

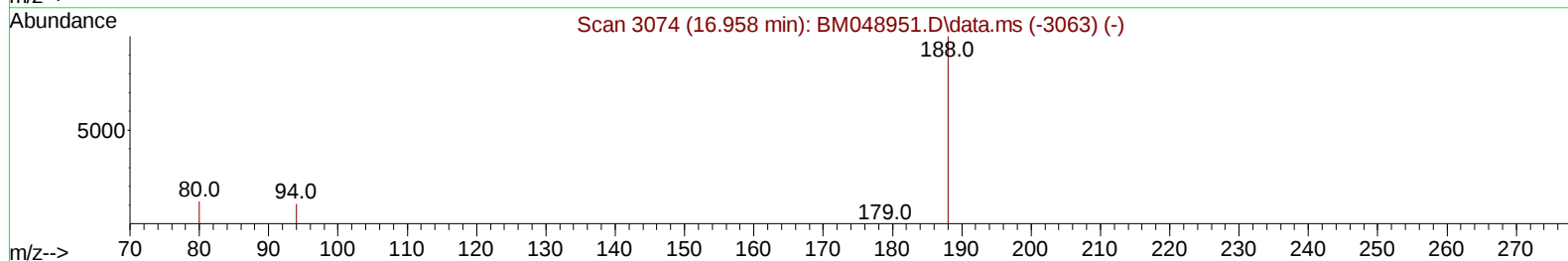
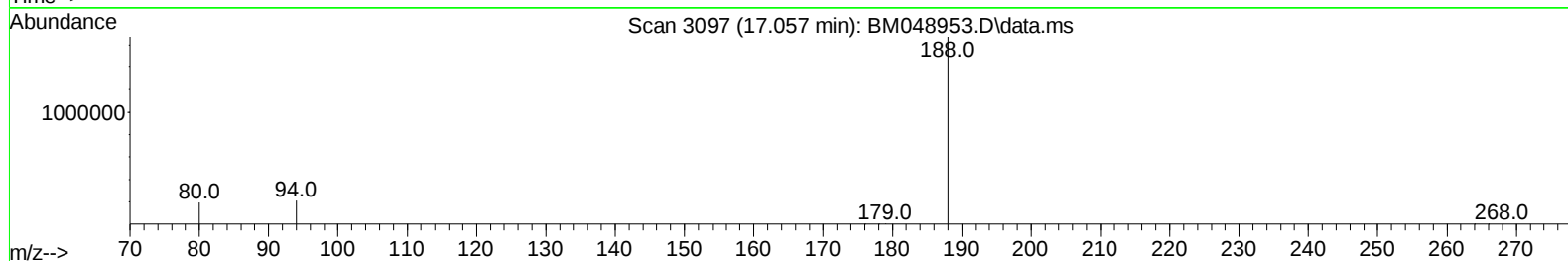
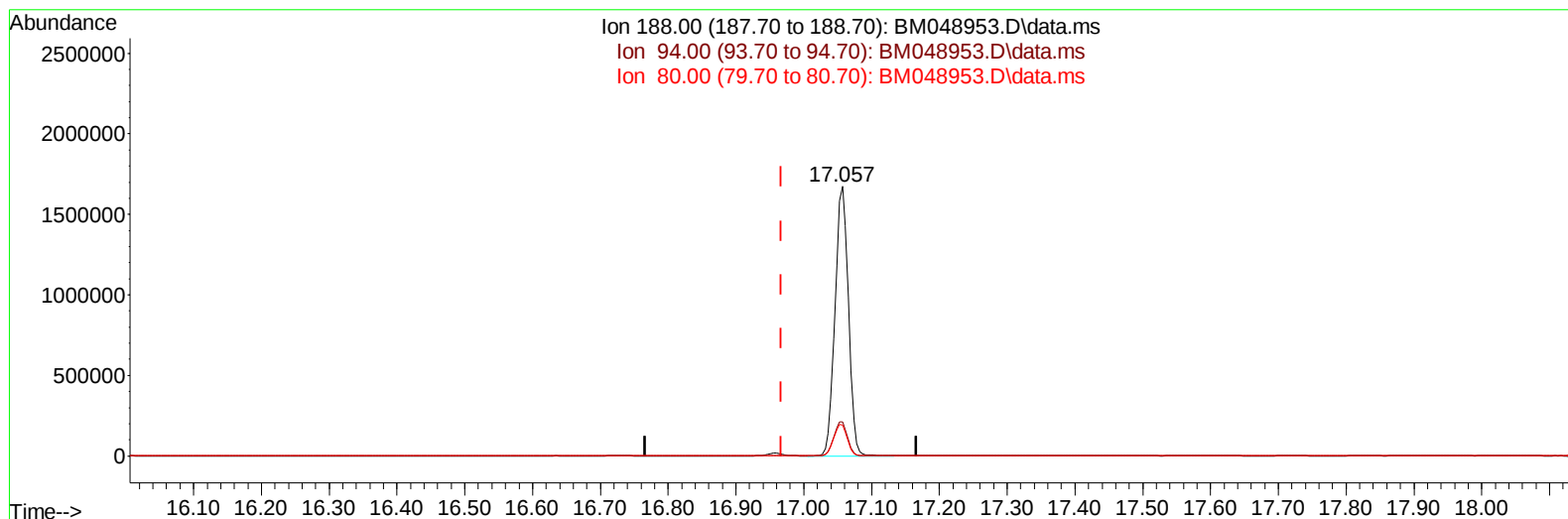
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:52:26 2024
Response via : Initial Calibration

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



TIC: BM048953.D\data.ms

(13) Phenanthrene-d10 (I)

17.057min (+ 0.090) 0.40 ng/u1

response 2289254

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	12.55
80.00	13.90	11.39
0.00	0.00	0.00

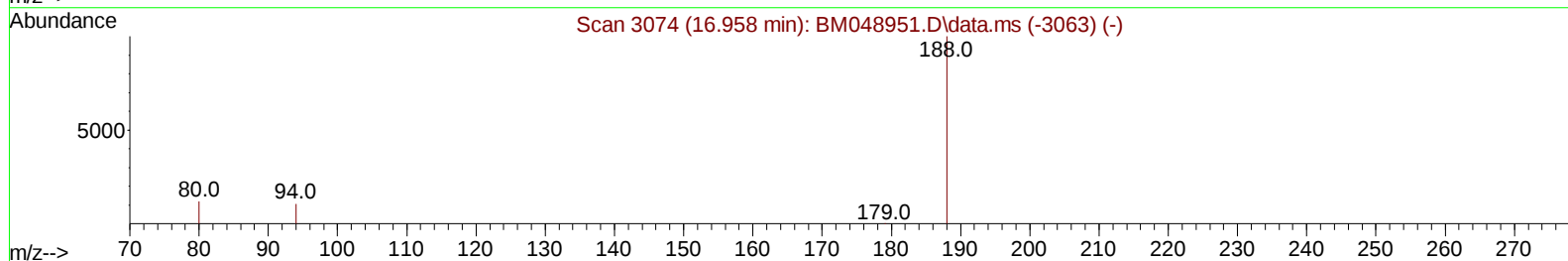
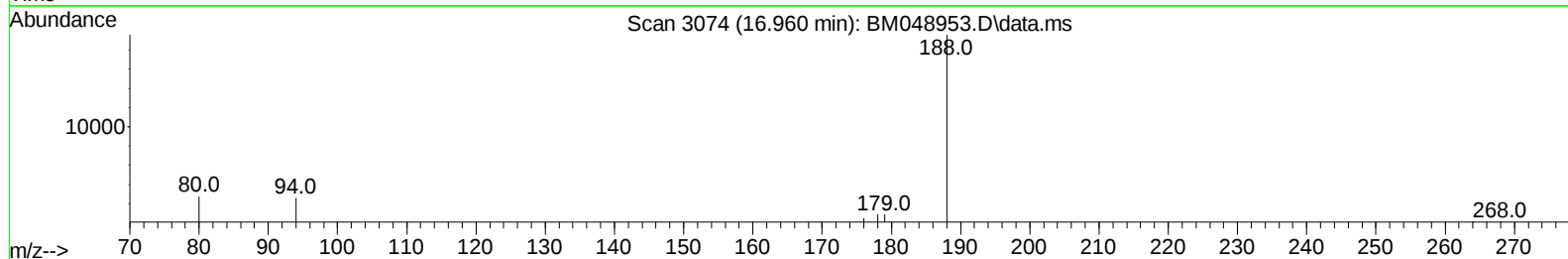
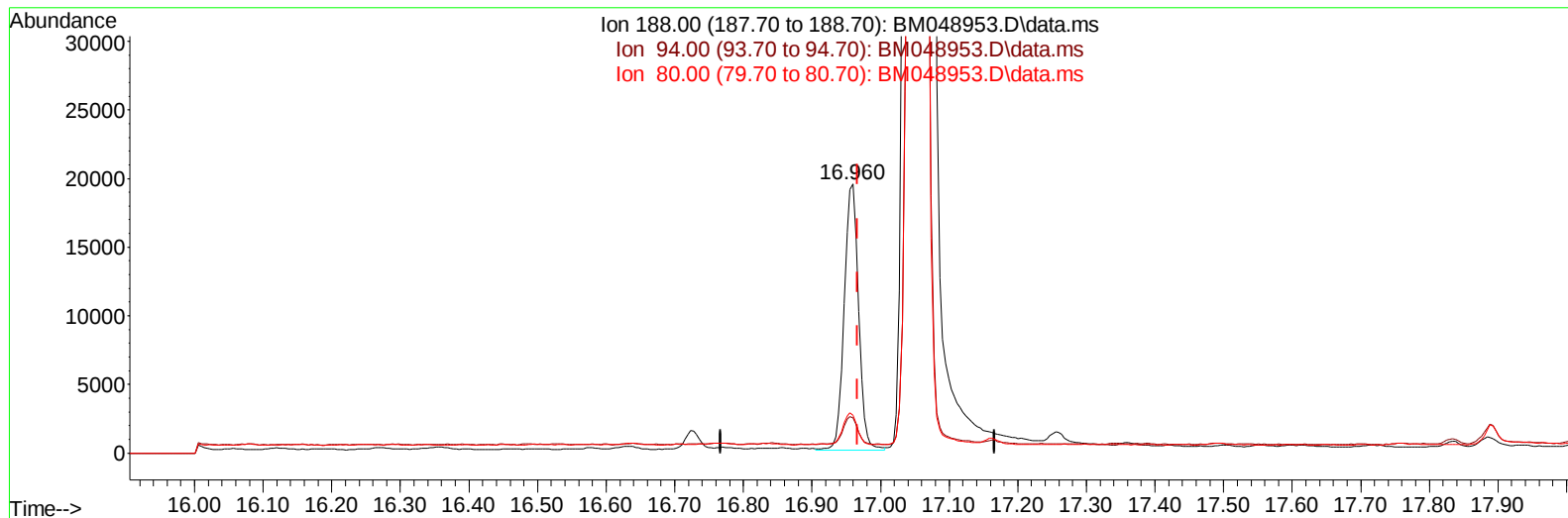
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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



TIC: BM048953.D\data.ms

(13) Phenanthrene-d10 (I)

16.960min (-0.007) 0.40 ng/ul m

response 27975

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.10	13.08
80.00	13.90	13.96
0.00	0.00	0.00

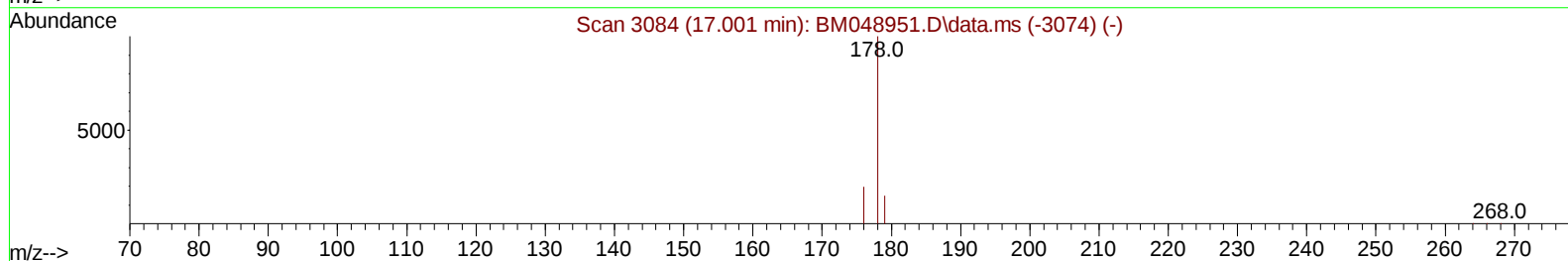
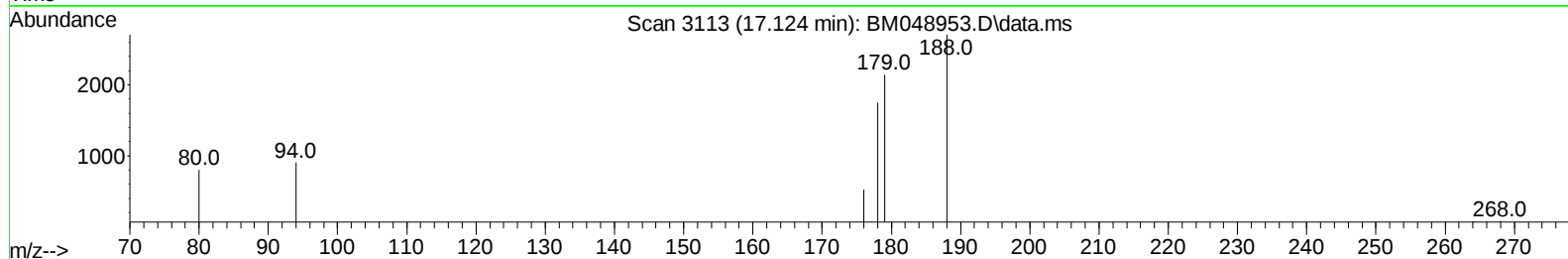
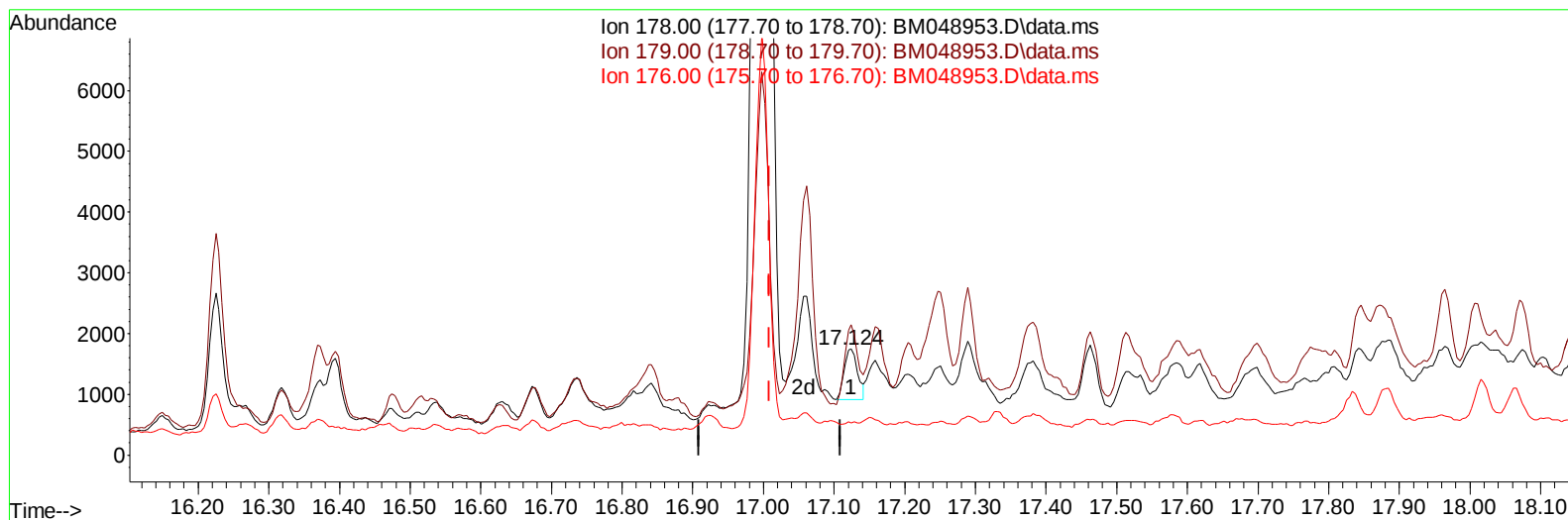
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
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Supervised By :mohammad ahmed 12/12/2024



TIC: BM048953.D\data.ms

(15) Phenanthrene

17.124min (+ 0.115) 0.01 ng/u1

response 1107

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	122.78#
176.00	19.80	30.11#
0.00	0.00	0.00

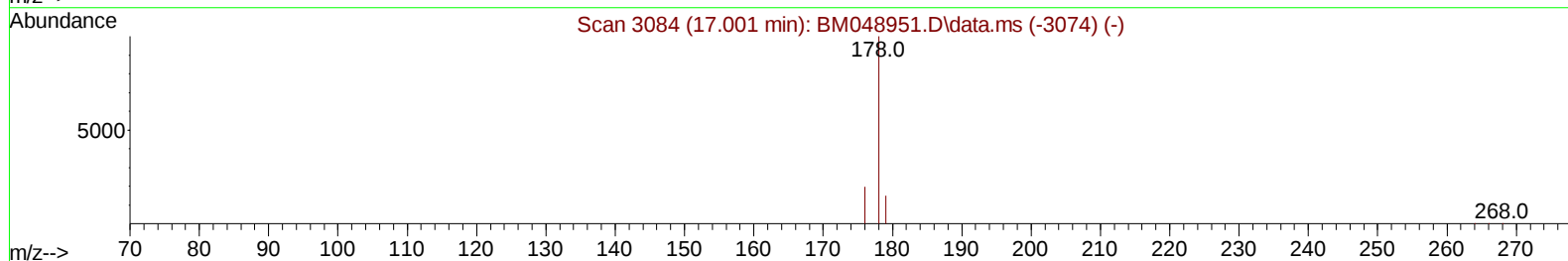
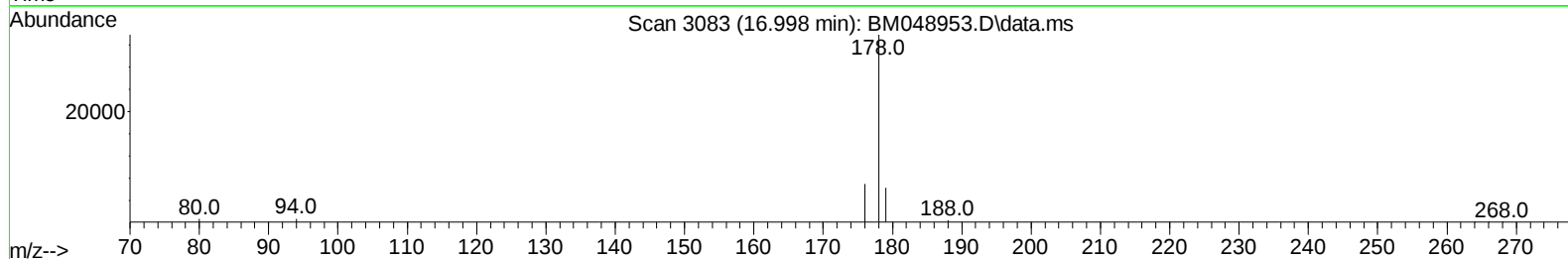
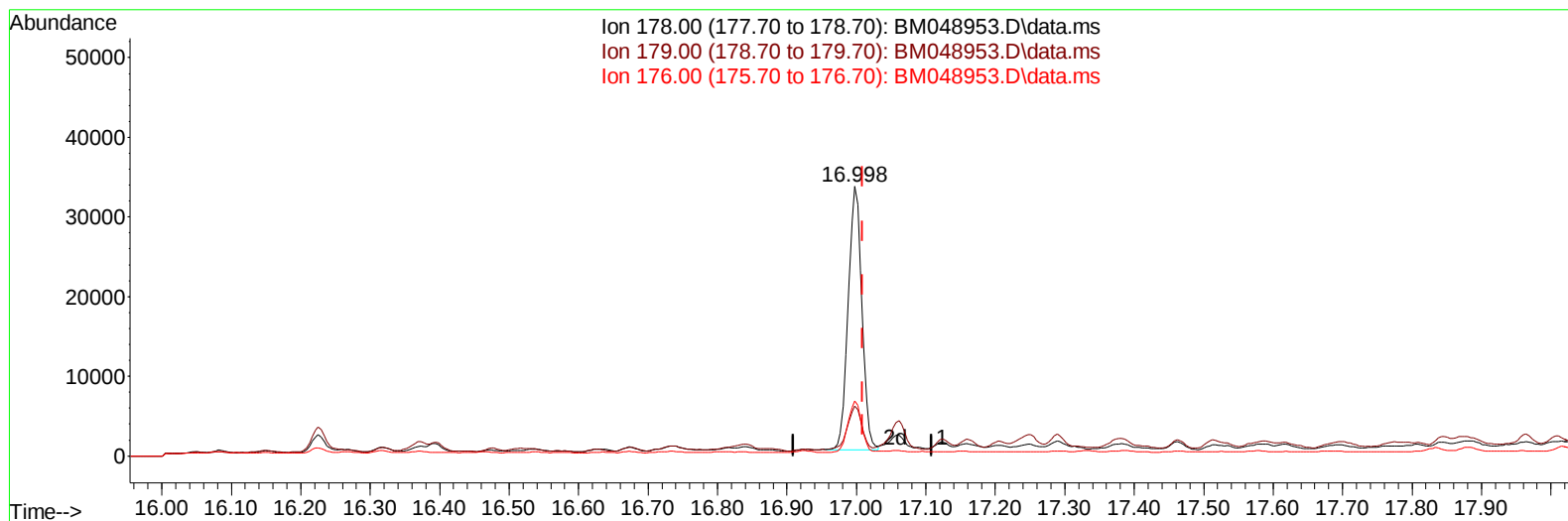
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/12/2024



TIC: BM048953.D\data.ms

(15) Phenanthrene

16.998min (-0.011) 0.60 ng/ul m

response 45647

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.30	18.65
176.00	19.80	20.46
0.00	0.00	0.00

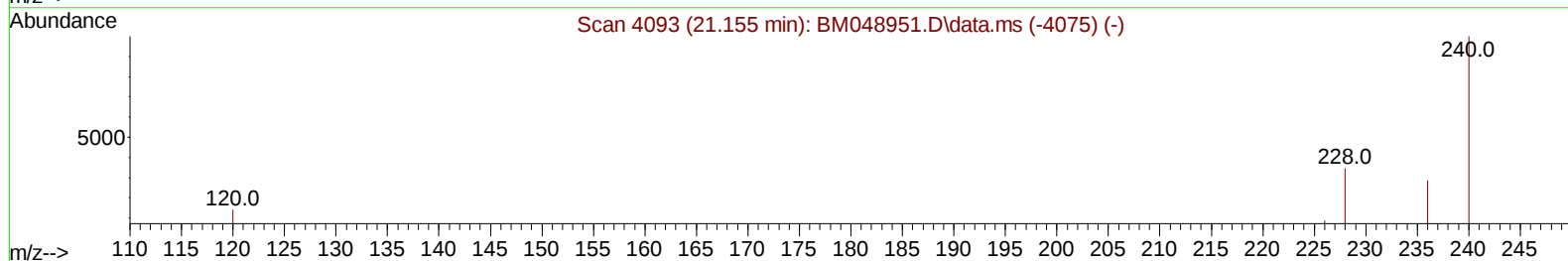
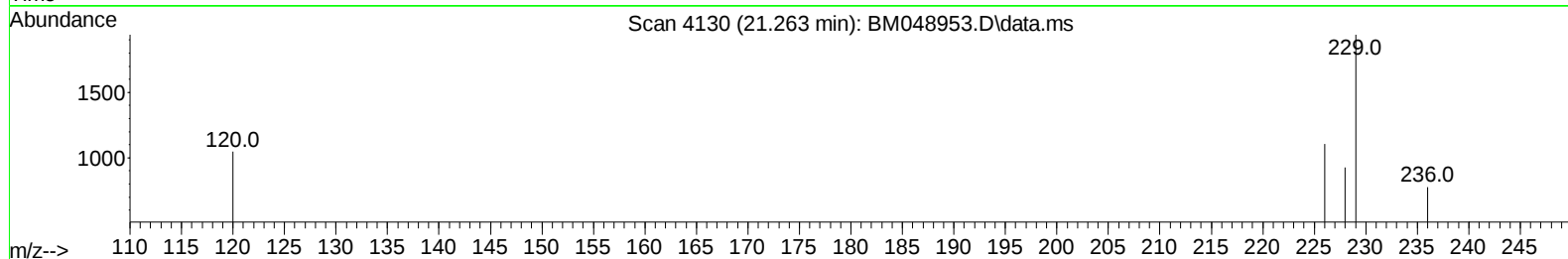
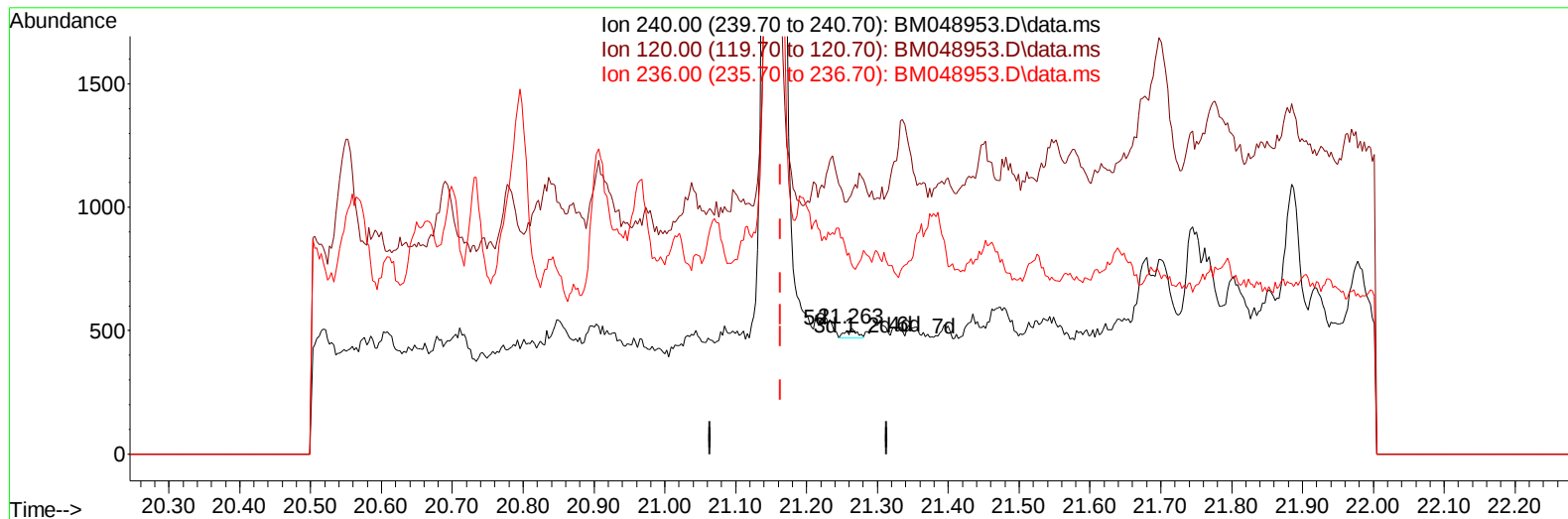
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

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TIC: BM048953.D\data.ms

(17) Chrysene-d12

21.263min (+ 0.099) 0.40 ng/u1

response 42

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	205.70#
236.00	30.50	152.65#
0.00	0.00	0.00

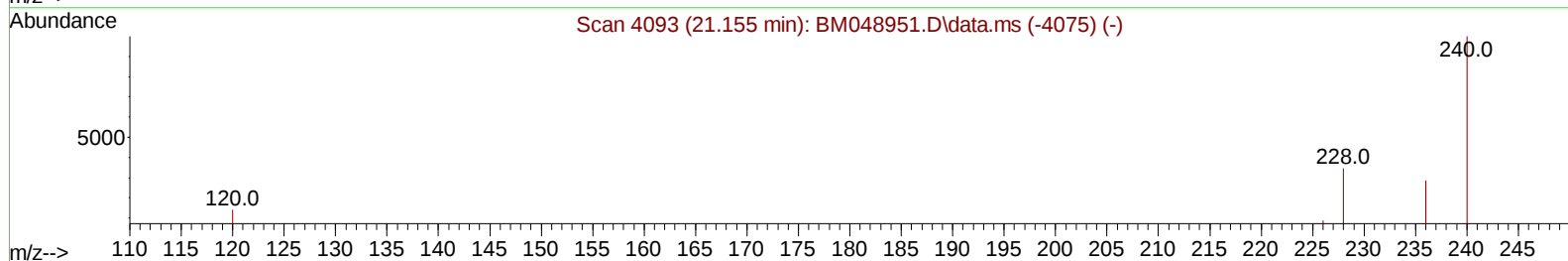
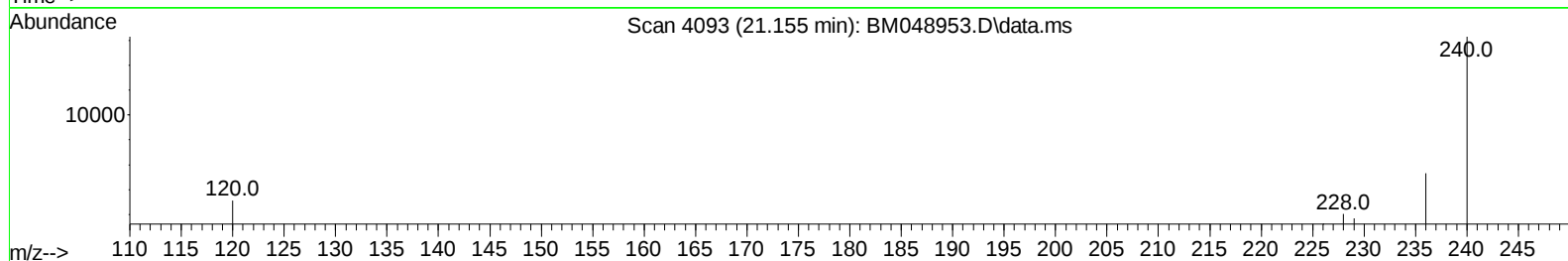
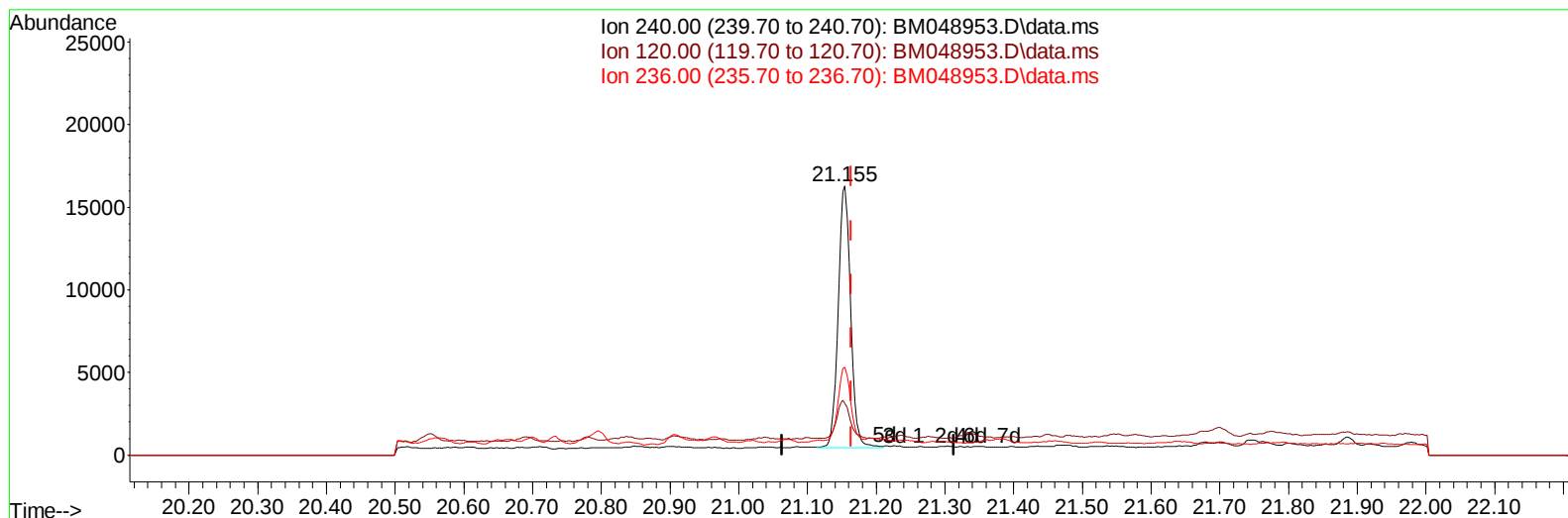
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Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:52:26 2024
Response via : Initial Calibration

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



TIC: BM048953.D\data.ms

(17) Chrysene-d12

21.155min (-0.009) 0.40 ng/u1 m

response 19797

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.30	19.28
236.00	30.50	32.68
0.00	0.00	0.00

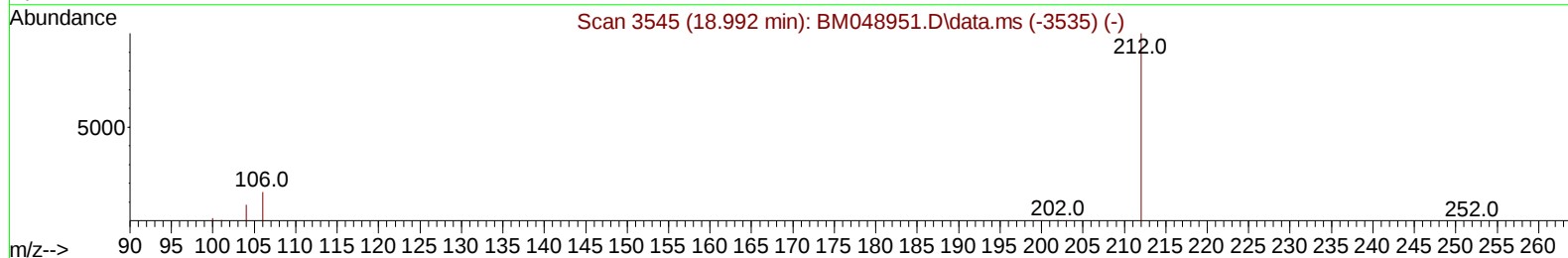
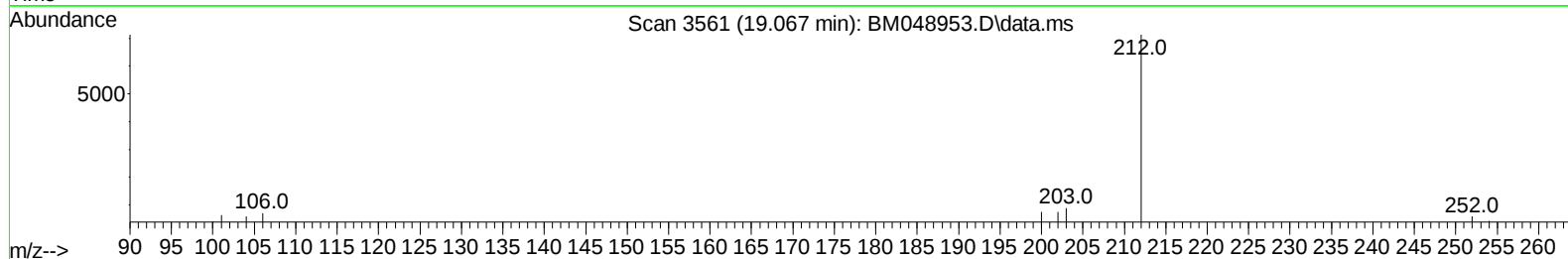
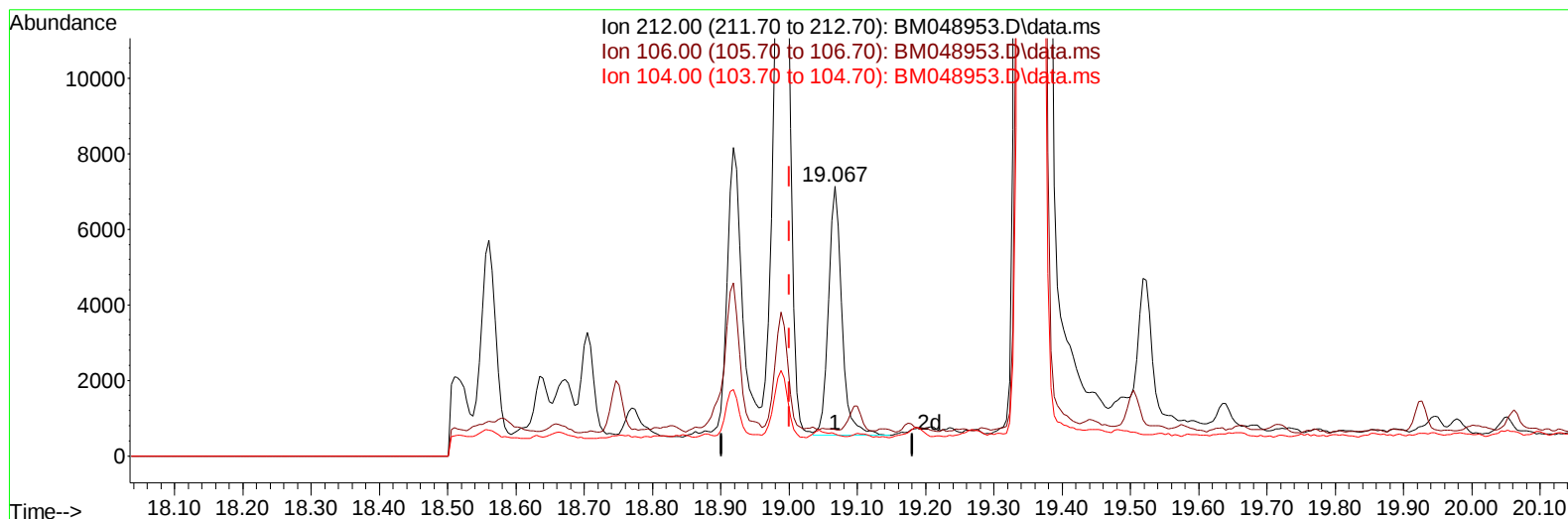
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
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TIC: BM048953.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.067min (+ 0.066) 0.15 ng/u1

response 8933

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.90	0.00#
104.00	8.70	0.00#
0.00	0.00	0.00

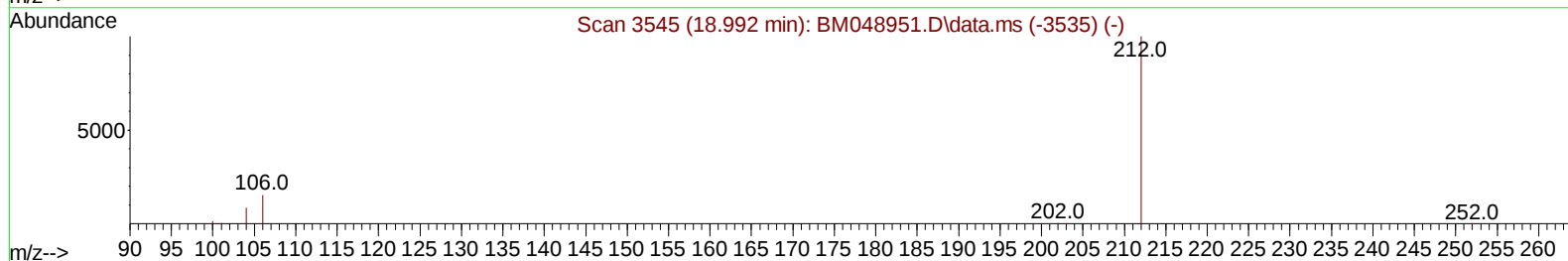
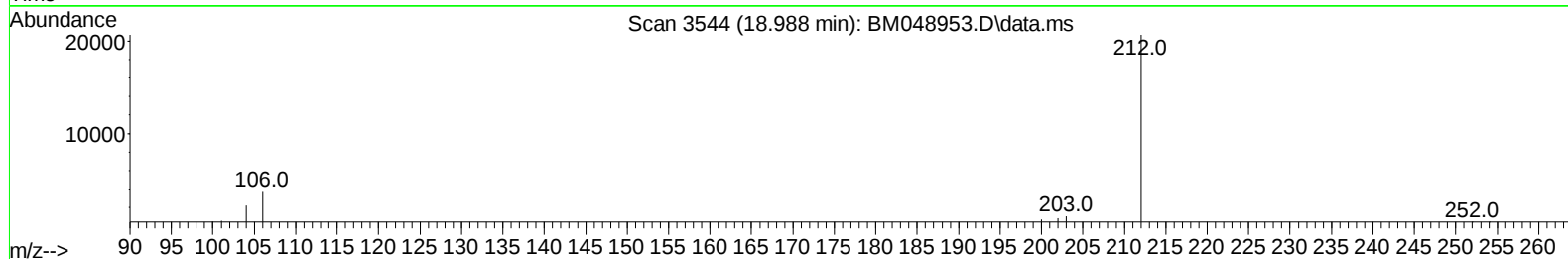
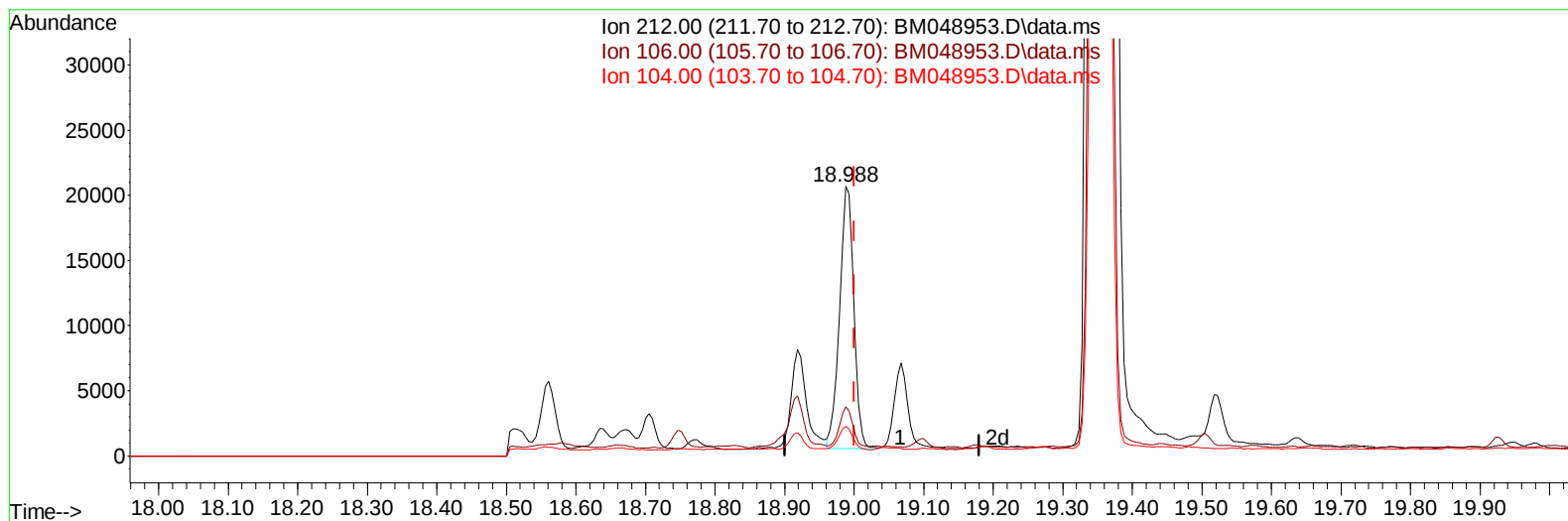
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
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TIC: BM048953.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.988min (-0.013) 0.49 ng/u1 m

response 28848

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.90	0.00#
104.00	8.70	0.00#
0.00	0.00	0.00

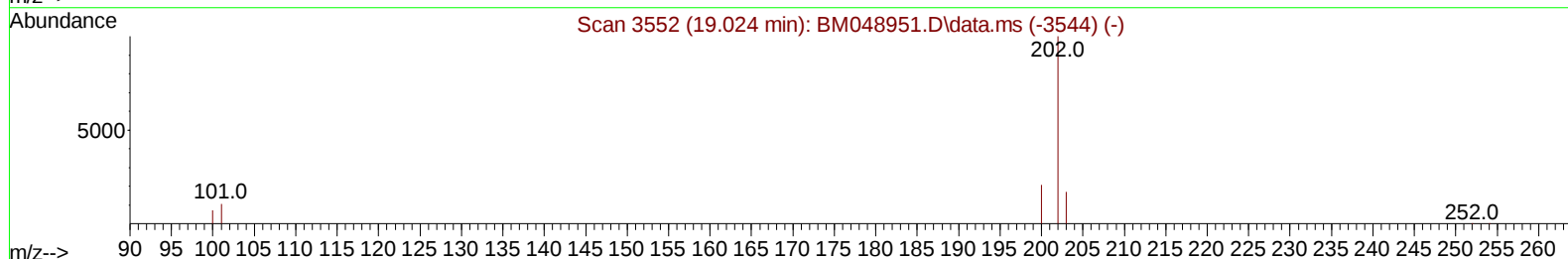
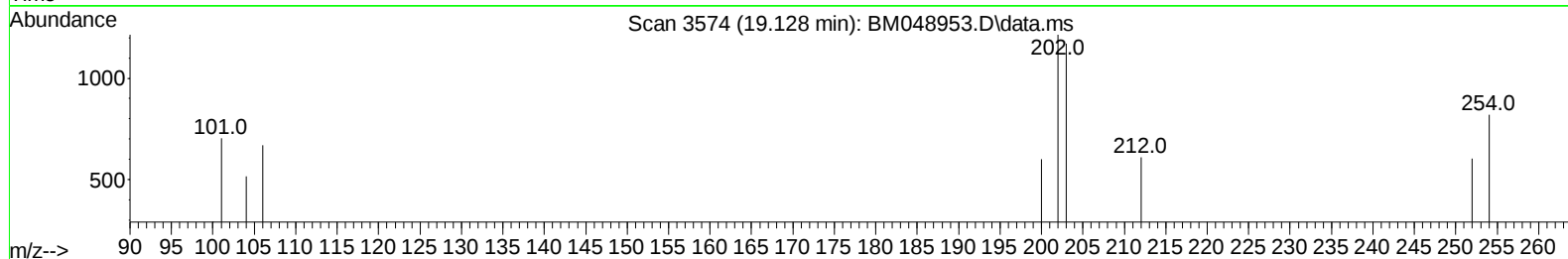
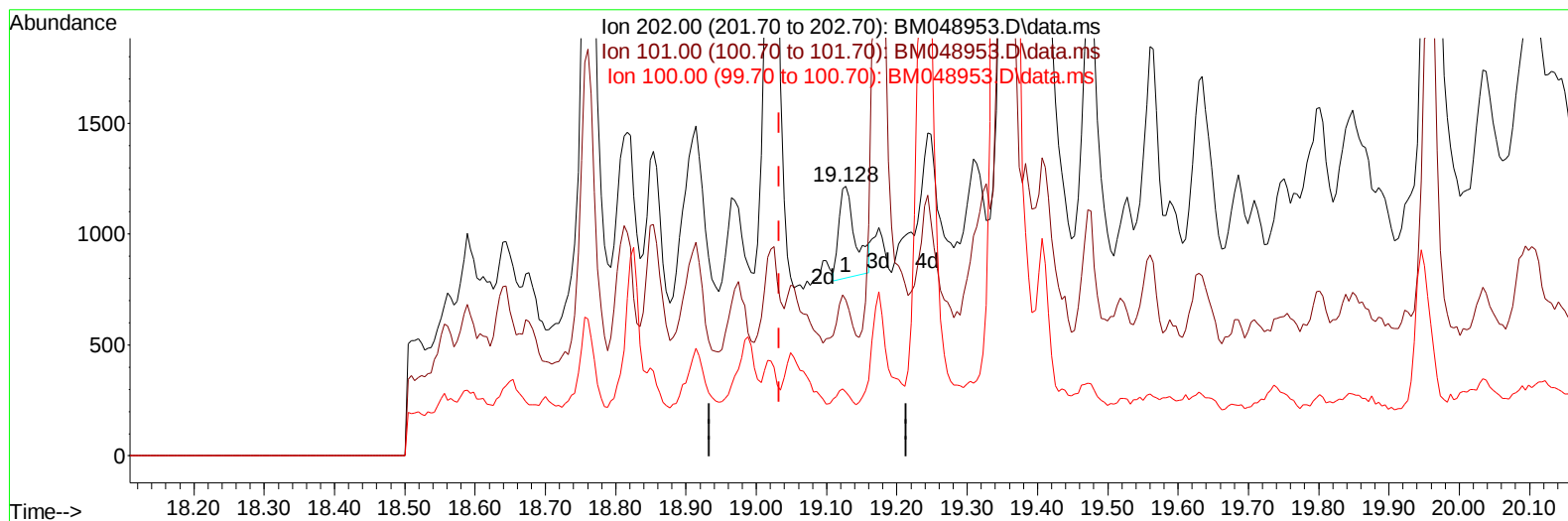
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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TIC: BM048953.D\data.ms

(19) Fluoranthene (C)

19.128min (+ 0.094) 0.01 ng/u1

response 676

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.10	57.78#
100.00	9.10	23.79#
0.00	0.00	0.00

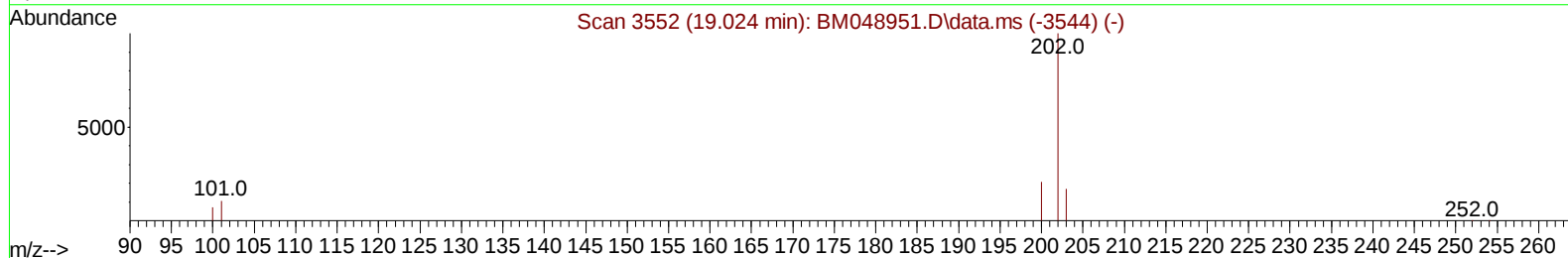
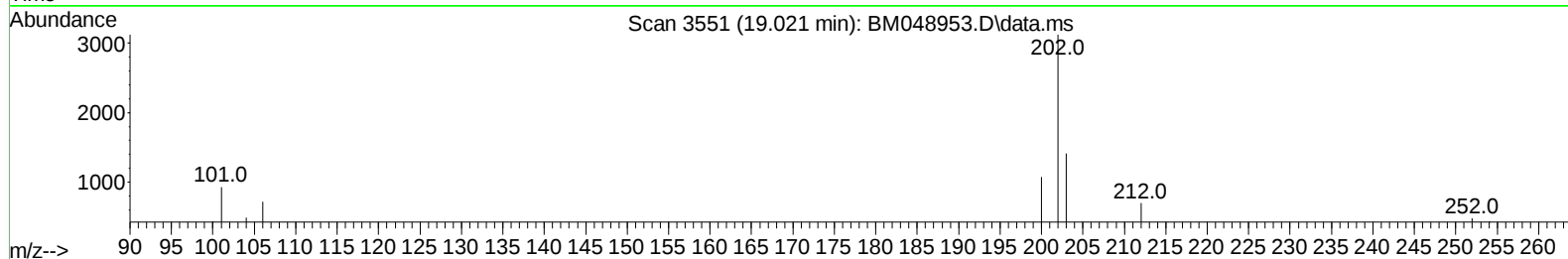
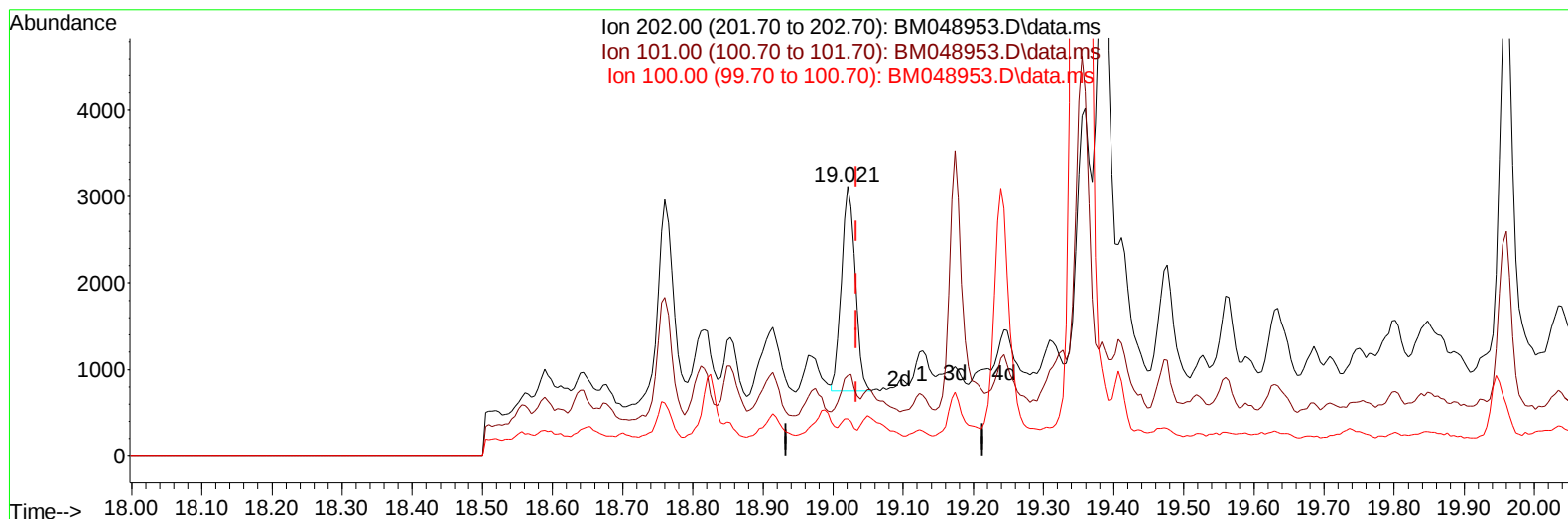
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
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TIC: BM048953.D\data.ms

(19) Fluoranthene (C)

19.021min (-0.013) 0.04 ng/ul m

response 3254

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.10	29.92#
100.00	9.10	13.69#
0.00	0.00	0.00

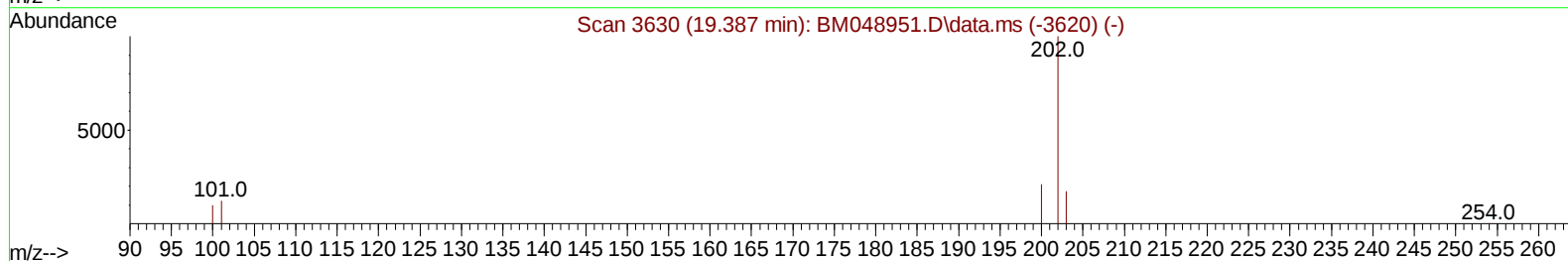
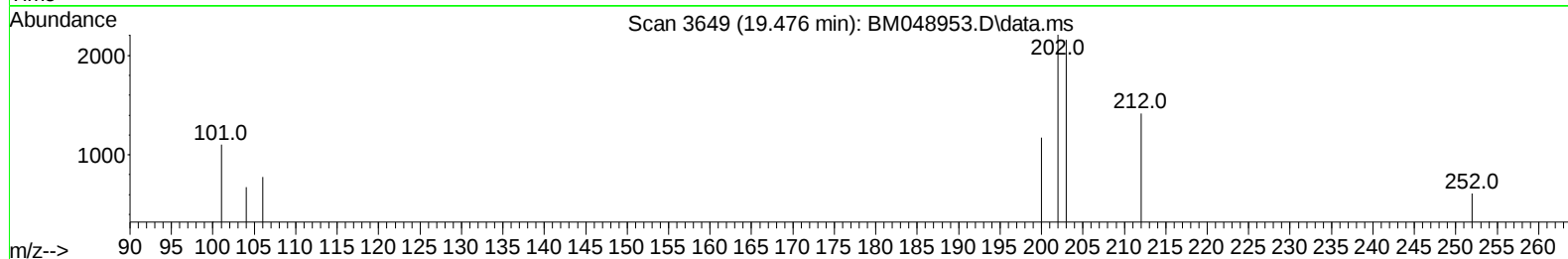
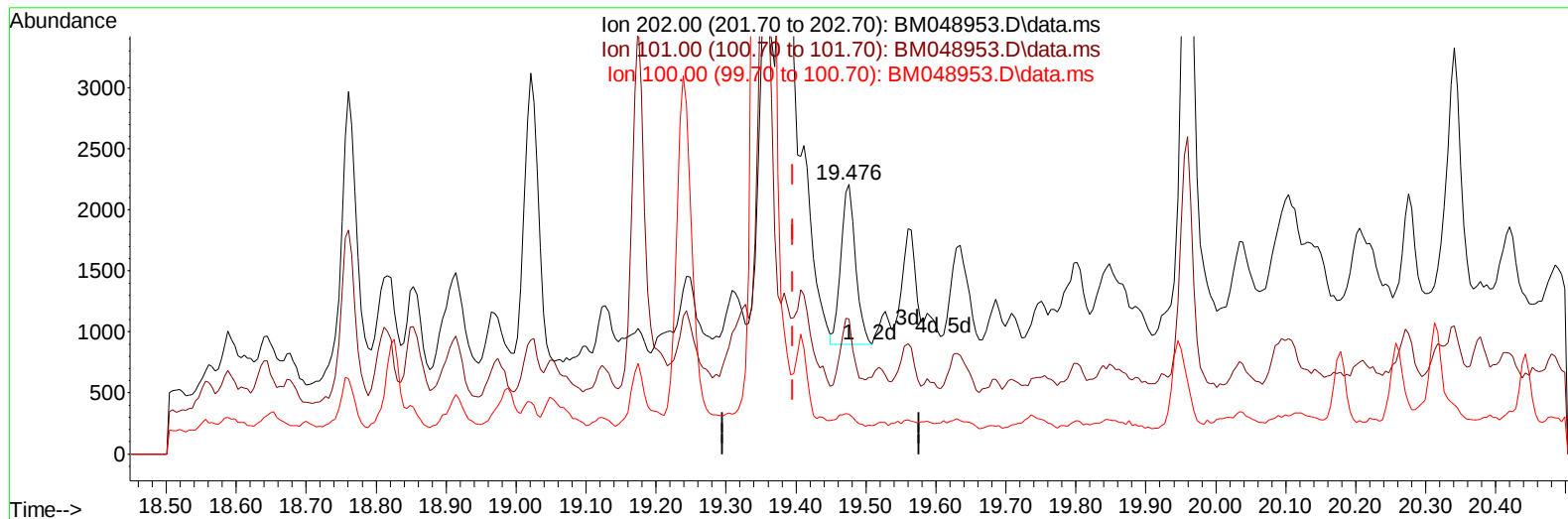
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM048953.D\data.ms

(20) Pyrene

19.476min (+ 0.080) 0.02 ng/u1

response 1866

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	50.00#
100.00	10.50	14.67#
0.00	0.00	0.00

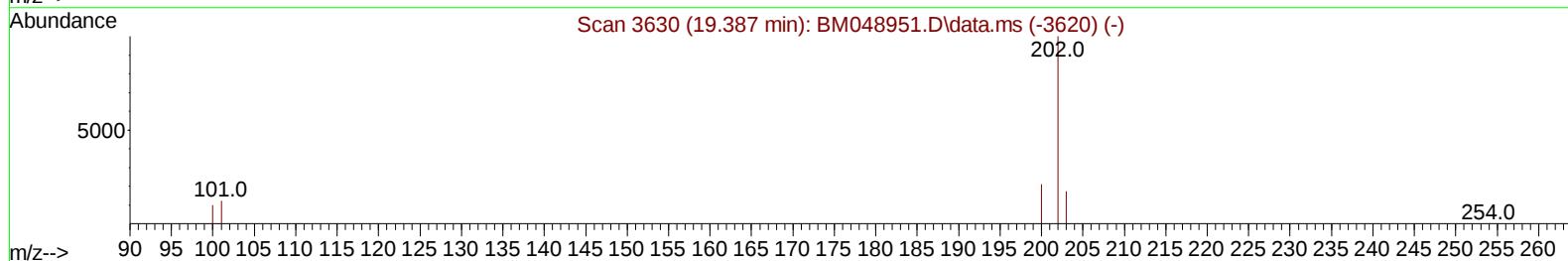
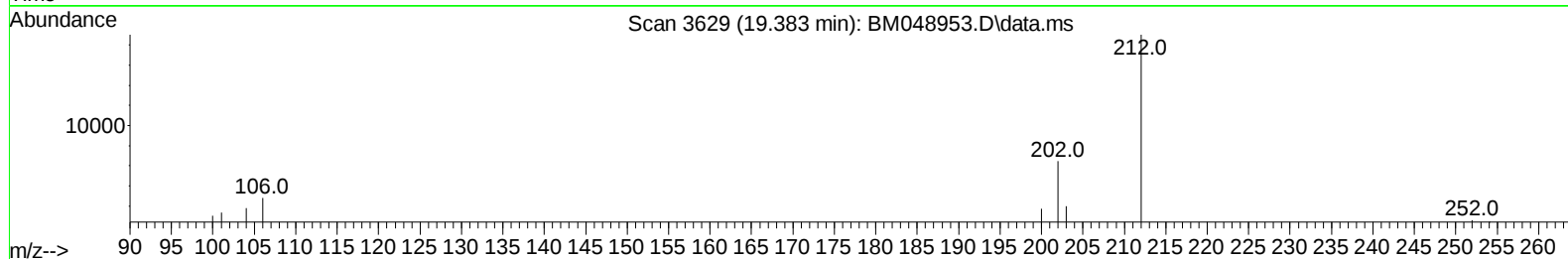
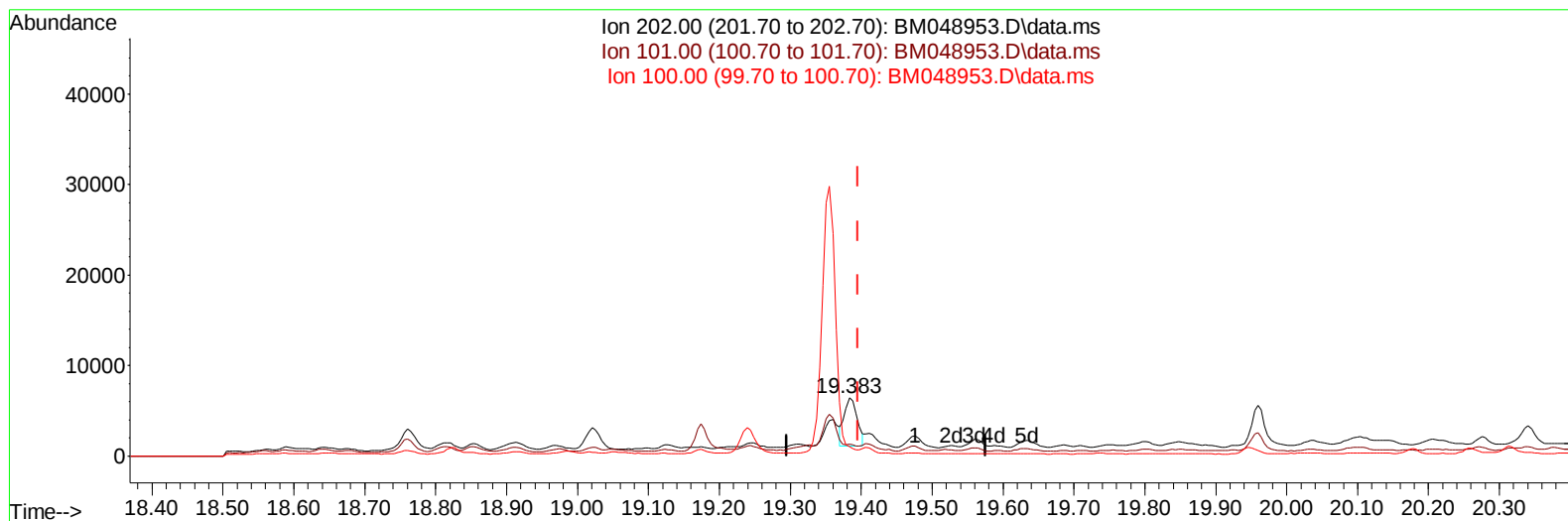
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
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Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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TIC: BM048953.D\data.ms

(20) Pyrene

19.383min (-0.013) 0.08 ng/u1 m

response 6835

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	20.43#
100.00	10.50	15.62#
0.00	0.00	0.00

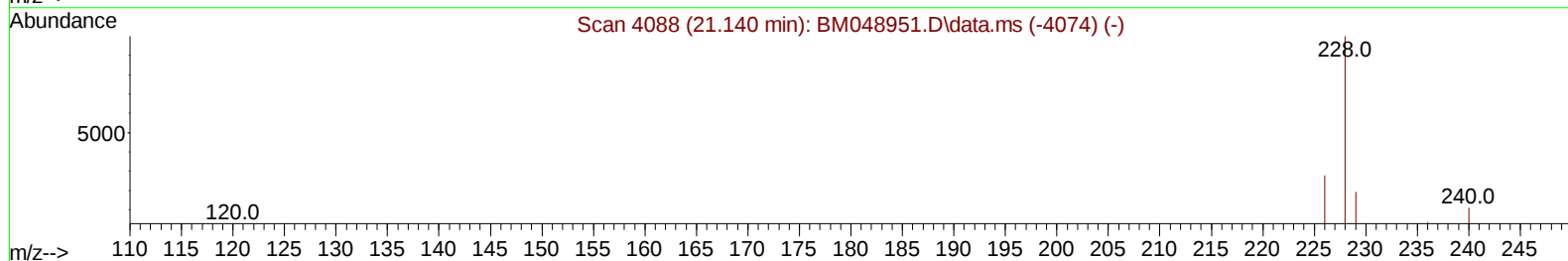
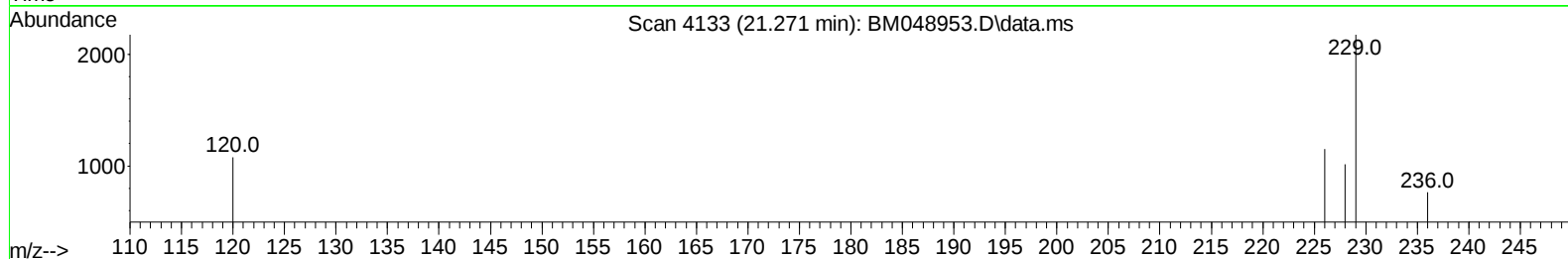
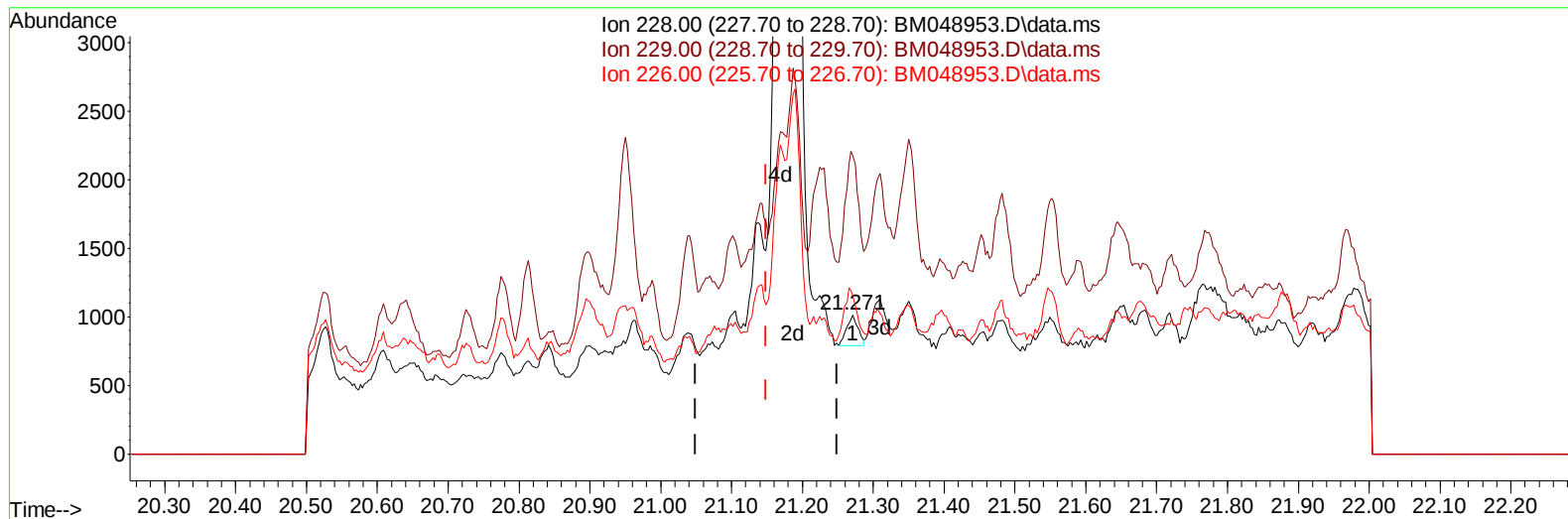
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

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Supervised By :mohammad ahmed 12/12/2024



TIC: BM048953.D\data.ms

(21) Benzo(a)anthracene

21.271min (+ 0.122) 0.00 ng/u1

response 248

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	214.19#
226.00	28.70	113.60#
0.00	0.00	0.00

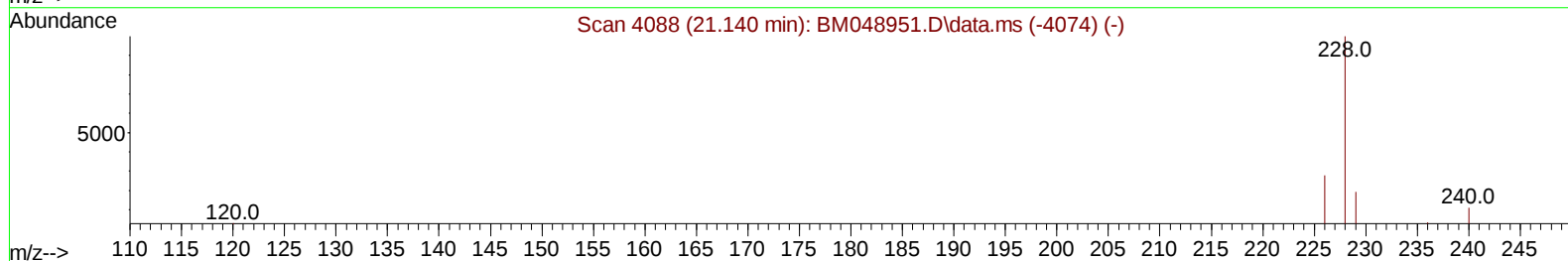
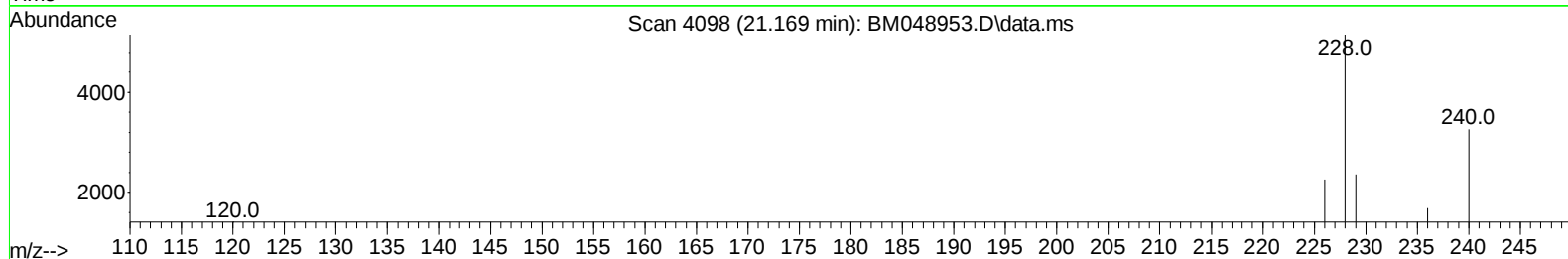
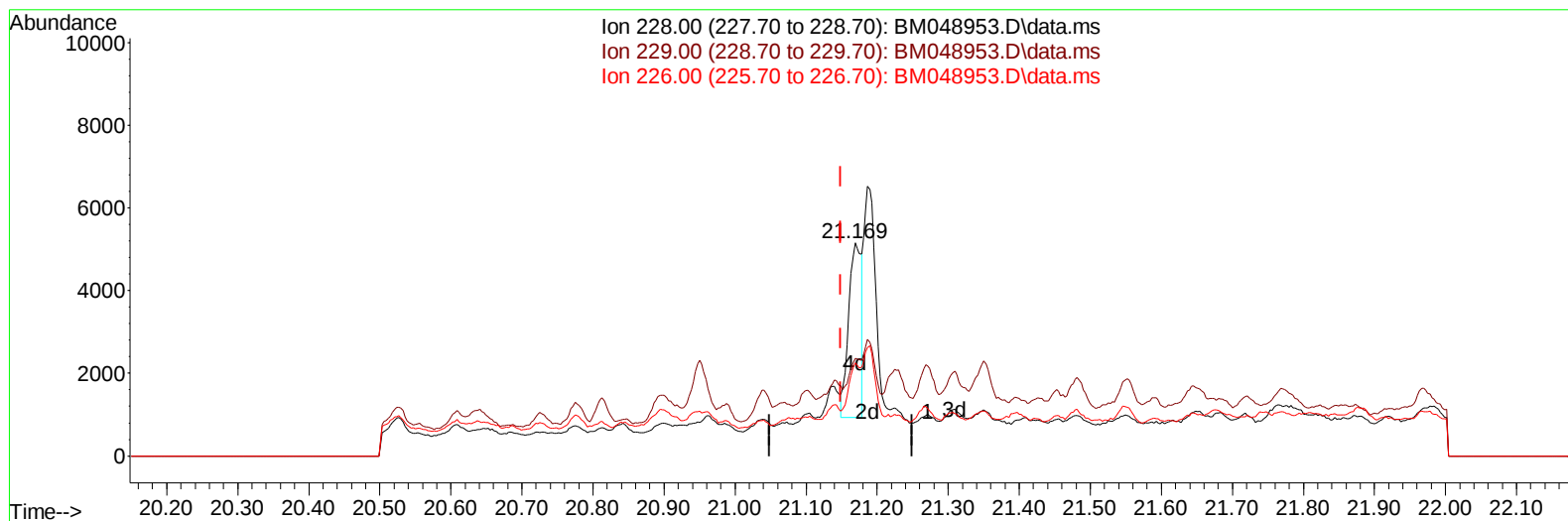
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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

Quant Time: Dec 11 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:52:26 2024
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TIC: BM048953.D\data.ms

(21) Benzo(a)anthracene

21.169min (+ 0.020) 0.08 ng/u1 m

response 5228

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	45.72#
226.00	28.70	43.81#
0.00	0.00	0.00

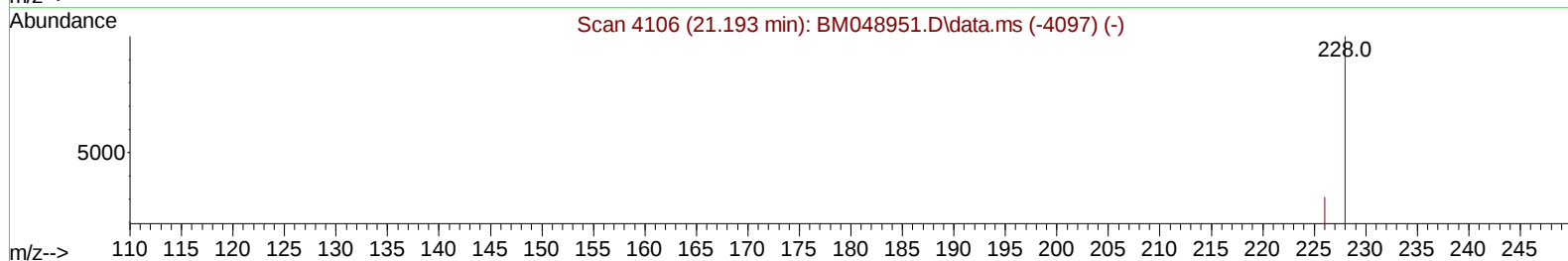
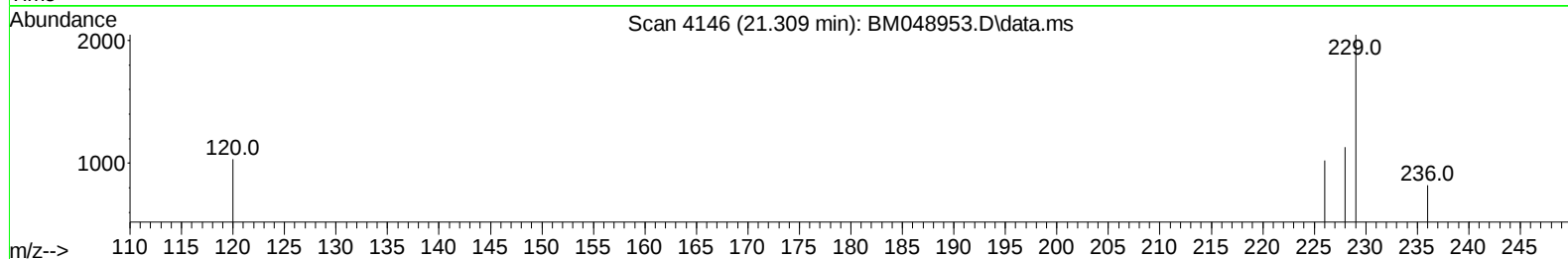
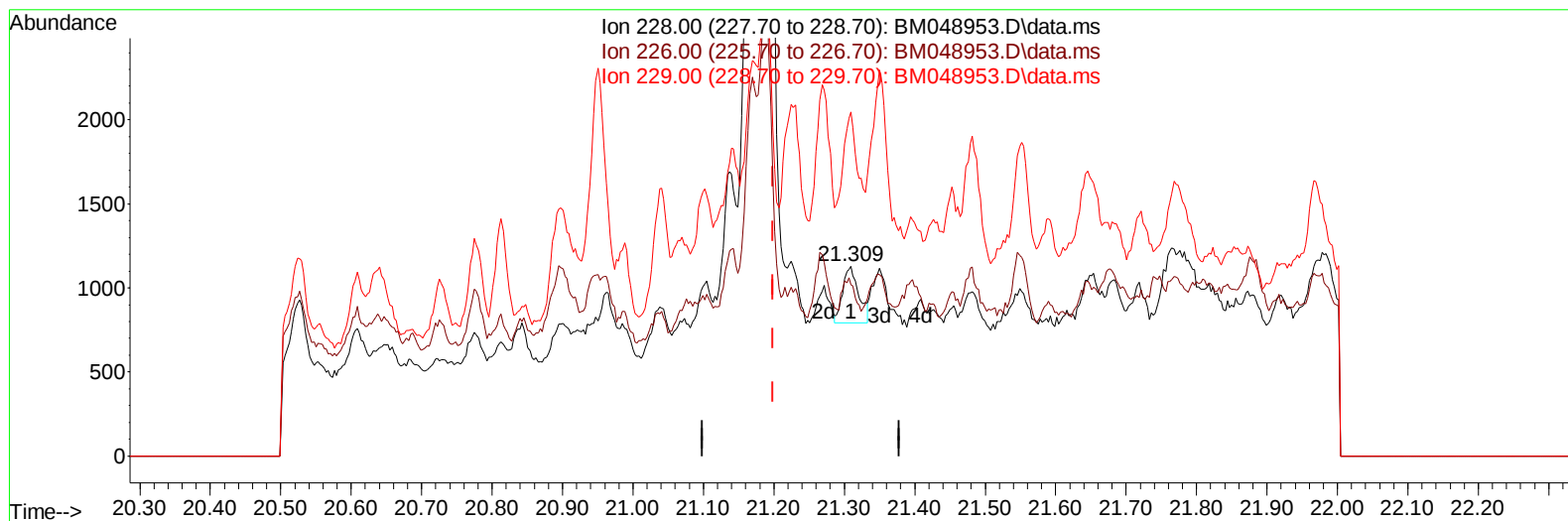
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

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



TIC: BM048953.D\data.ms

(22) Chrysene

21.309min (+ 0.111) 0.01 ng/u1

response 529

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	90.27#
229.00	20.00	181.06#
0.00	0.00	0.00

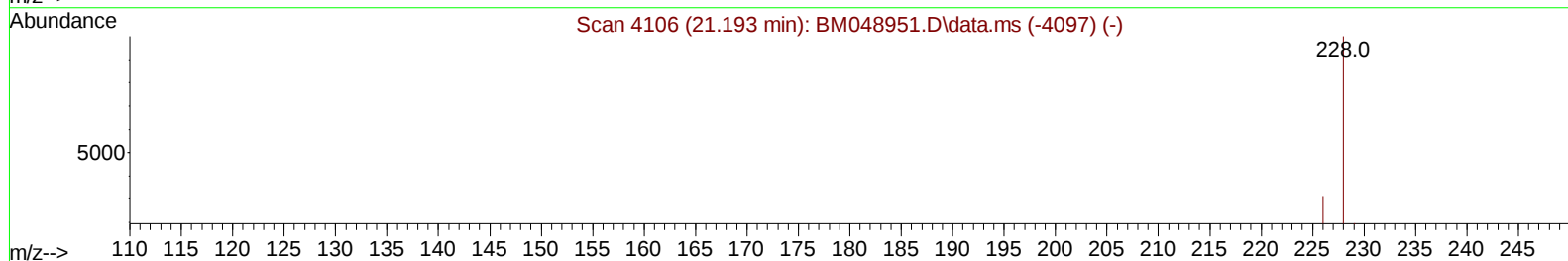
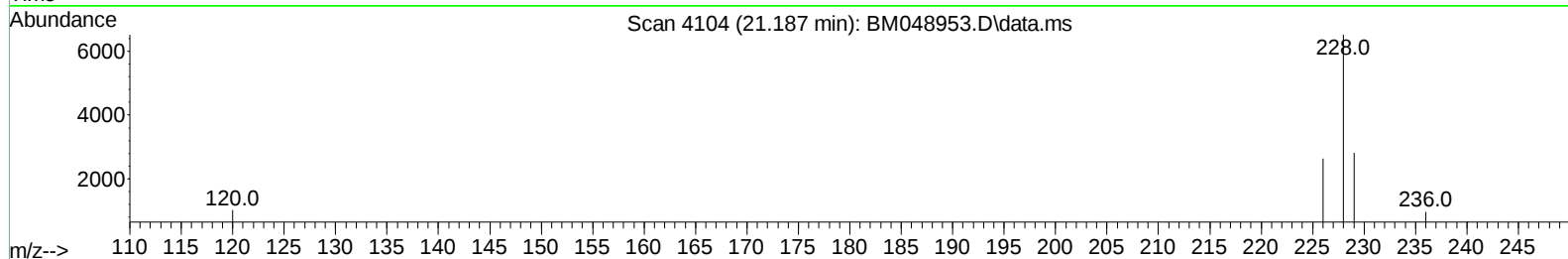
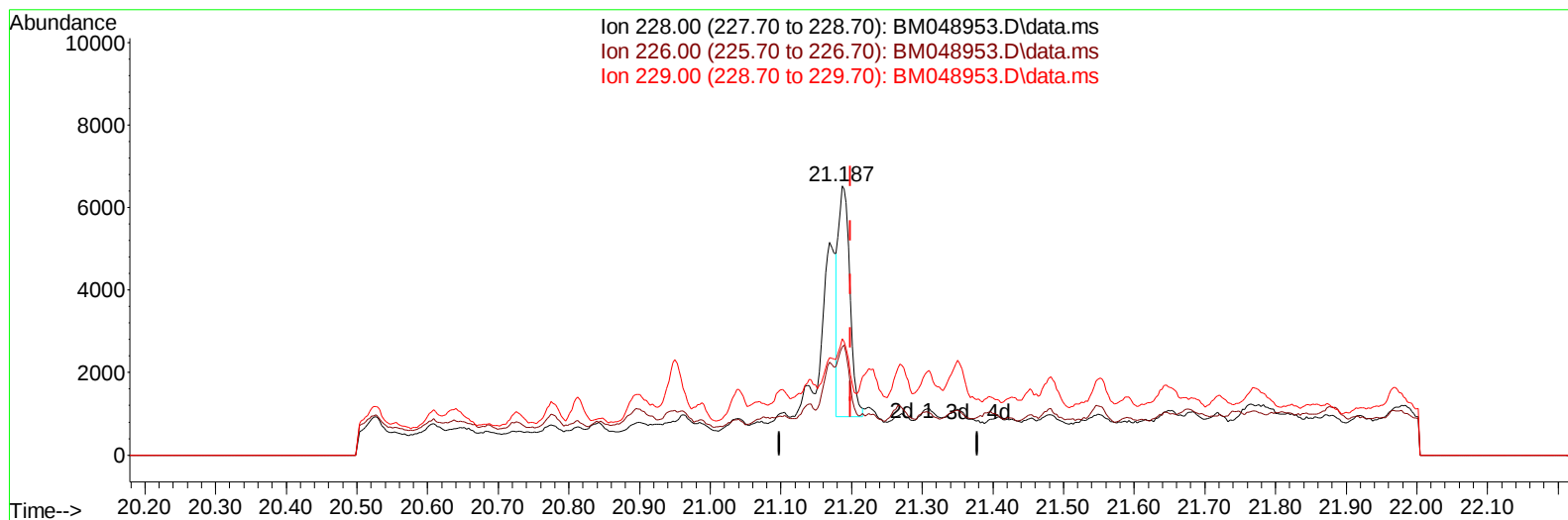
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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

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Response via : Initial Calibration



TIC: BM048953.D\data.ms

(22) Chrysene

21.187min (-0.012) 0.08 ng/u1 m

response 6402

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.00	40.29#
229.00	20.00	43.17#
0.00	0.00	0.00

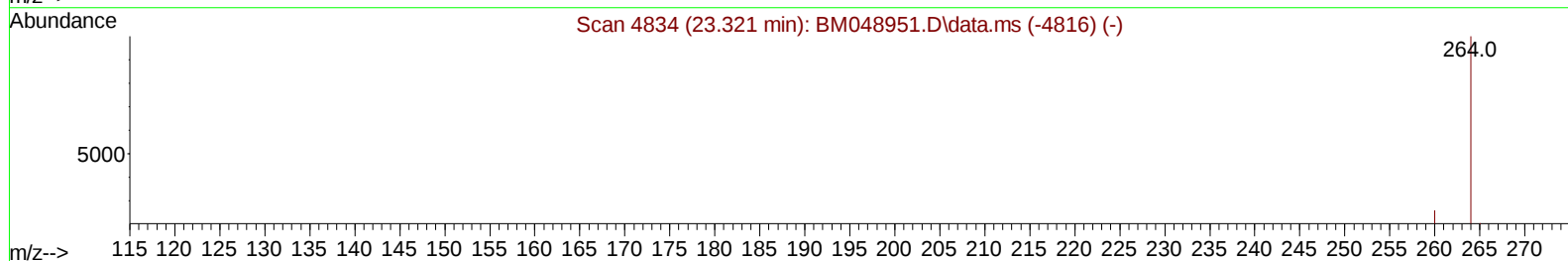
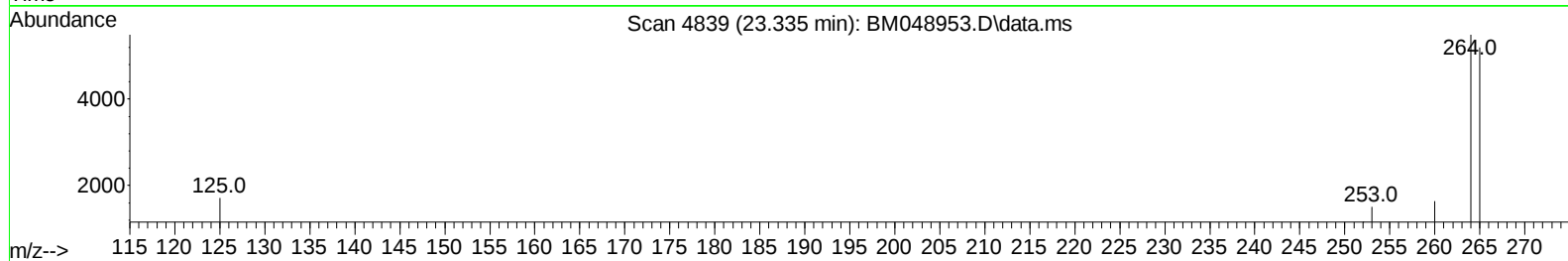
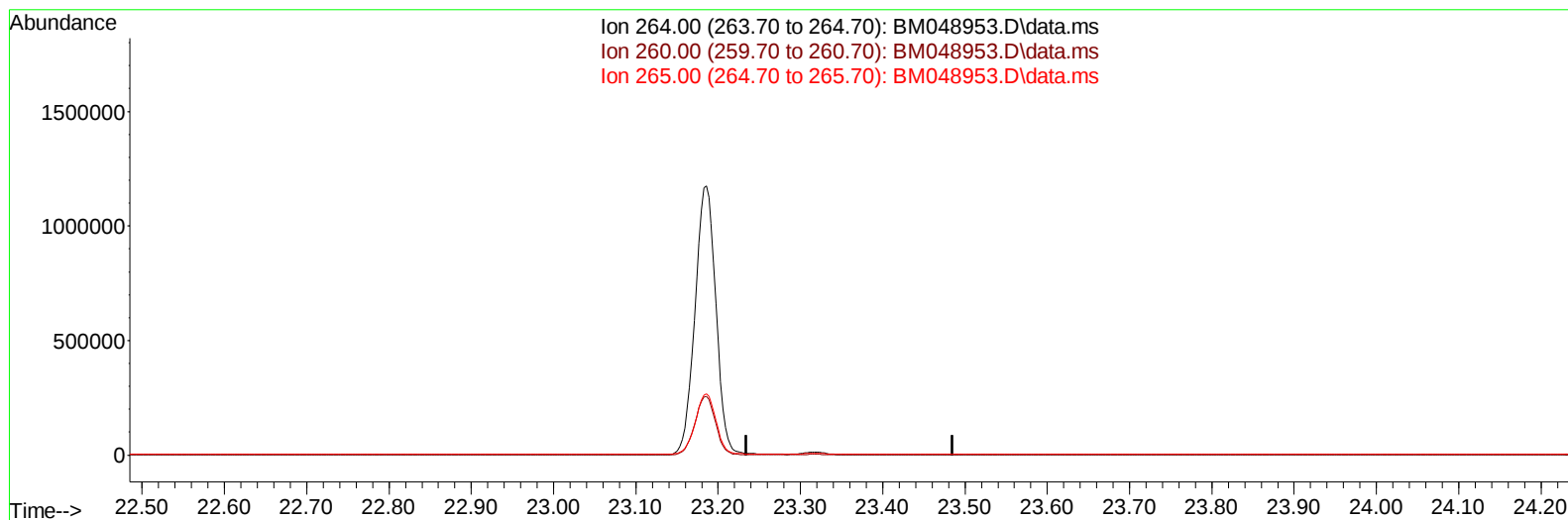
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

Quant Time: Dec 11 13:25:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
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TIC: BM048953.D\data.ms

(23) Perylene-d12 (I)

23.335min (-23.335) 0.00 ng/u1

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.50	0.00#
265.00	82.60	0.00#
0.00	0.00	0.00

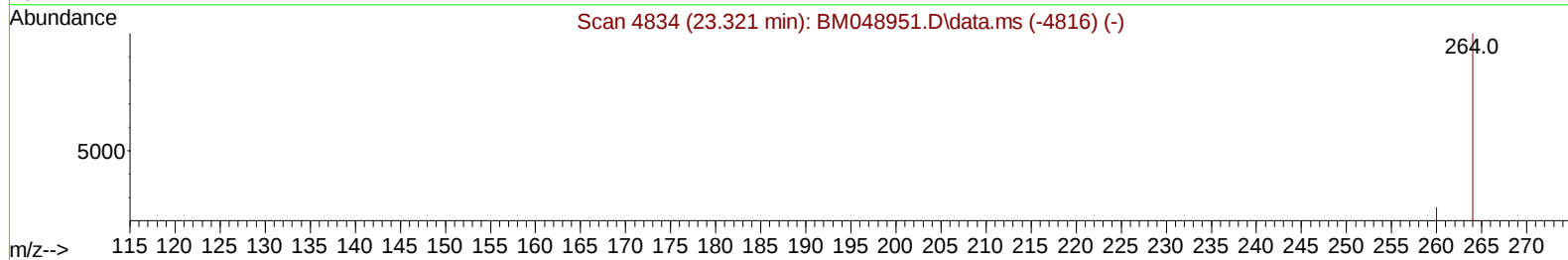
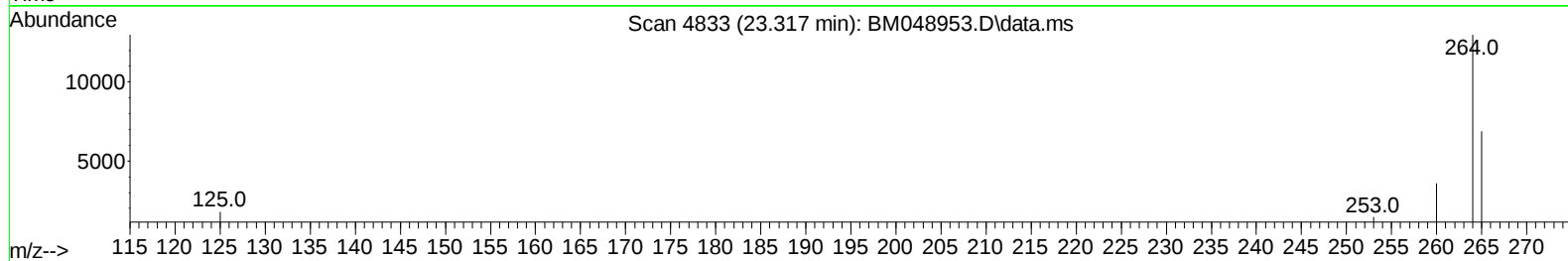
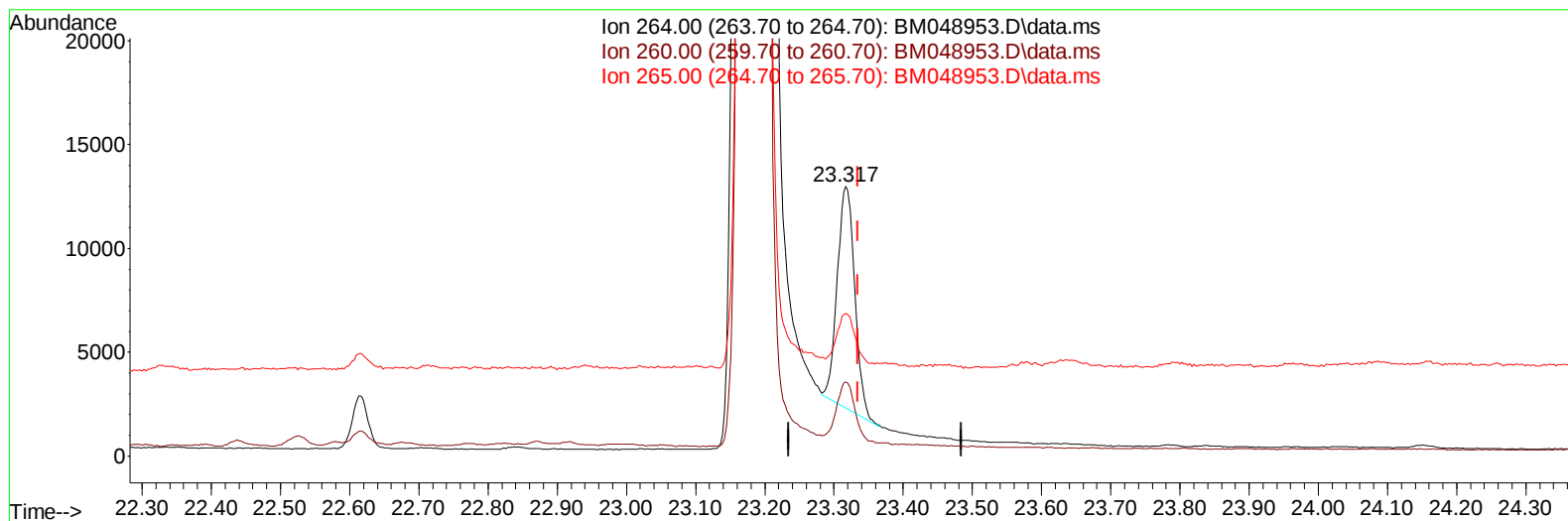
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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TIC: BM048953.D\data.ms

(23) Perylene-d12 (I)

23.317min (-0.018) 0.40 ng/u1 m

response 18614

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.50	27.48
265.00	82.60	52.95#
0.00	0.00	0.00

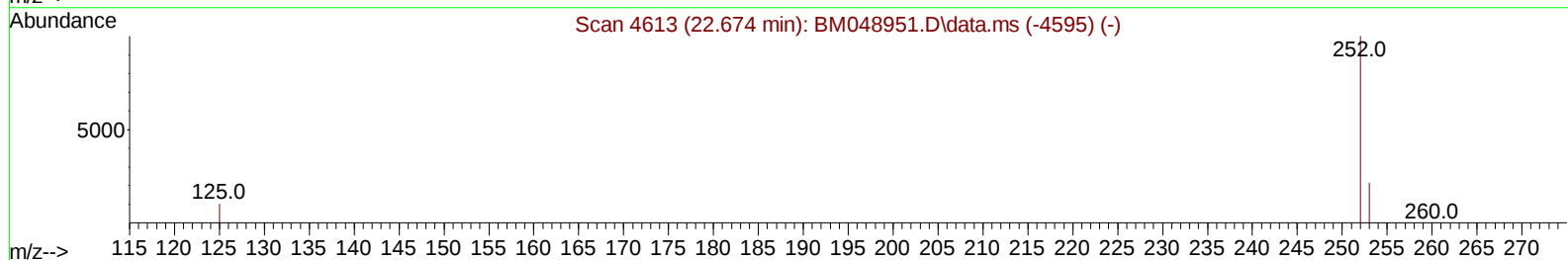
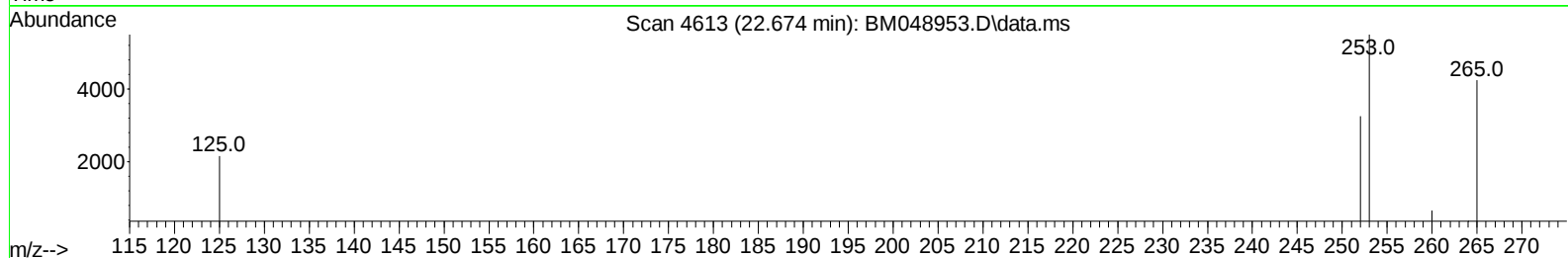
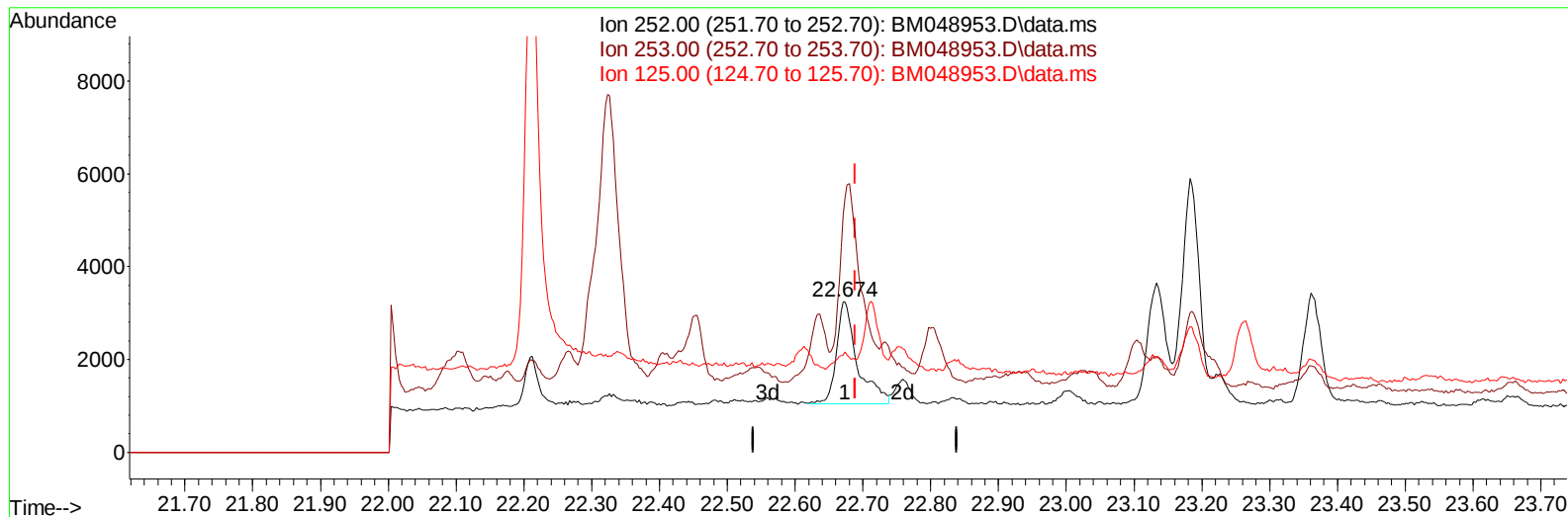
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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TIC: BM048953.D\data.ms

(24) Benzo(b)fluoranthene

22.674min (-0.015) 0.07 ng/u1

response 4758

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	169.43#
125.00	18.30	66.56#
0.00	0.00	0.00

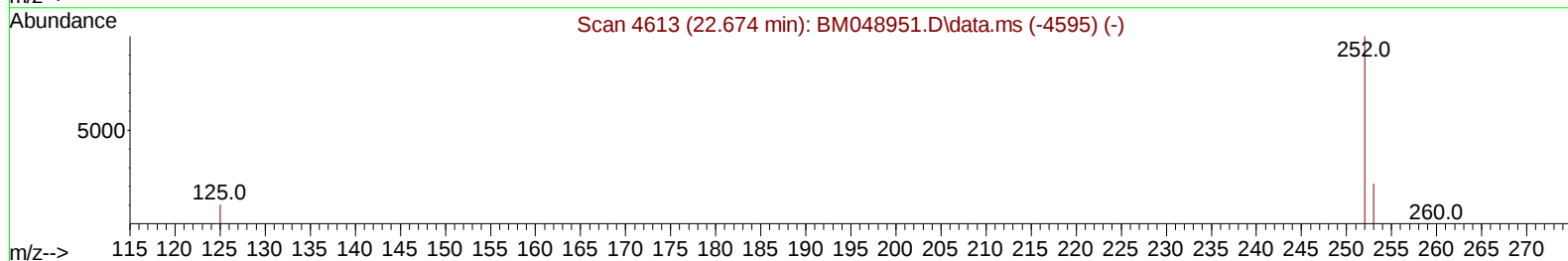
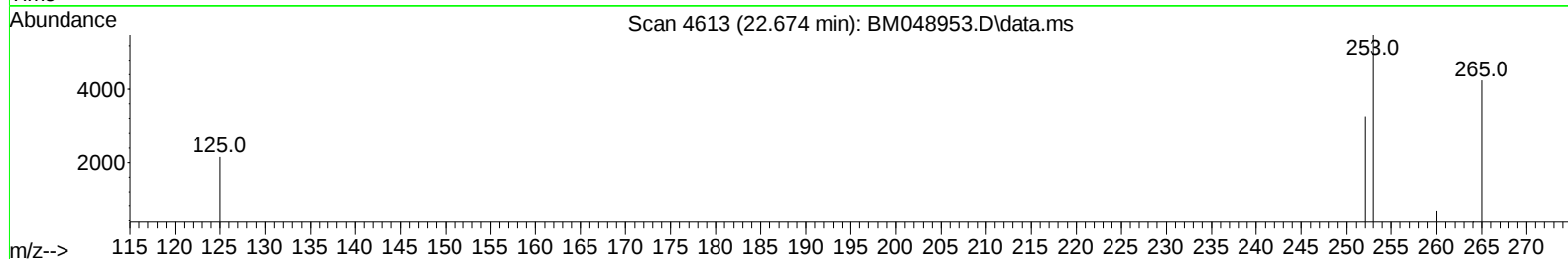
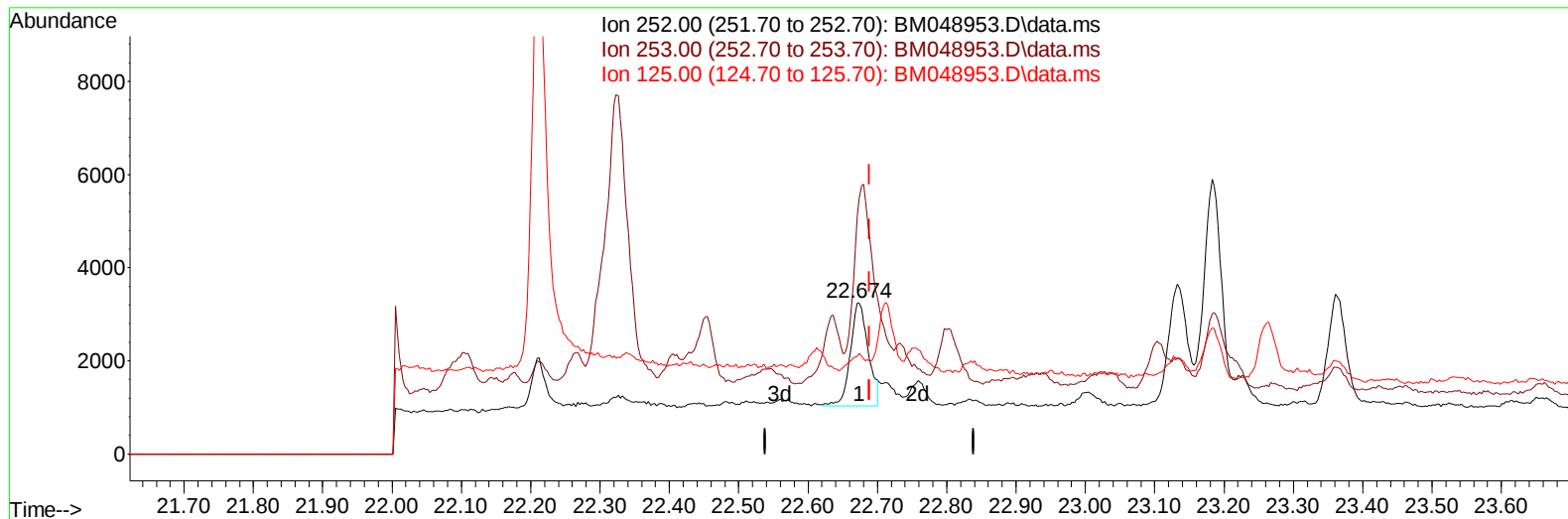
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
Data File : BM048953.D
Acq On : 11 Dec 2024 12:56
Operator : RC/JU
Sample : P5066-13
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E28N1

Manual IntegrationsAPPROVED

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TIC: BM048953.D\data.ms

(24) Benzo(b)fluoranthene

22.674min (-0.015) 0.06 ng/u1 m

response 3960

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.50	169.43#
125.00	18.30	66.56#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121024\
 Data File : BM048953.D
 Acq On : 11 Dec 2024 12:56
 Operator : RC/JU
 Sample : P5066-13
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E28N1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.577	152	6683	0.400	ng/ul	0.00
4) Naphthalene-d8	10.343	136	20420	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.211	164	12425	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.960	188	27975m	0.400	ng/ul	0.00
17) Chrysene-d12	21.155	240	19797m	0.400	ng/ul	0.00
23) Perylene-d12	23.317	264	18614m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	38455	4.923	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.937	152	11937	0.458	ng/ul	0.00
18) Fluoranthene-d10	18.988	212	28848m	0.488	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.392	128	5486	0.105	ng/ul#	75
7) 2-Methylnaphthalene	12.009	142	17515	0.548	ng/ul	97
8) 1-Methylnaphthalene	12.234	142	14310	0.439	ng/ul	94
10) Acenaphthylene	13.933	152	1246	0.024	ng/ul#	1
11) Acenaphthene	14.271	153	981	0.025	ng/ul#	71
12) Fluorene	15.265	166	1682	0.038	ng/ul#	45
15) Phenanthrene	16.998	178	45647m	0.595	ng/ul	
19) Fluoranthene	19.021	202	3254m	0.040	ng/ul	
20) Pyrene	19.383	202	6835m	0.077	ng/ul	
21) Benzo(a)anthracene	21.169	228	5228m	0.075	ng/ul	
22) Chrysene	21.187	228	6402m	0.081	ng/ul	
24) Benzo(b)fluoranthene	22.674	252	3960m	0.062	ng/ul	
29) Benzo(g,h,i)perylene	26.118	276	9745	0.145	ng/ul#	88

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

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