

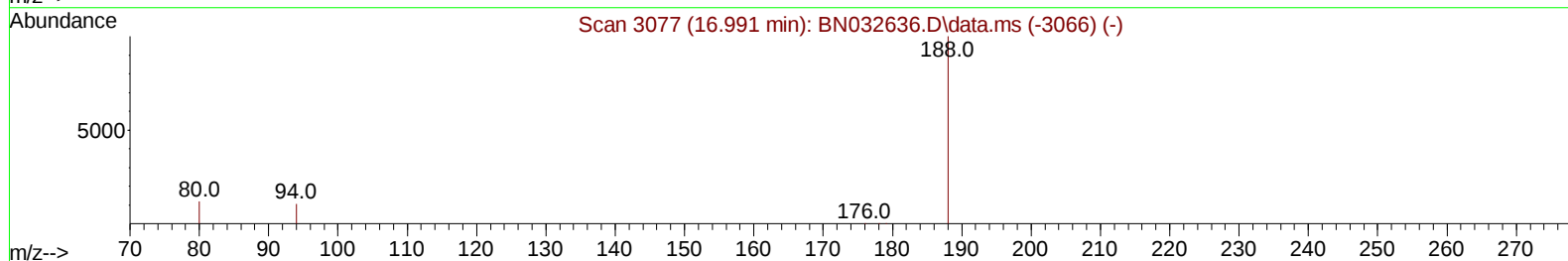
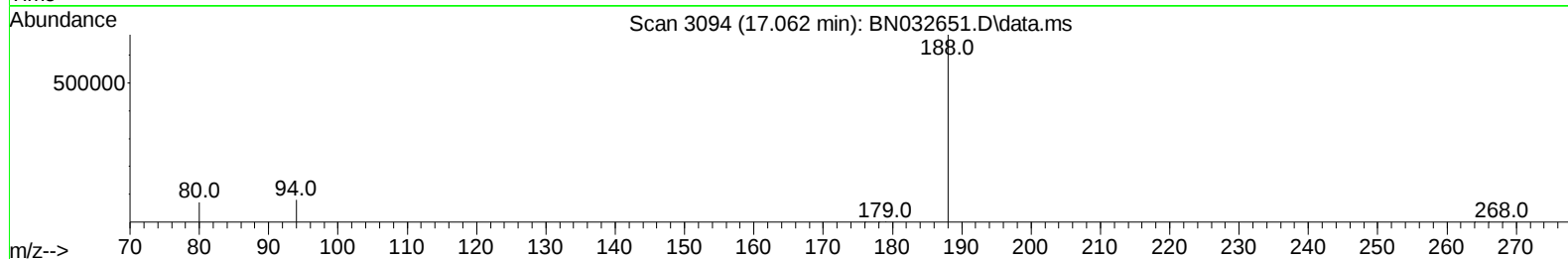
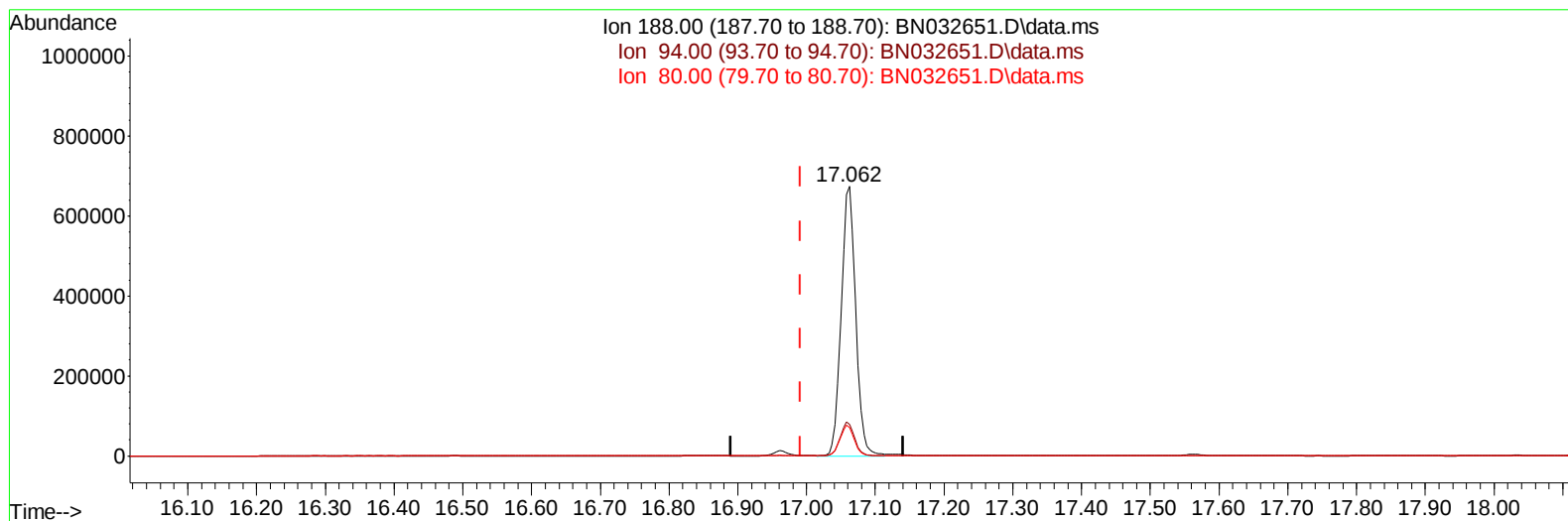
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(13) Phenanthrene-d10 (I)

17.062min (+ 0.072) 0.40 ng/u1

response 986927

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.81
80.00	12.00	10.58
0.00	0.00	0.00

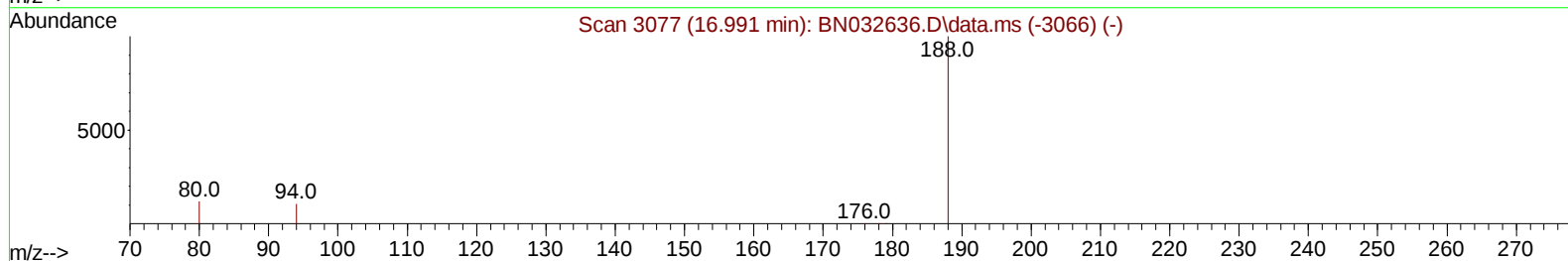
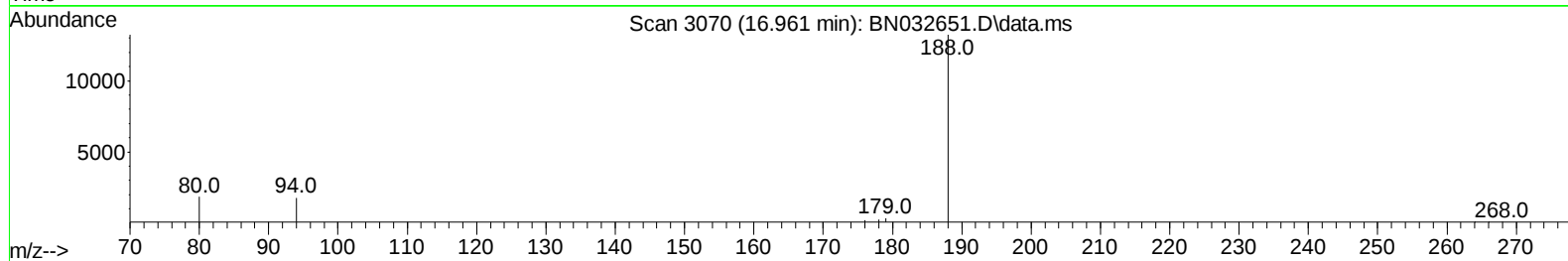
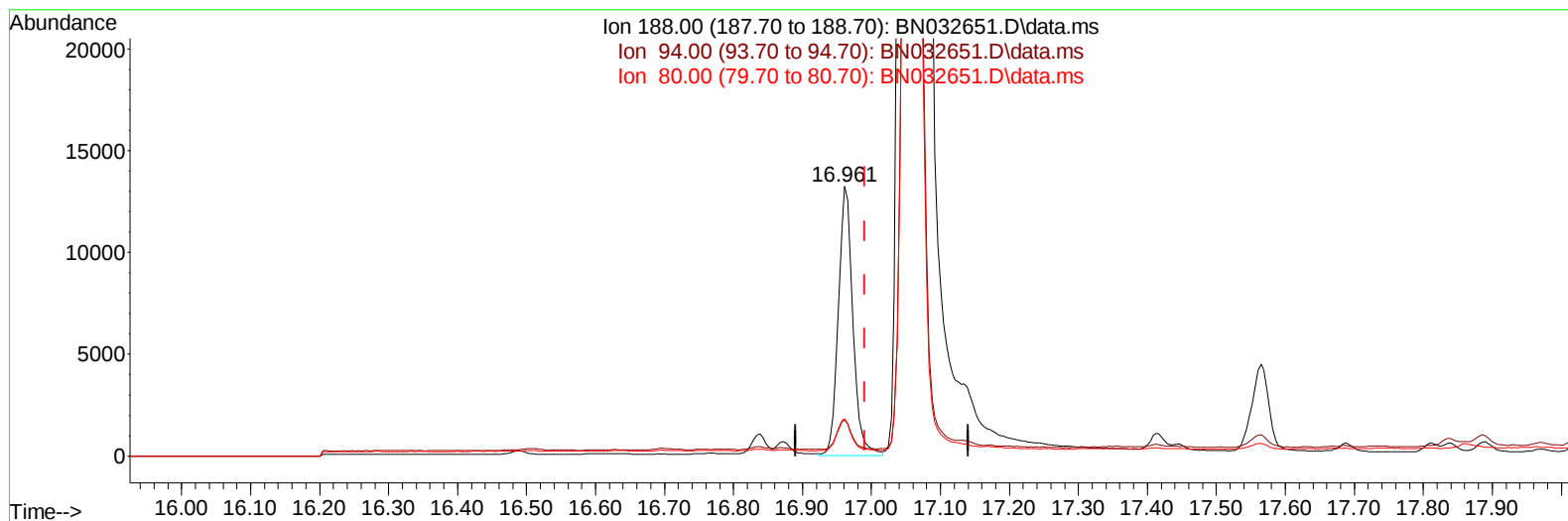
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(13) Phenanthrene-d10 (I)

16.961min (-0.030) 0.40 ng/ul m

response 19348

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	13.38#
80.00	12.00	13.83
0.00	0.00	0.00

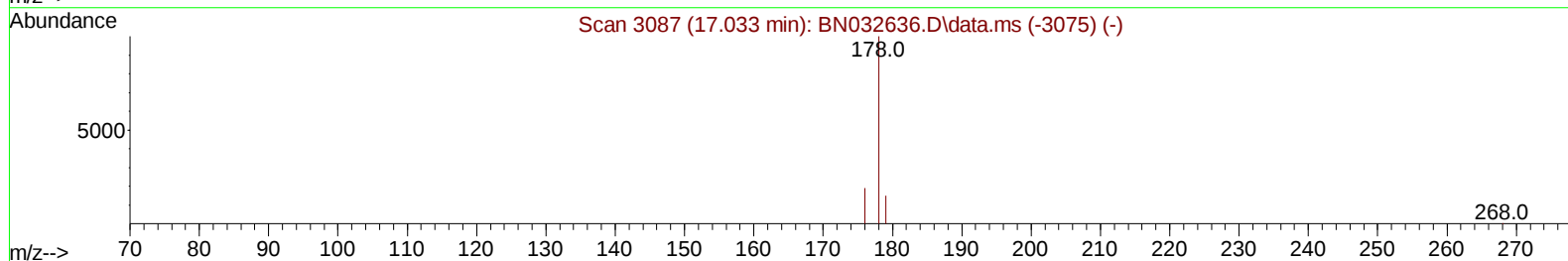
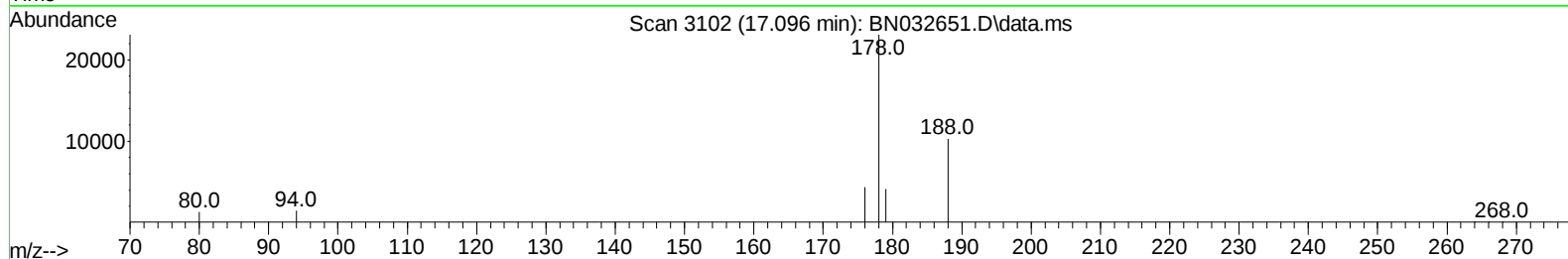
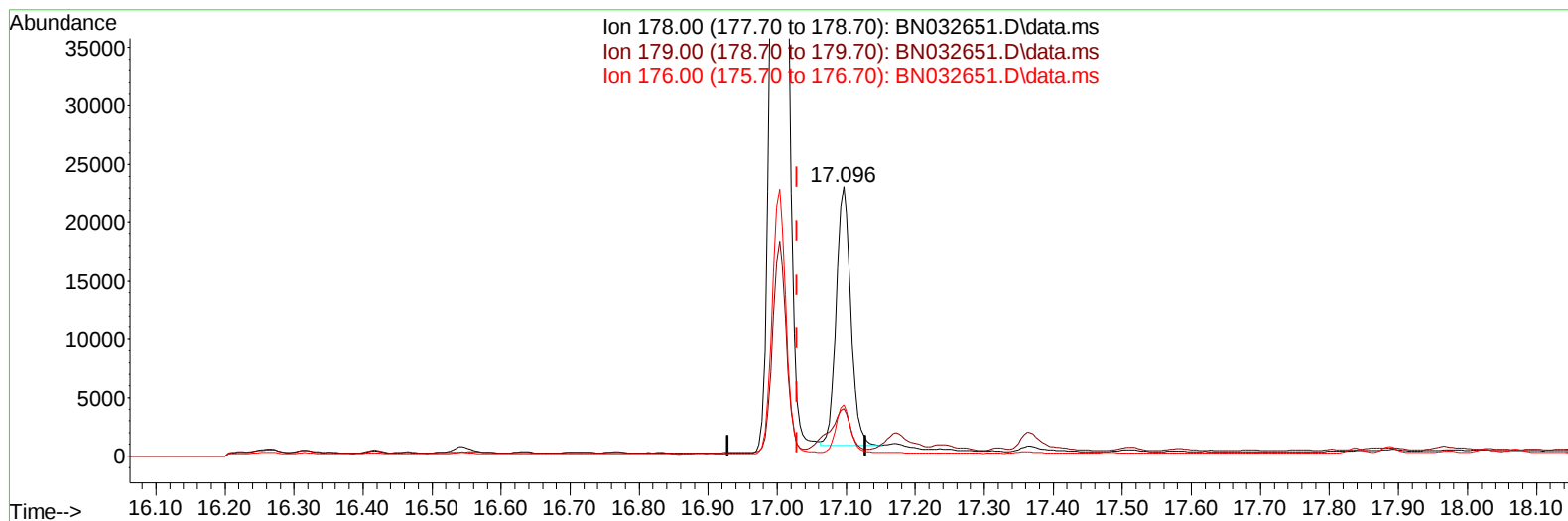
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(15) Phenanthrene

17.096min (+ 0.068) 0.61 ng/u1

response 32258

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.69
176.00	19.50	18.92
0.00	0.00	0.00

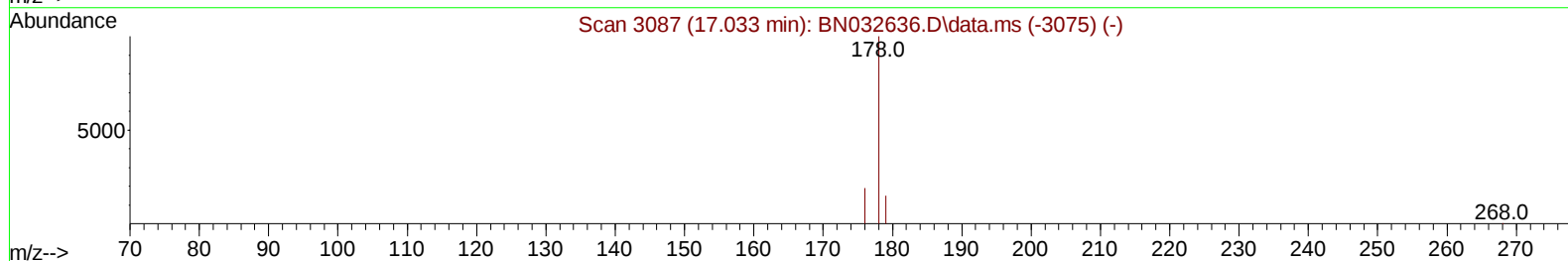
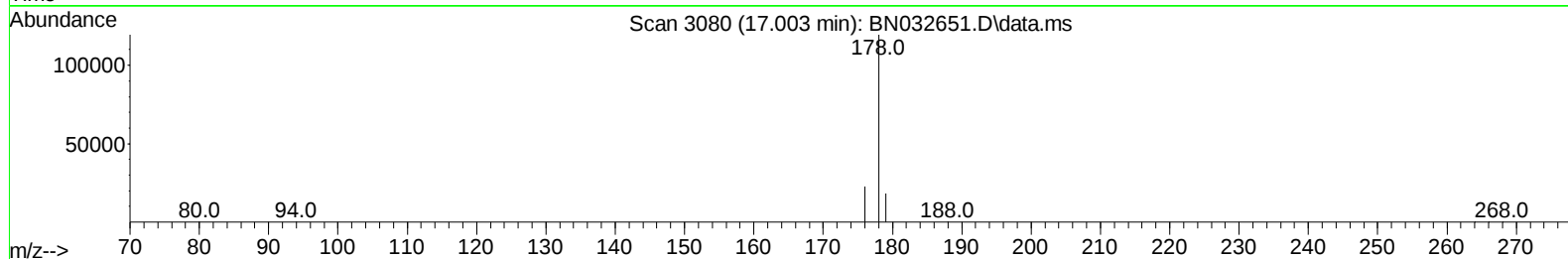
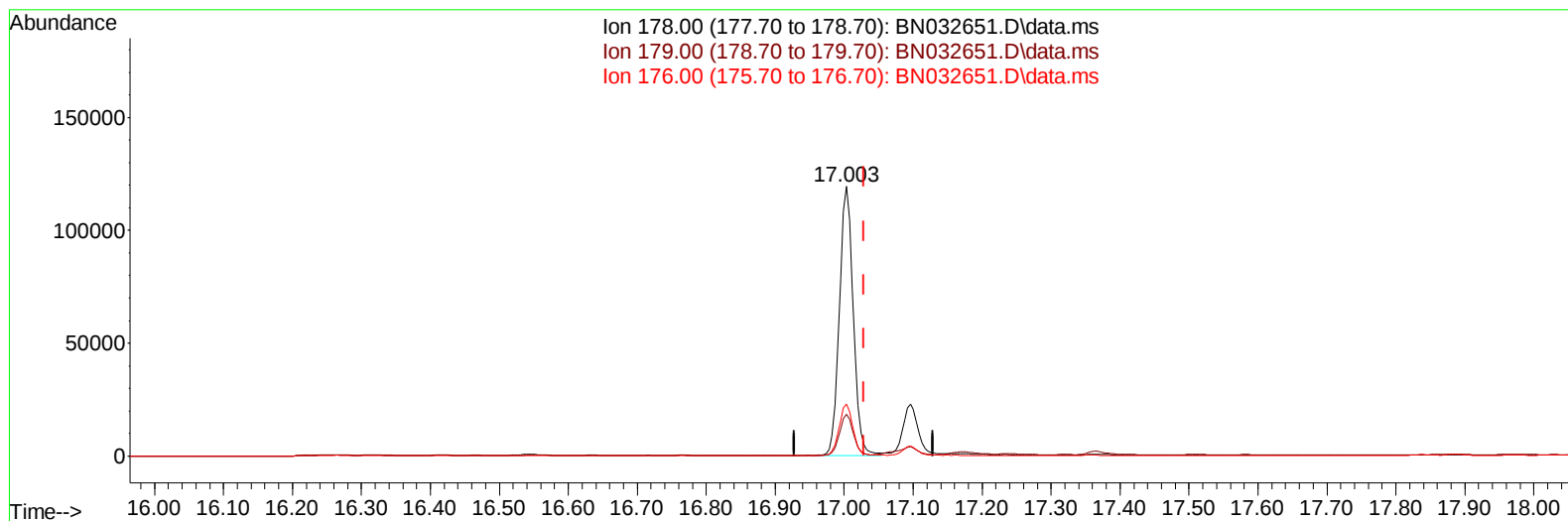
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(15) Phenanthrene

17.003min (-0.025) 3.16 ng/ul m

response 166524

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.38
176.00	19.50	19.15
0.00	0.00	0.00

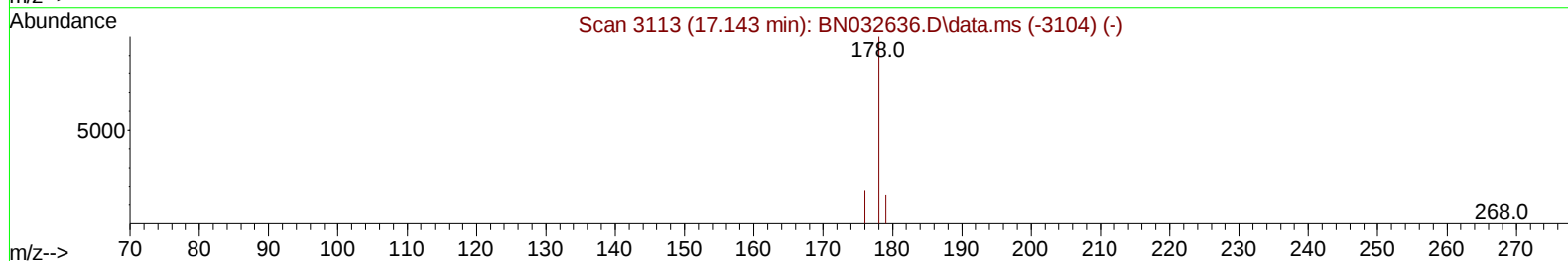
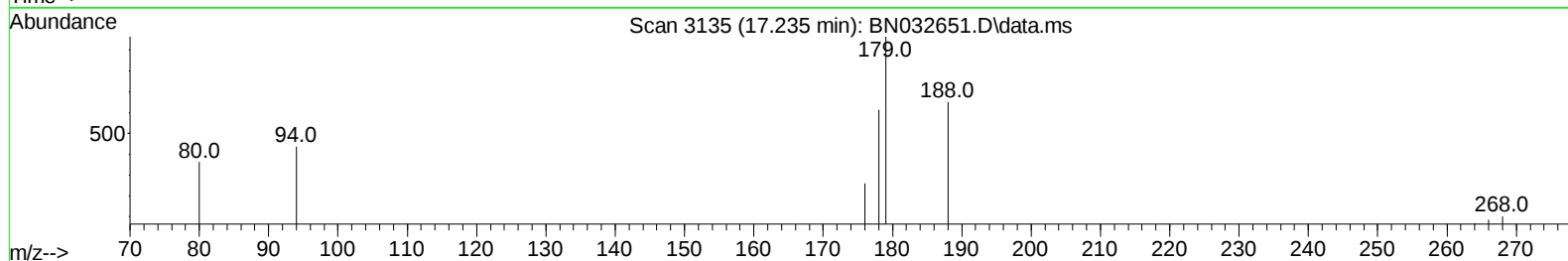
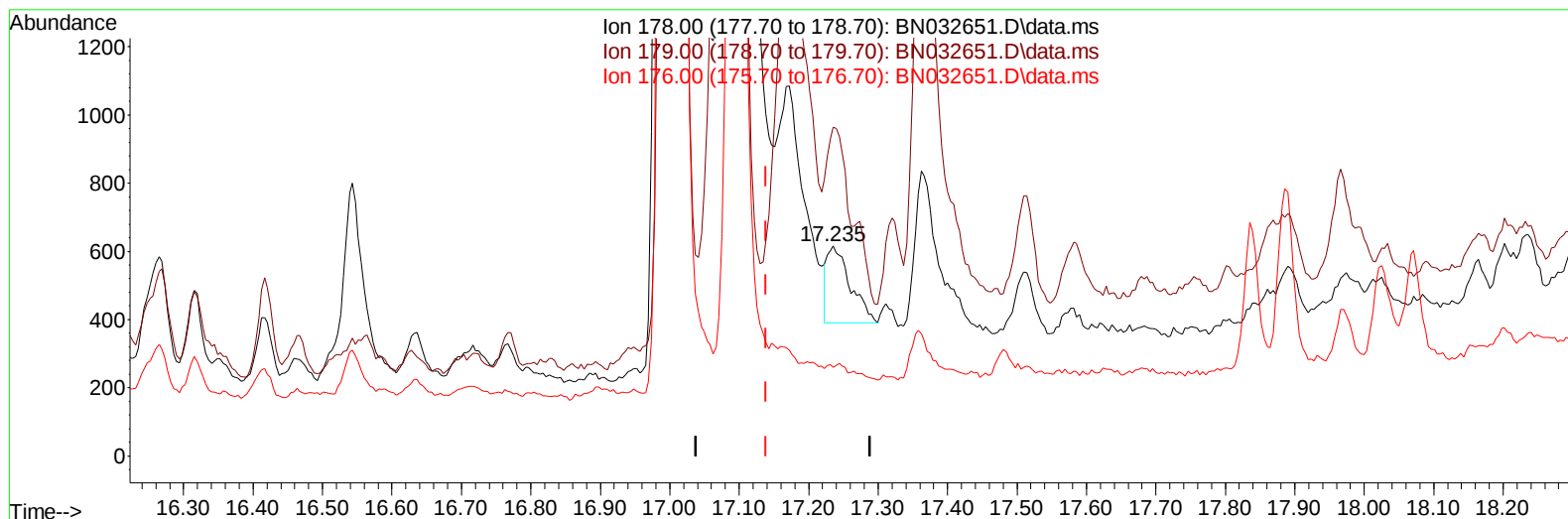
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032651.D\data.ms

(16) Anthracene

17.235min (+ 0.097) 0.01 ng/u1

response 515

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	156.91#
176.00	19.20	42.28#
0.00	0.00	0.00

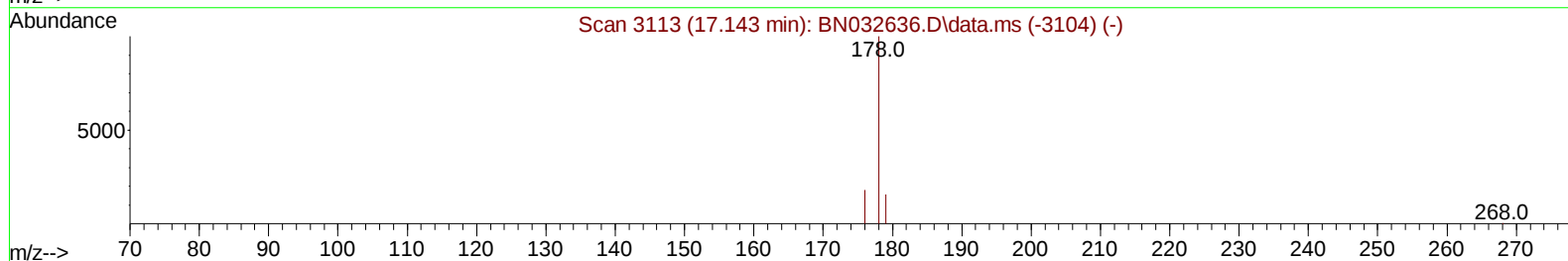
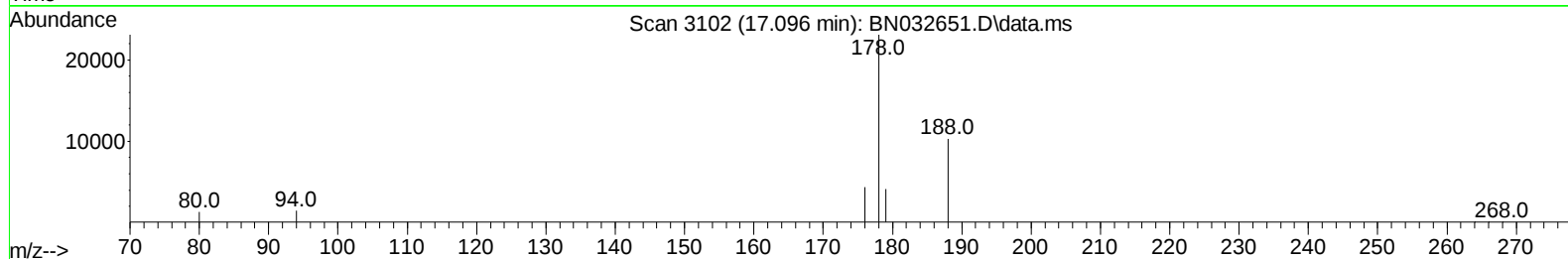
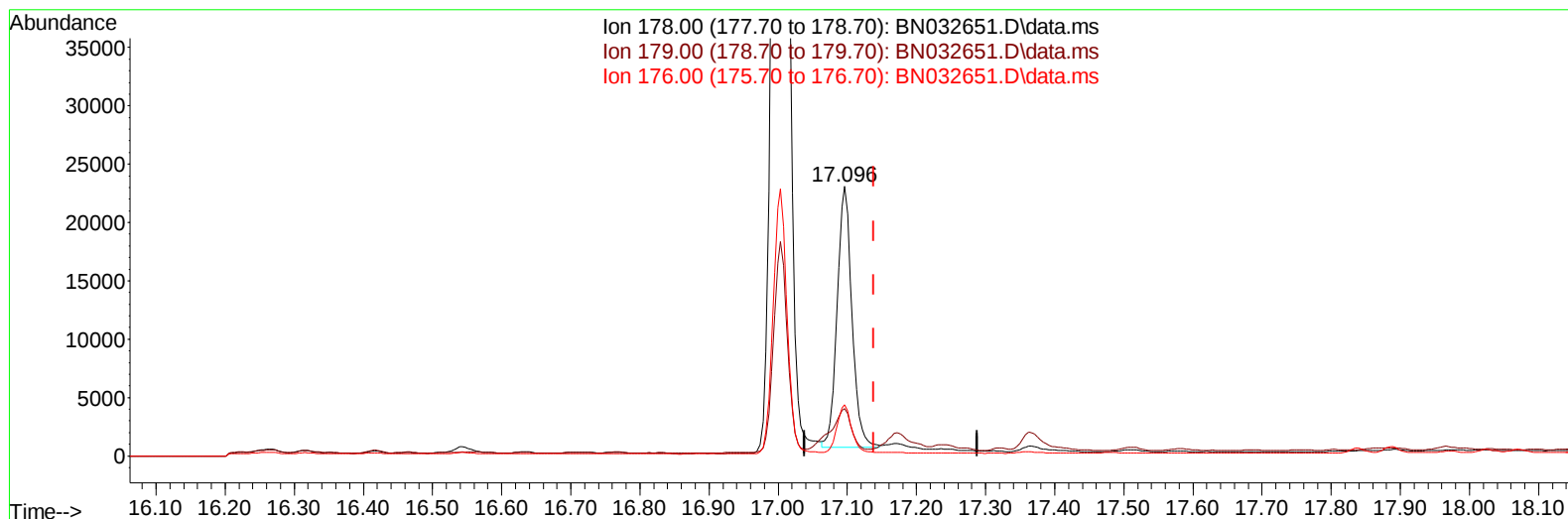
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(16) Anthracene

17.096min (-0.042) 0.77 ng/ul m

response 33025

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.69
176.00	19.20	18.92
0.00	0.00	0.00

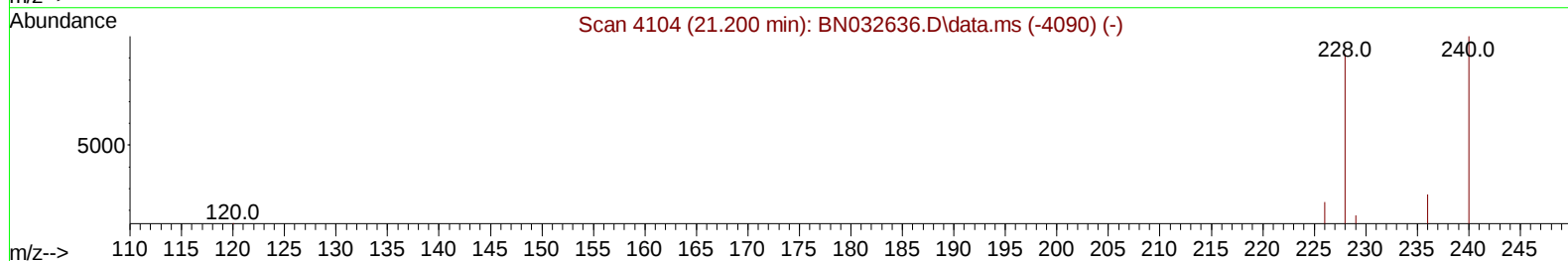
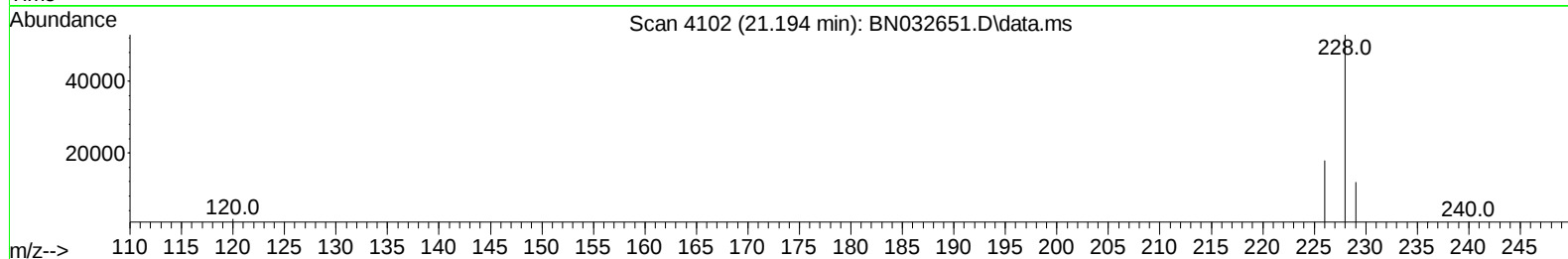
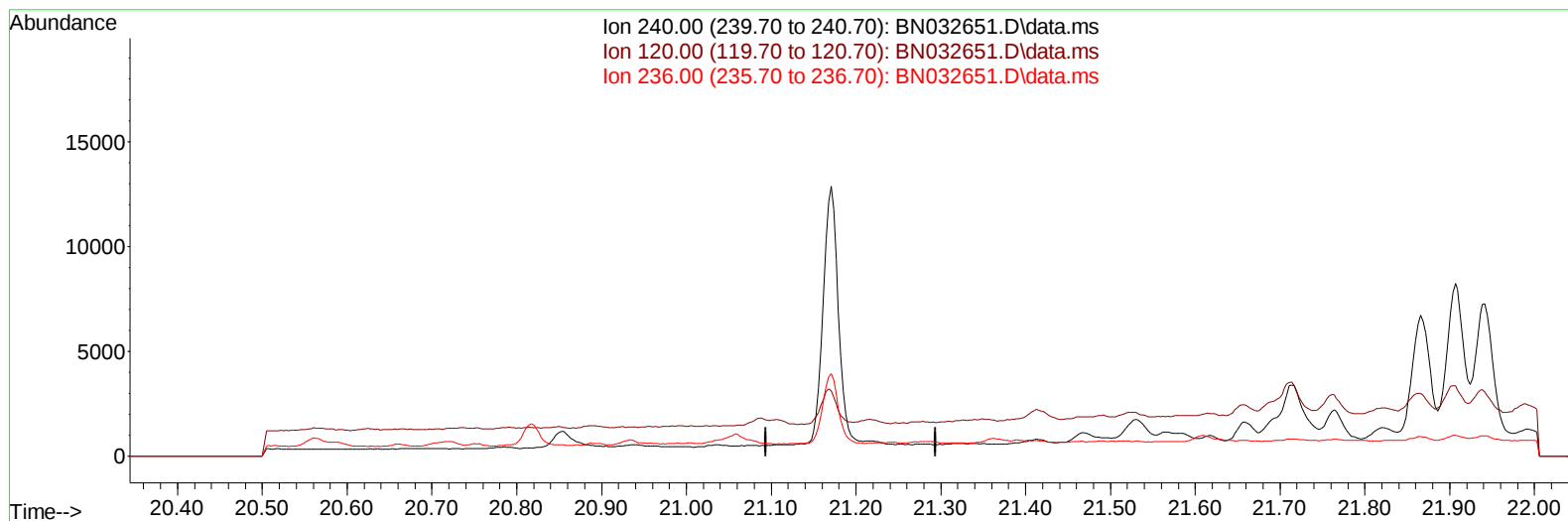
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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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TIC: BN032651.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

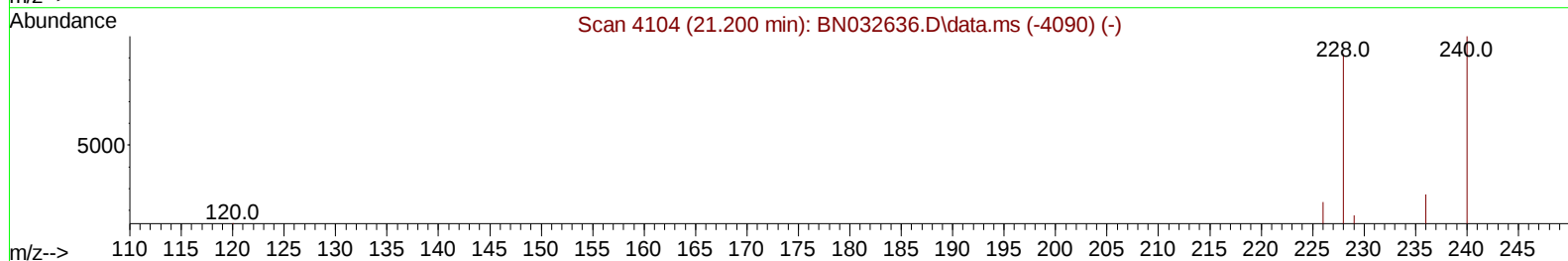
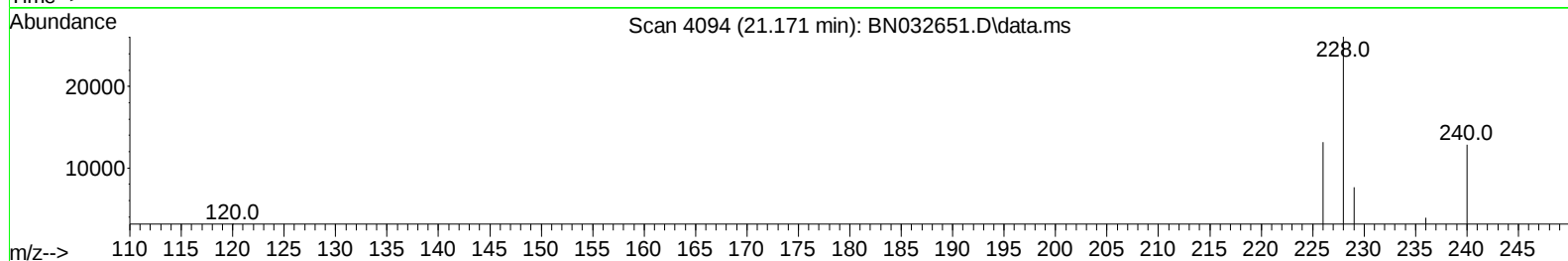
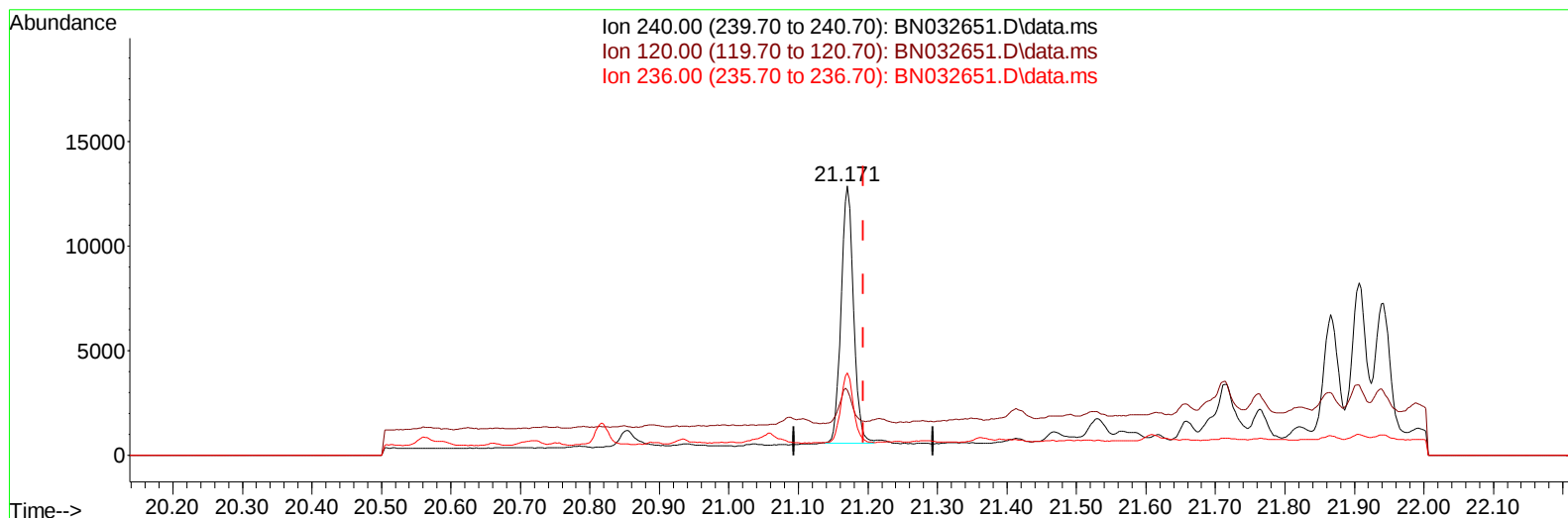
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(17) Chrysene-d12

21.171min (-0.023) 0.40 ng/u1 m

response 15285

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	24.30#
236.00	28.40	30.45
0.00	0.00	0.00

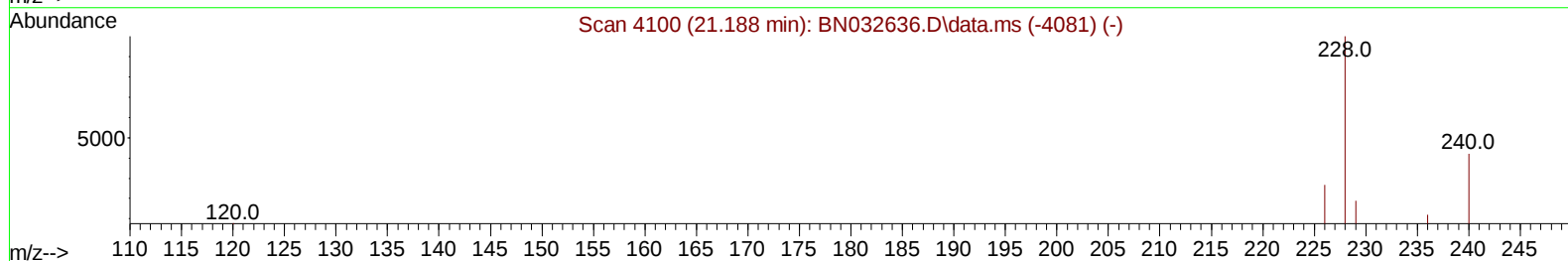
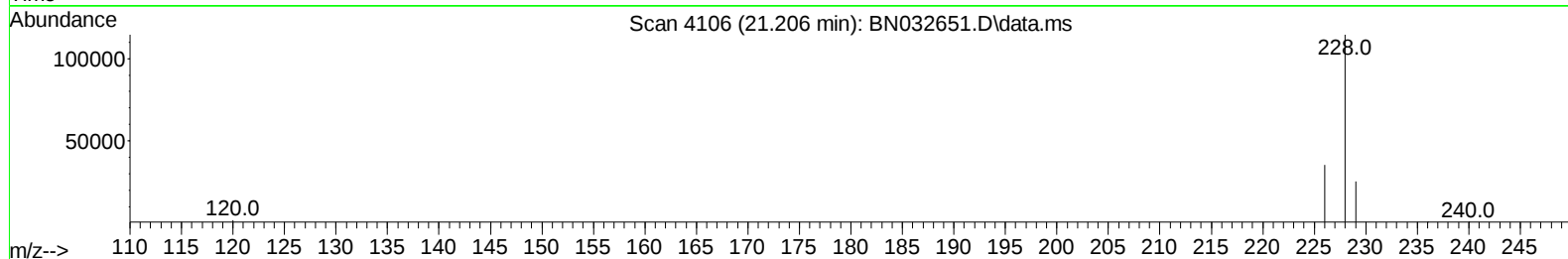
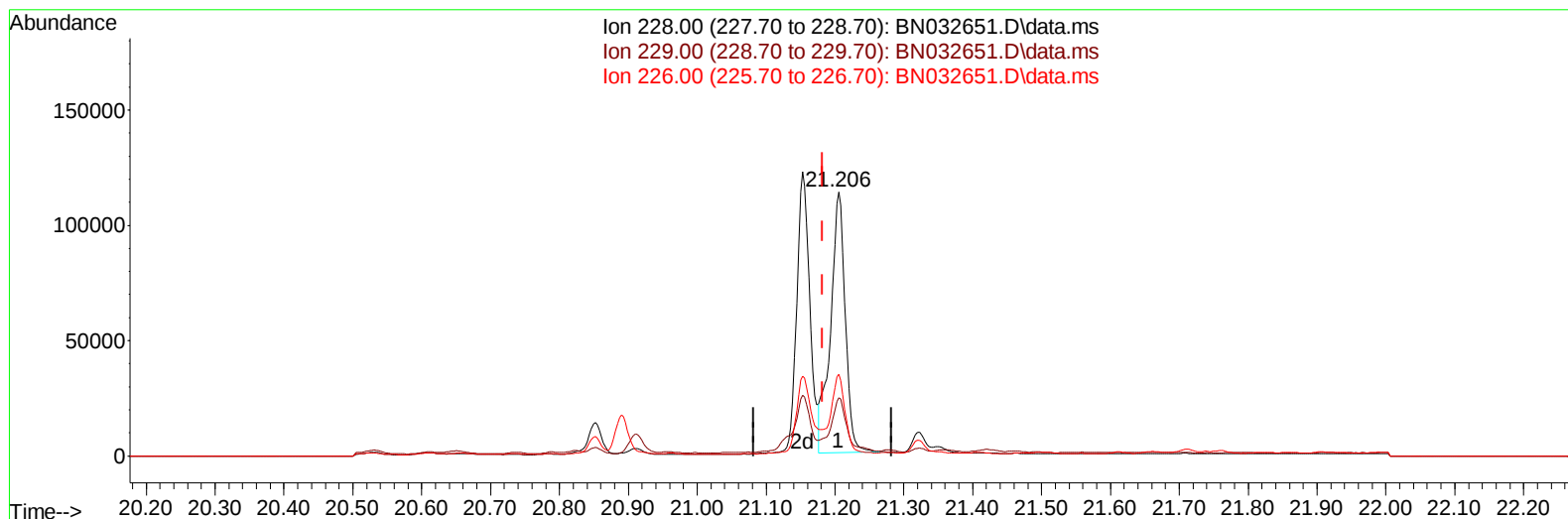
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 01:57:18 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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TIC: BN032651.D\data.ms

(21) Benzo(a)anthracene

21.206min (+ 0.023) 3.46 ng/u1

response 168566

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.97
226.00	27.40	30.91
0.00	0.00	0.00

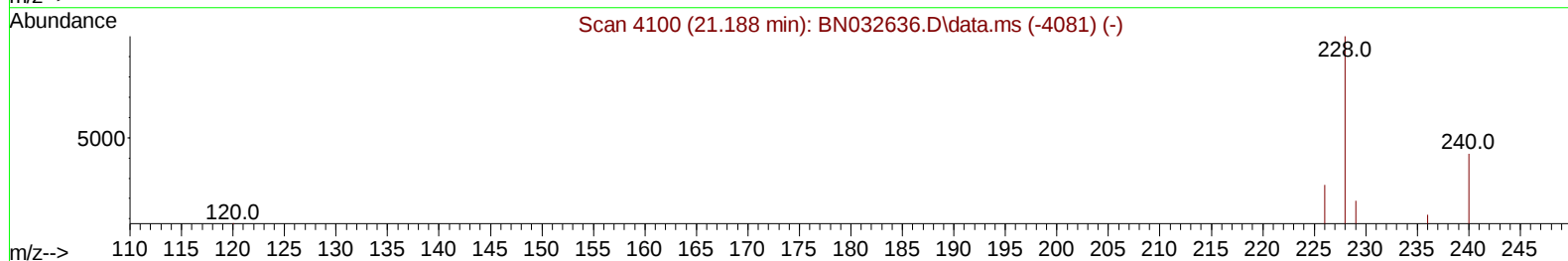
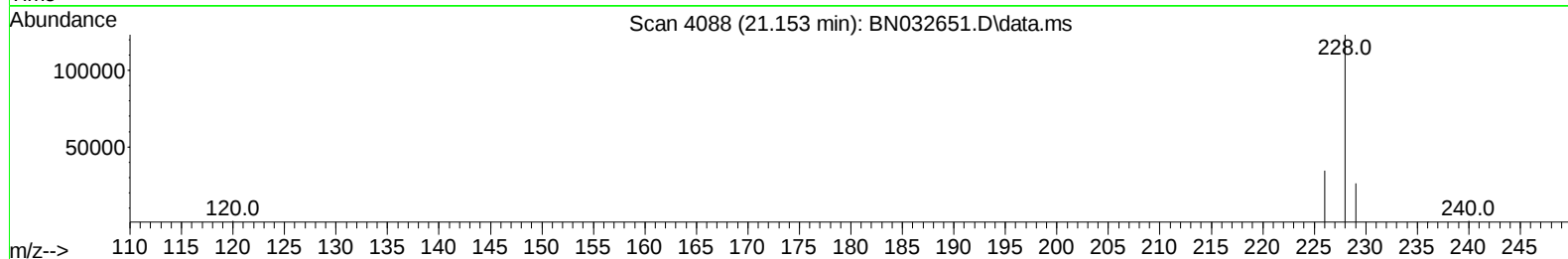
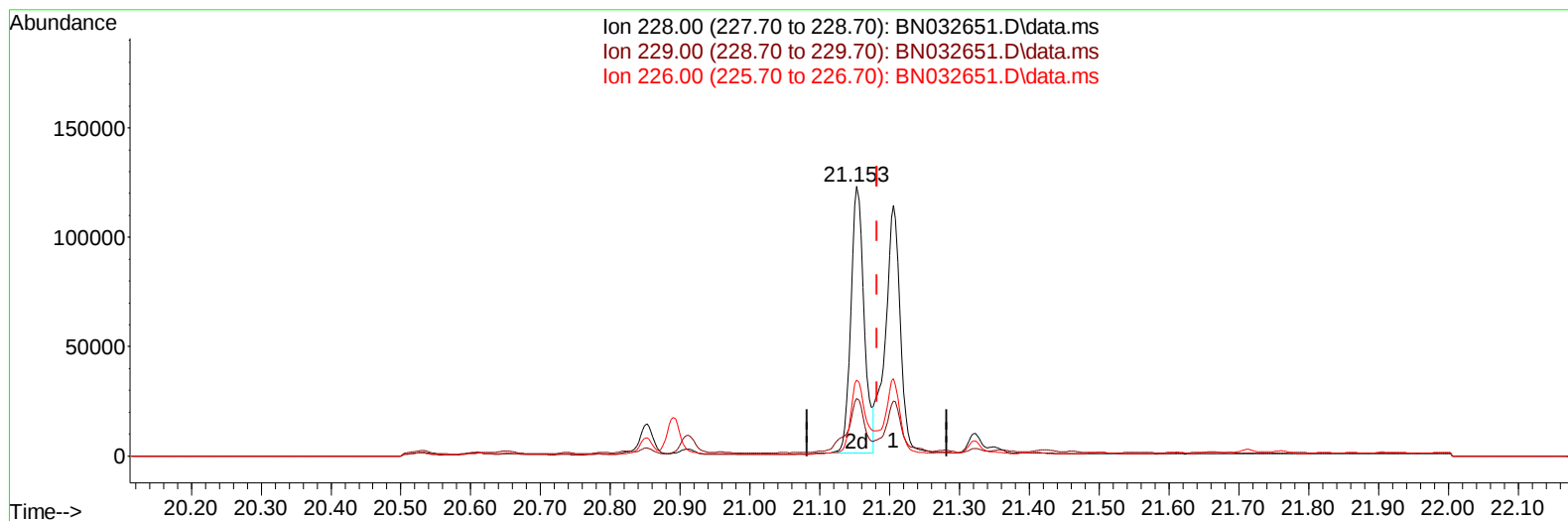
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032651.D\data.ms

(21) Benzo(a)anthracene

21.153min (-0.029) 3.32 ng/ul m

response 161566

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.43
226.00	27.40	28.10
0.00	0.00	0.00

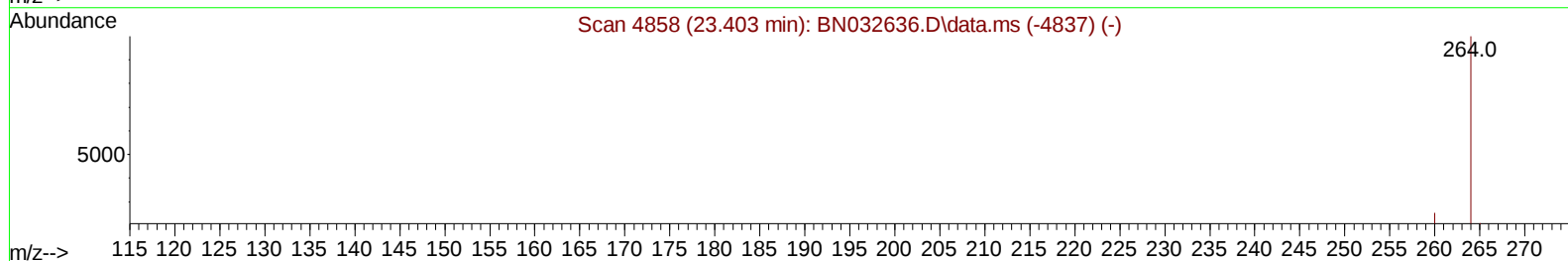
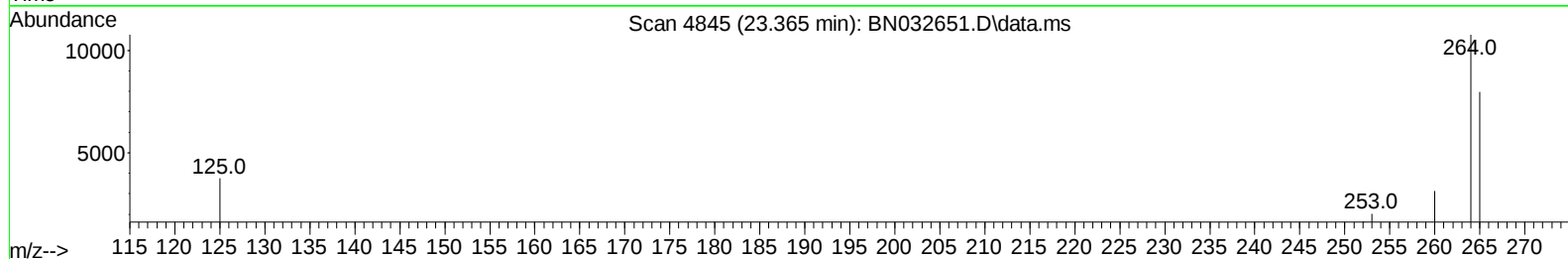
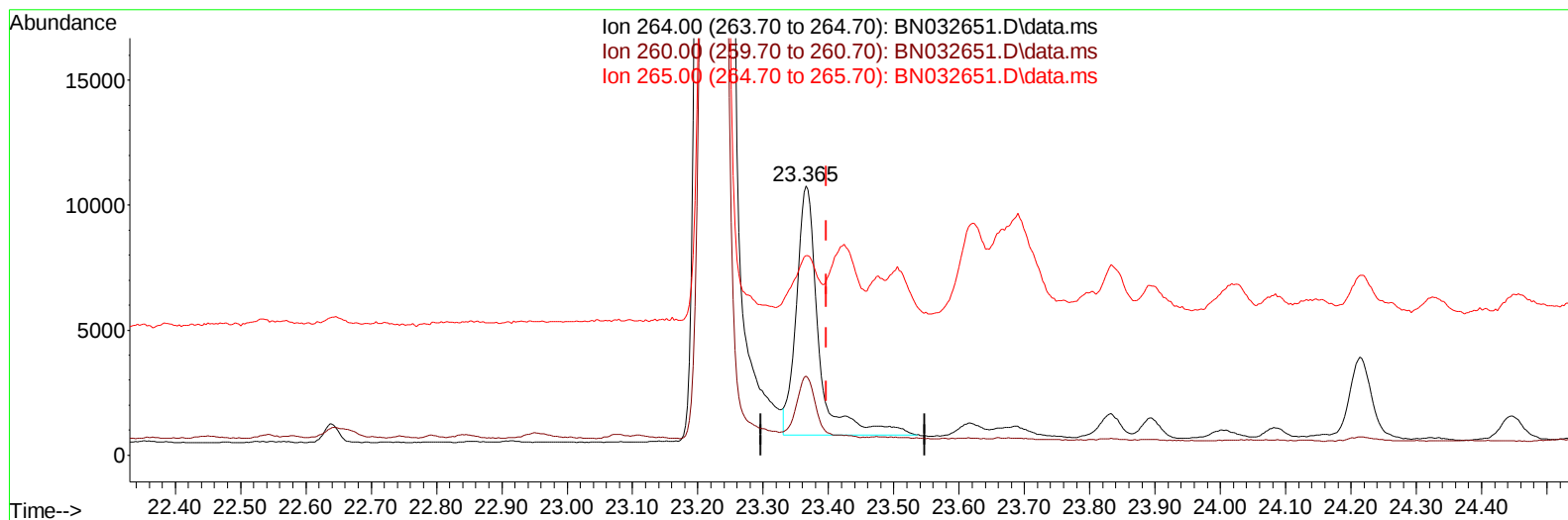
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032651.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/u1

response 23744

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.27
265.00	95.50	74.08#
0.00	0.00	0.00

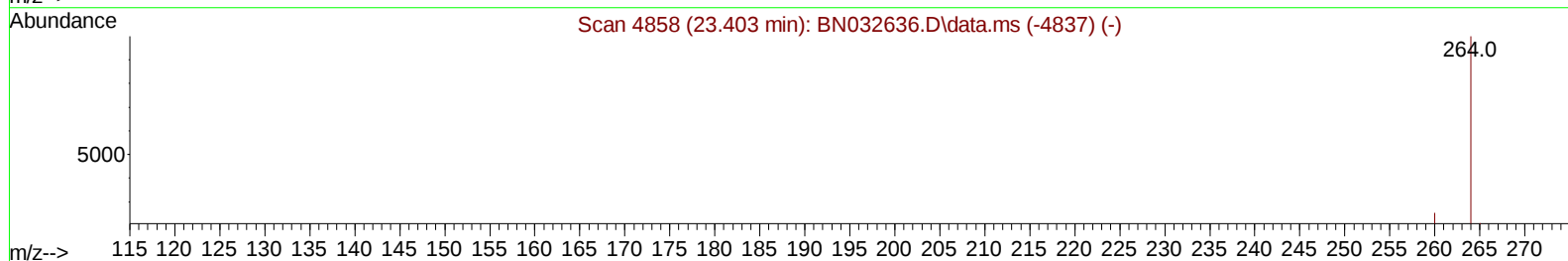
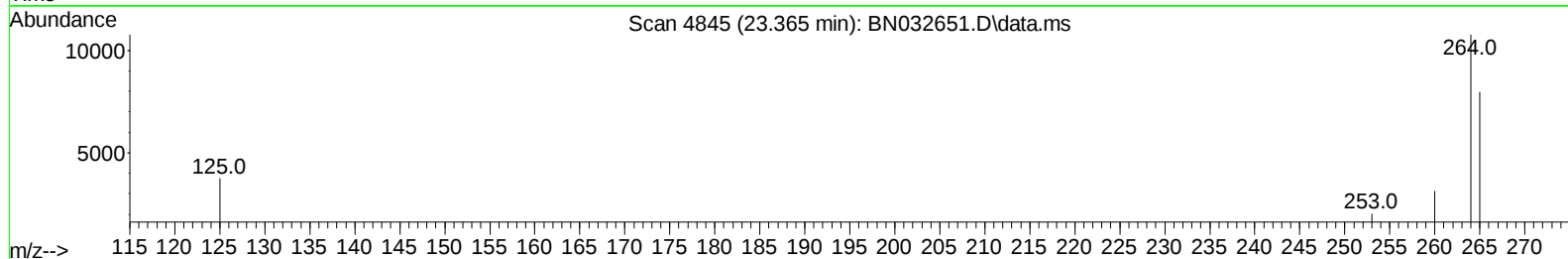
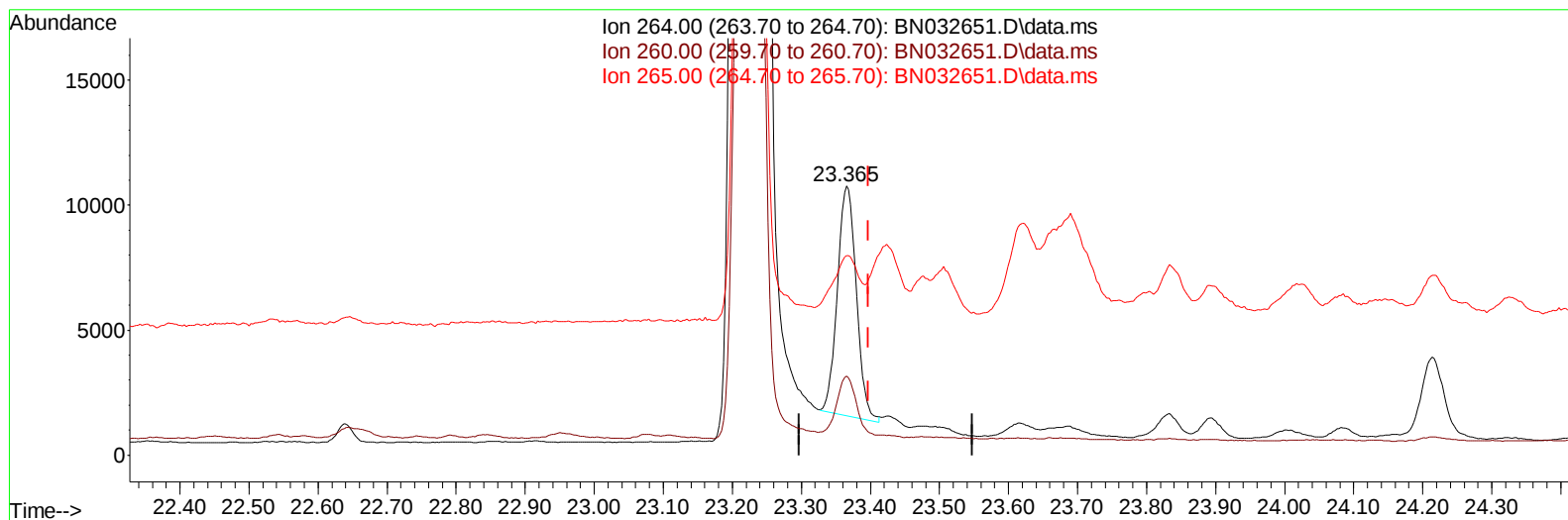
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

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TIC: BN032651.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/ul m

response 17399

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	29.27
265.00	95.50	74.08#
0.00	0.00	0.00

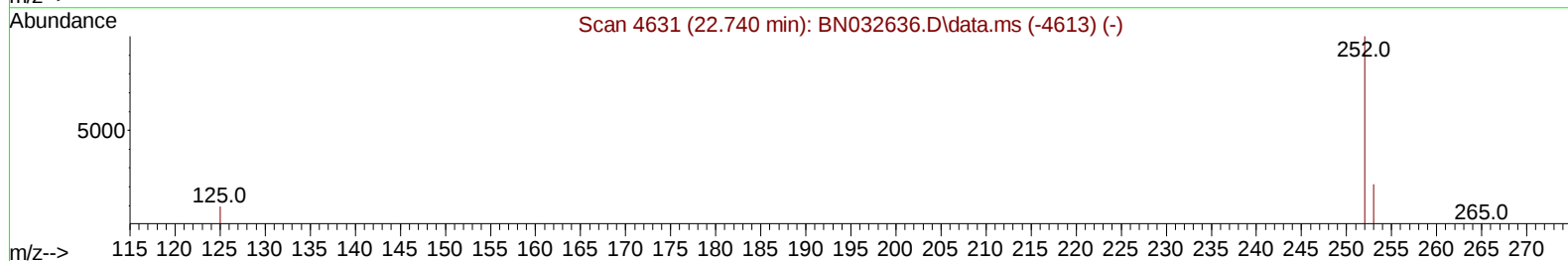
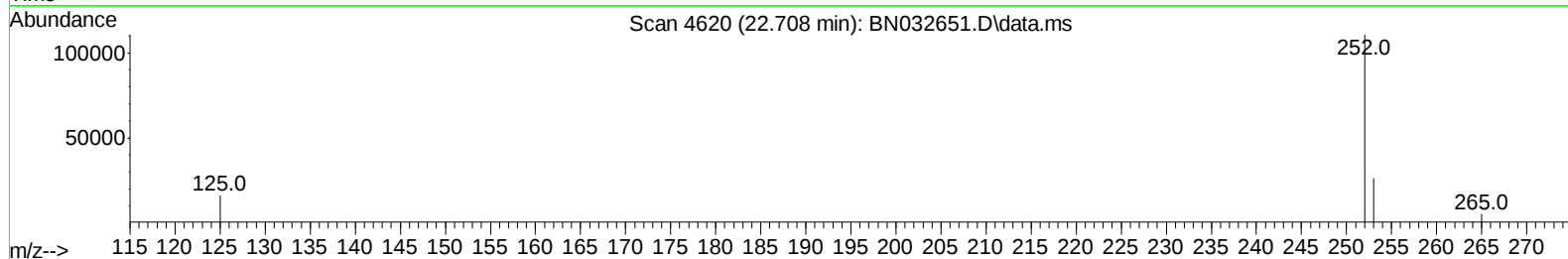
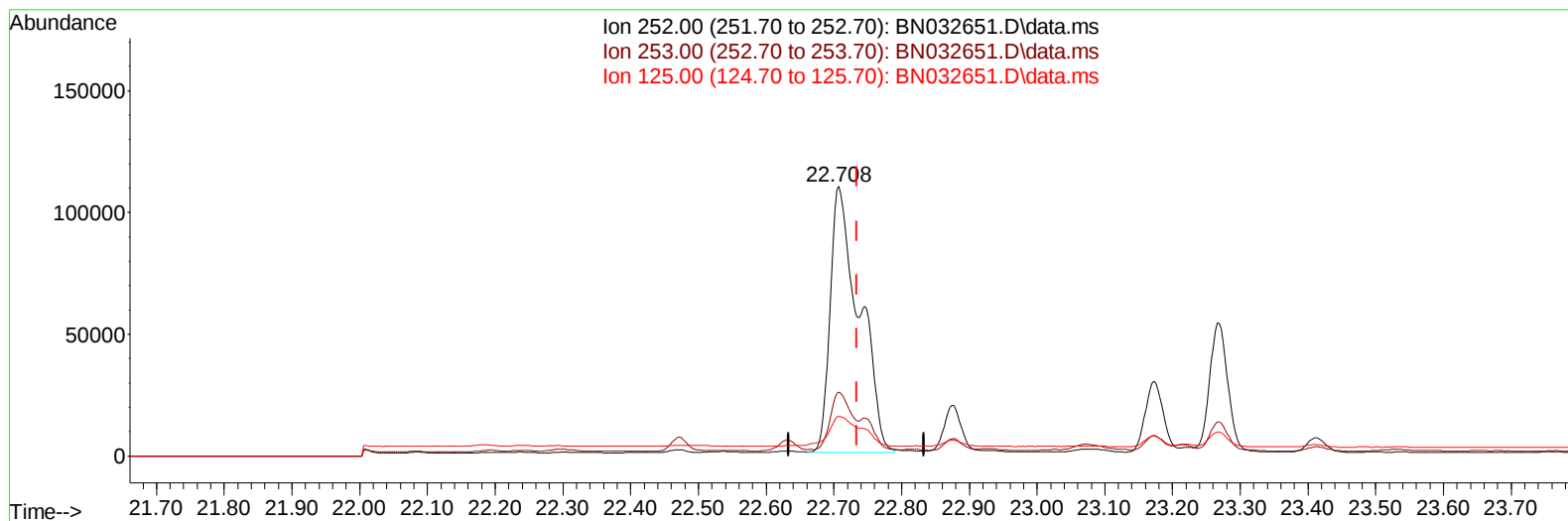
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 2024
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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032651.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 5.27 ng/u1

response 323755

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.78
125.00	18.00	14.70
0.00	0.00	0.00

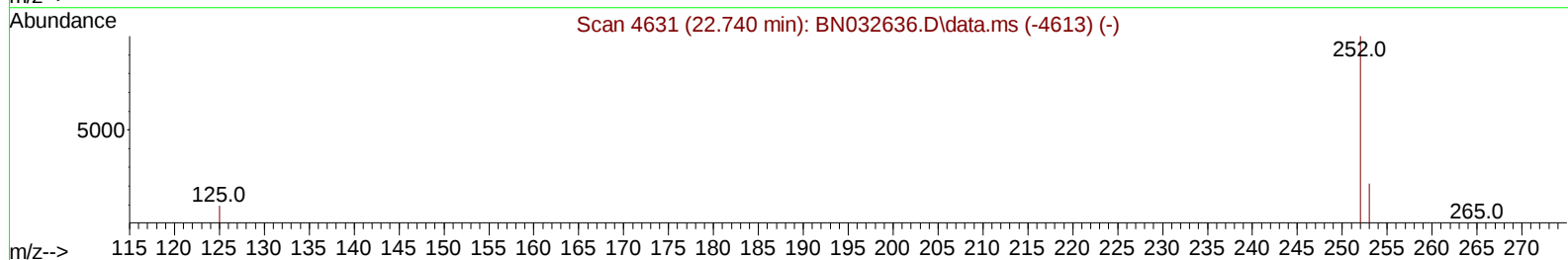
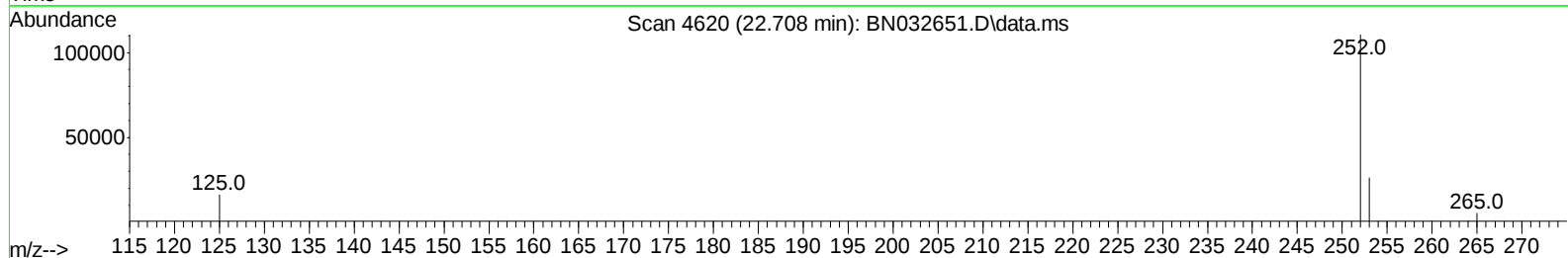
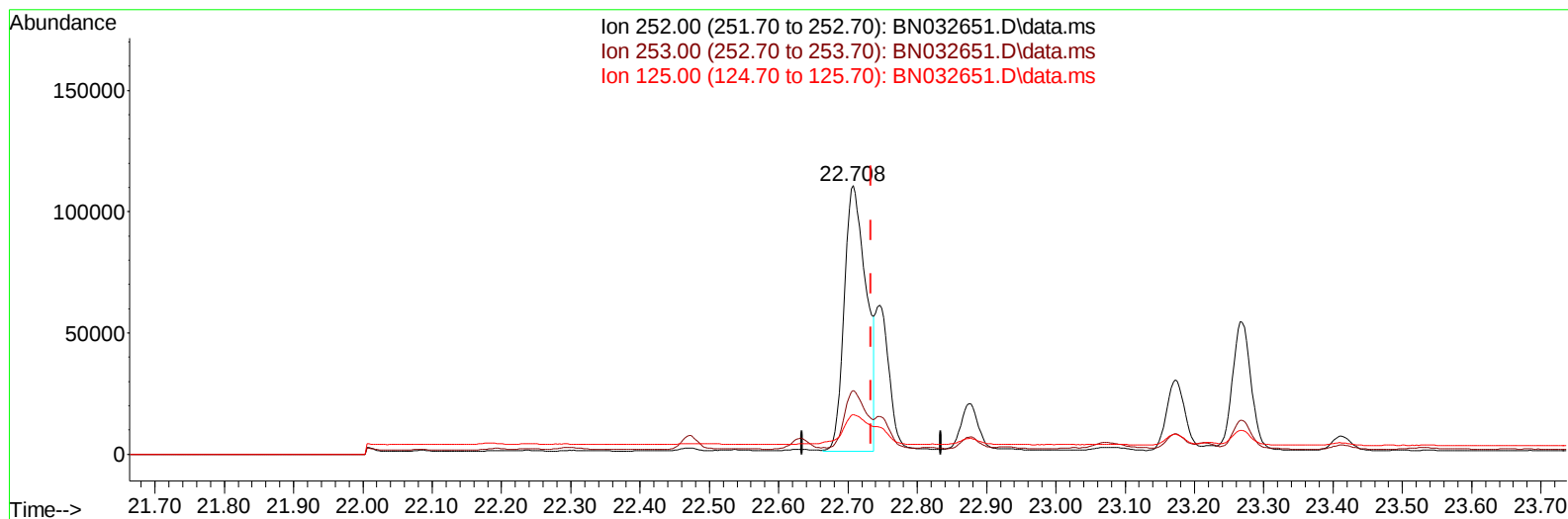
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

Quant Time: Jul 12 01:57:18 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: BN032651.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 3.95 ng/u1 m

response 242324

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.78
125.00	18.00	14.70
0.00	0.00	0.00

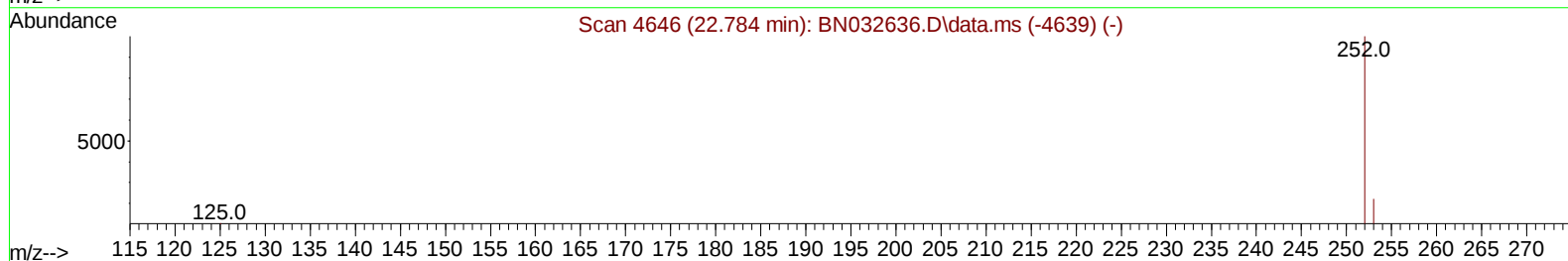
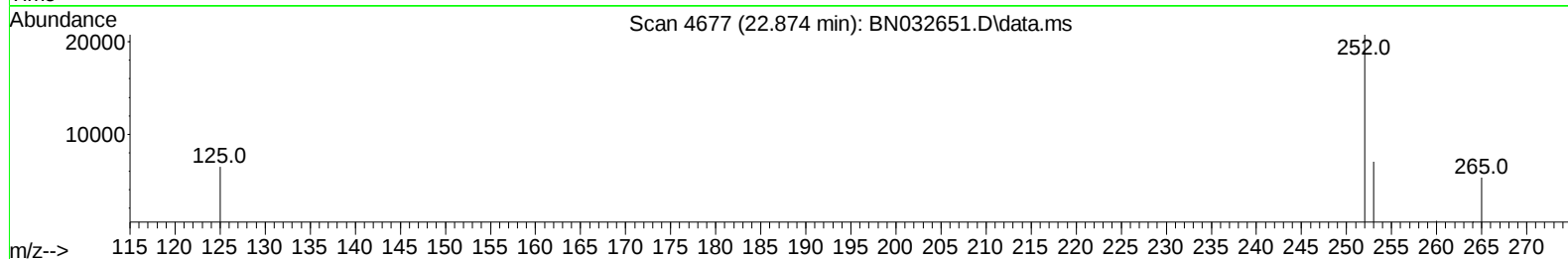
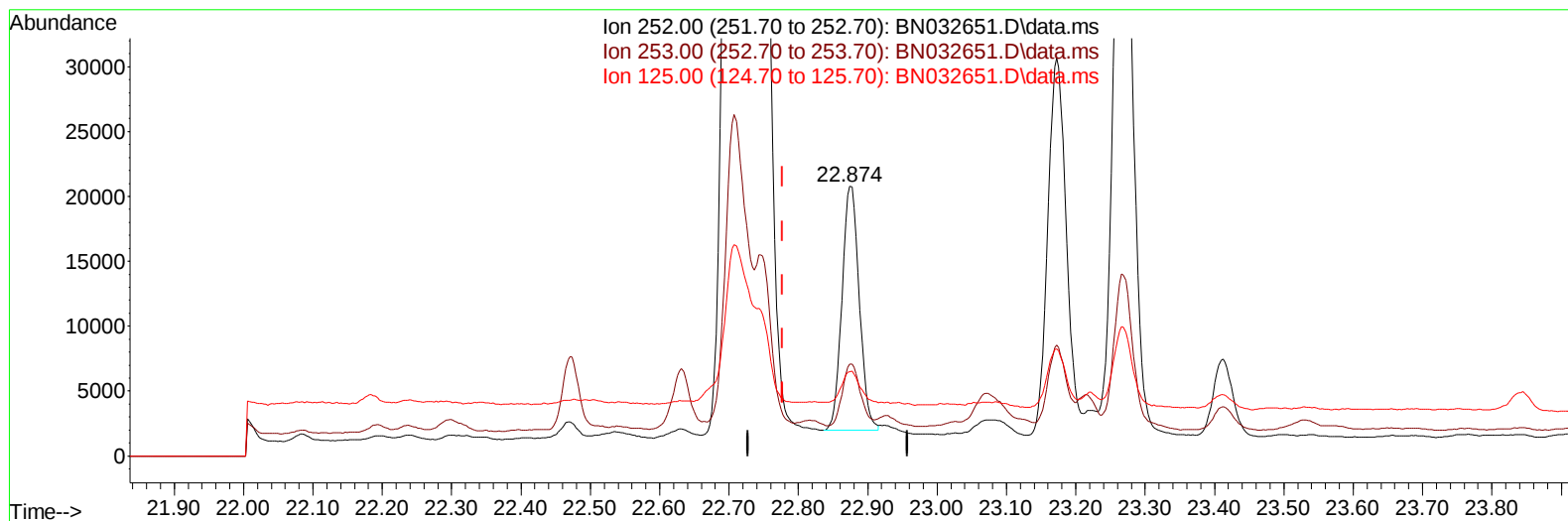
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

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TIC: BN032651.D\data.ms

(25) Benzo(k)fluoranthene

22.874min (+ 0.096) 0.43 ng/u1

response 32470

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	34.03#
125.00	18.50	31.25#
0.00	0.00	0.00

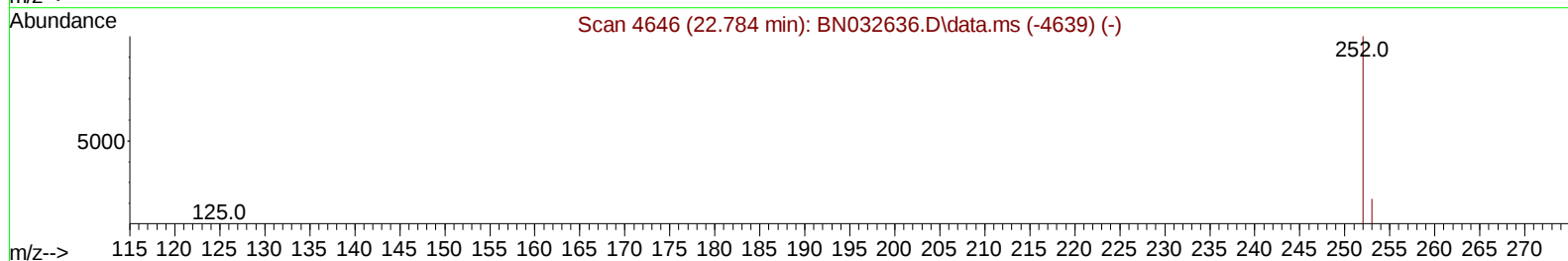
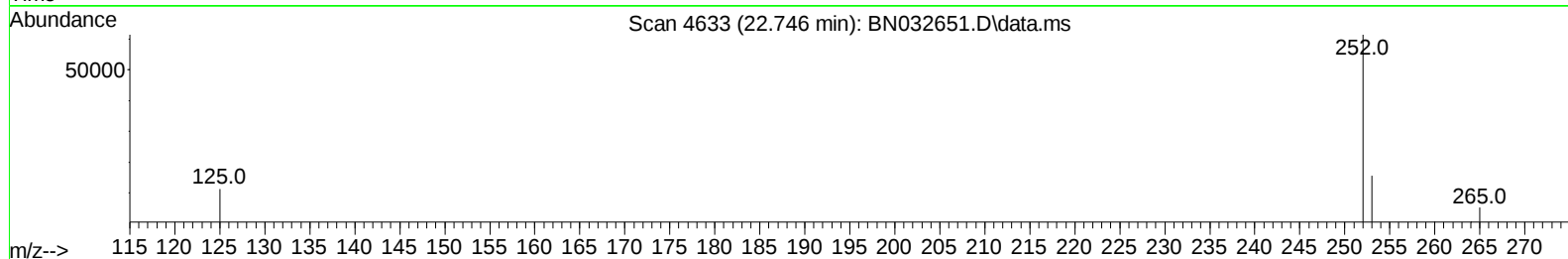
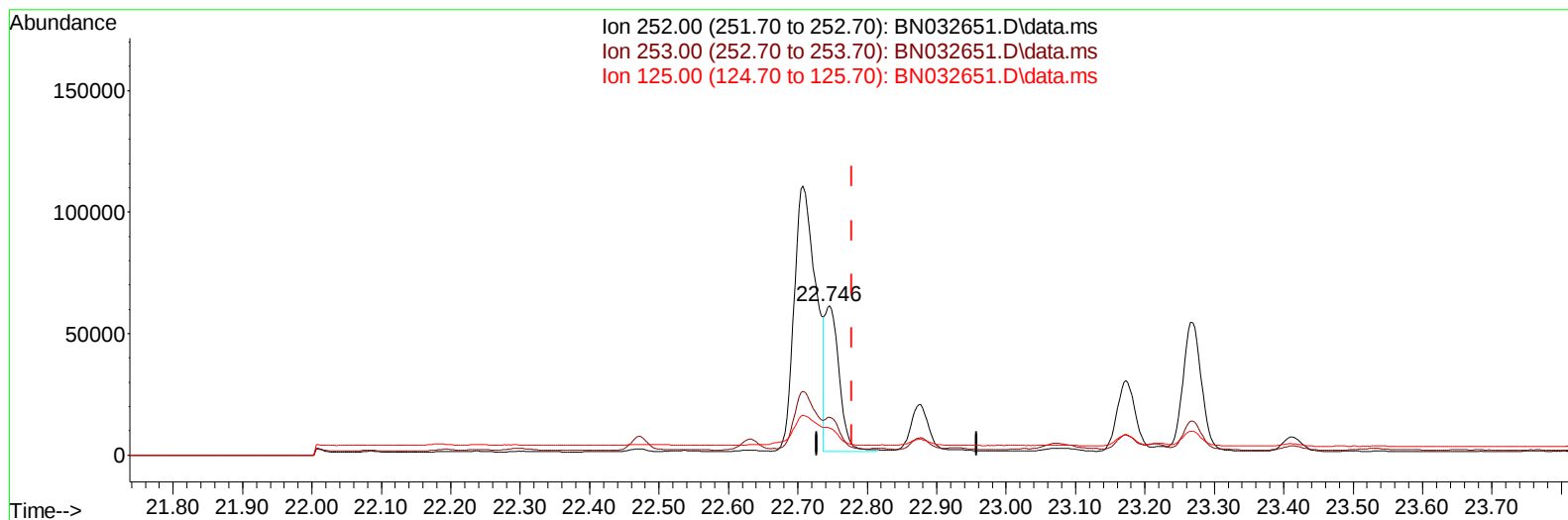
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032651.D
Acq On : 12 Jul 2024 00:22
Operator : MA/JU
Sample : P3035-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CX7

Manual IntegrationsAPPROVED

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Quant Time: Jul 12 01:57:18 2024
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TIC: BN032651.D\data.ms

(25) Benzo(k)fluoranthene

22.746min (-0.032) 1.13 ng/u1 m

response 84660

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	25.27
125.00	18.50	18.32
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3035-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CX7

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	6557	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.327	136	19548	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.207	164	10165	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.961	188	19348m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240	15285m	0.400	ng/ul	-0.02
23) Perylene-d12	23.365	264	17399m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.105	96	25360	3.221	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	6521	0.221	ng/ul	-0.04
18) Fluoranthene-d10	19.003	212	12597	0.253	ng/ul	-0.02
Target Compounds						
						Qvalue
5) Naphthalene	10.376	128	10829	0.206	ng/ul	99
7) 2-Methylnaphthalene	12.004	142	3005	0.092	ng/ul	97
8) 1-Methylnaphthalene	12.224	142	2222	0.066	ng/ul	100
10) Acenaphthylene	13.925	152	15489	0.377	ng/ul	99
11) Acenaphthene	14.267	153	7406	0.218	ng/ul	100
12) Fluorene	15.262	166	8861	0.228	ng/ul	99
15) Phenanthrene	17.003	178	166524m	3.160	ng/ul	
16) Anthracene	17.096	178	33025m	0.767	ng/ul	
19) Fluoranthene	19.031	202	335153	5.393	ng/ul	98
20) Pyrene	19.399	202	249401	3.877	ng/ul	97
21) Benzo(a)anthracene	21.153	228	161566m	3.321	ng/ul	
22) Chrysene	21.206	228	169802	2.412	ng/ul	97
24) Benzo(b)fluoranthene	22.708	252	242324m	3.947	ng/ul	
25) Benzo(k)fluoranthene	22.746	252	84660m	1.132	ng/ul	
26) Benzo(a)pyrene	23.266	252	99552	1.874	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	25.572	276	93345	1.298	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.572	278	31345	0.562	ng/ul#	84
29) Benzo(g,h,i)perylene	26.257	276	14193	0.236	ng/ul#	76

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

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Instrument :
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