

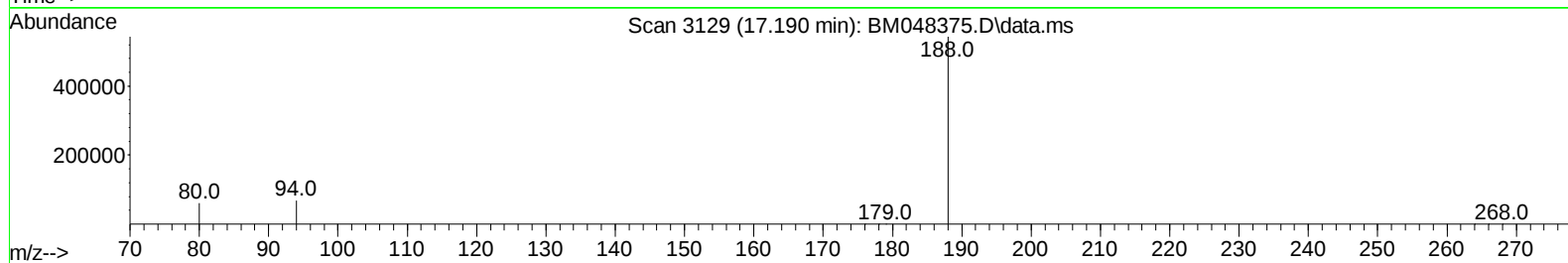
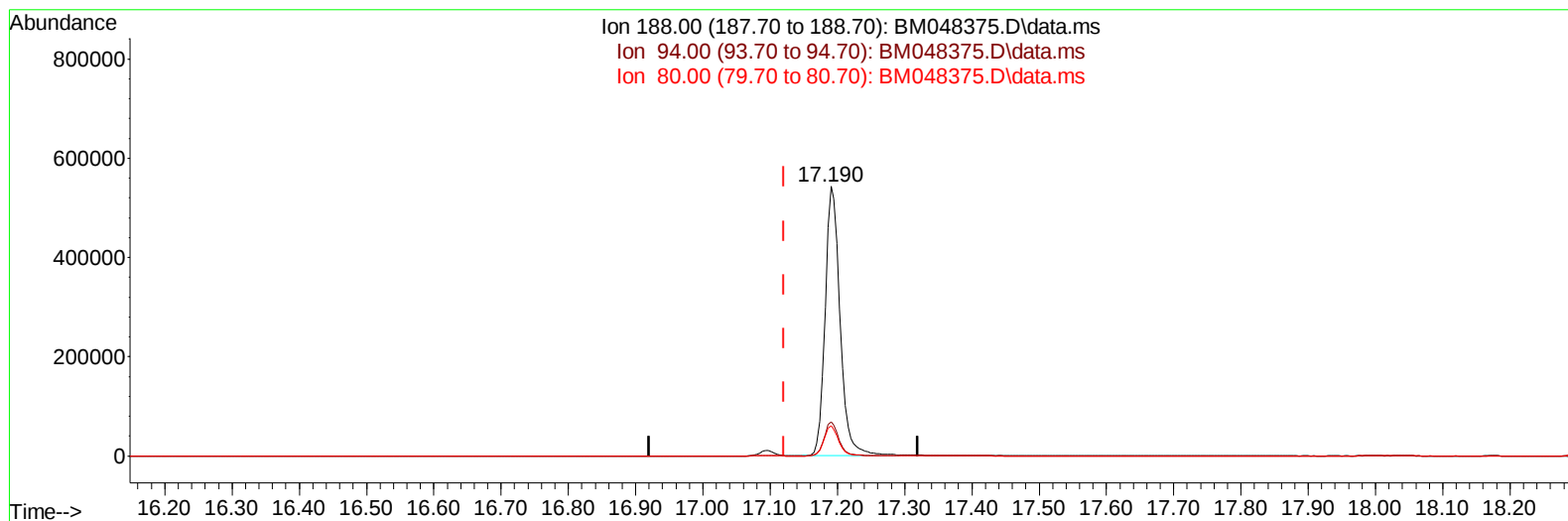
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(13) Phenanthrene-d10 (I)

17.190min (+ 0.070) 0.40 ng/u1

response 837239

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	12.70
80.00	12.10	11.14
0.00	0.00	0.00

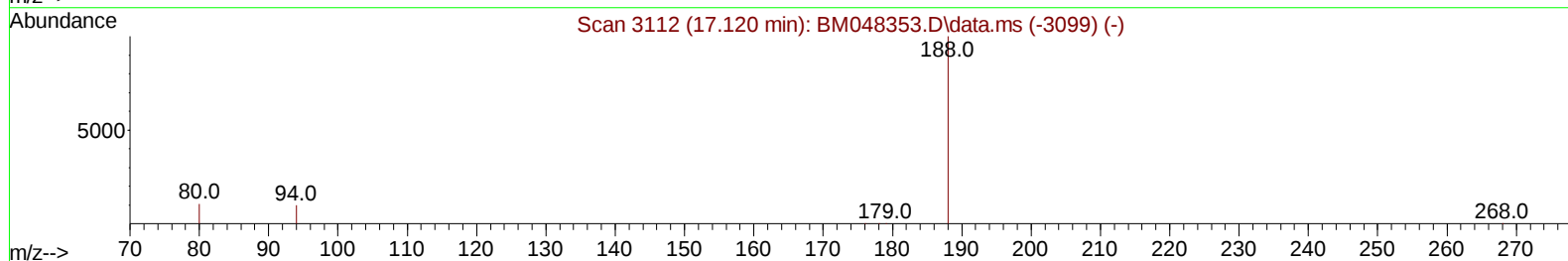
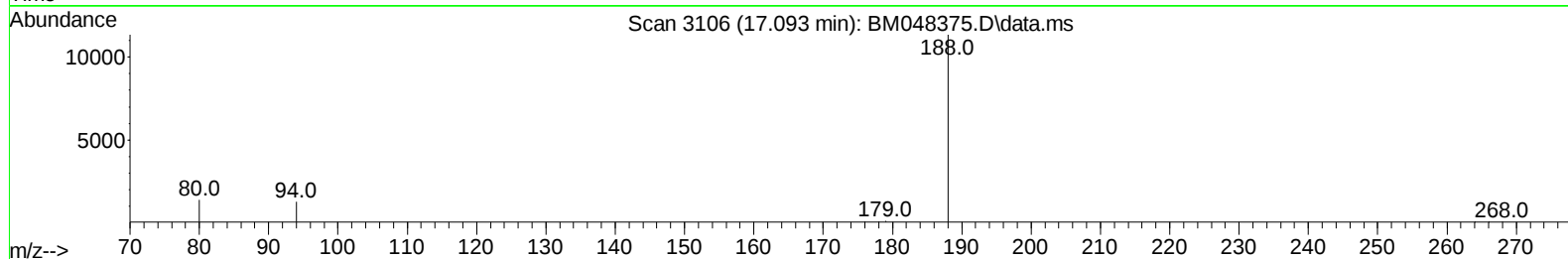
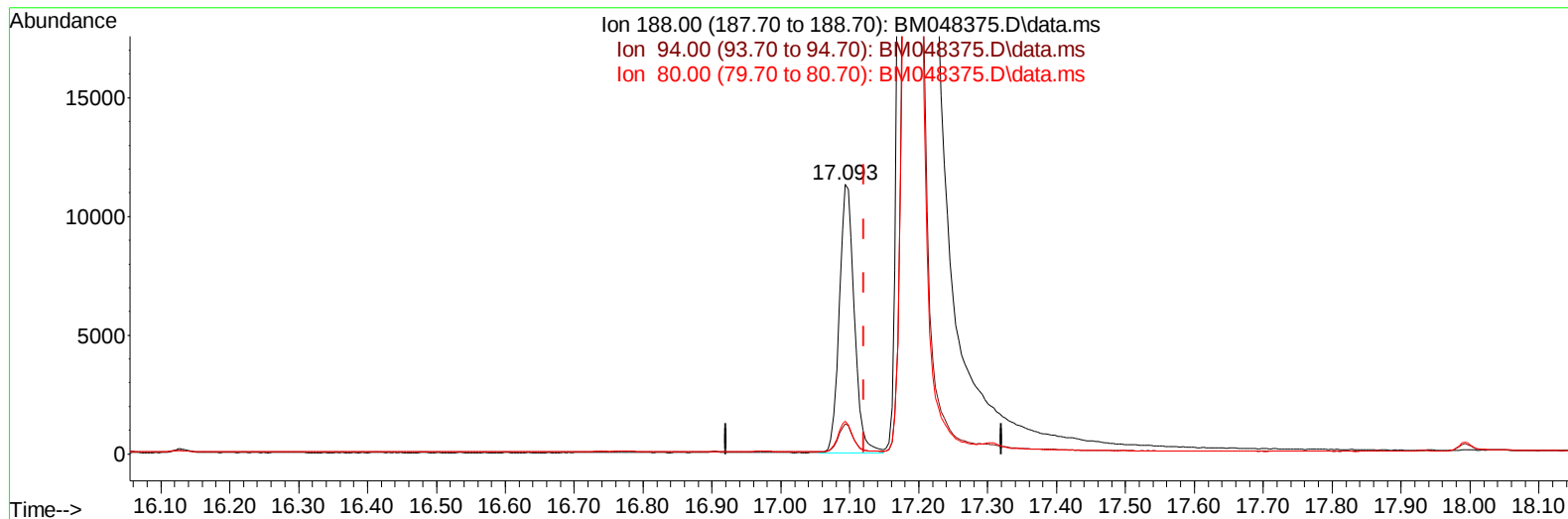
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(13) Phenanthrene-d10 (I)

17.093min (-0.027) 0.40 ng/ul m

response 17176

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.50	11.23
80.00	12.10	12.12
0.00	0.00	0.00

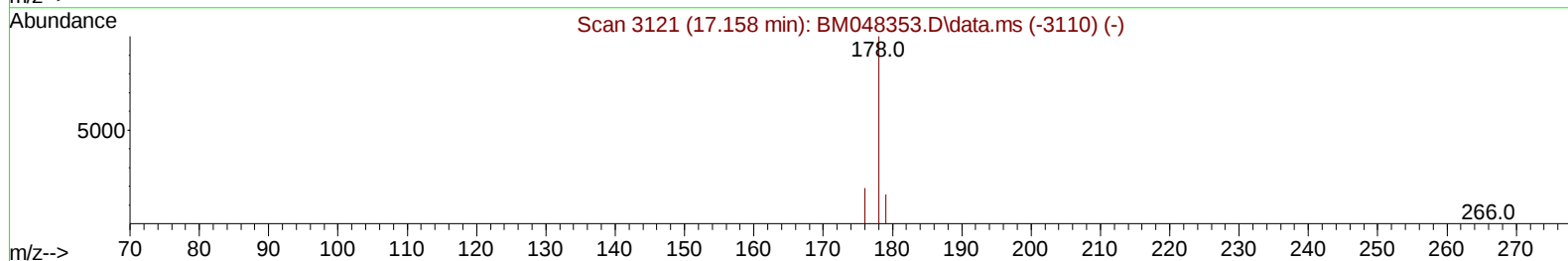
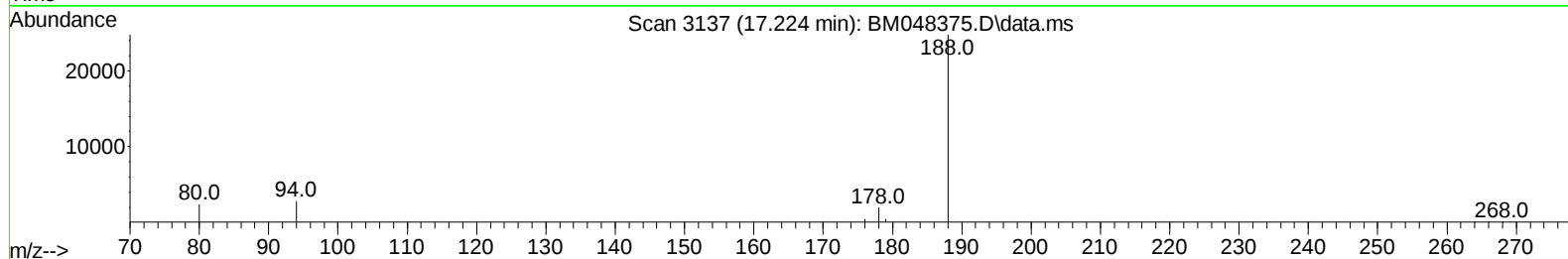
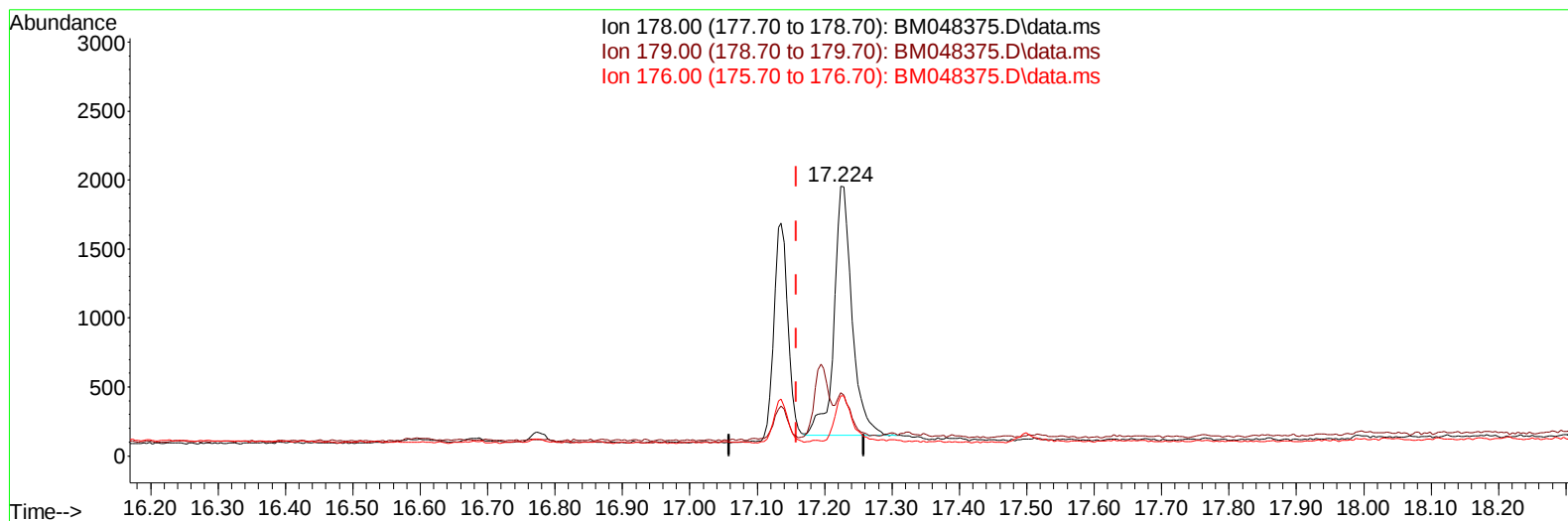
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 2024
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(15) Phenanthrene

17.224min (+ 0.066) 0.08 ng/u1

response 3354

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	23.50#
176.00	20.00	22.43
0.00	0.00	0.00

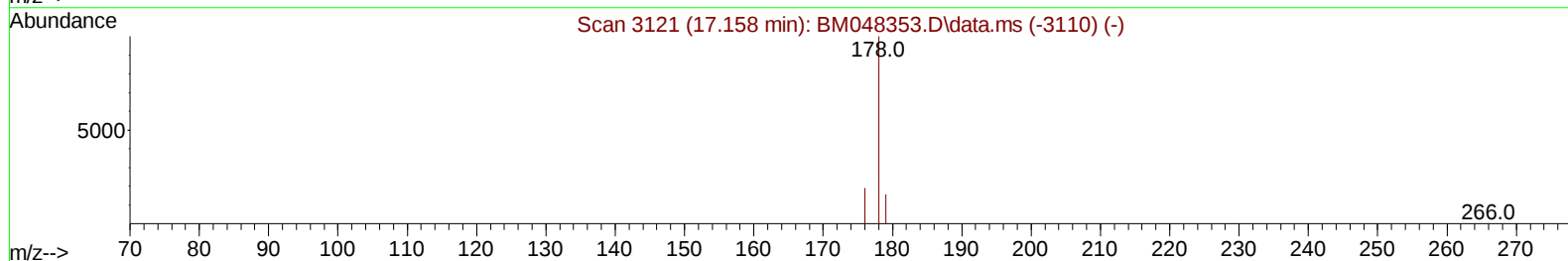
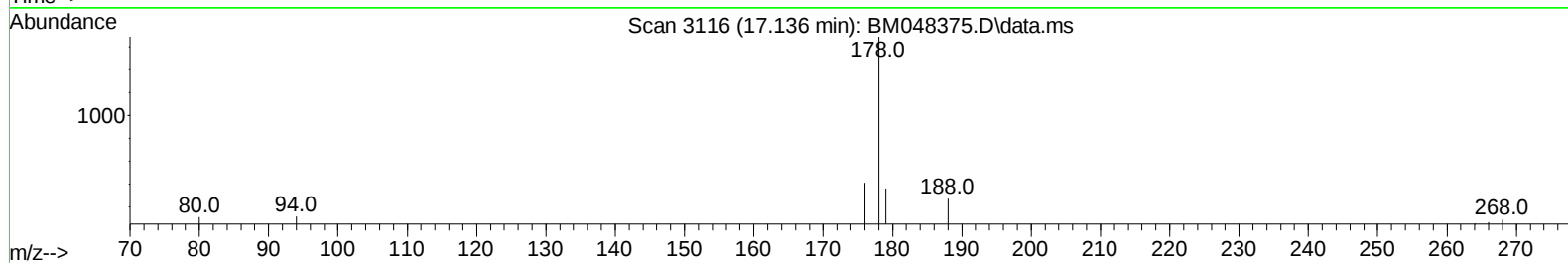
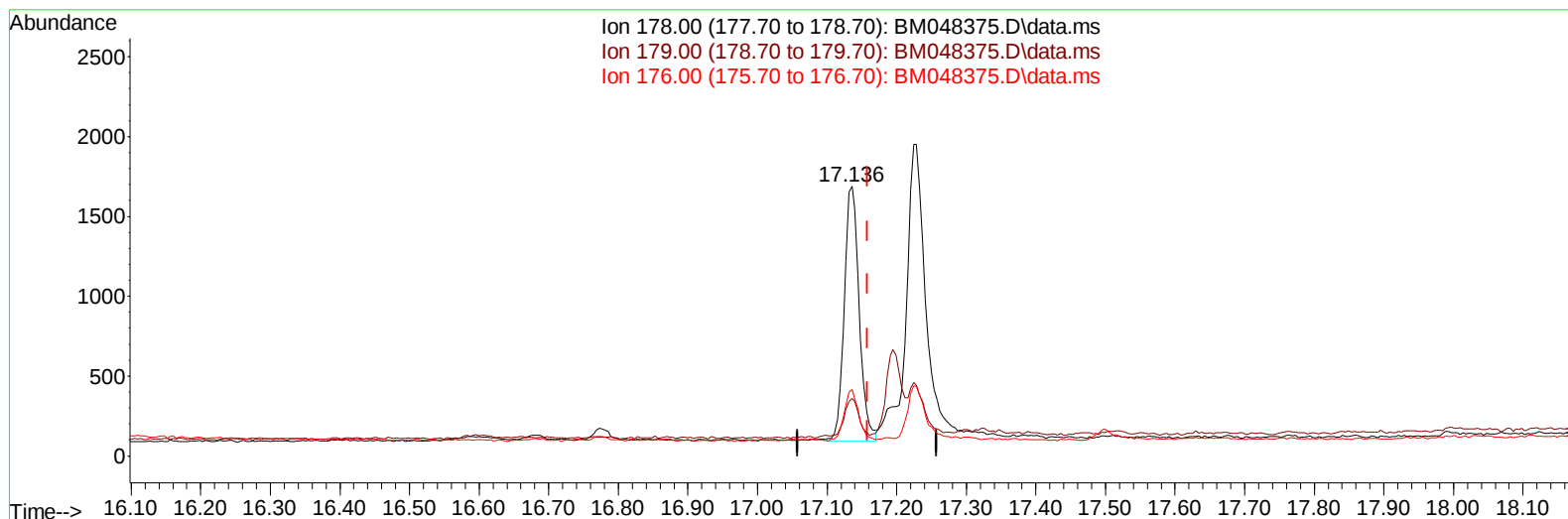
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(15) Phenanthrene

17.136min (-0.023) 0.06 ng/u1 m

response 2377

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.40	21.39#
176.00	20.00	24.53#
0.00	0.00	0.00

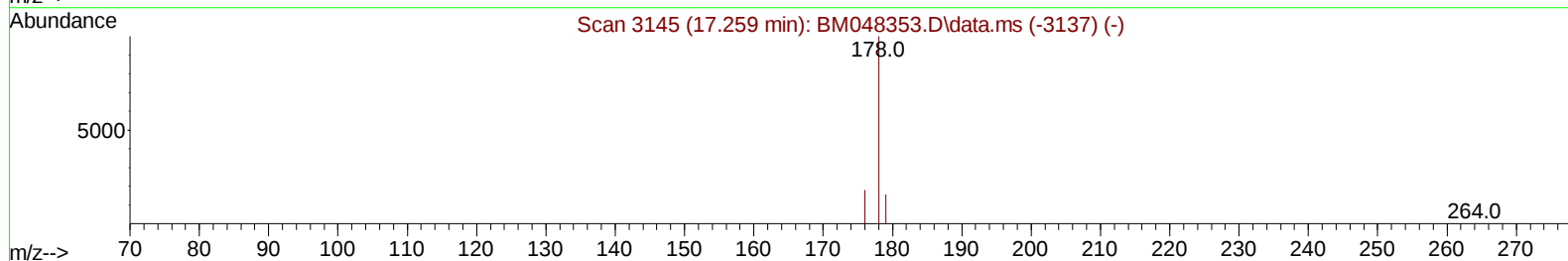
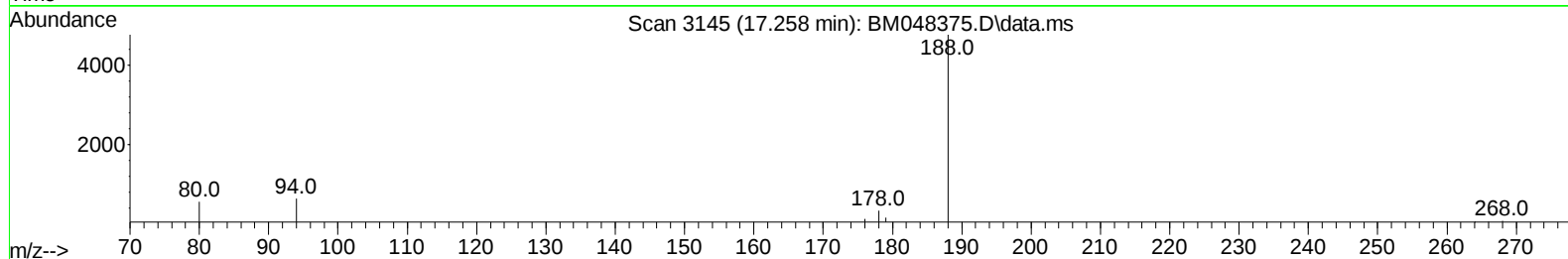
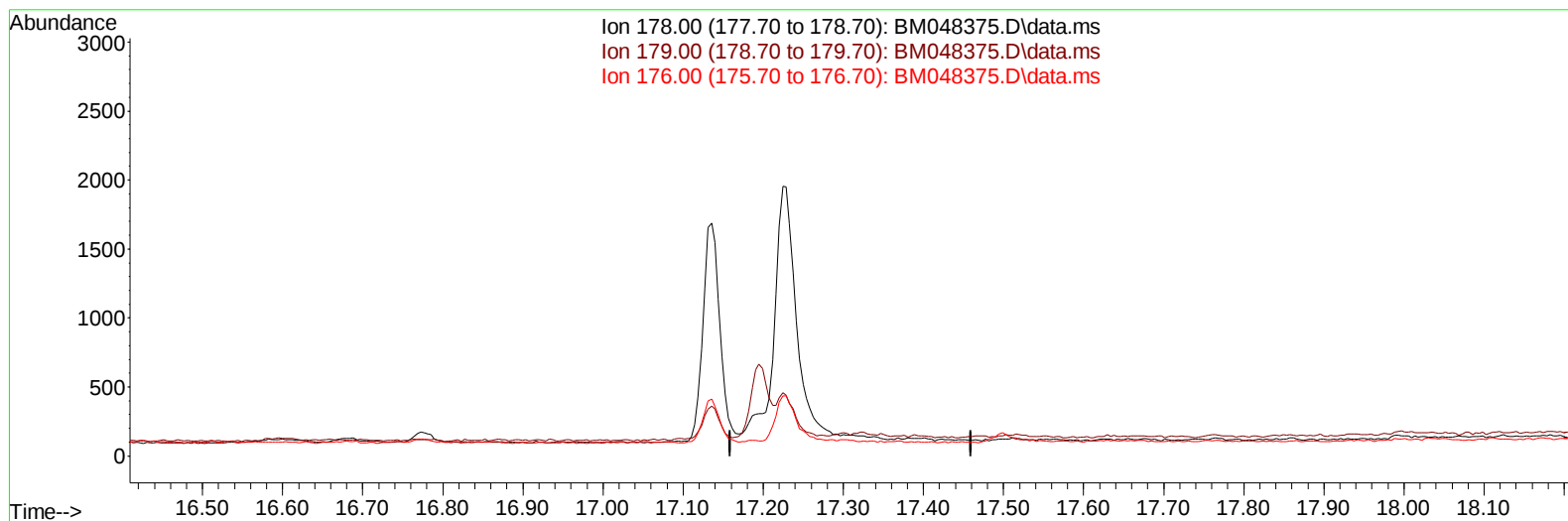
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(16) Anthracene

17.259min (-17.259) 0.00 ng/u1

response 0

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

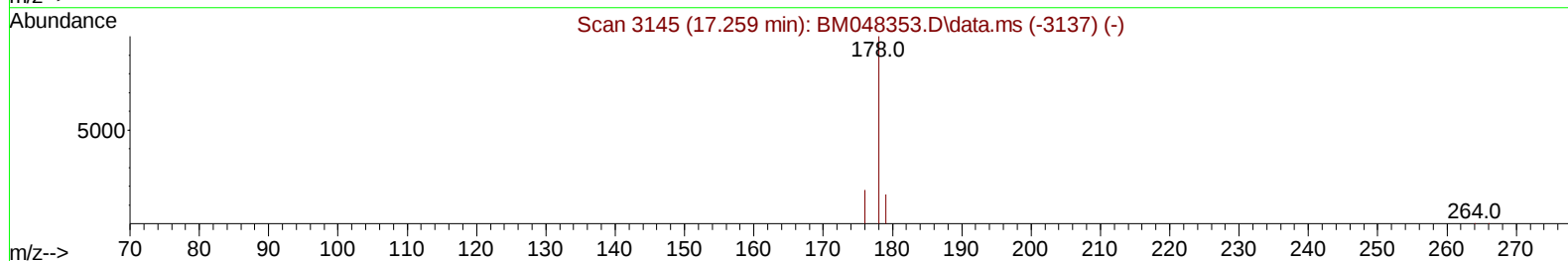
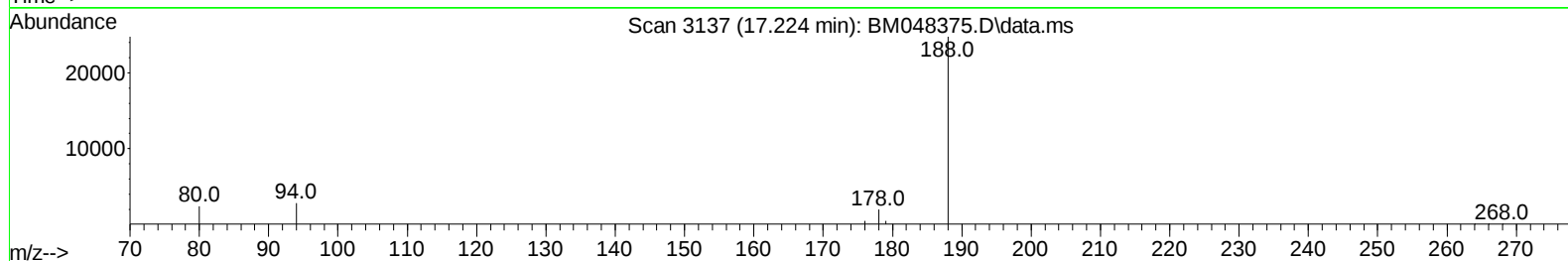
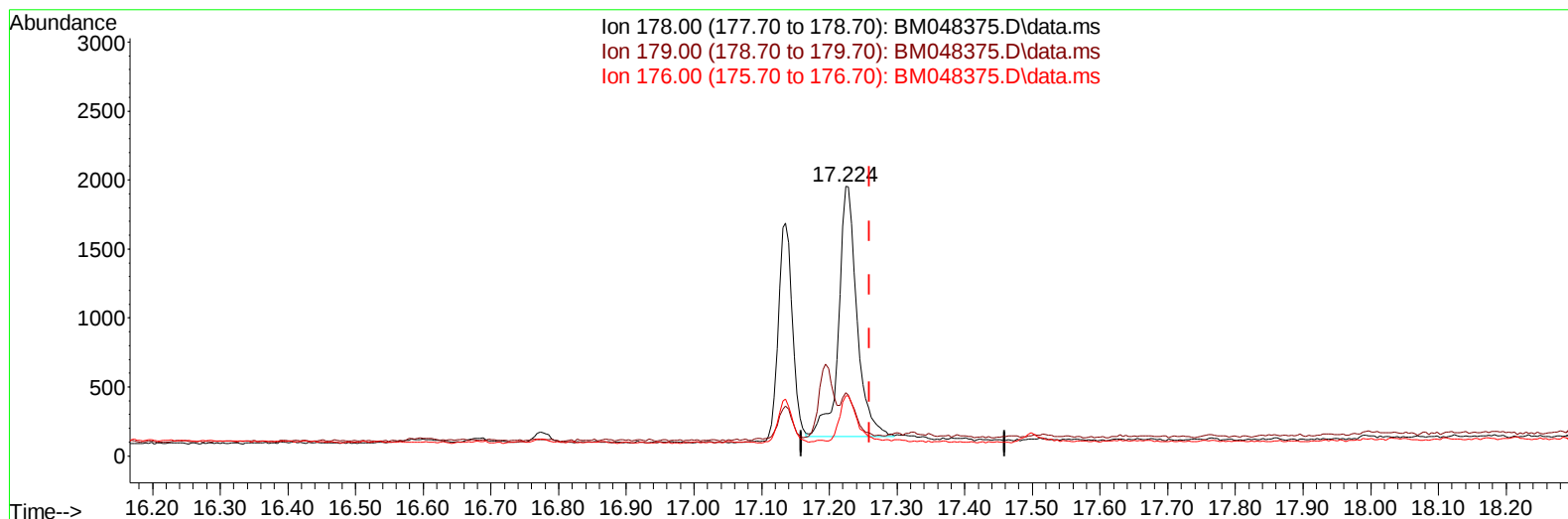
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(16) Anthracene

17.224min (-0.035) 0.09 ng/u1 m

response 3442

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	23.50#
176.00	19.70	22.43
0.00	0.00	0.00

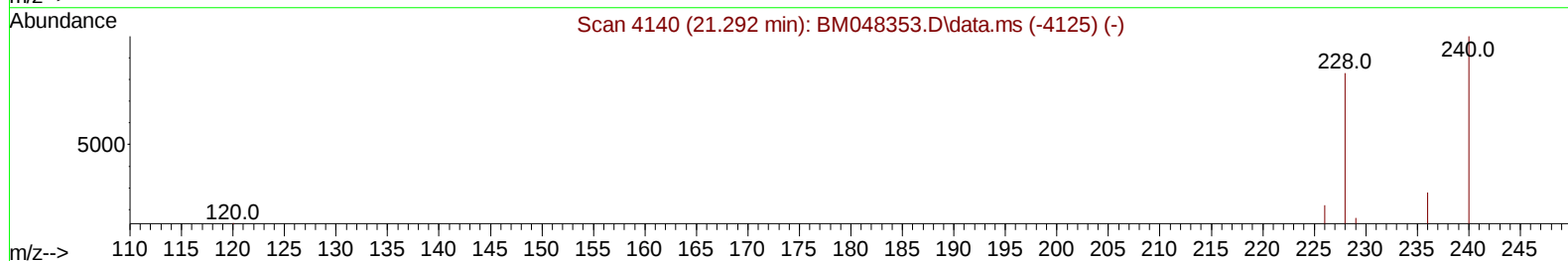
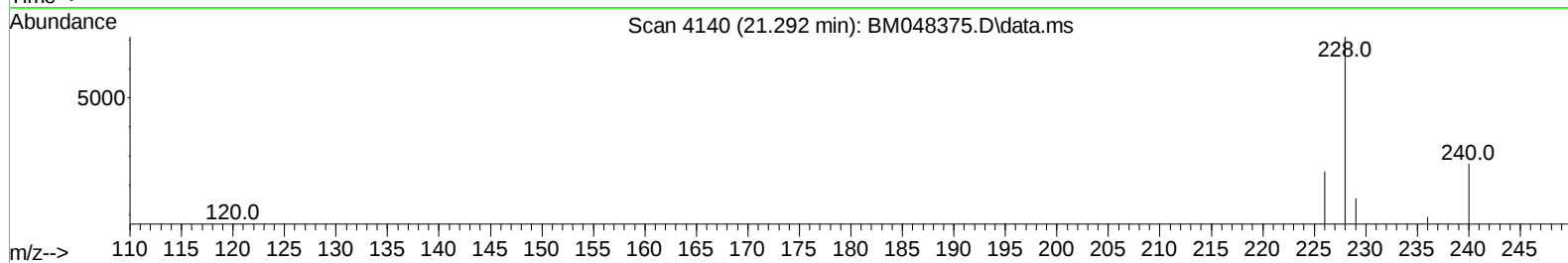
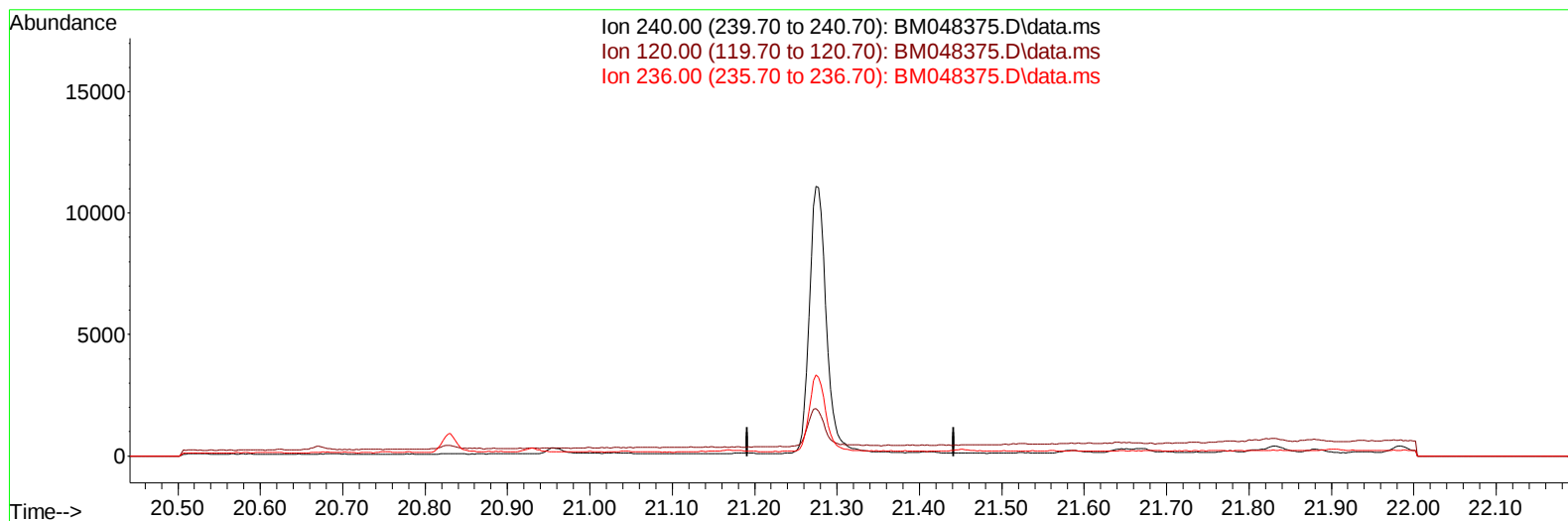
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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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Reviewed By :Yogesh Patel 11/04/2024
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TIC: BM048375.D\data.ms

(17) Chrysene-d12

21.292min (-21.292) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	19.00	0.00#
236.00	29.90	0.00#
0.00	0.00	0.00

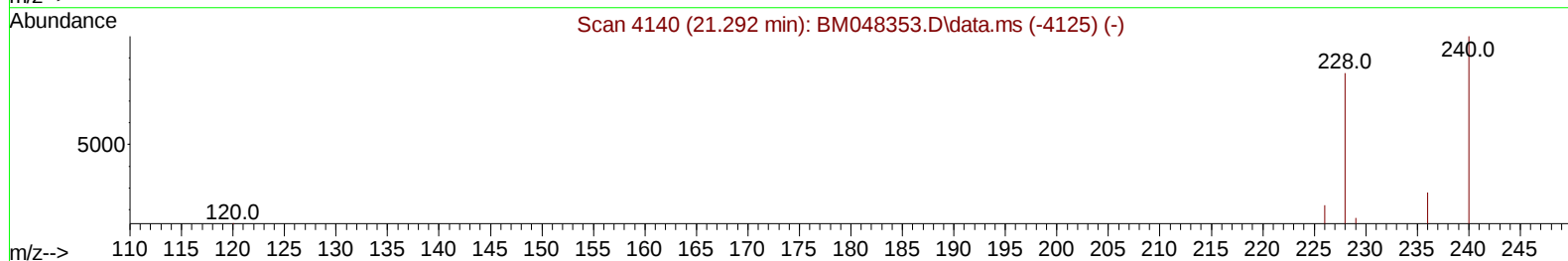
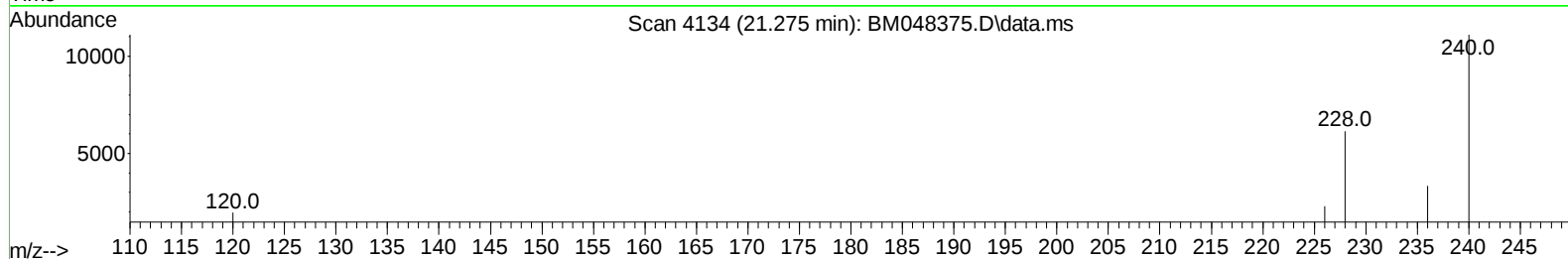
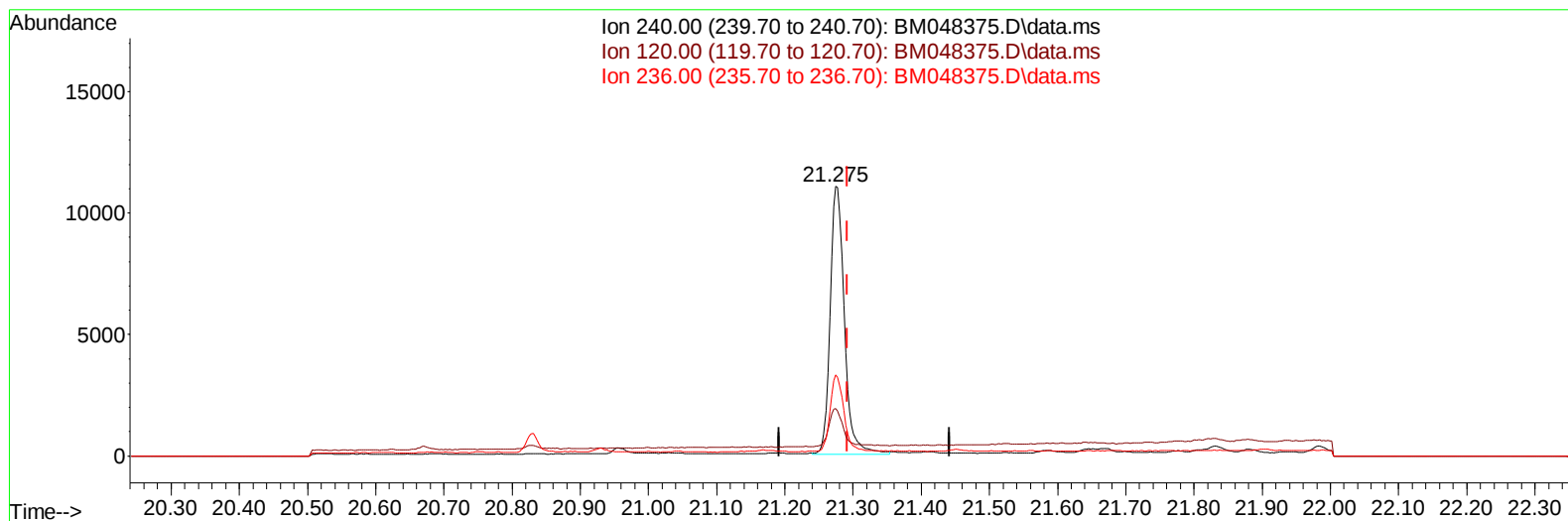
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(17) Chrysene-d12

21.275min (-0.017) 0.40 ng/ul m

response 16018

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	19.00	17.63
236.00	29.90	29.99
0.00	0.00	0.00

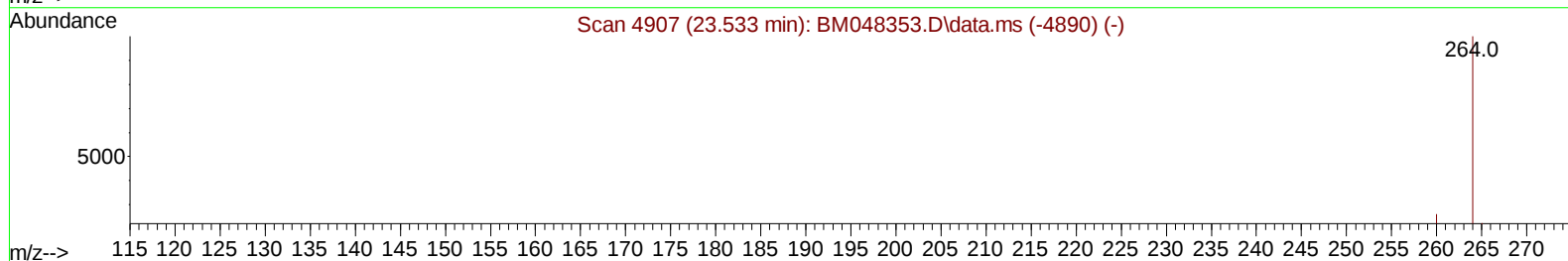
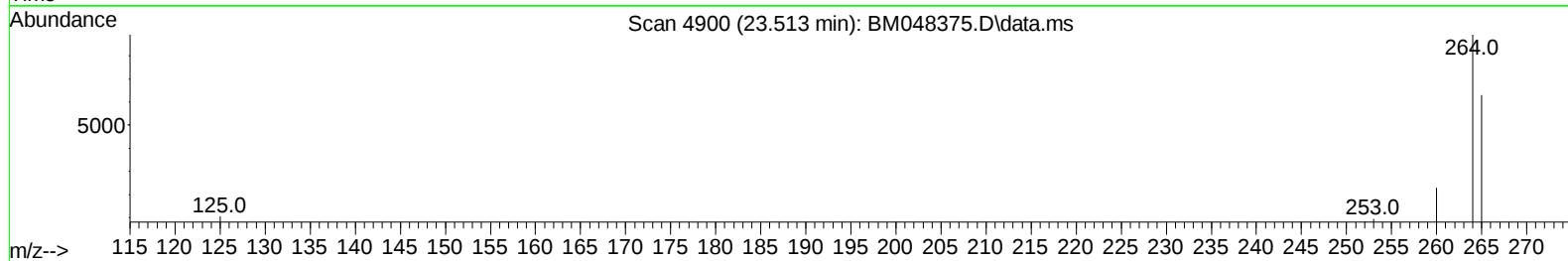
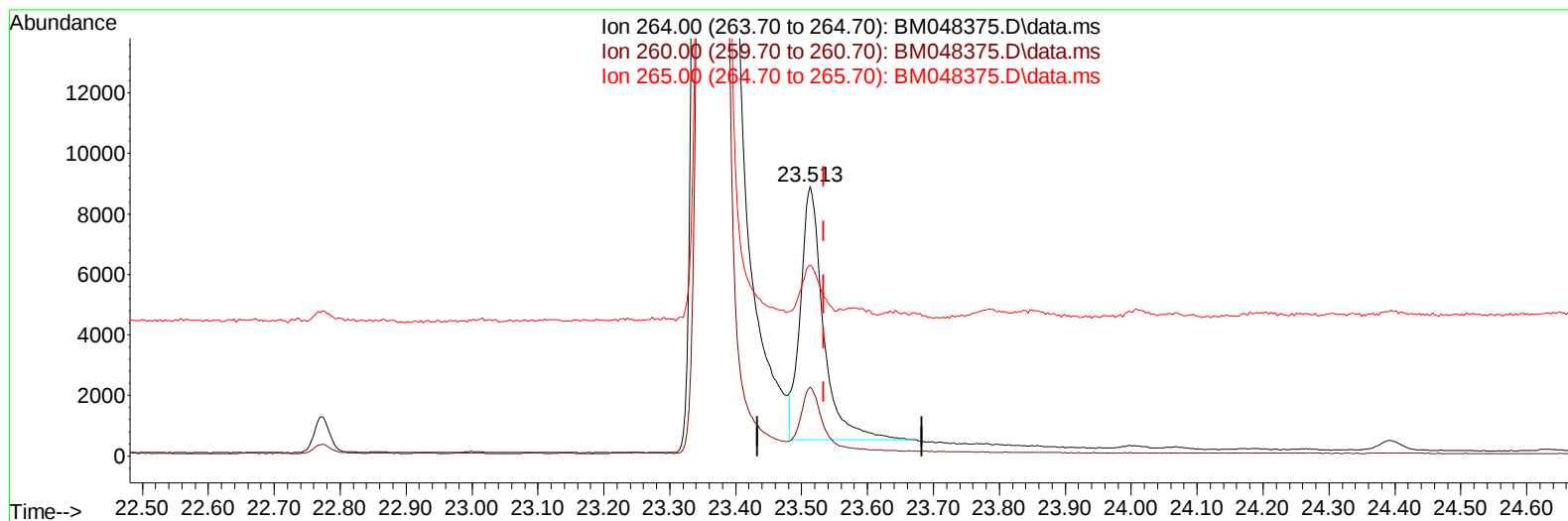
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 03 07:04:56 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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Response via : Initial Calibration



TIC: BM048375.D\data.ms

(23) Perylene-d12 (I)

23.513min (-0.020) 0.40 ng/u1

response 20353

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.70
265.00	120.80	70.83#
0.00	0.00	0.00

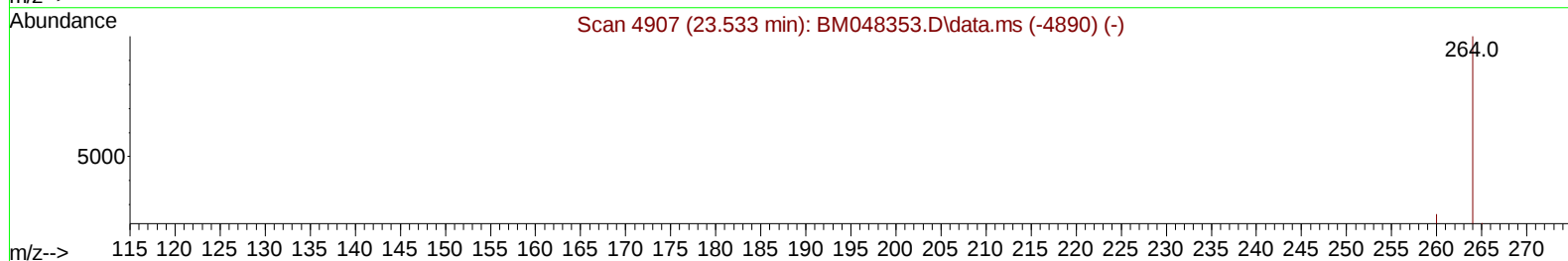
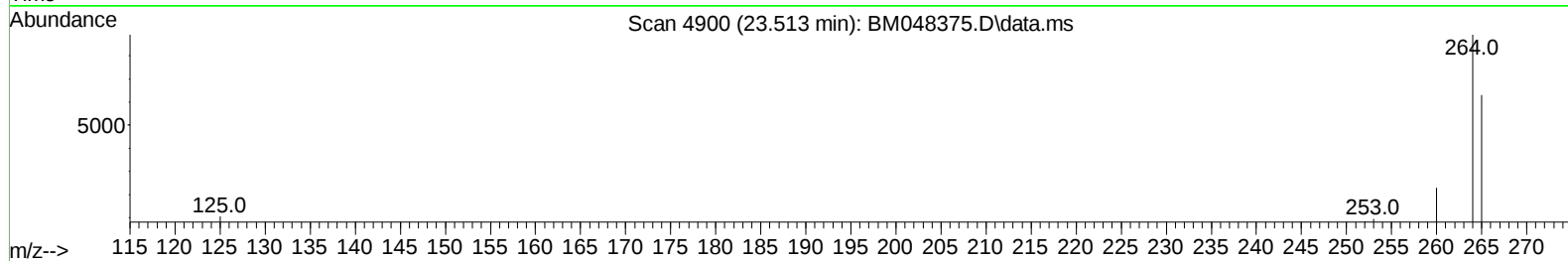
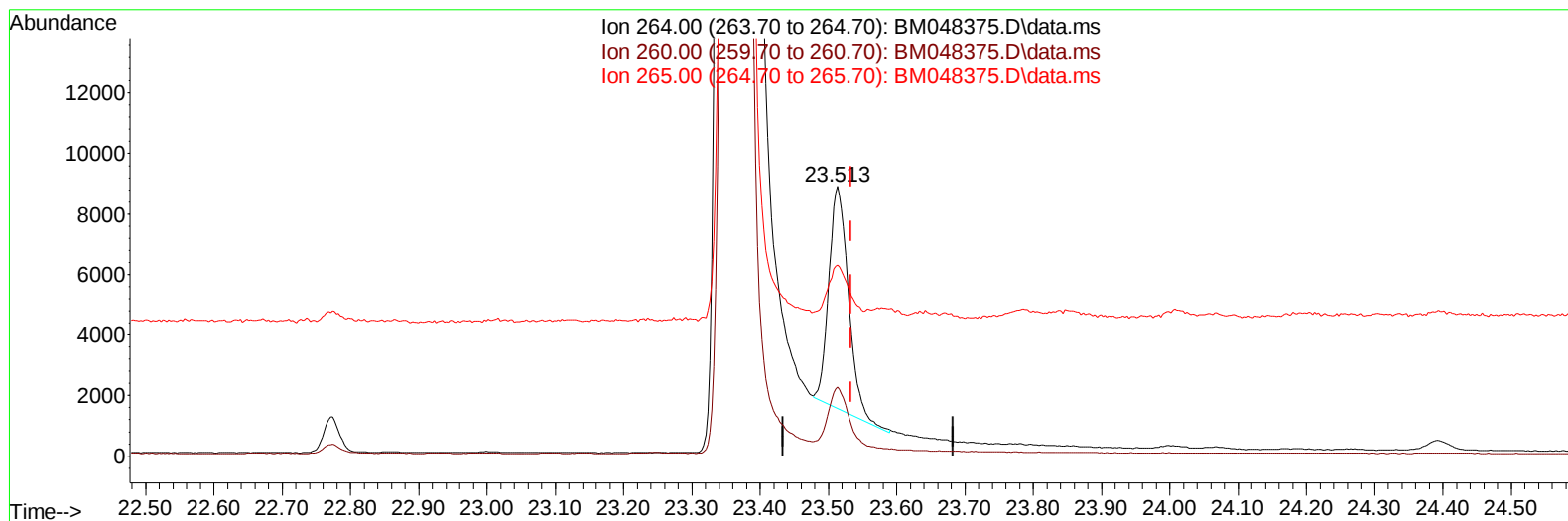
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(23) Perylene-d12 (I)

23.513min (-0.020) 0.40 ng/ul m

response 14536

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.80	25.70
265.00	120.80	70.83#
0.00	0.00	0.00

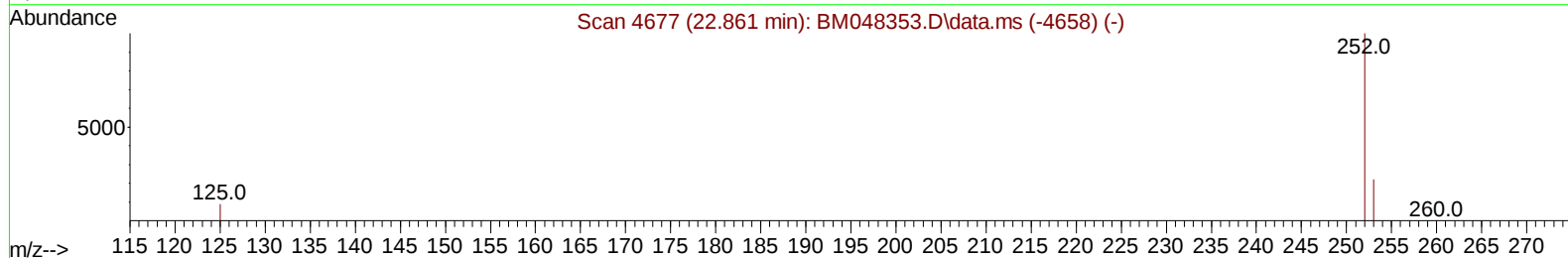
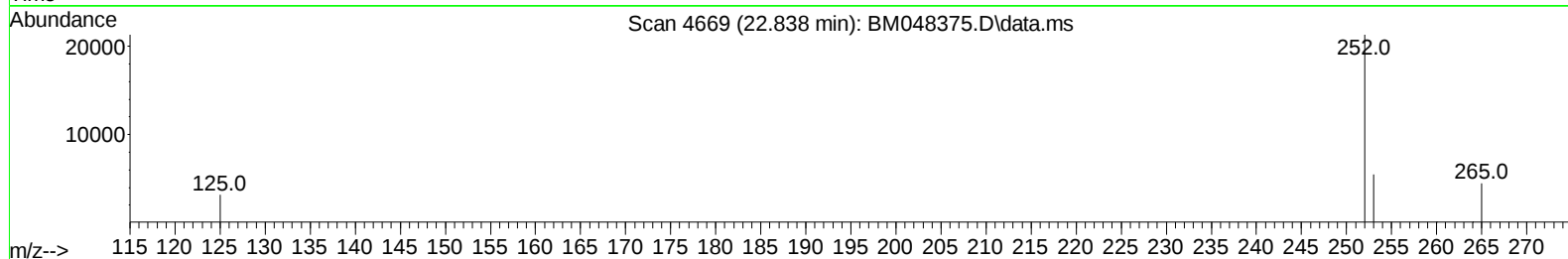
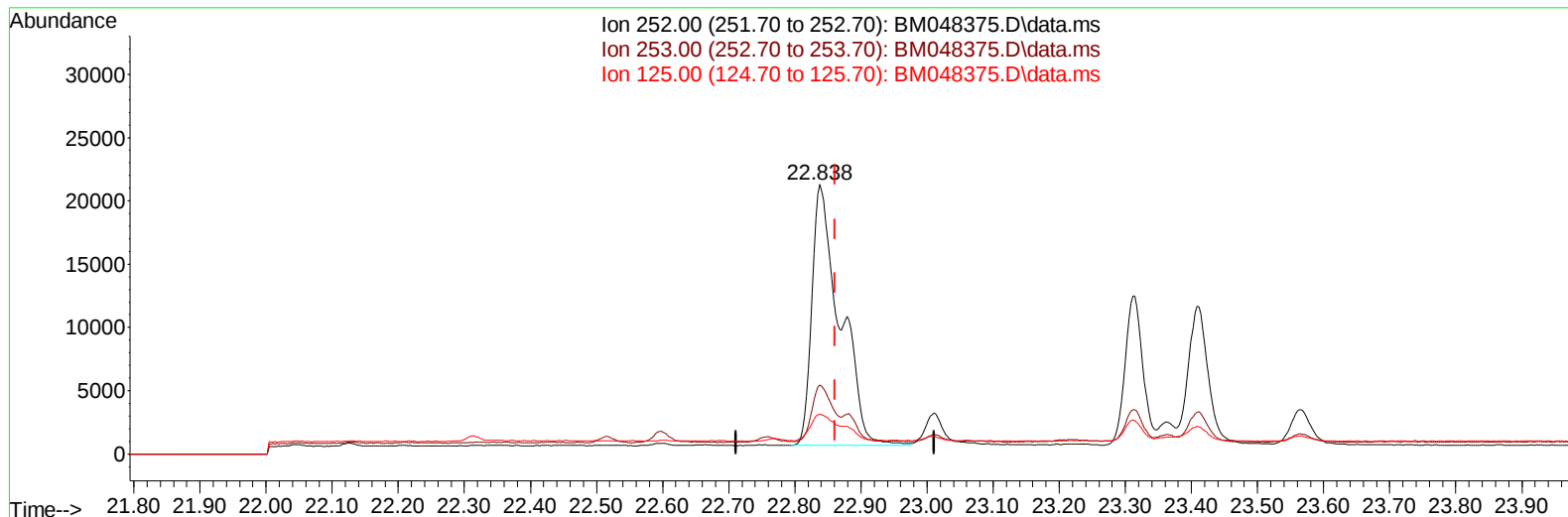
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(24) Benzo(b)fluoranthene

22.838min (-0.023) 1.22 ng/u1

response 60854

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	25.70
125.00	19.00	14.85
0.00	0.00	0.00

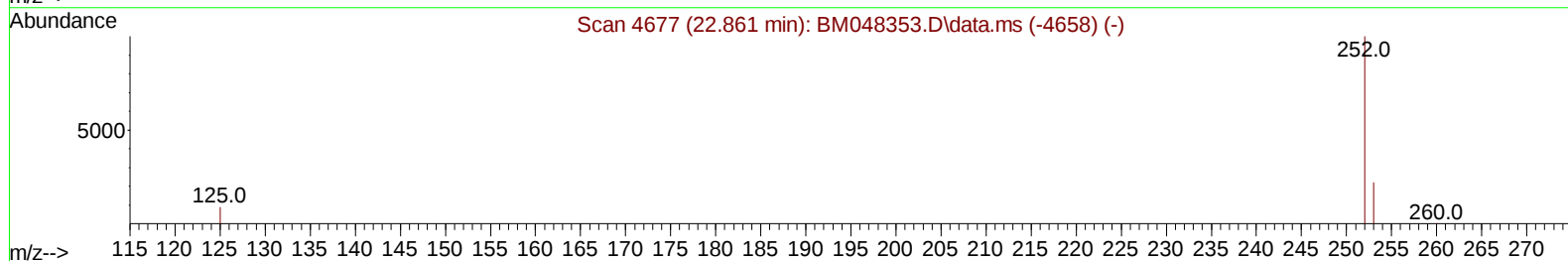
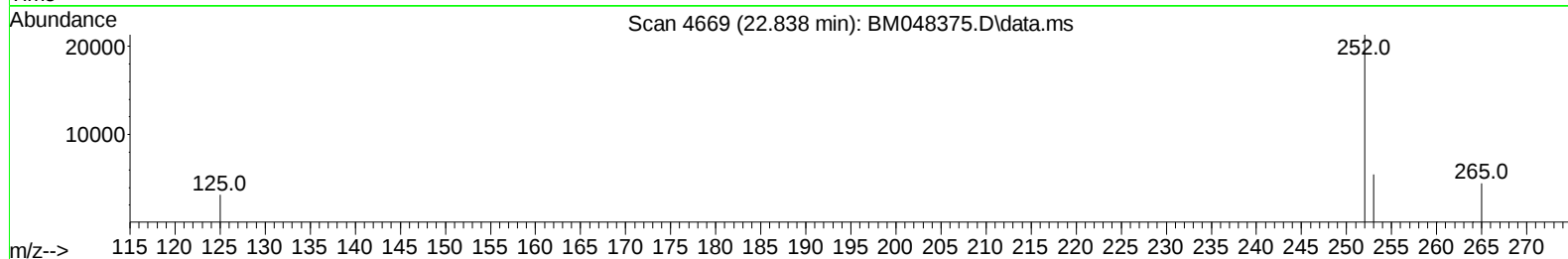
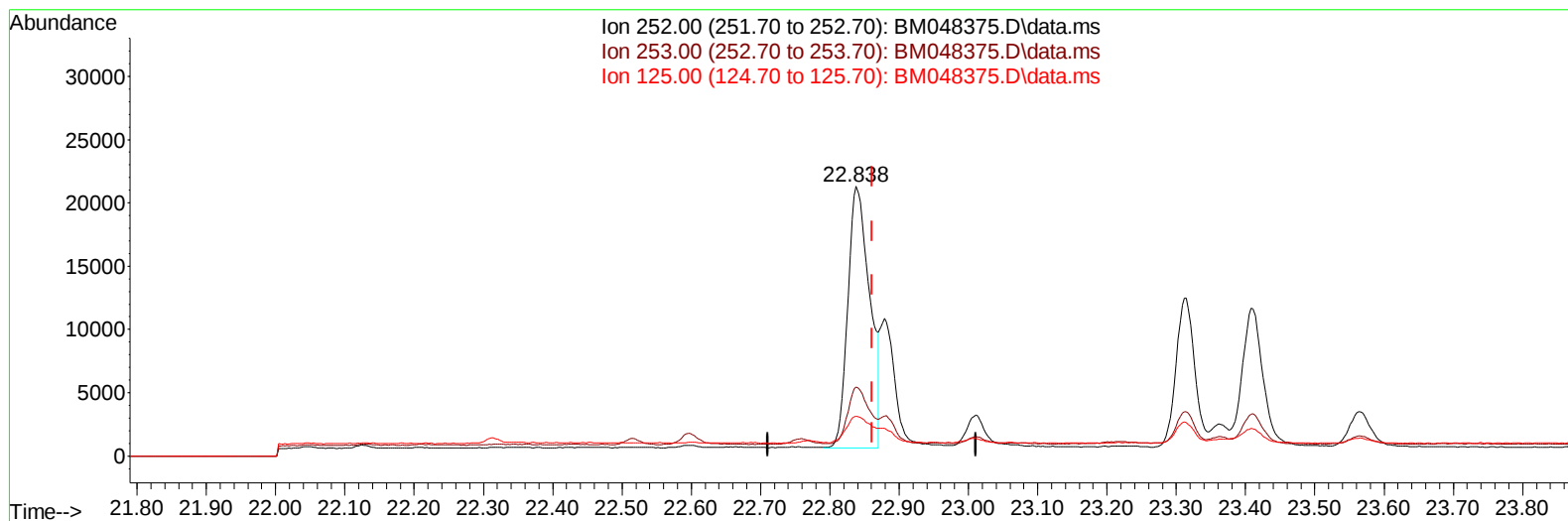
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 2024
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Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(24) Benzo(b)fluoranthene

22.838min (-0.023) 0.92 ng/u1 m

response 45670

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.70	25.70
125.00	19.00	14.85
0.00	0.00	0.00

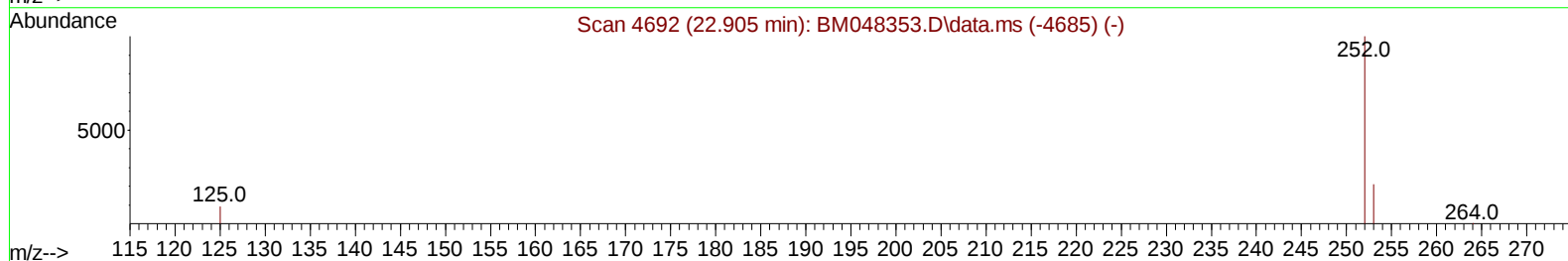
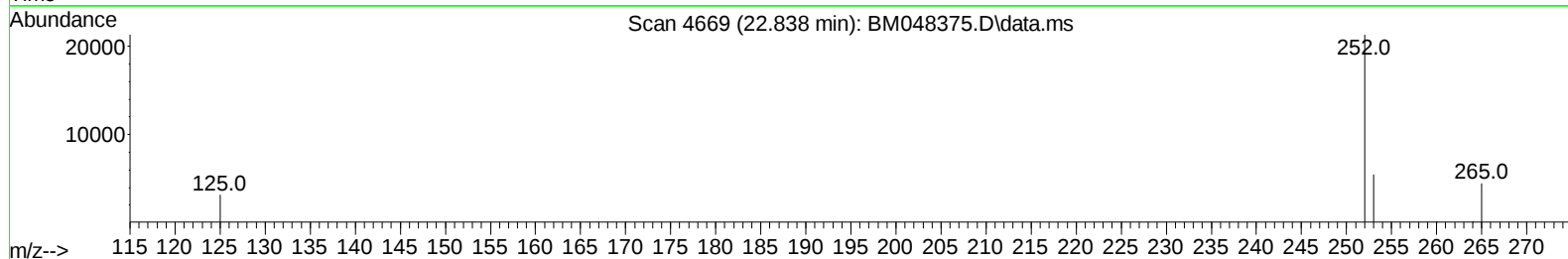
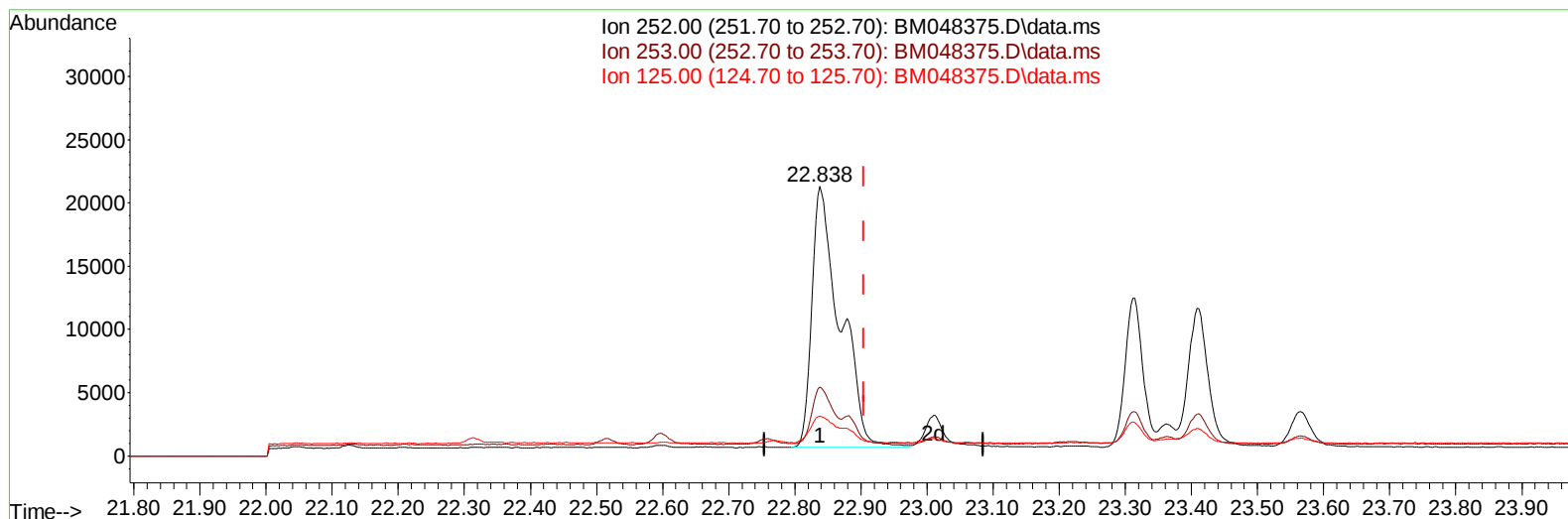
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(25) Benzo(k)fluoranthene

22.838min (-0.067) 1.03 ng/u1

response 60854

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	25.70
125.00	19.10	14.85#
0.00	0.00	0.00

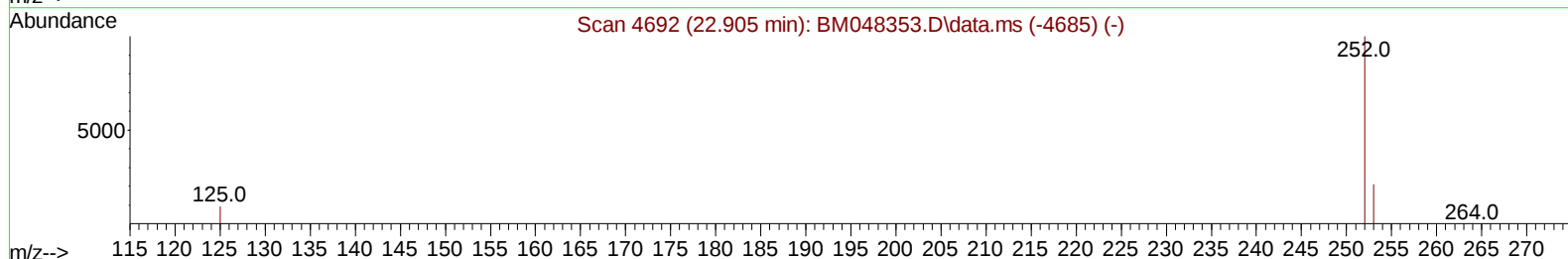
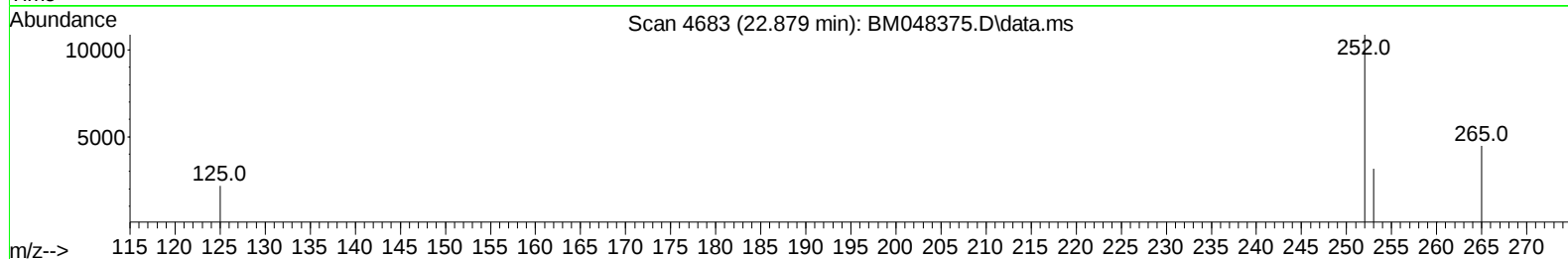
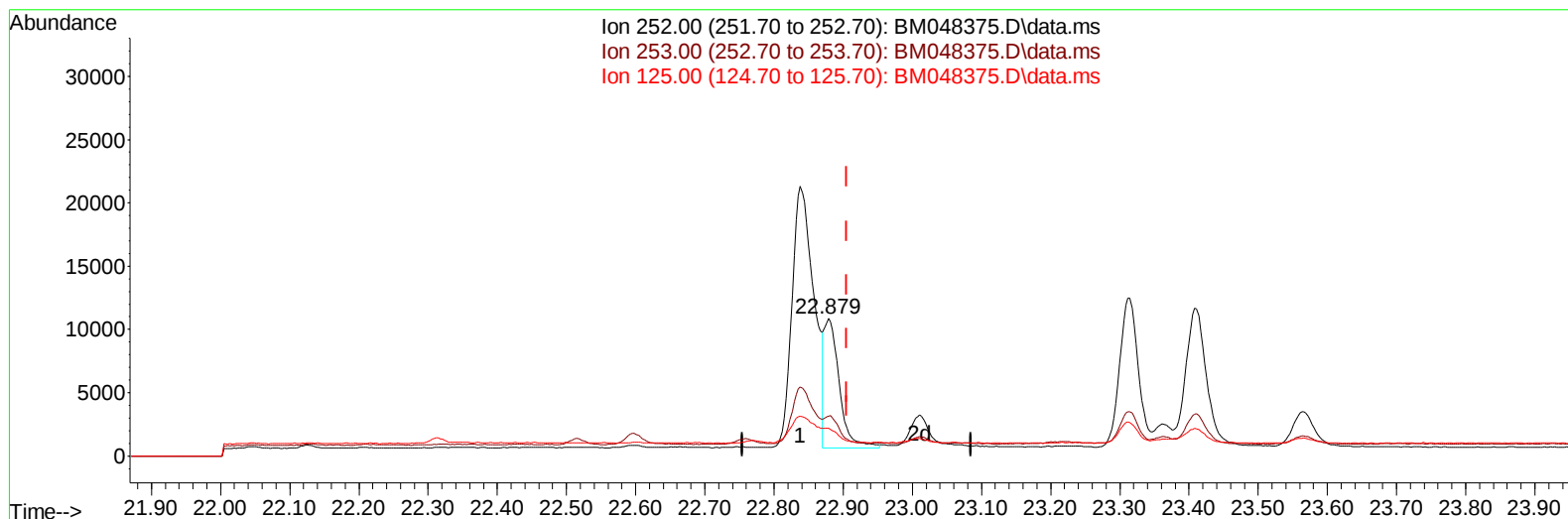
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 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 :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



TIC: BM048375.D\data.ms

(25) Benzo(k)fluoranthene

22.879min (-0.026) 0.26 ng/u1 m

response 15308

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.20	29.05
125.00	19.10	20.10
0.00	0.00	0.00

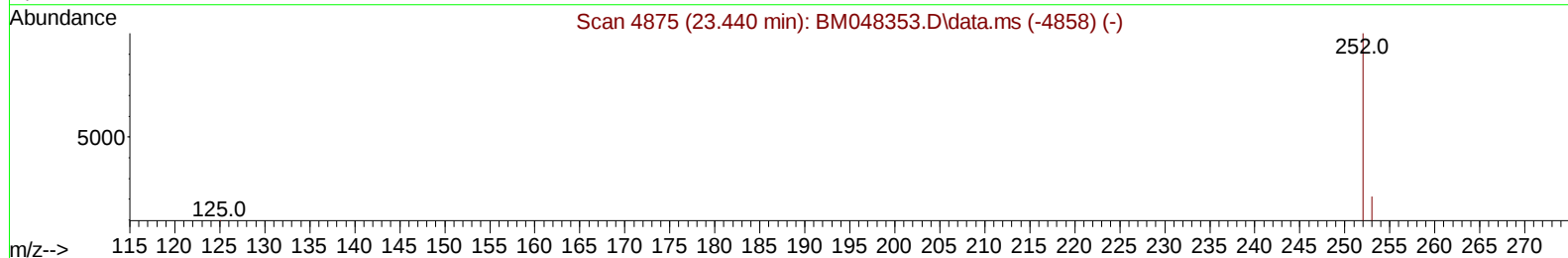
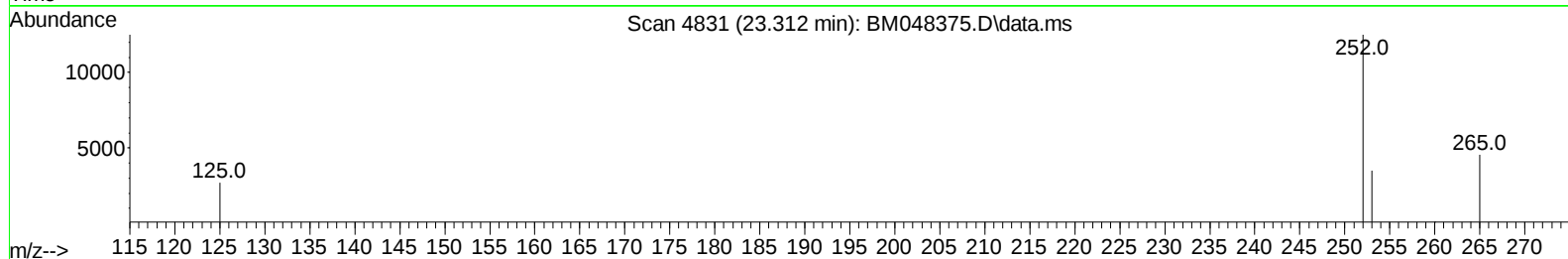
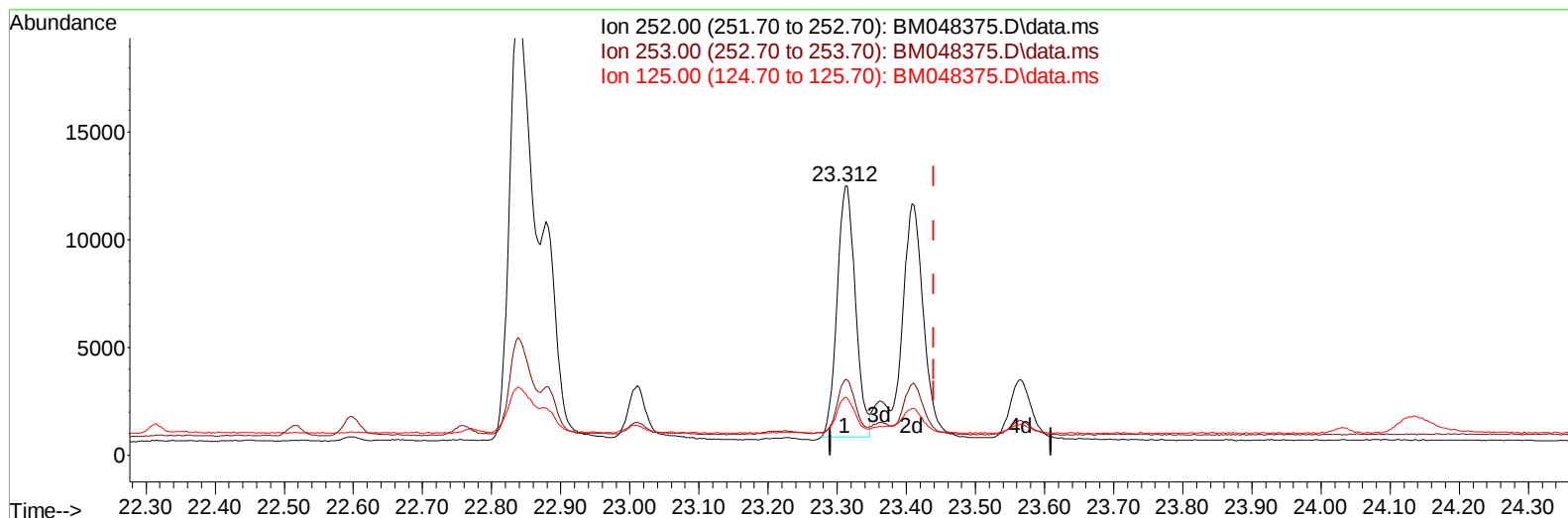
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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TIC: BM048375.D\data.ms

(26) Benzo(a)pyrene (C)

23.312min (-0.128) 0.46 ng/u1

response 21524

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.60	28.13
125.00	26.40	21.65
0.00	0.00	0.00

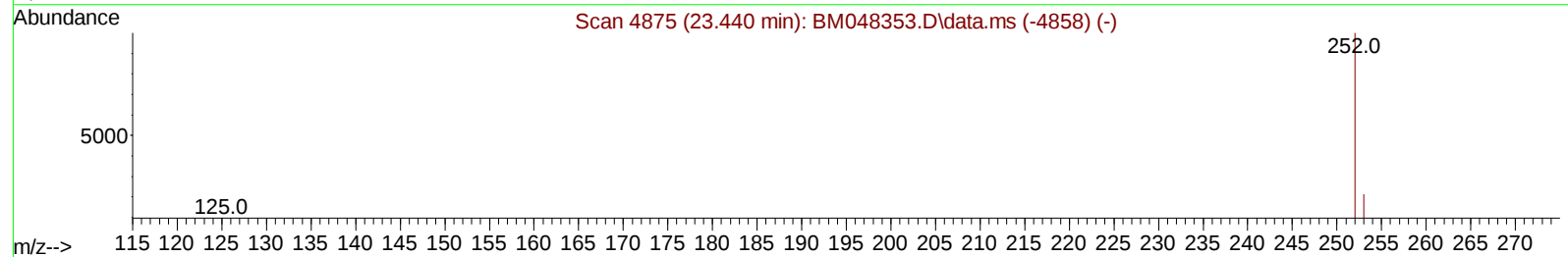
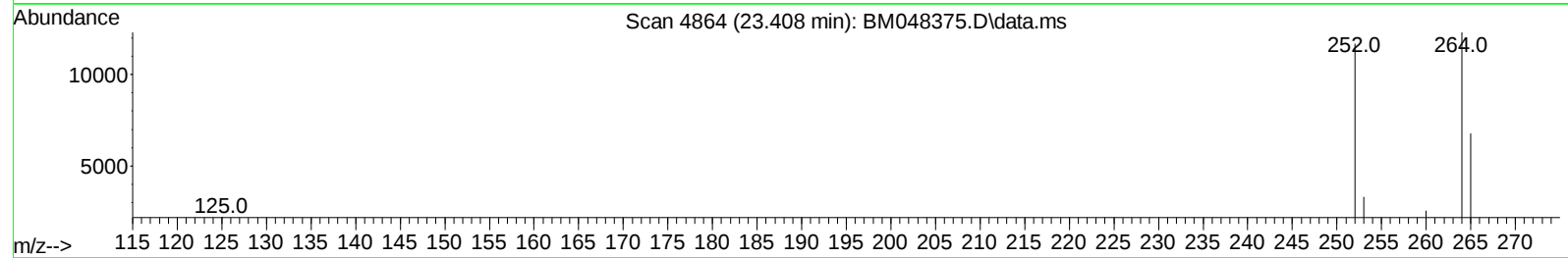
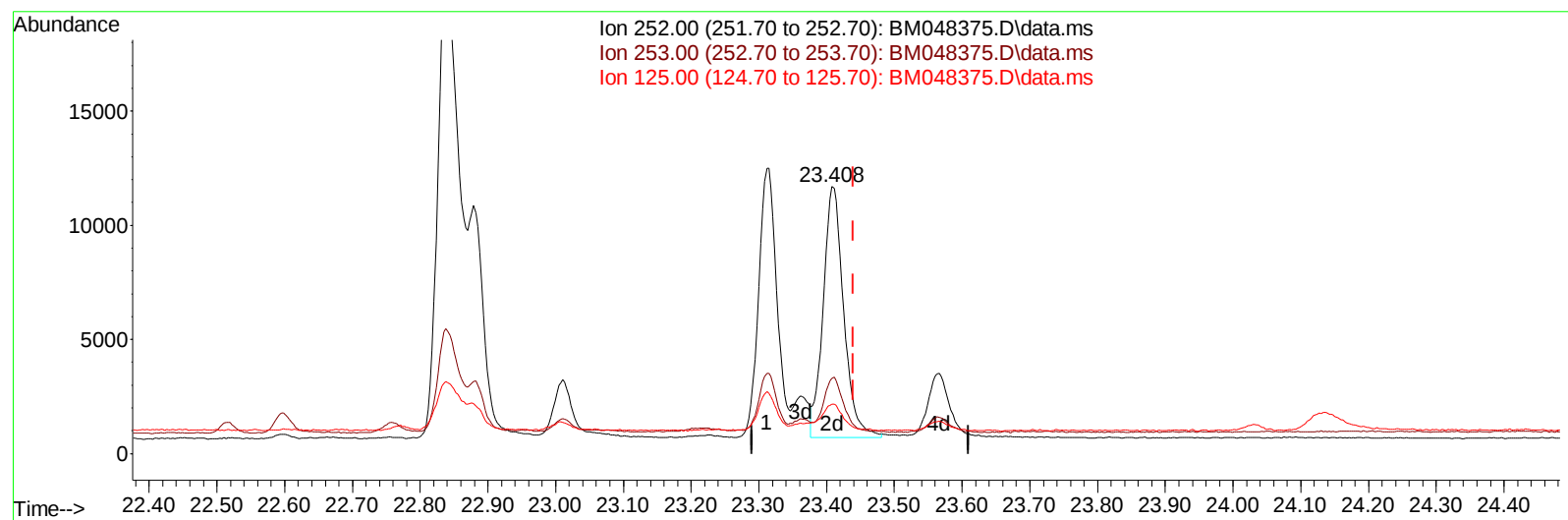
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103124\
Data File : BM048375.D
Acq On : 01 Nov 2024 02:16
Operator : RC/JU
Sample : P4530-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F7H42

Manual IntegrationsAPPROVED

Quant Time: Nov 03 07:04:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM103124.M
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TIC: BM048375.D\data.ms

(26) Benzo(a)pyrene (C)

23.408min (-0.032) 0.50 ng/u1 m

response 23124

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.60	28.18
125.00	26.40	18.62#
0.00	0.00	0.00

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 Data File : BM048375.D
 Acq On : 01 Nov 2024 02:16
 Operator : RC/JU
 Sample : P4530-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F7H42

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 03 07:04:56 2024
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 QLast Update : Thu Oct 31 14:58:12 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.708	152		4606	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.495	136		14797	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.353	164		8289	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.093	188		17176m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.275	240		16018m	0.400	ng/ul	-0.02
23) Perylene-d12	23.513	264		14536m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.164	96		16997	3.005	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.117	152		4113	0.218	ng/ul	-0.02
18) Fluoranthene-d10	19.126	212		11447	0.281	ng/ul	-0.01
Target Compounds							
							Qvalue
10) Acenaphthylene	14.070	152		3167	0.099	ng/ul	94
15) Phenanthrene	17.136	178		2377m	0.056	ng/ul	
16) Anthracene	17.224	178		3442m	0.086	ng/ul	
19) Fluoranthene	19.154	202		30090	0.545	ng/ul	99
20) Pyrene	19.512	202		42356	0.715	ng/ul	98
21) Benzo(a)anthracene	21.260	228		20824	0.434	ng/ul	98
22) Chrysene	21.313	228		26458	0.401	ng/ul	98
24) Benzo(b)fluoranthene	22.838	252		45670m	0.919	ng/ul	
25) Benzo(k)fluoranthene	22.879	252		15308m	0.260	ng/ul	
26) Benzo(a)pyrene	23.408	252		23124m	0.496	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.786	276		18182	0.279	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.793	278		4253	0.084	ng/ul#	73
29) Benzo(g,h,i)perylene	26.483	276		17834	0.324	ng/ul	100

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

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