

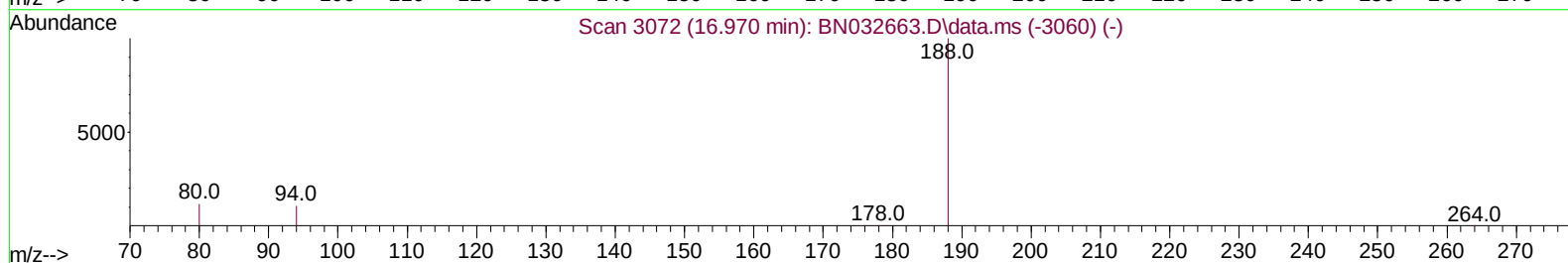
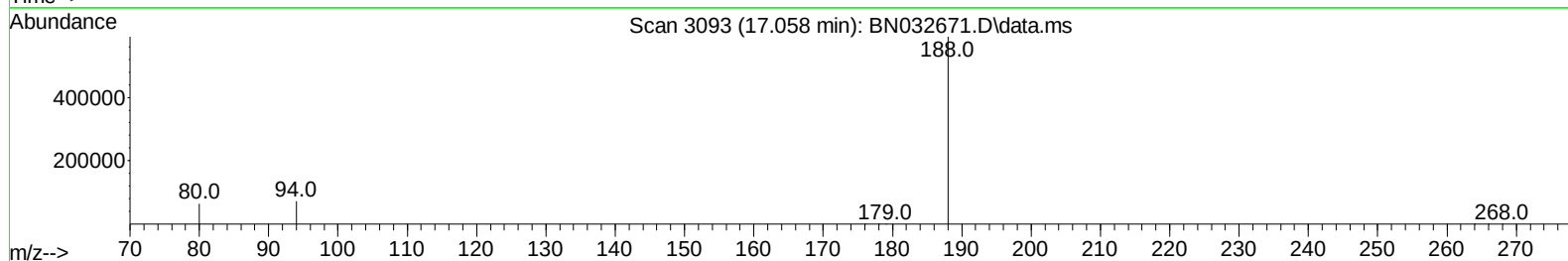
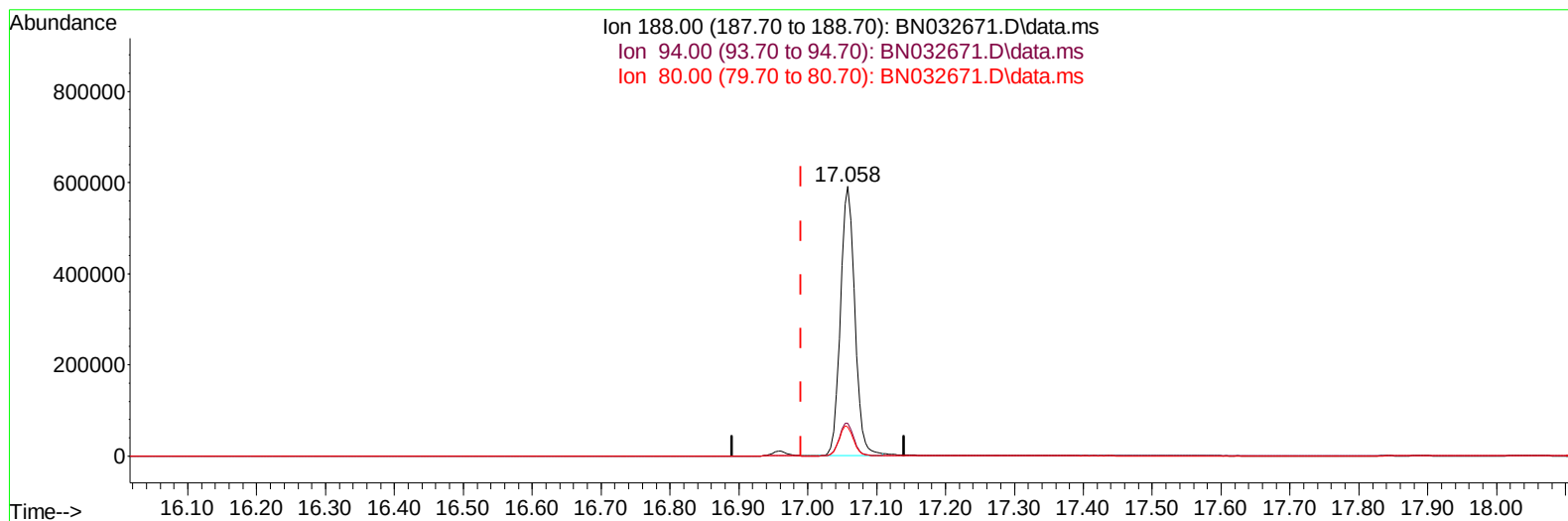
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.068) 0.40 ng/u1

response 858707

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.13
80.00	12.00	10.86
0.00	0.00	0.00

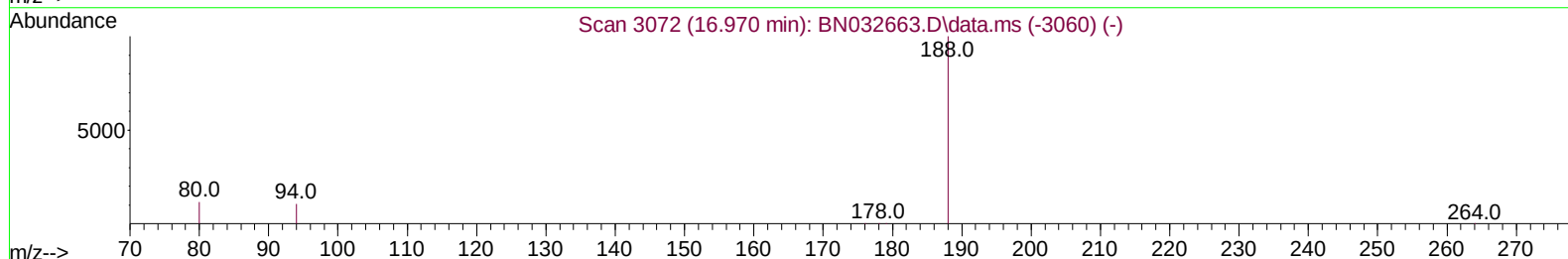
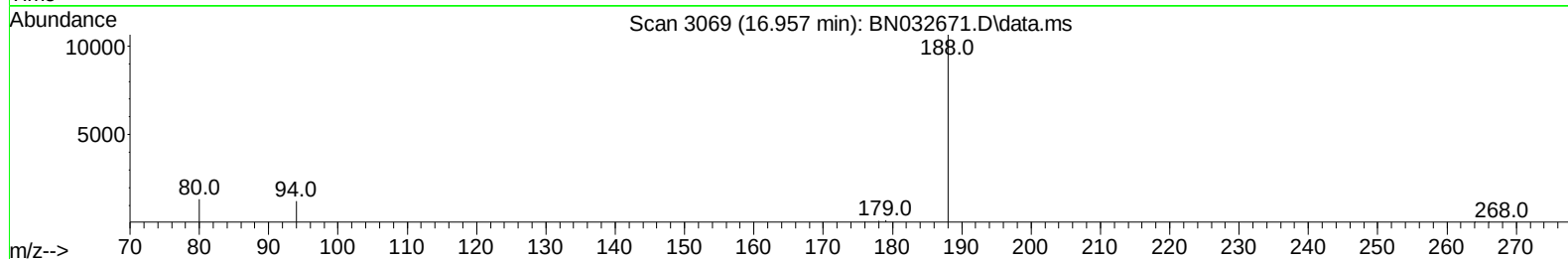
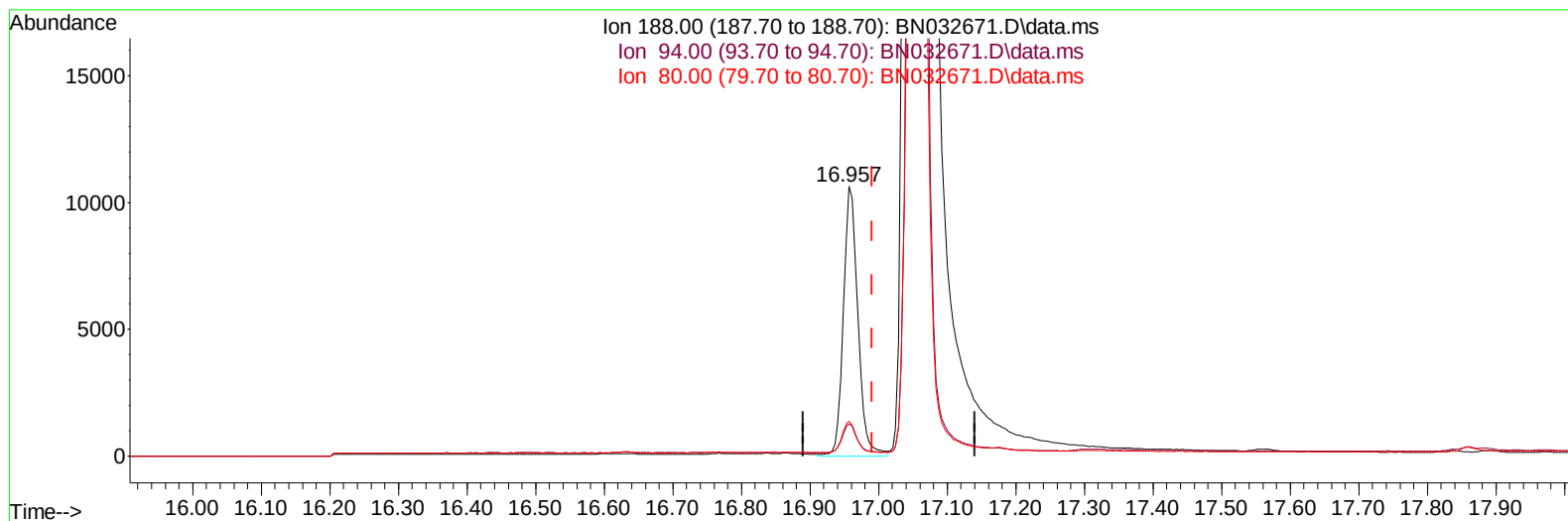
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(13) Phenanthrene-d10 (I)

16.957min (-0.034) 0.40 ng/ul m

response 15682

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.87
80.00	12.00	12.83
0.00	0.00	0.00

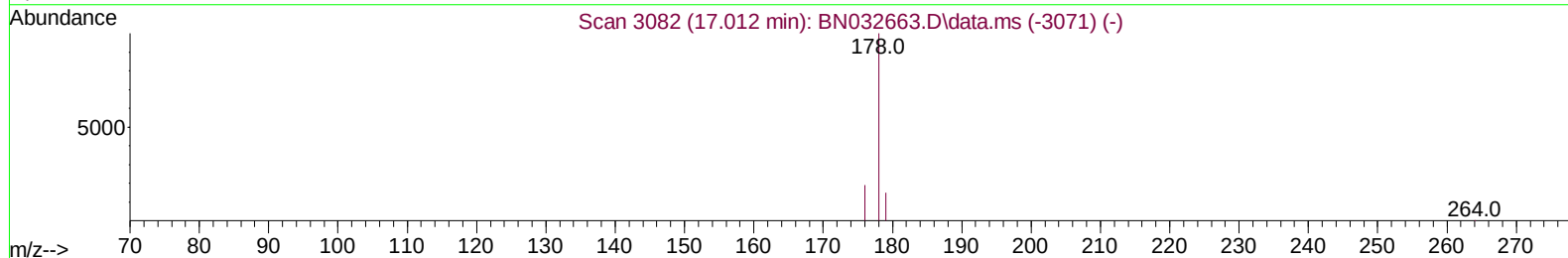
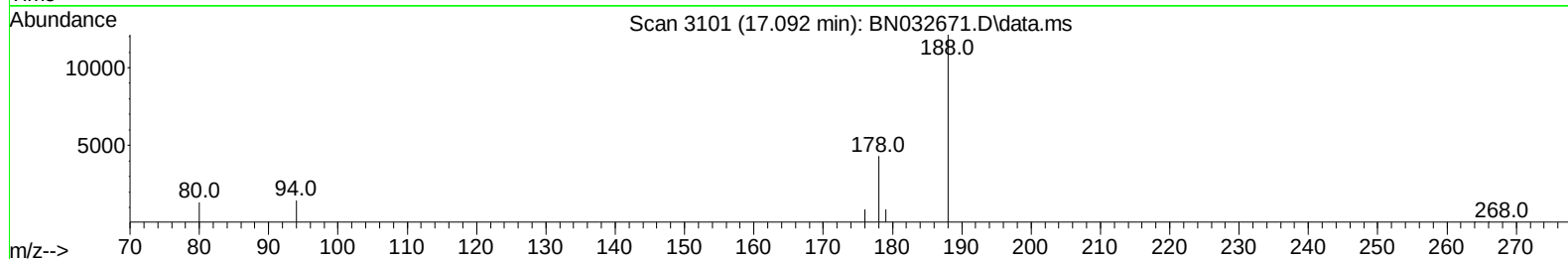
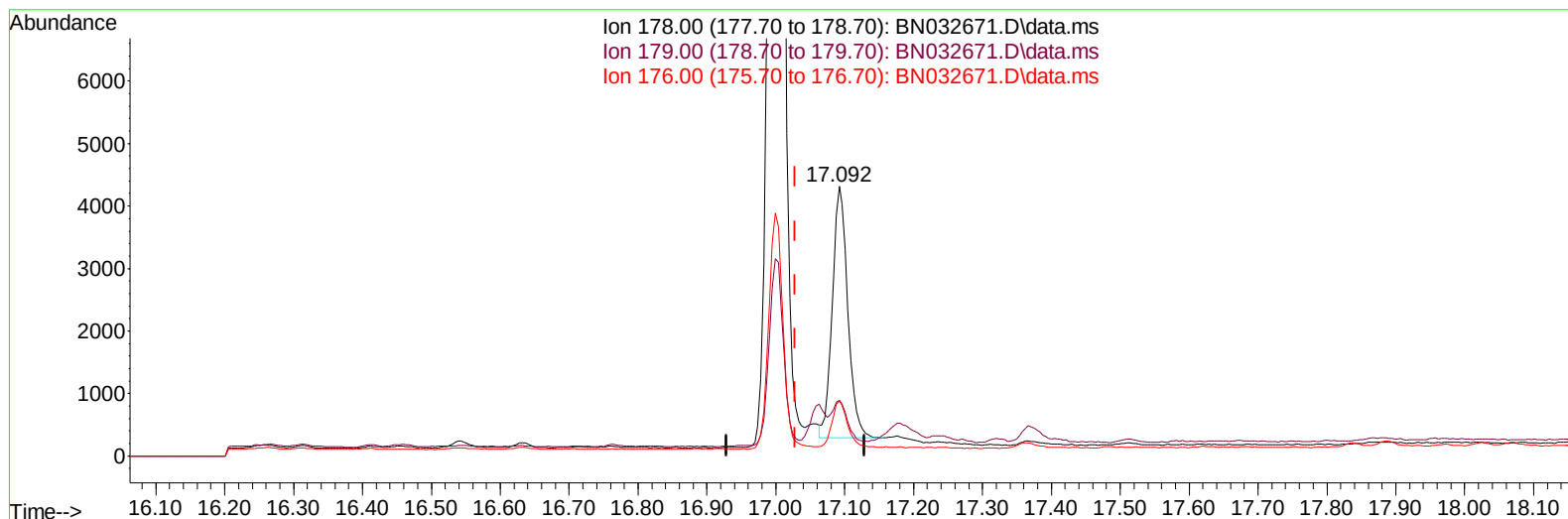
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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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TIC: BN032671.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.15 ng/ul

response 6284

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	20.64#
176.00	19.50	20.33
0.00	0.00	0.00

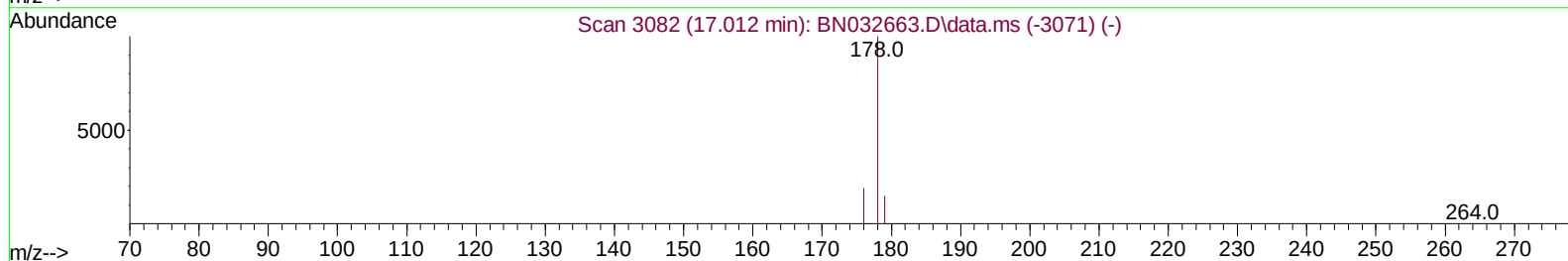
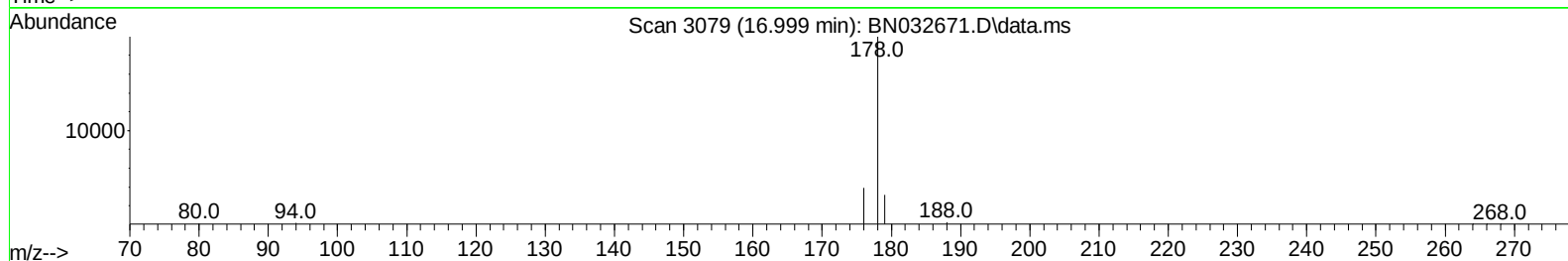
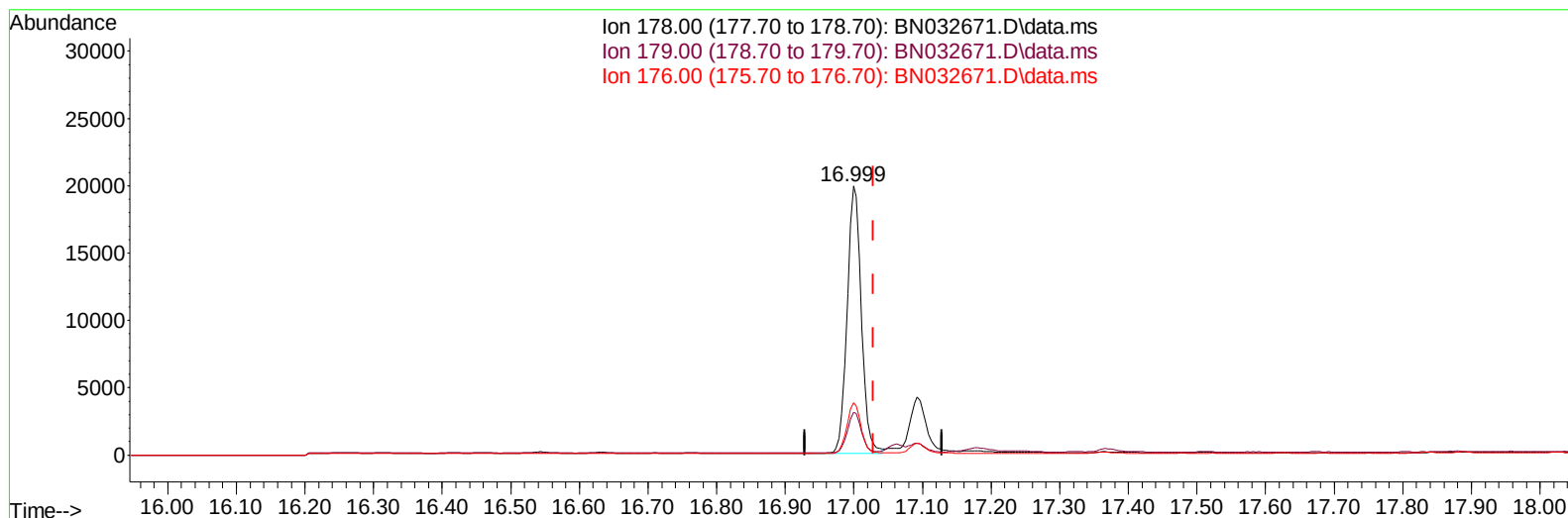
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(15) Phenanthrene

16.999min (-0.029) 0.67 ng/ul m

response 28659

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.82
176.00	19.50	19.48
0.00	0.00	0.00

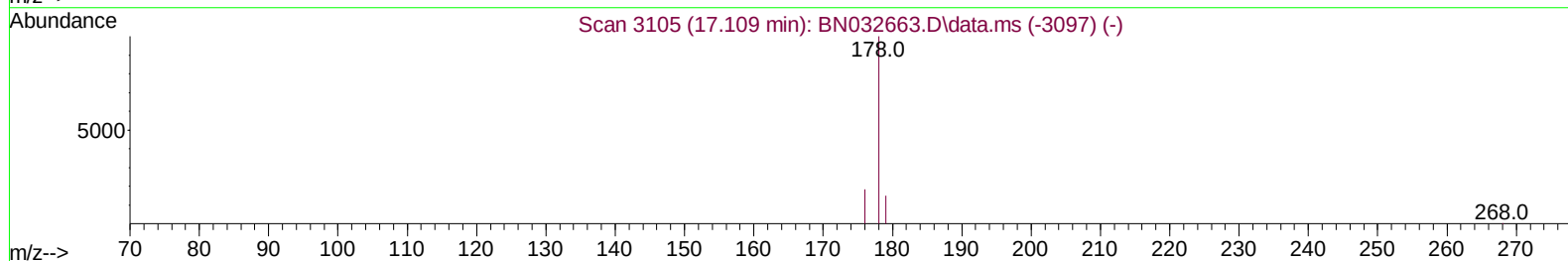
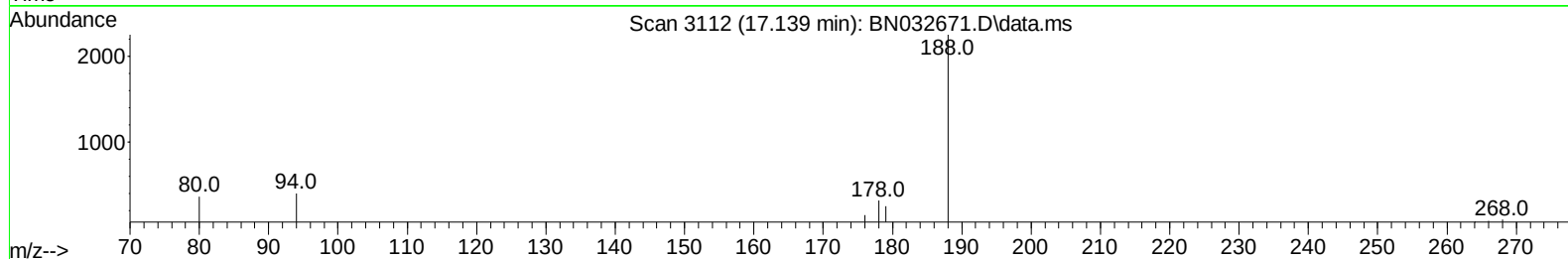
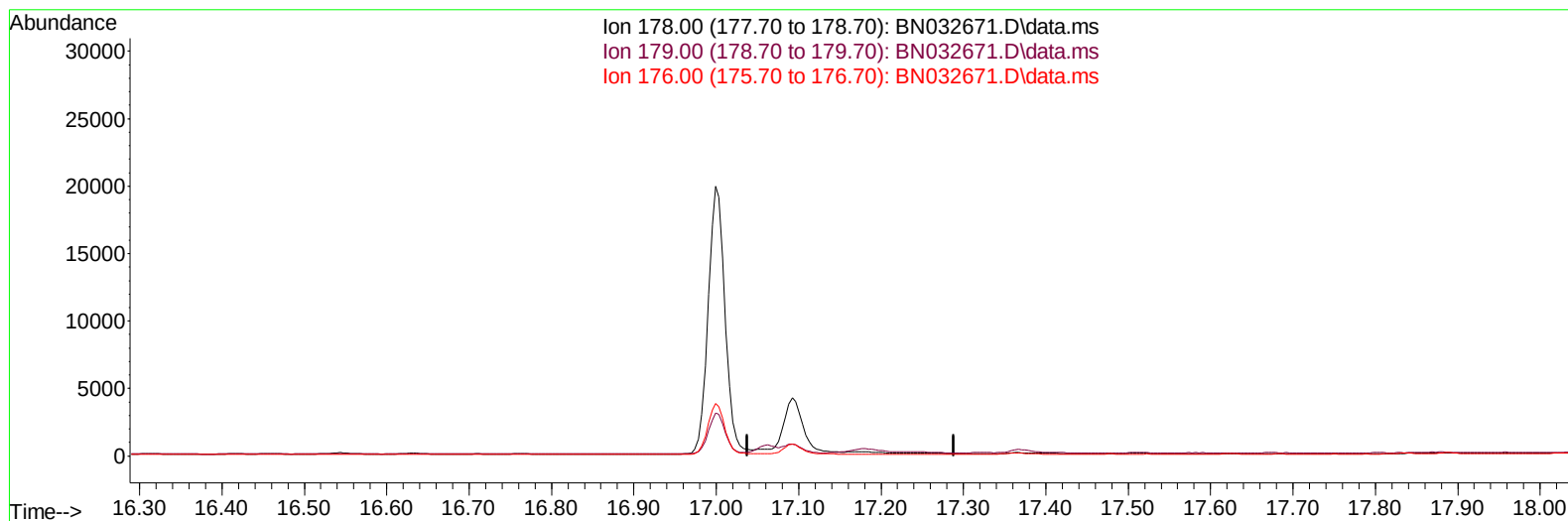
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 2024
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TIC: BN032671.D\data.ms

(16) Anthracene

17.138min (-17.138) 0.00 ng/ul

response 0

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

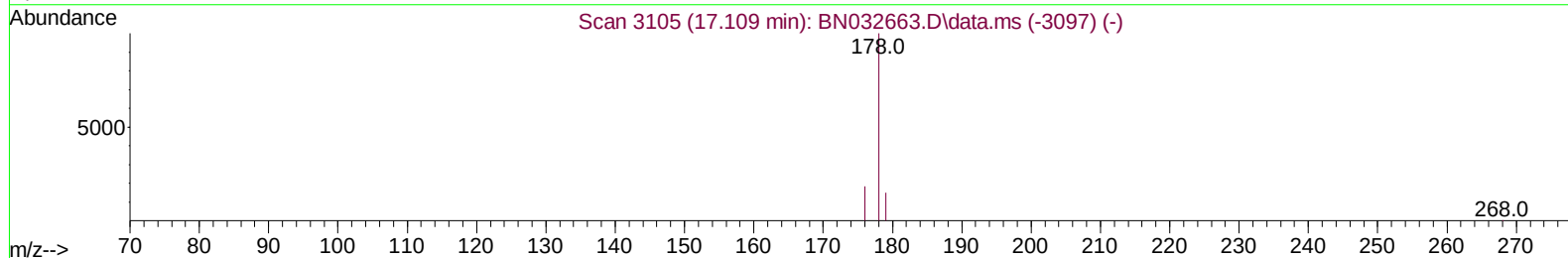
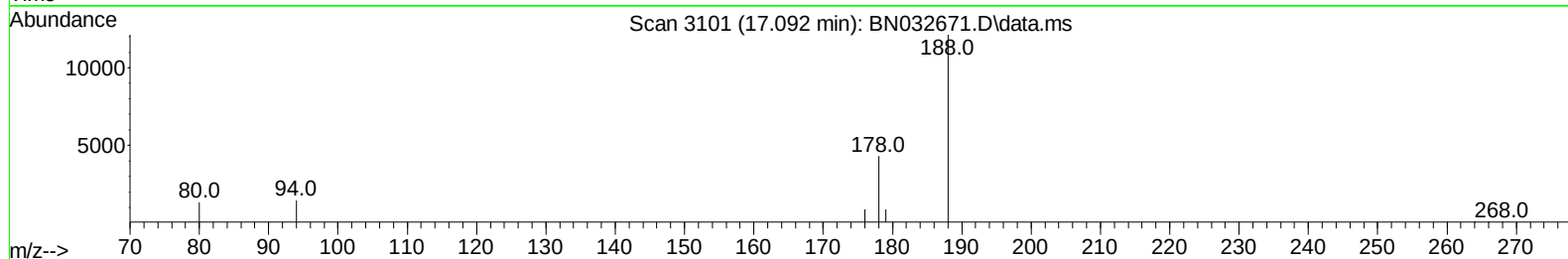
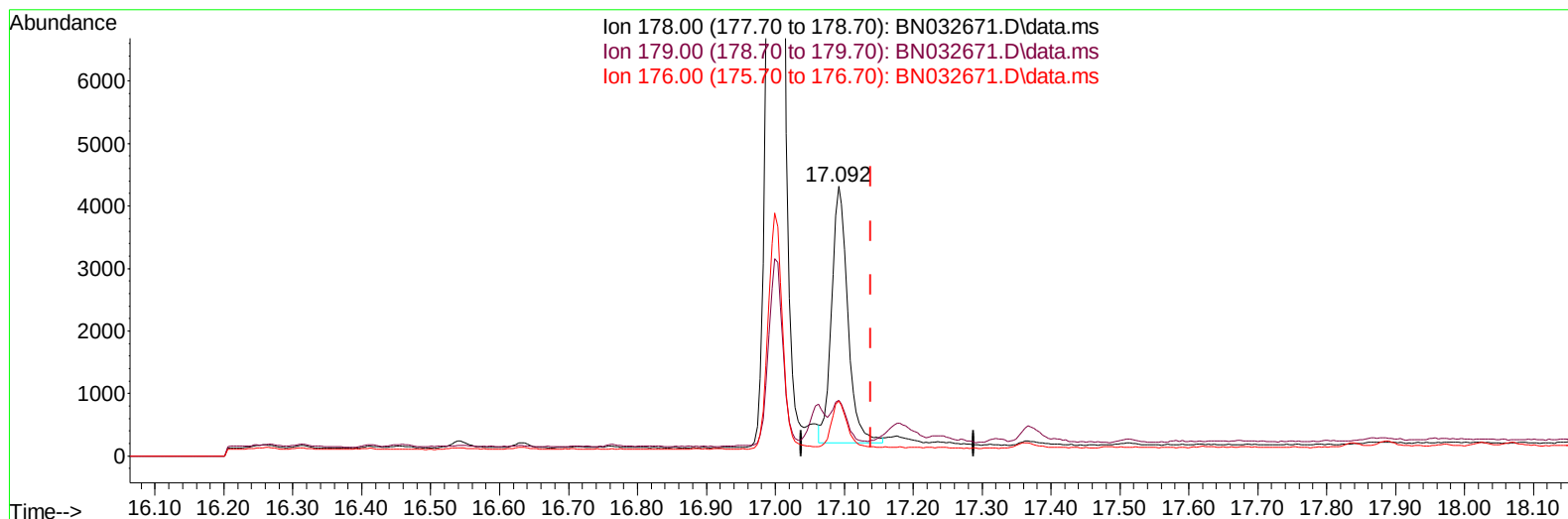
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(16) Anthracene

17.092min (-0.046) 0.19 ng/ul m

response 6719

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	20.64#
176.00	19.20	20.33
0.00	0.00	0.00

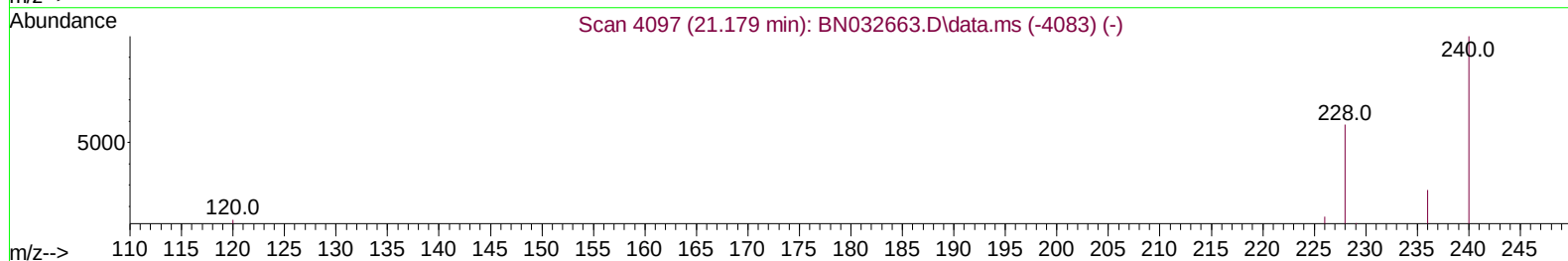
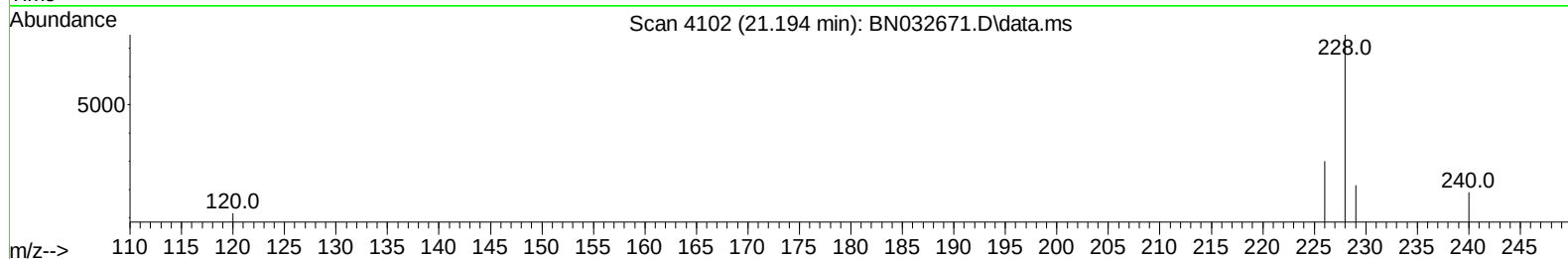
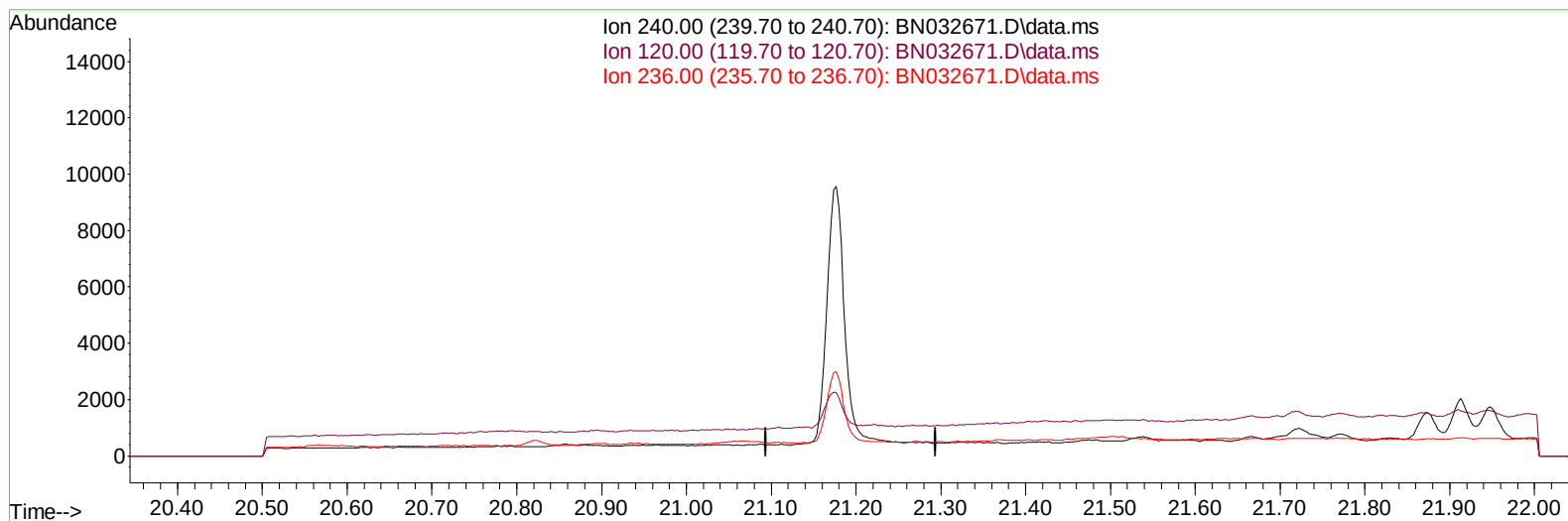
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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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TIC: BN032671.D\data.ms

(17) Chrysene-d12

21.194min (-21.194) 0.00 ng/ul

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

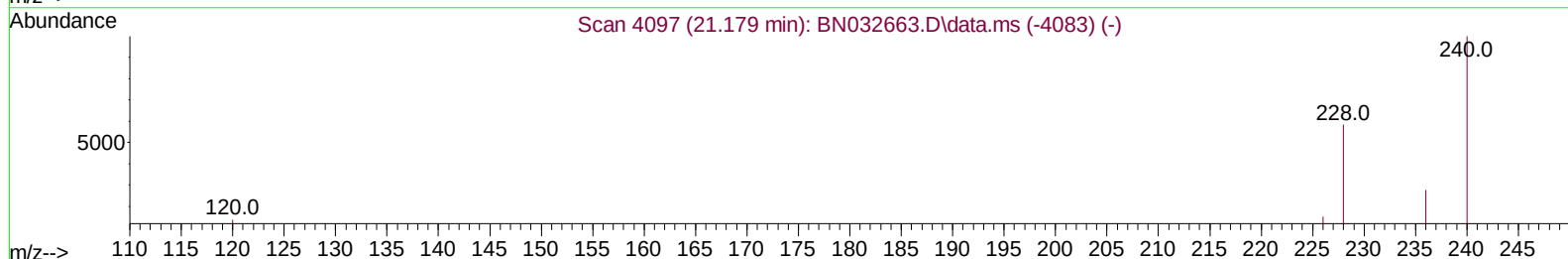
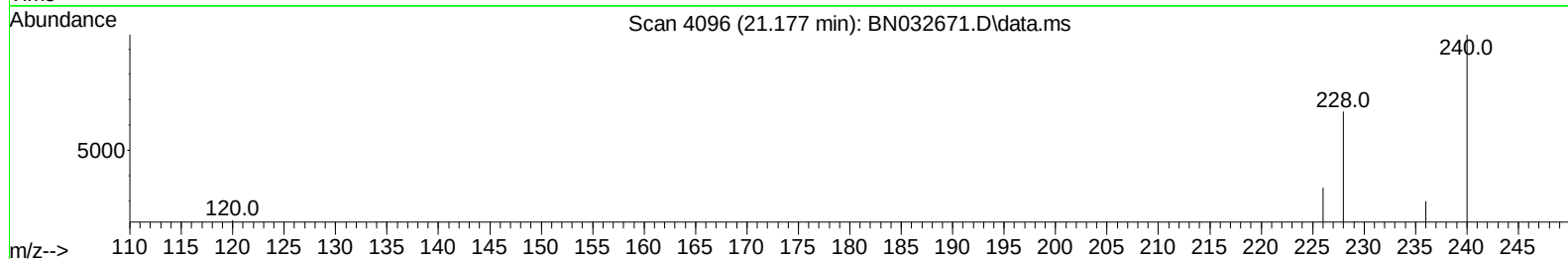
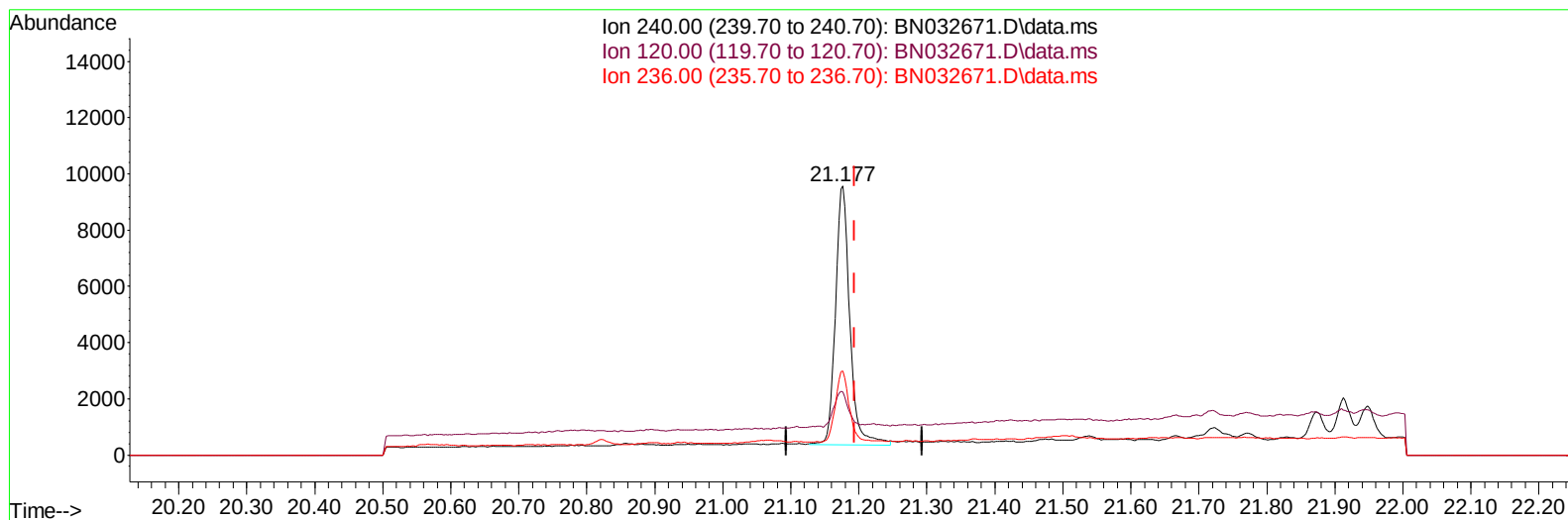
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(17) Chrysene-d12

21.177min (-0.017) 0.40 ng/ul m

response 13554

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	23.43#
236.00	28.40	31.24
0.00	0.00	0.00

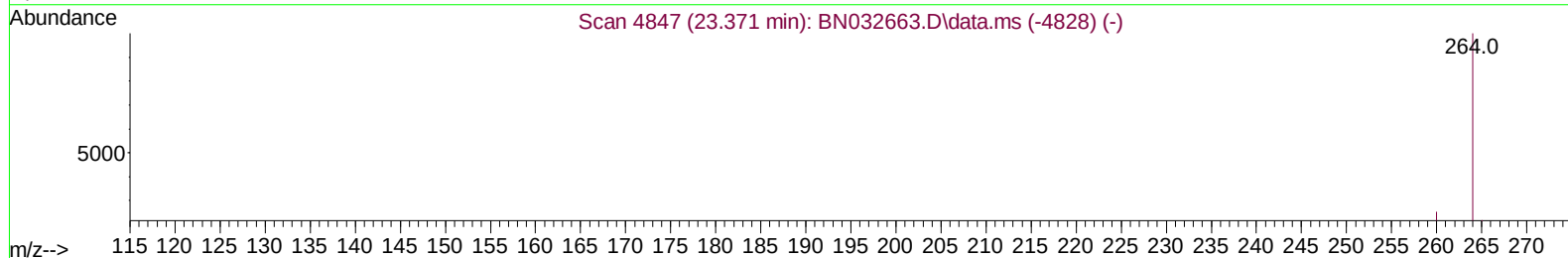
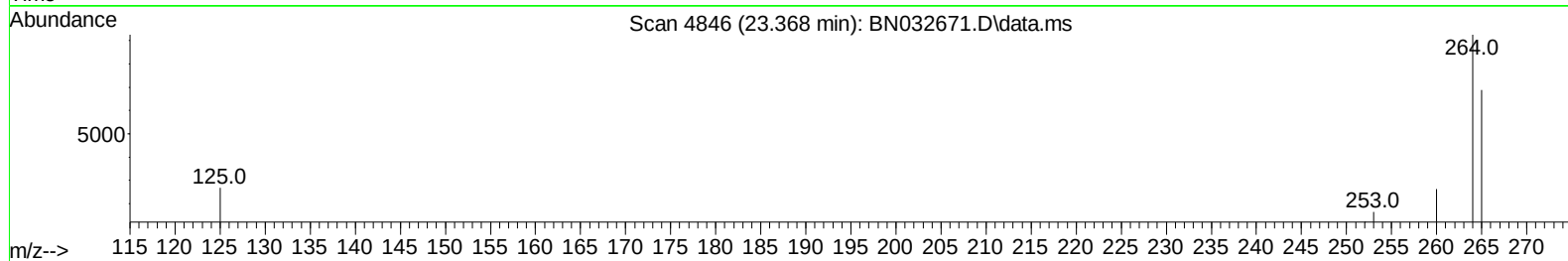
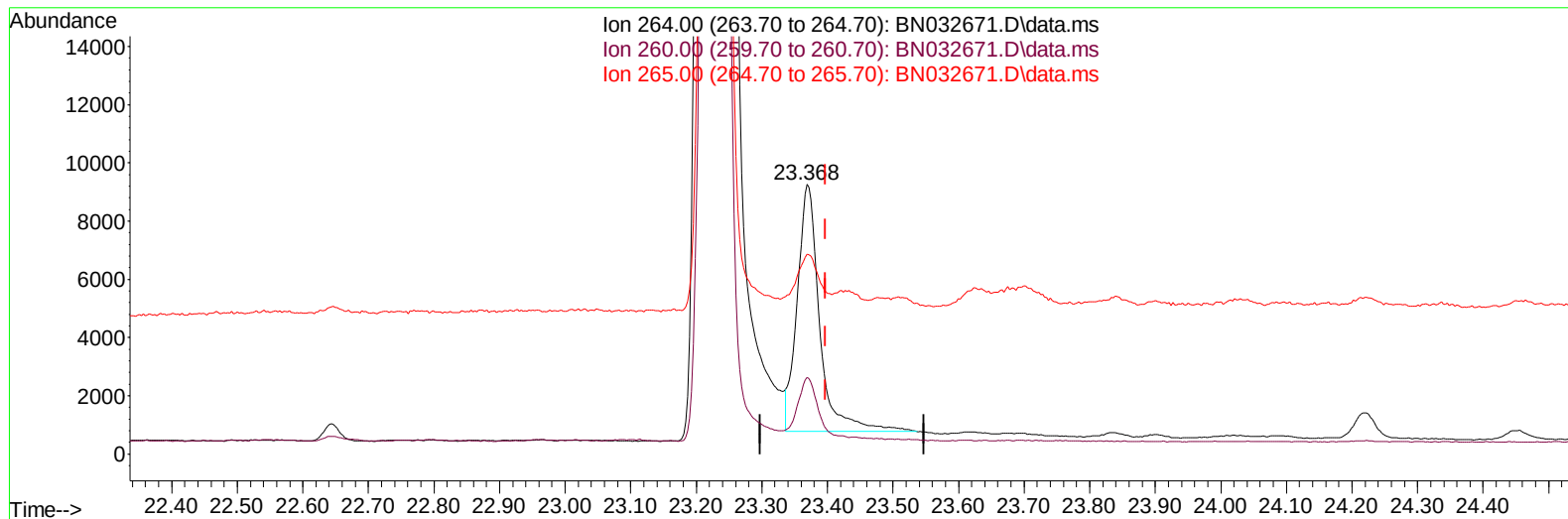
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/u1

response 19973

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.36
265.00	95.50	74.25#
0.00	0.00	0.00

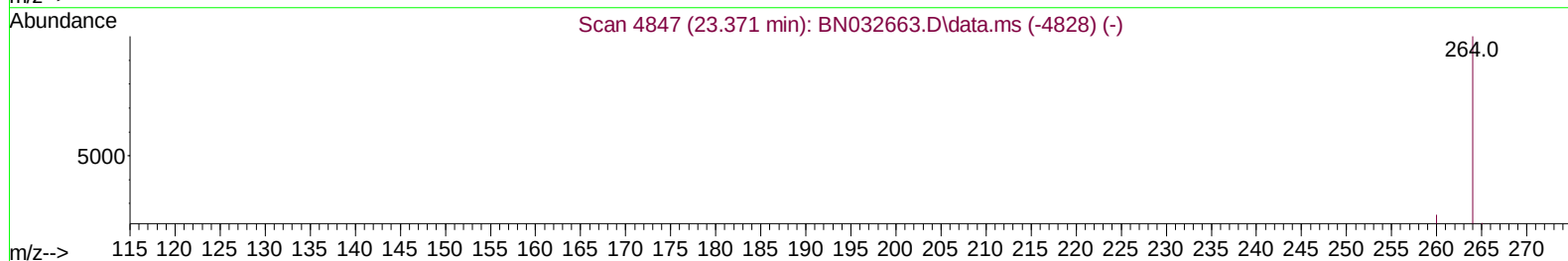
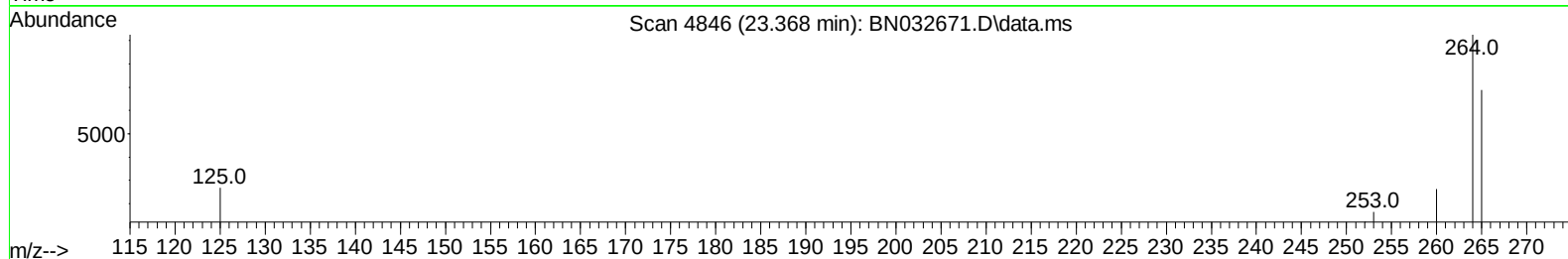
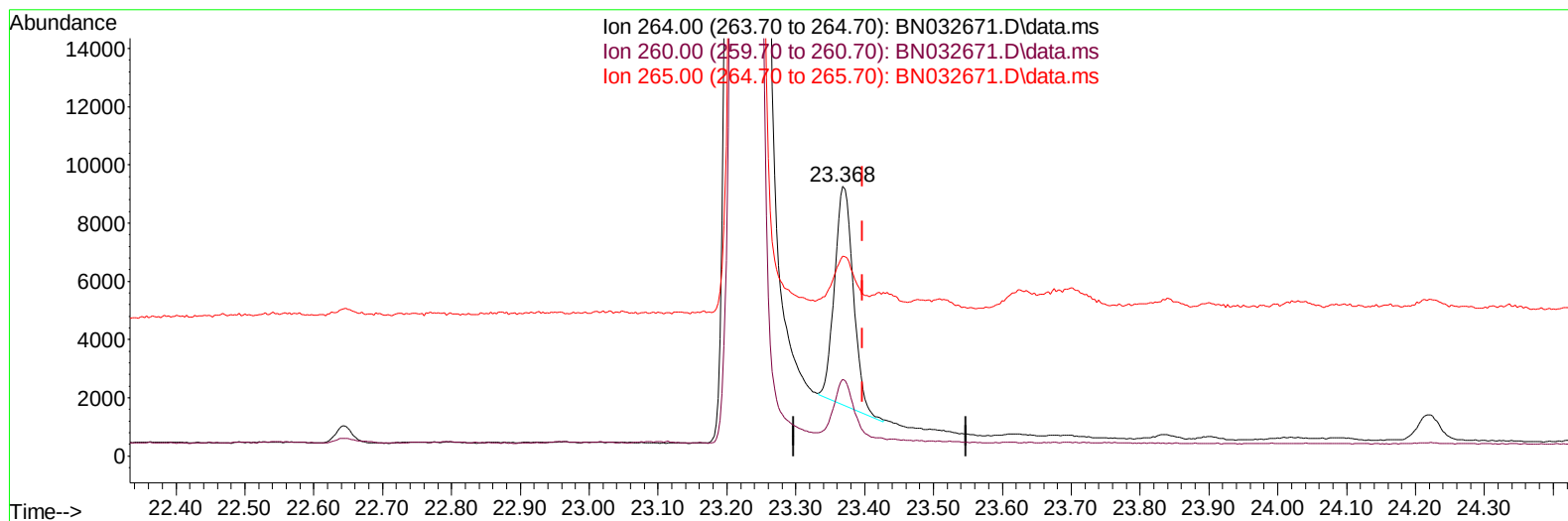
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 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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Response via : Initial Calibration

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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032671.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/ul m

response 14220

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.36
265.00	95.50	74.25#
0.00	0.00	0.00

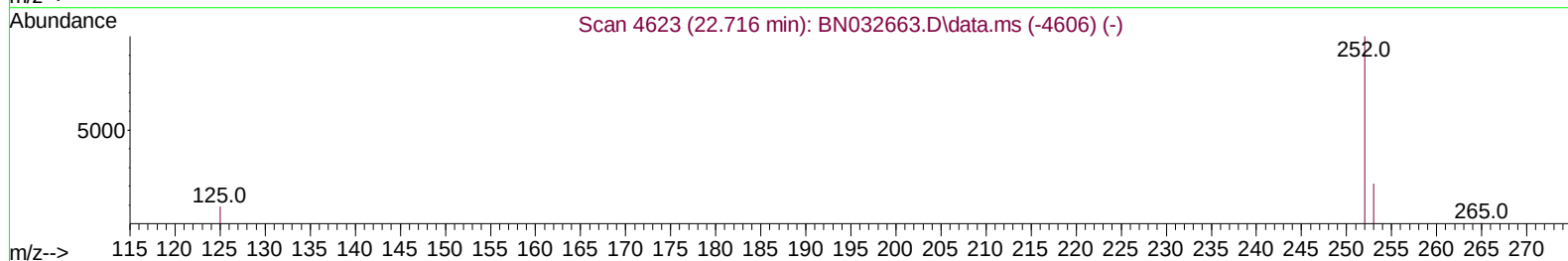
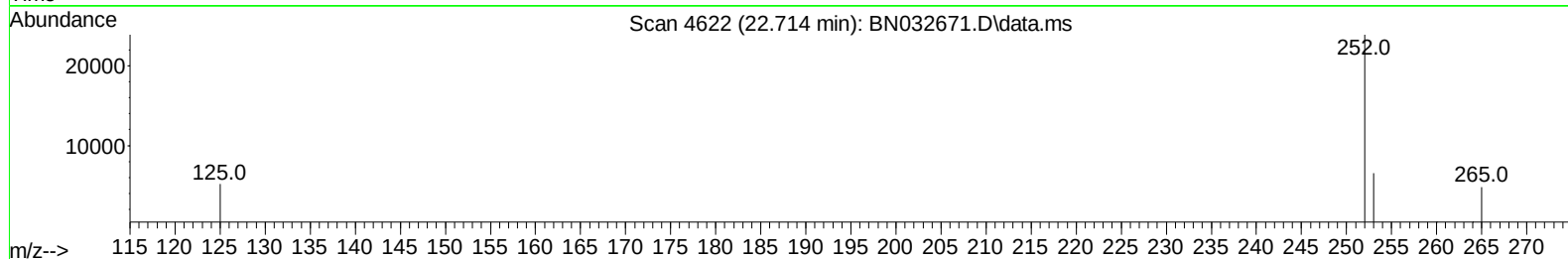
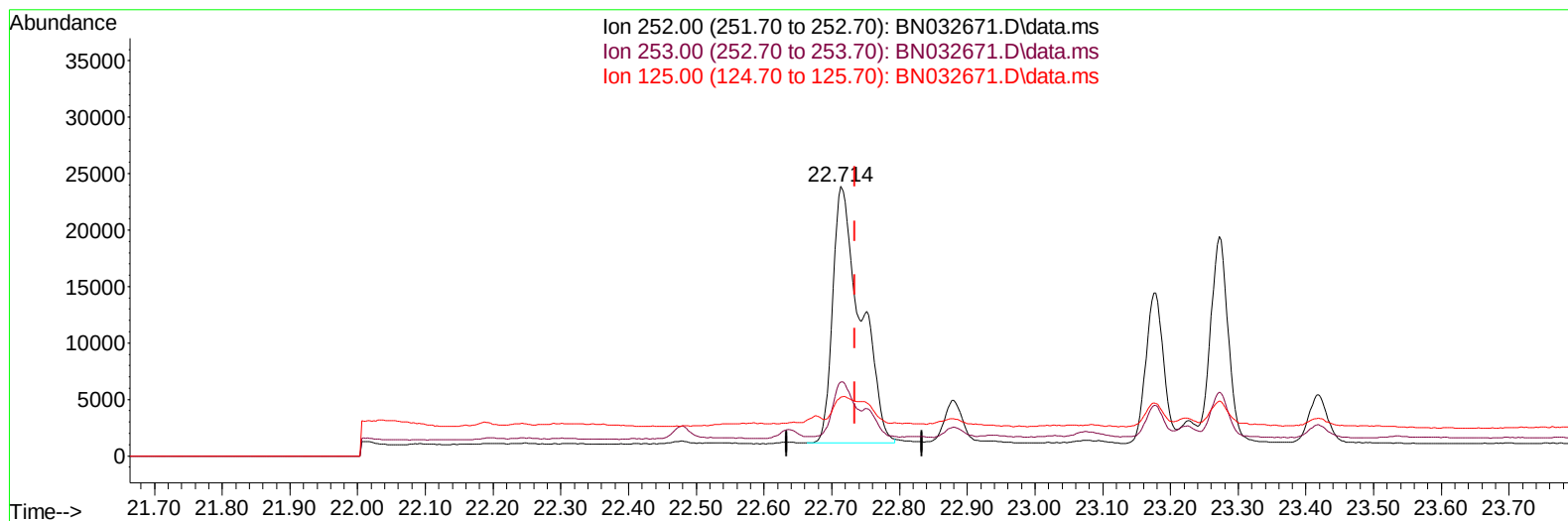
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

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TIC: BN032671.D\data.ms

(24) Benzo(b)fluoranthene

22.714min (-0.020) 1.29 ng/u1

response 64951

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	27.60
125.00	18.00	21.80
0.00	0.00	0.00

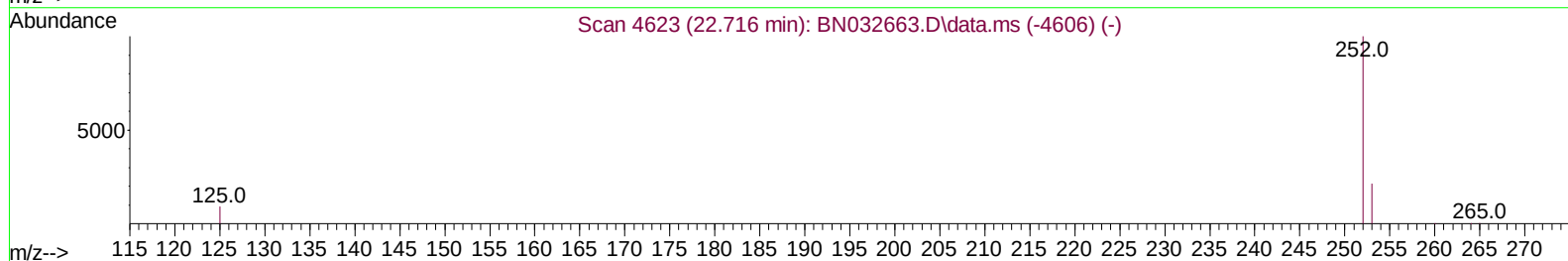
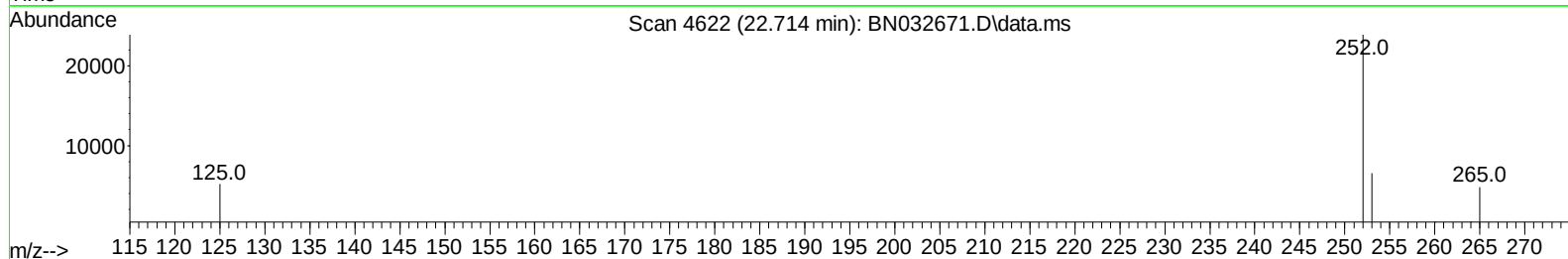
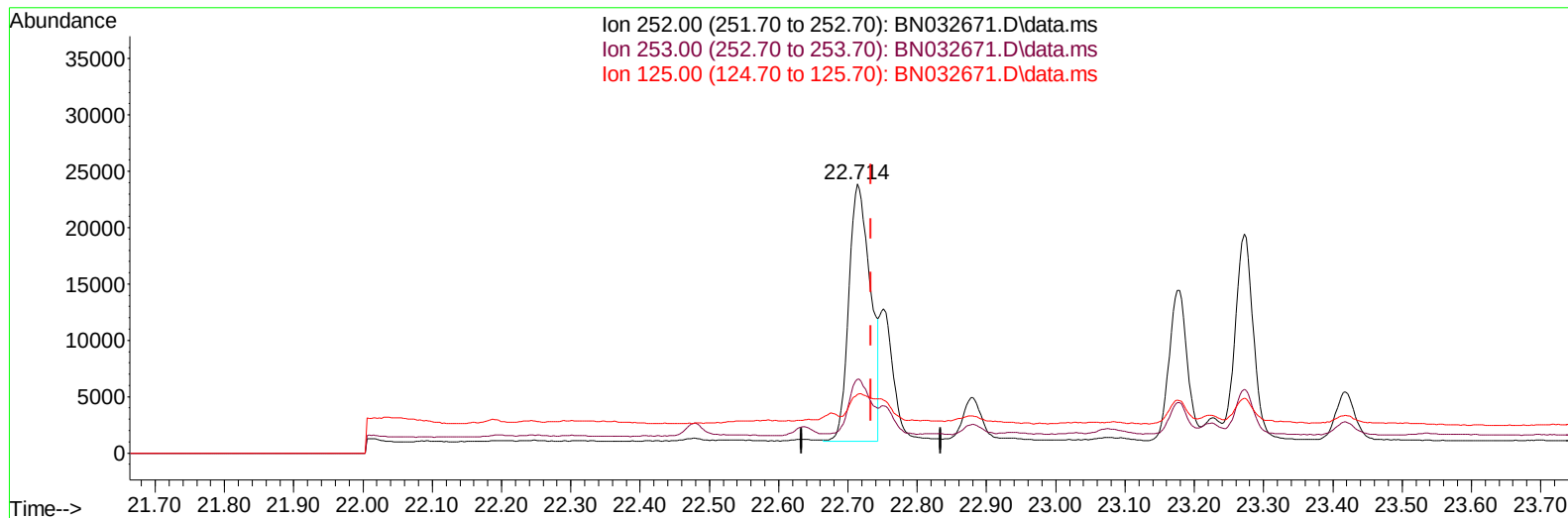
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 2024
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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: BN032671.D\data.ms

(24) Benzo(b)fluoranthene

22.714min (-0.020) 0.99 ng/ul m

response 49445

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	27.60
125.00	18.00	21.80
0.00	0.00	0.00

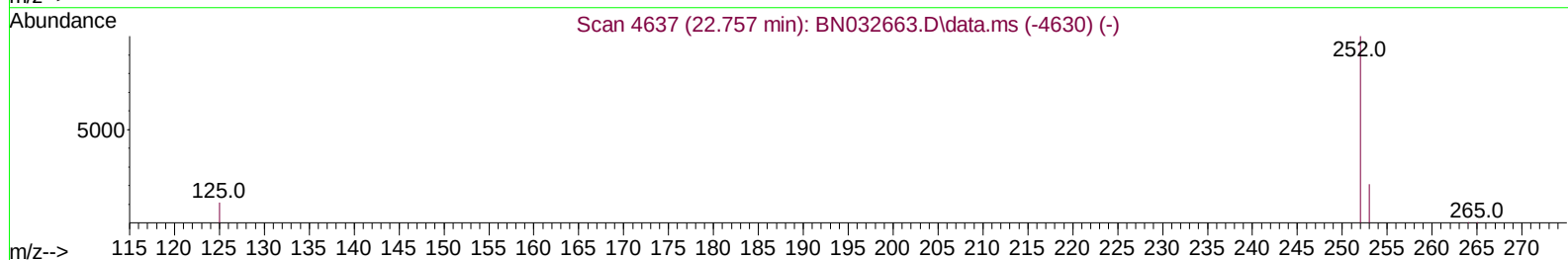
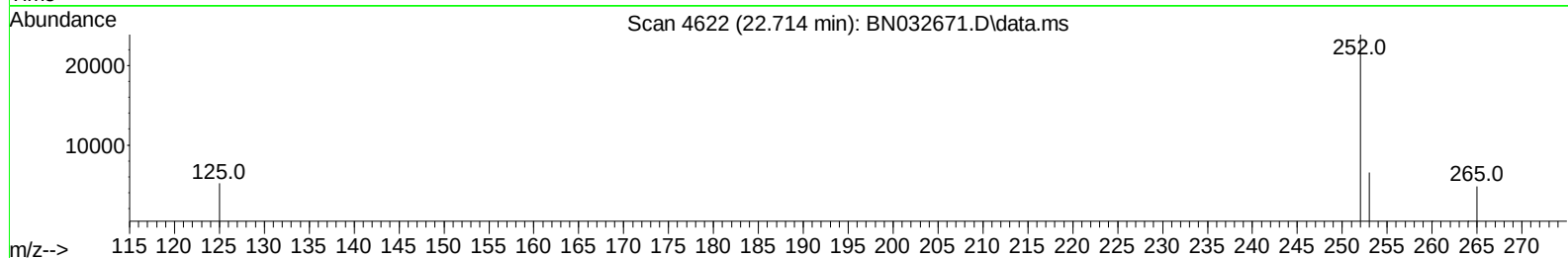
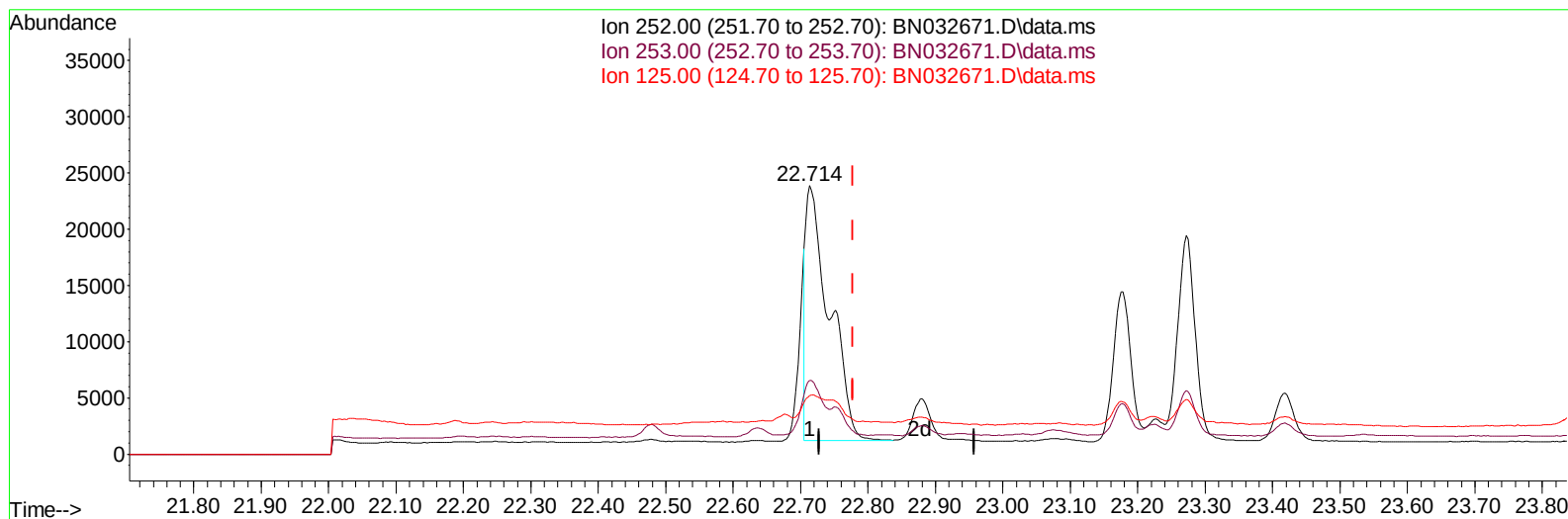
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

Quant Time: Jul 12 14:58:26 2024
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Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032671.D\data.ms

(25) Benzo(k)fluoranthene

22.714min (-0.064) 0.89 ng/u1

response 54552

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	27.60
125.00	18.50	21.80
0.00	0.00	0.00

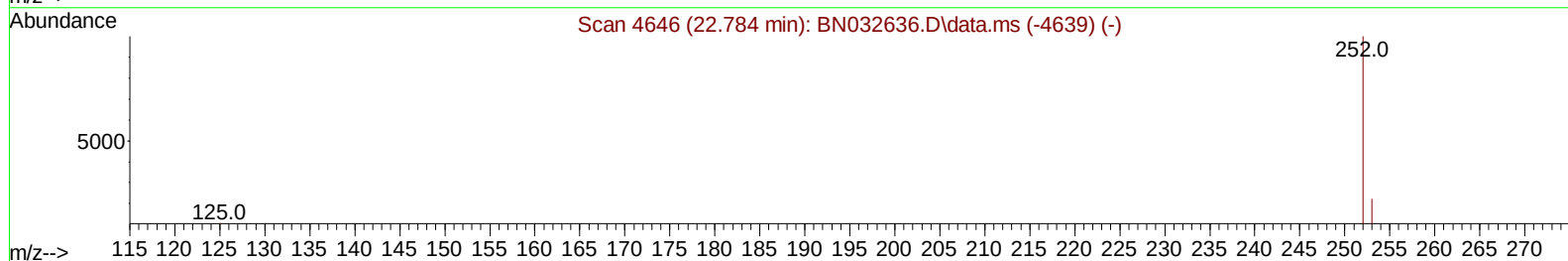
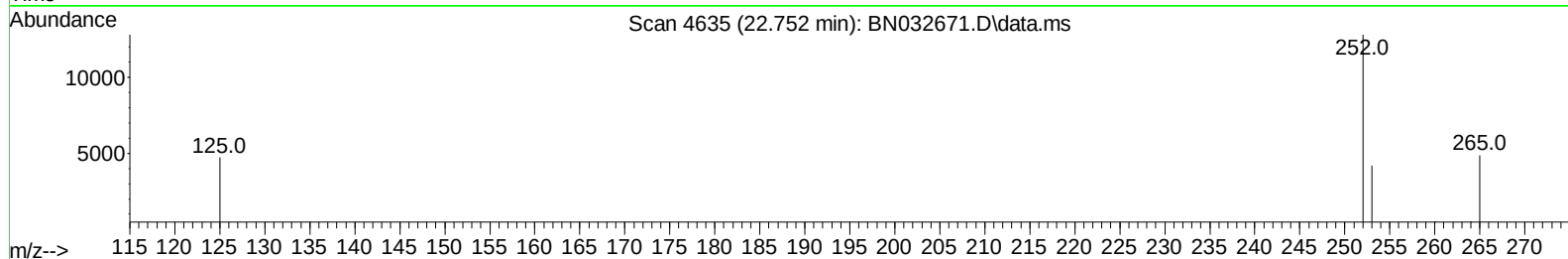
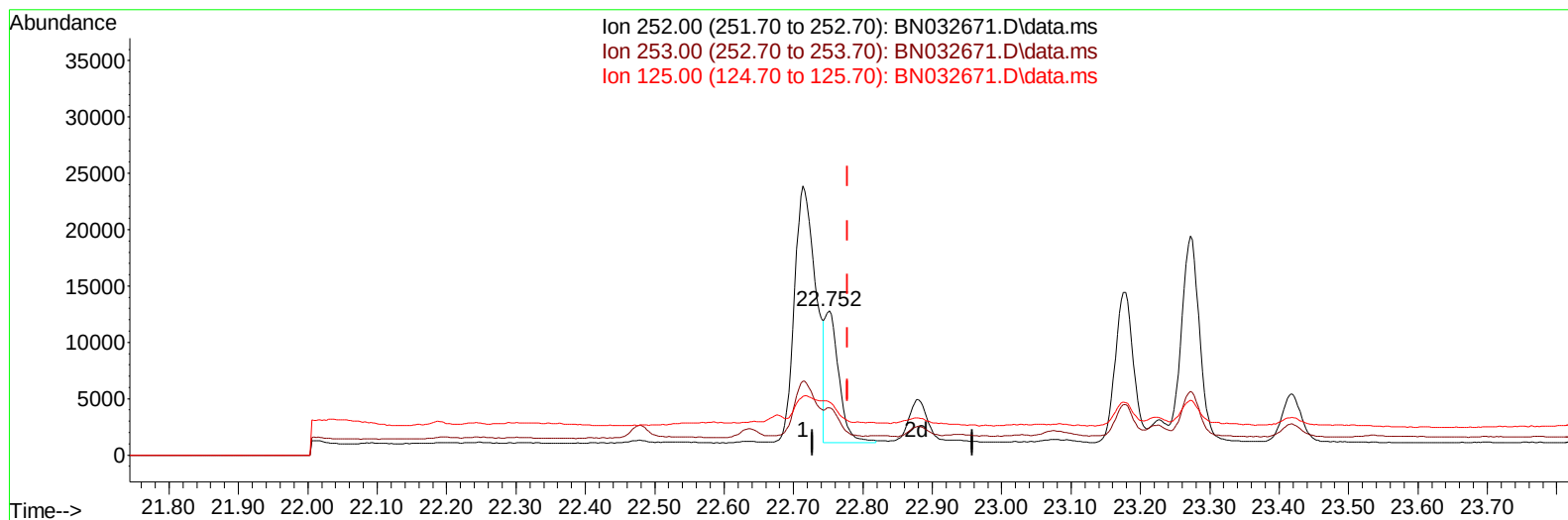
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032671.D
Acq On : 12 Jul 2024 13:46
Operator : MA/JU
Sample : P3087-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 14:58:26 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: BN032671.D\data.ms

(25) Benzo(k)fluoranthene

22.752min (-0.026) 0.27 ng/ul m

response 16312

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	32.70#
125.00	18.50	36.95#
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	5443	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136	15649	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164	8227	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.957	188	15682m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.177	240	13554m	0.400	ng/ul	-0.02
23) Perylene-d12	23.368	264	14220m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	20257	3.100	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	4978	0.210	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212	10464	0.237	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.371	128	1309	0.031	ng/ul#	78
10) Acenaphthylene	13.920	152	3752	0.113	ng/ul#	93
11) Acenaphthene	14.262	153	1086	0.040	ng/ul	96
12) Fluorene	15.262	166	1540	0.049	ng/ul#	97
15) Phenanthrene	16.999	178	28659m	0.671	ng/ul	
16) Anthracene	17.092	178	6719m	0.193	ng/ul	
19) Fluoranthene	19.032	202	67083	1.217	ng/ul	98
20) Pyrene	19.394	202	60849	1.067	ng/ul	99
21) Benzo(a)anthracene	21.159	228	35178	0.815	ng/ul	94
22) Chrysene	21.212	228	31153	0.499	ng/ul	95
24) Benzo(b)fluoranthene	22.714	252	49445m	0.985	ng/ul	
25) Benzo(k)fluoranthene	22.752	252	16312m	0.267	ng/ul	
26) Benzo(a)pyrene	23.272	252	33124	0.763	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.583	276	25502	0.434	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.576	278	5898	0.129	ng/ul#	36
29) Benzo(g,h,i)perylene	26.257	276	24961	0.508	ng/ul	92

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

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