

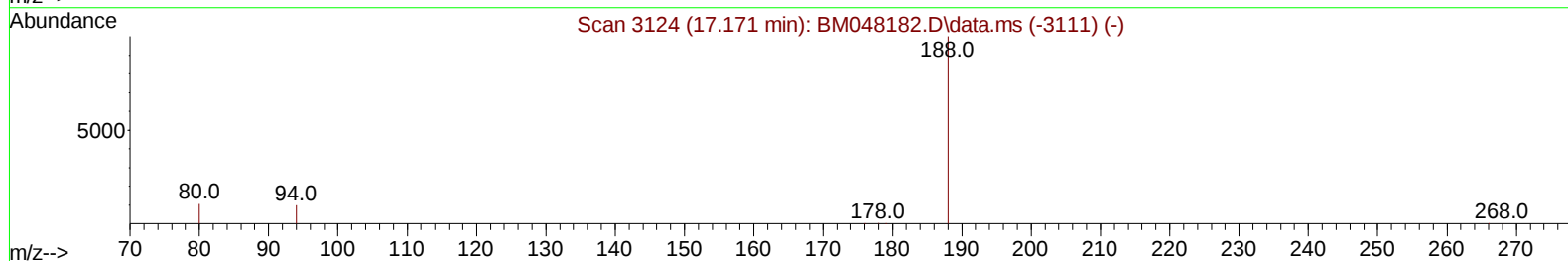
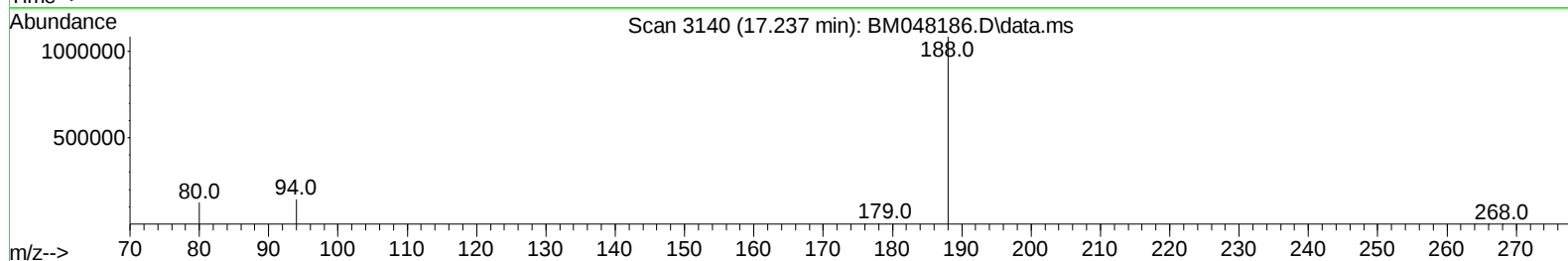
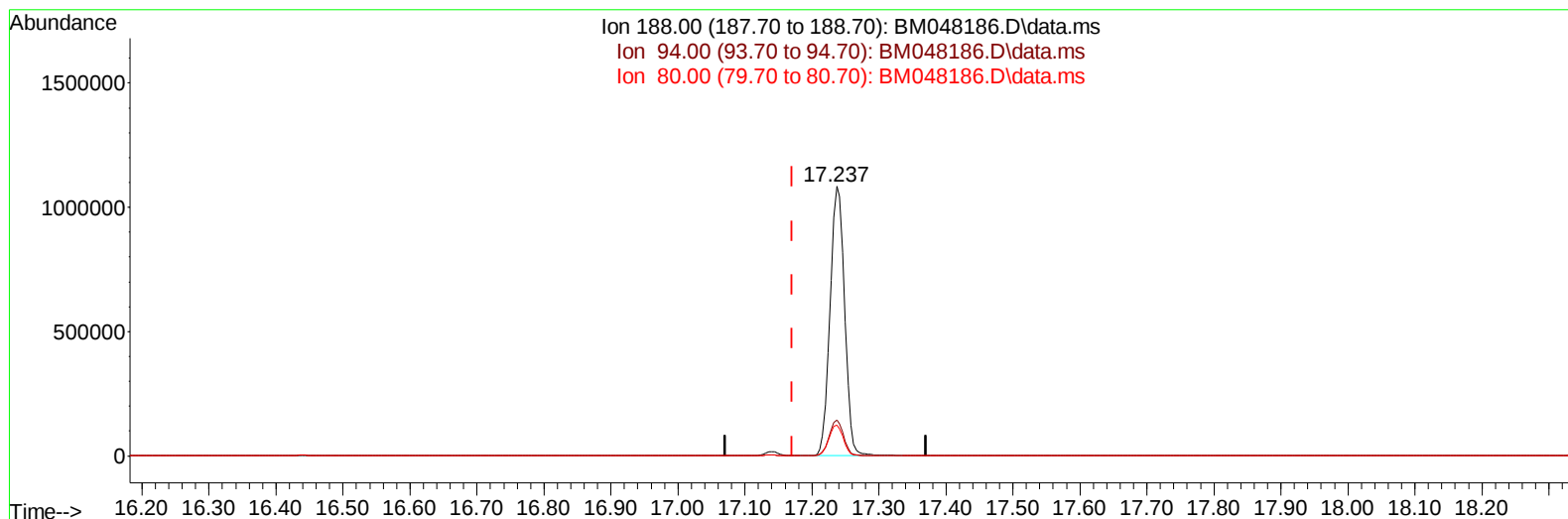
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(13) Phenanthrene-d10 (I)

17.237min (+ 0.066) 0.40 ng/u1

response 1627800

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	13.31
80.00	12.40	11.51
0.00	0.00	0.00

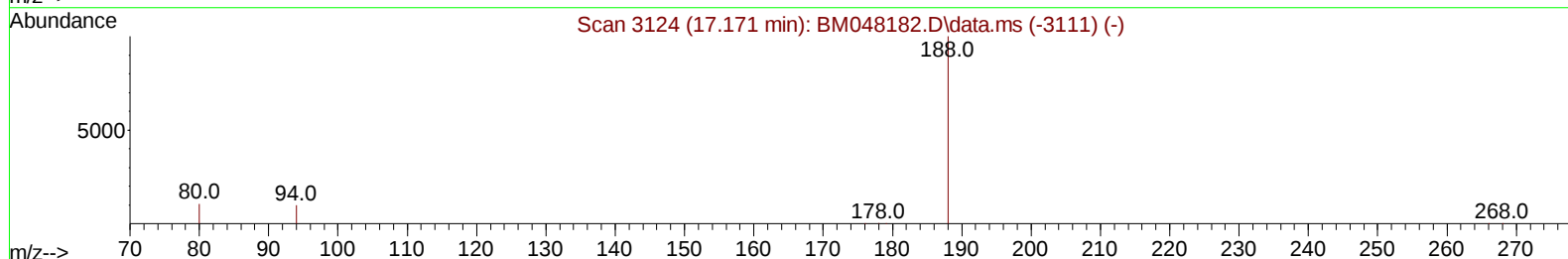
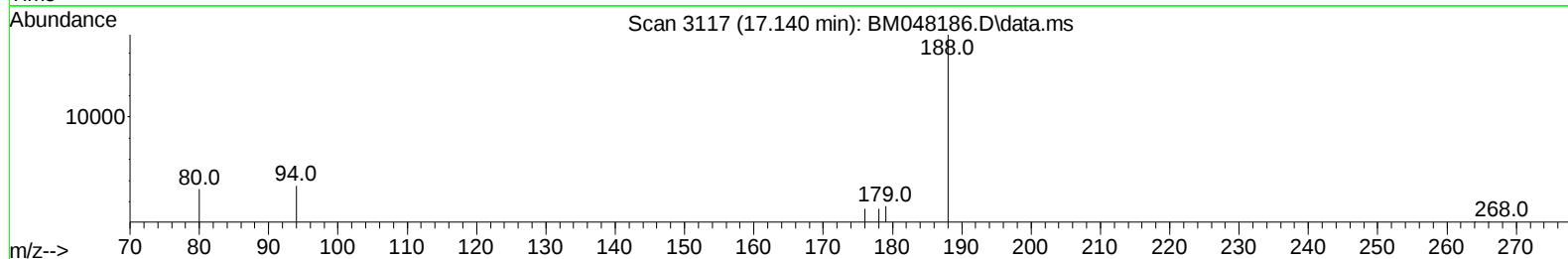
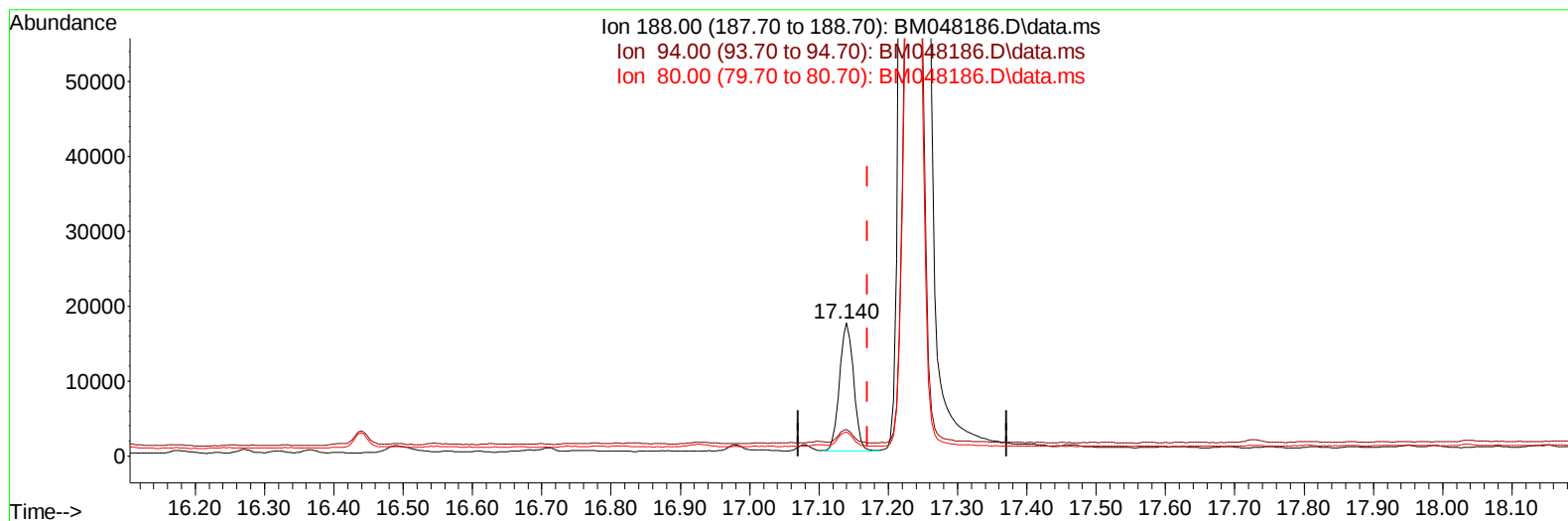
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(13) Phenanthrene-d10 (I)

17.140min (-0.031) 0.40 ng/ul m

response 24356

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.80	19.79#
80.00	12.40	17.92#
0.00	0.00	0.00

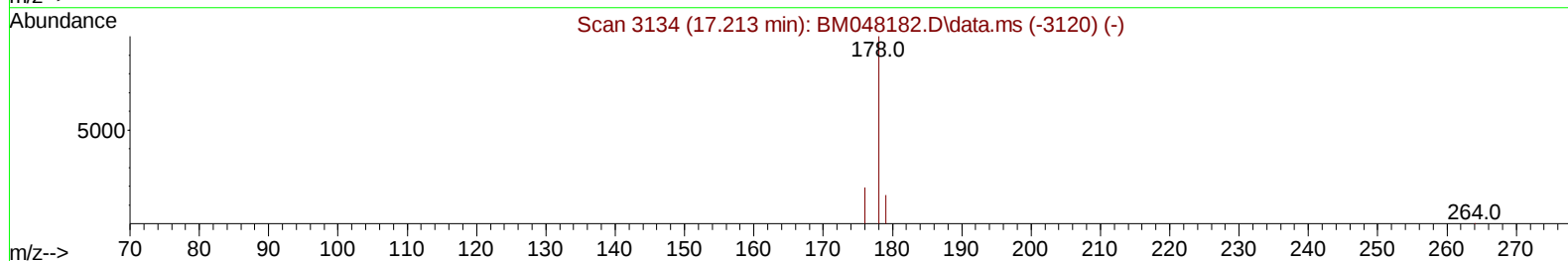
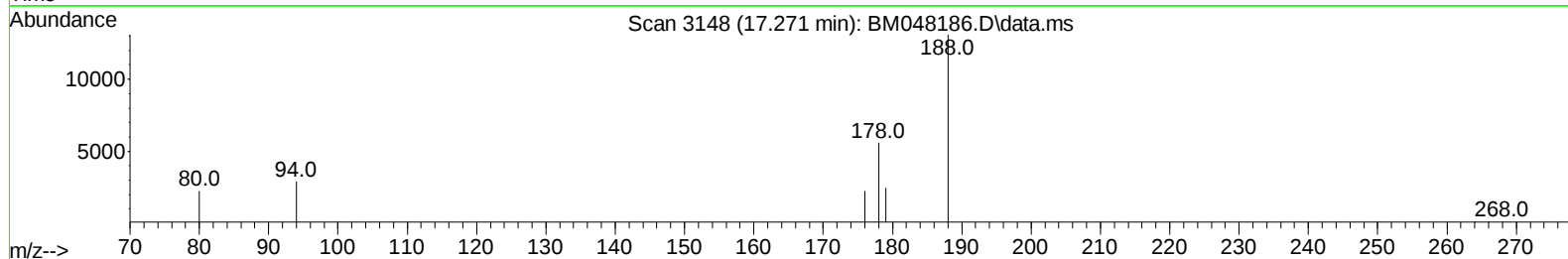
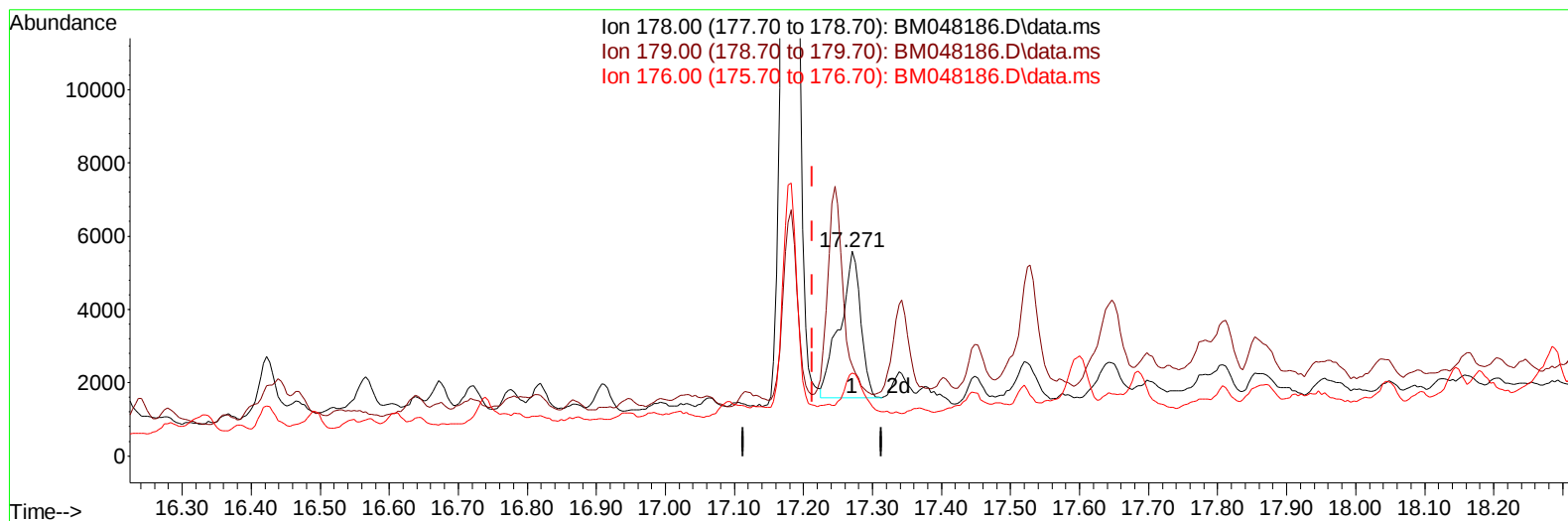
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(15) Phenanthrene

17.271min (+ 0.058) 0.14 ng/u1

response 8393

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	44.13#
176.00	20.00	40.49#
0.00	0.00	0.00

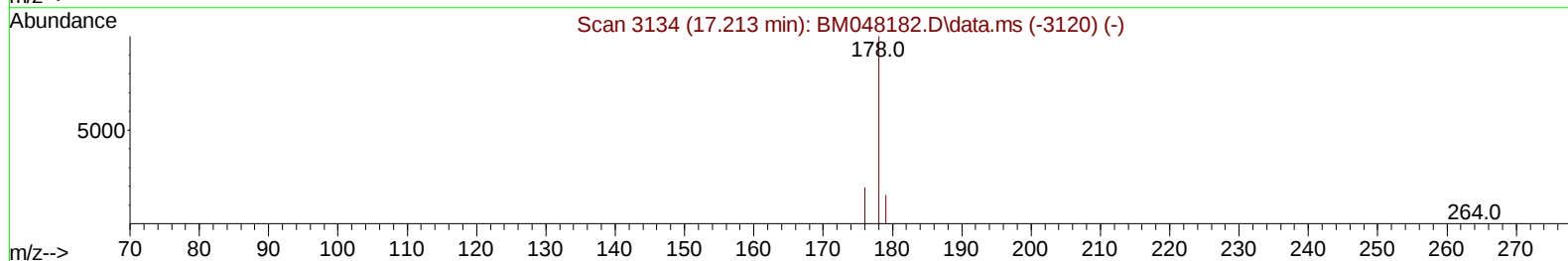
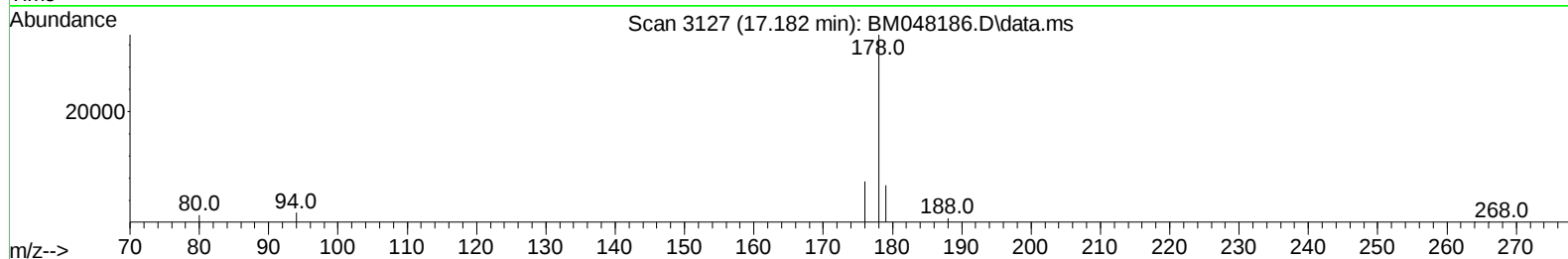
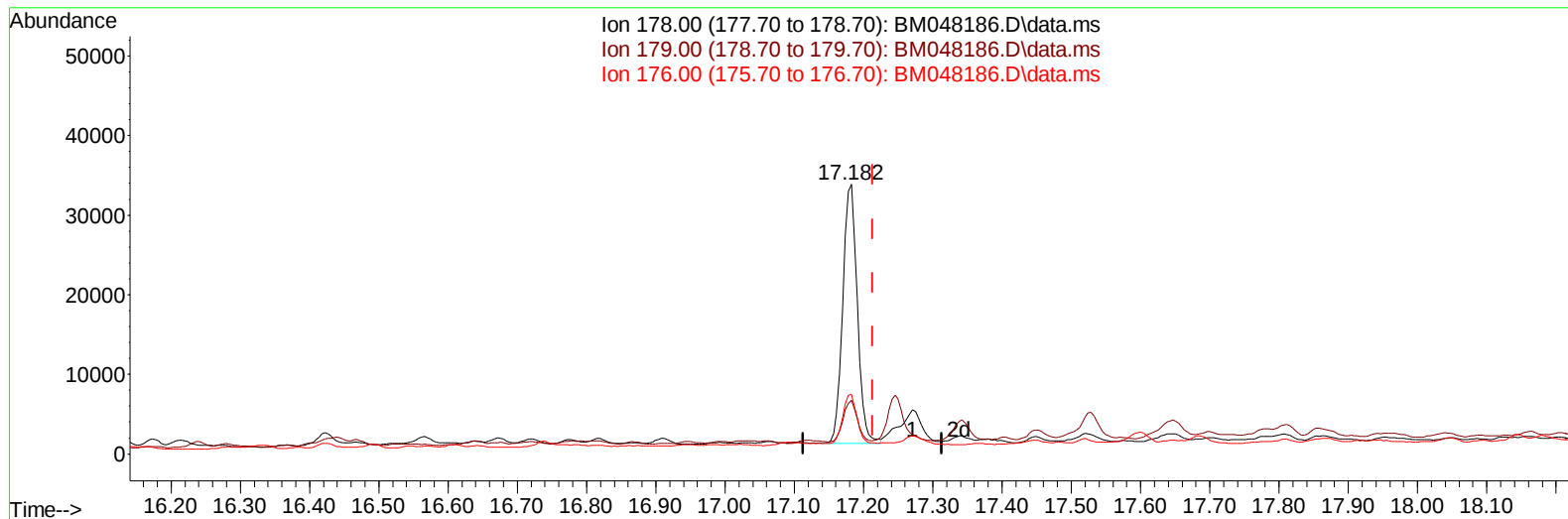
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(15) Phenanthrene

17.182min (-0.031) 0.77 ng/u1 m

response 47297

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.50	19.87#
176.00	20.00	21.98
0.00	0.00	0.00

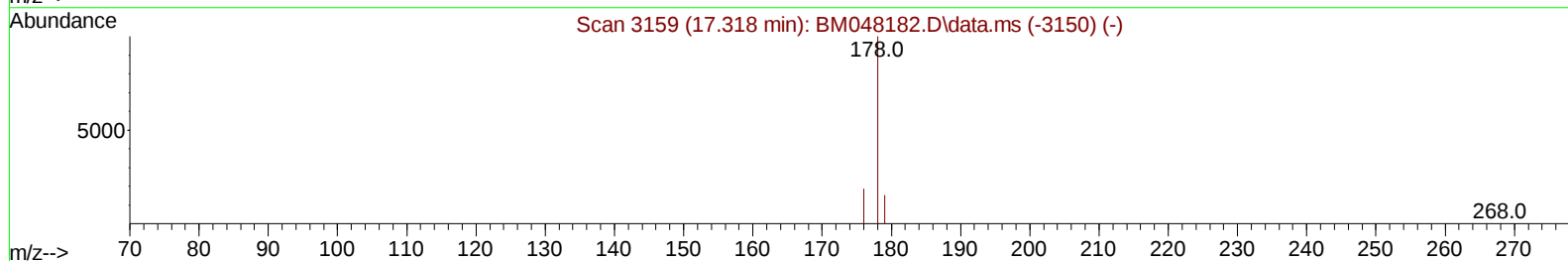
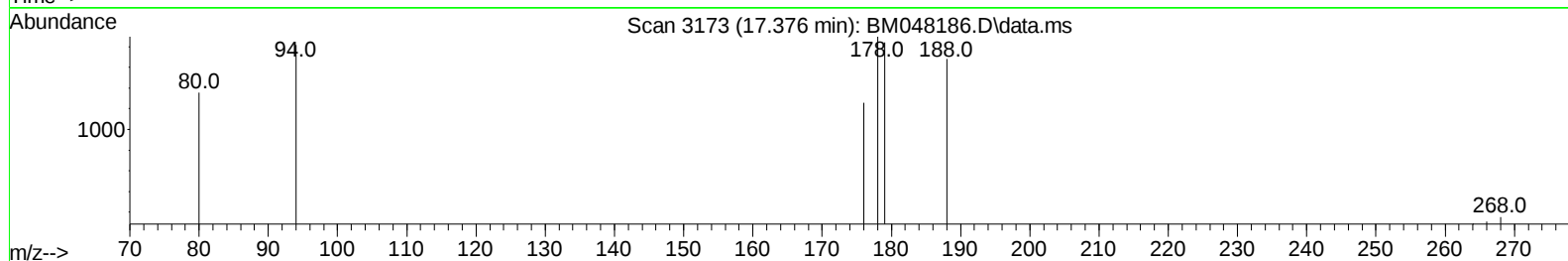
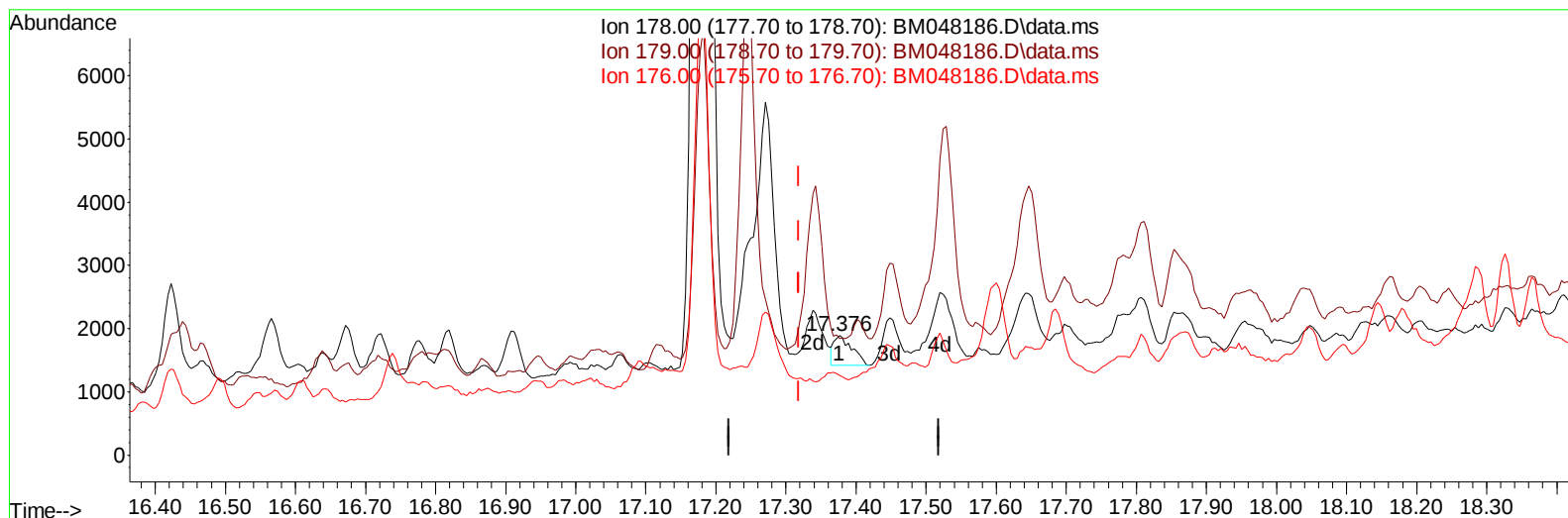
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(16) Anthracene

17.376min (+ 0.058) 0.01 ng/u1

response 848

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	97.10#
176.00	20.00	66.51#
0.00	0.00	0.00

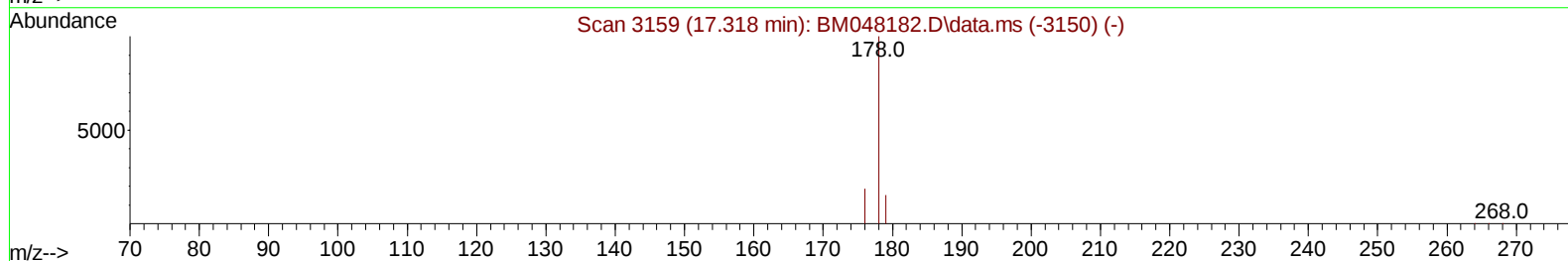
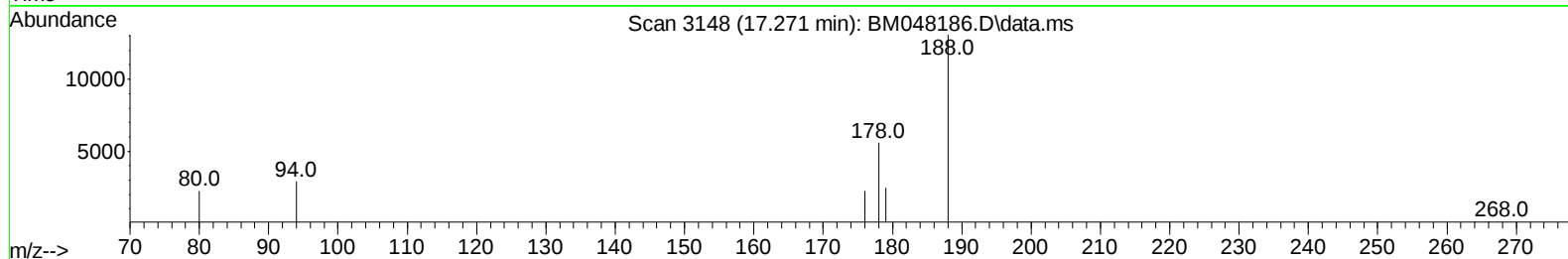
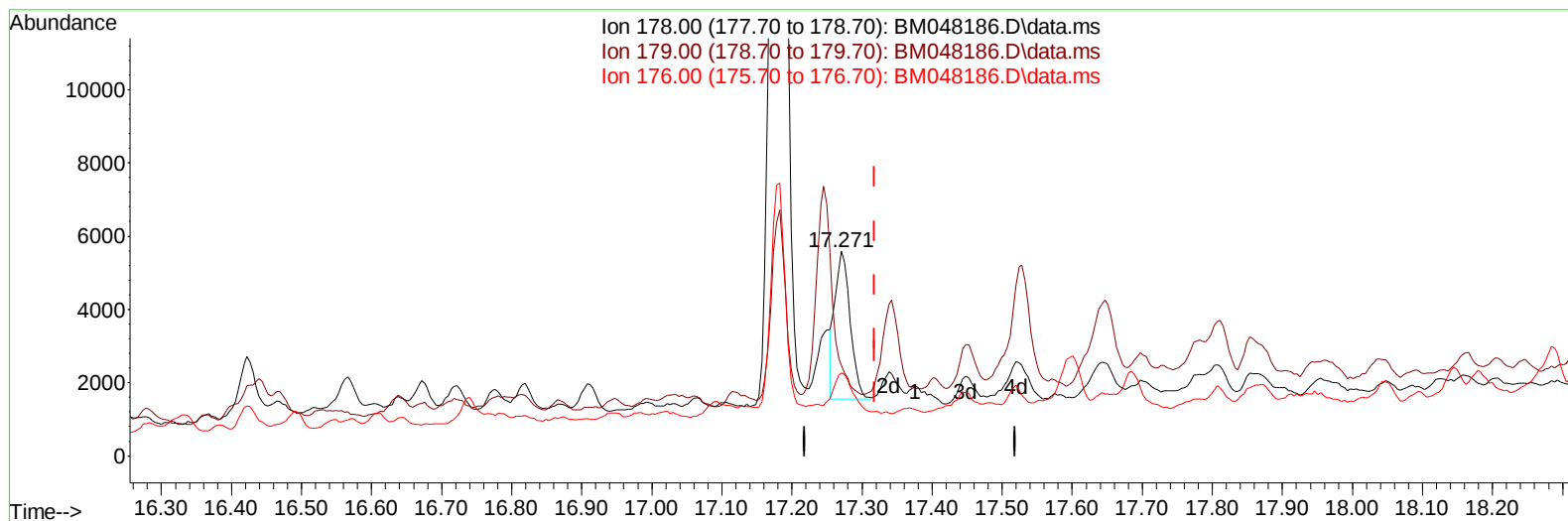
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(16) Anthracene

17.271min (-0.048) 0.11 ng/ul m

response 6143

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.10	44.13#
176.00	20.00	40.49#
0.00	0.00	0.00

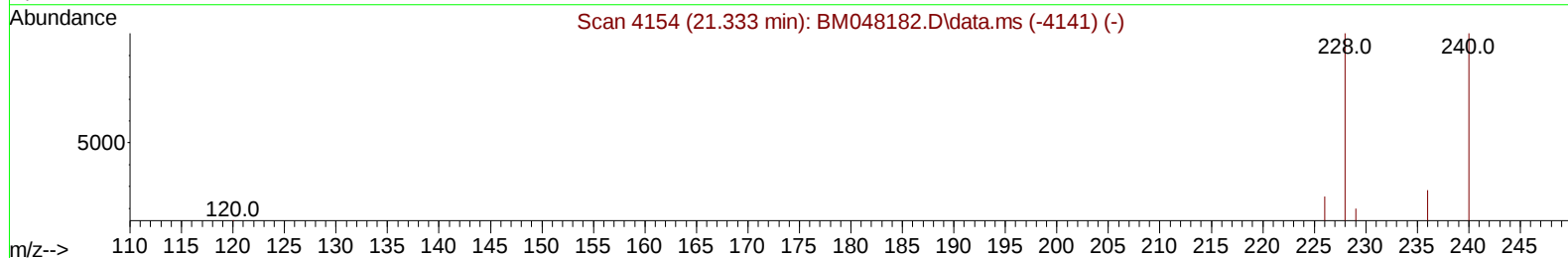
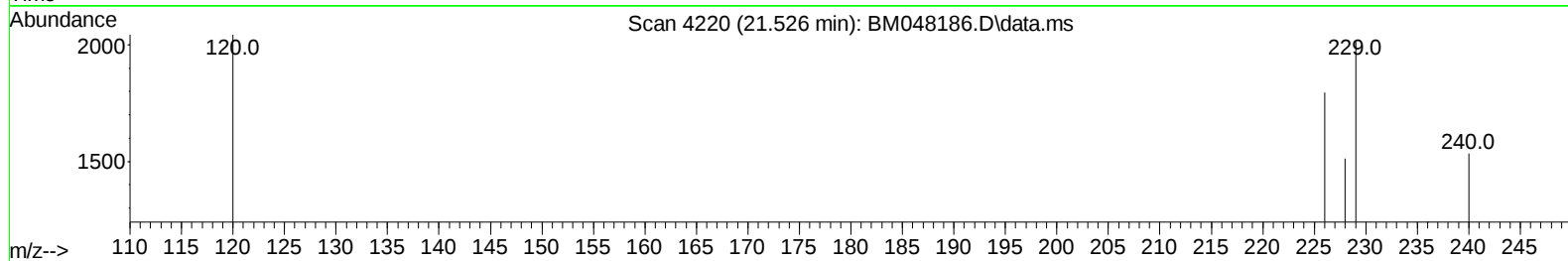
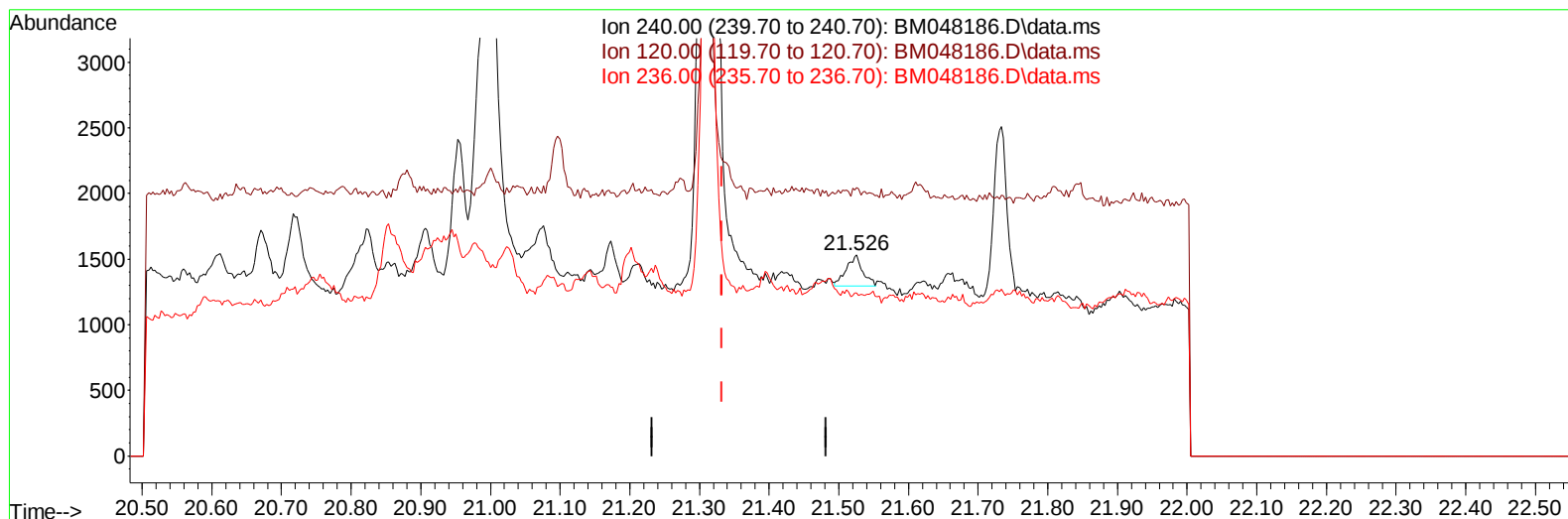
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(17) Chrysene-d12

21.526min (+ 0.193) 0.40 ng/u1

response 374

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	133.27#
236.00	30.60	80.89#
0.00	0.00	0.00

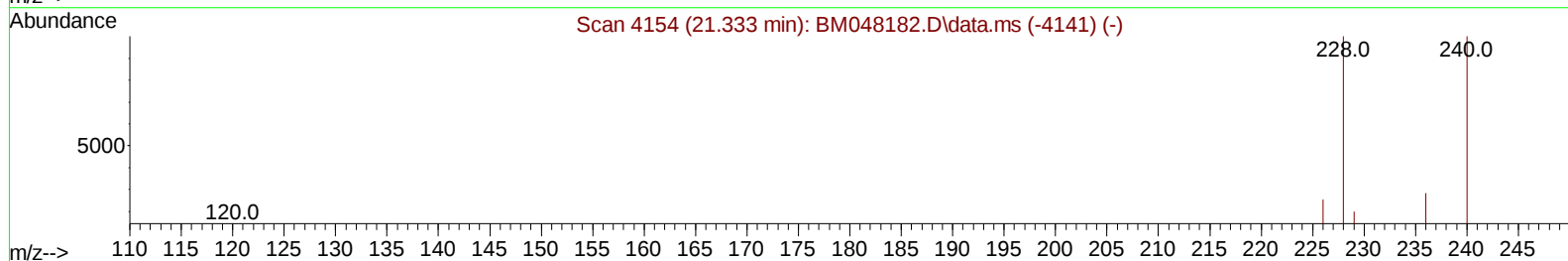
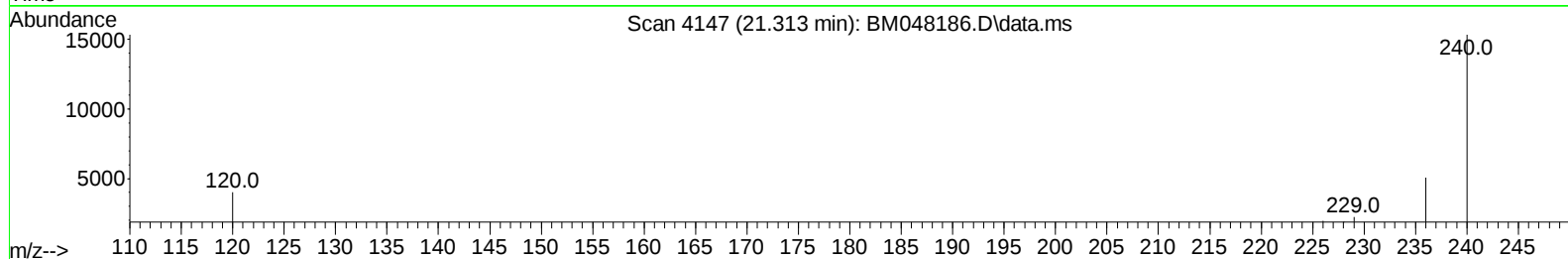
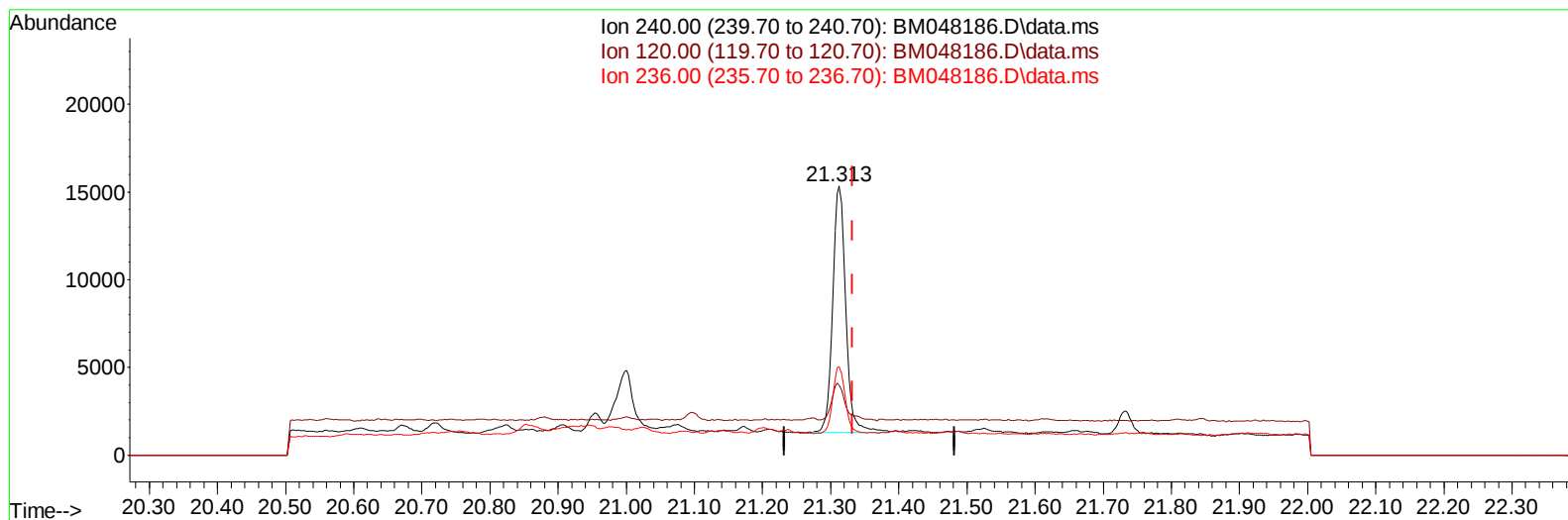
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(17) Chrysene-d12

21.313min (-0.020) 0.40 ng/ul m

response 18652

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	26.13
236.00	30.60	32.91
0.00	0.00	0.00

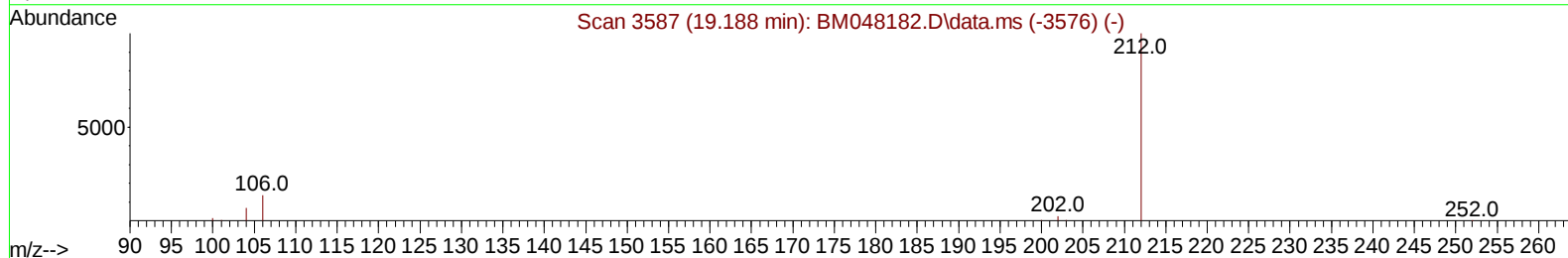
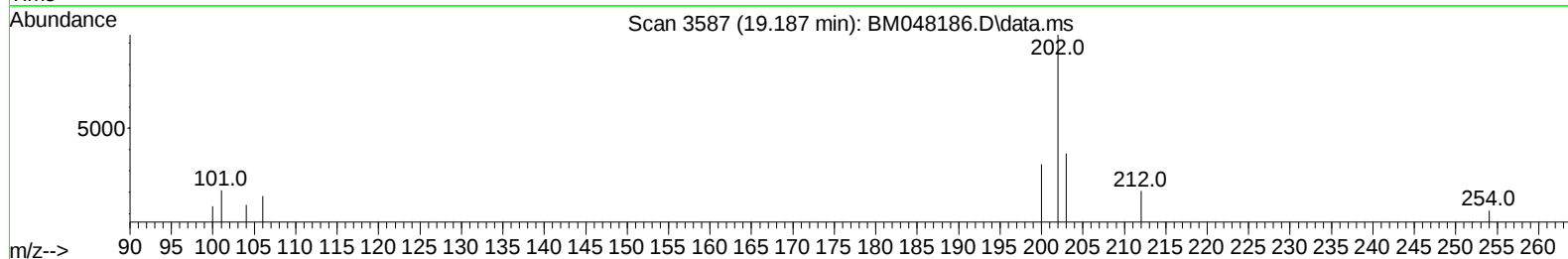
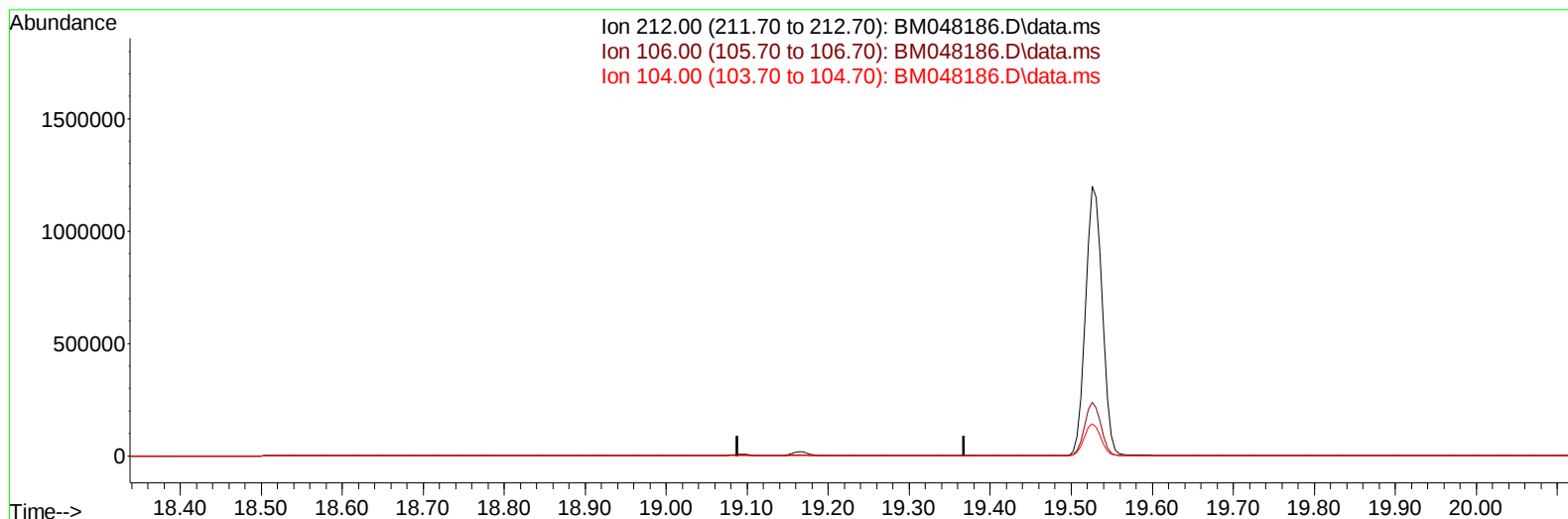
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM048186.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.188min (-19.188) 0.00 ng/u1

response 0

Ion	Exp%	Act%
212.00	100.00	0.00
106.00	15.00	0.00#
104.00	8.80	0.00#
0.00	0.00	0.00

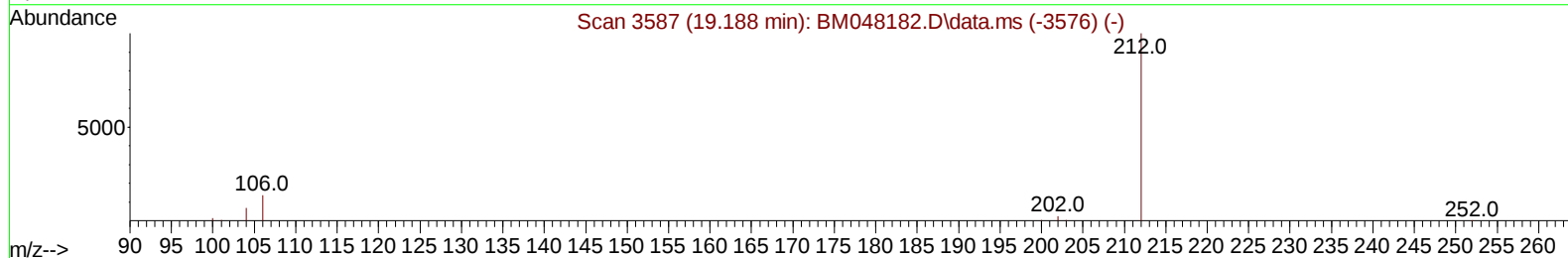
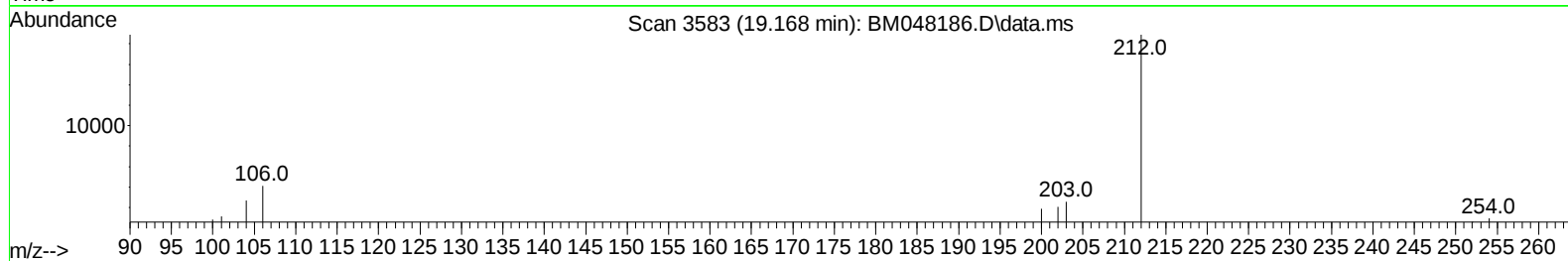
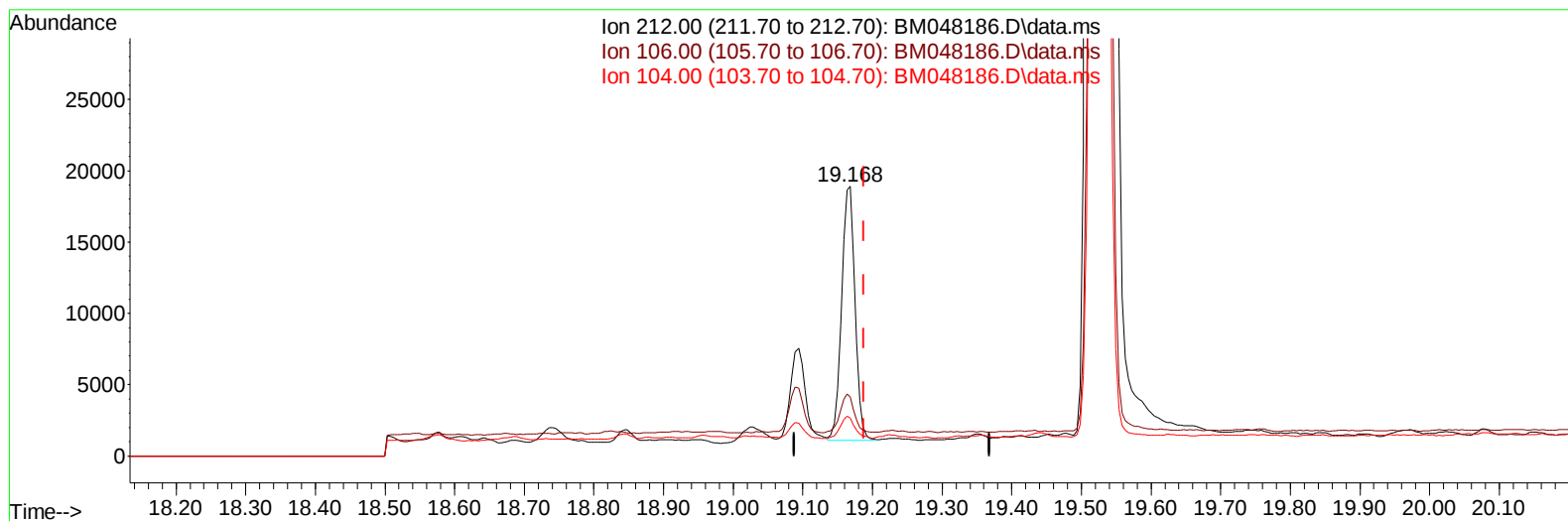
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.168min (-0.020) 0.44 ng/ul m

response 24131

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	15.00	0.00#
104.00	8.80	0.00#
0.00	0.00	0.00

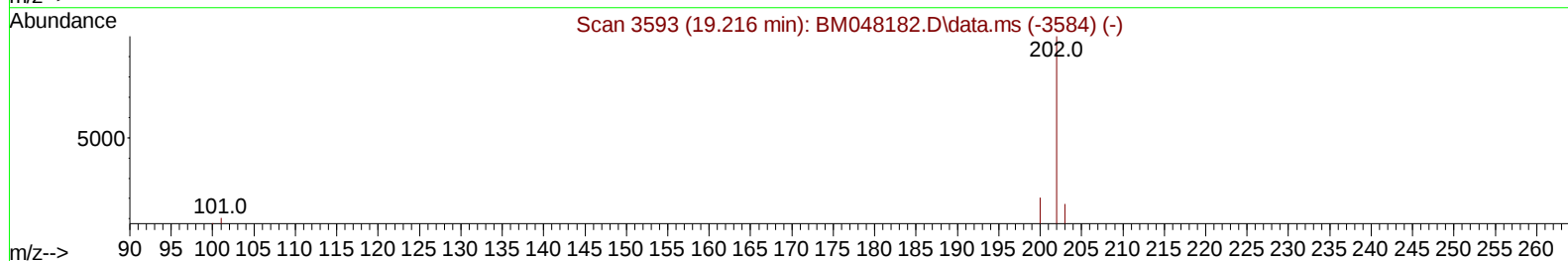
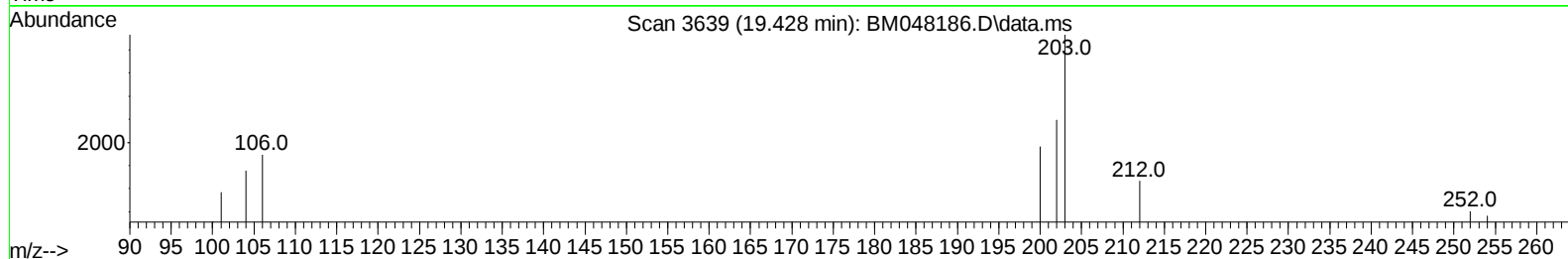
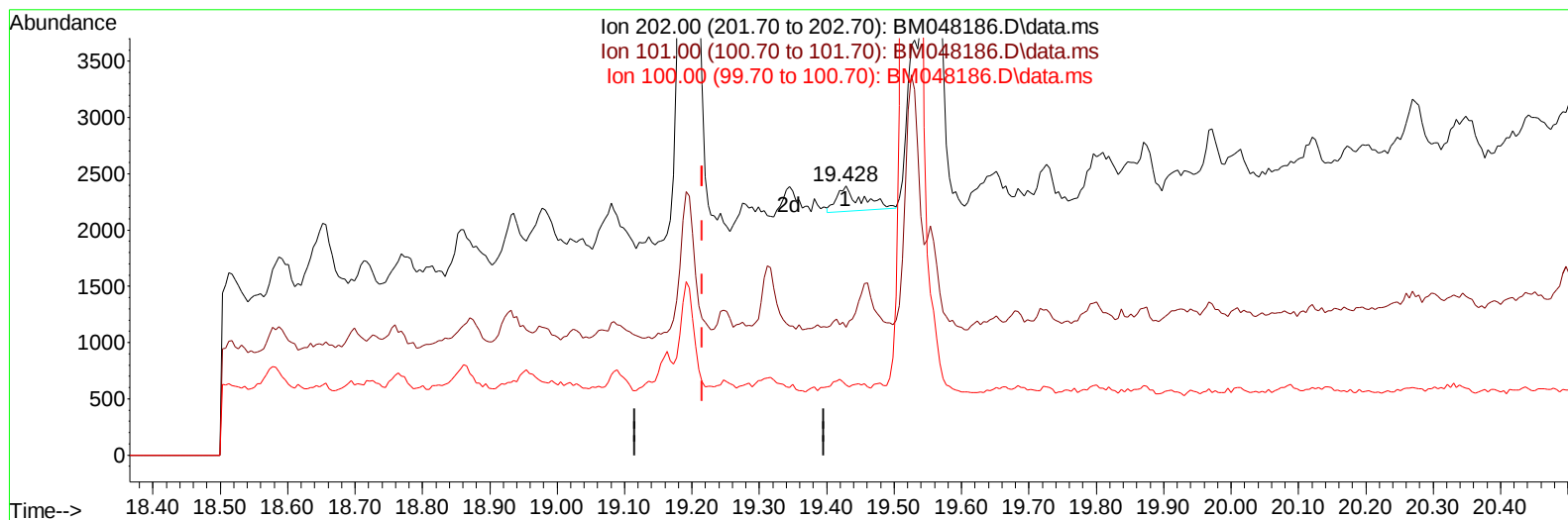
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
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QLast Update : Tue Oct 22 10:58:11 2024
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Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(19) Fluoranthene (C)

19.428min (+ 0.213) 0.01 ng/u1

response 574

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.60	47.49#
100.00	8.90	26.11#
0.00	0.00	0.00

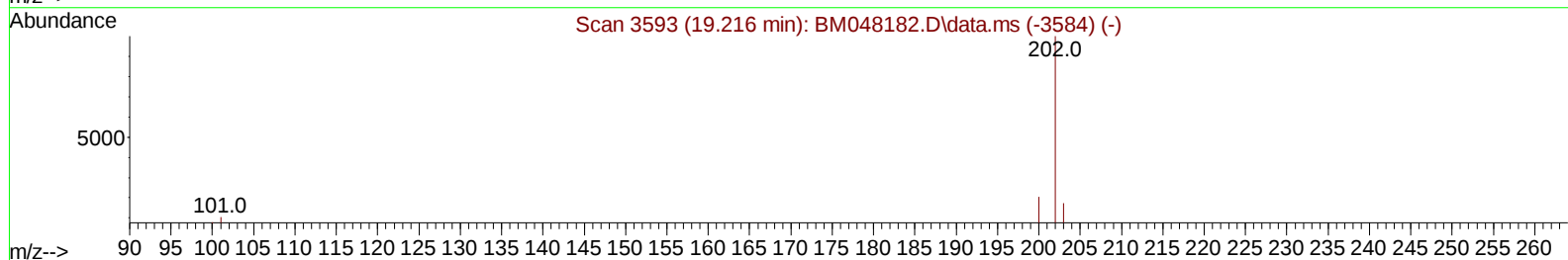
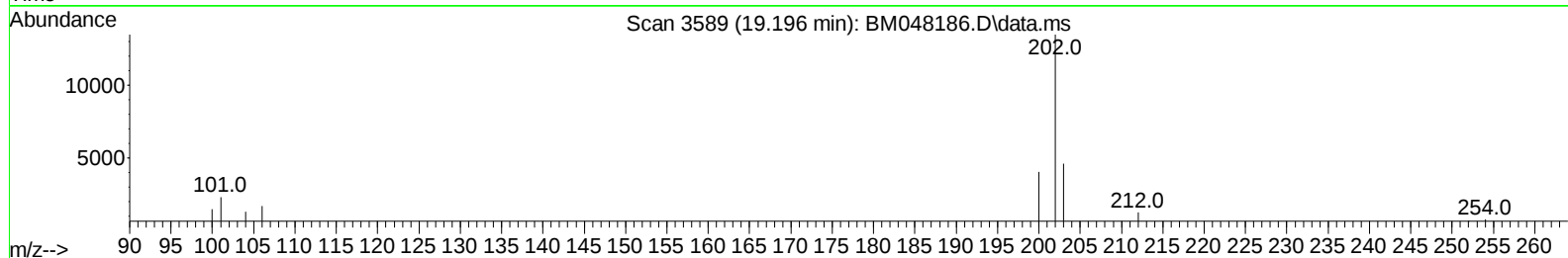
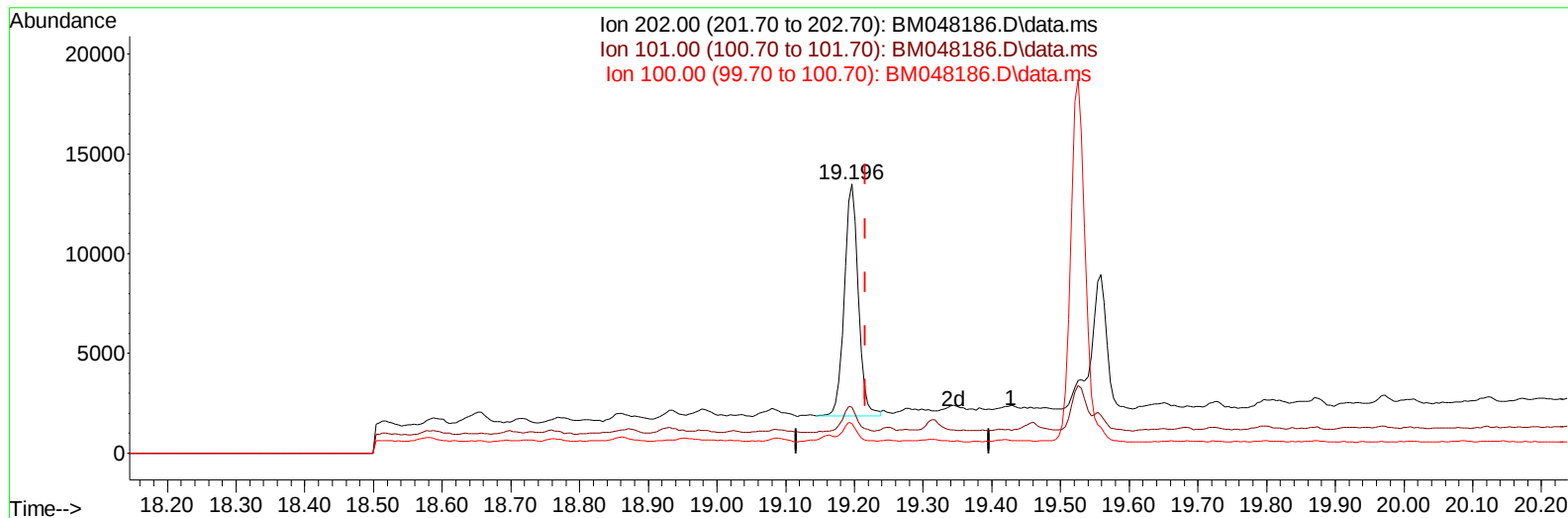
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(19) Fluoranthene (C)

19.196min (-0.020) 0.22 ng/ul m

response 16384

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.60	17.07#
100.00	8.90	11.03#
0.00	0.00	0.00

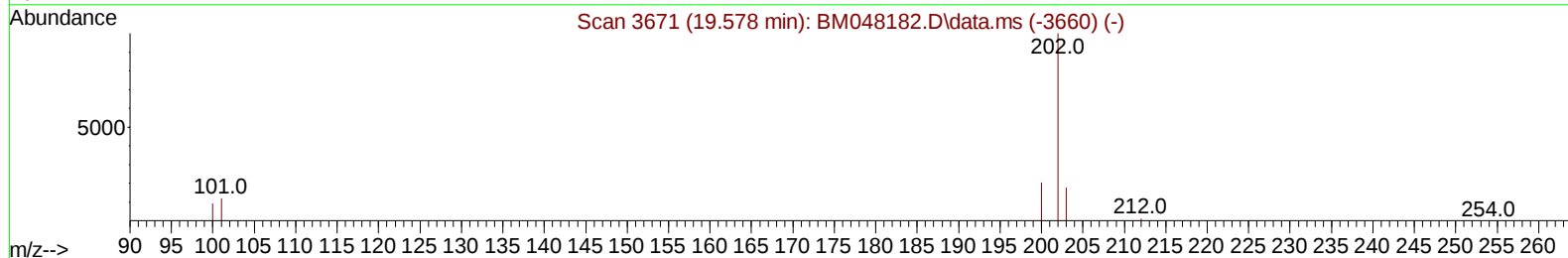
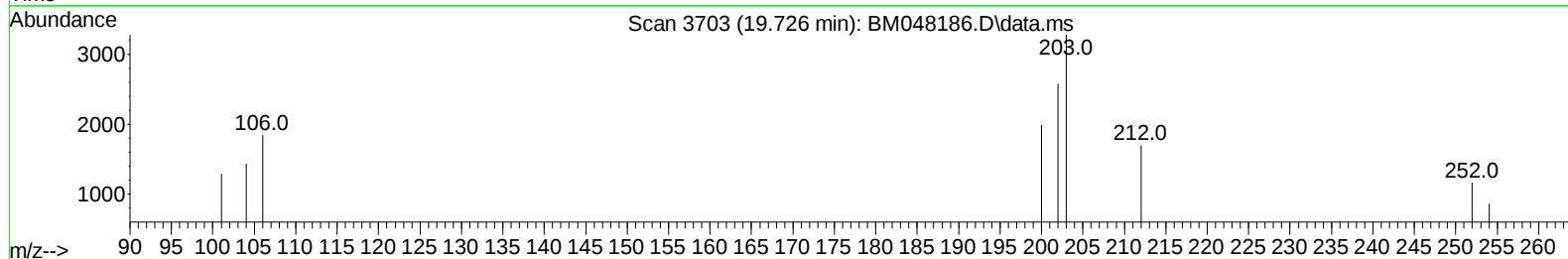
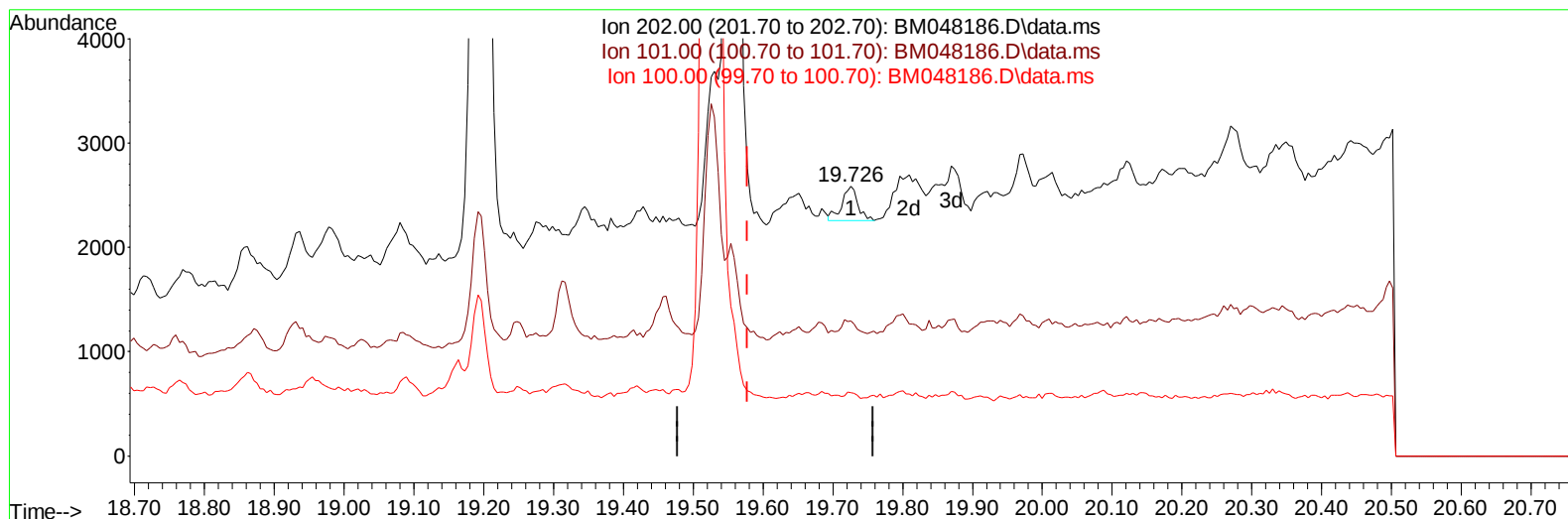
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
 Data File : BM048186.D
 Acq On : 22 Oct 2024 11:07
 Operator : RC/JU
 Sample : P4380-23
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 22 10:58:11 2024
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Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(20) Pyrene

19.726min (+ 0.147) 0.01 ng/u1

response 518

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	50.17#
100.00	10.10	23.38#
0.00	0.00	0.00

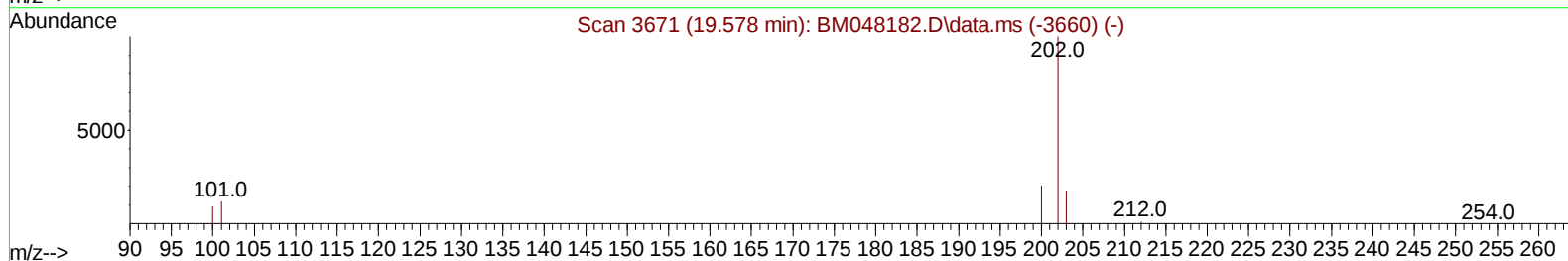
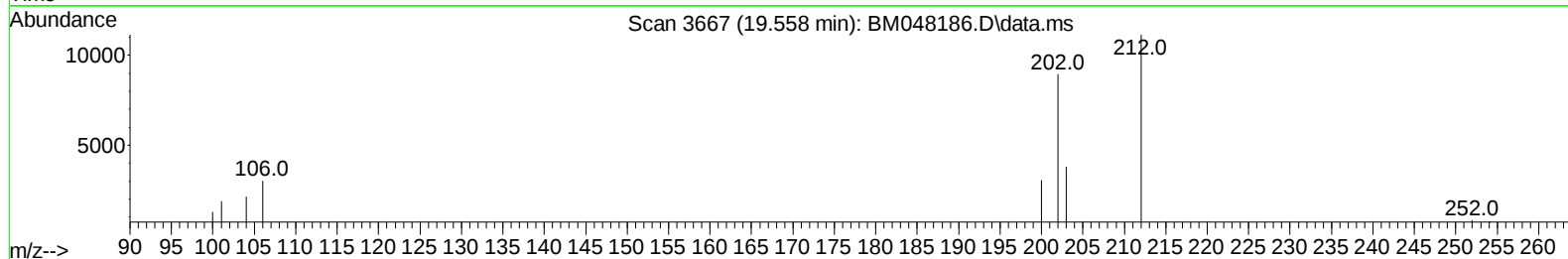
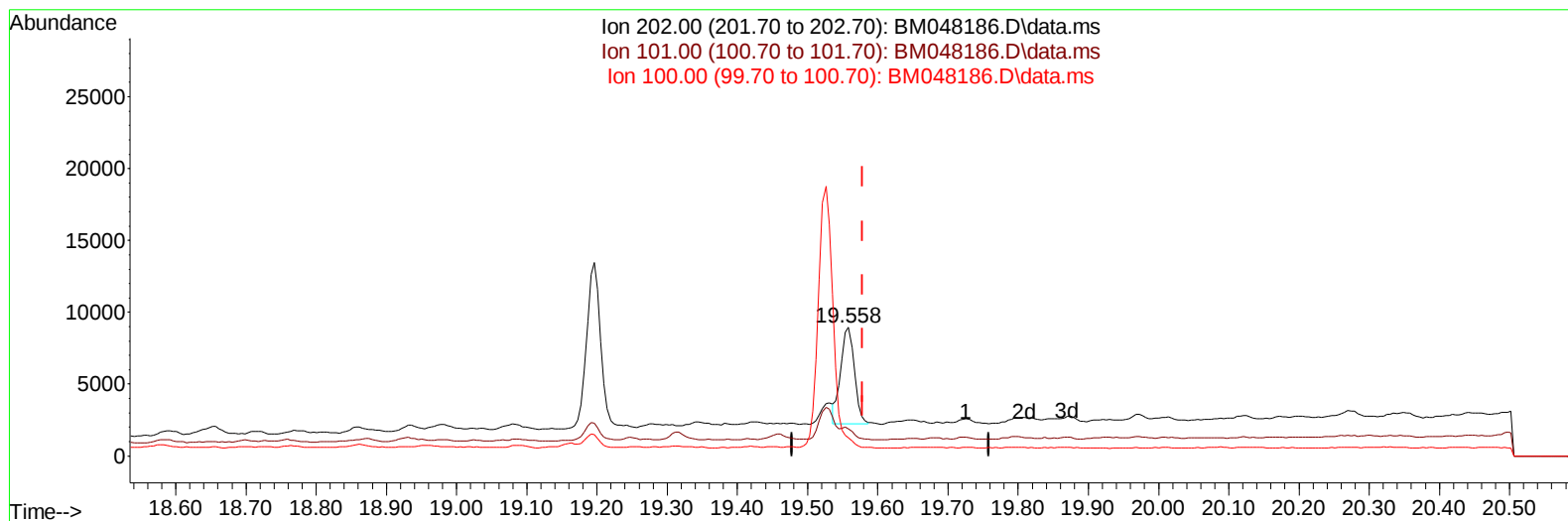
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

Quant Time: Oct 22 12:09:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 10:58:11 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :mohammad ahmed 10/23/2024



TIC: BM048186.D\data.ms

(20) Pyrene

19.558min (-0.020) 0.12 ng/ul m

response 9070

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	21.25#
100.00	10.10	14.28#
0.00	0.00	0.00

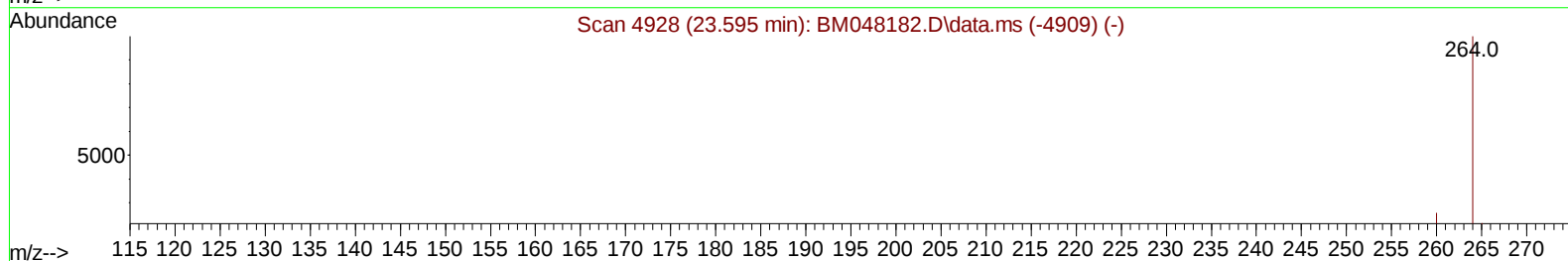
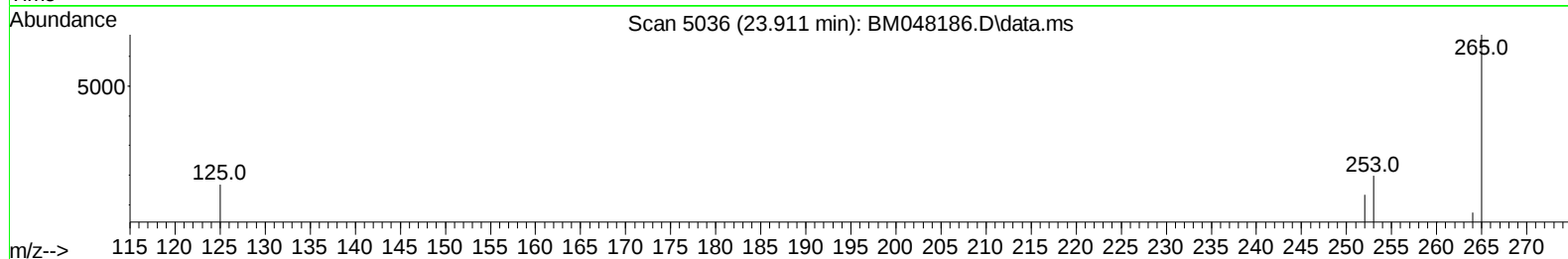
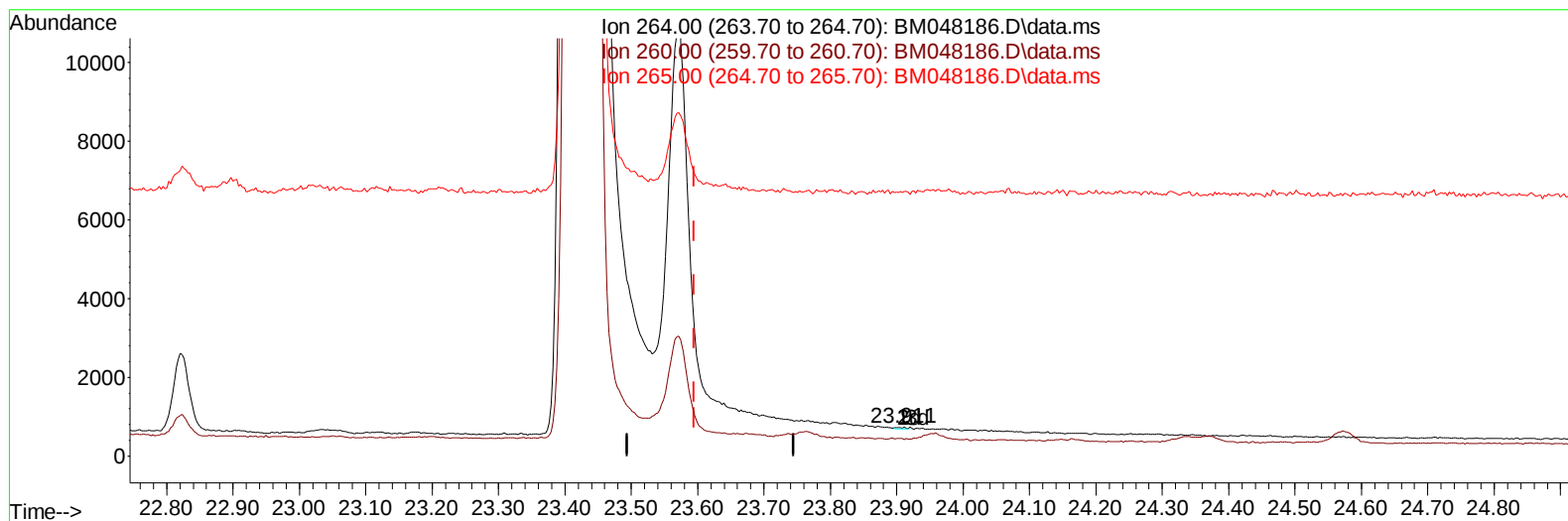
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
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TIC: BM048186.D\data.ms

(23) Perylene-d12 (I)

23.911min (+ 0.316) 0.40 ng/u1

response 33

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	57.18#
265.00	128.10	920.11#
0.00	0.00	0.00

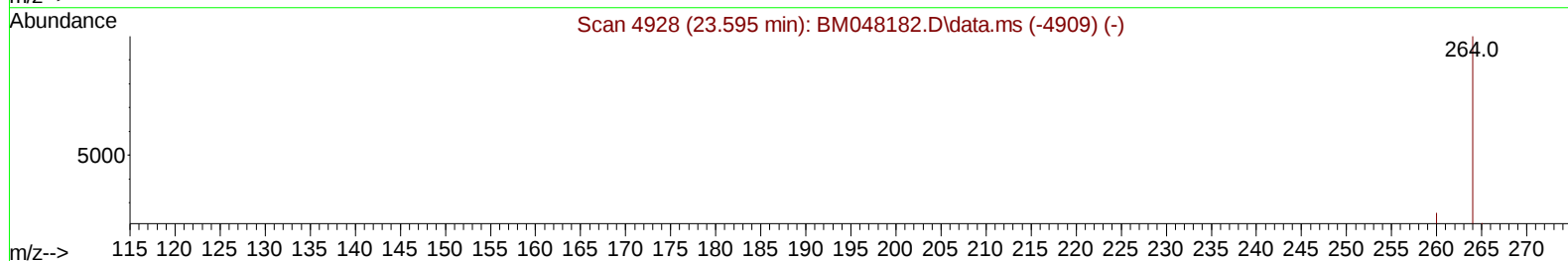
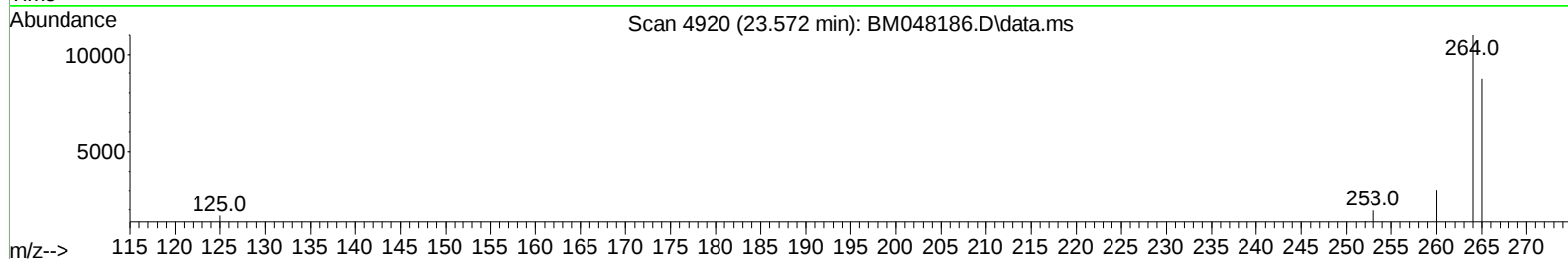
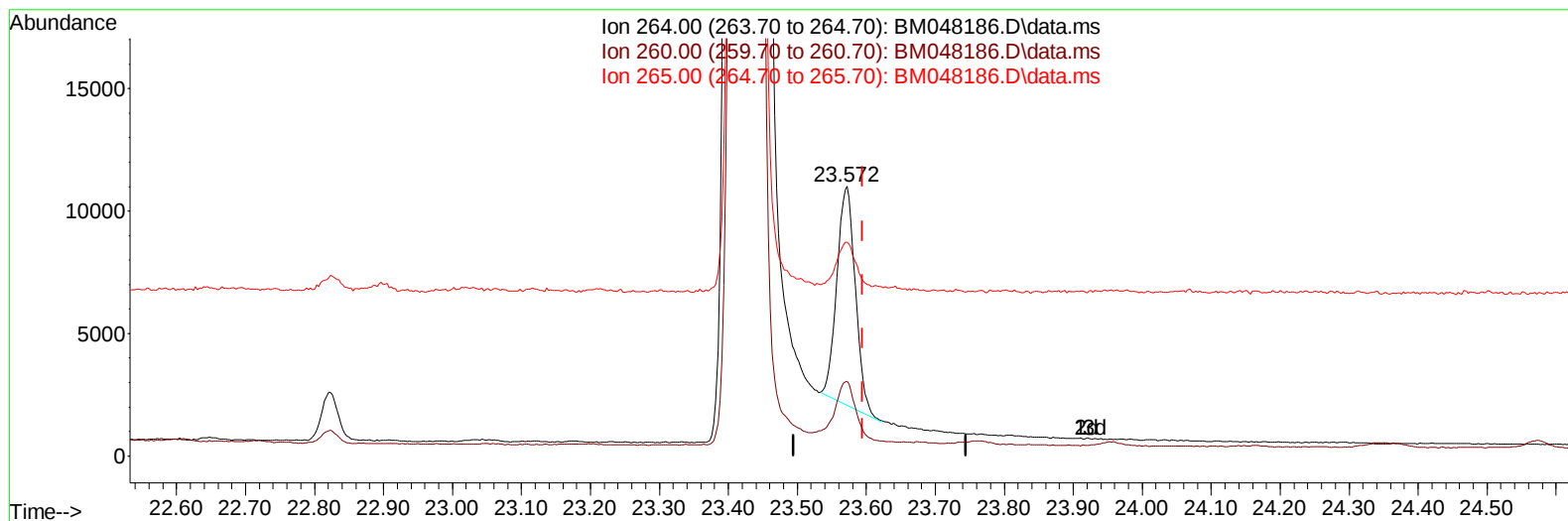
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048186.D
Acq On : 22 Oct 2024 11:07
Operator : RC/JU
Sample : P4380-23
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E27G8

Manual IntegrationsAPPROVED

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TIC: BM048186.D\data.ms

(23) Perylene-d12 (I)

23.572min (-0.023) 0.40 ng/ul m

response 16572

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	27.72
265.00	128.10	79.33#
0.00	0.00	0.00

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 Data File : BM048186.D
 Acq On : 22 Oct 2024 11:07
 Operator : RC/JU
 Sample : P4380-23
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E27G8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.767	152		6708	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.550	136		21098	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.399	164		16732	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.140	188		24356m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.313	240		18652m	0.400	ng/ul	-0.02
23) Perylene-d12	23.572	264		16572m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.235	96		38330	4.204	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.145	152		11703	0.398	ng/ul	-0.05
18) Fluoranthene-d10	19.168	212		24131m	0.445	ng/ul	-0.02
Target Compounds				Qvalue			
5) Naphthalene	10.600	128		119761	2.089	ng/ul	96
7) 2-Methylnaphthalene	12.222	142		13597	0.414	ng/ul	99
8) 1-Methylnaphthalene	12.436	142		13942	0.369	ng/ul	93
10) Acenaphthylene	14.117	152		4070	0.053	ng/ul#	70
11) Acenaphthene	14.459	153		19823	0.359	ng/ul	98
12) Fluorene	15.449	166		7697	0.130	ng/ul#	95
15) Phenanthrene	17.182	178		47297m	0.768	ng/ul	
16) Anthracene	17.271	178		6143m	0.105	ng/ul	
19) Fluoranthene	19.196	202		16384m	0.224	ng/ul	
20) Pyrene	19.558	202		9070m	0.115	ng/ul	

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

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