

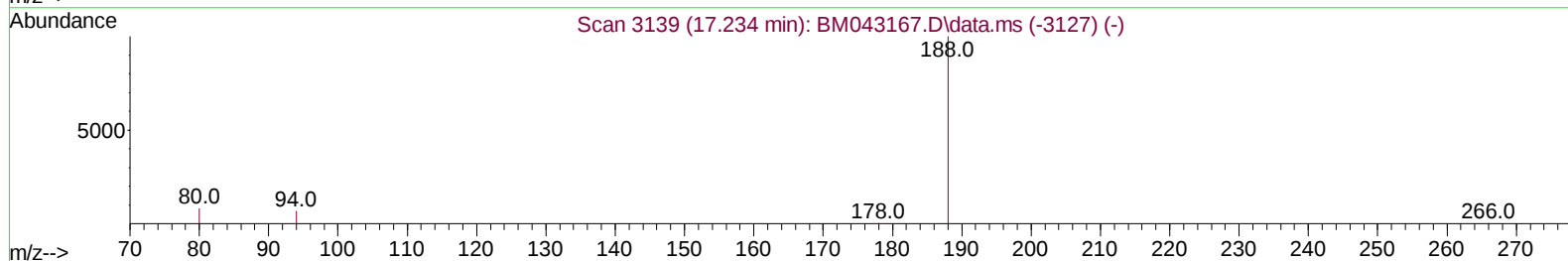
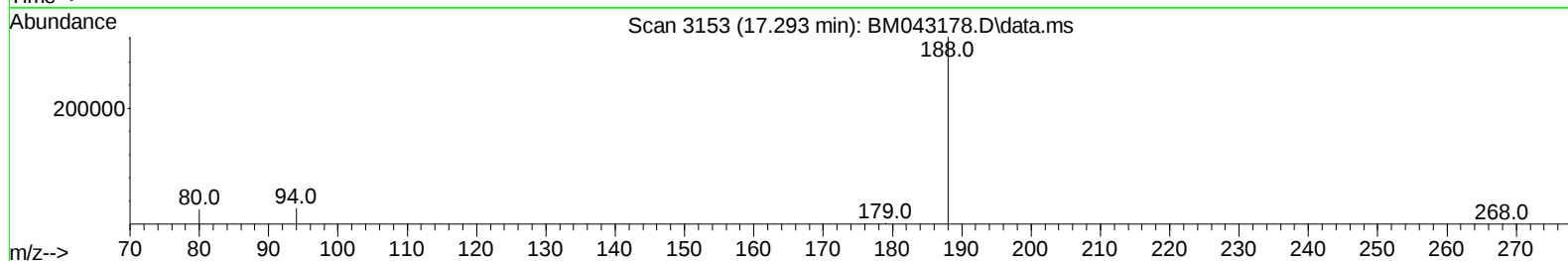
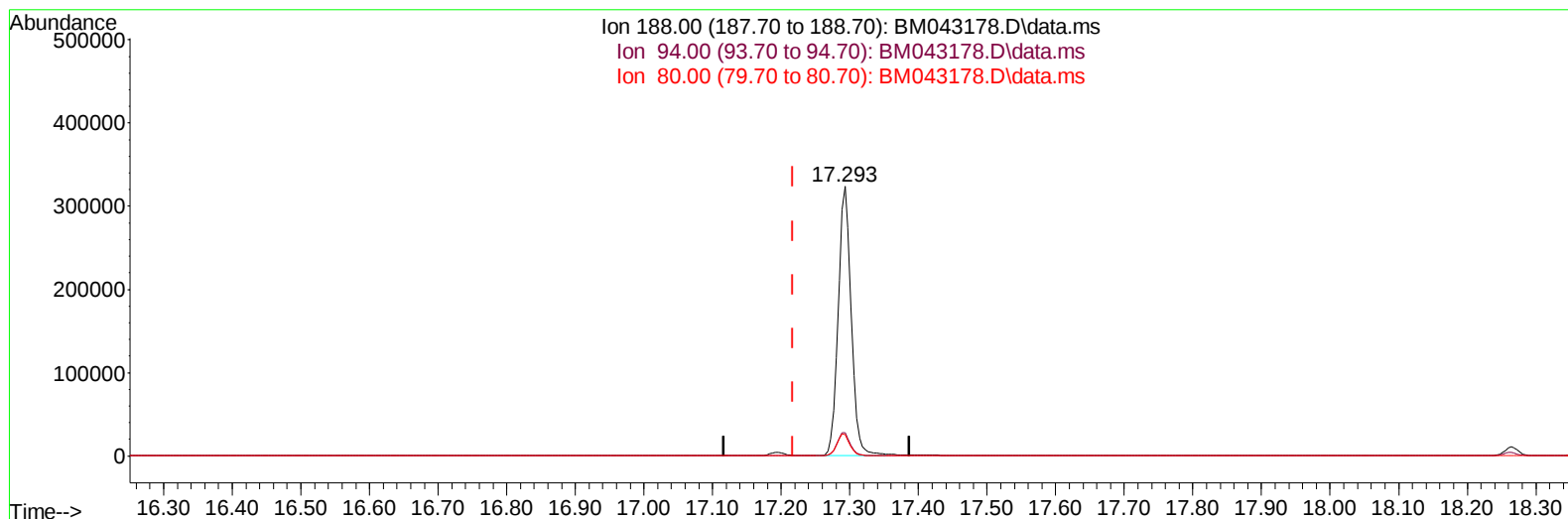
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(13) Phenanthrene-d10 (I)

17.293min (+ 0.076) 0.40 ng/u1

response 426048

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.63#
80.00	12.70	7.89#
0.00	0.00	0.00

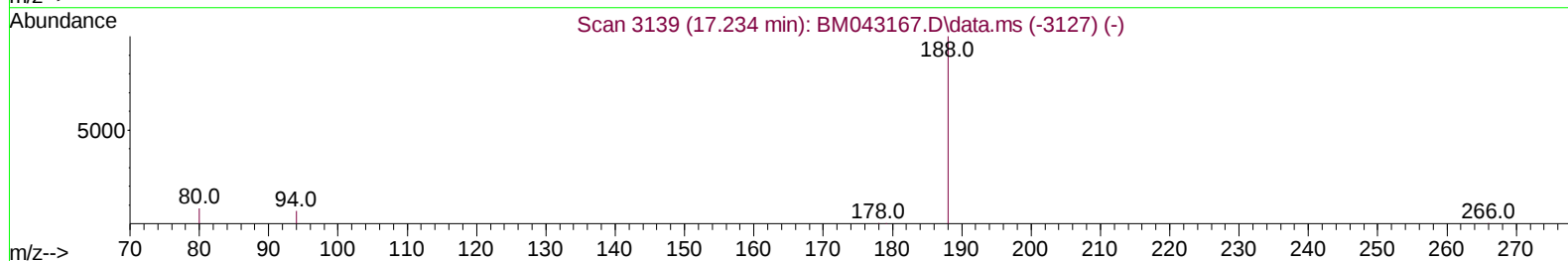
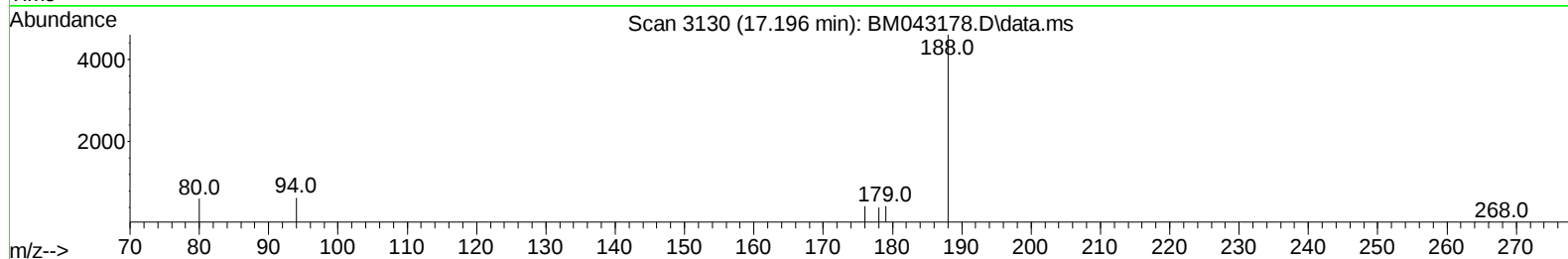
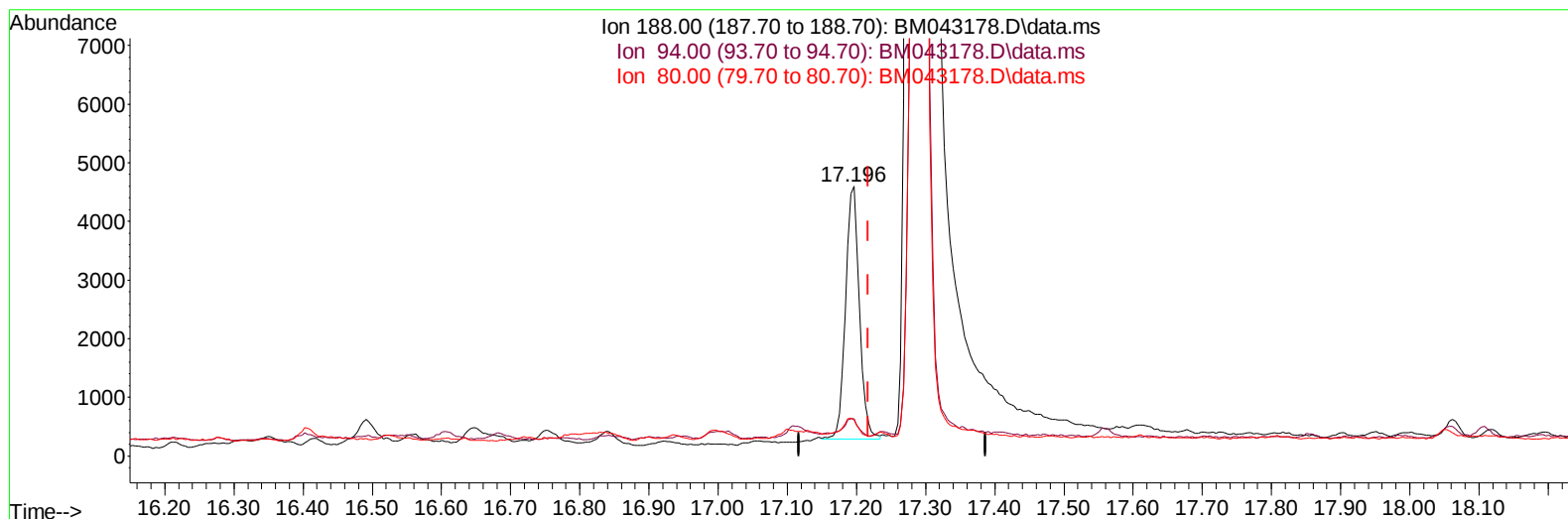
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(13) Phenanthrene-d10 (I)

17.196min (-0.021) 0.40 ng/ul m

response 5963

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	13.87#
80.00	12.70	13.43
0.00	0.00	0.00

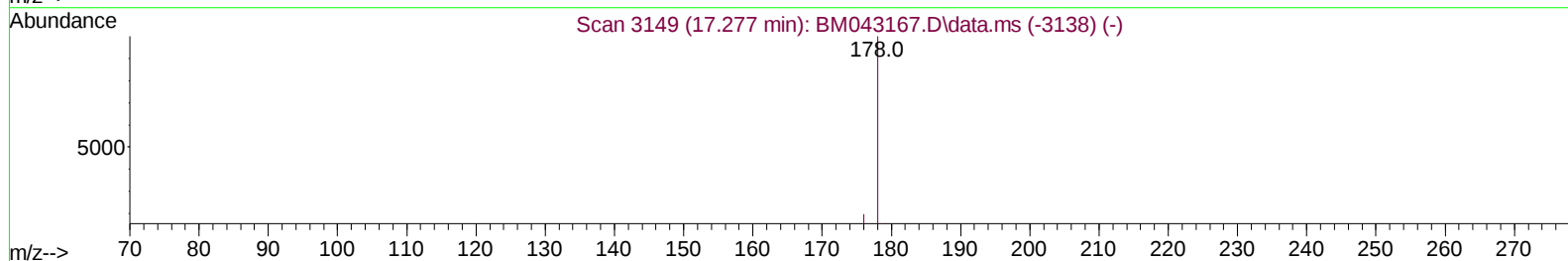
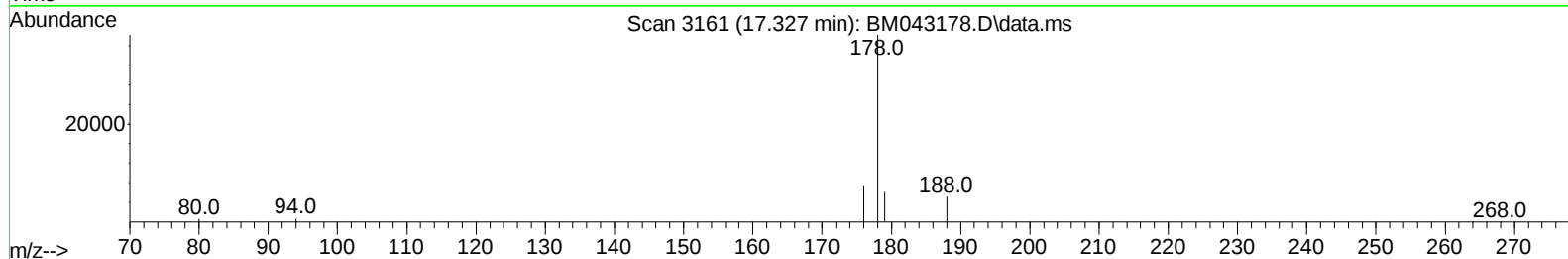
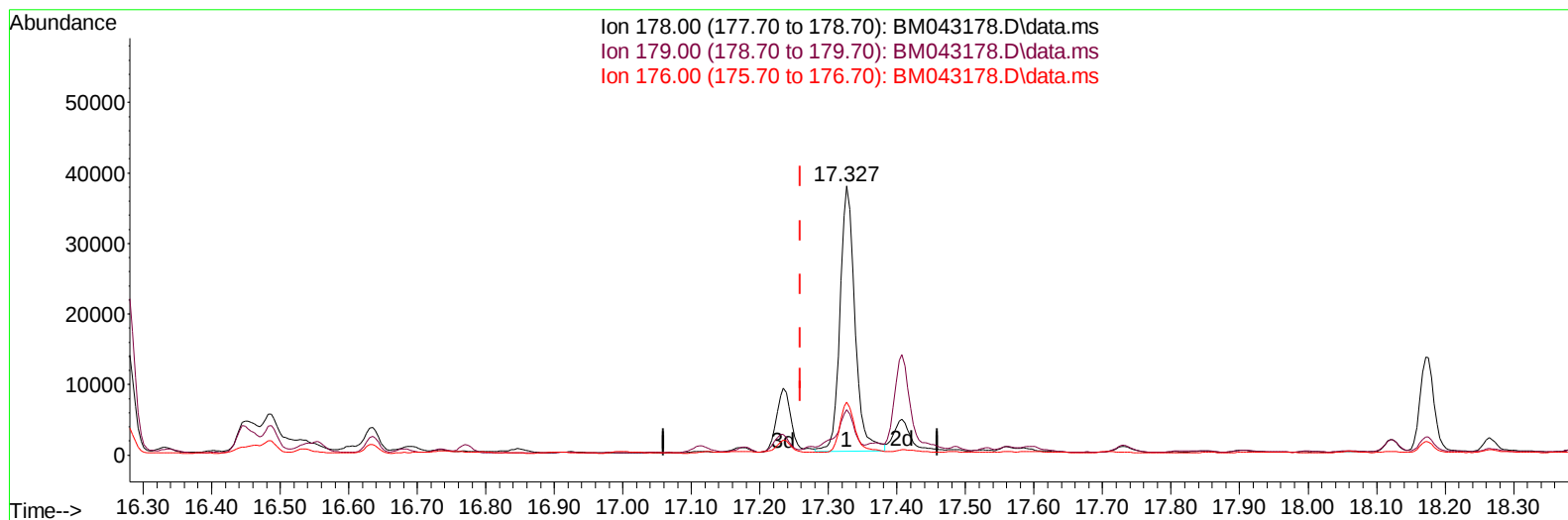
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043178.D
Acq On : 04 Dec 2023 16:17
Operator : MA/JU
Sample : 05582-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(15) Phenanthrene

17.327min (+ 0.068) 3.35 ng/u1

response 57084

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	16.80
176.00	23.60	19.67
0.00	0.00	0.00

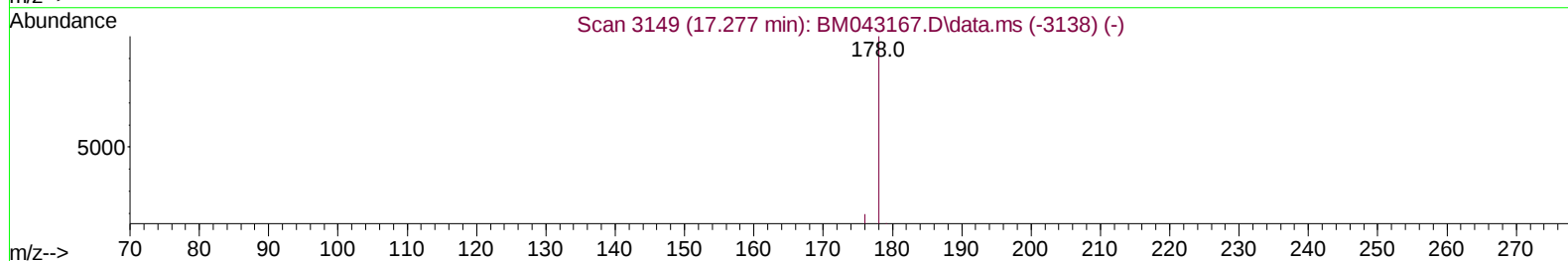
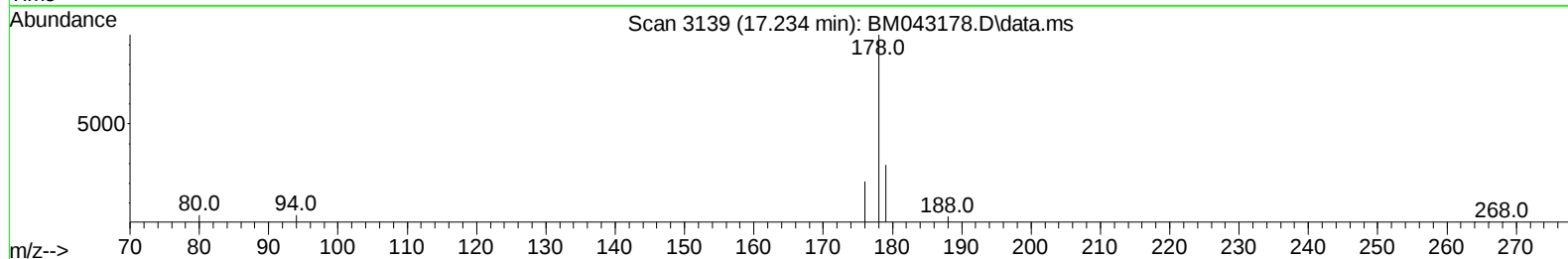
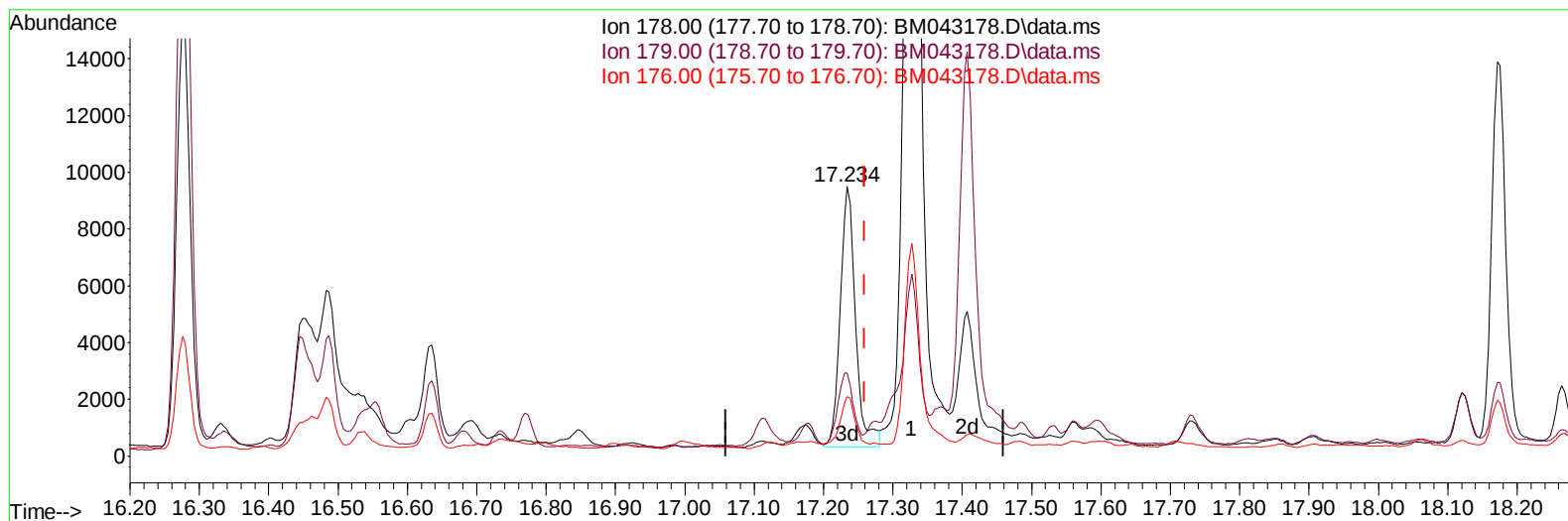
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(15) Phenanthrene

17.234min (-0.025) 0.83 ng/ul m

response 14079

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	19.60	30.77#
176.00	23.60	22.02
0.00	0.00	0.00

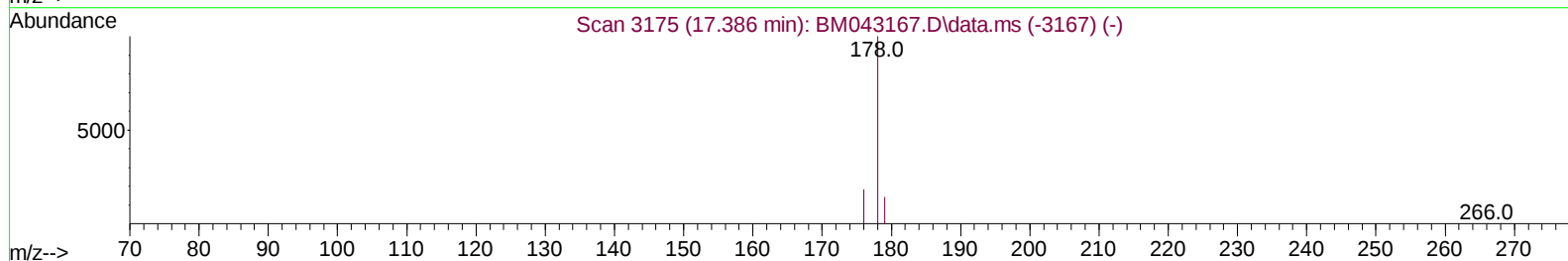
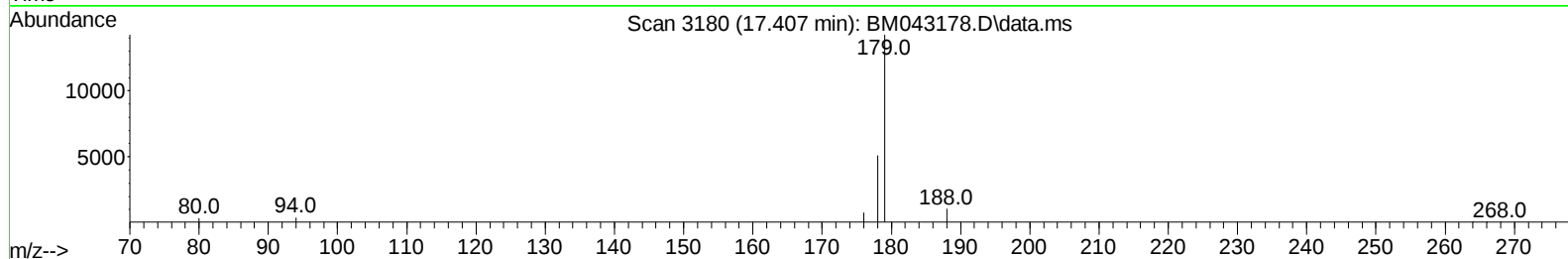
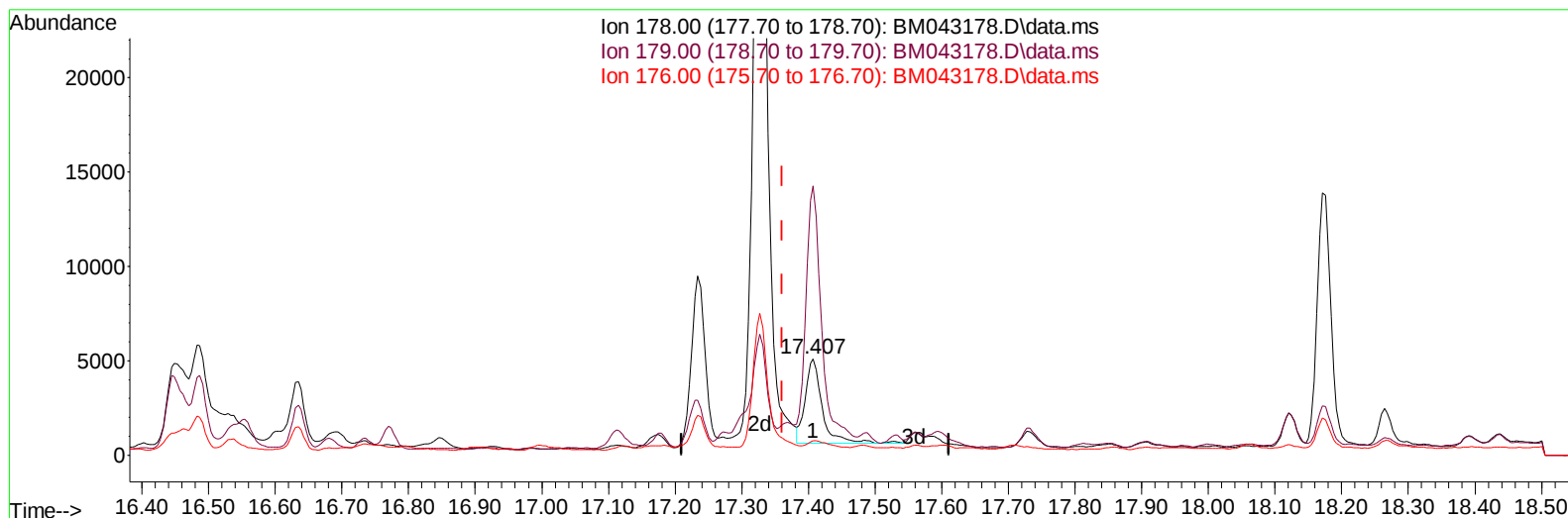
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(16) Anthracene

17.407min (+ 0.046) 0.49 ng/u1

response 7910

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	21.60	279.65#
176.00	25.60	14.97#
0.00	0.00	0.00

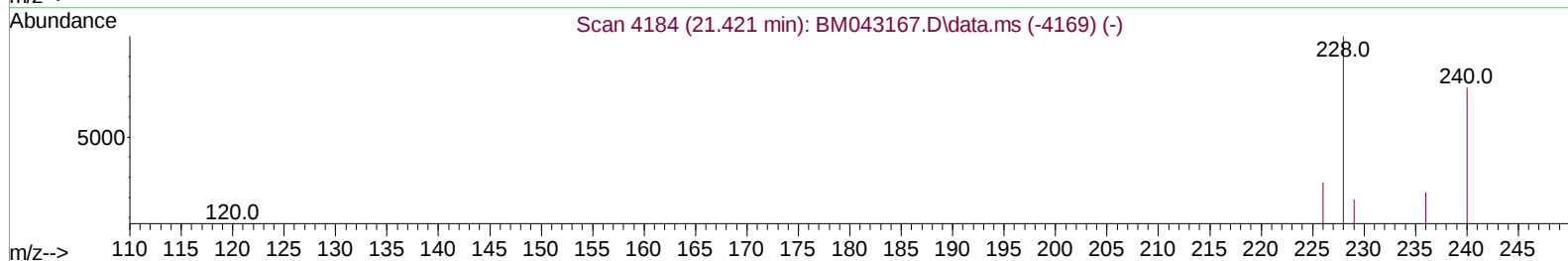
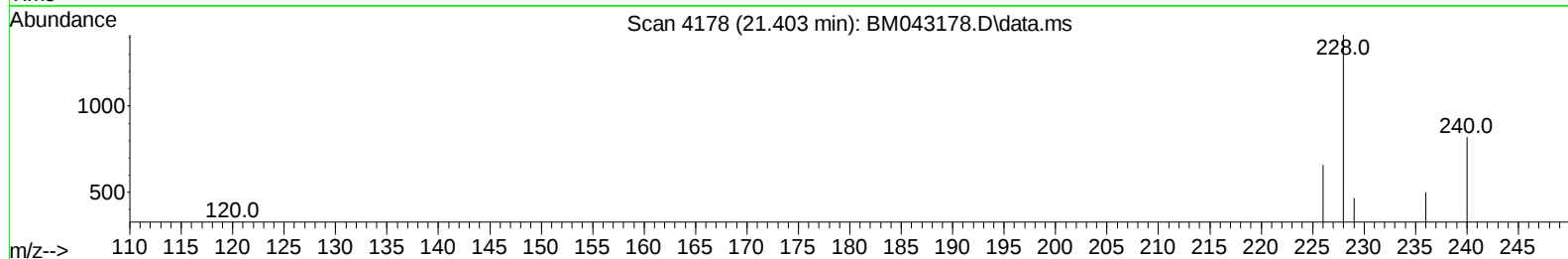
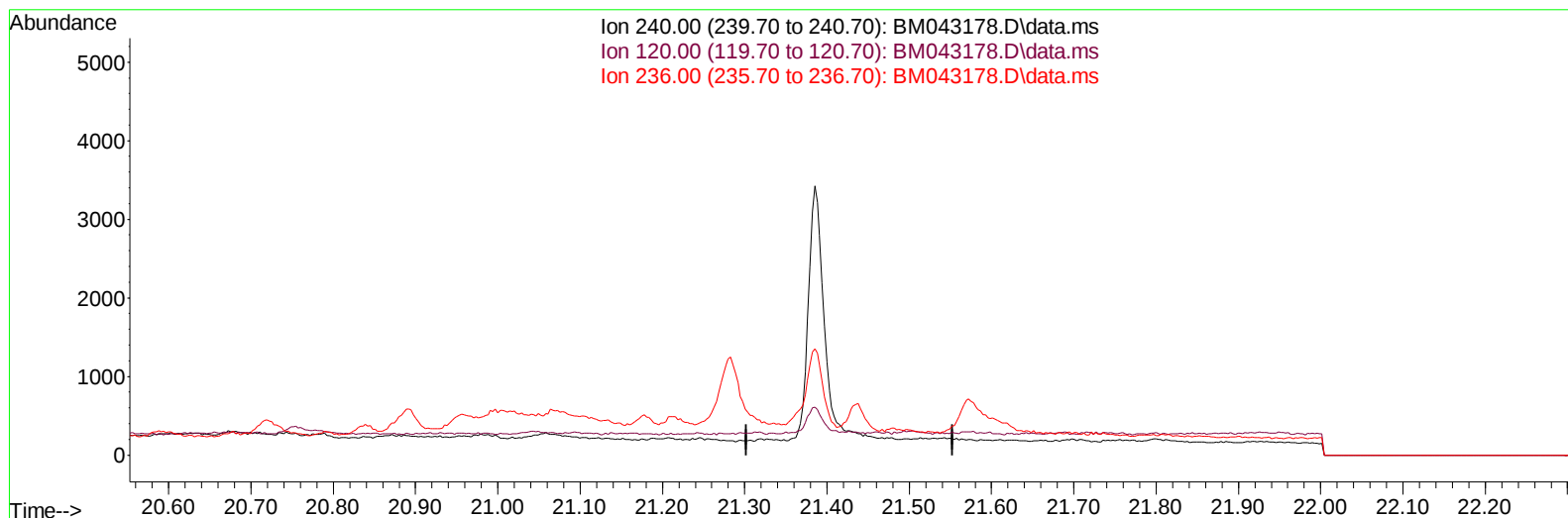
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043178.D
Acq On : 04 Dec 2023 16:17
Operator : MA/JU
Sample : 05582-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(17) Chrysene-d12

21.403min (-21.403) 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

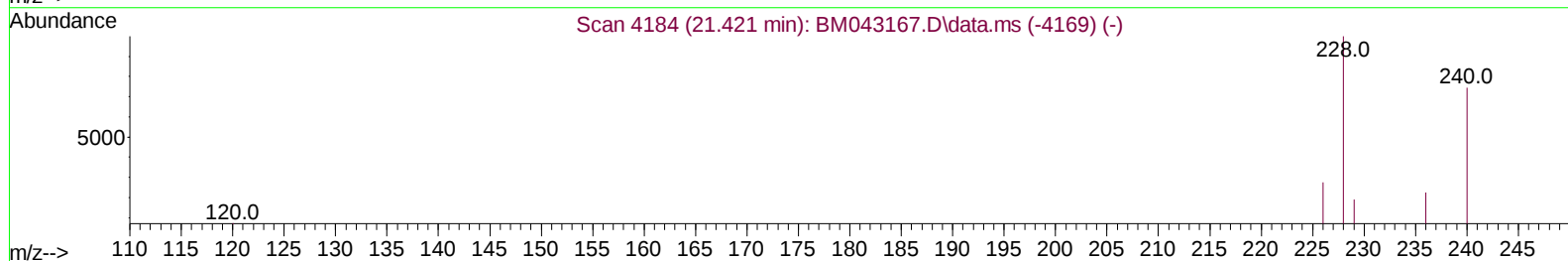
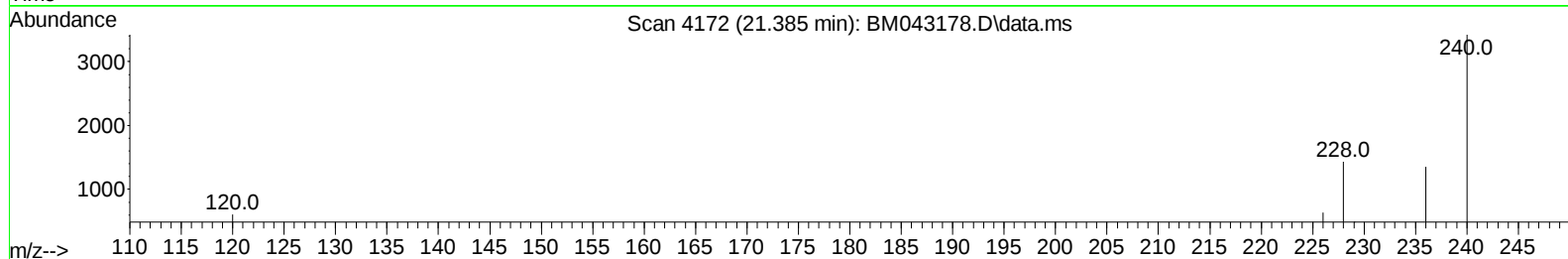
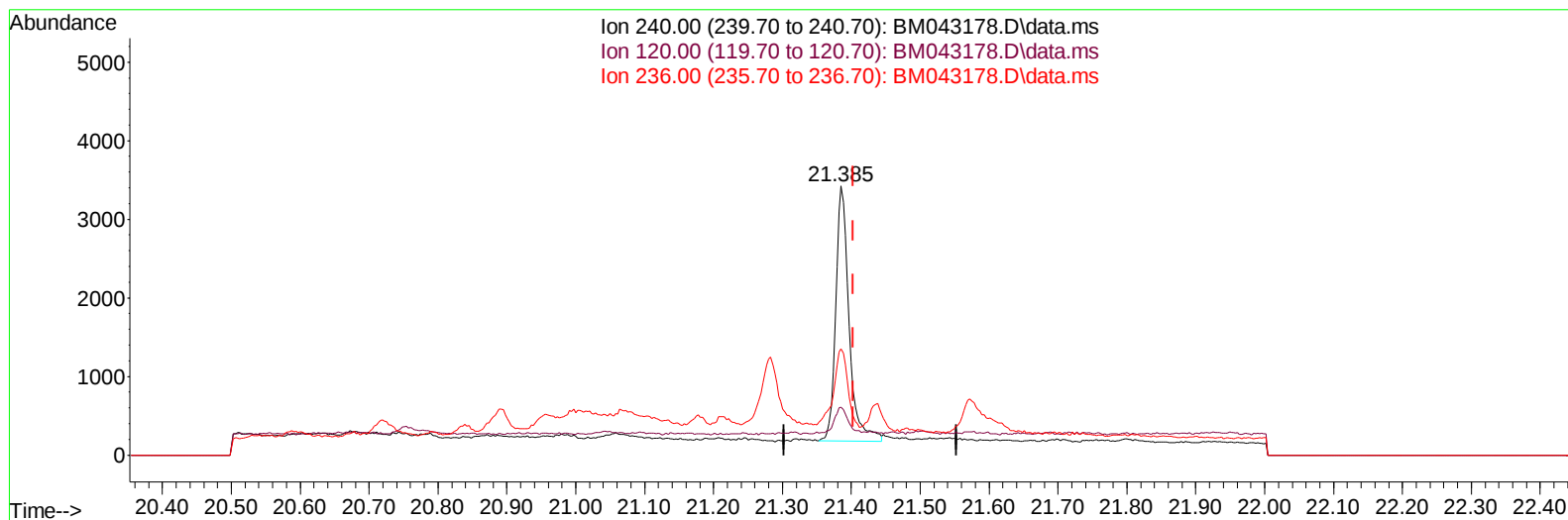
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043178.D
Acq On : 04 Dec 2023 16:17
Operator : MA/JU
Sample : 05582-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(17) Chrysene-d12

21.385min (-0.018) 0.40 ng/u1 m

response 4360

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	17.80#
236.00	38.50	39.54
0.00	0.00	0.00

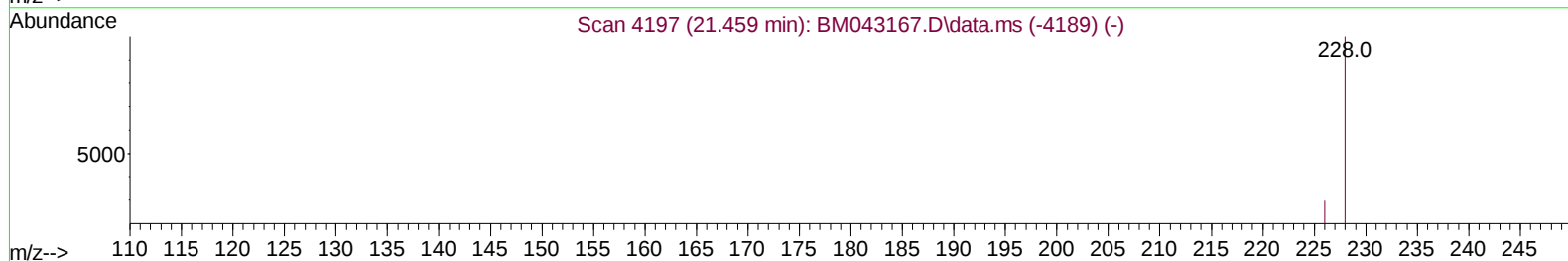
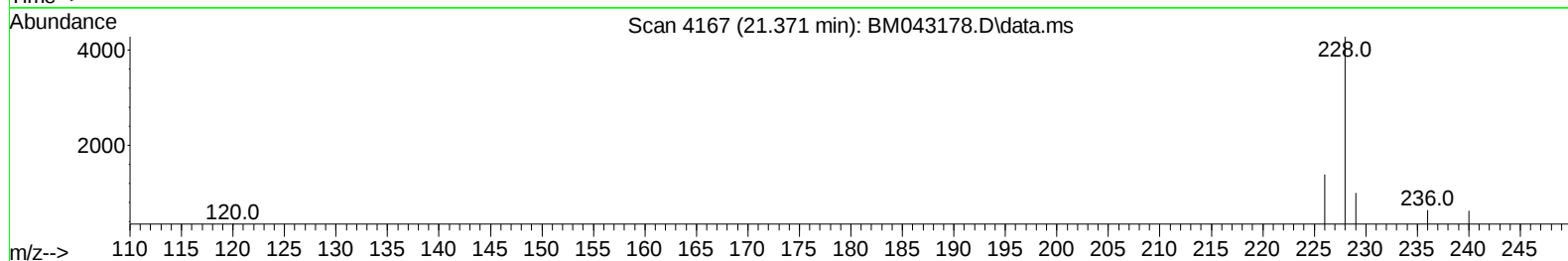
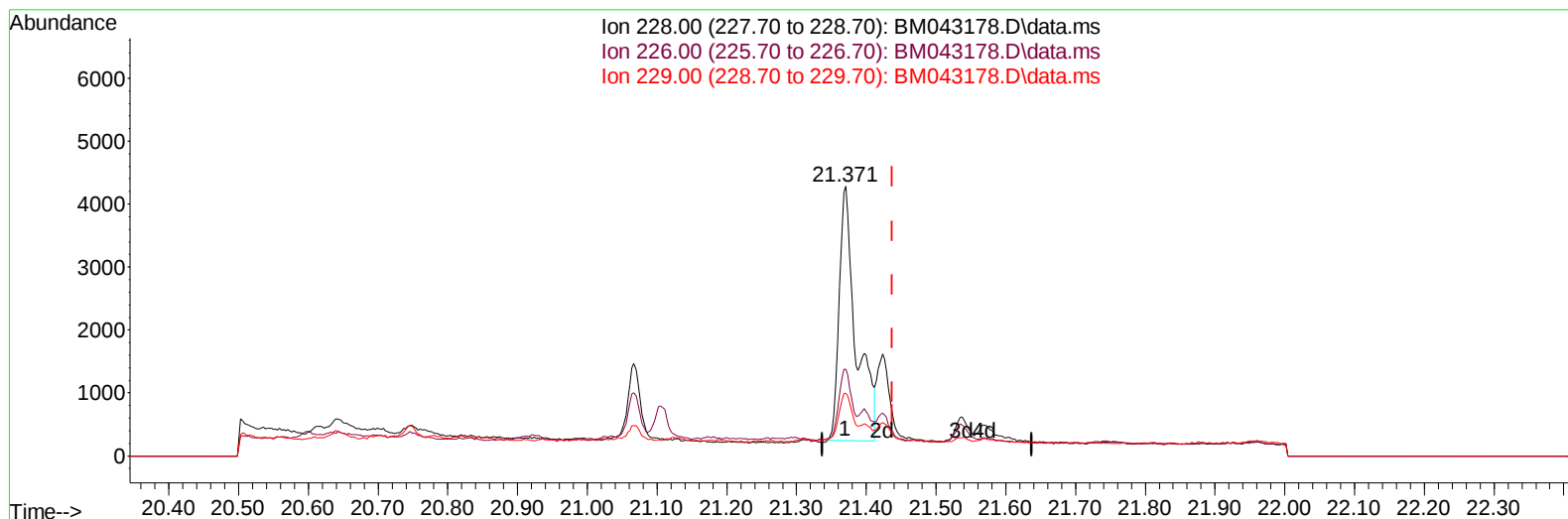
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043178.D
Acq On : 04 Dec 2023 16:17
Operator : MA/JU
Sample : 05582-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(22) Chrysene

21.371min (-0.067) 0.26 ng/u1

response 6757

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	32.24
229.00	22.50	23.29
0.00	0.00	0.00

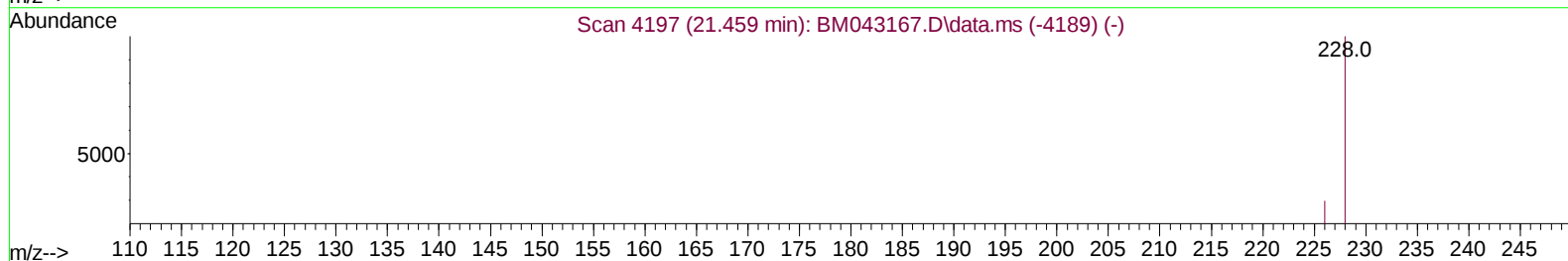
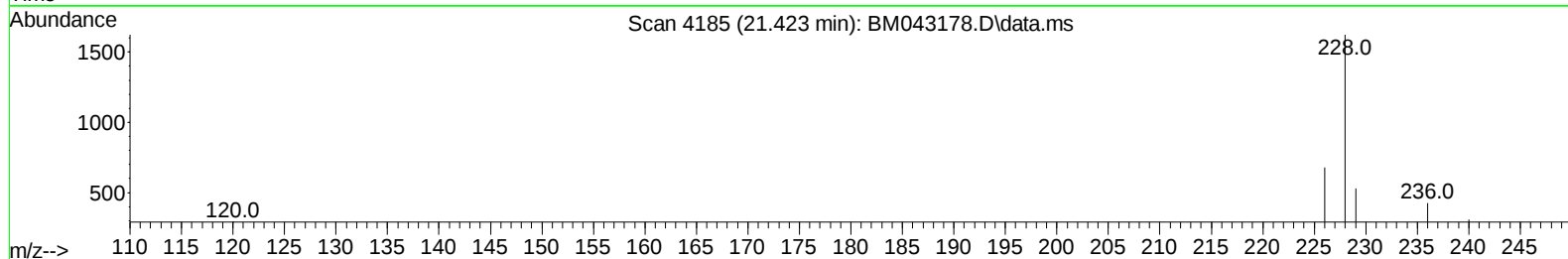
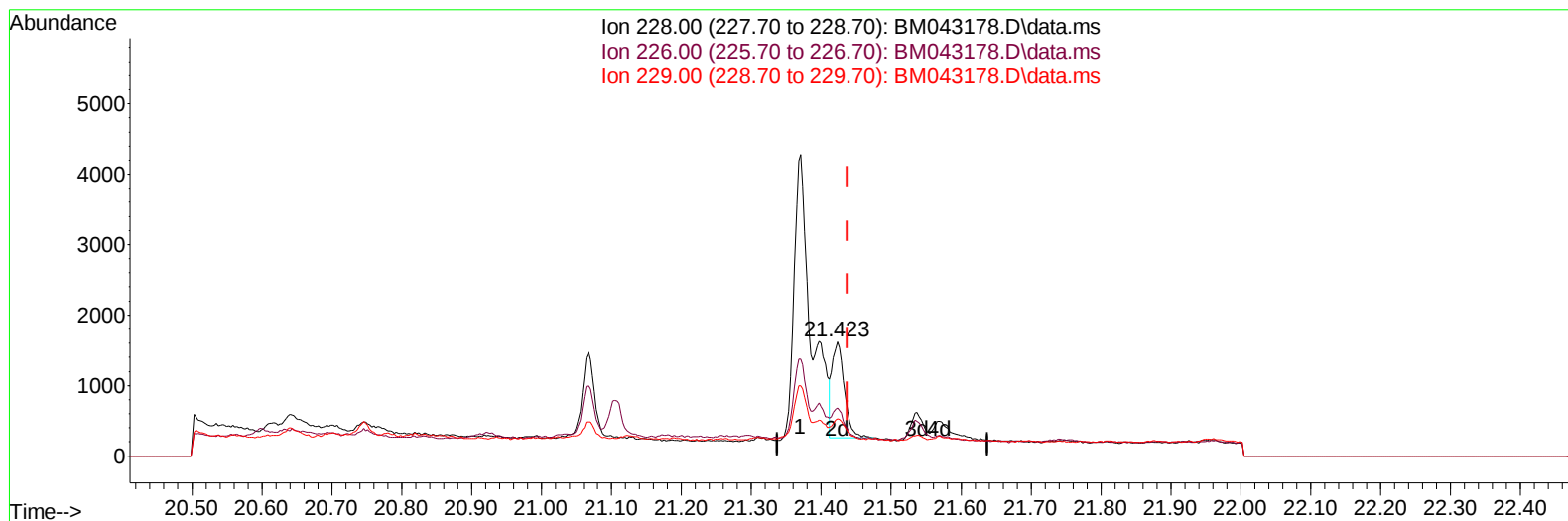
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(22) Chrysene

21.423min (-0.015) 0.06 ng/ul m

response 1680

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	41.77#
229.00	22.50	32.53#
0.00	0.00	0.00

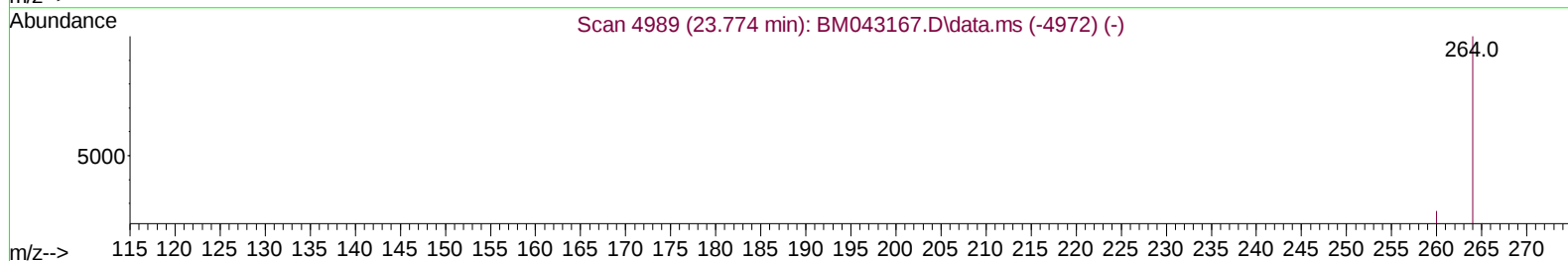
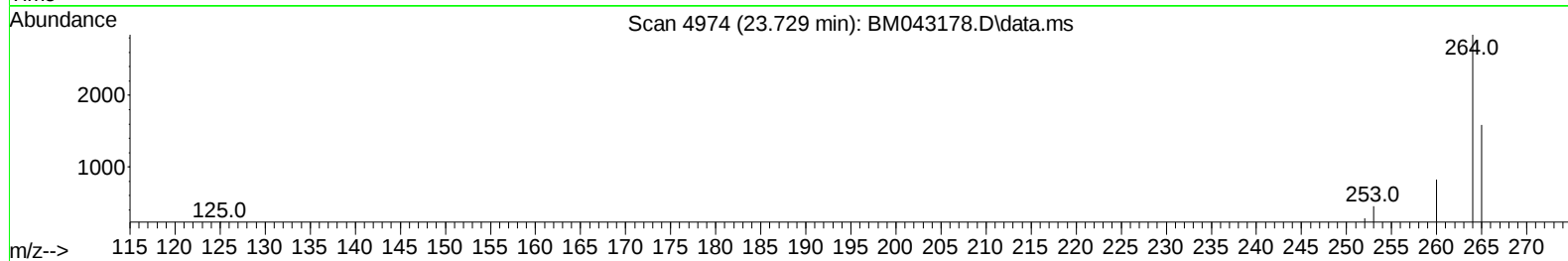
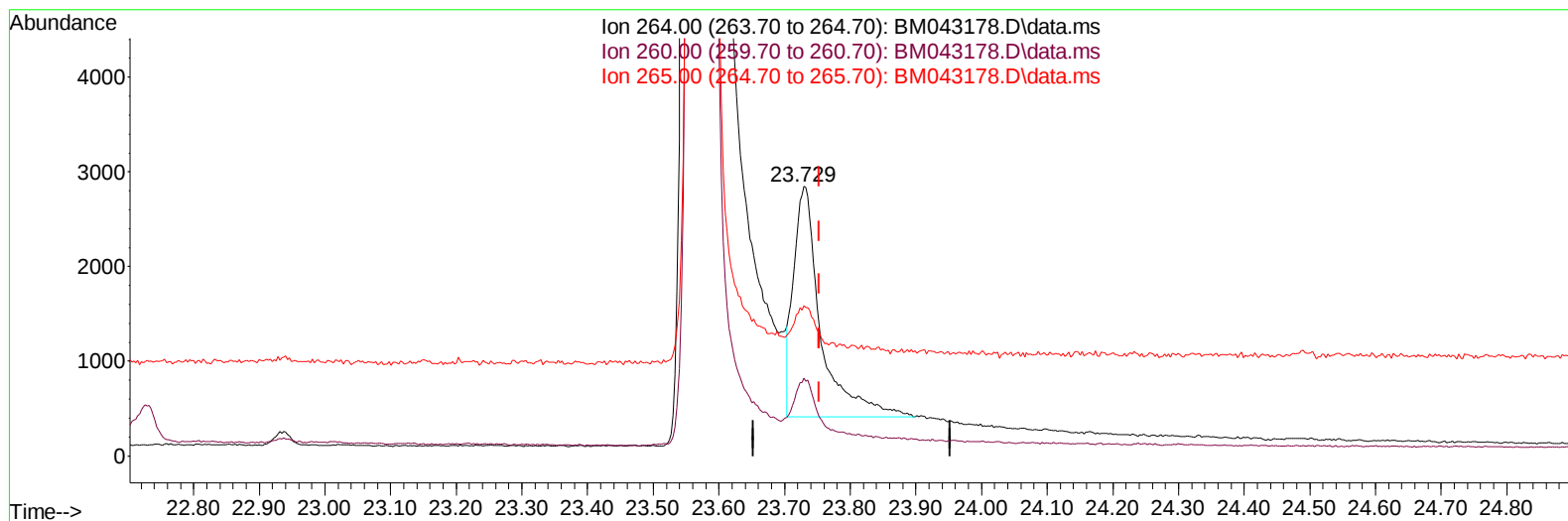
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(23) Perylene-d12 (I)

23.729min (-0.023) 0.40 ng/u1

response 7075

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.92
265.00	120.30	55.87#
0.00	0.00	0.00

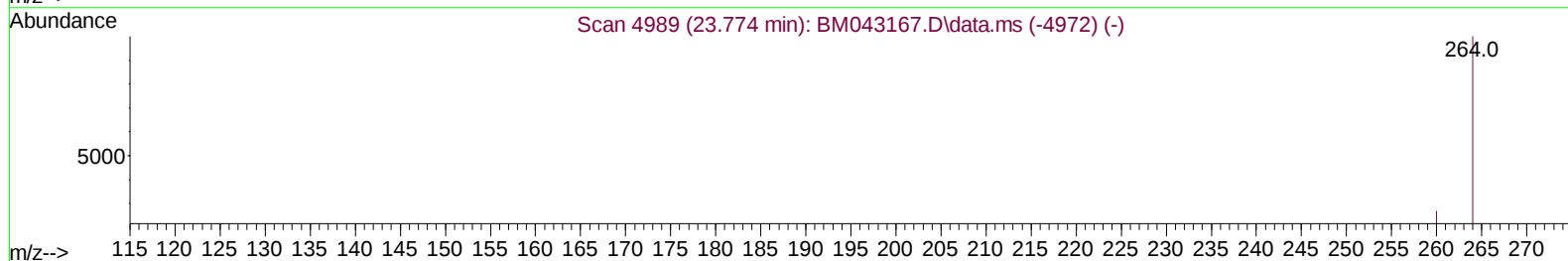
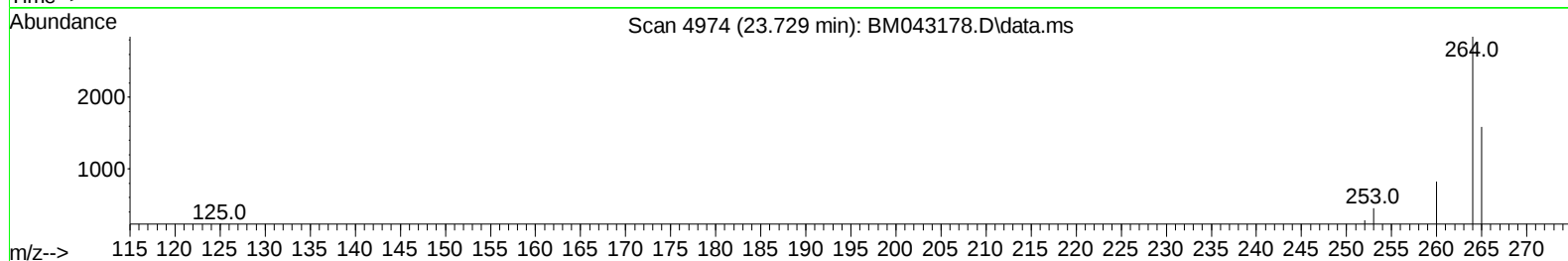
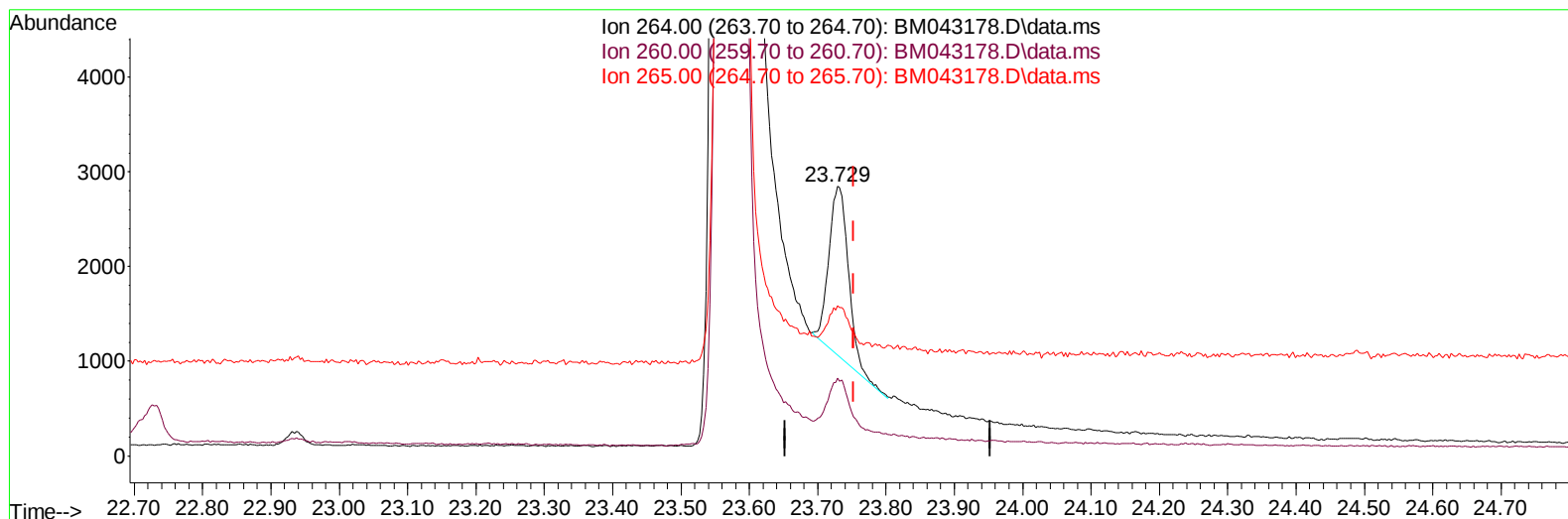
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



TIC: BM043178.D\data.ms

(23) Perylene-d12 (I)

23.729min (-0.023) 0.40 ng/ul m

response 3518

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.92
265.00	120.30	55.87#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
 Data File : BM043178.D
 Acq On : 04 Dec 2023 16:17
 Operator : MA/JU
 Sample : 05582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.796	152		1075	0.400	ng/ul	#-0.03
4) Naphthalene-d8	10.590	136		3259	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.437	164		2557	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.196	188		5963m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.385	240		4360m	0.400	ng/ul	-0.02
23) Perylene-d12	23.729	264		3518m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.151	96		4224	2.561	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.185	152		1342	0.308	ng/ul	-0.04
18) Fluoranthene-d10	19.225	212		5691	0.358	ng/ul	-0.01
Target Compounds							Qvalue
5) Naphthalene	10.645	128		1354	0.153	ng/ul	97
7) 2-Methylnaphthalene	12.262	142		184	0.035	ng/ul	92
8) 1-Methylnaphthalene	12.476	142		2008	0.345	ng/ul	98
10) Acenaphthylene	14.164	152		14492	1.110	ng/ul	97
11) Acenaphthene	14.507	153	2592846	262.240	ng/ul		95
12) Fluorene	15.492	166	401203	39.517	ng/ul		97
15) Phenanthrene	17.234	178	14079m	0.827	ng/ul		
16) Anthracene	17.327	178	55482m	3.441	ng/ul		
19) Fluoranthene	19.253	202	386154	15.622	ng/ul#		93
20) Pyrene	19.620	202	202837	7.716	ng/ul#		94
21) Benzo(a)anthracene	21.371	228	6747	0.477	ng/ul		98
22) Chrysene	21.423	228	1680m	0.064	ng/ul		

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120423\
Data File : BM043178.D
Acq On : 04 Dec 2023 16:17
Operator : MA/JU
Sample : 05582-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AJ6

Manual IntegrationsAPPROVED

Quant Time: Dec 04 16:48:21 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 : Sat Dec 02 23:54:55 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

