

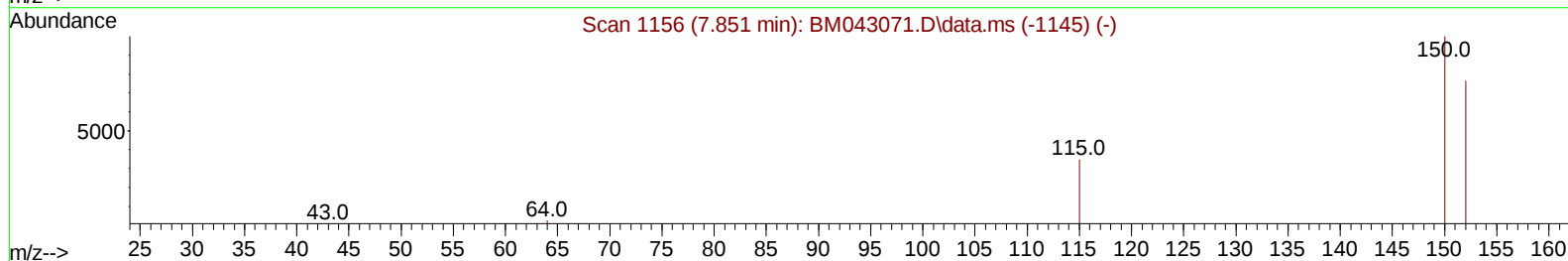
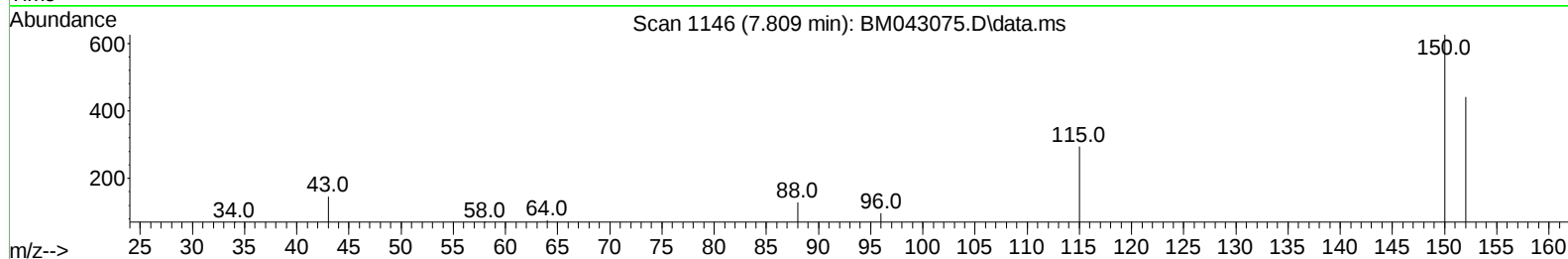
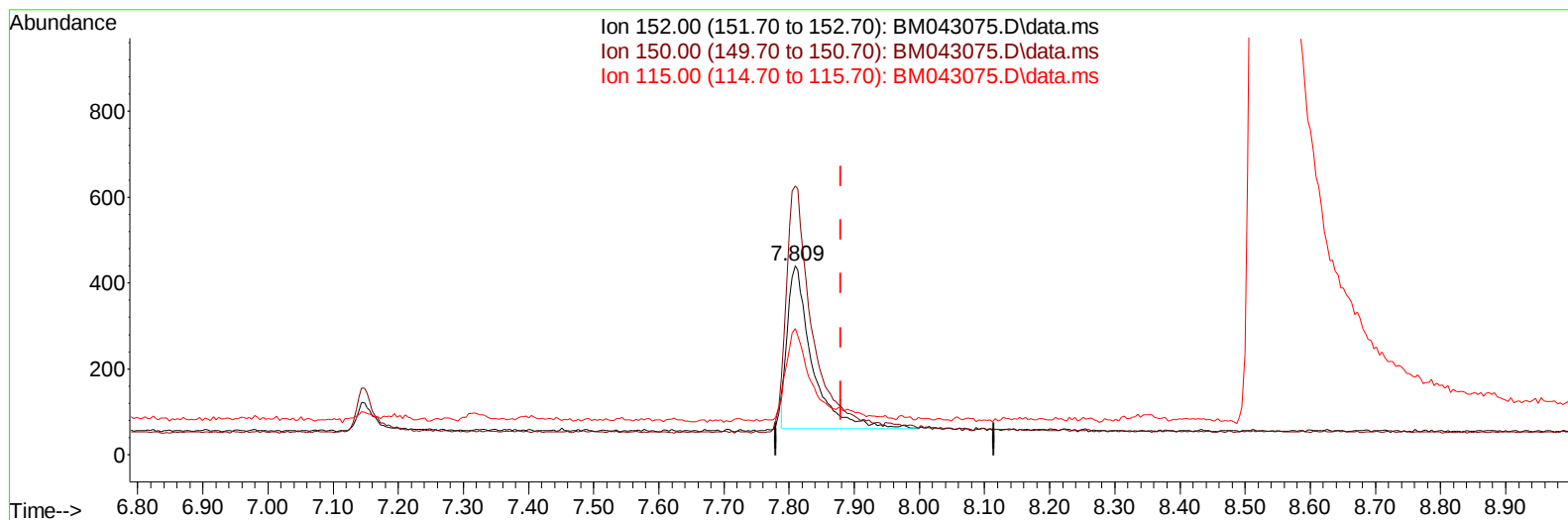
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043075.D
Acq On : 28 Nov 2023 17:08
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

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

7.809min (-0.071) 0.40 ng/u1

response 999

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	141.95
115.00	89.60	66.67#
0.00	0.00	0.00

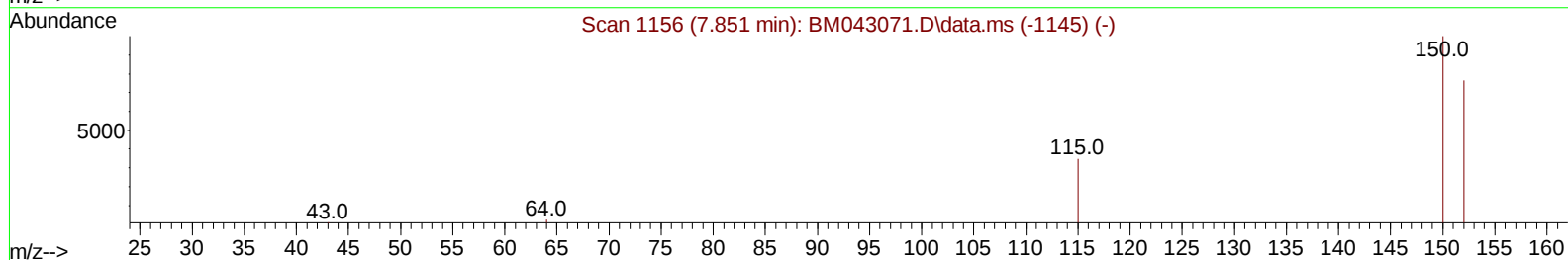
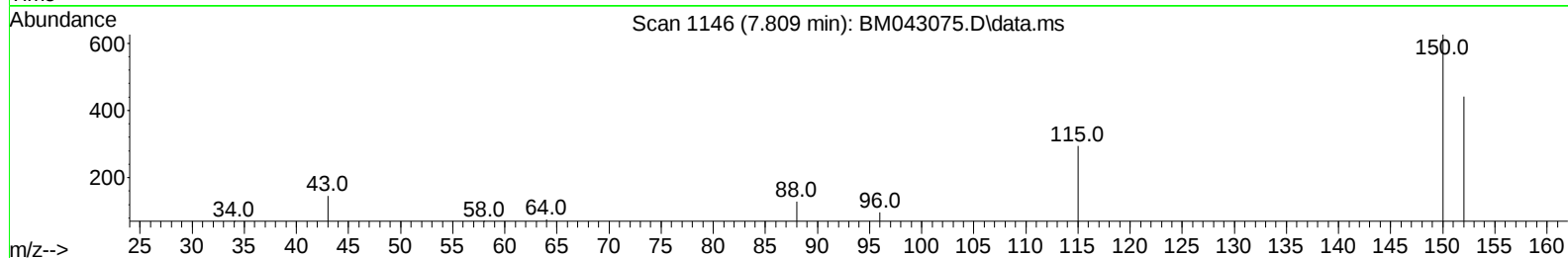
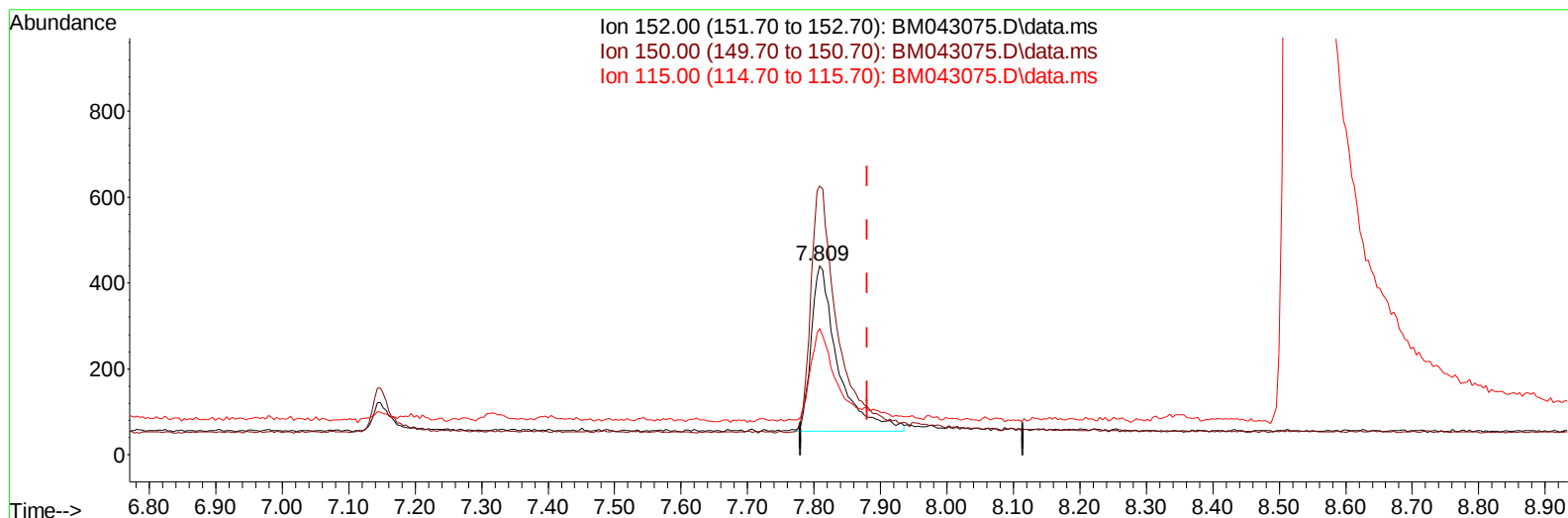
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

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

7.809min (-0.071) 0.40 ng/ul m

response 1069

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	124.60	141.95
115.00	89.60	66.67#
0.00	0.00	0.00

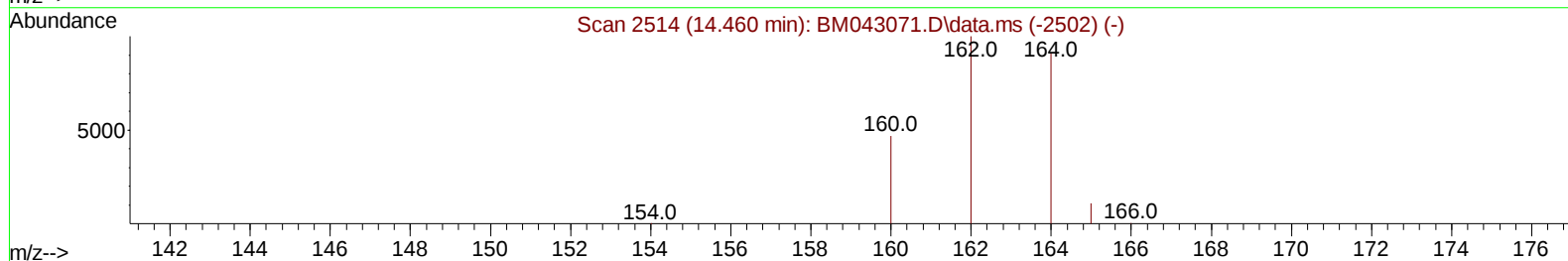
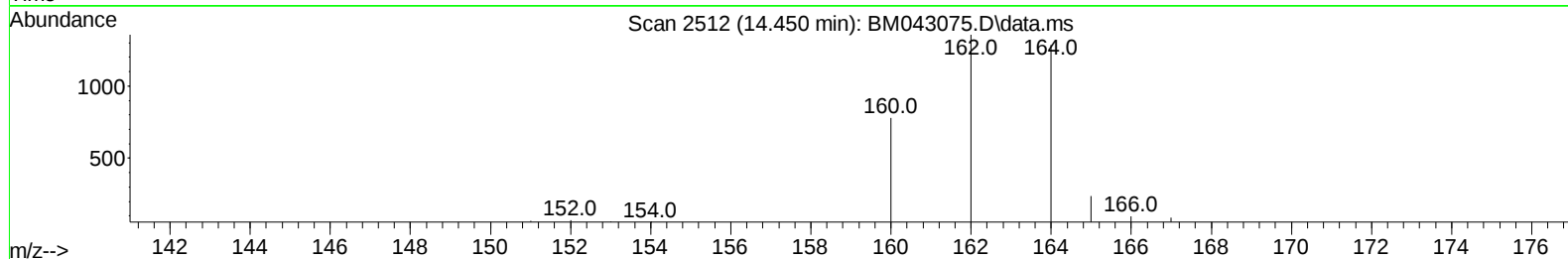
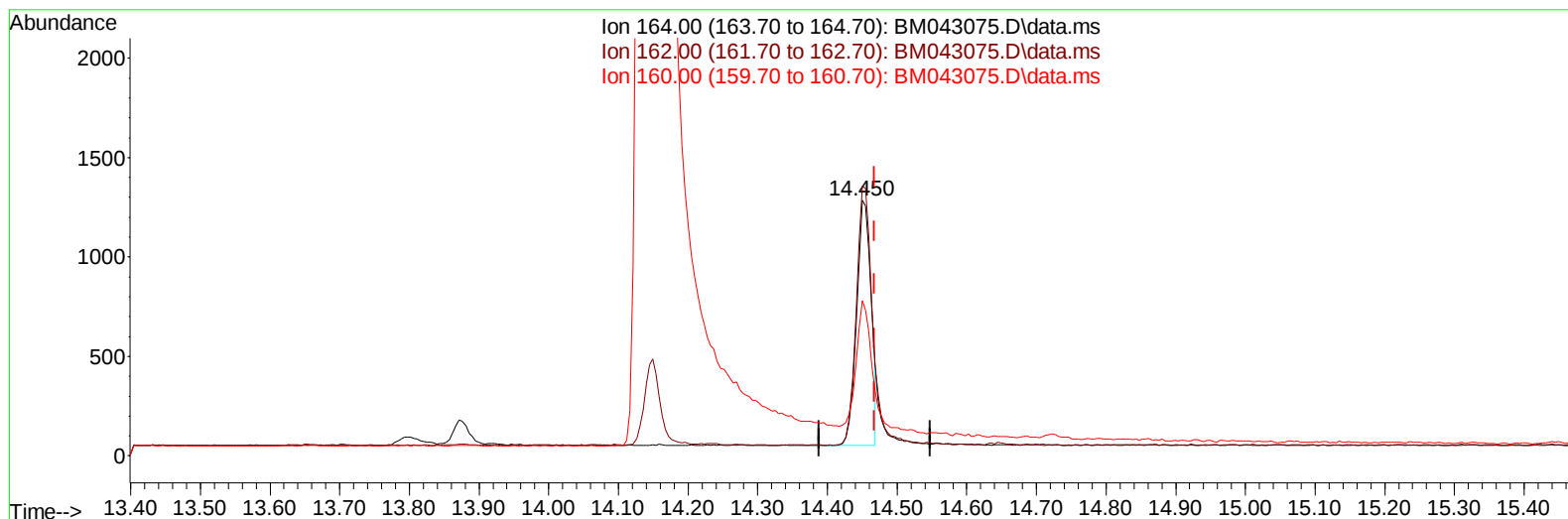
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043075.D
Acq On : 28 Nov 2023 17:08
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.018) 0.40 ng/u1

response 1804

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	105.37
160.00	57.20	60.65
0.00	0.00	0.00

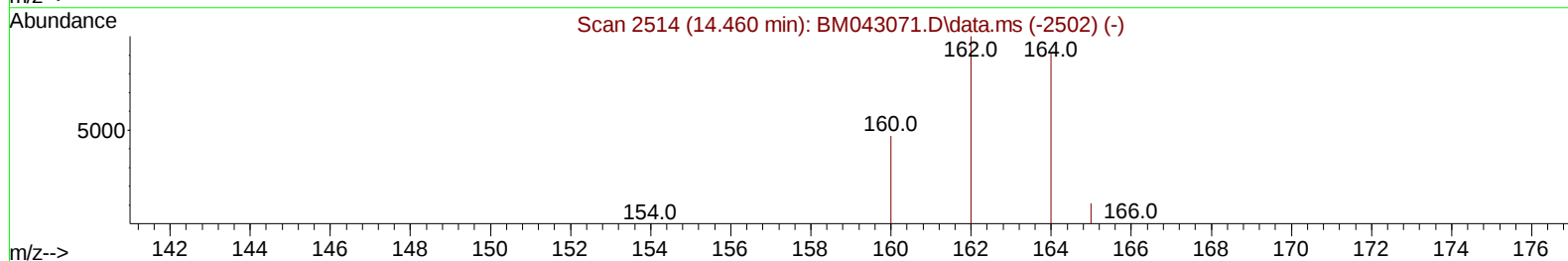
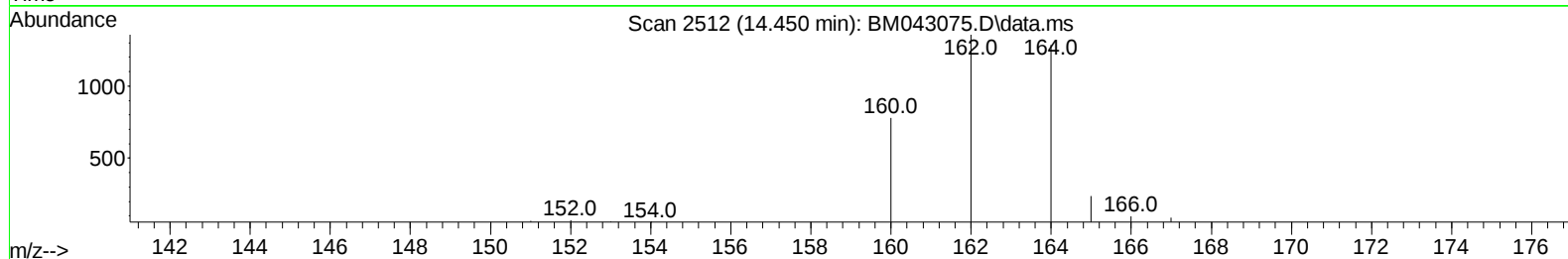
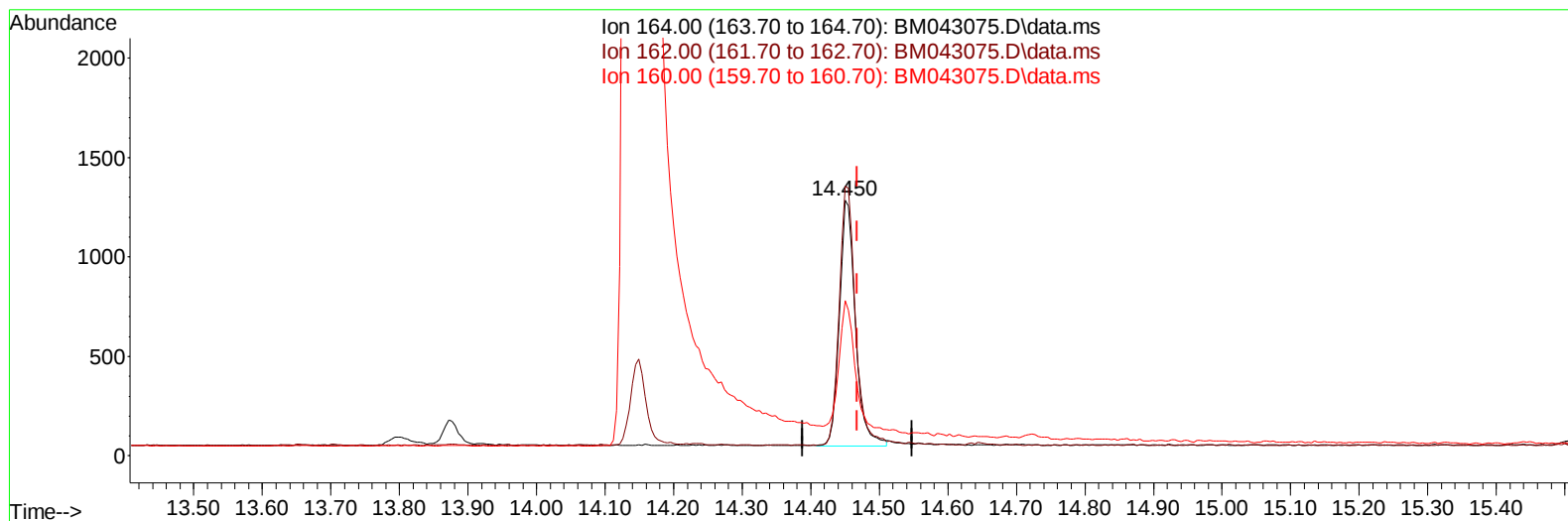
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.018) 0.40 ng/ul m

response 2011

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	105.37
160.00	57.20	60.65
0.00	0.00	0.00

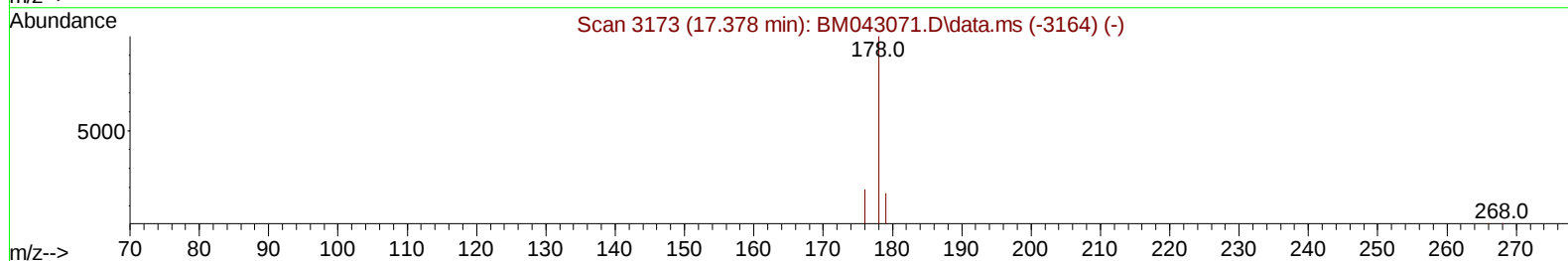
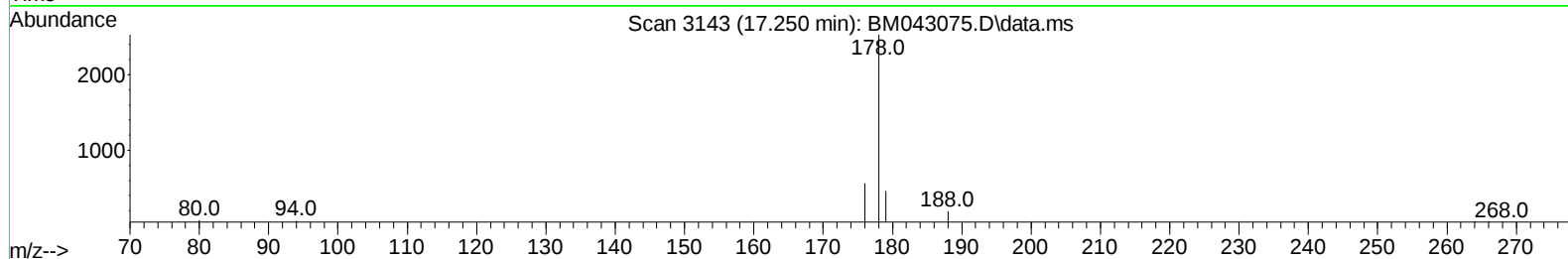
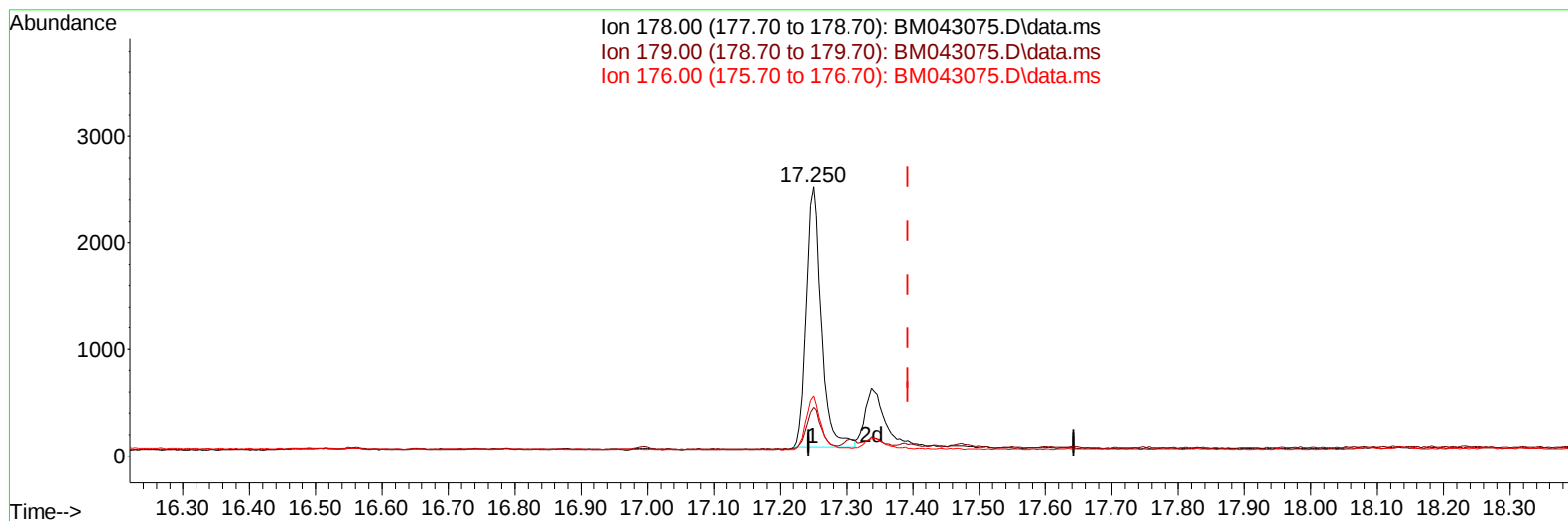
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(16) Anthracene

17.250min (-0.143) 0.32 ng/u1

response 3793

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	21.60	18.15
176.00	25.60	22.26
0.00	0.00	0.00

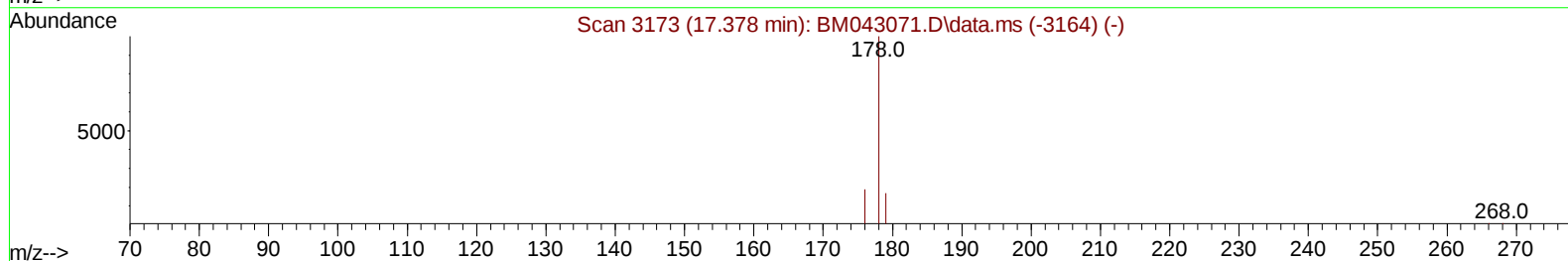
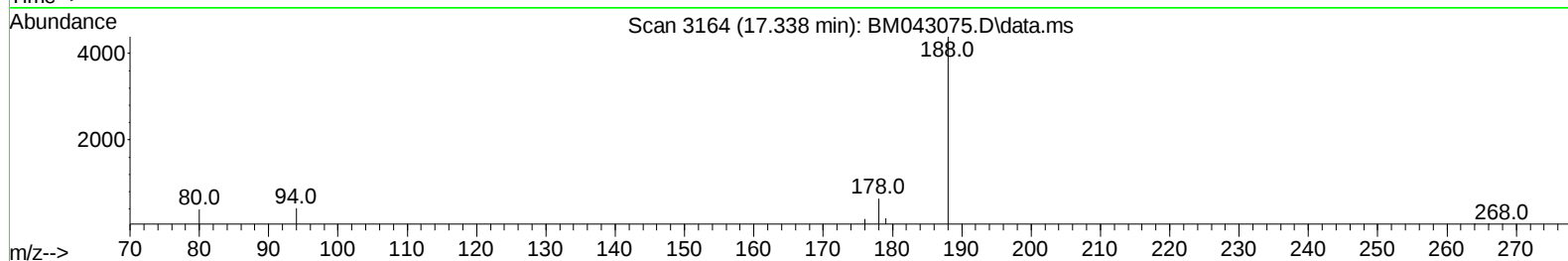
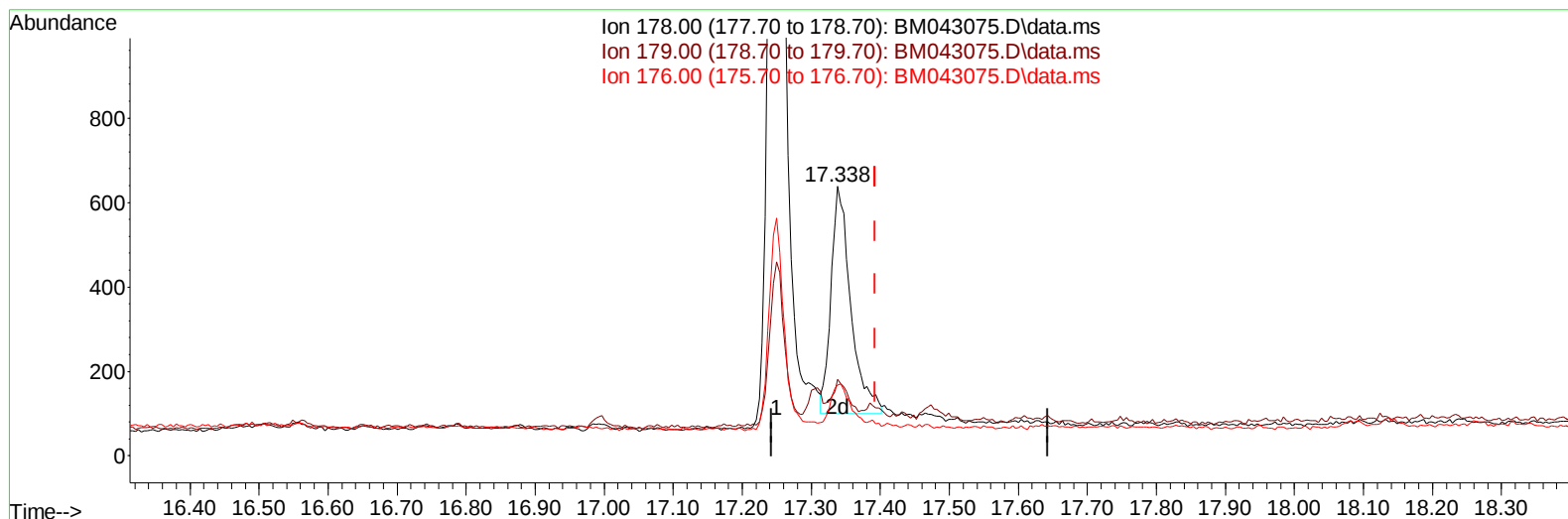
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(16) Anthracene

17.338min (-0.055) 0.09 ng/u1 m

response 1067

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	21.60	28.37#
176.00	25.60	26.18
0.00	0.00	0.00

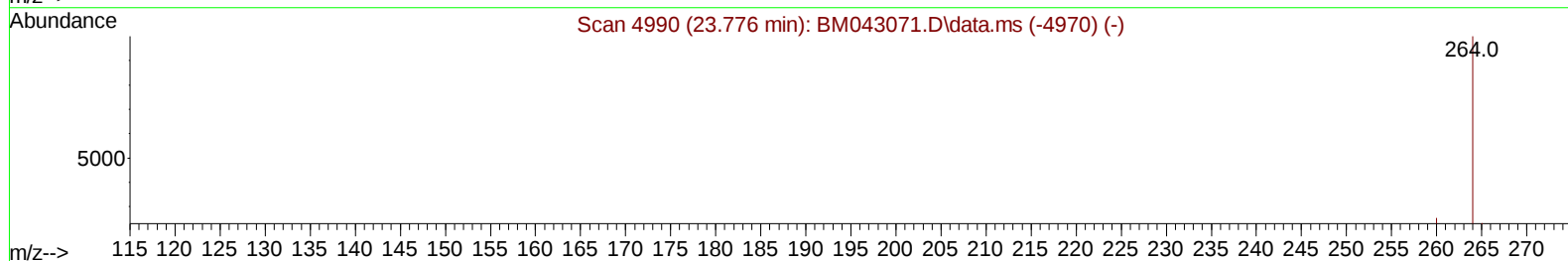
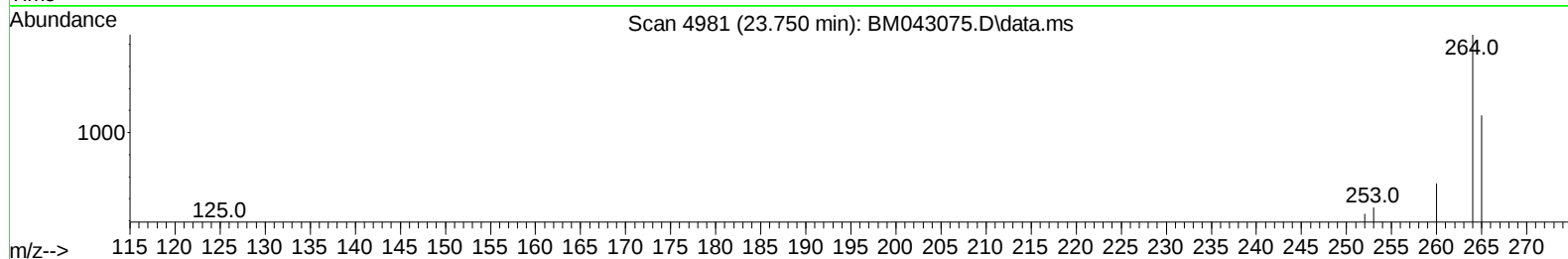
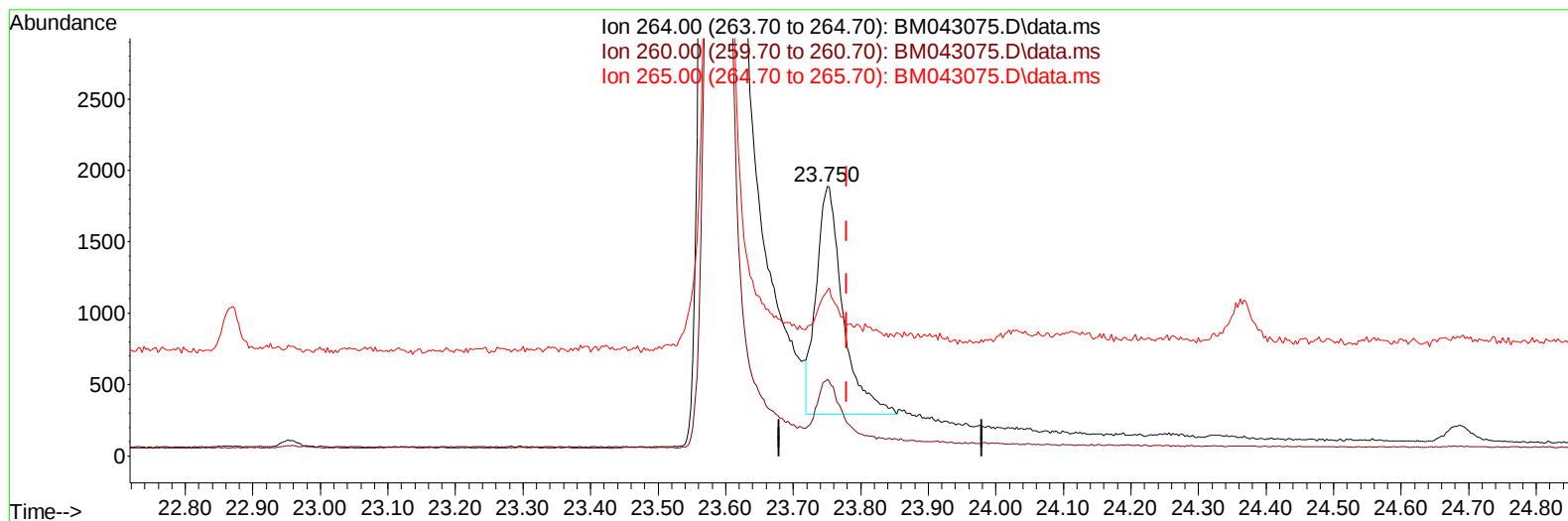
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(23) Perylene-d12 (I)

23.750min (-0.029) 0.40 ng/u1

response 4392

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.44
265.00	120.30	61.33#
0.00	0.00	0.00

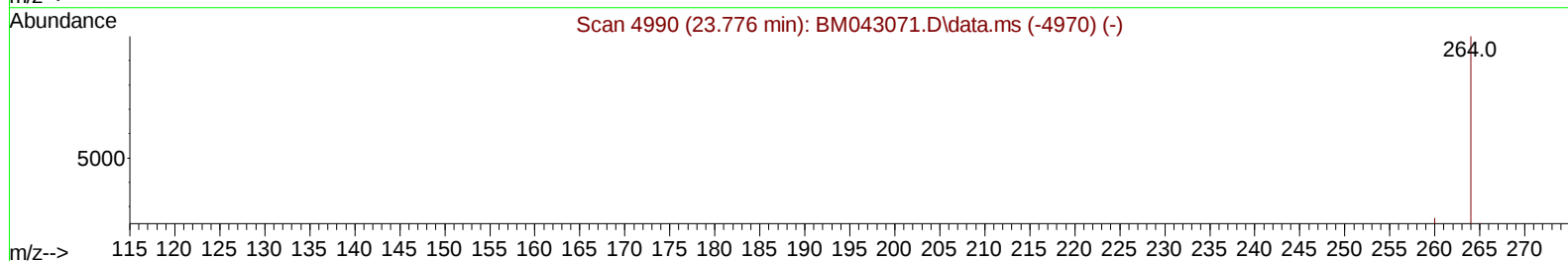
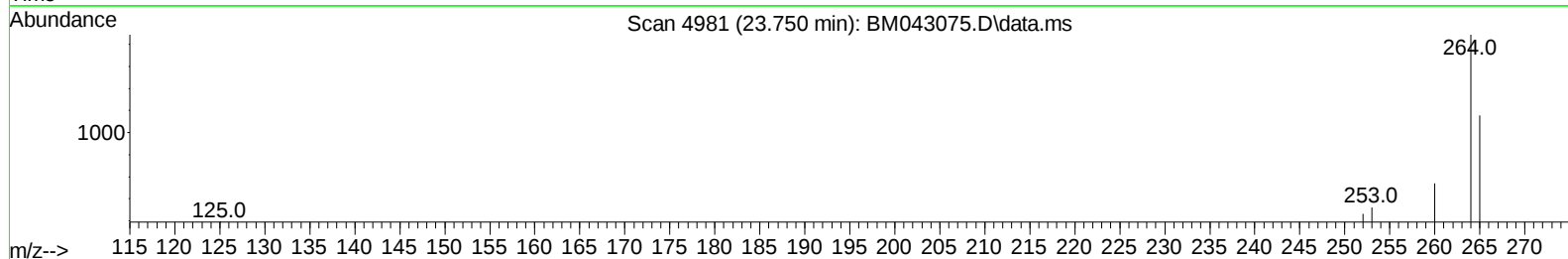
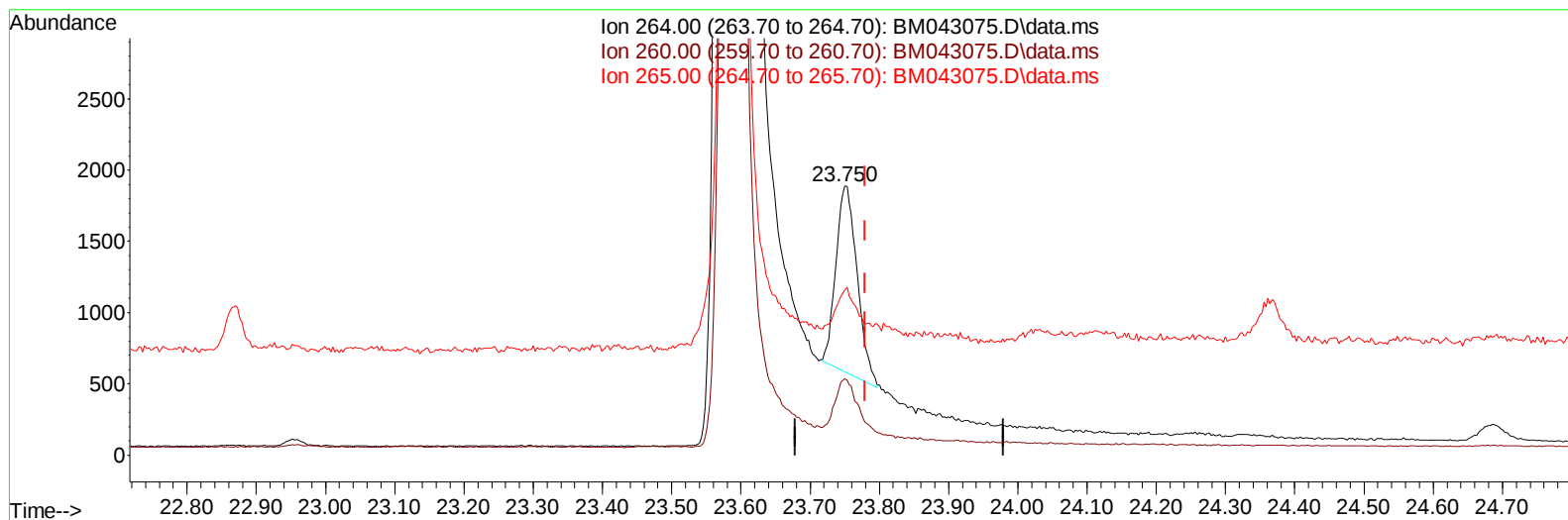
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(23) Perylene-d12 (I)

23.750min (-0.029) 0.40 ng/ul m

response 2768

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.44
265.00	120.30	61.33#
0.00	0.00	0.00

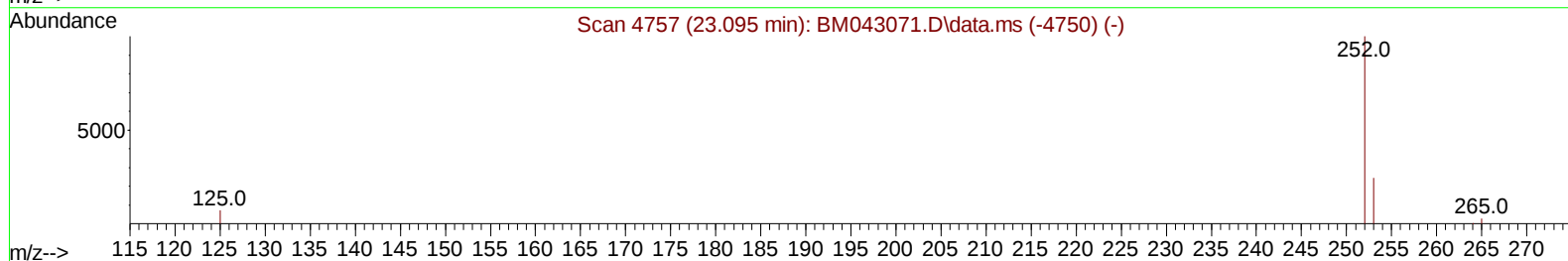
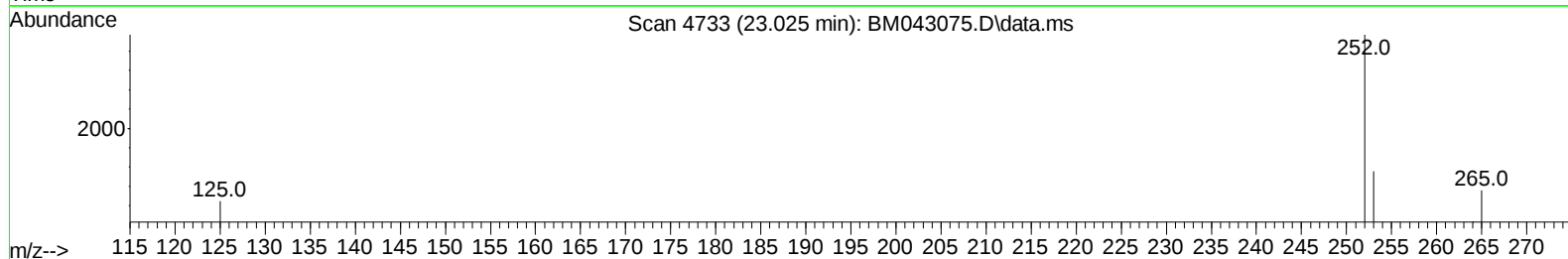
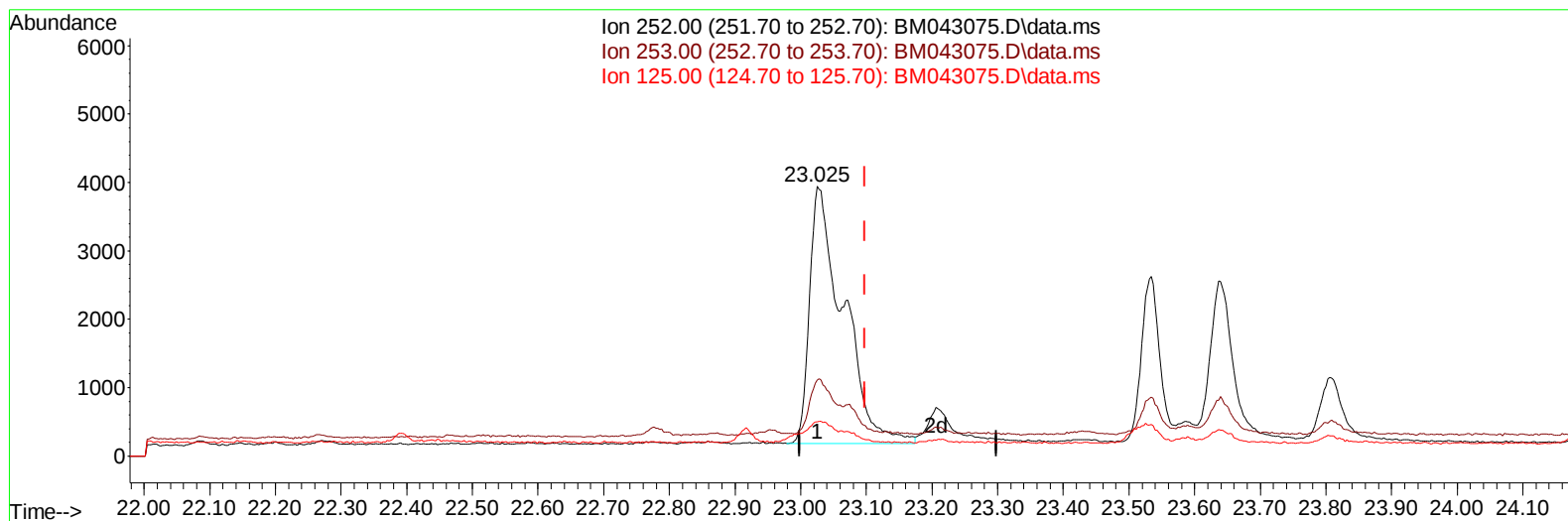
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043075.D
Acq On : 28 Nov 2023 17:08
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(25) Benzo(k)fluoranthene

23.025min (-0.073) 1.04 ng/u1

response 13384

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	28.08#
125.00	13.80	12.66
0.00	0.00	0.00

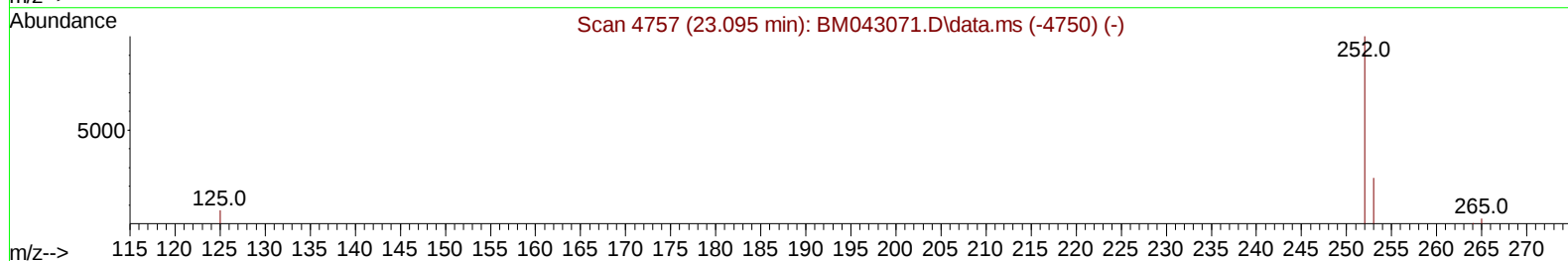
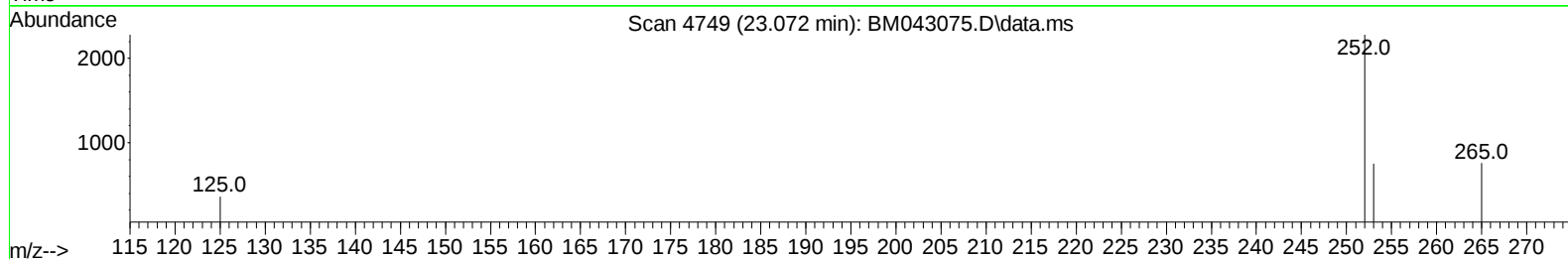
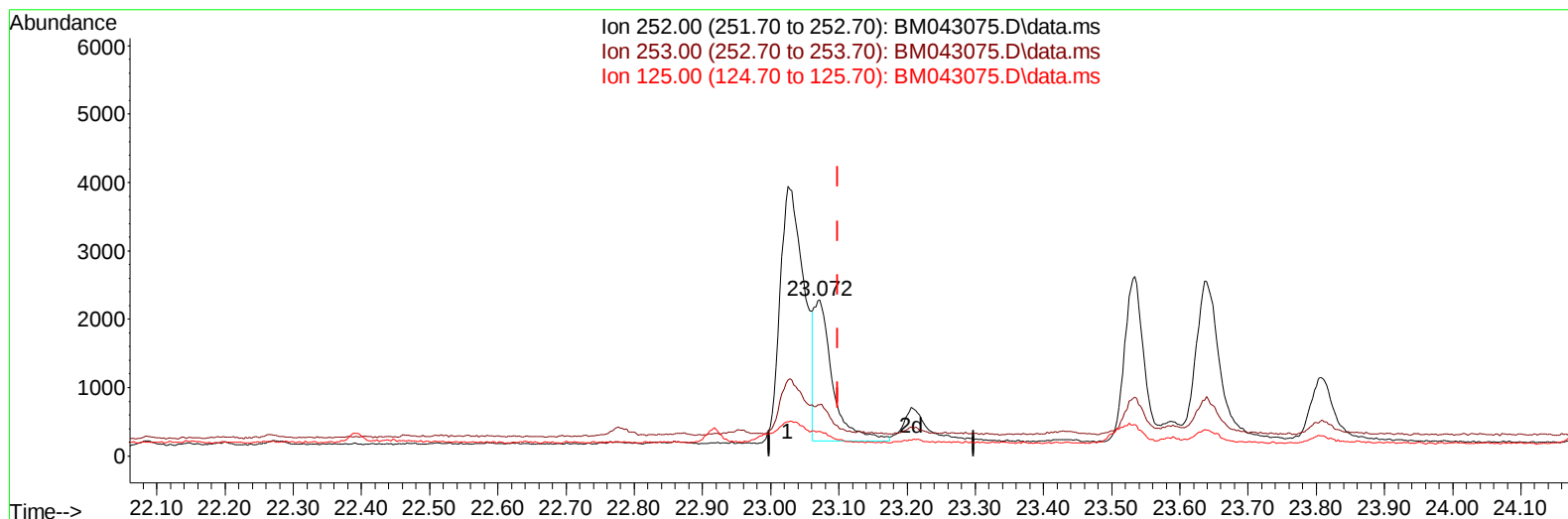
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043075.D
Acq On : 28 Nov 2023 17:08
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
Supervised By :mohammad ahmed 11/29/2023



TIC: BM043075.D\data.ms

(25) Benzo(k)fluoranthene

23.072min (-0.026) 0.30 ng/u1 m

response 3913

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	32.89
125.00	13.80	15.83
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
 Data File : BM043075.D
 Acq On : 28 Nov 2023 17:08
 Operator : MA/JU
 Sample : 05416-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AH2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 11/29/2023

Quant Time: Nov 28 23:38:51 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	1069m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.605	136	3256	0.400	ng/ul	#-0.04
9) Acenaphthene-d10	14.450	164	2011m	0.400	ng/ul	-0.02
13) Phenanthrene-d10	17.208	188	4349	0.400	ng/ul	-0.03
17) Chrysene-d12	21.403	240	3338	0.400	ng/ul	#-0.02
23) Perylene-d12	23.750	264	2768m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	2060	1.256	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.217	152	645	0.148	ng/ul	-0.03
18) Fluoranthene-d10	19.238	212	1956	0.161	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.660	128	877	0.099	ng/ul	94
7) 2-Methylnaphthalene	12.288	142	805	0.154	ng/ul	98
8) 1-Methylnaphthalene	12.502	142	524	0.090	ng/ul	97
10) Acenaphthylene	14.177	152	636	0.062	ng/ul#	77
12) Fluorene	15.505	166	282	0.035	ng/ul#	89
15) Phenanthrene	17.250	178	3918	0.316	ng/ul	97
16) Anthracene	17.338	178	1067m	0.091	ng/ul	
19) Fluoranthene	19.270	202	11198	0.592	ng/ul#	93
20) Pyrene	19.633	202	11595	0.576	ng/ul#	95
21) Benzo(a)anthracene	21.386	228	8385	0.774	ng/ul	96
22) Chrysene	21.438	228	7320	0.363	ng/ul	98
24) Benzo(b)fluoranthene	23.025	252	9190	0.984	ng/ul	89
25) Benzo(k)fluoranthene	23.072	252	3913m	0.304	ng/ul	
26) Benzo(a)pyrene	23.636	252	5623	0.552	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.205	276	3501	0.254	ng/ul#	100
29) Benzo(g,h,i)perylene	26.970	276	3169	0.236	ng/ul	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112823\
Data File : BM043075.D
Acq On : 28 Nov 2023 17:08
Operator : MA/JU
Sample : 05416-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AH2

Manual IntegrationsAPPROVED

Quant Time: Nov 28 23:38:51 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 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

