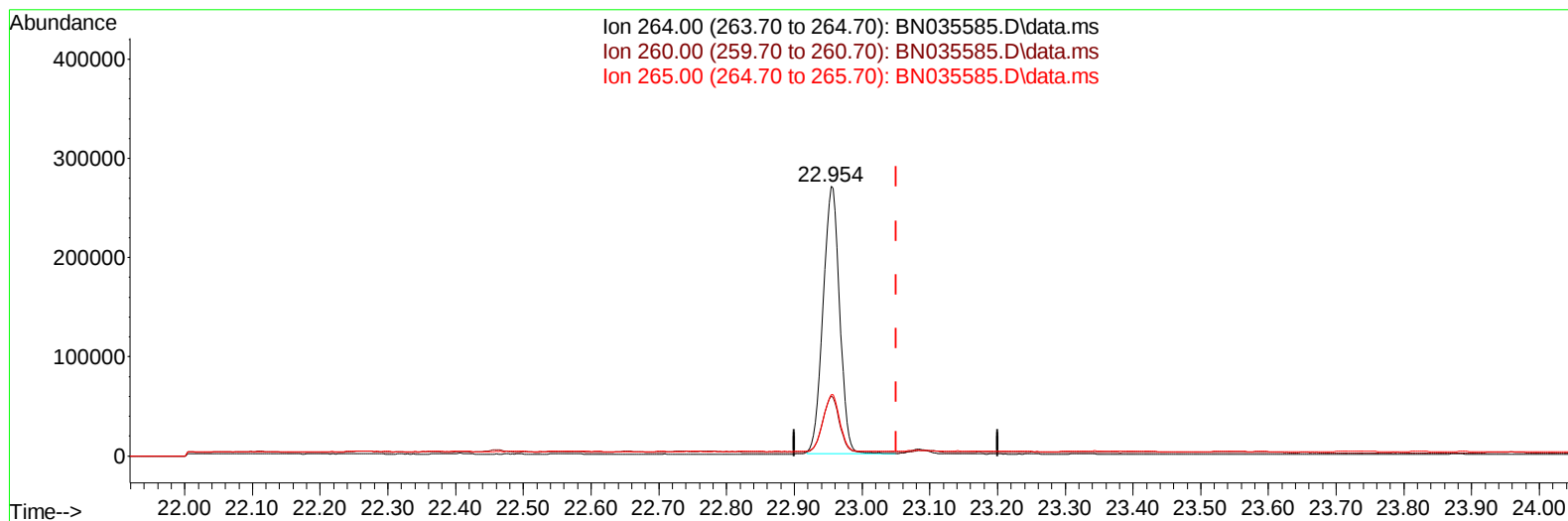
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(23) Perylene-d12 (I)

22.954min (-0.096) 0.40 ng/u1

response 456735

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	22.25
265.00	75.50	22.71#
0.00	0.00	0.00

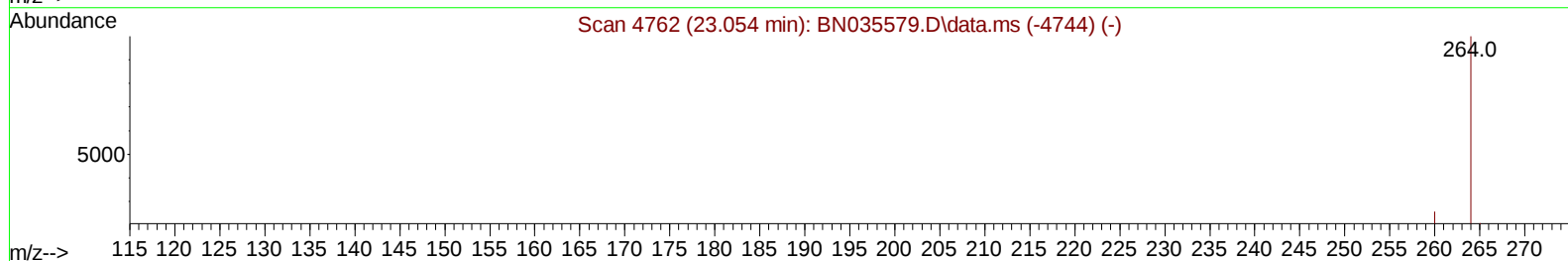
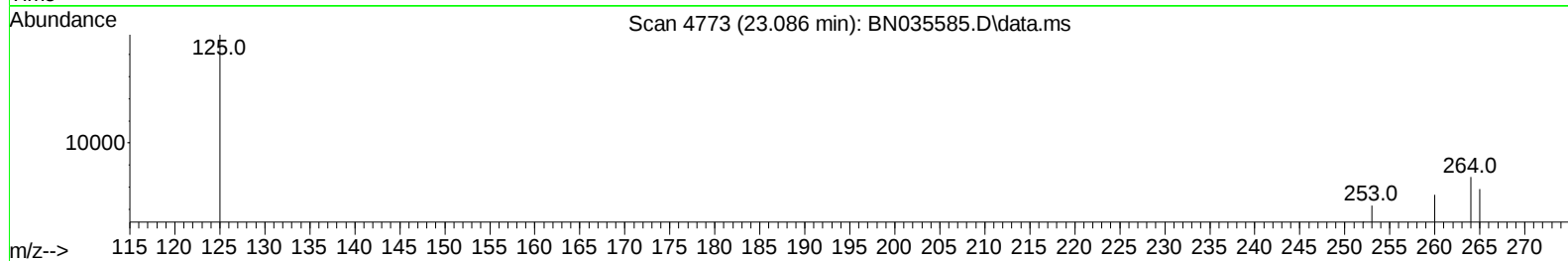
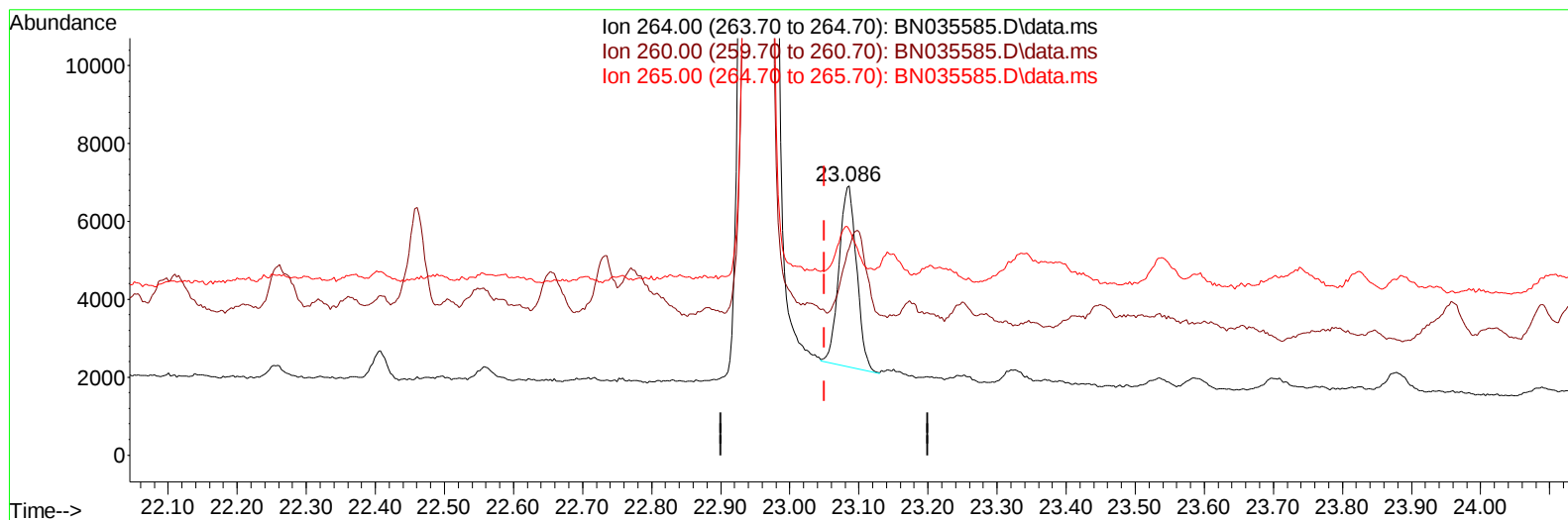
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(23) Perylene-d12 (I)

23.086min (+ 0.035) 0.40 ng/ul m

response 8238

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	77.06#
265.00	75.50	83.90
0.00	0.00	0.00

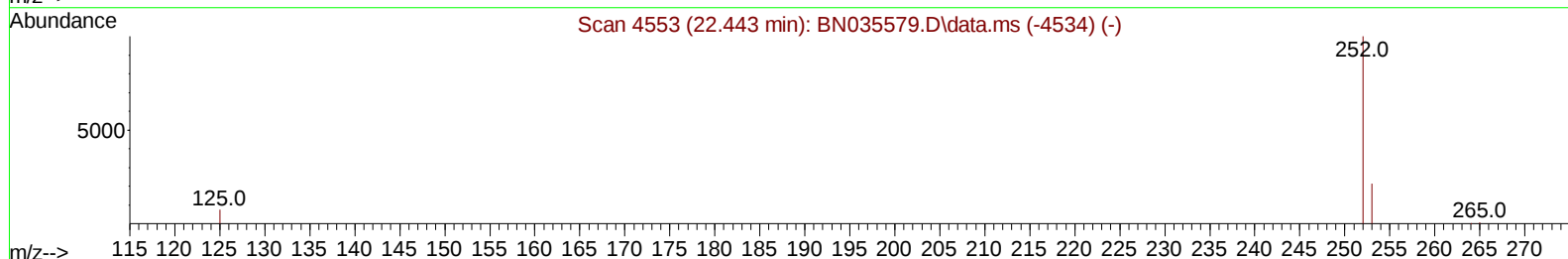
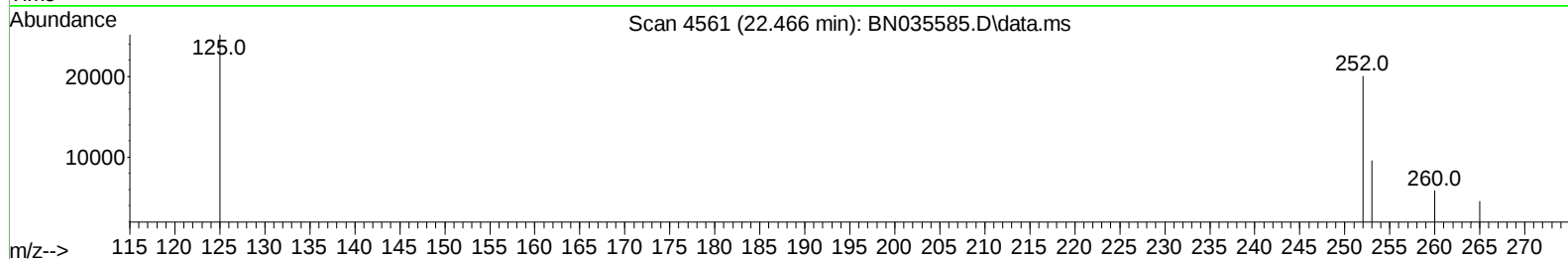
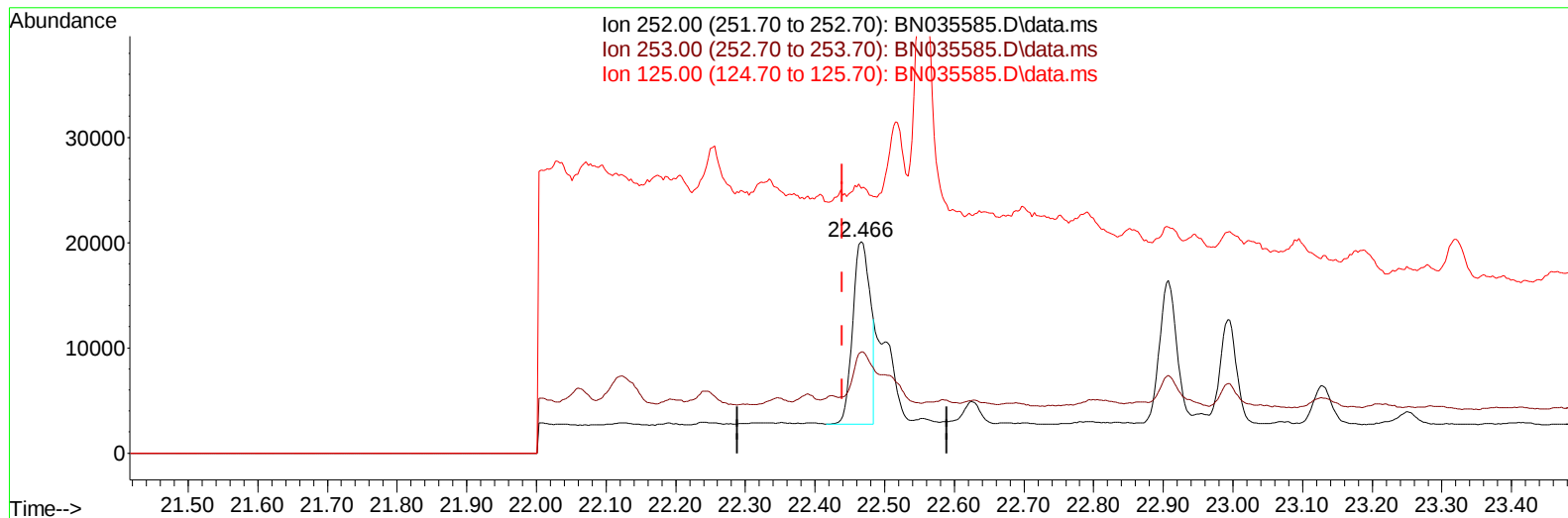
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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Reviewed By :Yogesh Patel 12/13/2024
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TIC: BN035585.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (+ 0.026) 1.11 ng/u1

response 30204

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	47.98
125.00	9.70	125.48#
0.00	0.00	0.00

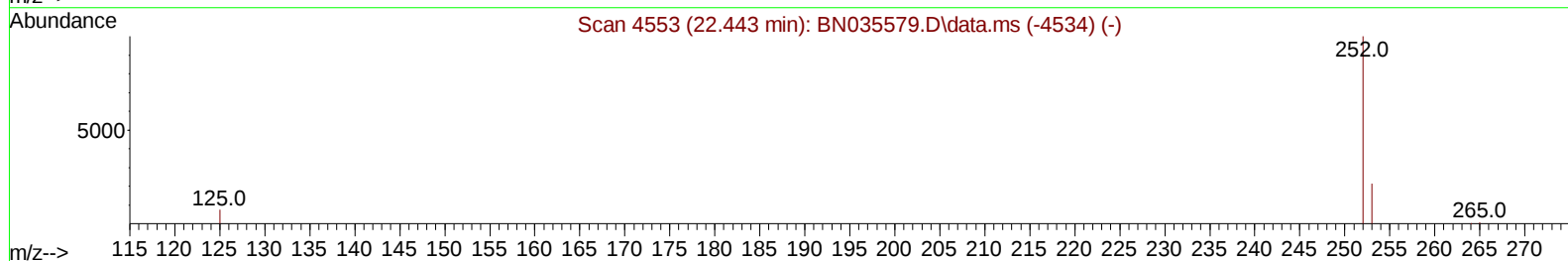
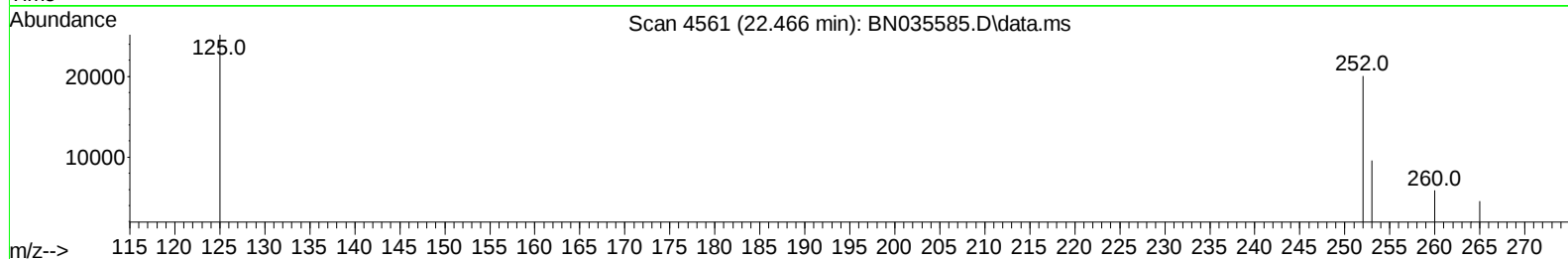
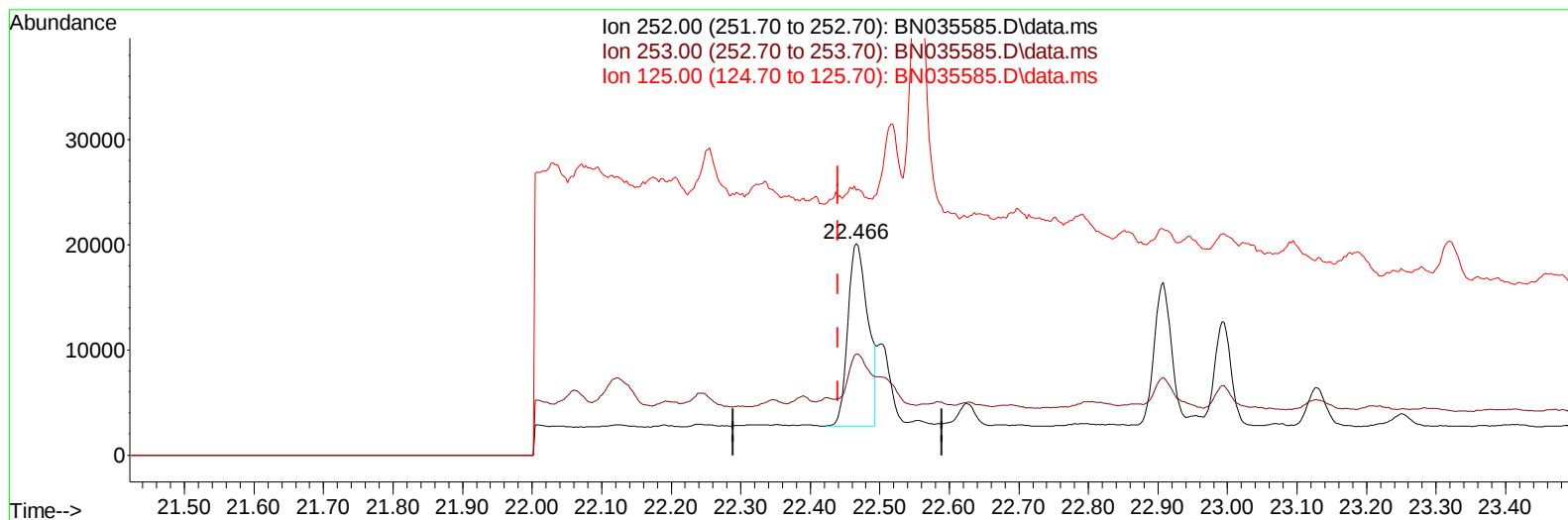
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(24) Benzo(b)fluoranthene

22.466min (+ 0.026) 1.27 ng/u1 m

response 34656

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	47.98
125.00	9.70	125.48#
0.00	0.00	0.00

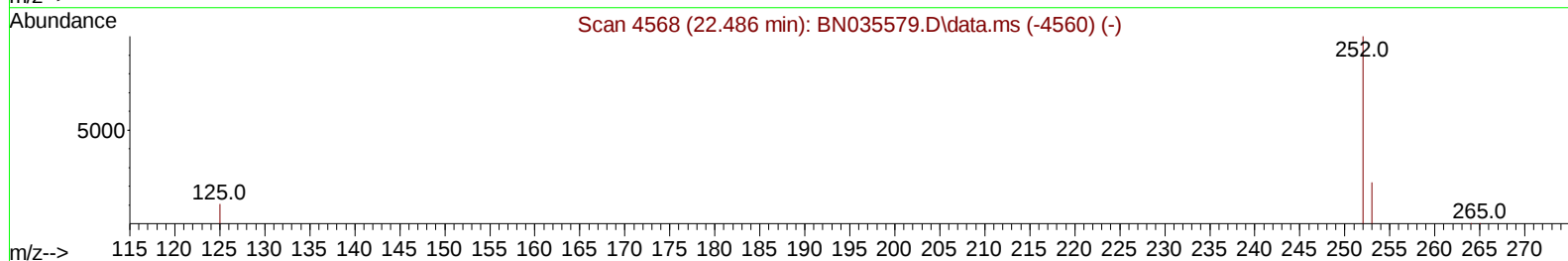
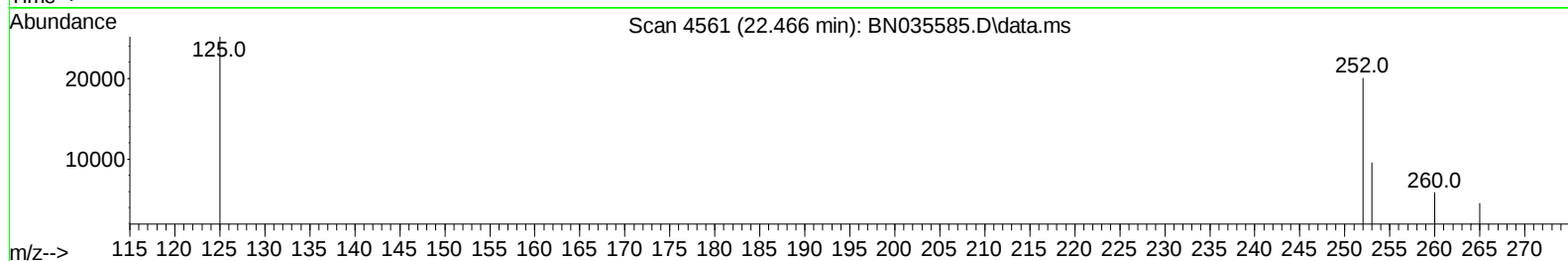
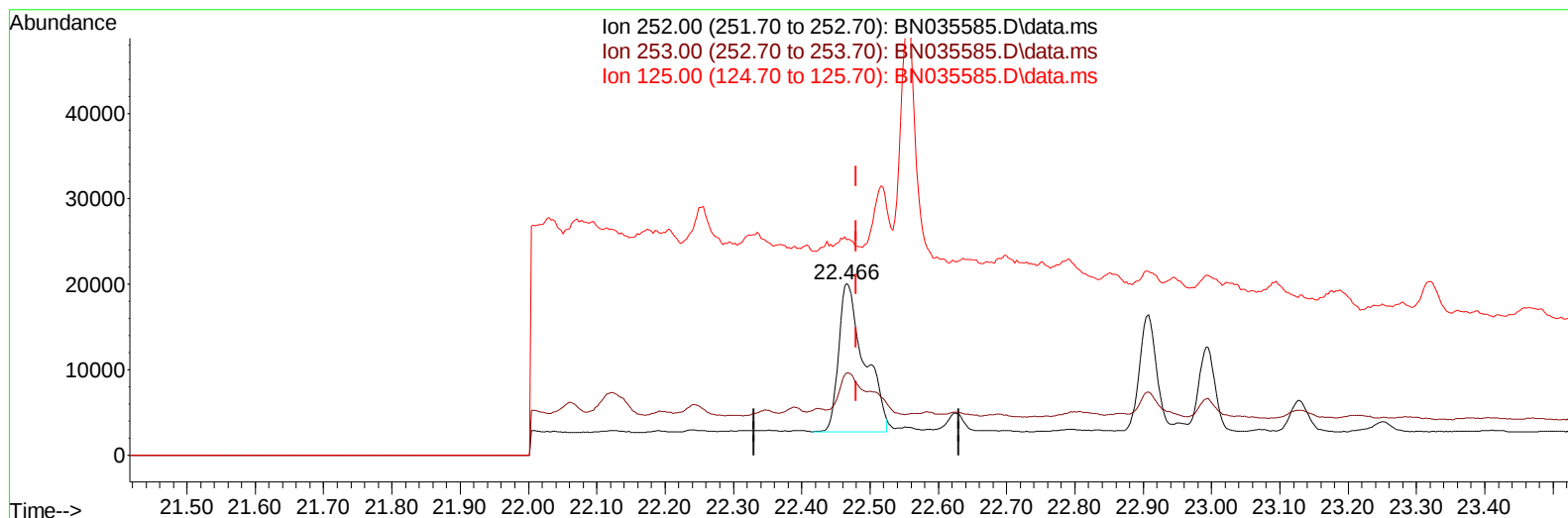
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Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(25) Benzo(k)fluoranthene

22.466min (-0.014) 1.61 ng/u1

response 45176

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	47.98#
125.00	10.70	125.48#
0.00	0.00	0.00

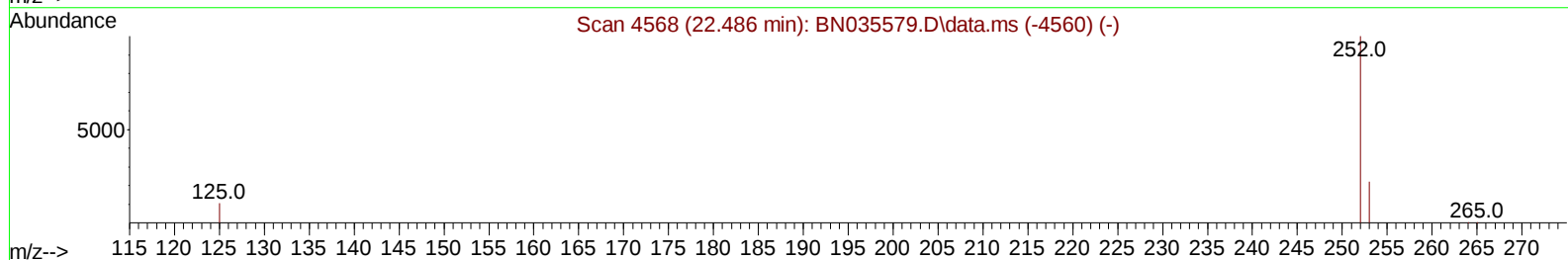
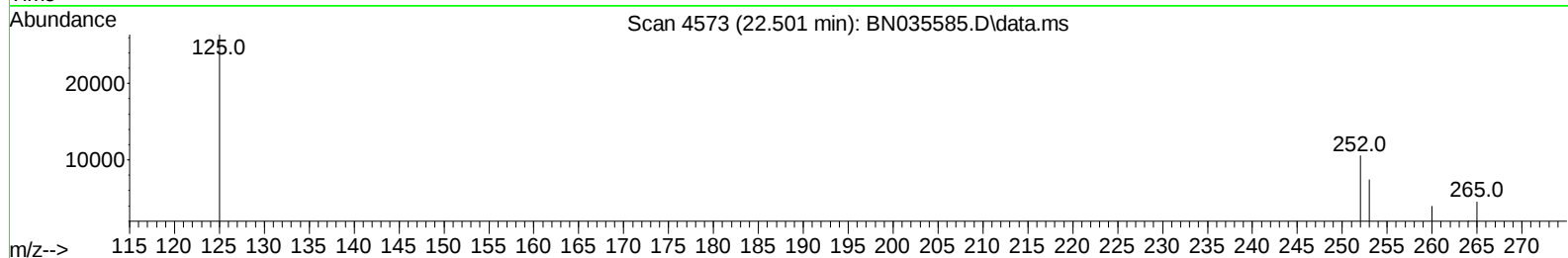
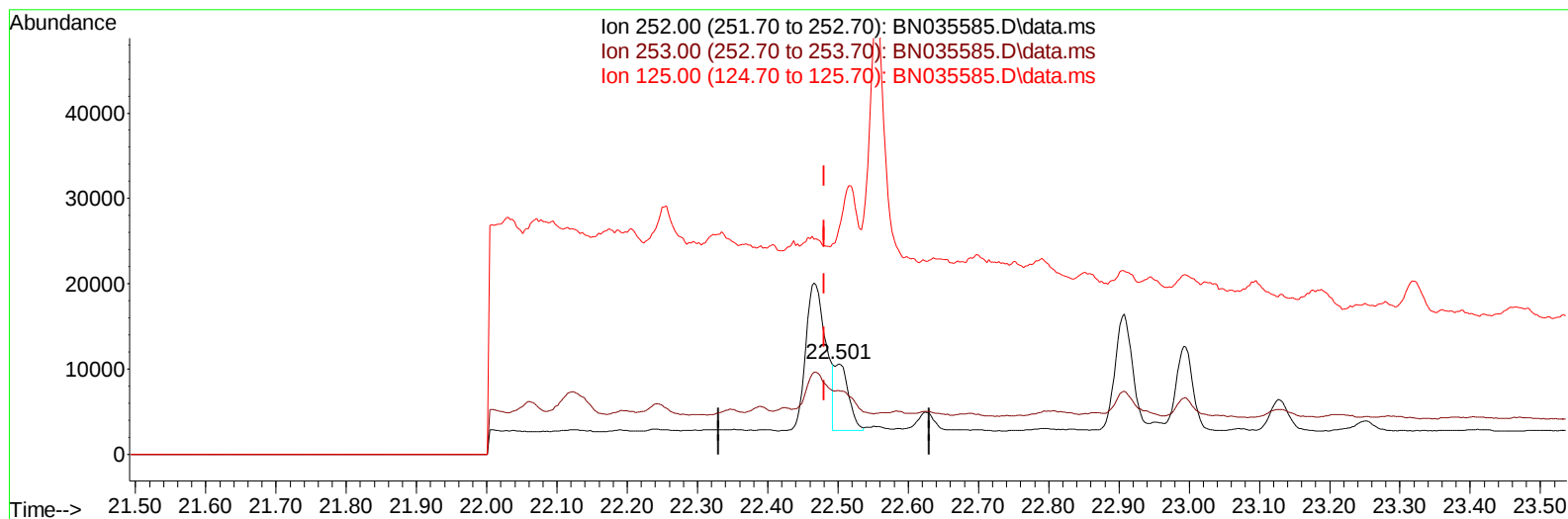
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(25) Benzo(k)fluoranthene

22.501min (+ 0.021) 0.39 ng/u1 m

response 10986

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	70.51#
125.00	10.70	249.26#
0.00	0.00	0.00

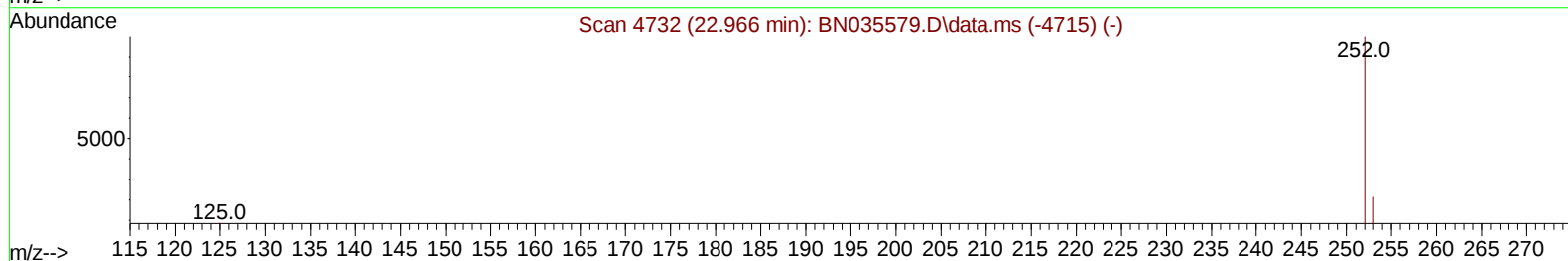
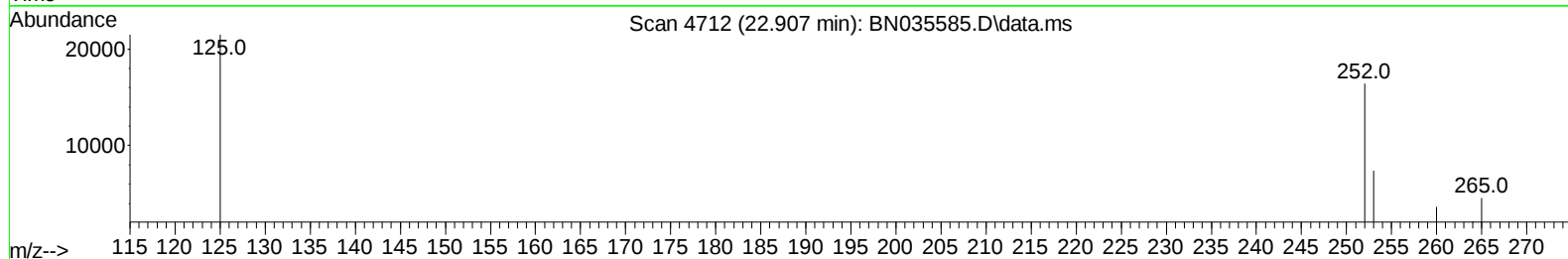
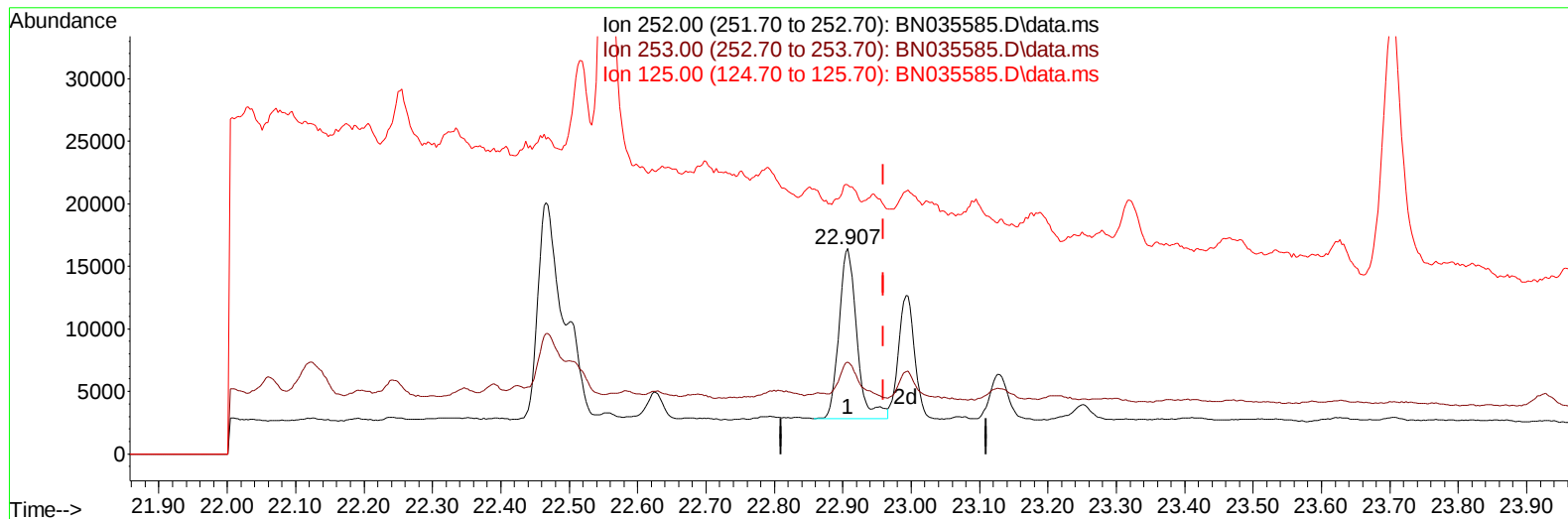
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
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TIC: BN035585.D\data.ms

(26) Benzo(a)pyrene (C)

22.907min (-0.053) 1.00 ng/u1

response 24838

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	44.88#
125.00	11.80	130.90#
0.00	0.00	0.00

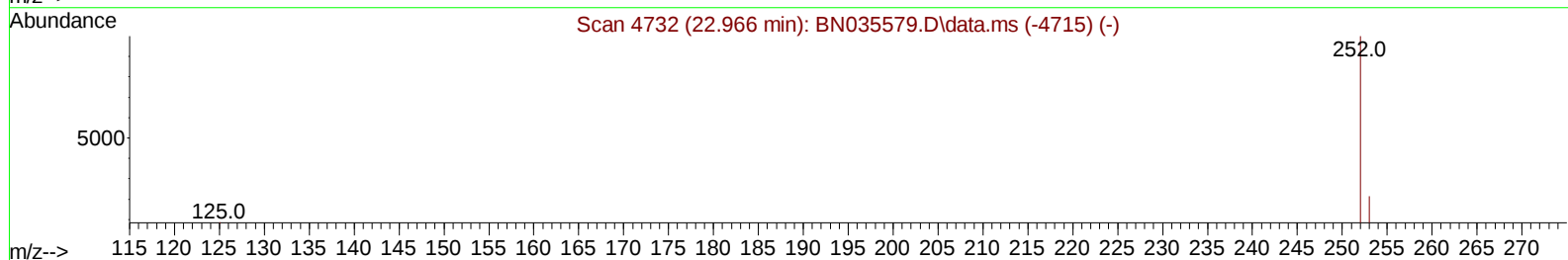
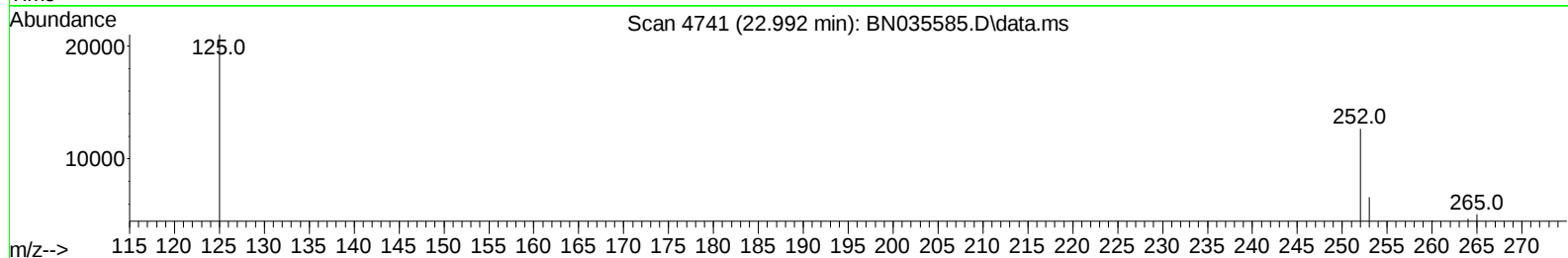
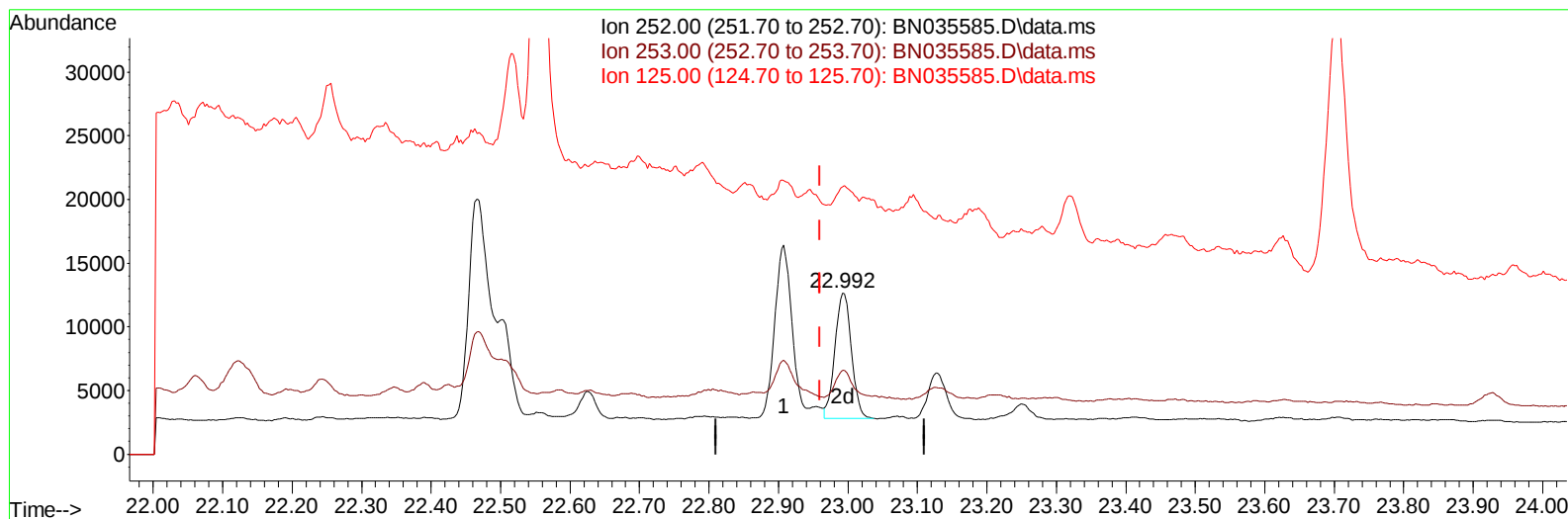
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

(26) Benzo(a)pyrene (C)

22.992min (+ 0.032) 0.65 ng/u1 m

response 16146

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	52.00#
125.00	11.80	166.06#
0.00	0.00	0.00

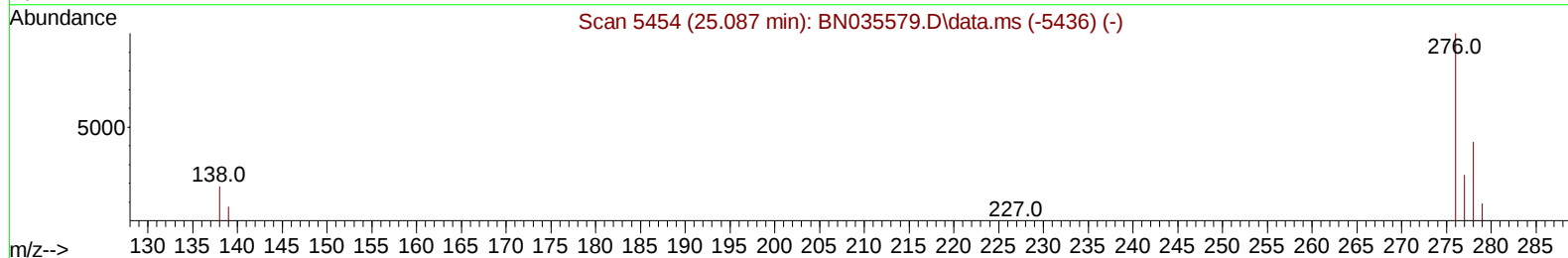
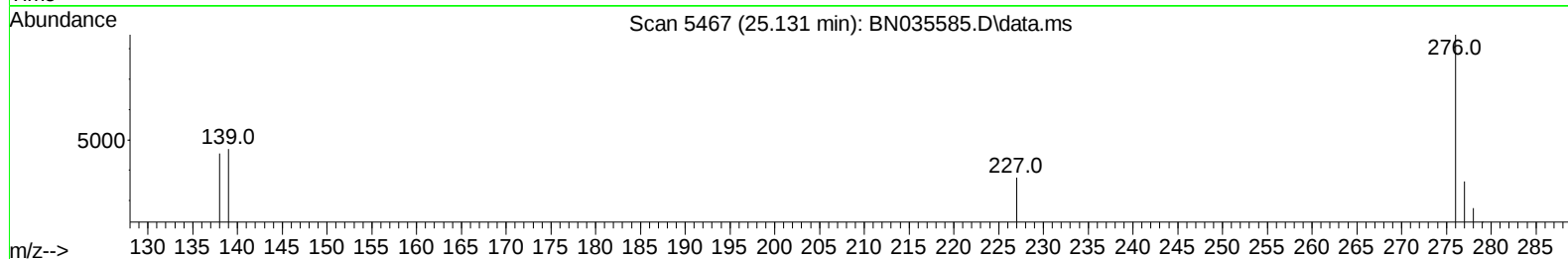
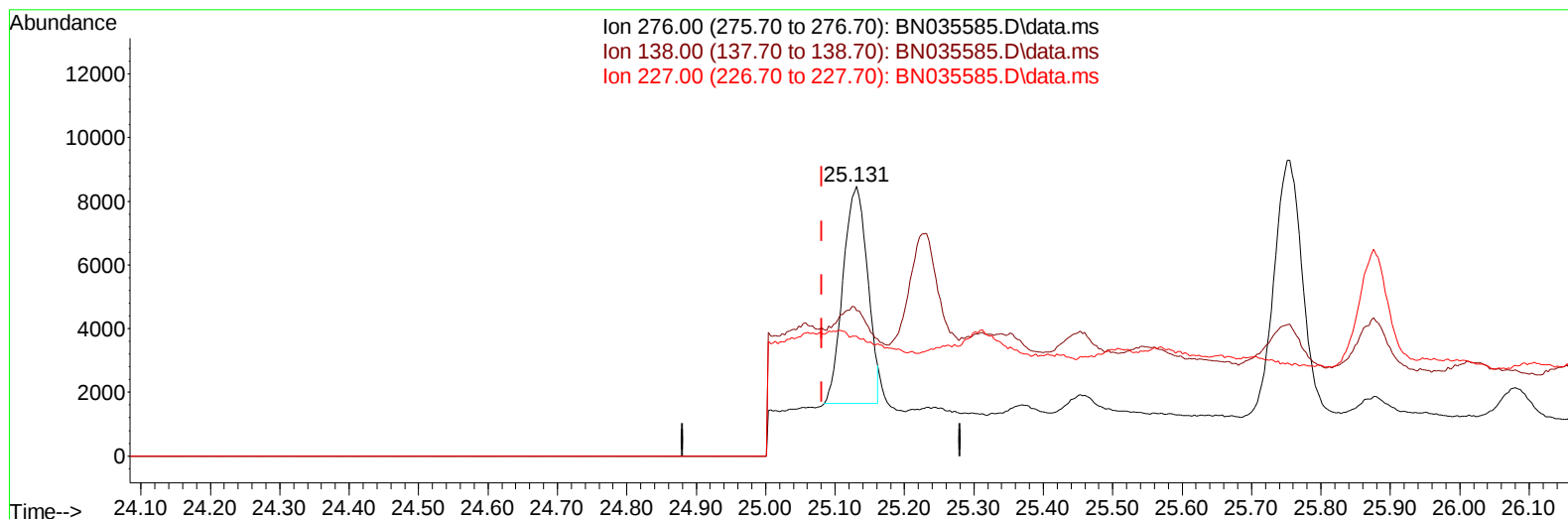
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

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TIC: BN035585.D\data.ms

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

25.131min (+ 0.050) 0.50 ng/u1

response 16721

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	235.37#
227.00	0.30	0.00#
0.00	0.00	0.00

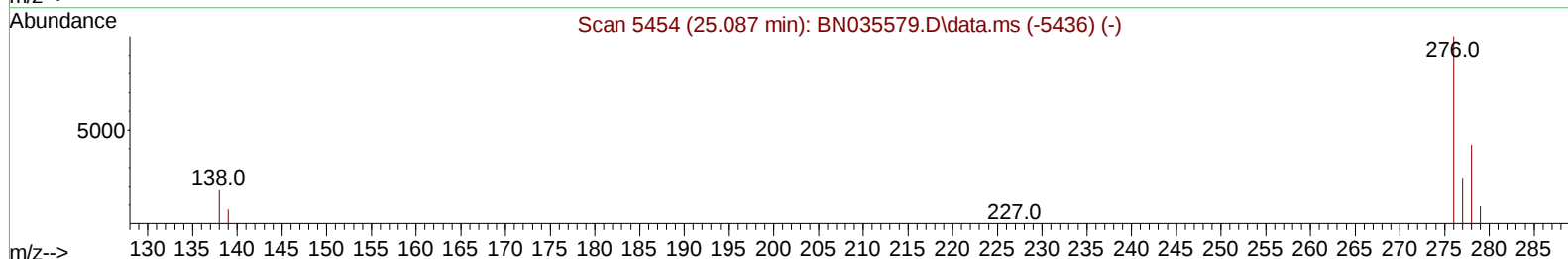
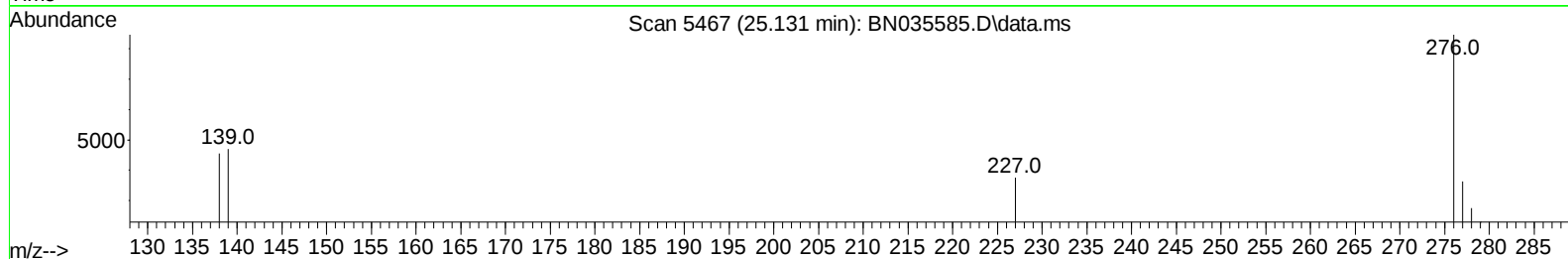
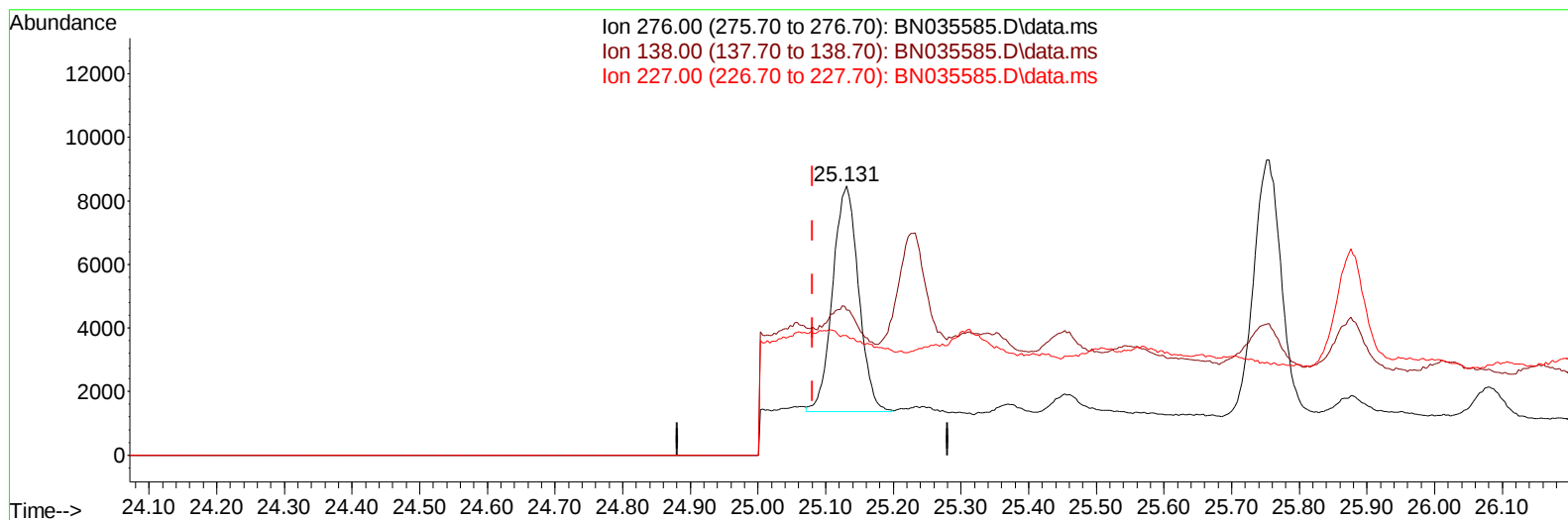
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

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

25.131min (+ 0.050) 0.56 ng/u1 m

response 18798

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	209.36#
227.00	0.30	0.00#
0.00	0.00	0.00

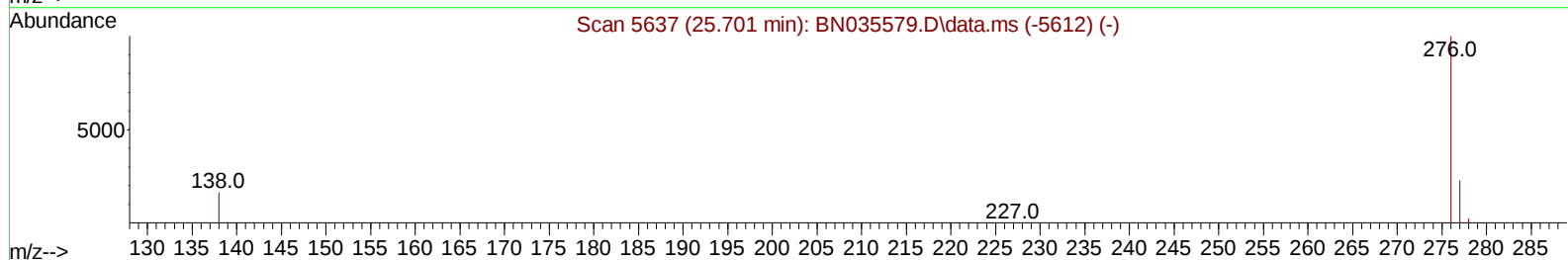
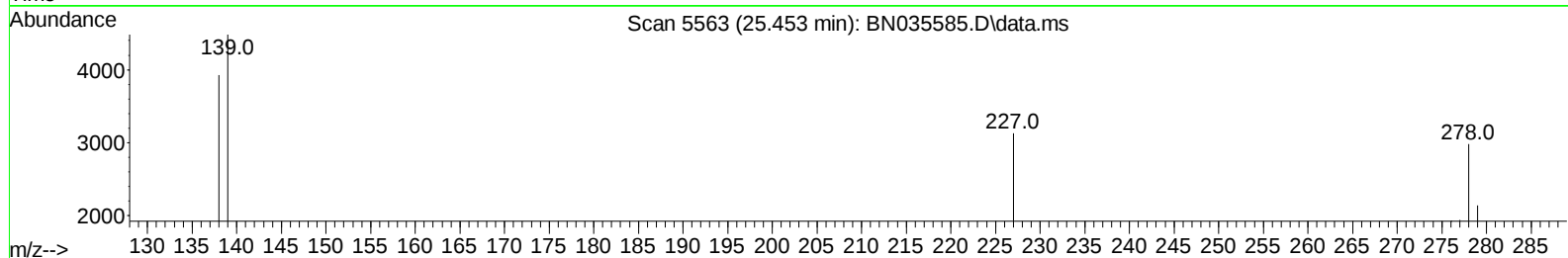
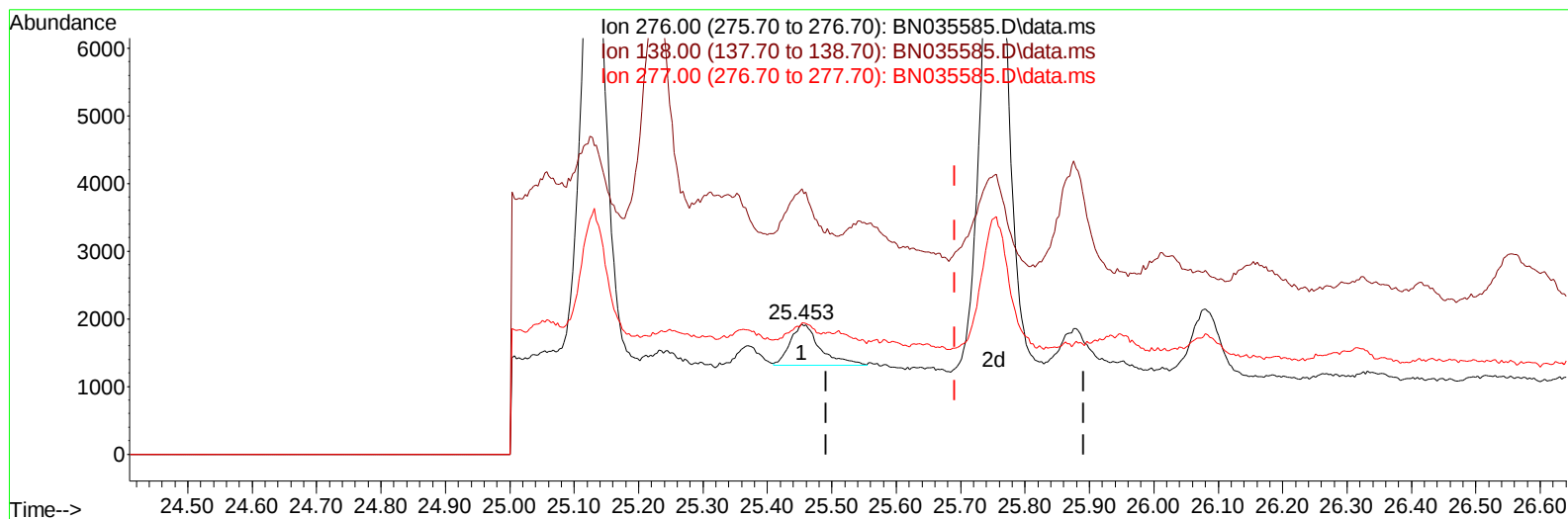
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

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

25.453min (-0.238) 0.07 ng/u1

response 1929

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	204.05#
277.00	25.60	100.73#
0.00	0.00	0.00

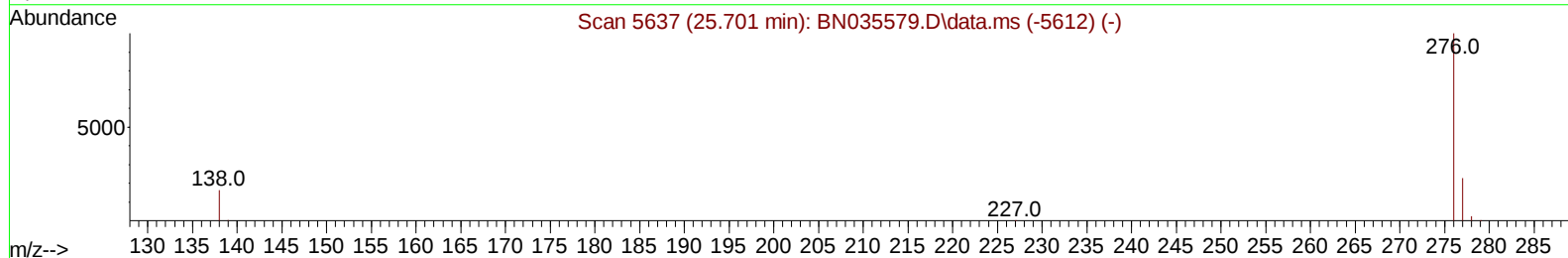
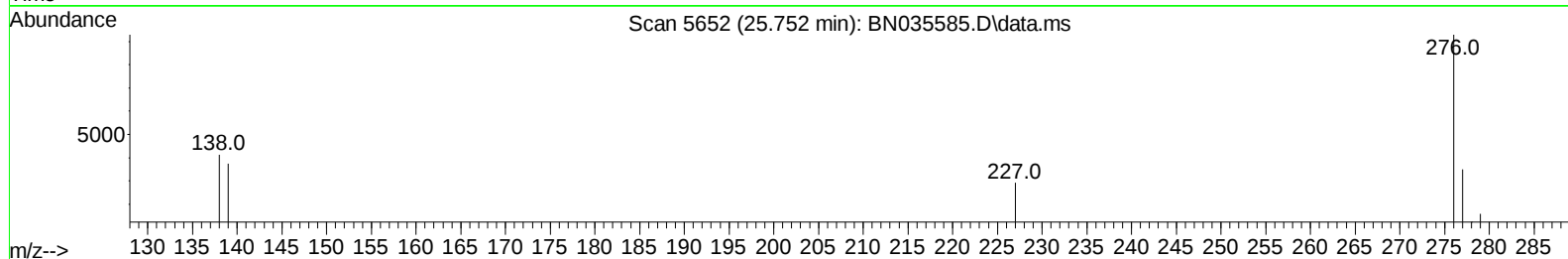
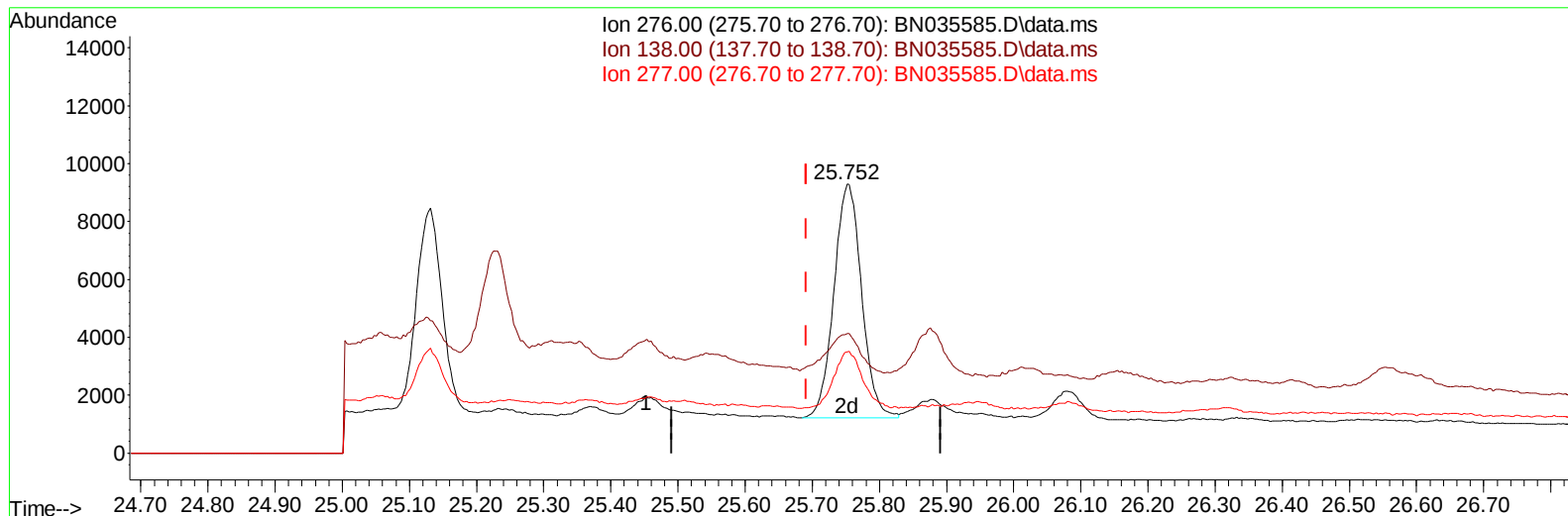
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035585.D\data.ms

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

25.752min (+ 0.060) 0.88 ng/ul m

response 23207

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	44.36#
277.00	25.60	37.54#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
 Data File : BN035585.D
 Acq On : 12 Dec 2024 15:18
 Operator : RC/JU
 Sample : P5153-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 15:47:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 10 16:10:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.288	152	3546	0.400	ng/ul	0.00
4) Naphthalene-d8	10.036	136	10091	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.949	164	6343	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	11429m	0.400	ng/ul	0.00
17) Chrysene-d12	20.973	240	7962	0.400	ng/ul	# 0.01
23) Perylene-d12	23.086	264	8238m	0.400	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.968	96	13703	4.228	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	3937	0.266	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	7237	0.329	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.080	128	10540	0.415	ng/ul	99
7) 2-Methylnaphthalene	11.714	142	6982	0.396	ng/ul	98
8) 1-Methylnaphthalene	11.939	142	4260	0.239	ng/ul	98
10) Acenaphthylene	13.662	152	5257	0.209	ng/ul#	90
11) Acenaphthene	14.014	153	566	0.029	ng/ul#	88
12) Fluorene	15.018	166	1729	0.077	ng/ul#	84
14) Pentachlorophenol	16.380	266	90	0.034	ng/ul	96
15) Phenanthrene	16.760	178	26238	0.868	ng/ul	95
16) Anthracene	16.852	178	12137	0.433	ng/ul#	88
19) Fluoranthene	18.805	202	33226	1.199	ng/ul#	96
20) Pyrene	19.172	202	29045	1.007	ng/ul#	92
21) Benzo(a)anthracene	20.958	228	14858	0.538	ng/ul#	44
22) Chrysene	21.008	228	26596	0.957	ng/ul#	61
24) Benzo(b)fluoranthene	22.466	252	34656m	1.273	ng/ul	
25) Benzo(k)fluoranthene	22.501	252	10986m	0.391	ng/ul	
26) Benzo(a)pyrene	22.992	252	16146m	0.649	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.131	276	18798m	0.559	ng/ul	
29) Benzo(g,h,i)perylene	25.752	276	23207m	0.876	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035585.D
Acq On : 12 Dec 2024 15:18
Operator : RC/JU
Sample : P5153-14
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q1

Manual IntegrationsAPPROVED

Quant Time: Dec 12 15:47:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN11624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024

