

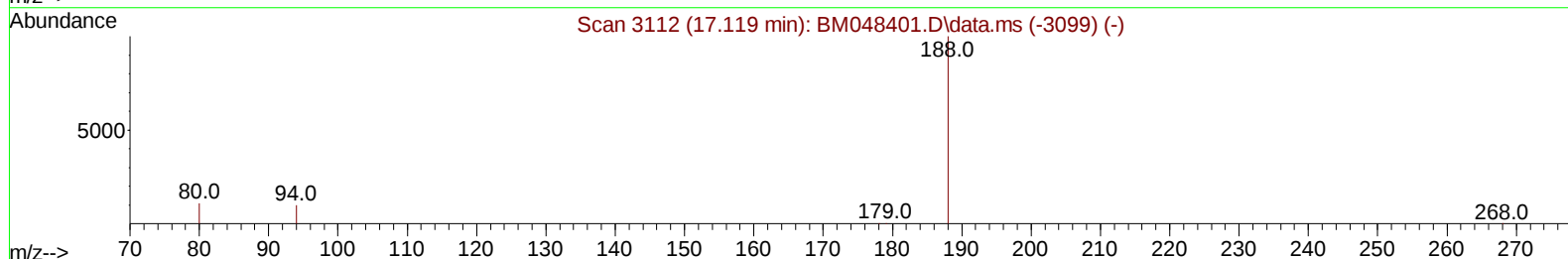
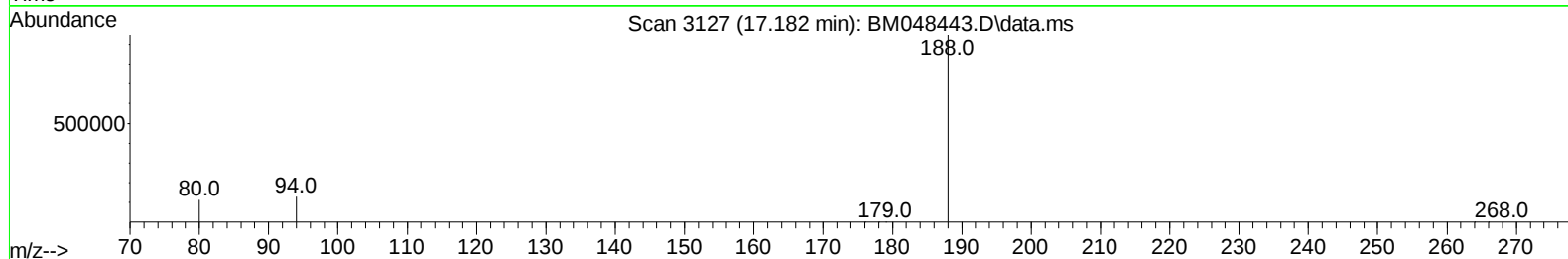
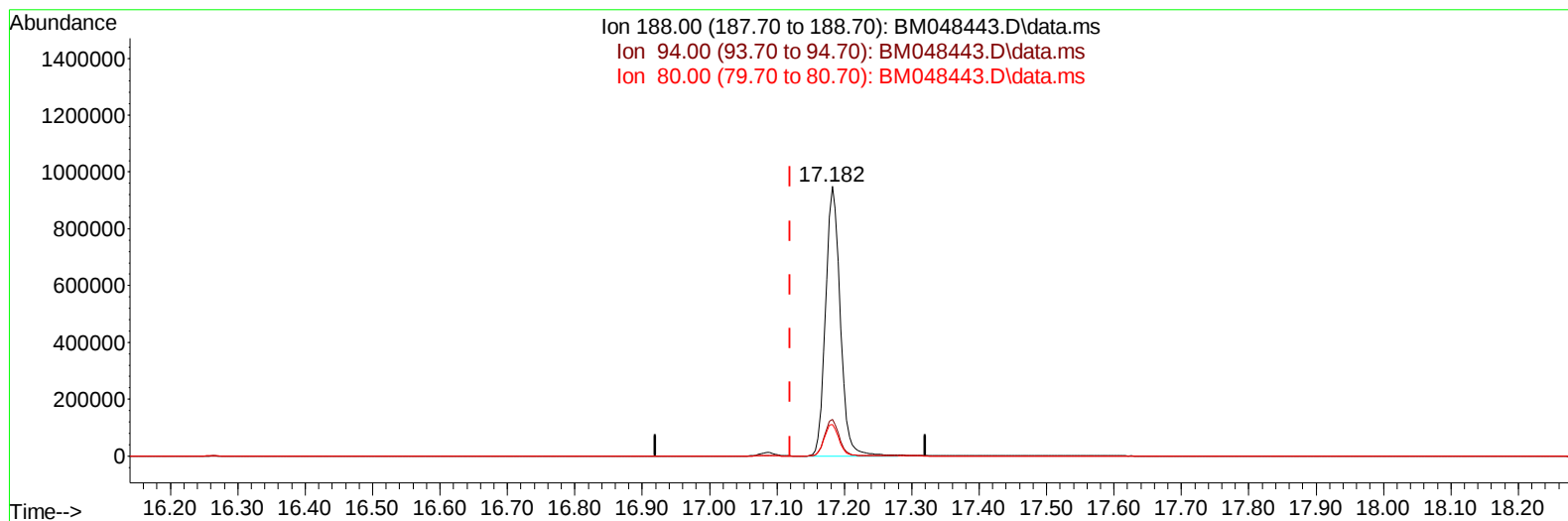
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(13) Phenanthrene-d10 (I)

17.182min (+ 0.062) 0.40 ng/u1

response 1433035

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	13.55
80.00	12.10	11.80
0.00	0.00	0.00

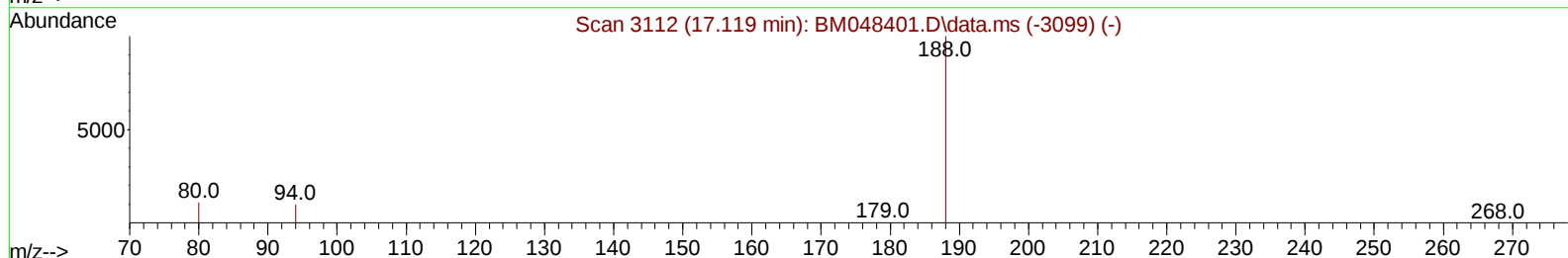
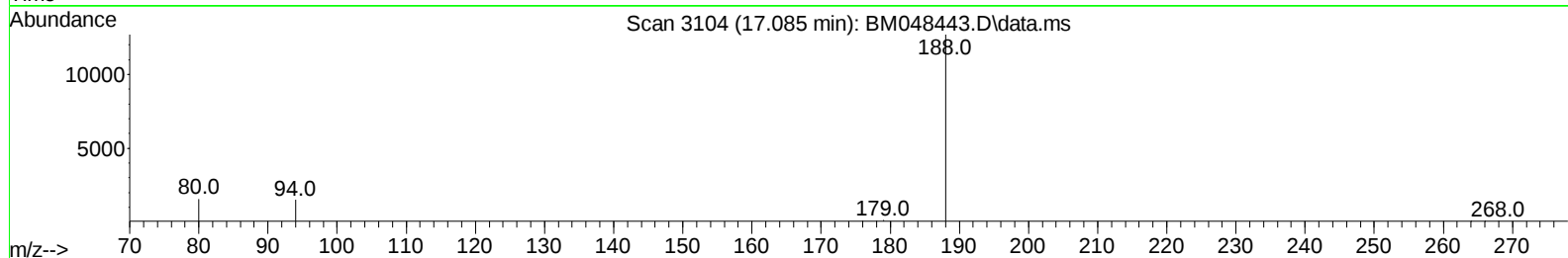
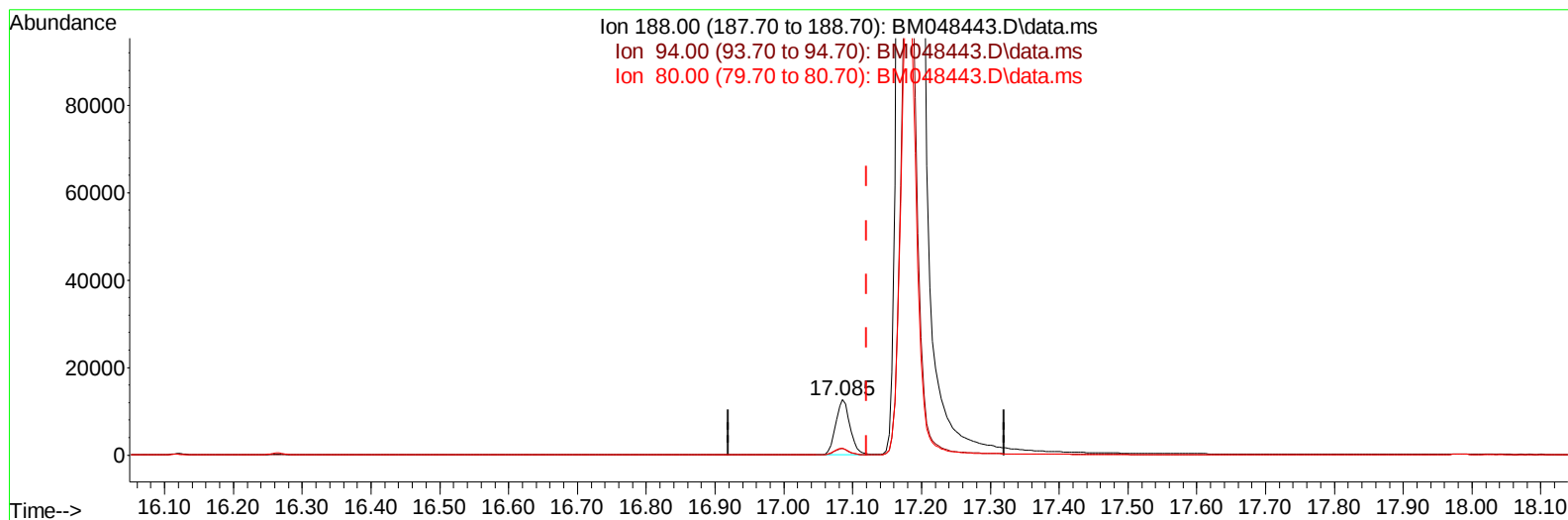
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(13) Phenanthrene-d10 (I)

17.085min (-0.035) 0.40 ng/ul m

response 18275

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	11.81
80.00	12.10	12.27
0.00	0.00	0.00

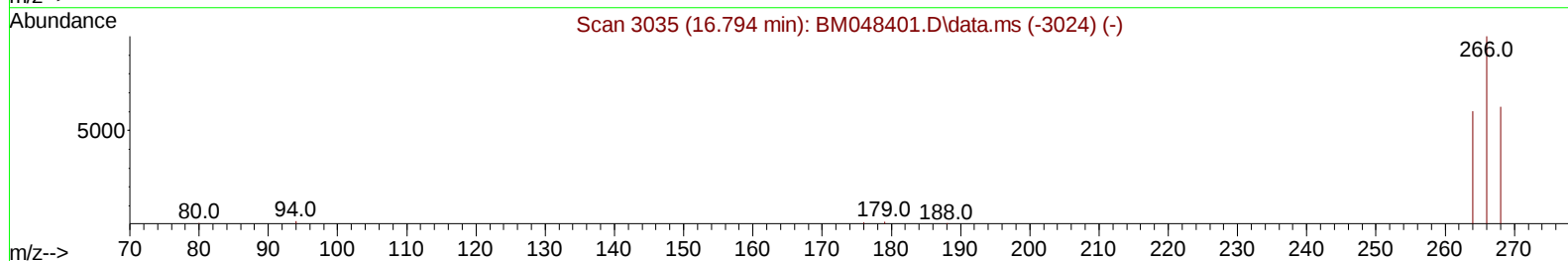
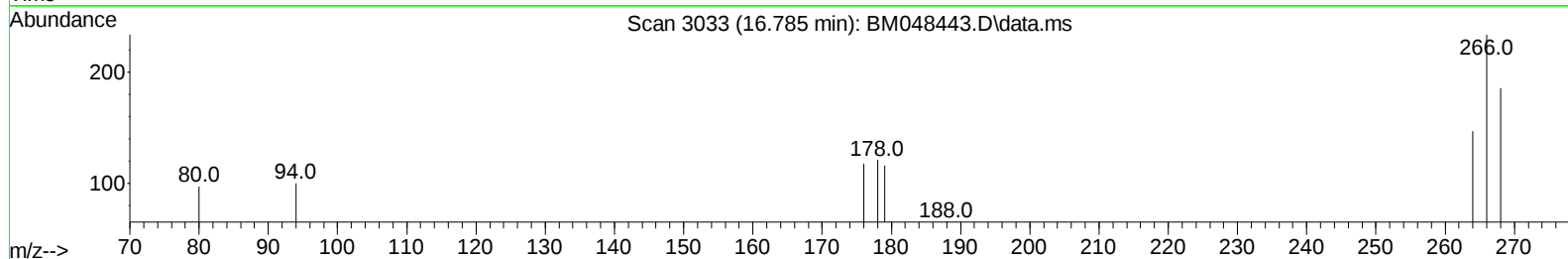
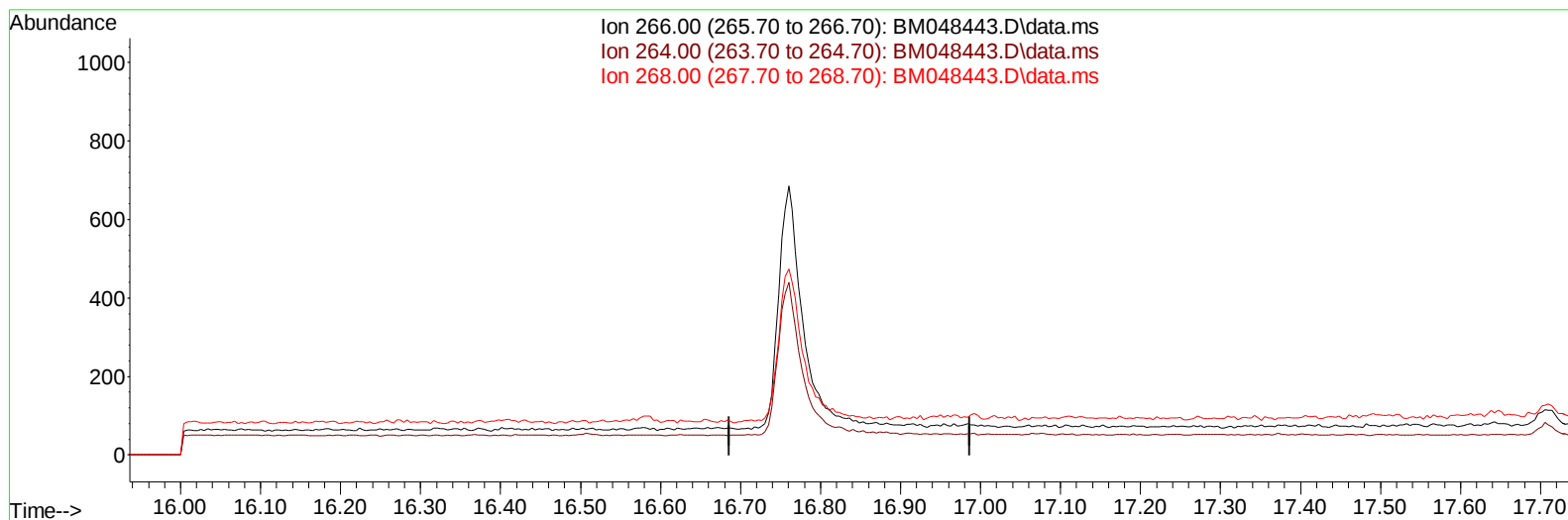
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
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TIC: BM048443.D\data.ms

(14) Pentachlorophenol

16.787min (-16.787) 0.00 ng/u1

response 0

Ion	Exp%	Act%
266.00	100.00	0.00
264.00	60.40	0.00#
268.00	57.80	0.00#
0.00	0.00	0.00

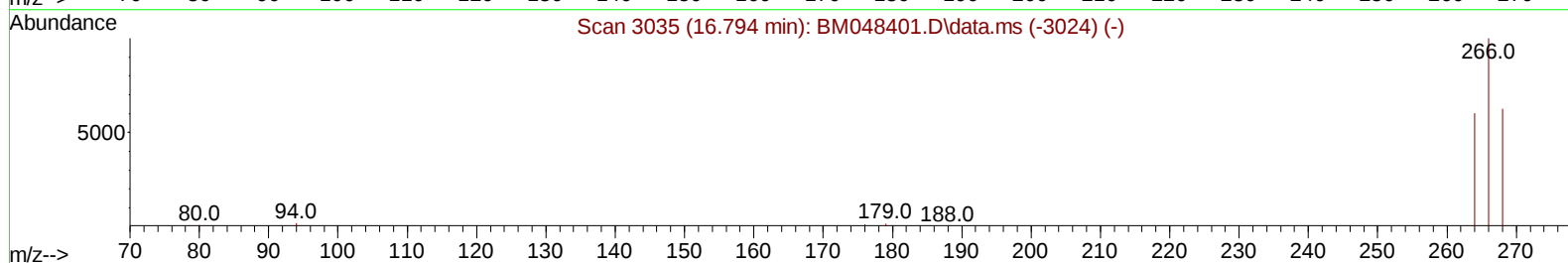
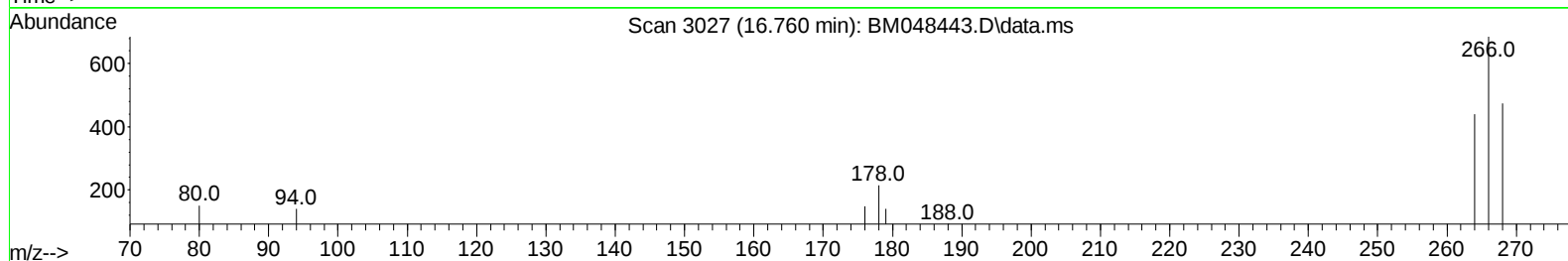
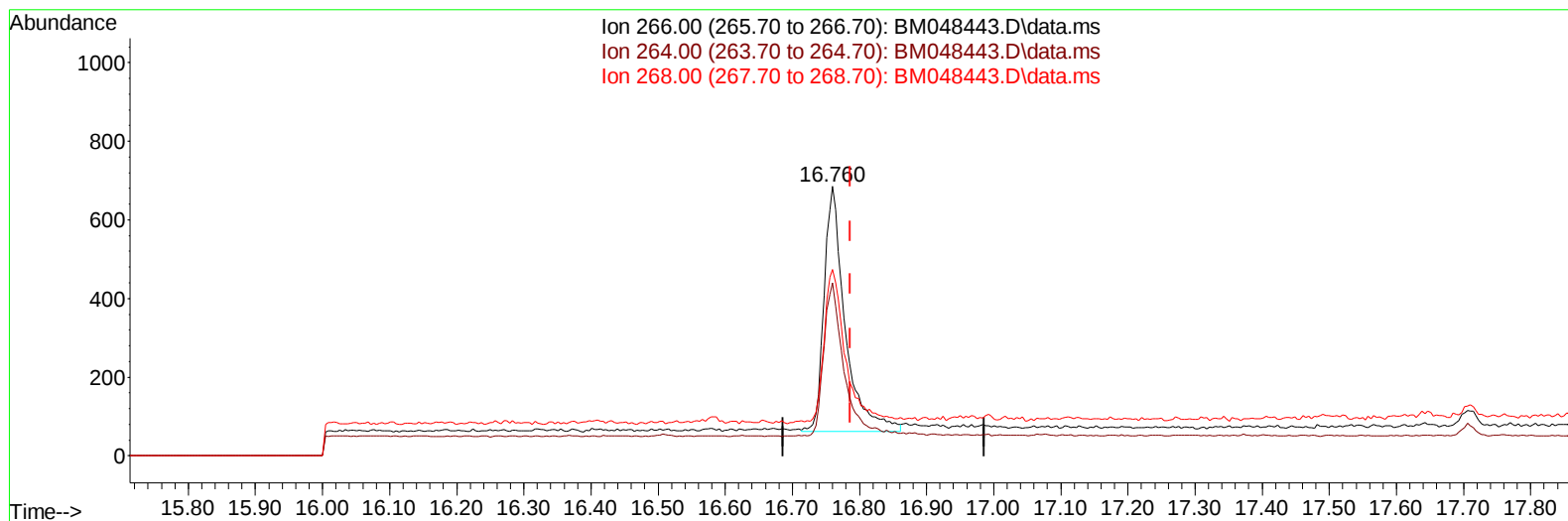
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(14) Pentachlorophenol

16.760min (-0.027) 0.27 ng/u1 m

response 1352

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	60.40	0.00#
268.00	57.80	0.00#
0.00	0.00	0.00

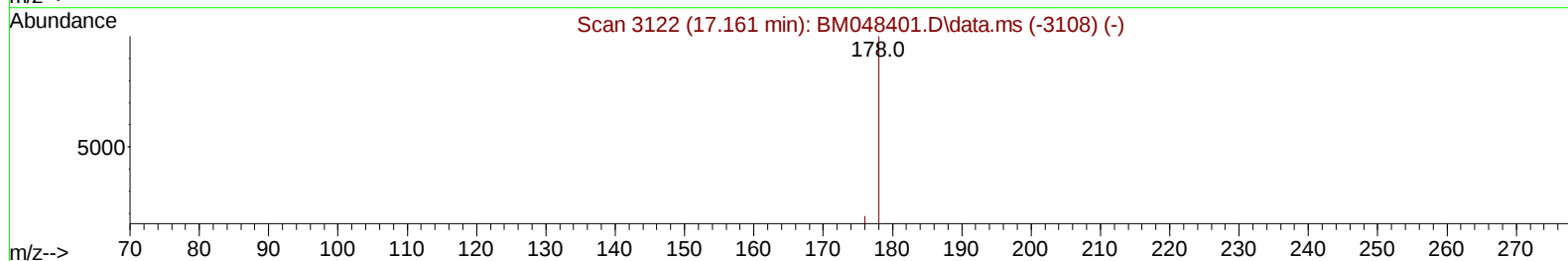
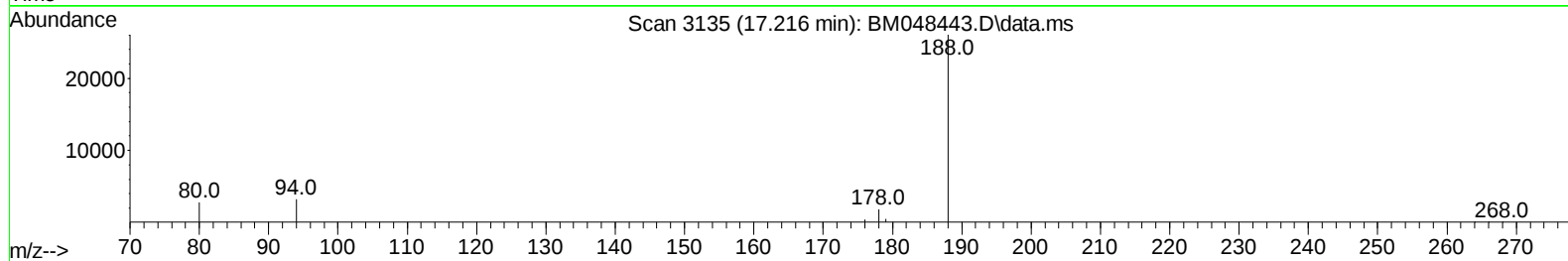
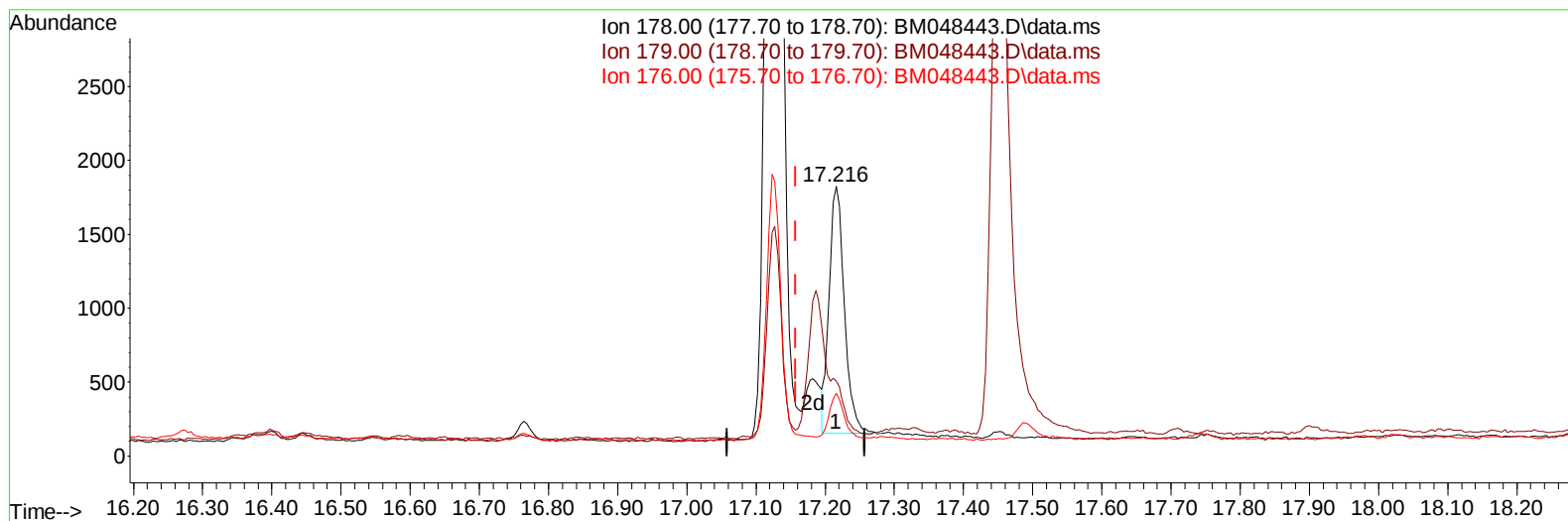
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
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QLast Update : Thu Oct 31 14:58:12 2024
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TIC: BM048443.D\data.ms

(15) Phenanthrene

17.216min (+ 0.058) 0.06 ng/u1

response 2564

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	27.80#
176.00	20.00	23.36
0.00	0.00	0.00

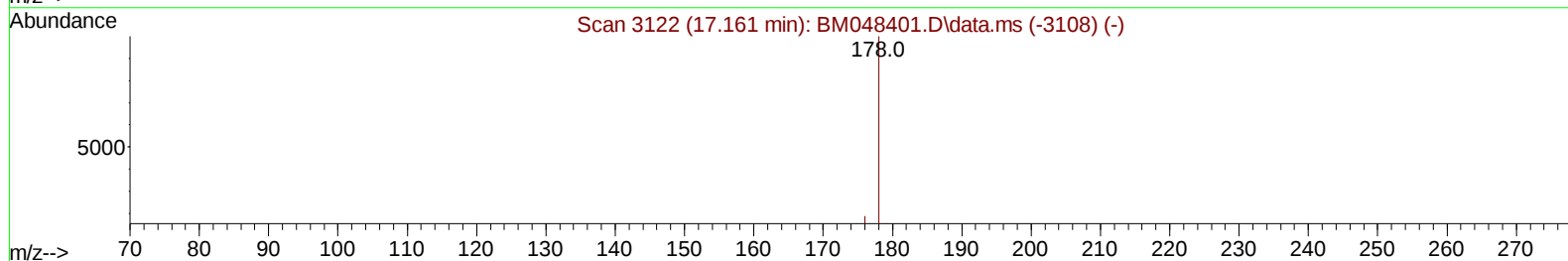
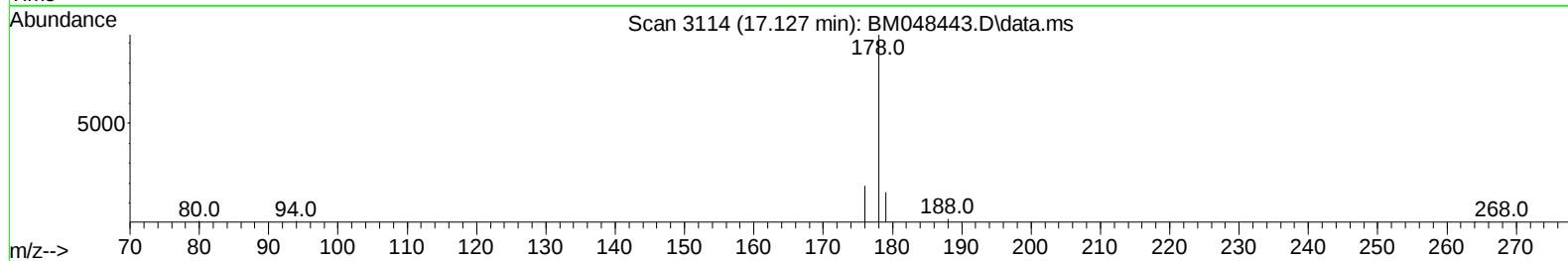
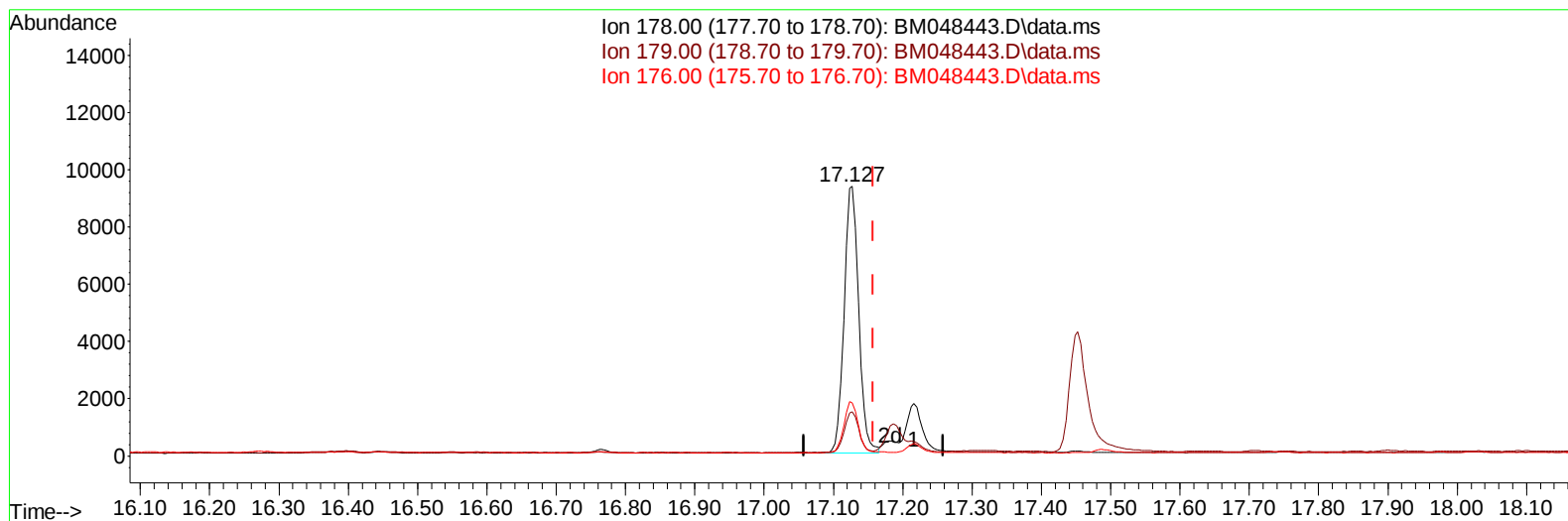
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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Reviewed By :Jagrut Upadhyay 11/05/2024
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TIC: BM048443.D\data.ms

(15) Phenanthrene

17.127min (-0.031) 0.30 ng/ul m

response 13658

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	16.51
176.00	20.00	19.76
0.00	0.00	0.00

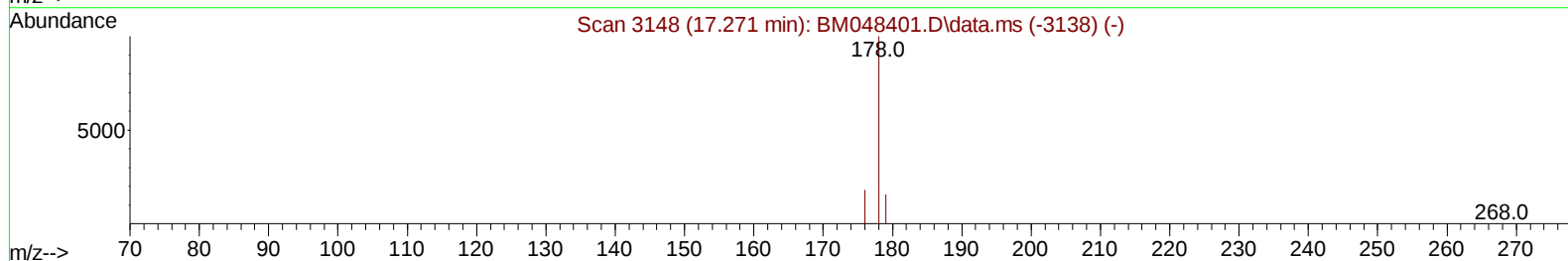
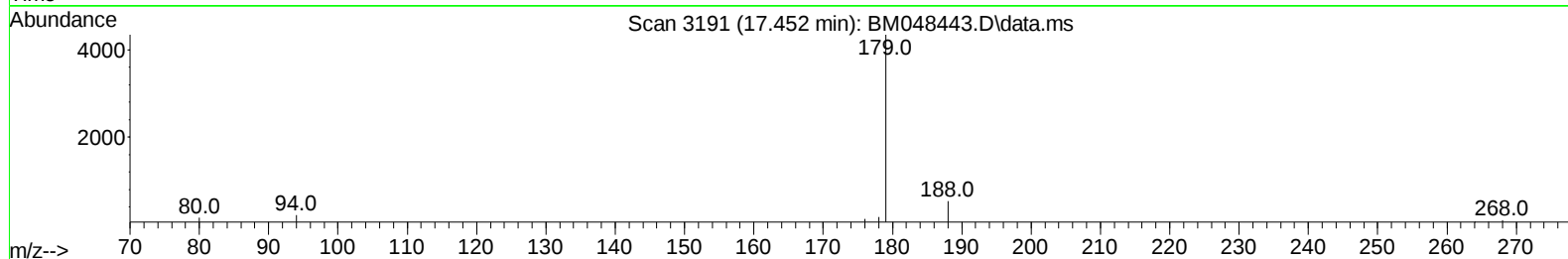
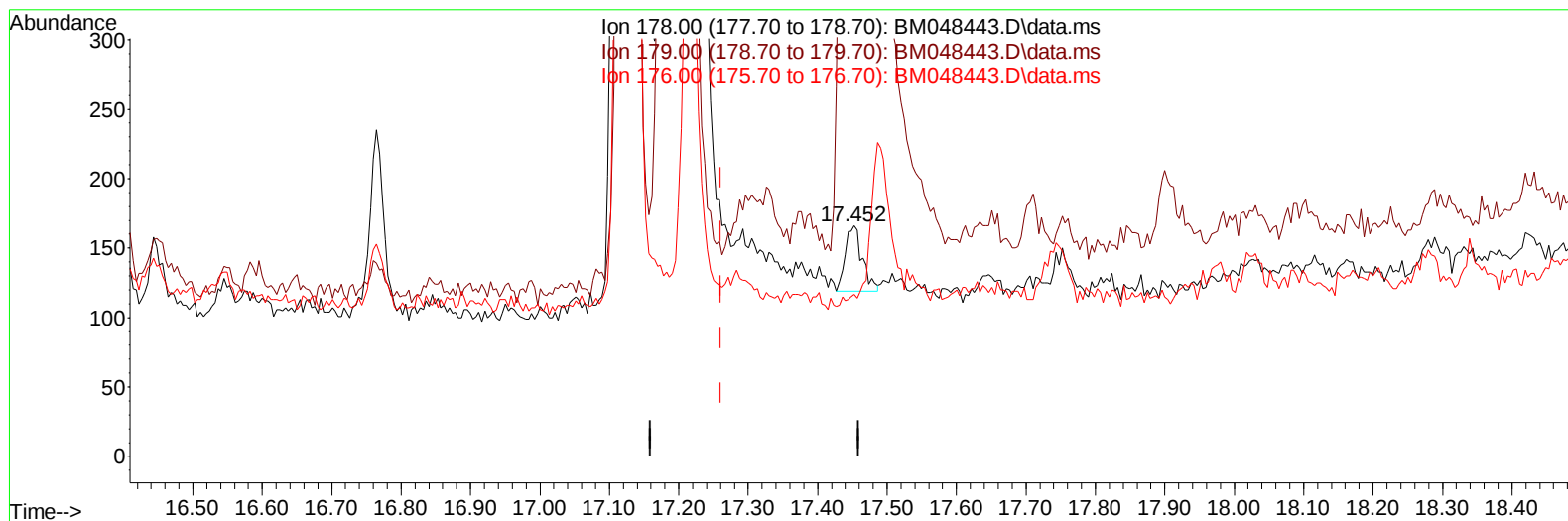
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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QLast Update : Thu Oct 31 14:58:12 2024
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TIC: BM048443.D\data.ms

(16) Anthracene

17.452min (+ 0.193) 0.00 ng/u1

response 80

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	2616.87#
176.00	19.70	70.48#
0.00	0.00	0.00

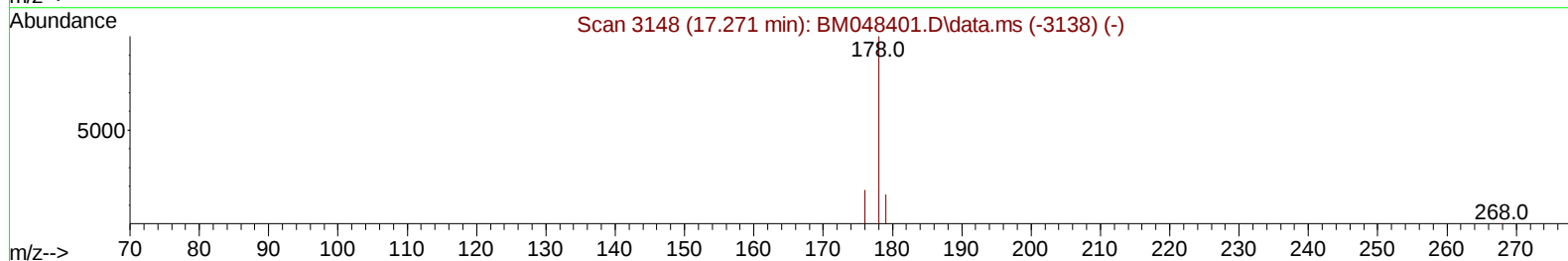
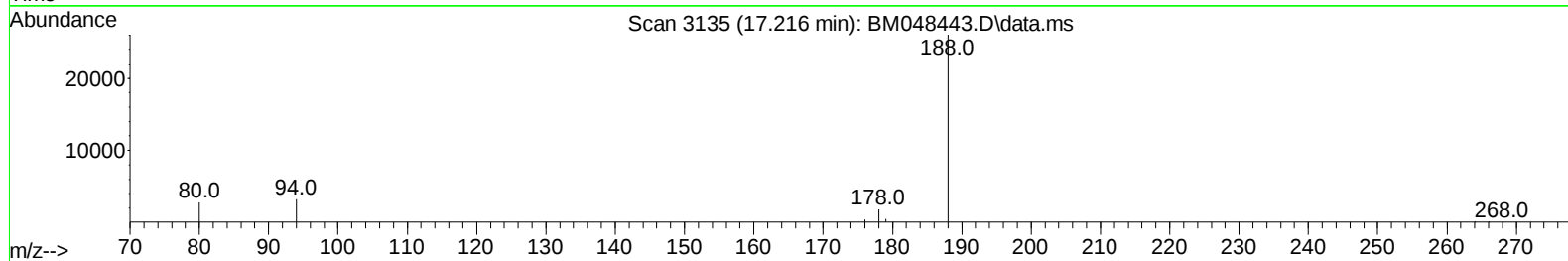
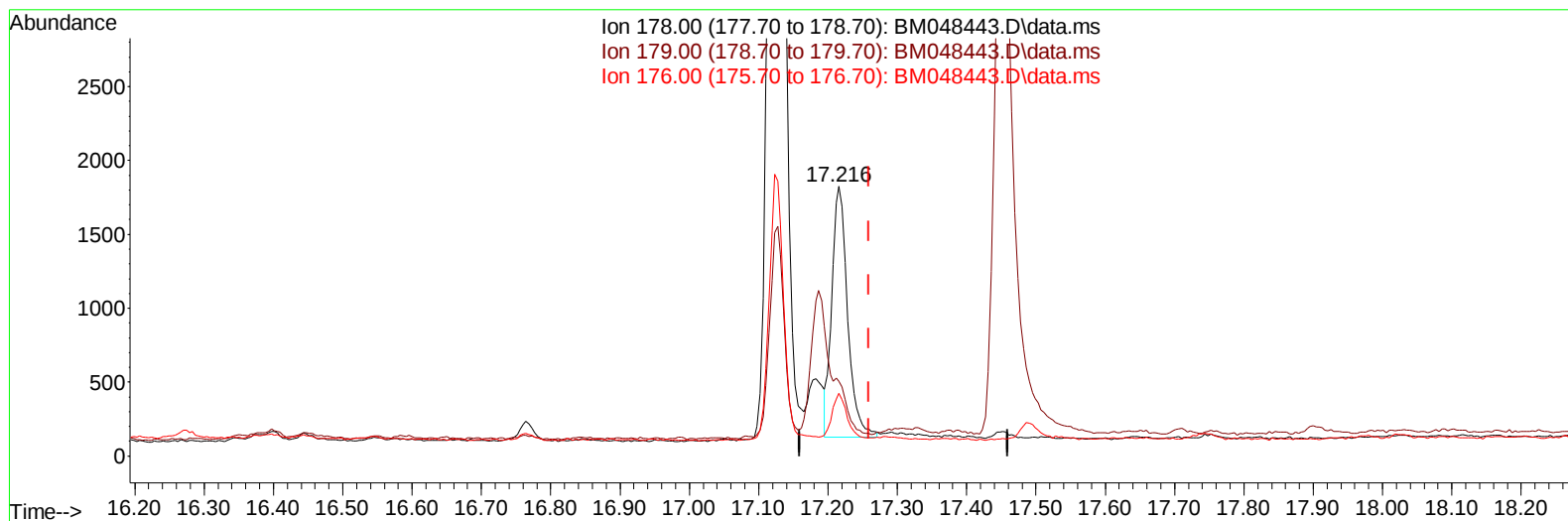
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(16) Anthracene

17.216min (-0.043) 0.06 ng/u1 m

response 2678

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	27.80#
176.00	19.70	23.36
0.00	0.00	0.00

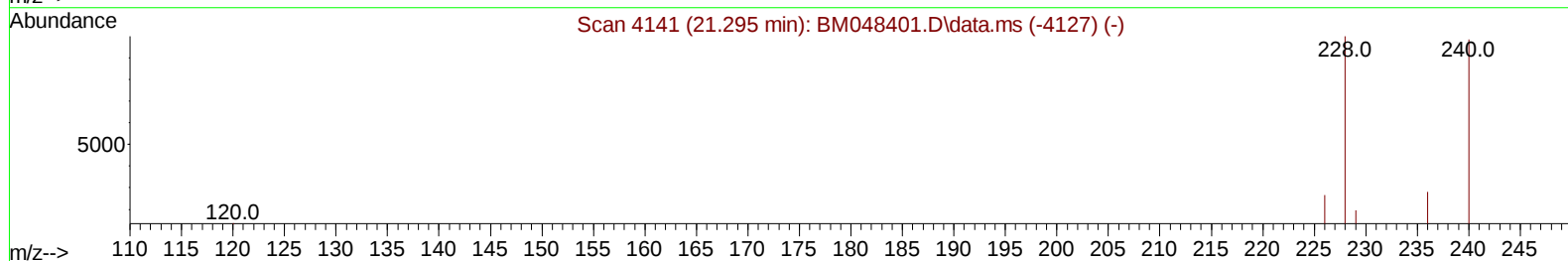
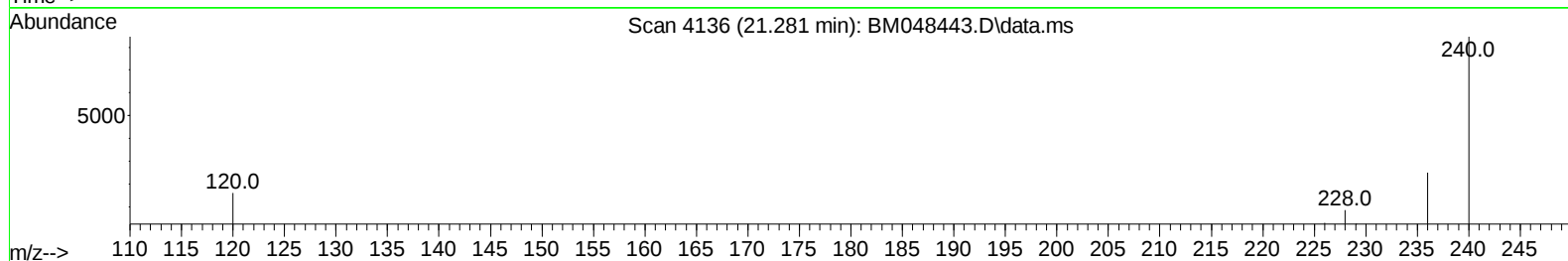
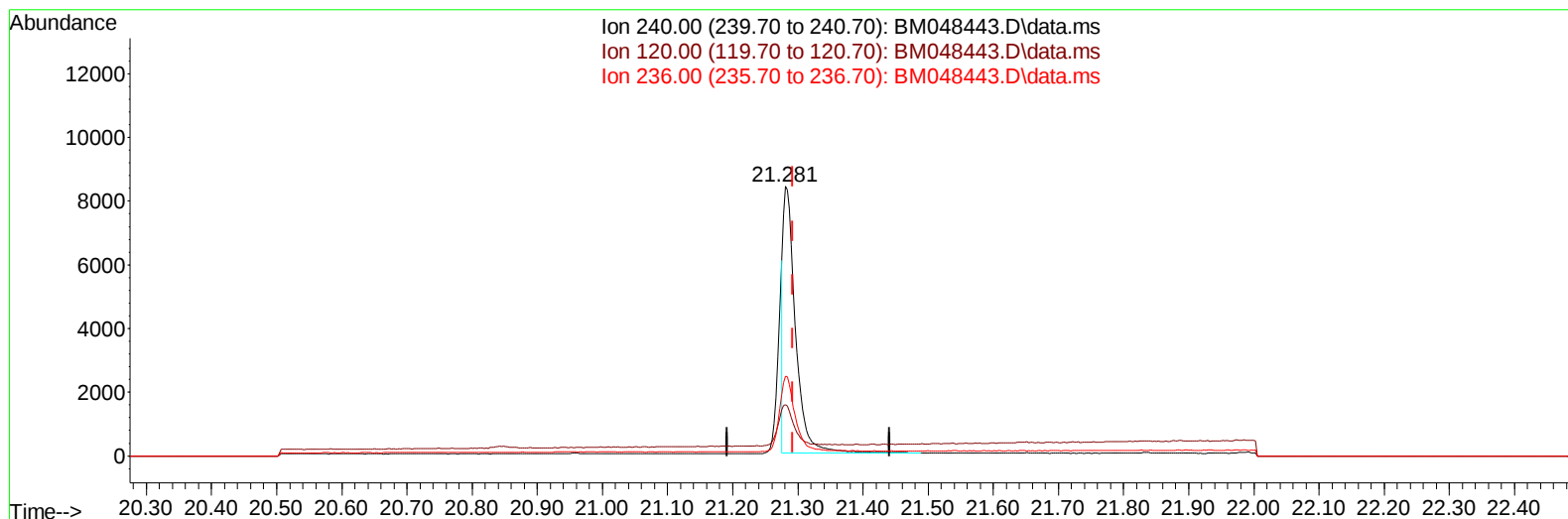
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

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TIC: BM048443.D\data.ms

(17) Chrysene-d12

21.281min (-0.011) 0.40 ng/u1

response 10970

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	19.01
236.00	29.90	29.61
0.00	0.00	0.00

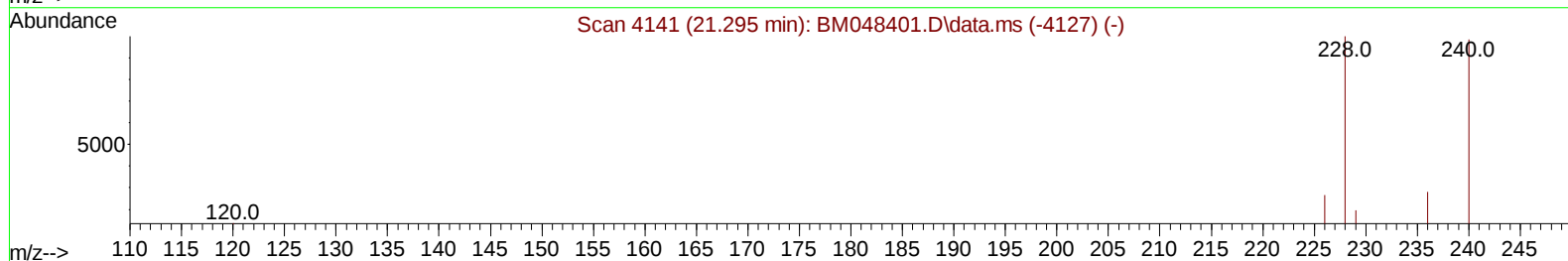
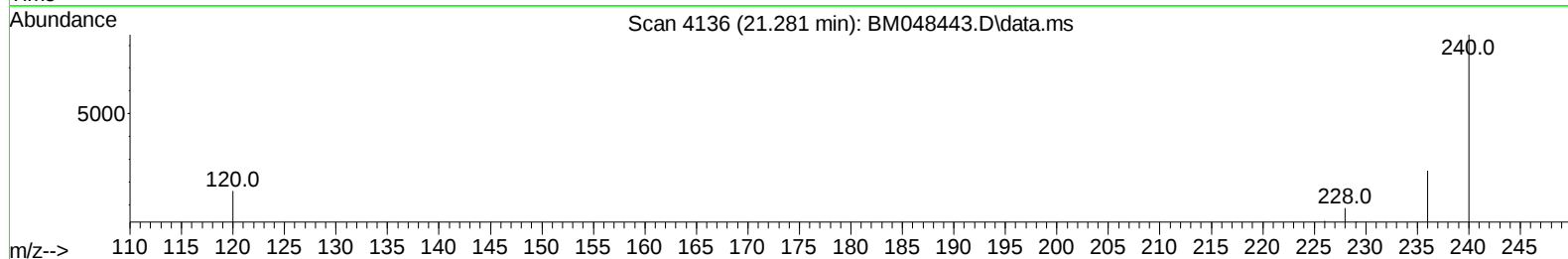
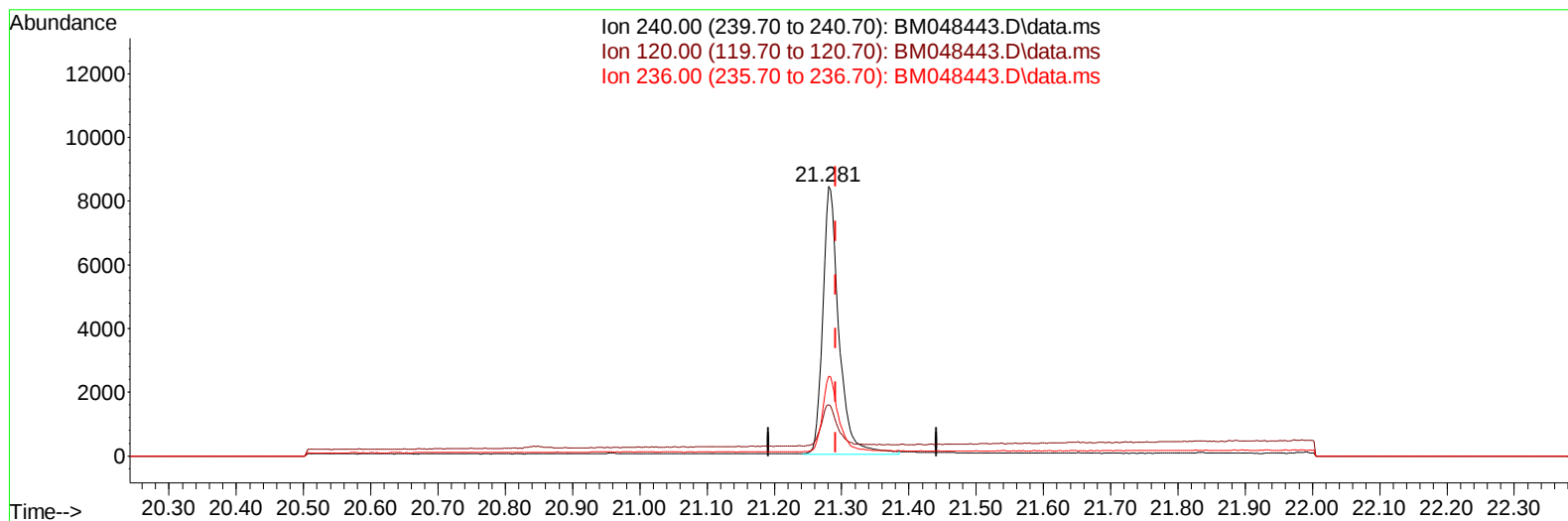
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
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TIC: BM048443.D\data.ms

(17) Chrysene-d12

21.281min (-0.011) 0.40 ng/ul m

response 14138

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	19.01
236.00	29.90	29.61
0.00	0.00	0.00

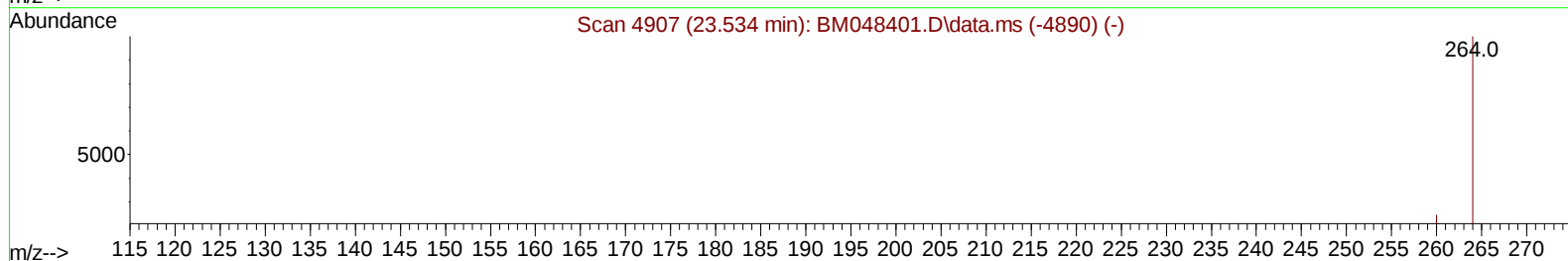
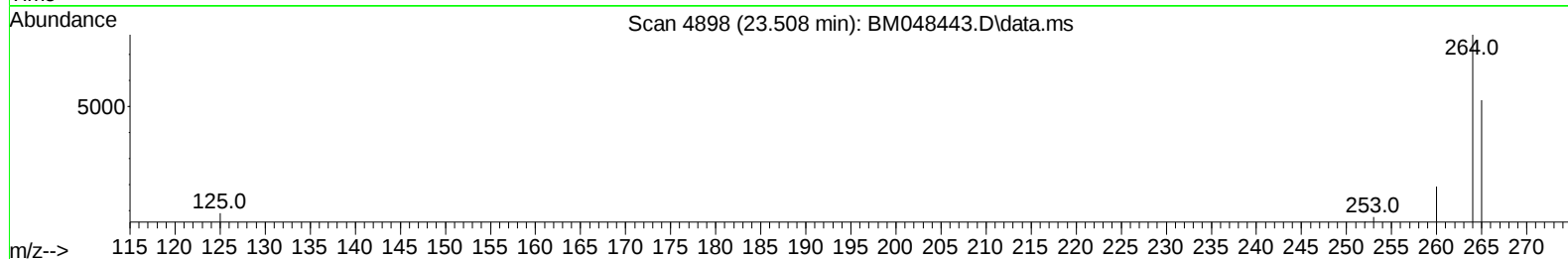
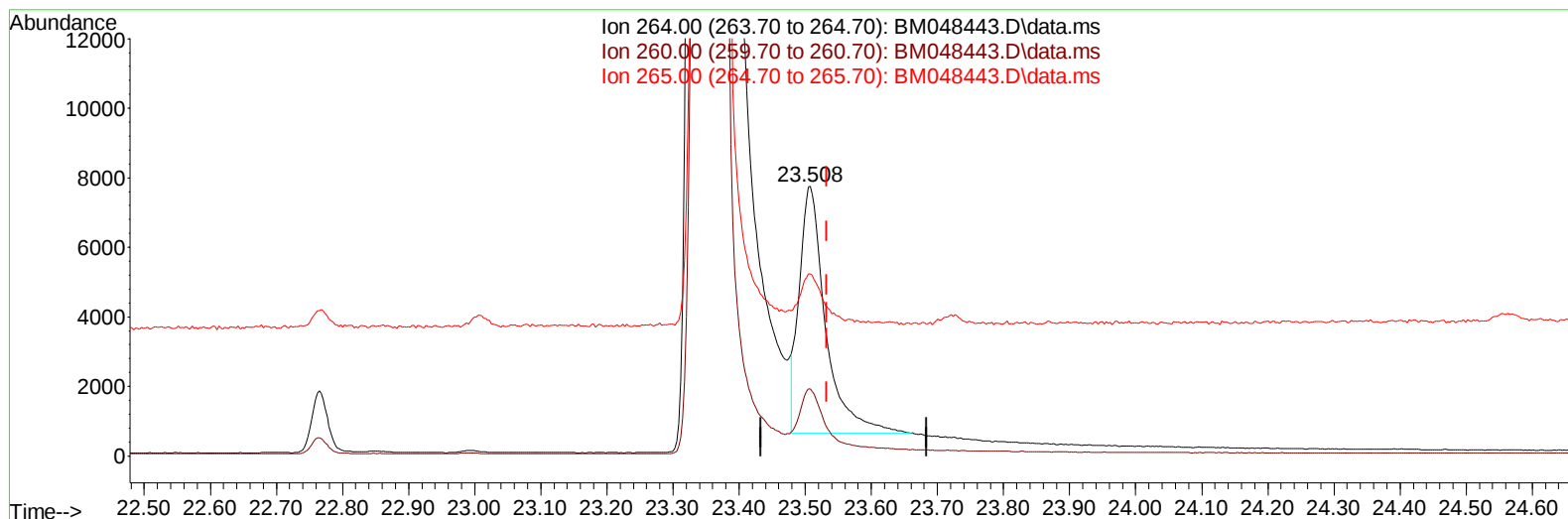
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
 Data File : BM048443.D
 Acq On : 05 Nov 2024 01:05
 Operator : RC/JU
 Sample : P4625-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
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TIC: BM048443.D\data.ms

(23) Perylene-d12 (I)

23.508min (-0.026) 0.40 ng/u1

response 19833

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.93
265.00	120.80	67.48#
0.00	0.00	0.00

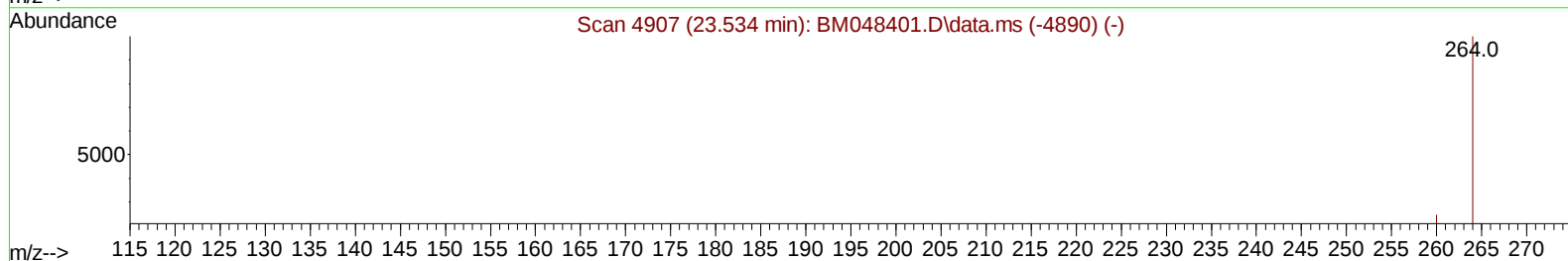
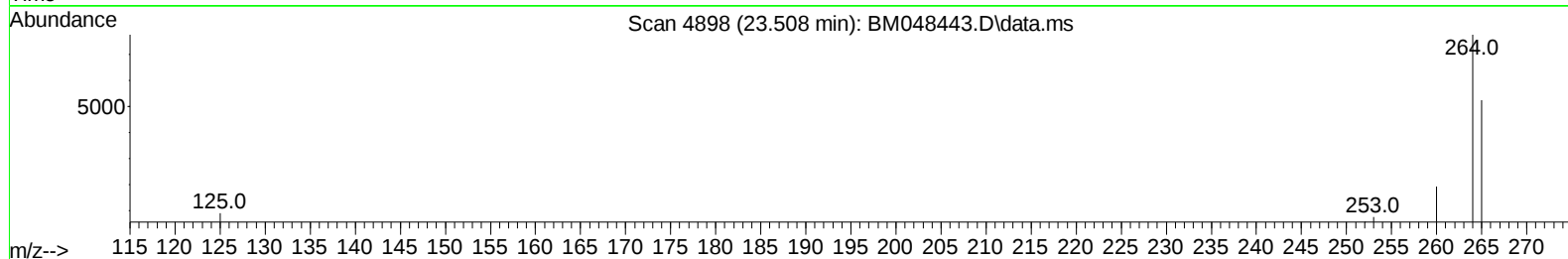
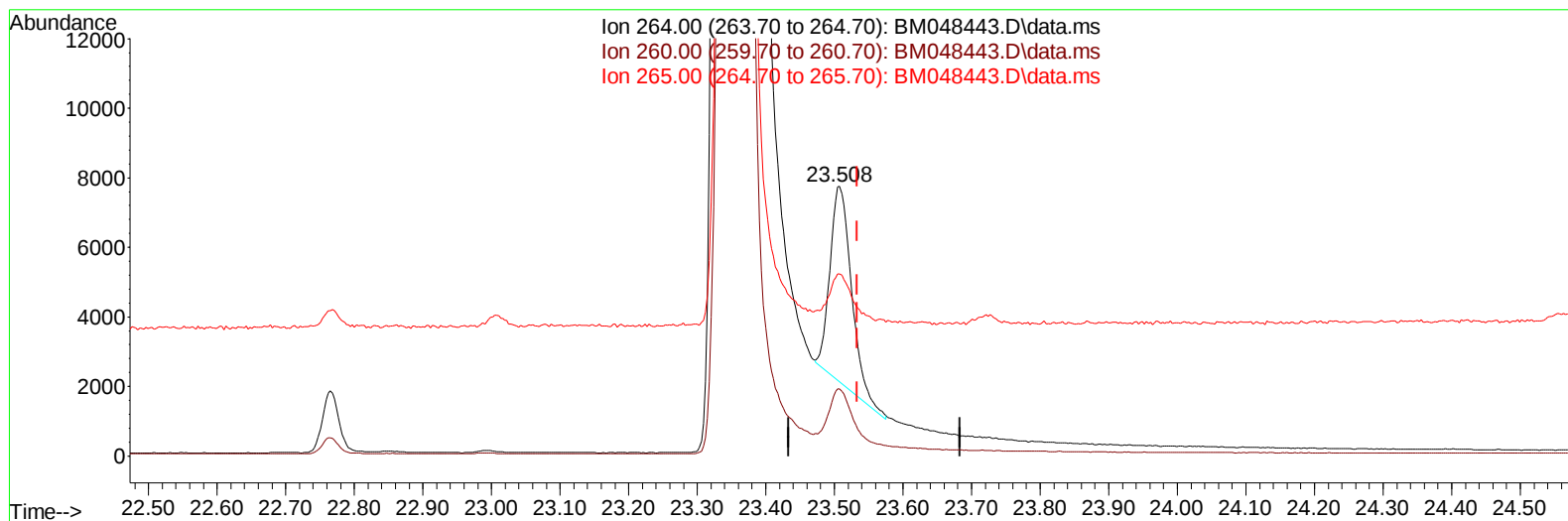
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(23) Perylene-d12 (I)

23.508min (-0.026) 0.40 ng/ul m

response 12146

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	24.93
265.00	120.80	67.48#
0.00	0.00	0.00

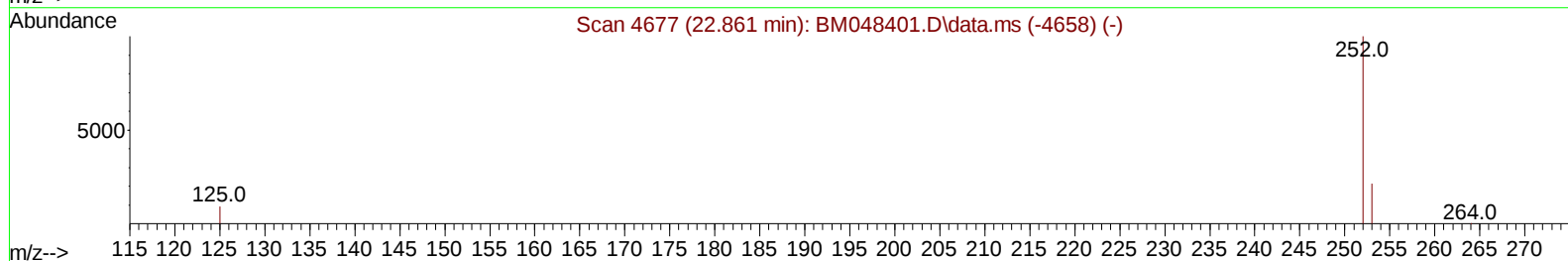
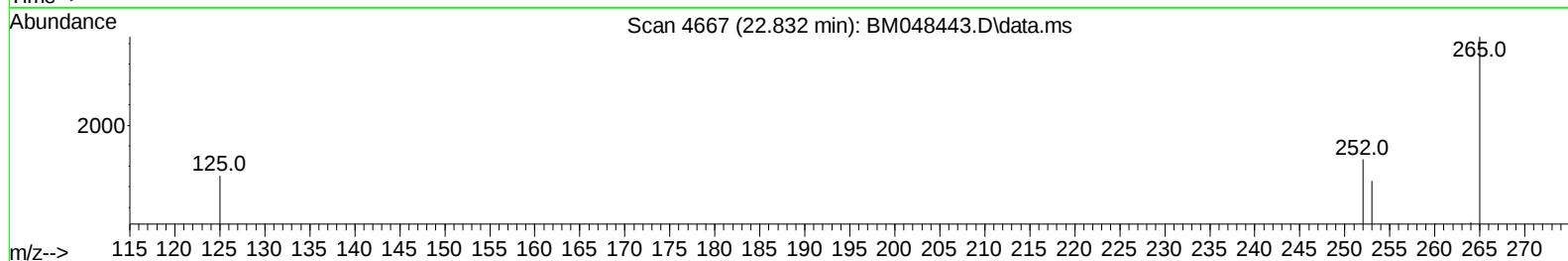
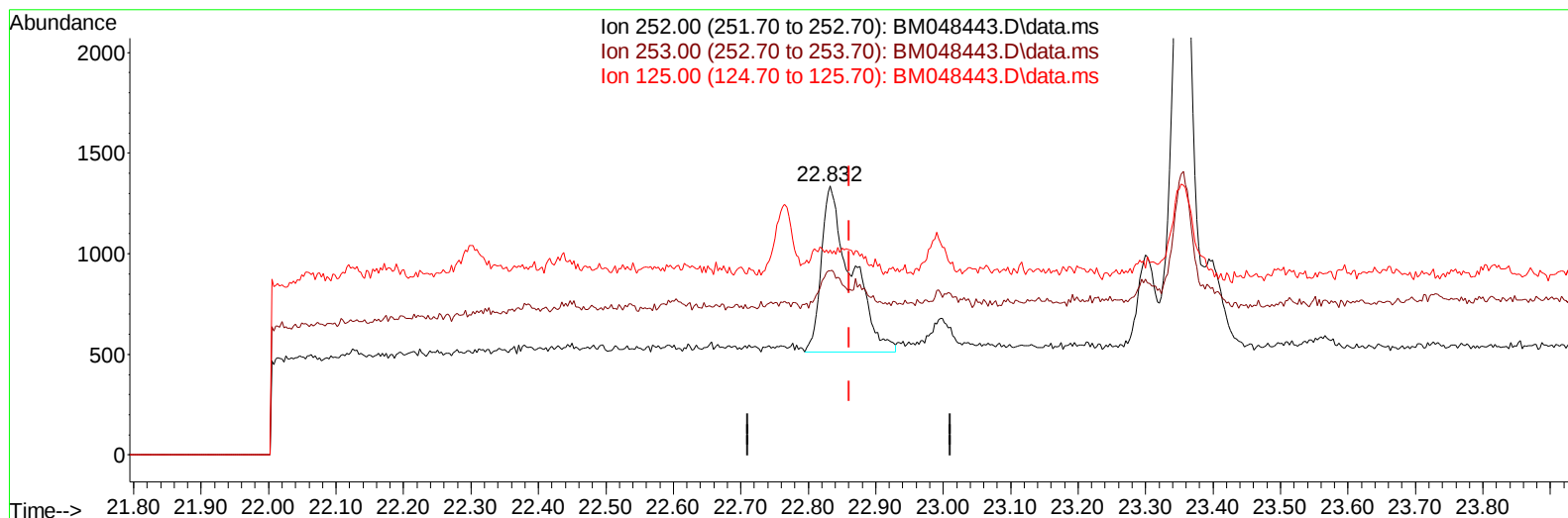
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
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TIC: BM048443.D\data.ms

(24) Benzo(b)fluoranthene

22.832min (-0.029) 0.06 ng/u1

response 2551

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	68.41#
125.00	19.00	76.35#
0.00	0.00	0.00

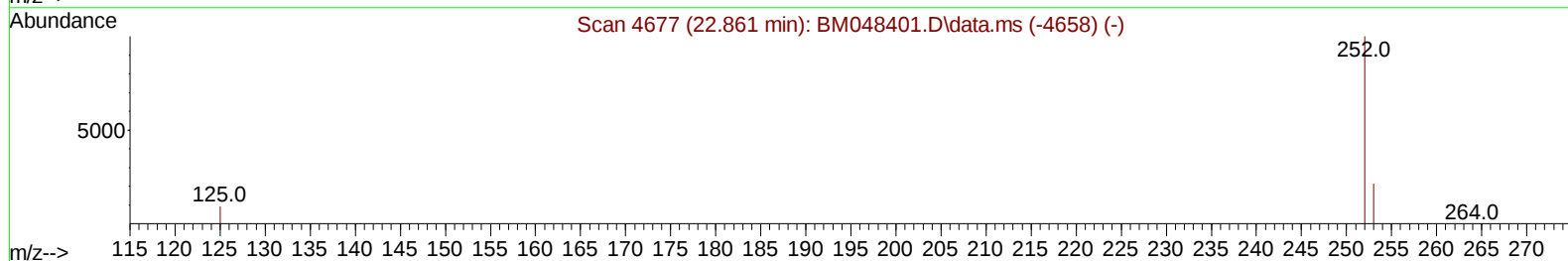
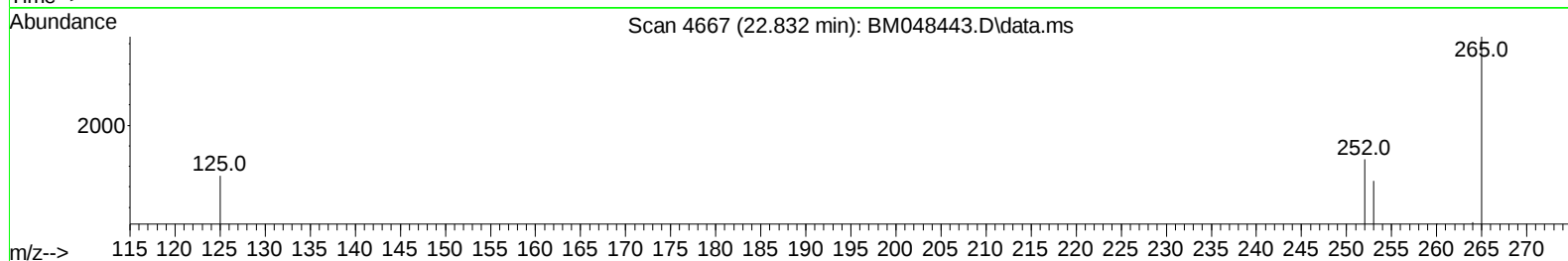
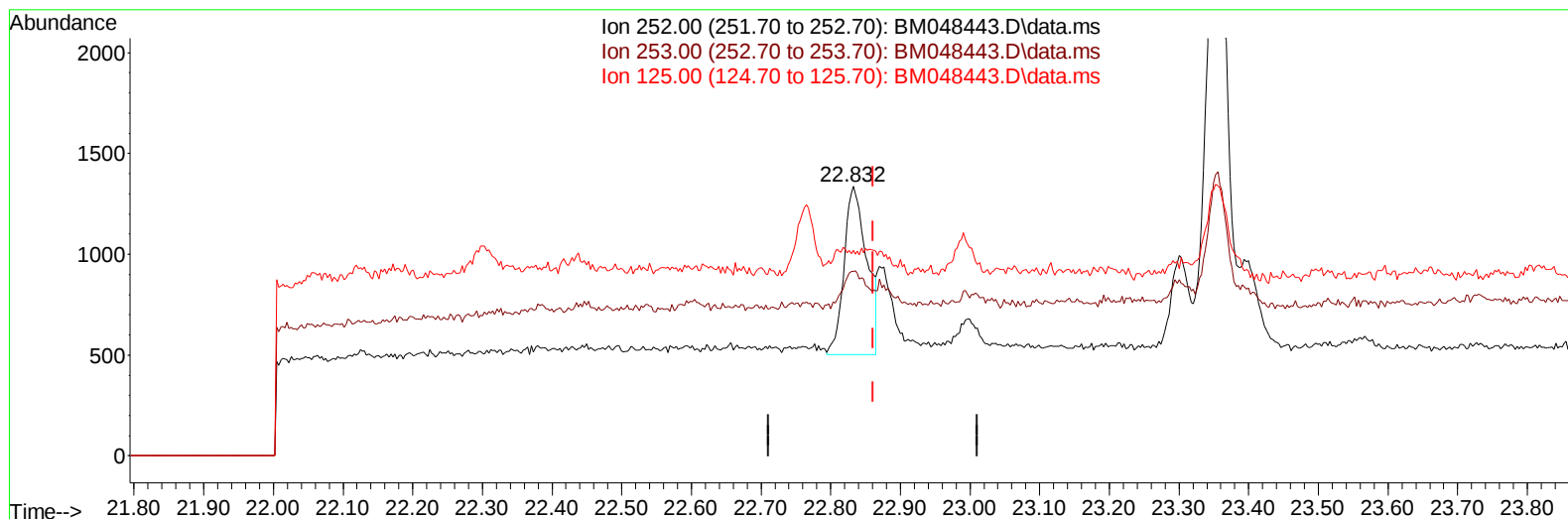
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
Data File : BM048443.D
Acq On : 05 Nov 2024 01:05
Operator : RC/JU
Sample : P4625-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Manual IntegrationsAPPROVED

Quant Time: Nov 05 02:16:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 31 14:58:12 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



TIC: BM048443.D\data.ms

(24) Benzo(b)fluoranthene

22.832min (-0.029) 0.05 ng/u1 m

response 1882

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	68.41#
125.00	19.00	76.35#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110424\
 Data File : BM048443.D
 Acq On : 05 Nov 2024 01:05
 Operator : RC/JU
 Sample : P4625-13
 Misc :
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 31 14:58:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	5569	0.400	ng/ul	-0.05
4) Naphthalene-d8	10.484	136	17450	0.400	ng/ul	#-0.05
9) Acenaphthene-d10	14.344	164	9040	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.085	188	18275m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.281	240	14138m	0.400	ng/ul	-0.01
23) Perylene-d12	23.508	264	12146m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	34384	5.027	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.101	152	7248	0.326	ng/ul	-0.04
18) Fluoranthene-d10	19.117	212	17311	0.482	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.534	128	17060	0.374	ng/ul	97
7) 2-Methylnaphthalene	12.178	142	2759	0.102	ng/ul	98
8) 1-Methylnaphthalene	12.393	142	2266	0.078	ng/ul	98
11) Acenaphthene	14.404	153	3368	0.120	ng/ul	100
12) Fluorene	15.394	166	4073	0.131	ng/ul	98
14) Pentachlorophenol	16.760	266	1352m	0.266	ng/ul	
15) Phenanthrene	17.127	178	13658m	0.301	ng/ul	
16) Anthracene	17.216	178	2678m	0.063	ng/ul	
19) Fluoranthene	19.145	202	7155	0.147	ng/ul#	94
20) Pyrene	19.503	202	5662	0.108	ng/ul#	80
21) Benzo(a)anthracene	21.275	228	1829	0.043	ng/ul#	87
22) Chrysene	21.319	228	1976	0.034	ng/ul#	87
24) Benzo(b)fluoranthene	22.832	252	1882m	0.045	ng/ul	

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

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