

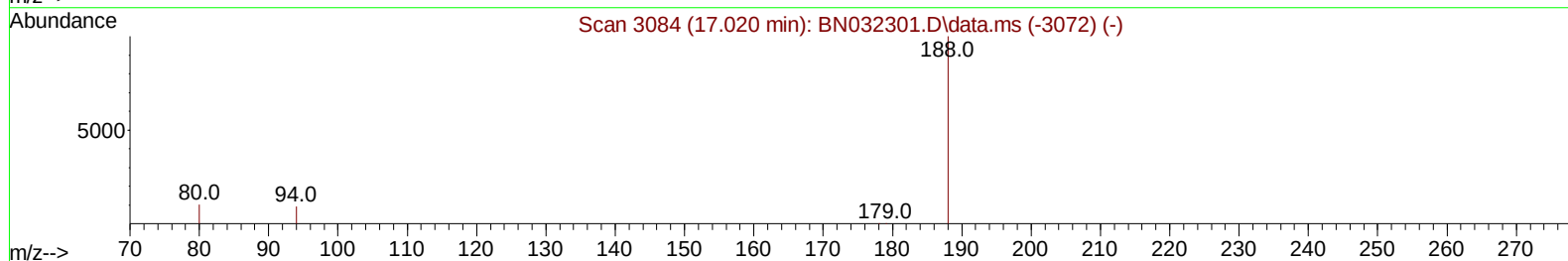
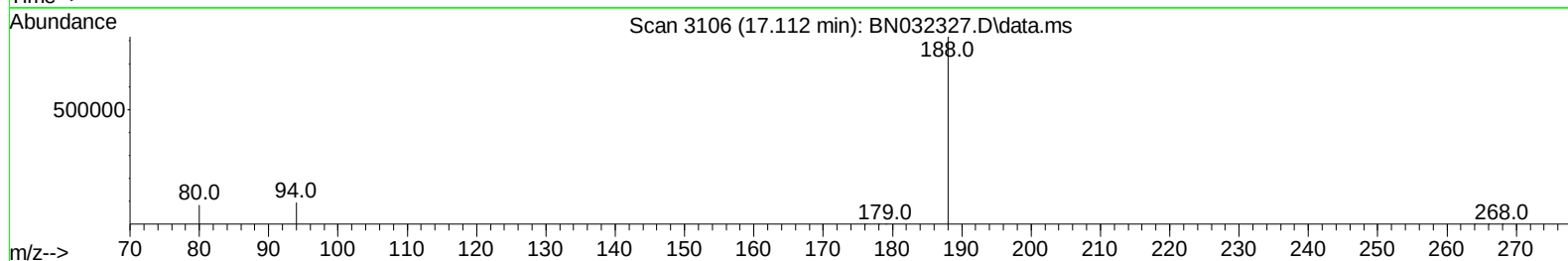
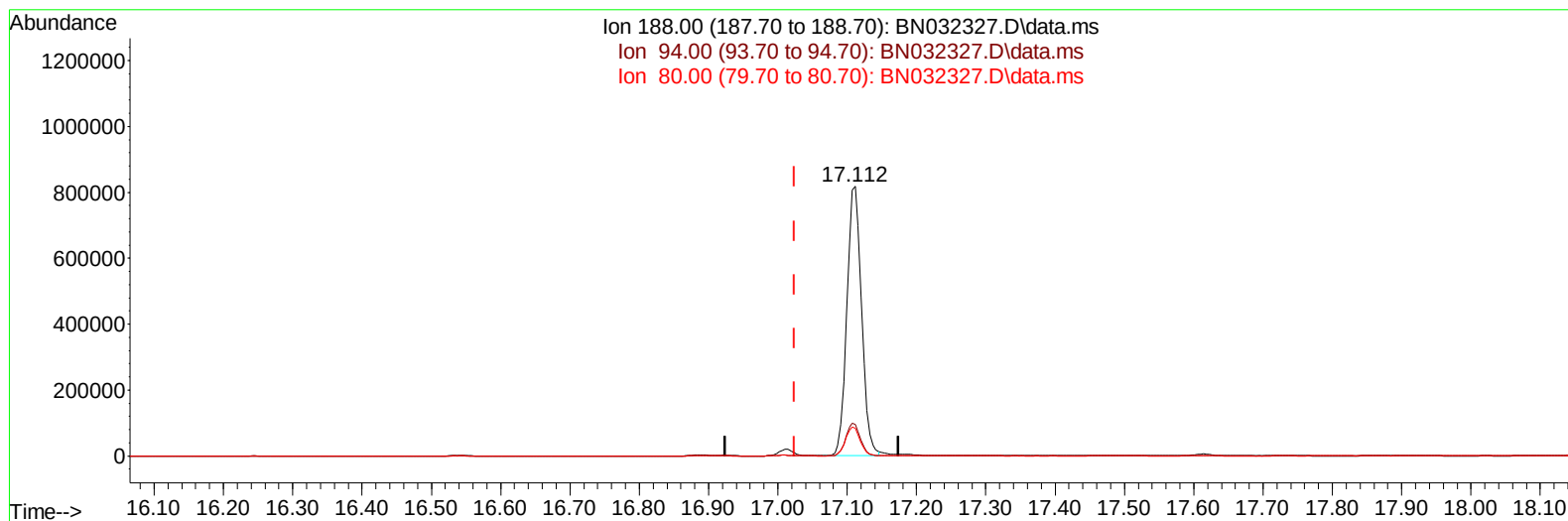
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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 :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(13) Phenanthrene-d10 (I)

17.112min (+ 0.087) 0.40 ng/u1

response 1214670

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.63
80.00	10.50	10.18
0.00	0.00	0.00

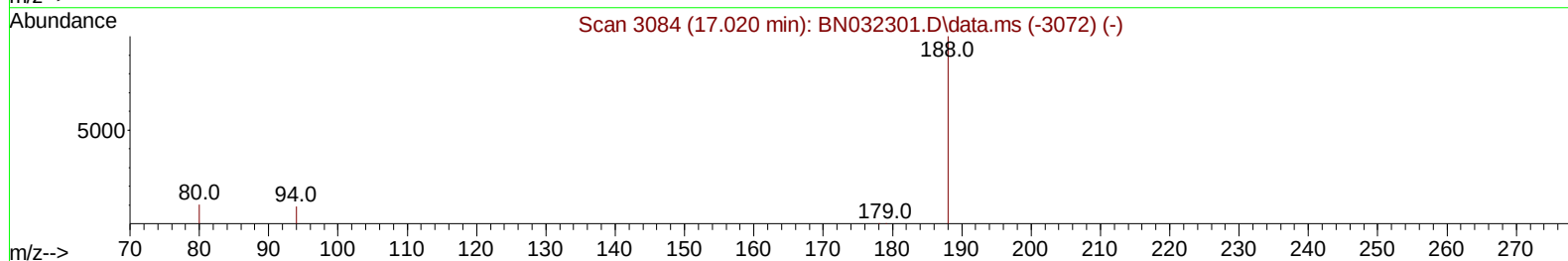
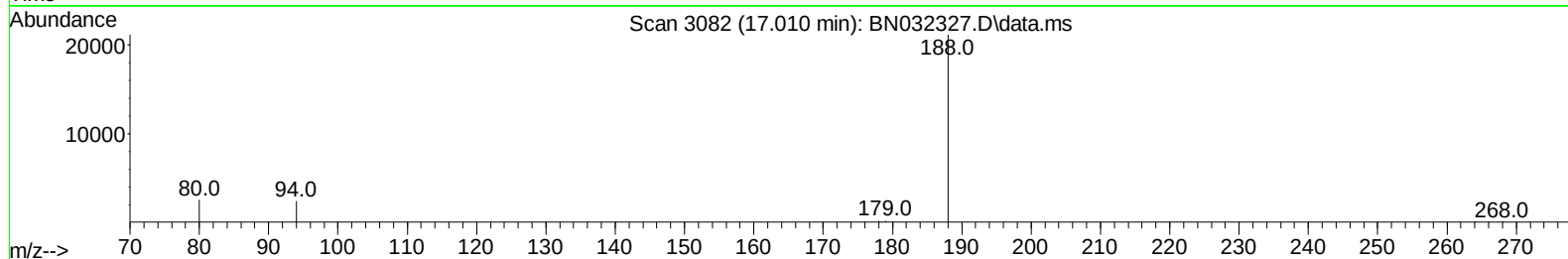
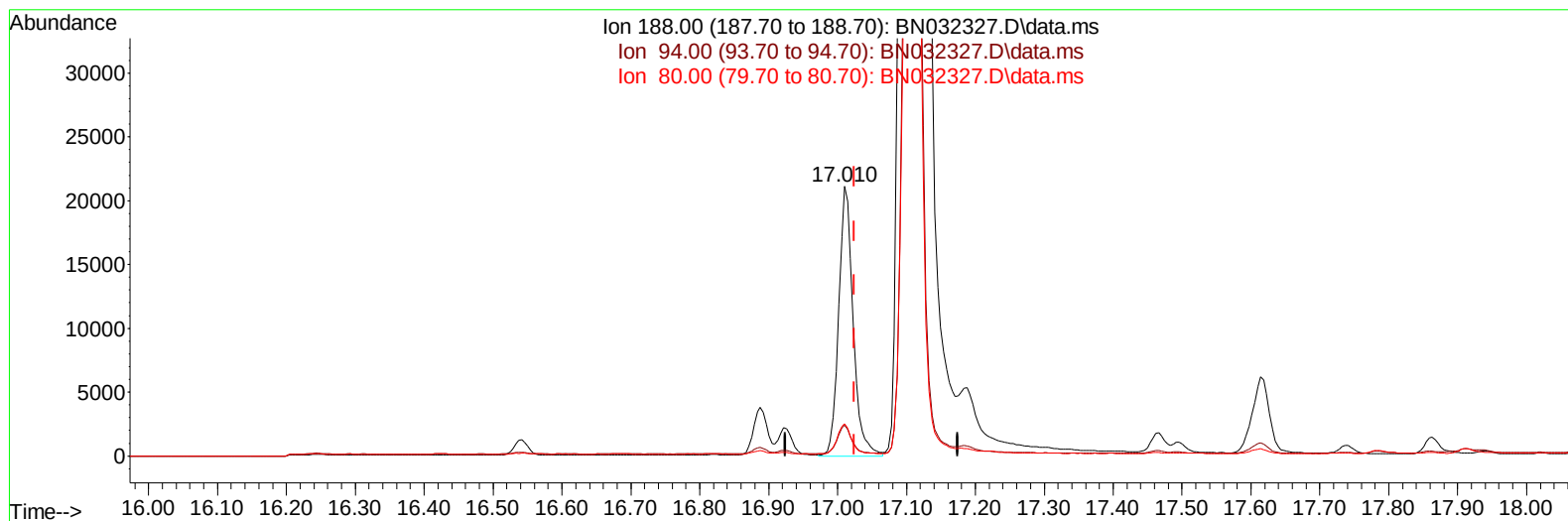
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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 :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(13) Phenanthrene-d10 (I)

17.010min (-0.014) 0.40 ng/ul m

response 30925

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.35
80.00	10.50	11.93
0.00	0.00	0.00

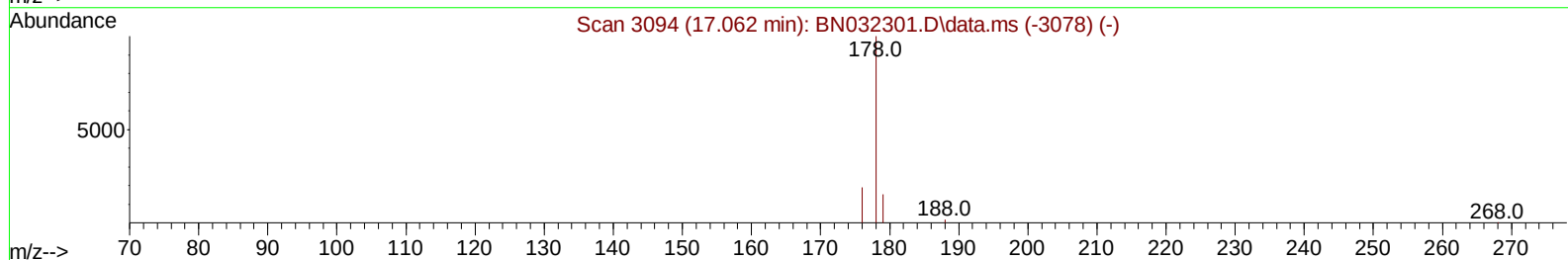
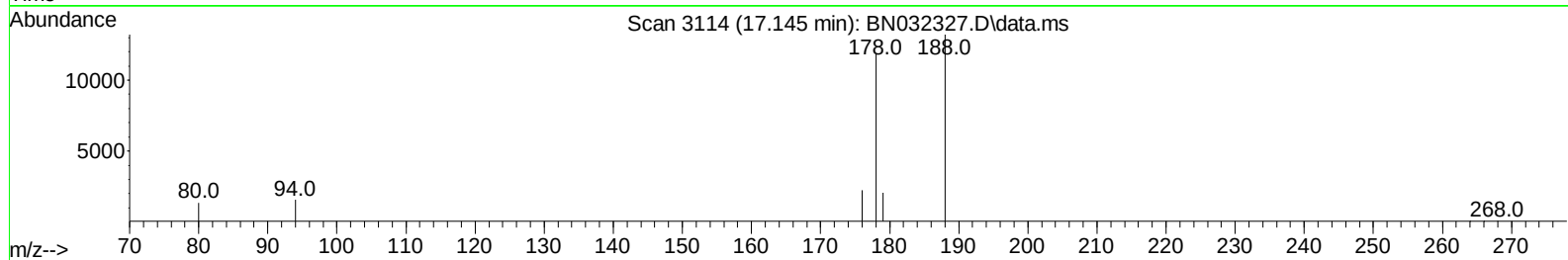
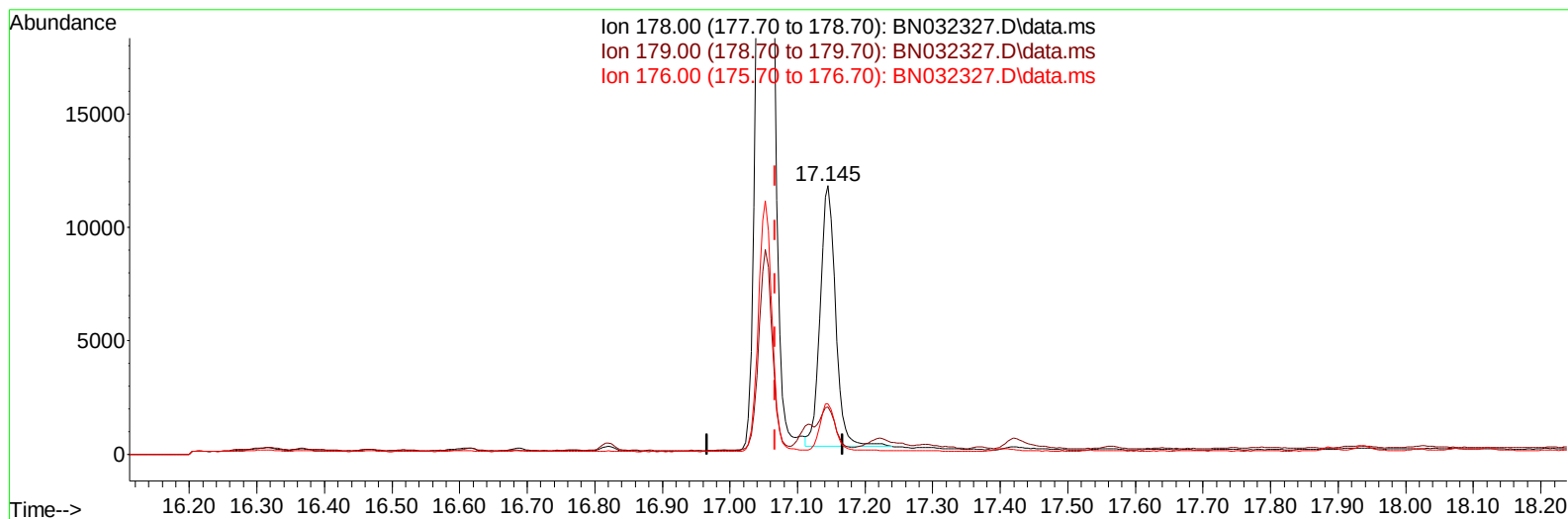
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jun 29 00:27:43 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



TIC: BN032327.D\data.ms

(15) Phenanthrene

17.145min (+ 0.079) 0.21 ng/u1

response 18003

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	17.55
176.00	19.50	18.82
0.00	0.00	0.00

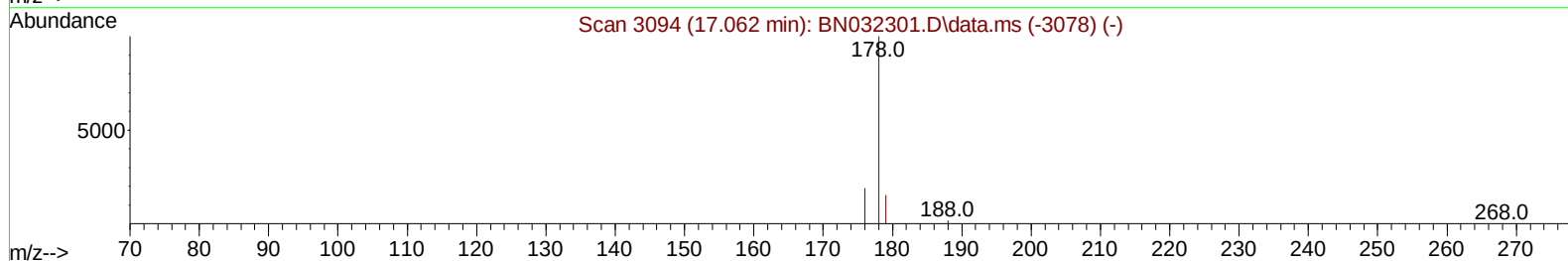
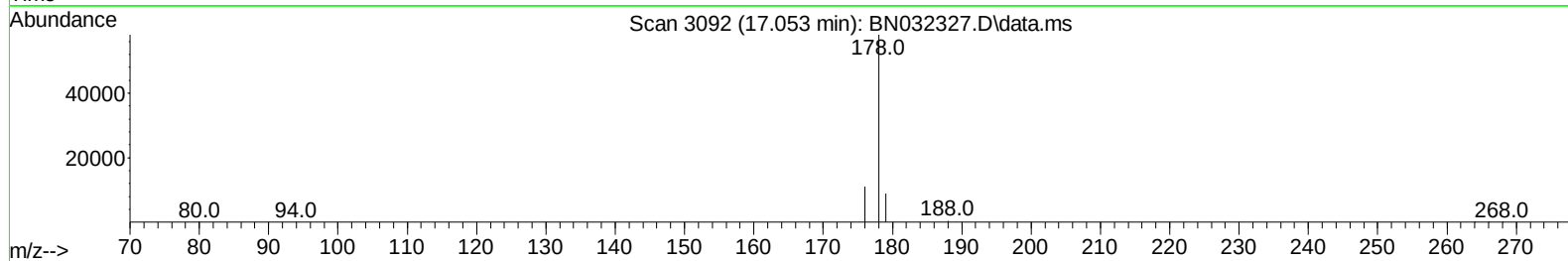
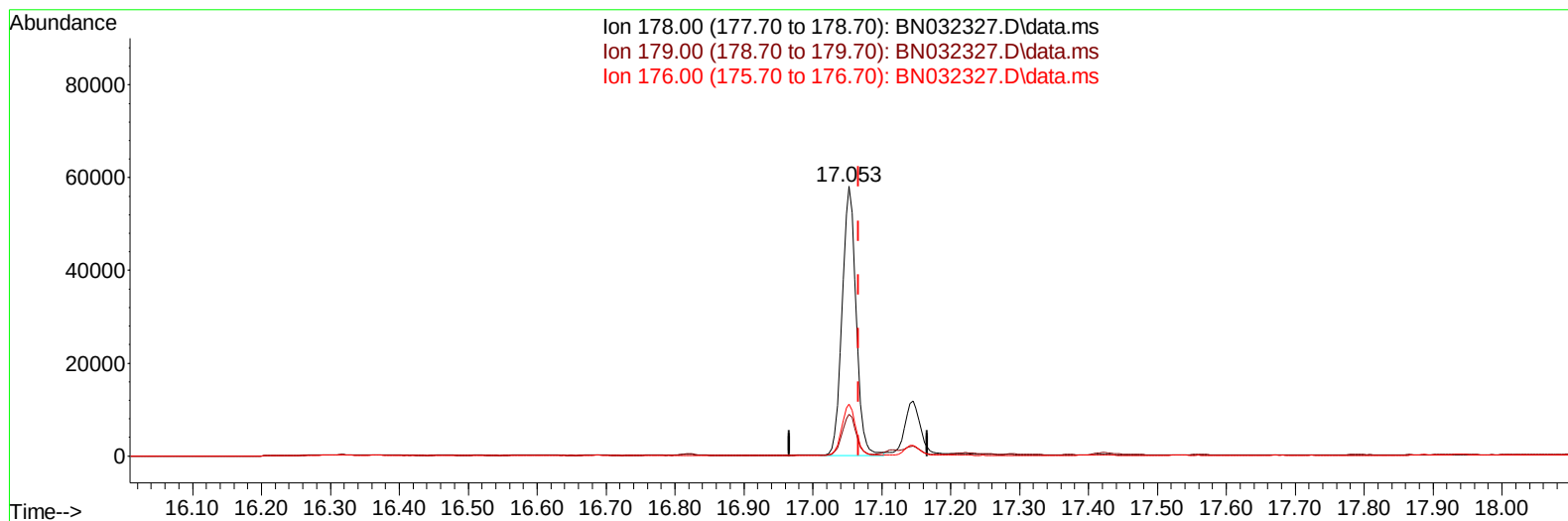
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jun 29 00:27:43 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



TIC: BN032327.D\data.ms

(15) Phenanthrene

17.053min (-0.014) 0.97 ng/ul m

response 81879

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.51
176.00	19.50	19.22
0.00	0.00	0.00

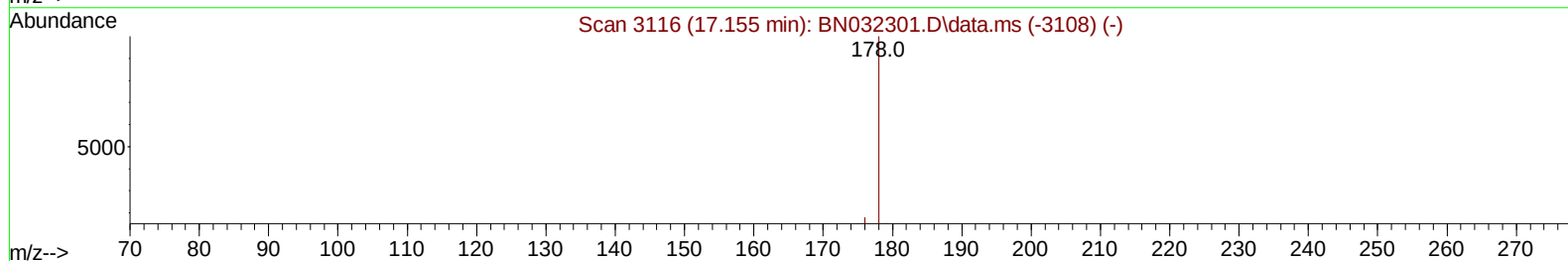
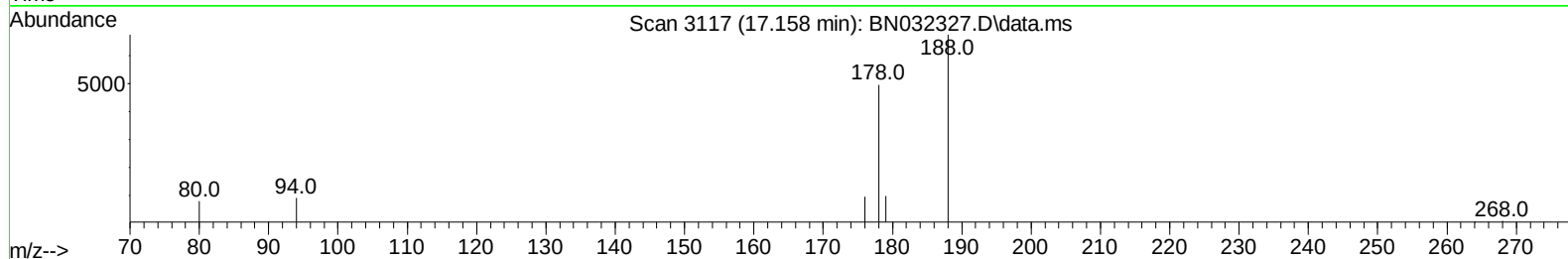
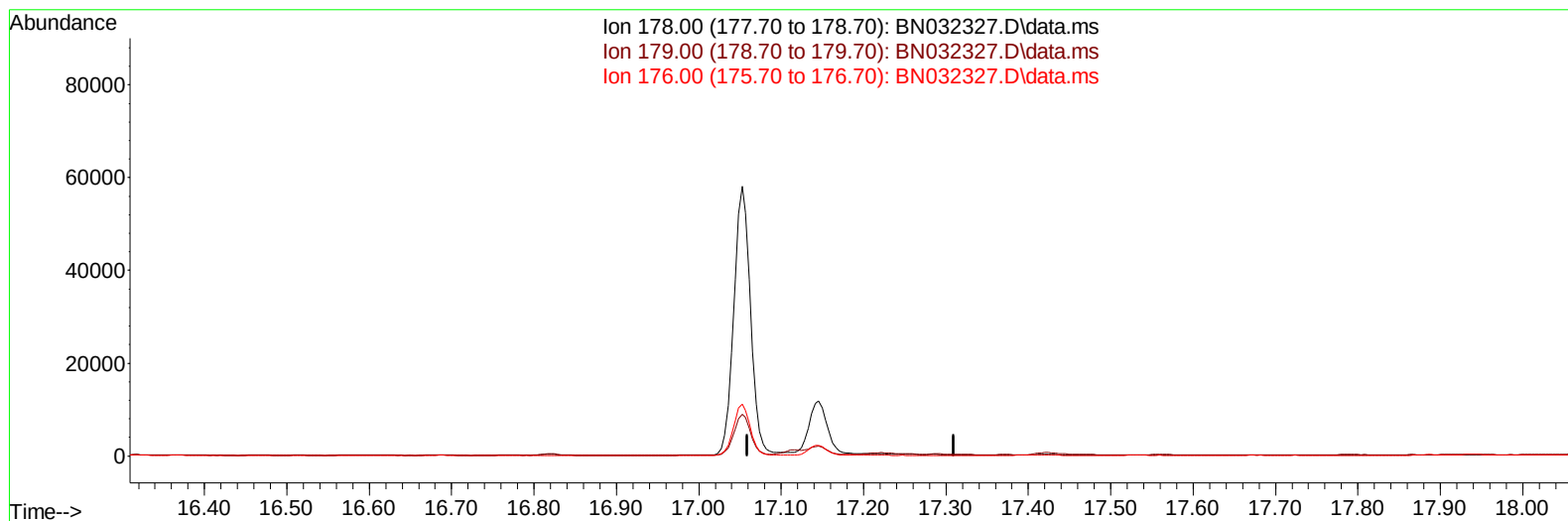
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.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

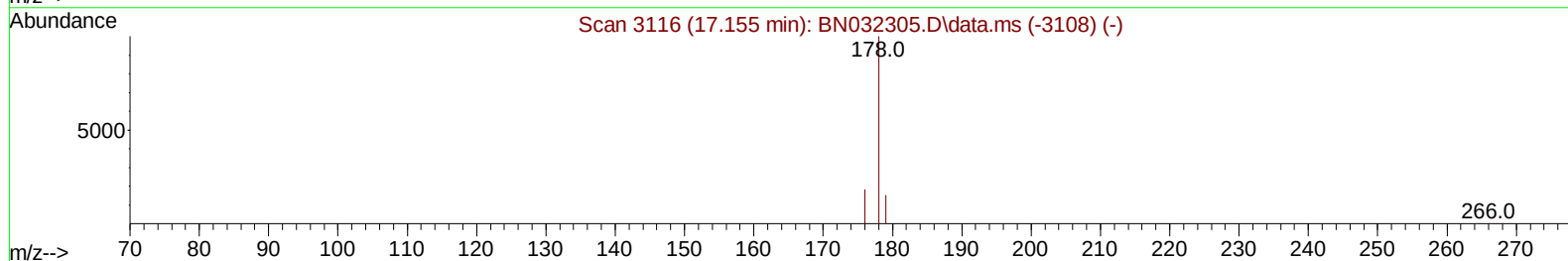
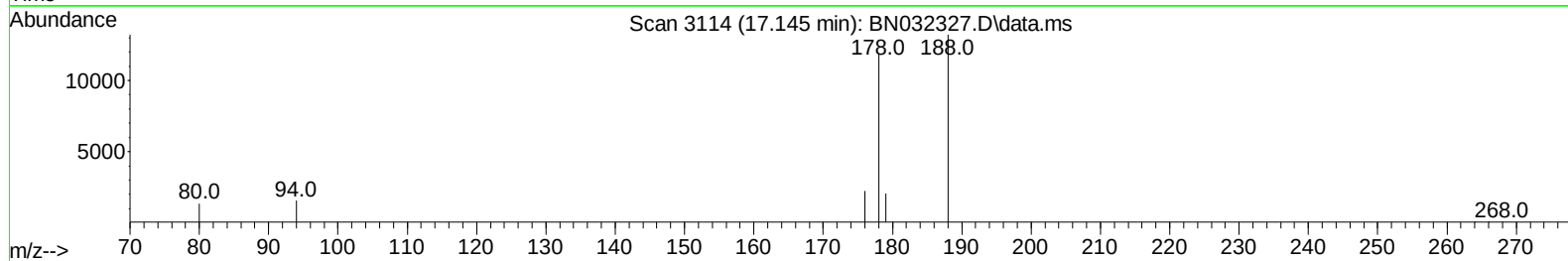
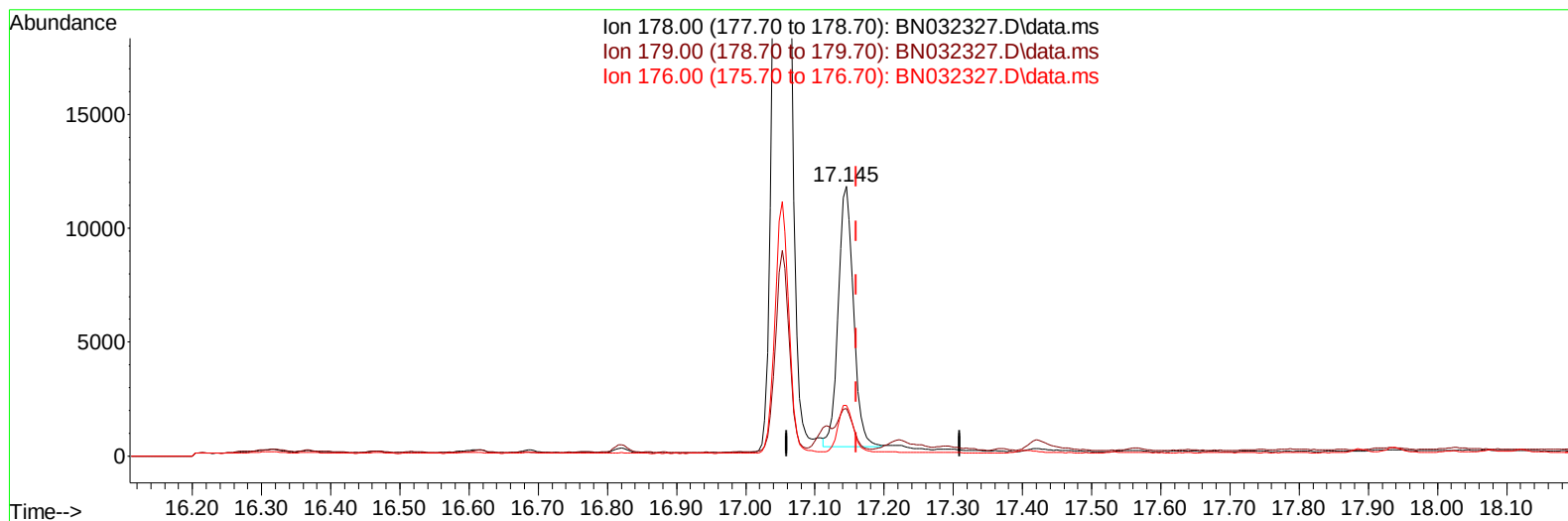
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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 :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(16) Anthracene

17.145min (-0.014) 0.23 ng/ul m

response 17481

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	17.55
176.00	18.80	18.82
0.00	0.00	0.00

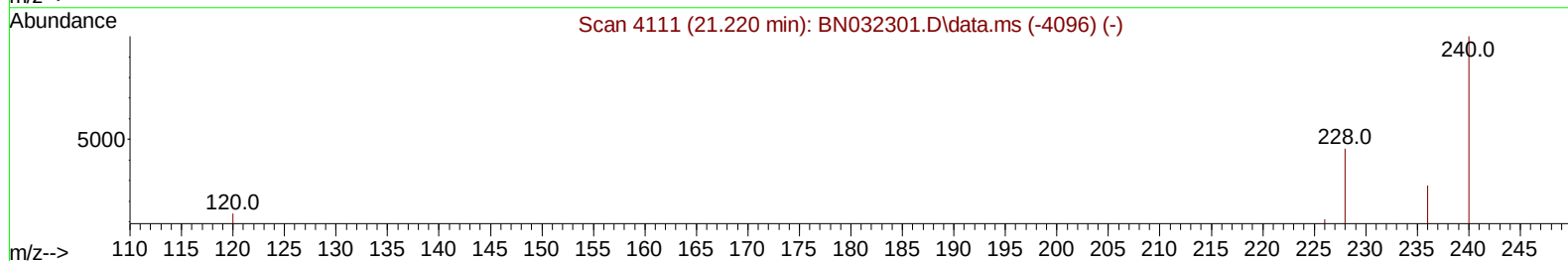
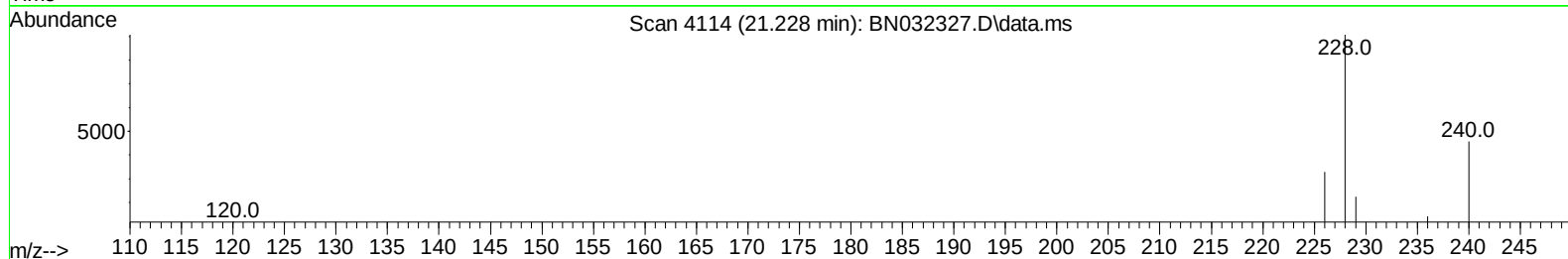
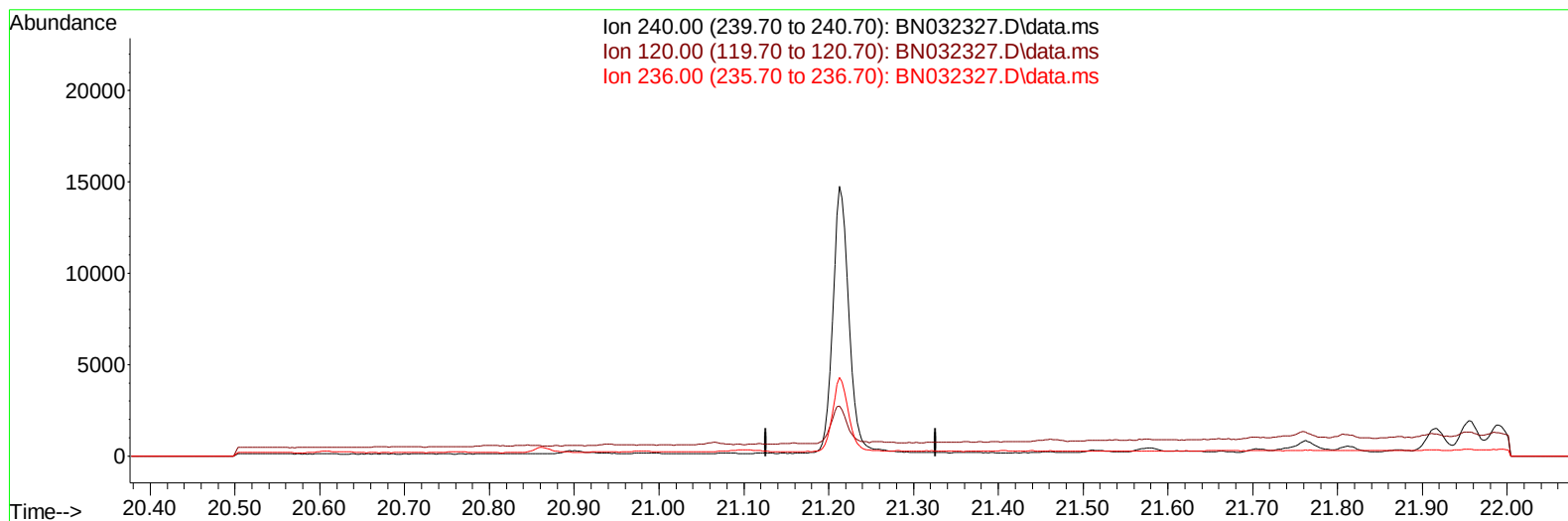
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BN032327.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

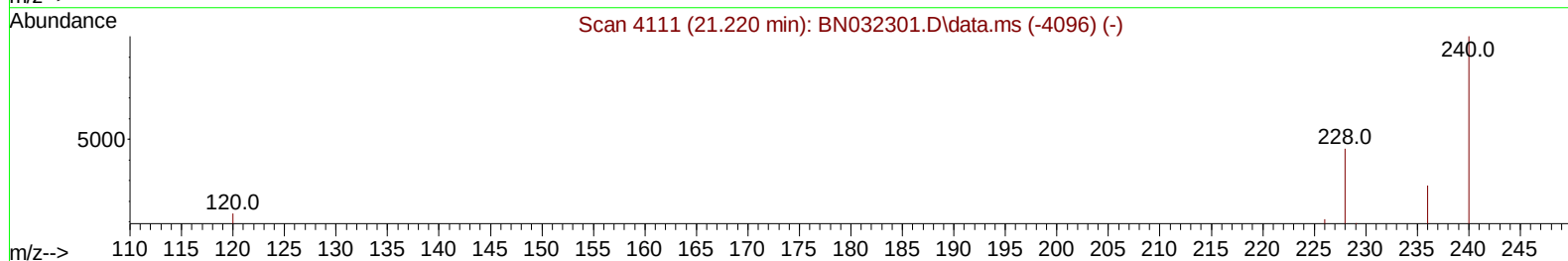
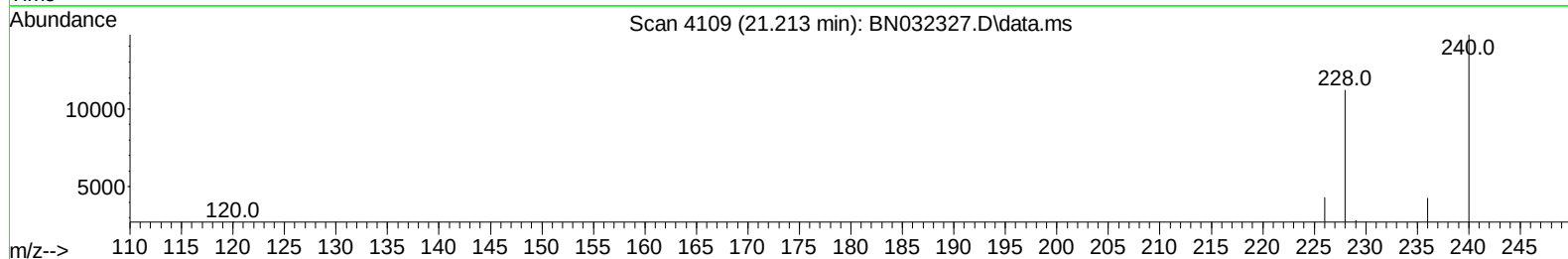
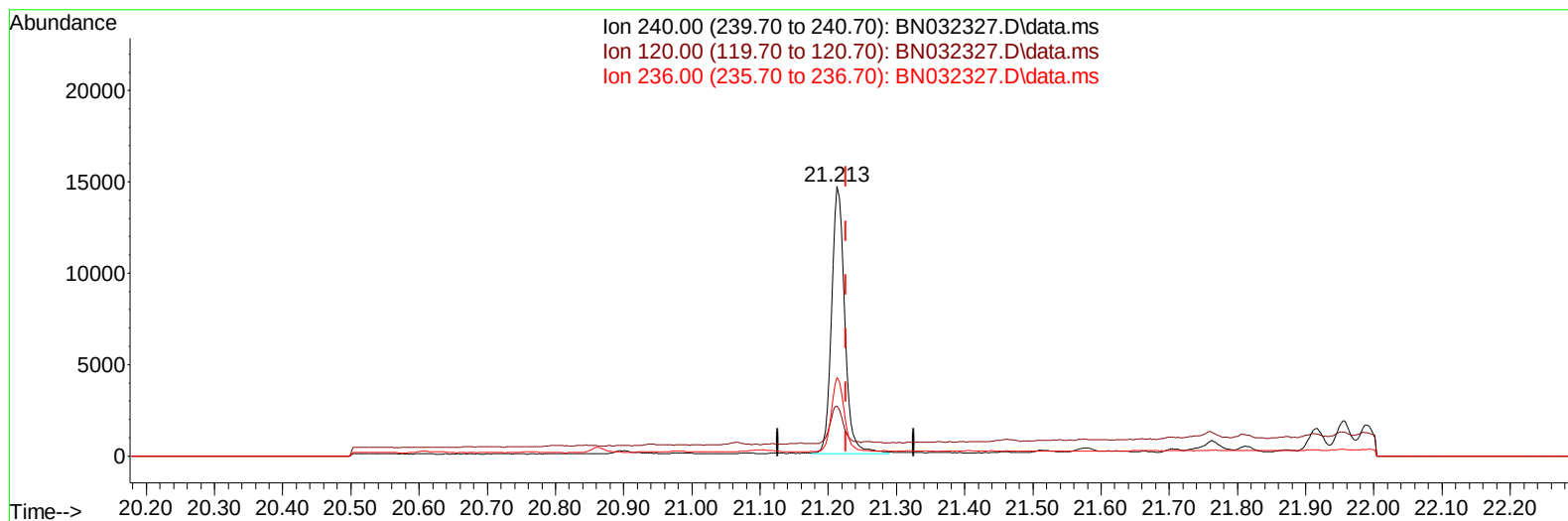
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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 :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(17) Chrysene-d12

21.213min (-0.013) 0.40 ng/ul m

response 19687

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	18.51
236.00	28.40	29.11
0.00	0.00	0.00

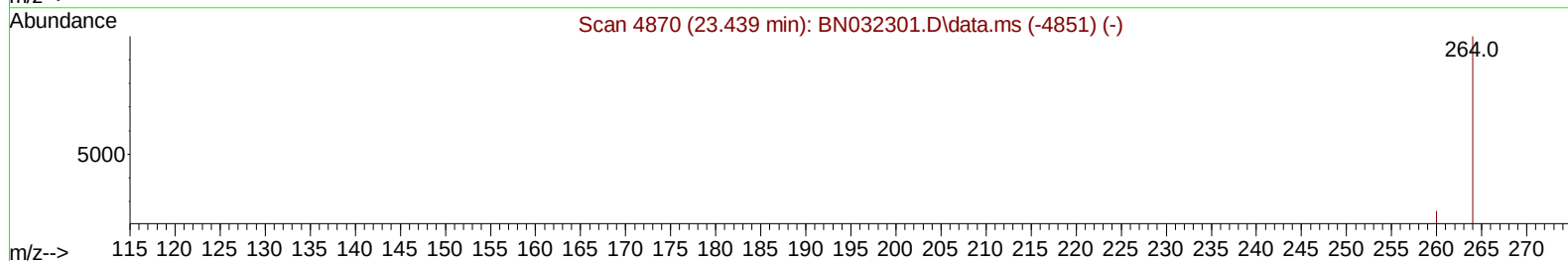
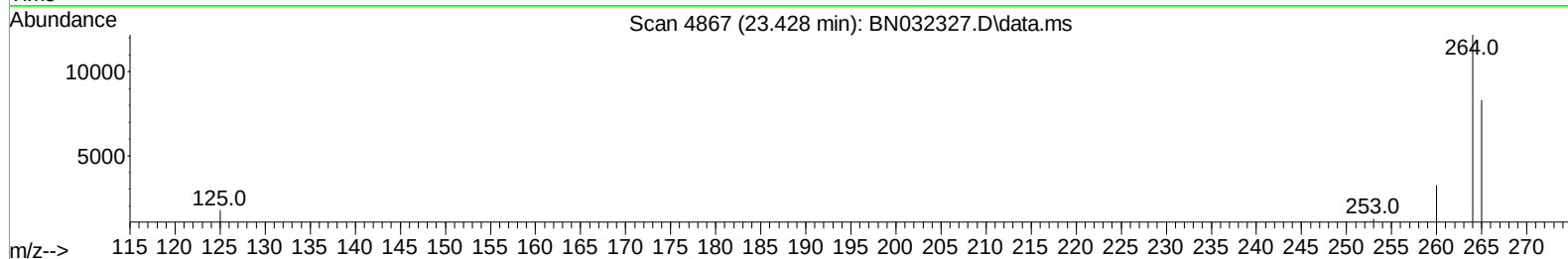
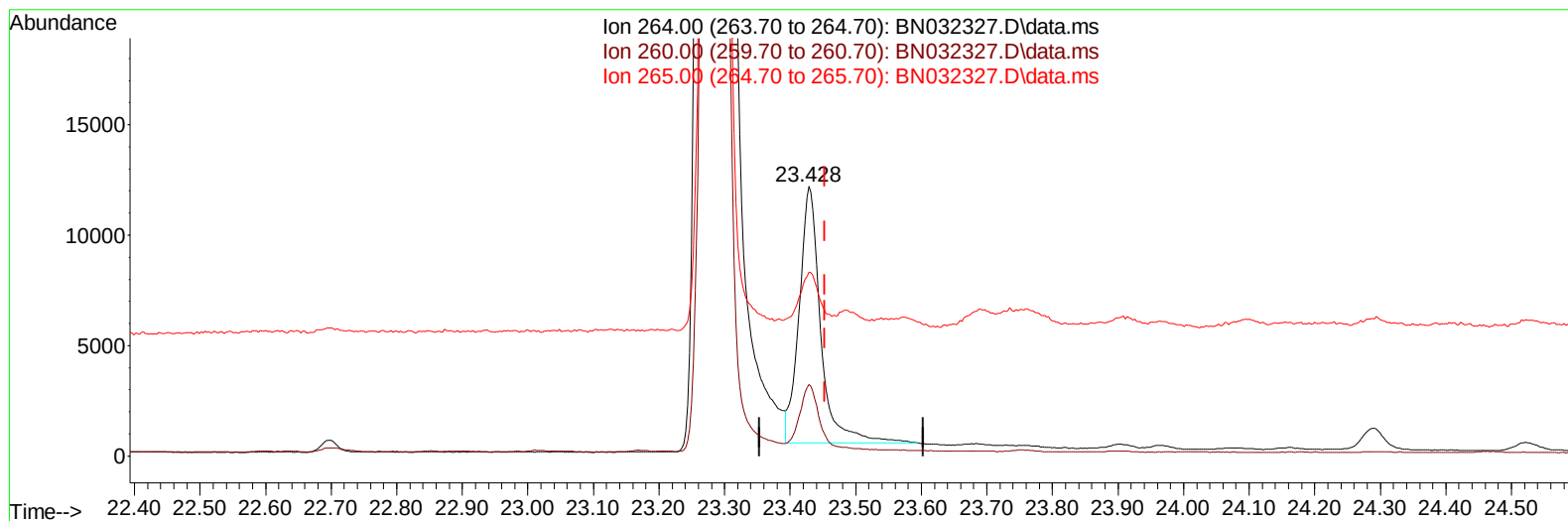
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(23) Perylene-d12 (I)

23.428min (-0.025) 0.40 ng/u1

response 26197

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.56
265.00	67.20	68.15
0.00	0.00	0.00

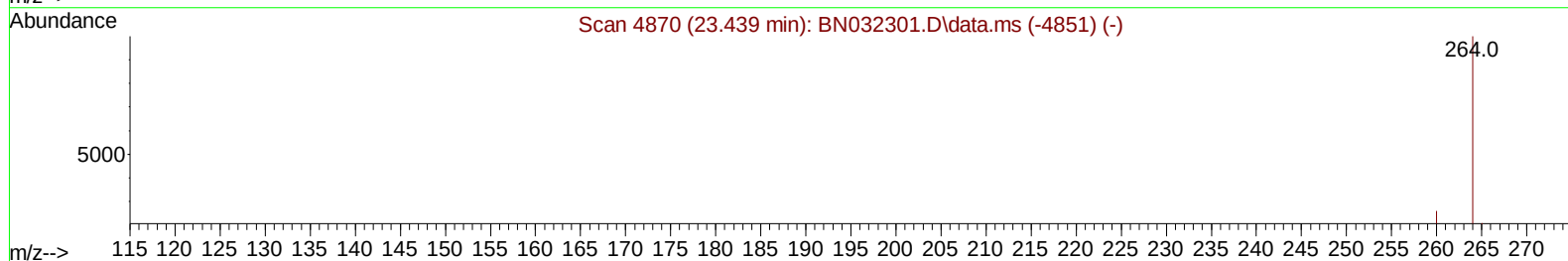
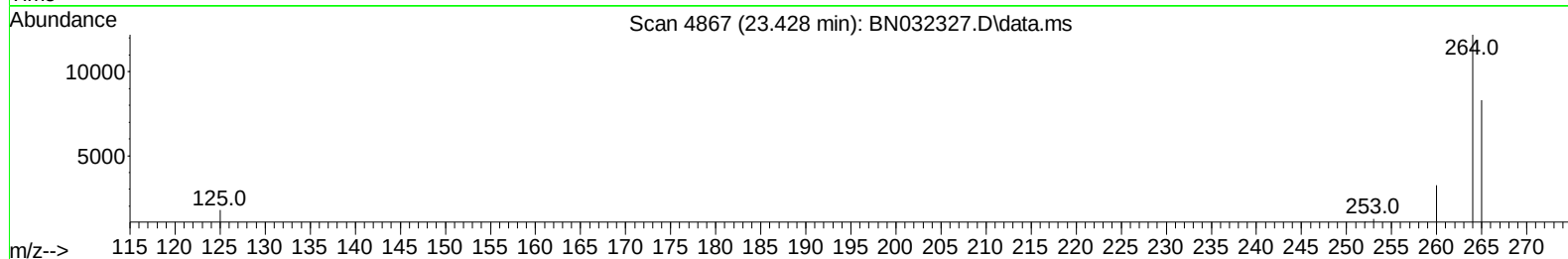
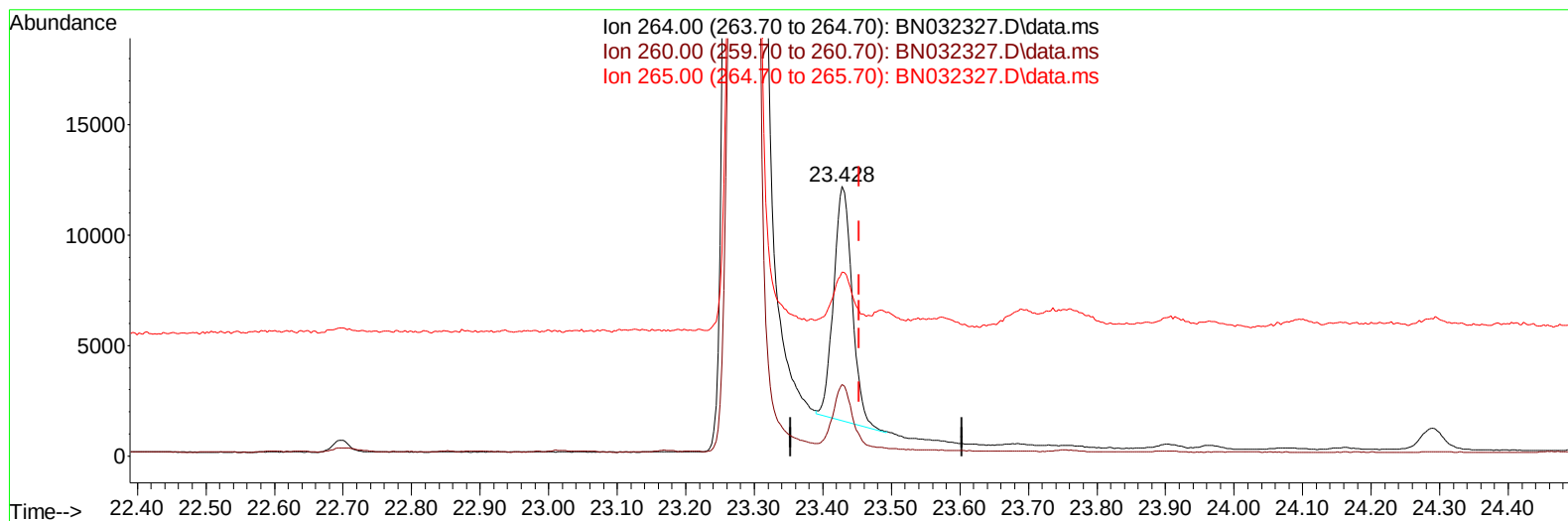
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(23) Perylene-d12 (I)

23.428min (-0.025) 0.40 ng/ul m

response 19881

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.56
265.00	67.20	68.15
0.00	0.00	0.00

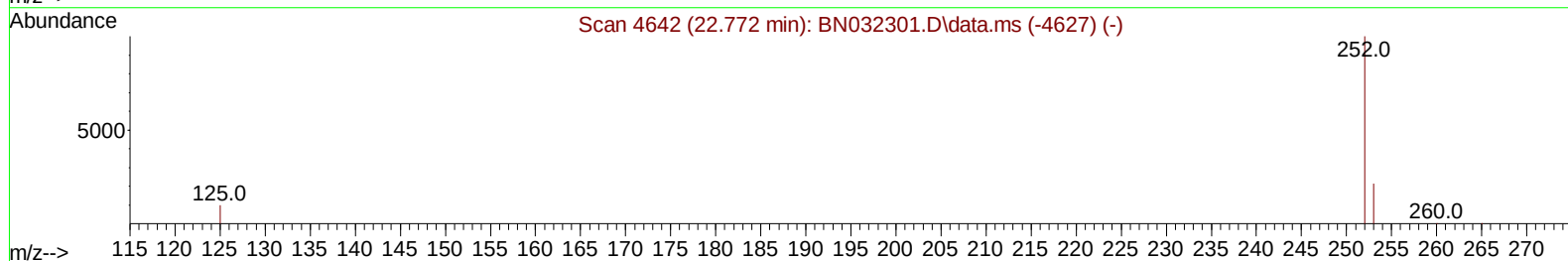
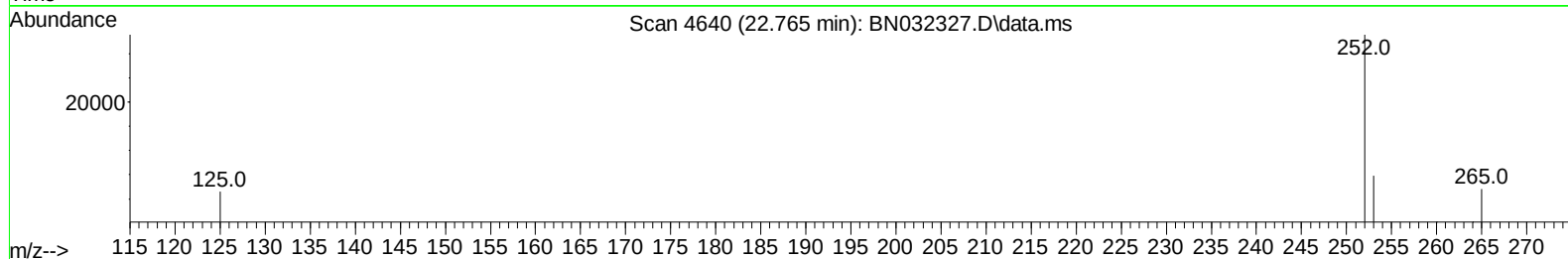
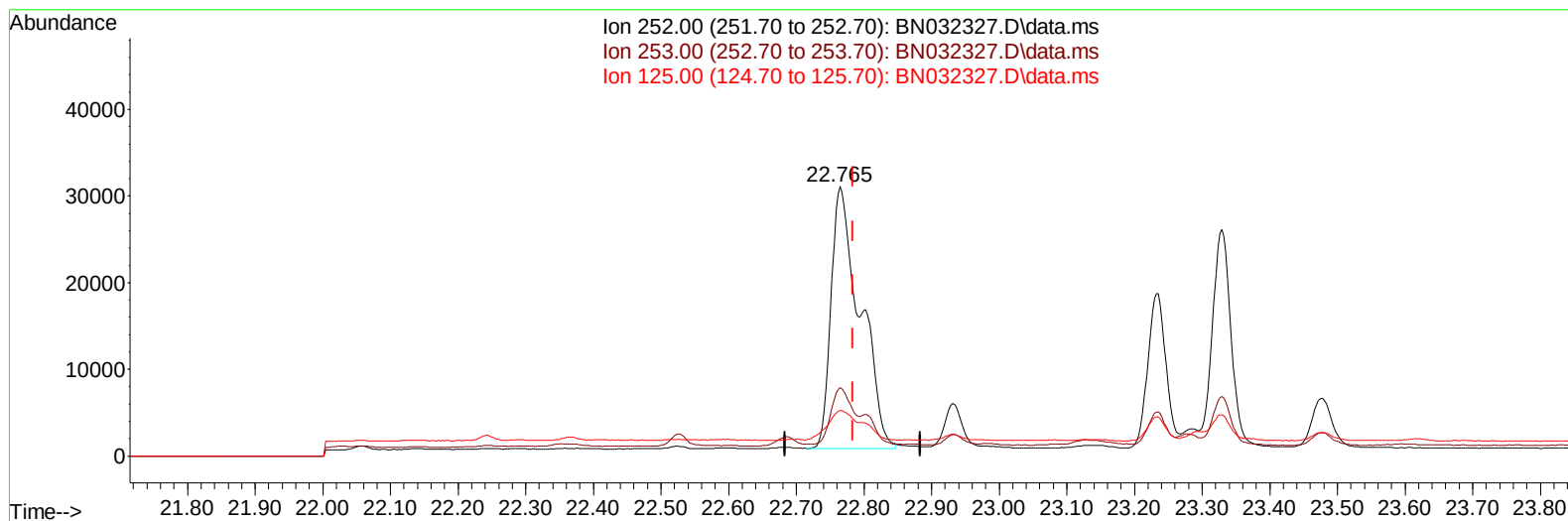
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 2024
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TIC: BN032327.D\data.ms

(24) Benzo(b)fluoranthene

22.765min (-0.019) 1.04 ng/u1

response 90099

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	25.34
125.00	16.00	16.78
0.00	0.00	0.00

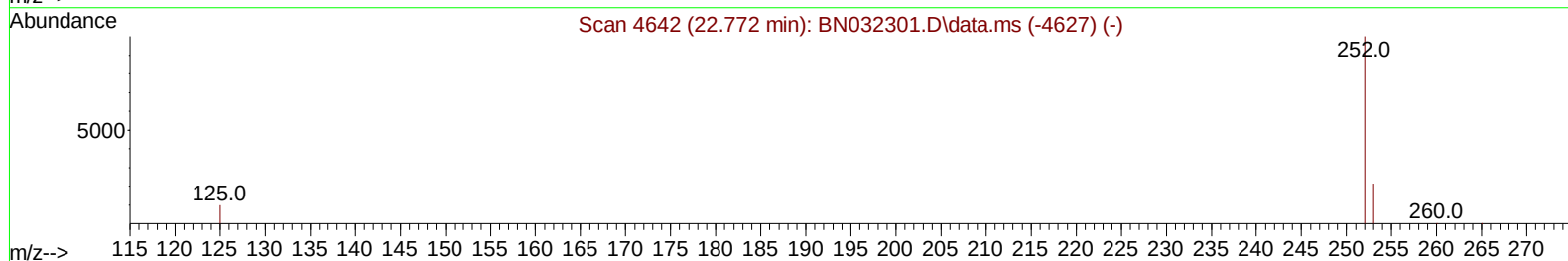
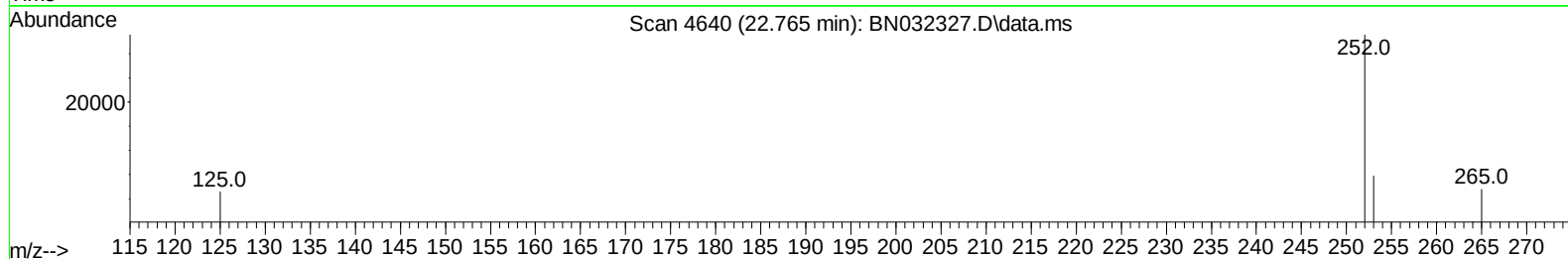
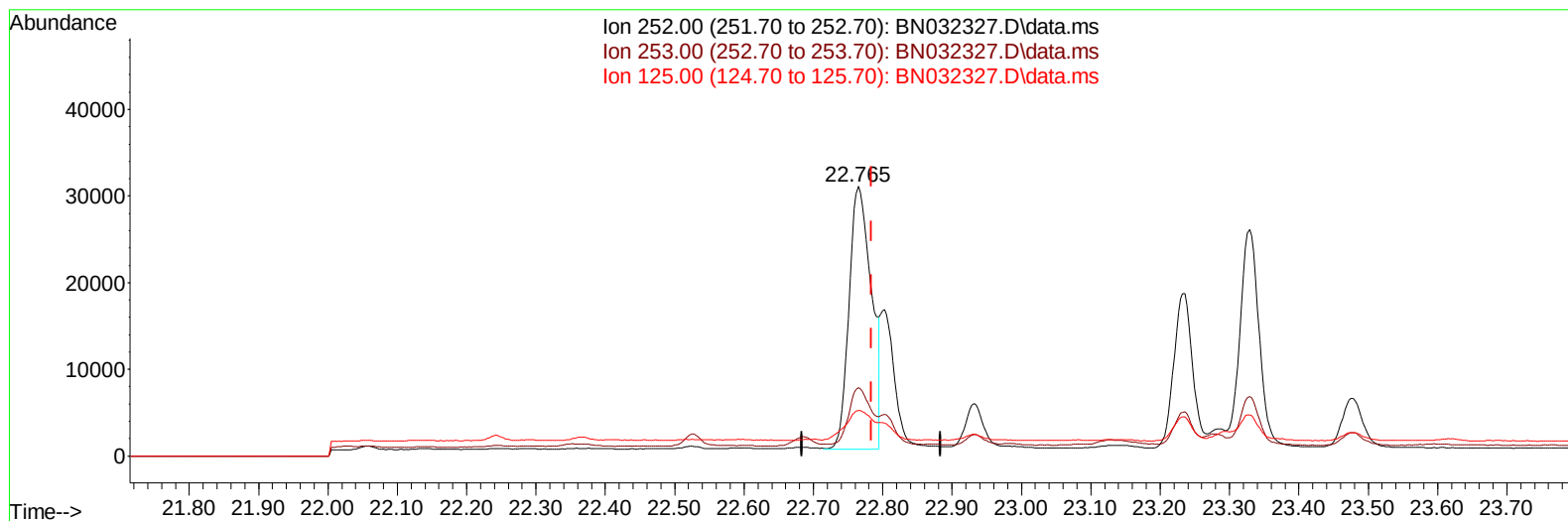
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Quant Time: Jun 29 00:27:43 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 :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.D\data.ms

(24) Benzo(b)fluoranthene

22.765min (-0.019) 0.79 ng/ul m

response 67969

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	25.34
125.00	16.00	16.78
0.00	0.00	0.00

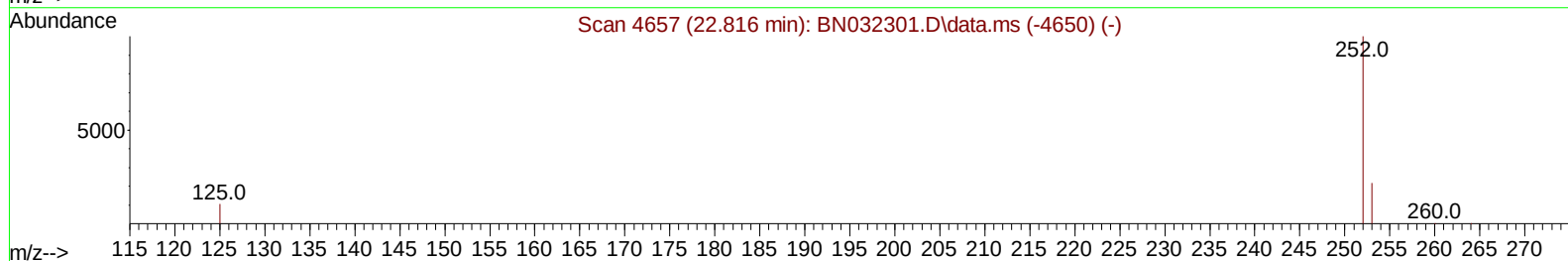
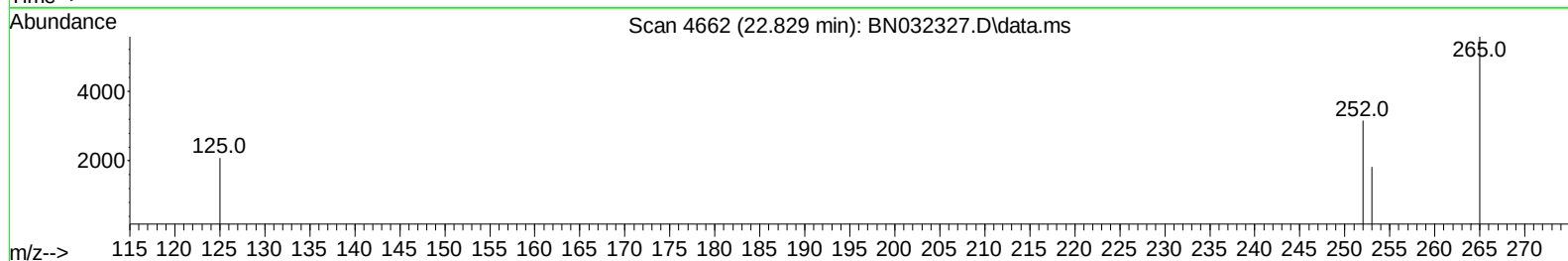
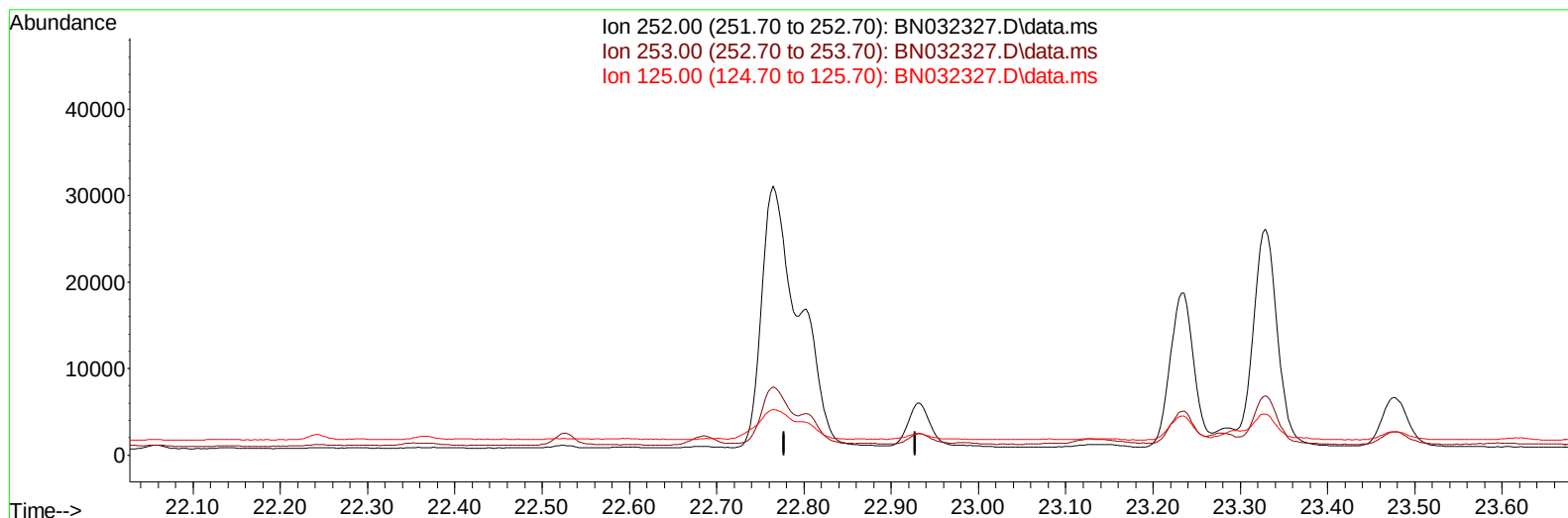
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032327.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

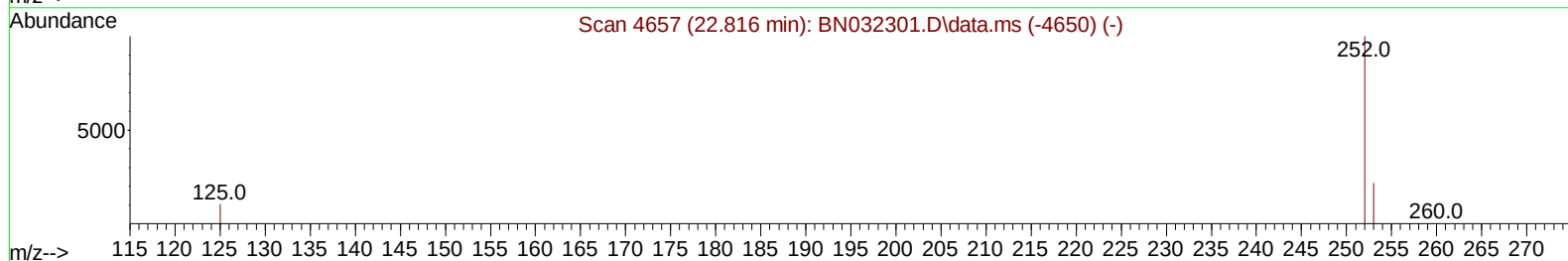
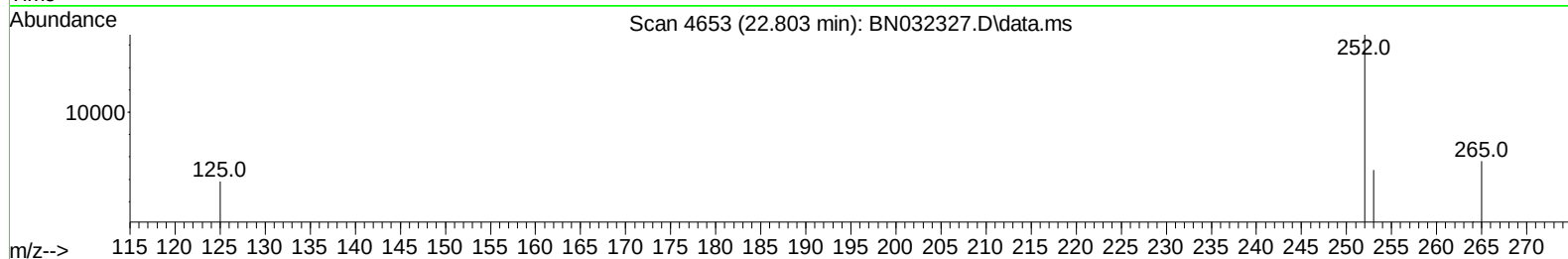
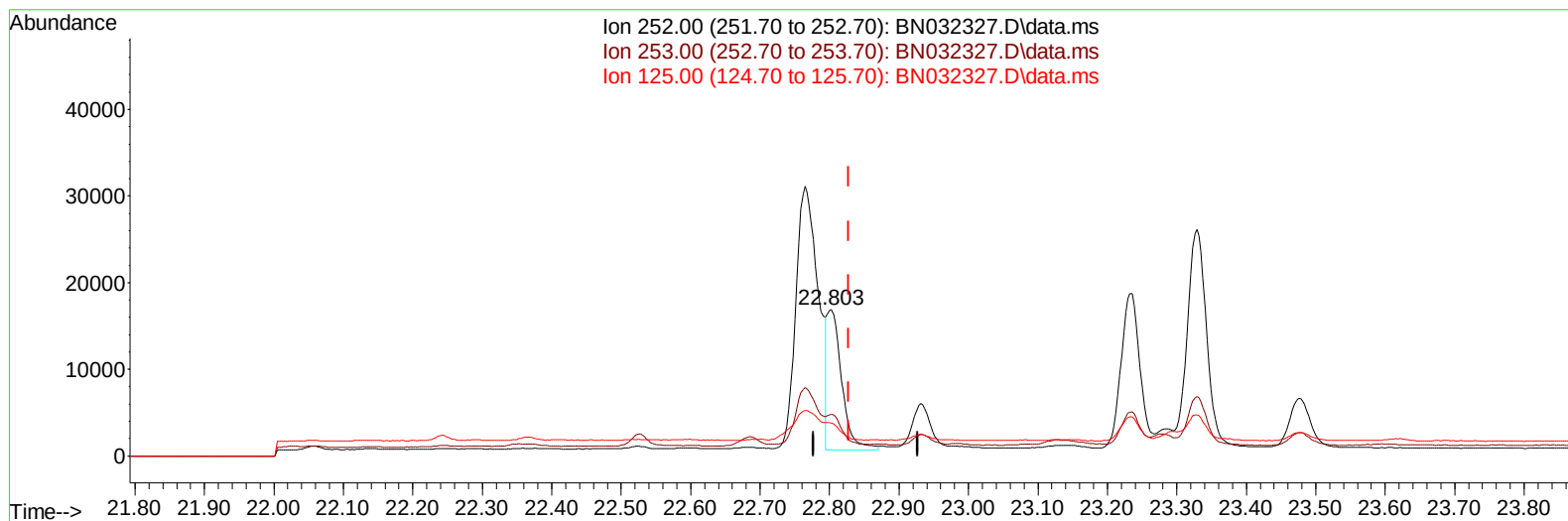
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
Data File : BN032327.D
Acq On : 28 Jun 2024 23:40
Operator : MA/JU
Sample : P2934-20
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B56

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jun 29 00:27:43 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



TIC: BN032327.D\data.ms

(25) Benzo(k)fluoranthene

22.803min (-0.025) 0.29 ng/ul m

response 23965

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	28.56
125.00	16.00	22.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062824\
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.612	152		9047	0.400	ng/ul	0.00
4) Naphthalene-d8	10.386	136		29020	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.256	164		16593	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.010	188		30925m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.213	240		19687m	0.400	ng/ul	-0.01
23) Perylene-d12	23.428	264		19881m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.147	96		26510	2.636	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.986	152		8327	0.191	ng/ul	-0.01
18) Fluoranthene-d10	19.049	212		14237	0.240	ng/ul	-0.01
Target Compounds							
						Qvalue	
5) Naphthalene	10.435	128		2602	0.034	ng/ul#	89
10) Acenaphthylene	13.979	152		5301	0.077	ng/ul#	94
11) Acenaphthene	14.321	153		2735	0.051	ng/ul	96
12) Fluorene	15.316	166		4367	0.068	ng/ul#	98
15) Phenanthrene	17.053	178		81879m	0.966	ng/ul	
16) Anthracene	17.145	178		17481m	0.231	ng/ul	
19) Fluoranthene	19.076	202		123507	1.647	ng/ul	98
20) Pyrene	19.439	202		110464	1.410	ng/ul	99
21) Benzo(a)anthracene	21.198	228		53209	0.749	ng/ul	97
22) Chrysene	21.248	228		48246	0.619	ng/ul	97
24) Benzo(b)fluoranthene	22.765	252		67969m	0.787	ng/ul	
25) Benzo(k)fluoranthene	22.803	252		23965m	0.286	ng/ul	
26) Benzo(a)pyrene	23.329	252		48389	0.805	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.658	276		34259	0.364	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.665	278		8117	0.116	ng/ul#	73
29) Benzo(g,h,i)perylene	26.349	276		33486	0.447	ng/ul	98

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

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