

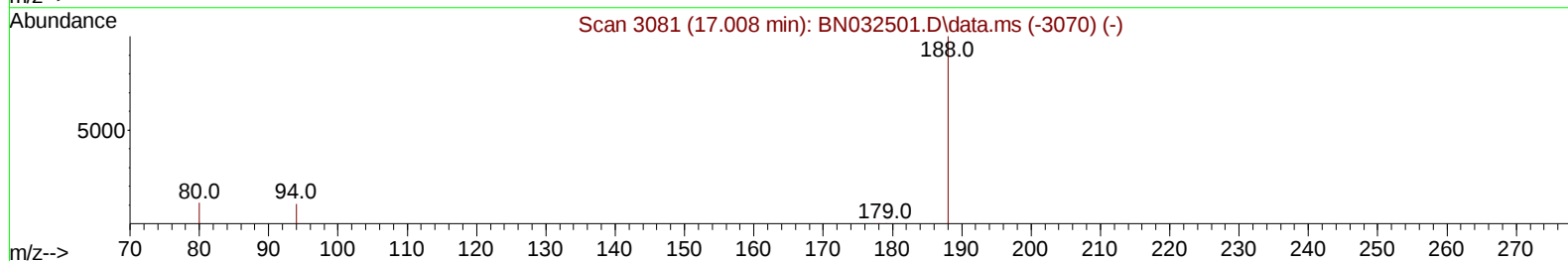
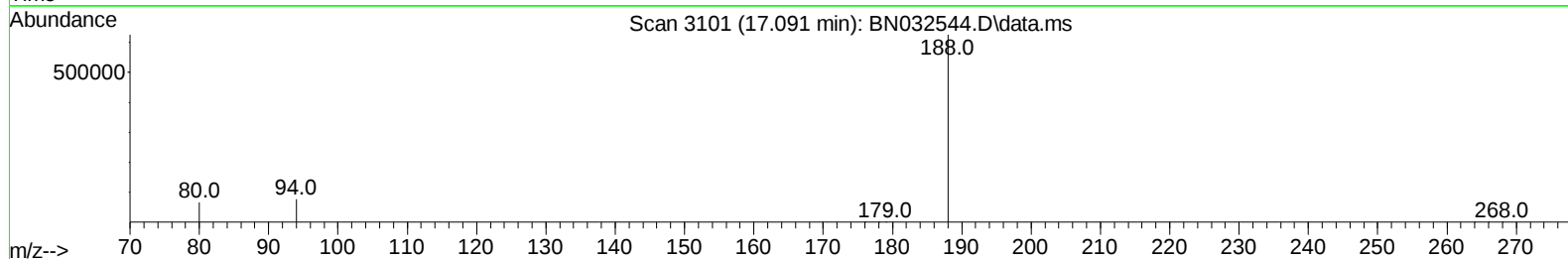
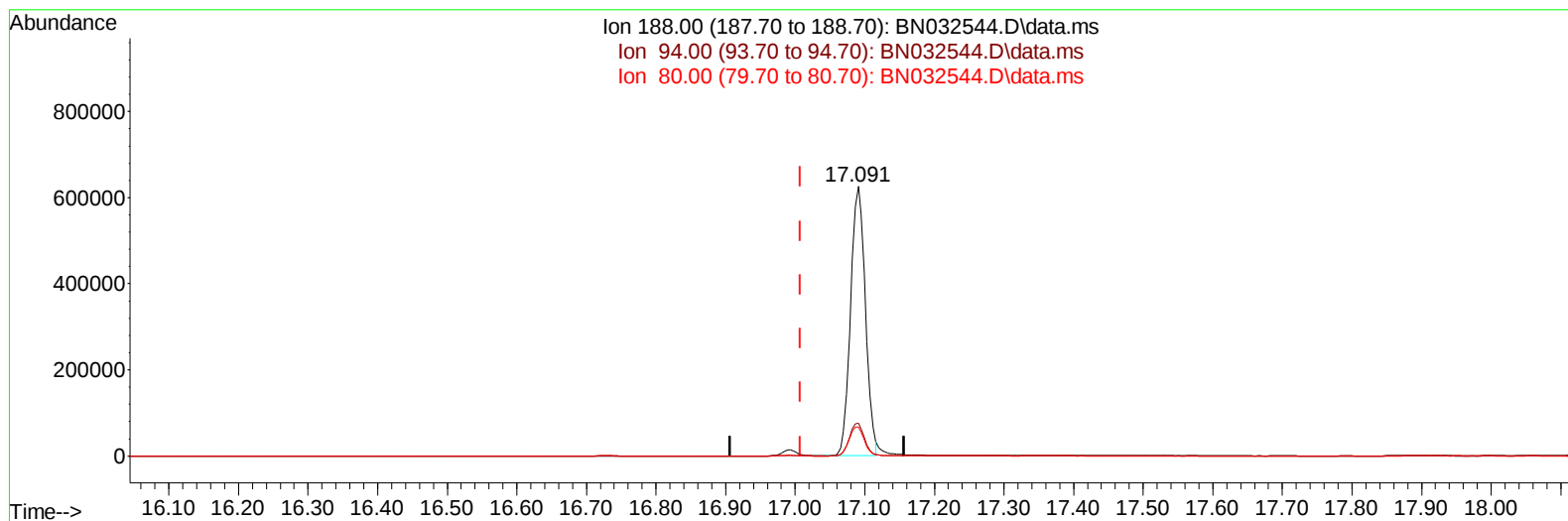
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(13) Phenanthrene-d10 (I)

17.091min (+ 0.083) 0.40 ng/u1

response 926564

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.07
80.00	10.50	10.70
0.00	0.00	0.00

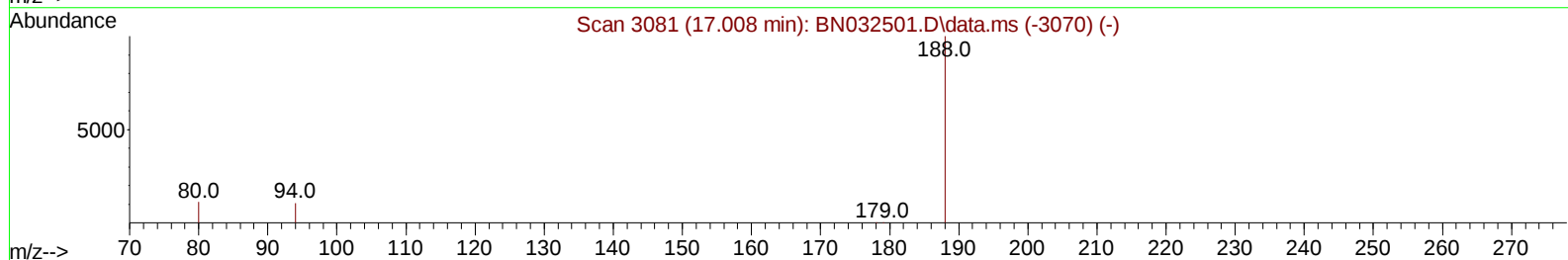
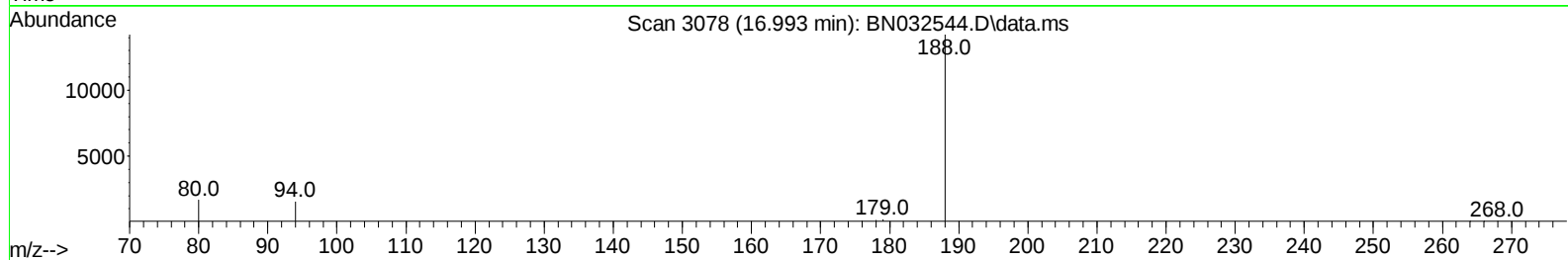
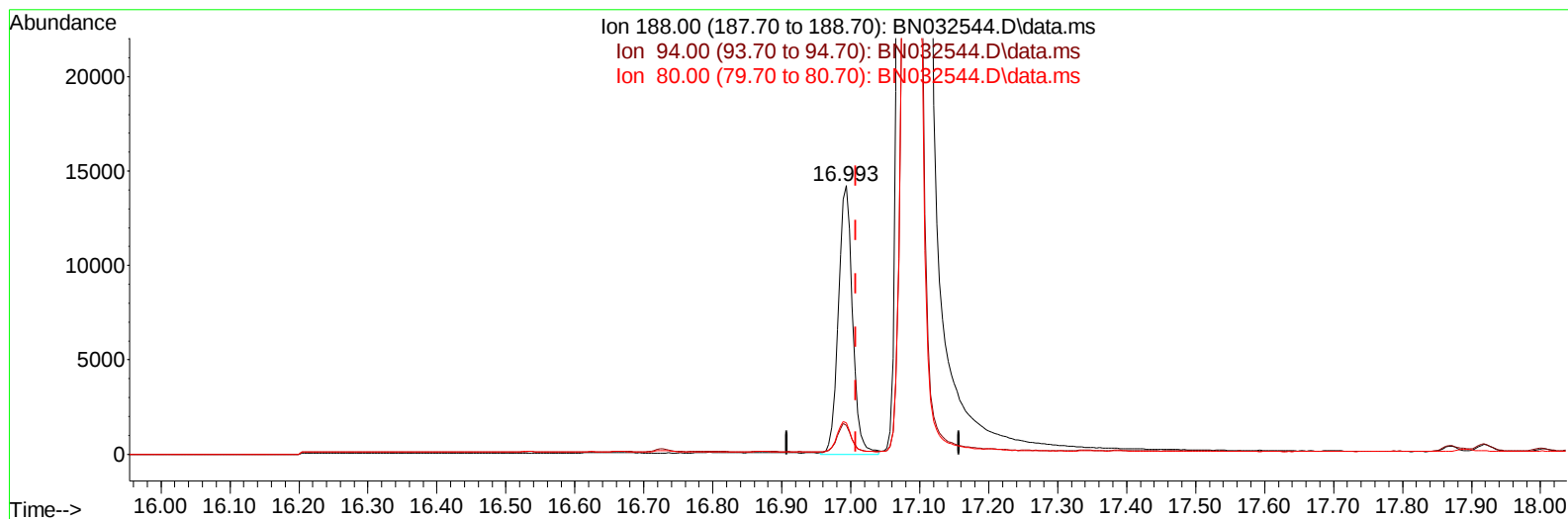
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(13) Phenanthrene-d10 (I)

16.993min (-0.014) 0.40 ng/ul m

response 20215

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.70
80.00	10.50	11.71
0.00	0.00	0.00

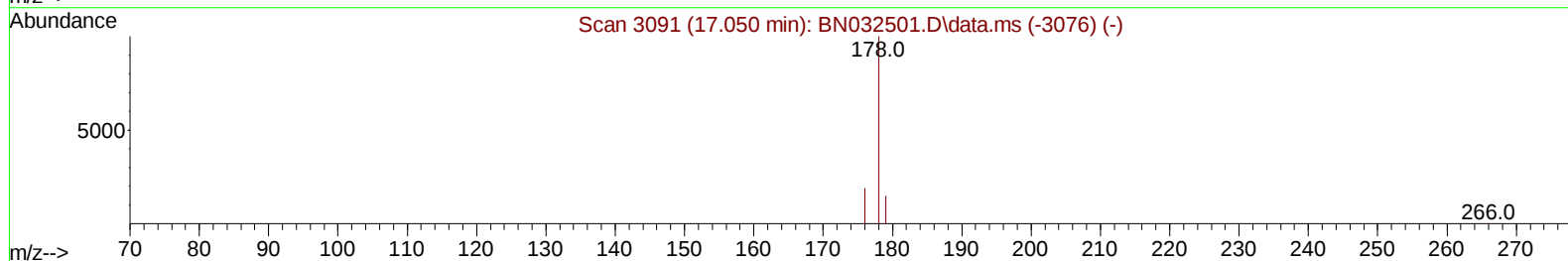
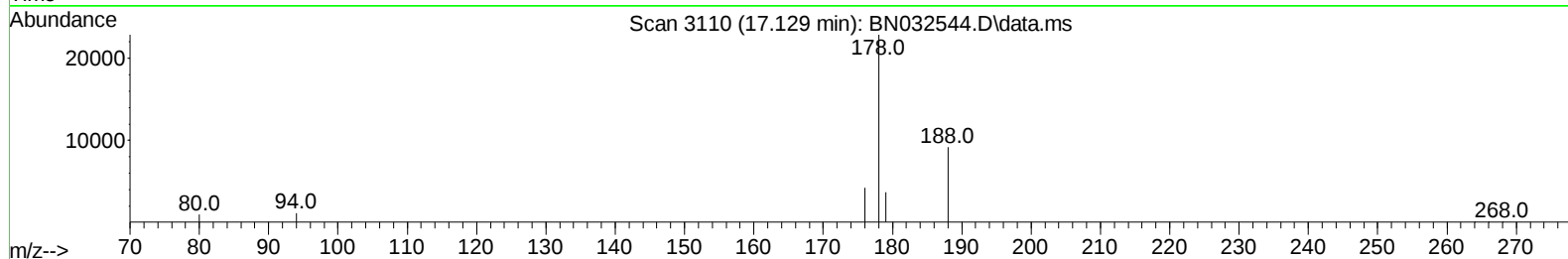
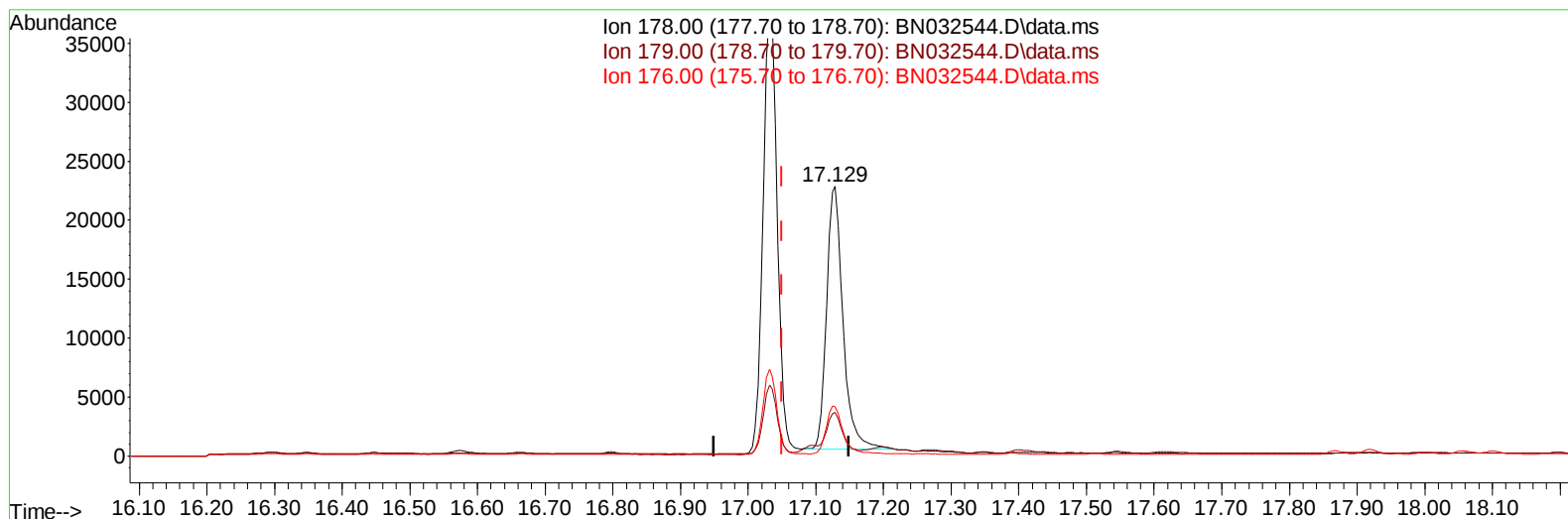
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(15) Phenanthrene

17.129min (+ 0.079) 0.68 ng/u1

response 37512

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.19
176.00	19.50	18.40
0.00	0.00	0.00

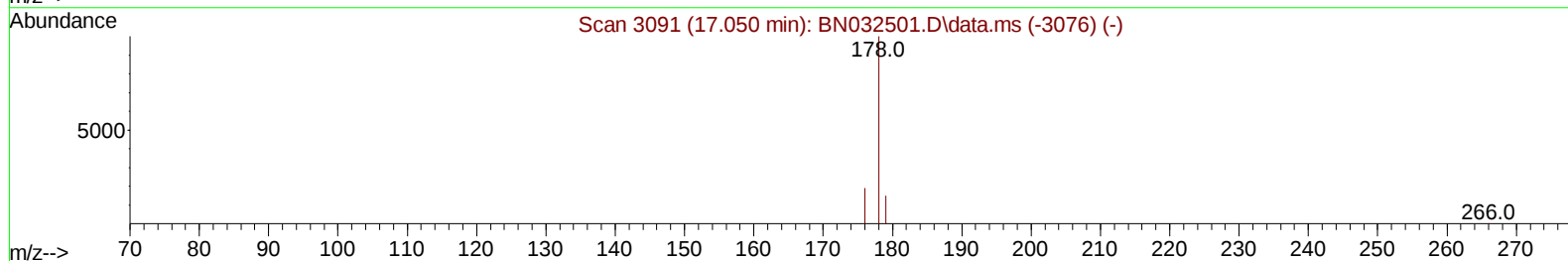
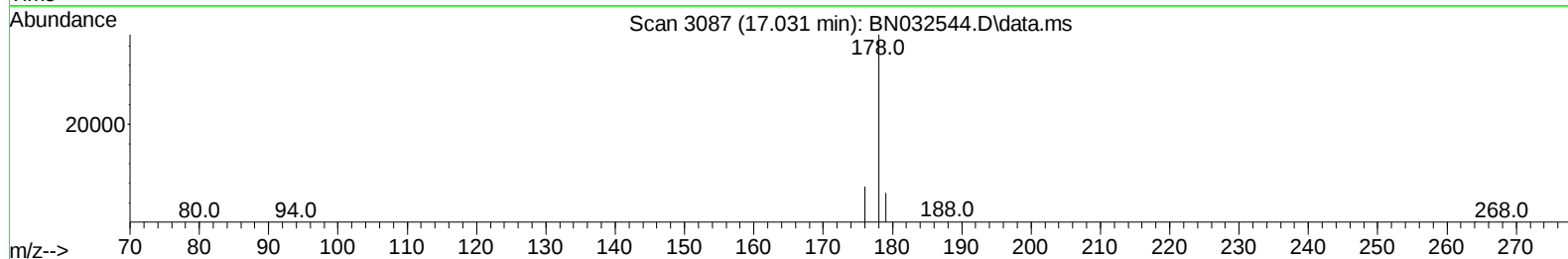
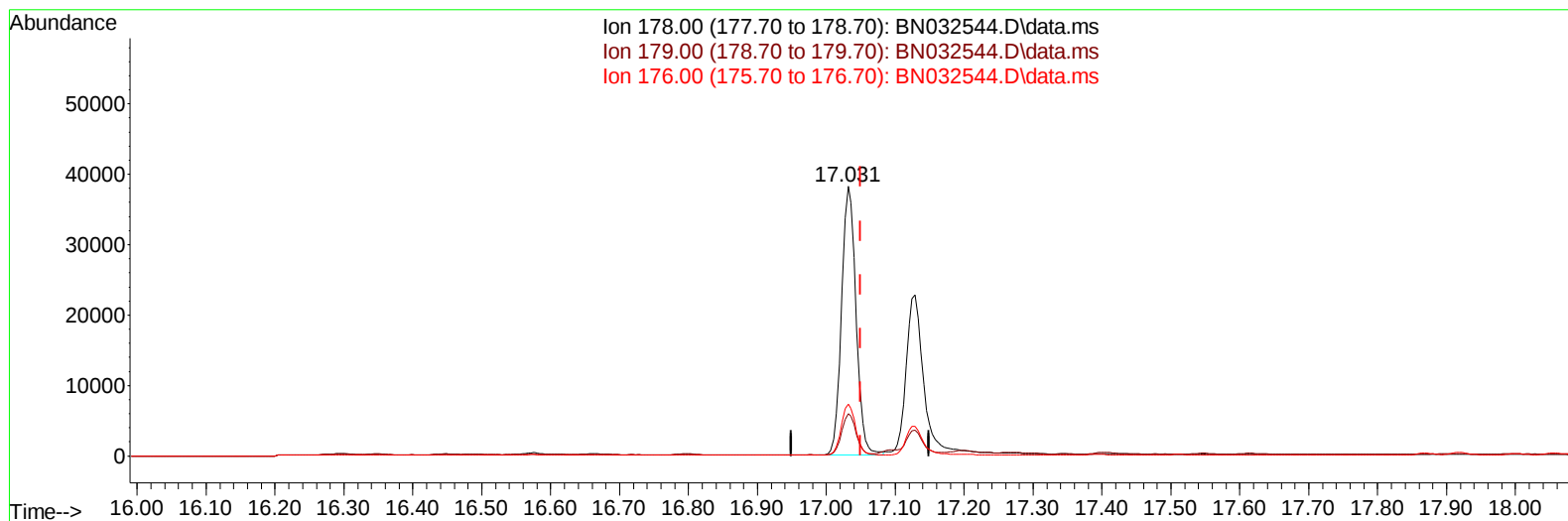
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(15) Phenanthrene

17.031min (-0.018) 1.00 ng/ul m

response 55415

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.70
176.00	19.50	19.25
0.00	0.00	0.00

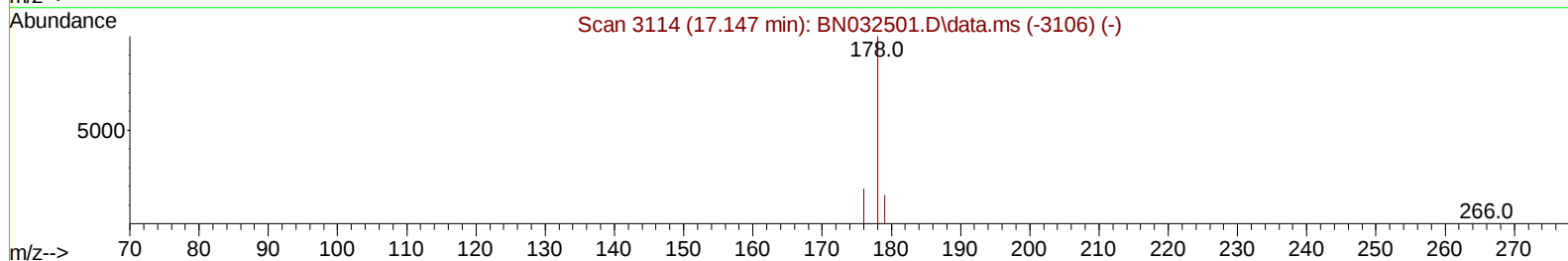
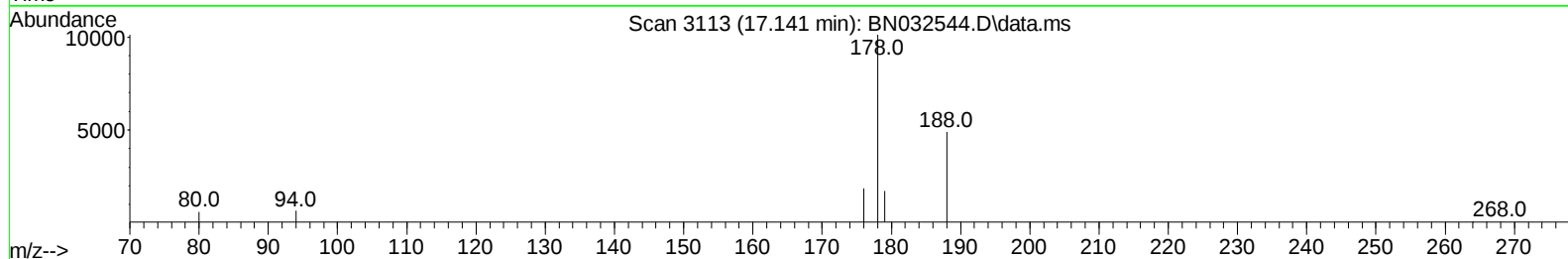
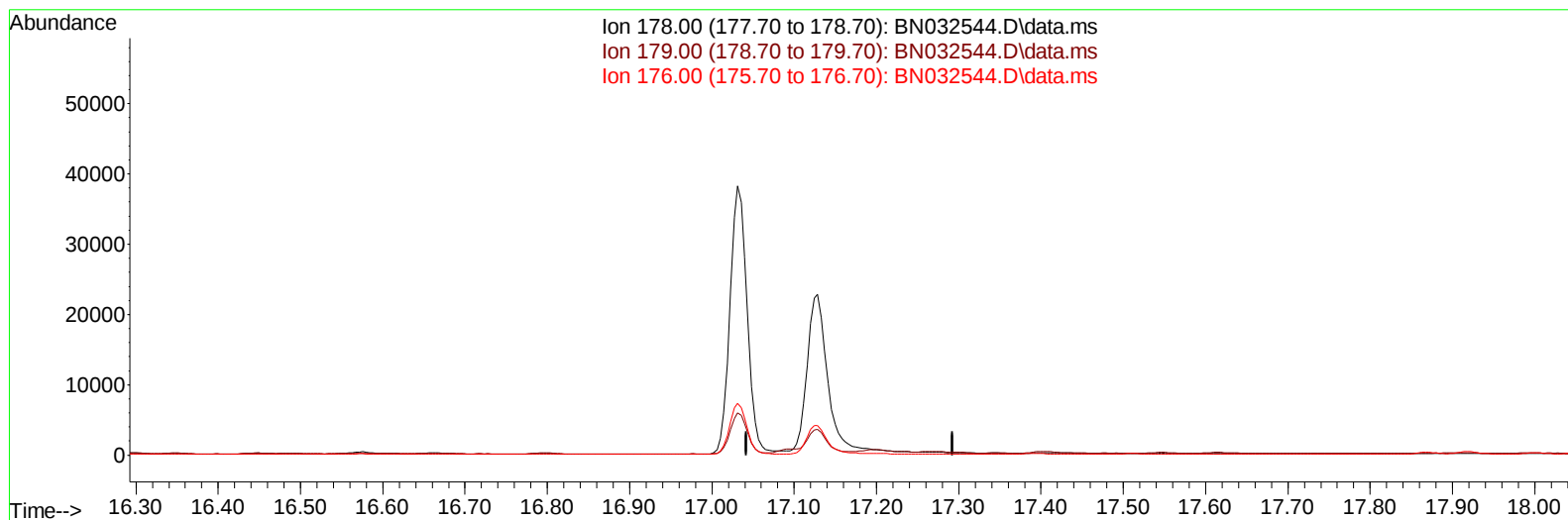
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(16) Anthracene

17.143min (-17.143) 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

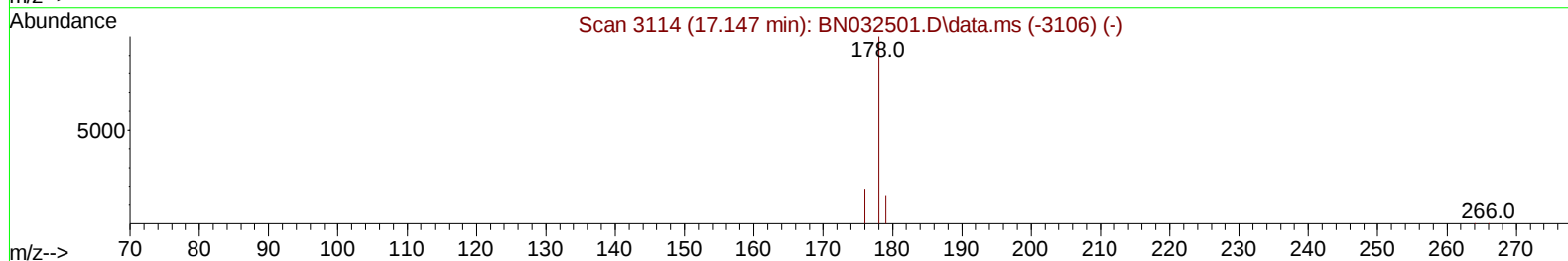
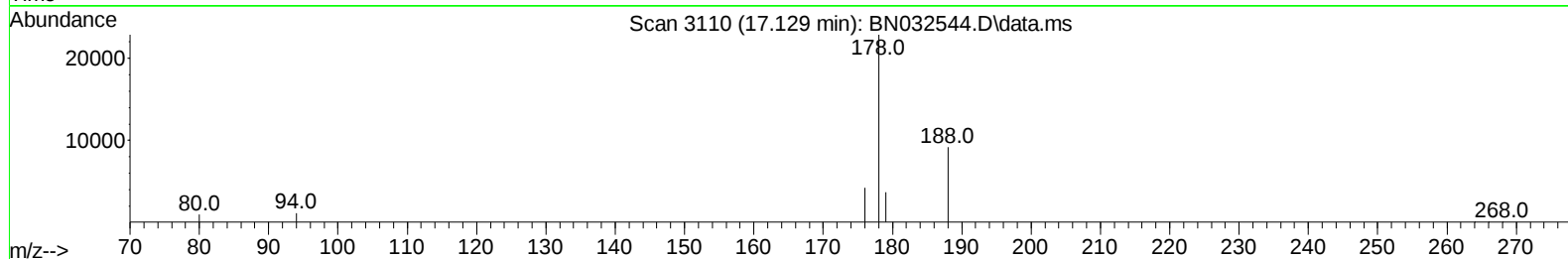
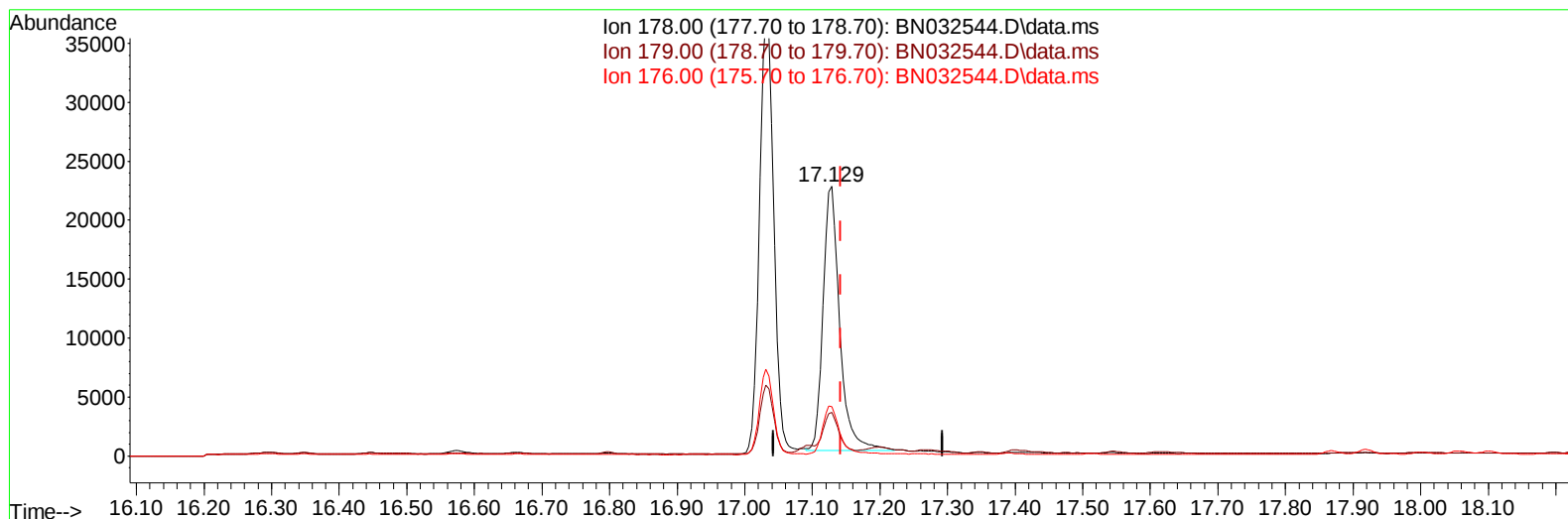
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(16) Anthracene

17.129min (-0.014) 0.77 ng/ul m

response 38201

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	16.19
176.00	18.80	18.40
0.00	0.00	0.00

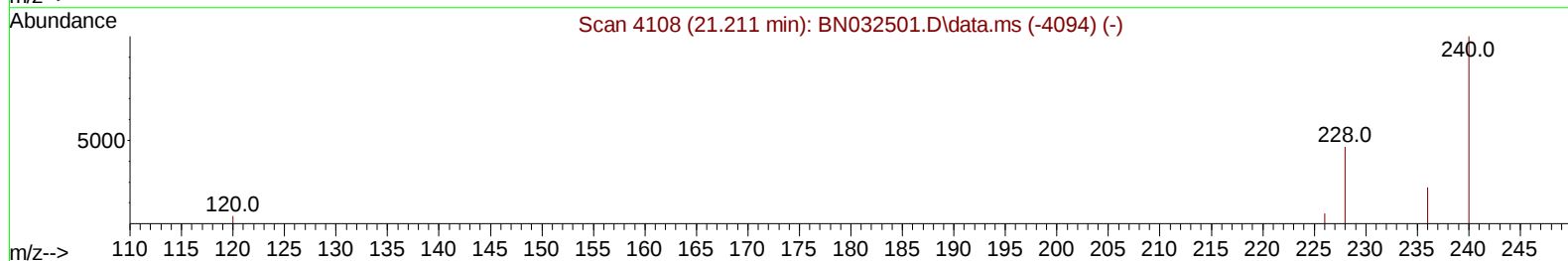
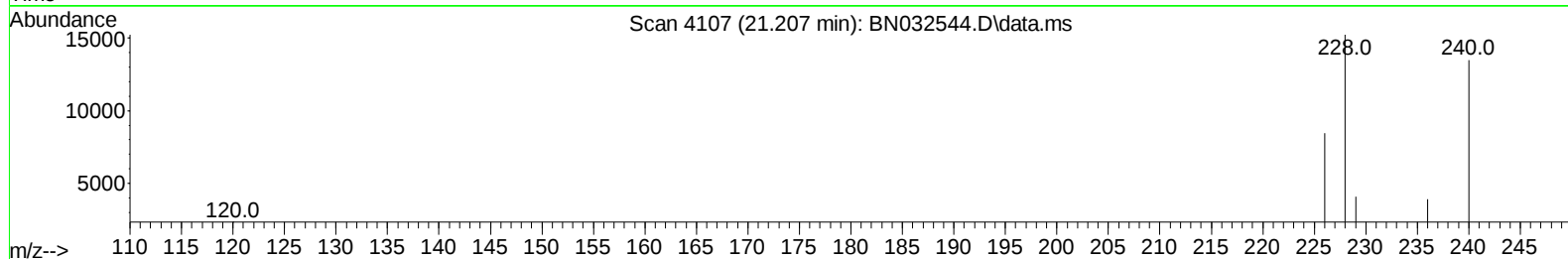
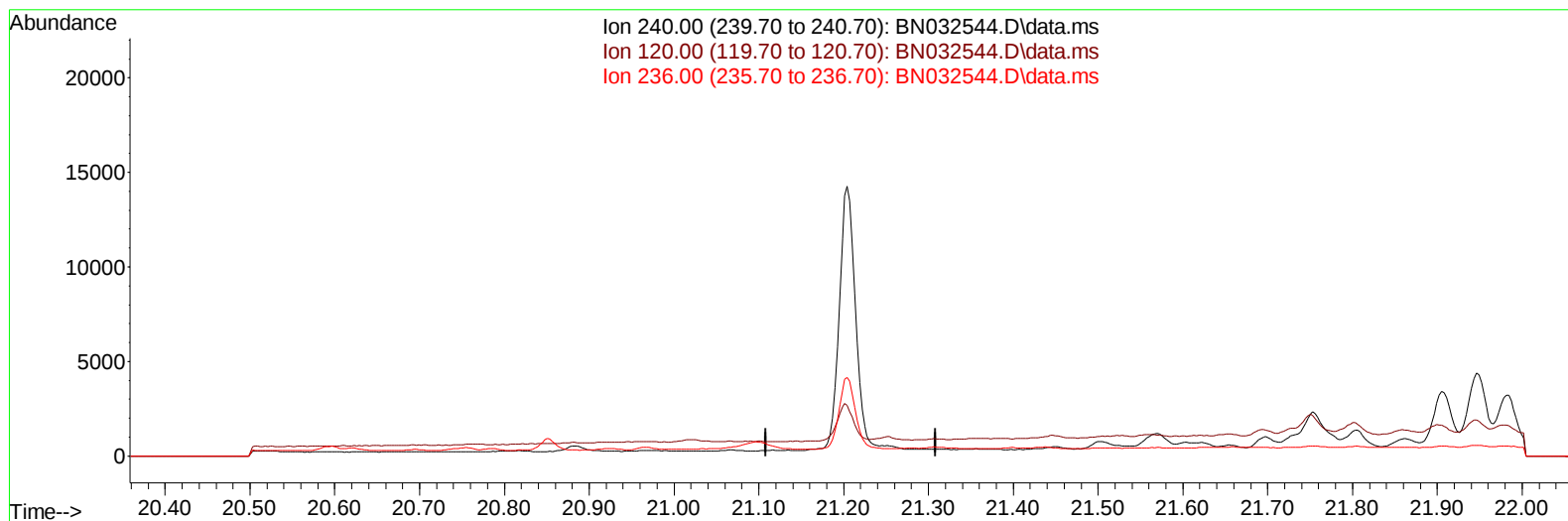
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(17) Chrysene-d12

21.209min (-21.209) 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

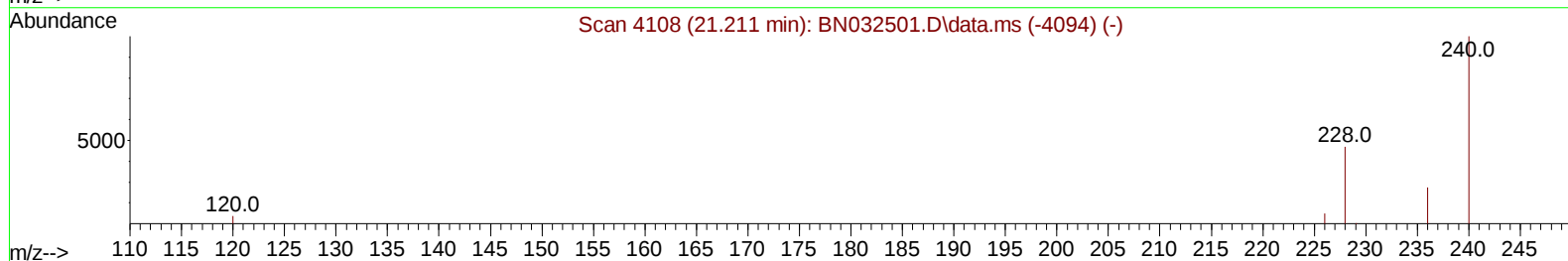
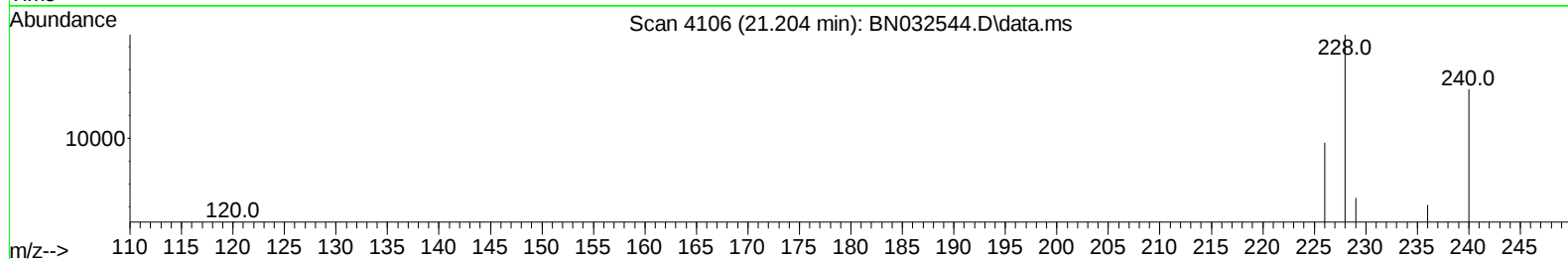
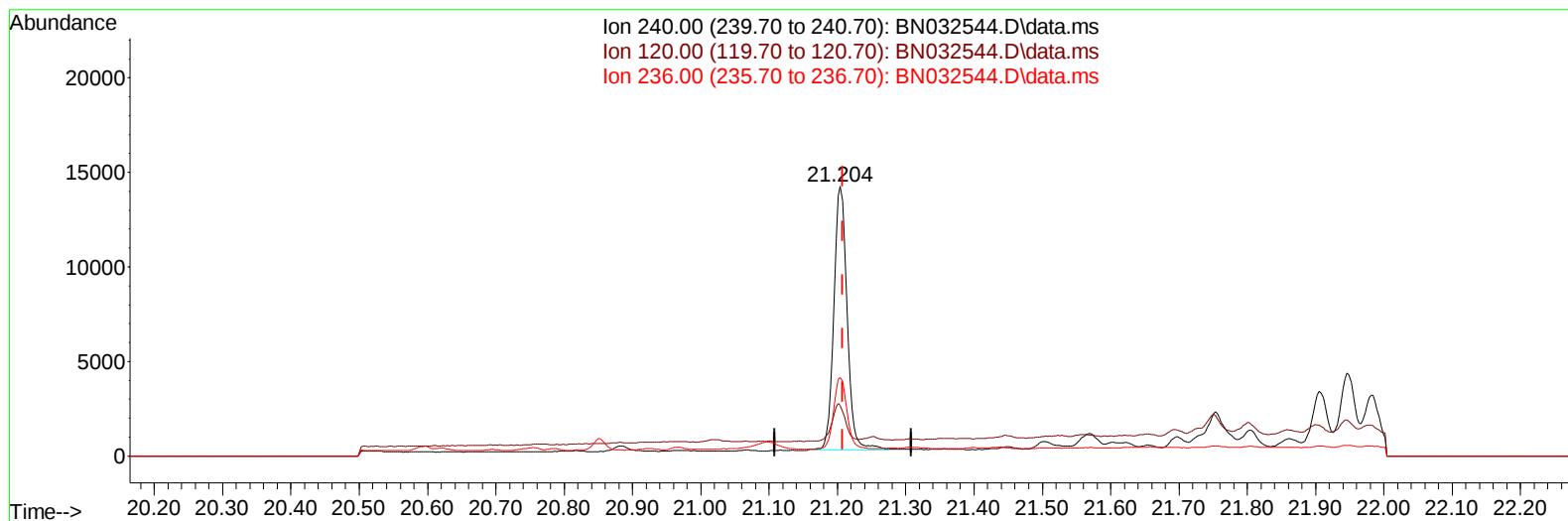
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(17) Chrysene-d12

21.204min (-0.004) 0.40 ng/ul m

response 18726

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	18.69
236.00	28.40	29.10
0.00	0.00	0.00

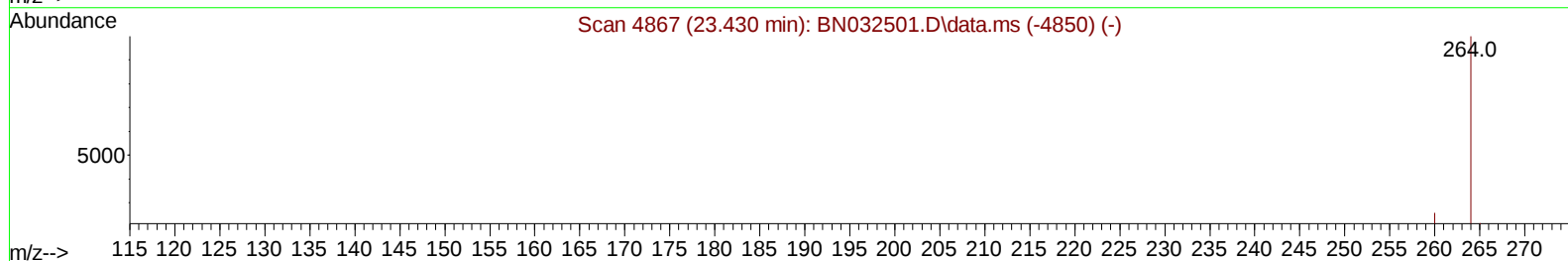
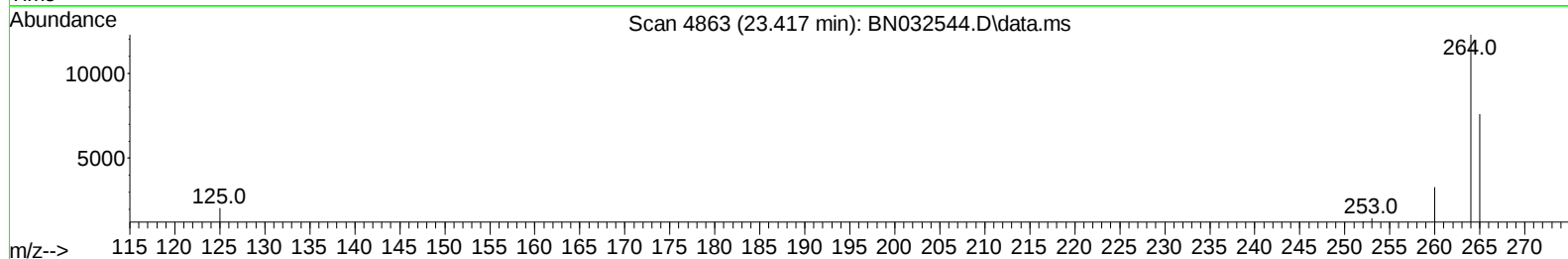
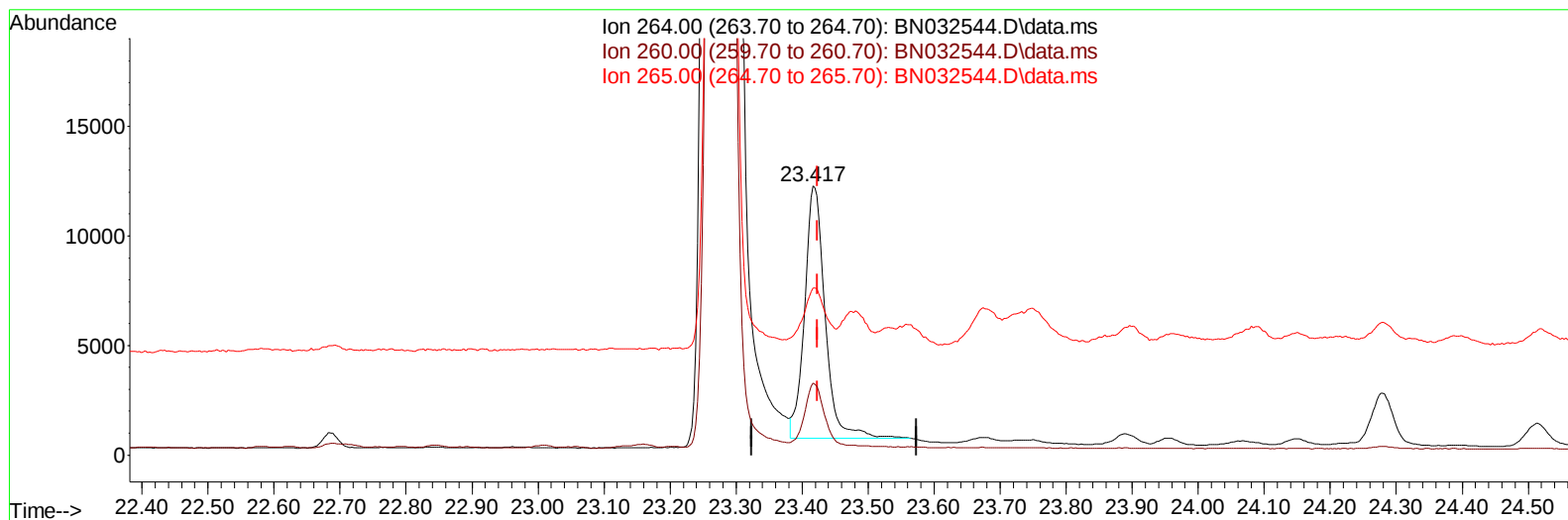
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(23) Perylene-d12 (I)

23.417min (-0.007) 0.40 ng/u1

response 24736

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.82
265.00	67.20	62.03
0.00	0.00	0.00

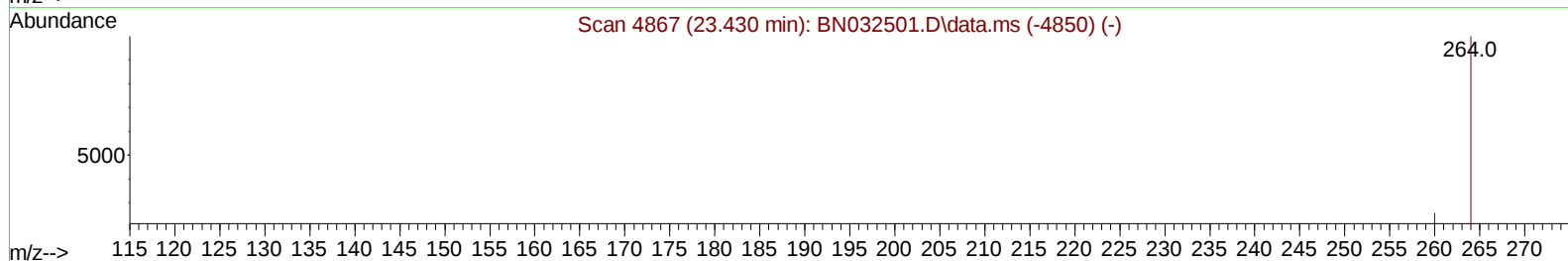
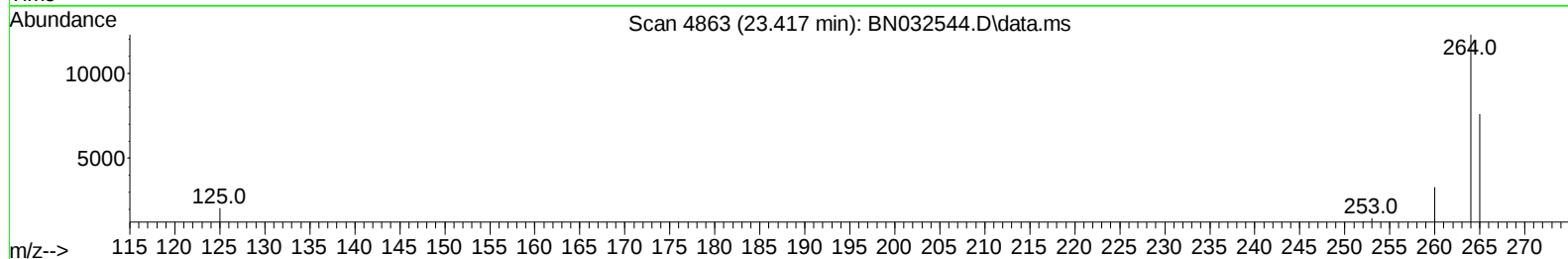
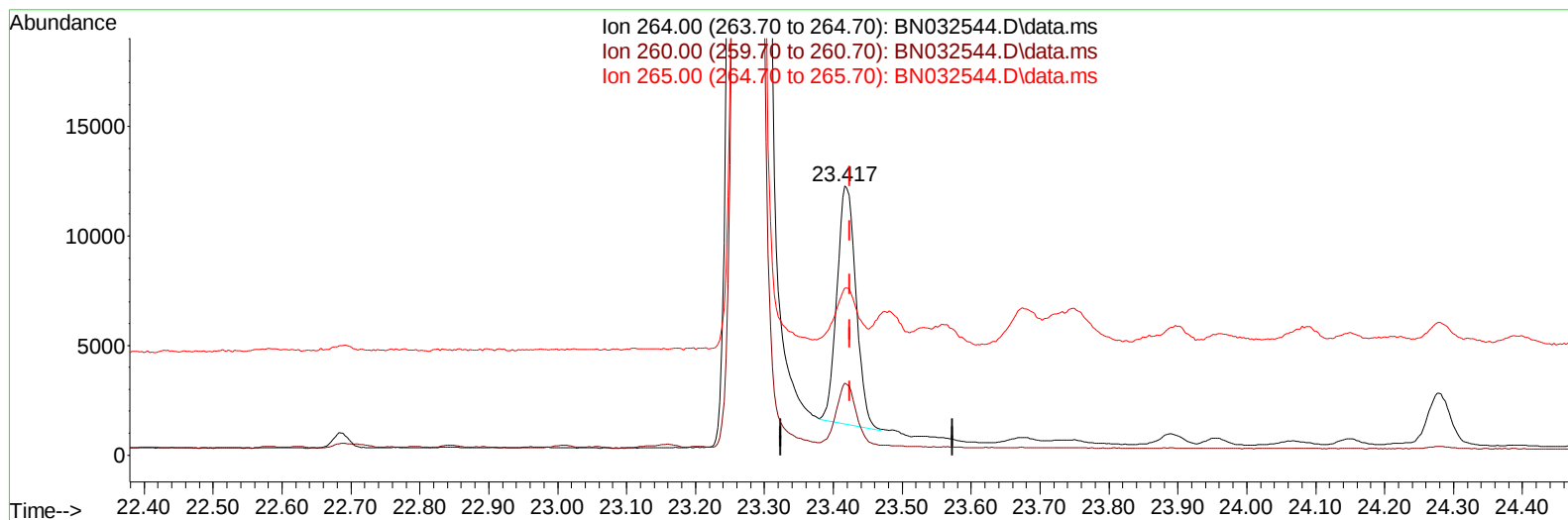
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(23) Perylene-d12 (I)

23.417min (-0.007) 0.40 ng/ul m

response 20826

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.82
265.00	67.20	62.03
0.00	0.00	0.00

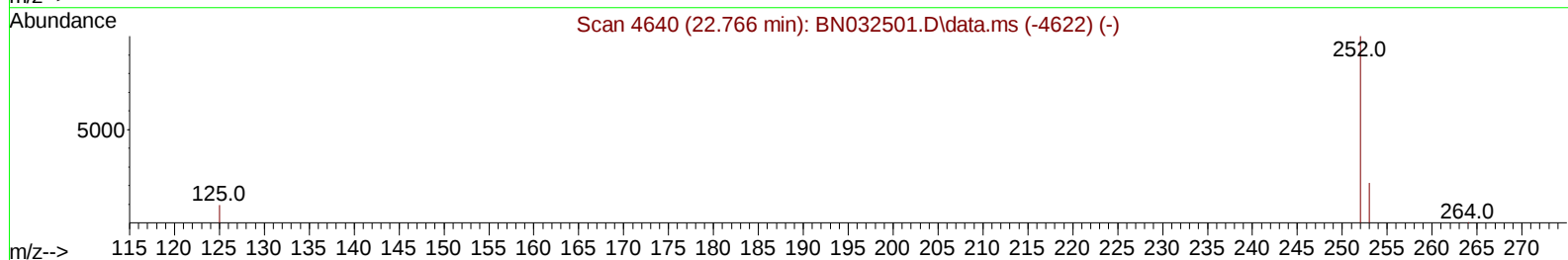
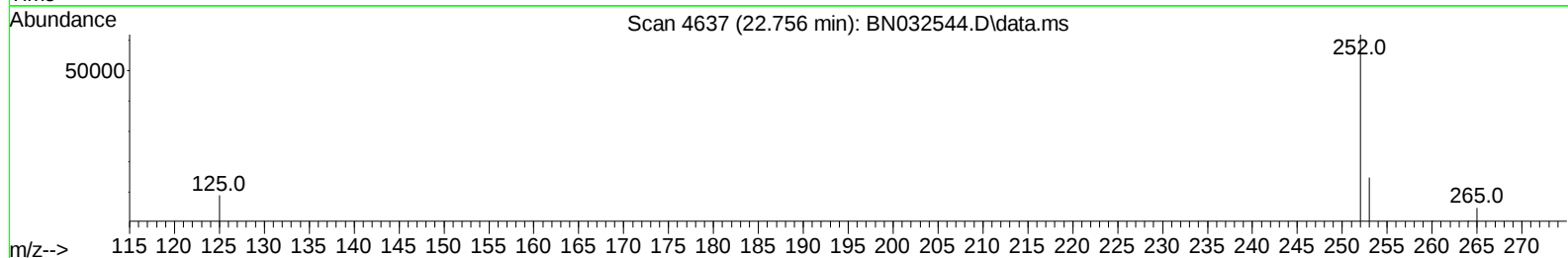
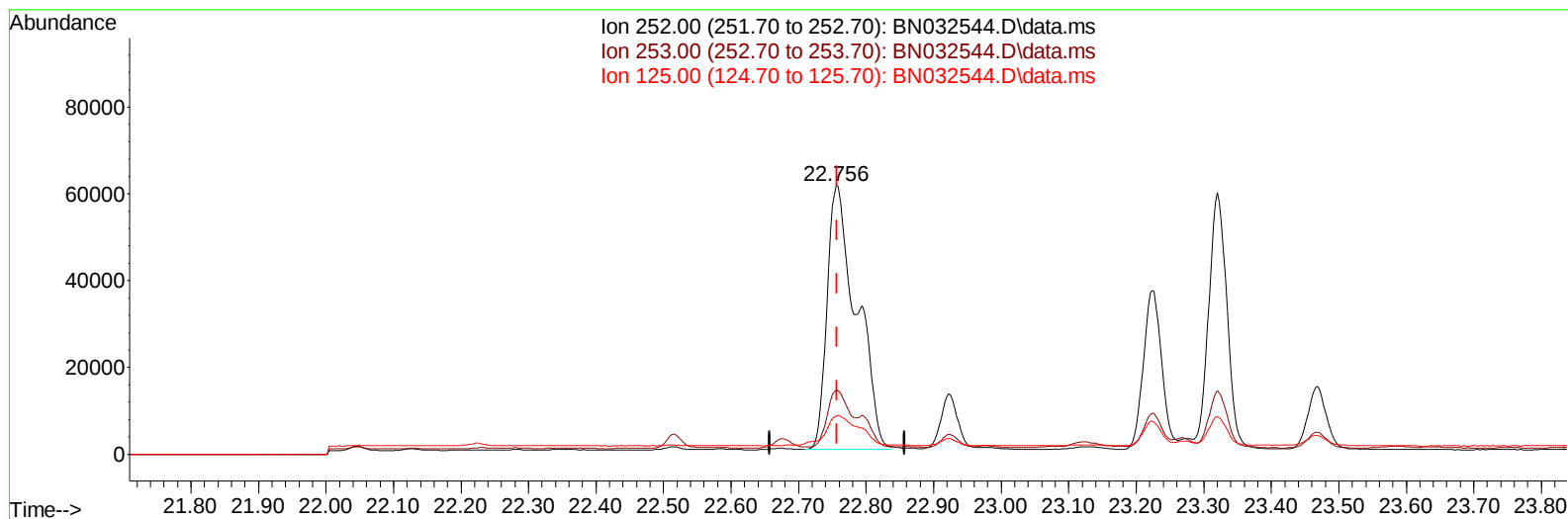
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(24) Benzo(b)fluoranthene

22.756min (-0.001) 2.03 ng/u1

response 183848

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.72
125.00	16.00	14.28
0.00	0.00	0.00

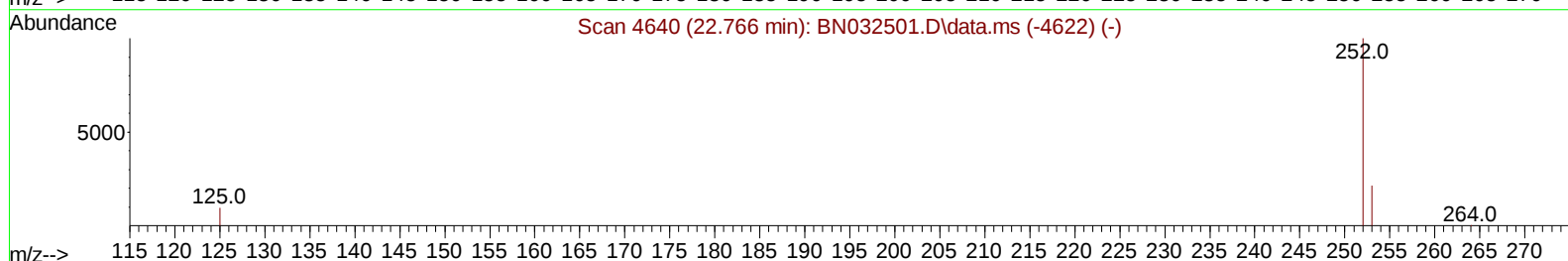
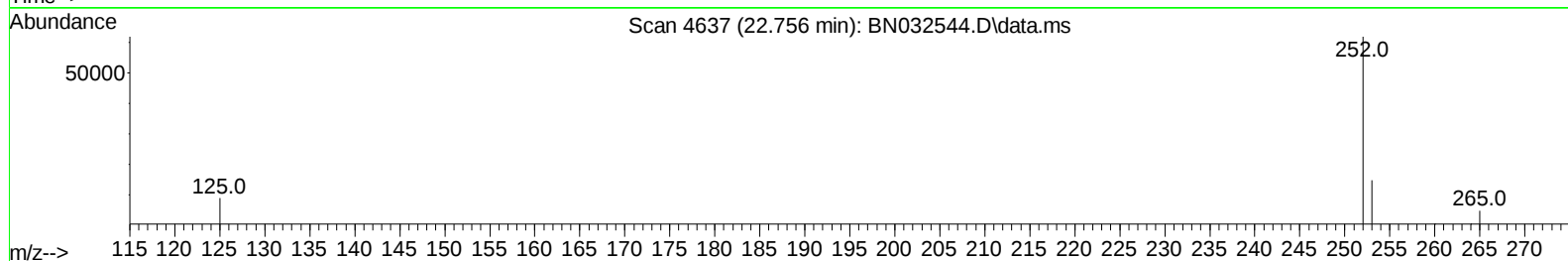
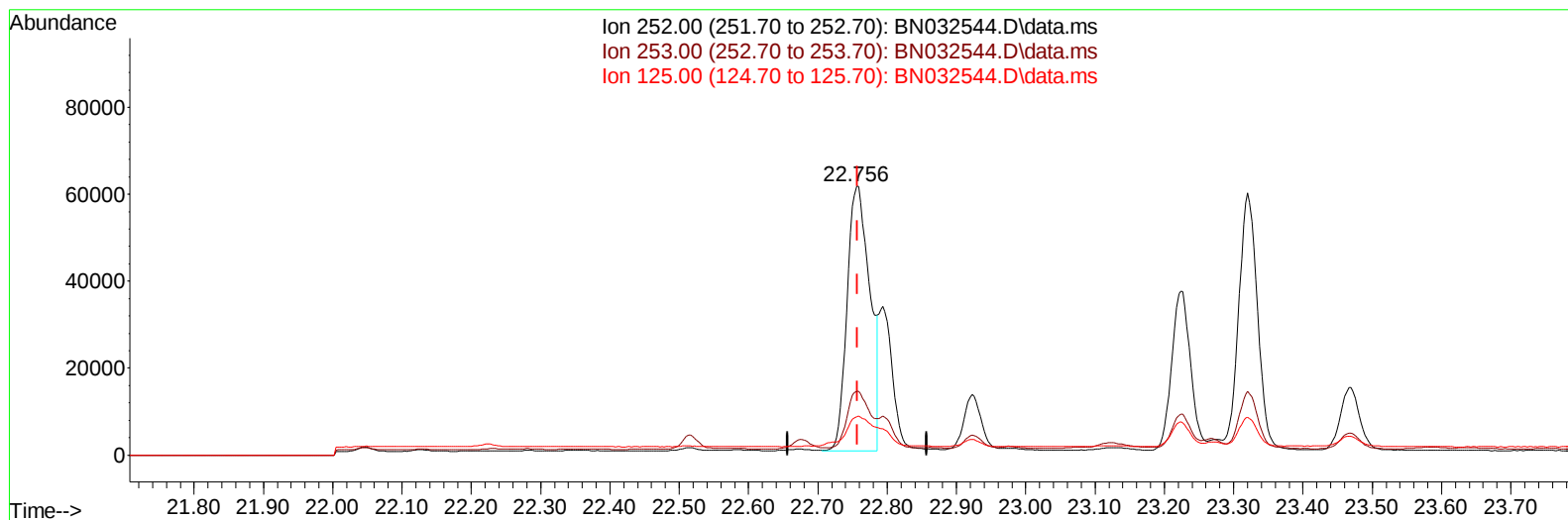
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(24) Benzo(b)fluoranthene

22.756min (-0.001) 1.53 ng/u1 m

response 138689

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.72
125.00	16.00	14.28
0.00	0.00	0.00

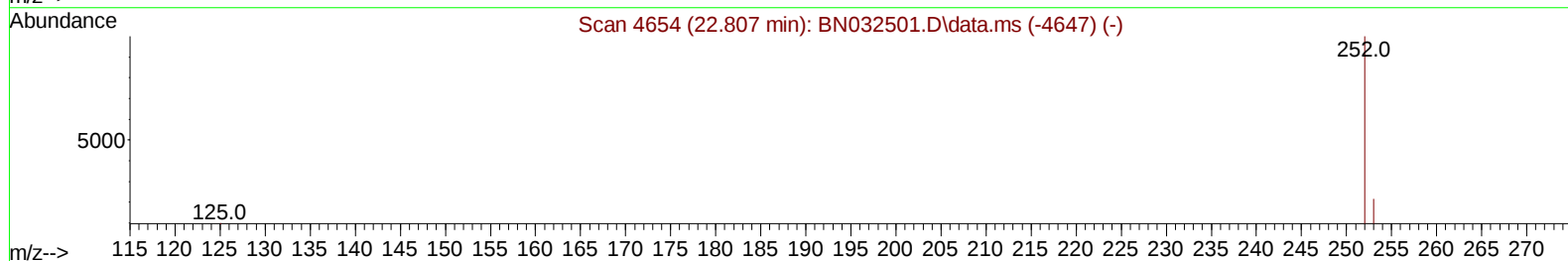
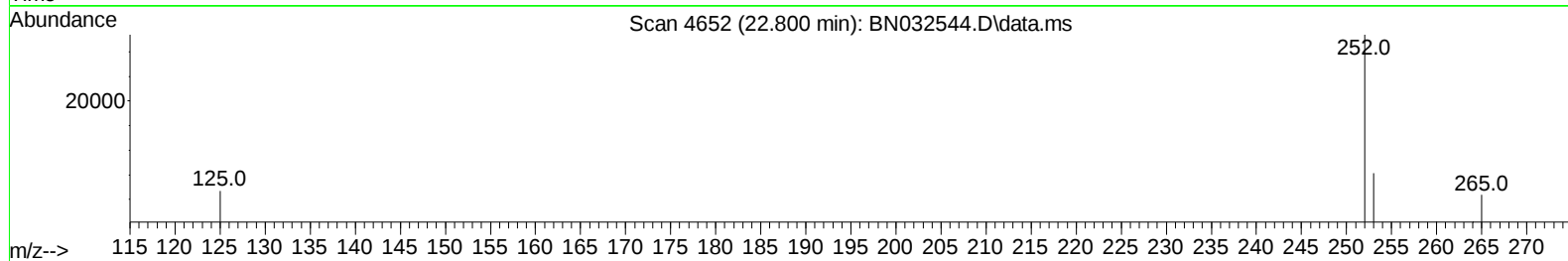
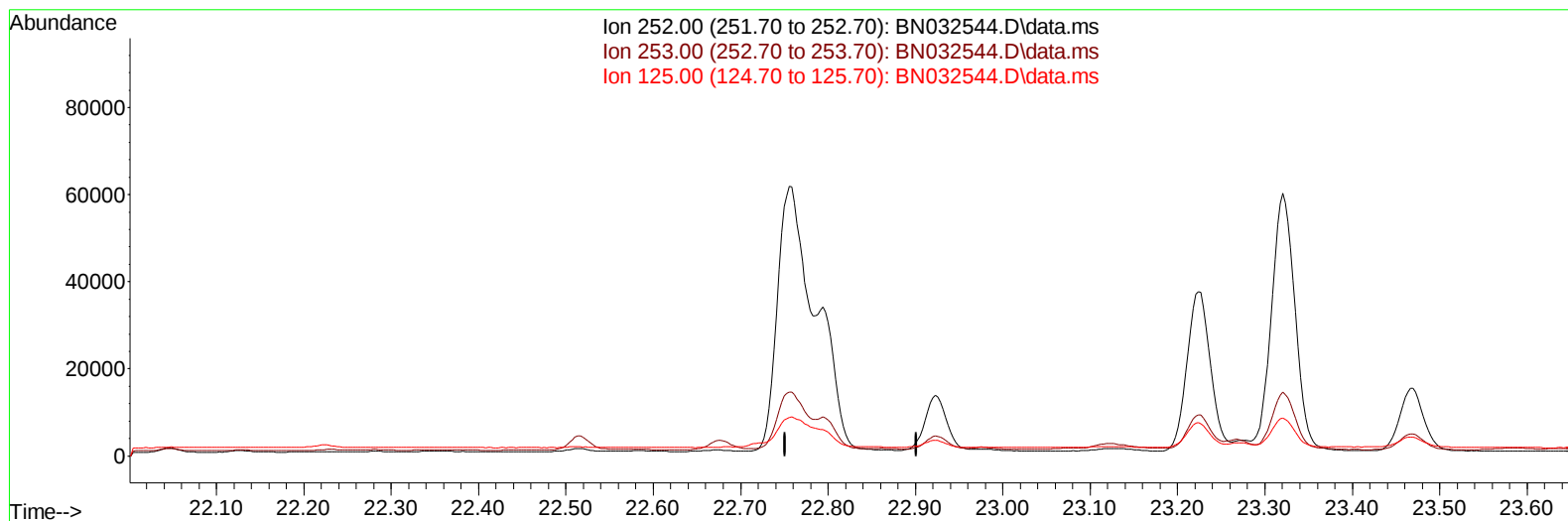
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 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

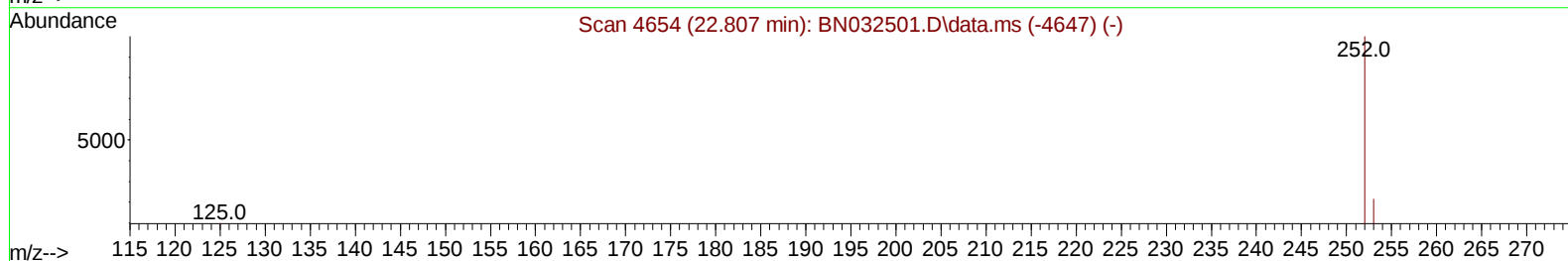
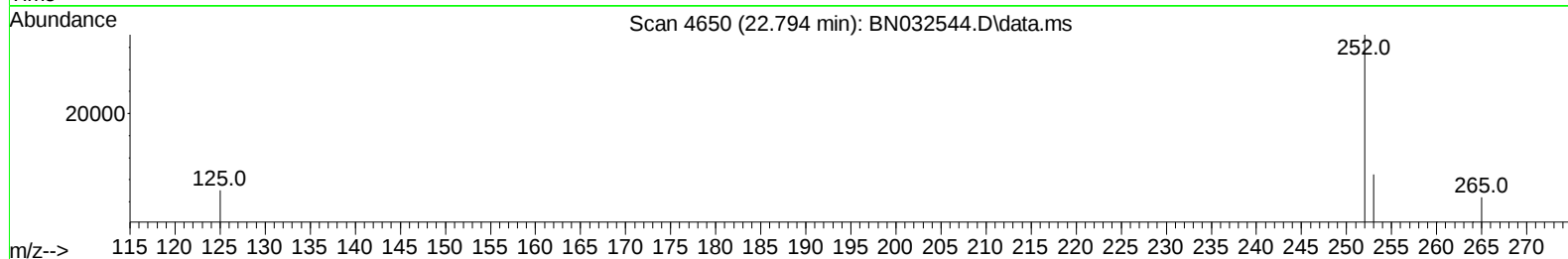
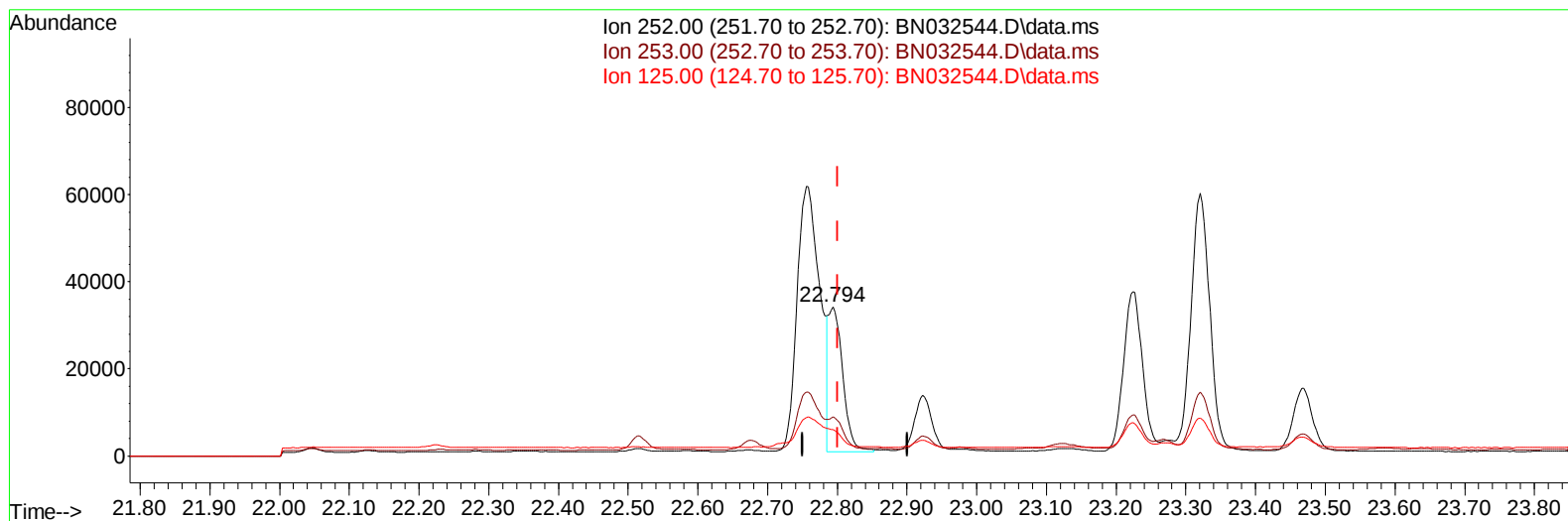
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032544.D
Acq On : 06 Jul 2024 13:37
Operator : MA/JU
Sample : P2982-09
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF5

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:29 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 : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032544.D\data.ms

(25) Benzo(k)fluoranthene

22.794min (-0.007) 0.53 ng/u1 m

response 46579

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	26.01
125.00	16.00	17.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.586	152		6184	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.358	136		17957	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.233	164		10125	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.993	188		20215m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.204	240		18726m	0.400	ng/ul	0.00
23) Perylene-d12	23.417	264		20826m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.139	96		25854	3.761	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.964	152		5458	0.203	ng/ul	-0.01
18) Fluoranthene-d10	19.030	212		11677	0.207	ng/ul	-0.02
Target Compounds							
							Qvalue
5) Naphthalene	10.408	128		1442	0.030	ng/ul#	76
10) Acenaphthylene	13.956	152		21641	0.514	ng/ul	98
11) Acenaphthene	14.298	153		1449	0.044	ng/ul#	93
12) Fluorene	15.293	166		2686	0.069	ng/ul#	95
15) Phenanthrene	17.031	178		55415m	1.000	ng/ul	
16) Anthracene	17.129	178		38201m	0.773	ng/ul	
19) Fluoranthene	19.063	202		187819	2.634	ng/ul	99
20) Pyrene	19.425	202		223671	3.002	ng/ul	98
21) Benzo(a)anthracene	21.187	228		115000	1.701	ng/ul	98
22) Chrysene	21.242	228		104564	1.410	ng/ul	97
24) Benzo(b)fluoranthene	22.756	252		138689m	1.533	ng/ul	
25) Benzo(k)fluoranthene	22.794	252		46579m	0.530	ng/ul	
26) Benzo(a)pyrene	23.320	252		111362	1.769	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.651	276		72313	0.734	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.655	278		17211	0.235	ng/ul#	77
29) Benzo(g,h,i)perylene	26.336	276		67808	0.864	ng/ul	99

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

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