

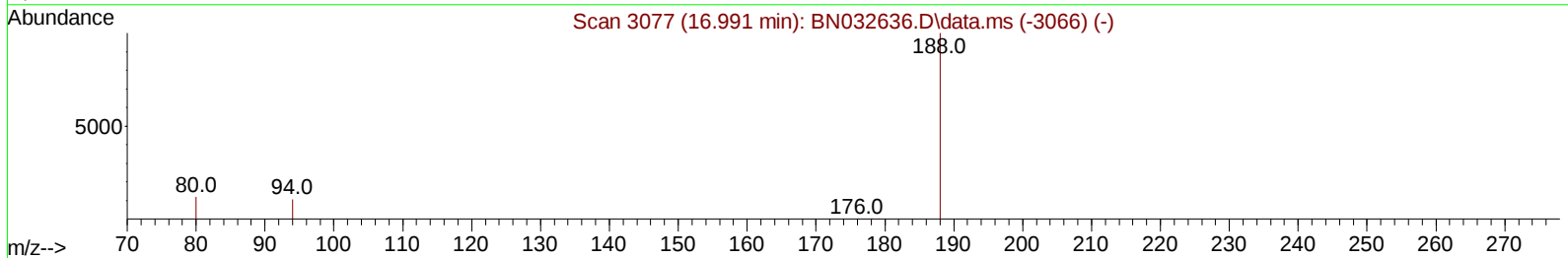
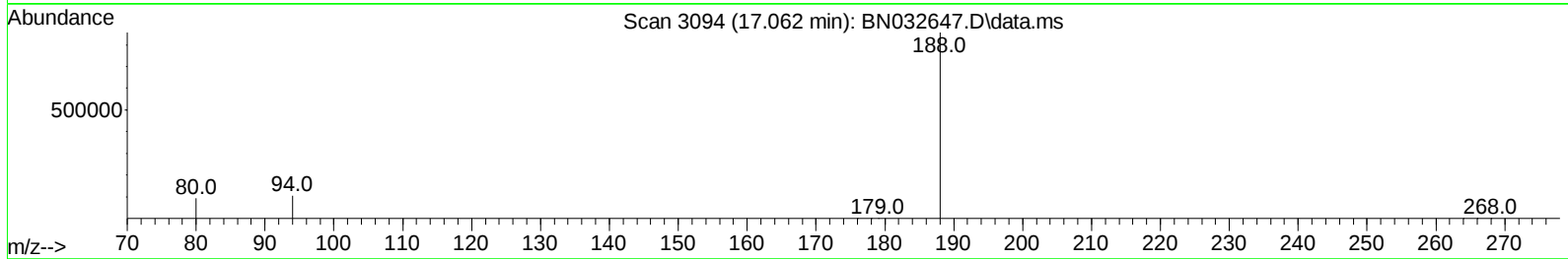
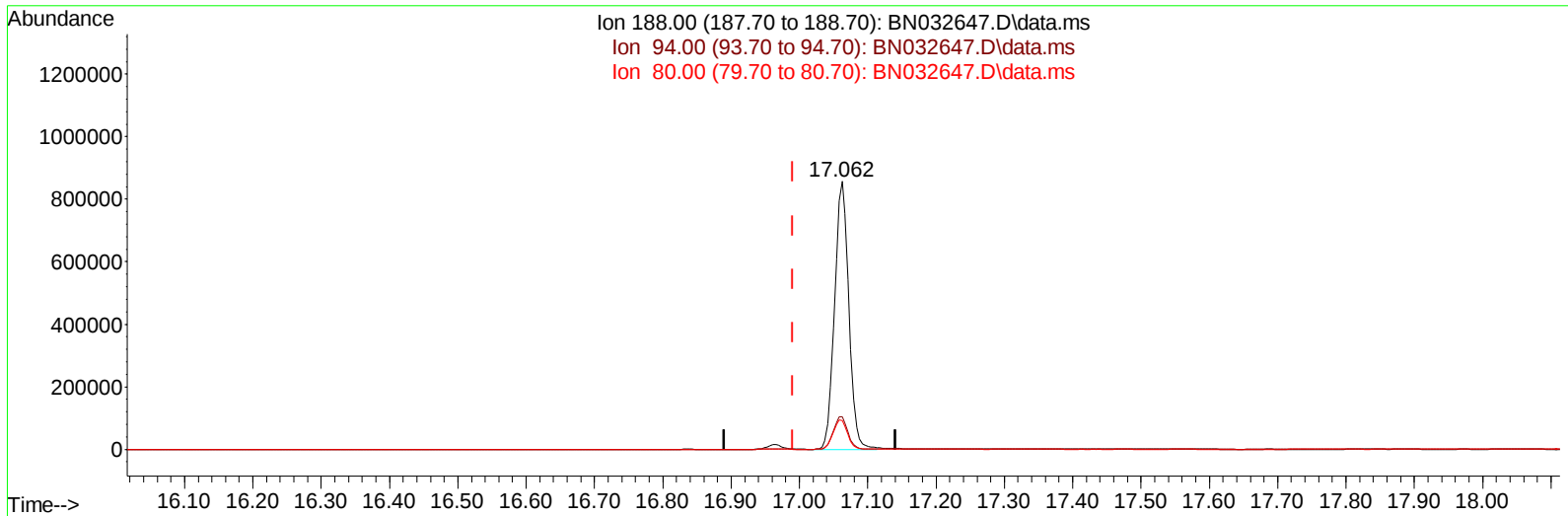
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(13) Phenanthrene-d10 (I)

17.062min (+ 0.072) 0.40 ng/u1

response 1240972

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.06
80.00	12.00	10.76
0.00	0.00	0.00

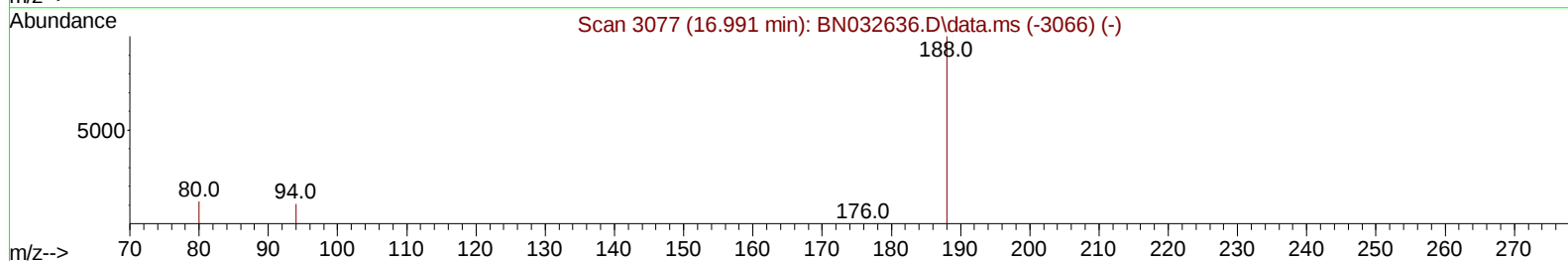
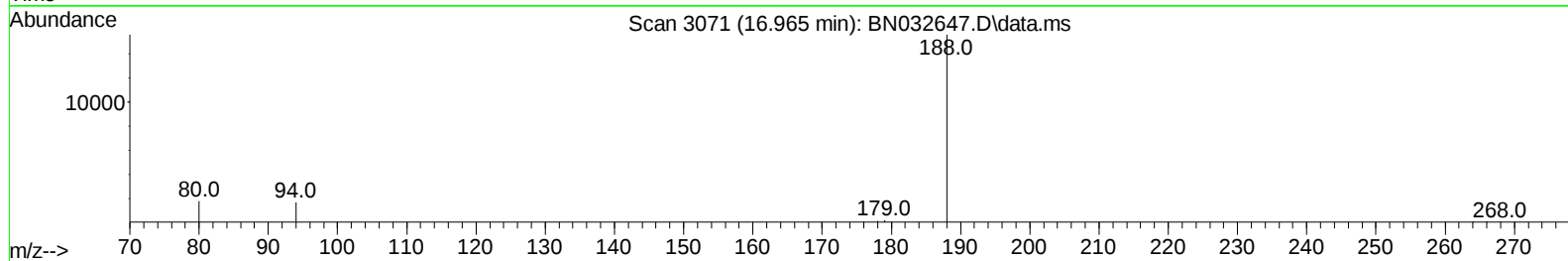
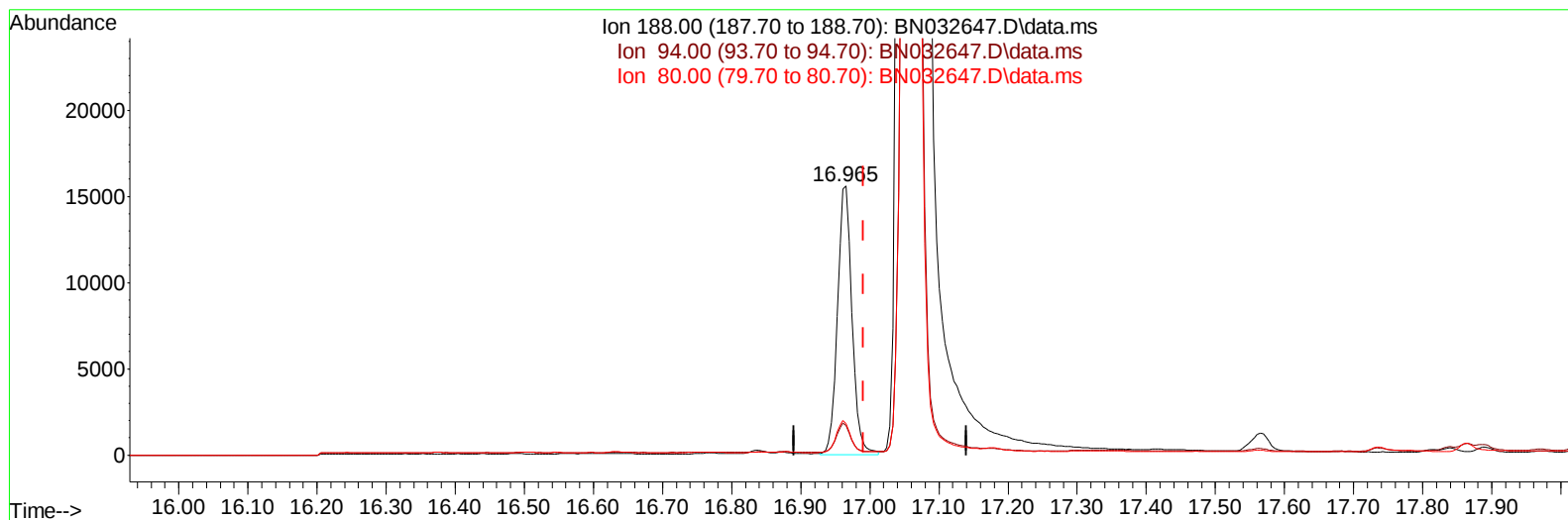
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(13) Phenanthrene-d10 (I)

16.965min (-0.025) 0.40 ng/ul m

response 22648

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	10.87
80.00	12.00	11.62
0.00	0.00	0.00

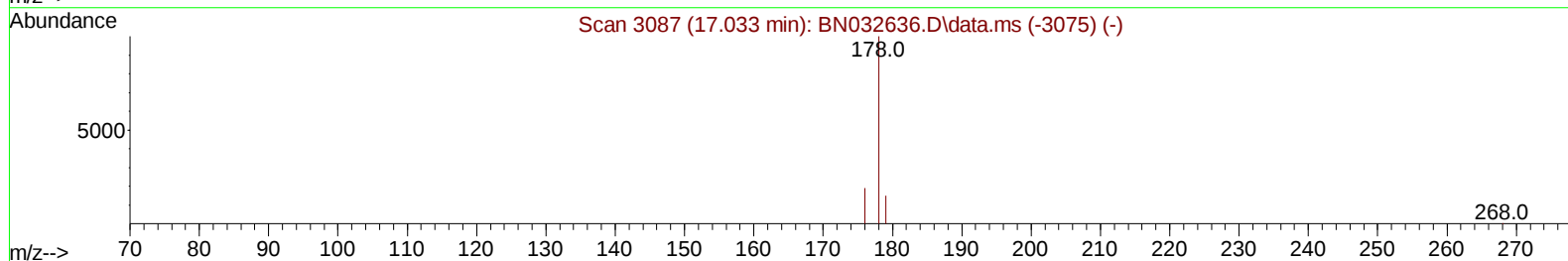
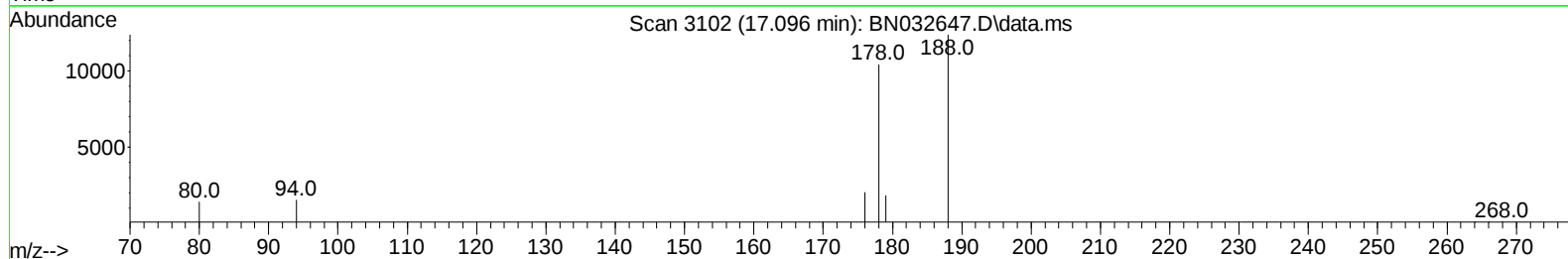
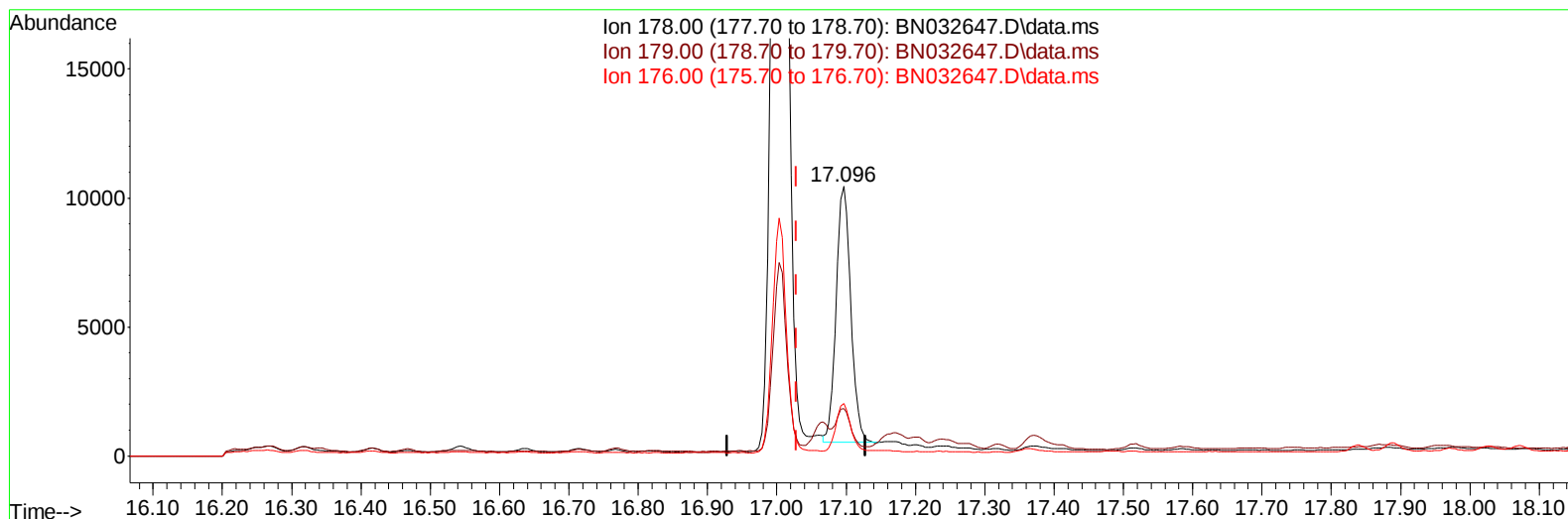
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(15) Phenanthrene

17.096min (+ 0.068) 0.24 ng/u1

response 14555

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.52
176.00	19.50	19.35
0.00	0.00	0.00

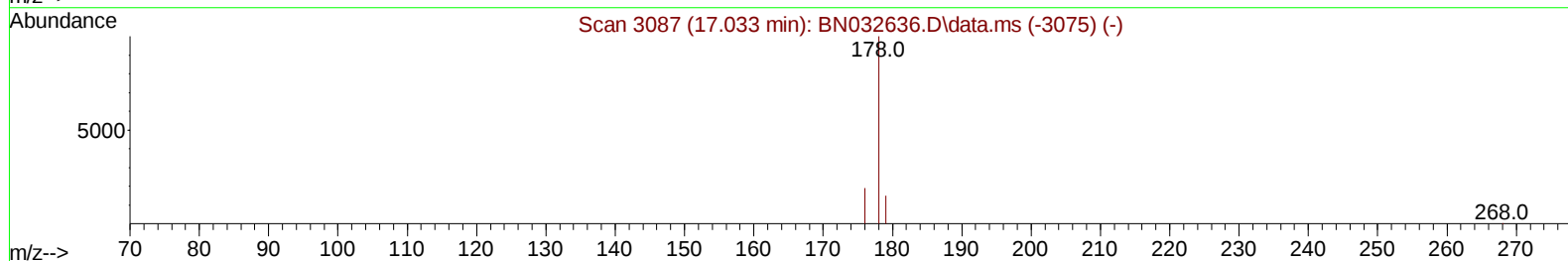
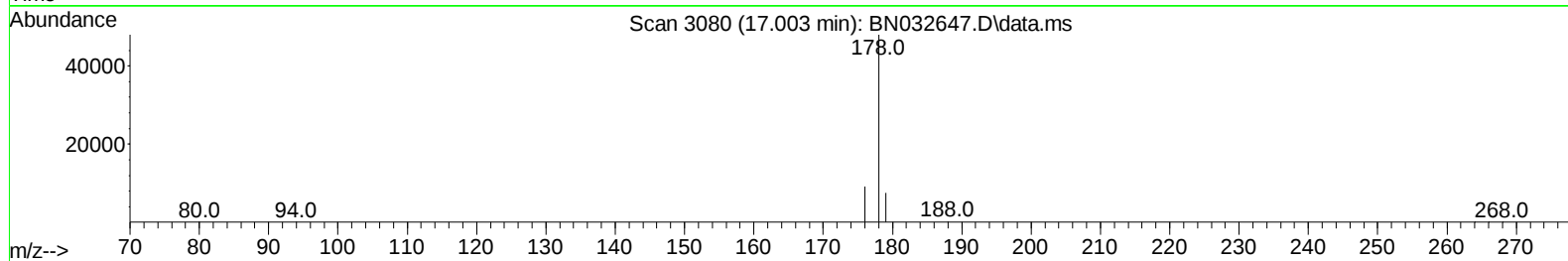
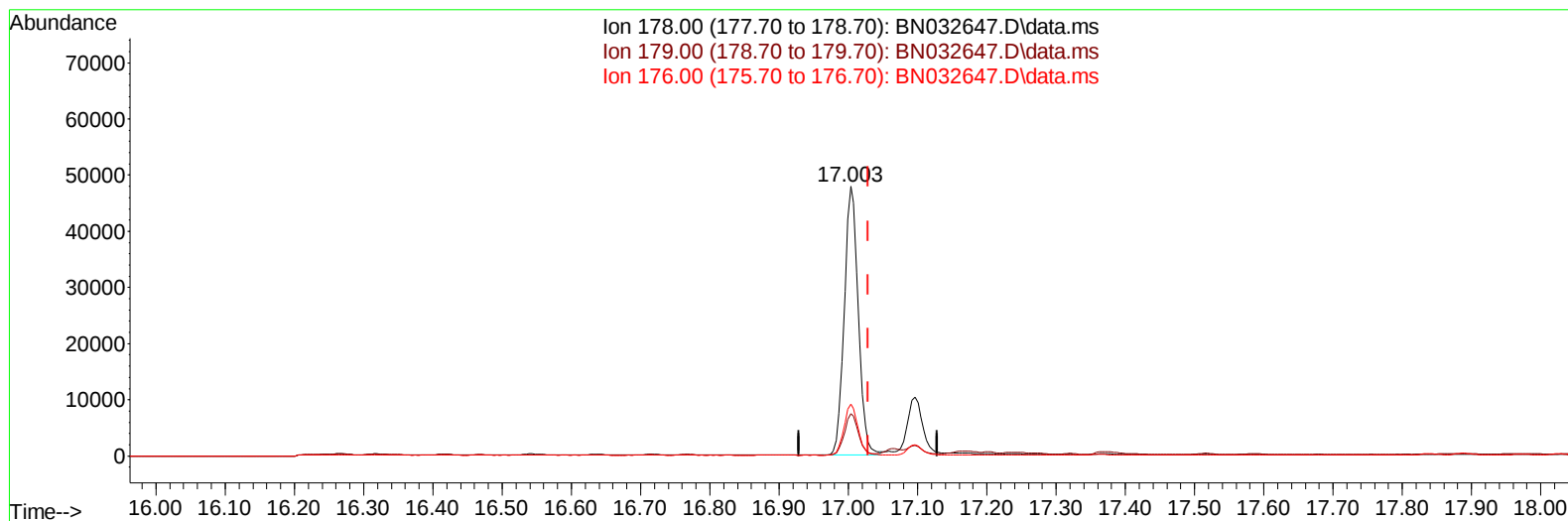
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(15) Phenanthrene

17.003min (-0.025) 1.09 ng/ul m

response 67213

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.65
176.00	19.50	19.20
0.00	0.00	0.00

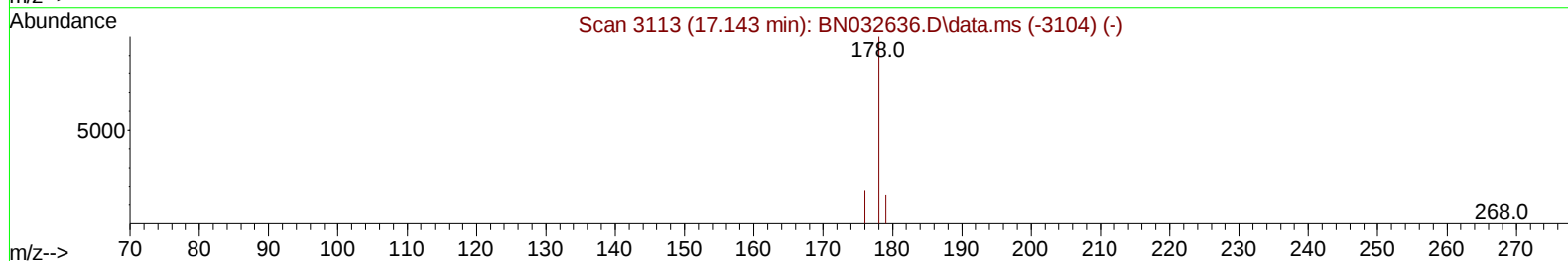
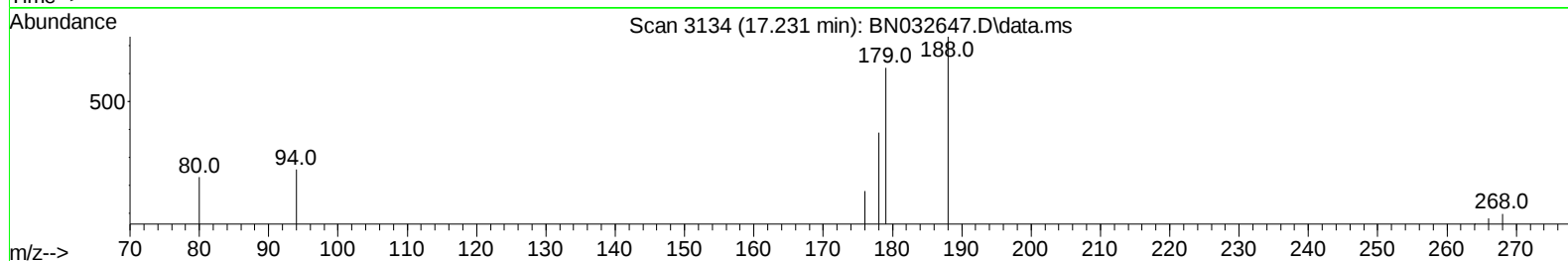
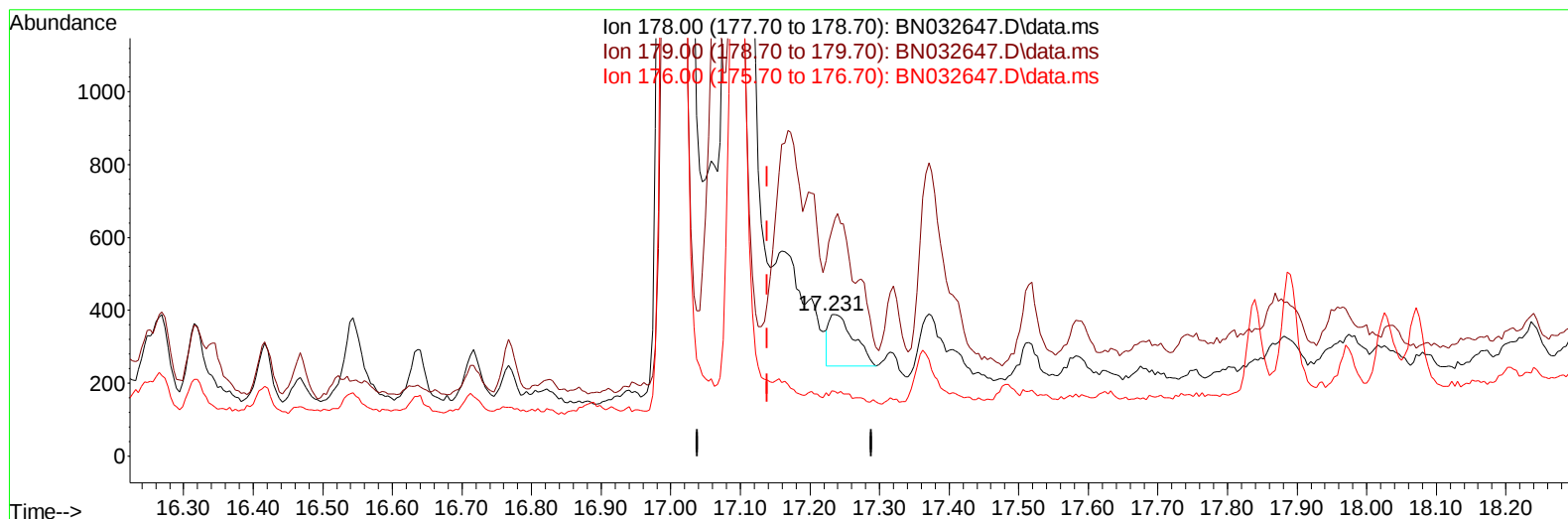
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(16) Anthracene

17.231min (+ 0.093) 0.01 ng/u1

response 350

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	159.79#
176.00	19.20	46.13#
0.00	0.00	0.00

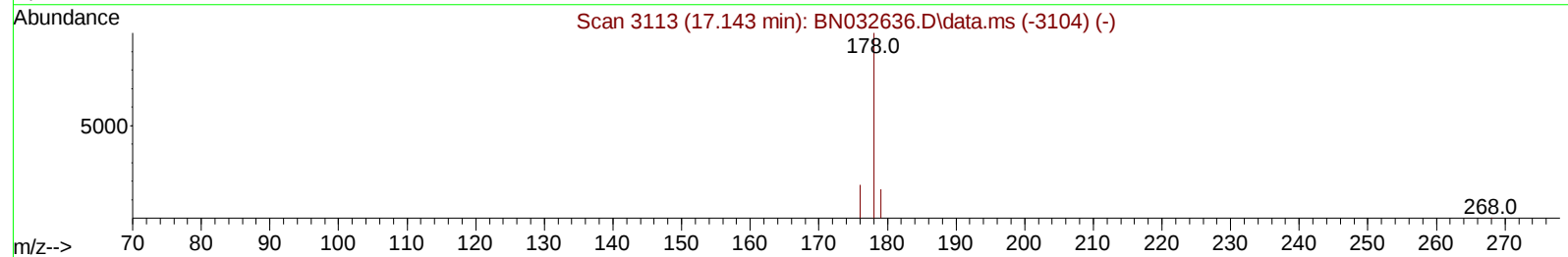
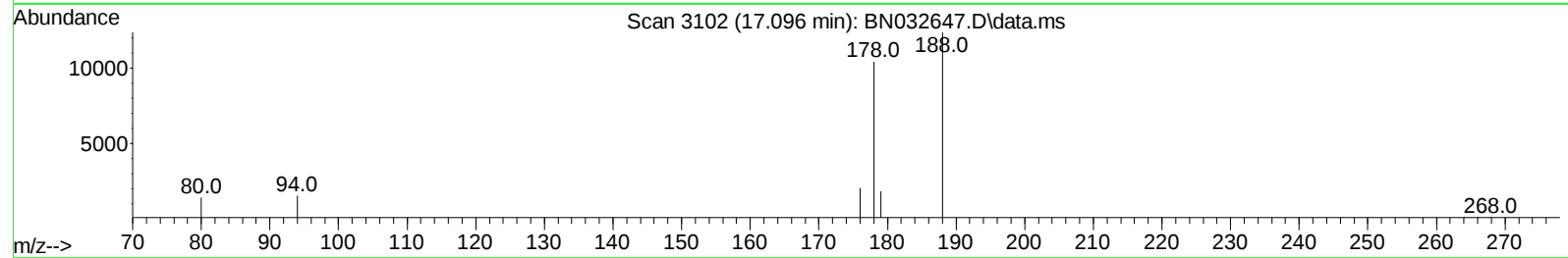
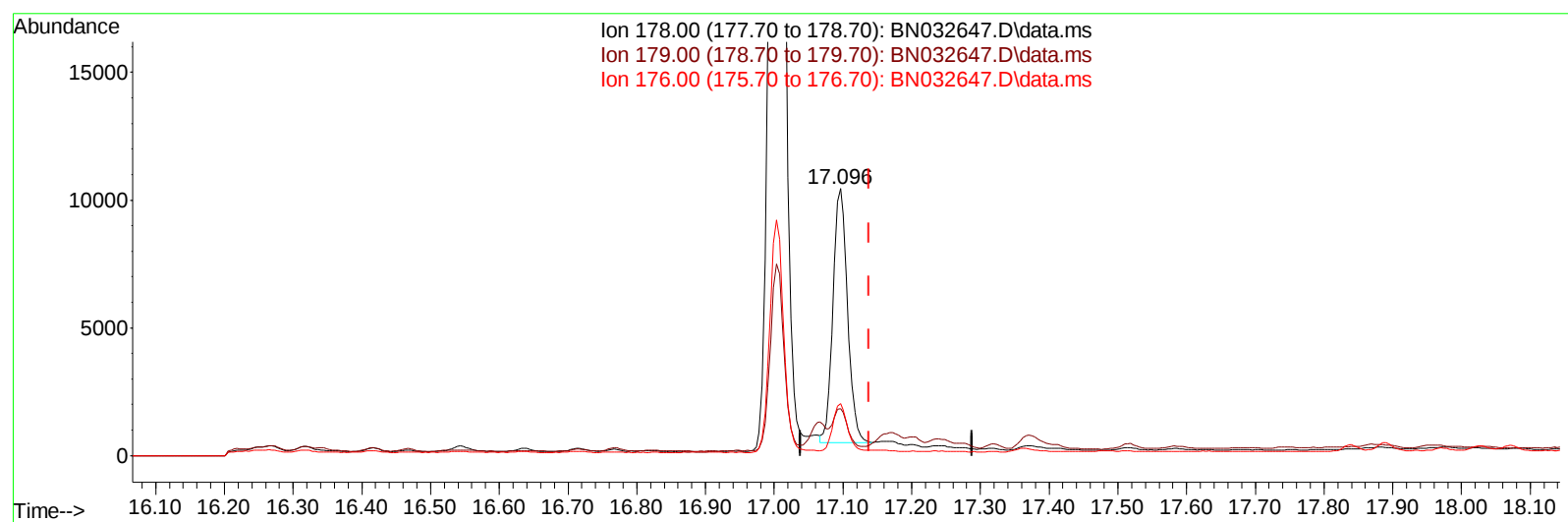
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(16) Anthracene

17.096min (-0.042) 0.29 ng/u1 m

response 14639

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.52
176.00	19.20	19.35
0.00	0.00	0.00

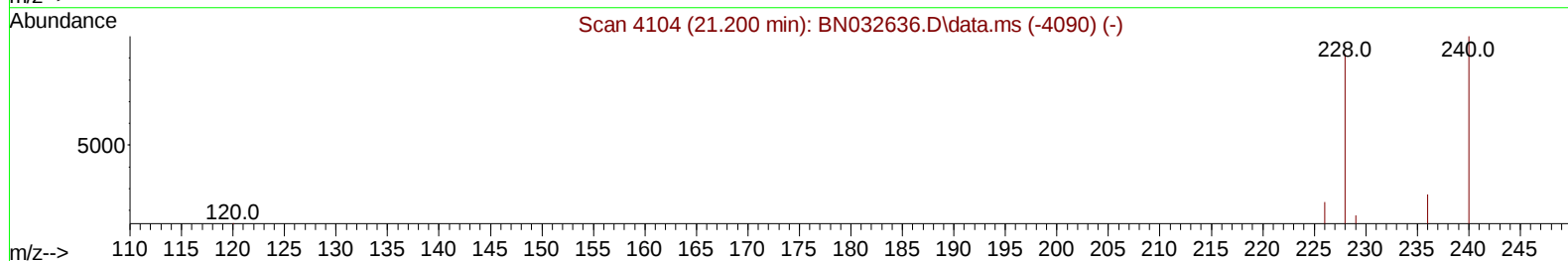
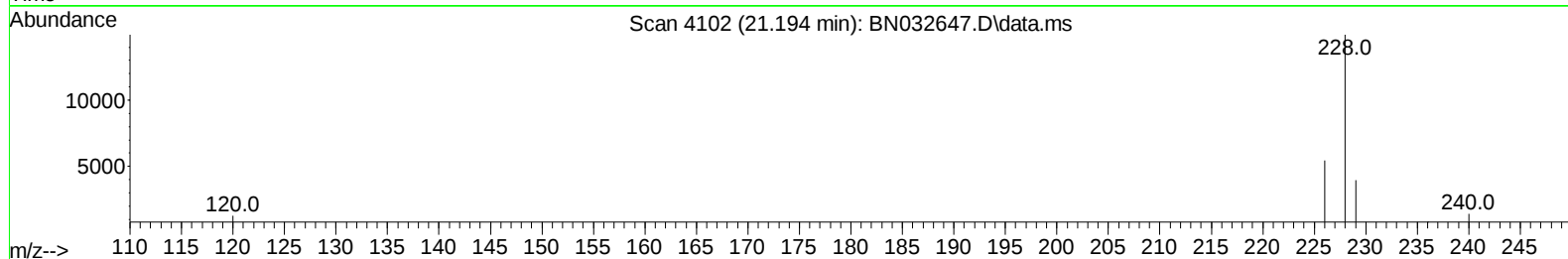
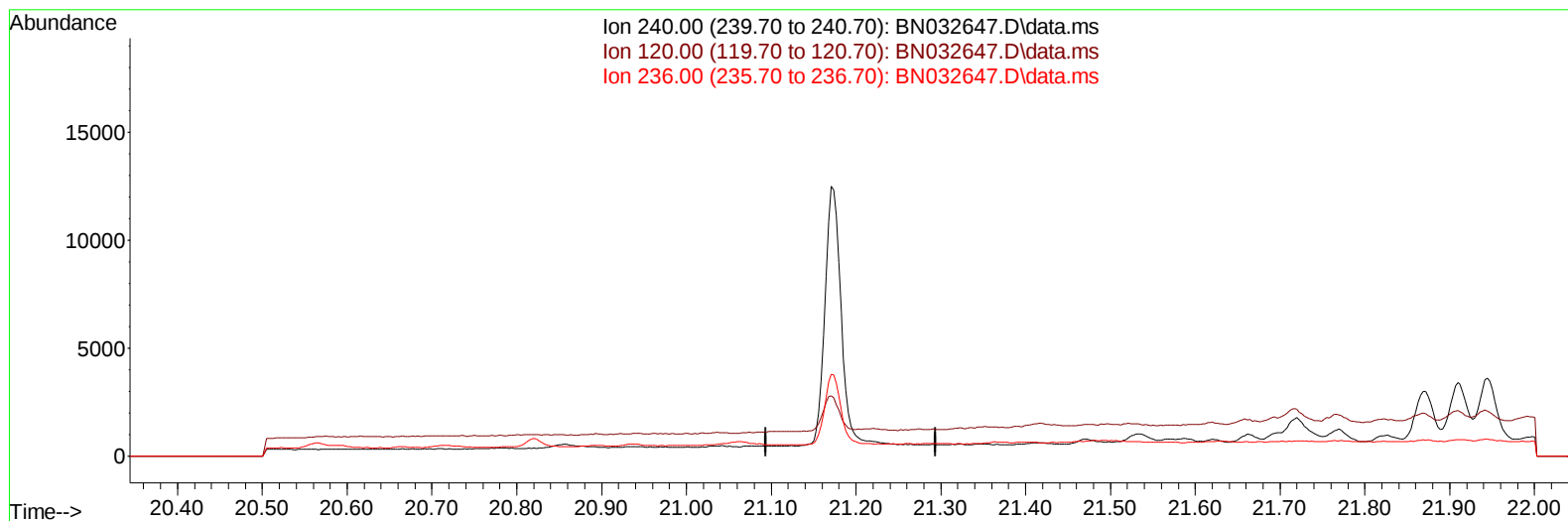
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:56:42 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: BN032647.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

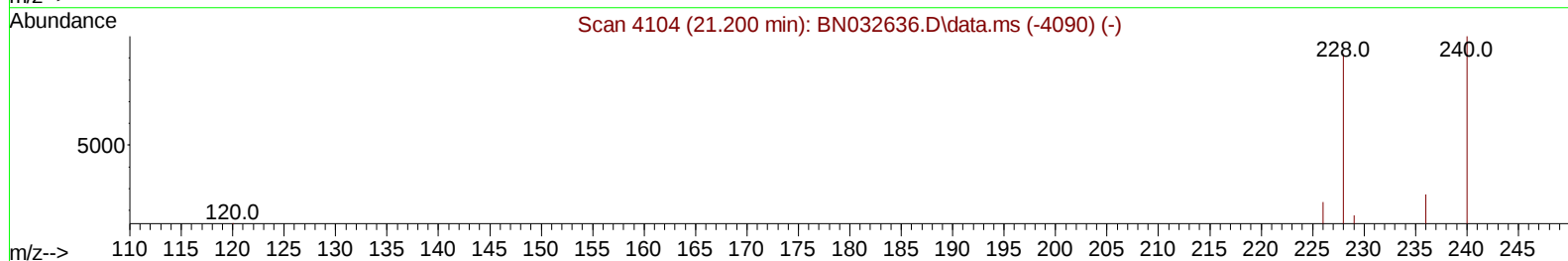
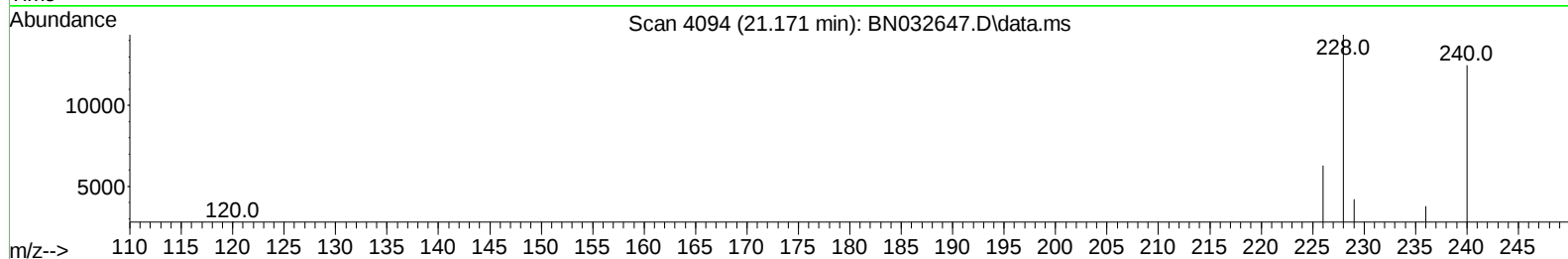
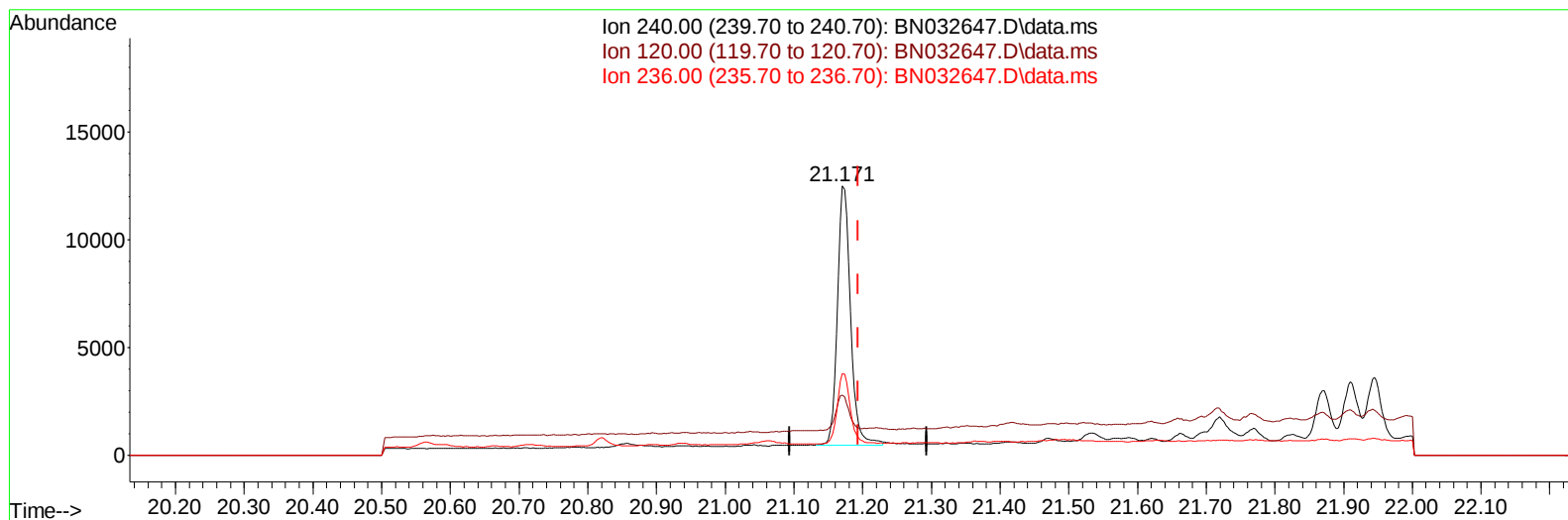
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(17) Chrysene-d12

21.171min (-0.023) 0.40 ng/ul m

response 16010

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.41#
236.00	28.40	30.43
0.00	0.00	0.00

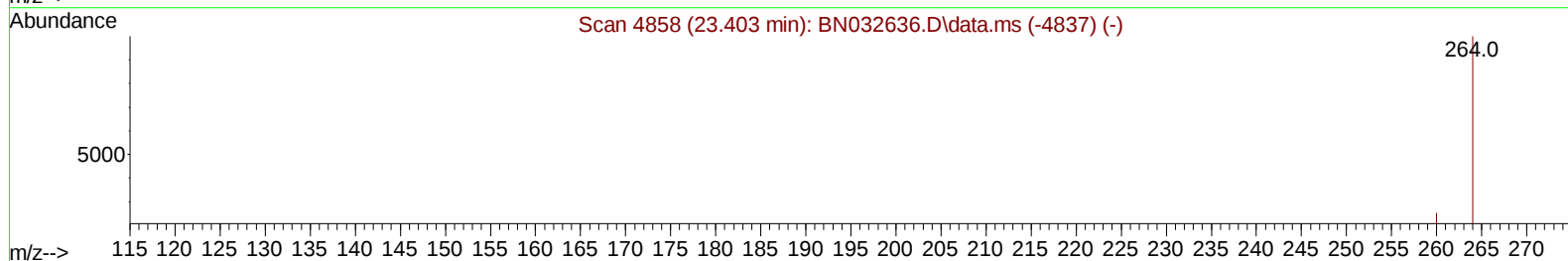
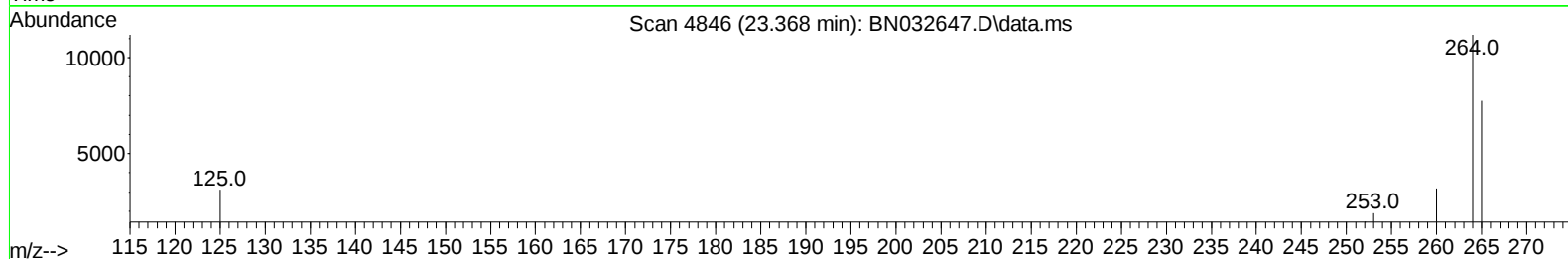
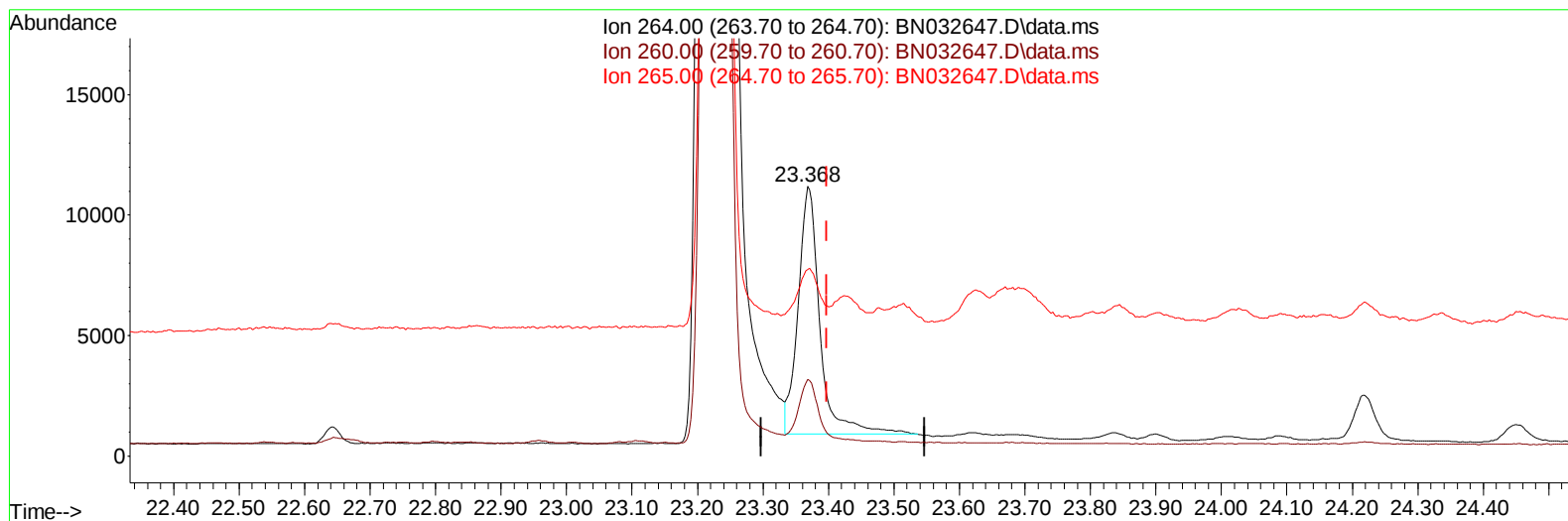
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032647.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/u1

response 23914

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.47
265.00	95.50	69.20#
0.00	0.00	0.00

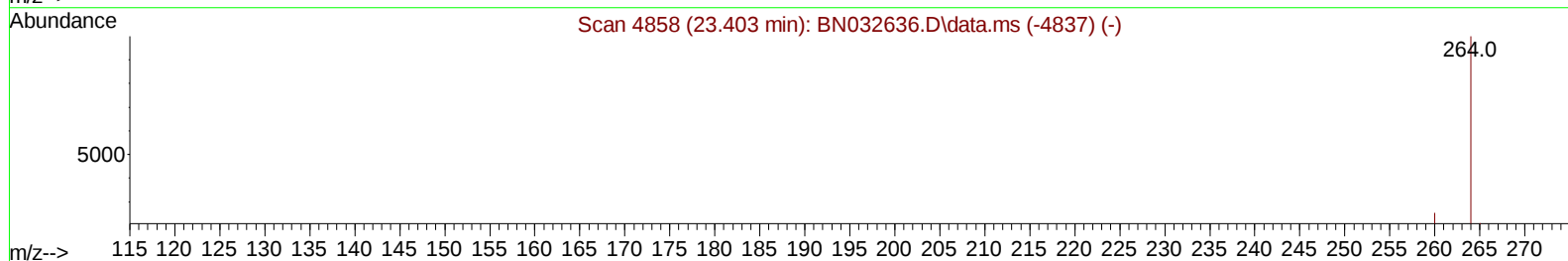
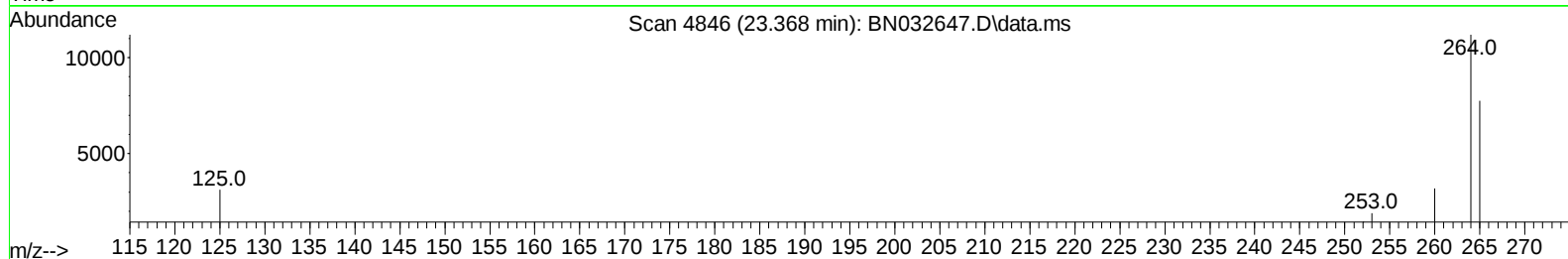
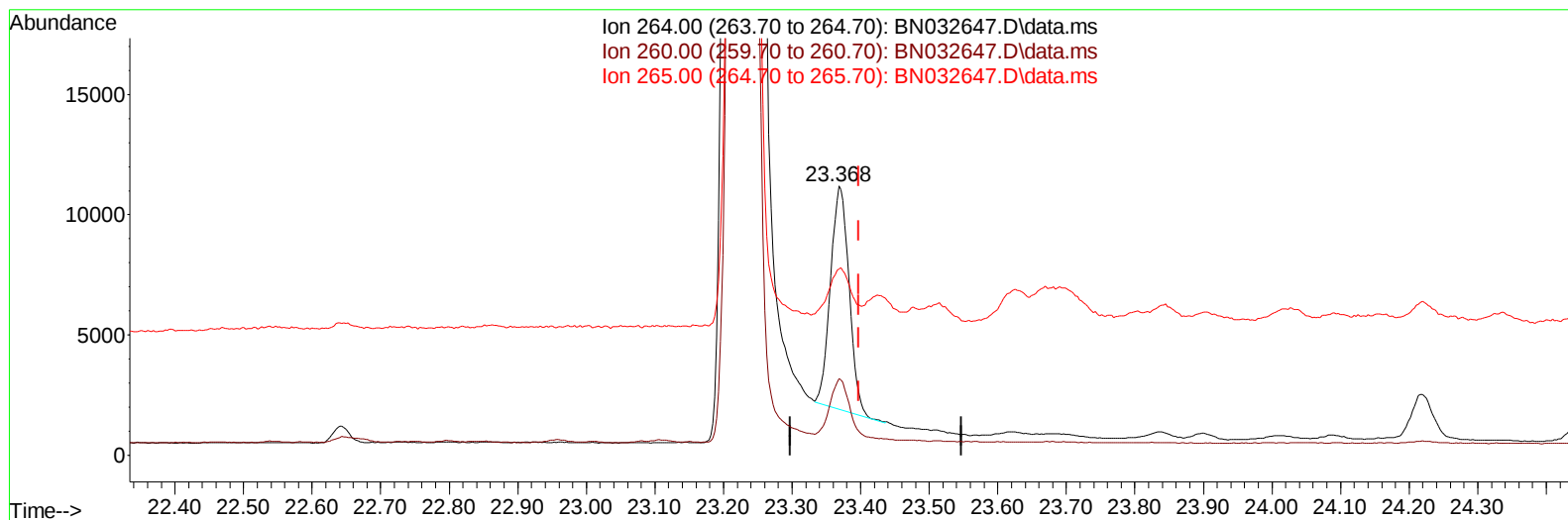
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032647.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/ul m

response 17439

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.47
265.00	95.50	69.20#
0.00	0.00	0.00

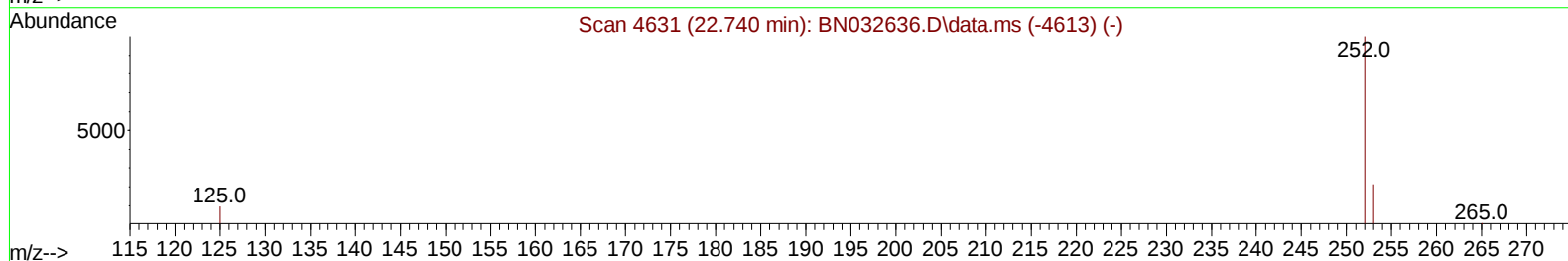
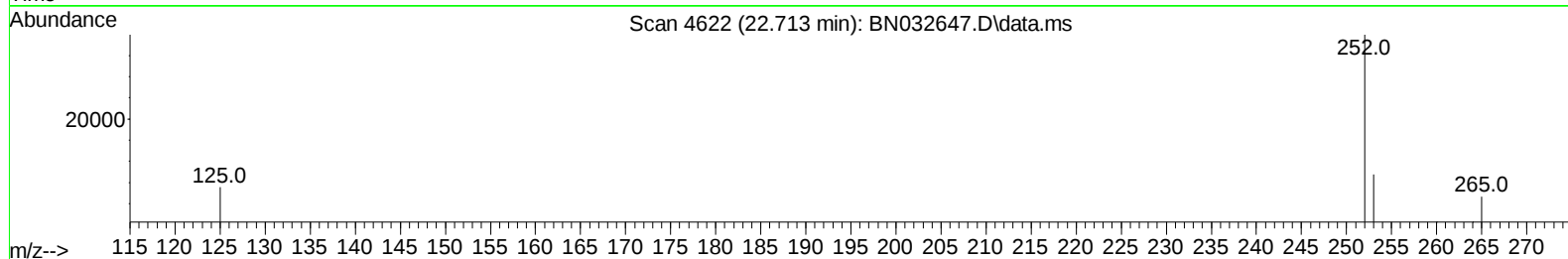
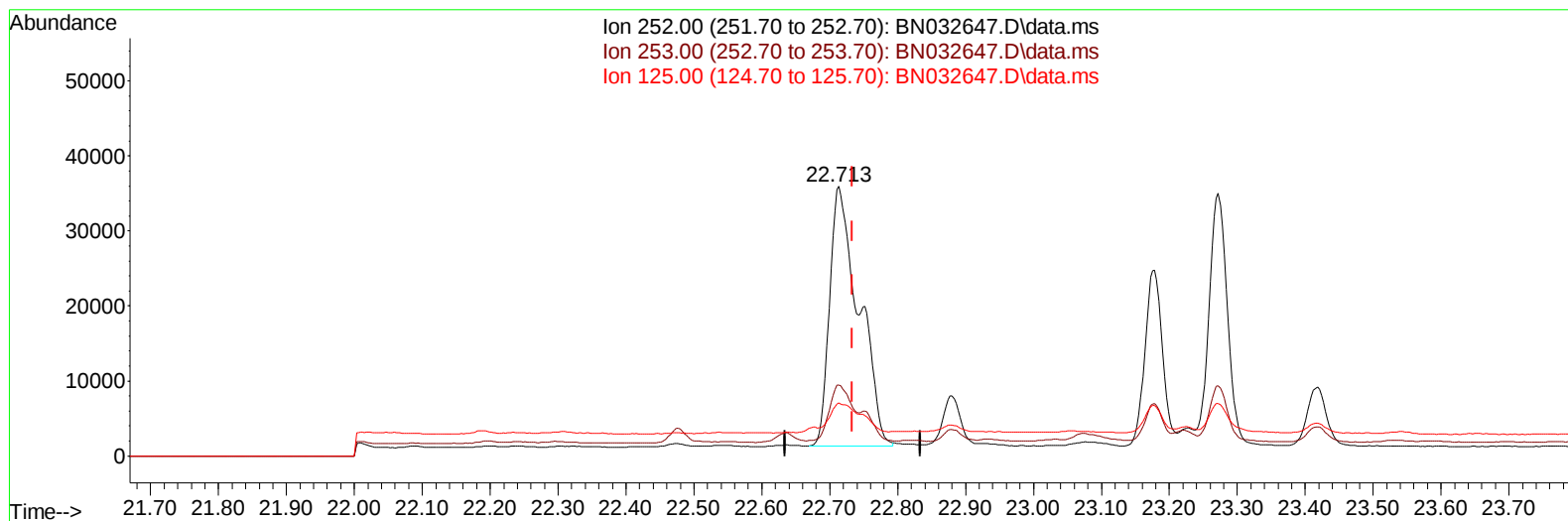
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032647.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (-0.020) 1.68 ng/u1

response 103075

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	26.43
125.00	18.00	19.65
0.00	0.00	0.00

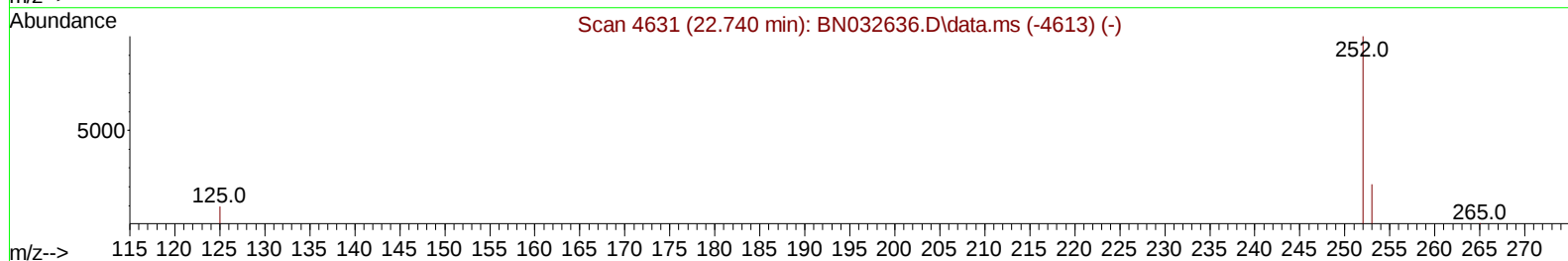
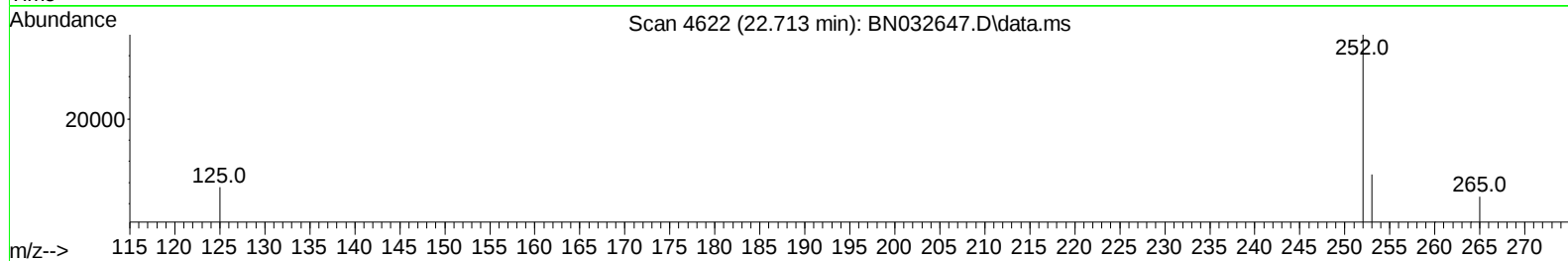
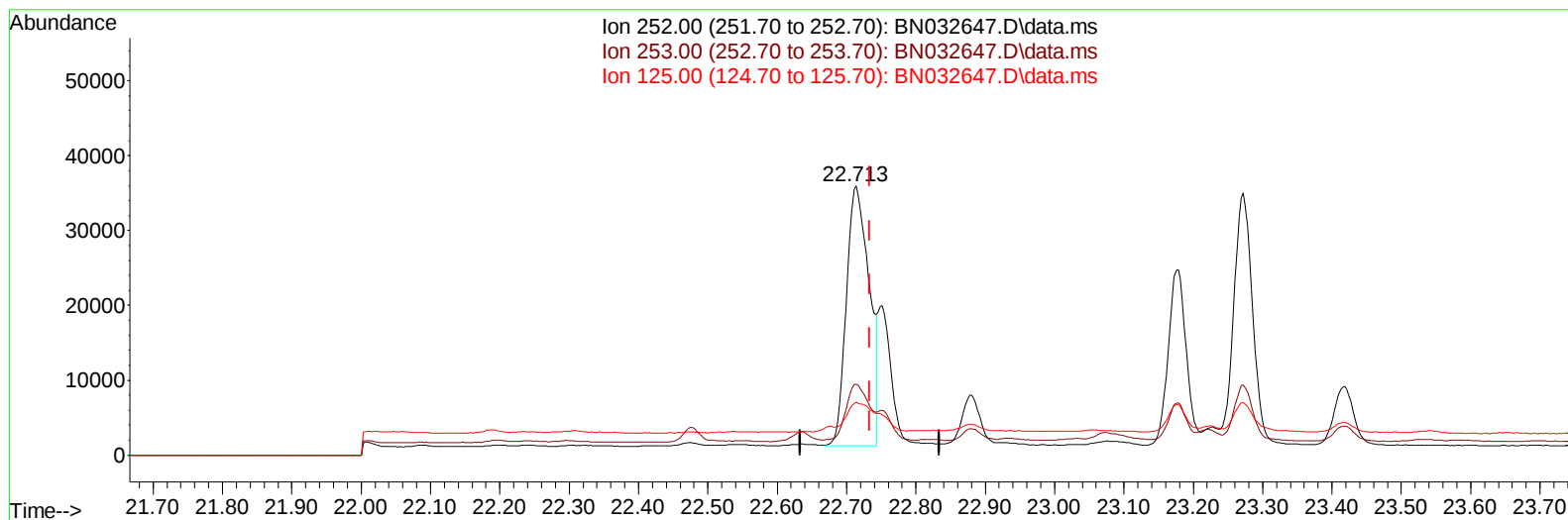
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032647.D\data.ms

(24) Benzo(b)fluoranthene

22.713min (-0.020) 1.29 ng/u1 m

response 79404

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	26.43
125.00	18.00	19.65
0.00	0.00	0.00

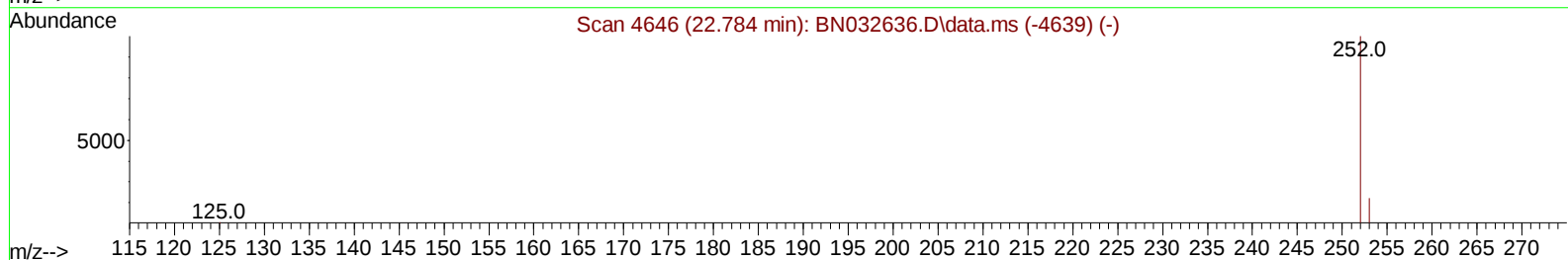
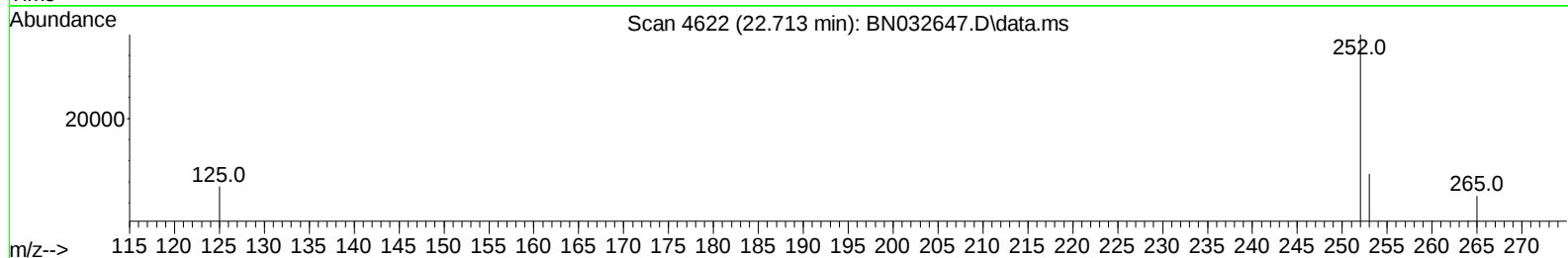
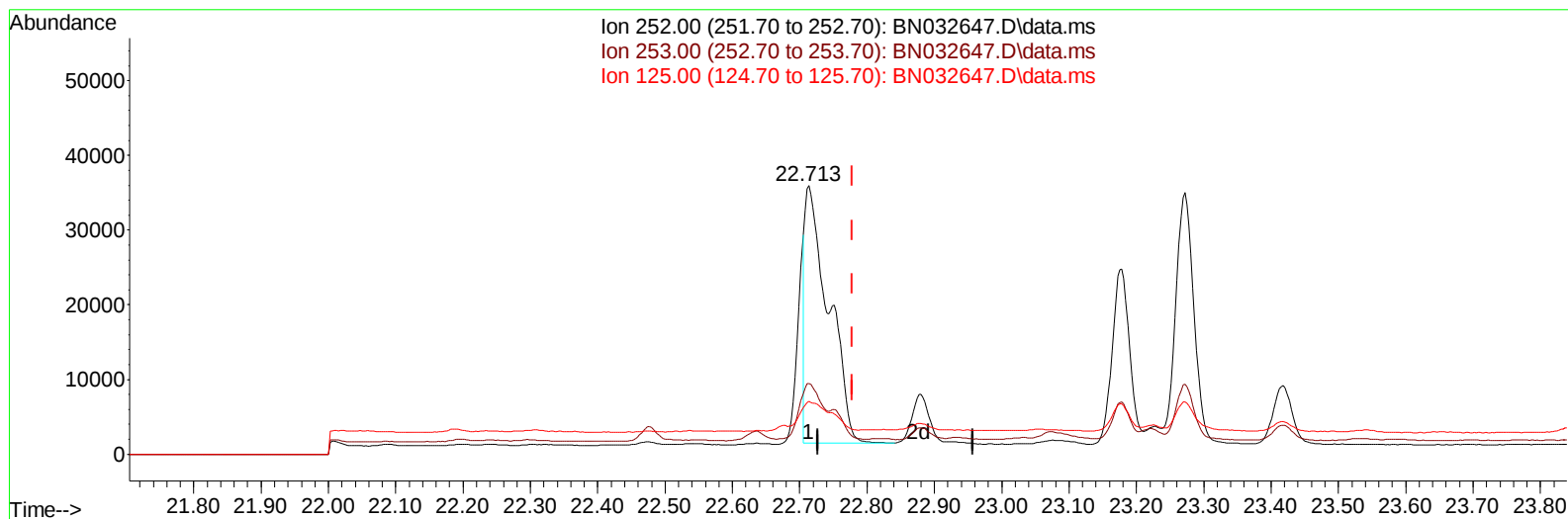
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:56:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032647.D\data.ms

(25) Benzo(k)fluoranthene

22.713min (-0.064) 1.13 ng/u1

response 84433

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	26.43
125.00	18.50	19.65
0.00	0.00	0.00

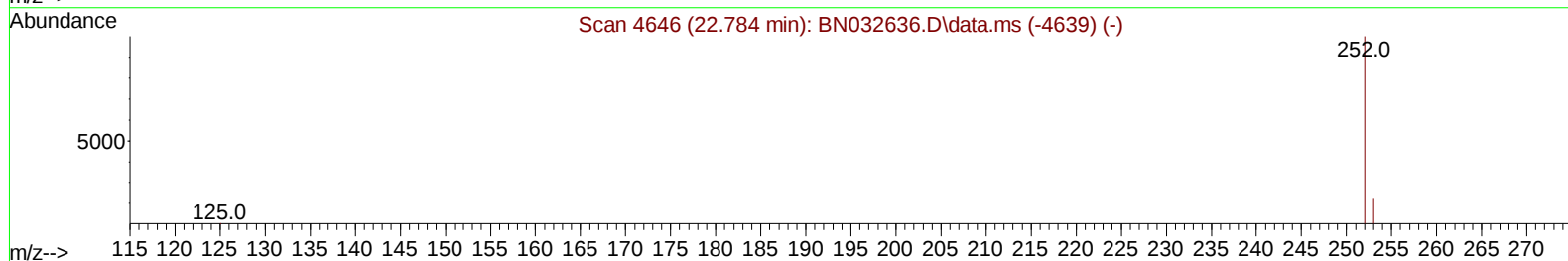
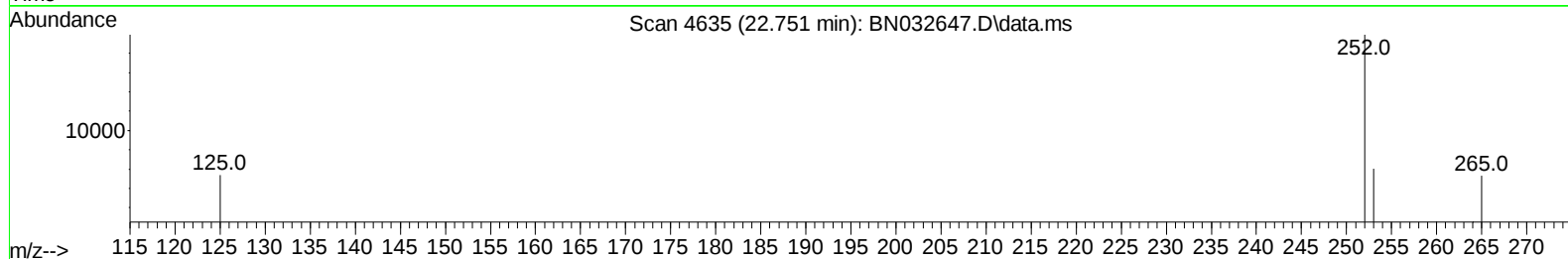
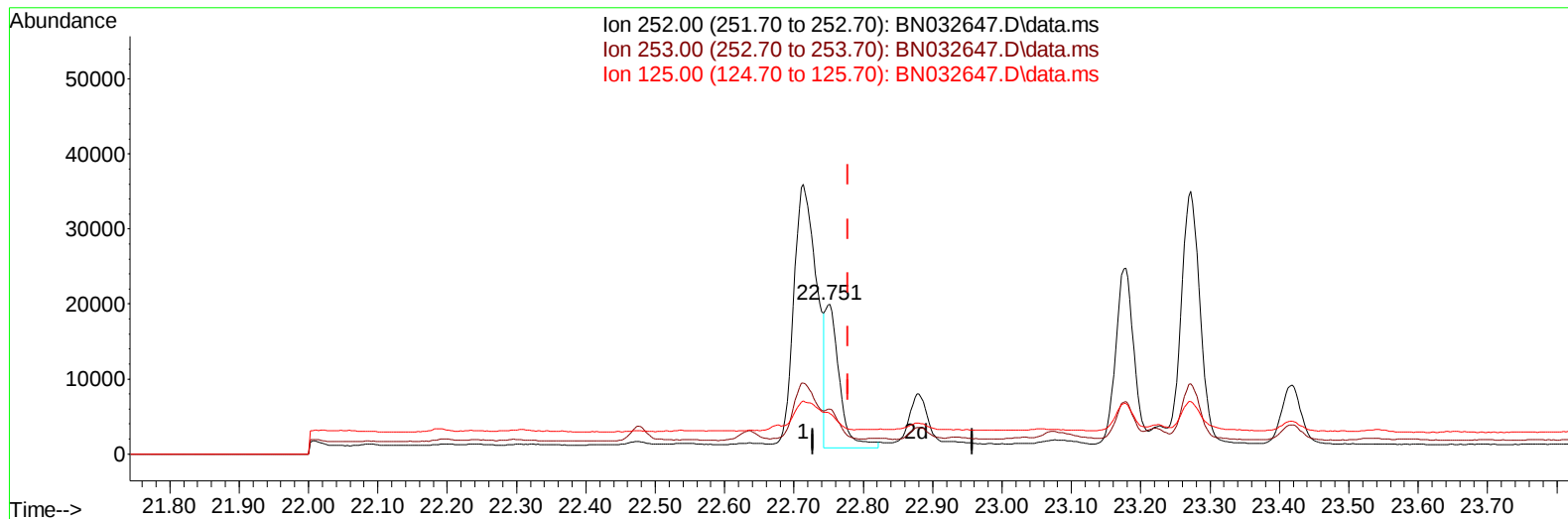
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032647.D
Acq On : 11 Jul 2024 21:57
Operator : MA/JU
Sample : P3035-18
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4B96

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:56:42 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: BN032647.D\data.ms

(25) Benzo(k)fluoranthene

22.751min (-0.026) 0.36 ng/u1 m

response 27135

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	30.19
125.00	18.50	27.16#
0.00	0.00	0.00

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	7706	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.327	136	24531	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.207	164	13564	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.965	188	22648m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240	16010m	0.400	ng/ul	-0.02
23) Perylene-d12	23.368	264	17439m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.106	96	28002	3.026	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	8606	0.232	ng/ul	-0.04
18) Fluoranthene-d10	19.004	212	13460	0.258	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.376	128	3240	0.049	ng/ul#	93
7) 2-Methylnaphthalene	12.004	142	1379	0.034	ng/ul	100
8) 1-Methylnaphthalene	12.230	142	1181	0.028	ng/ul	100
10) Acenaphthylene	13.925	152	6643	0.121	ng/ul	95
11) Acenaphthene	14.267	153	3189	0.070	ng/ul	99
12) Fluorene	15.262	166	4112	0.079	ng/ul#	98
15) Phenanthrene	17.003	178	67213m	1.090	ng/ul	
16) Anthracene	17.096	178	14639m	0.291	ng/ul	
19) Fluoranthene	19.031	202	123072	1.891	ng/ul	99
20) Pyrene	19.399	202	130646	1.939	ng/ul	97
21) Benzo(a)anthracene	21.156	228	67074	1.316	ng/ul	97
22) Chrysene	21.209	228	58155	0.789	ng/ul	96
24) Benzo(b)fluoranthene	22.713	252	79404m	1.290	ng/ul	
25) Benzo(k)fluoranthene	22.751	252	27135m	0.362	ng/ul	
26) Benzo(a)pyrene	23.272	252	63133	1.186	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	25.579	276	42482	0.589	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.579	278	10024	0.179	ng/ul#	51
29) Benzo(g,h,i)perylene	26.257	276	43559	0.723	ng/ul	96

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

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