

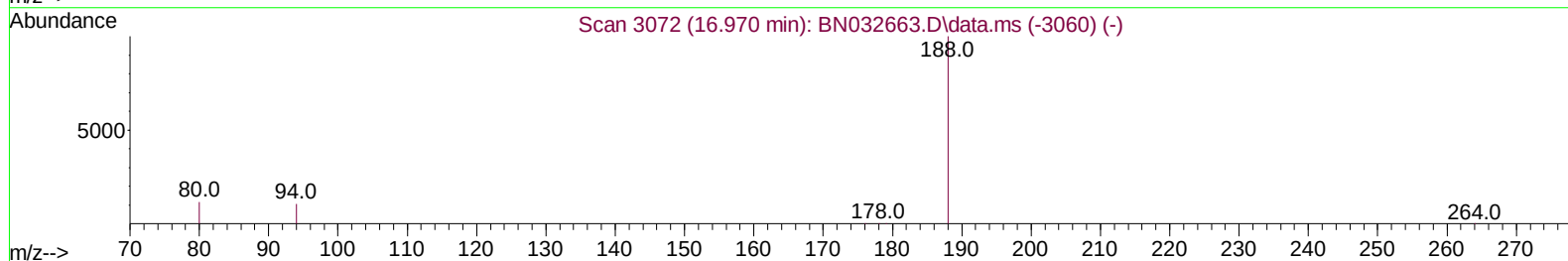
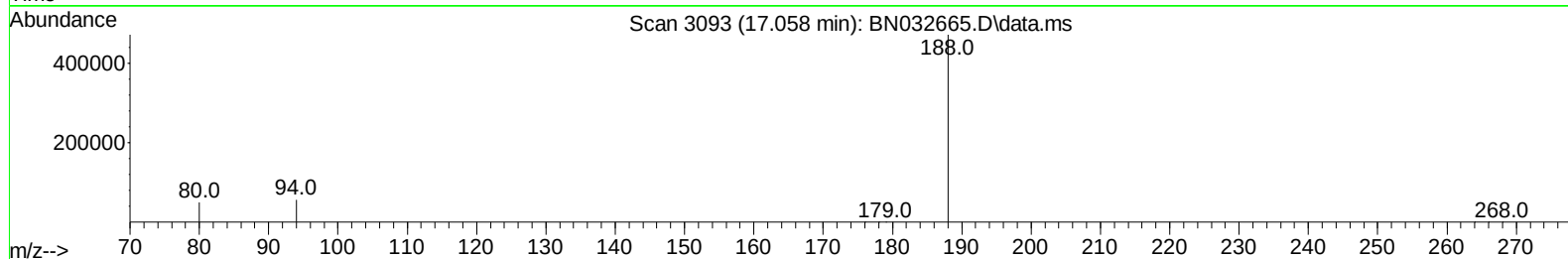
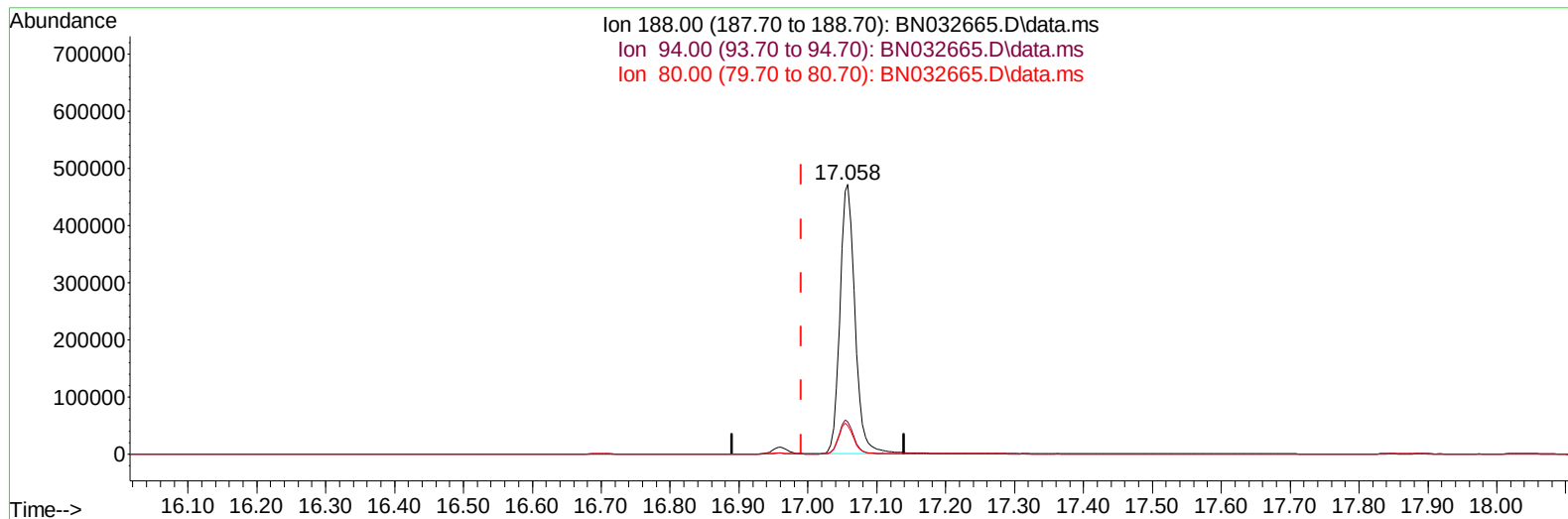
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.068) 0.40 ng/u1

response 709039

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.90
80.00	12.00	10.63
0.00	0.00	0.00

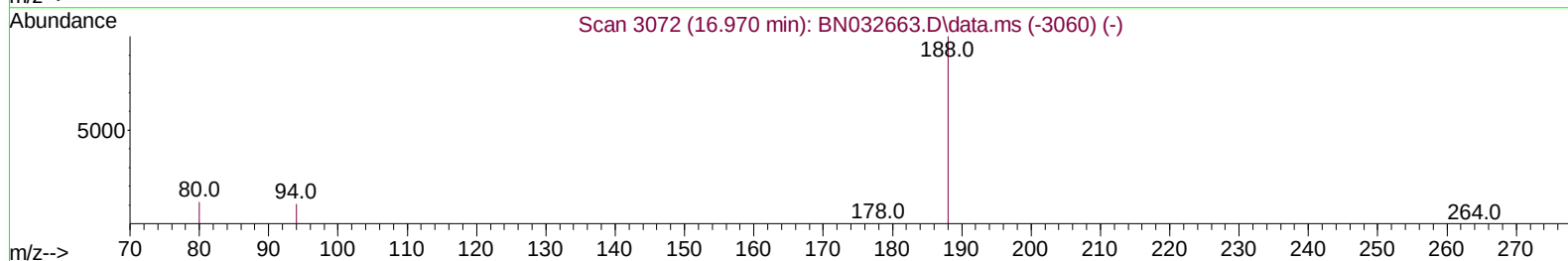
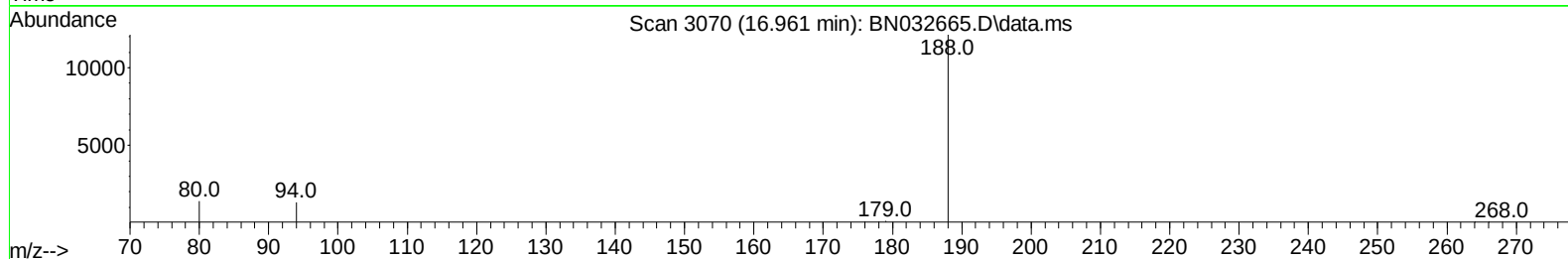
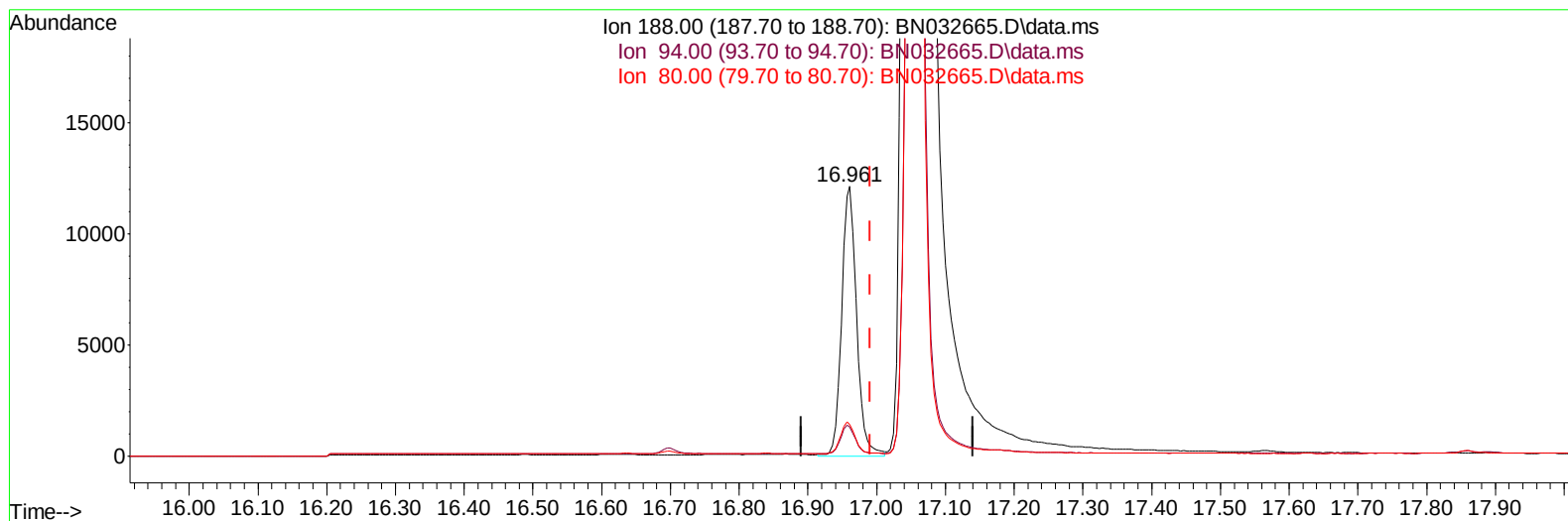
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(13) Phenanthrene-d10 (I)

16.961min (-0.030) 0.40 ng/ul m

response 18207

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	10.79
80.00	12.00	11.66
0.00	0.00	0.00

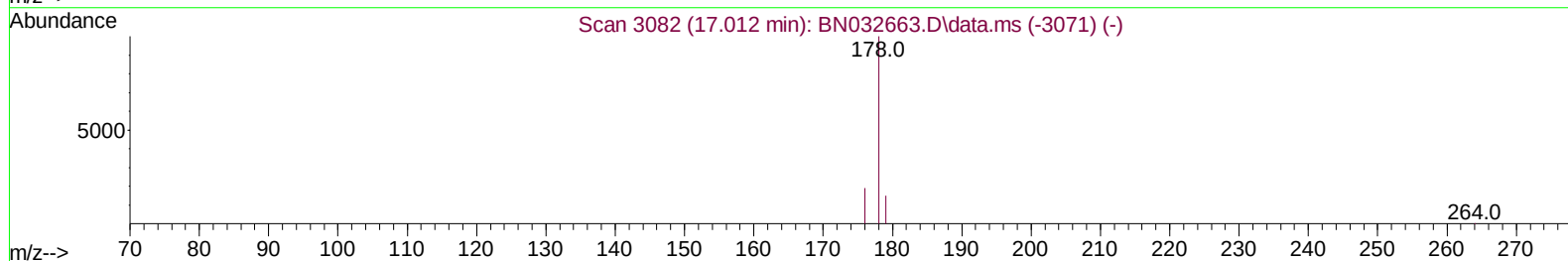
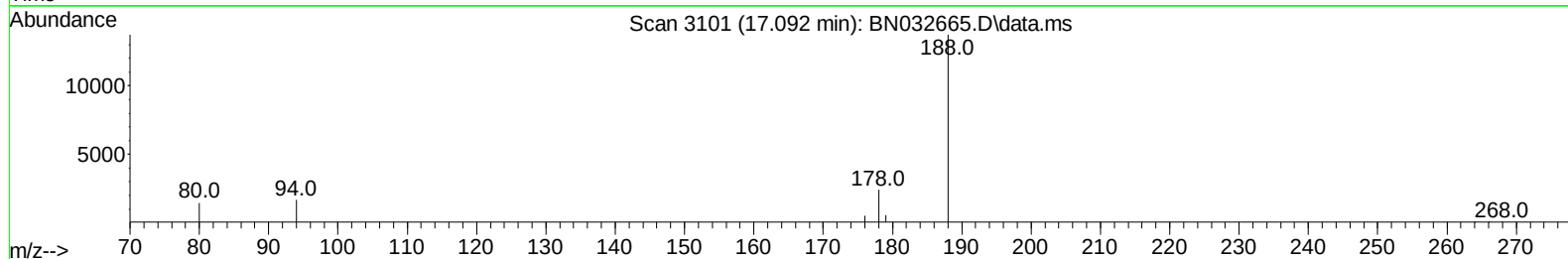
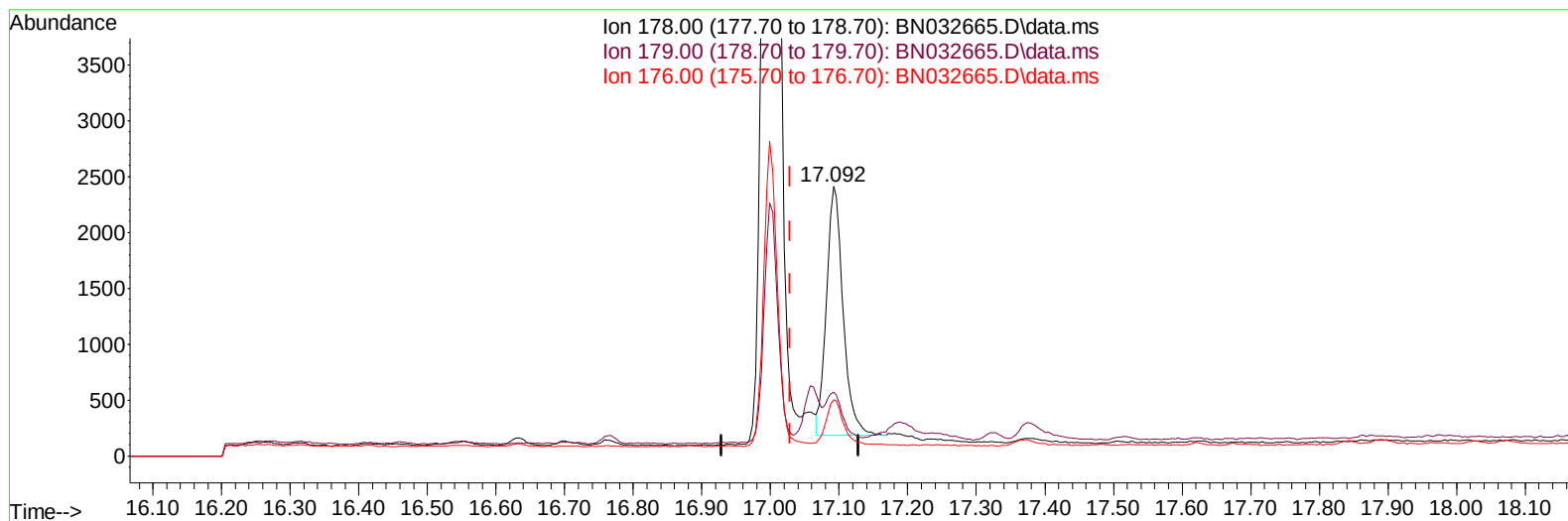
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.08 ng/u1

response 3770

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	23.64#
176.00	19.50	20.82
0.00	0.00	0.00

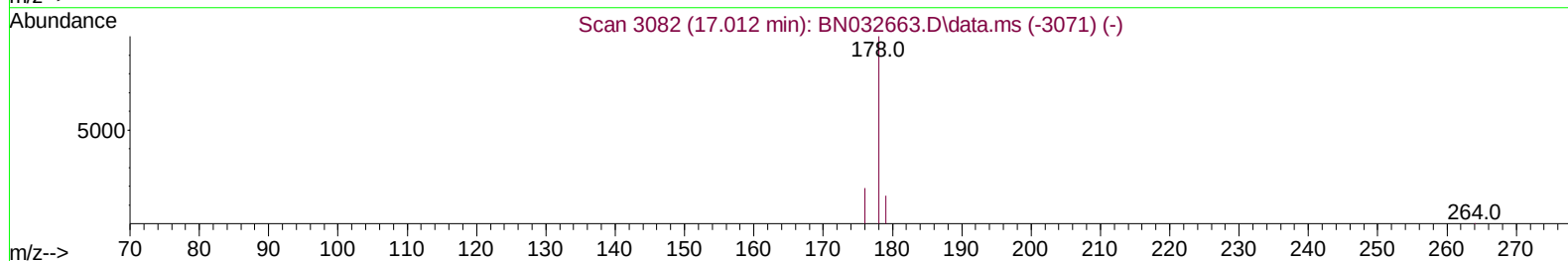
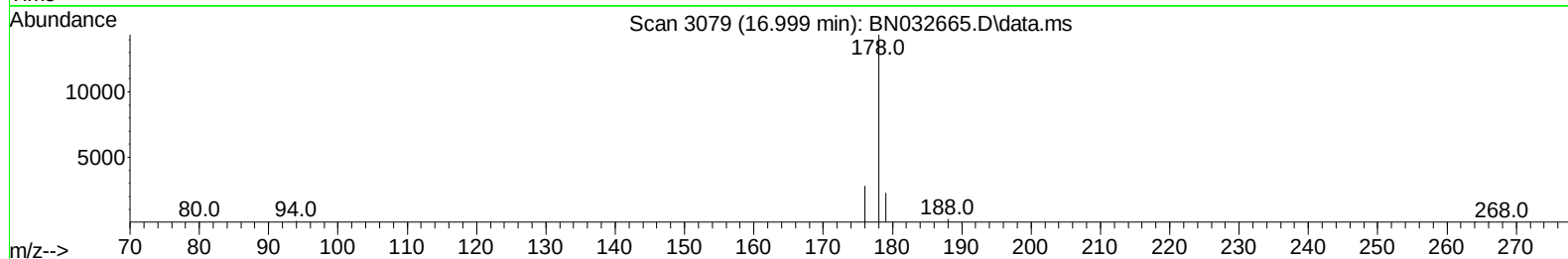
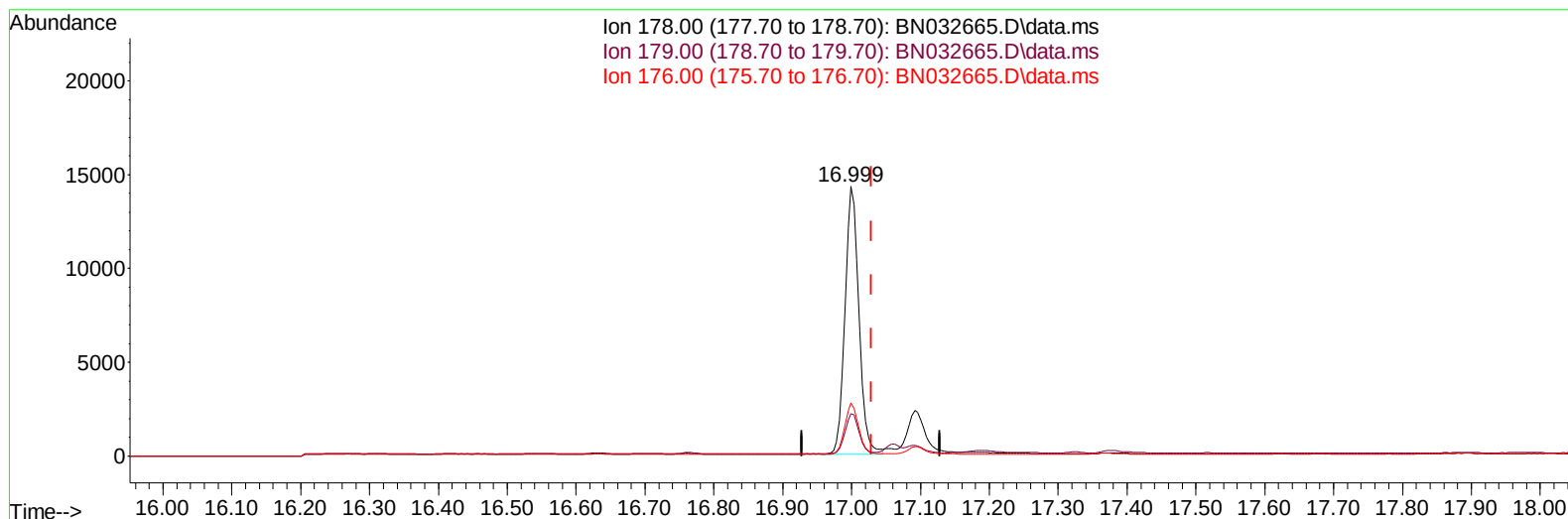
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(15) Phenanthrene

16.999min (-0.030) 0.41 ng/ul m

response 20153

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.77
176.00	19.50	19.60
0.00	0.00	0.00

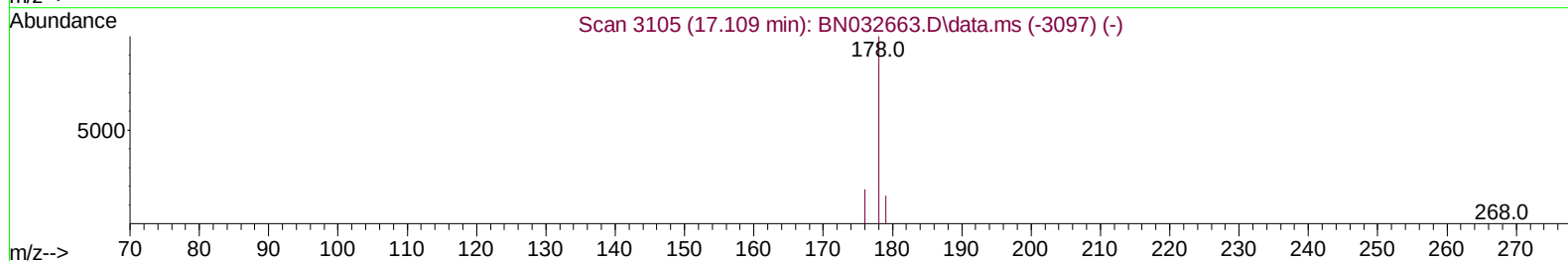
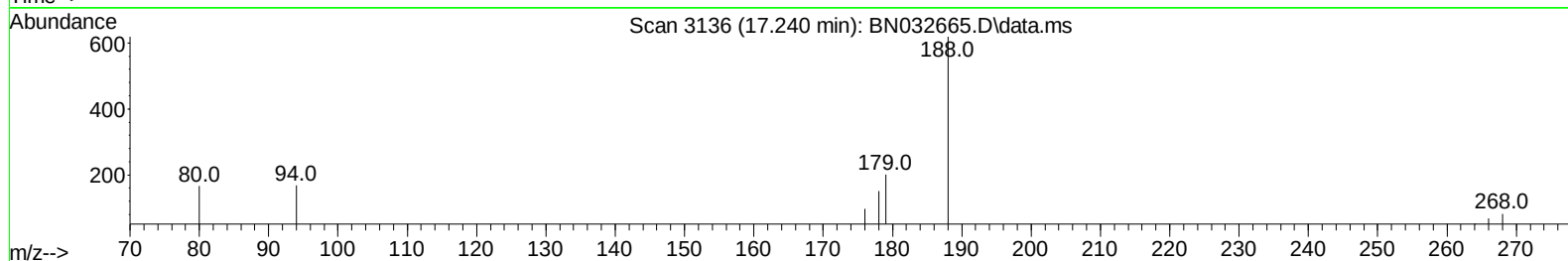
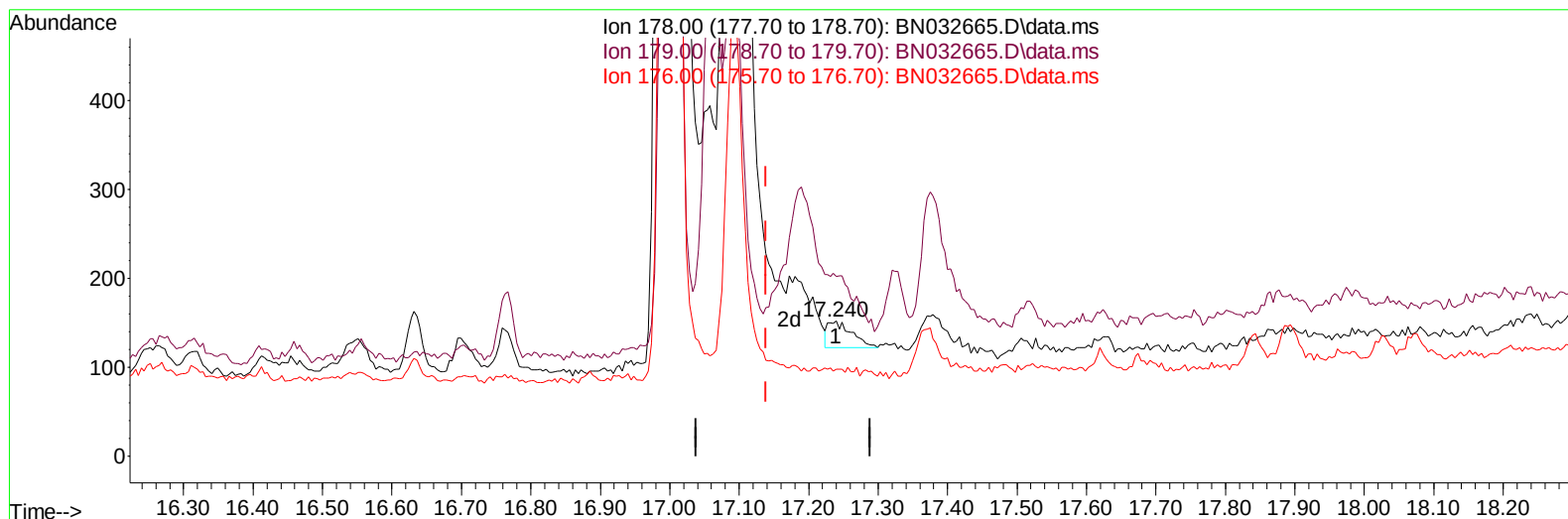
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
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QLast Update : Fri Jul 12 01:40:24 2024
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TIC: BN032665.D\data.ms

(16) Anthracene

17.240min (+ 0.101) 0.00 ng/u1

response 71

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	132.89#
176.00	19.20	64.47#
0.00	0.00	0.00

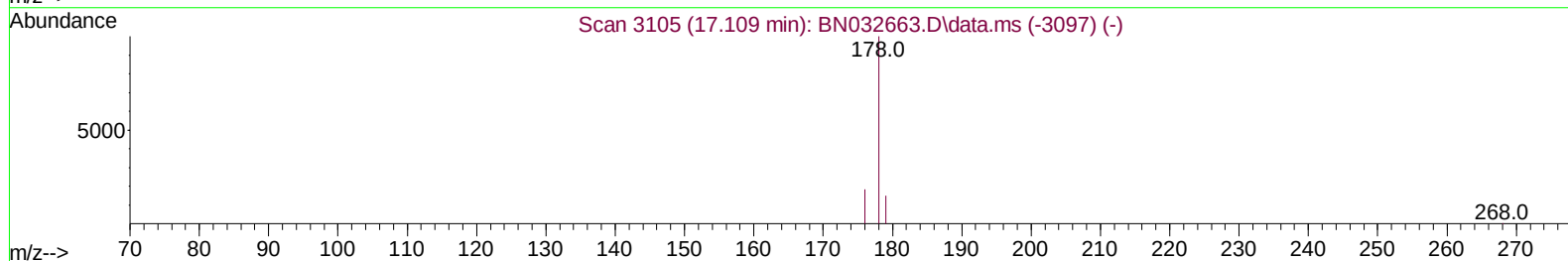
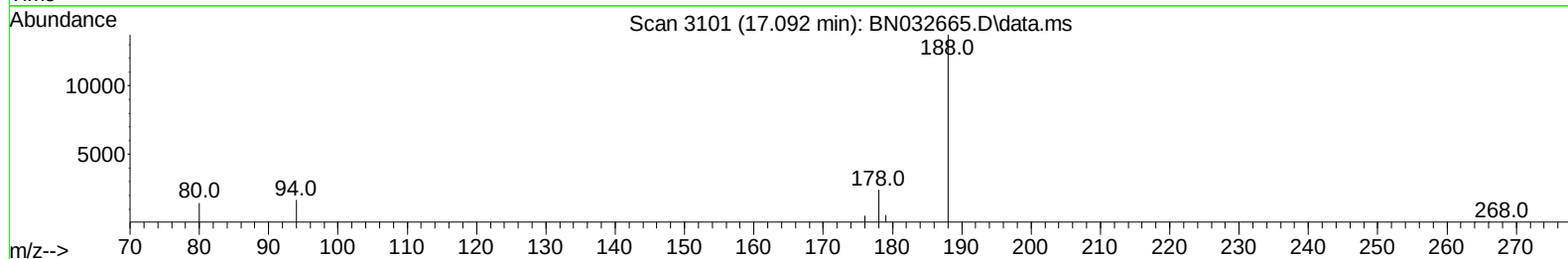
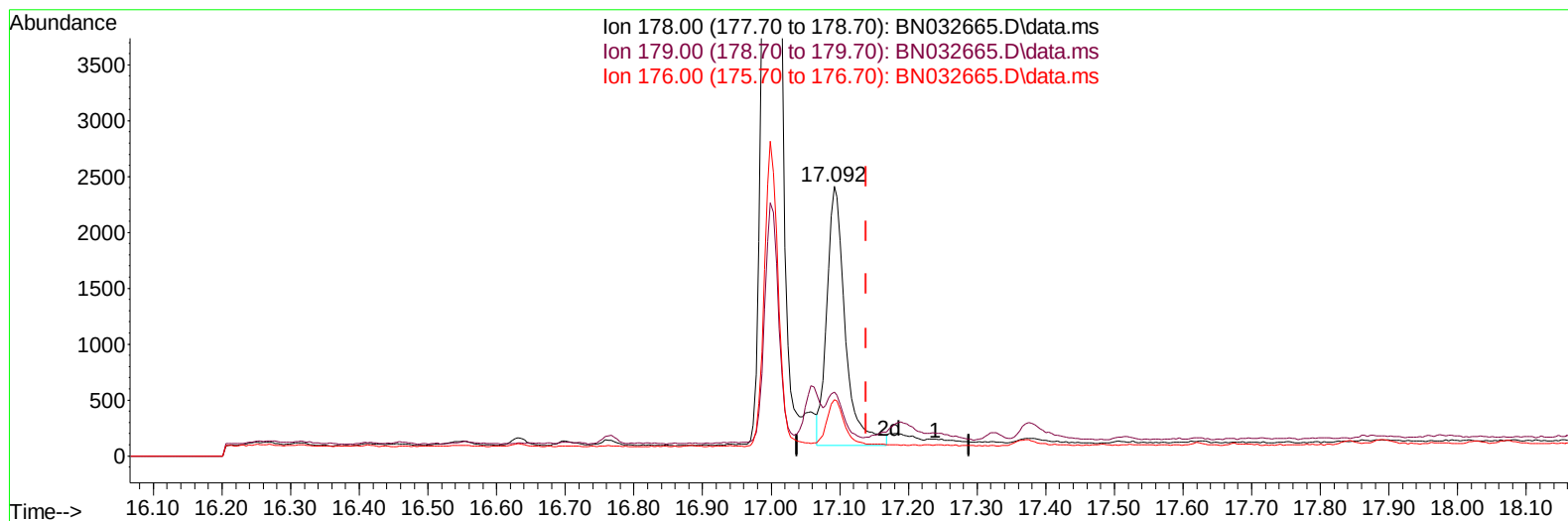
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(16) Anthracene

17.092min (-0.046) 0.11 ng/ul m

response 4299

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	23.64#
176.00	19.20	20.82
0.00	0.00	0.00

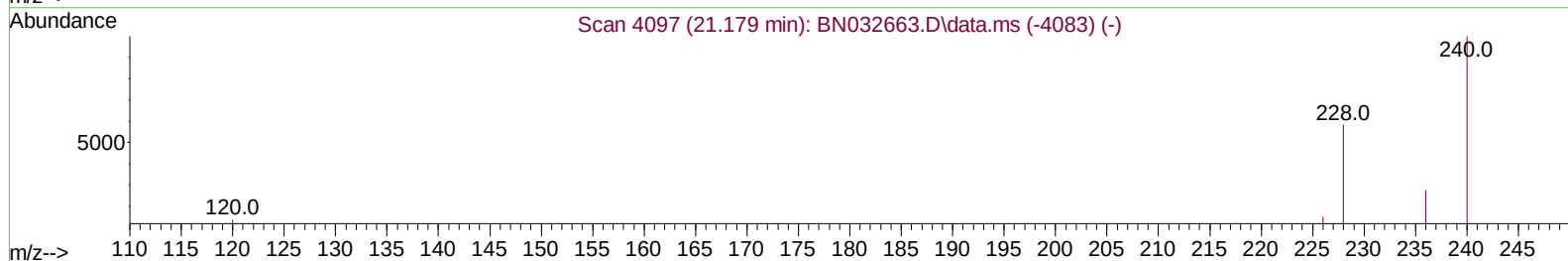
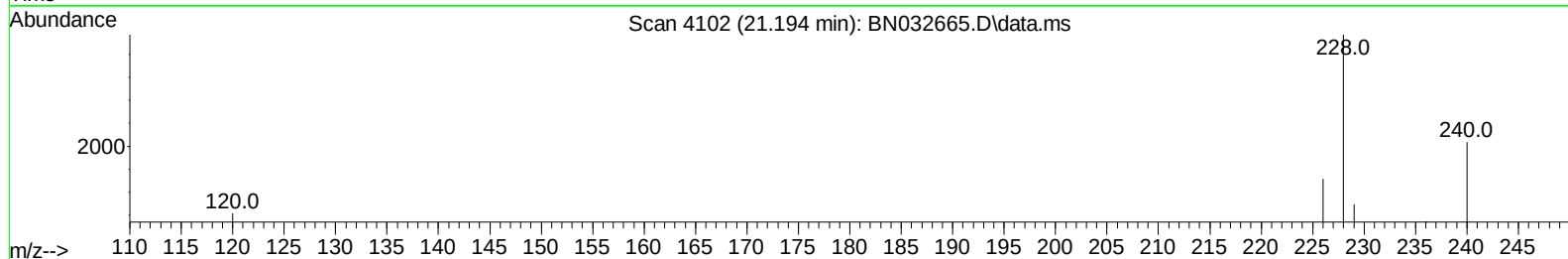
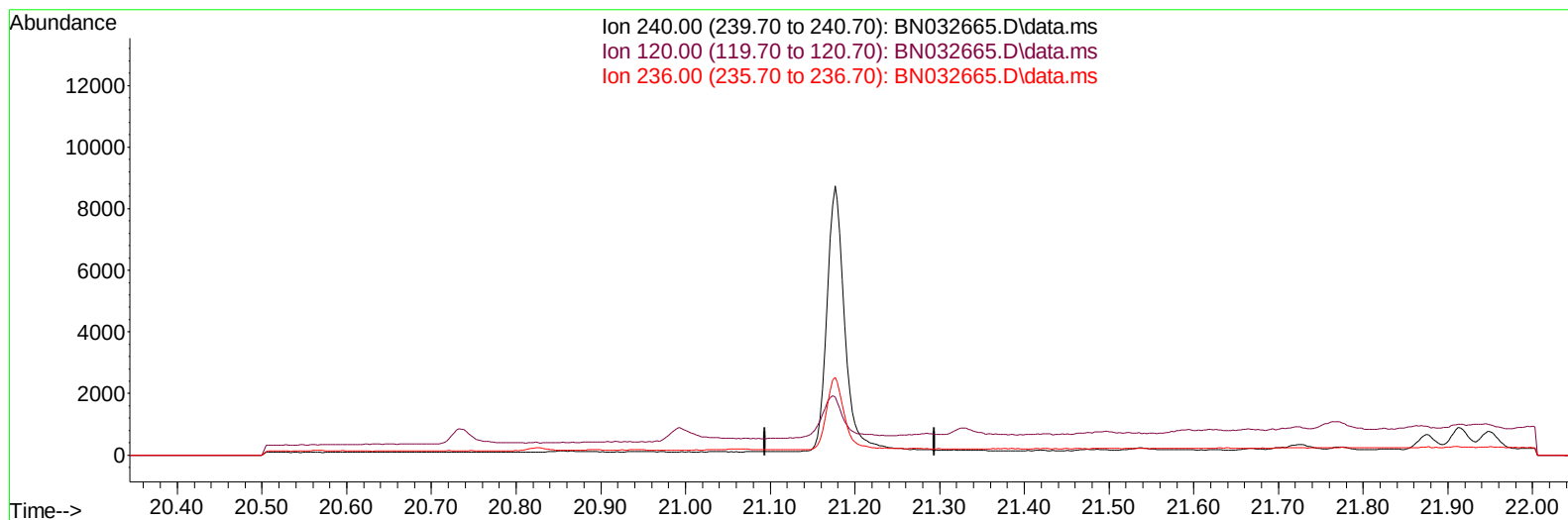
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Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Fri Jul 12 01:40:24 2024
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TIC: BN032665.D\data.ms

(17) Chrysene-d12

21.194min (-21.194) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.00	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

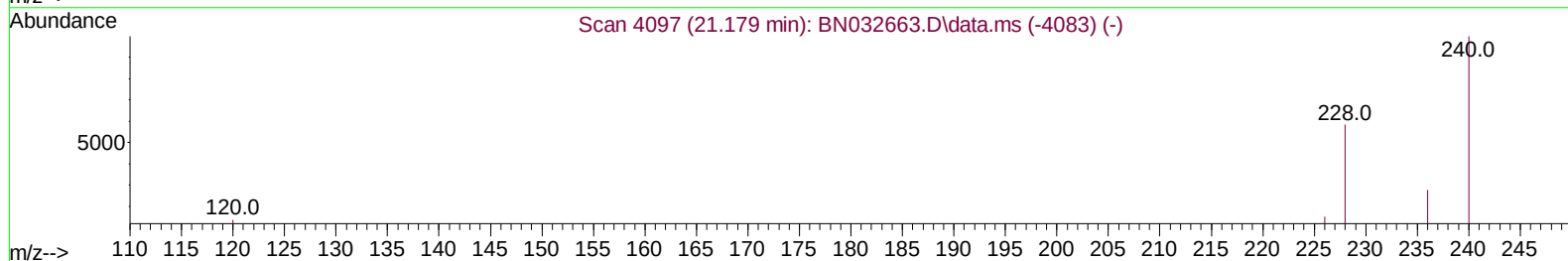
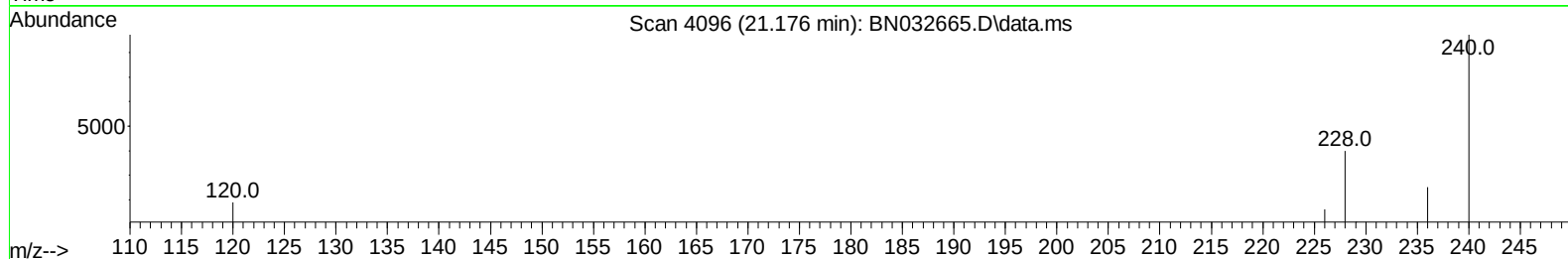
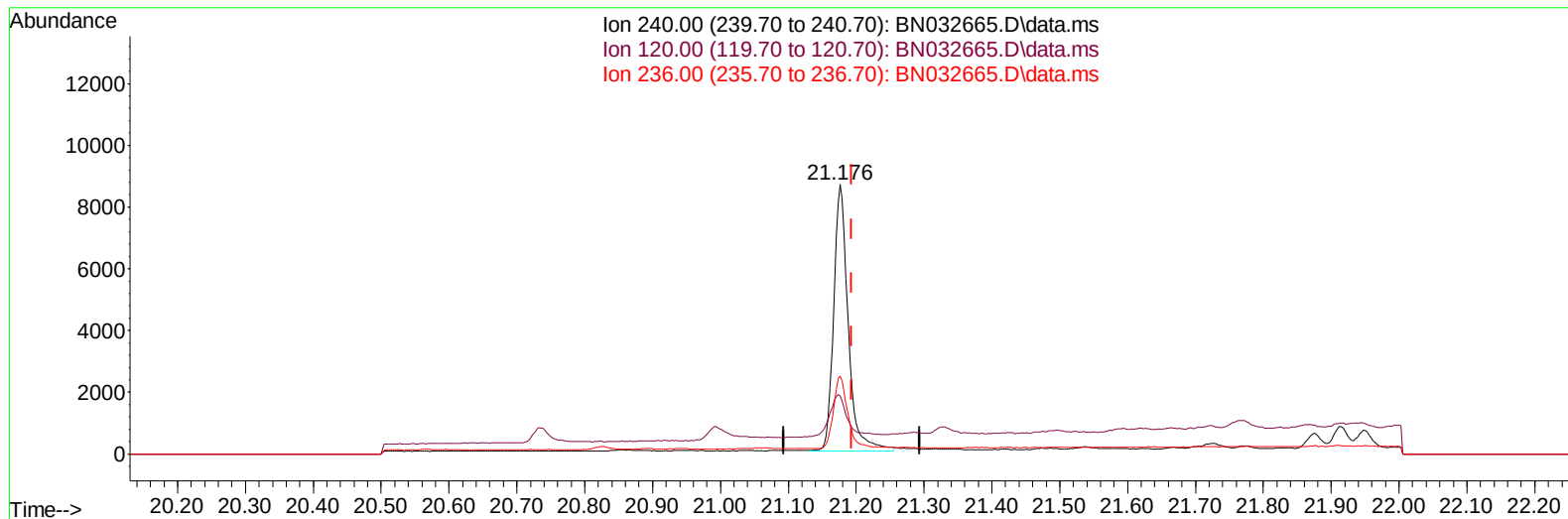
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration



TIC: BN032665.D\data.ms

(17) Chrysene-d12

21.176min (-0.018) 0.40 ng/ul m

response 12964

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.59
236.00	28.40	28.90
0.00	0.00	0.00

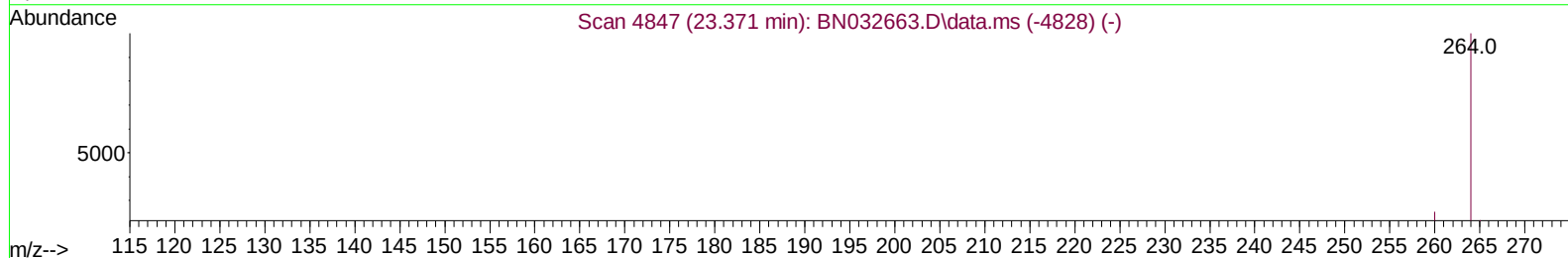
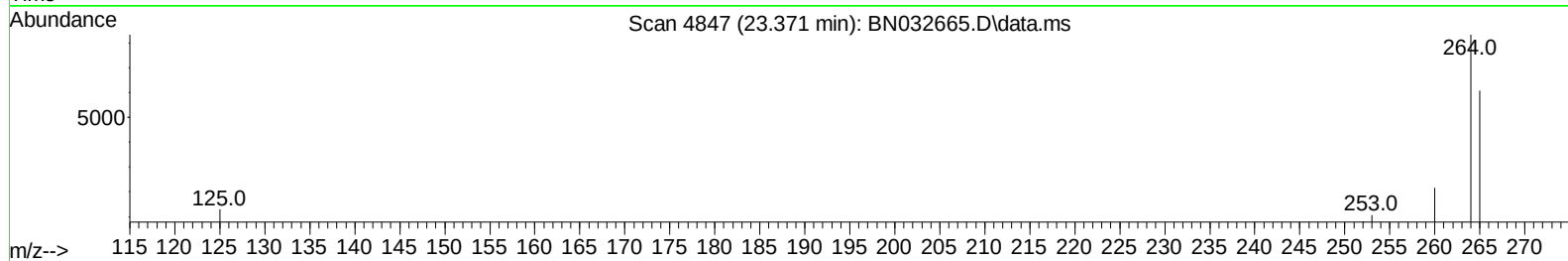
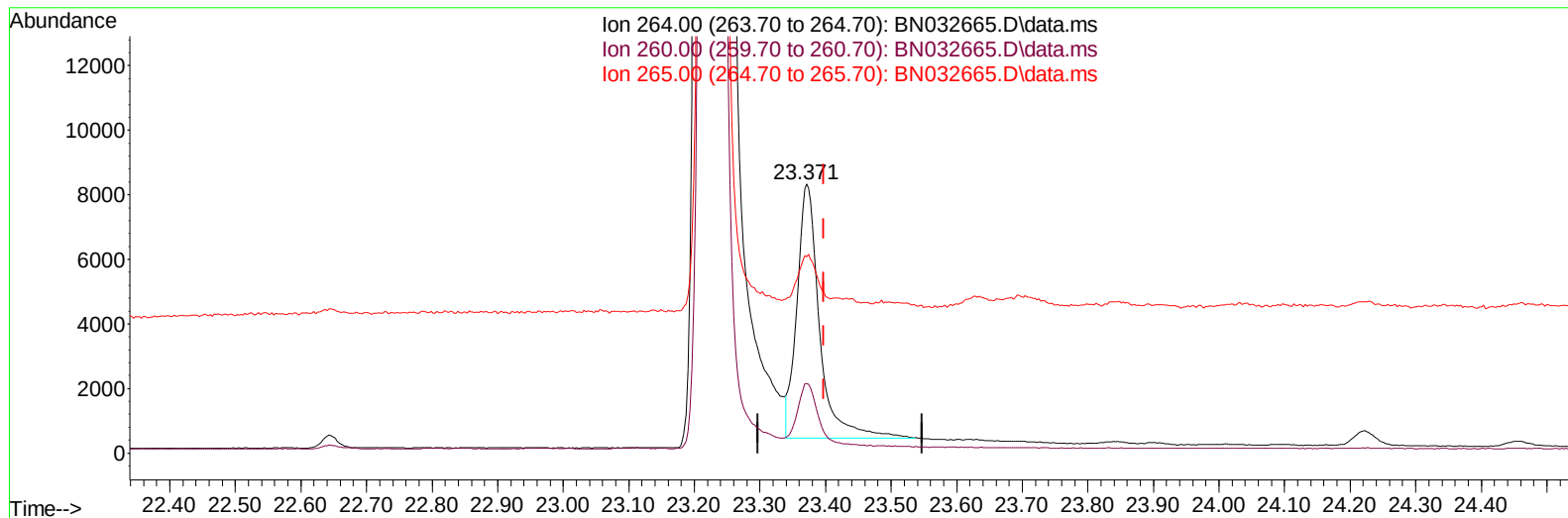
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Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
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TIC: BN032665.D\data.ms

(23) Perylene-d12 (I)

23.371min (-0.026) 0.40 ng/u1

response 18910

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	25.92
265.00	95.50	73.04#
0.00	0.00	0.00

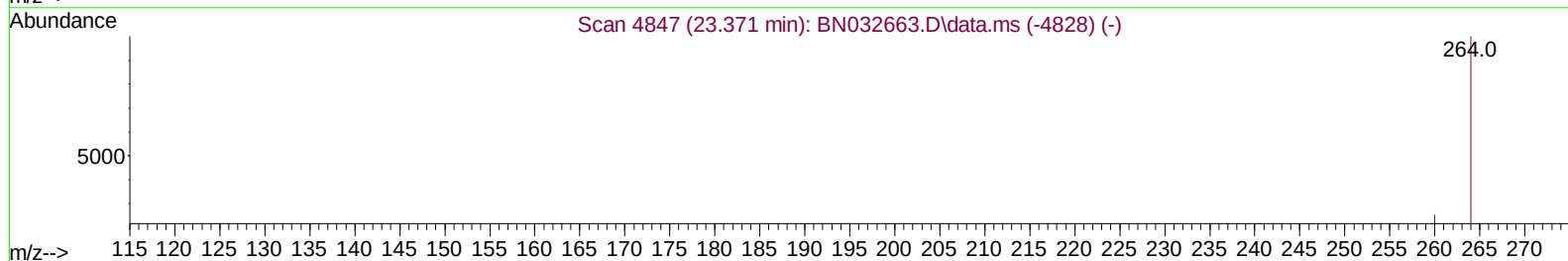
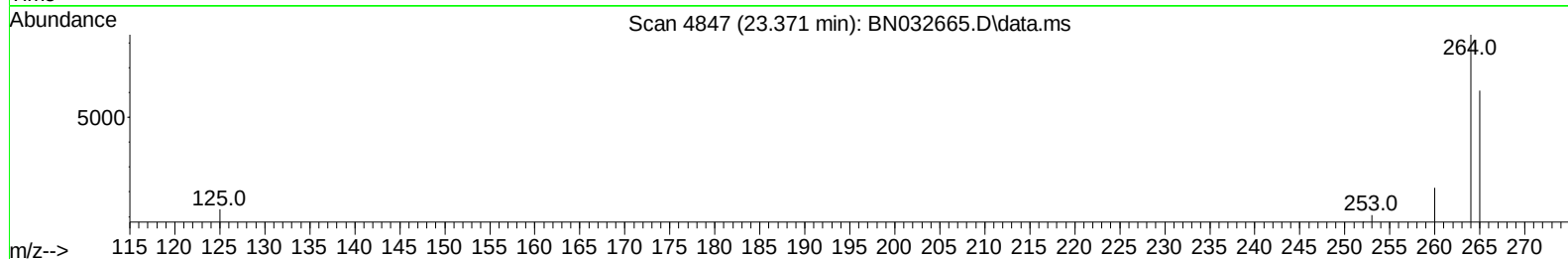
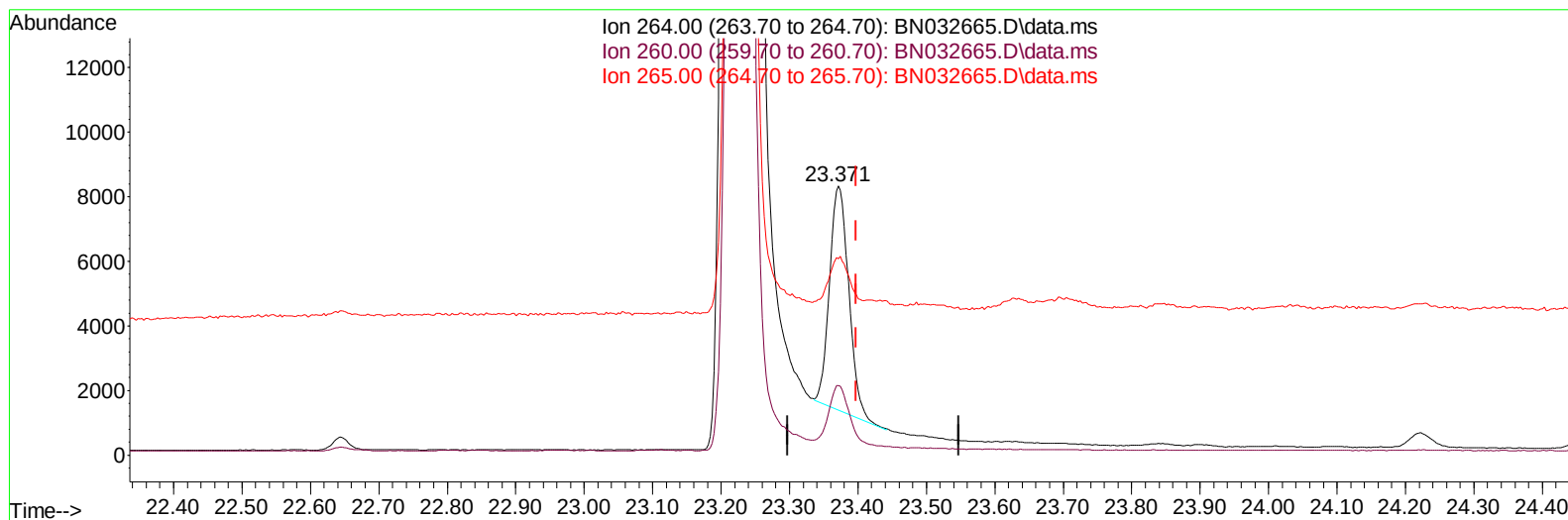
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Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032665.D\data.ms

(23) Perylene-d12 (I)

23.371min (-0.026) 0.40 ng/ul m

response 13488

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	25.92
265.00	95.50	73.04#
0.00	0.00	0.00

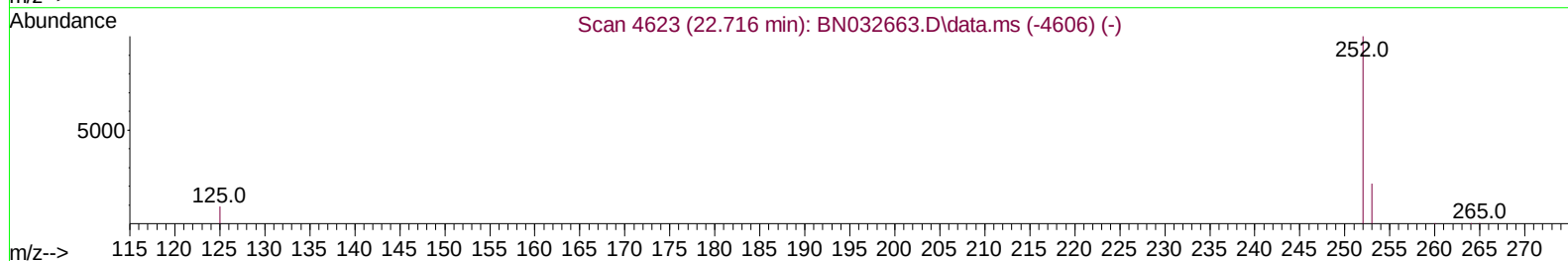
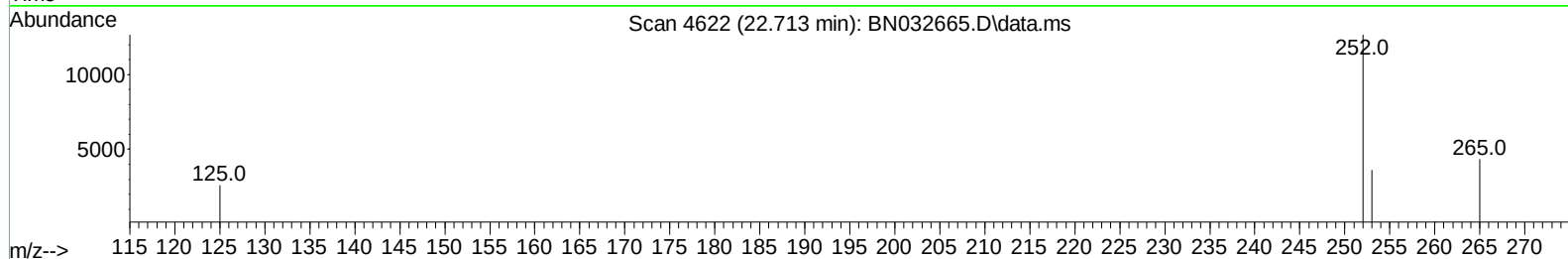
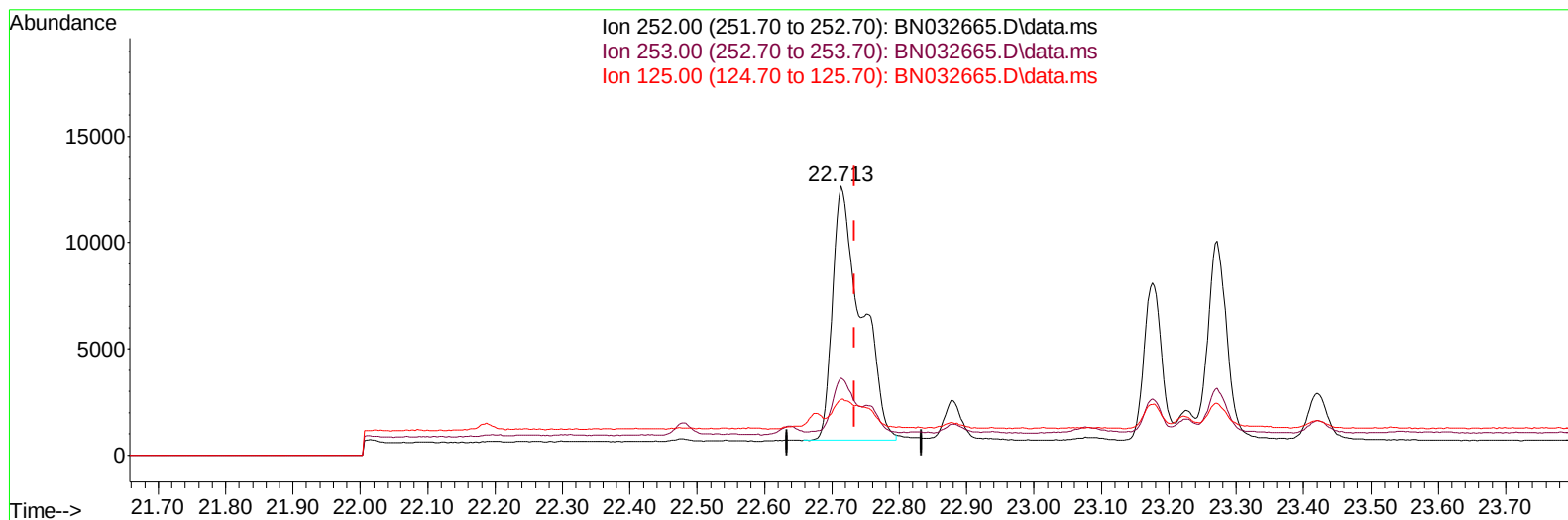
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
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Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

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TIC: BN032665.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (-0.021) 0.75 ng/u1

response 35473

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.57
125.00	18.00	20.66
0.00	0.00	0.00

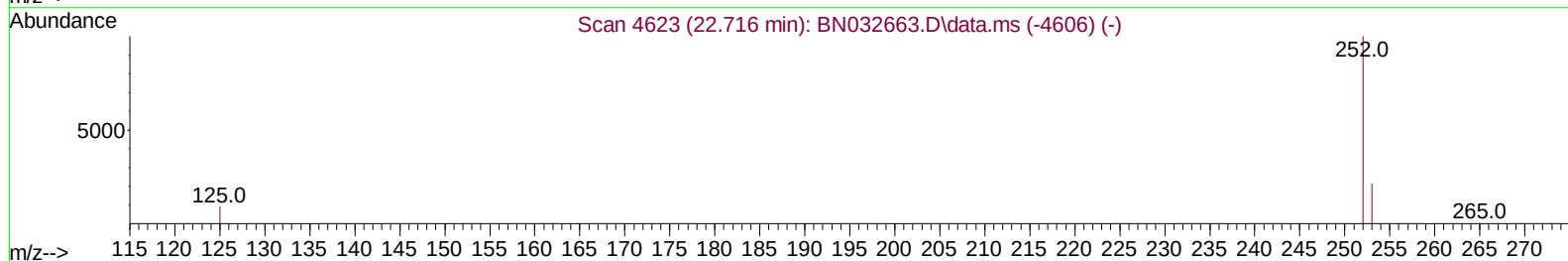
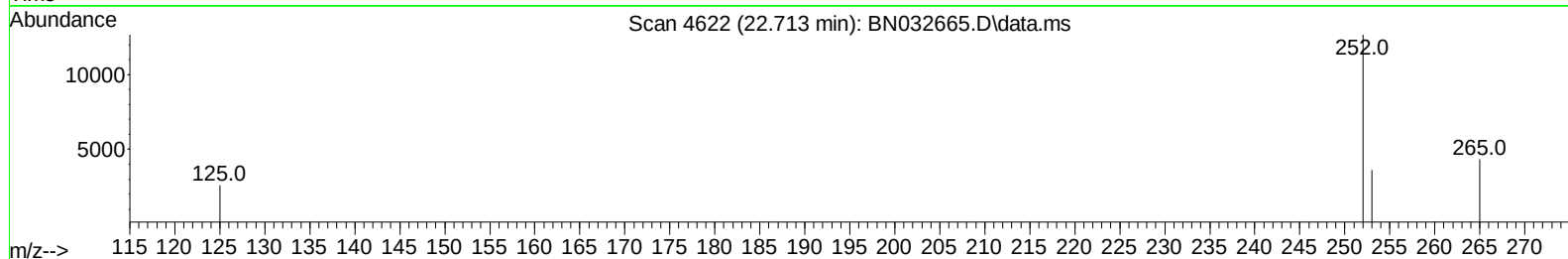
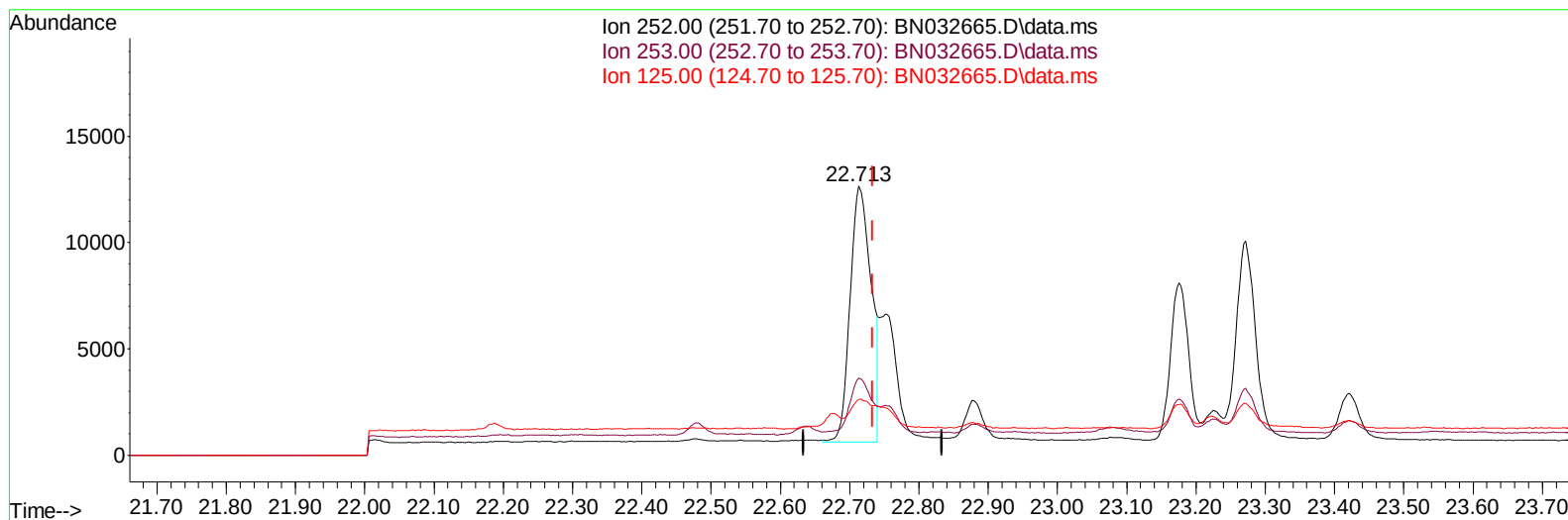
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032665.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (-0.021) 0.53 ng/ul m

response 25369

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.57
125.00	18.00	20.66
0.00	0.00	0.00

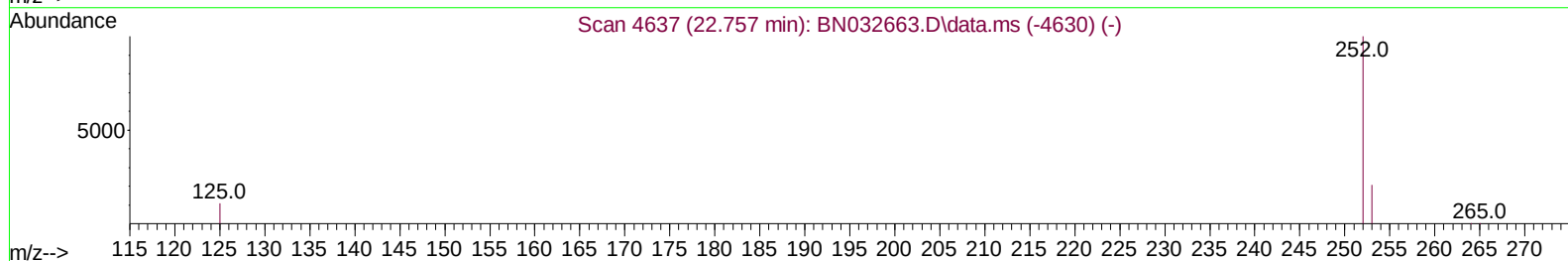
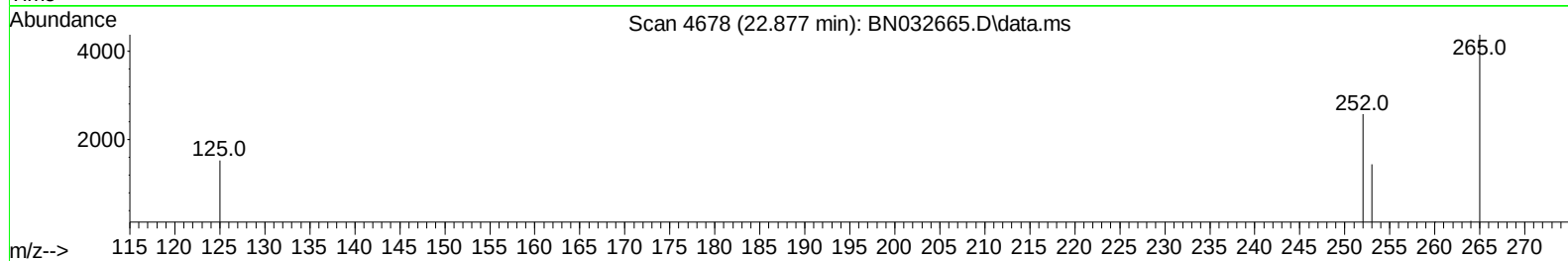
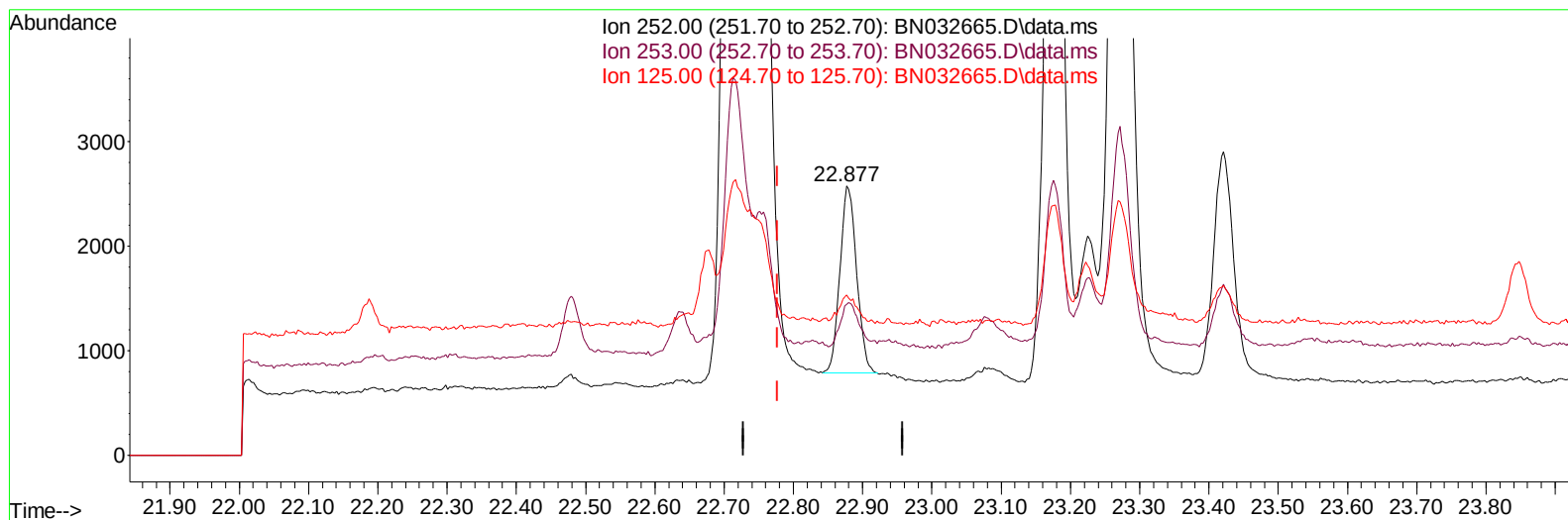
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
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Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032665.D\data.ms

(25) Benzo(k)fluoranthene

22.877min (+ 0.099) 0.05 ng/u1

response 3004

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	55.91#
125.00	18.50	59.44#
0.00	0.00	0.00

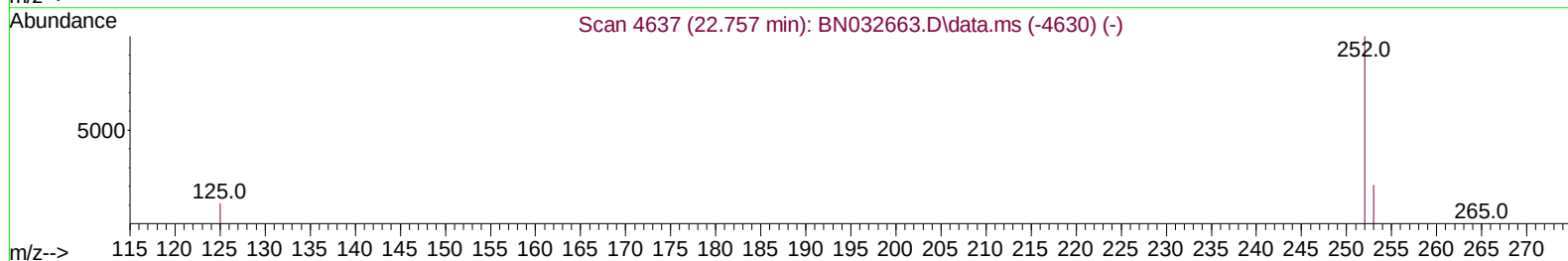
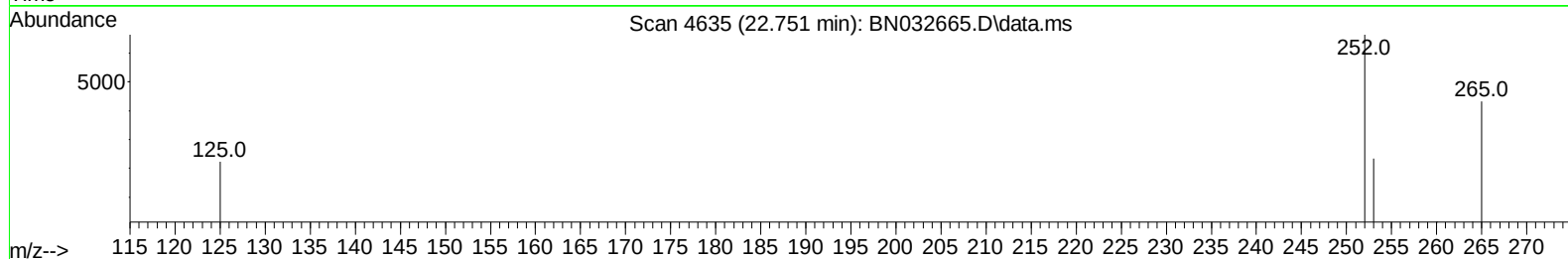
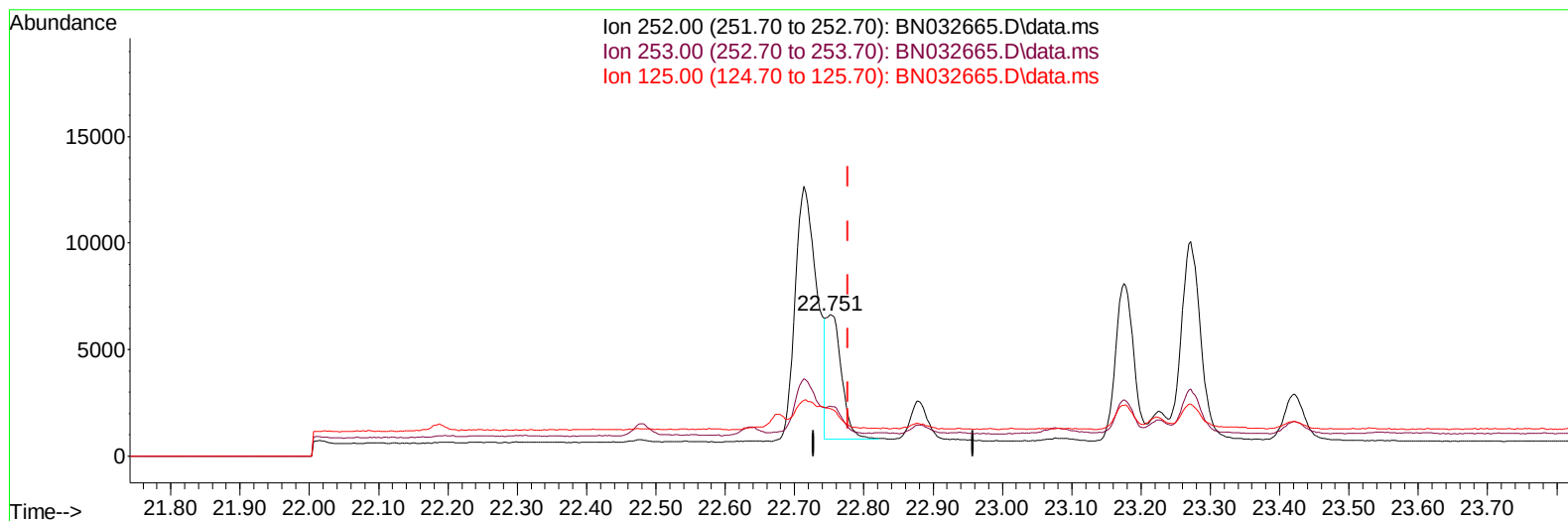
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032665.D
Acq On : 12 Jul 2024 10:09
Operator : MA/JU
Sample : P3087-22
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CY9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 12:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration



TIC: BN032665.D\data.ms

(25) Benzo(k)fluoranthene

22.751min (-0.026) 0.16 ng/ul m

response 9213

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	35.21#
125.00	18.50	33.72#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.548	152		5460	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136		17834	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164		10209	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.961	188		18207m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.176	240		12964m	0.400	ng/ul	-0.02
23) Perylene-d12	23.371	264		13488m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.101	96		16838	2.568	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.933	152		4463	0.166	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212		7219	0.171	ng/ul	-0.03
Target Compounds					Qvalue		
5) Naphthalene	10.371	128		982	0.021	ng/ul#	74
10) Acenaphthylene	13.920	152		1447	0.035	ng/ul#	80
11) Acenaphthene	14.262	153		1001	0.029	ng/ul	97
12) Fluorene	15.262	166		1179	0.030	ng/ul#	97
15) Phenanthrene	16.999	178		20153m	0.406	ng/ul	
16) Anthracene	17.092	178		4299m	0.106	ng/ul	
19) Fluoranthene	19.031	202		38664	0.734	ng/ul	98
20) Pyrene	19.394	202		35869	0.657	ng/ul	99
21) Benzo(a)anthracene	21.162	228		17867	0.433	ng/ul	96
22) Chrysene	21.214	228		16380	0.274	ng/ul	97
24) Benzo(b)fluoranthene	22.713	252		25369m	0.533	ng/ul	
25) Benzo(k)fluoranthene	22.751	252		9213m	0.159	ng/ul	
26) Benzo(a)pyrene	23.272	252		18179	0.441	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.586	276		13805	0.248	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.586	278		3018	0.070	ng/ul#	36
29) Benzo(g,h,i)perylene	26.256	276		13811	0.296	ng/ul	95

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

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