

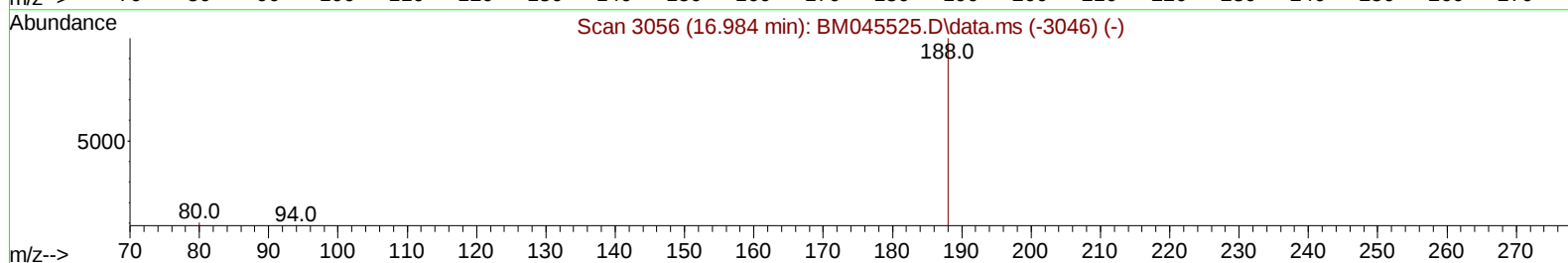
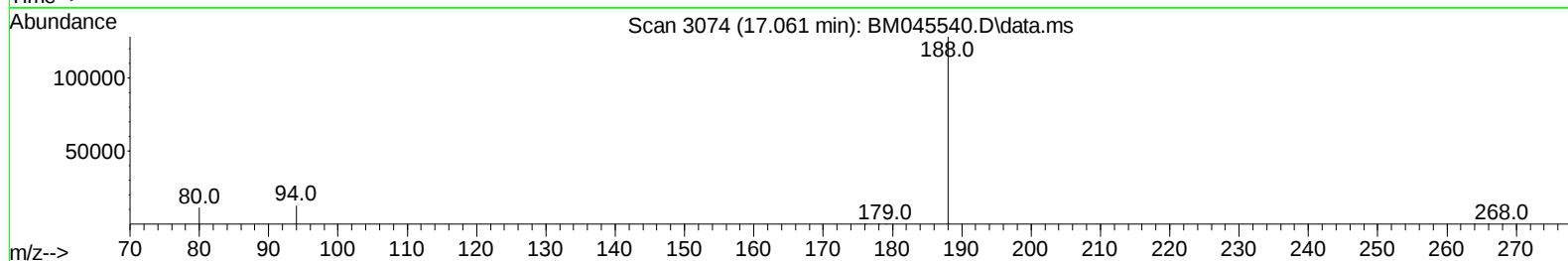
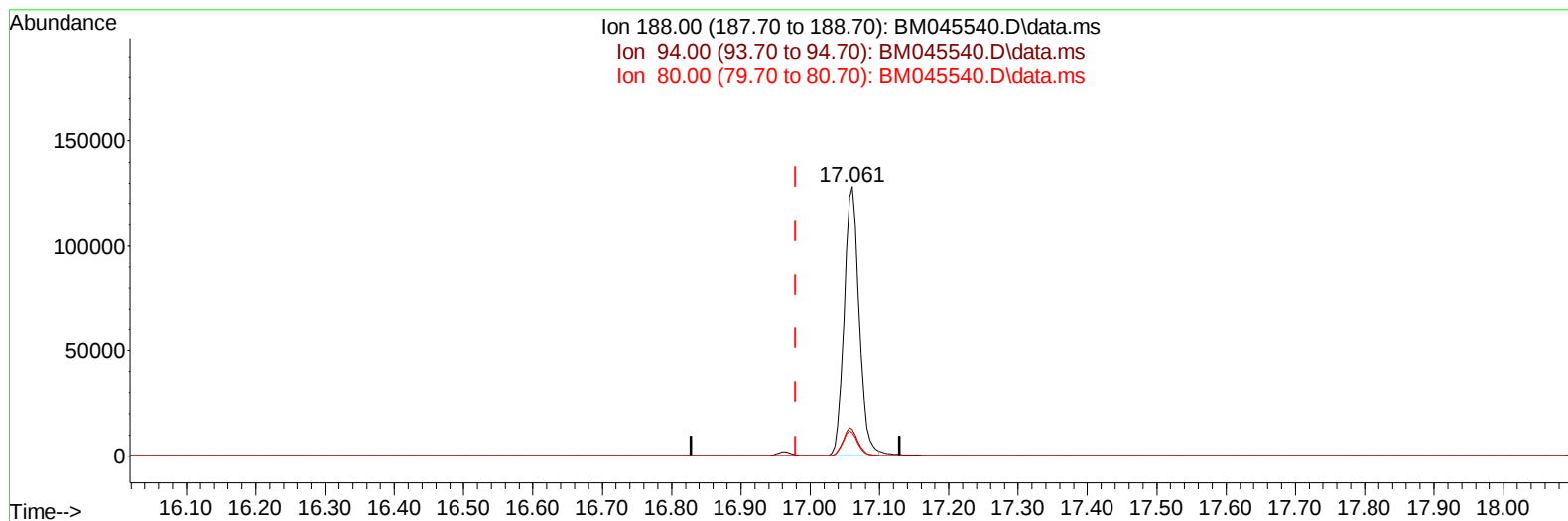
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(13) Phenanthrene-d10 (I)

17.061min (+ 0.081) 0.40 ng/u1

response 192849

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	14.80	9.89#
80.00	14.80	8.69#
0.00	0.00	0.00

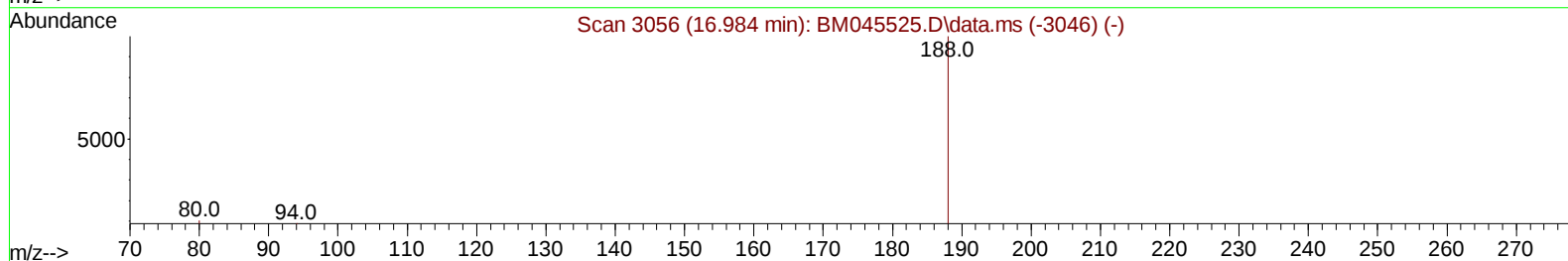
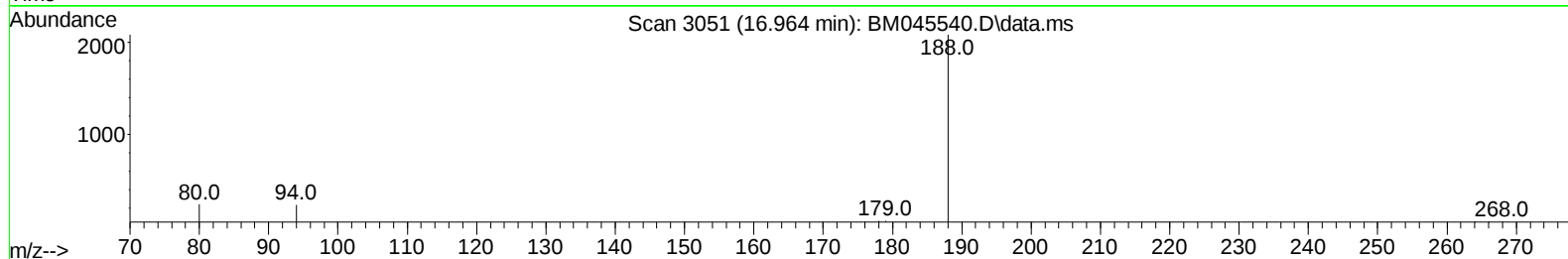
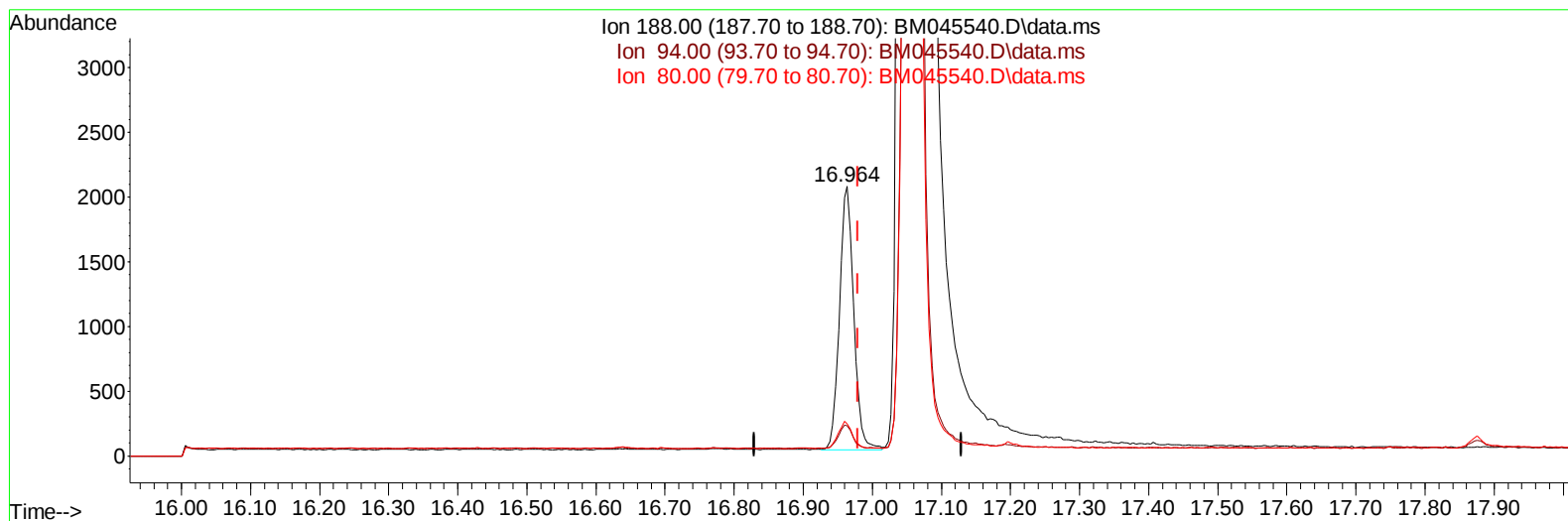
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(13) Phenanthrene-d10 (I)

16.964min (-0.016) 0.40 ng/ul m

response 2918

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	14.80	11.34#
80.00	14.80	11.82#
0.00	0.00	0.00

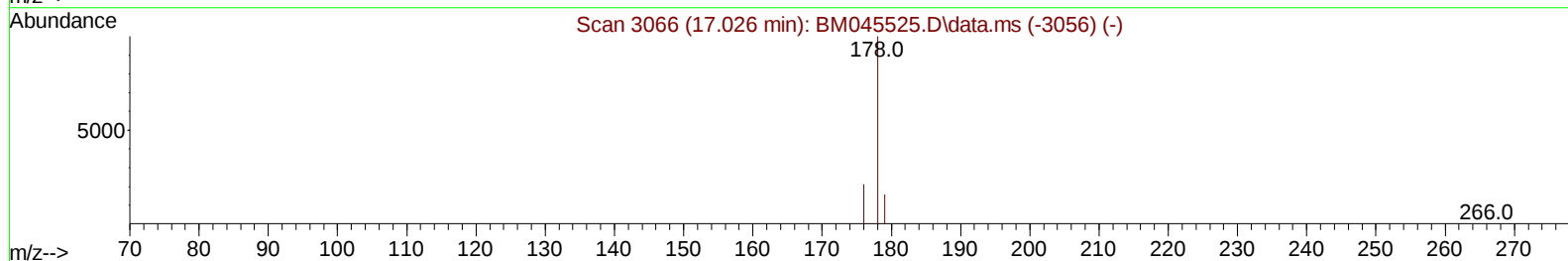
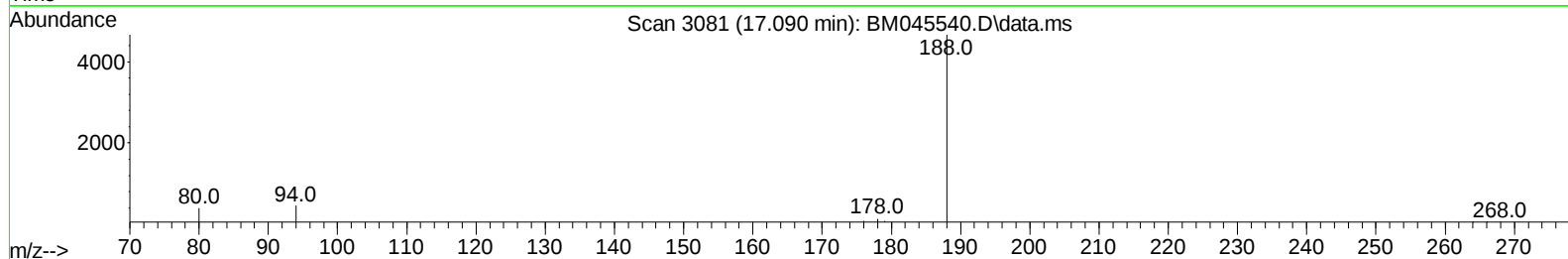
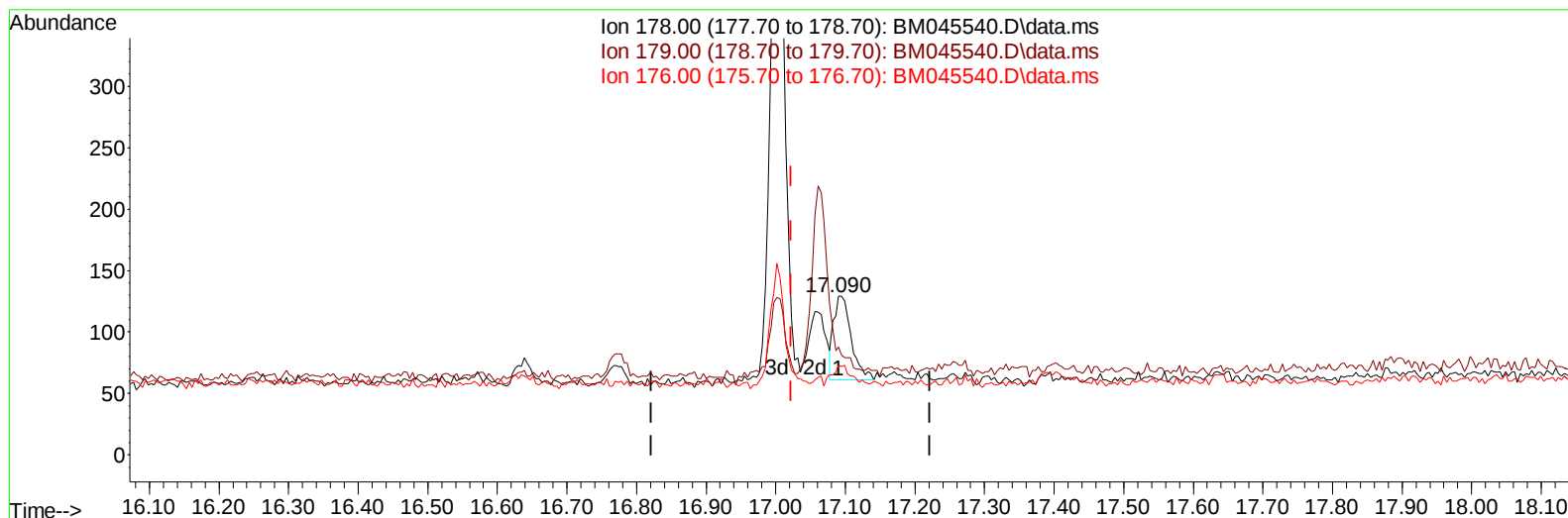
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(15) Phenanthrene

17.090min (+ 0.069) 0.01 ng/u1

response 118

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.30	68.22#
176.00	23.70	56.59#
0.00	0.00	0.00

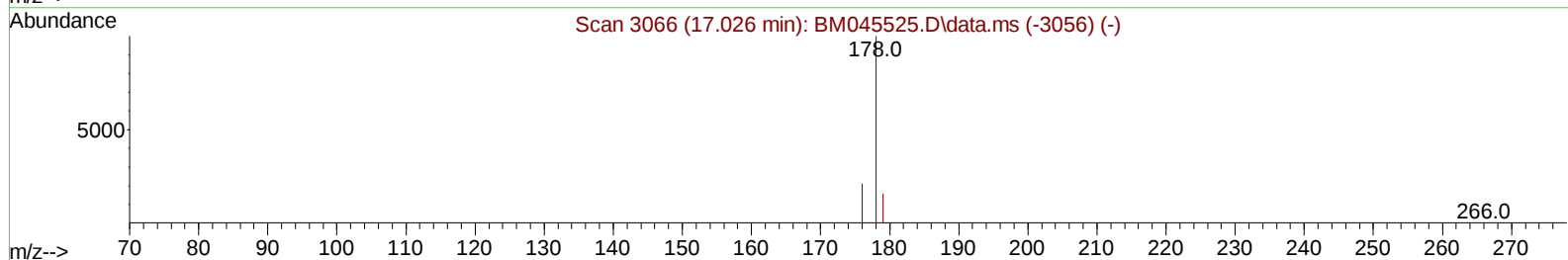
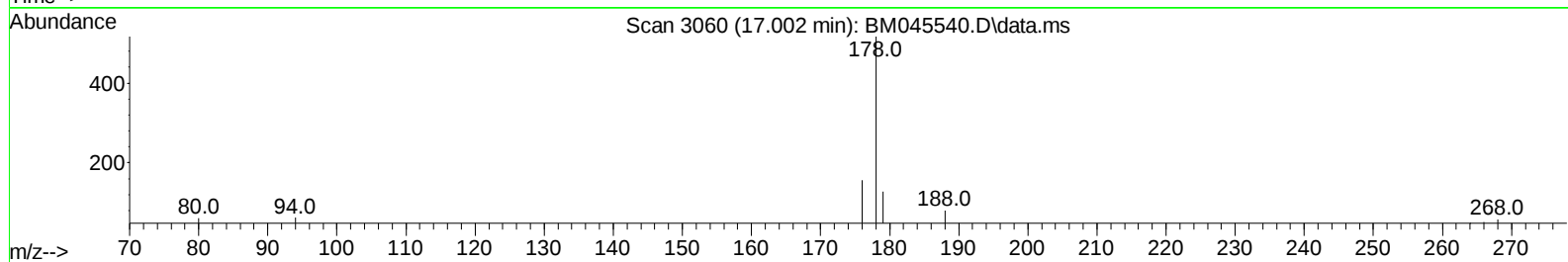
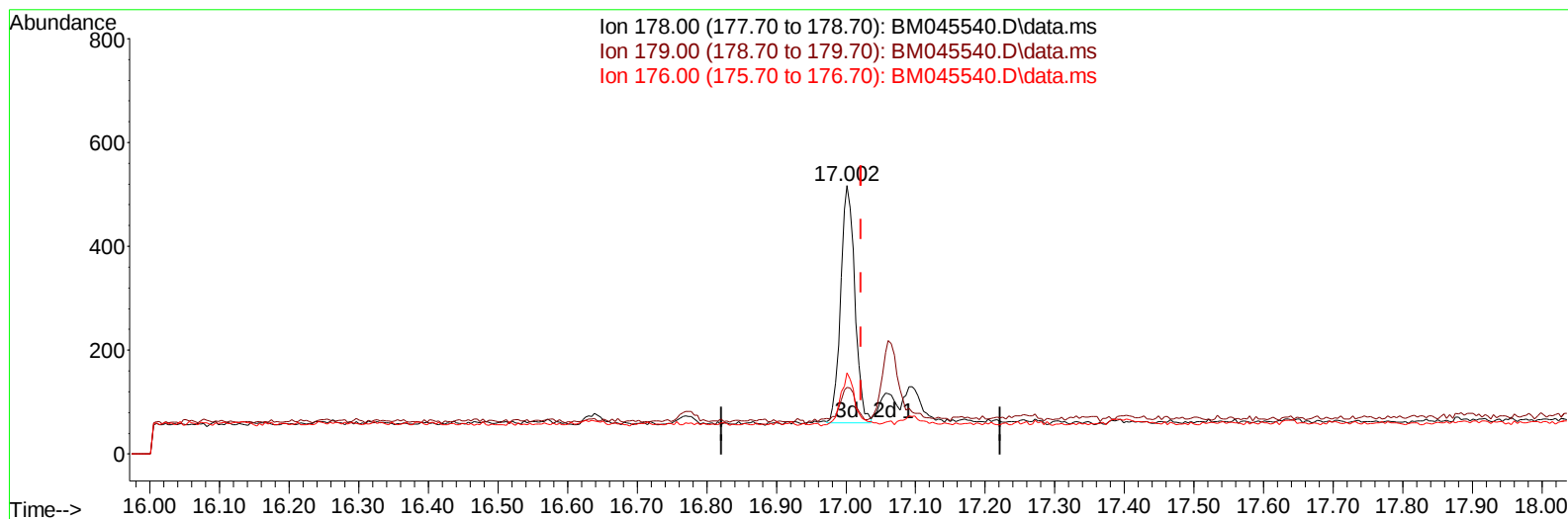
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(15) Phenanthrene

17.002min (-0.020) 0.08 ng/u1 m

response 648

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.30	24.76#
176.00	23.70	30.17#
0.00	0.00	0.00

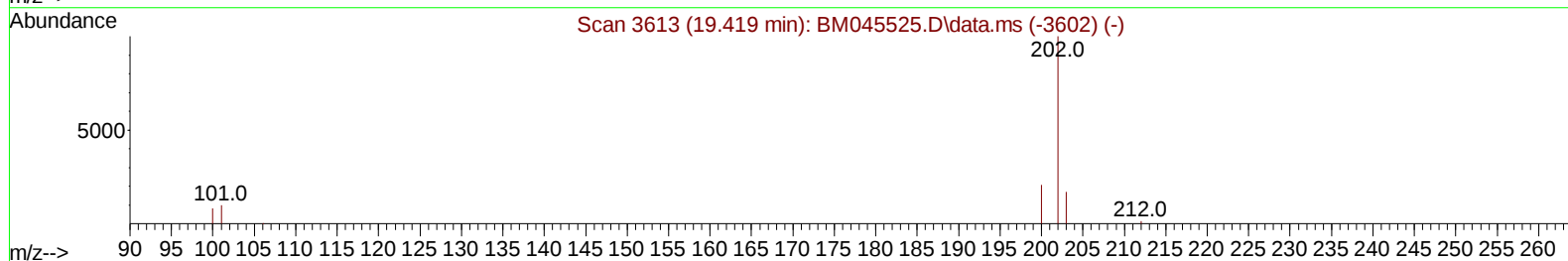
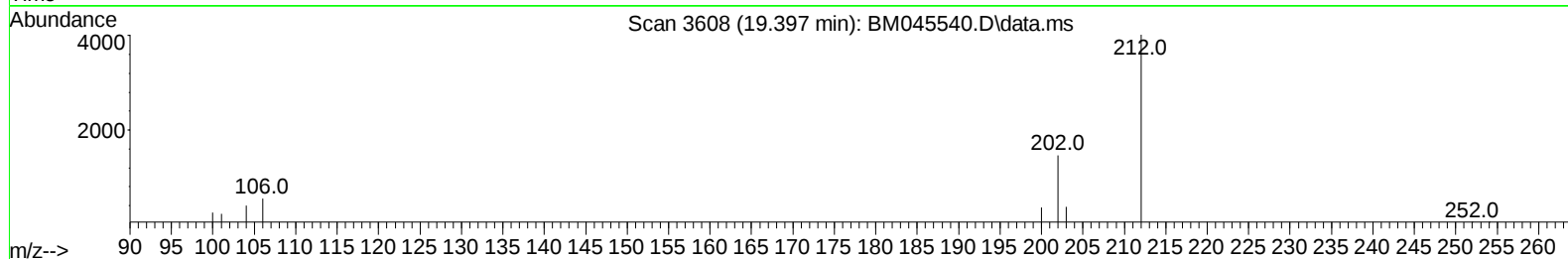
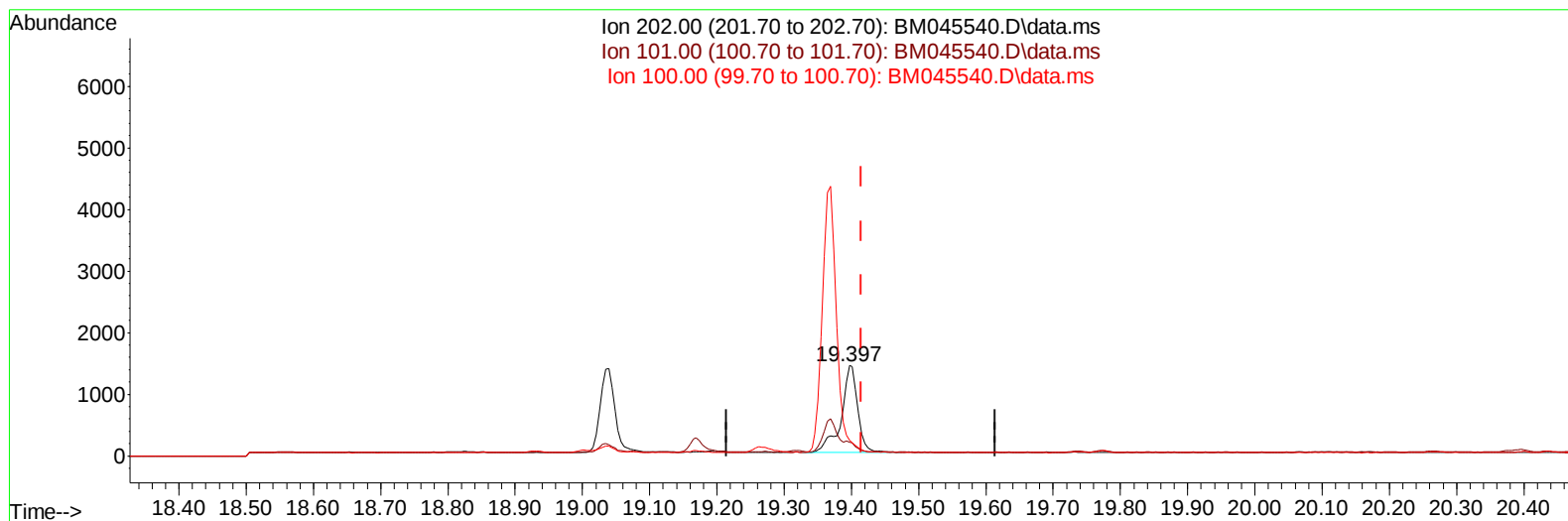
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(20) Pyrene

19.397min (-0.018) 0.21 ng/u1

response 2434

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.40	15.34
100.00	13.20	17.52#
0.00	0.00	0.00

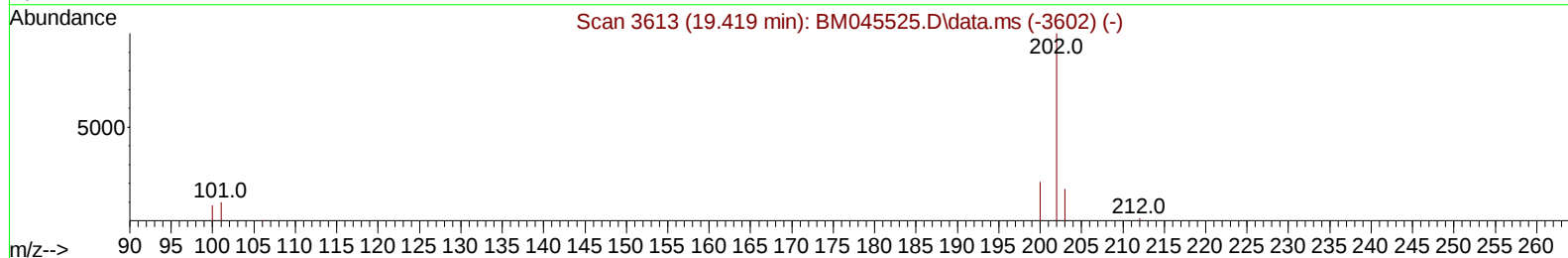
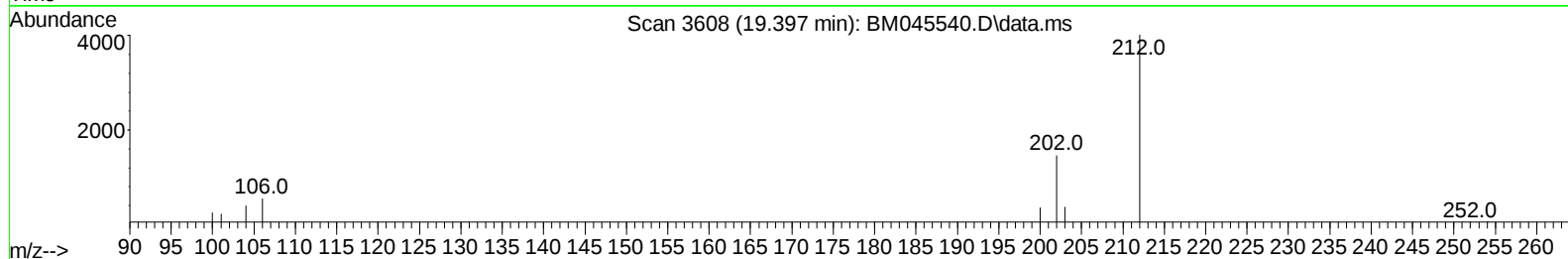
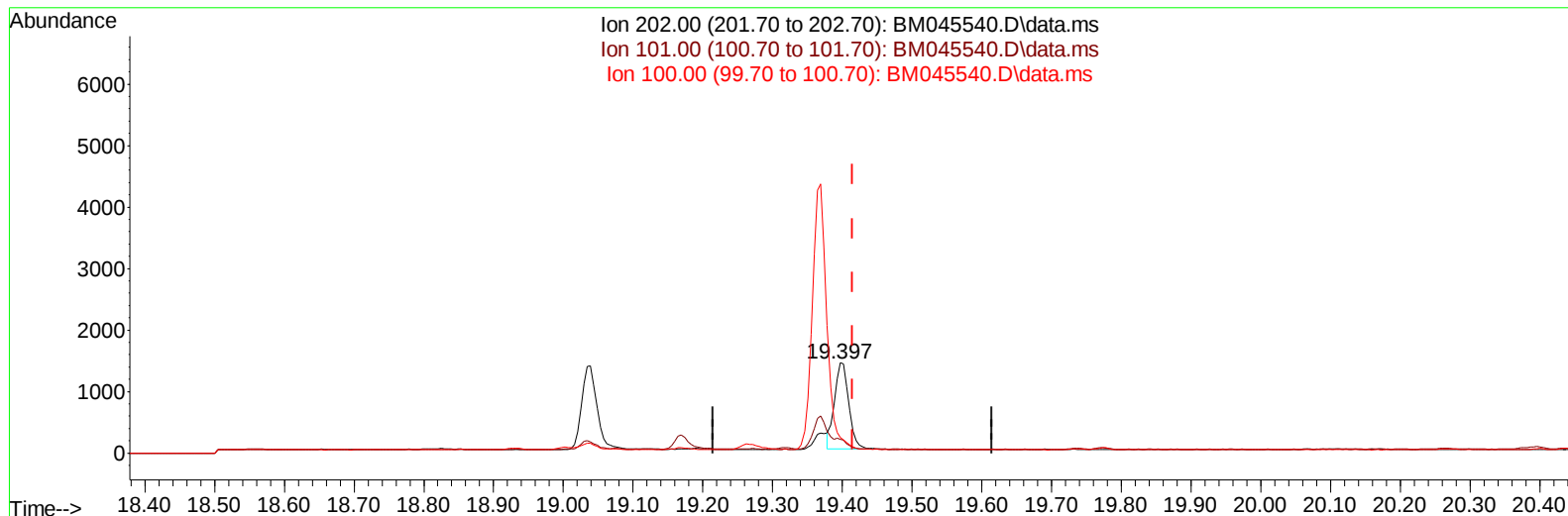
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(20) Pyrene

19.397min (-0.018) 0.17 ng/ul m

response 2018

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.40	15.34
100.00	13.20	17.52#
0.00	0.00	0.00

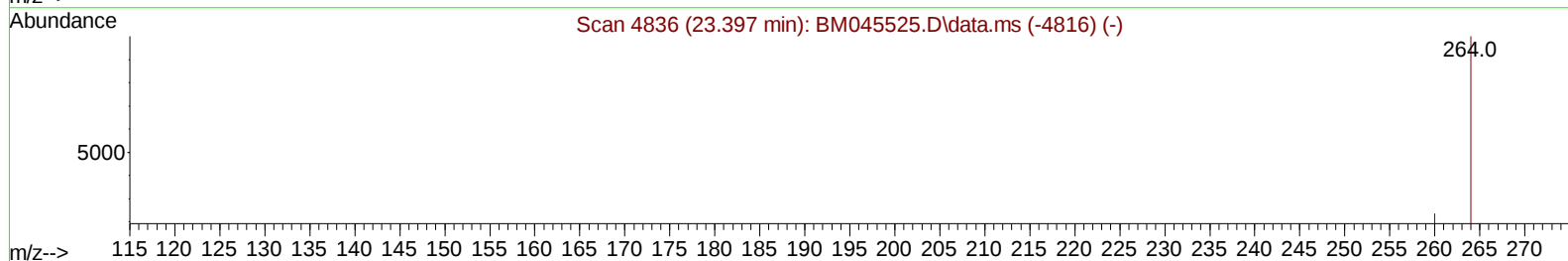
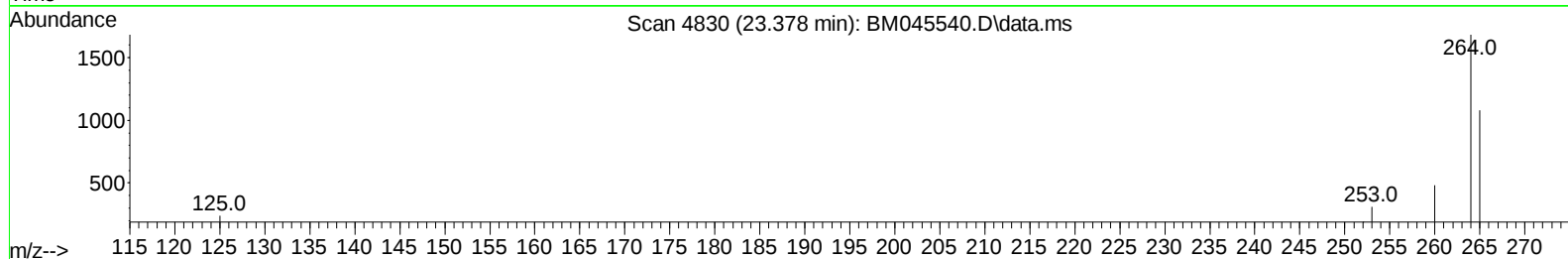
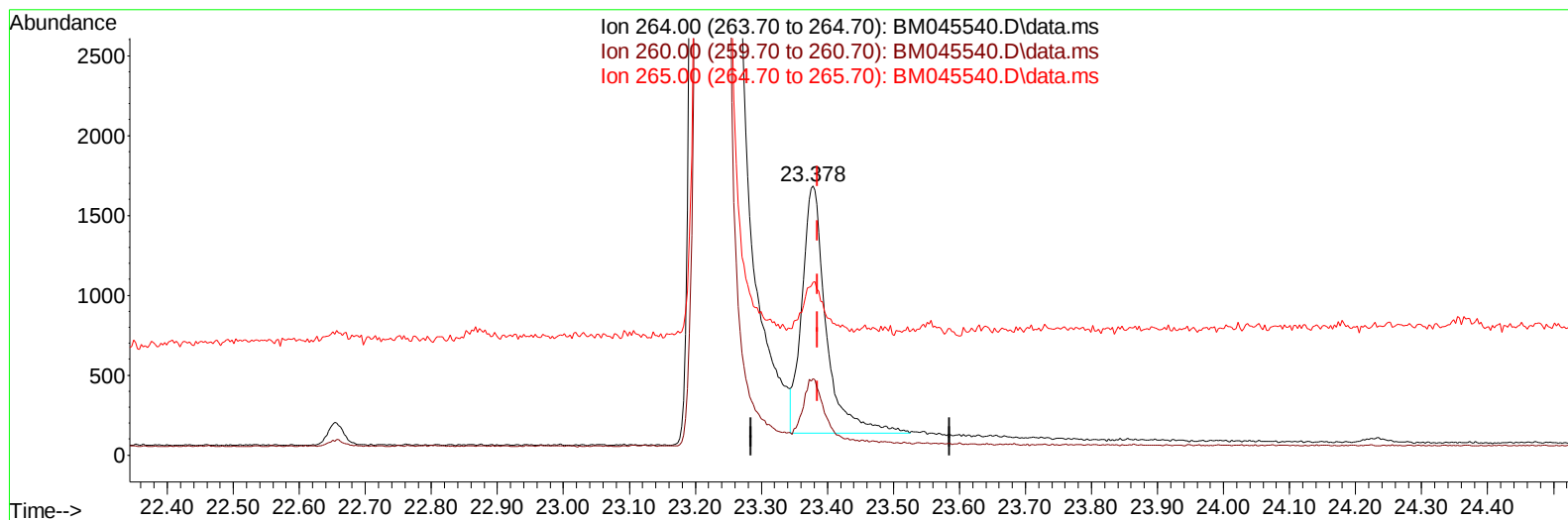
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045540.D
 Acq On : 24 Apr 2024 23:11
 Operator : MA/JU
 Sample : P2164-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
 Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(23) Perylene-d12 (I)

23.378min (-0.007) 0.40 ng/u1

response 3960

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	30.50	28.52
265.00	86.70	64.23#
0.00	0.00	0.00

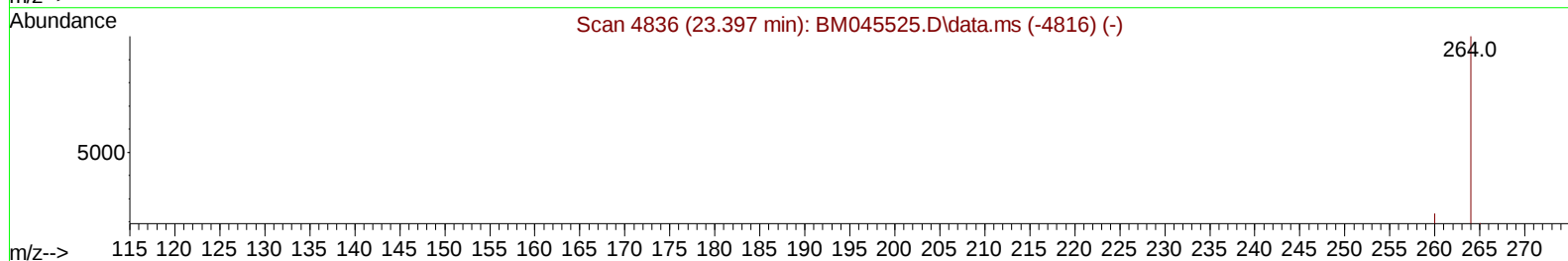
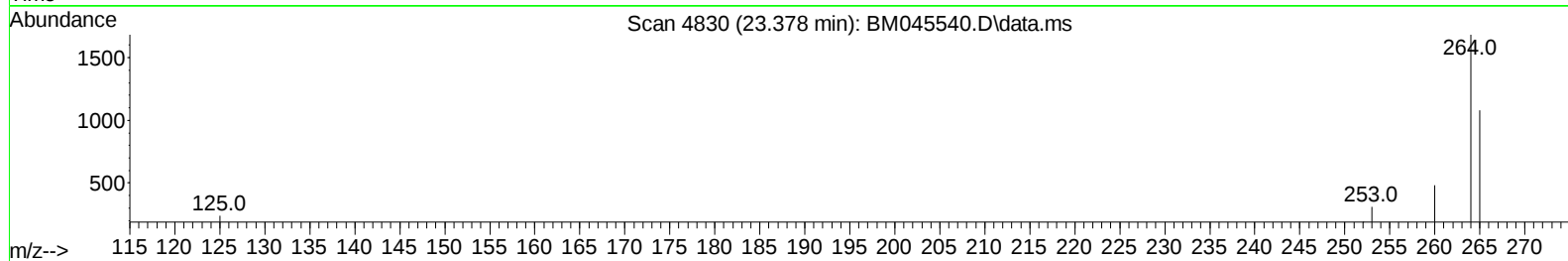
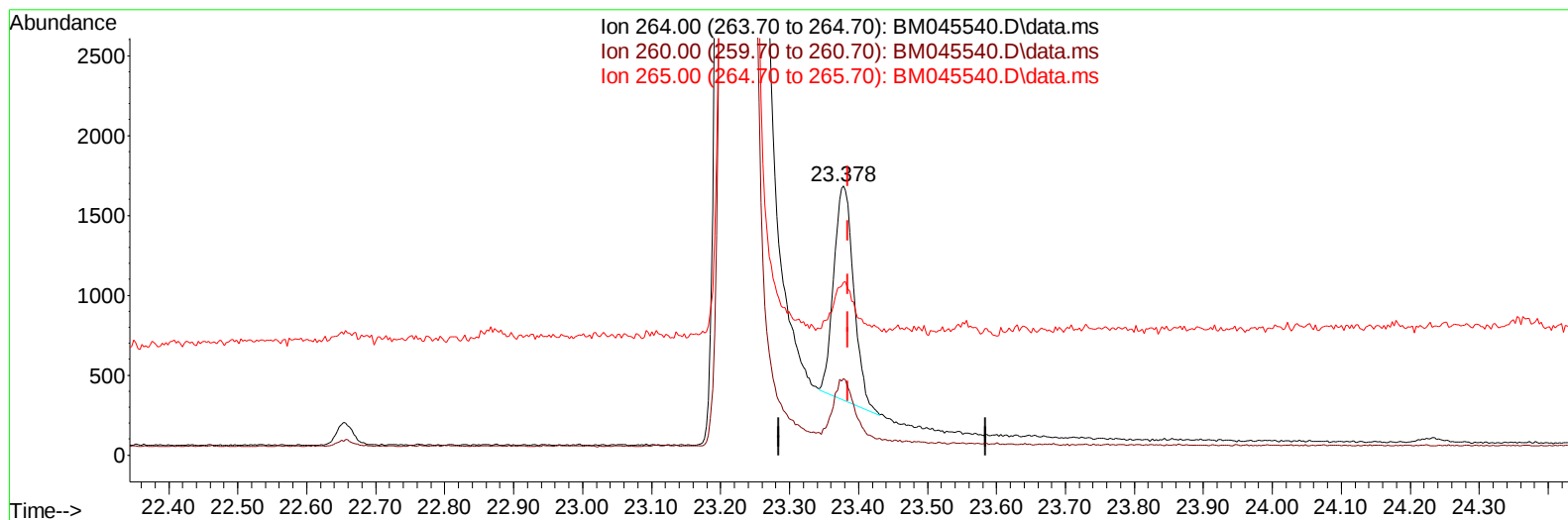
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(23) Perylene-d12 (I)

23.378min (-0.007) 0.40 ng/ul m

response 2695

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	30.50	28.52
265.00	86.70	64.23#
0.00	0.00	0.00

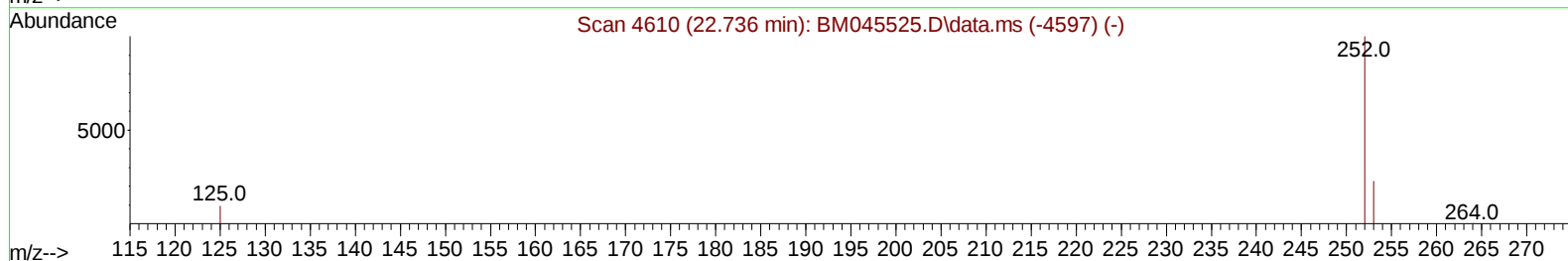
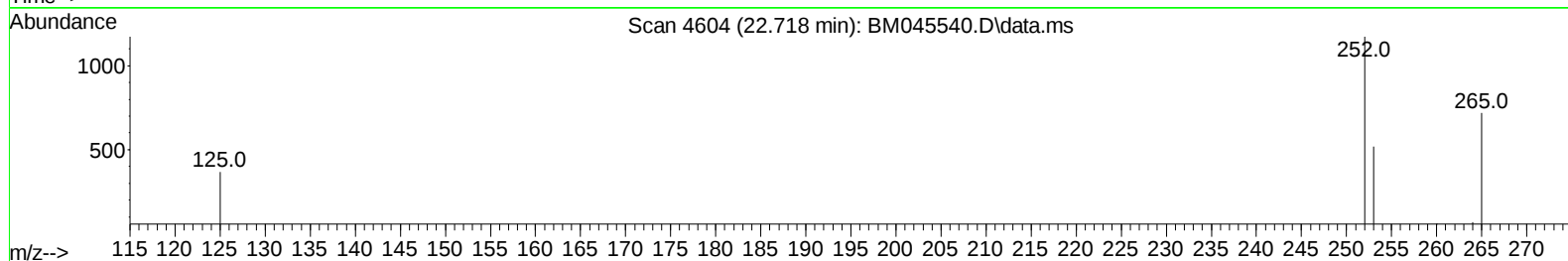
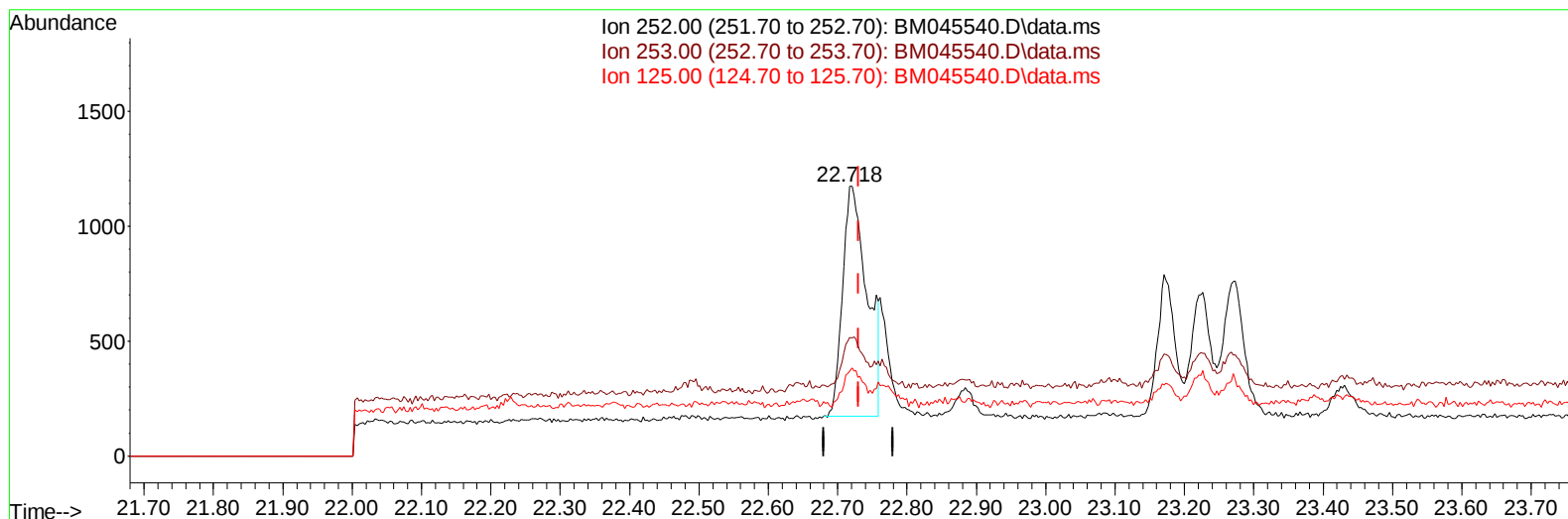
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(24) Benzo(b)fluoranthene

22.718min (-0.012) 0.27 ng/u1

response 2444

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	44.08
125.00	18.40	31.46
0.00	0.00	0.00

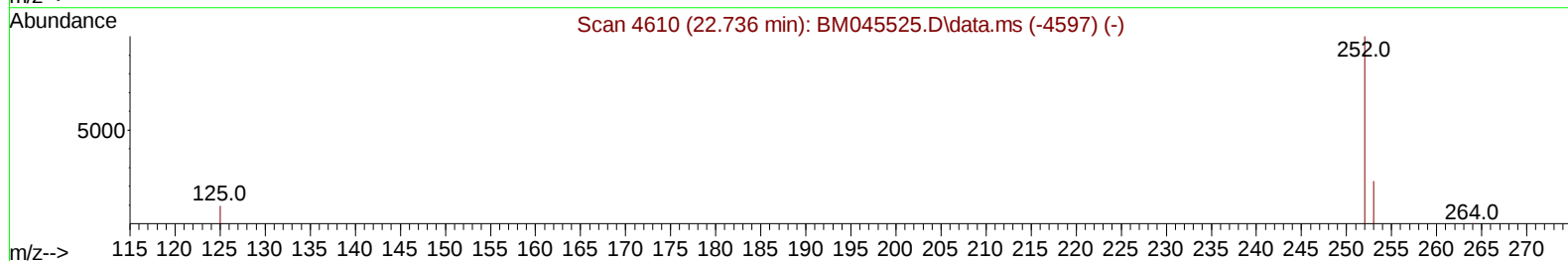
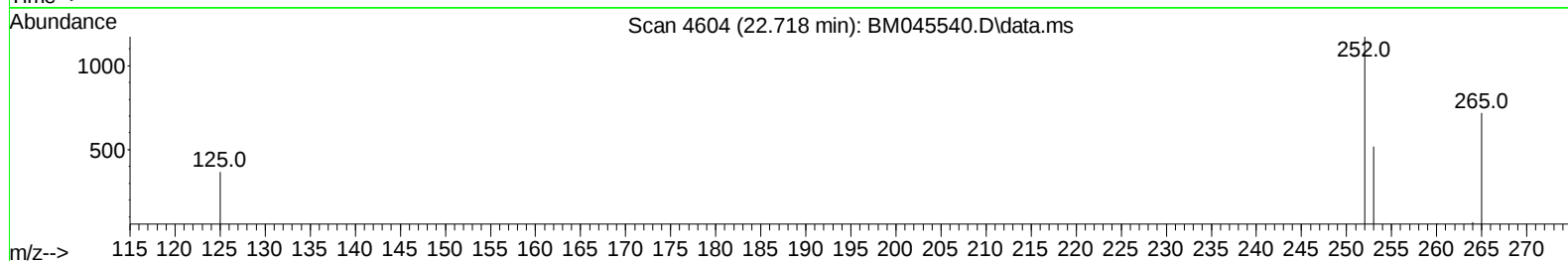
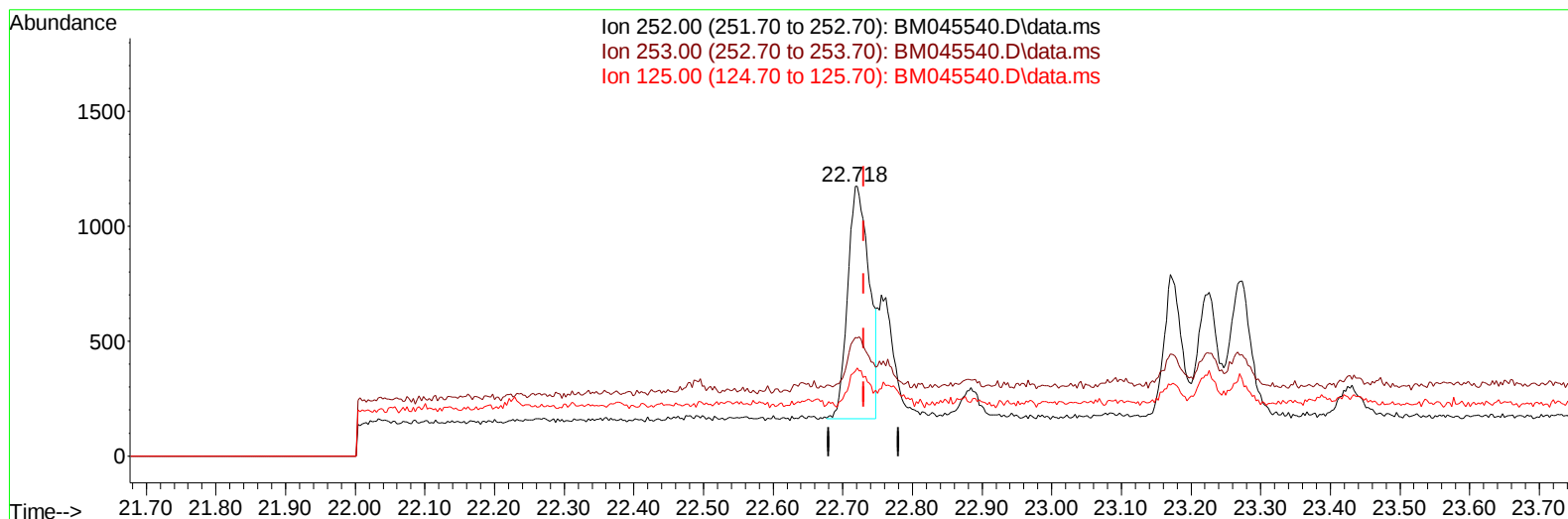
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration



TIC: BM045540.D\data.ms

(24) Benzo(b)fluoranthene

22.718min (-0.012) 0.24 ng/u1 m

response 2146

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	44.08
125.00	18.40	31.46
0.00	0.00	0.00

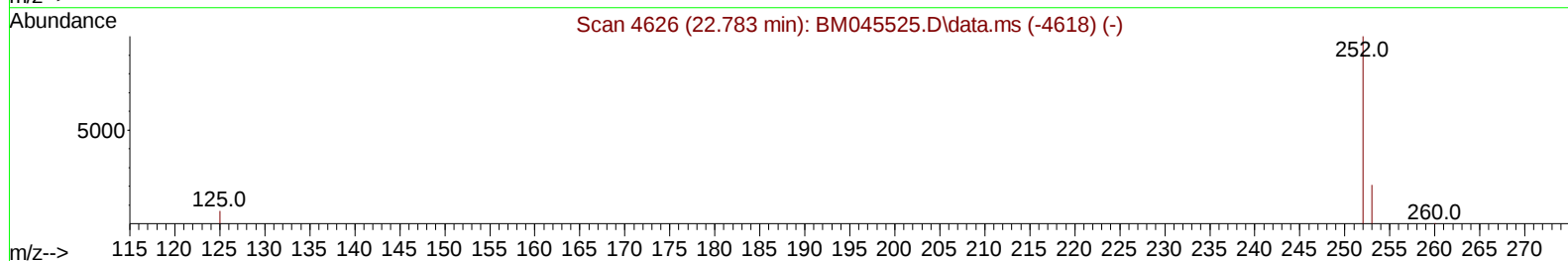
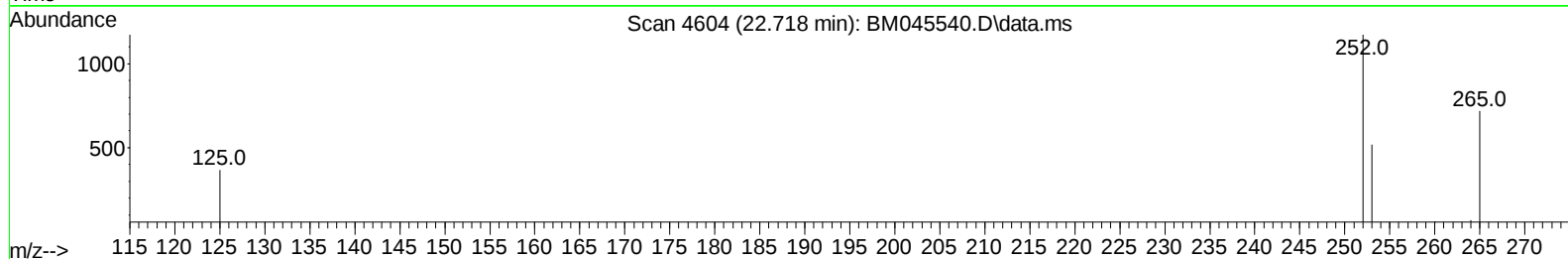
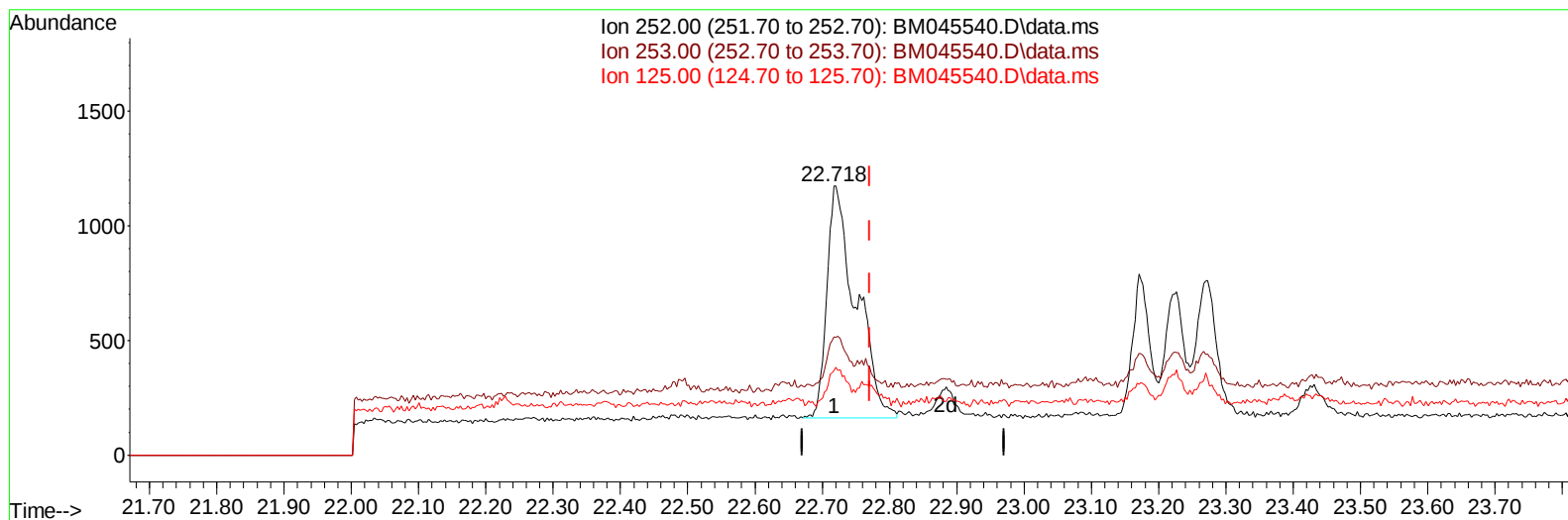
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045540.D
 Acq On : 24 Apr 2024 23:11
 Operator : MA/JU
 Sample : P2164-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
 Supervised By :mohammad ahmed 04/27/2024



TIC: BM045540.D\data.ms

(25) Benzo(k)fluoranthene

22.718min (-0.053) 0.26 ng/u1

response 3023

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	44.08#
125.00	18.50	31.46#
0.00	0.00	0.00

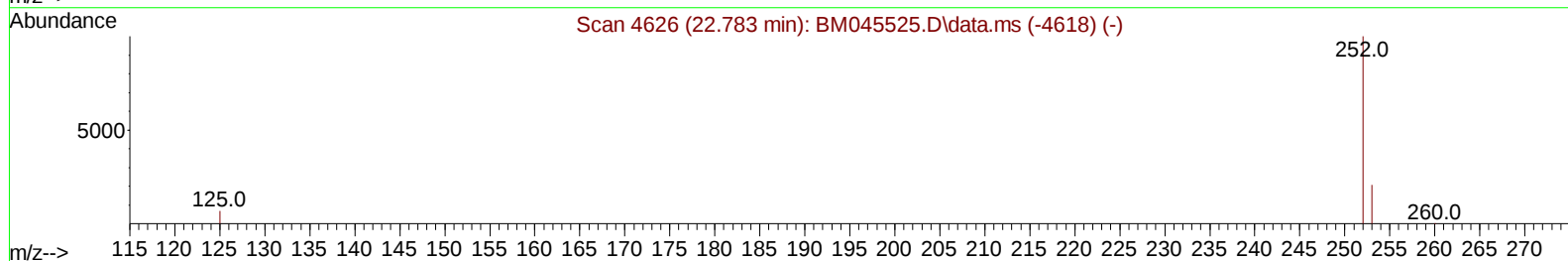
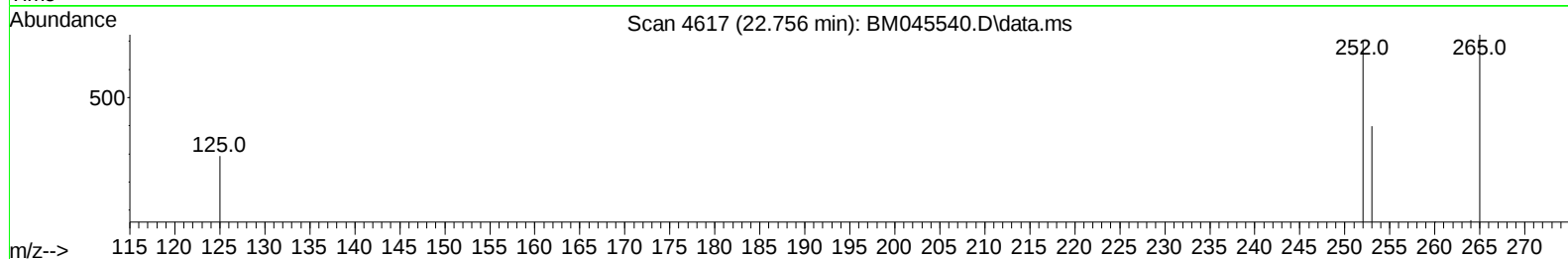
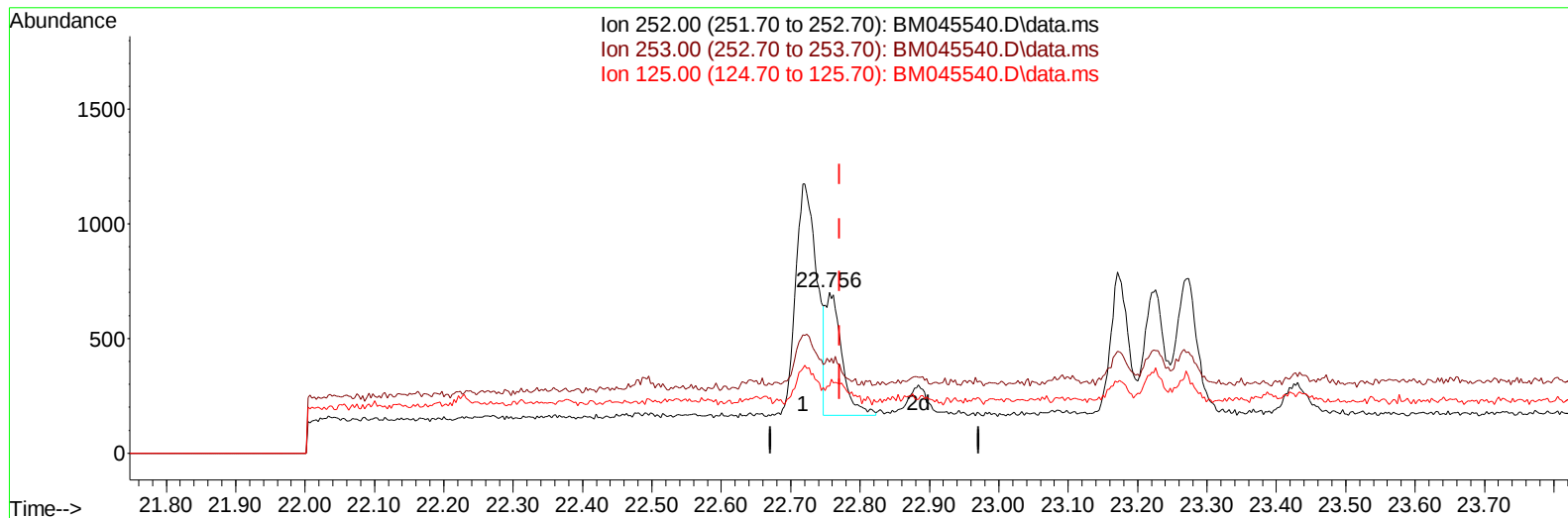
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration



TIC: BM045540.D\data.ms

(25) Benzo(k)fluoranthene

22.756min (-0.015) 0.08 ng/u1 m

response 882

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.70	56.70#
125.00	18.50	41.60#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
 Data File : BM045540.D
 Acq On : 24 Apr 2024 23:11
 Operator : MA/JU
 Sample : P2164-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/25/2024
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 25 00:07:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:17:39 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.547	152		841	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.314	136		2447	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.197	164		1403	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.964	188		2918m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.192	240		2467	0.400	ng/ul	0.00
23) Perylene-d12	23.378	264		2695m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.163	96		5279	4.683	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.931	152		1105	0.342	ng/ul	0.00
18) Fluoranthene-d10	19.007	212		2269	0.292	ng/ul	-0.01
Target Compounds							
							Qvalue
15) Phenanthrene	17.002	178		648m	0.076	ng/ul	
19) Fluoranthene	19.039	202		2117	0.186	ng/ul	98
20) Pyrene	19.397	202		2018m	0.172	ng/ul	
21) Benzo(a)anthracene	21.183	228		1111	0.141	ng/ul#	91
22) Chrysene	21.230	228		1157	0.095	ng/ul	92
24) Benzo(b)fluoranthene	22.718	252		2146m	0.237	ng/ul	
25) Benzo(k)fluoranthene	22.756	252		882m	0.077	ng/ul	
26) Benzo(a)pyrene	23.273	252		1171	0.125	ng/ul#	67
27) Indeno(1,2,3-cd)pyrene	25.587	276		1220	0.089	ng/ul#	90
29) Benzo(g,h,i)perylene	26.258	276		1251	0.102	ng/ul#	77

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042424\
Data File : BM045540.D
Acq On : 24 Apr 2024 23:11
Operator : MA/JU
Sample : P2164-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA3

Manual IntegrationsAPPROVED

Quant Time: Apr 25 00:07:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:17:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 04/25/2024
Supervised By :mohammad ahmed 04/27/2024

