

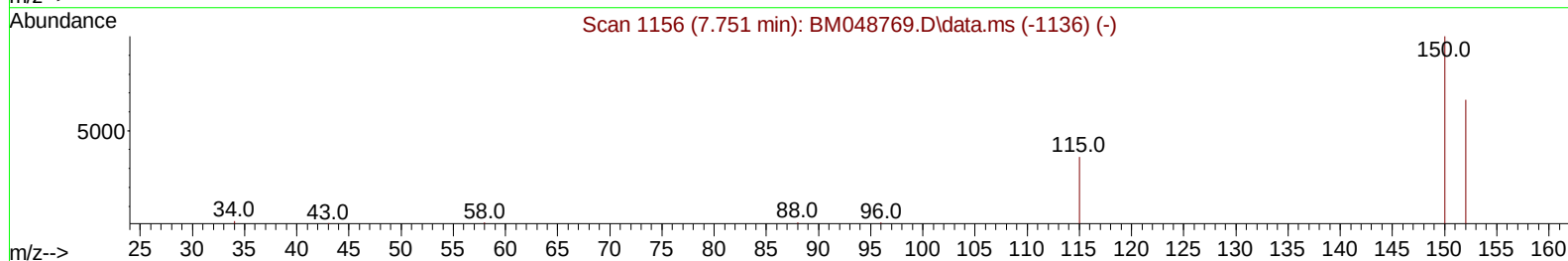
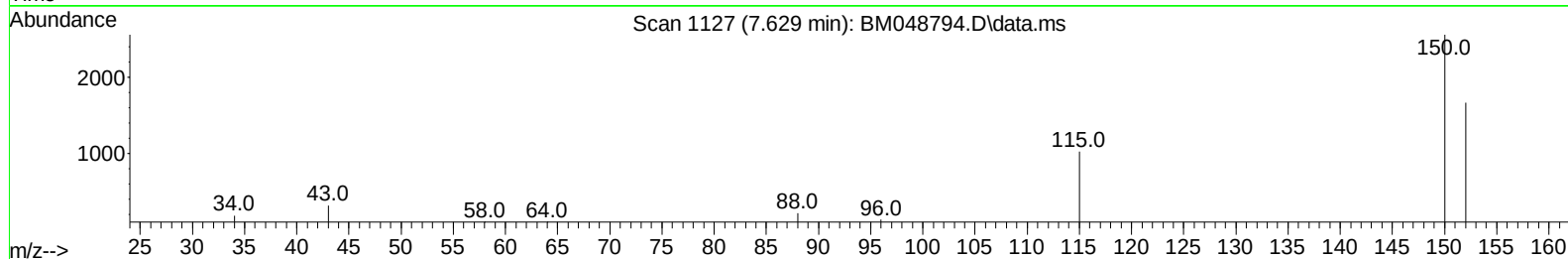
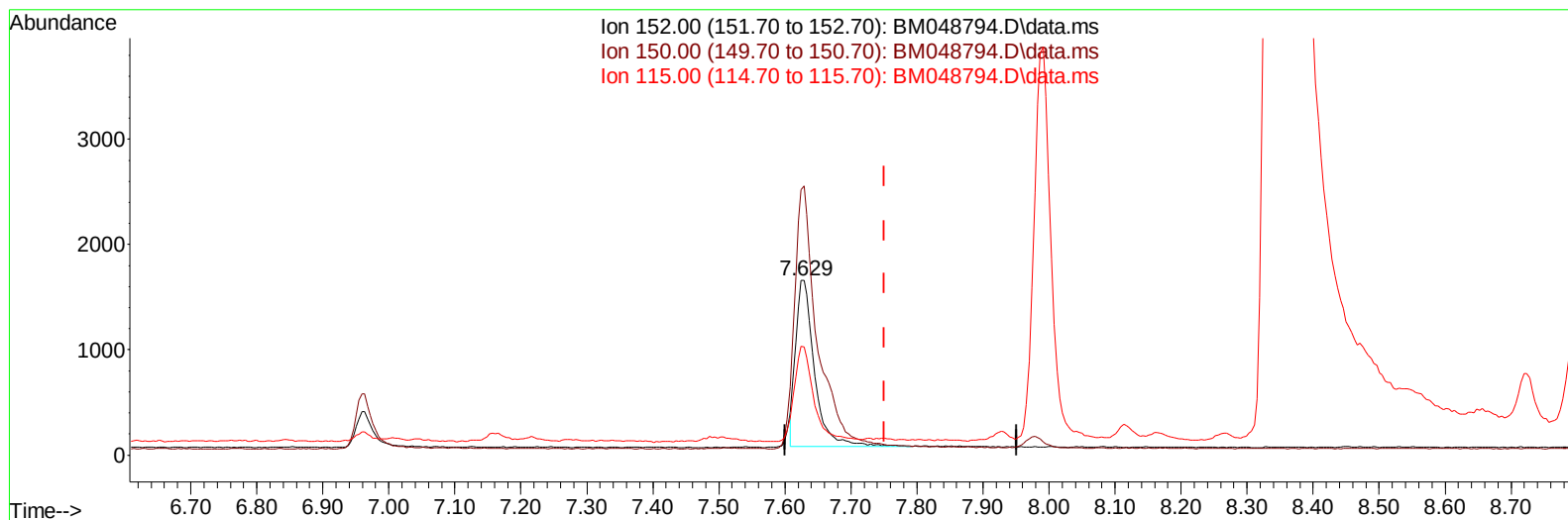
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 18 23:00:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/19/2024
Supervised By :mohammad ahmed 11/20/2024



TIC: BM048794.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.629min (-0.122) 0.40 ng/ul

response 3118

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	151.00	153.73
115.00	65.50	61.73
0.00	0.00	0.00

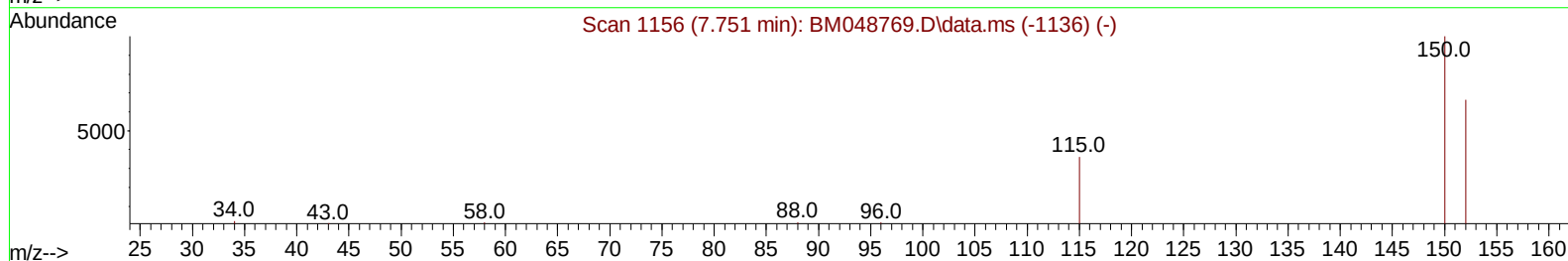
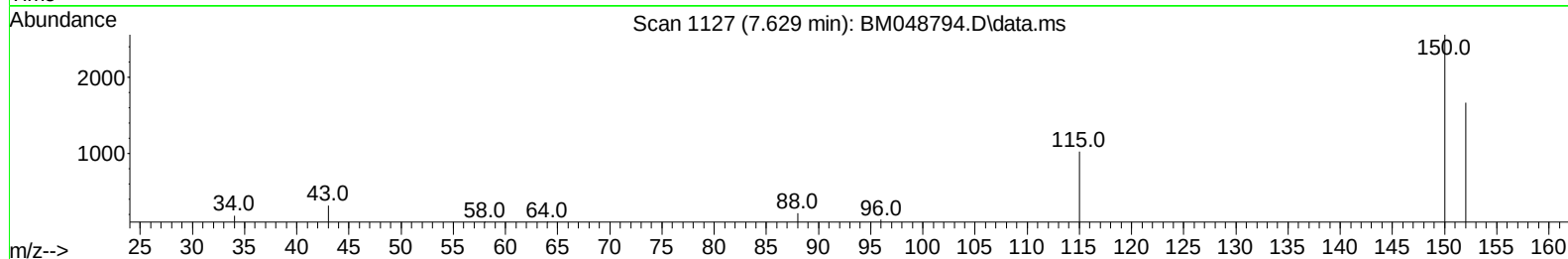
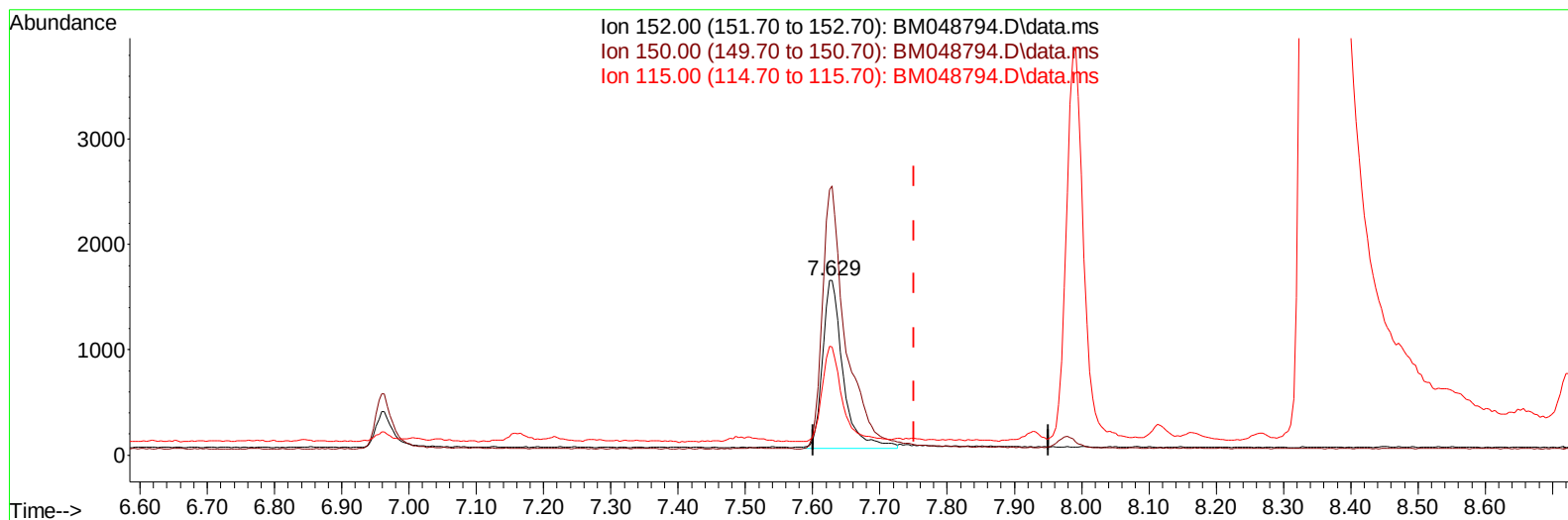
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
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Operator : RC/JU
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Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 11/19/2024
Supervised By :mohammad ahmed 11/20/2024



TIC: BM048794.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.629min (-0.122) 0.40 ng/ul m

response 3380

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	151.00	153.73
115.00	65.50	61.73
0.00	0.00	0.00

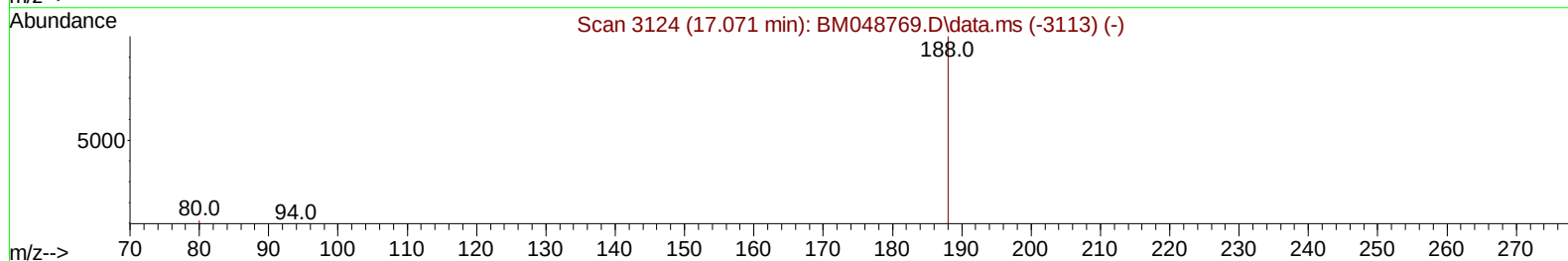
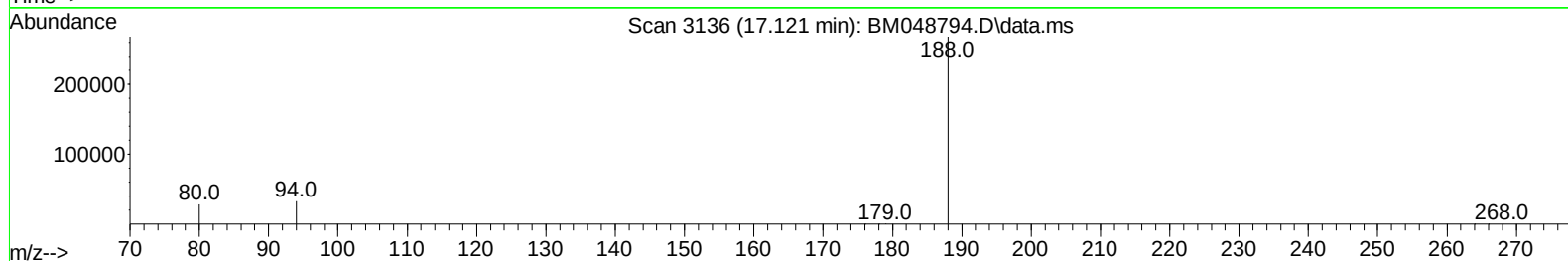
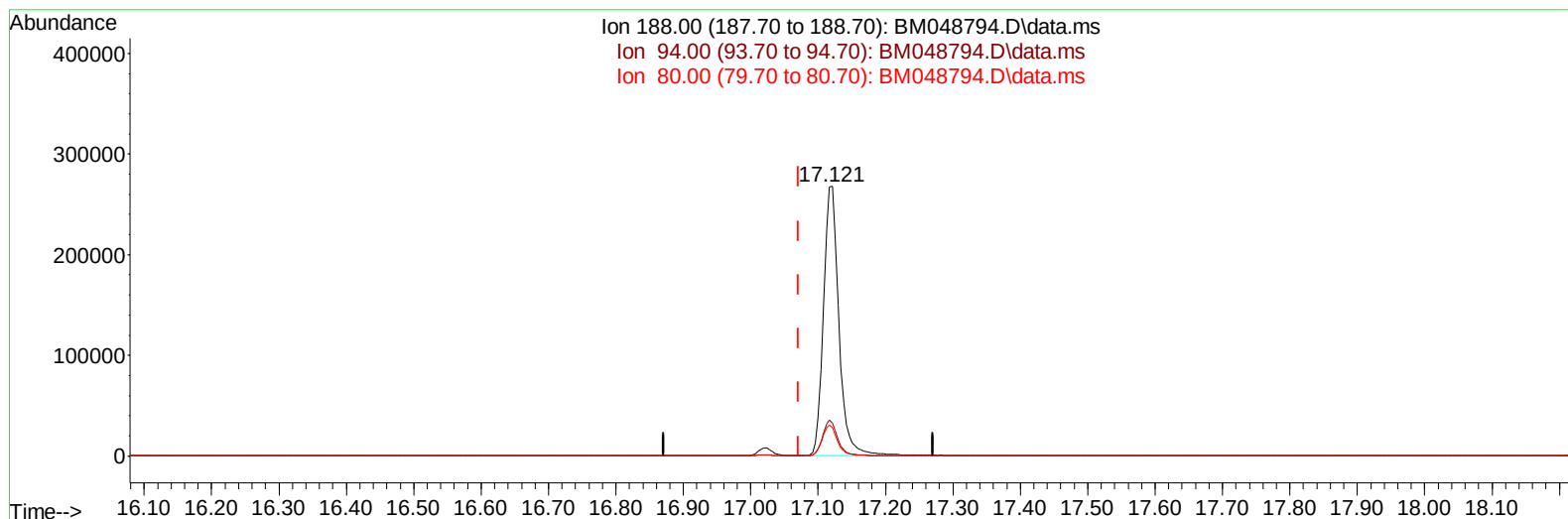
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
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TIC: BM048794.D\data.ms

(13) Phenanthrene-d10 (I)

17.121min (+ 0.050) 0.40 ng/u1

response 424311

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.00	12.20
80.00	12.60	10.41
0.00	0.00	0.00

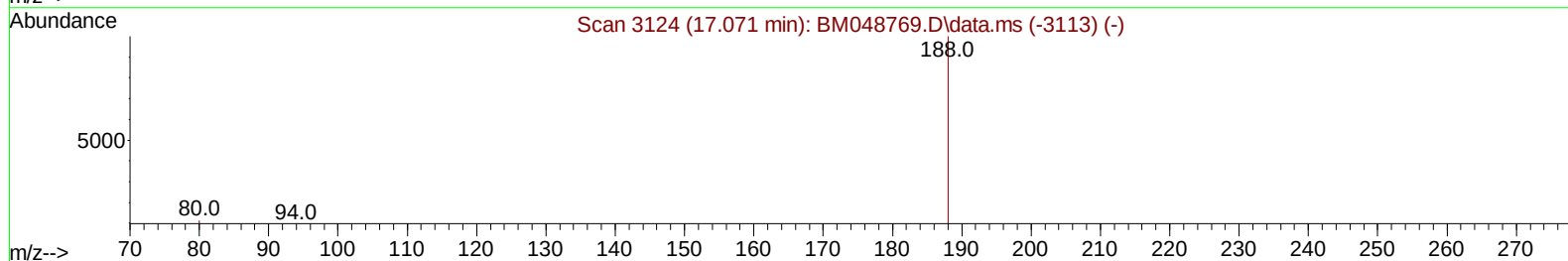
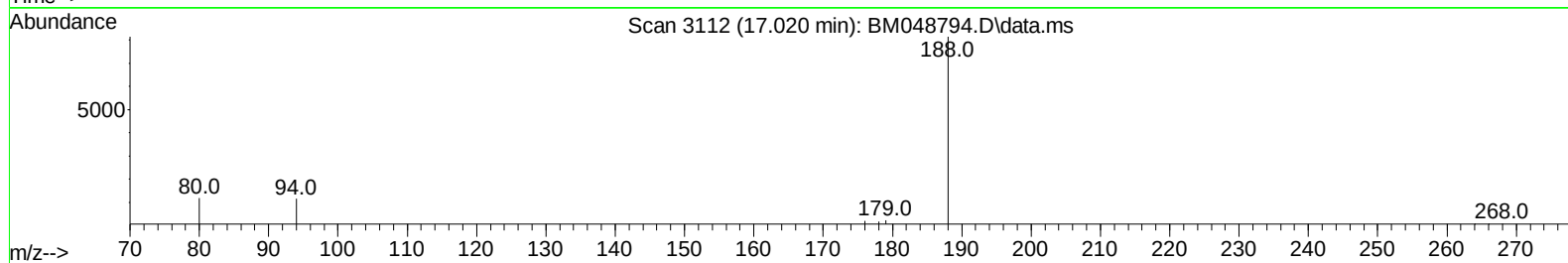
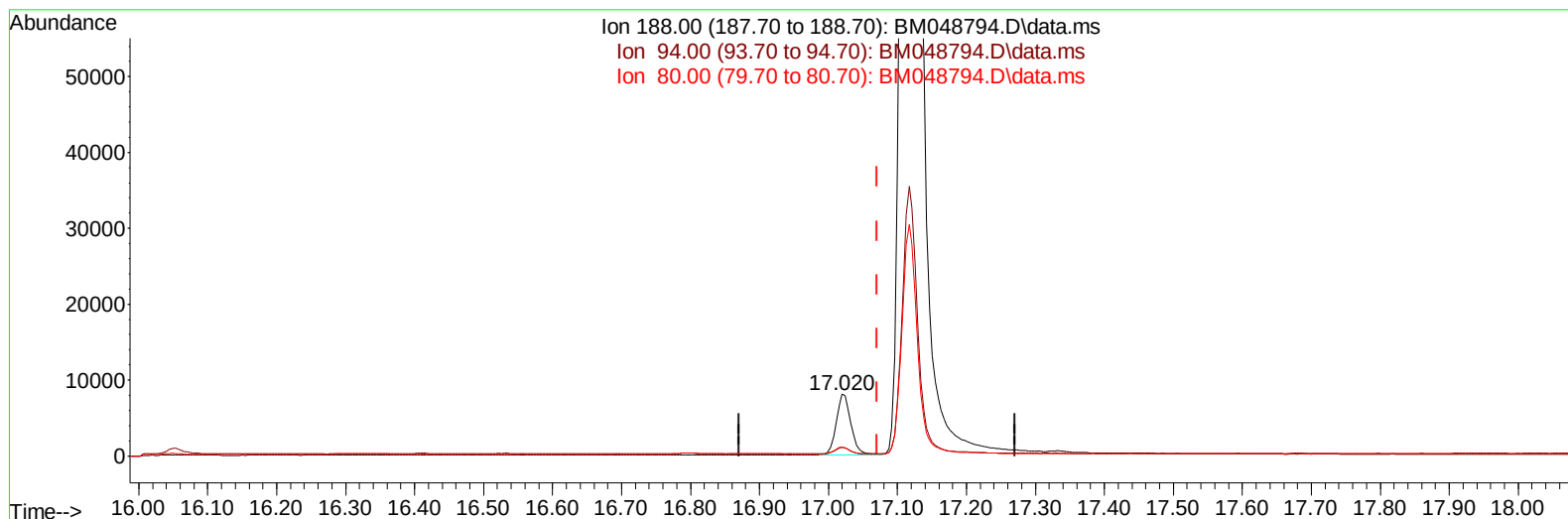
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
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Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
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TIC: BM048794.D\data.ms

(13) Phenanthrene-d10 (I)

17.020min (-0.051) 0.40 ng/ul m

response 11981

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.00	14.07
80.00	12.60	14.43
0.00	0.00	0.00

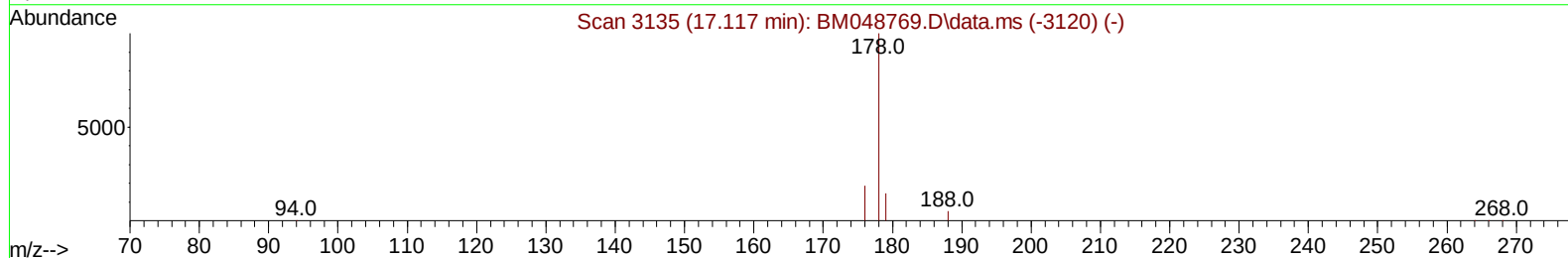
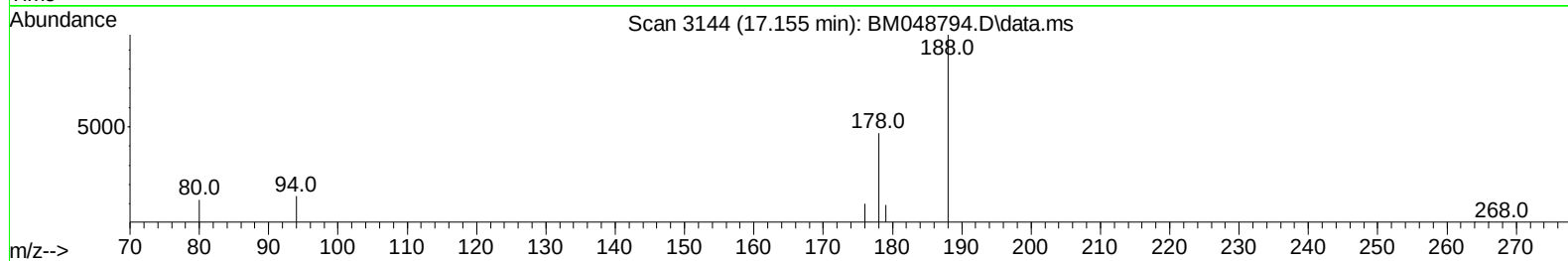
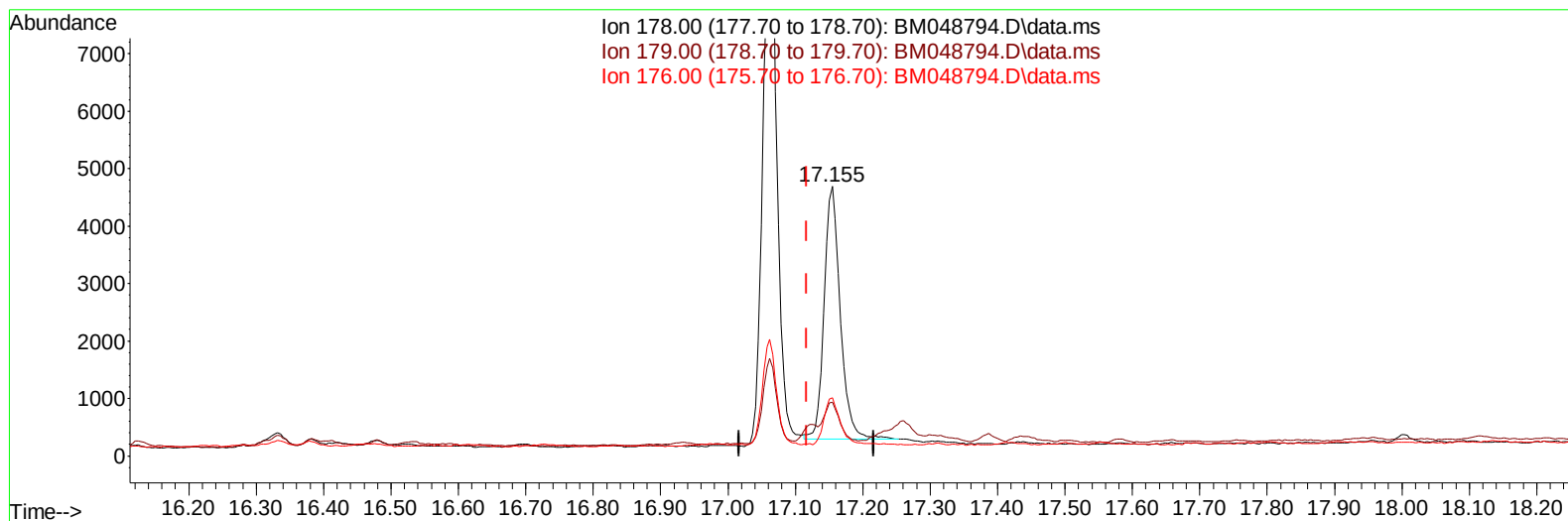
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

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TIC: BM048794.D\data.ms

(15) Phenanthrene

17.155min (+ 0.038) 0.23 ng/u1

response 7266

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	19.92
176.00	20.20	21.48
0.00	0.00	0.00

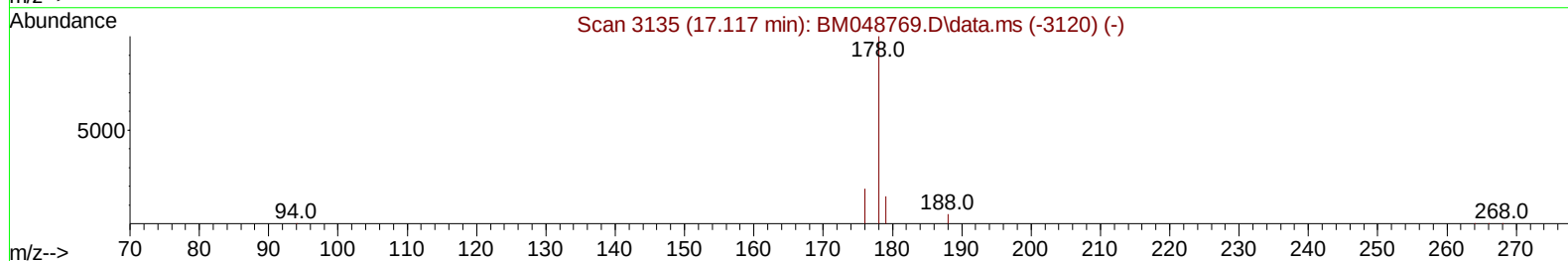
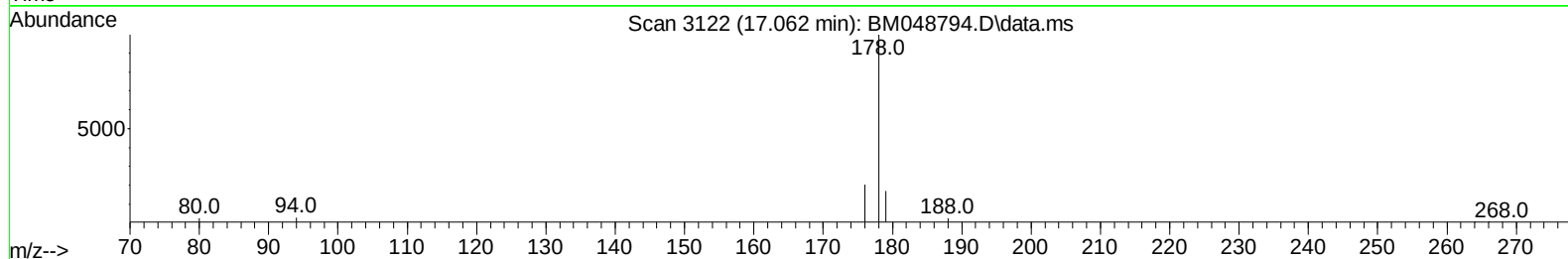
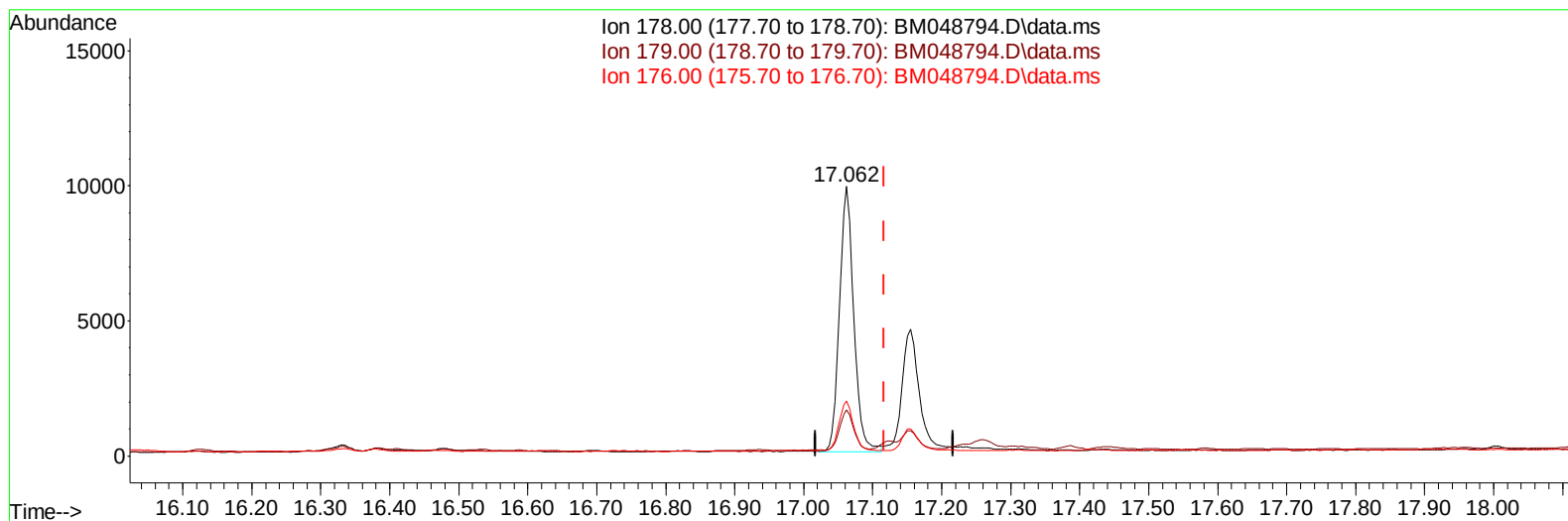
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 11/20/2024



TIC: BM048794.D\data.ms

(15) Phenanthrene

17.062min (-0.055) 0.45 ng/ul m

response 14208

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.70	17.02
176.00	20.20	20.33
0.00	0.00	0.00

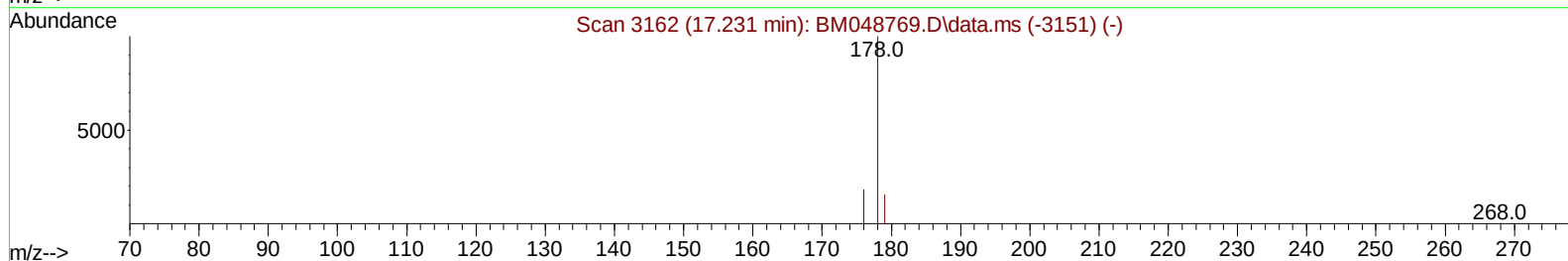
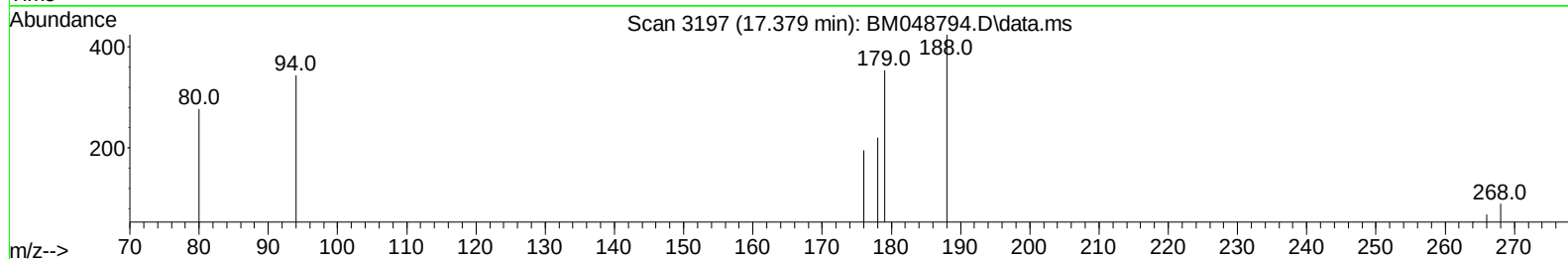
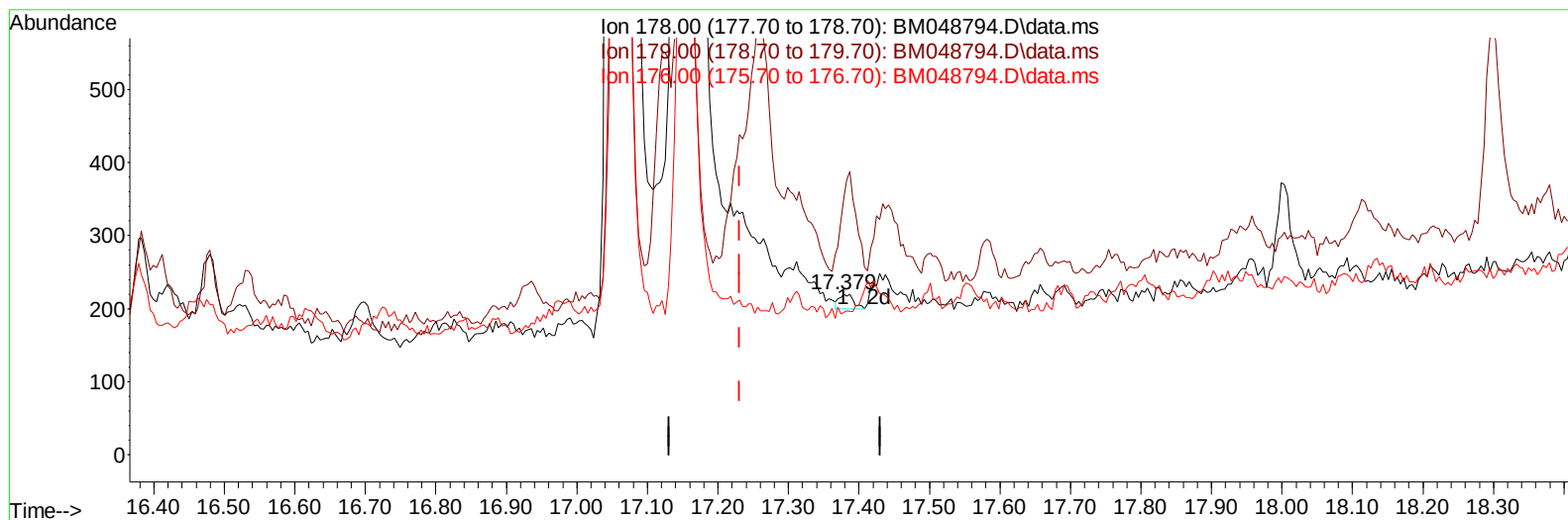
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
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TIC: BM048794.D\data.ms

(16) Anthracene

17.379min (+ 0.148) 0.00 ng/u1

response 28

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	160.91#
176.00	19.90	88.64#
0.00	0.00	0.00

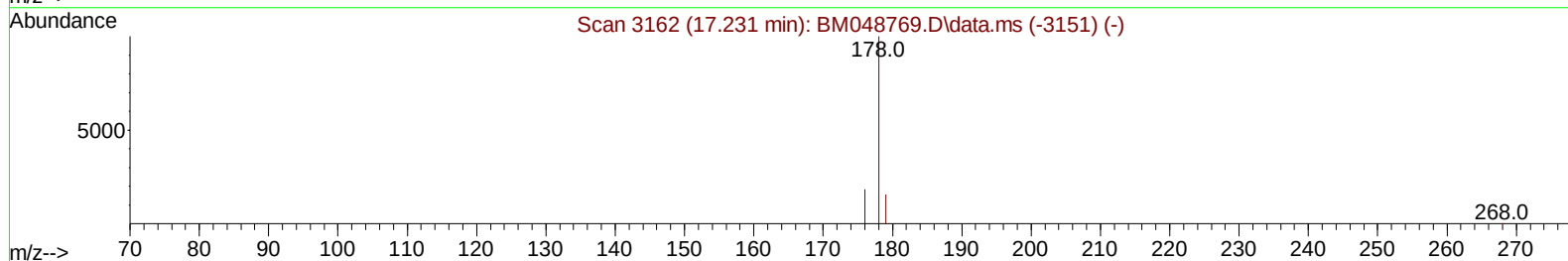
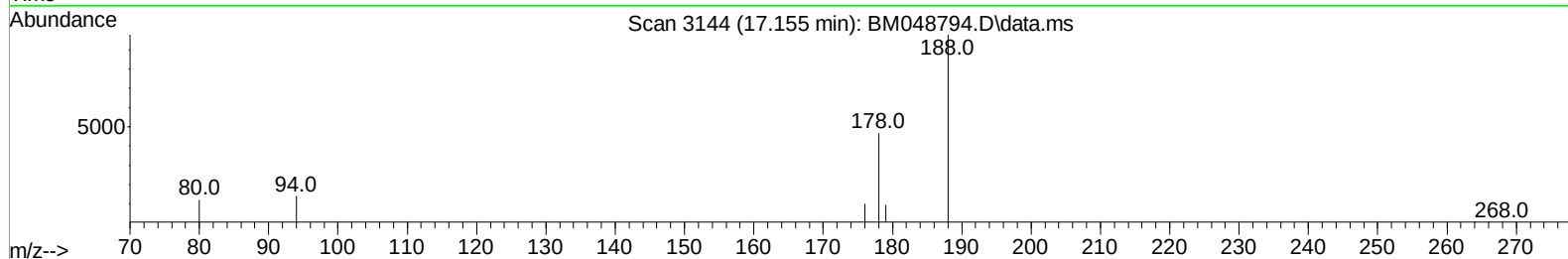
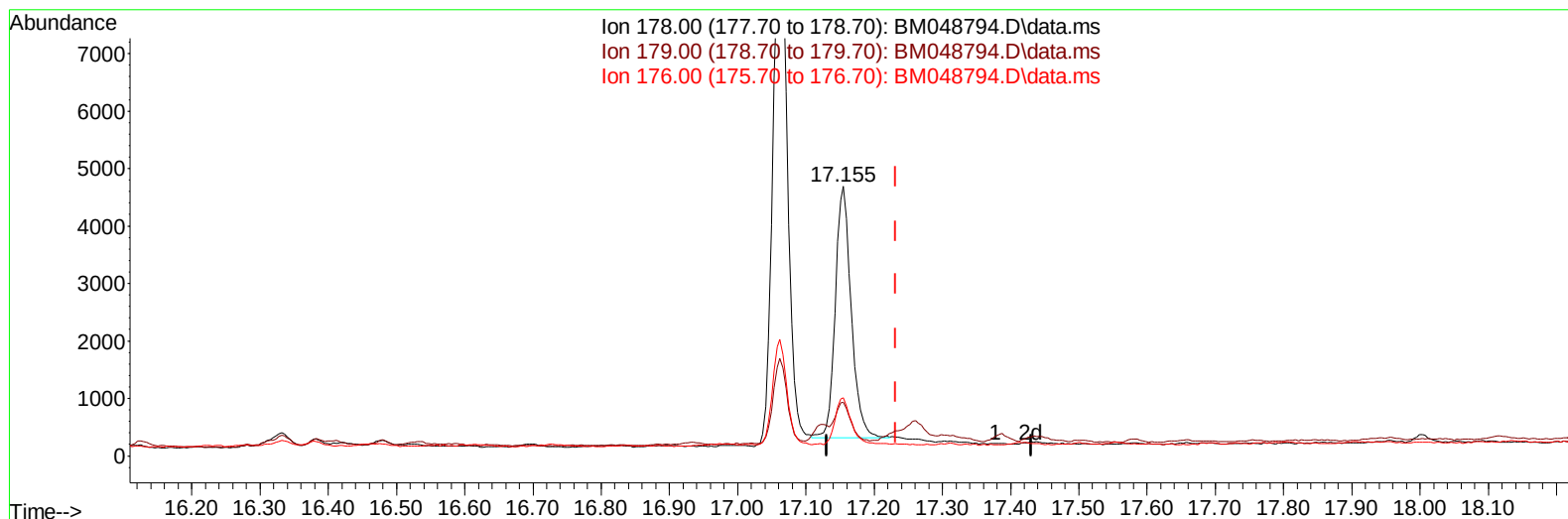
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
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QLast Update : Mon Nov 18 23:00:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/19/2024
Supervised By :mohammad ahmed 11/20/2024



TIC: BM048794.D\data.ms

(16) Anthracene

17.155min (-0.076) 0.24 ng/ul m

response 7106

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	19.92
176.00	19.90	21.48
0.00	0.00	0.00

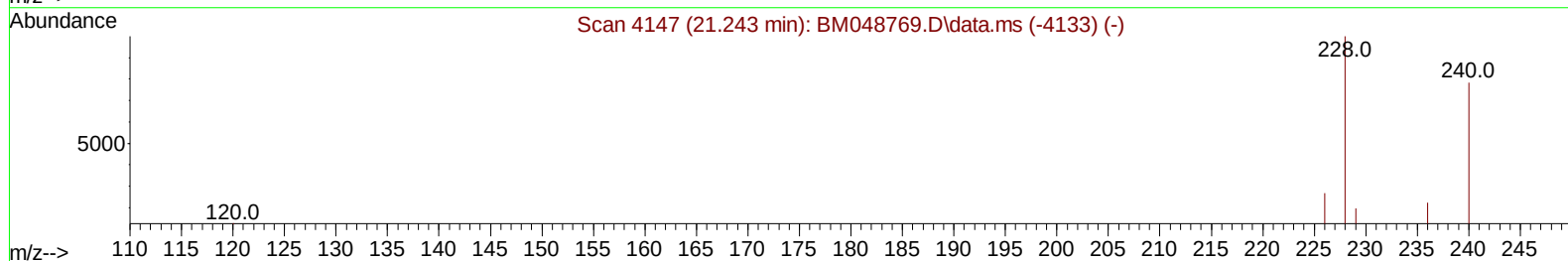
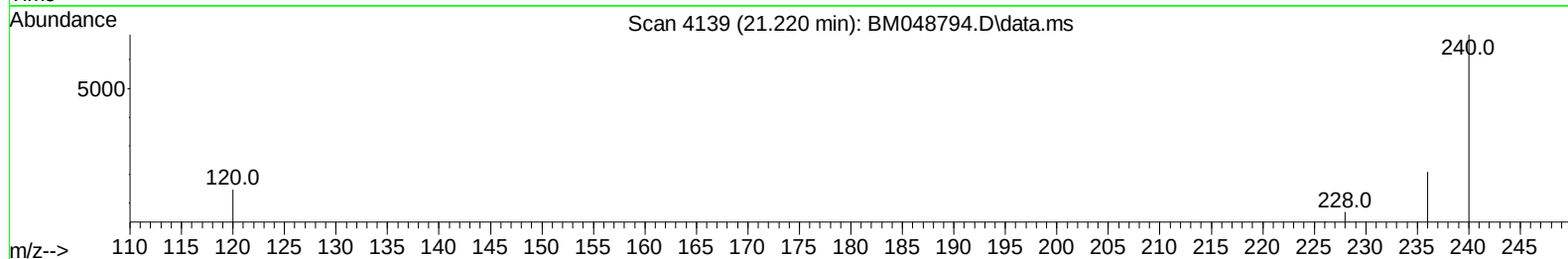
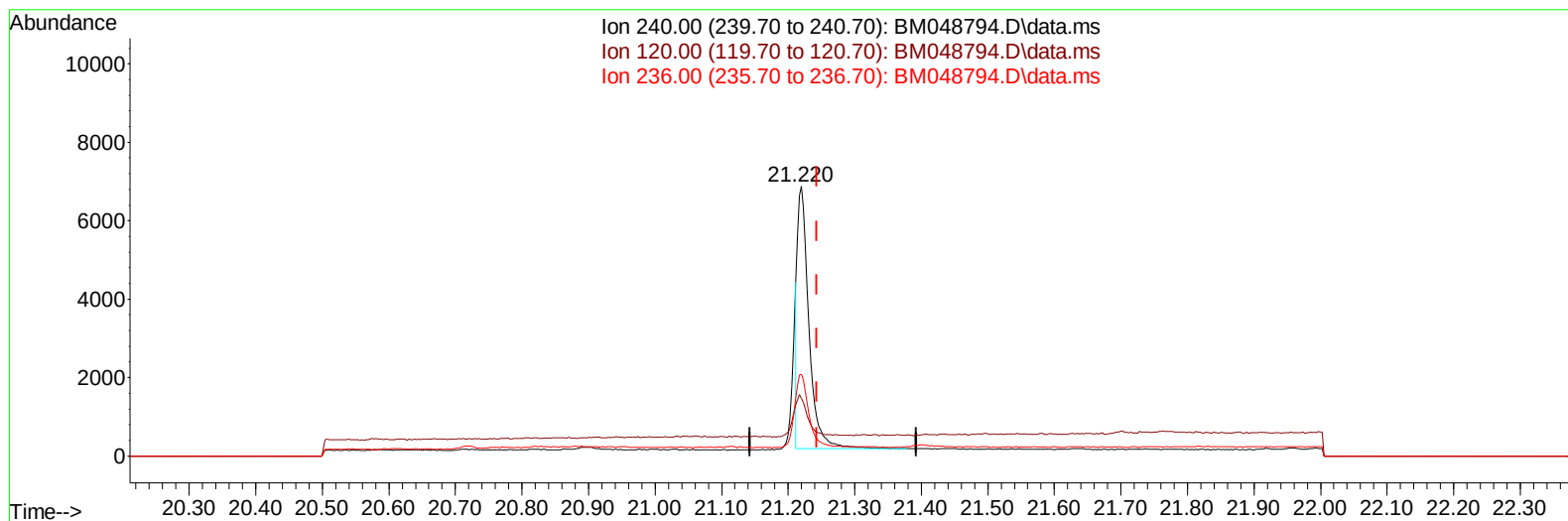
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM048794.D\data.ms

(17) Chrysene-d12

21.220min (-0.024) 0.40 ng/u1

response 8202

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	21.45
236.00	29.90	30.38
0.00	0.00	0.00

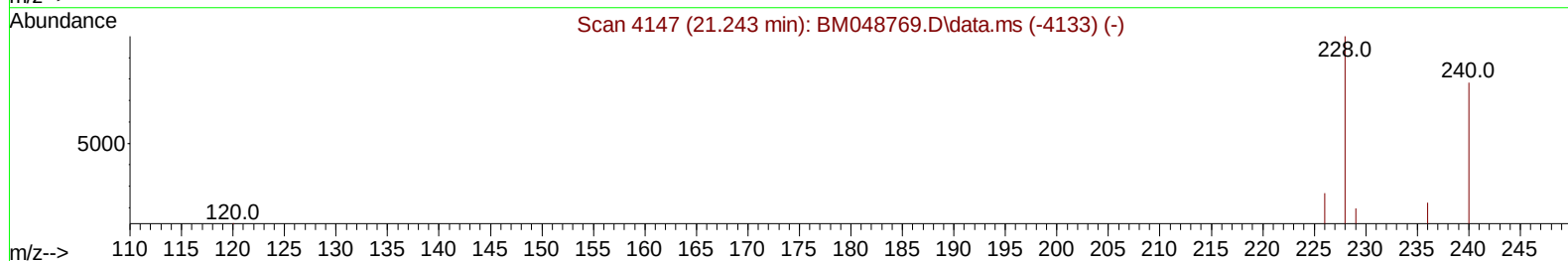
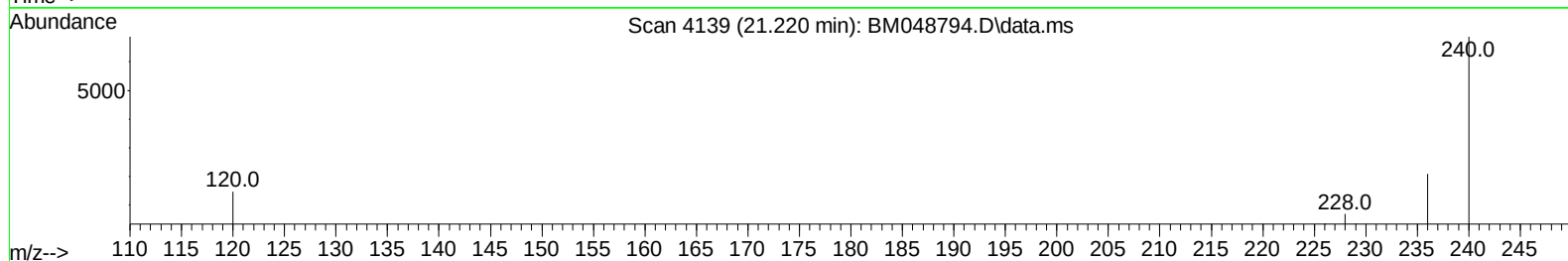
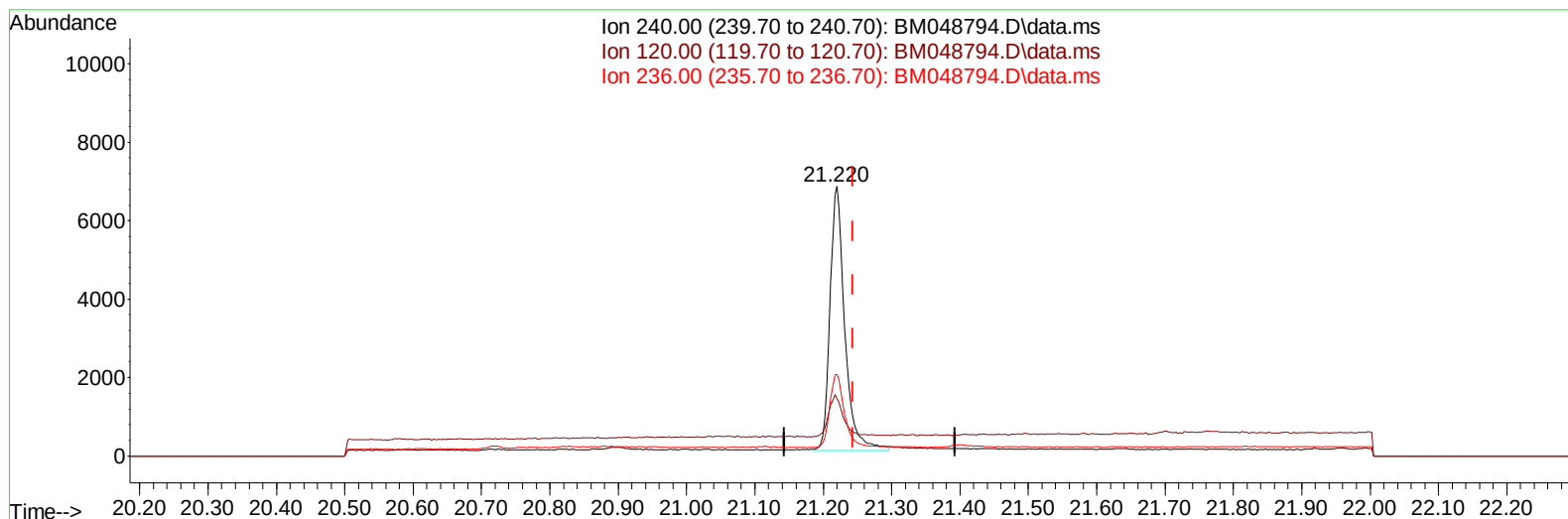
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
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QLast Update : Mon Nov 18 23:00:29 2024
Response via : Initial Calibration

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TIC: BM048794.D\data.ms

(17) Chrysene-d12

21.220min (-0.024) 0.40 ng/ul m

response 10097

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	21.45
236.00	29.90	30.38
0.00	0.00	0.00

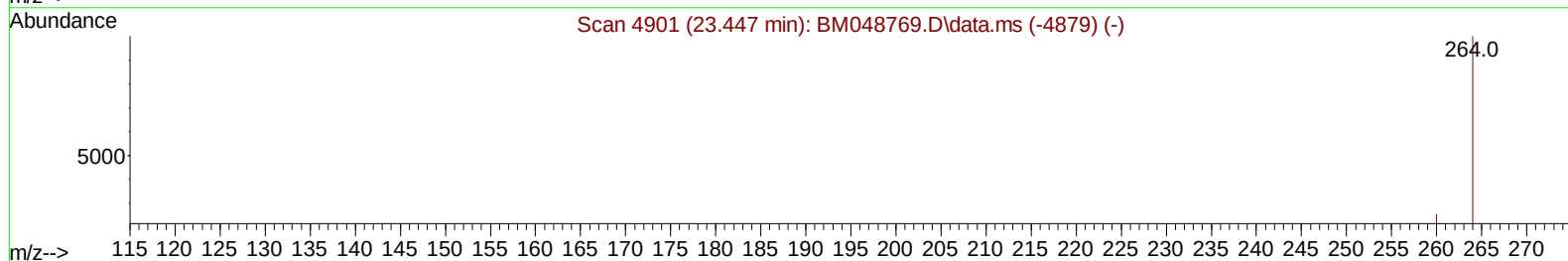
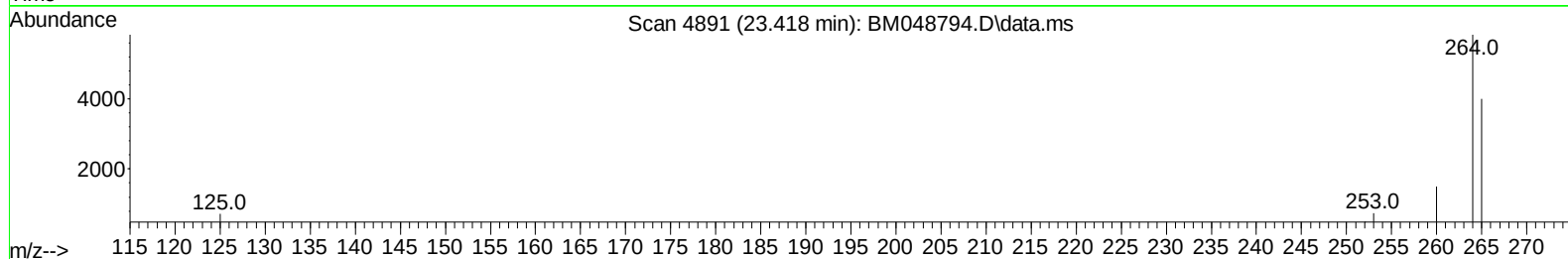
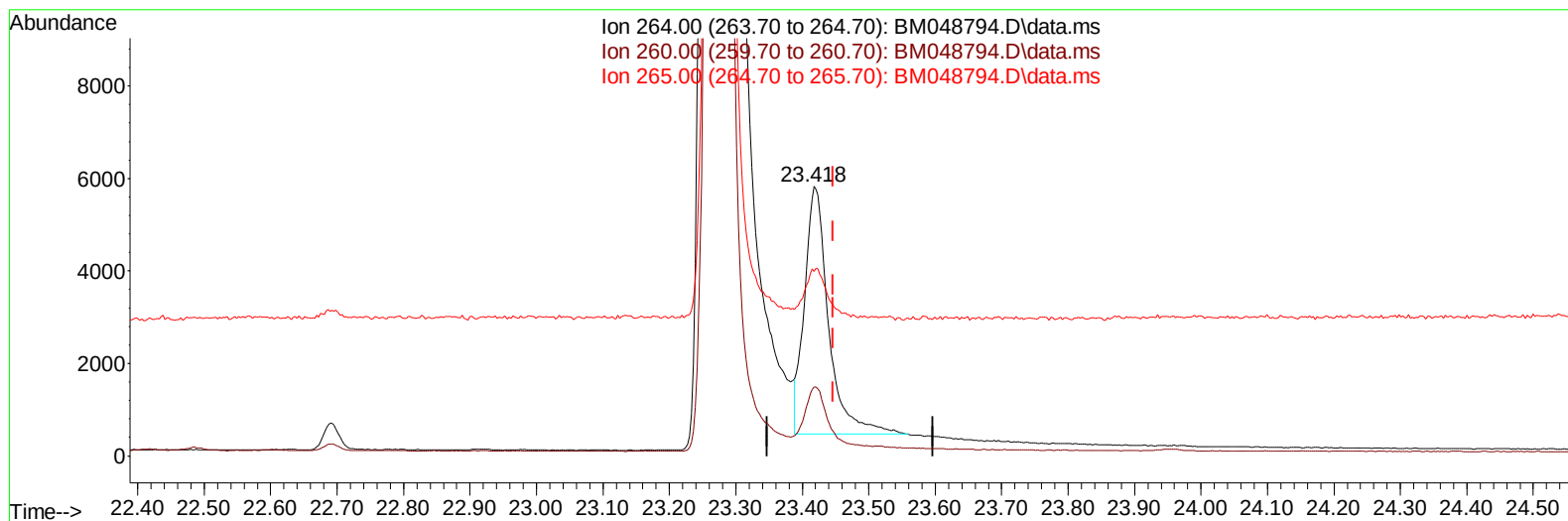
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
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Instrument :
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ClientSampleId :
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TIC: BM048794.D\data.ms

(23) Perylene-d12 (I)

23.418min (-0.029) 0.40 ng/u1

response 13559

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.30	25.59
265.00	119.80	68.53#
0.00	0.00	0.00

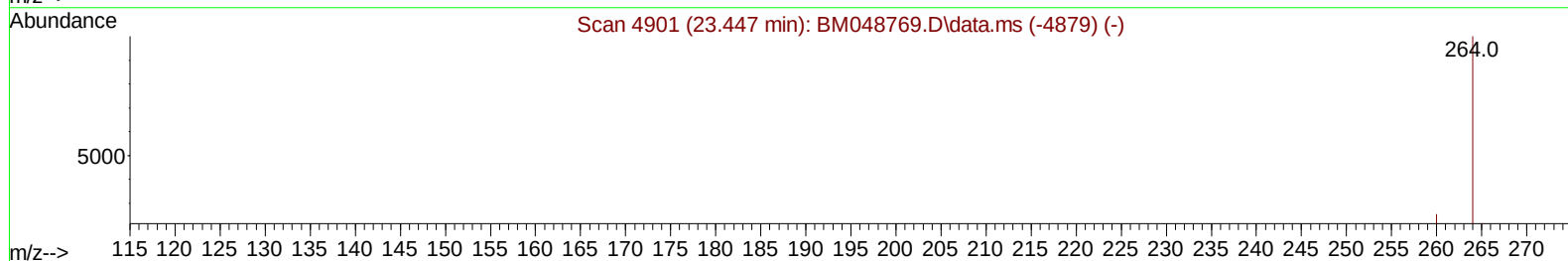
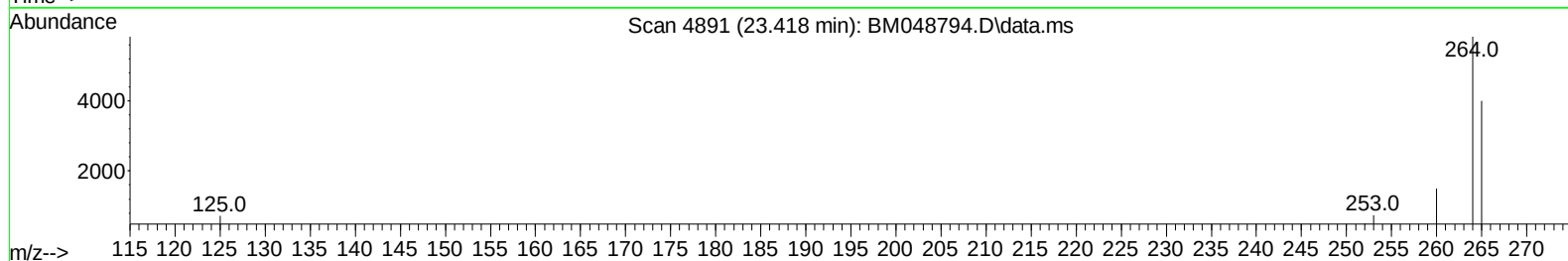
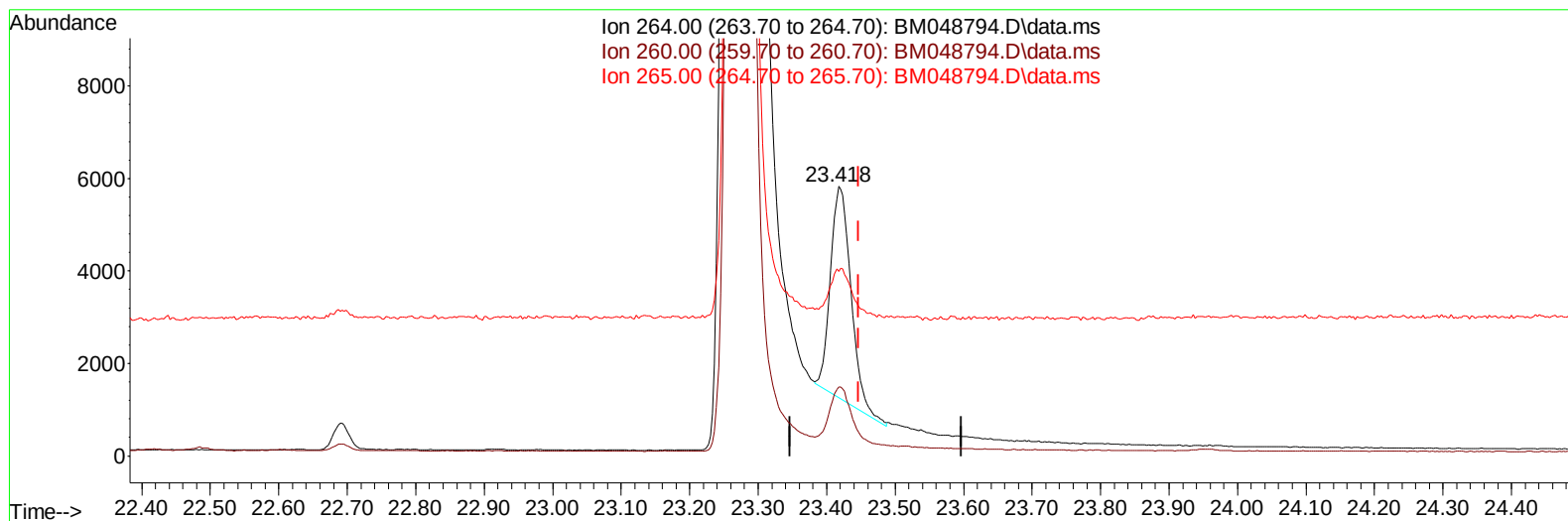
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
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Supervised By :mohammad ahmed 11/20/2024



TIC: BM048794.D\data.ms

(23) Perylene-d12 (I)

23.418min (-0.029) 0.40 ng/ul m

response 9448

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.30	25.59
265.00	119.80	68.53#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
 Data File : BM048794.D
 Acq On : 19 Nov 2024 02:18
 Operator : RC/JU
 Sample : P4803-06DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A0AQ1DL

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 11/20/2024

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 QLast Update : Mon Nov 18 23:00:29 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.629	152		3380m	0.400	ng/ul	-0.12
4) Naphthalene-d8	10.410	136		10260	0.400	ng/ul	-0.08
9) Acenaphthene-d10	14.272	164		5614	0.400	ng/ul	-0.03
13) Phenanthrene-d10	17.020	188		11981m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.220	240		10097m	0.400	ng/ul	-0.02
23) Perylene-d12	23.418	264		9448m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.085	96		10514	2.578	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.026	152		1924	0.145	ng/ul	-0.07
18) Fluoranthene-d10	19.054	212		5330	0.188	ng/ul	-0.03
Target Compounds				Qvalue			
5) Naphthalene	10.459	128		5534	0.215	ng/ul#	91
7) 2-Methylnaphthalene	12.098	142		1133	0.070	ng/ul#	36
8) 1-Methylnaphthalene	12.312	142		3805	0.230	ng/ul	97
10) Acenaphthylene	13.990	152		1240	0.058	ng/ul#	64
11) Acenaphthene	14.337	153		13353	0.783	ng/ul	98
12) Fluorene	15.327	166		13885	0.749	ng/ul	100
15) Phenanthrene	17.062	178		14208m	0.451	ng/ul	
16) Anthracene	17.155	178		7106m	0.243	ng/ul	
19) Fluoranthene	19.087	202		17212	0.460	ng/ul	99
20) Pyrene	19.445	202		13639	0.336	ng/ul	97
21) Benzo(a)anthracene	21.205	228		1798	0.054	ng/ul#	71
22) Chrysene	21.255	228		1424	0.036	ng/ul#	69

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111824\
Data File : BM048794.D
Acq On : 19 Nov 2024 02:18
Operator : RC/JU
Sample : P4803-06DL 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A0AQ1DL

Manual IntegrationsAPPROVED

Quant Time: Nov 19 03:46:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 18 23:00:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 11/19/2024
Supervised By :mohammad ahmed 11/20/2024

