

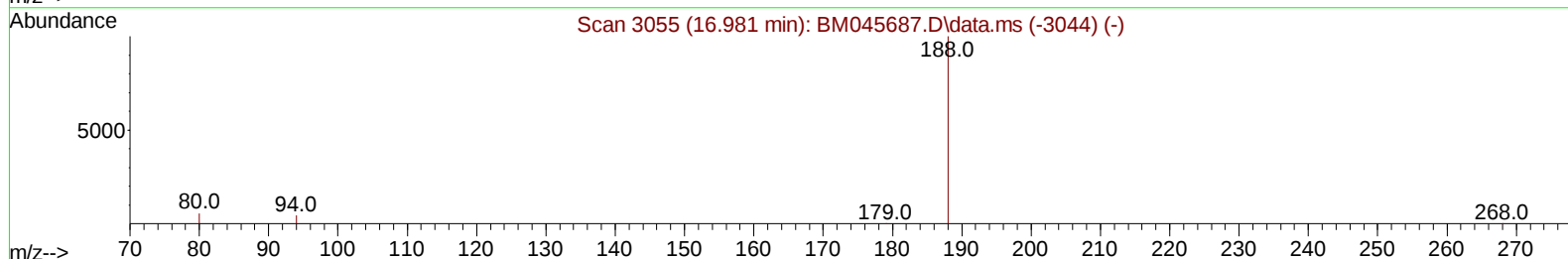
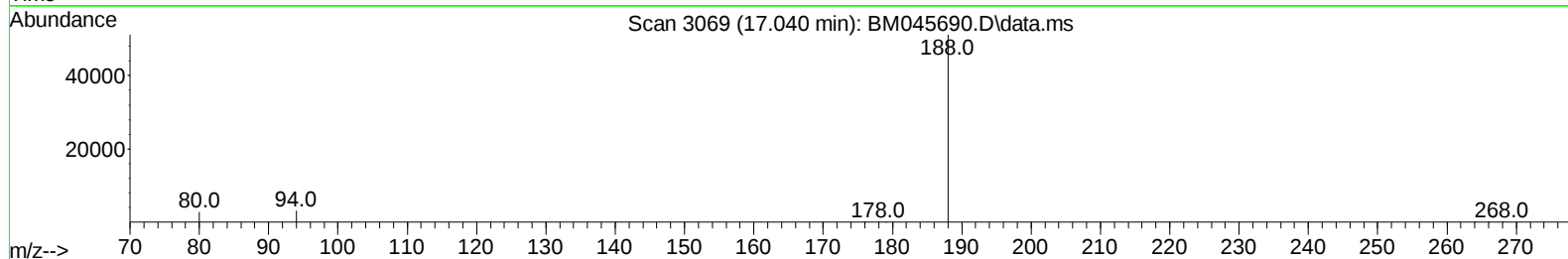
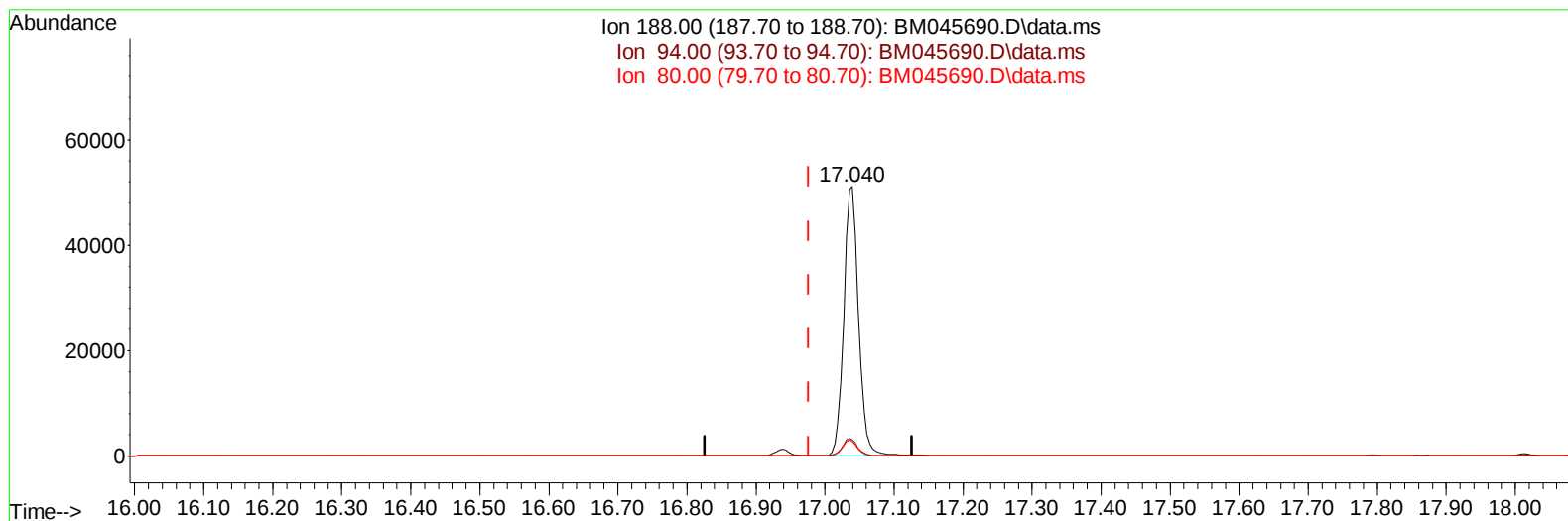
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(13) Phenanthrene-d10 (I)

17.040min (+ 0.063) 0.40 ng/u1

response 75442

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	6.07#
80.00	15.50	5.43#
0.00	0.00	0.00

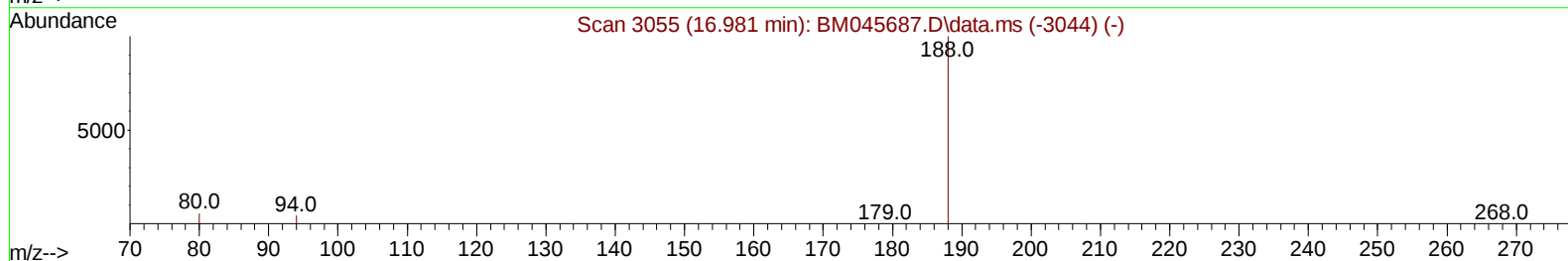
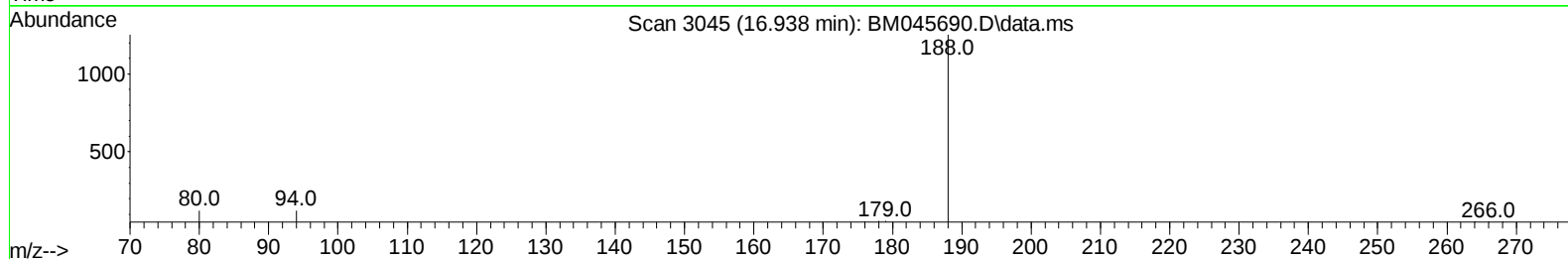
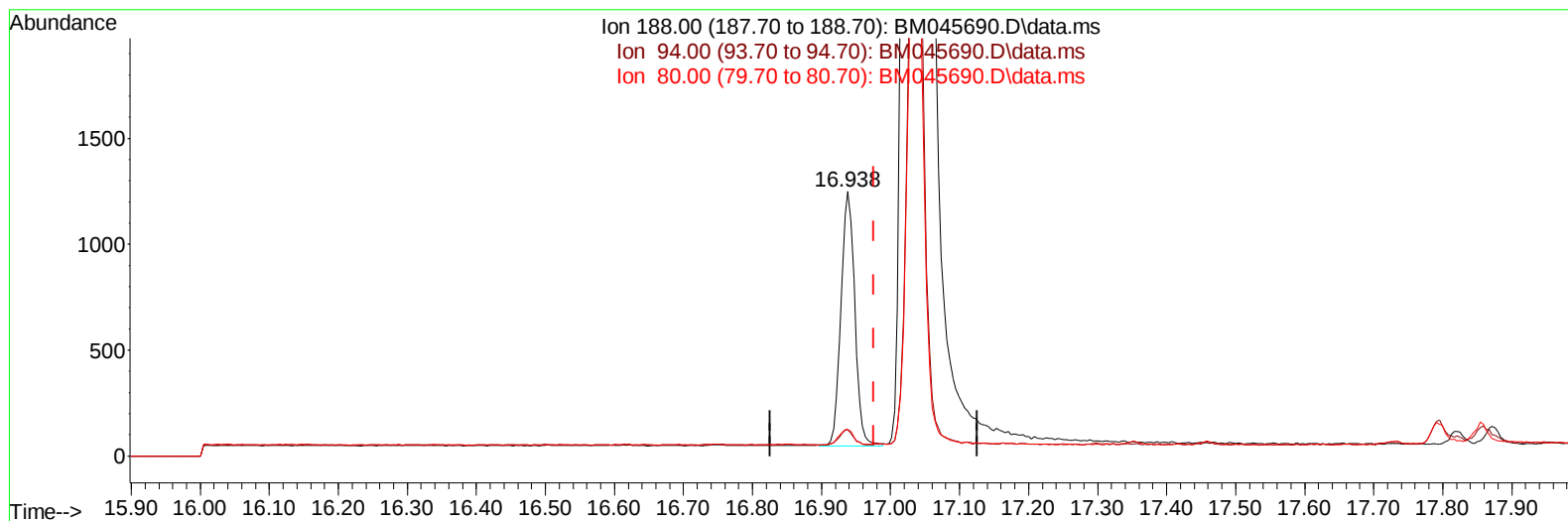
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(13) Phenanthrene-d10 (I)

16.938min (-0.038) 0.40 ng/u1 m

response 1682

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	16.10	9.99#
80.00	15.50	9.99#
0.00	0.00	0.00

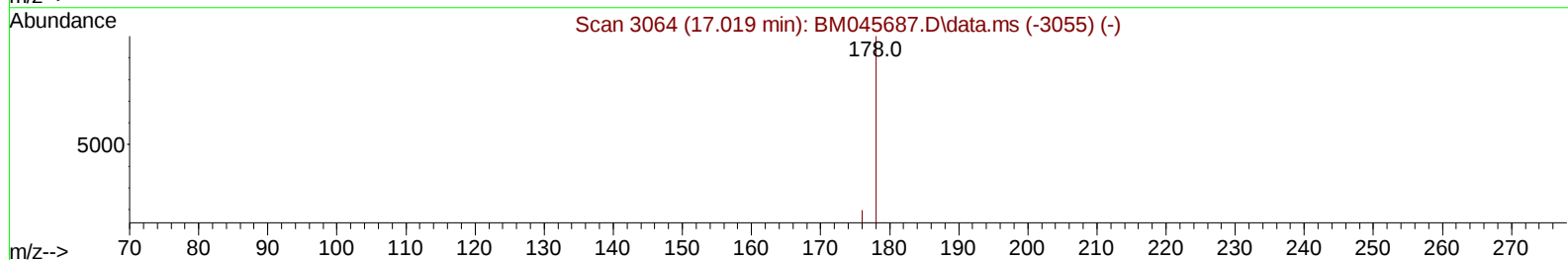
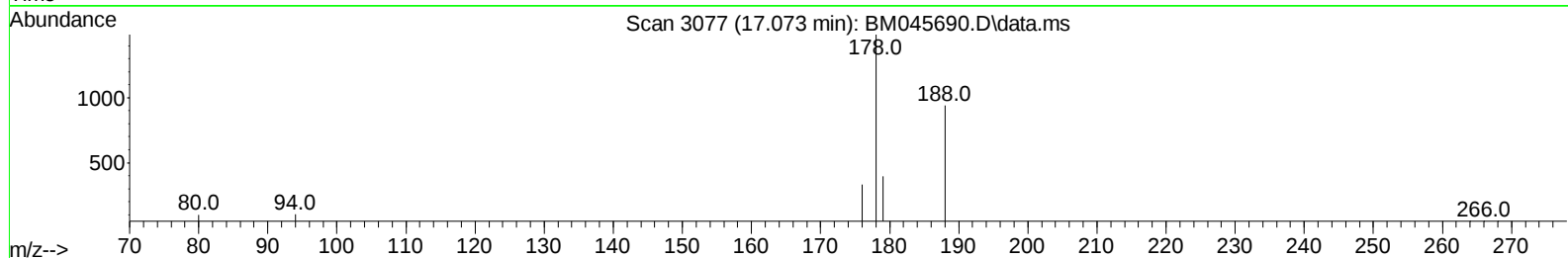
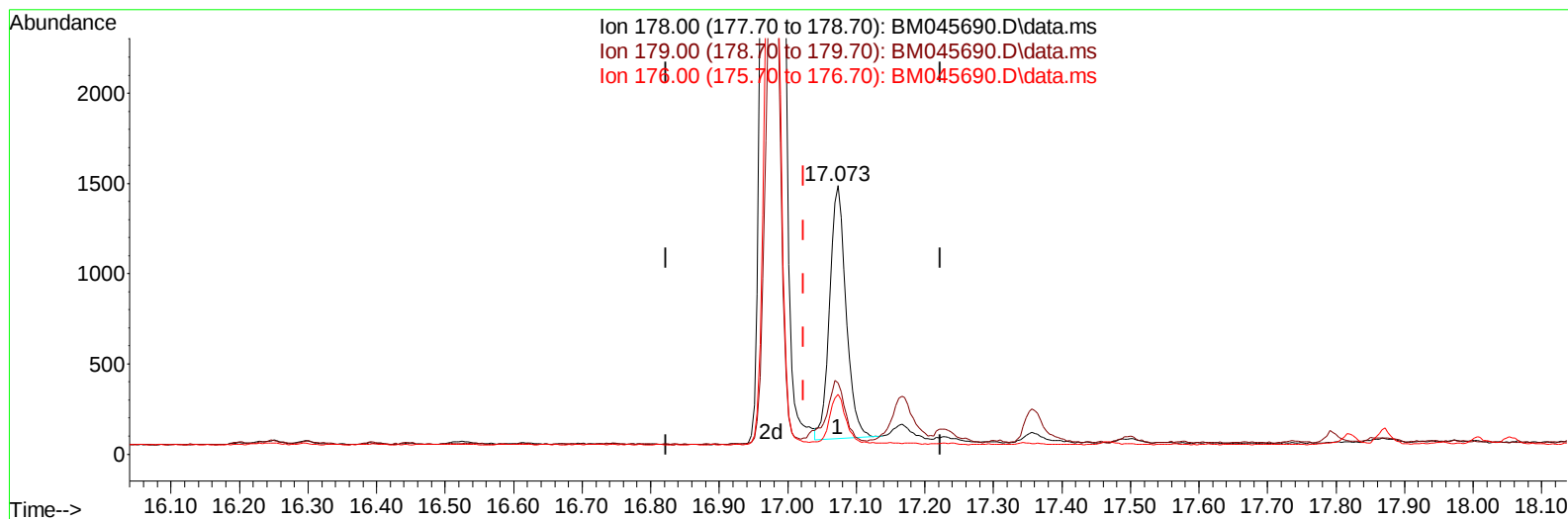
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(15) Phenanthrene

17.073min (+ 0.051) 0.55 ng/u1

response 2317

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	26.56
176.00	27.20	22.19
0.00	0.00	0.00

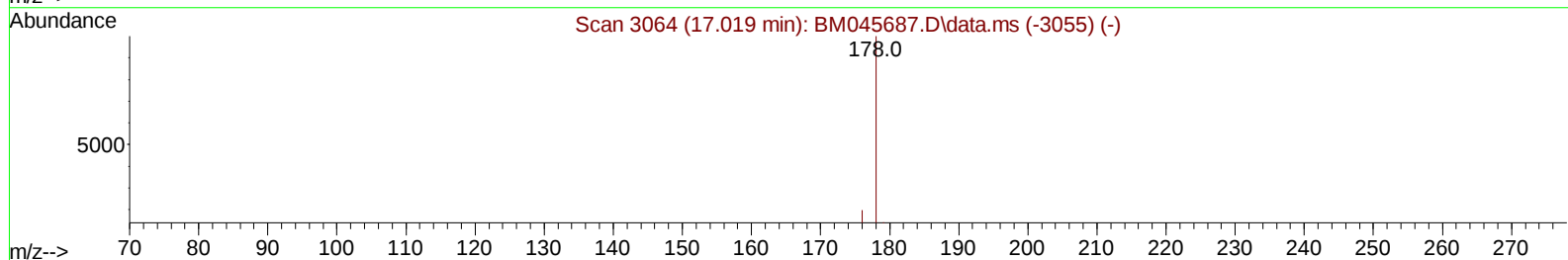
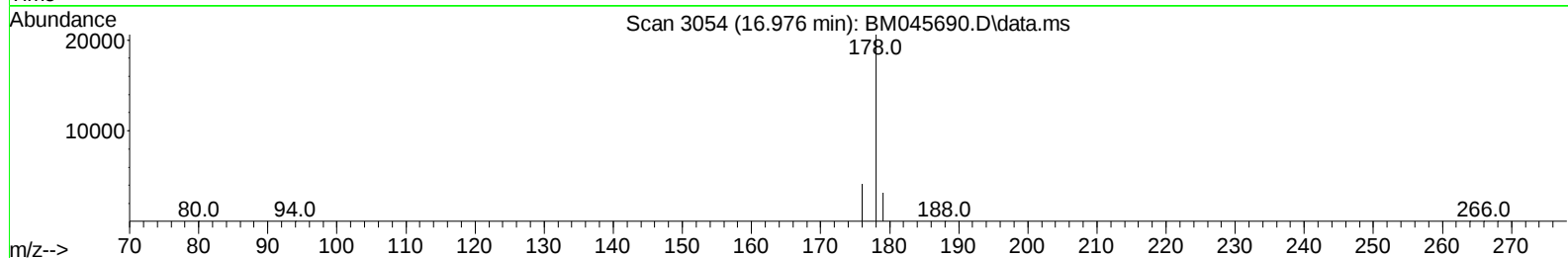
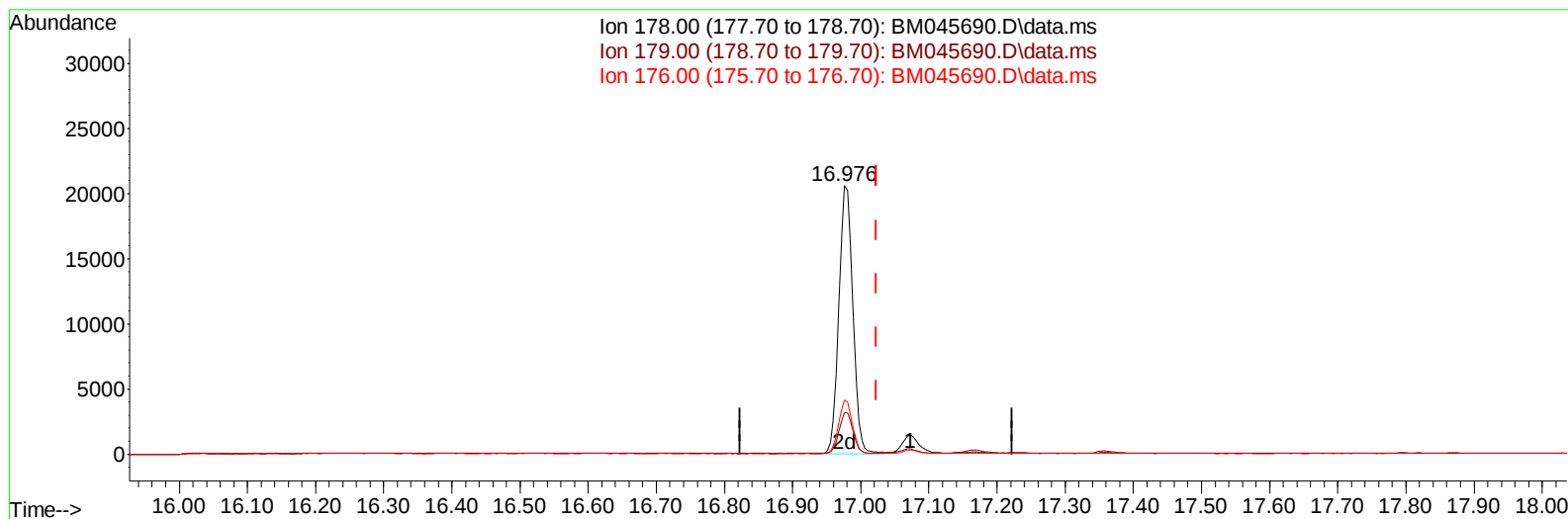
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(15) Phenanthrene

16.976min (-0.046) 7.04 ng/u1 m

response 29394

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	22.90	15.44#
176.00	27.20	20.22#
0.00	0.00	0.00

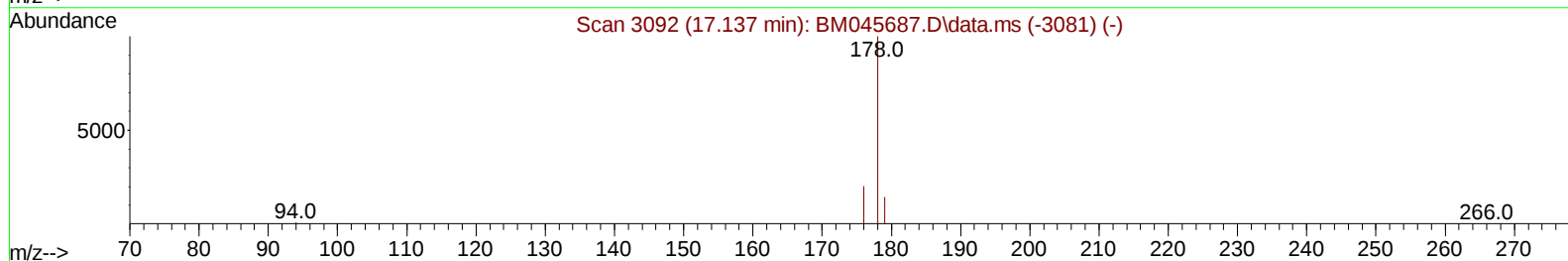
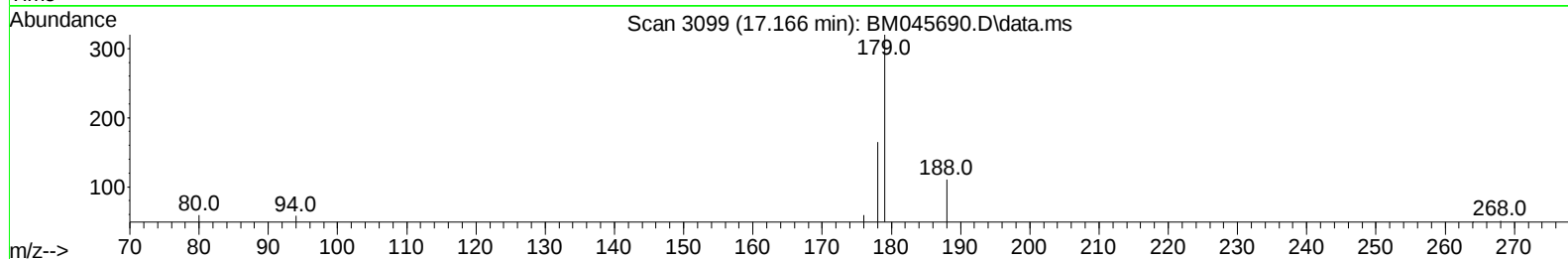
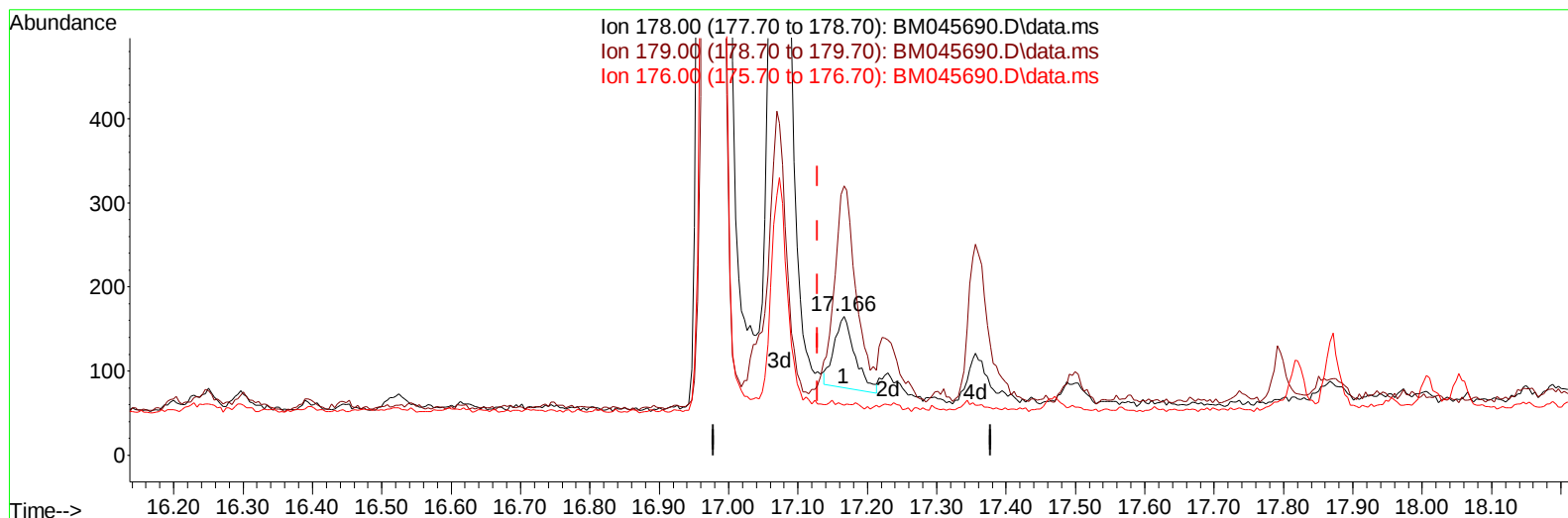
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045690.D
 Acq On : 03 May 2024 11:25
 Operator : MA/JU
 Sample : P2234-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(16) Anthracene

17.166min (+ 0.038) 0.04 ng/u1

response 176

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	26.10	193.94#
176.00	28.60	35.76#
0.00	0.00	0.00

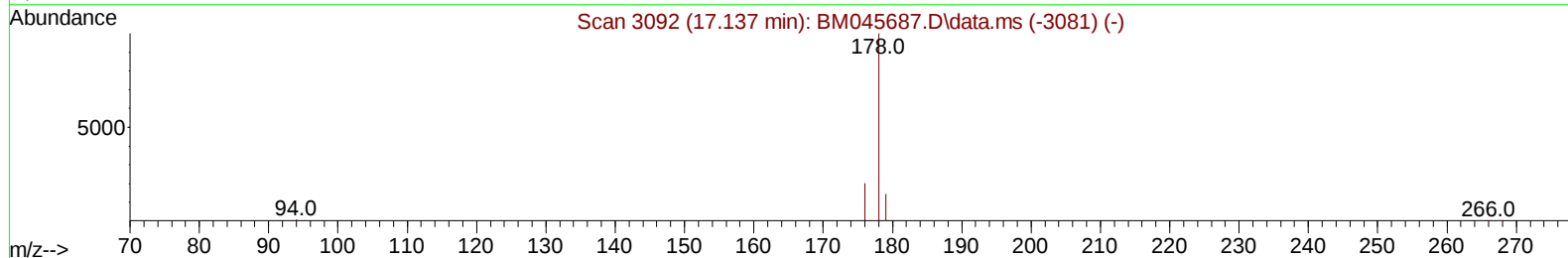
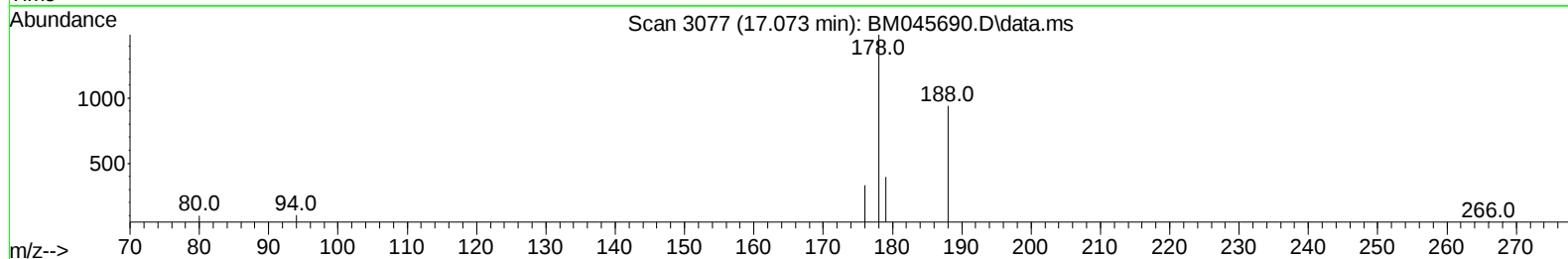
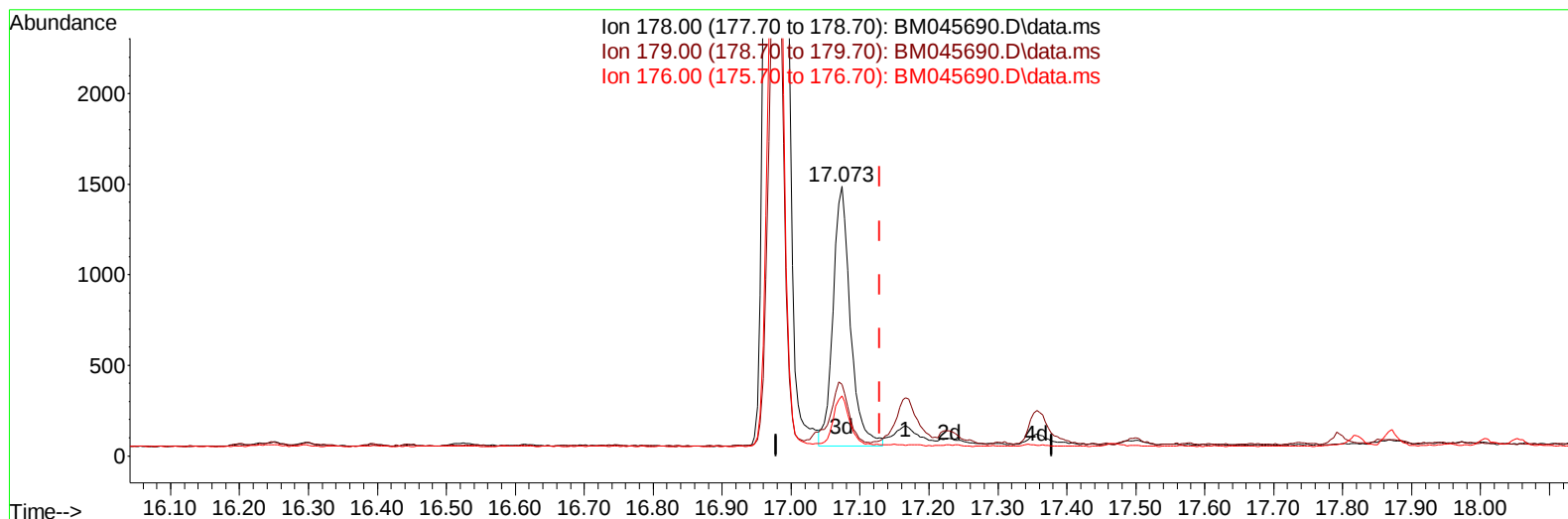
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045690.D
 Acq On : 03 May 2024 11:25
 Operator : MA/JU
 Sample : P2234-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(16) Anthracene

17.073min (-0.055) 0.62 ng/u1 m

response 2506

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	26.10	26.56
176.00	28.60	22.19#
0.00	0.00	0.00

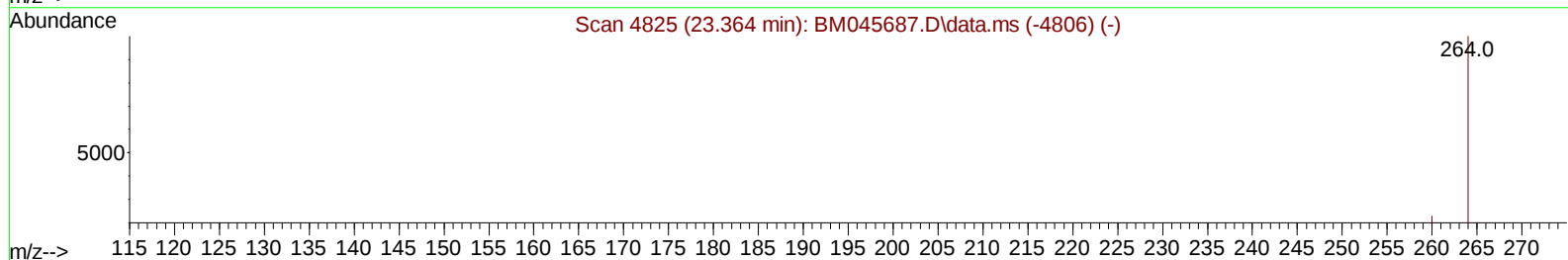
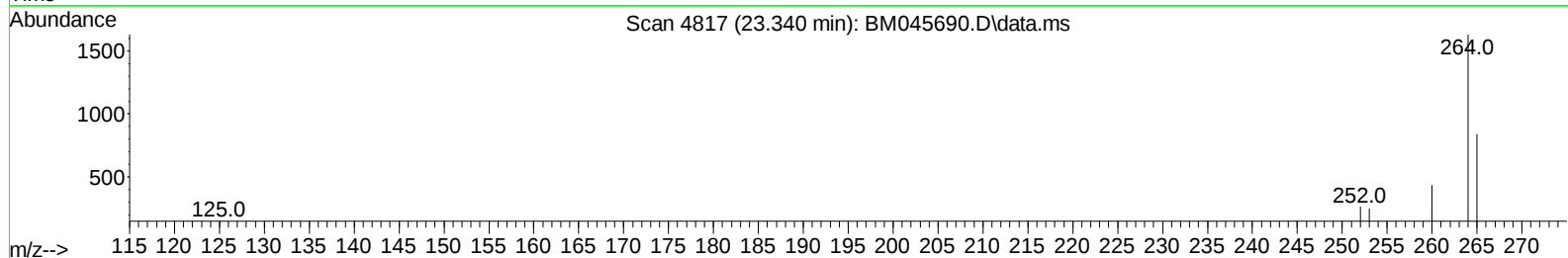
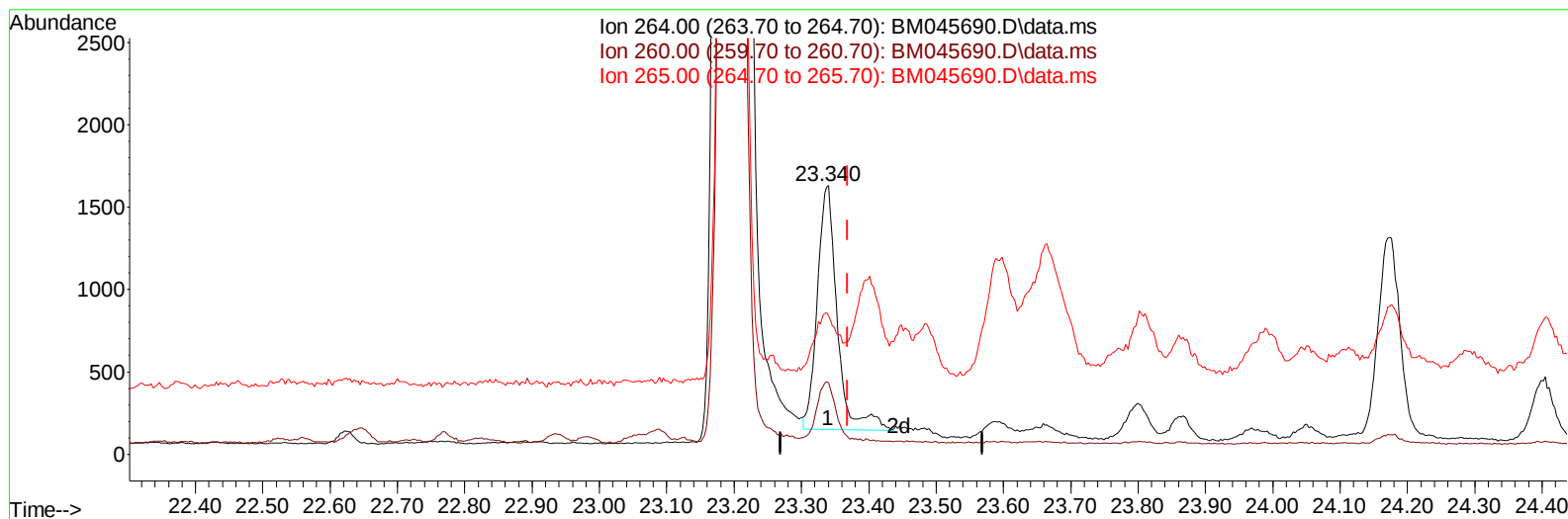
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045690.D
 Acq On : 03 May 2024 11:25
 Operator : MA/JU
 Sample : P2234-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(23) Perylene-d12 (I)

23.340min (-0.029) 0.40 ng/u1

response 3027

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	29.70	26.50
265.00	66.50	51.66#
0.00	0.00	0.00

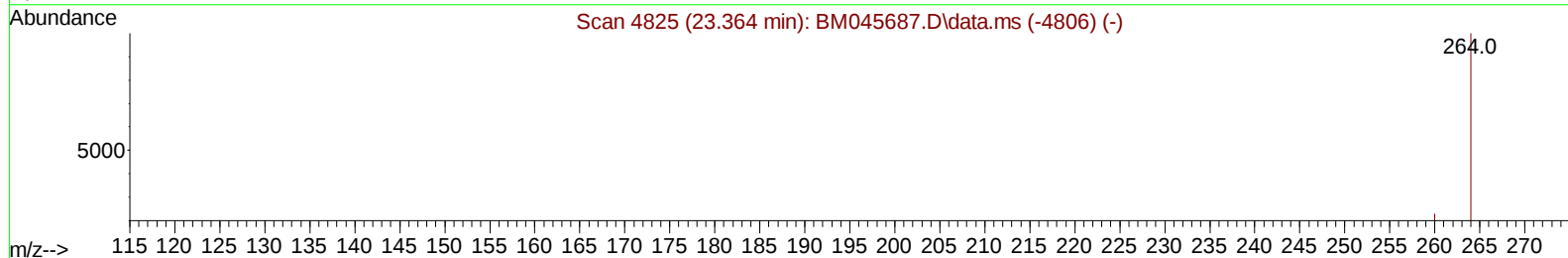
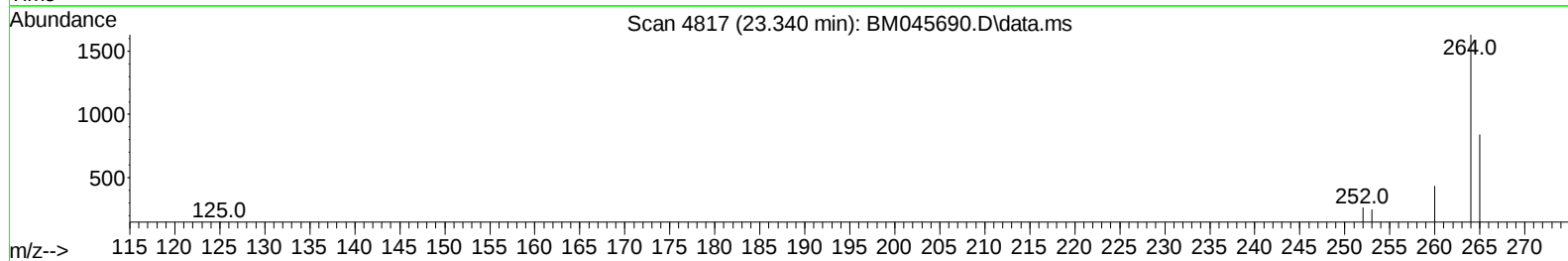
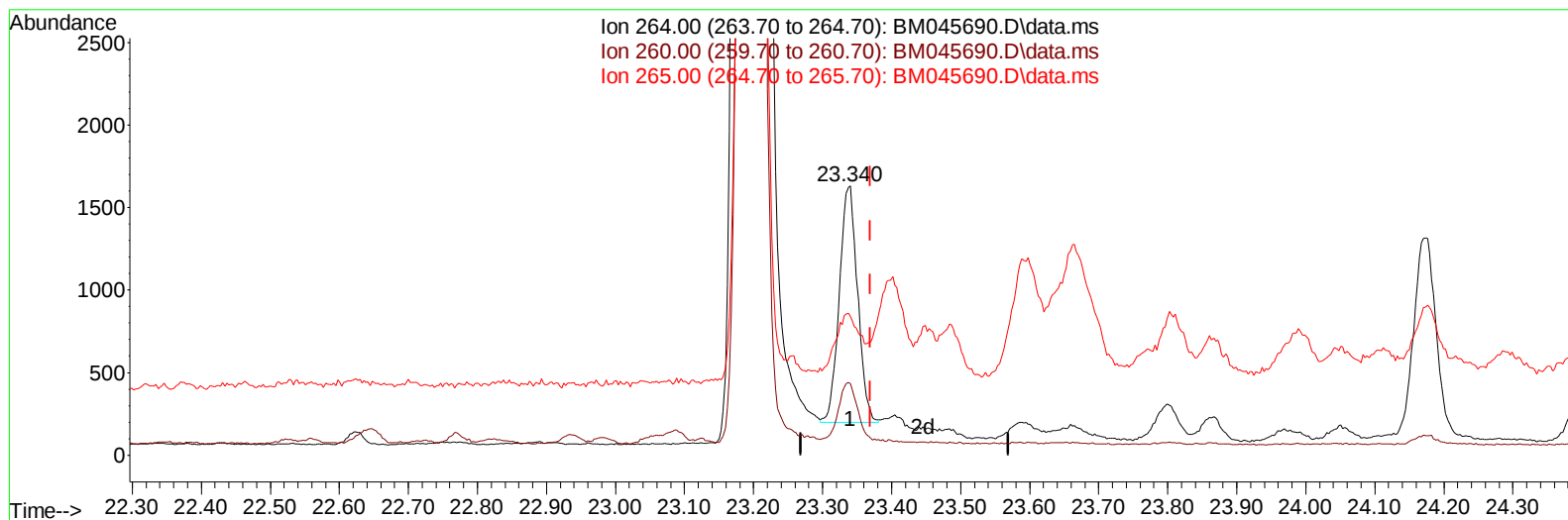
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(23) Perylene-d12 (I)

23.340min (-0.029) 0.40 ng/ul m

response 2622

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	29.70	26.50
265.00	66.50	51.66#
0.00	0.00	0.00

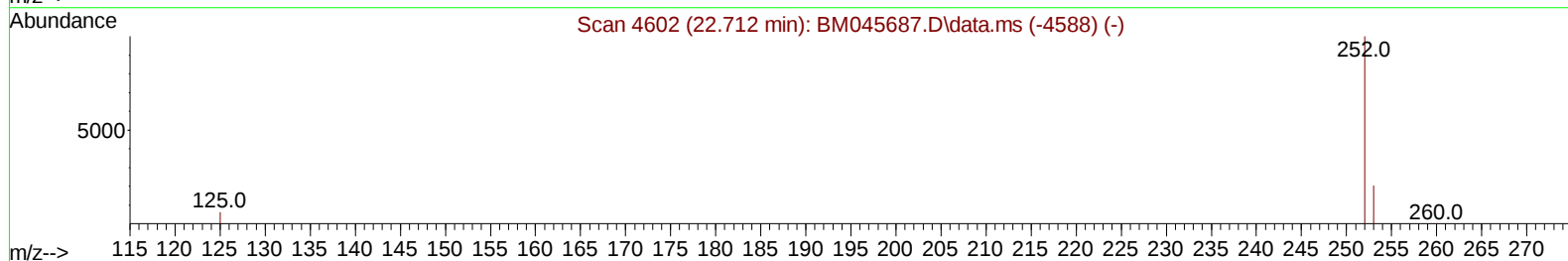
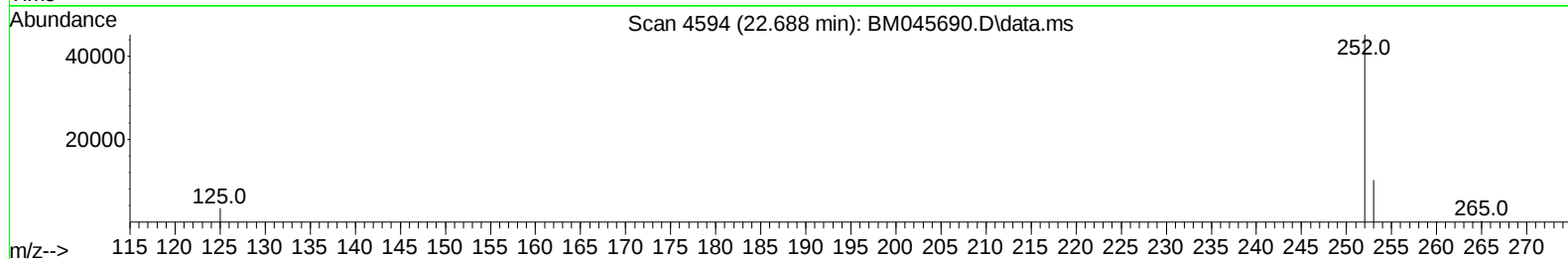
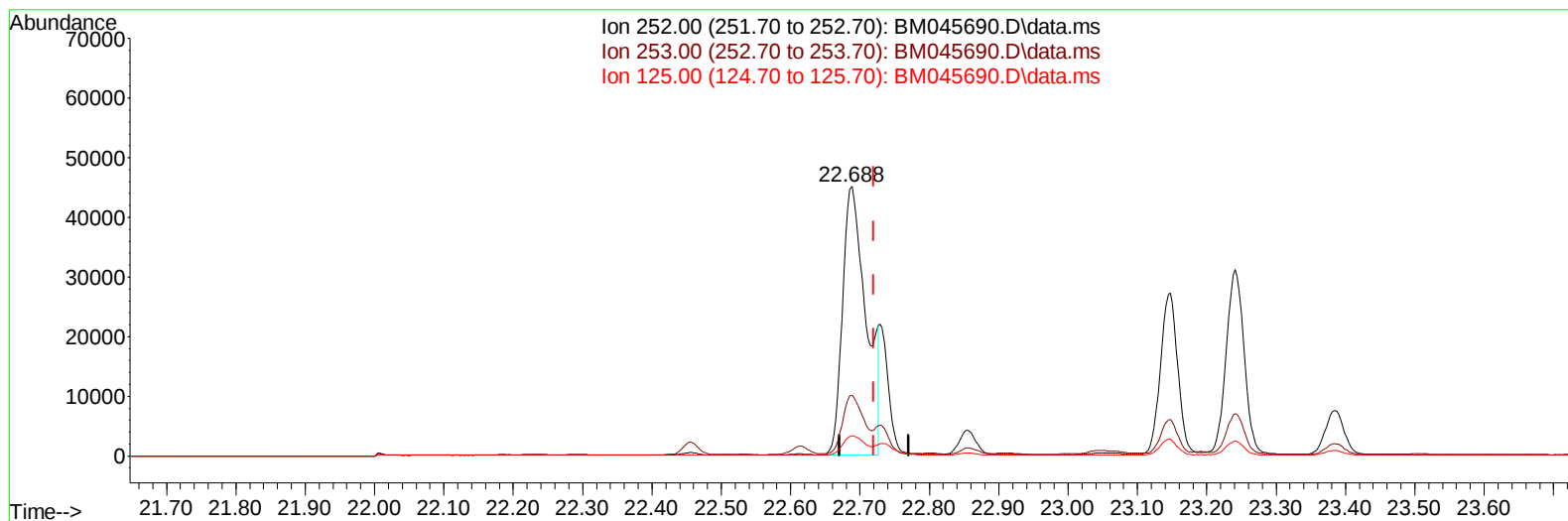
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(24) Benzo(b)fluoranthene

22.688min (-0.032) 14.51 ng/u1

response 105967

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	22.61
125.00	14.00	7.45
0.00	0.00	0.00

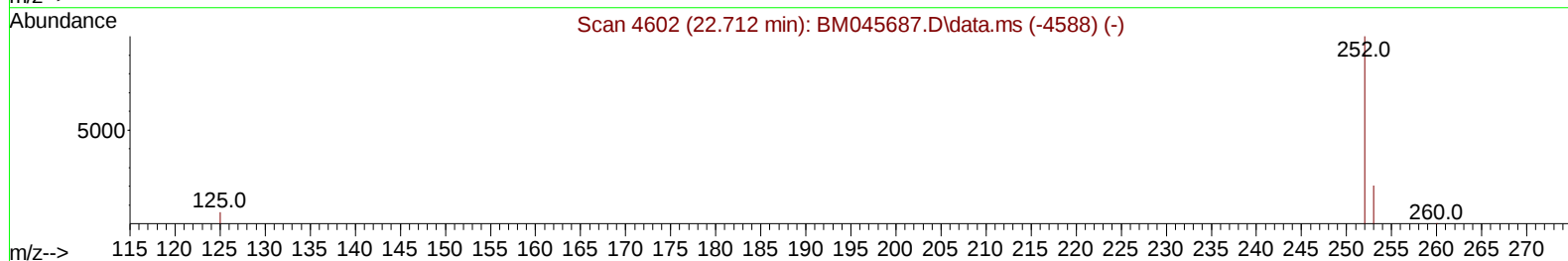
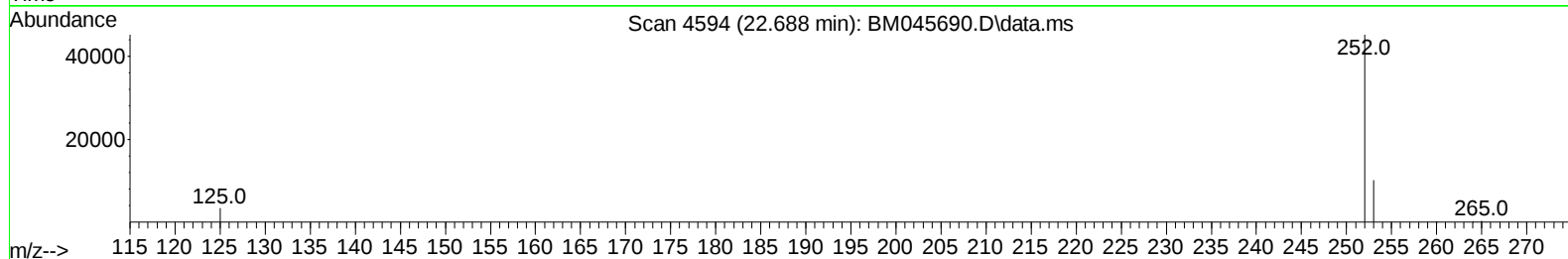
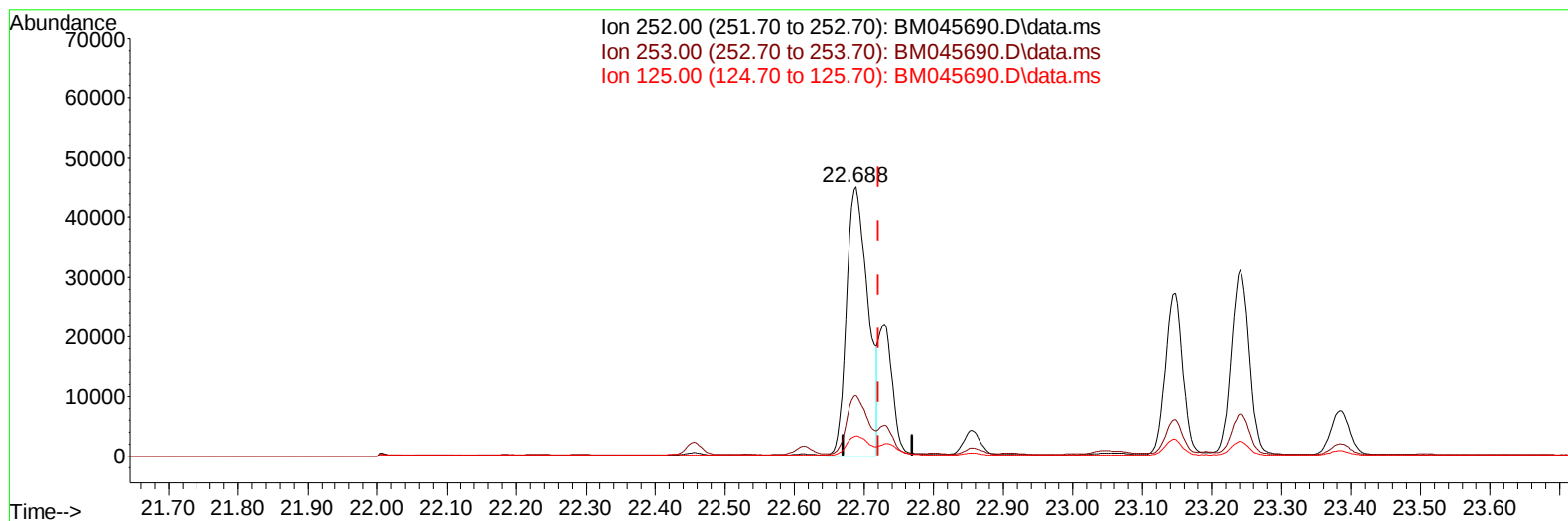
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045690.D
 Acq On : 03 May 2024 11:25
 Operator : MA/JU
 Sample : P2234-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(24) Benzo(b)fluoranthene

22.688min (-0.032) 13.16 ng/ul m

response 96078

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	33.60	22.61
125.00	14.00	7.45
0.00	0.00	0.00

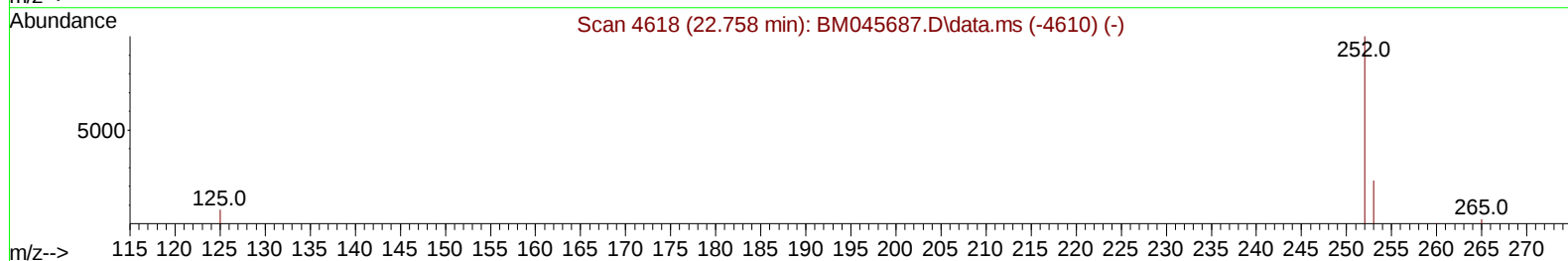
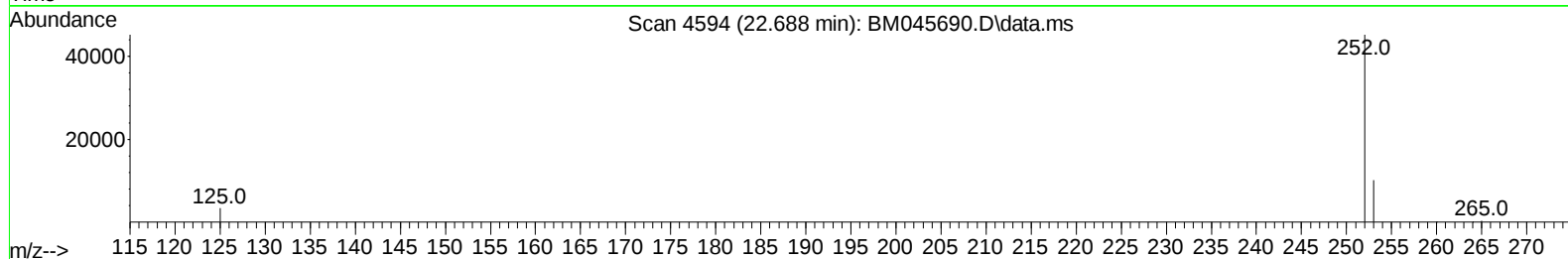
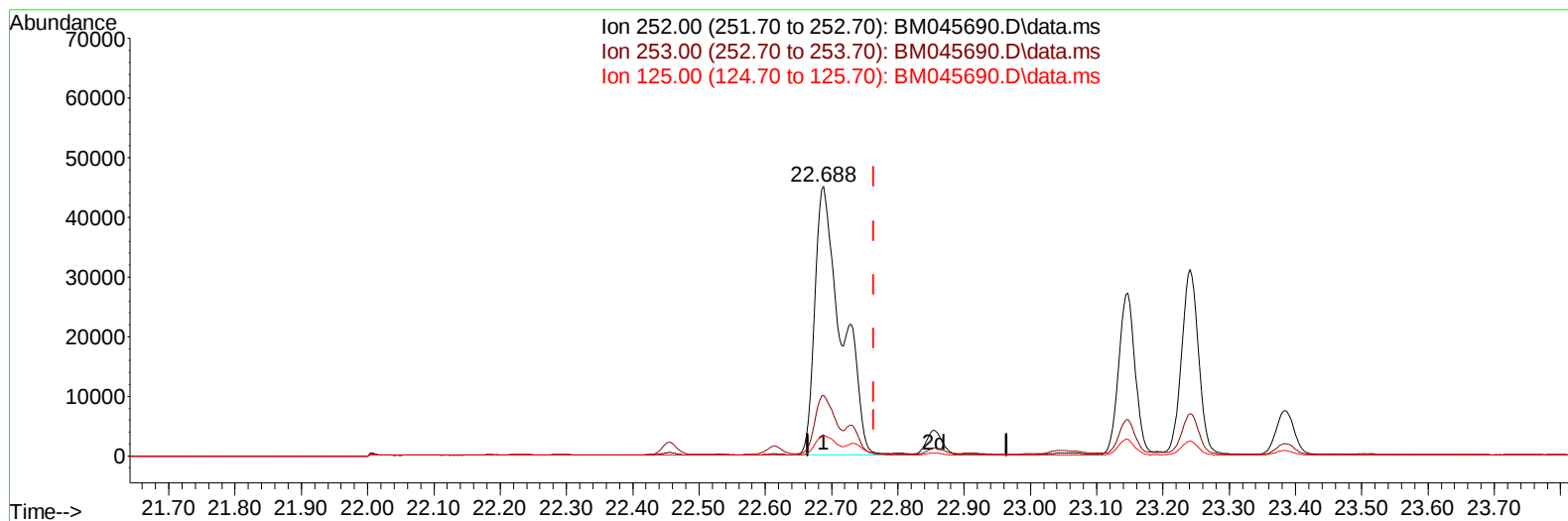
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(25) Benzo(k)fluoranthene

22.688min (-0.076) 13.96 ng/u1

response 126197

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	22.61#
125.00	14.90	7.45#
0.00	0.00	0.00

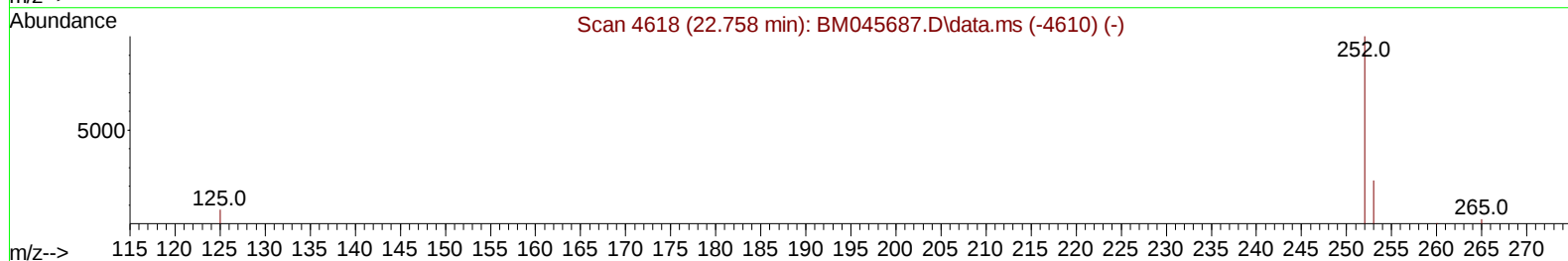
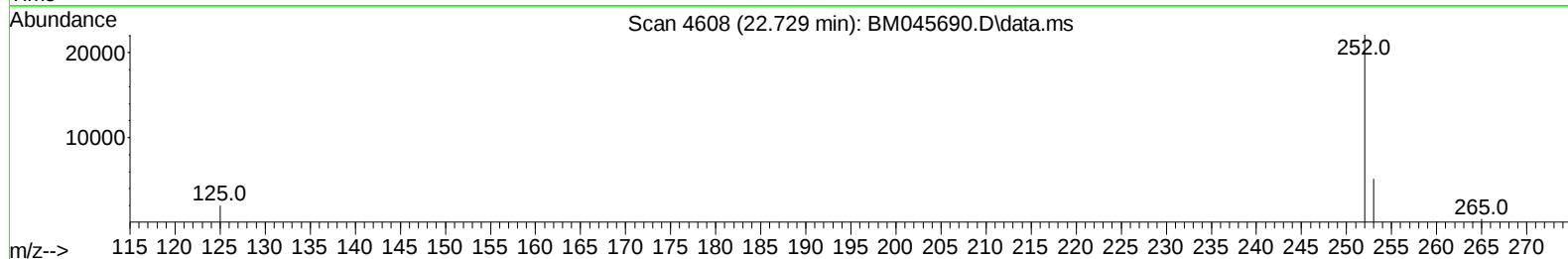
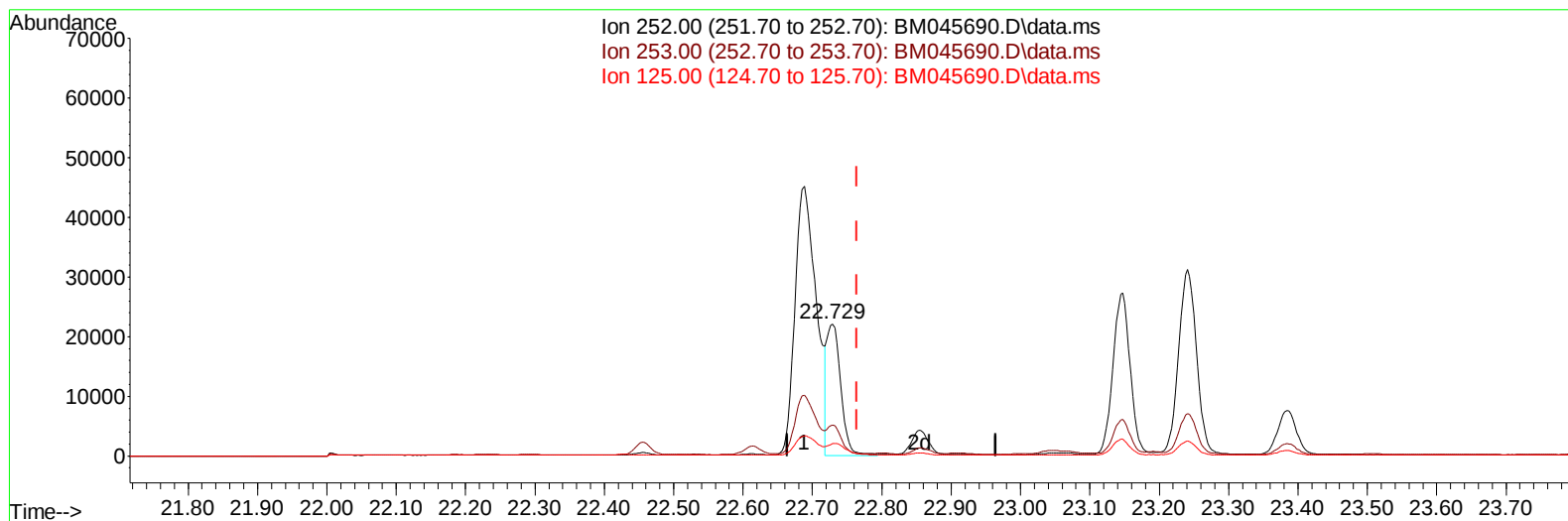
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(25) Benzo(k)fluoranthene

22.729min (-0.035) 3.44 ng/u1 m

response 31075

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.70	23.23#
125.00	14.90	9.28#
0.00	0.00	0.00

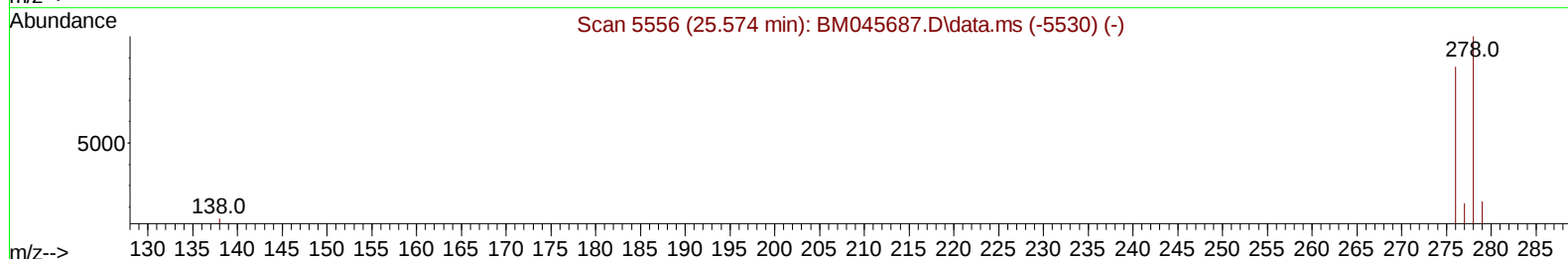
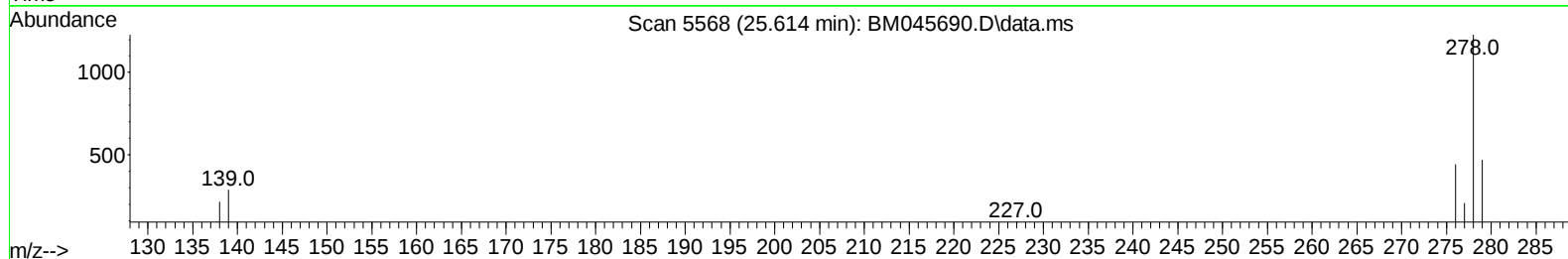
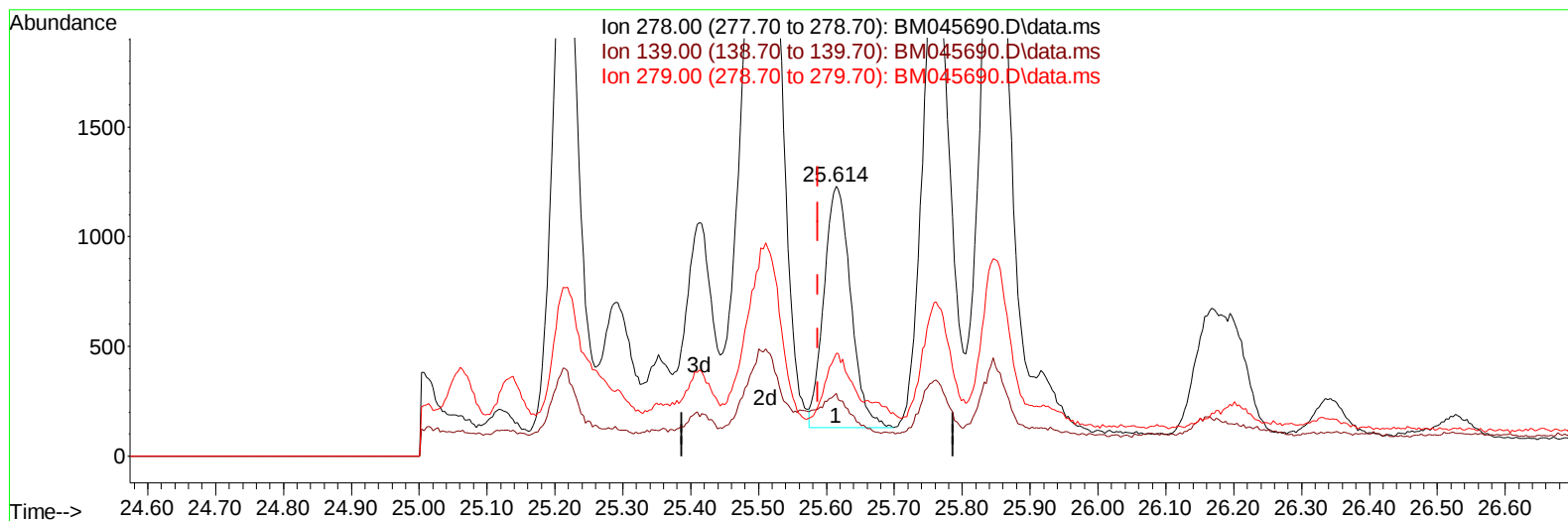
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(28) Dibenzo(a,h)anthracene

25.614min (+ 0.027) 0.34 ng/u1

response 3028

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.10	23.27
279.00	39.80	38.08
0.00	0.00	0.00

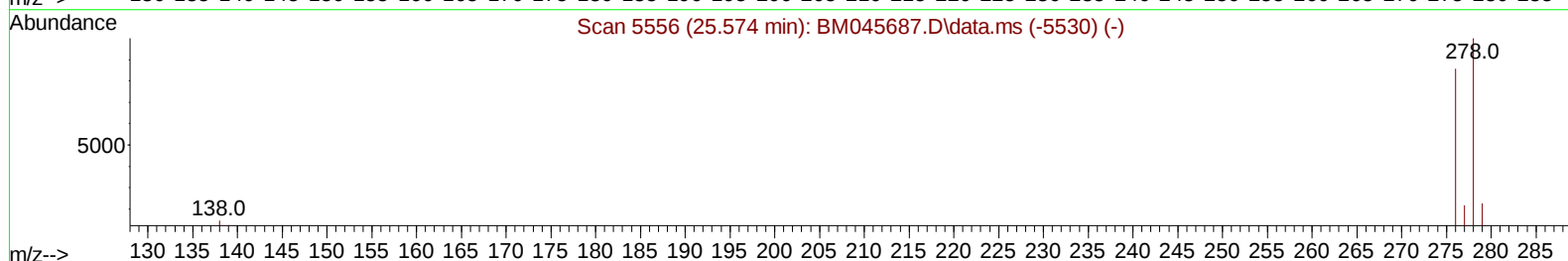
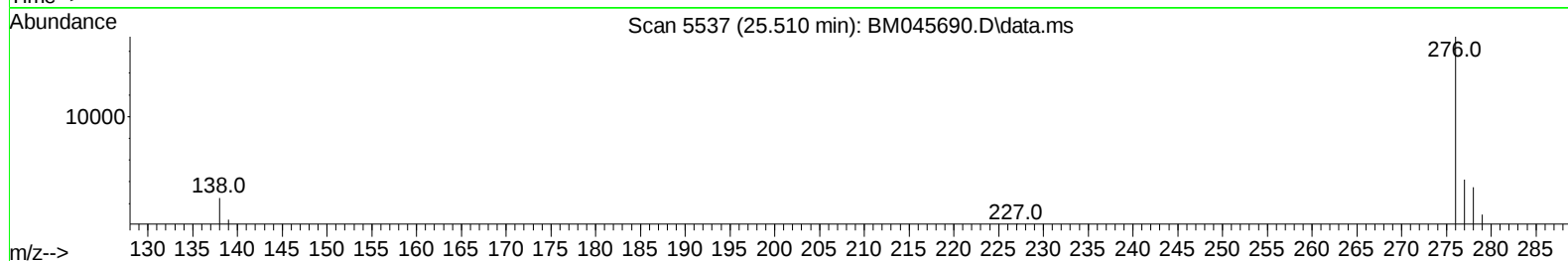
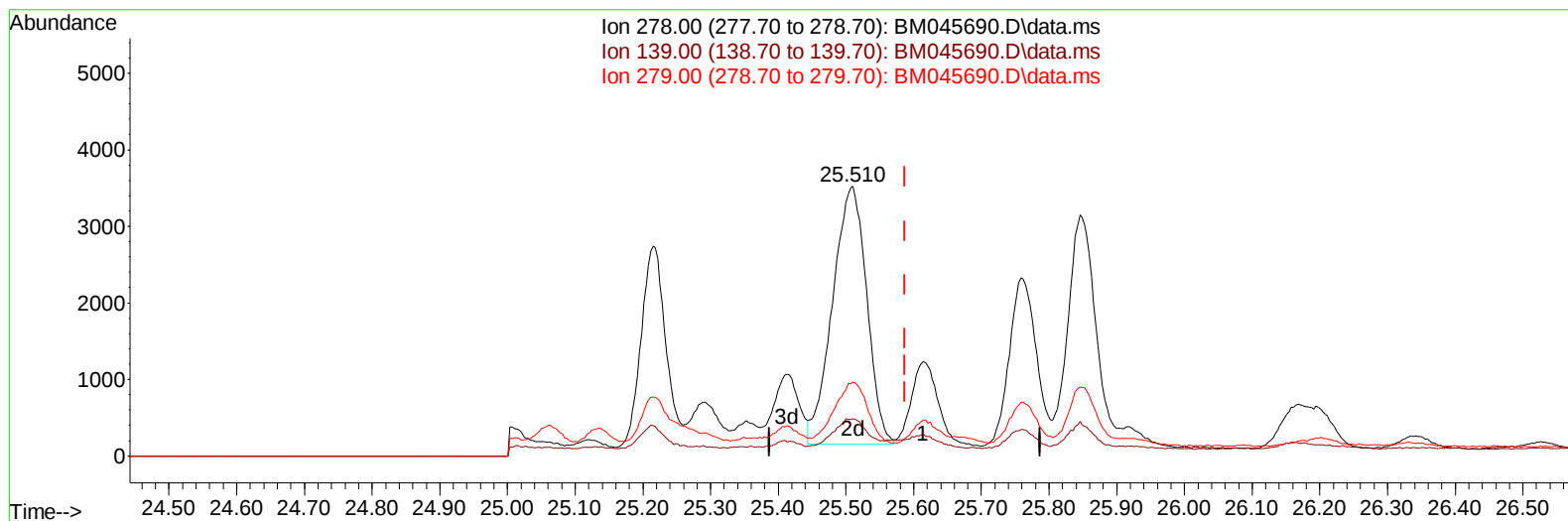
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



TIC: BM045690.D\data.ms

(28) Dibenzo(a,h)anthracene

25.510min (-0.077) 1.33 ng/u1 m

response 11828

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	21.10	13.86#
279.00	39.80	27.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
 Data File : BM045690.D
 Acq On : 03 May 2024 11:25
 Operator : MA/JU
 Sample : P2234-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 03 03:27:04 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.521	152	342	0.400	ng/ul	#-0.05
4) Naphthalene-d8	10.286	136	1068	0.400	ng/ul	#-0.06
9) Acenaphthene-d10	14.173	164	678	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.938	188	1682m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.157	240	2092	0.400	ng/ul	-0.03
23) Perylene-d12	23.340	264	2622m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.142	96	967	2.497	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.903	152	324	0.192	ng/ul	-0.05
18) Fluoranthene-d10	18.979	212	1072	0.204	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.336	128	386	0.142	ng/ul	91
7) 2-Methylnaphthalene	11.980	142	180	0.109	ng/ul	85
8) 1-Methylnaphthalene	12.200	142	107	0.059	ng/ul	96
10) Acenaphthylene	13.900	152	381	0.134	ng/ul#	86
11) Acenaphthene	14.238	153	520	0.246	ng/ul	98
12) Fluorene	15.242	166	519	0.212	ng/ul	98
15) Phenanthrene	16.976	178	29394m	7.036	ng/ul	
16) Anthracene	17.073	178	2506m	0.618	ng/ul	
19) Fluoranthene	19.011	202	107727	16.204	ng/ul#	83
20) Pyrene	19.378	202	96480	13.645	ng/ul#	84
21) Benzo(a)anthracene	21.142	228	39214	6.422	ng/ul#	91
22) Chrysene	21.195	228	57682	6.674	ng/ul	93
24) Benzo(b)fluoranthene	22.688	252	96078m	13.156	ng/ul	
25) Benzo(k)fluoranthene	22.729	252	31075m	3.437	ng/ul	
26) Benzo(a)pyrene	23.241	252	56175	6.940	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.497	276	55591	4.986	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.510	278	11828m	1.327	ng/ul	
29) Benzo(g,h,i)perylene	26.161	276	54976	5.562	ng/ul#	84

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050324\
Data File : BM045690.D
Acq On : 03 May 2024 11:25
Operator : MA/JU
Sample : P2234-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0SA1

Manual IntegrationsAPPROVED

Quant Time: May 03 13:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM050324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 03 03:27:04 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

