

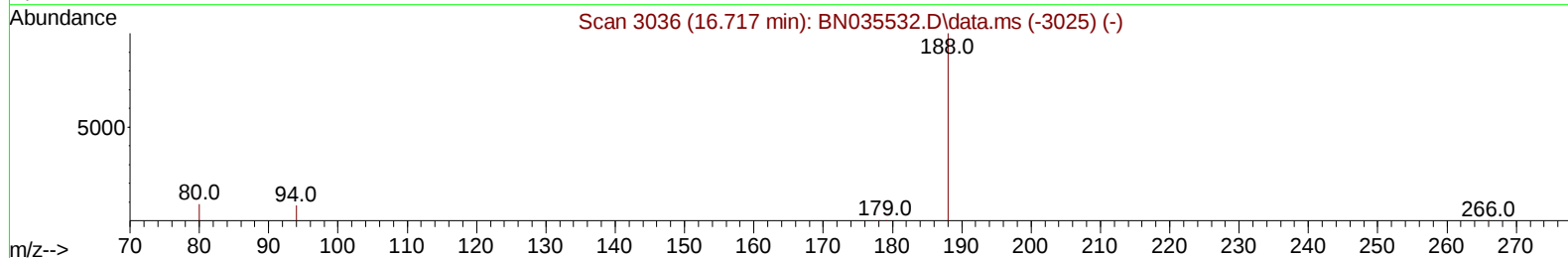
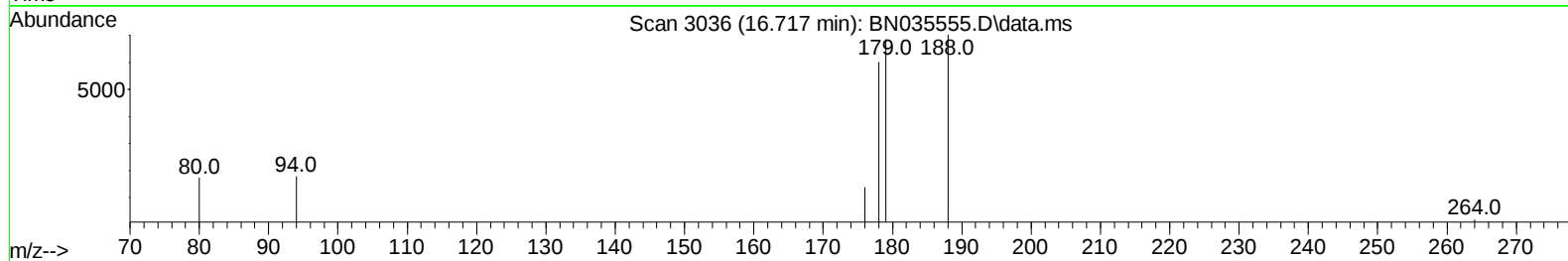
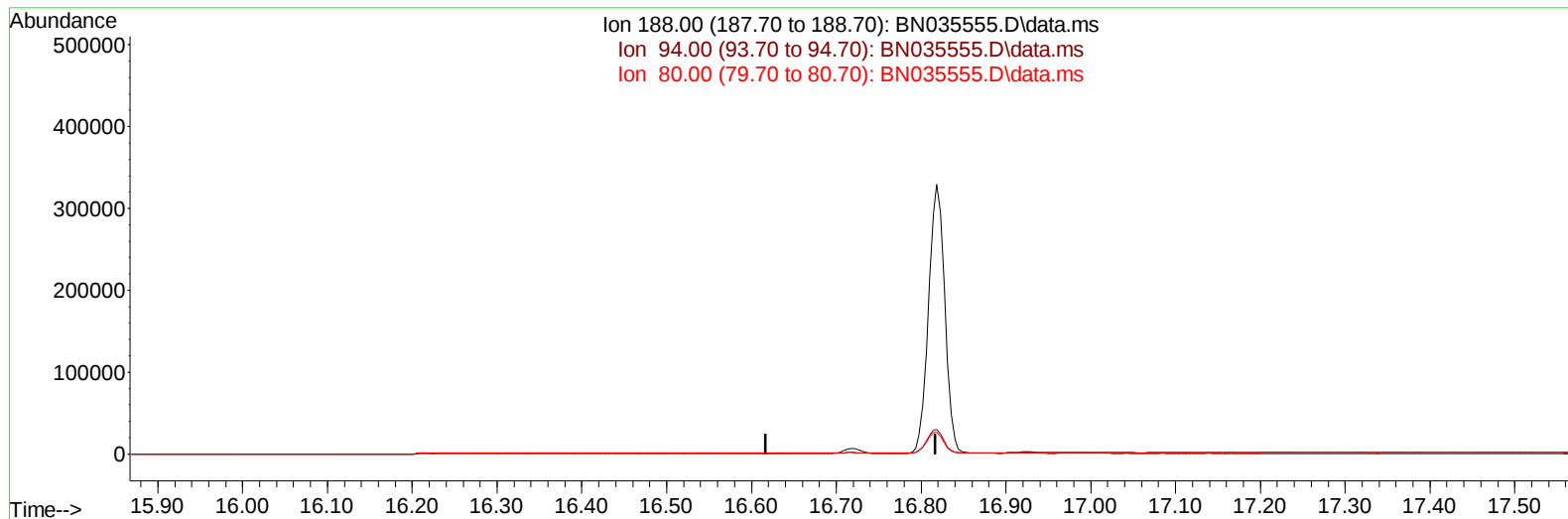
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:16:30 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 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035555.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

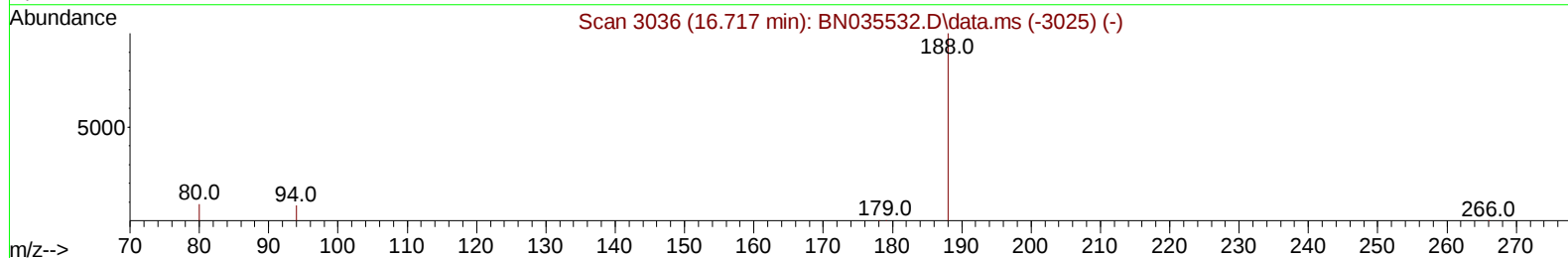
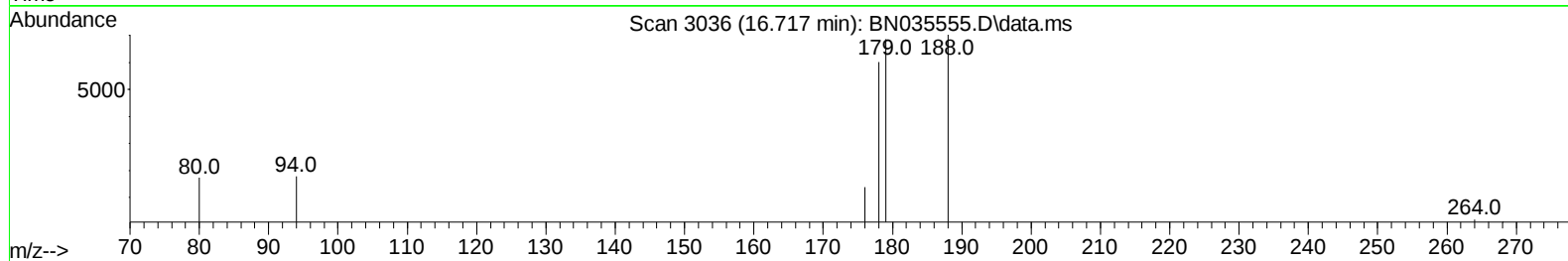
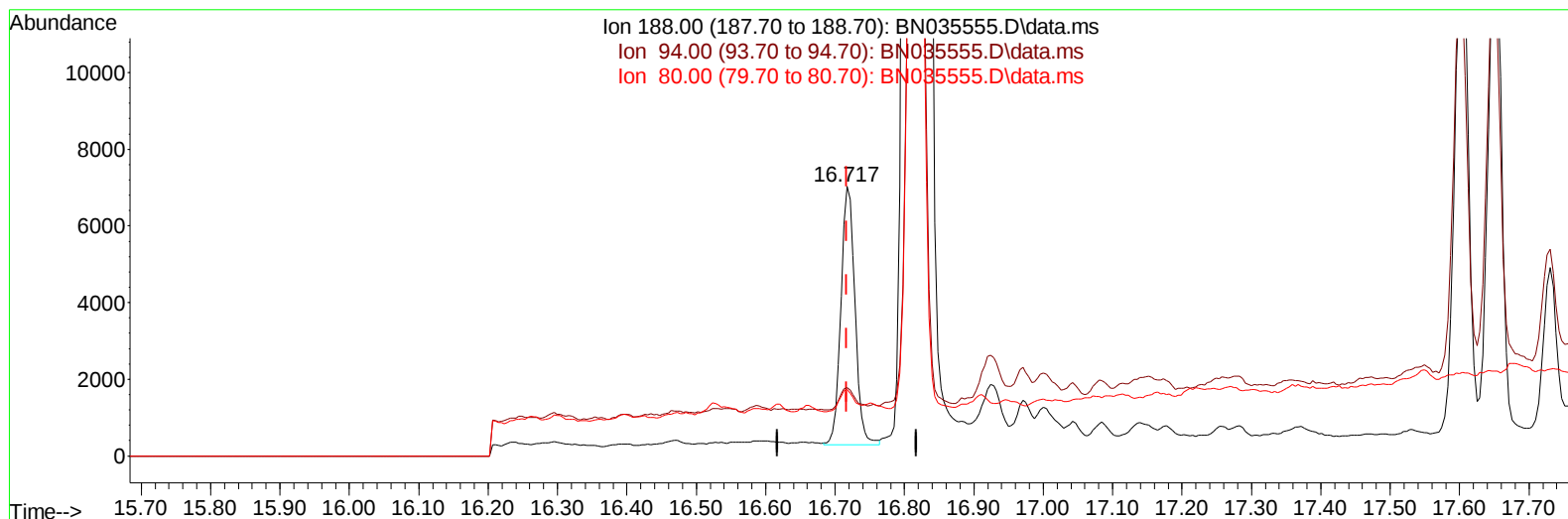
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/12/2024
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TIC: BN035555.D\data.ms

(13) Phenanthrene-d10 (I)

16.717min (+ 0.000) 0.40 ng/ul m

response 9560

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	25.47#
80.00	7.60	24.63#
0.00	0.00	0.00

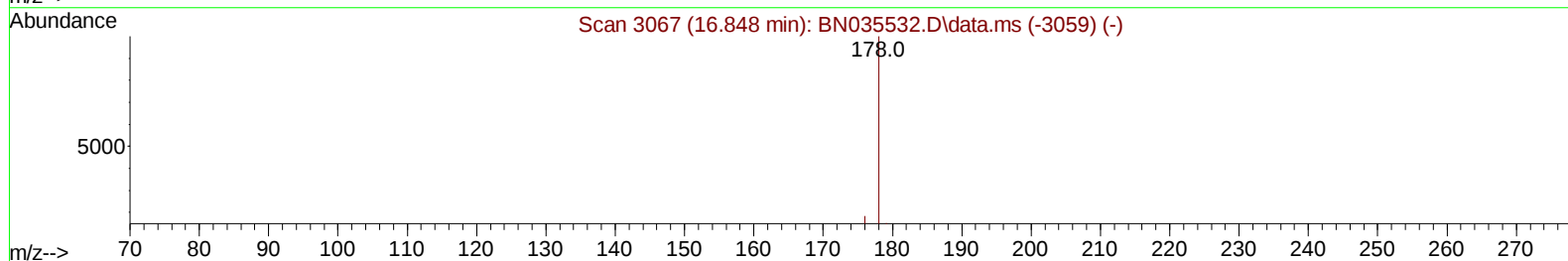
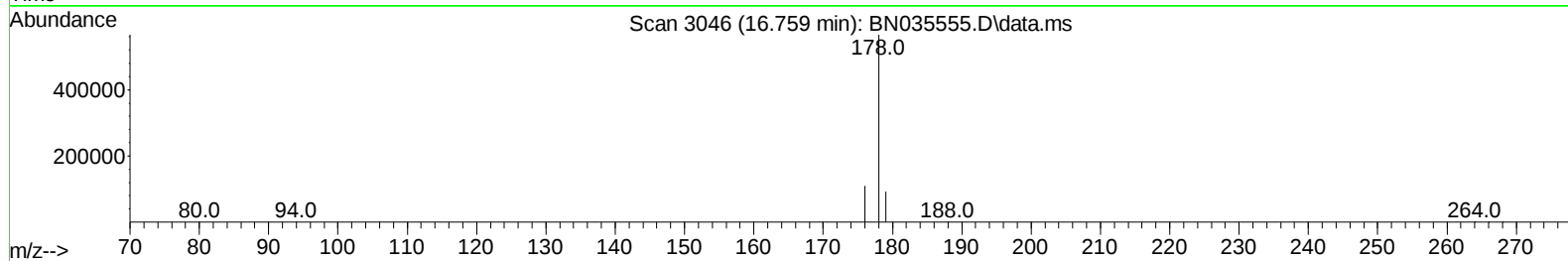
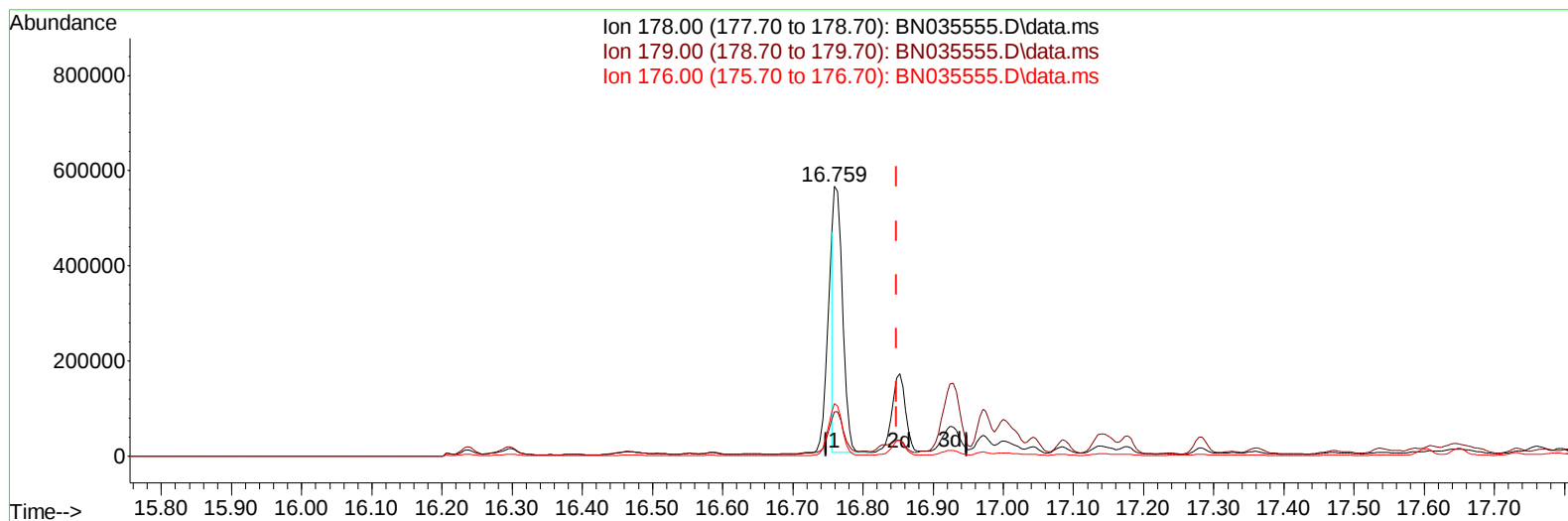
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
 Data File : BN035555.D
 Acq On : 11 Dec 2024 05:54
 Operator : RC/JU
 Sample : P5066-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28M2

Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

(16) Anthracene

16.759min (-0.089) 21.55 ng/u1

response 505454

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	16.41
176.00	19.30	19.39
0.00	0.00	0.00

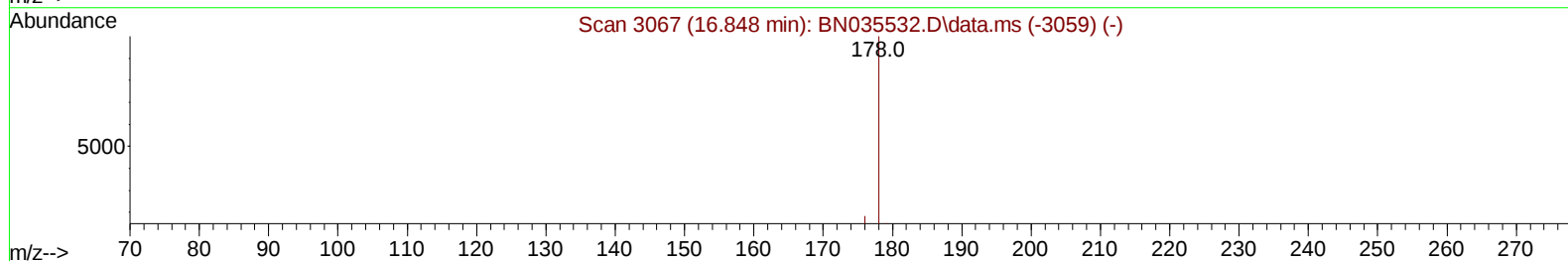
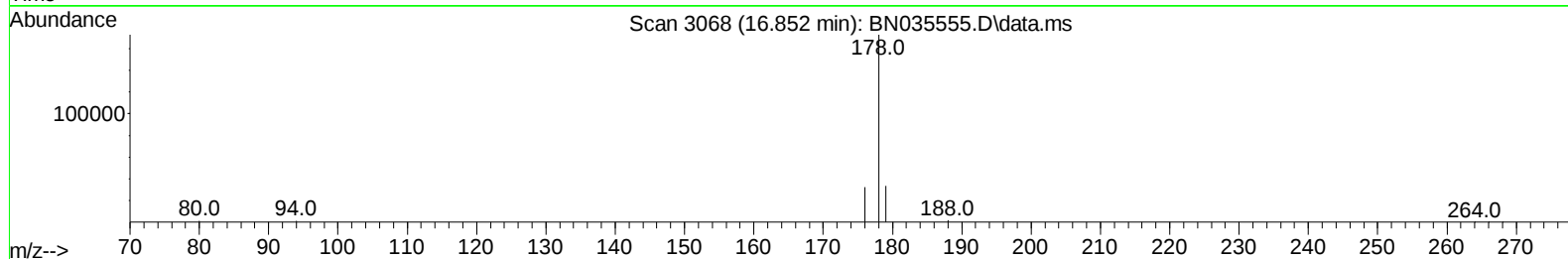
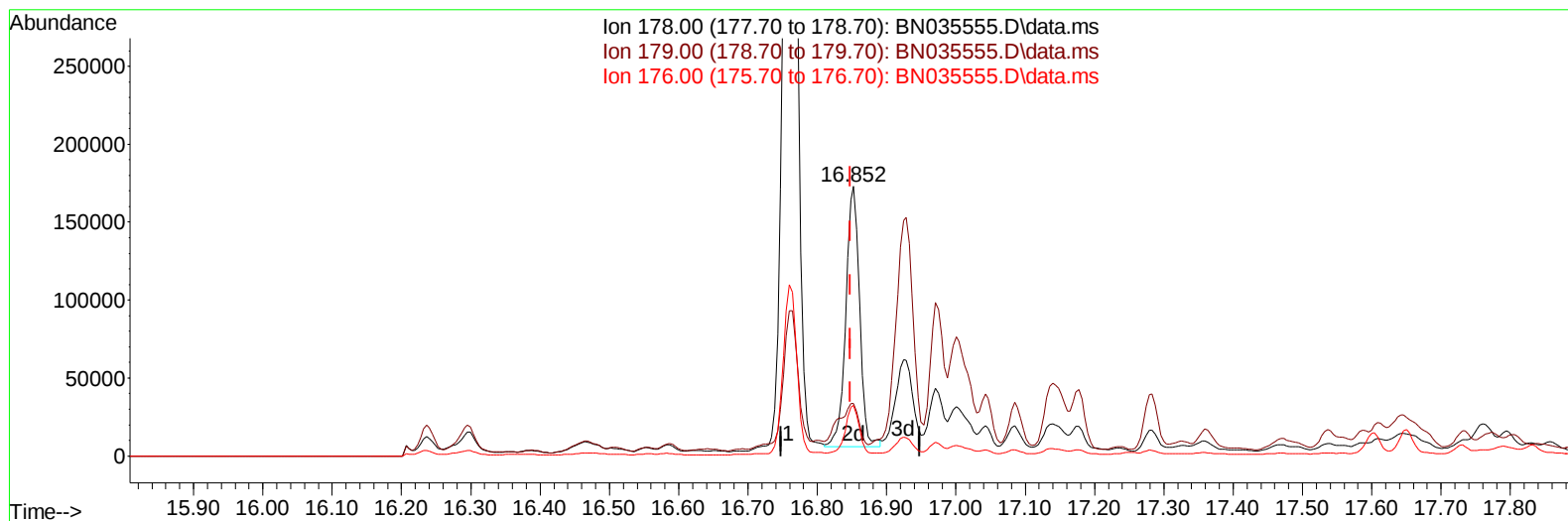
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
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Instrument :
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Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

(16) Anthracene

16.852min (+ 0.004) 9.85 ng/u1 m

response 231158

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.10	19.41#
176.00	19.30	18.65
0.00	0.00	0.00

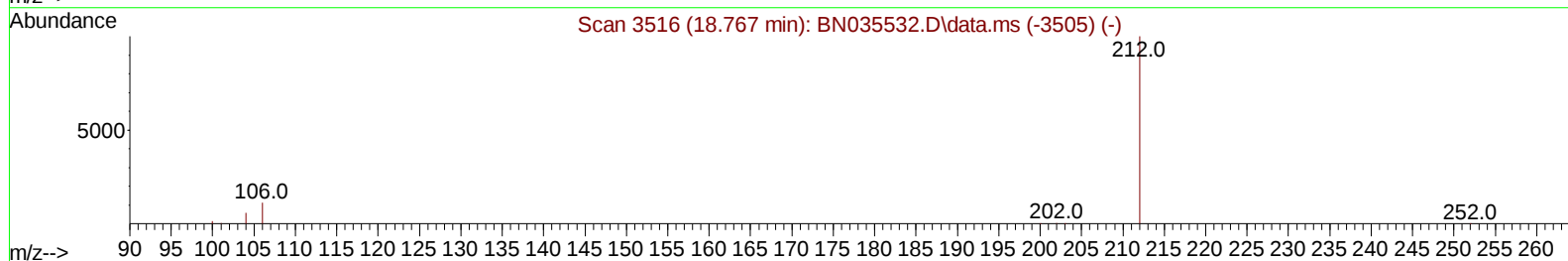
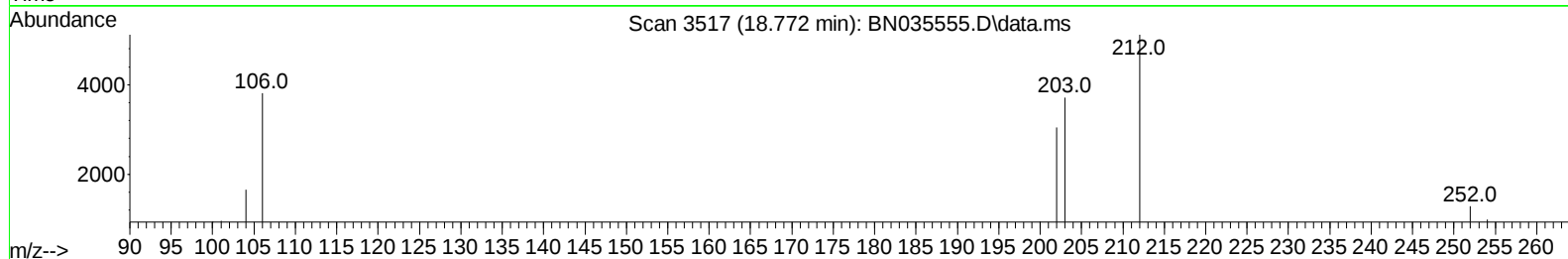
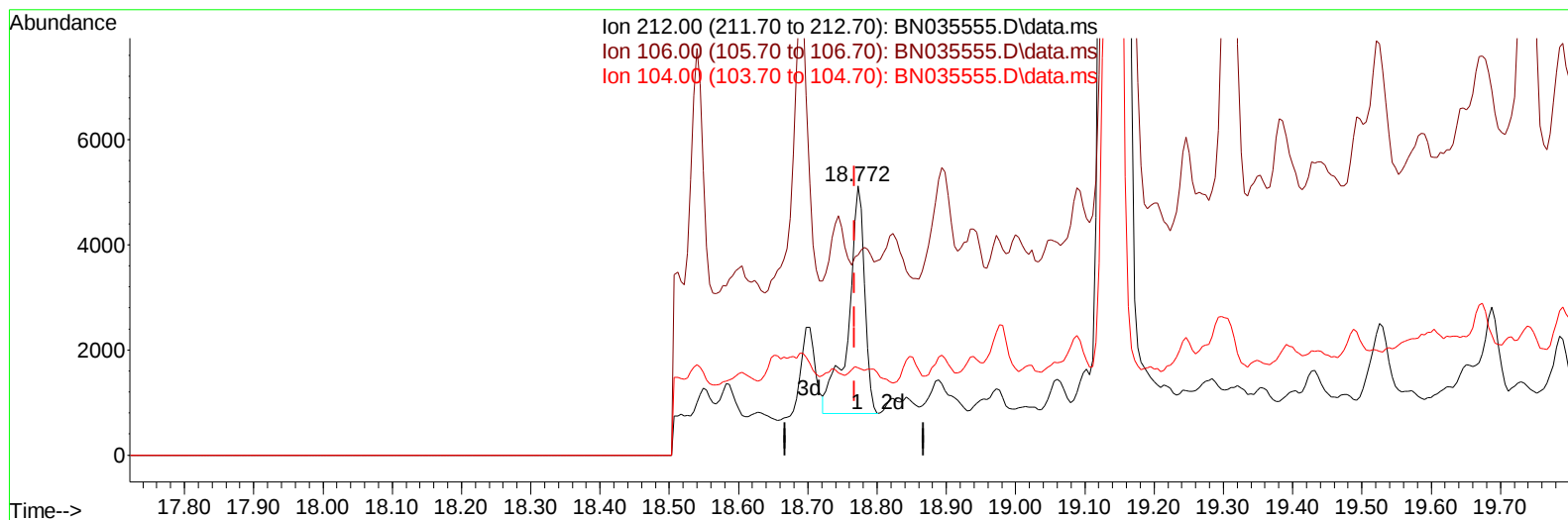
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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

Quant Time: Dec 11 06:16:30 2024
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TIC: BN035555.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.772min (+ 0.005) 0.38 ng/u1

response 7064

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	8.00	15.08#
104.00	4.70	11.24#
0.00	0.00	0.00

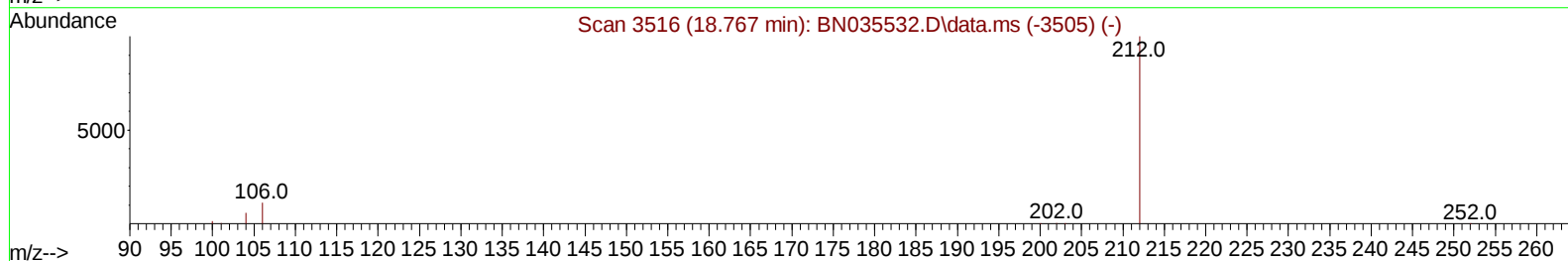
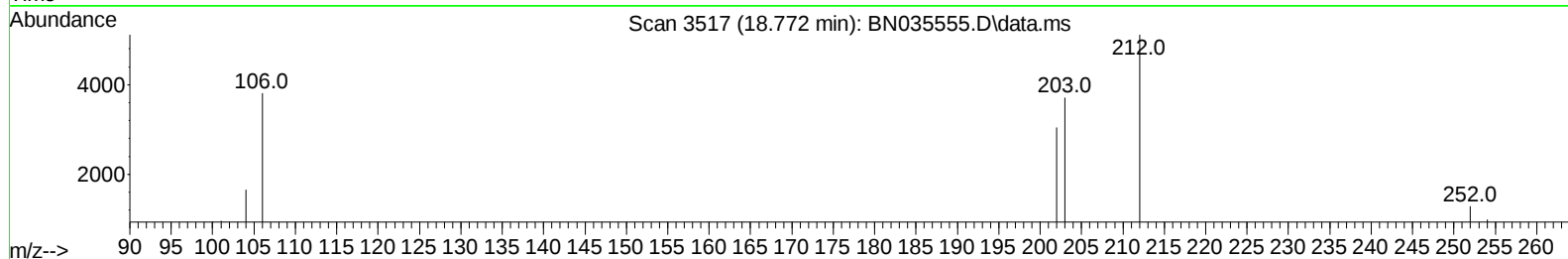
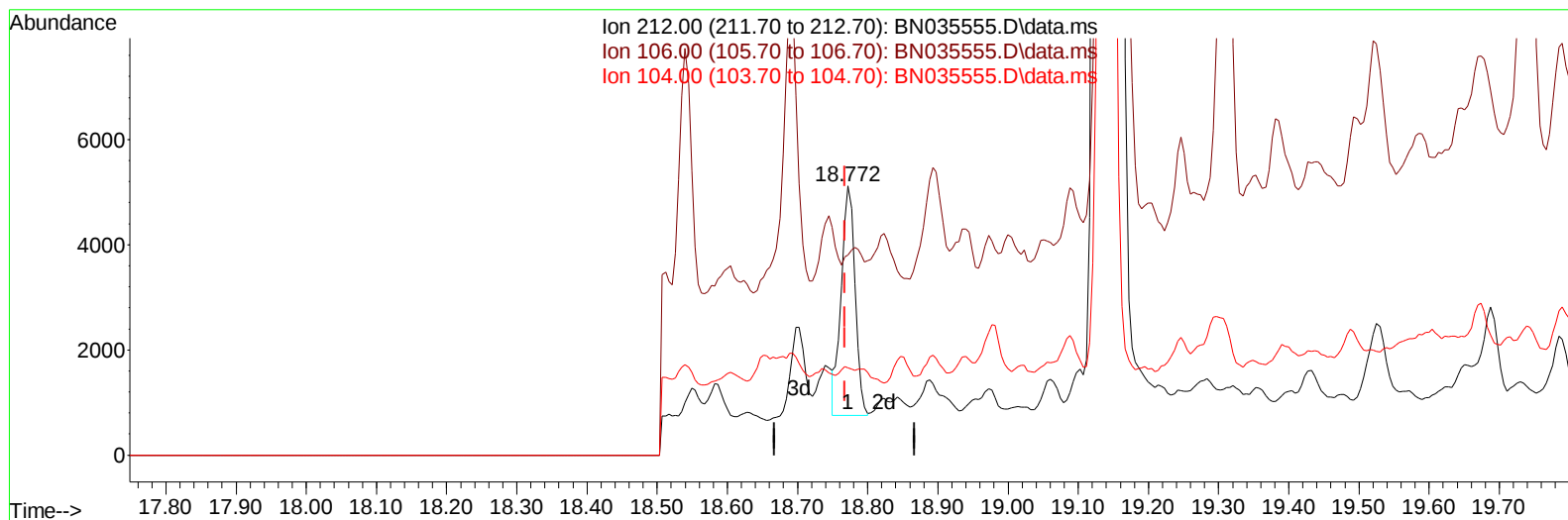
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:16:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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TIC: BN035555.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.772min (+ 0.005) 0.32 ng/u1 m

response 5929

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	8.00	17.96#
104.00	4.70	13.39#
0.00	0.00	0.00

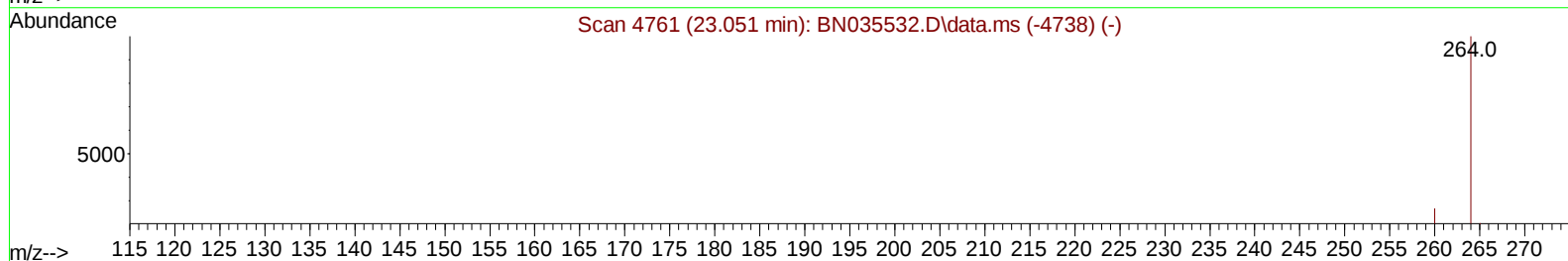
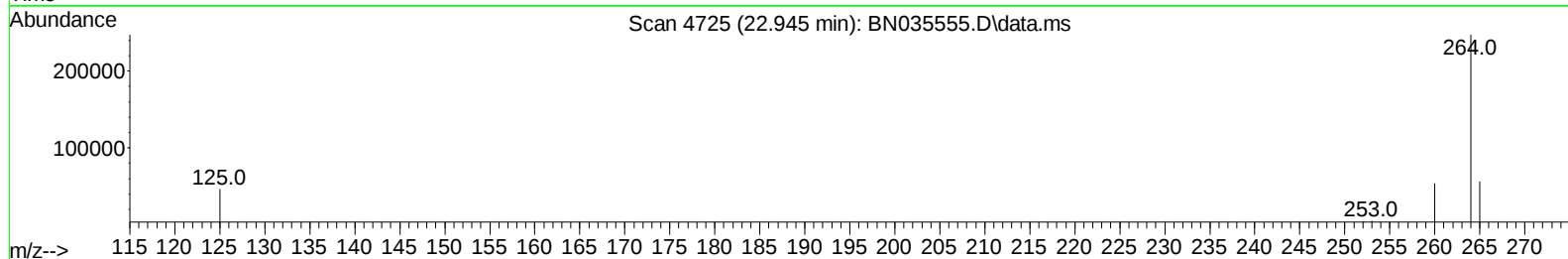
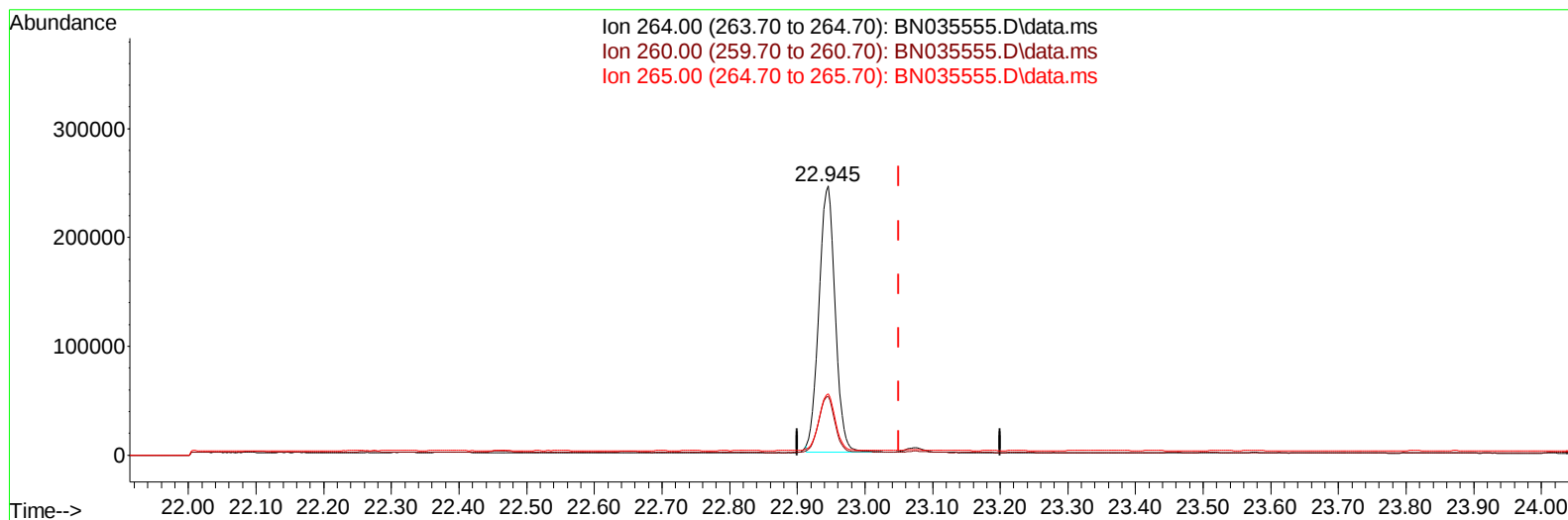
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
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Quant Time: Dec 11 06:16:30 2024
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TIC: BN035555.D\data.ms

(23) Perylene-d12 (I)

22.945min (-0.105) 0.40 ng/u1

response 407606

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.75
265.00	75.50	22.68#
0.00	0.00	0.00

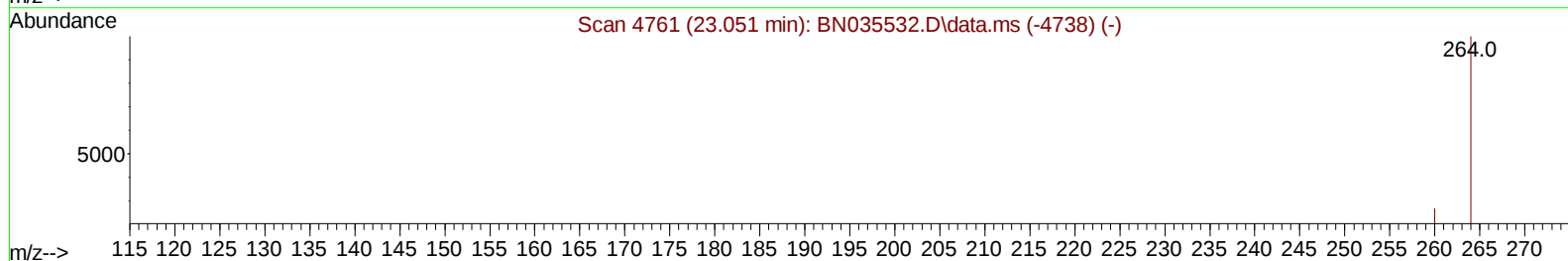
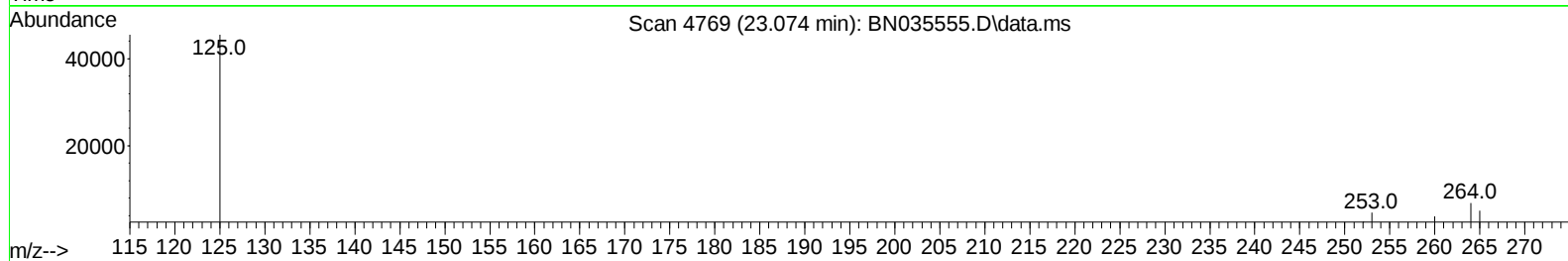
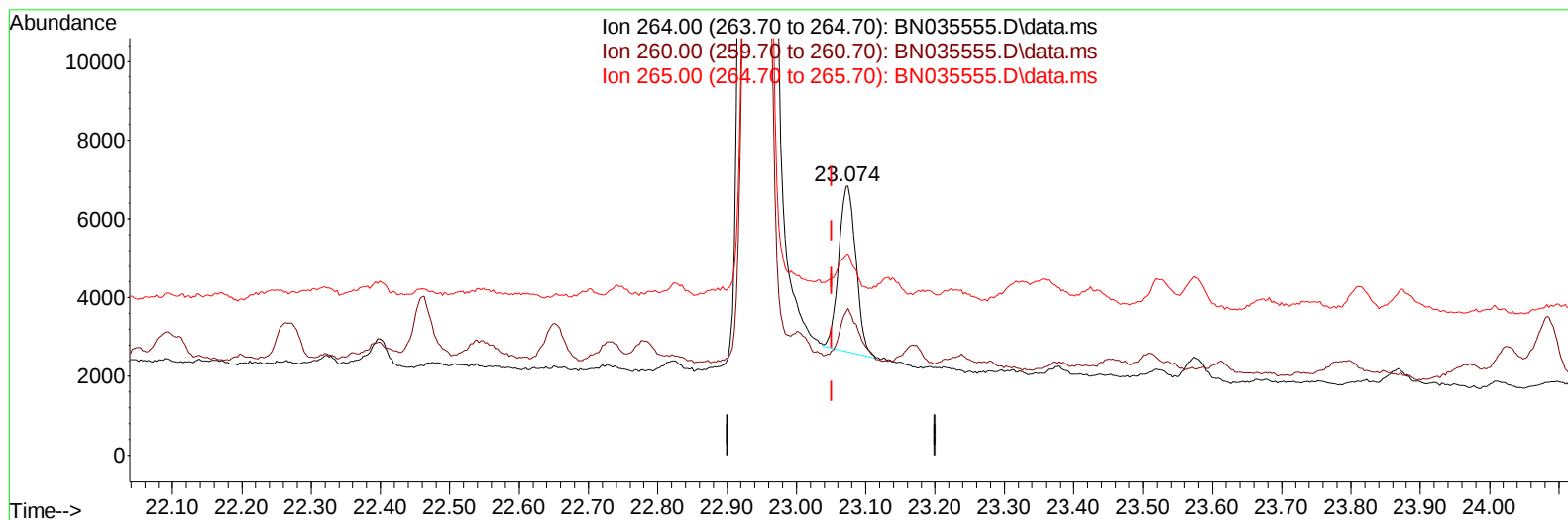
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:16:30 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 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035555.D\data.ms

(23) Perylene-d12 (I)

23.074min (+ 0.024) 0.40 ng/ul m

response 7258

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	54.60#
265.00	75.50	74.85
0.00	0.00	0.00

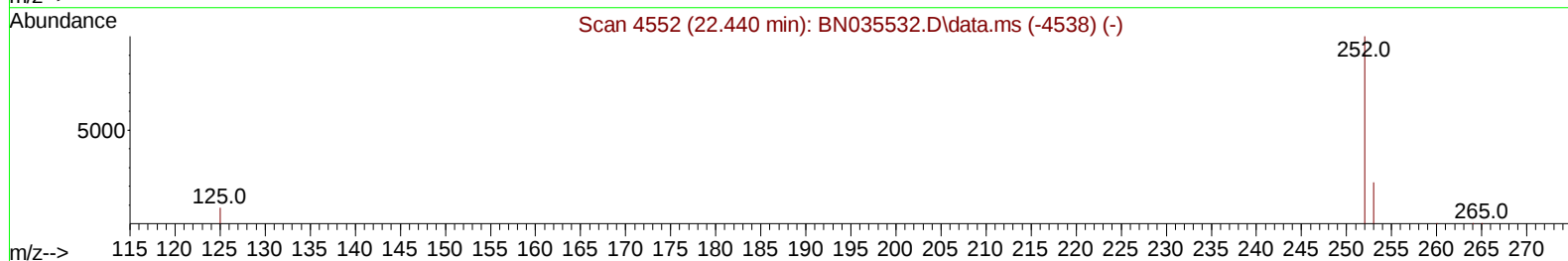
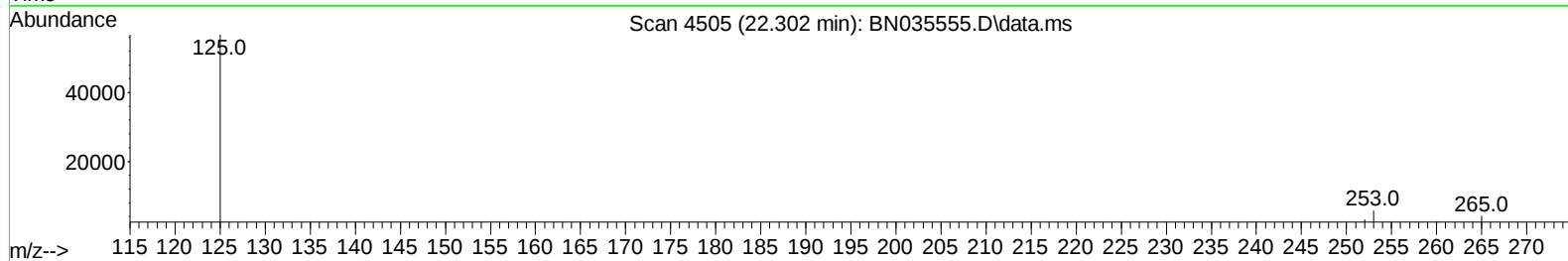
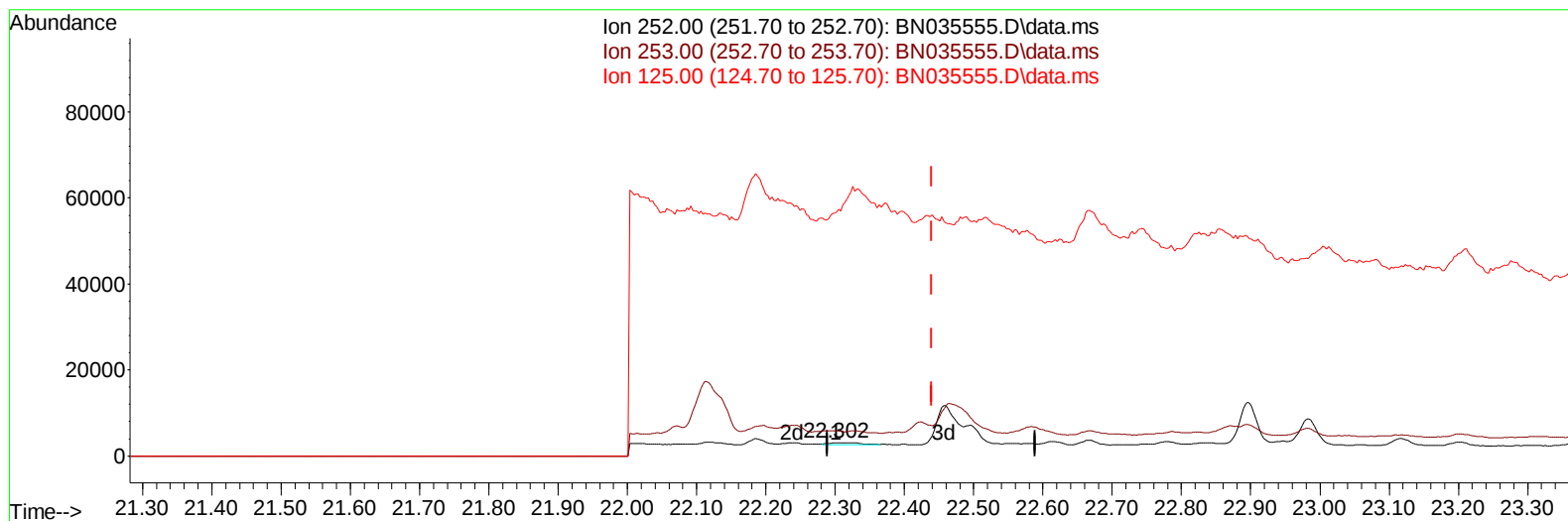
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

(24) Benzo(b)fluoranthene

22.302min (-0.137) 0.05 ng/u1

response 1248

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	186.72#
125.00	9.70	1825.52#
0.00	0.00	0.00

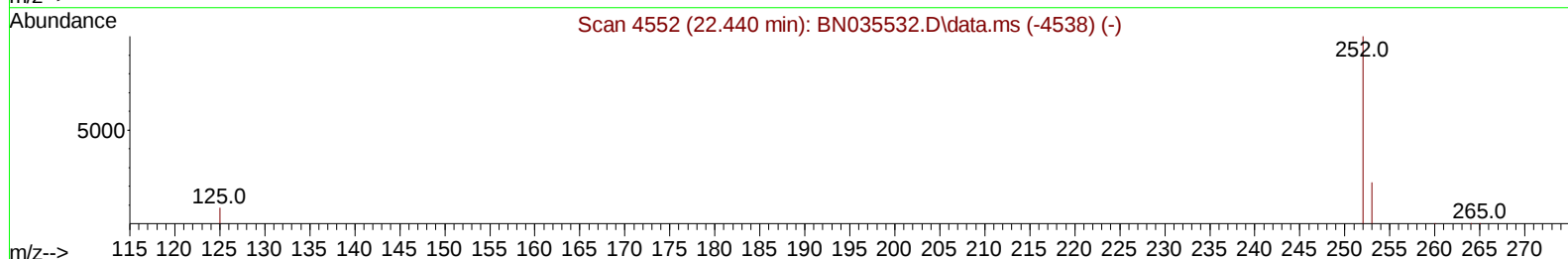
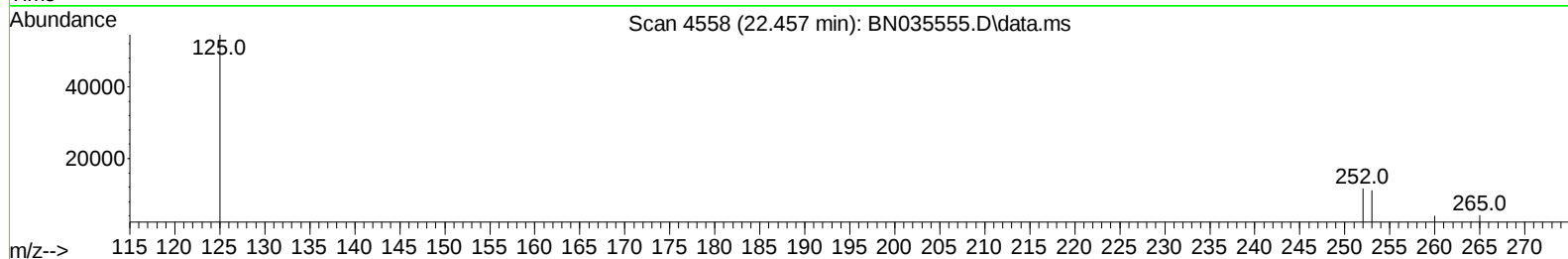
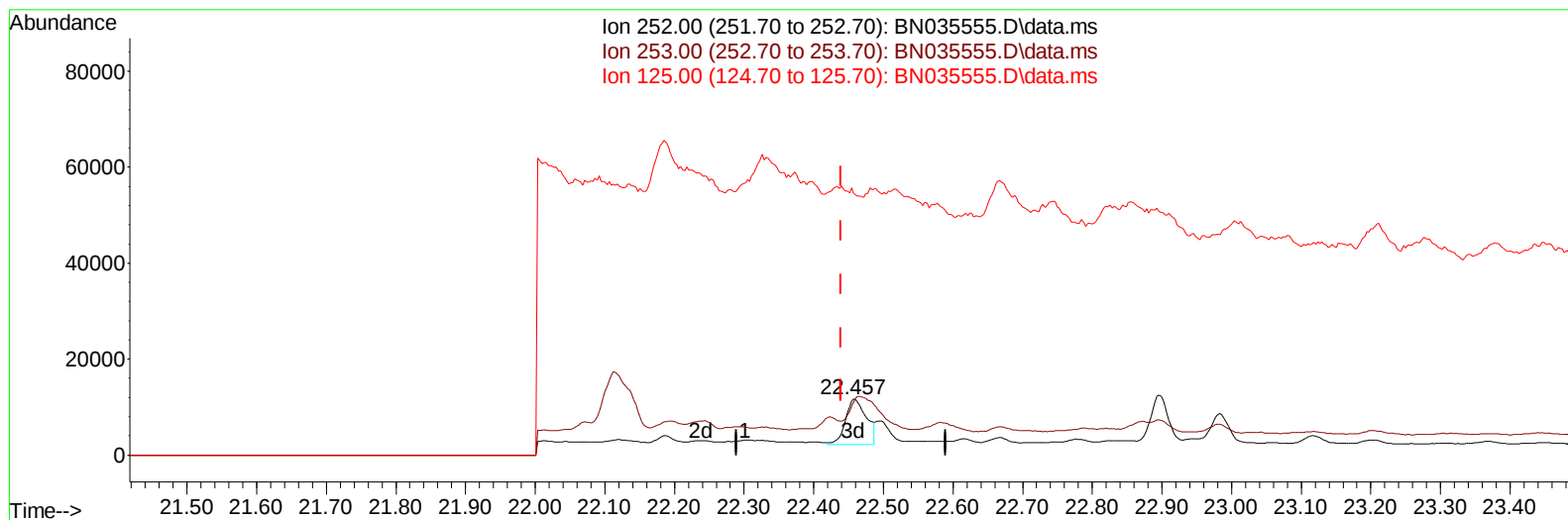
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
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TIC: BN035555.D\data.ms

(24) Benzo(b)fluoranthene

22.457min (+ 0.018) 0.83 ng/u1 m

response 19805

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	94.66#
125.00	9.70	465.19#
0.00	0.00	0.00

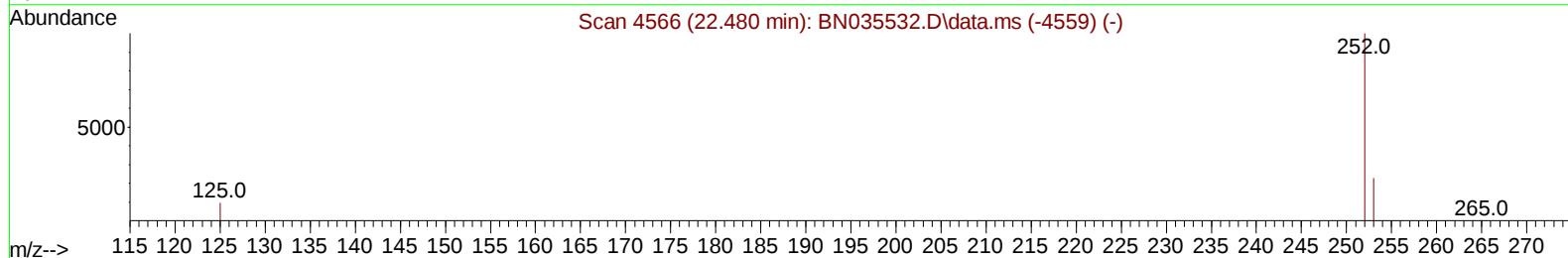
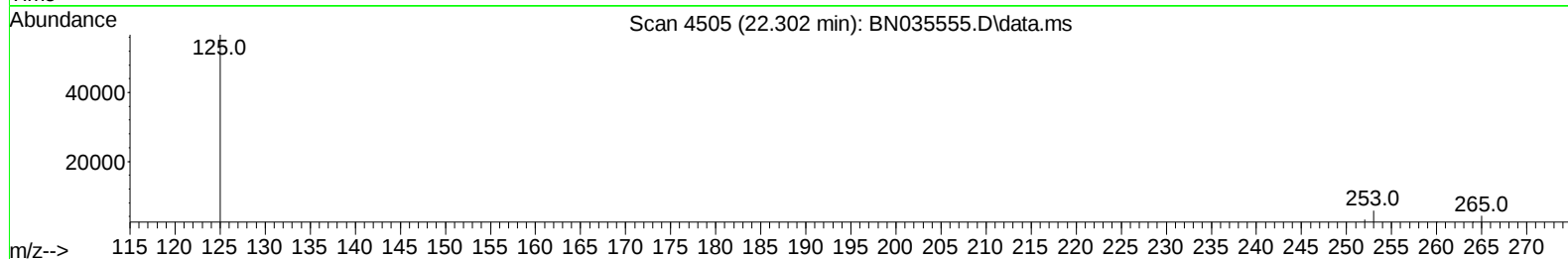
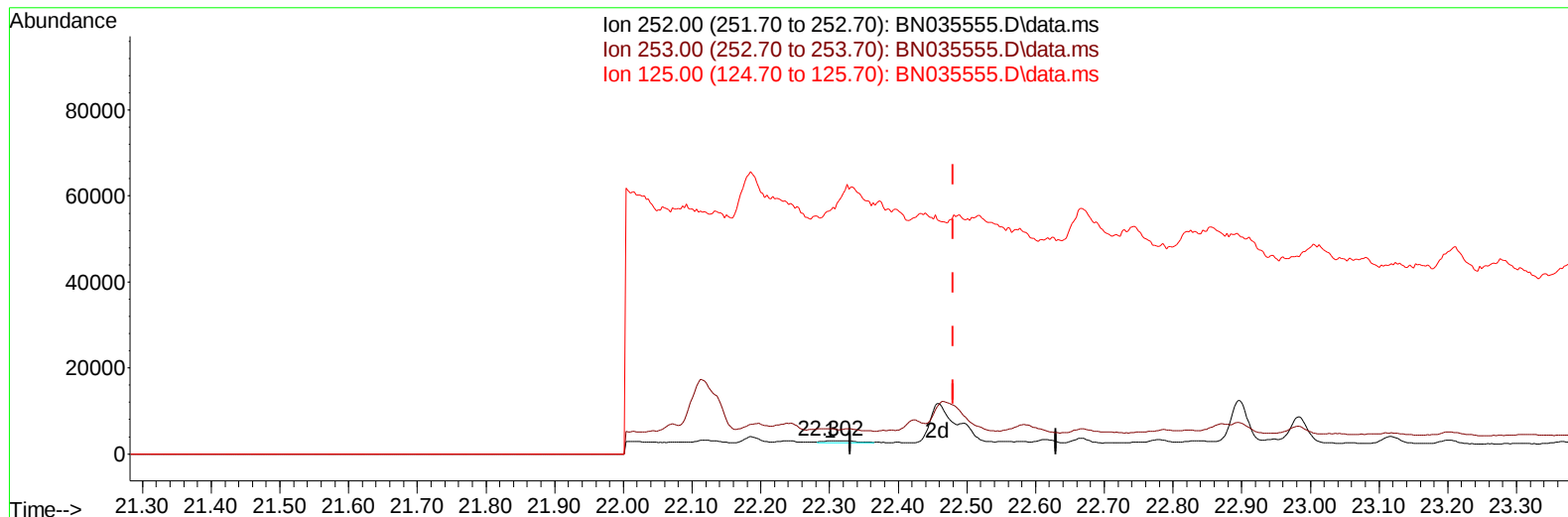
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

(25) Benzo(k)fluoranthene

22.302min (-0.178) 0.05 ng/u1

response 1248

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	186.72#
125.00	10.70	1825.52#
0.00	0.00	0.00

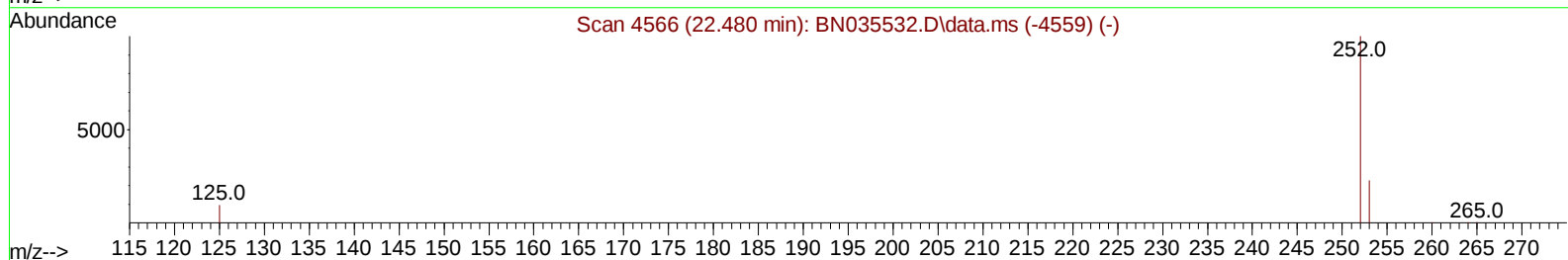
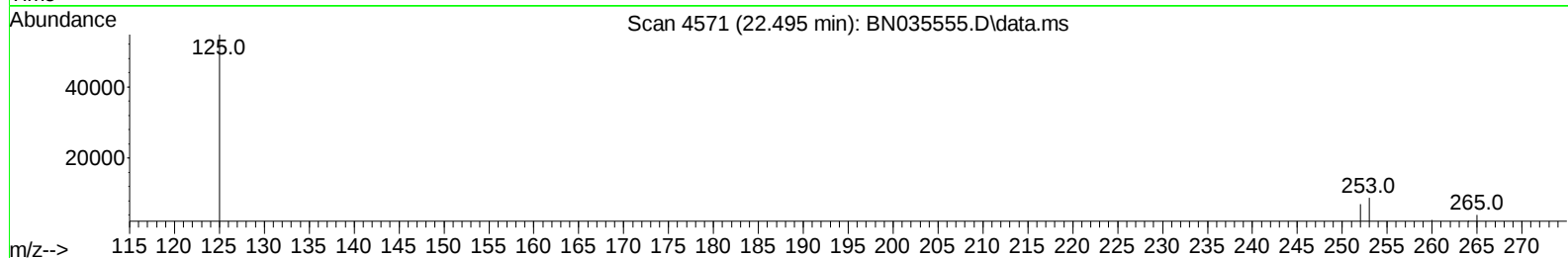
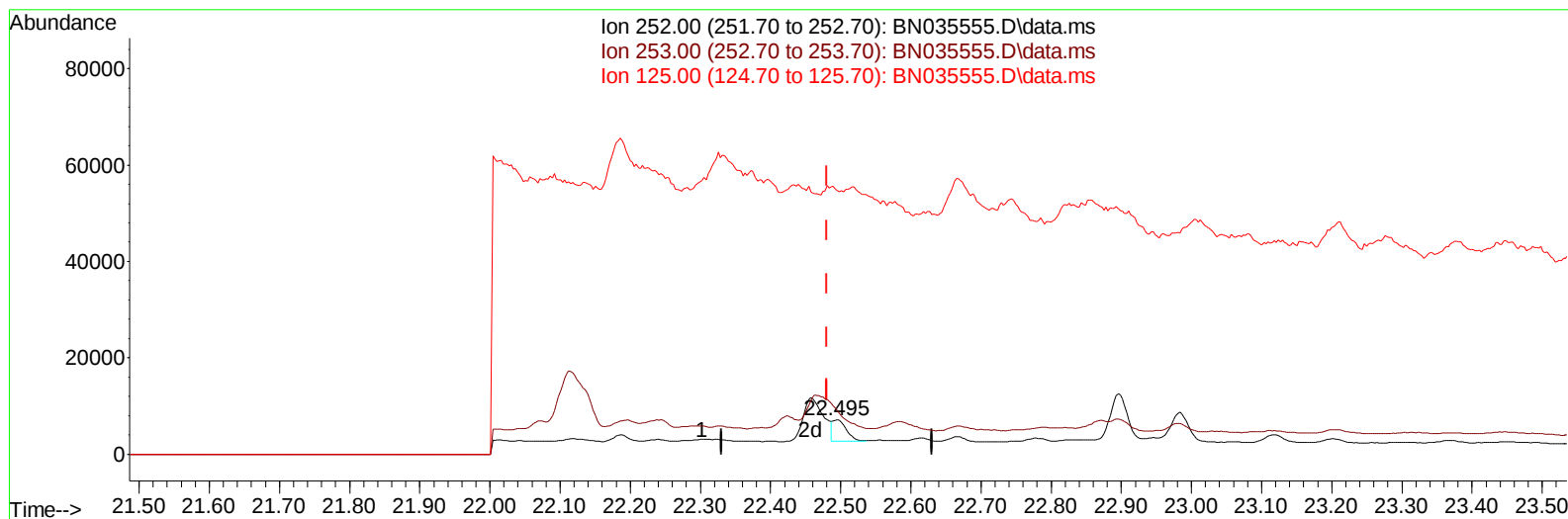
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
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Supervised By :mohammad ahmed 12/12/2024



TIC: BN035555.D\data.ms

(25) Benzo(k)fluoranthene

22.495min (+ 0.015) 0.24 ng/u1 m

response 5916

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	125.65#
125.00	10.70	767.54#
0.00	0.00	0.00

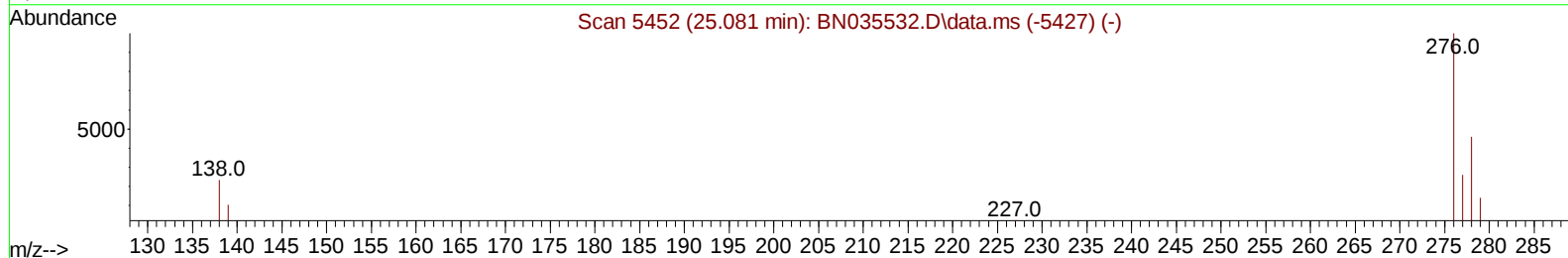
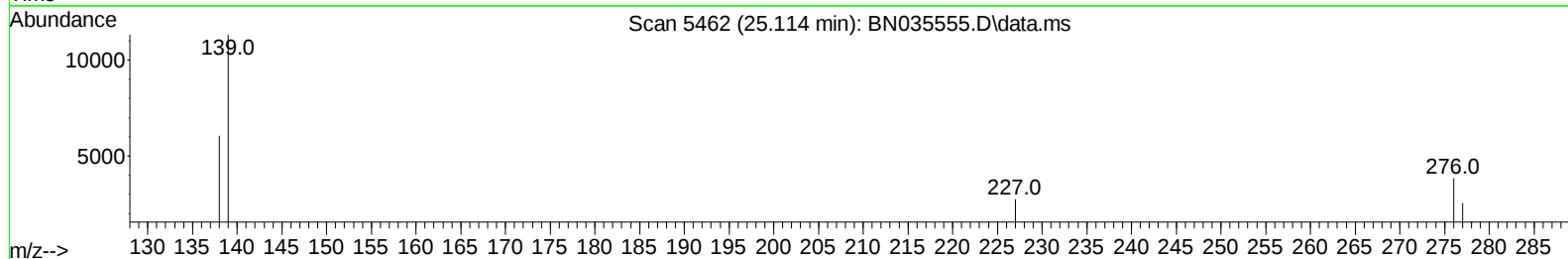
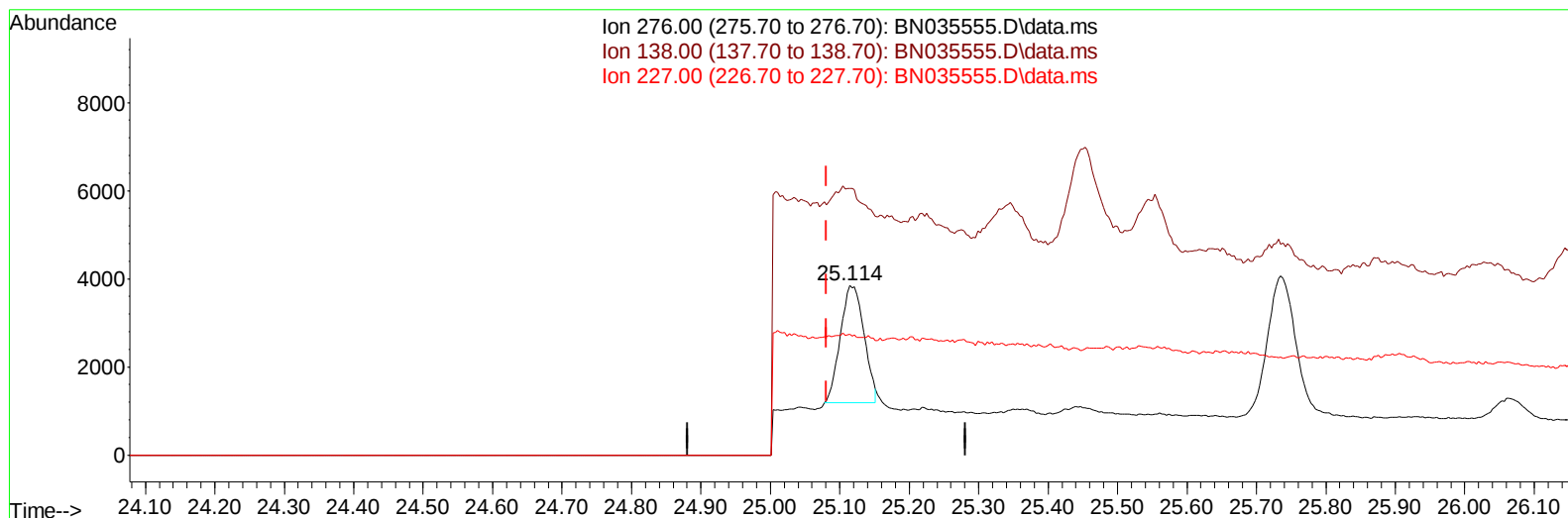
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

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

25.114min (+ 0.034) 0.21 ng/u1

response 6308

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	829.23#
227.00	0.30	0.00#
0.00	0.00	0.00

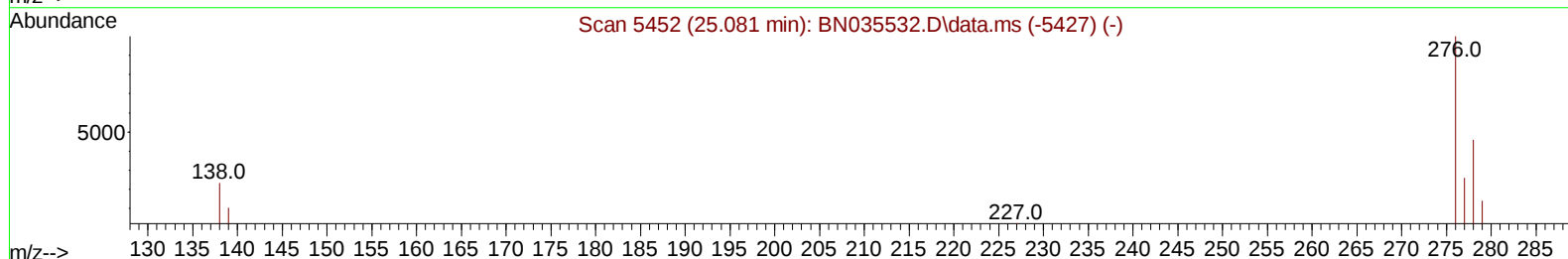
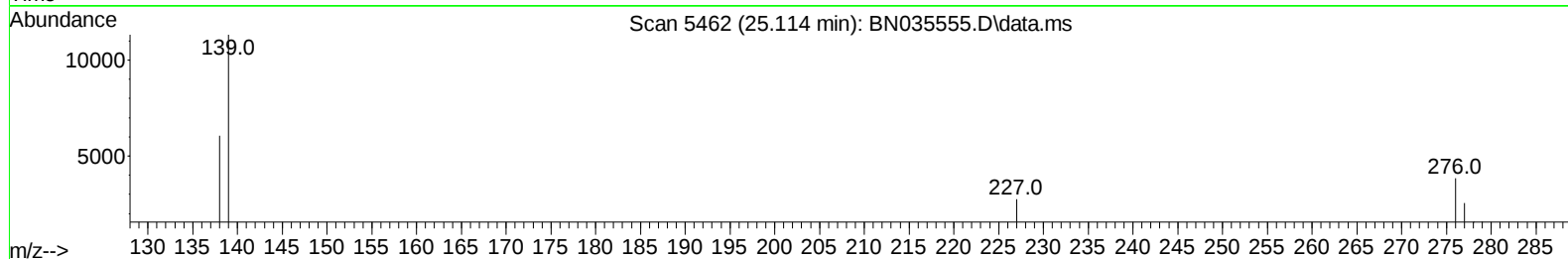
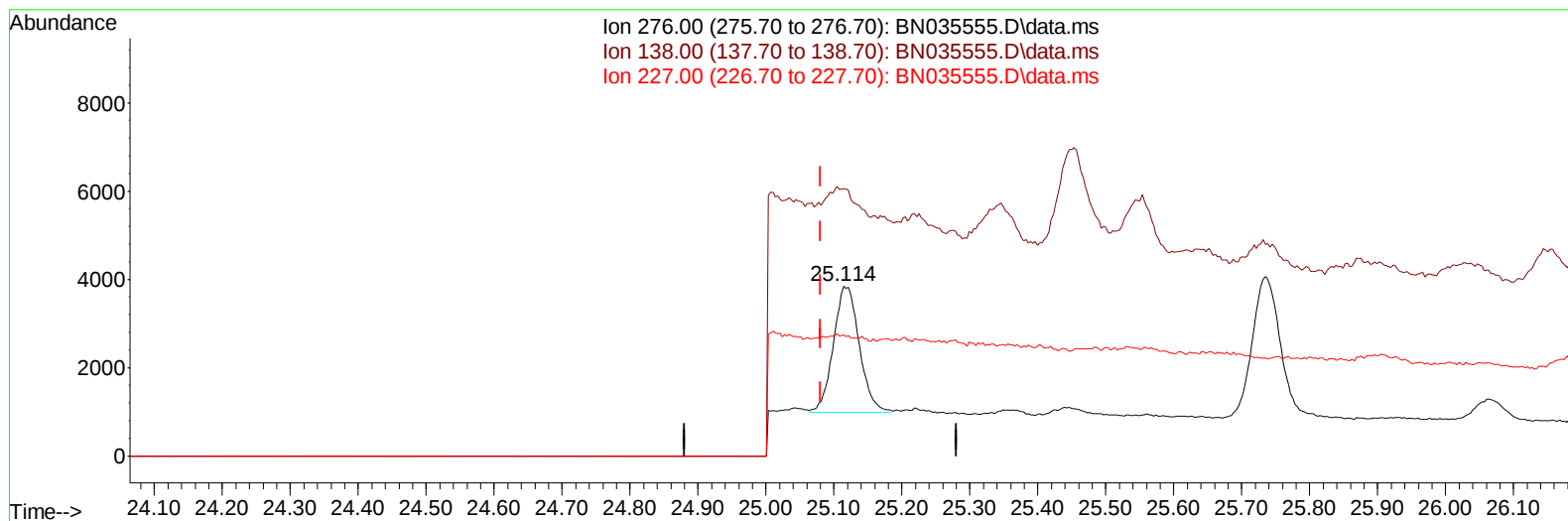
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

Quant Time: Dec 11 06:16:30 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 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035555.D\data.ms

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

25.114min (+ 0.034) 0.26 ng/ul m

response 7617

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	686.73#
227.00	0.30	0.00#
0.00	0.00	0.00

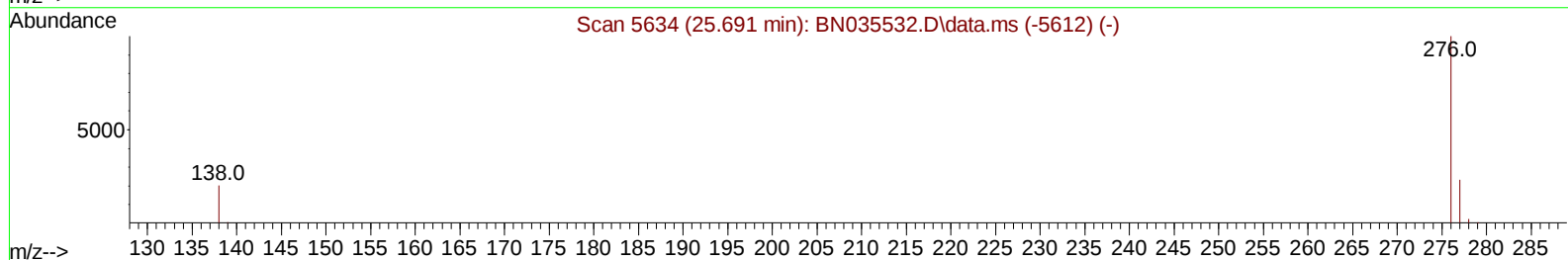
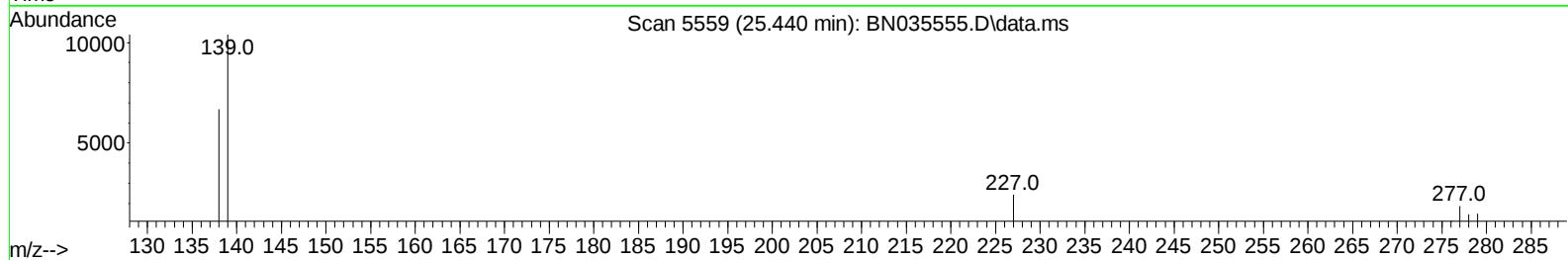
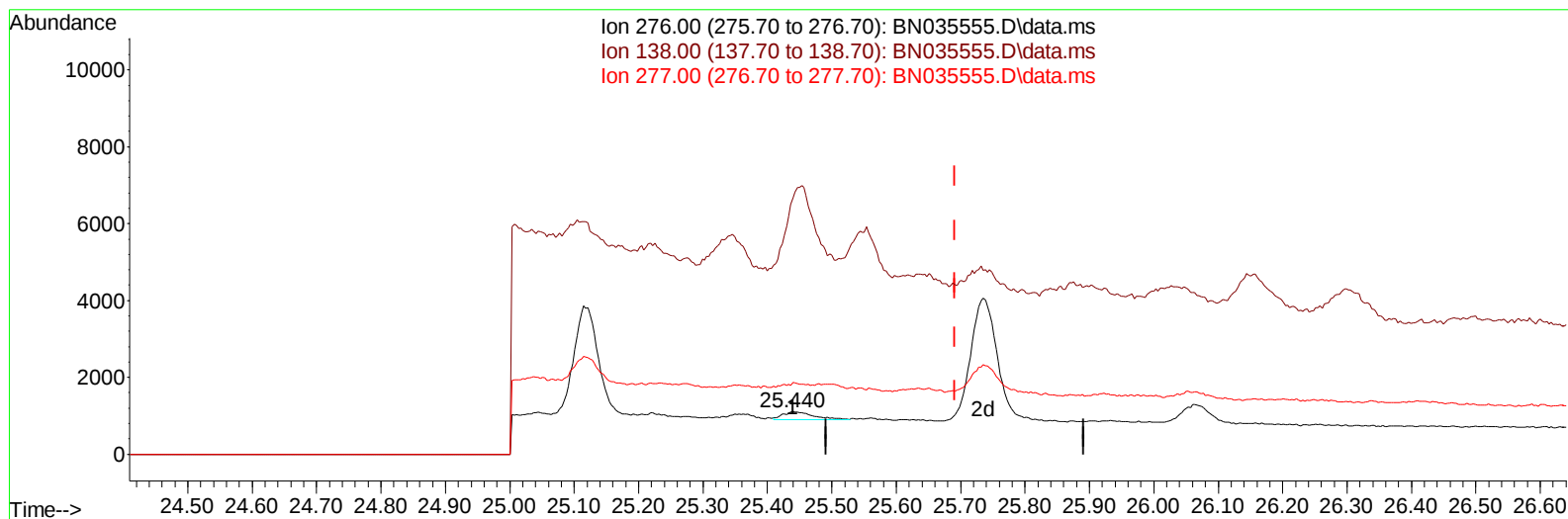
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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TIC: BN035555.D\data.ms

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

25.440min (-0.251) 0.03 ng/u1

response 644

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	603.34#
277.00	25.60	168.23#
0.00	0.00	0.00

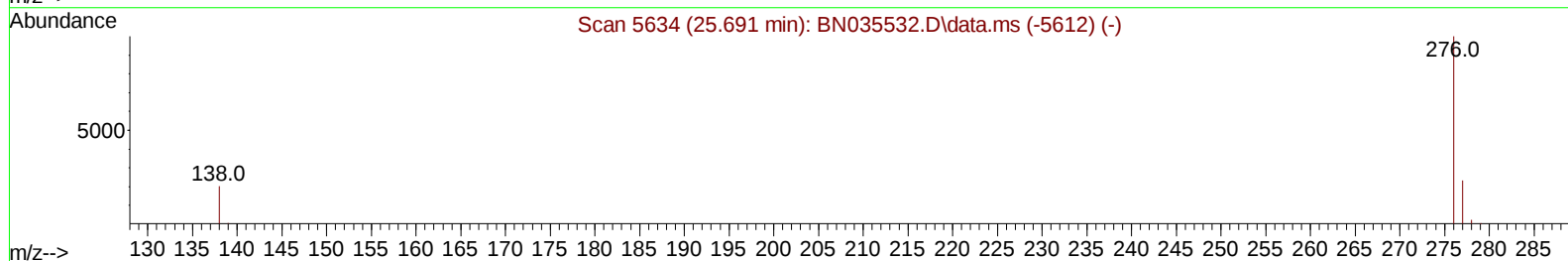
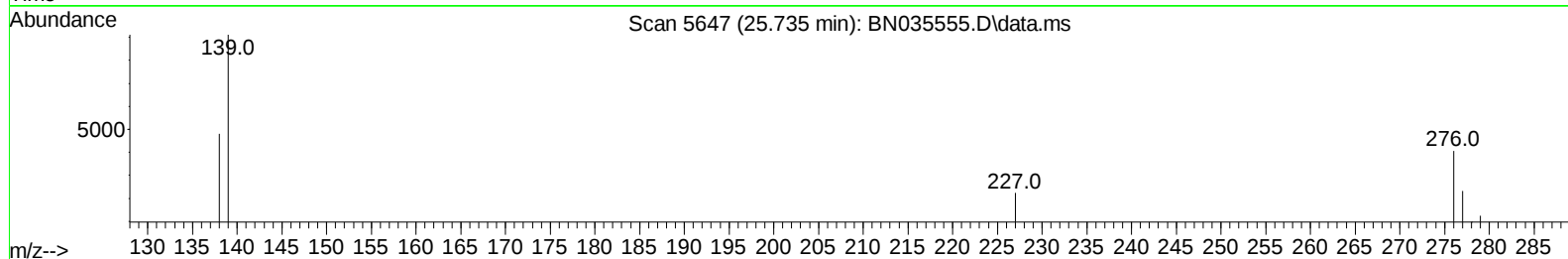
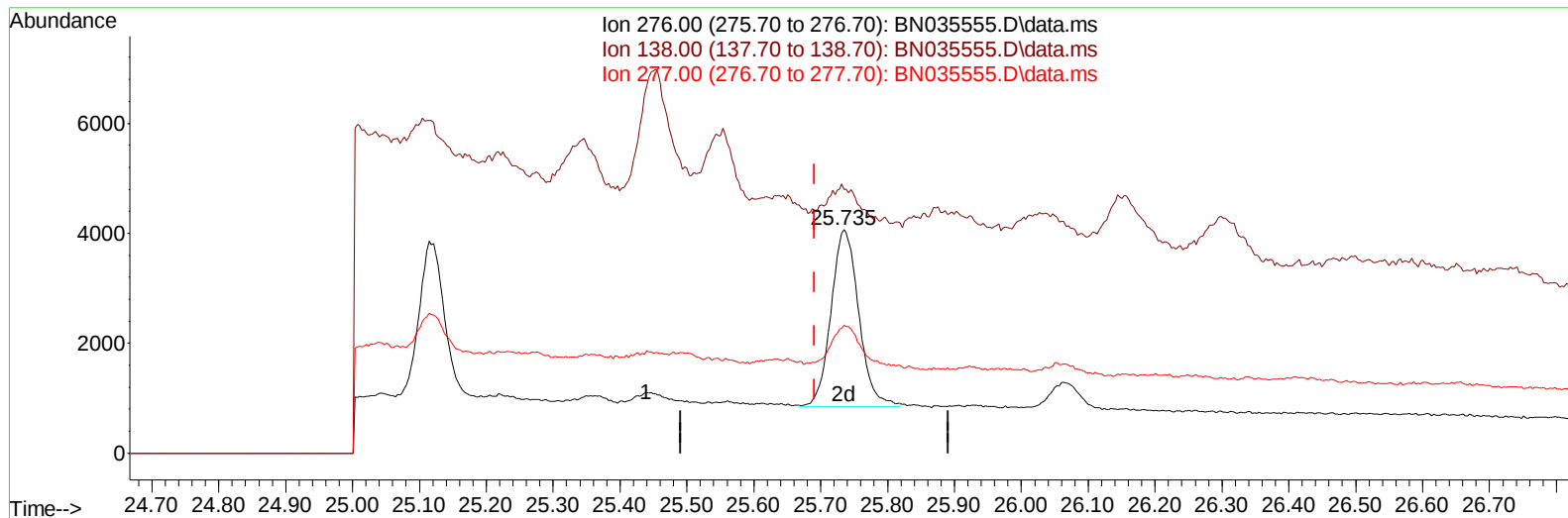
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035555.D
Acq On : 11 Dec 2024 05:54
Operator : RC/JU
Sample : P5066-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28M2

Manual IntegrationsAPPROVED

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TIC: BN035555.D\data.ms

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

25.735min (+ 0.044) 0.40 ng/u1 m

response 9267

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	117.80#
277.00	25.60	57.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
 Data File : BN035555.D
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 Operator : RC/JU
 Sample : P5066-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28M2

Manual IntegrationsAPPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	2801	0.400	ng/ul	0.00
4) Naphthalene-d8	10.036	136	7870	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.949	164	5876	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	9560m	0.400	ng/ul	0.00
17) Chrysene-d12	20.967	240	6783	0.400	ng/ul	# 0.00
23) Perylene-d12	23.074	264	7258m	0.400	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	9852	3.848	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	3305	0.287	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	5929m	0.317	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.086	128	116444	5.873	ng/ul	99
7) 2-Methylnaphthalene	11.714	142	249453	18.142	ng/ul	98
8) 1-Methylnaphthalene	11.939	142	169781	12.233	ng/ul	97
10) Acenaphthylene	13.671	152	12792	0.549	ng/ul#	1
11) Acenaphthene	14.014	153	25980	1.457	ng/ul	97
12) Fluorene	15.017	166	112258	5.363	ng/ul#	95
15) Phenanthrene	16.759	178	792900	31.373	ng/ul	100
16) Anthracene	16.852	178	231158m	9.854	ng/ul	
19) Fluoranthene	18.805	202	255410	10.815	ng/ul	98
20) Pyrene	19.172	202	284389	11.572	ng/ul	97
21) Benzo(a)anthracene	20.953	228	32906	1.398	ng/ul#	75
22) Chrysene	21.005	228	43470	1.835	ng/ul#	70
24) Benzo(b)fluoranthene	22.457	252	19805m	0.826	ng/ul	
25) Benzo(k)fluoranthene	22.495	252	5916m	0.239	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.114	276	7617m	0.257	ng/ul	
29) Benzo(g,h,i)perylene	25.735	276	9267m	0.397	ng/ul	

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

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