

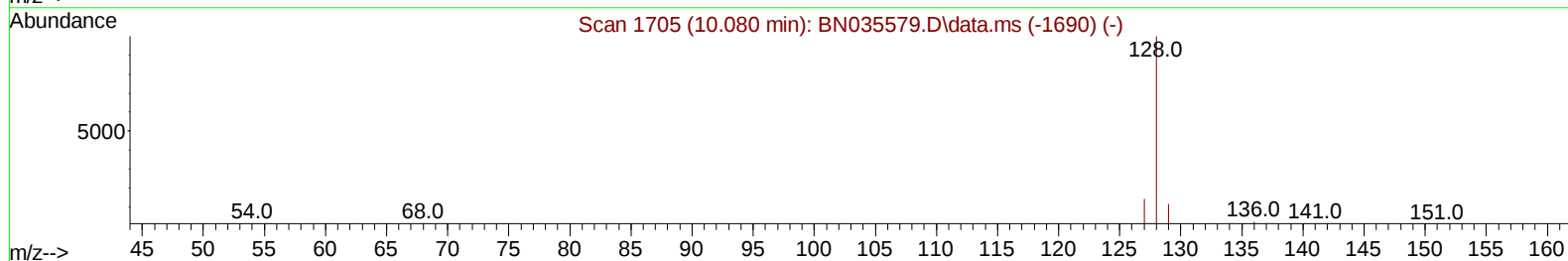
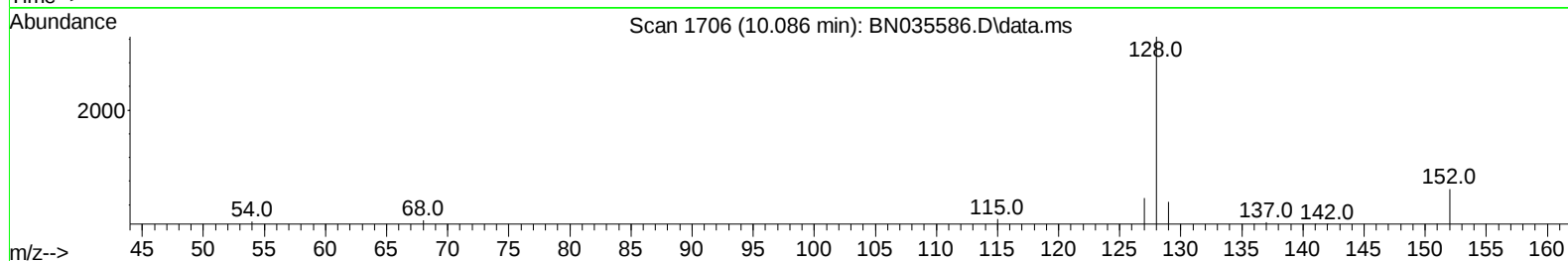
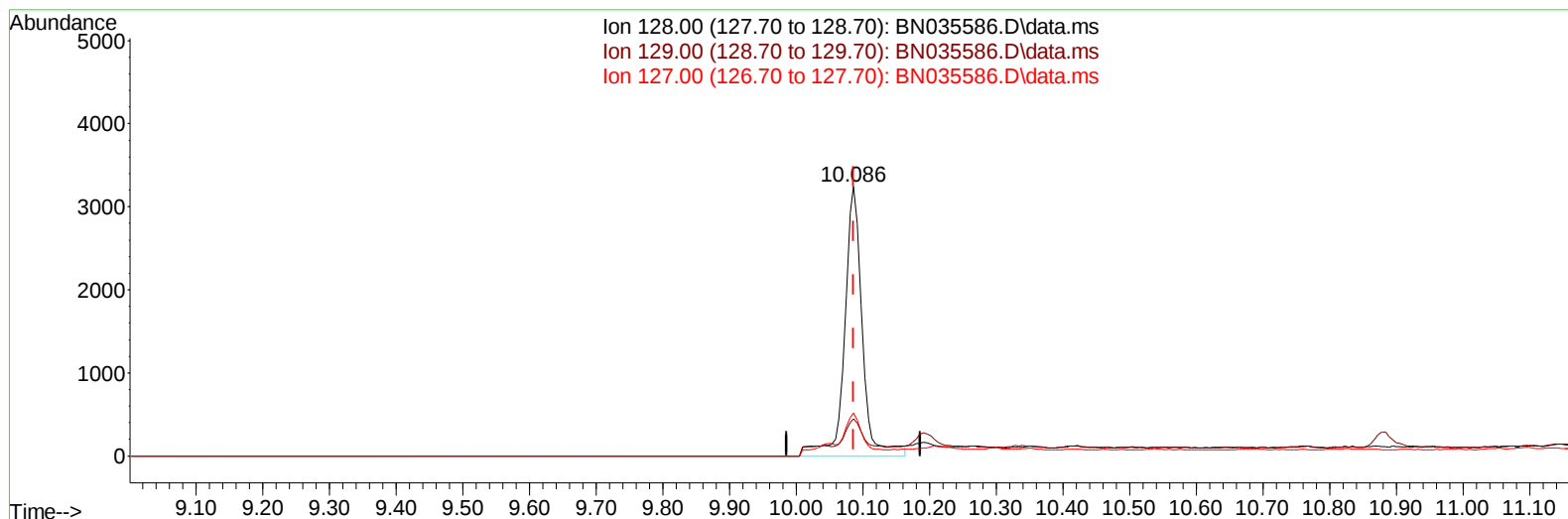
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 12 16:59:15 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



TIC: BN035586.D\data.ms

(5) Naphthalene

10.086min (+ 0.000) 0.37 ng/u1

response 5899

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	13.78
127.00	14.30	15.94
0.00	0.00	0.00

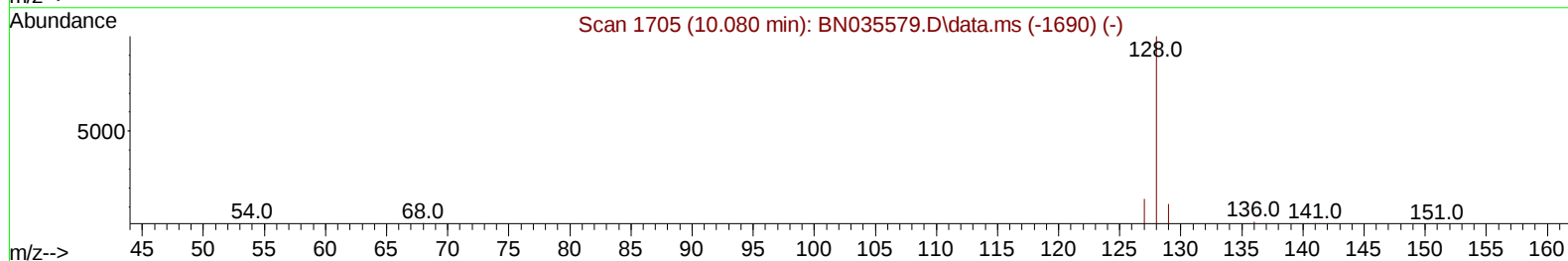
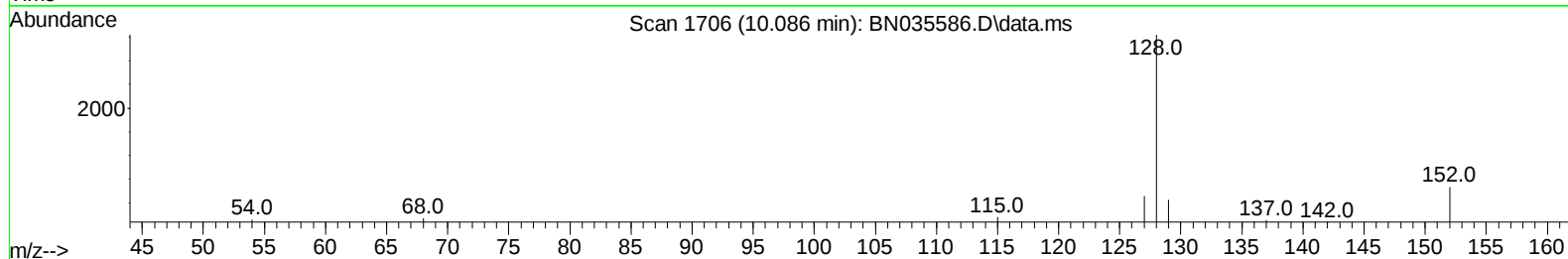
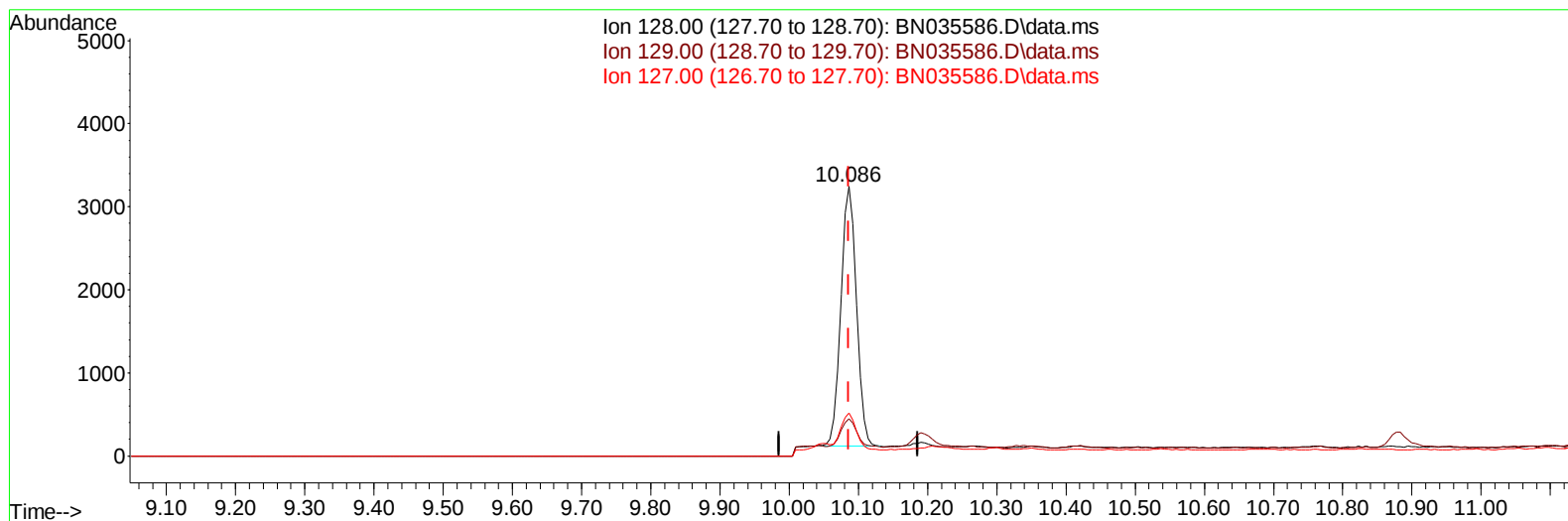
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BN035586.D\data.ms

(5) Naphthalene

10.086min (+ 0.000) 0.31 ng/ul m

response 4874

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	13.78
127.00	14.30	15.94
0.00	0.00	0.00

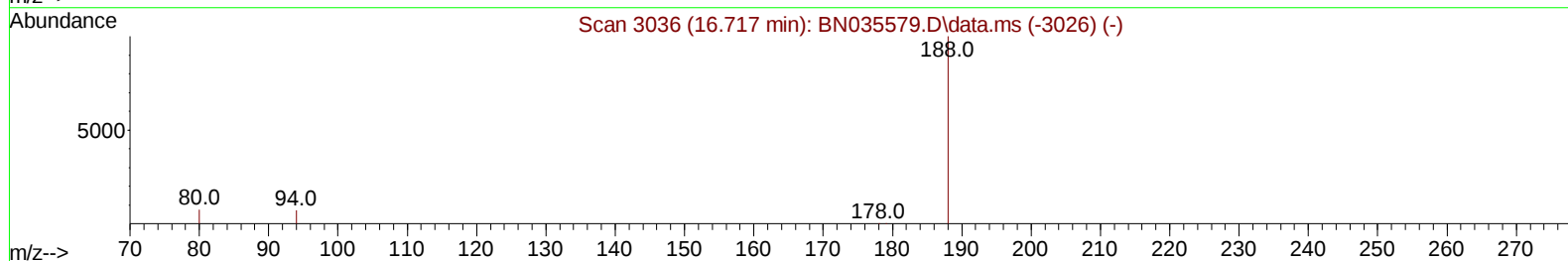
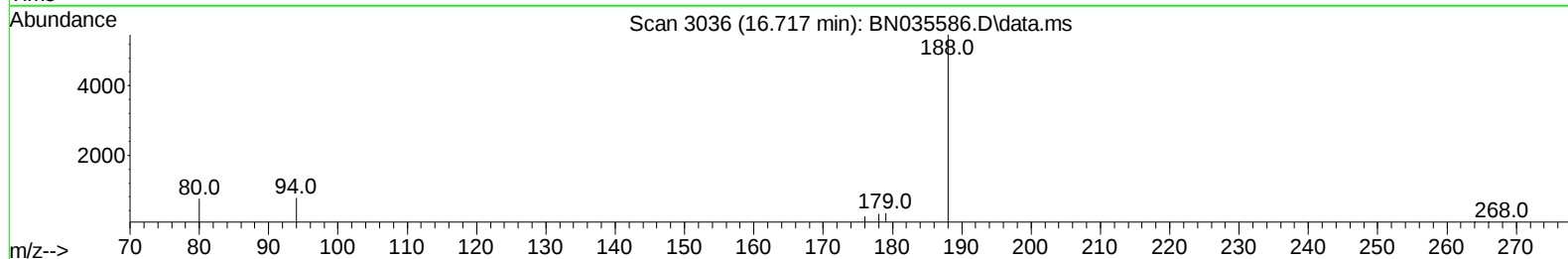
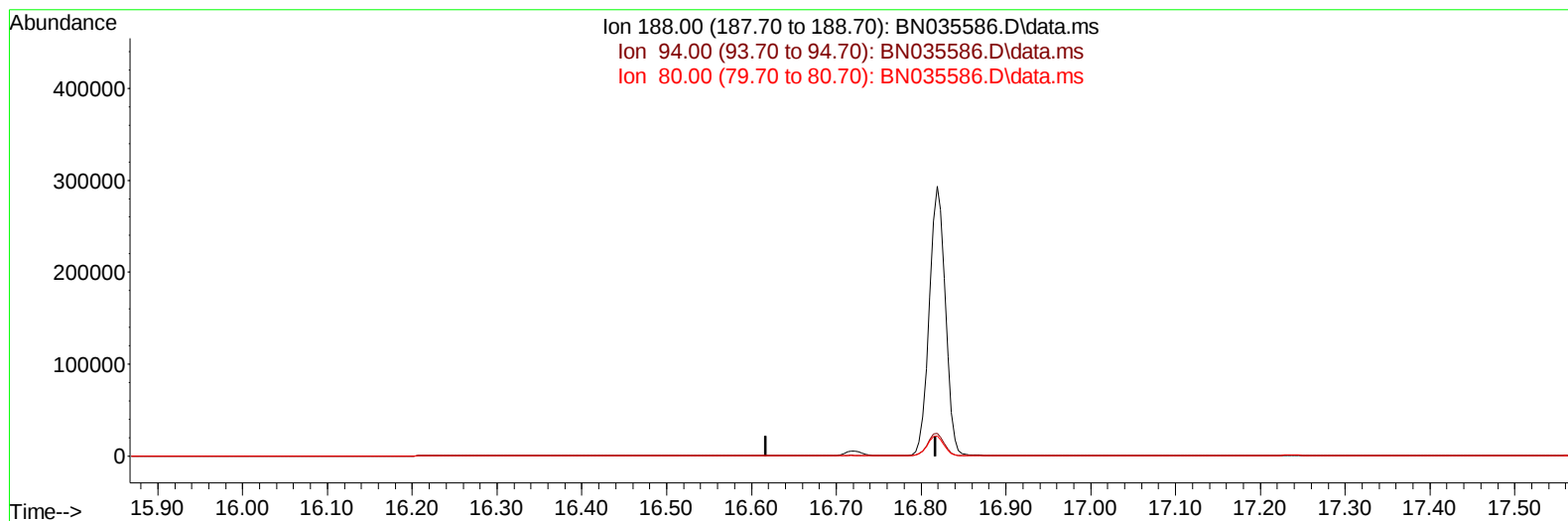
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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



TIC: BN035586.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

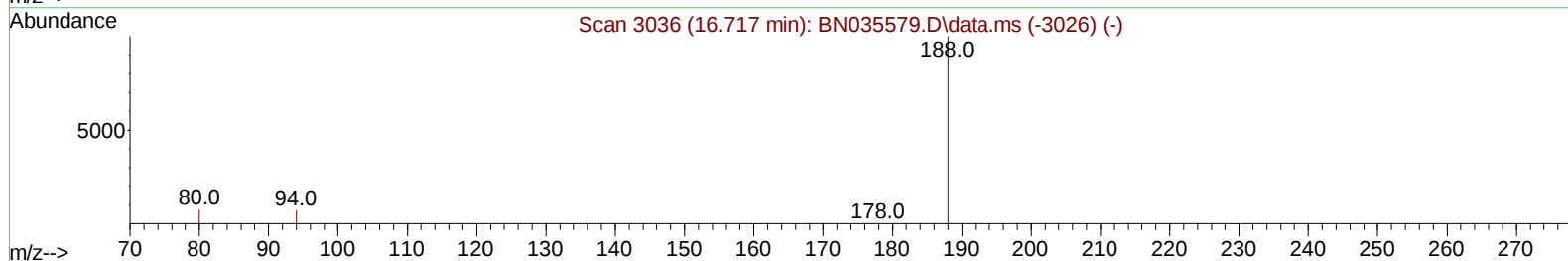
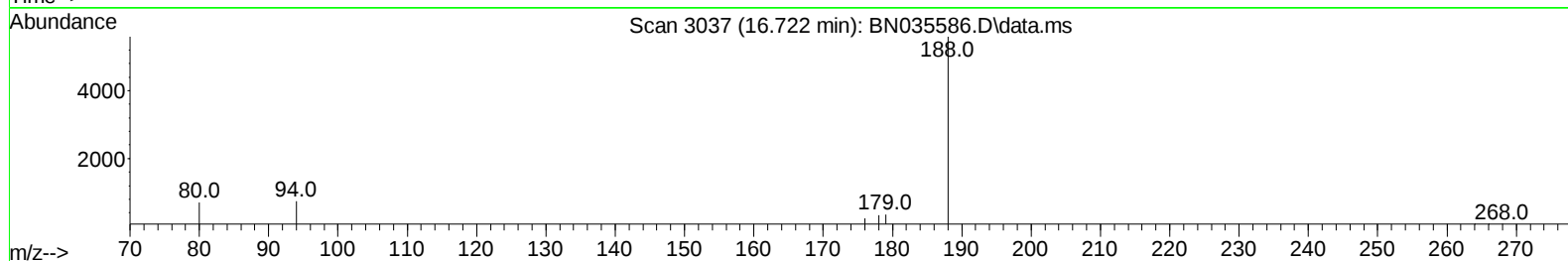
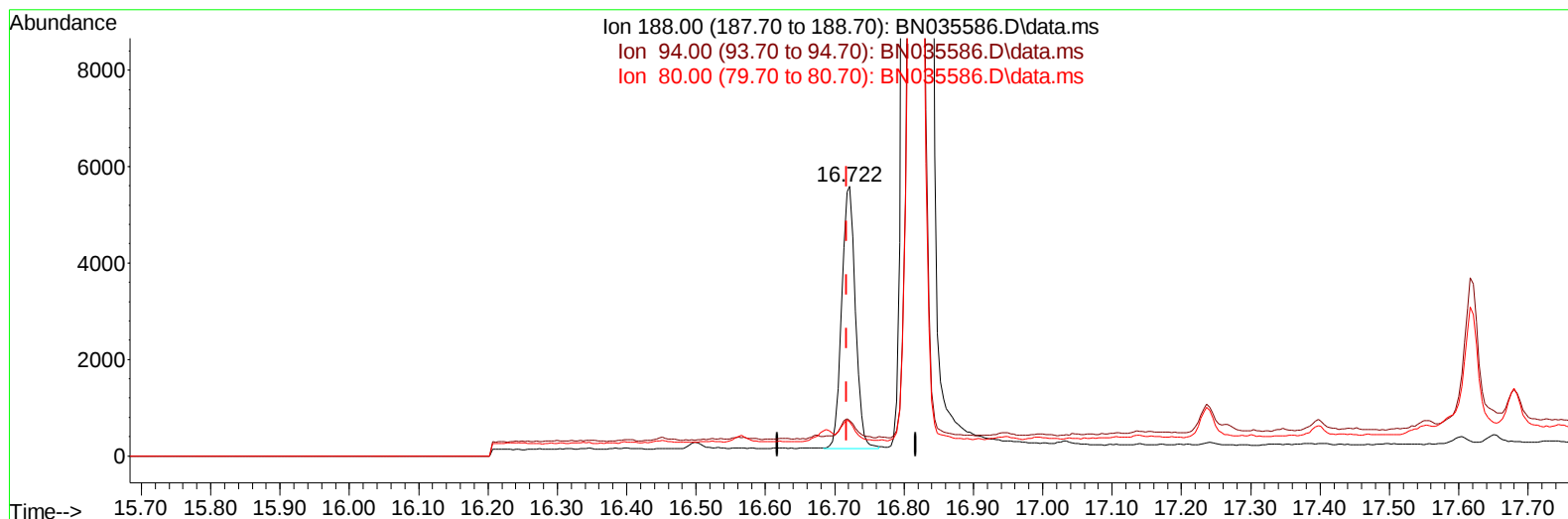
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

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QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/13/2024
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TIC: BN035586.D\data.ms

(13) Phenanthrene-d10 (I)

16.722min (+ 0.004) 0.40 ng/ul m

response 7478

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	13.19#
80.00	7.60	12.64#
0.00	0.00	0.00

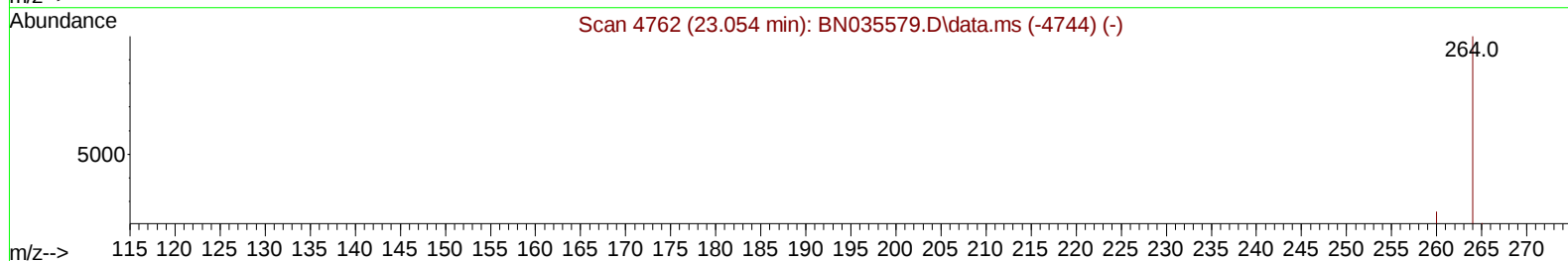
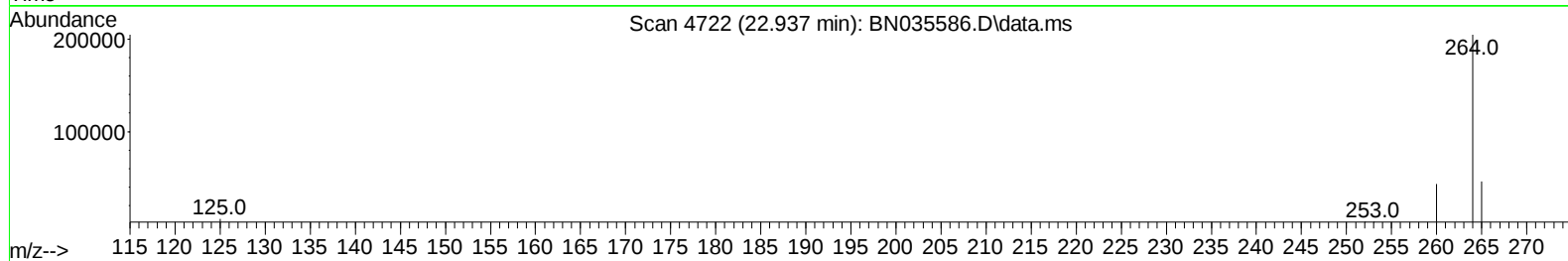
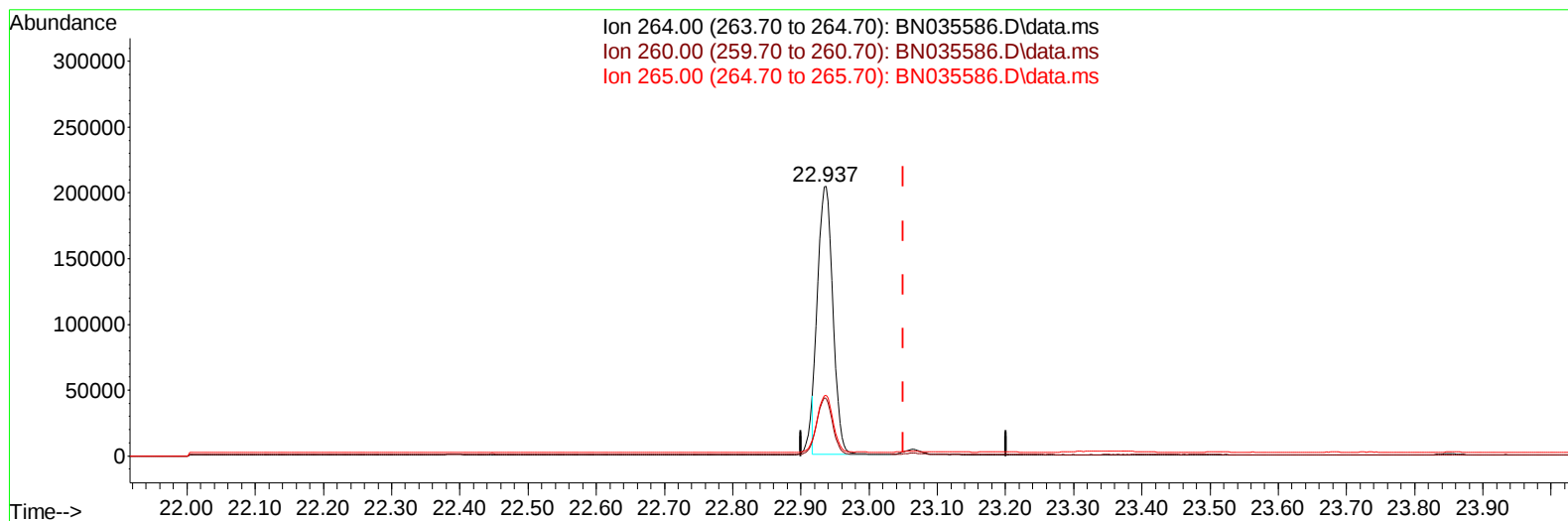
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Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

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Supervised By :mohammad ahmed 12/13/2024



TIC: BN035586.D\data.ms

(23) Perylene-d12 (I)

22.937min (-0.114) 0.40 ng/u1

response 316620

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.26
265.00	75.50	22.57#
0.00	0.00	0.00

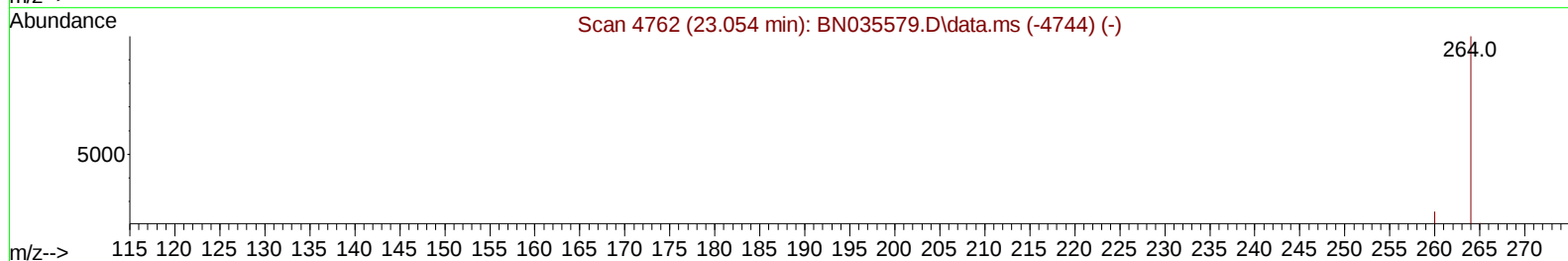
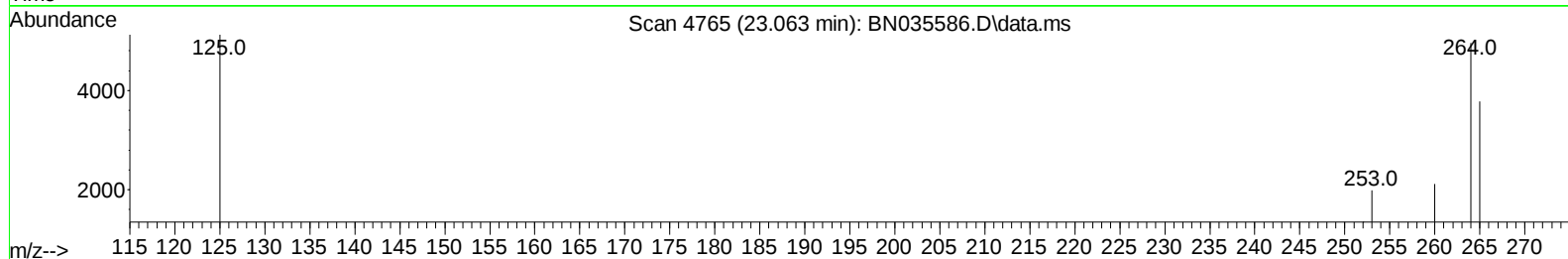
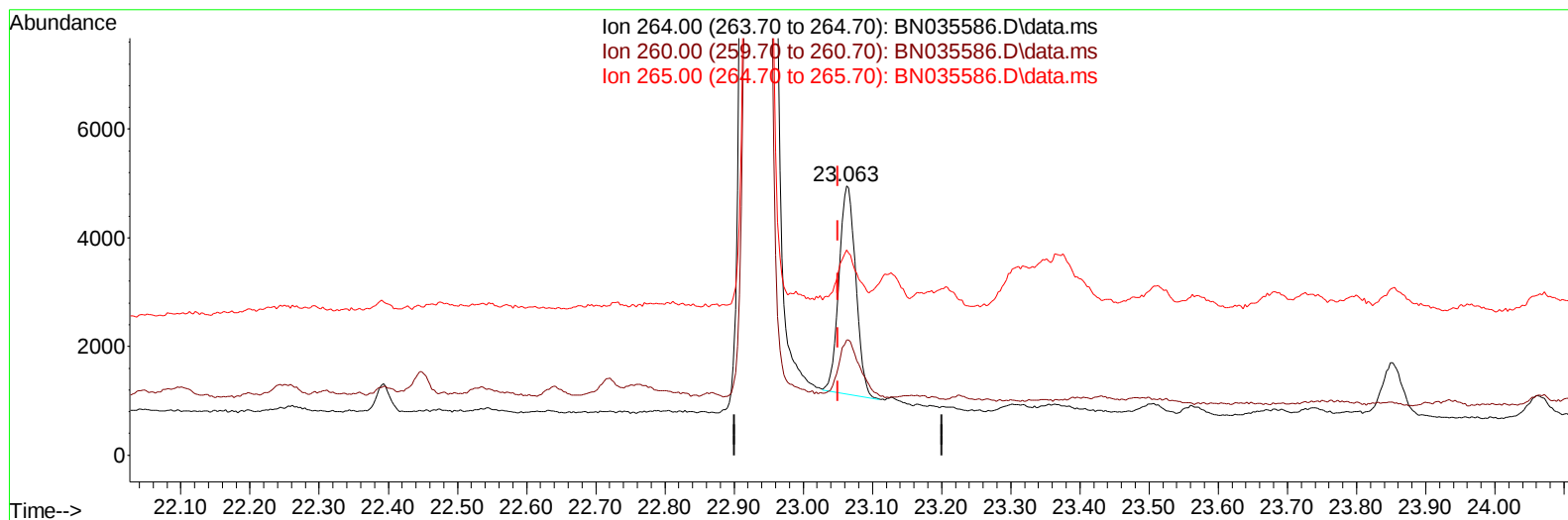
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 2024
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Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BN035586.D\data.ms

(23) Perylene-d12 (I)

23.063min (+ 0.012) 0.40 ng/ul m

response 6460

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	42.86#
265.00	75.50	76.35
0.00	0.00	0.00

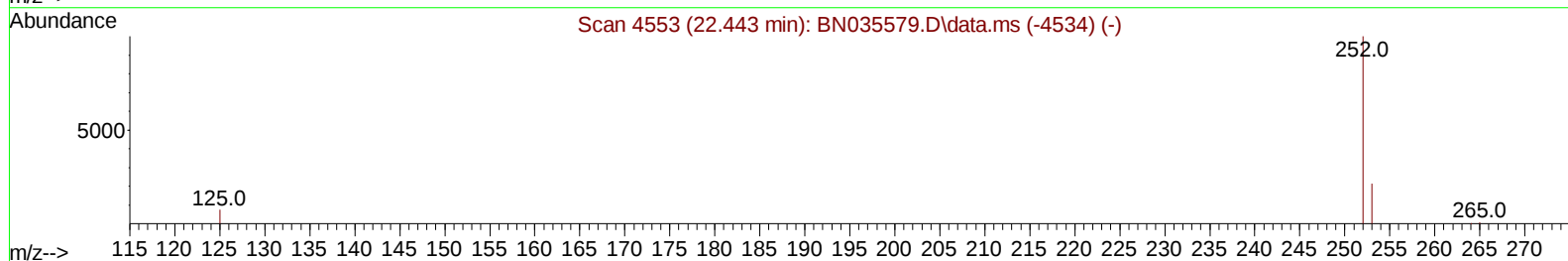
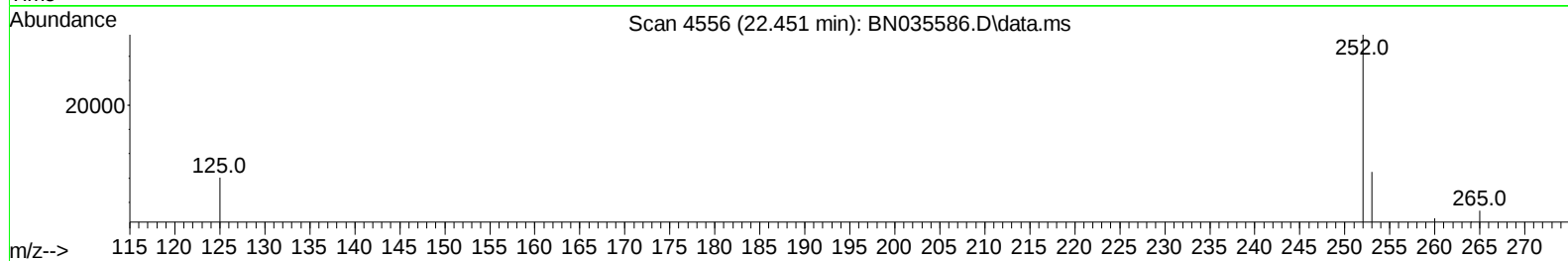
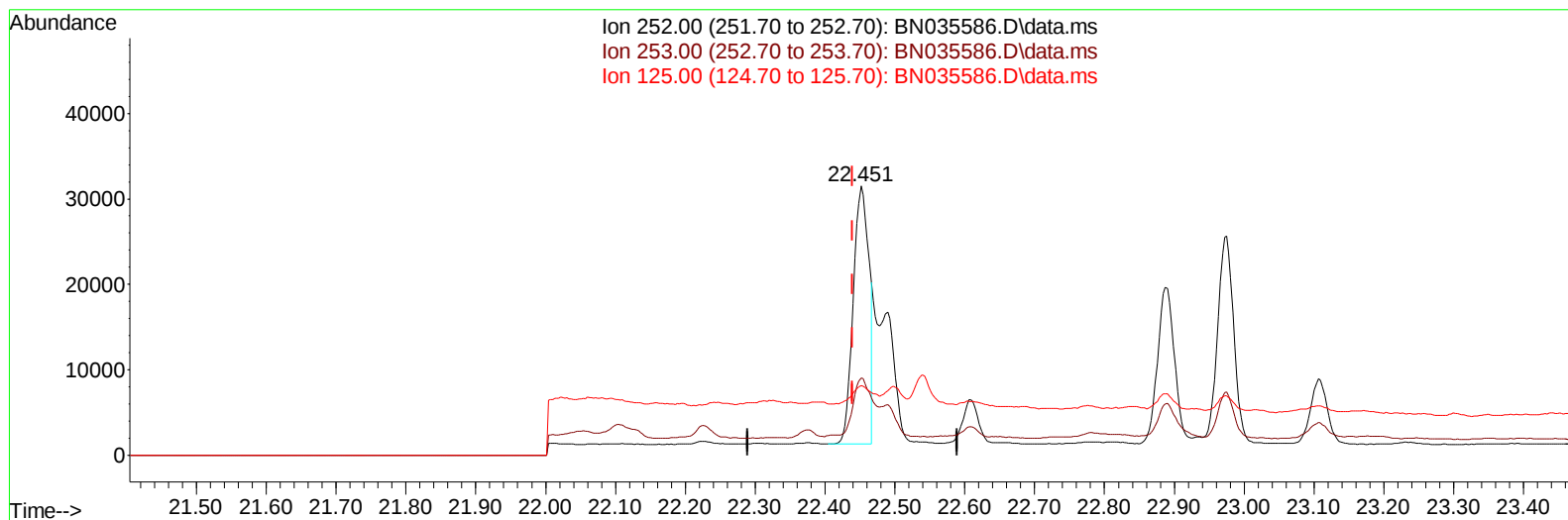
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

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



TIC: BN035586.D\data.ms

(24) Benzo(b)fluoranthene

22.451min (+ 0.012) 2.21 ng/u1

response 47218

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.73
125.00	9.70	25.84#
0.00	0.00	0.00

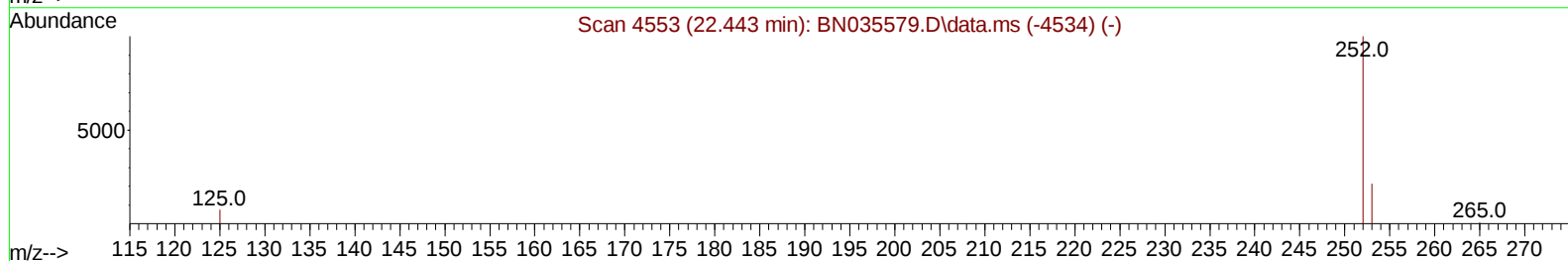
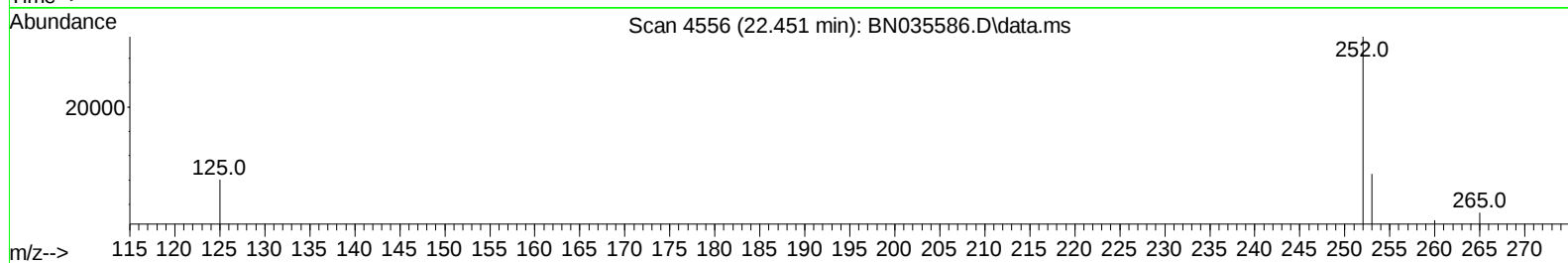
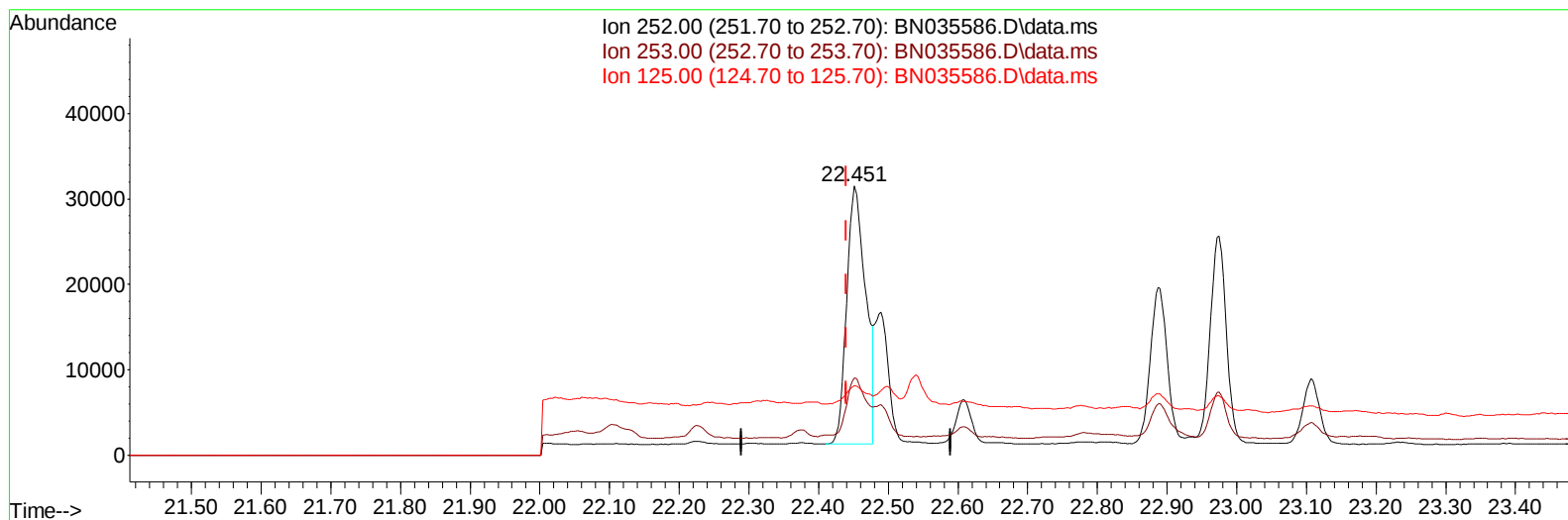
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 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: BN035586.D\data.ms

(24) Benzo(b)fluoranthene

22.451min (+ 0.012) 2.70 ng/u1 m

response 57688

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.73
125.00	9.70	25.84#
0.00	0.00	0.00

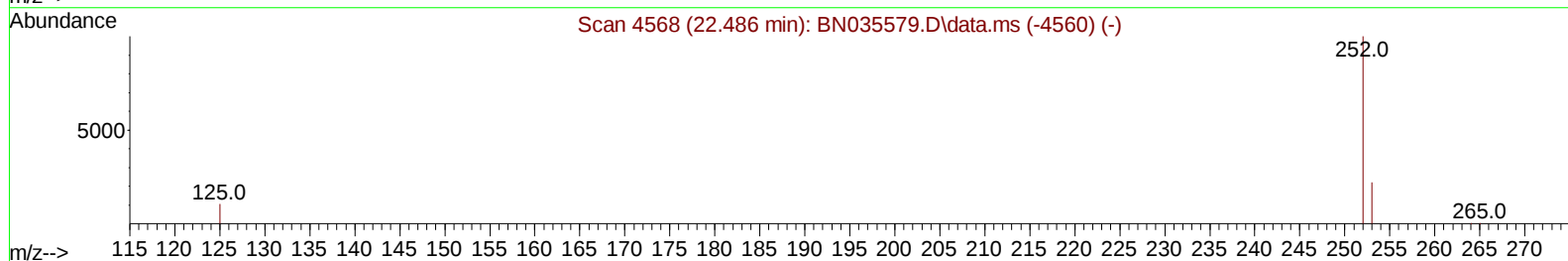
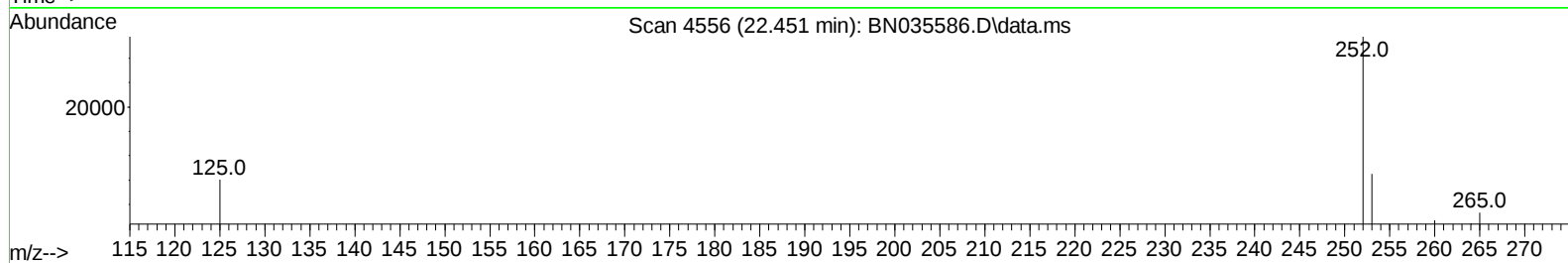
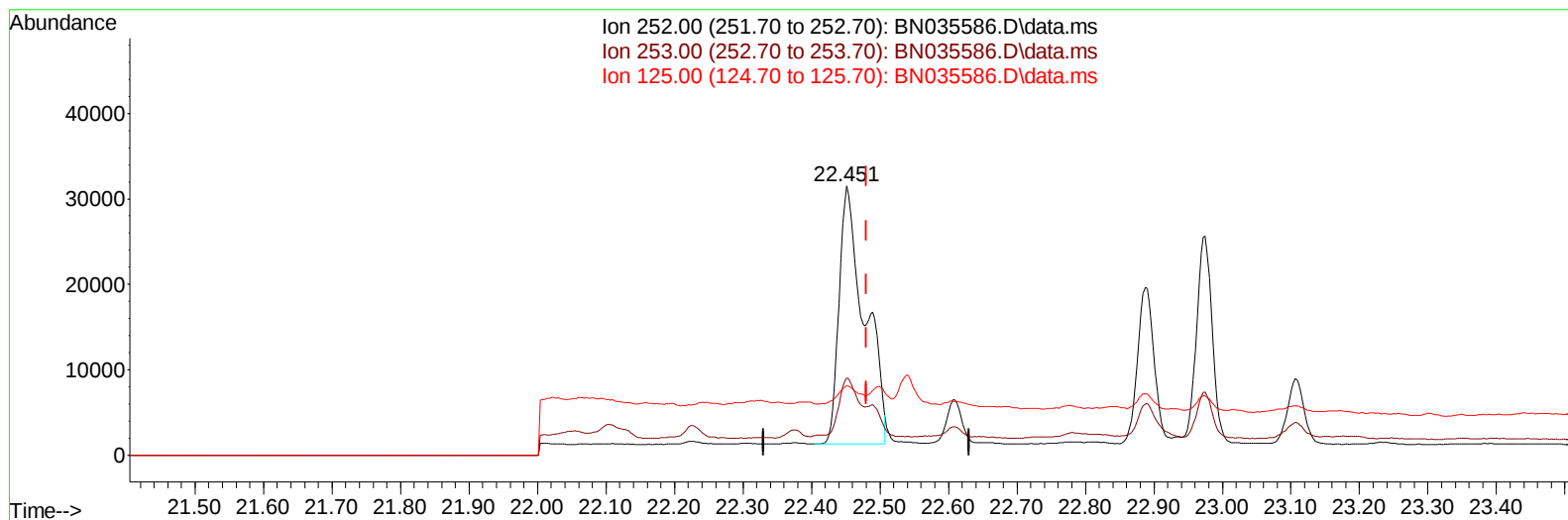
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Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

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TIC: BN035586.D\data.ms

(25) Benzo(k)fluoranthene

22.451min (-0.029) 3.53 ng/u1

response 77624

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	28.73
125.00	10.70	25.84#
0.00	0.00	0.00

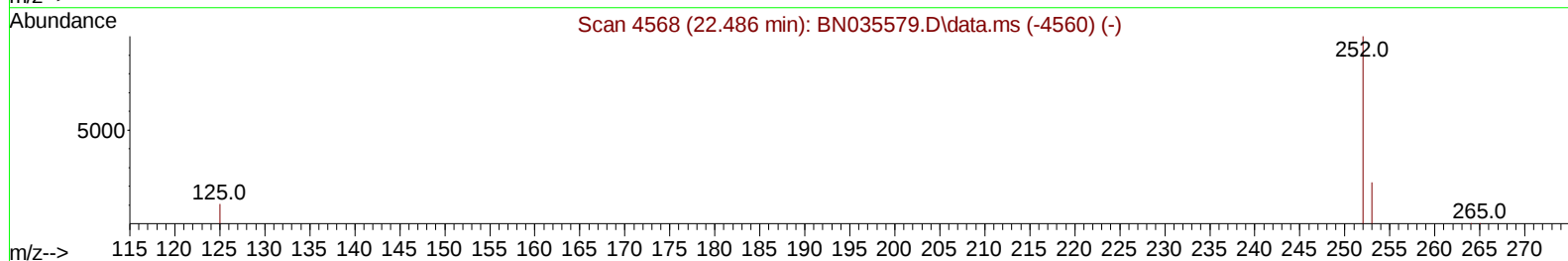
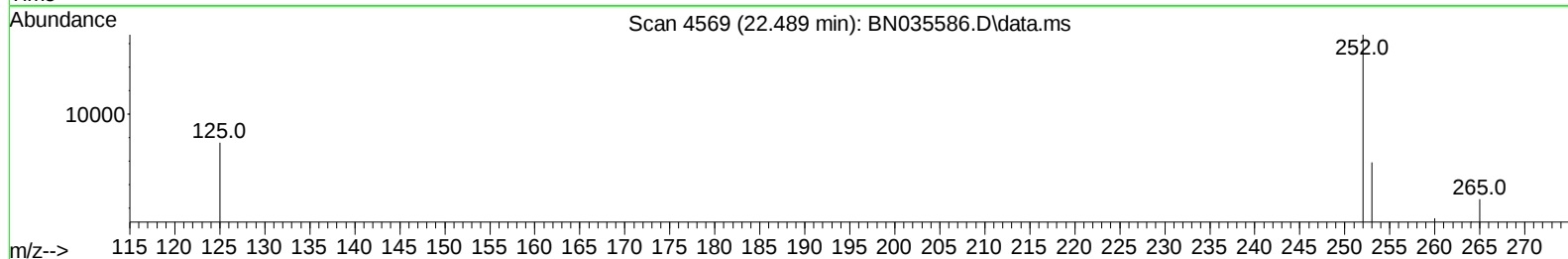
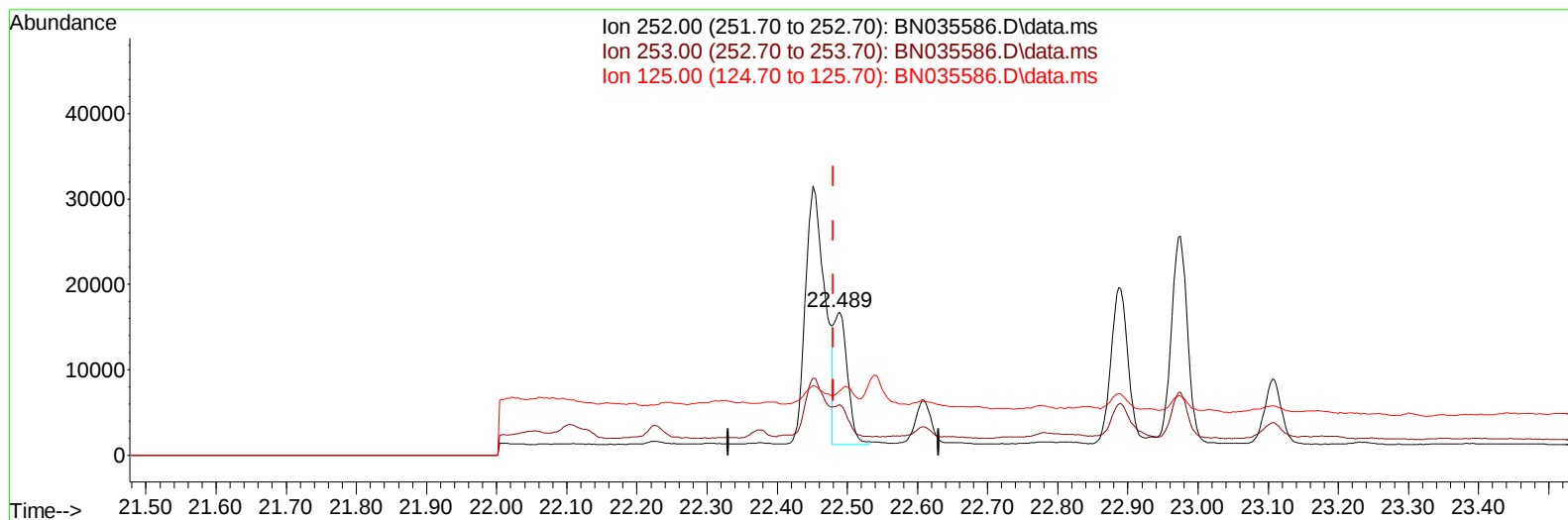
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Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN035586.D\data.ms

(25) Benzo(k)fluoranthene

22.489min (+ 0.009) 0.96 ng/u1 m

response 21071

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	35.24#
125.00	10.70	45.09#
0.00	0.00	0.00

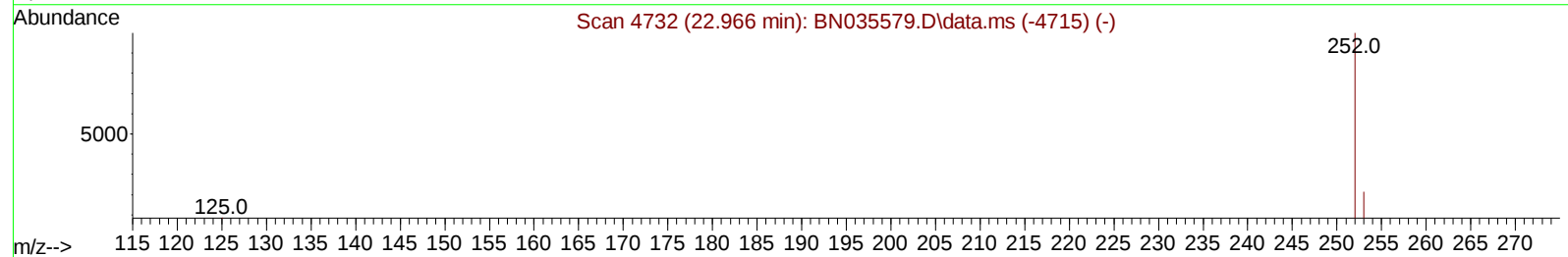
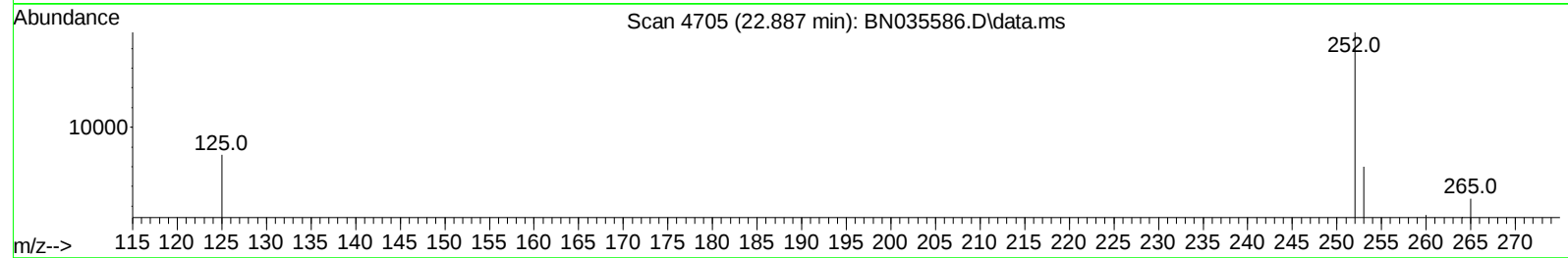
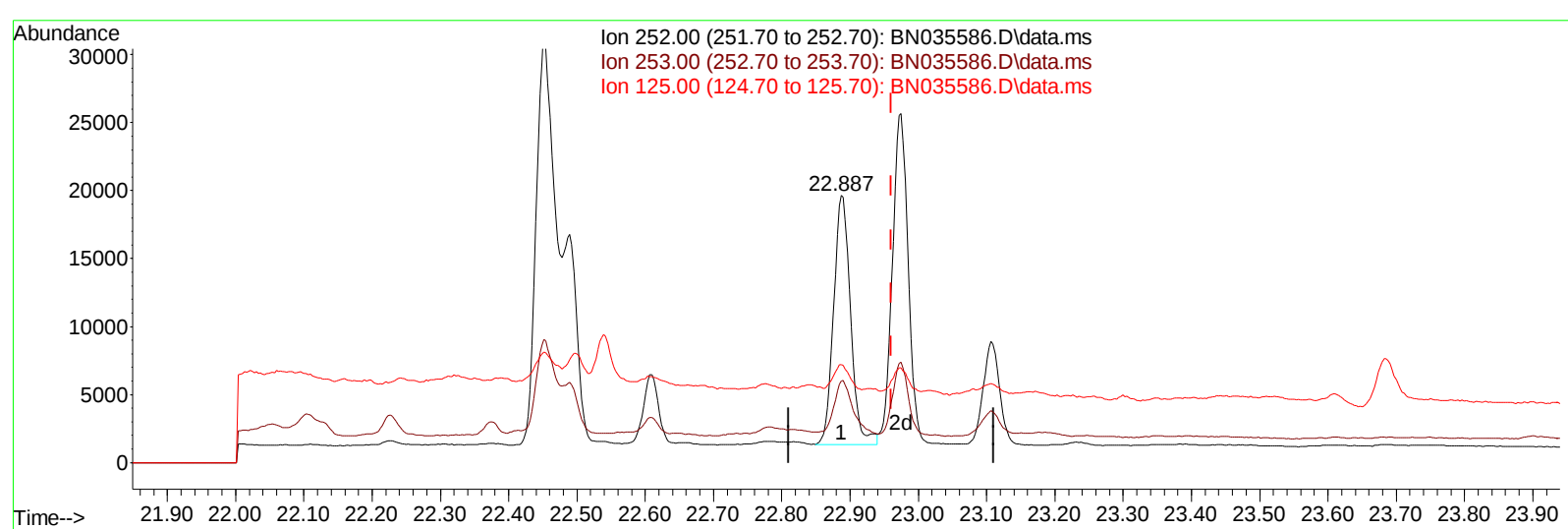
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ClientSampleId :
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TIC: BN035586.D\data.ms

(26) Benzo(a)pyrene (C)

22.887min (-0.073) 1.62 ng/u1

response 31609

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	30.46
125.00	11.80	36.59#
0.00	0.00	0.00

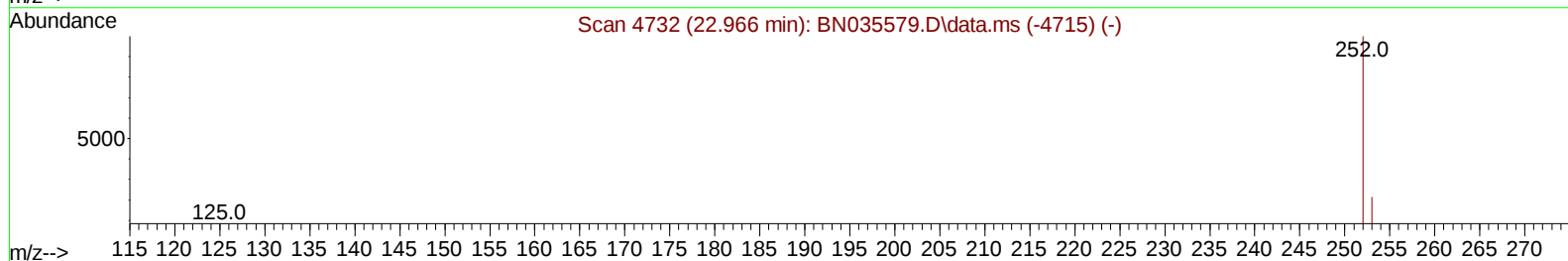
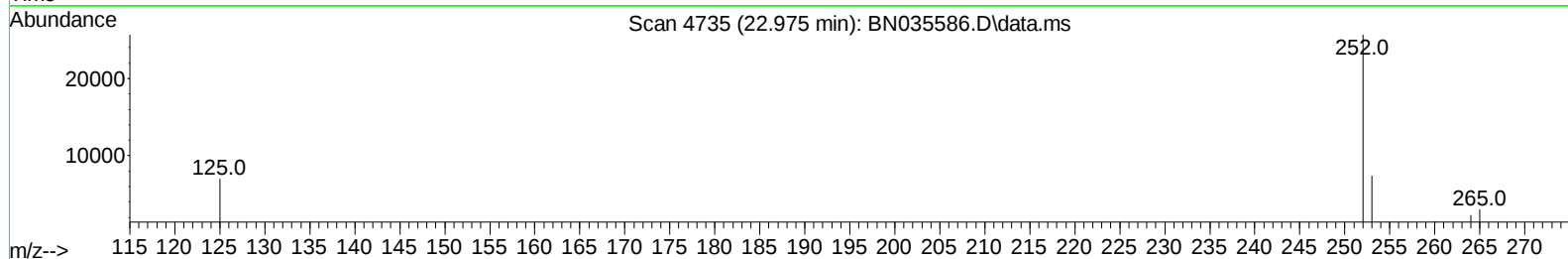
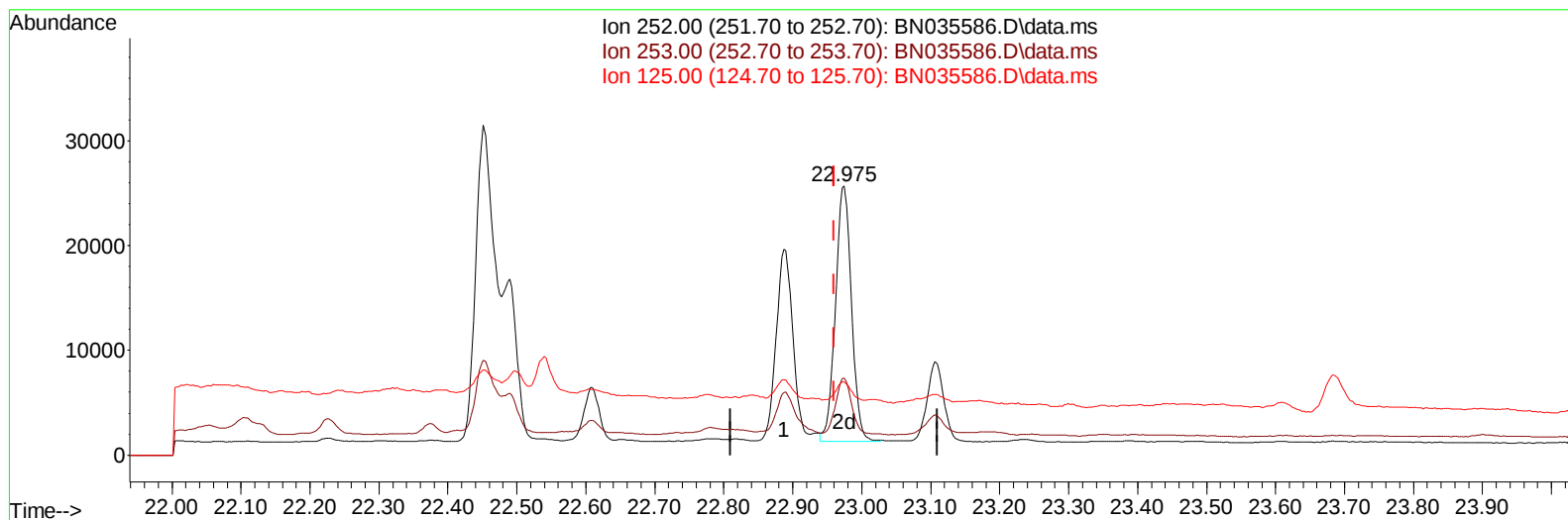
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
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Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Supervised By :mohammad ahmed 12/13/2024



TIC: BN035586.D\data.ms

(26) Benzo(a)pyrene (C)

22.975min (+ 0.015) 2.01 ng/ul m

response 39200

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	28.75
125.00	11.80	27.20#
0.00	0.00	0.00

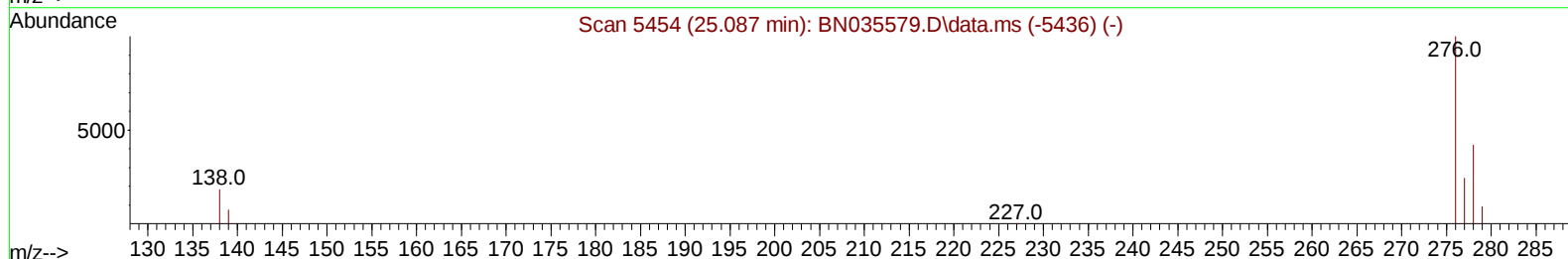
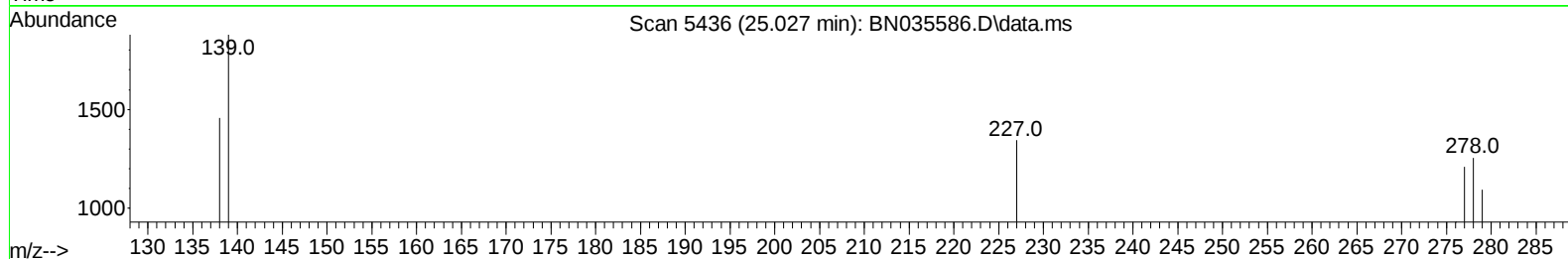
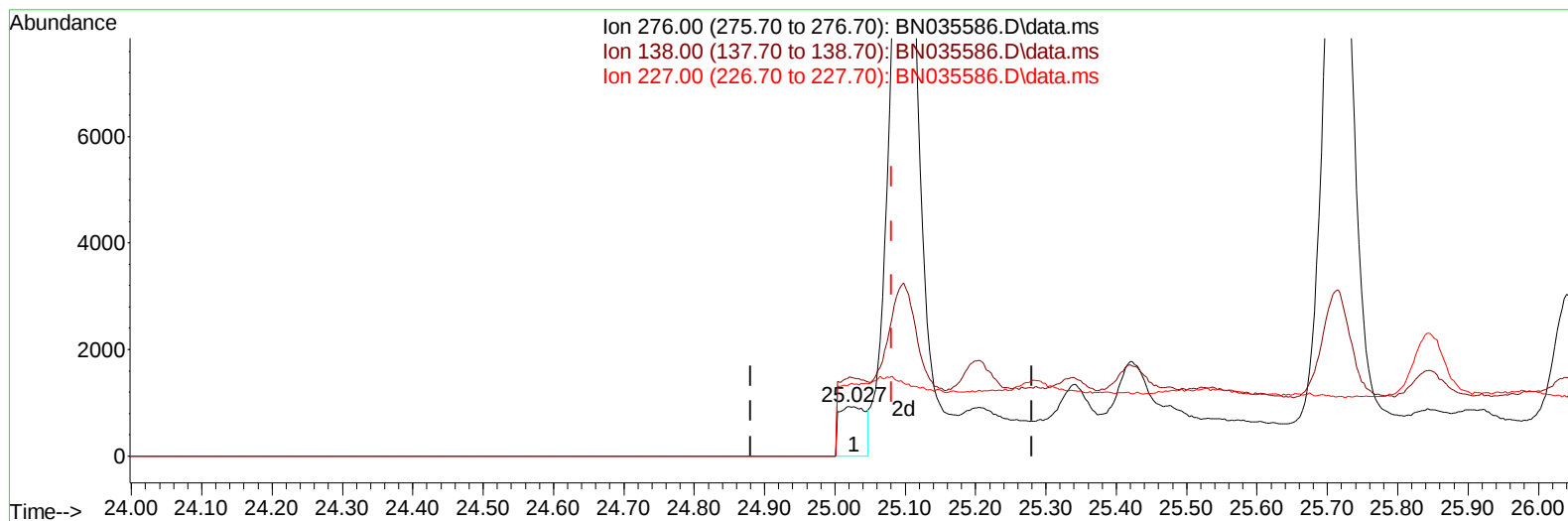
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Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN035586.D\data.ms

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

25.027min (-0.053) 0.09 ng/u1

response 2435

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

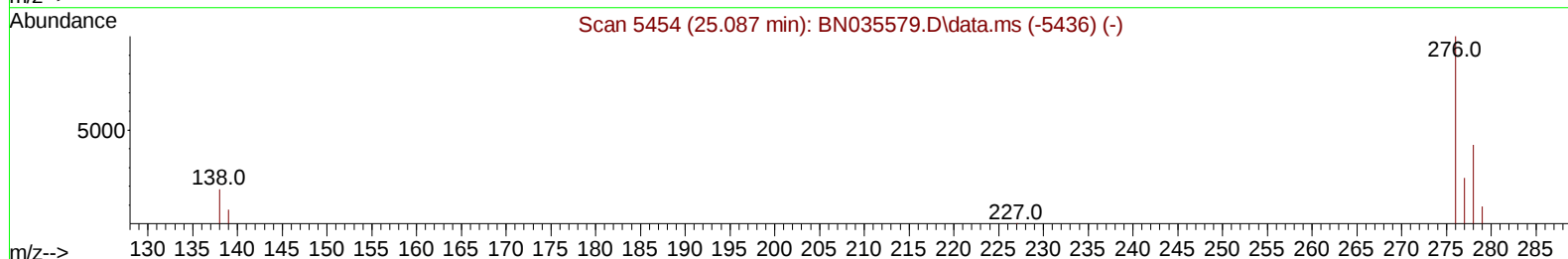
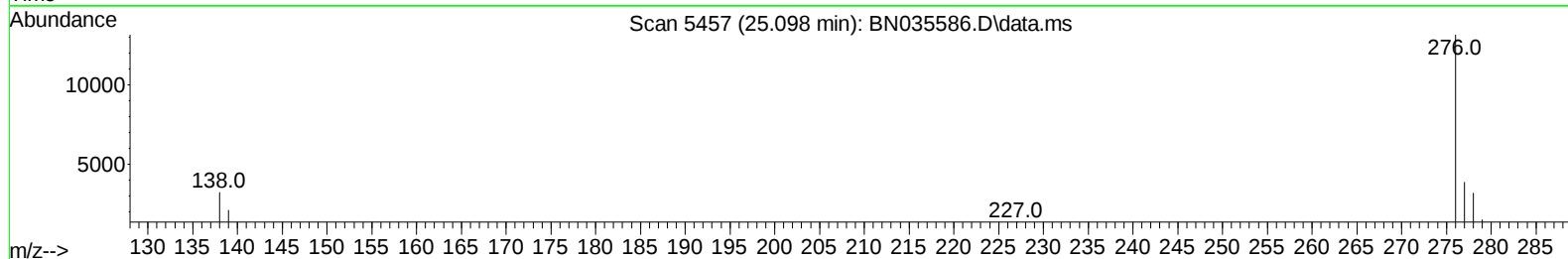
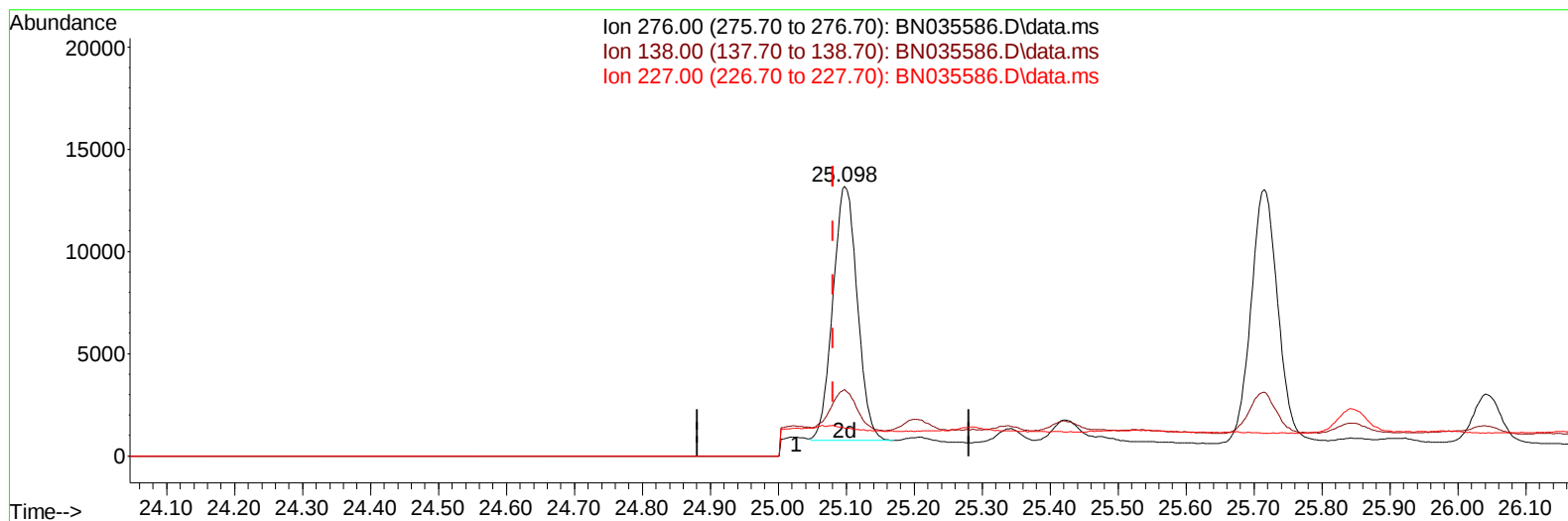
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 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: BN035586.D\data.ms

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

25.098min (+ 0.017) 1.18 ng/ul m

response 31035

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

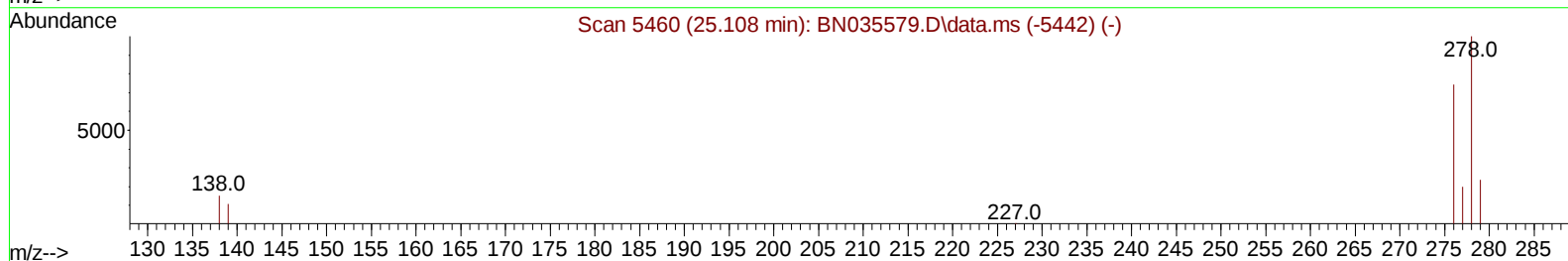
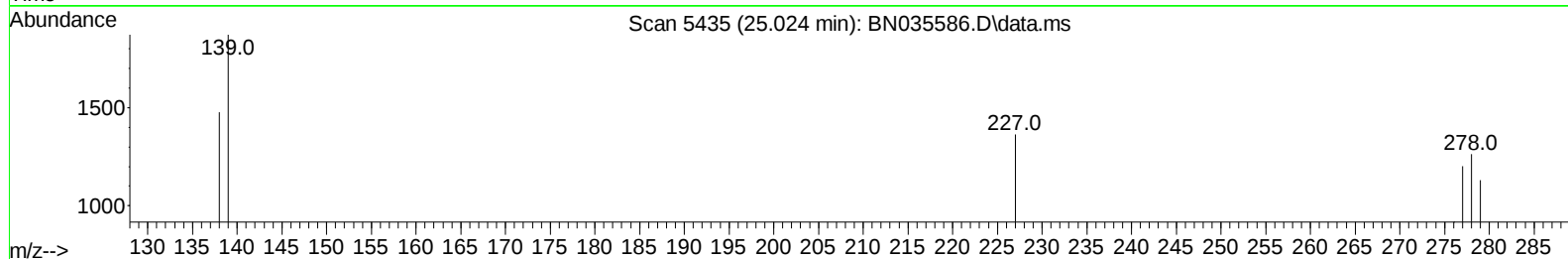
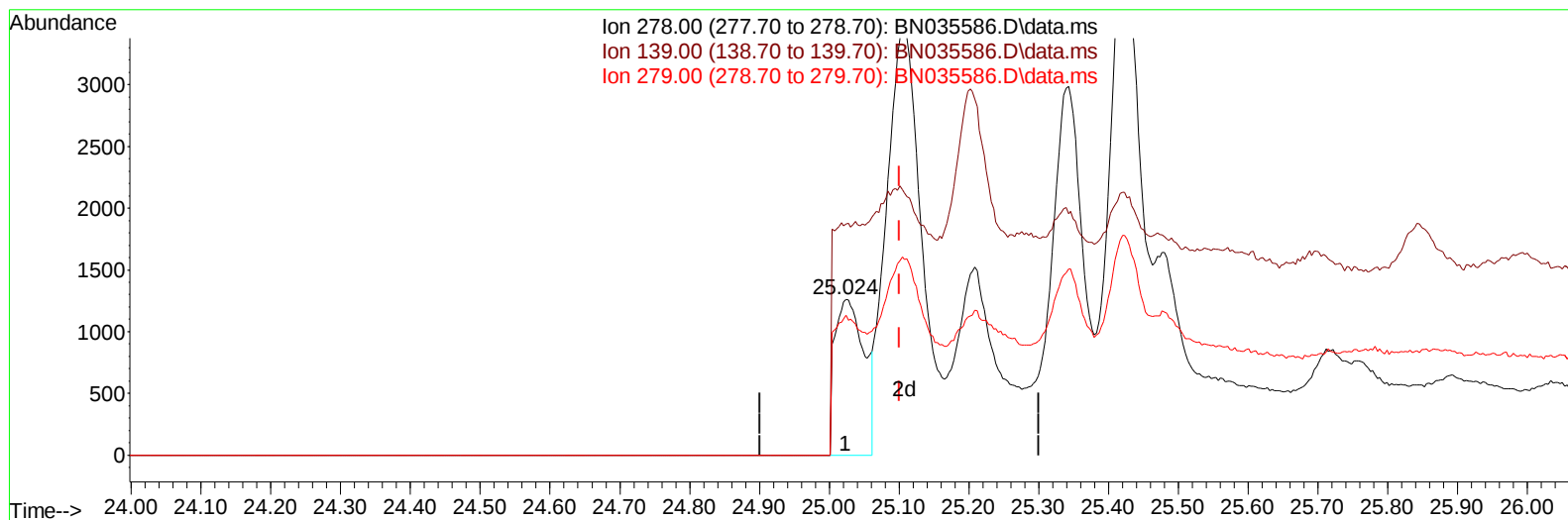
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 2024
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TIC: BN035586.D\data.ms

(28) Dibenzo(a,h)anthracene

25.024min (-0.077) 0.18 ng/u1

response 3658

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	148.26#
279.00	28.50	89.70#
0.00	0.00	0.00

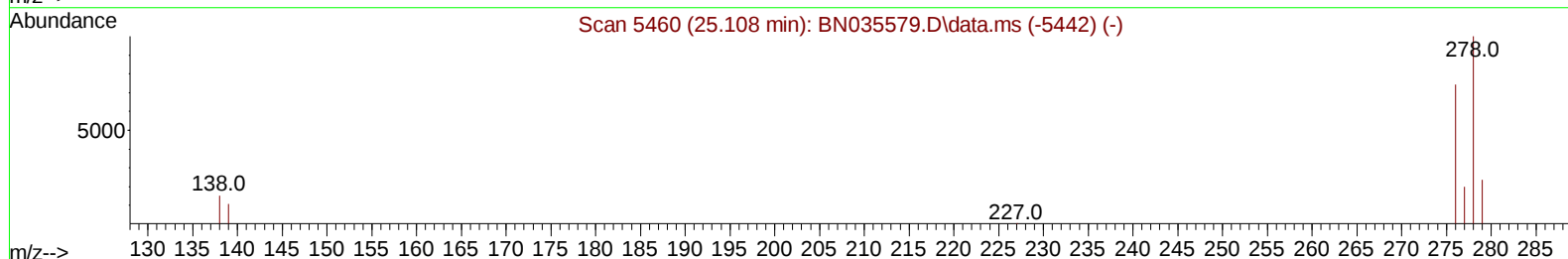
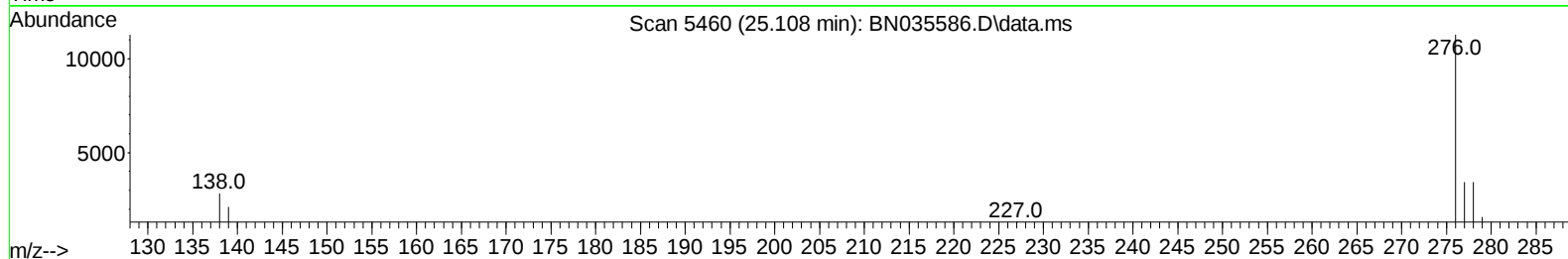
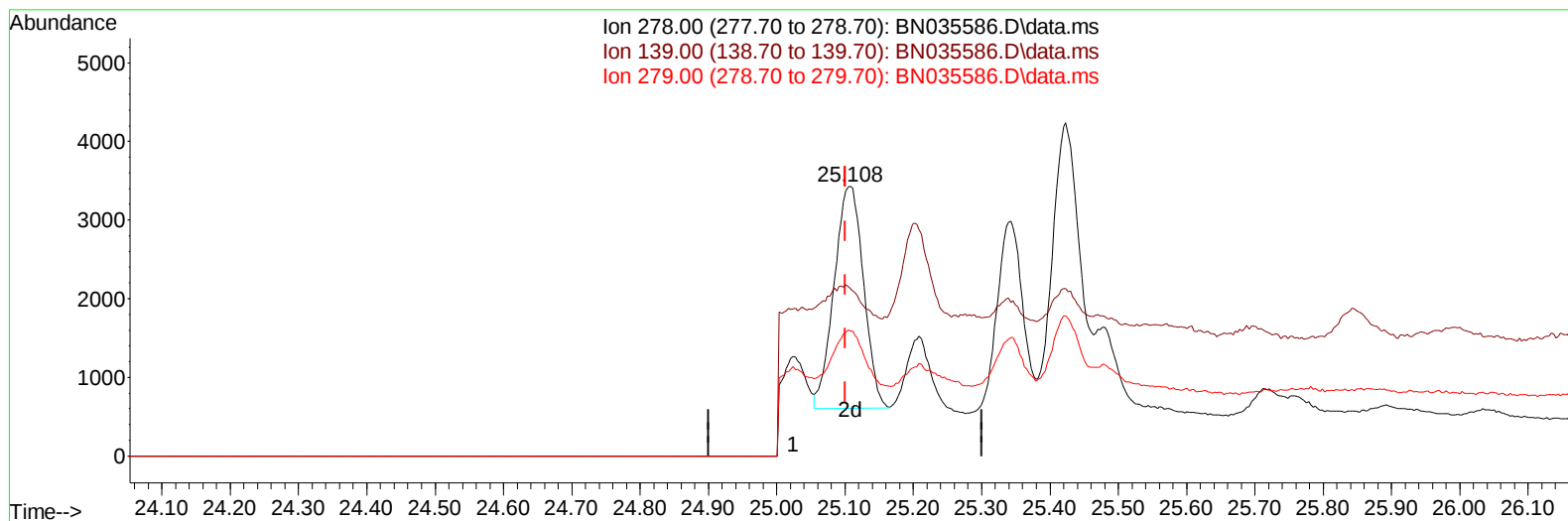
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN035586.D\data.ms

(28) Dibenzo(a,h)anthracene

25.108min (+ 0.007) 0.41 ng/ul m

response 8454

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	62.04#
279.00	28.50	46.25#
0.00	0.00	0.00

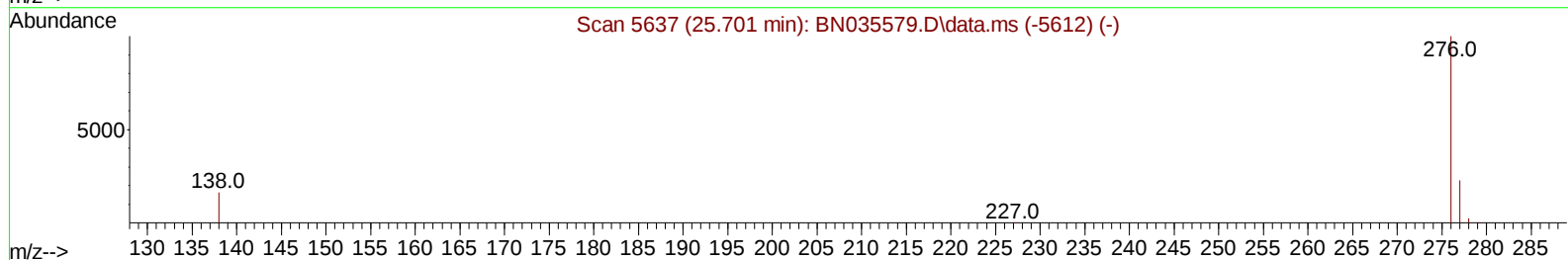
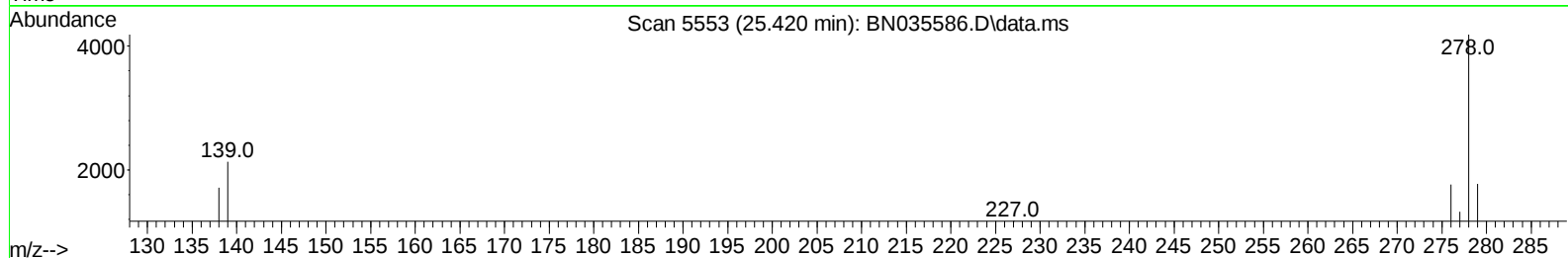
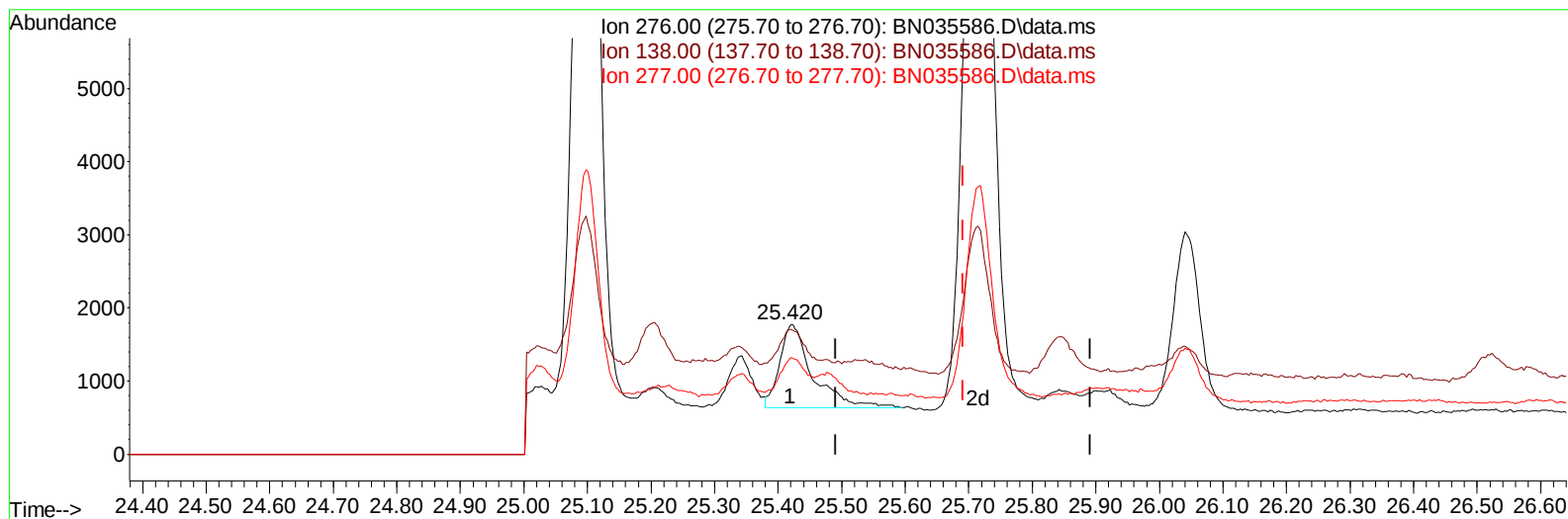
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

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



TIC: BN035586.D\data.ms

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

25.420min (-0.271) 0.20 ng/u1

response 4125

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	96.78#
277.00	25.60	74.69#
0.00	0.00	0.00

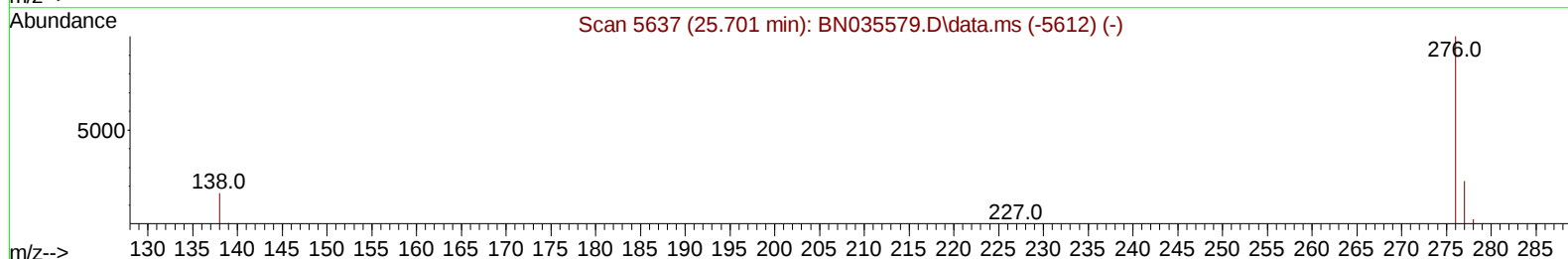
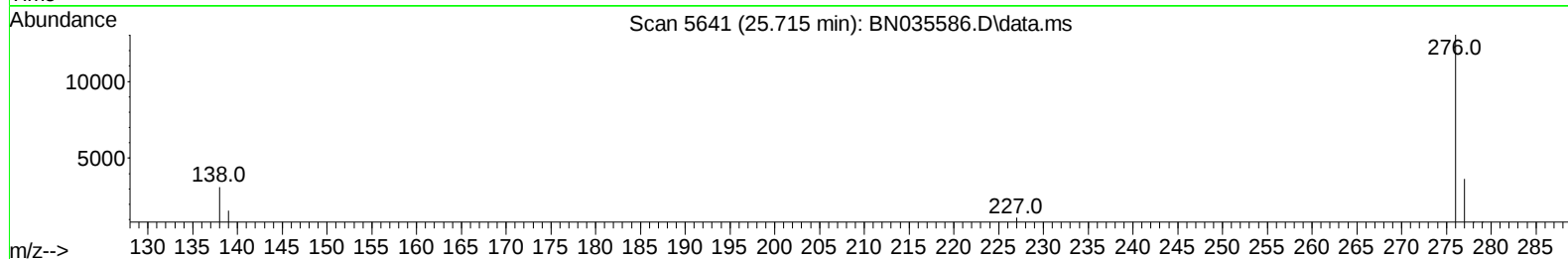
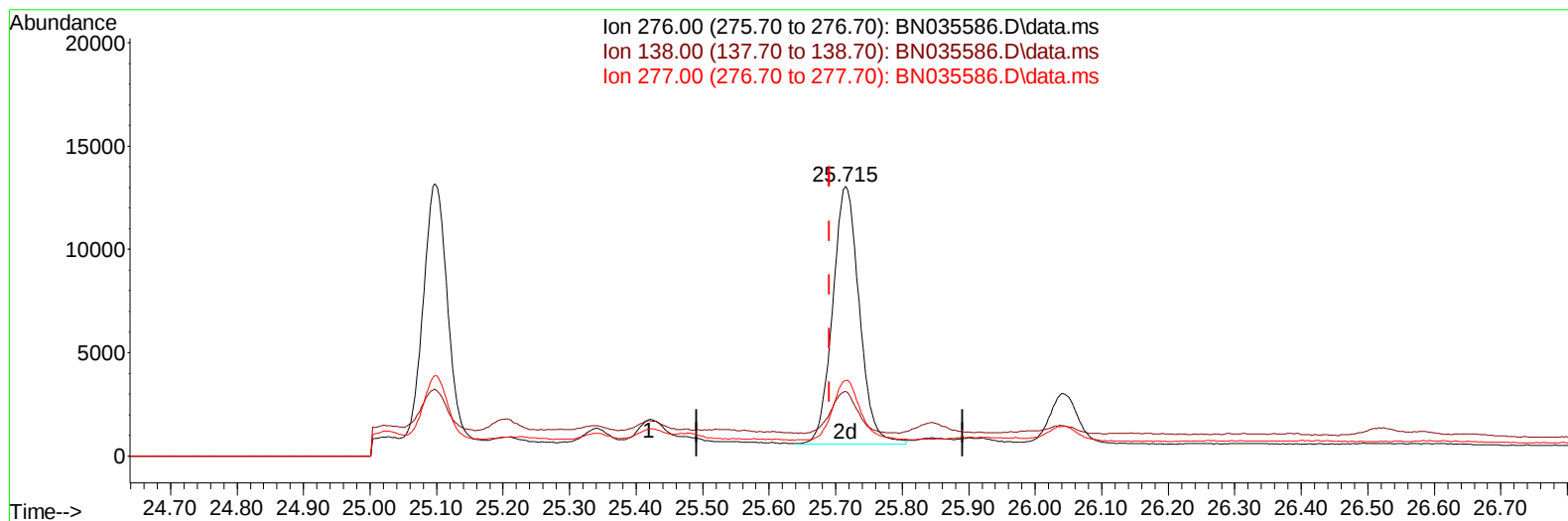
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
Data File : BN035586.D
Acq On : 12 Dec 2024 15:54
Operator : RC/JU
Sample : P5153-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 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: BN035586.D\data.ms

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

25.715min (+ 0.024) 1.68 ng/ul m

response 34820

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	23.92#
277.00	25.60	28.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121224\
 Data File : BN035586.D
 Acq On : 12 Dec 2024 15:54
 Operator : RC/JU
 Sample : P5153-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q2

Manual IntegrationsAPPROVED

Quant Time: Dec 12 16:59:15 2024
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 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	2178	0.400	ng/ul	0.00
4) Naphthalene-d8	10.037	136	6280	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.954	164	3827	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.722	188	7478m	0.400	ng/ul	0.00
17) Chrysene-d12	20.970	240	6082	0.400	ng/ul	# 0.00
23) Perylene-d12	23.063	264	6460m	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.964	96	8156	4.097	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	2401	0.261	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	4875	0.291	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.086	128	4874m	0.308	ng/ul	
7) 2-Methylnaphthalene	11.714	142	3003	0.274	ng/ul	97
8) 1-Methylnaphthalene	11.945	142	2221	0.201	ng/ul	96
10) Acenaphthylene	13.667	152	3342	0.220	ng/ul#	88
11) Acenaphthene	14.014	153	2615	0.225	ng/ul	98
12) Fluorene	15.018	166	3463	0.254	ng/ul#	95
15) Phenanthrene	16.760	178	65326	3.304	ng/ul	100
16) Anthracene	16.852	178	20729	1.130	ng/ul	98
19) Fluoranthene	18.805	202	92509	4.369	ng/ul	99
20) Pyrene	19.172	202	70823	3.214	ng/ul	97
21) Benzo(a)anthracene	20.953	228	38988	1.847	ng/ul#	88
22) Chrysene	21.005	228	44438	2.092	ng/ul#	93
24) Benzo(b)fluoranthene	22.451	252	57688m	2.702	ng/ul	
25) Benzo(k)fluoranthene	22.489	252	21071m	0.957	ng/ul	
26) Benzo(a)pyrene	22.975	252	39200m	2.009	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.098	276	31035m	1.178	ng/ul	
28) Dibenzo(a,h)anthracene	25.108	278	8454m	0.409	ng/ul	
29) Benzo(g,h,i)perylene	25.715	276	34820m	1.676	ng/ul	

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

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BNA_N
ClientSampleId :
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