

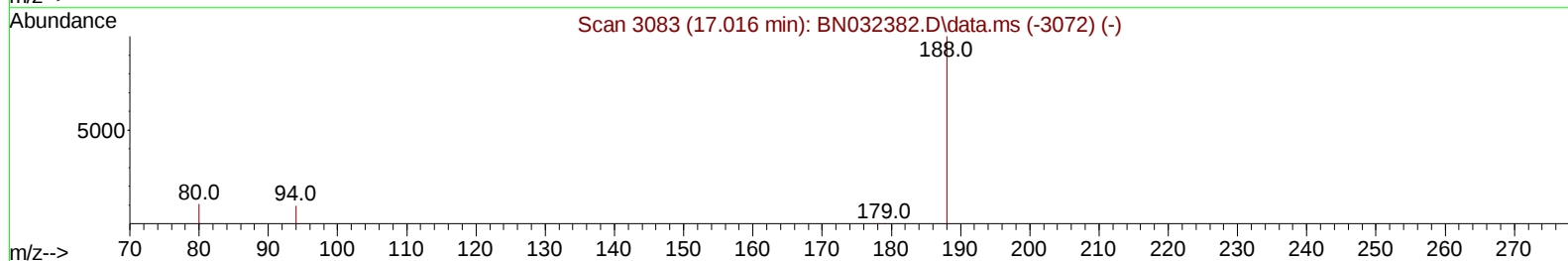
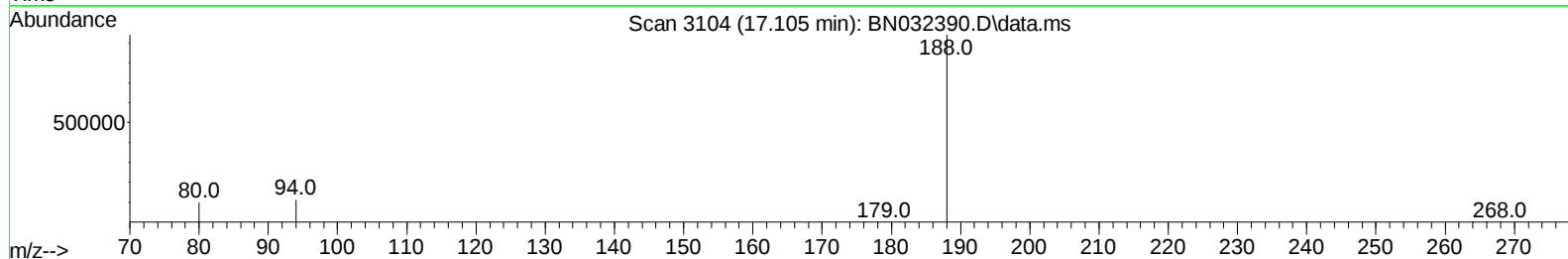
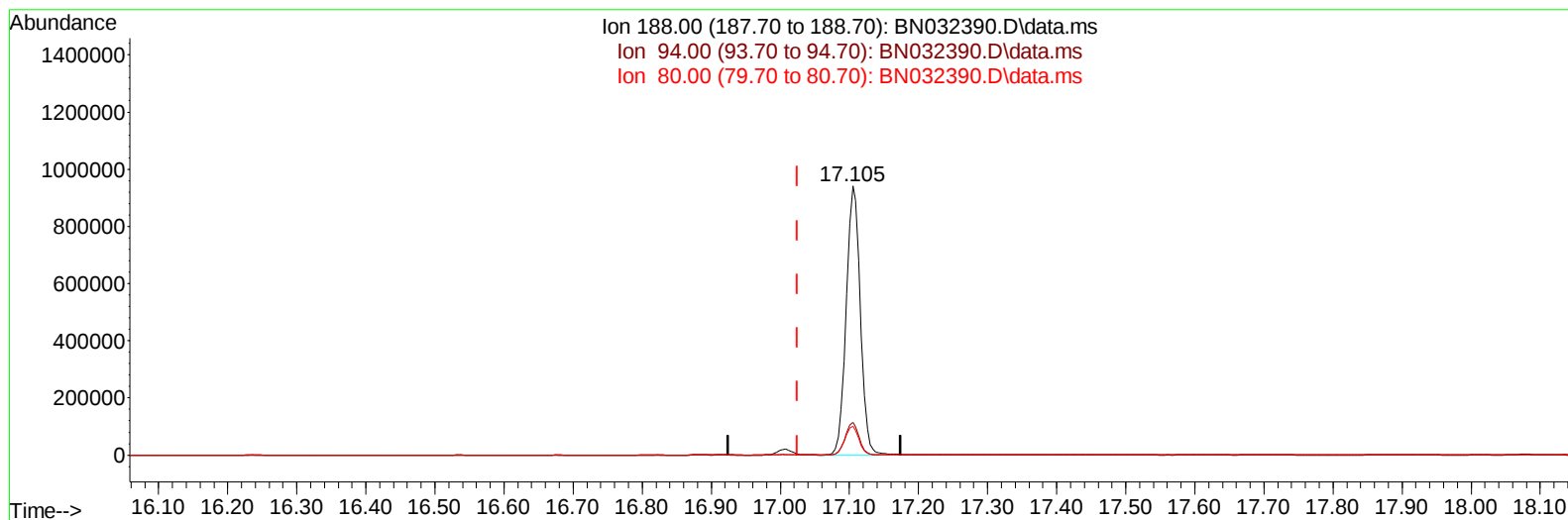
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(13) Phenanthrene-d10 (I)

17.105min (+ 0.080) 0.40 ng/u1

response 1328833

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.05
80.00	10.50	10.68
0.00	0.00	0.00

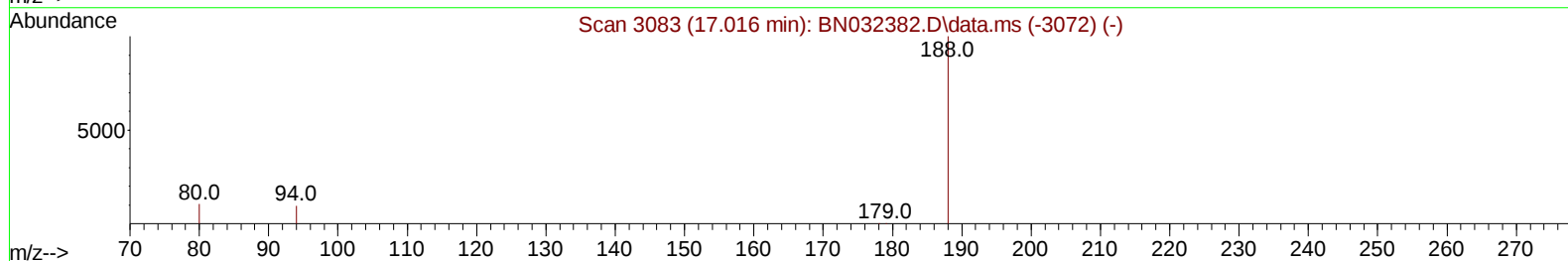
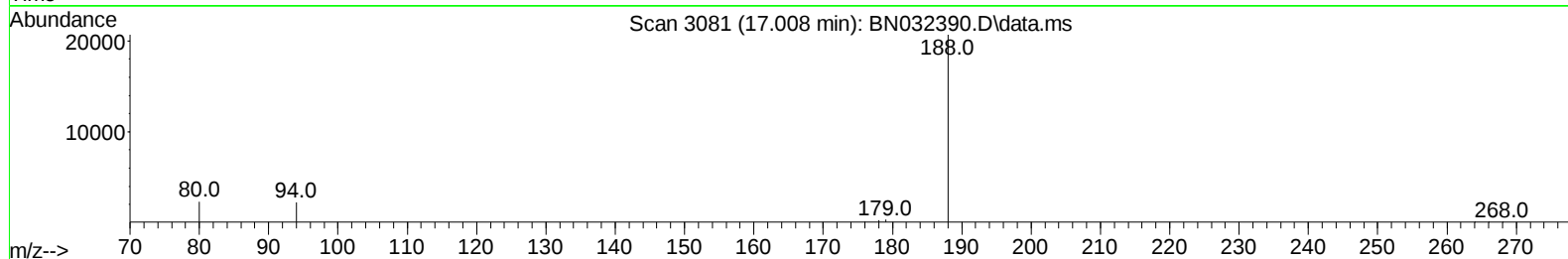
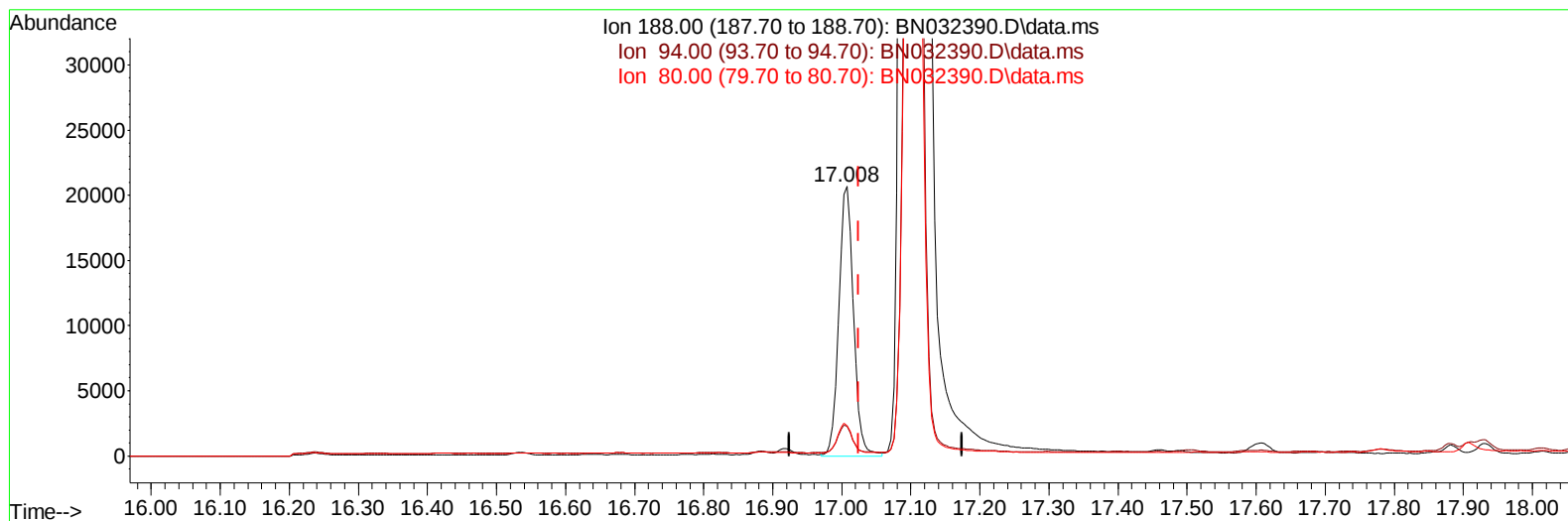
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(13) Phenanthrene-d10 (I)

17.008min (-0.017) 0.40 ng/ul m

response 30369

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.88
80.00	10.50	11.19
0.00	0.00	0.00

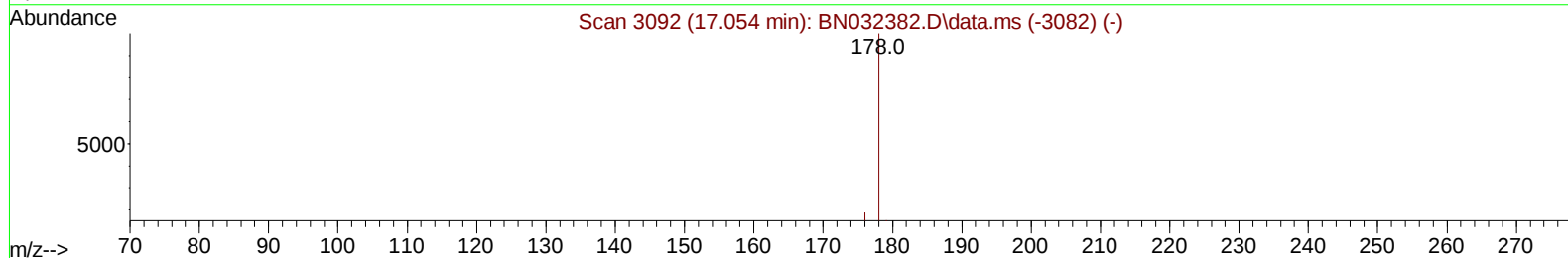
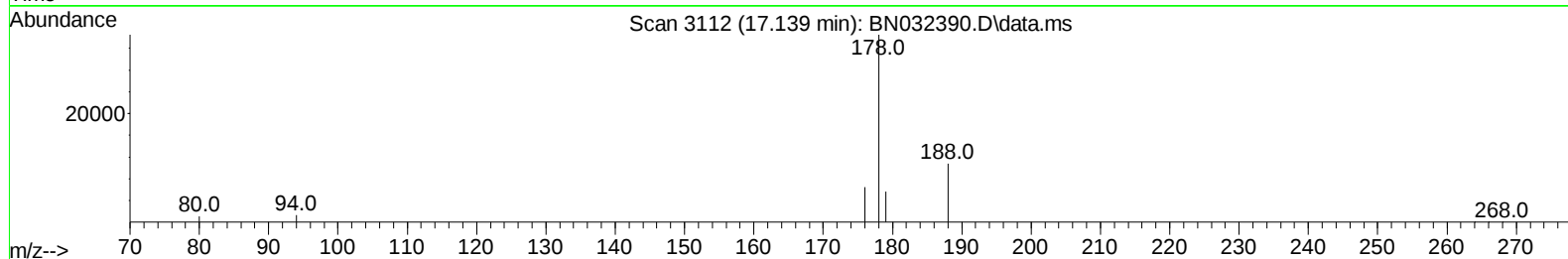
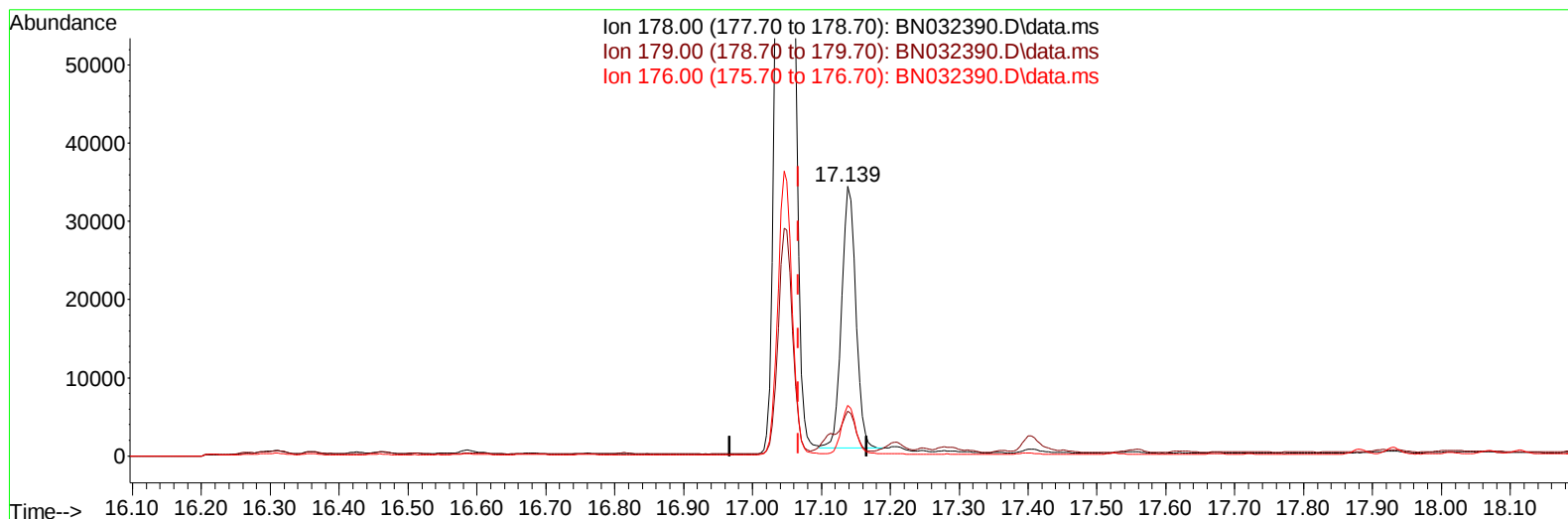
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(15) Phenanthrene

17.139min (+ 0.072) 0.58 ng/u1

response 48098

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.54
176.00	19.50	18.77
0.00	0.00	0.00

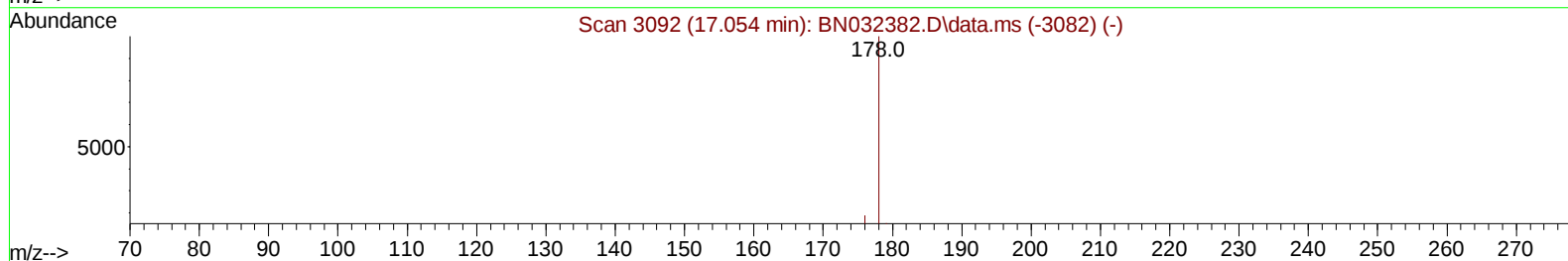
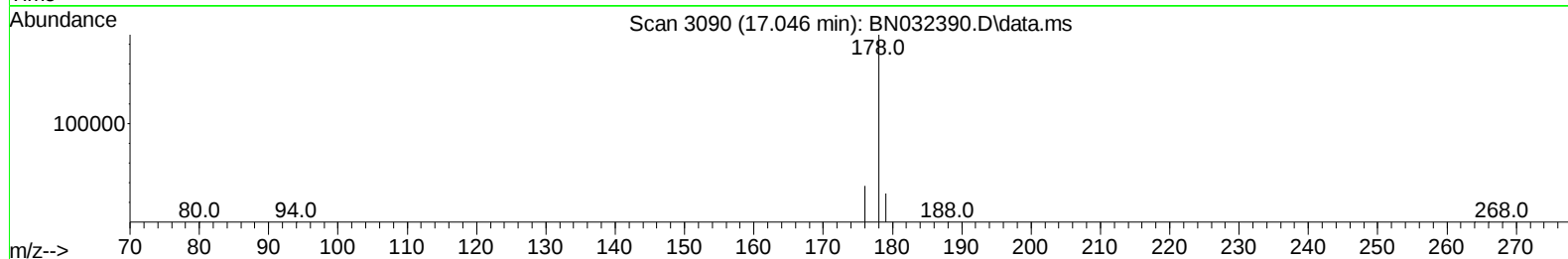
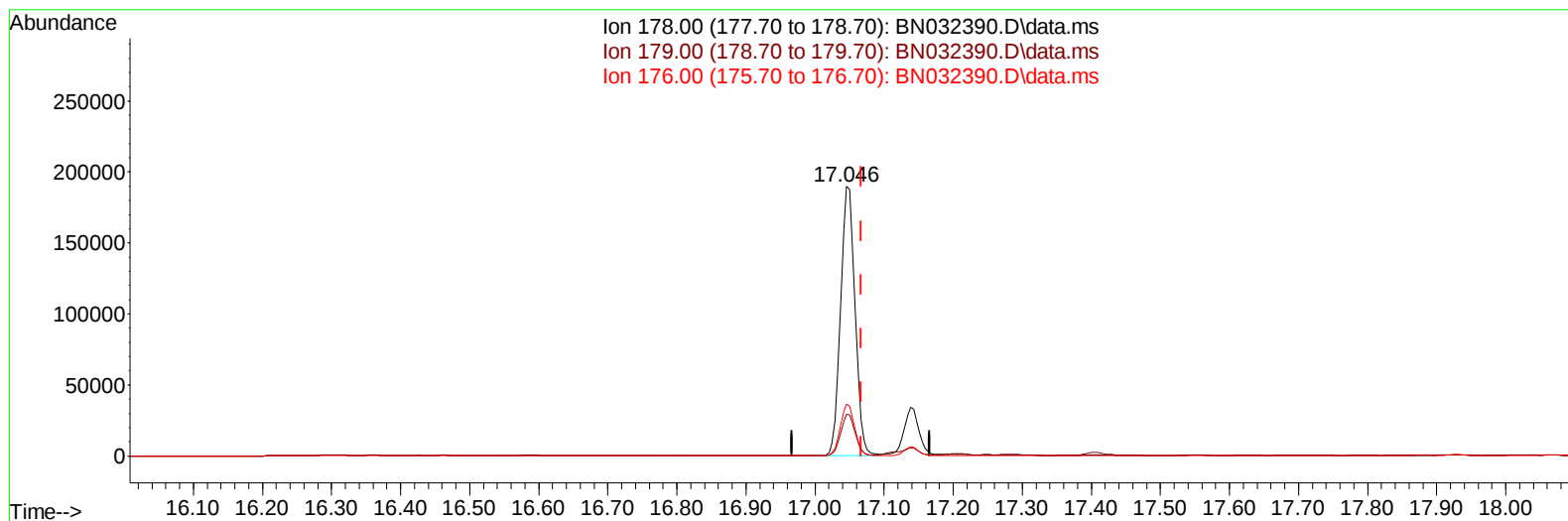
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(15) Phenanthrene

17.046min (-0.021) 3.33 ng/u1 m

response 276985

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.36
176.00	19.50	19.21
0.00	0.00	0.00

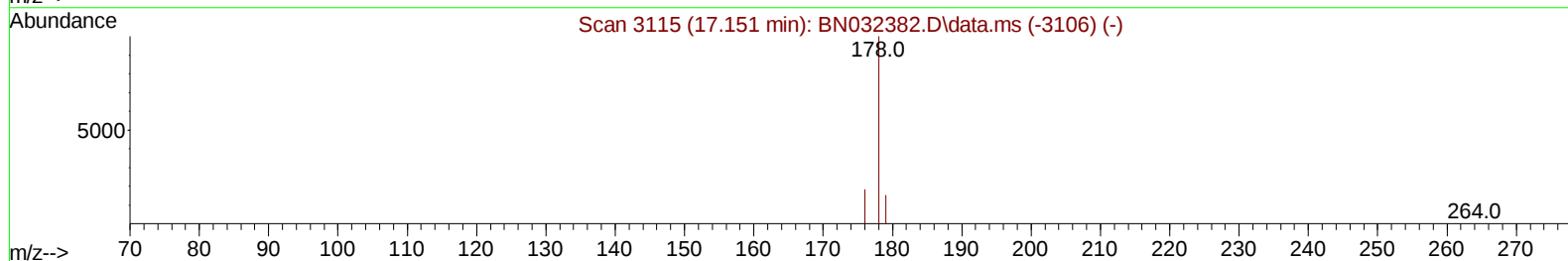
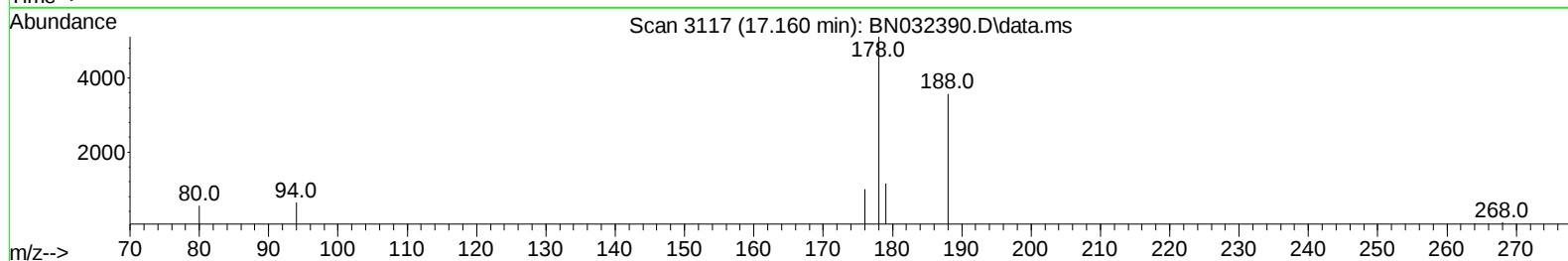
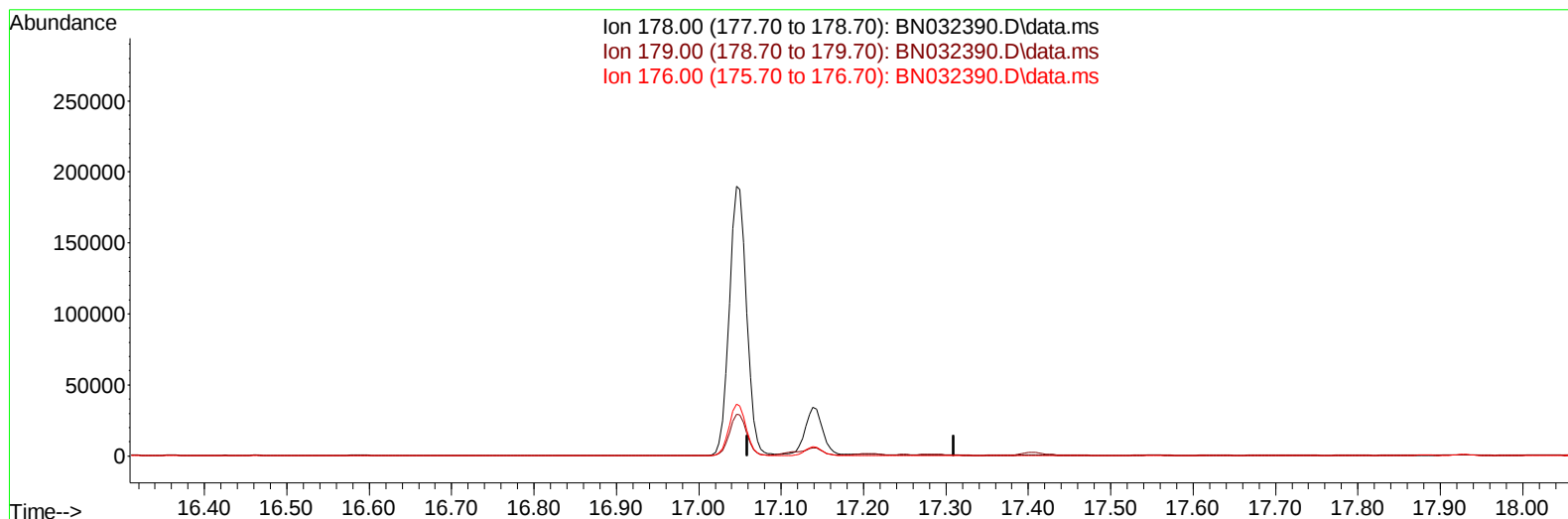
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032390.D
 Acq On : 02 Jul 2024 08:45
 Operator : MA/JU
 Sample : P2871-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(16) Anthracene

17.160min (-17.160) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	15.60	0.00#
176.00	18.80	0.00#
0.00	0.00	0.00

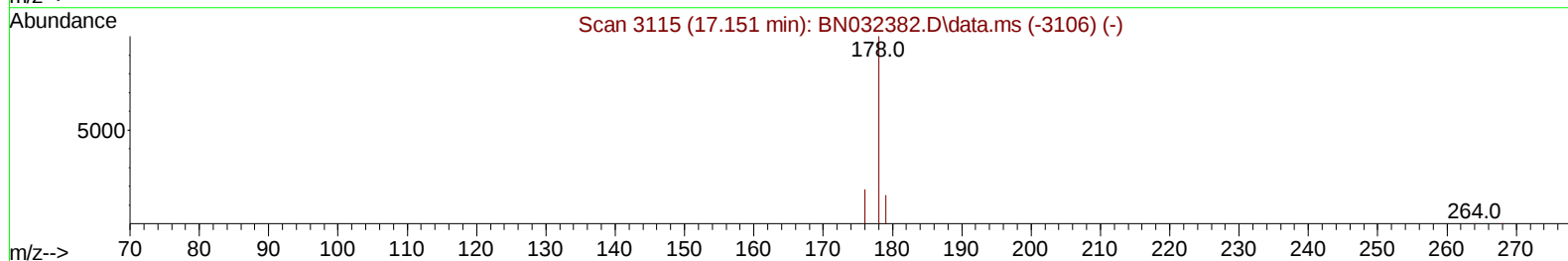
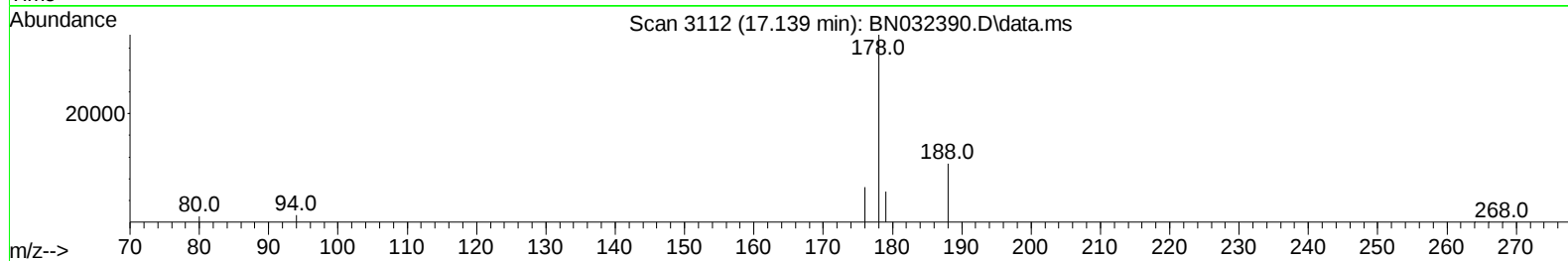
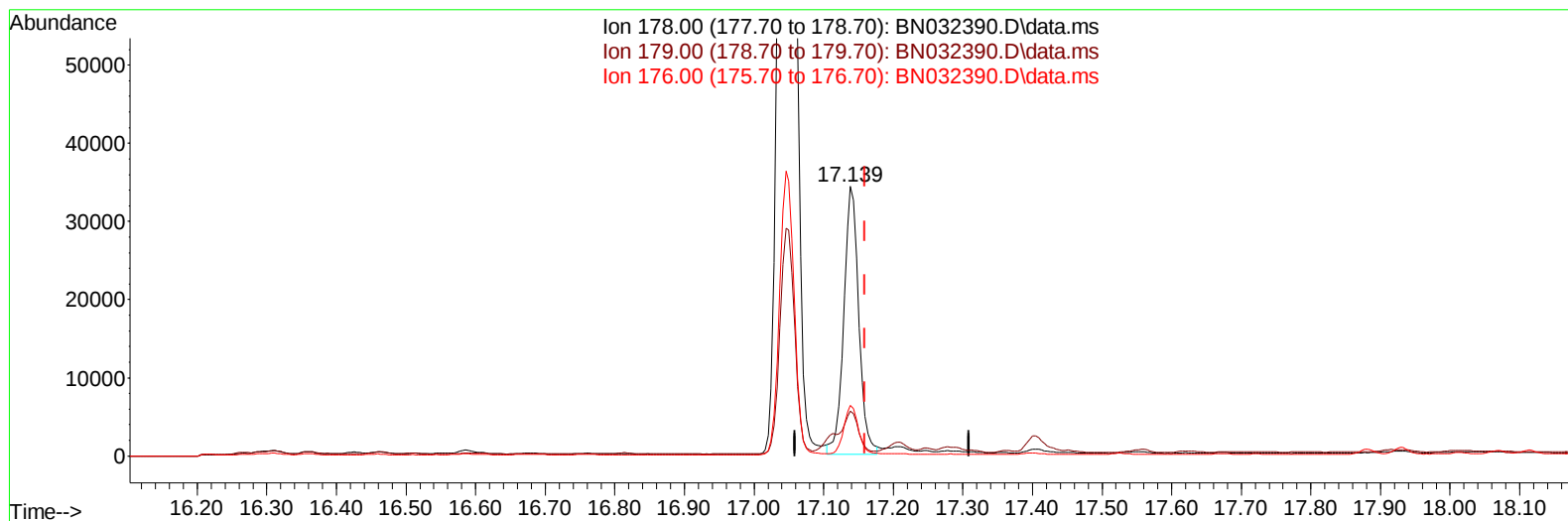
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(16) Anthracene

17.139min (-0.021) 0.69 ng/ul m

response 51338

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.54
176.00	18.80	18.77
0.00	0.00	0.00

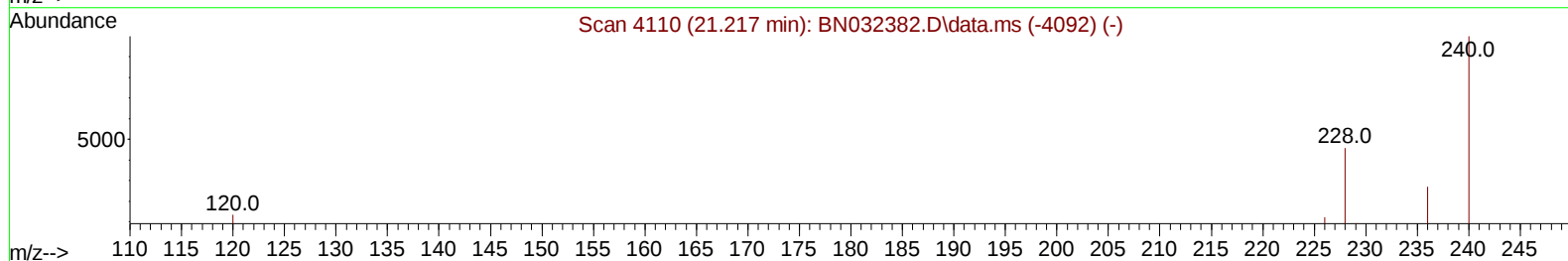
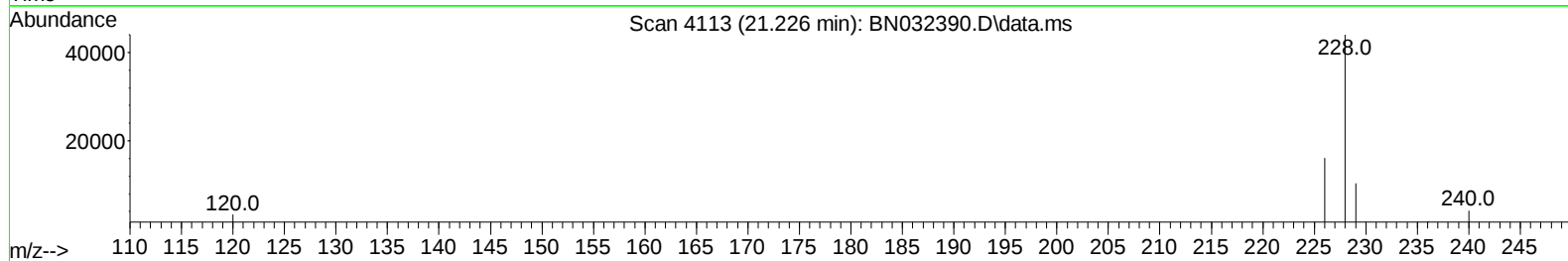
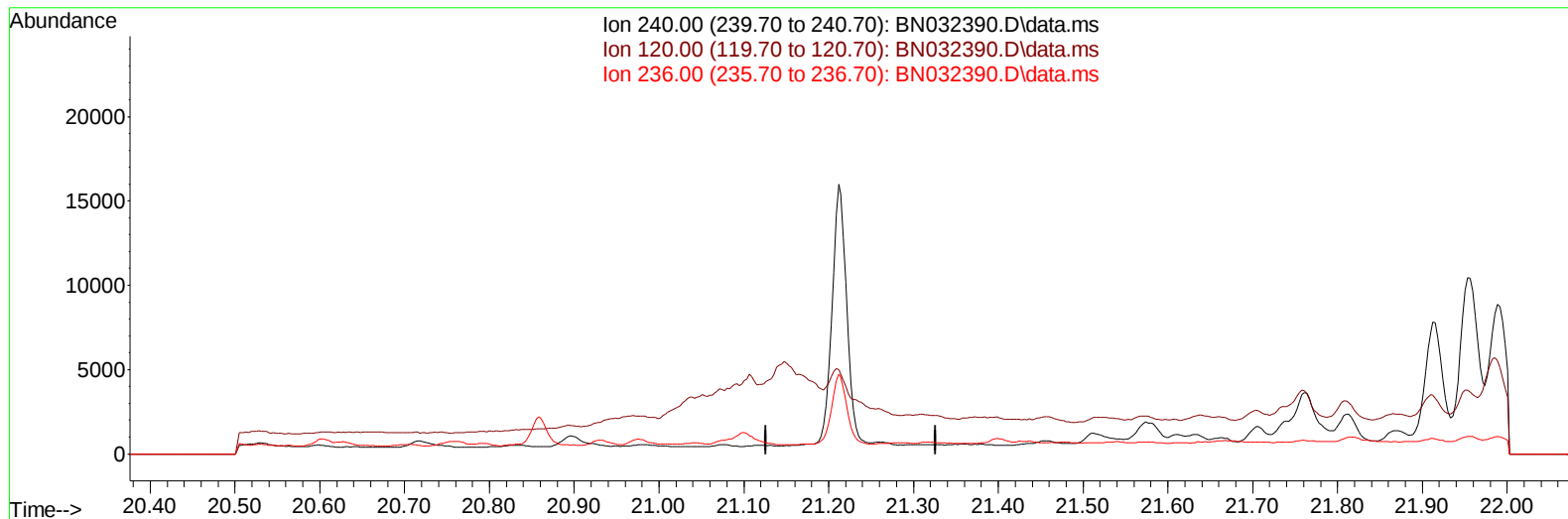
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(17) Chrysene-d12

21.226min (-21.226) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

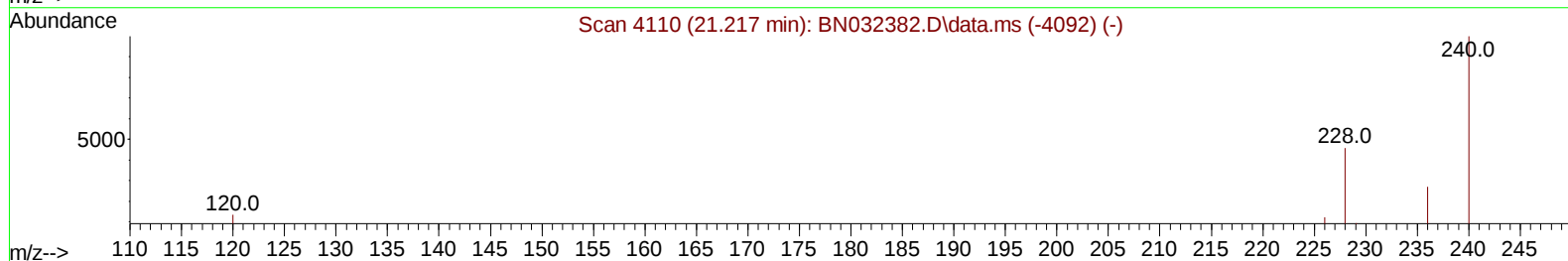
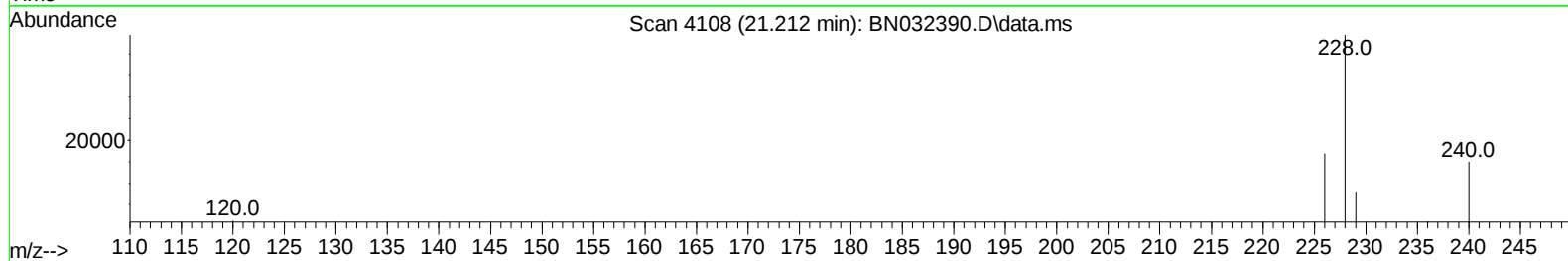
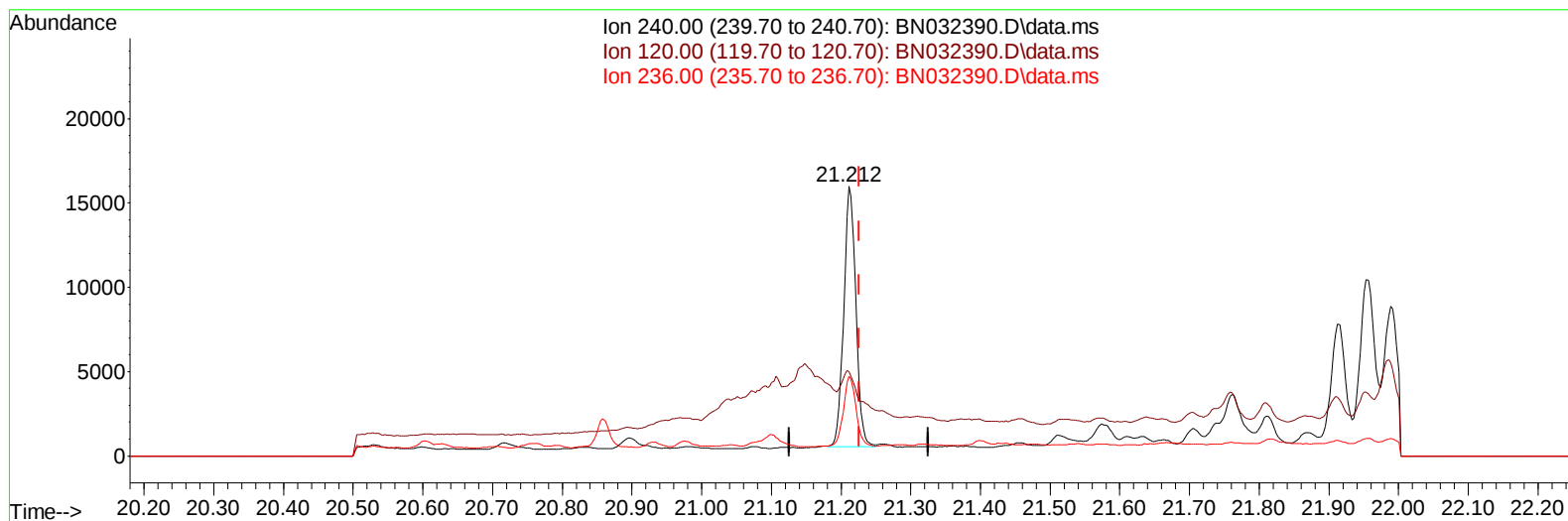
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(17) Chrysene-d12

21.212min (-0.015) 0.40 ng/ul m

response 18578

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	31.27#
236.00	28.40	29.64
0.00	0.00	0.00

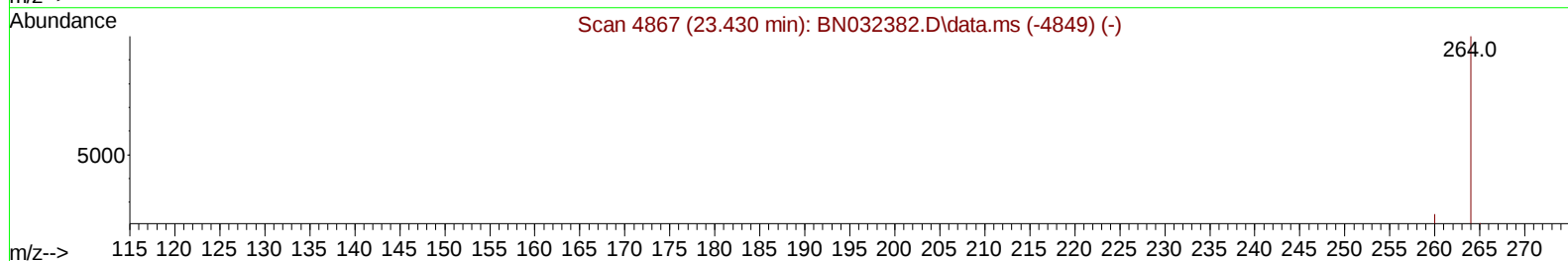
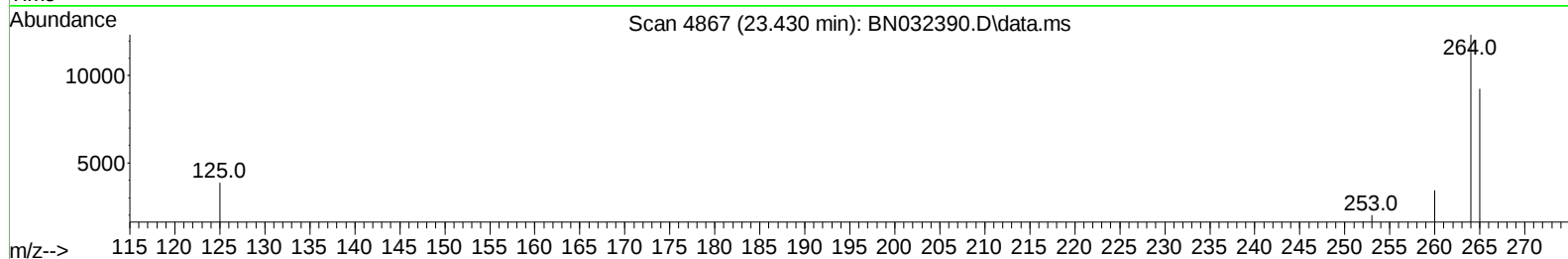
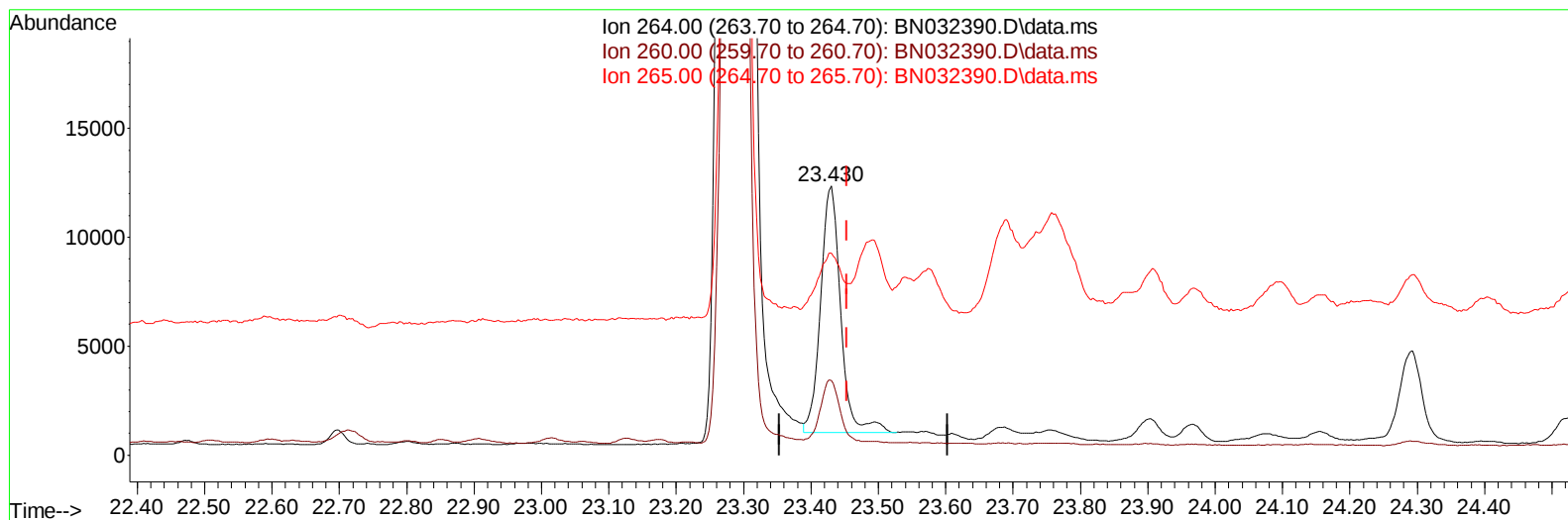
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.023) 0.40 ng/u1

response 23411

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.72
265.00	67.20	75.02
0.00	0.00	0.00

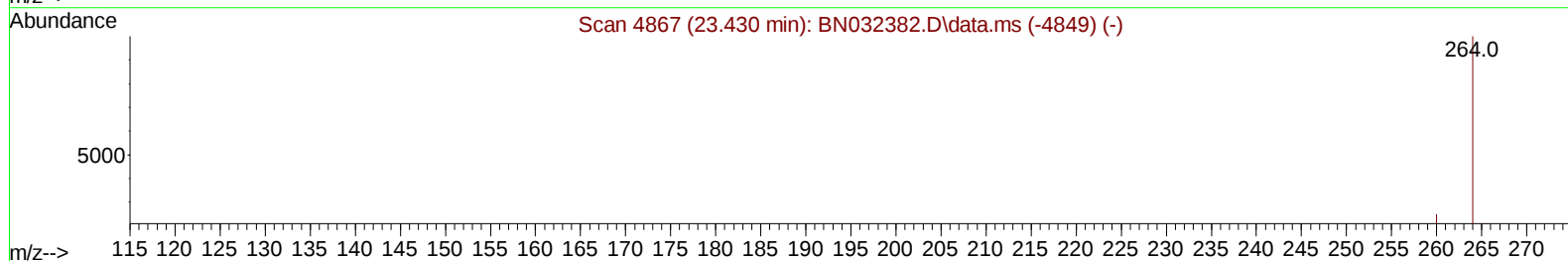
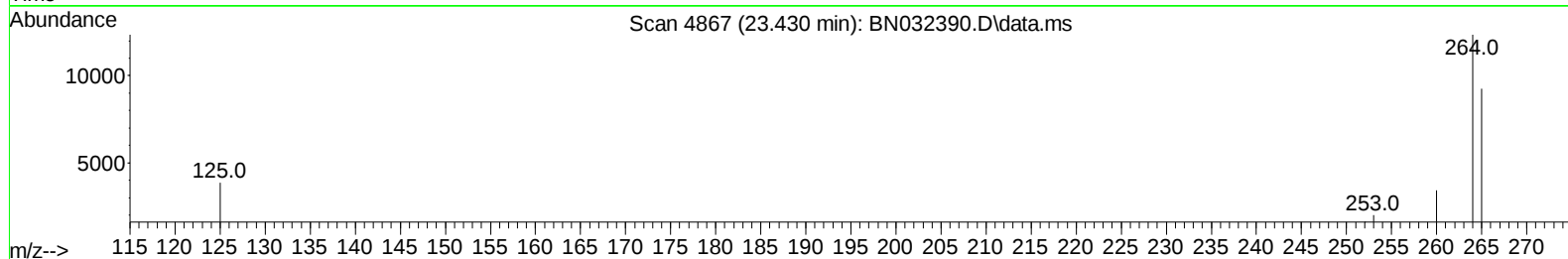
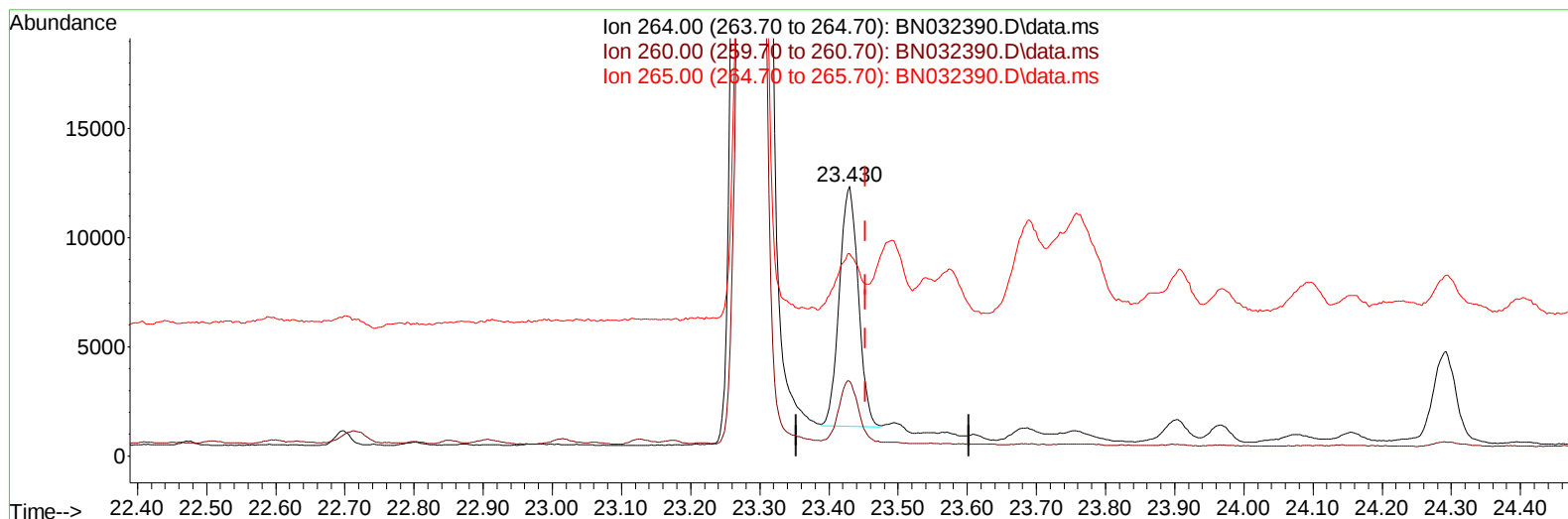
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.023) 0.40 ng/u1 m

response 20844

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.72
265.00	67.20	75.02
0.00	0.00	0.00

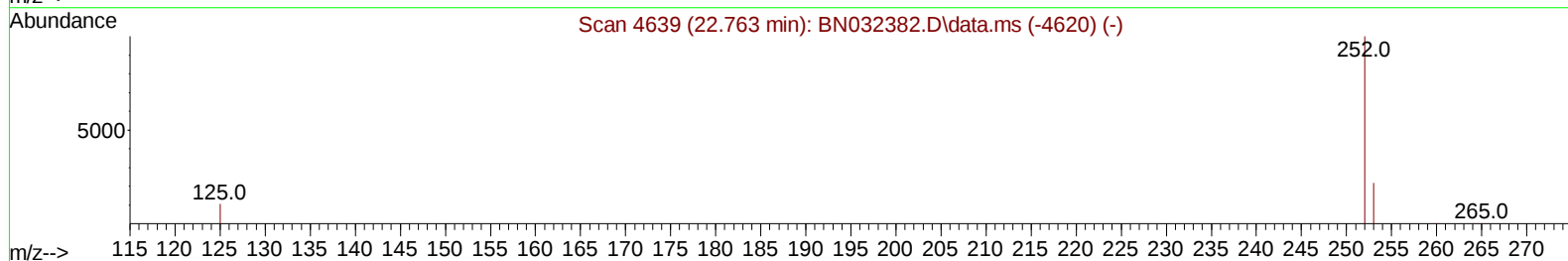
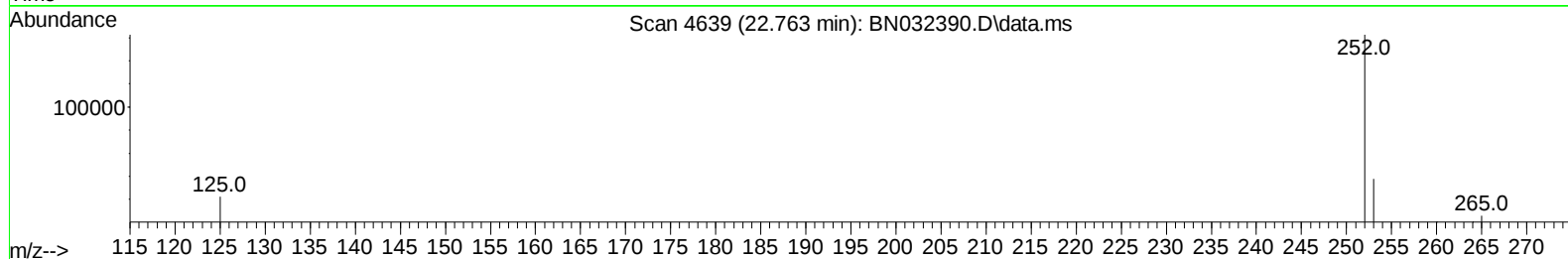
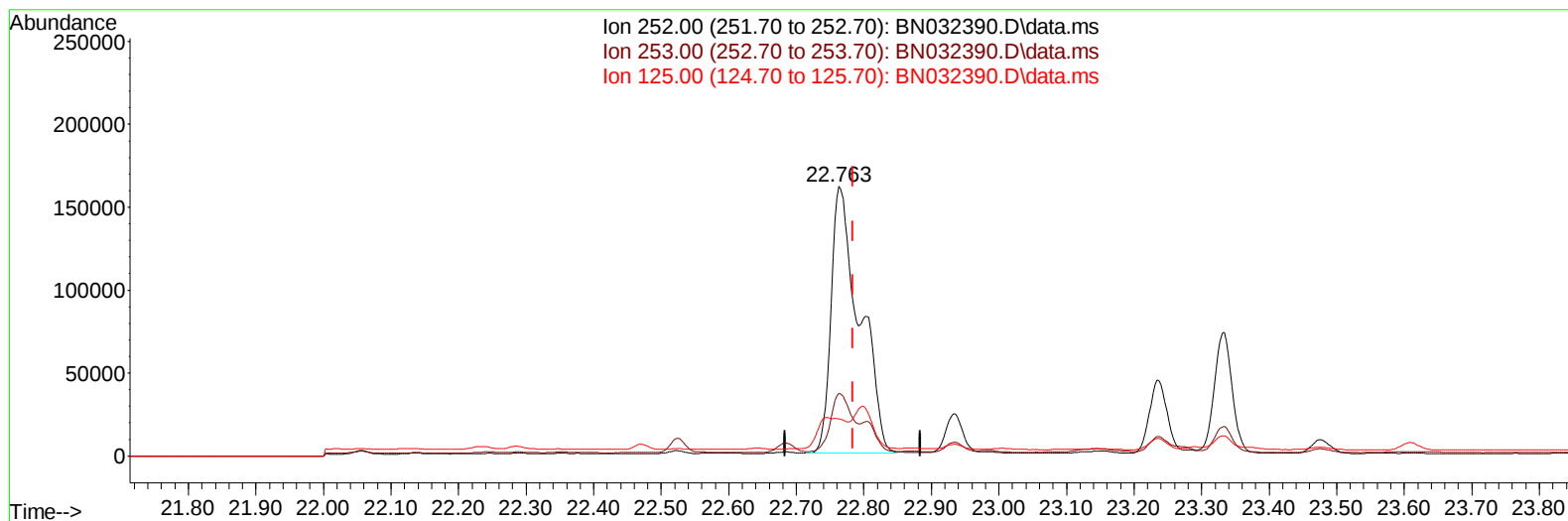
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032390.D
 Acq On : 02 Jul 2024 08:45
 Operator : MA/JU
 Sample : P2871-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.020) 5.20 ng/u1

response 470656

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.16
125.00	16.00	13.91
0.00	0.00	0.00

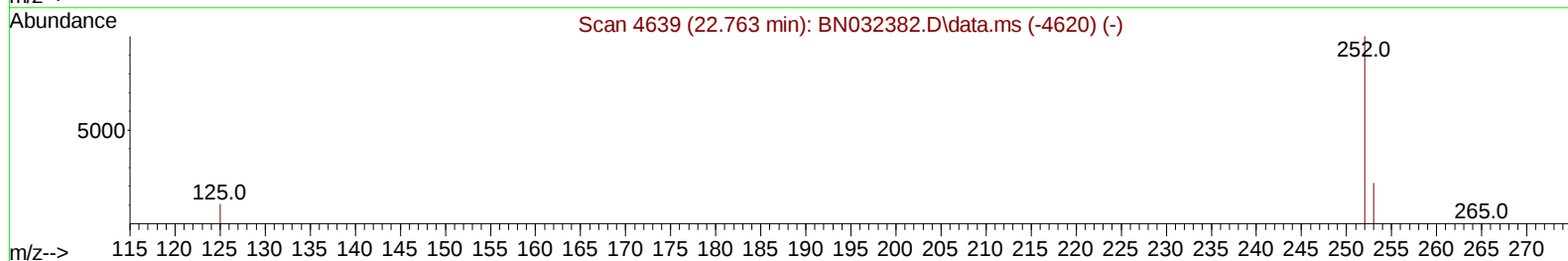
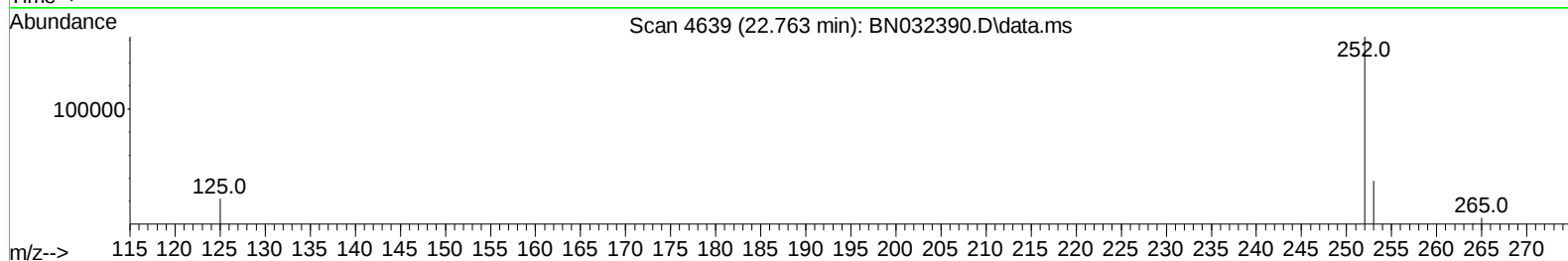
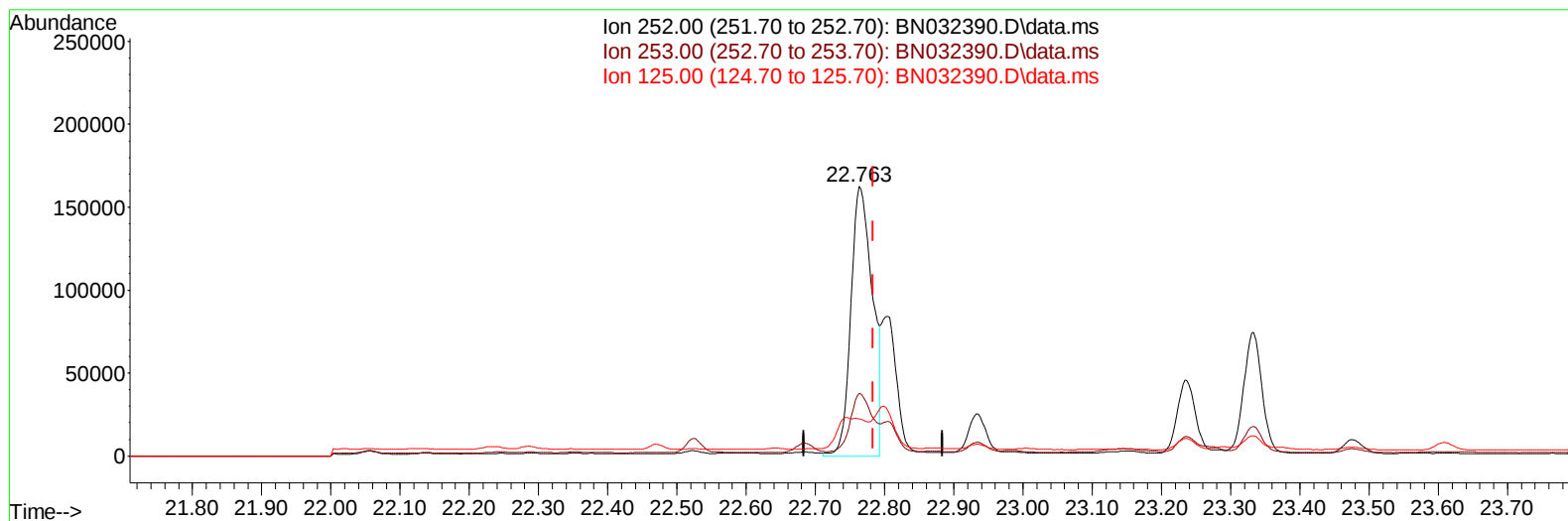
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032390.D
 Acq On : 02 Jul 2024 08:45
 Operator : MA/JU
 Sample : P2871-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.020) 3.90 ng/ul m

response 353152

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.16
125.00	16.00	13.91
0.00	0.00	0.00

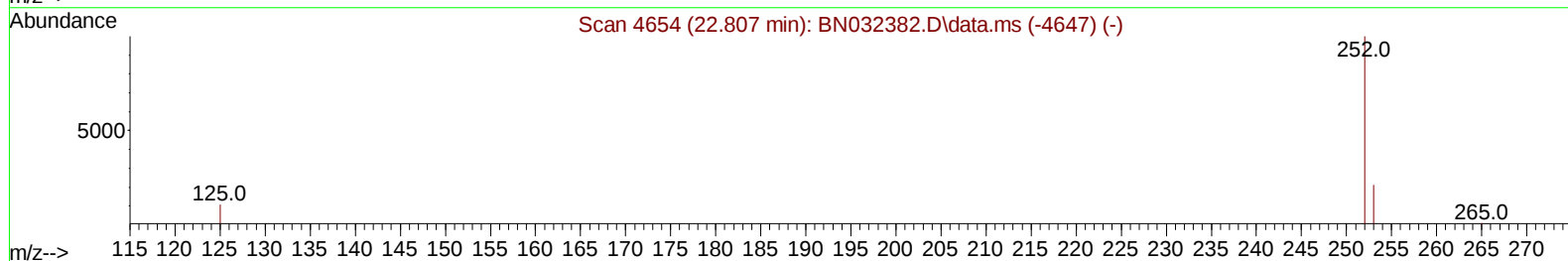
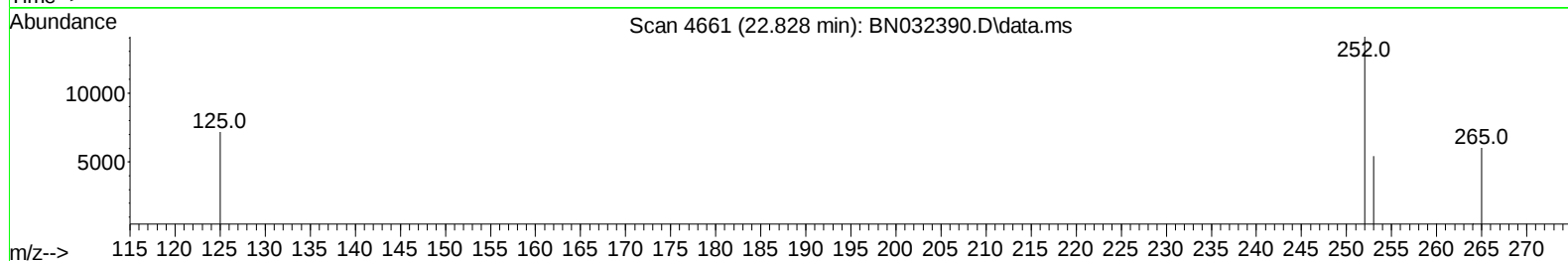
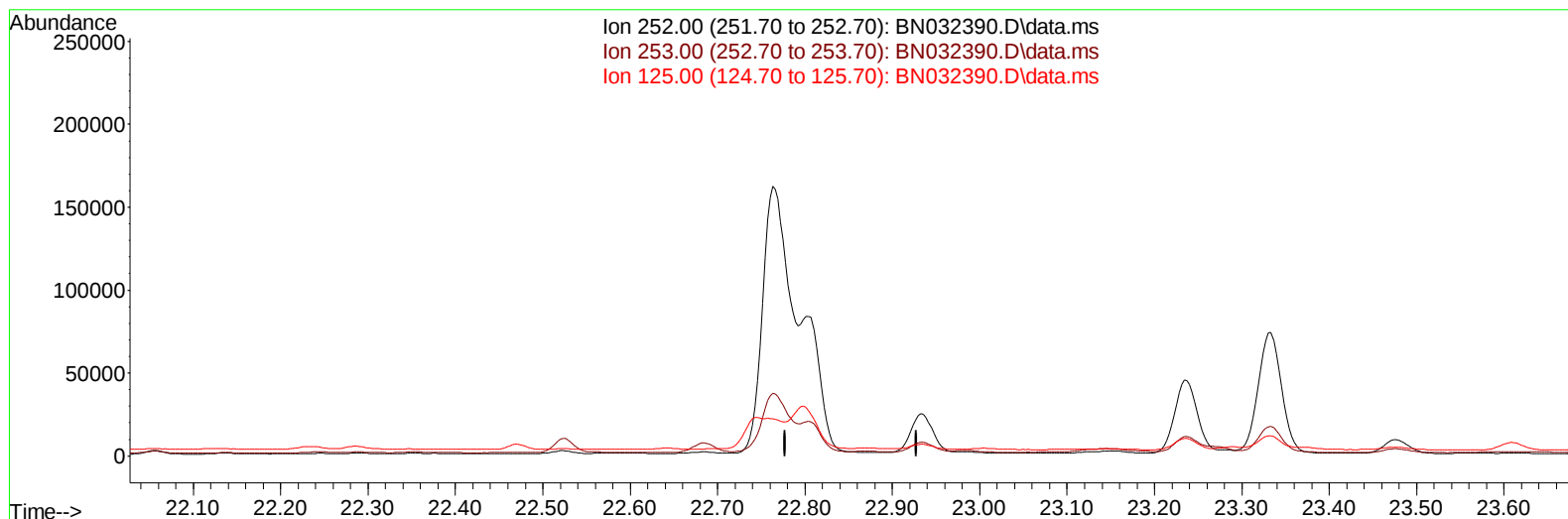
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032390.D
 Acq On : 02 Jul 2024 08:45
 Operator : MA/JU
 Sample : P2871-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(25) Benzo(k)fluoranthene

22.828min (-22.828) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

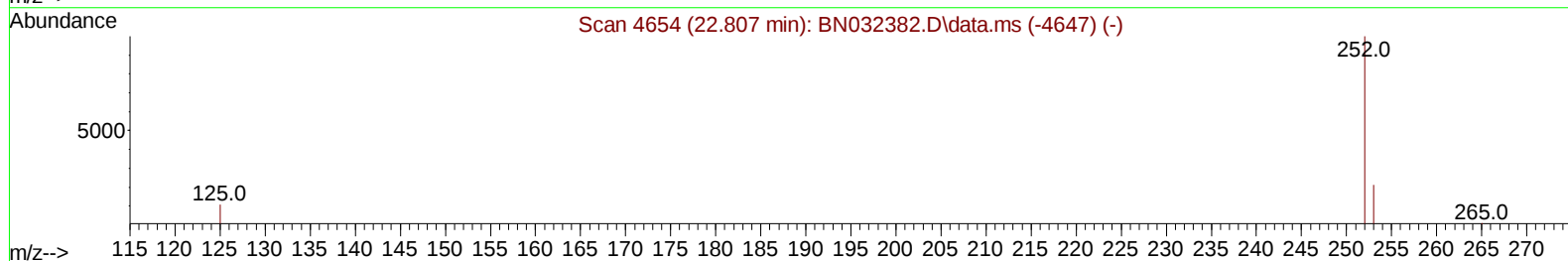
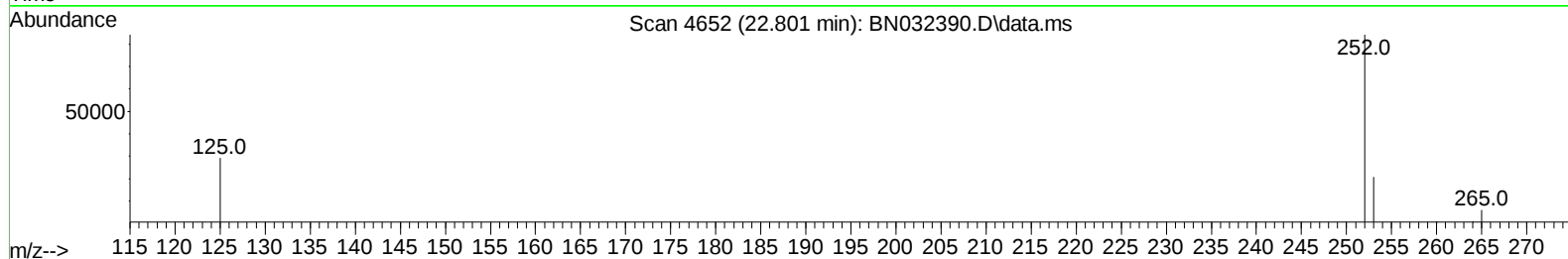
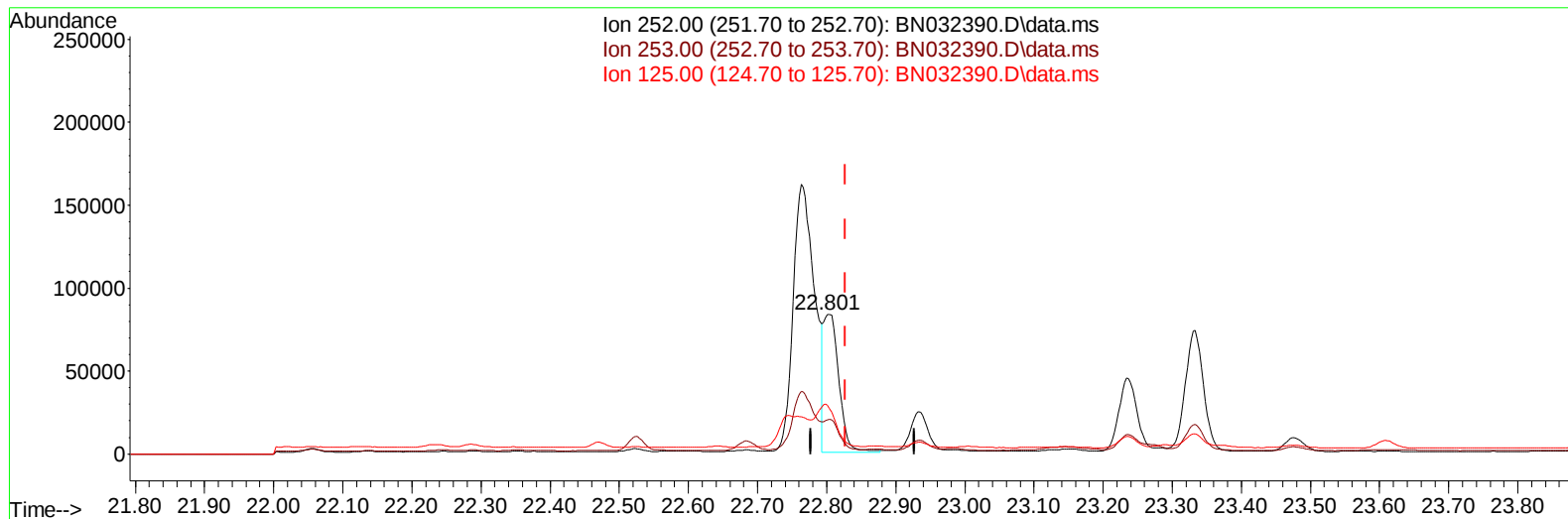
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032390.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-0.026) 1.47 ng/ul m

response 129232

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	24.61
125.00	16.00	34.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032390.D
 Acq On : 02 Jul 2024 08:45
 Operator : MA/JU
 Sample : P2871-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CN4

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 09:12:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.603	152		8819	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.382	136		28699	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.253	164		16813	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.008	188		30369m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.212	240		18578m	0.400	ng/ul	-0.01
23) Perylene-d12	23.430	264		20844m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.144	96		33324	3.399	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.977	152		10924	0.254	ng/ul	-0.02
18) Fluoranthene-d10	19.041	212		16986	0.304	ng/ul	-0.02
Target Compounds							
							Qvalue
5) Naphthalene	10.431	128		16923	0.223	ng/ul	99
7) 2-Methylnaphthalene	12.054	142		5358	0.106	ng/ul	98
8) 1-Methylnaphthalene	12.274	142		3445	0.066	ng/ul	100
10) Acenaphthylene	13.971	152		17625	0.252	ng/ul	97
11) Acenaphthene	14.313	153		11525	0.212	ng/ul	98
12) Fluorene	15.308	166		12976	0.201	ng/ul#	98
15) Phenanthrene	17.046	178		276985m	3.327	ng/ul	
16) Anthracene	17.139	178		51338m	0.691	ng/ul	
19) Fluoranthene	19.073	202		551927	7.802	ng/ul	99
20) Pyrene	19.440	202		381982	5.167	ng/ul	98
21) Benzo(a)anthracene	21.197	228		214034	3.192	ng/ul	97
22) Chrysene	21.250	228		246930	3.355	ng/ul	97
24) Benzo(b)fluoranthene	22.763	252		353152m	3.900	ng/ul	
25) Benzo(k)fluoranthene	22.801	252		129232m	1.469	ng/ul	
26) Benzo(a)pyrene	23.333	252		134628	2.137	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.663	276		140154	1.421	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.663	278		43992	0.600	ng/ul#	86
29) Benzo(g,h,i)perylene	26.347	276		21734	0.277	ng/ul#	82

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032390.D
Acq On : 02 Jul 2024 08:45
Operator : MA/JU
Sample : P2871-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CN4

Manual IntegrationsAPPROVED

Quant Time: Jul 02 09:12:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

