

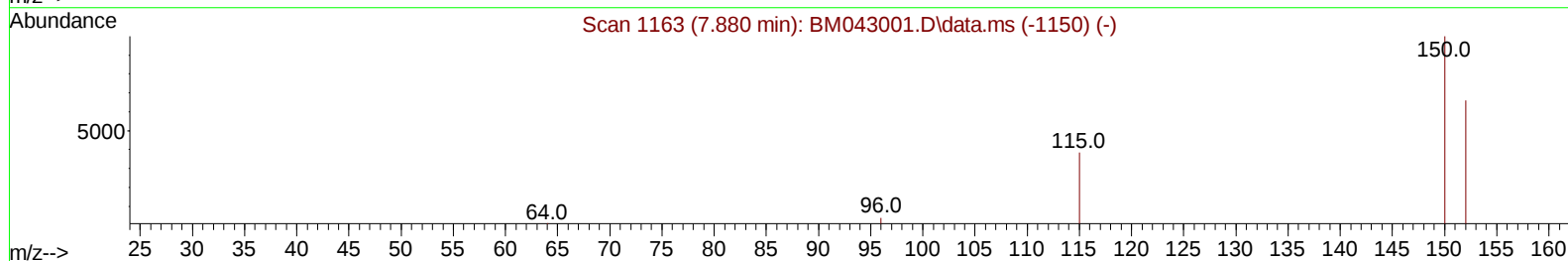
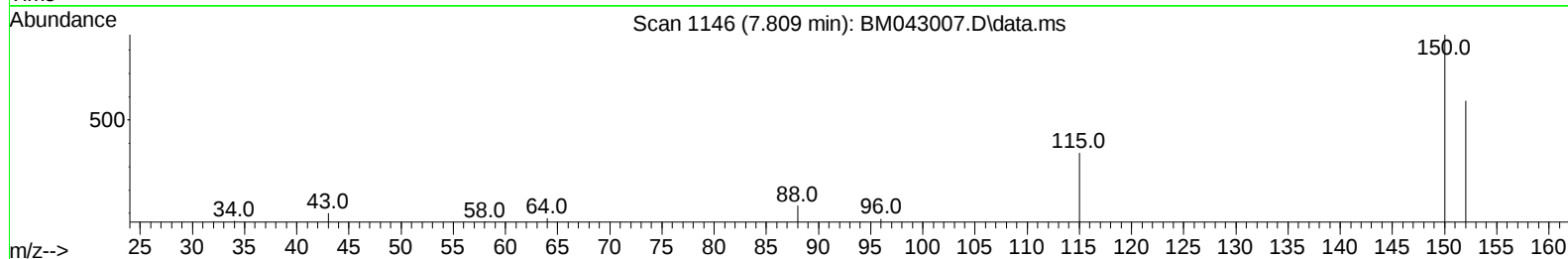
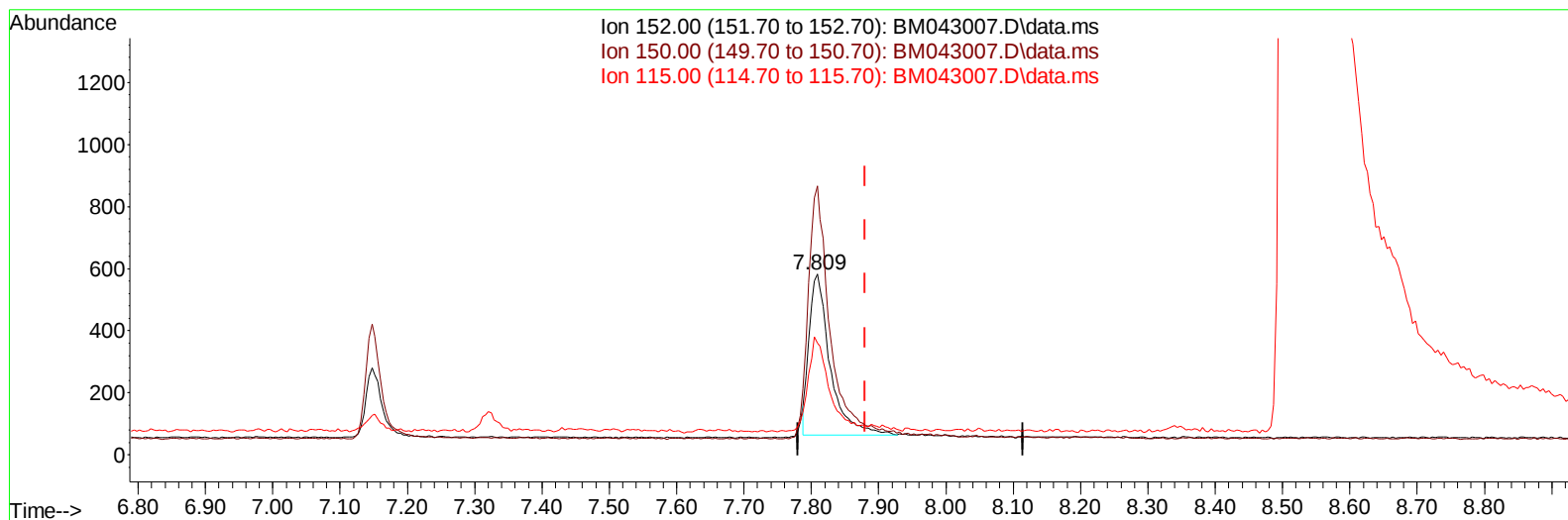
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

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

7.809min (-0.071) 0.40 ng/u1

response 1126

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	148.80
115.00	89.60	62.03#
0.00	0.00	0.00

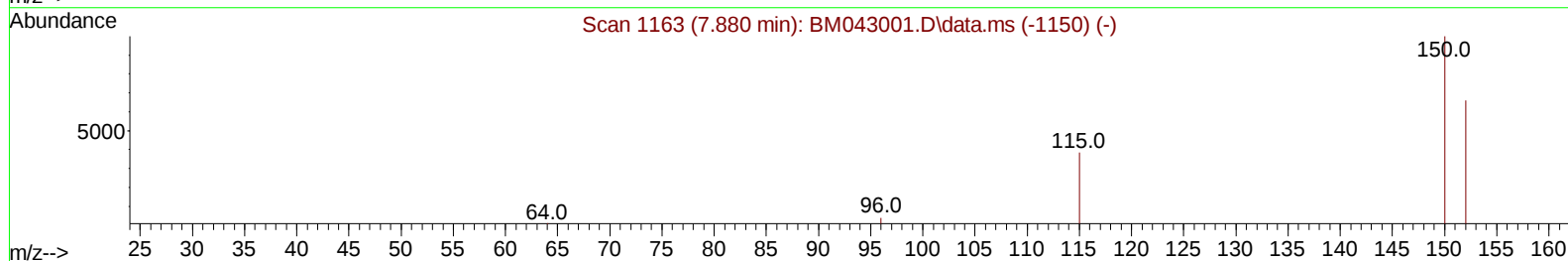
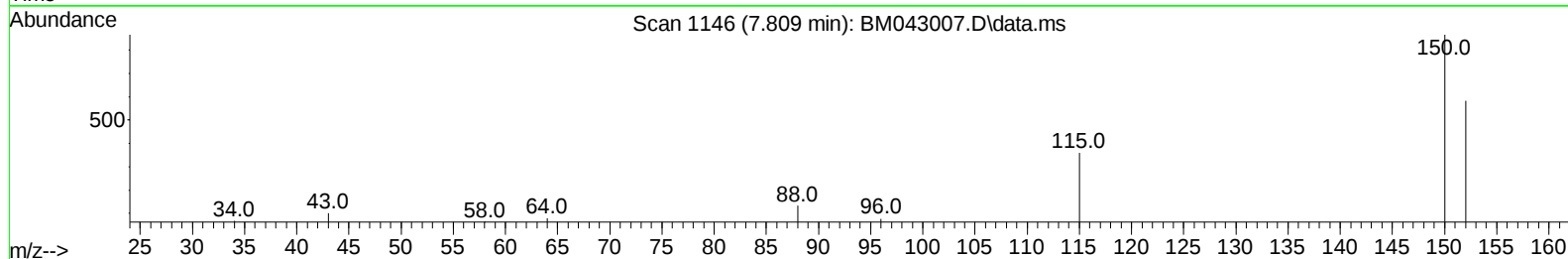
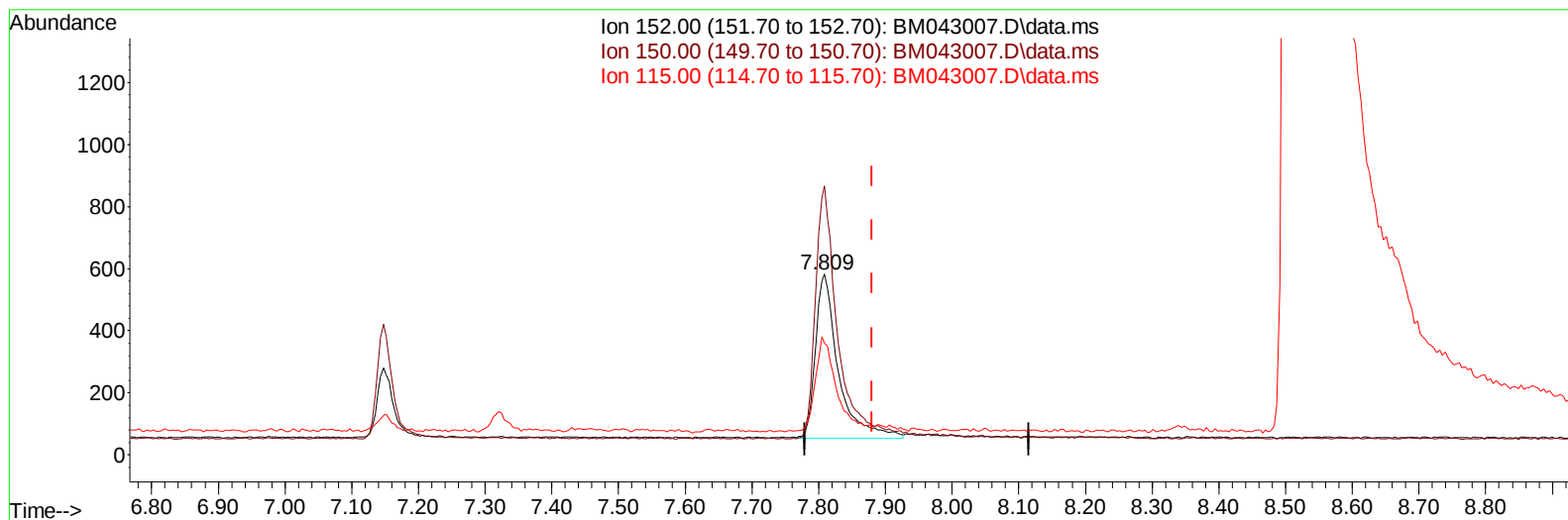
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
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Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

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

7.809min (-0.071) 0.40 ng/ul m

response 1266

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	148.80
115.00	89.60	62.03#
0.00	0.00	0.00

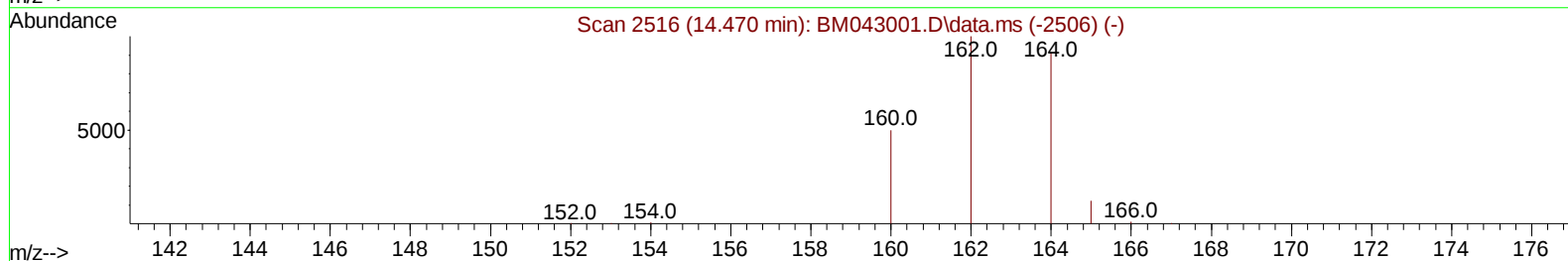
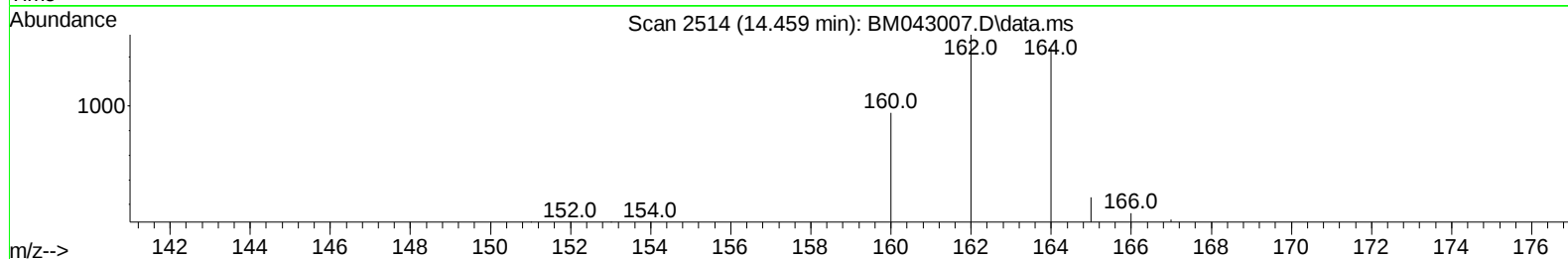
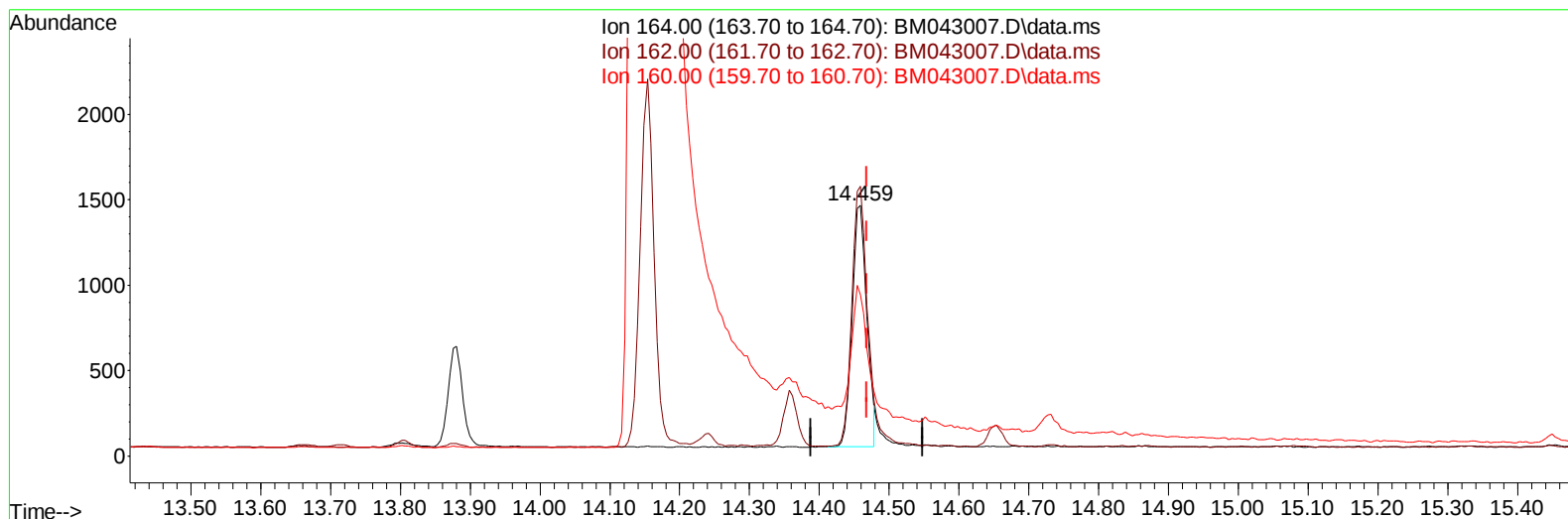
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
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Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(9) Acenaphthene-d10 (I)

14.459min (-0.009) 0.40 ng/u1

response 2071

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	107.49
160.00	57.20	64.31
0.00	0.00	0.00

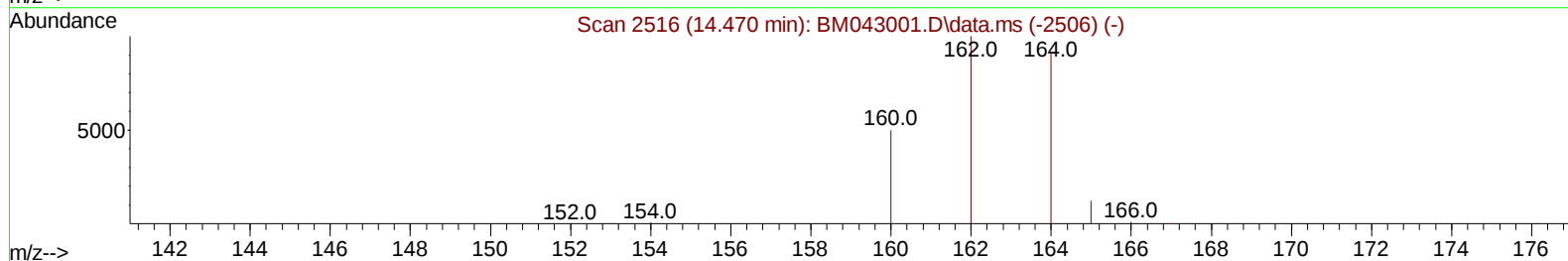
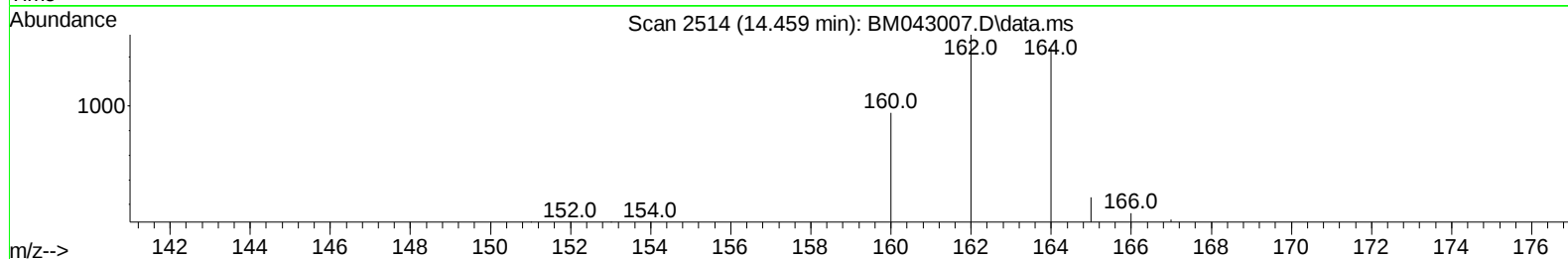
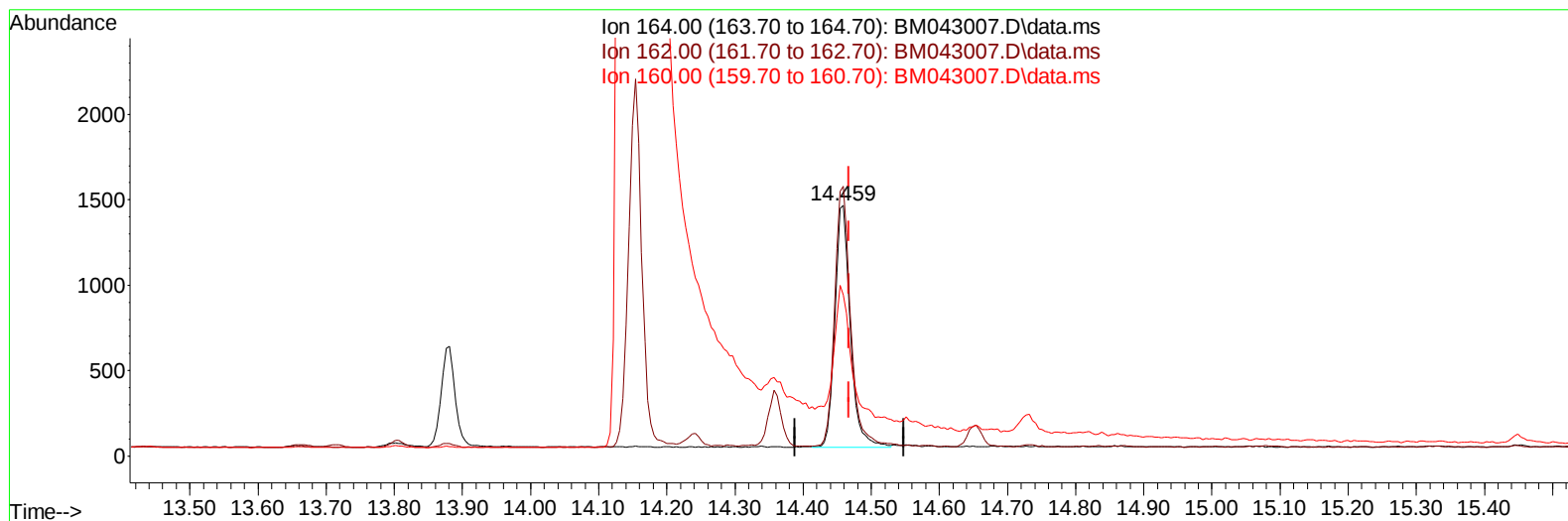
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(9) Acenaphthene-d10 (I)

14.459min (-0.009) 0.40 ng/u1 m

response 2222

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	107.49
160.00	57.20	64.31
0.00	0.00	0.00

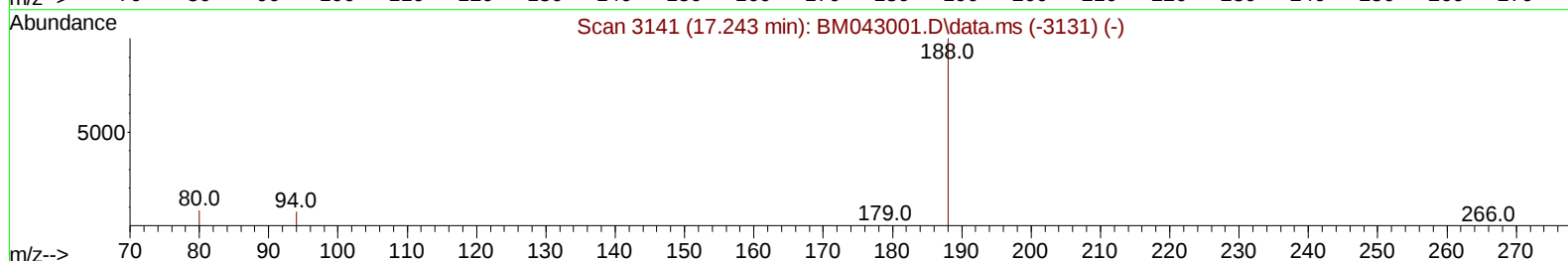
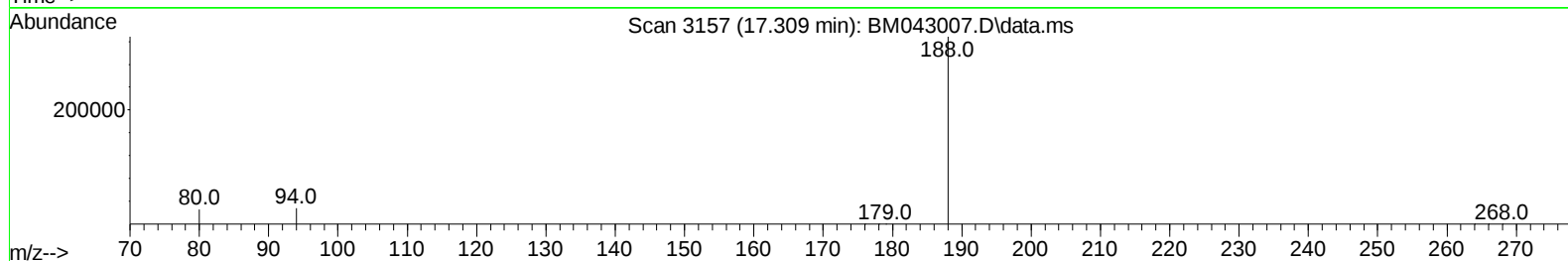
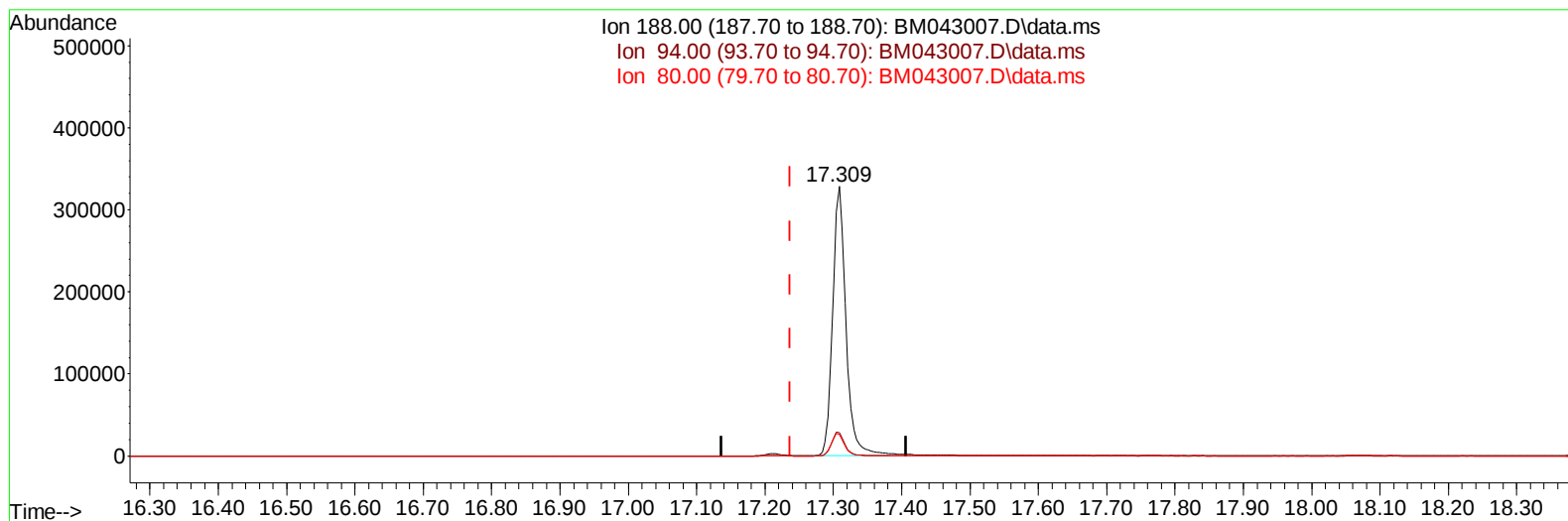
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM043007.D\data.ms

(13) Phenanthrene-d10 (I)

17.309min (+ 0.072) 0.40 ng/u1

response 447284

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.65#
80.00	12.70	7.95#
0.00	0.00	0.00

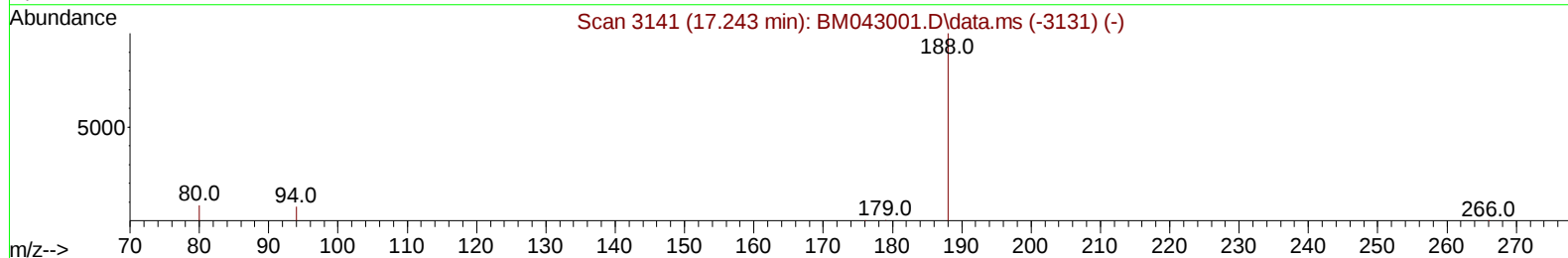
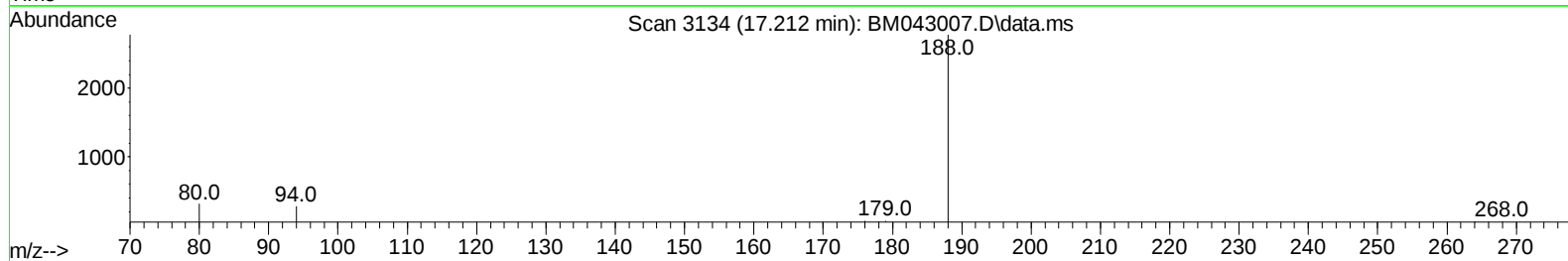
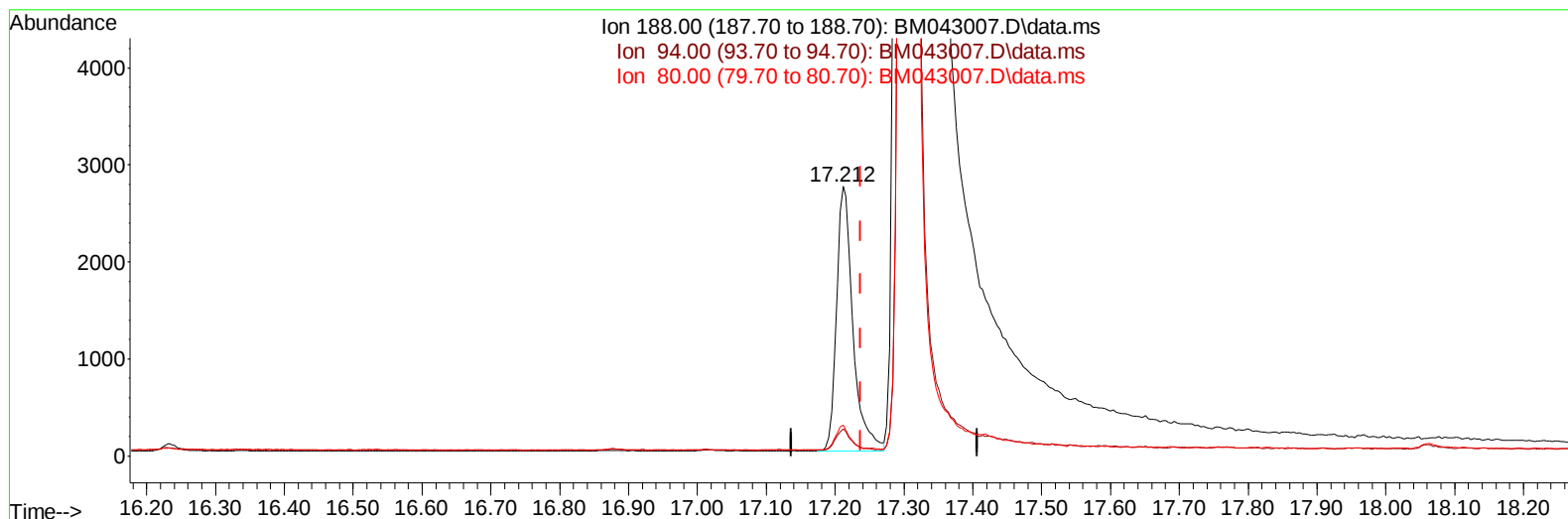
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(13) Phenanthrene-d10 (I)

17.212min (-0.025) 0.40 ng/ul m

response 4532

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	10.04
80.00	12.70	11.38
0.00	0.00	0.00

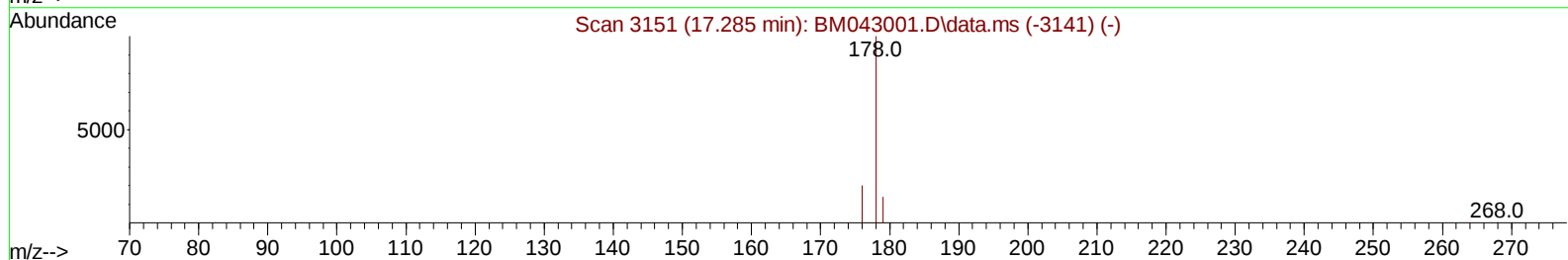
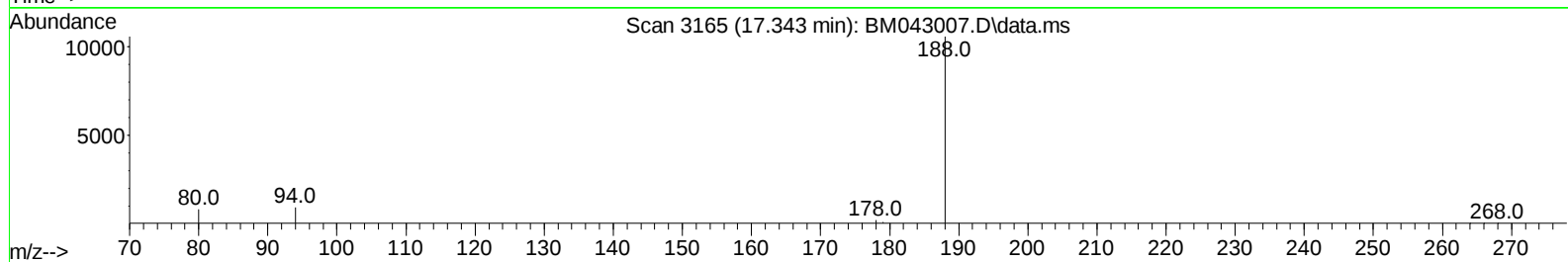
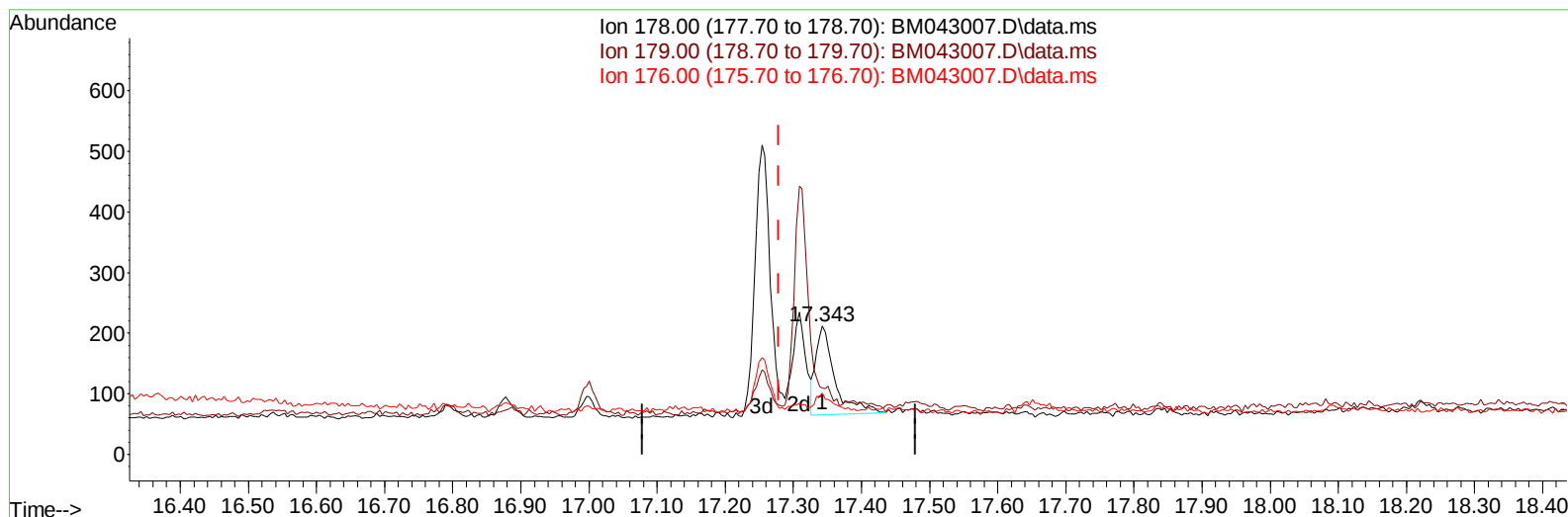
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
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 QLast Update : Mon Nov 27 02:36:19 2023
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Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(15) Phenanthrene

17.343min (+ 0.063) 0.02 ng/u1

response 282

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	51.89#
176.00	23.60	47.64#
0.00	0.00	0.00

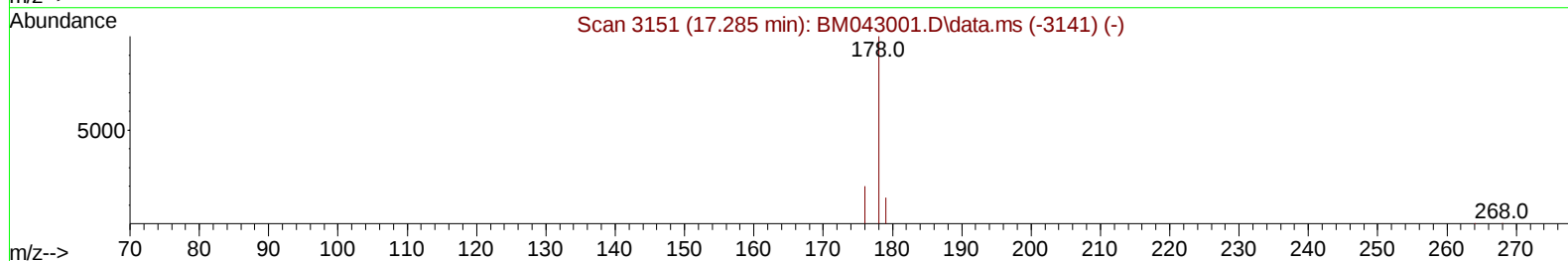
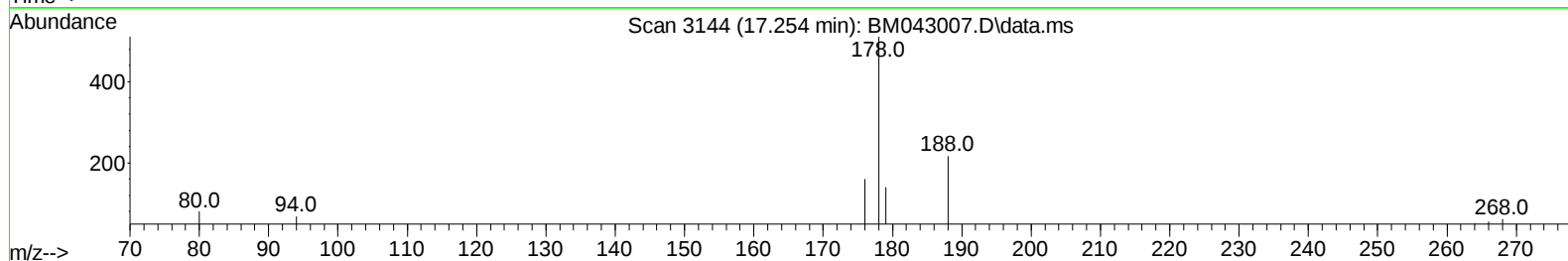
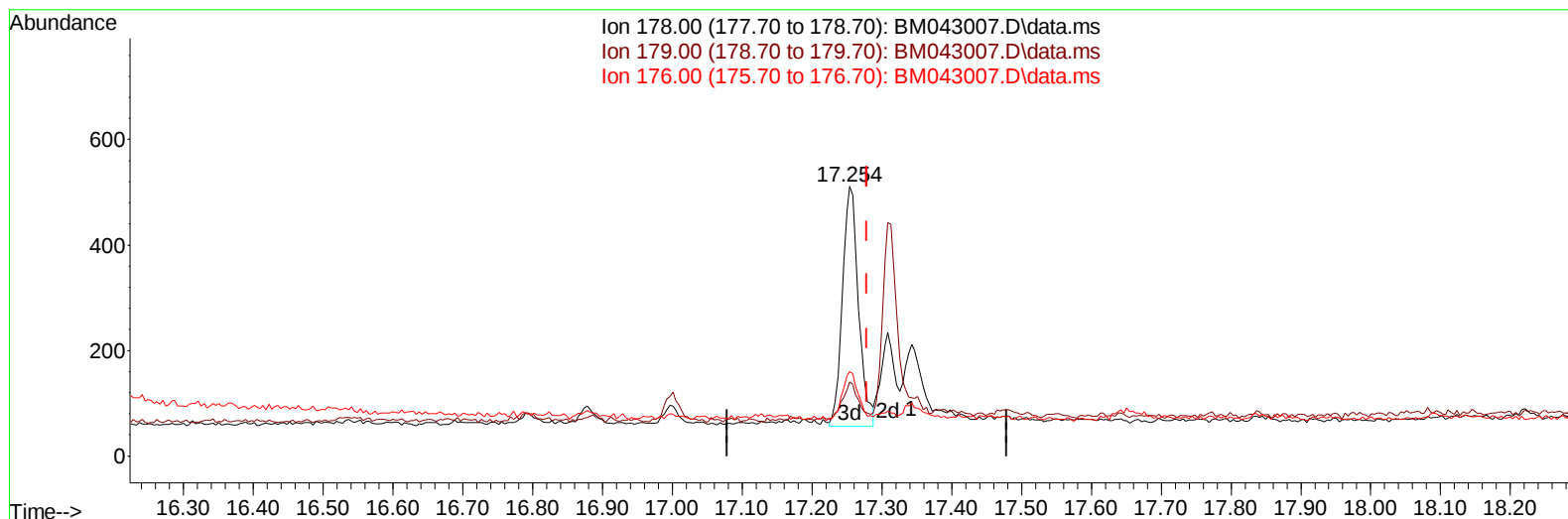
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(15) Phenanthrene

17.254min (-0.025) 0.06 ng/u1 m

response 734

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	27.40#
176.00	23.60	31.31#
0.00	0.00	0.00

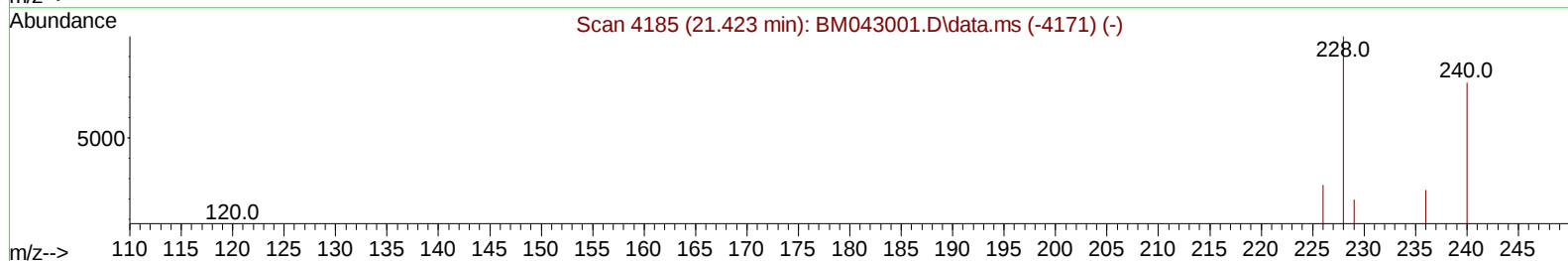
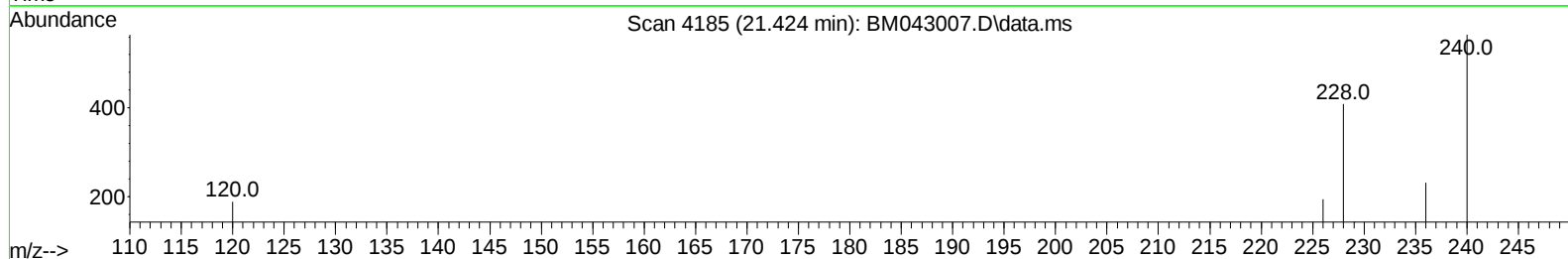
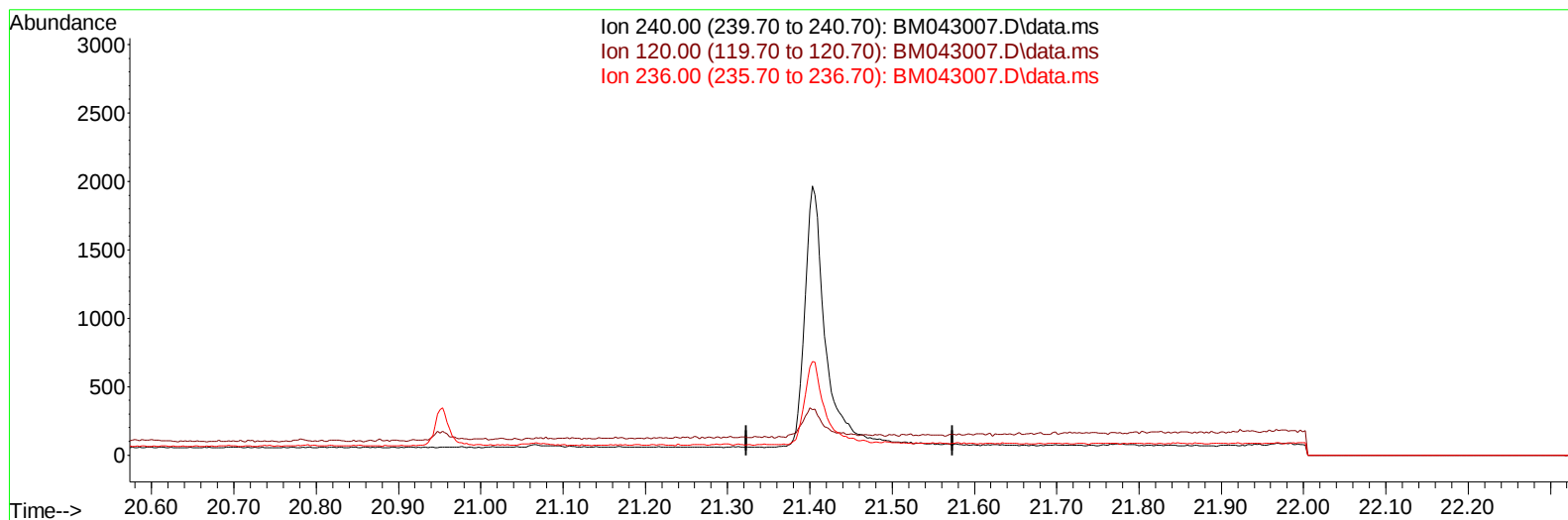
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM043007.D\data.ms

(17) Chrysene-d12

21.424min (-21.424) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	38.50	0.00#
0.00	0.00	0.00

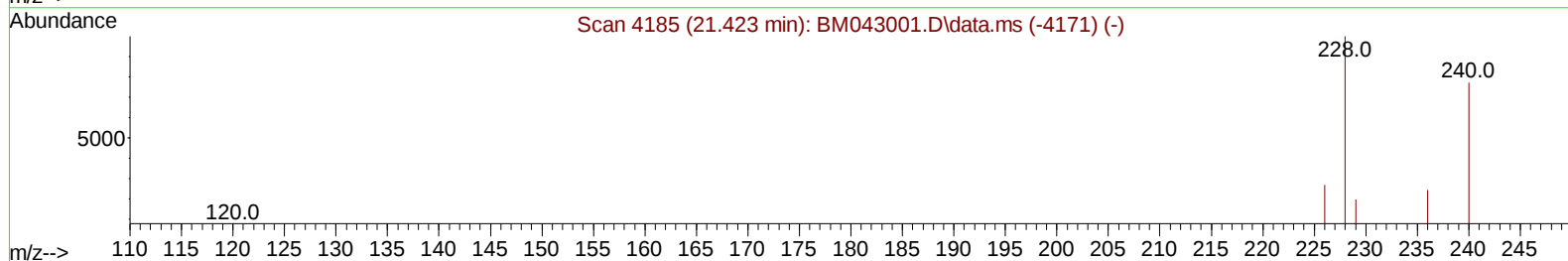
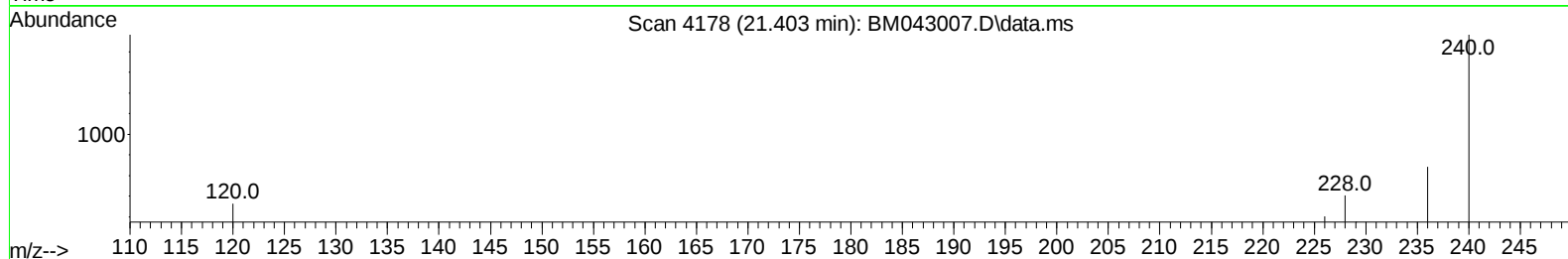
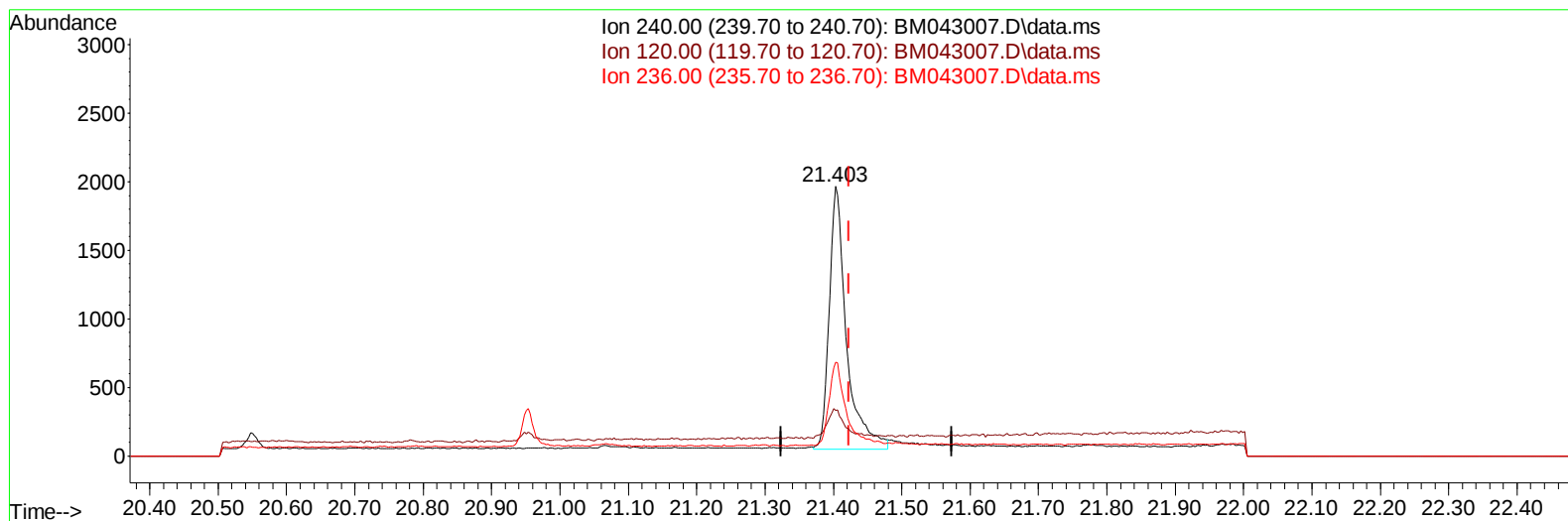
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(17) Chrysene-d12

21.403min (-0.020) 0.40 ng/ul m

response 3364

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	16.79#
236.00	38.50	34.84
0.00	0.00	0.00

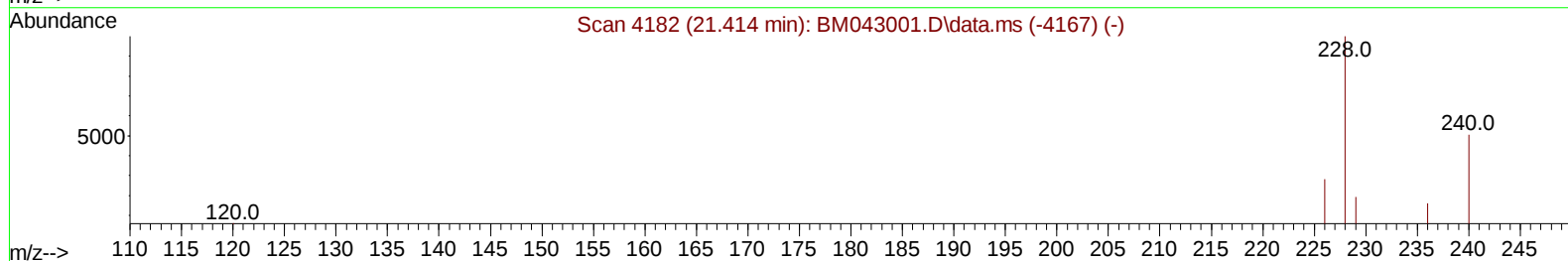
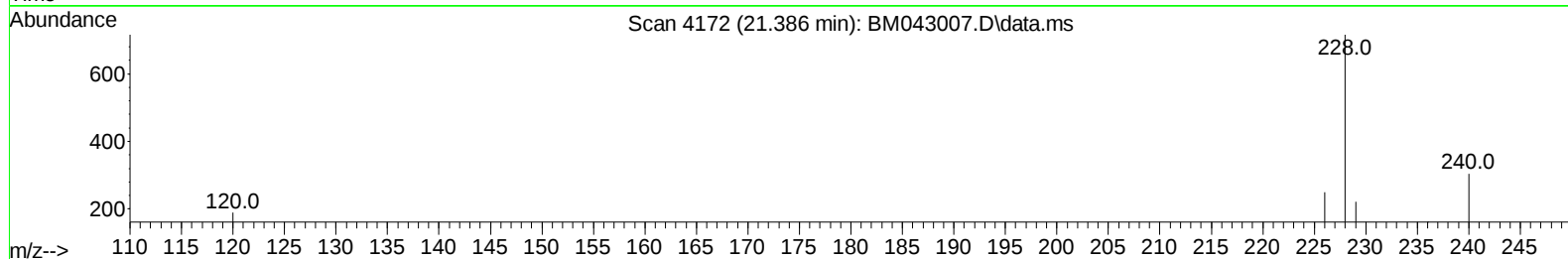
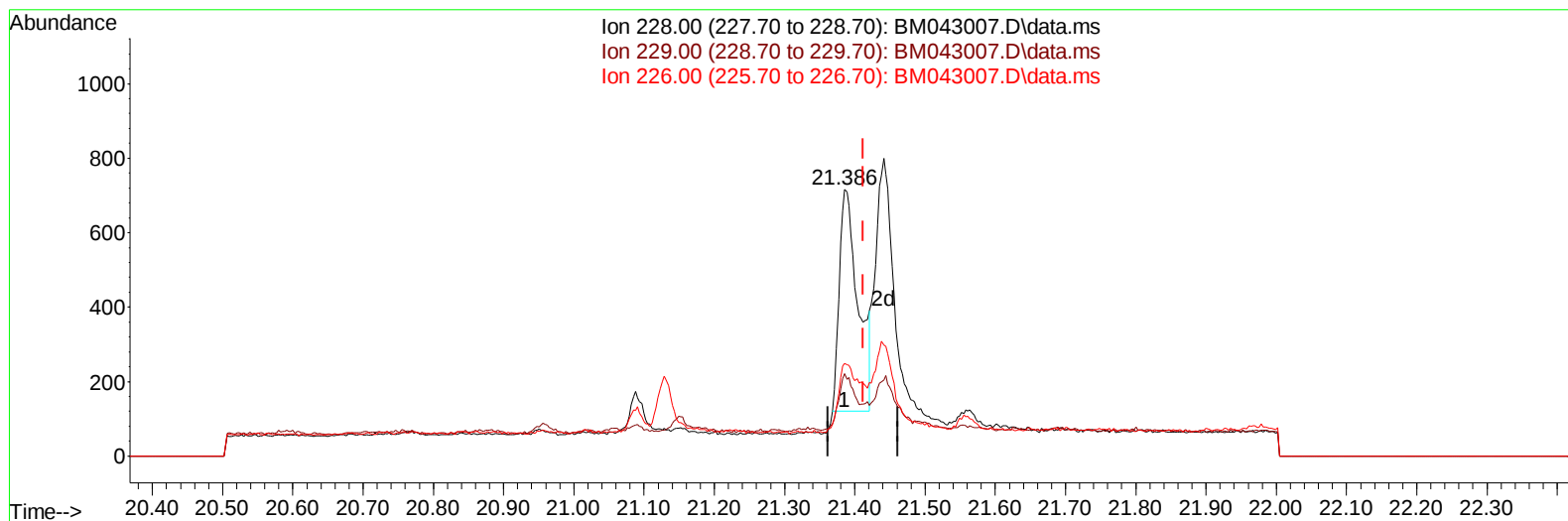
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
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TIC: BM043007.D\data.ms

(21) Benzo(a)anthracene

21.386min (-0.026) 0.10 ng/u1

response 1100

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	31.01#
226.00	31.10	34.78
0.00	0.00	0.00

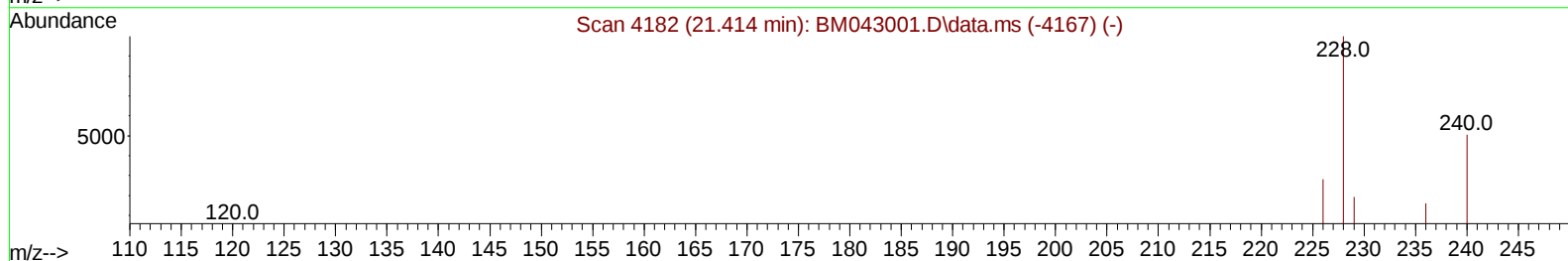
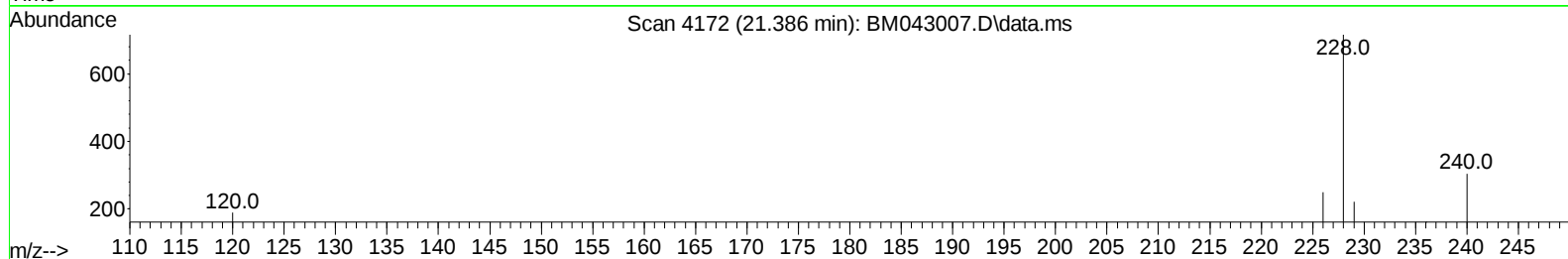
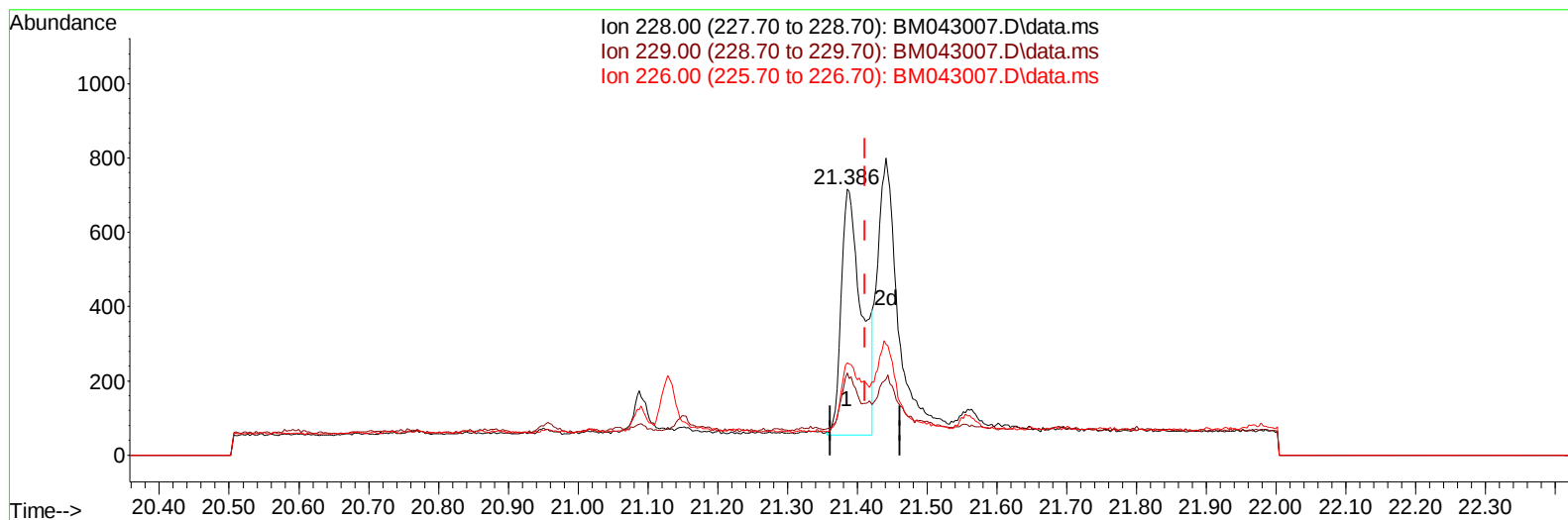
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
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 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(21) Benzo(a)anthracene

21.386min (-0.026) 0.12 ng/ul m

response 1326

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	31.01#
226.00	31.10	34.78
0.00	0.00	0.00

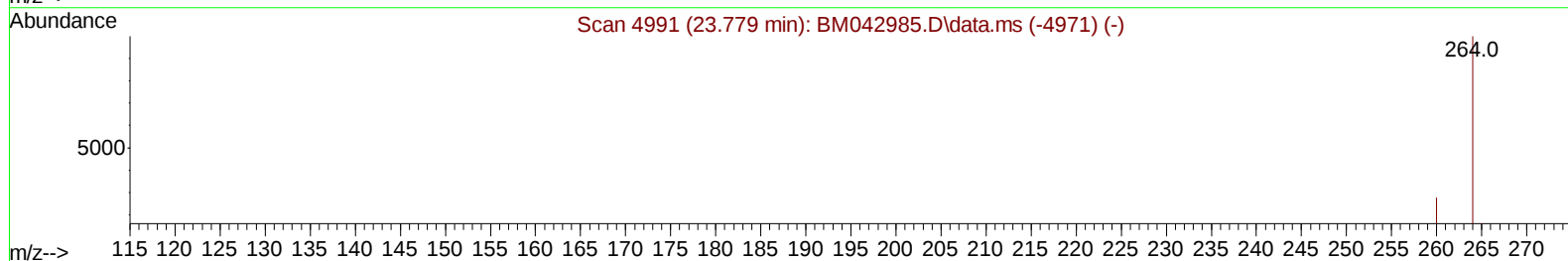
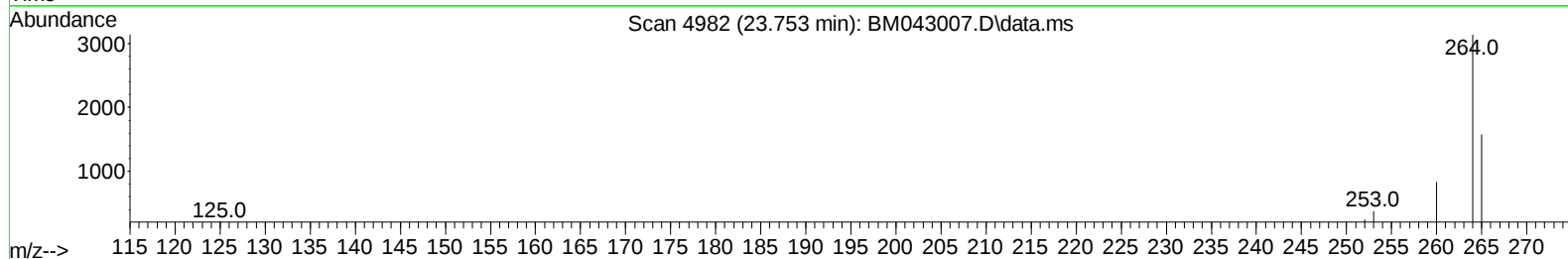
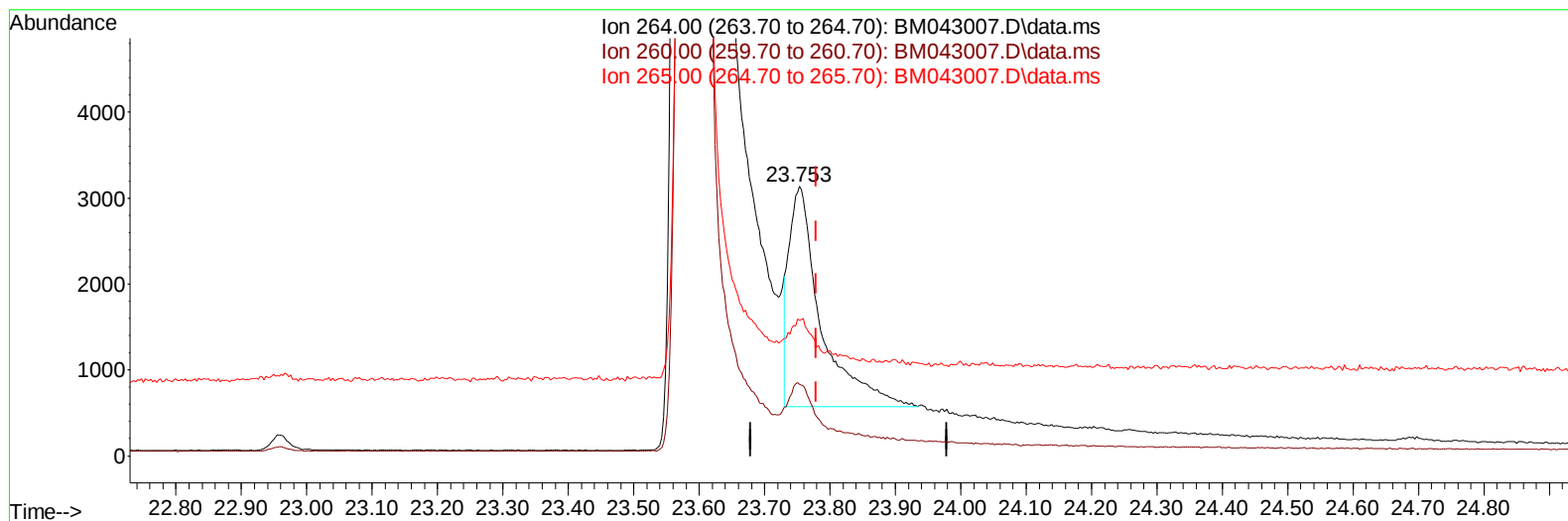
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 23:03:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(23) Perylene-d12 (I)

23.753min (-0.026) 0.40 ng/u1

response 8758

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	26.44#
265.00	120.30	50.40#
0.00	0.00	0.00

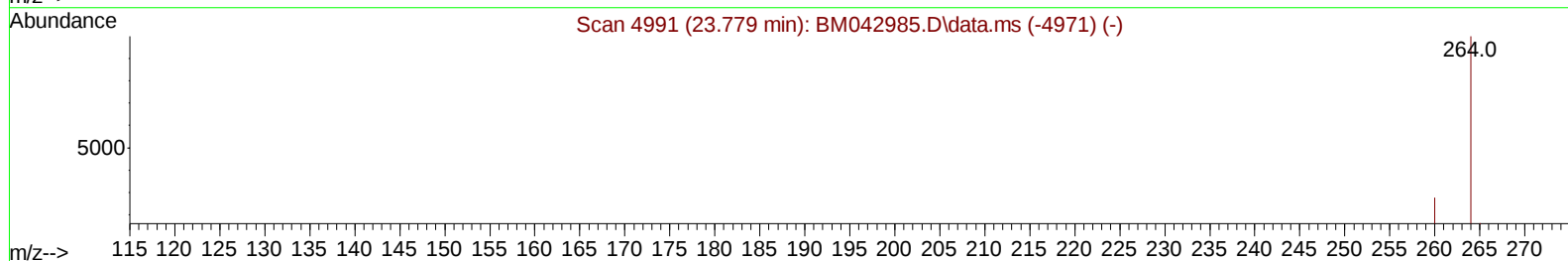
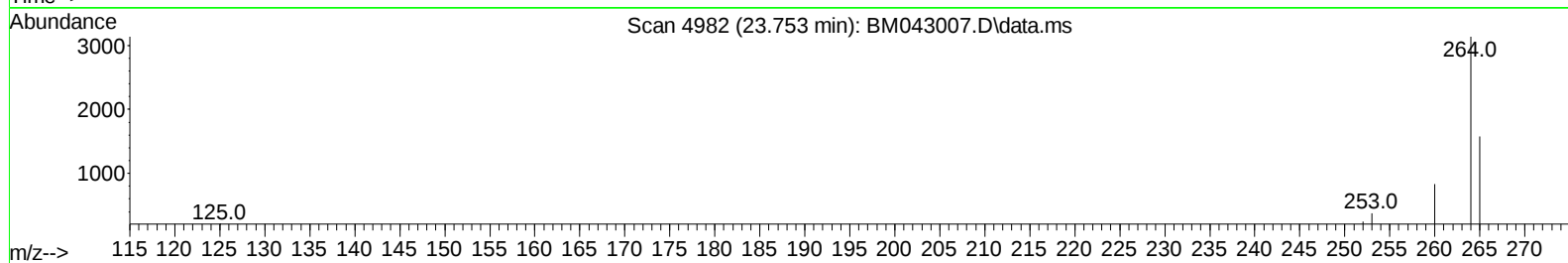
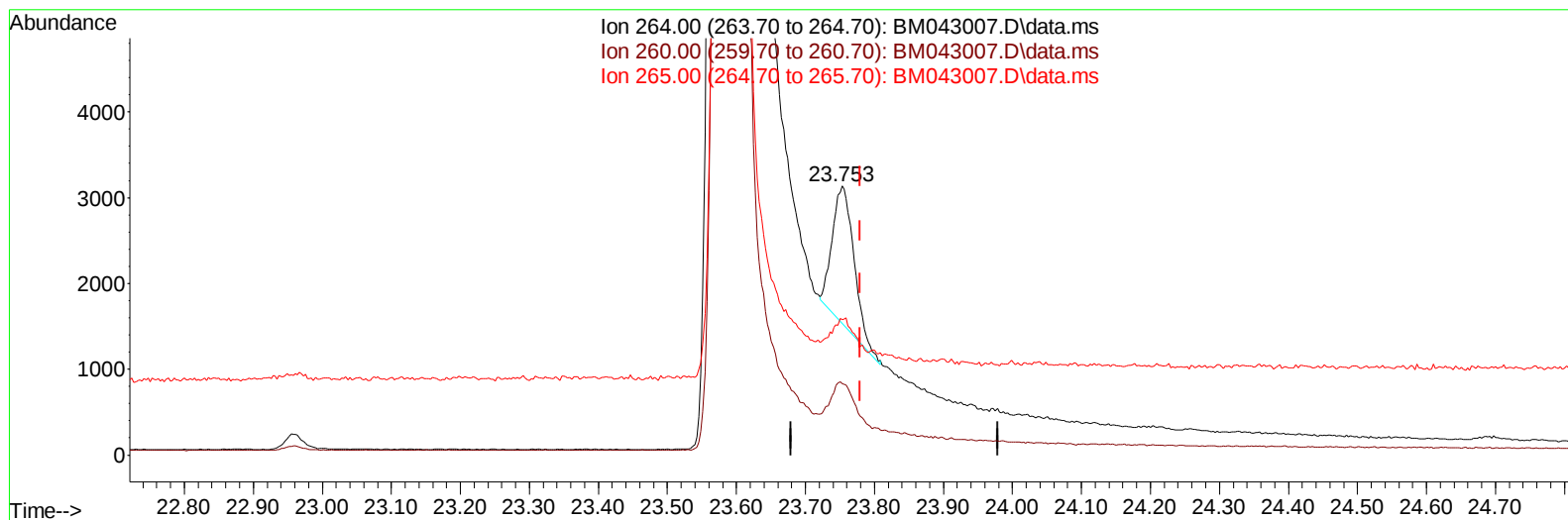
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
 Data File : BM043007.D
 Acq On : 25 Nov 2023 09:02
 Operator : MA/JU
 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 02:42:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 02:36:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(23) Perylene-d12 (I)

23.753min (-0.026) 0.40 ng/ul m

response 3430

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	26.44#
265.00	120.30	50.40#
0.00	0.00	0.00

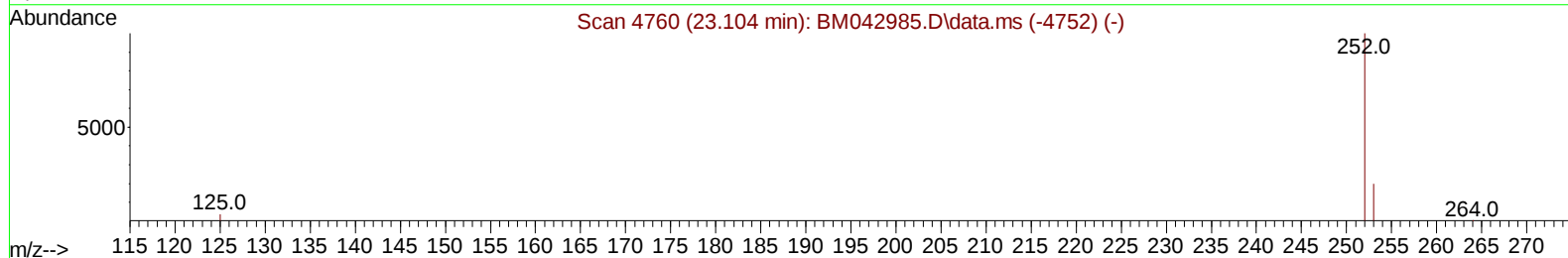
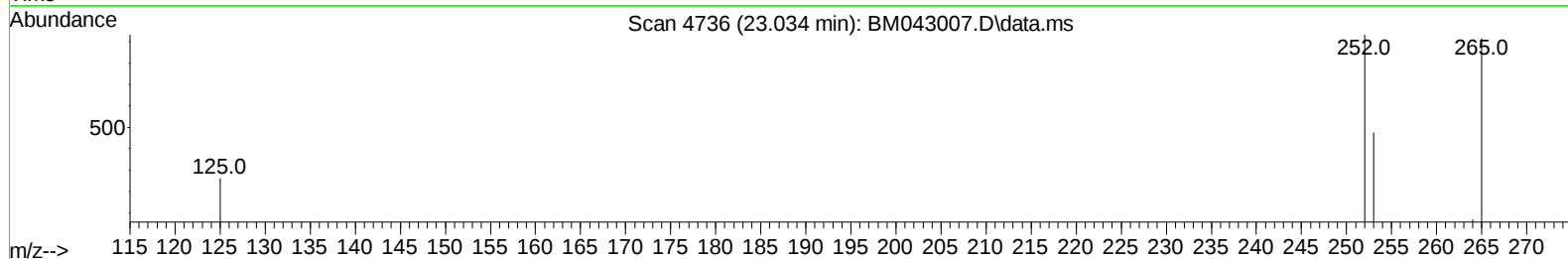
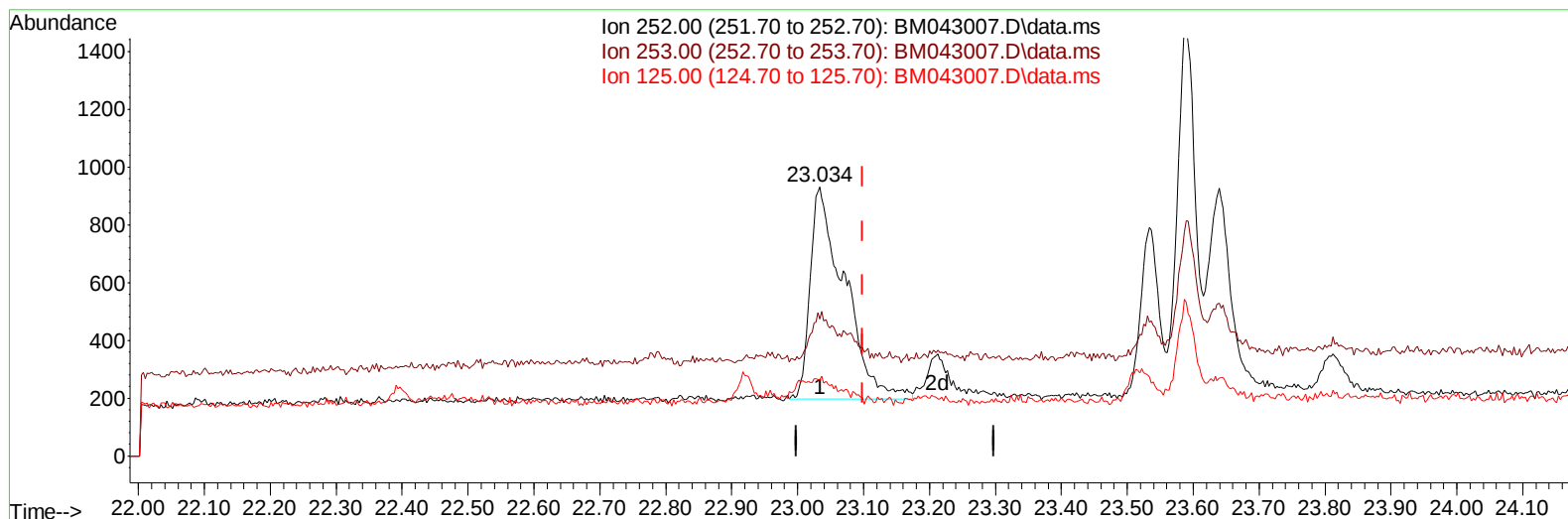
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

Quant Time: Nov 27 23:03:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 02:36:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



TIC: BM043007.D\data.ms

(25) Benzo(k)fluoranthene

23.034min (-0.064) 0.06 ng/u1

response 2628

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	50.86#
125.00	13.80	28.11#
0.00	0.00	0.00

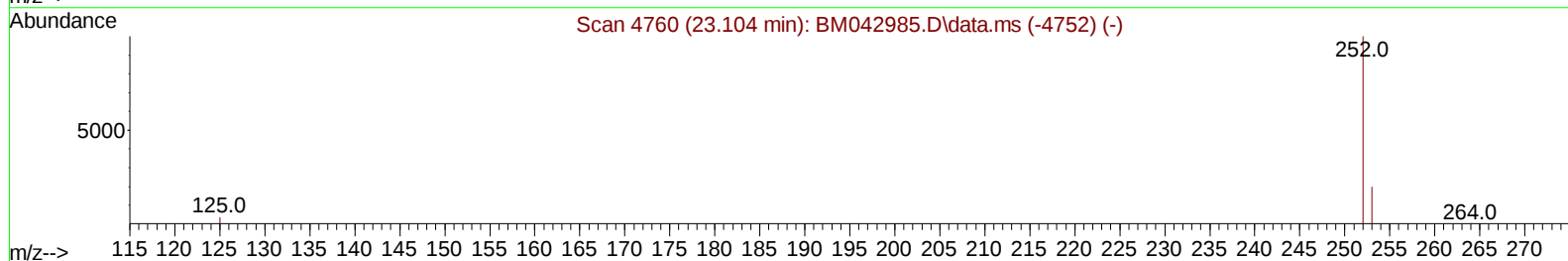
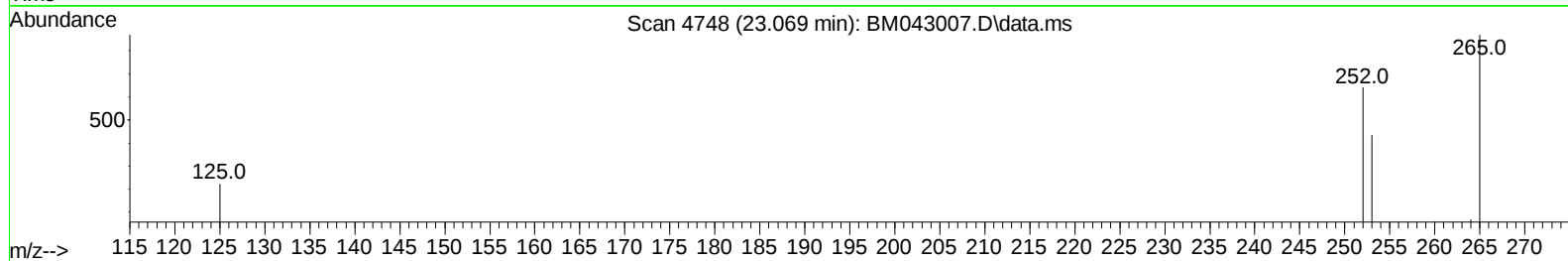
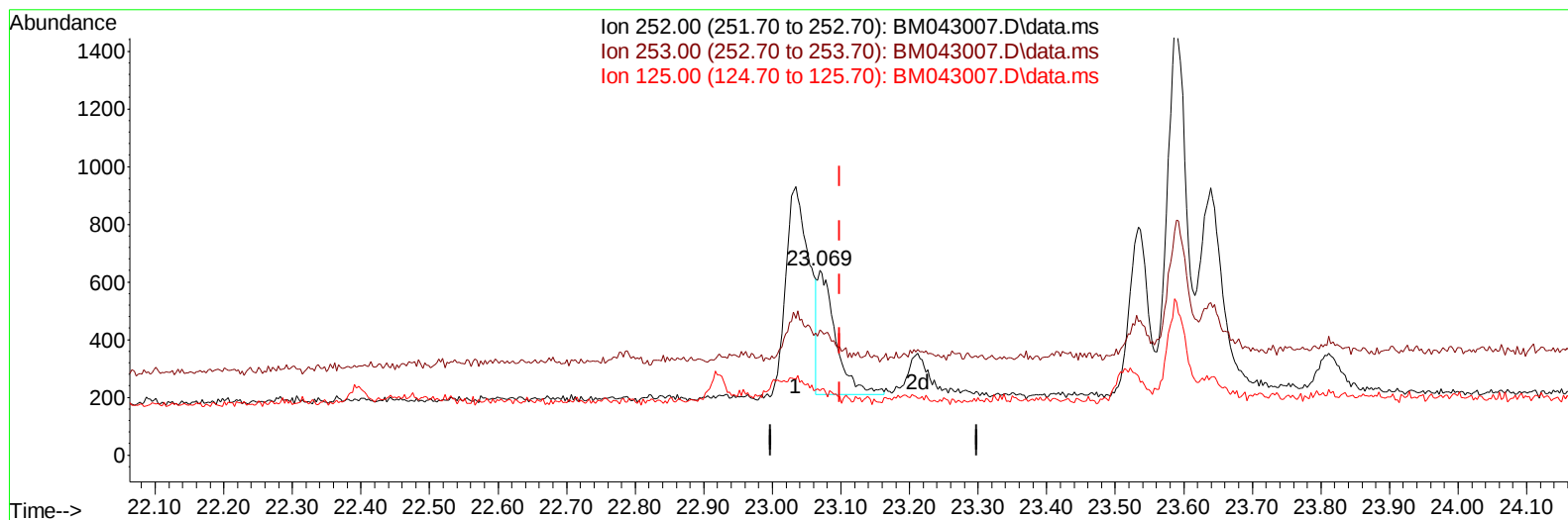
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112423\
Data File : BM043007.D
Acq On : 25 Nov 2023 09:02
Operator : MA/JU
Sample : 05261-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKR0

Manual IntegrationsAPPROVED

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TIC: BM043007.D\data.ms

(25) Benzo(k)fluoranthene

23.069min (-0.029) 0.05 ng/u1 m

response 798

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	67.71#
125.00	13.80	34.79#
0.00	0.00	0.00

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 Sample : 05261-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKR0

Manual IntegrationsAPPROVED

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.809	152		1266m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.611	136		3589	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.459	164		2222m	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.212	188		4532m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240		3364m	0.400	ng/ul	-0.02
23) Perylene-d12	23.753	264		3430m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.160	96		5077	2.614	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.233	152		1498	0.312	ng/ul	-0.02
18) Fluoranthene-d10	19.242	212		4442	0.362	ng/ul	-0.02
Target Compounds							
							Qvalue
15) Phenanthrene	17.254	178		734m	0.057	ng/ul	
19) Fluoranthene	19.275	202		2179	0.114	ng/ul	97
20) Pyrene	19.633	202		2657	0.131	ng/ul#	81
21) Benzo(a)anthracene	21.386	228		1326m	0.121	ng/ul	
22) Chrysene	21.441	228		1395	0.069	ng/ul	94
24) Benzo(b)fluoranthene	23.034	252		1742	0.150	ng/ul	72
25) Benzo(k)fluoranthene	23.069	252		798m	0.050	ng/ul	
26) Benzo(a)pyrene	23.639	252		1451	0.115	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.225	276		1071	0.063	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.222	278		308	0.023	ng/ul#	1
29) Benzo(g,h,i)perylene	26.993	276		1166	0.070	ng/ul#	80

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

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