

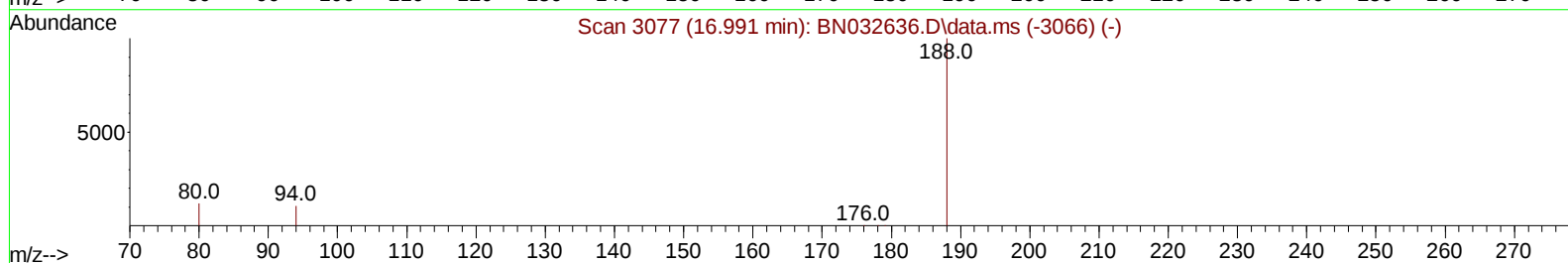
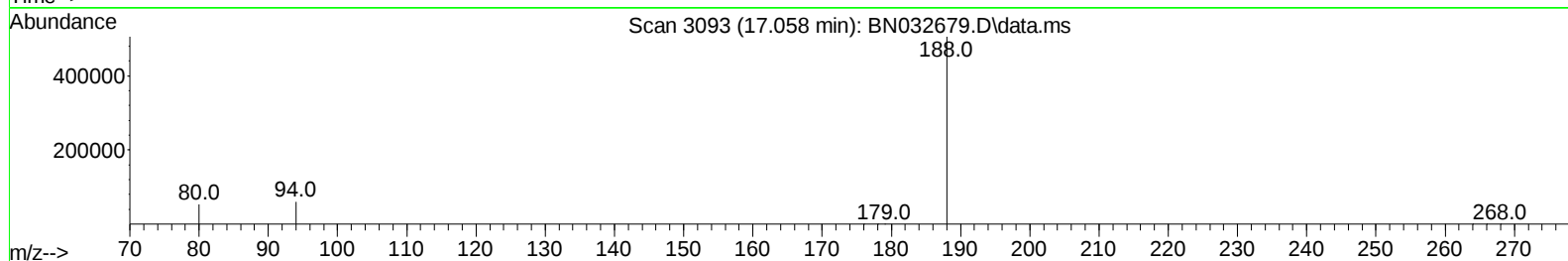
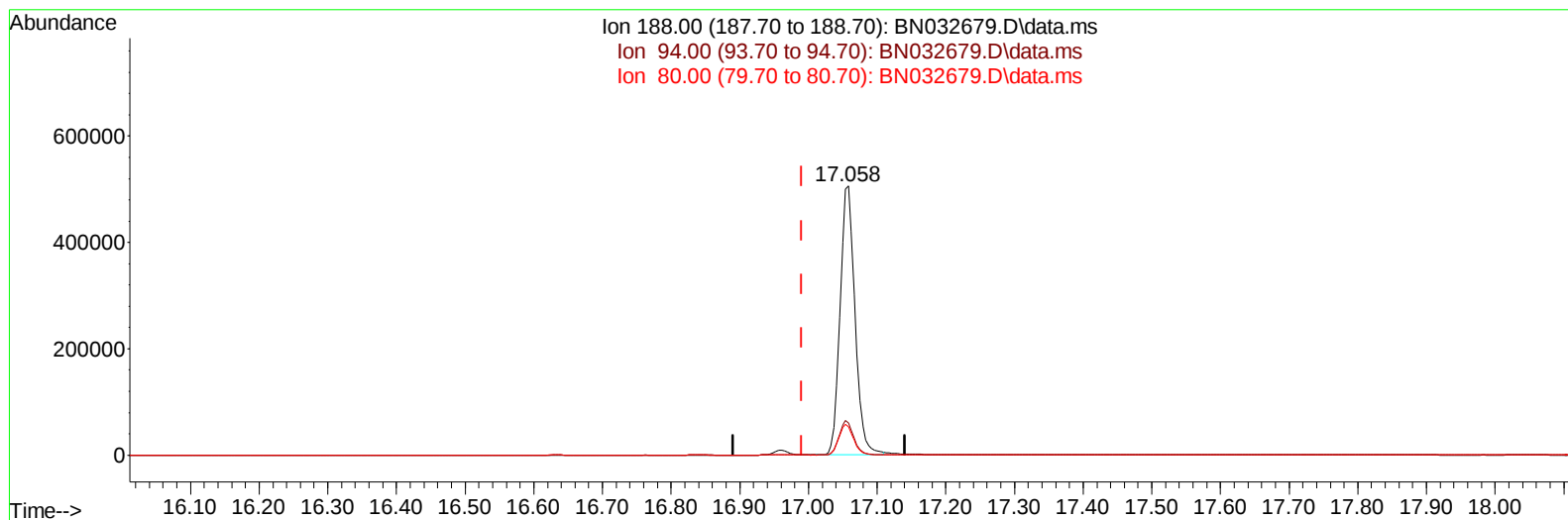
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.067) 0.40 ng/u1

response 765775

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.89
80.00	12.00	10.54
0.00	0.00	0.00

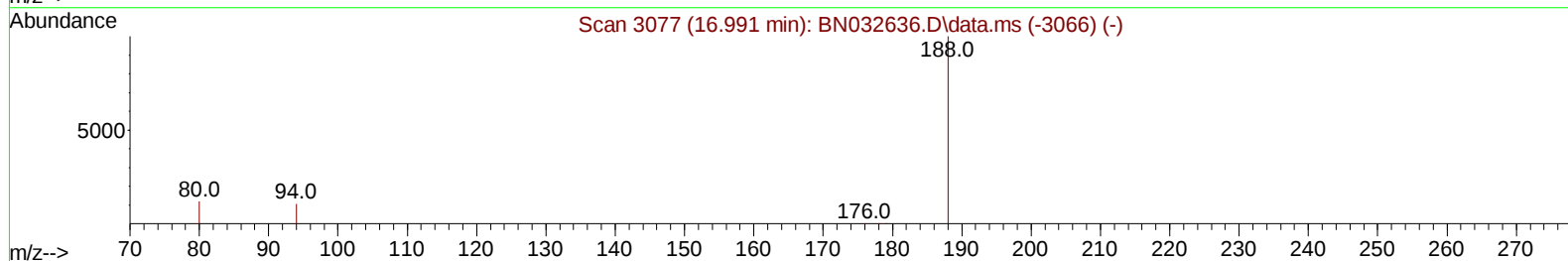
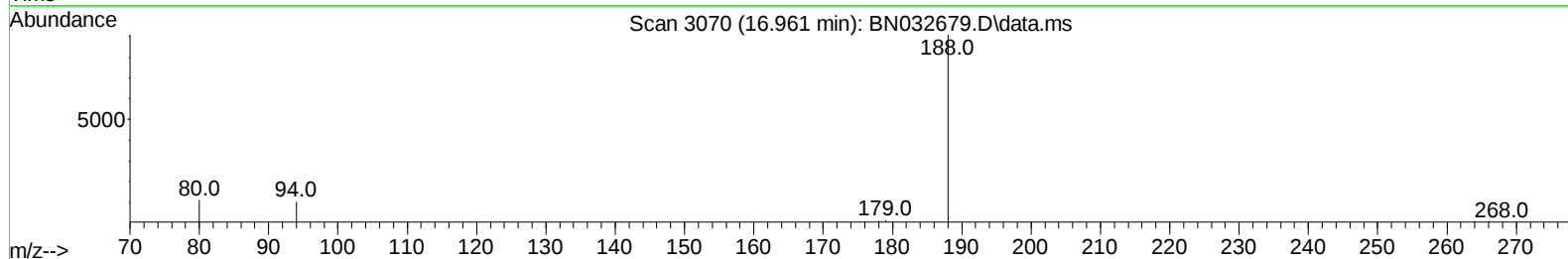
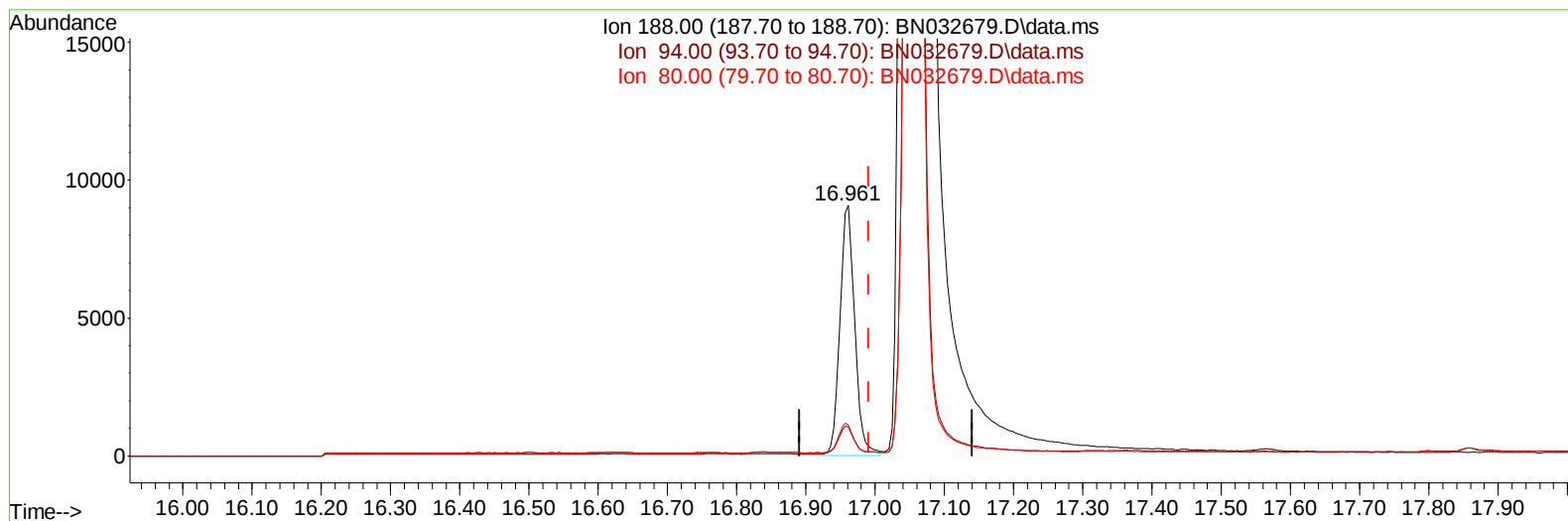
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(13) Phenanthrene-d10 (I)

16.961min (-0.030) 0.40 ng/ul m

response 13538

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.48
80.00	12.00	12.24
0.00	0.00	0.00

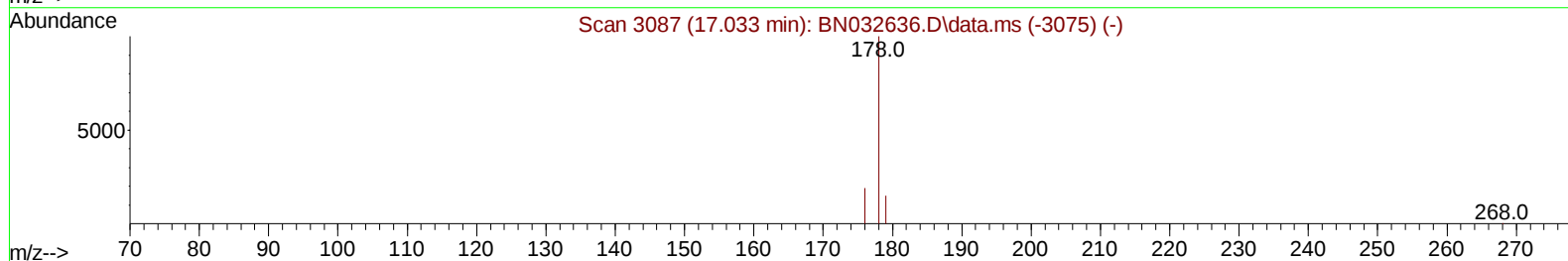
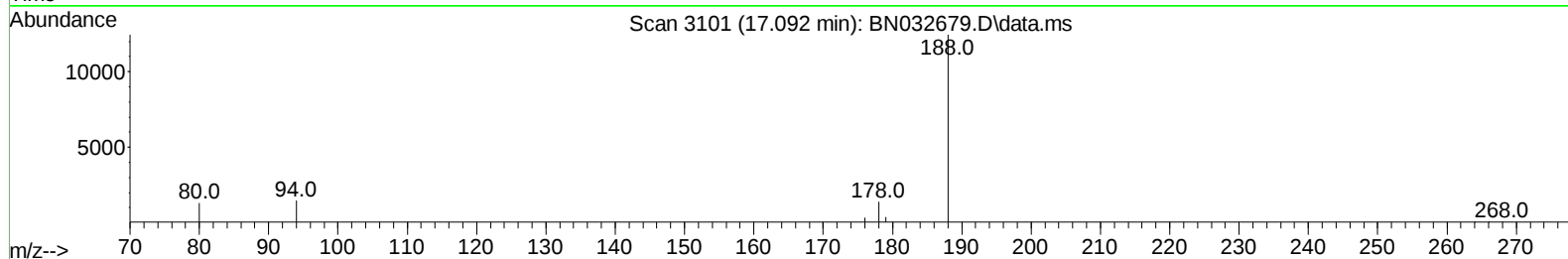
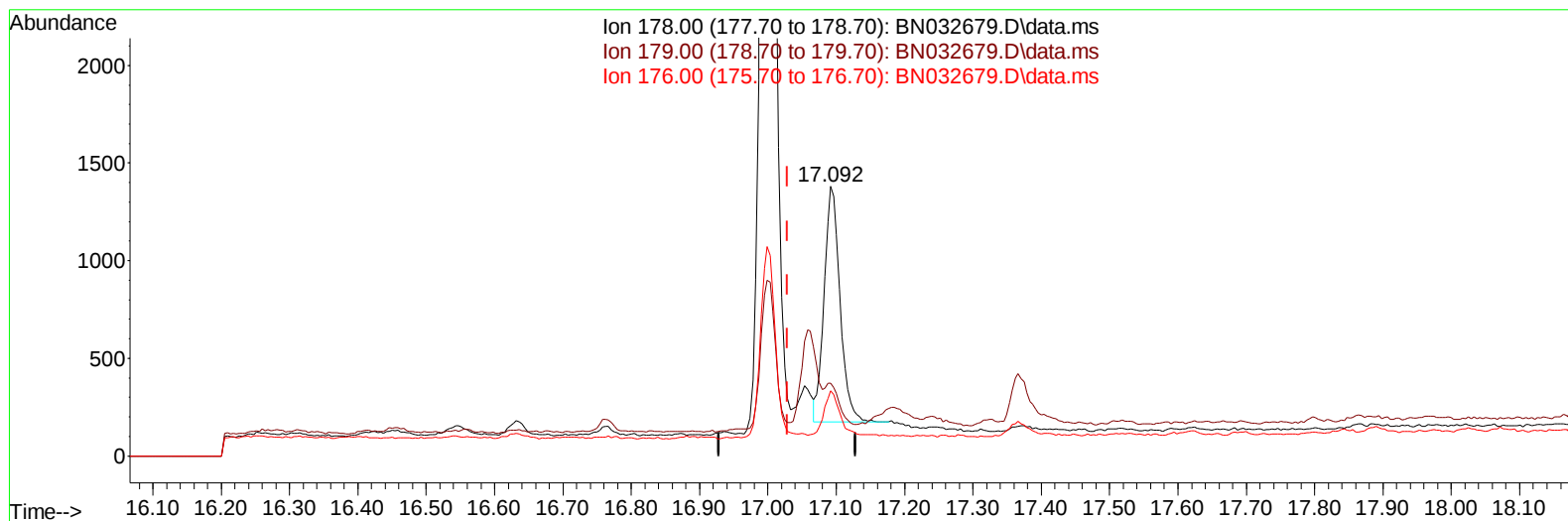
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.05 ng/u1

response 1958

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	26.96#
176.00	19.50	24.13#
0.00	0.00	0.00

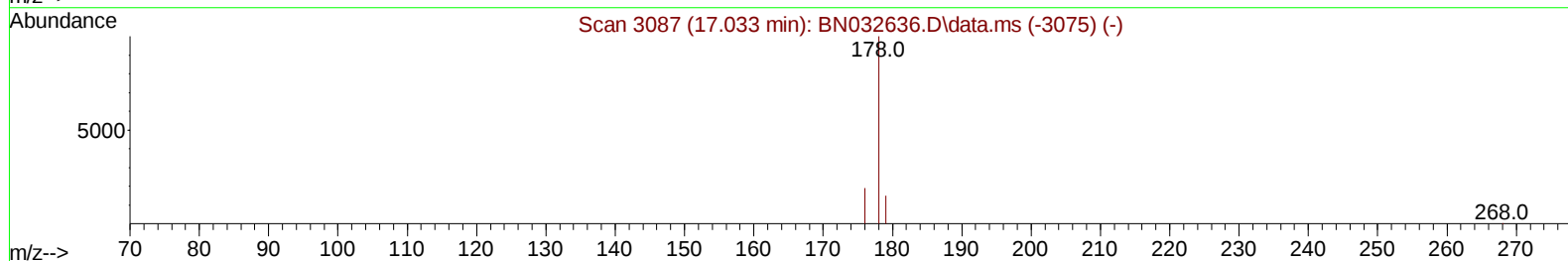
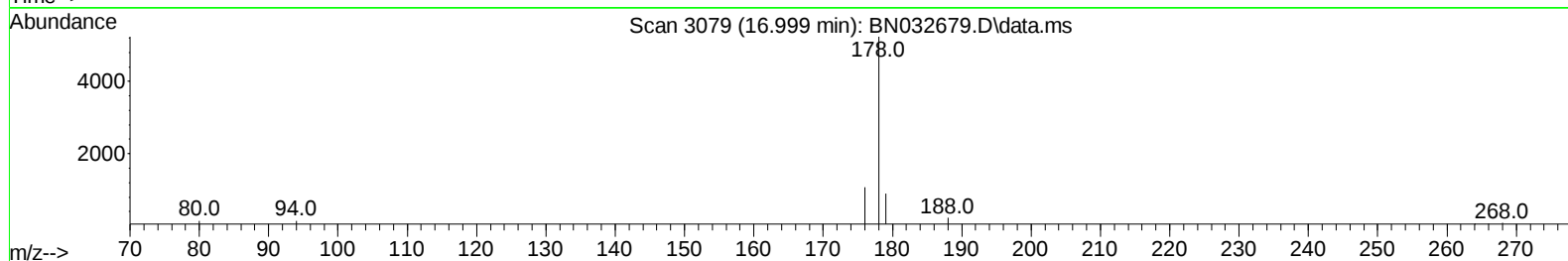
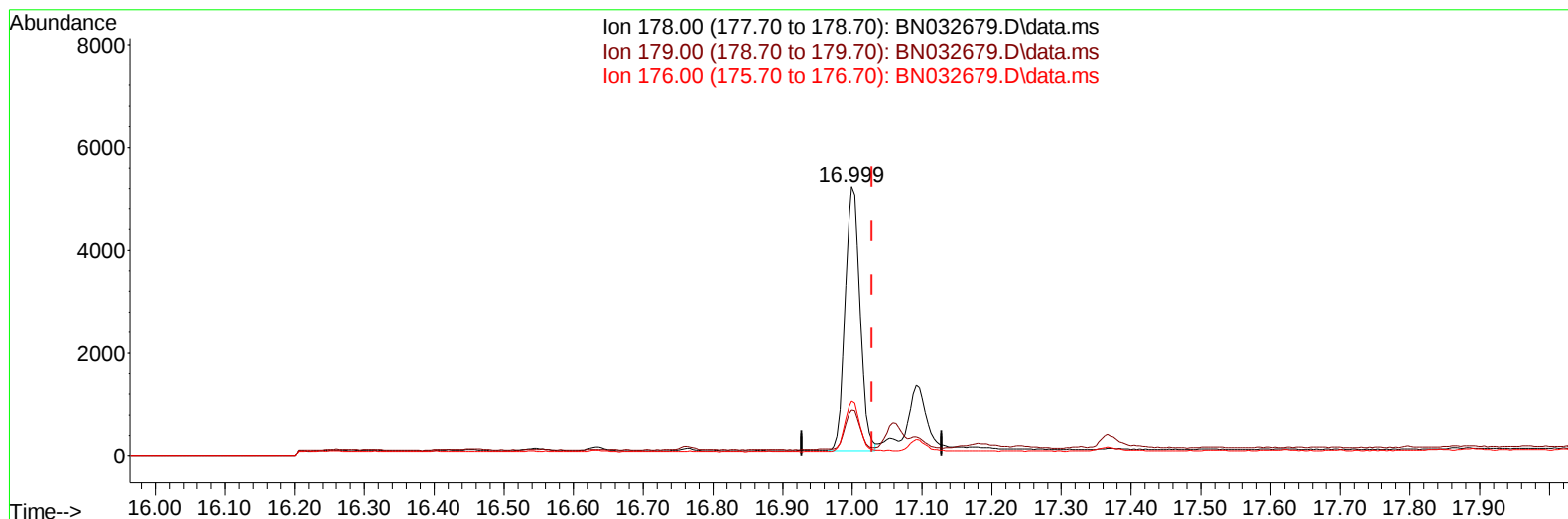
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(15) Phenanthrene

16.999min (-0.030) 0.21 ng/ul m

response 7677

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.20
176.00	19.50	20.48
0.00	0.00	0.00

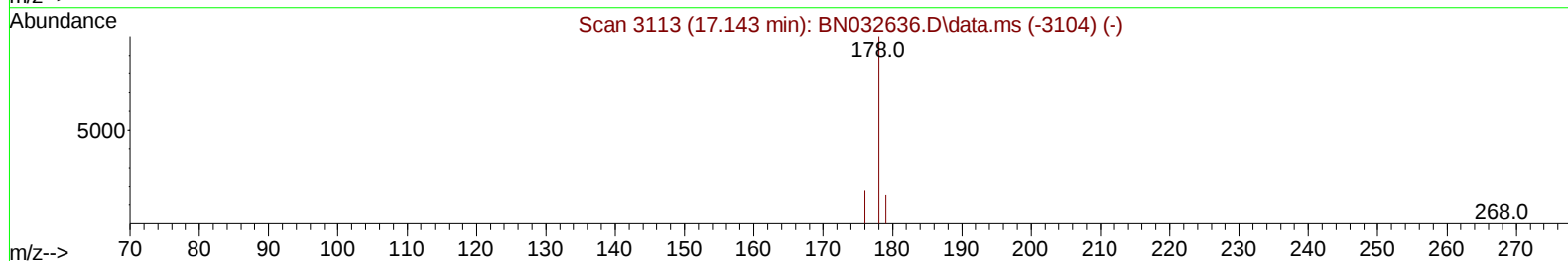
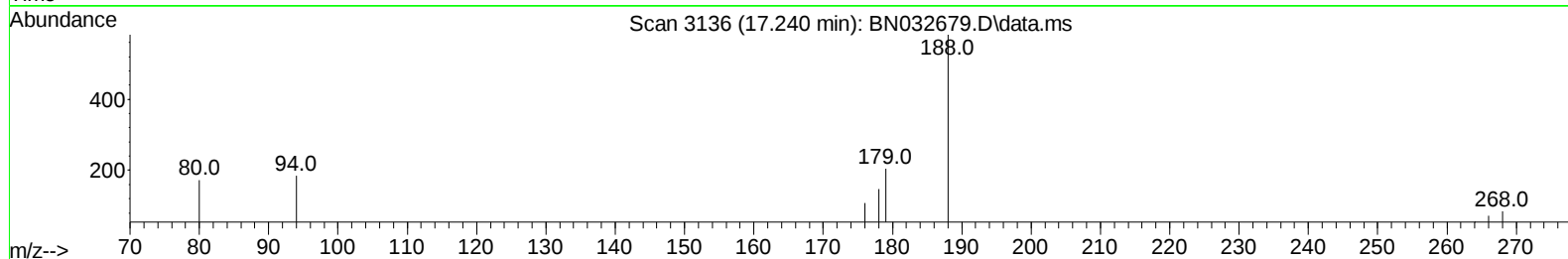
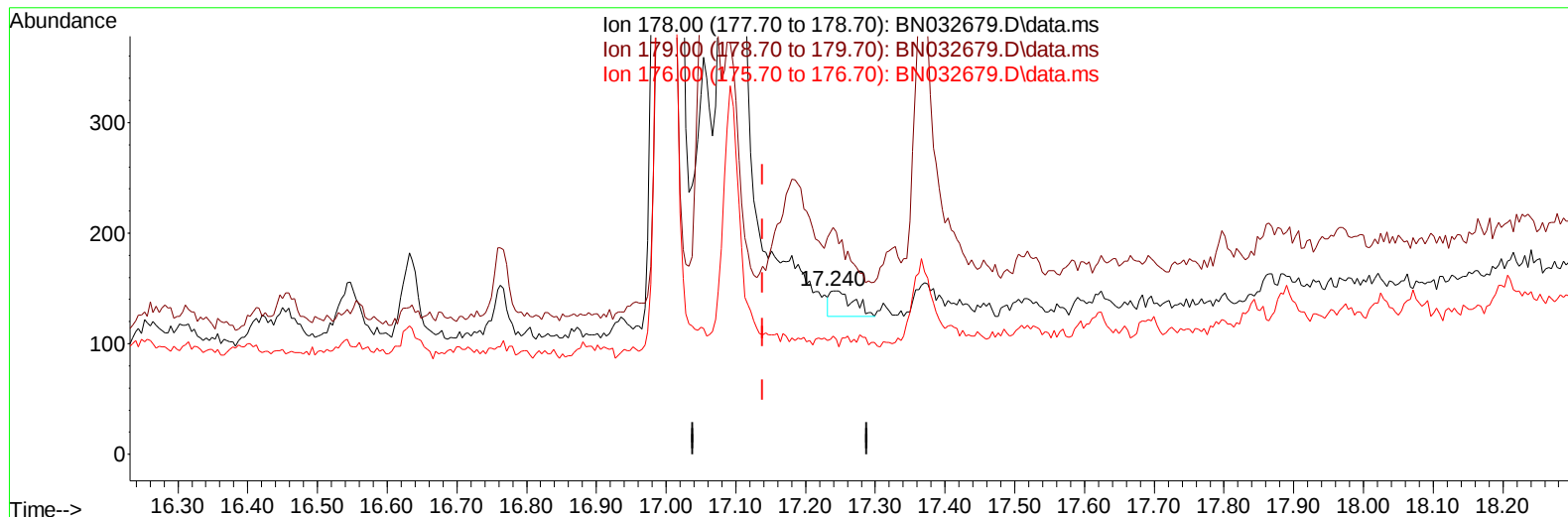
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 2024
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QLast Update : Fri Jul 12 01:40:24 2024
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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(16) Anthracene

17.240min (+ 0.101) 0.00 ng/u1

response 53

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	138.51#
176.00	19.20	72.30#
0.00	0.00	0.00

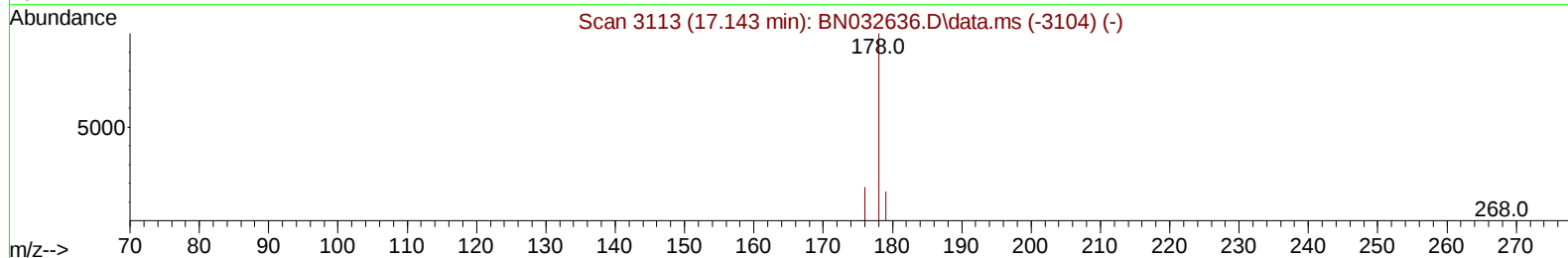
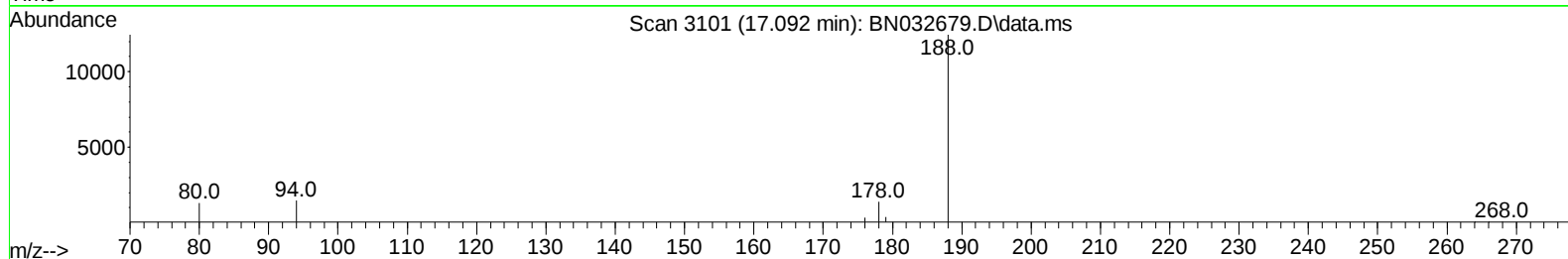
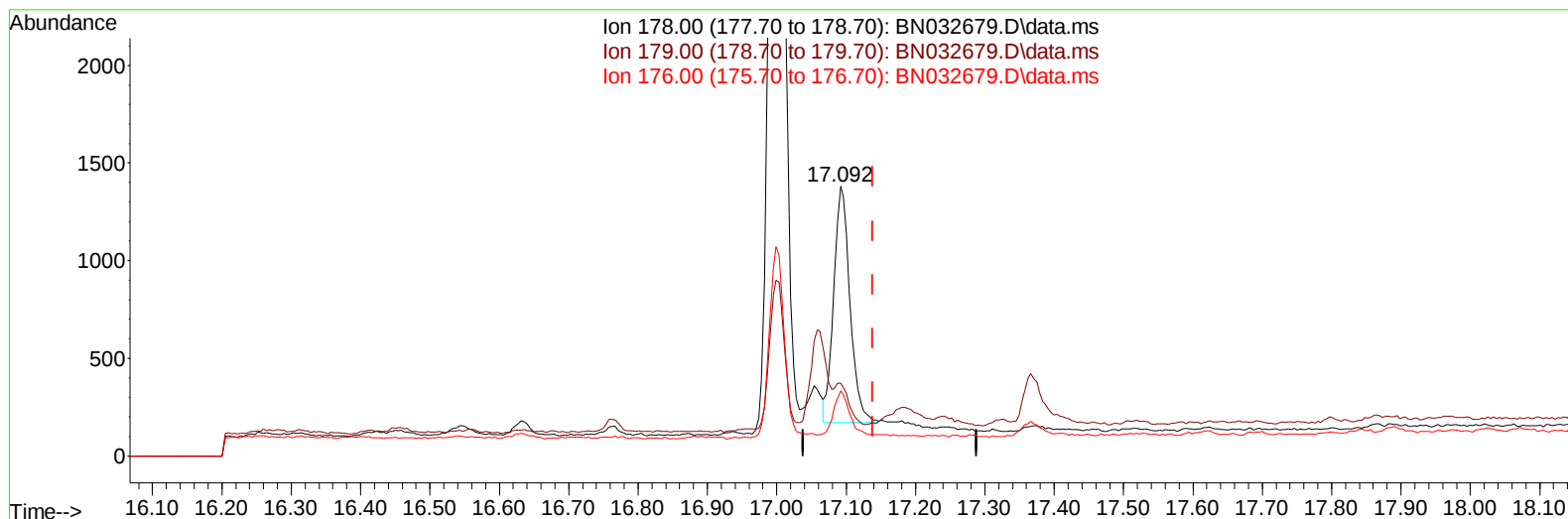
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(16) Anthracene

17.092min (-0.047) 0.07 ng/ul m

response 1979

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	26.96#
176.00	19.20	24.13#
0.00	0.00	0.00

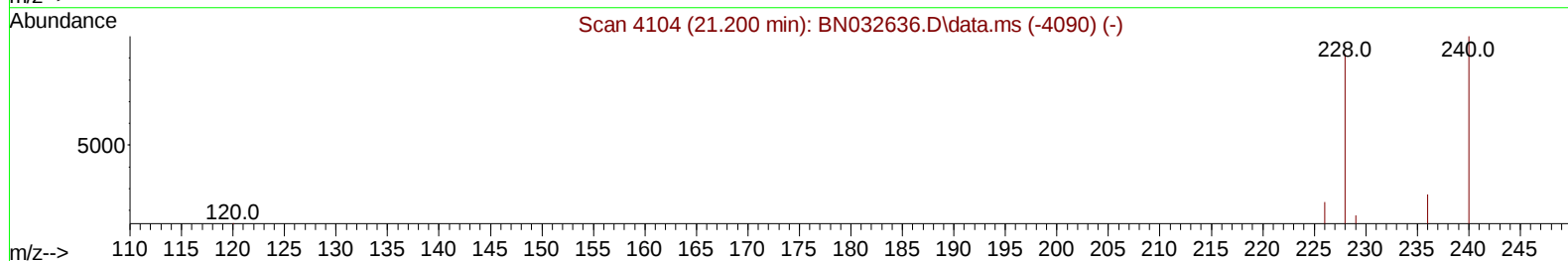
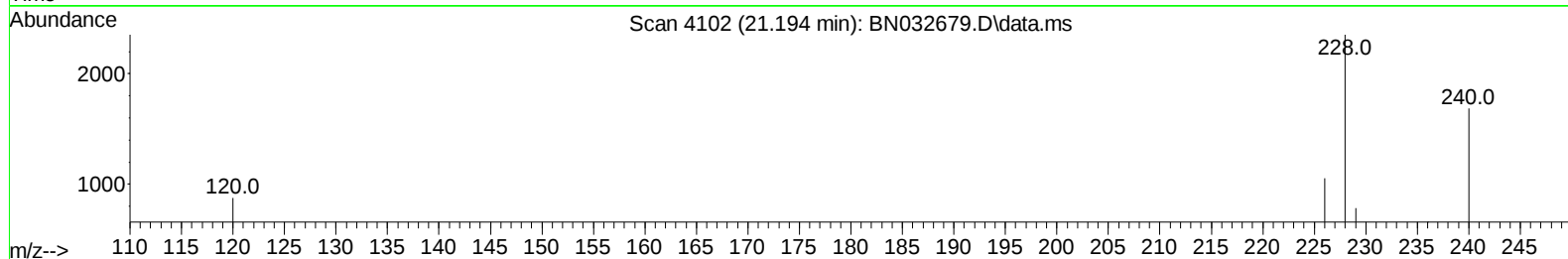
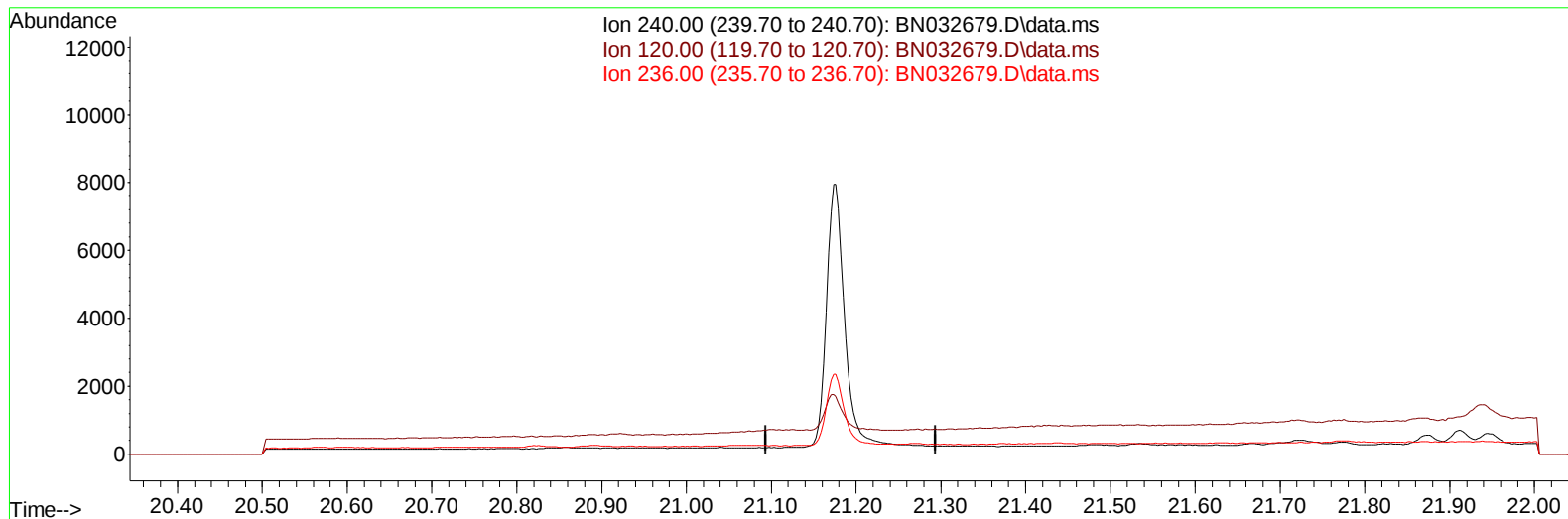
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 13 00:03:17 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: BN032679.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

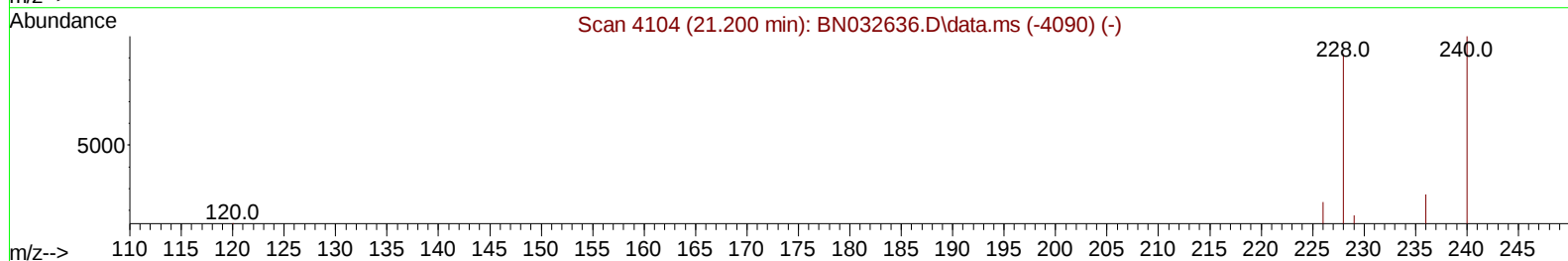
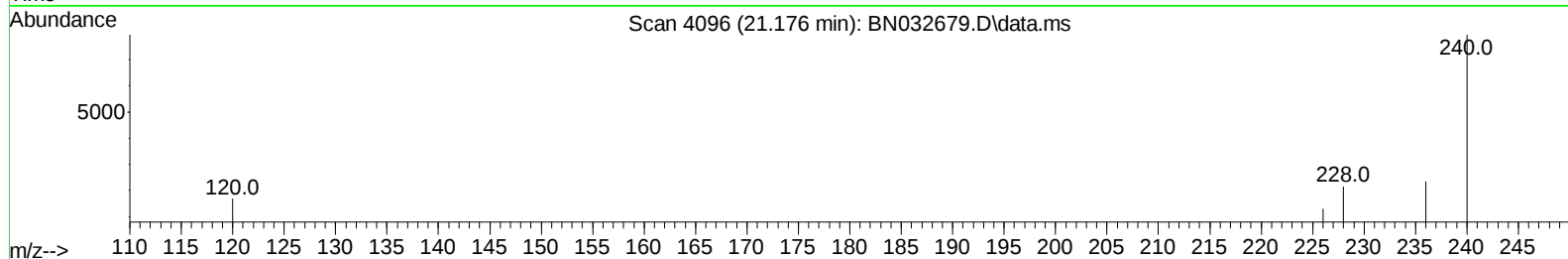
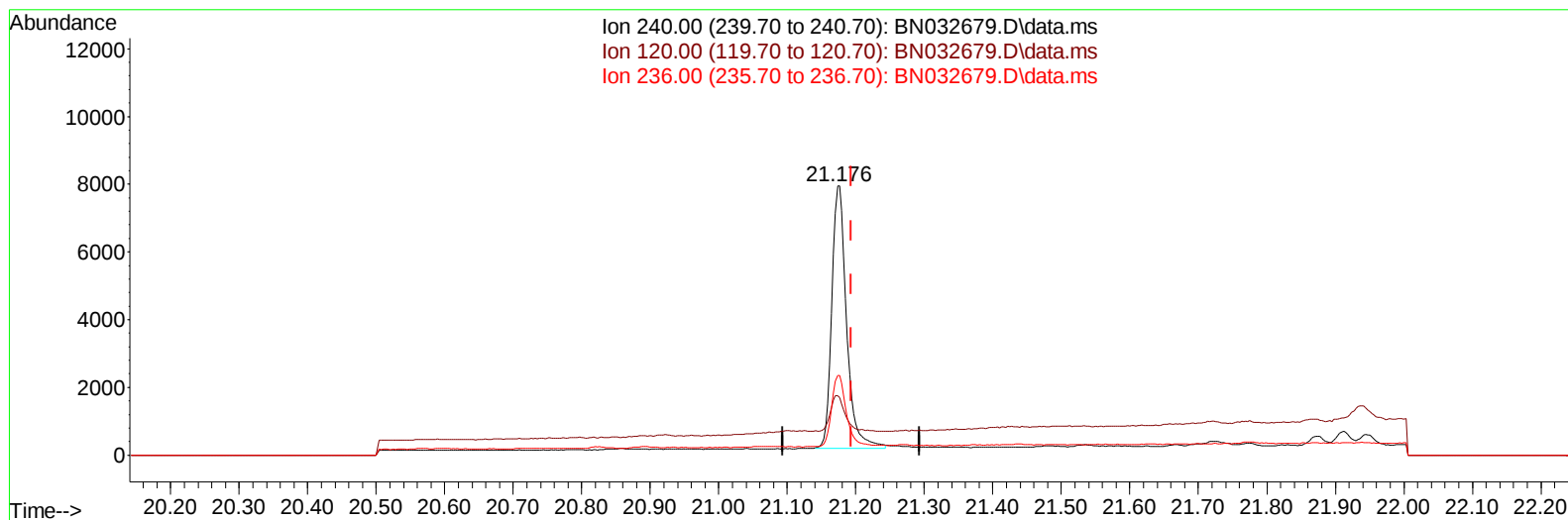
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(17) Chrysene-d12

21.176min (-0.018) 0.40 ng/ul m

response 11619

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.27
236.00	28.40	29.66
0.00	0.00	0.00

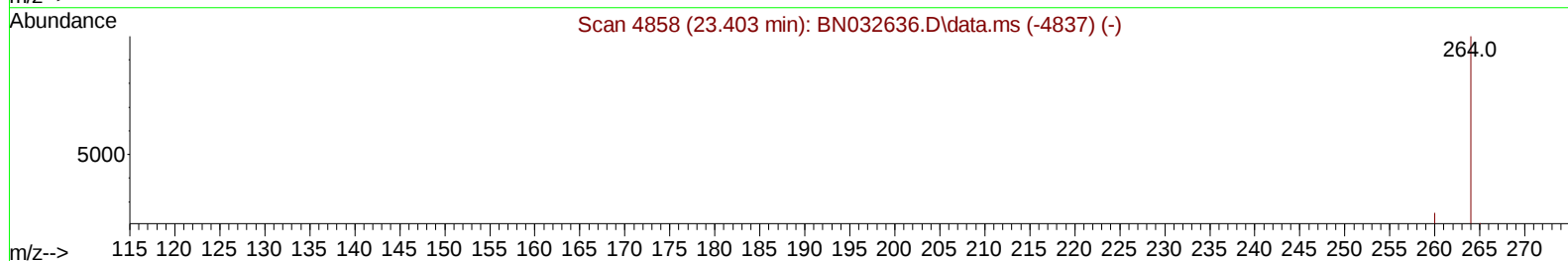
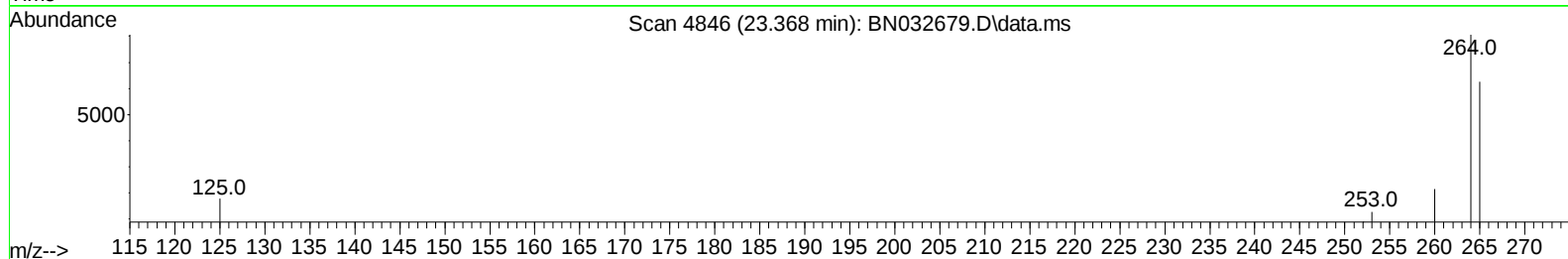
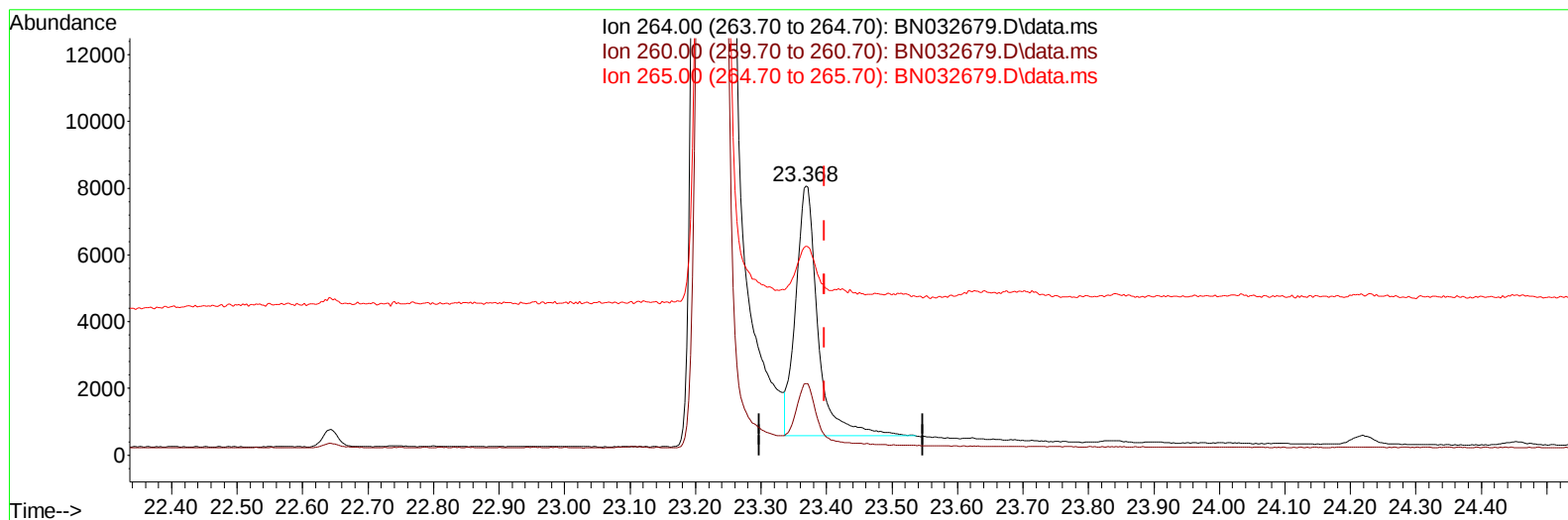
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 13 00:03:17 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: BN032679.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/u1

response 17500

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.63
265.00	95.50	77.73
0.00	0.00	0.00

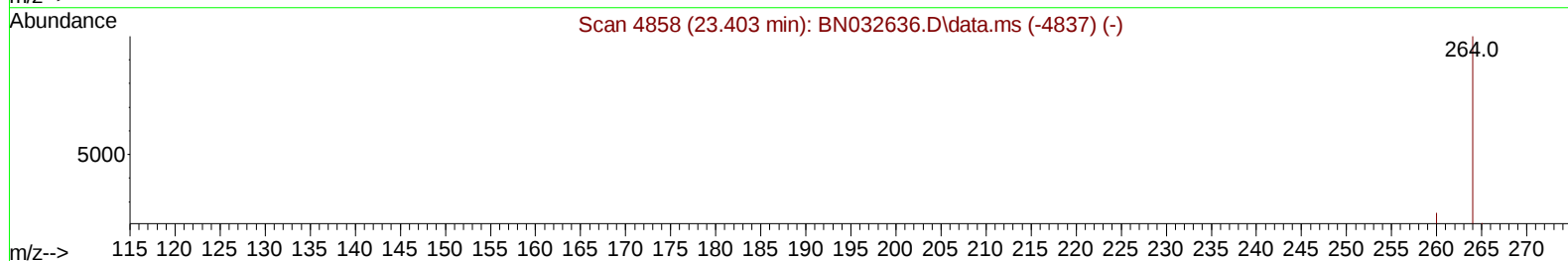
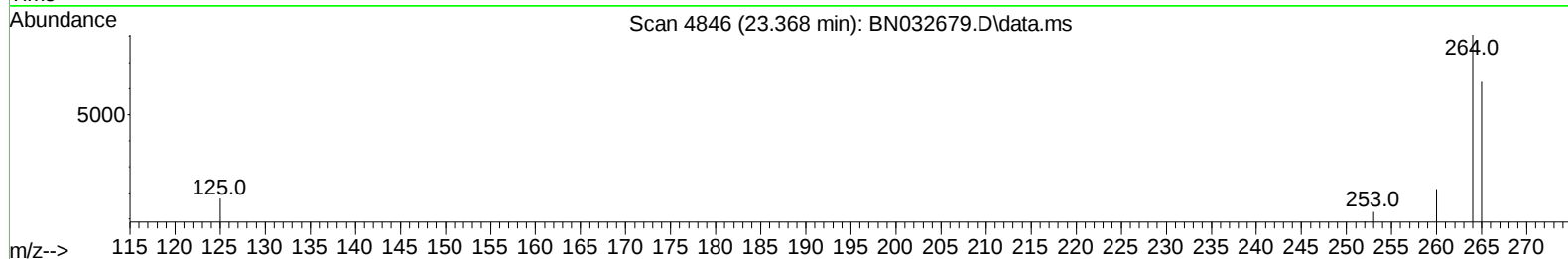
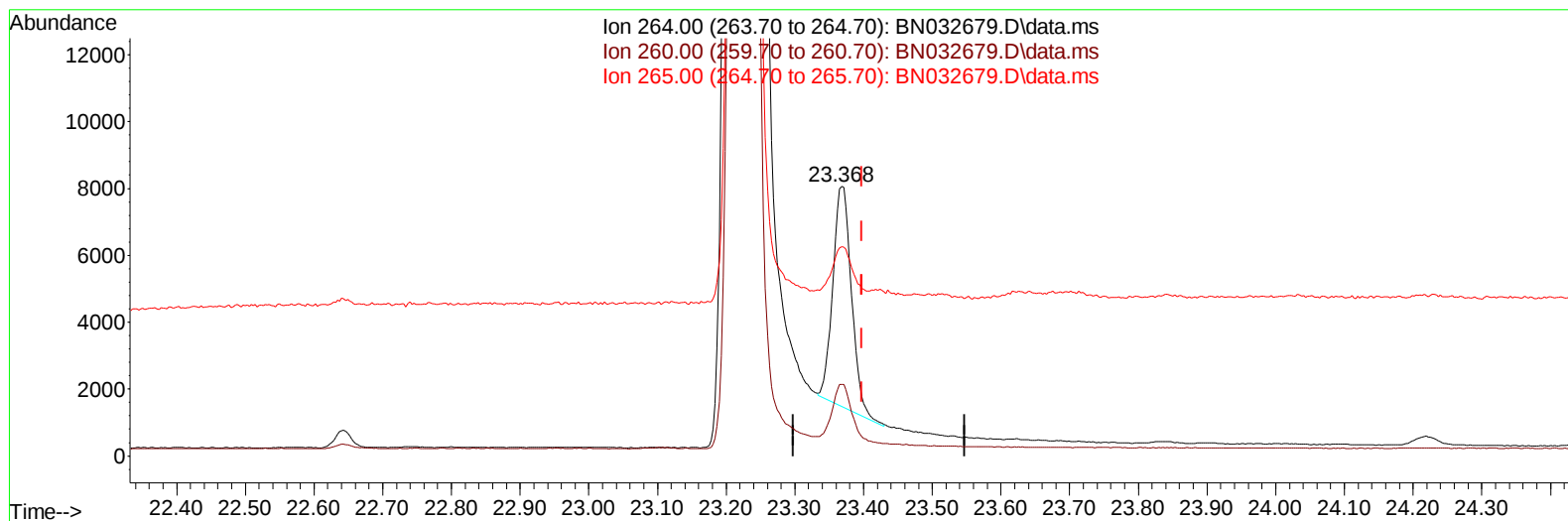
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/ul m

response 12352

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.63
265.00	95.50	77.73
0.00	0.00	0.00

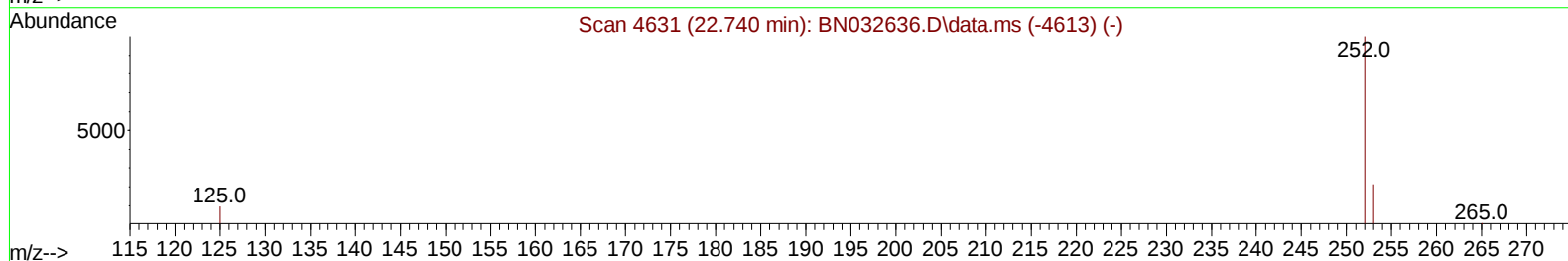
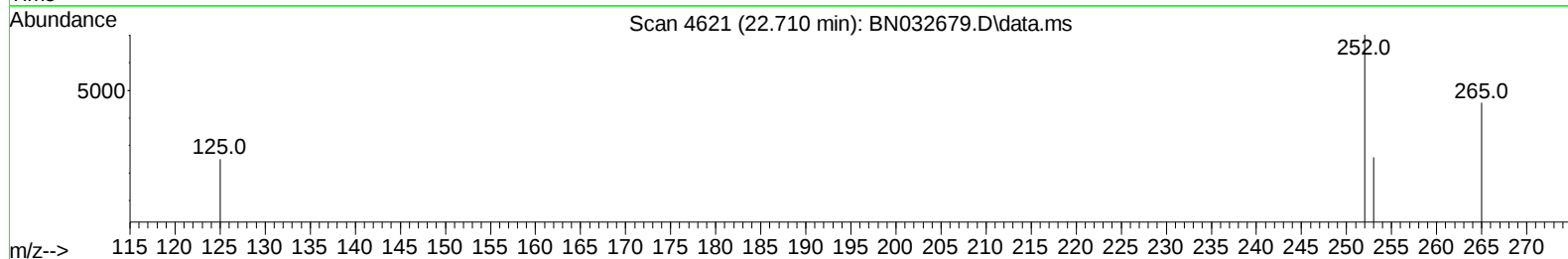
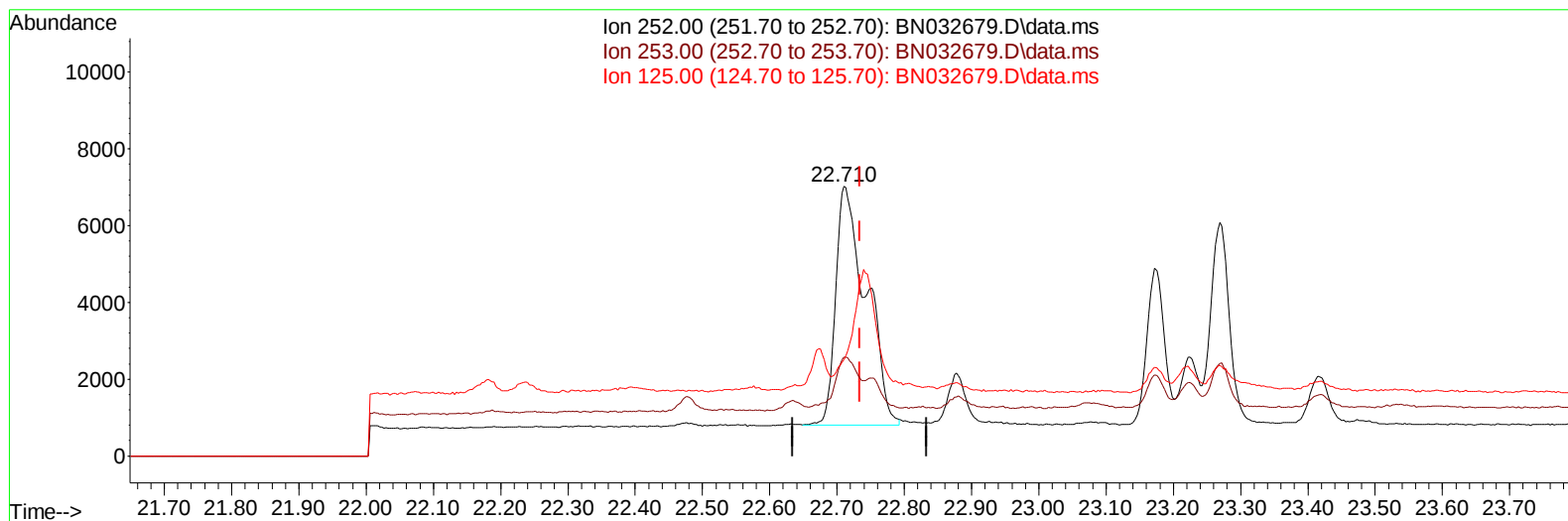
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

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TIC: BN032679.D\data.ms

(24) Benzo(b)fluoranthene

22.710min (-0.023) 0.45 ng/u1

response 19656

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	36.76
125.00	18.00	35.65
0.00	0.00	0.00

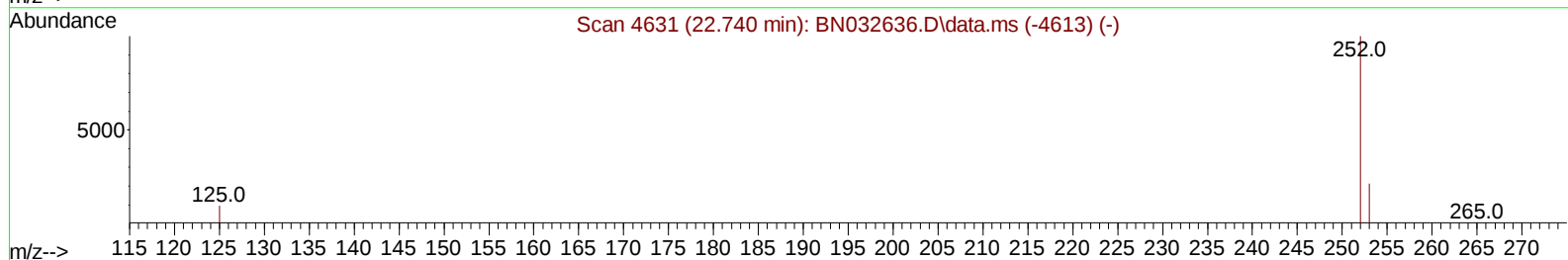
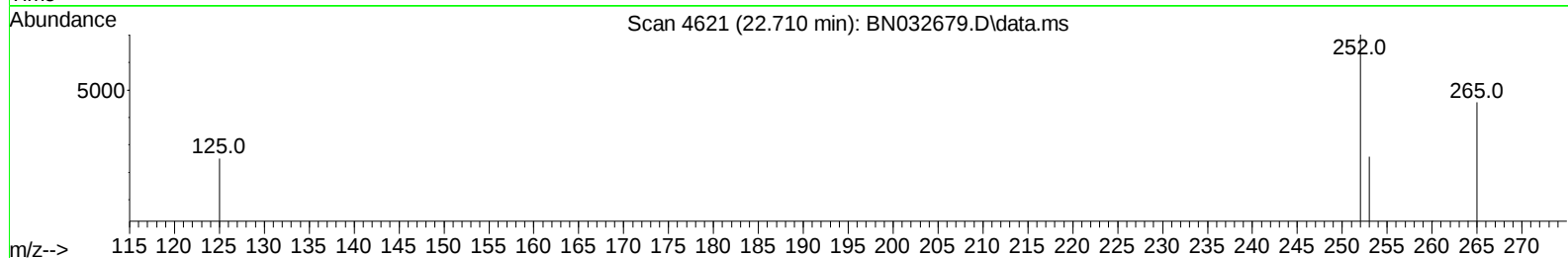
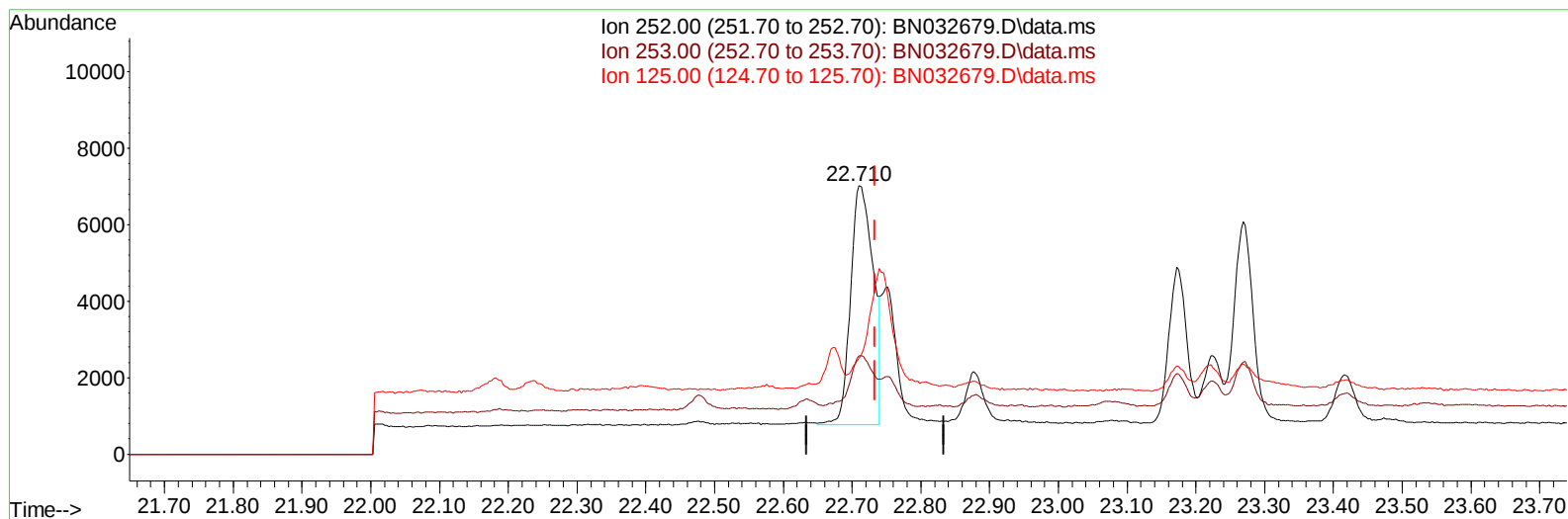
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(24) Benzo(b)fluoranthene

22.710min (-0.023) 0.33 ng/u1 m

response 14362

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	36.76
125.00	18.00	35.65
0.00	0.00	0.00

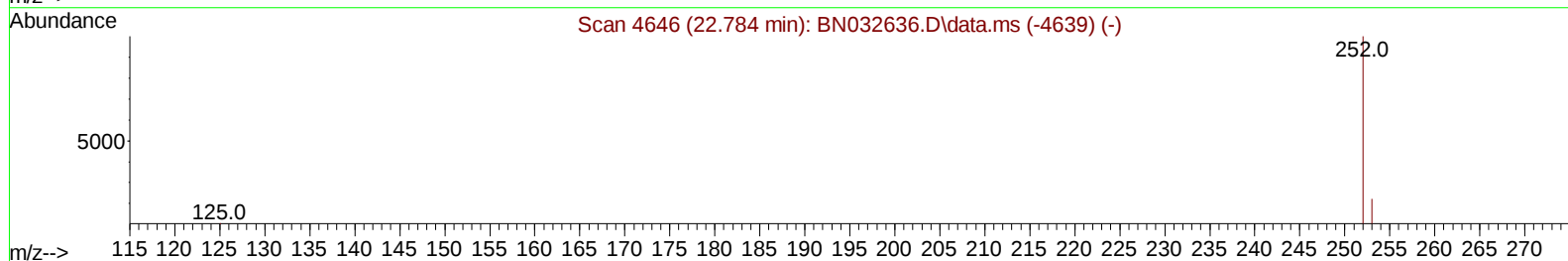
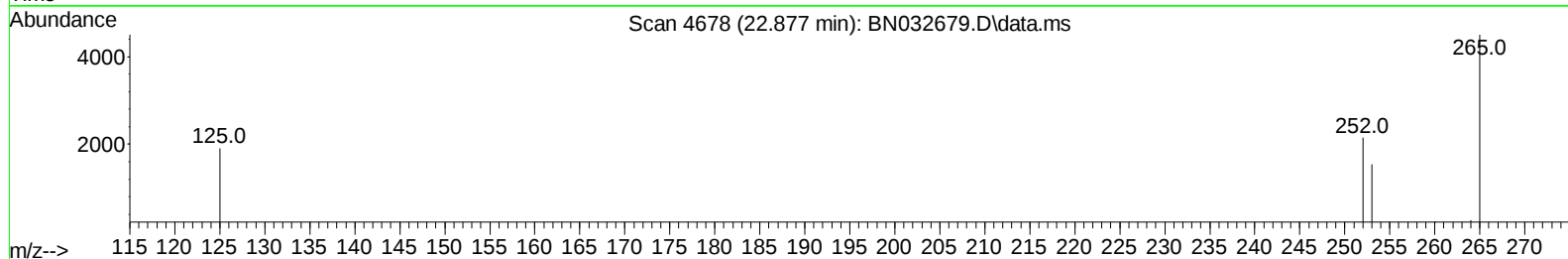
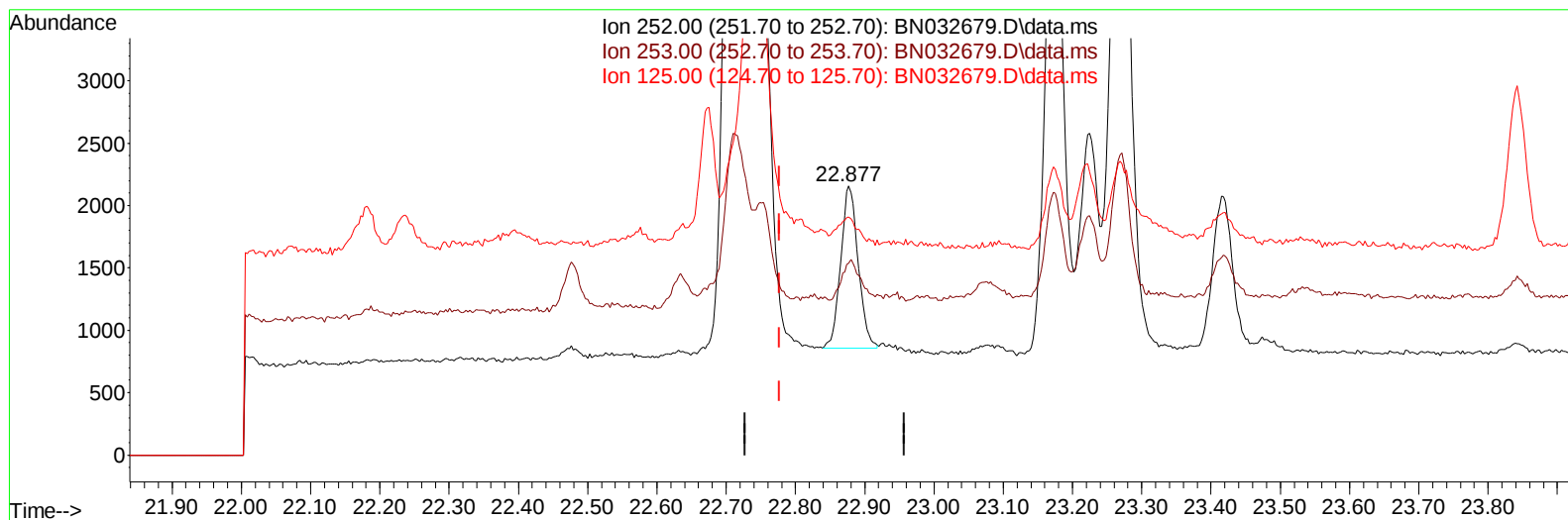
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032679.D
 Acq On : 12 Jul 2024 19:12
 Operator : MA/JU
 Sample : P3087-24
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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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Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(25) Benzo(k)fluoranthene

22.877min (+ 0.099) 0.04 ng/u1

response 2261

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	71.43#
125.00	18.50	88.64#
0.00	0.00	0.00

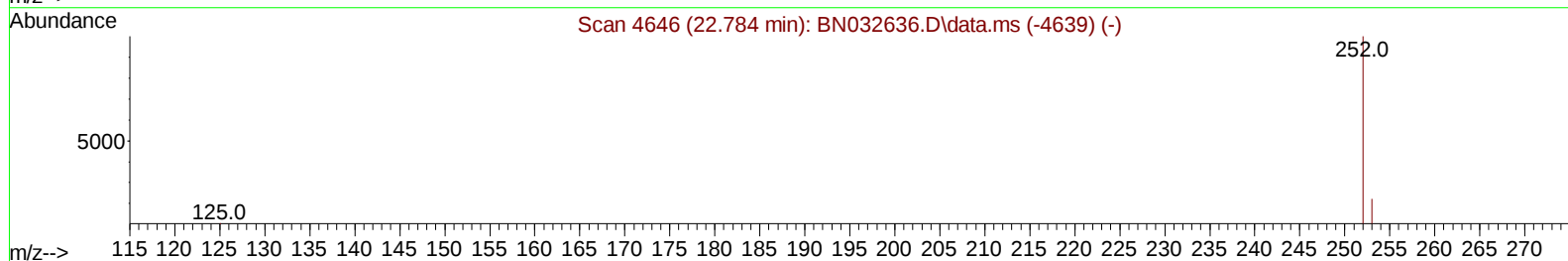
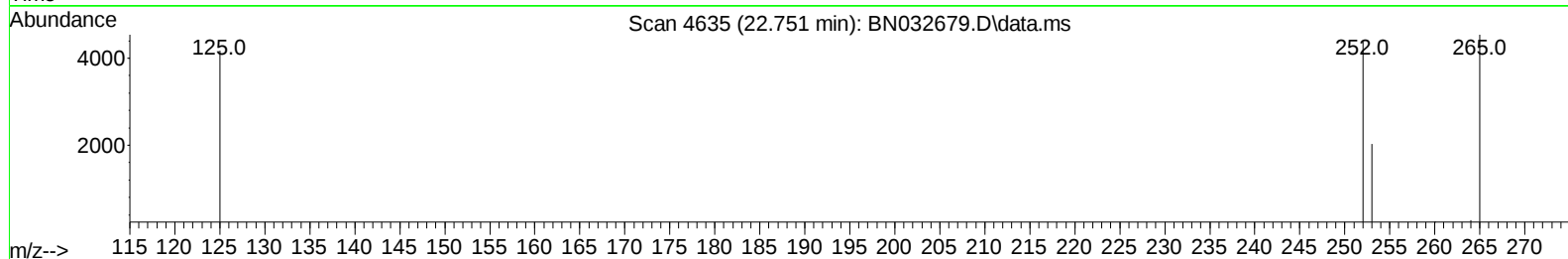
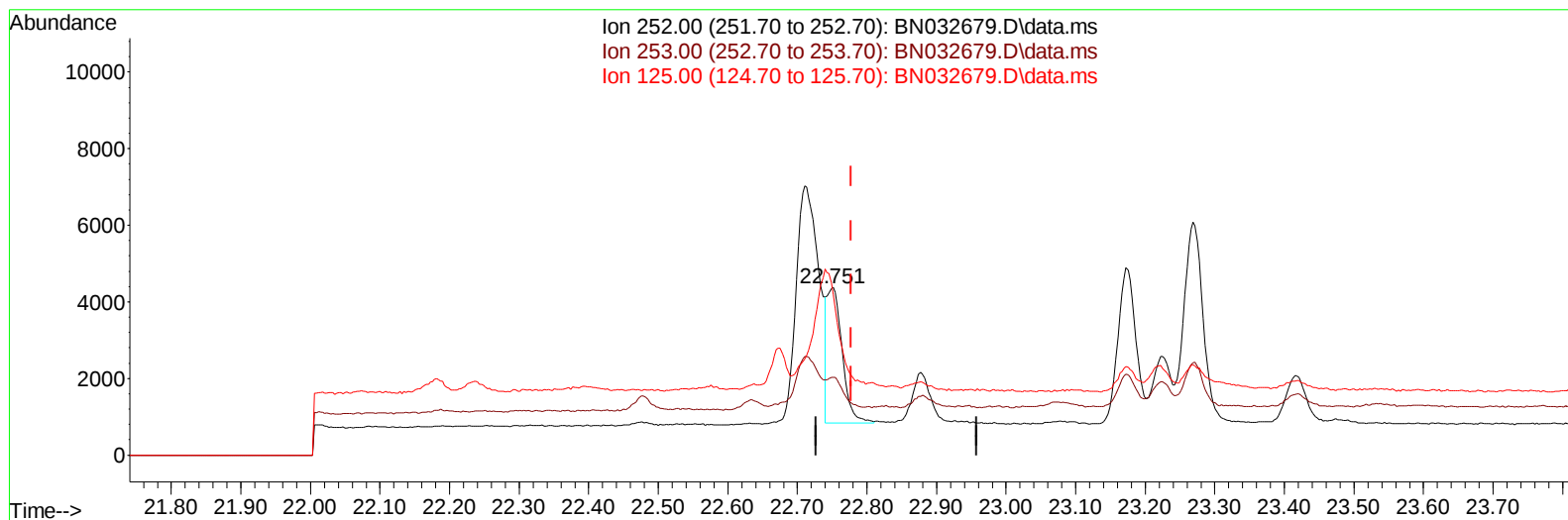
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032679.D
Acq On : 12 Jul 2024 19:12
Operator : MA/JU
Sample : P3087-24
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:17 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032679.D\data.ms

(25) Benzo(k)fluoranthene

22.751min (-0.026) 0.10 ng/u1 m

response 5391

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	46.23#
125.00	18.50	95.54#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
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 QLast Update : Fri Jul 12 01:40:24 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152		4633	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136		13624	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164		7136	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.961	188		13538m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.176	240		11619m	0.400	ng/ul	-0.02
23) Perylene-d12	23.368	264		12352m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.101	96		21808	3.920	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152		4960	0.241	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212		9109	0.241	ng/ul	-0.03
Target Compounds							
							Qvalue
10) Acenaphthylene	13.920	152		1966	0.068	ng/ul#	85
15) Phenanthrene	16.999	178		7677m	0.208	ng/ul	
16) Anthracene	17.092	178		1979m	0.066	ng/ul	
19) Fluoranthene	19.031	202		18581	0.393	ng/ul	98
20) Pyrene	19.394	202		18566	0.380	ng/ul	98
21) Benzo(a)anthracene	21.159	228		9957	0.269	ng/ul#	89
22) Chrysene	21.211	228		9020	0.169	ng/ul#	91
24) Benzo(b)fluoranthene	22.710	252		14362m	0.330	ng/ul	
25) Benzo(k)fluoranthene	22.751	252		5391m	0.102	ng/ul	
26) Benzo(a)pyrene	23.269	252		9986	0.265	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.582	276		7864	0.154	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.576	278		1844	0.047	ng/ul#	1
29) Benzo(g,h,i)perylene	26.256	276		7790	0.183	ng/ul#	82

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

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