

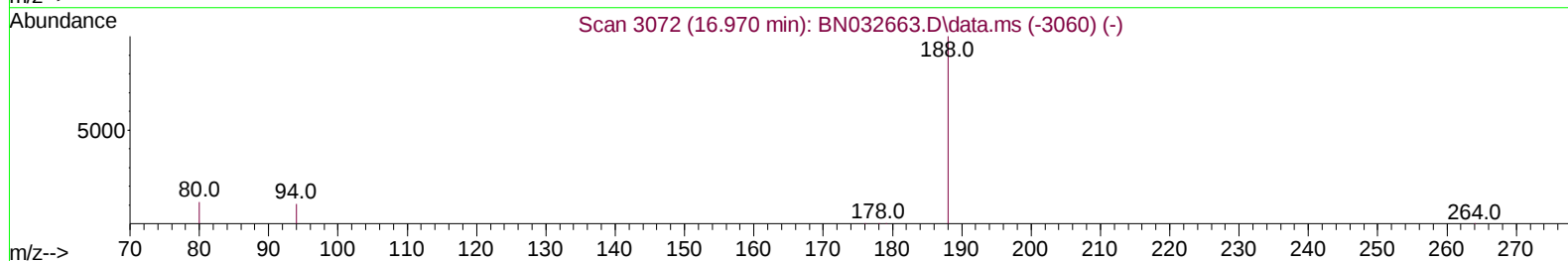
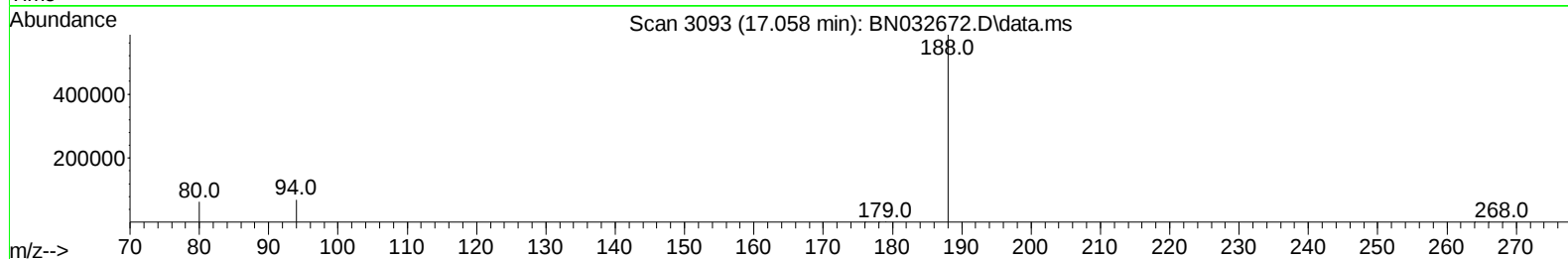
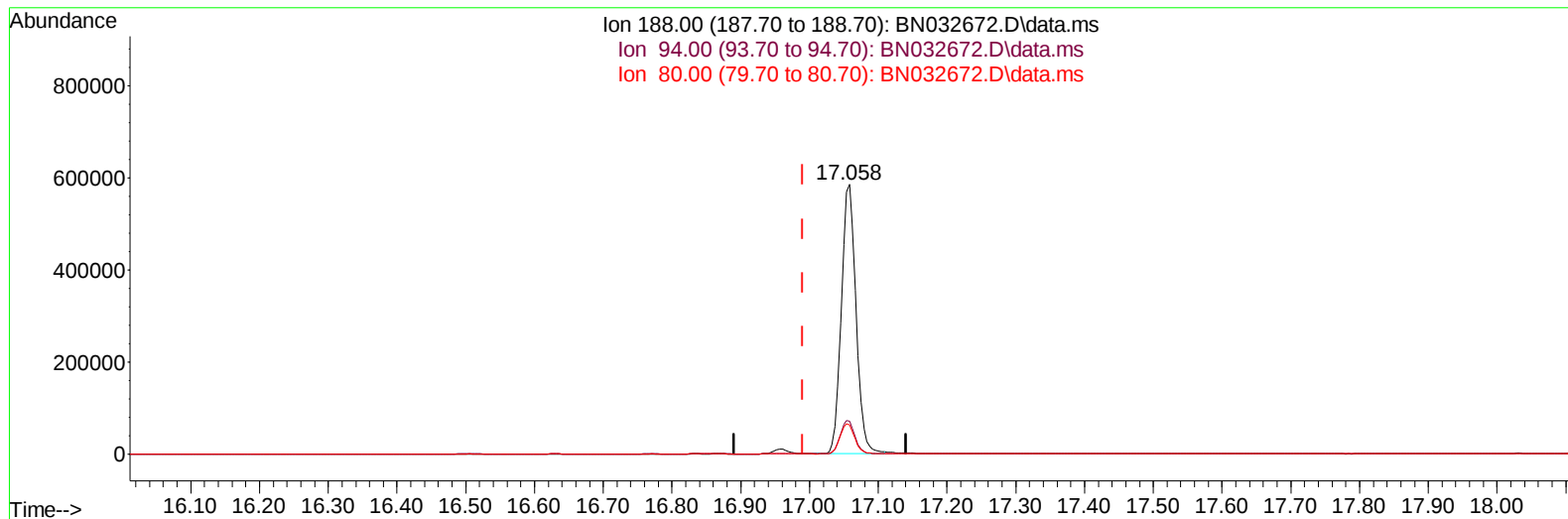
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.067) 0.40 ng/u1

response 870312

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.05
80.00	12.00	10.80
0.00	0.00	0.00

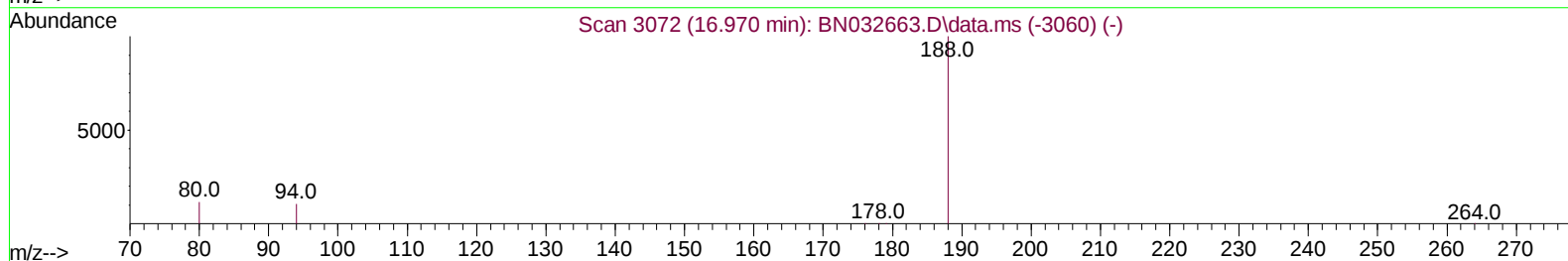
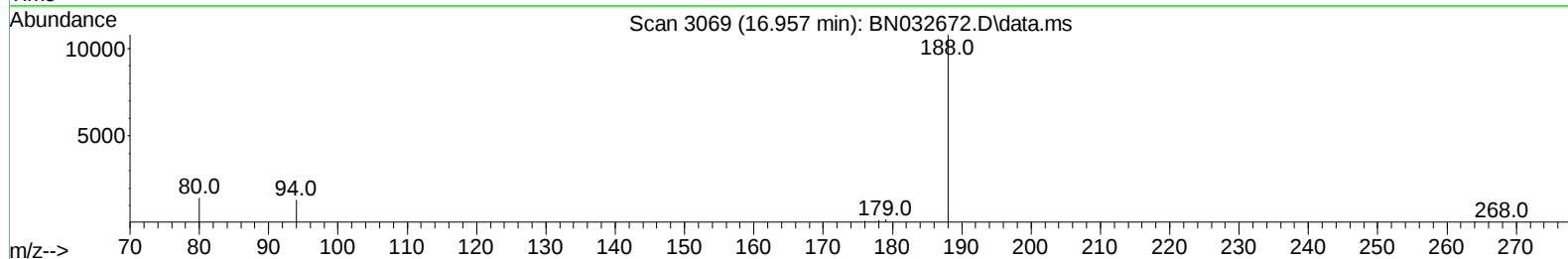
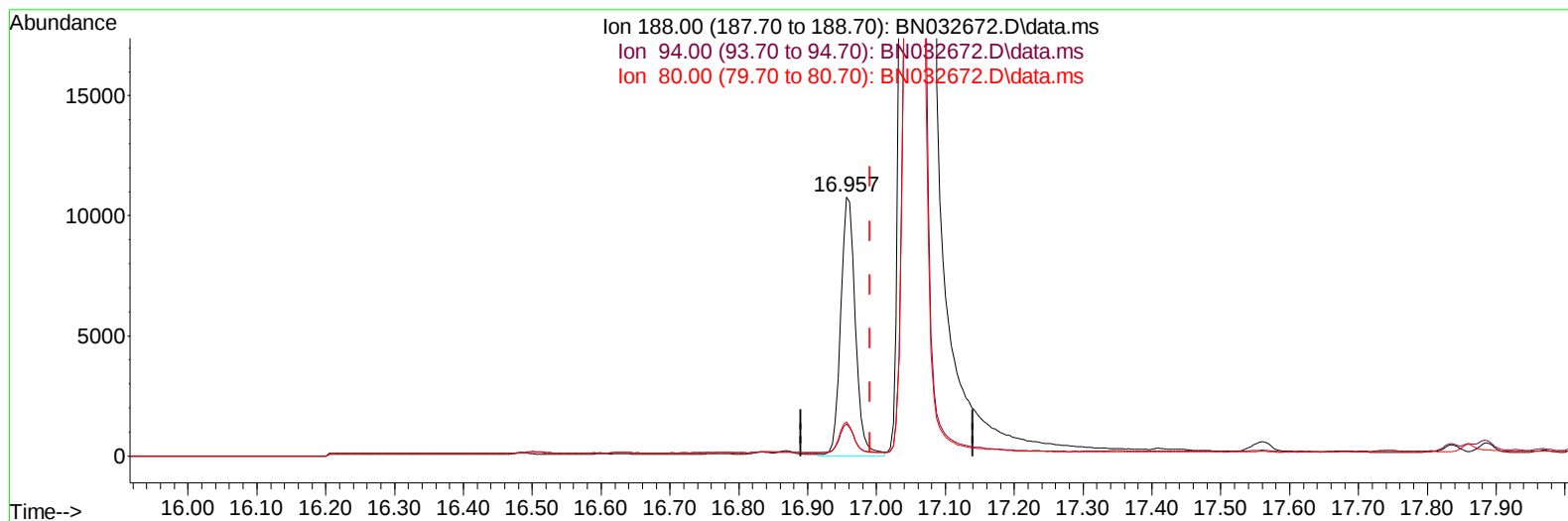
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(13) Phenanthrene-d10 (I)

16.957min (-0.034) 0.40 ng/ul m

response 15934

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.29
80.00	12.00	13.20
0.00	0.00	0.00

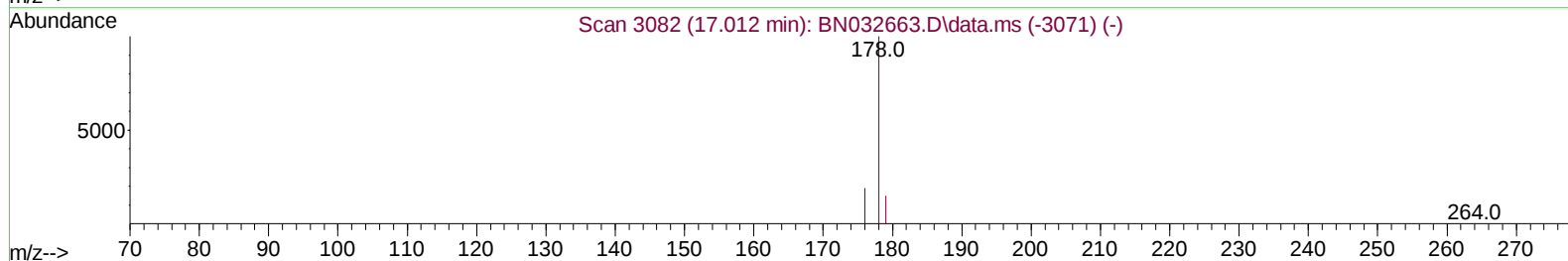
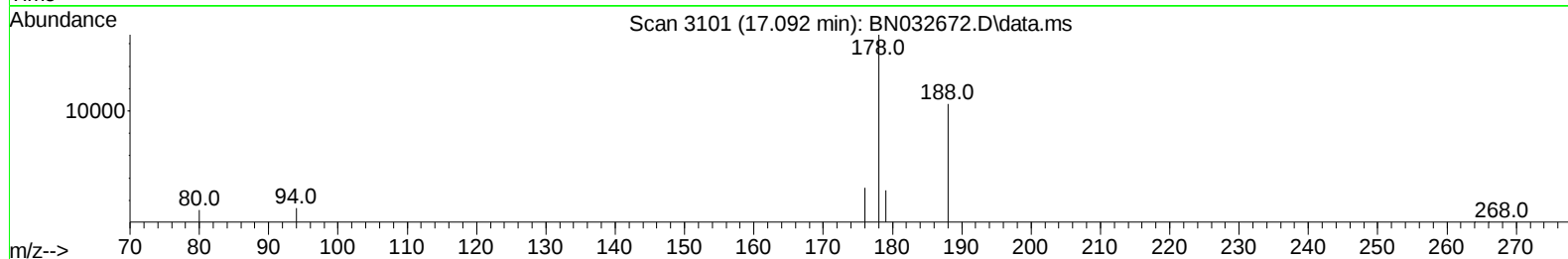
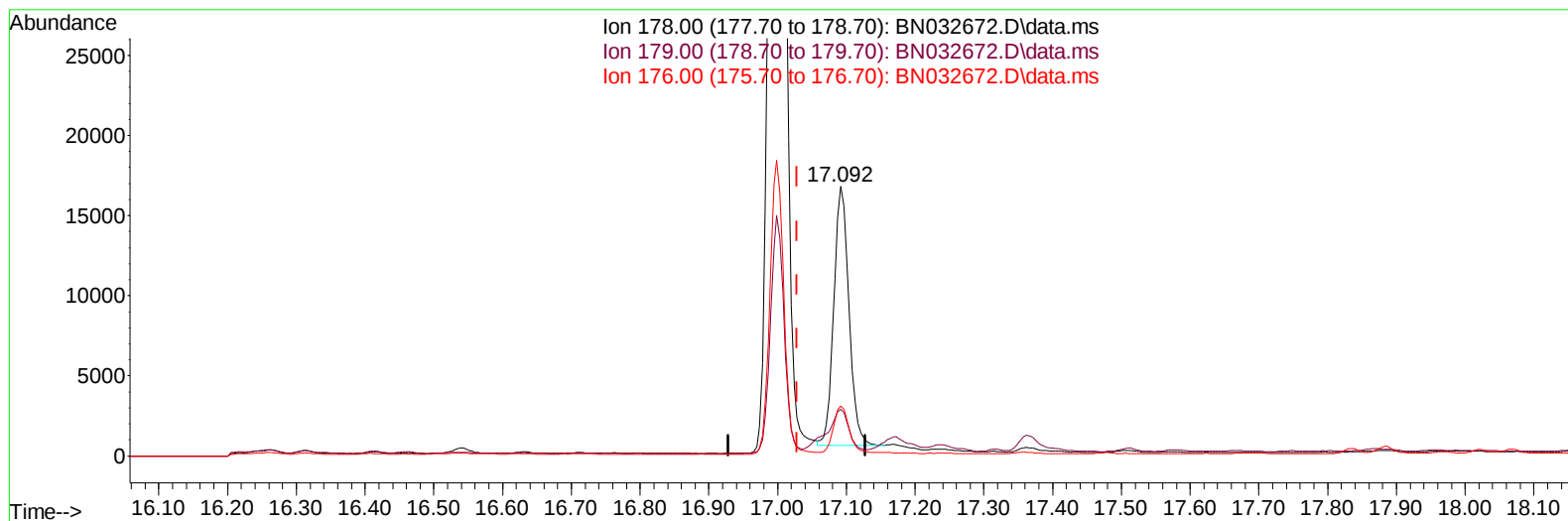
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 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 :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032672.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.57 ng/u1

response 24557

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.41
176.00	19.50	18.64
0.00	0.00	0.00

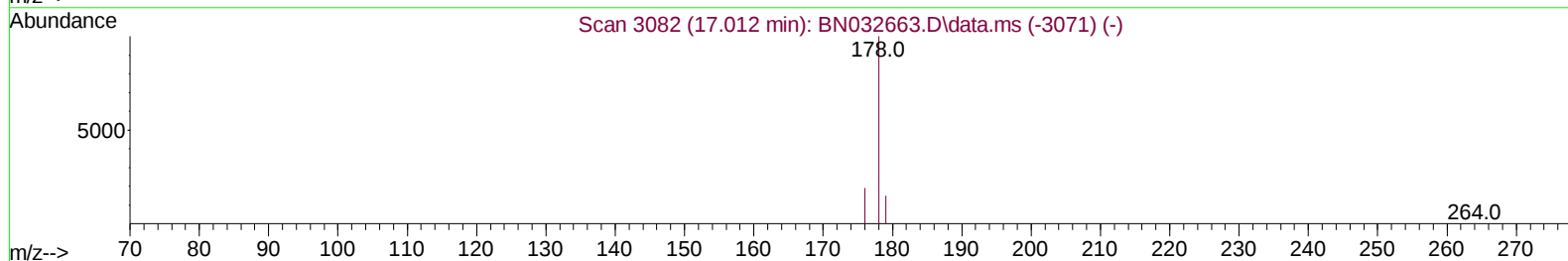
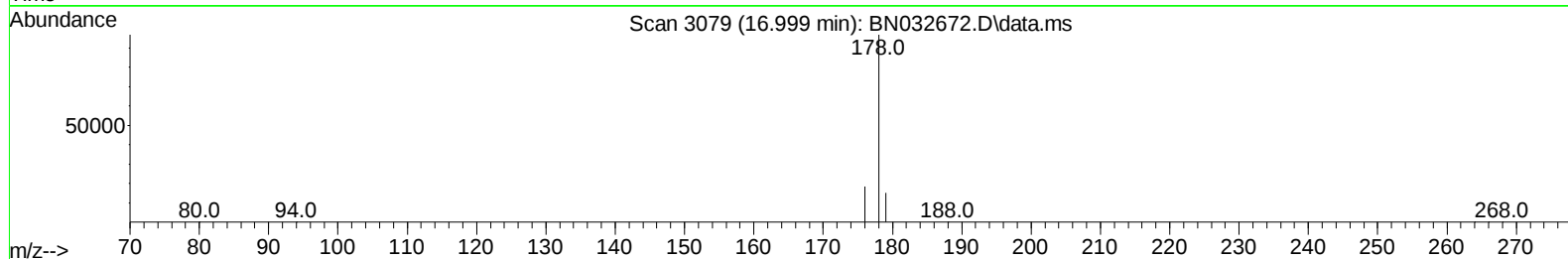
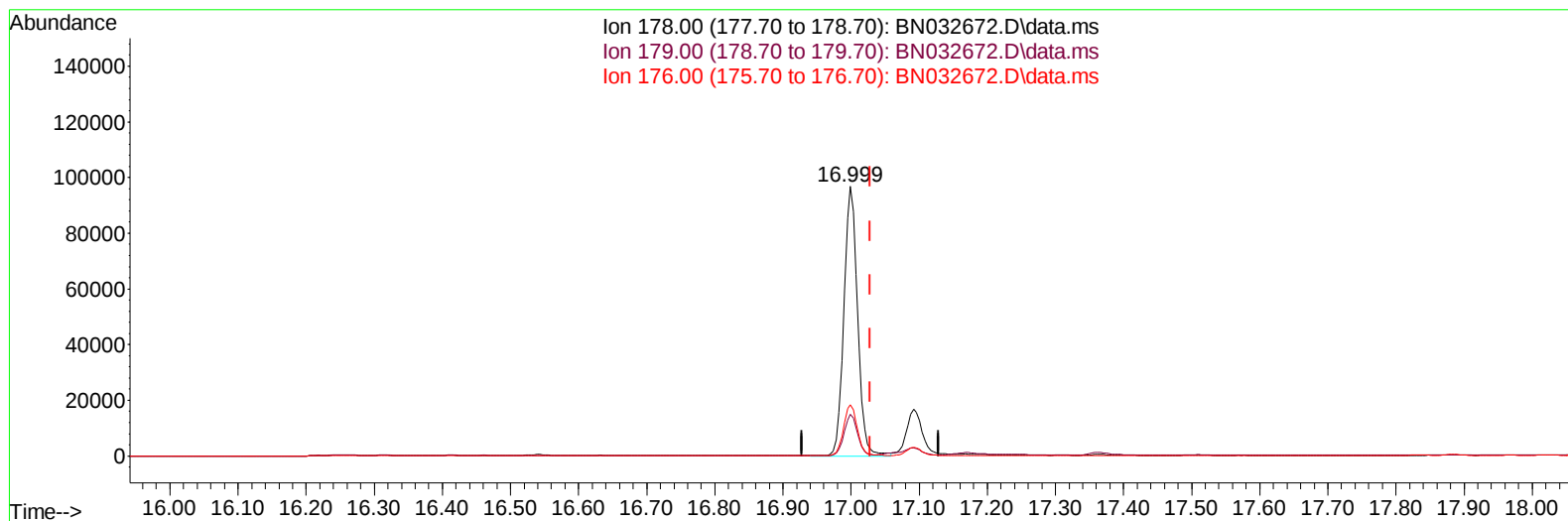
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(15) Phenanthrene

16.999min (-0.030) 3.13 ng/u1 m

response 135957

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.49
176.00	19.50	19.07
0.00	0.00	0.00

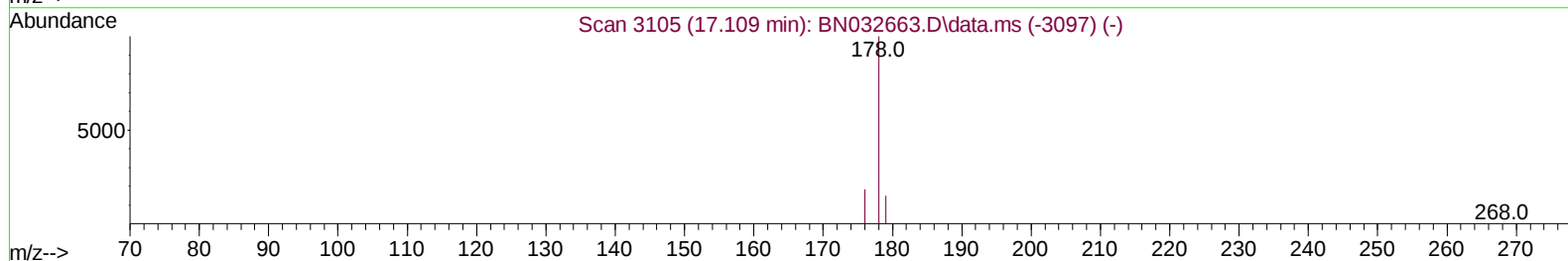
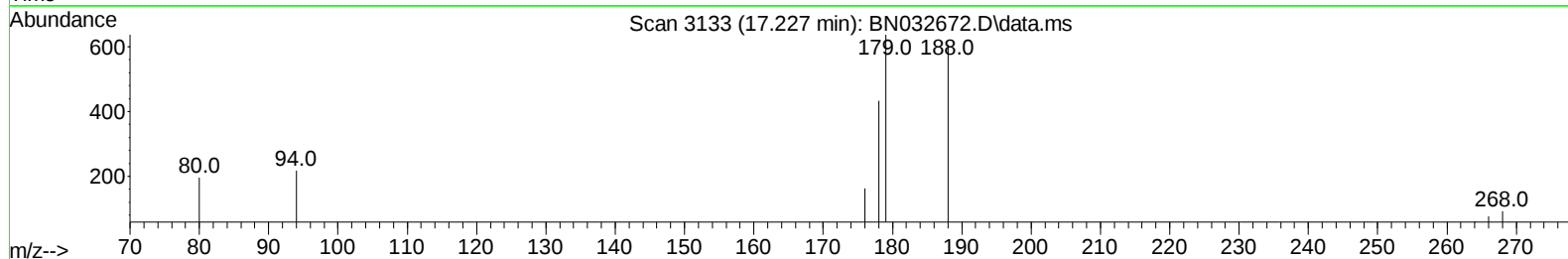
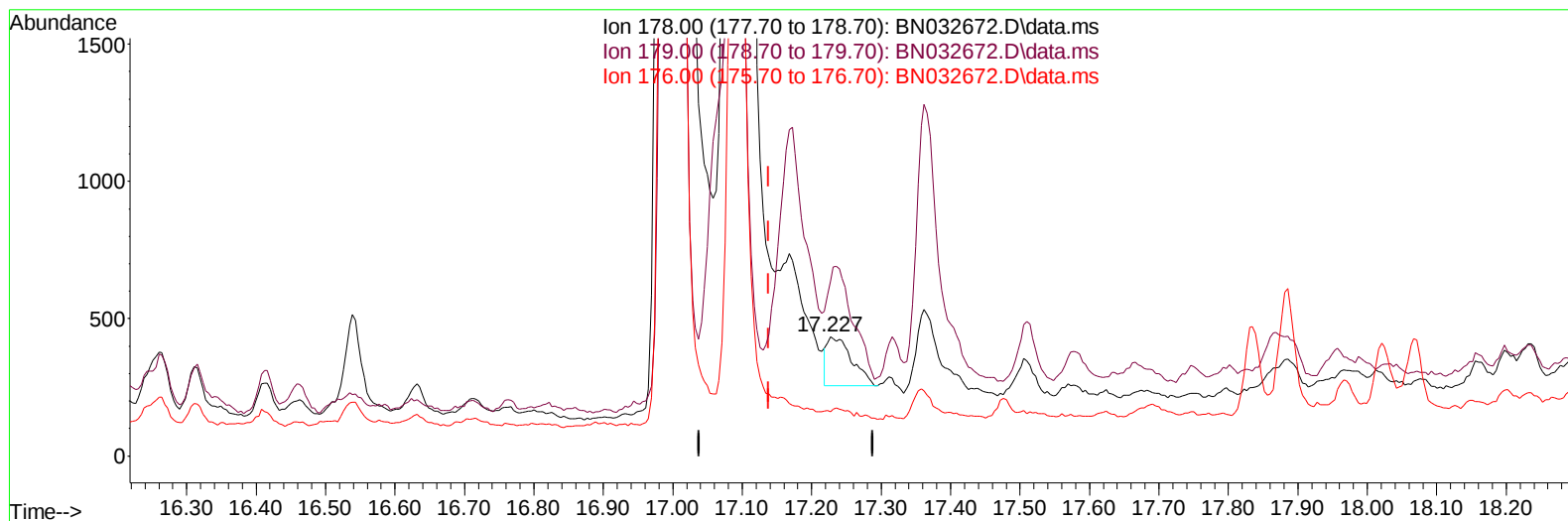
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032672.D\data.ms

(16) Anthracene

17.227min (+ 0.088) 0.01 ng/u1

response 434

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	146.77#
176.00	19.20	37.33#
0.00	0.00	0.00

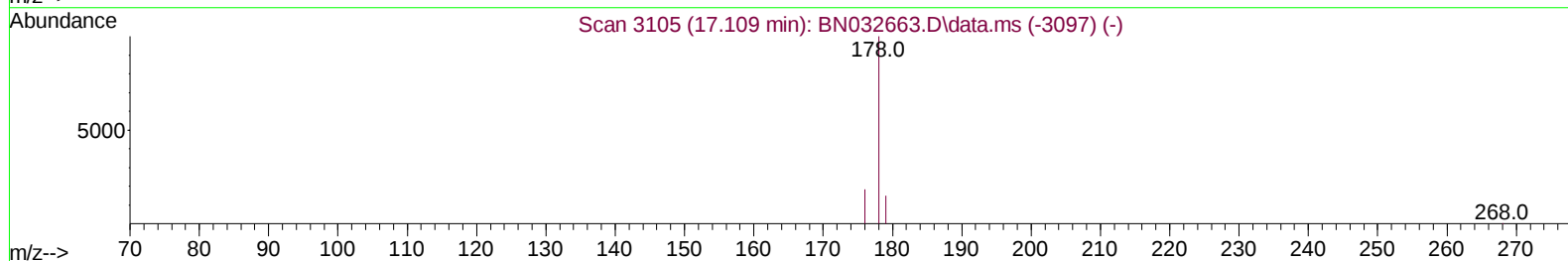
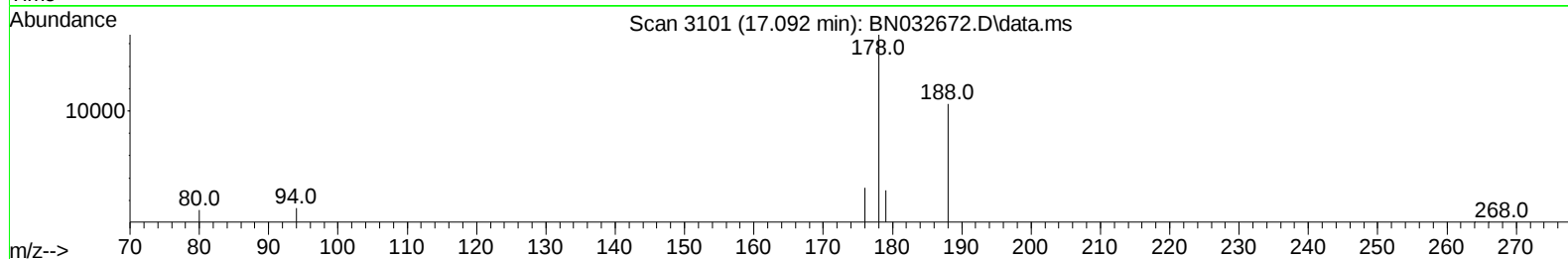
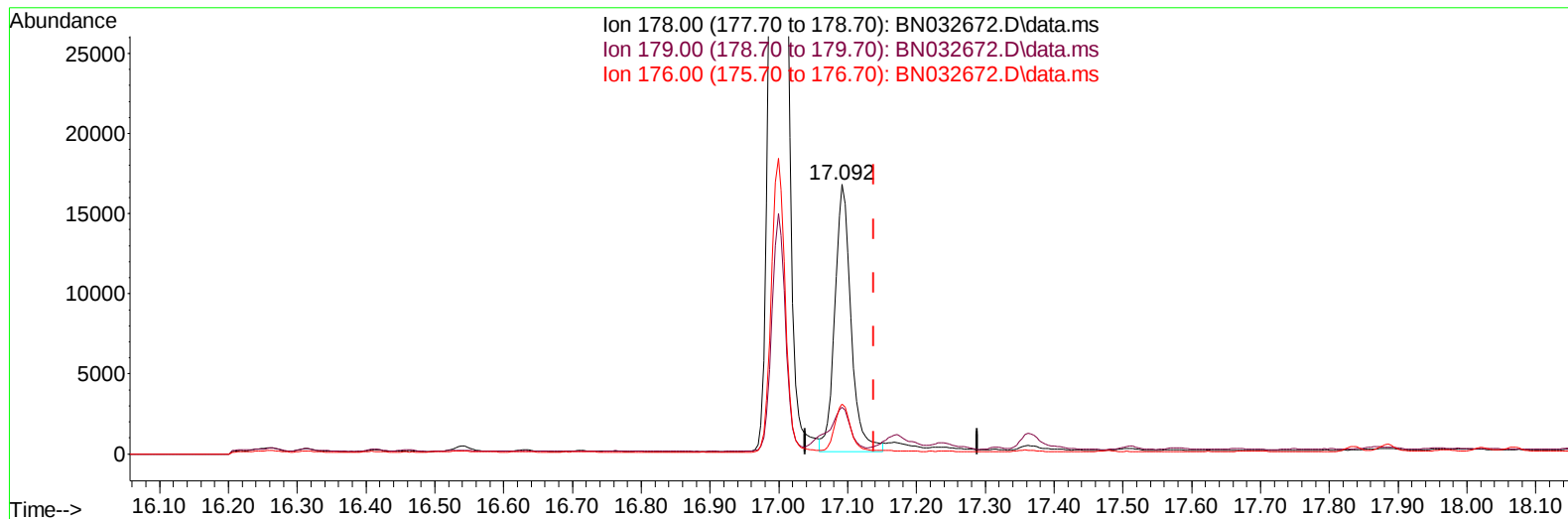
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(16) Anthracene

17.092min (-0.047) 0.77 ng/ul m

response 27428

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.41
176.00	19.20	18.64
0.00	0.00	0.00

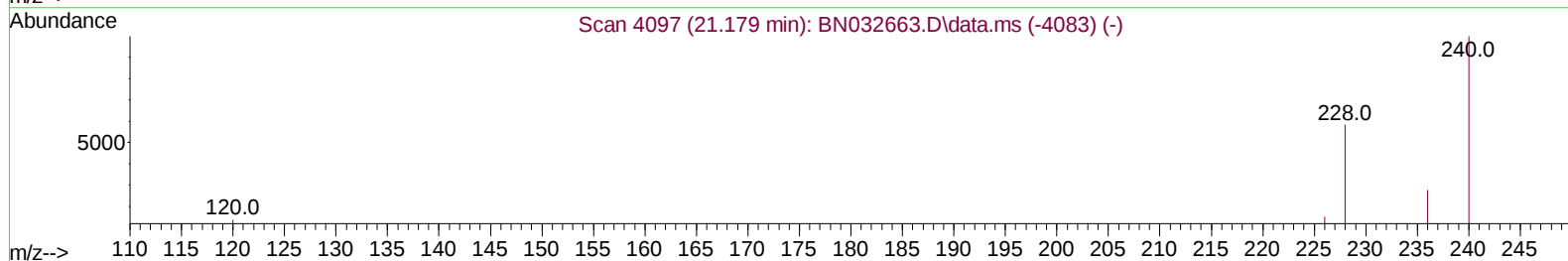
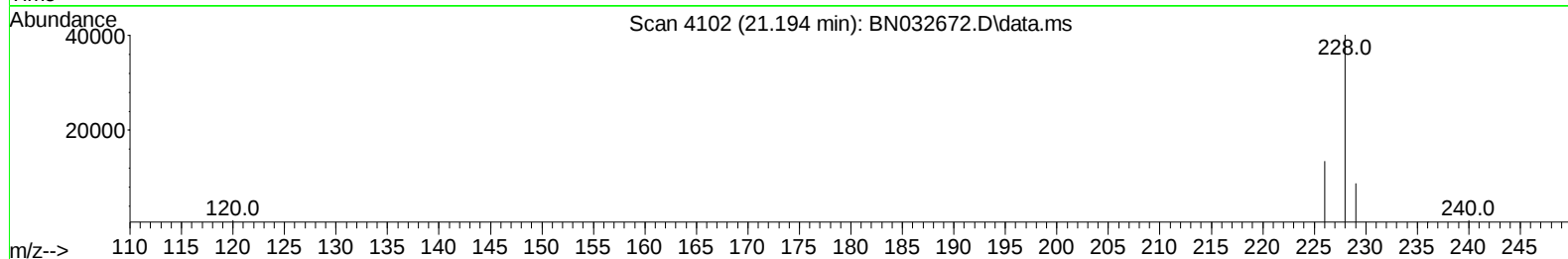
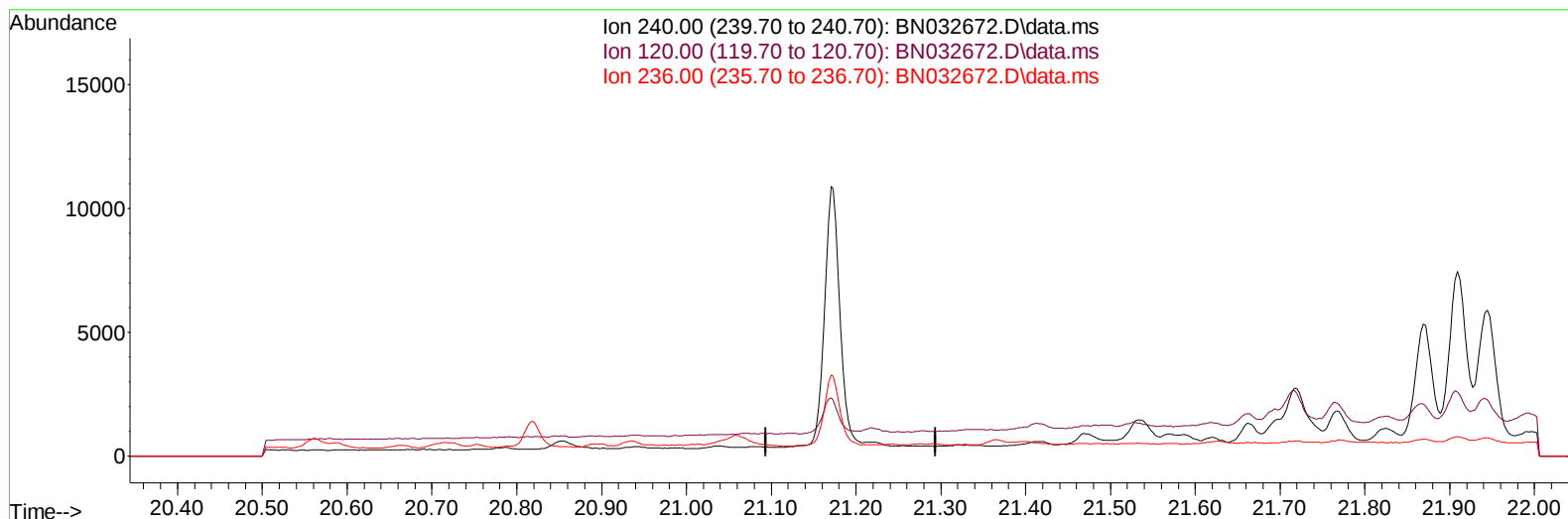
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 15:04:38 2024
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TIC: BN032672.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

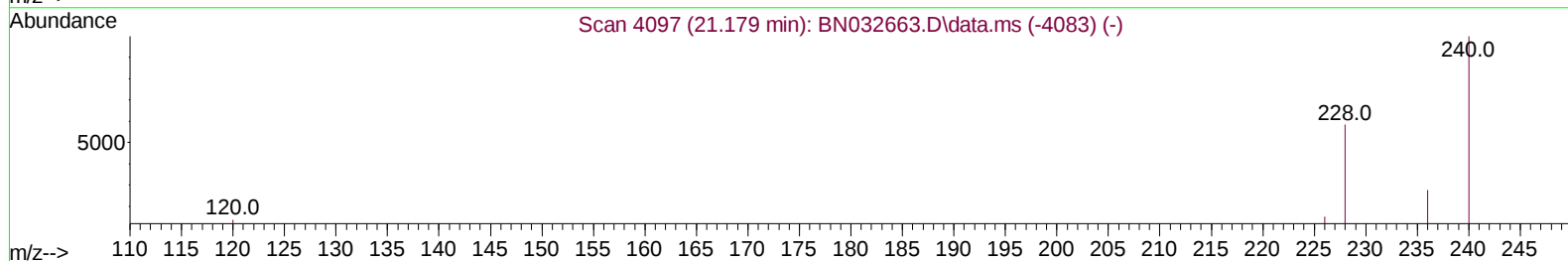
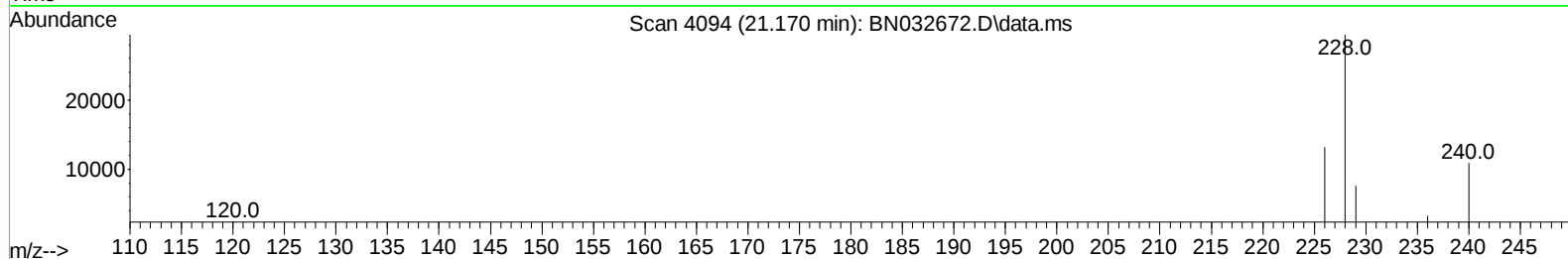
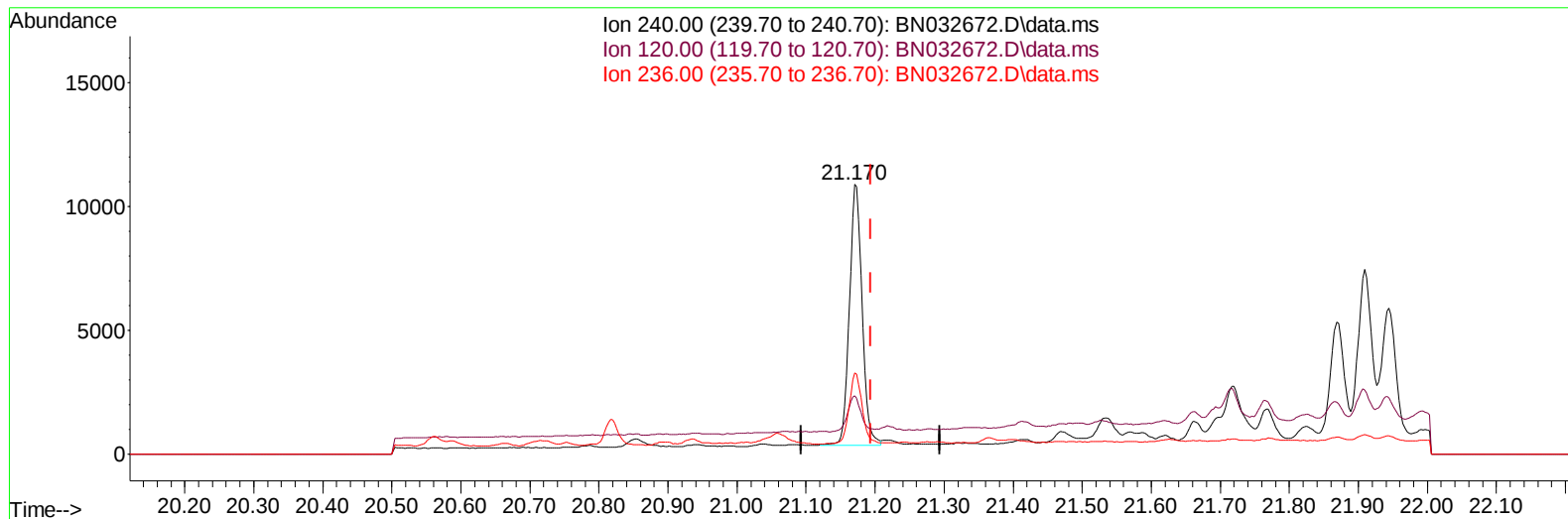
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

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

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(17) Chrysene-d12

21.170min (-0.024) 0.40 ng/ul m

response 13472

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	21.69#
236.00	28.40	30.08
0.00	0.00	0.00

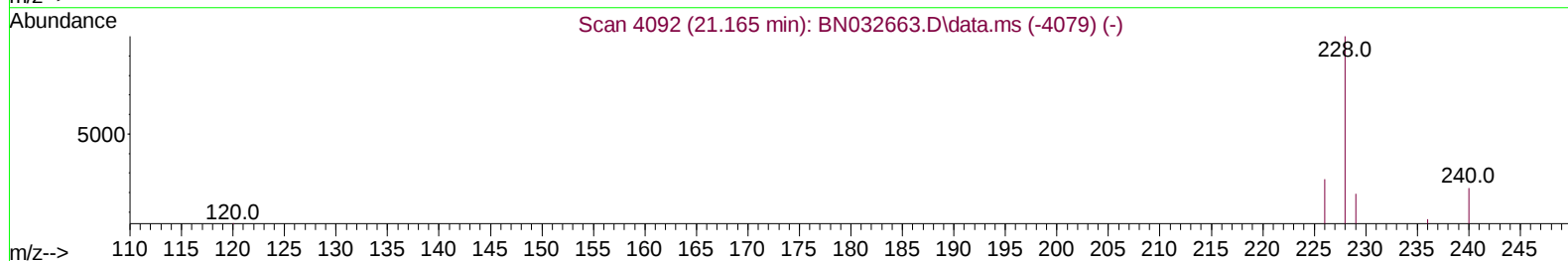
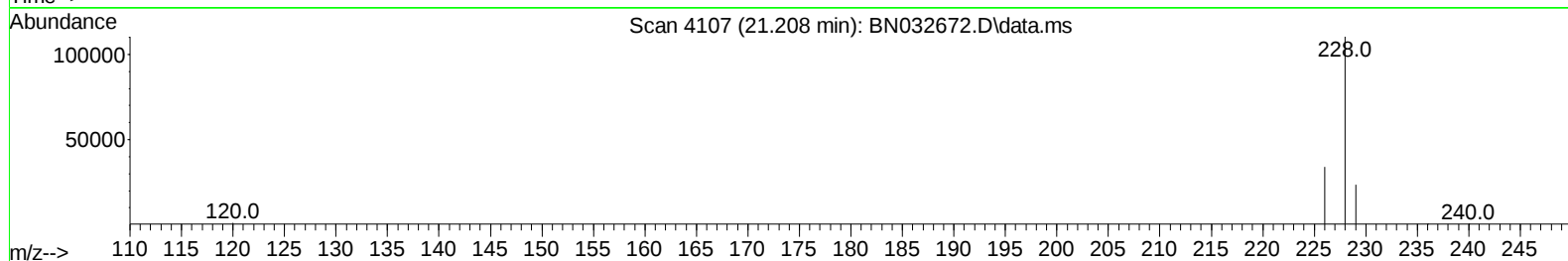
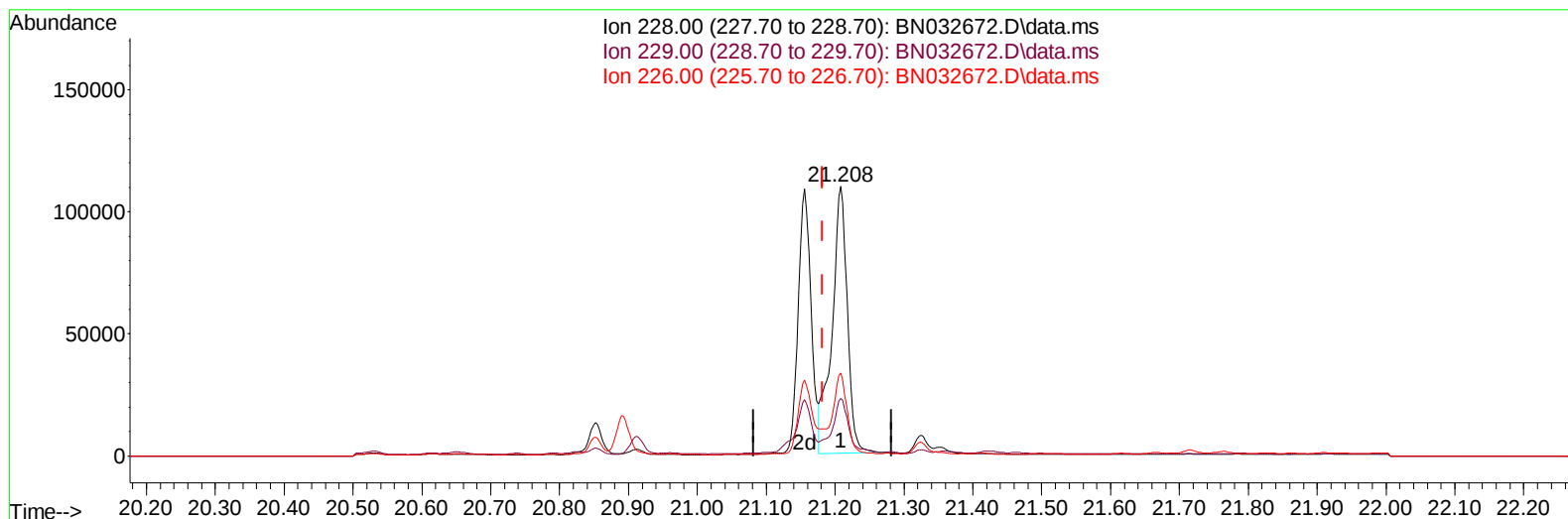
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032672.D\data.ms

(21) Benzo(a)anthracene

21.208min (+ 0.026) 3.95 ng/u1

response 169435

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.47
226.00	27.40	30.70
0.00	0.00	0.00

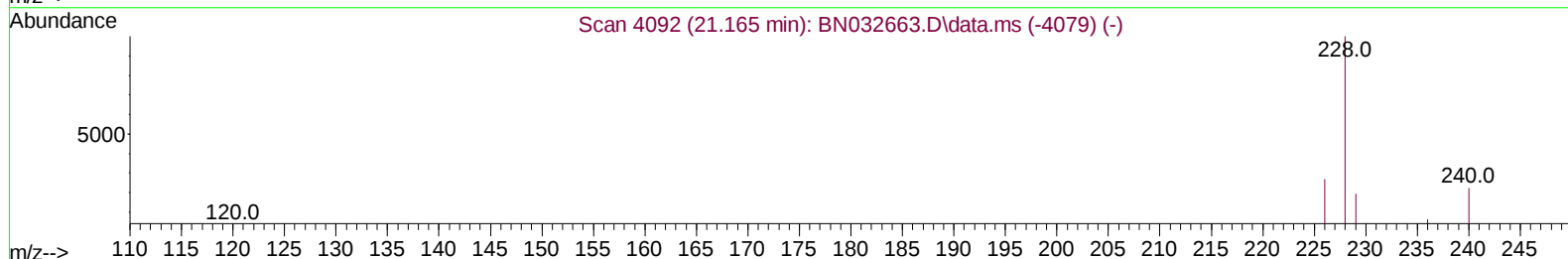
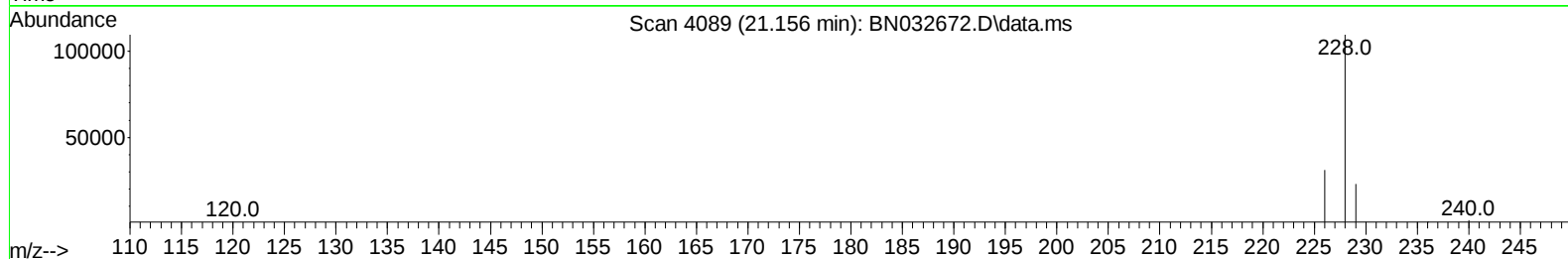
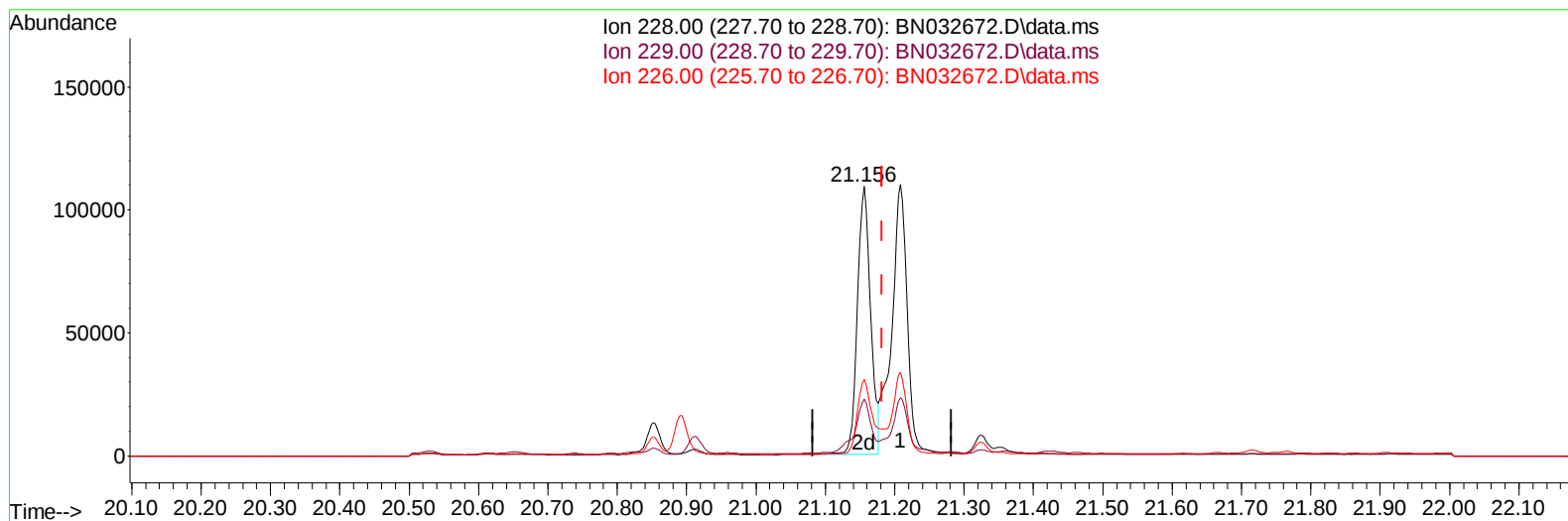
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(21) Benzo(a)anthracene

21.156min (-0.026) 3.35 ng/u1 m

response 143726

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.10
226.00	27.40	28.41
0.00	0.00	0.00

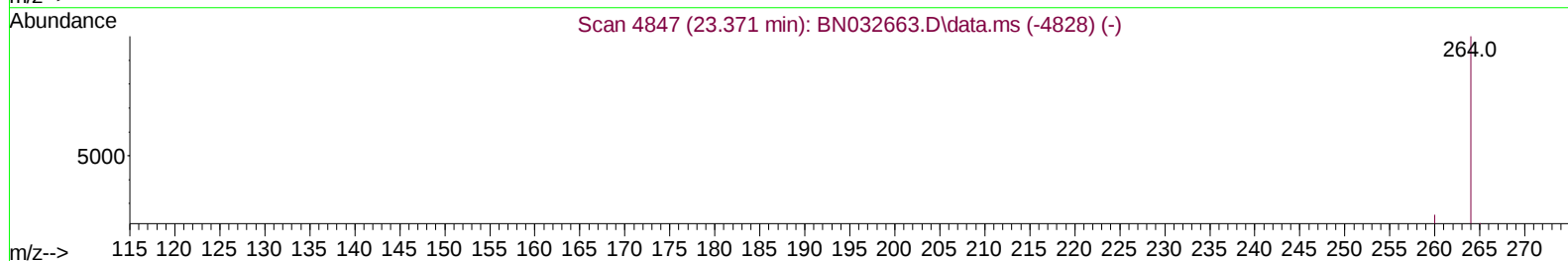
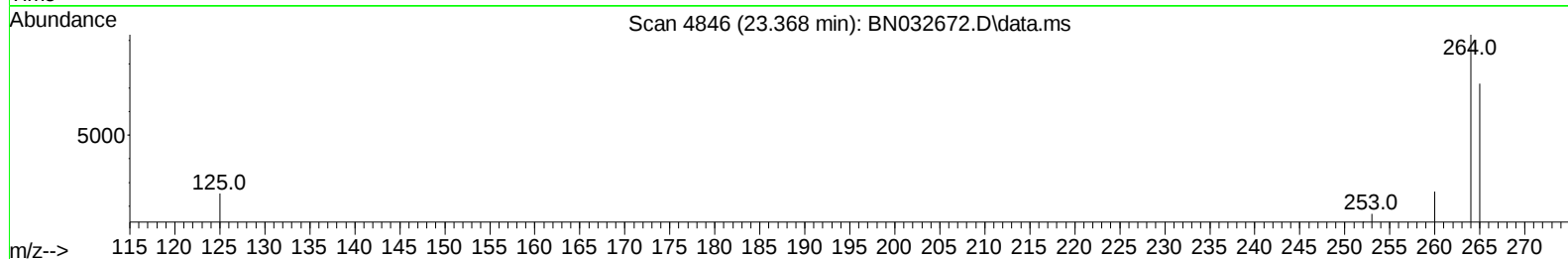
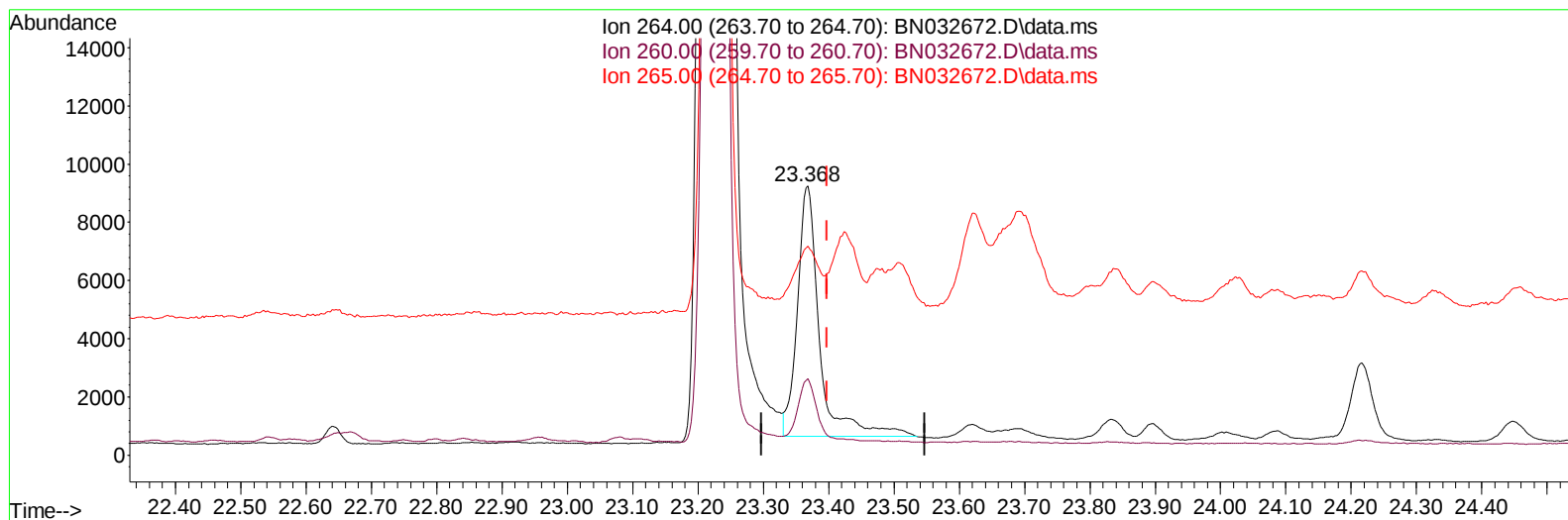
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

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TIC: BN032672.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/u1

response 20344

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.32
265.00	95.50	77.77
0.00	0.00	0.00

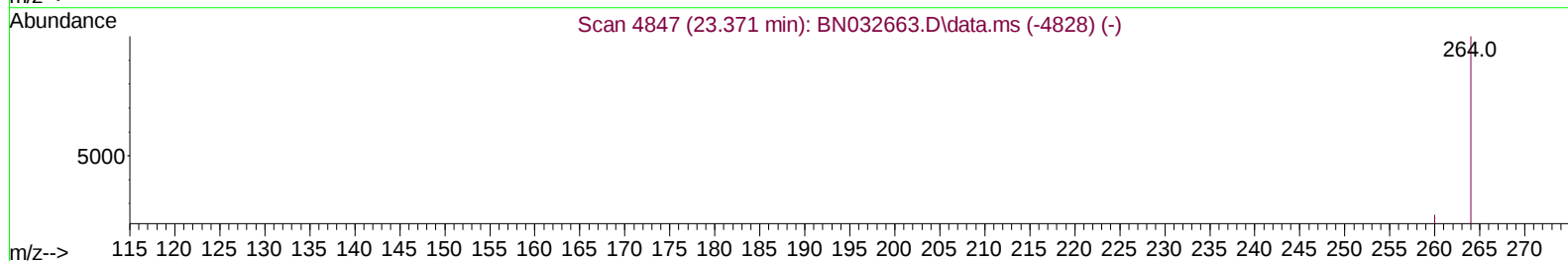
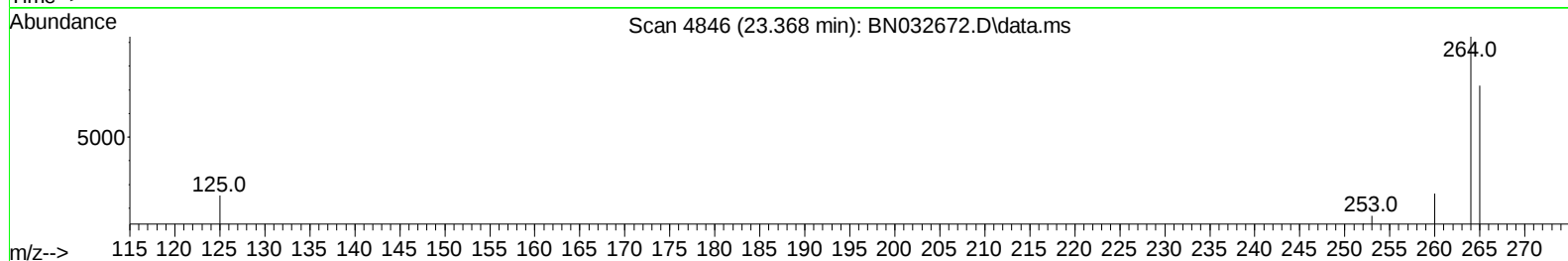
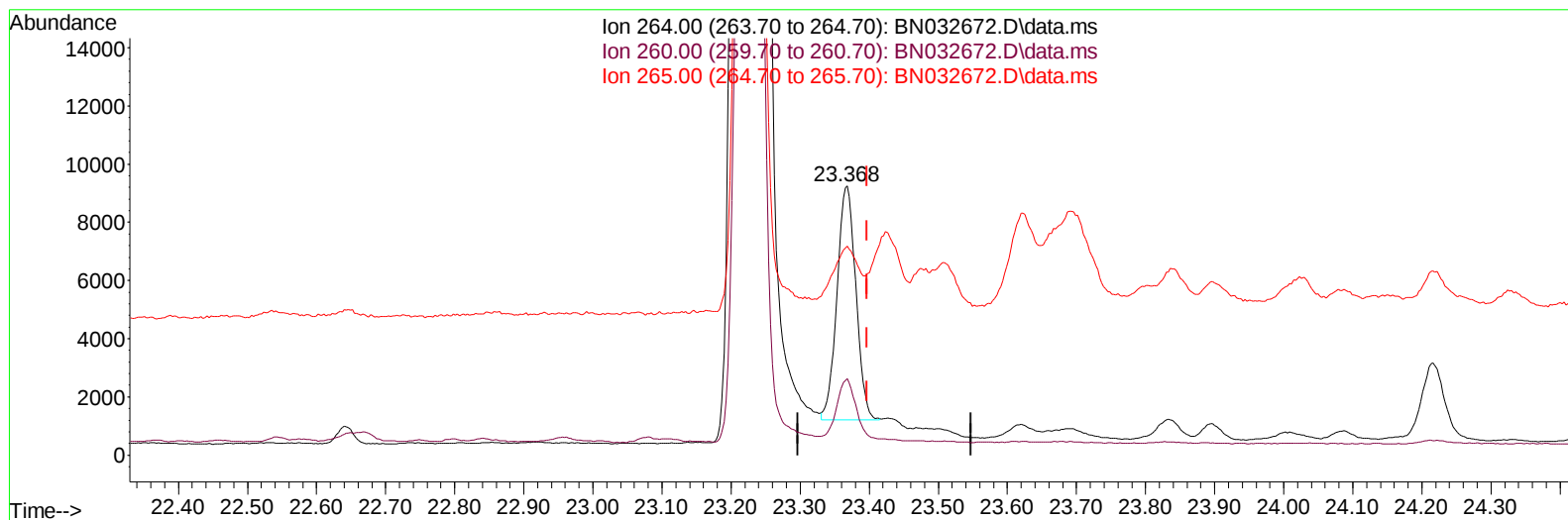
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 2024
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TIC: BN032672.D\data.ms

(23) Perylene-d12 (I)

23.368min (-0.029) 0.40 ng/ul m

response 15232

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.32
265.00	95.50	77.77
0.00	0.00	0.00

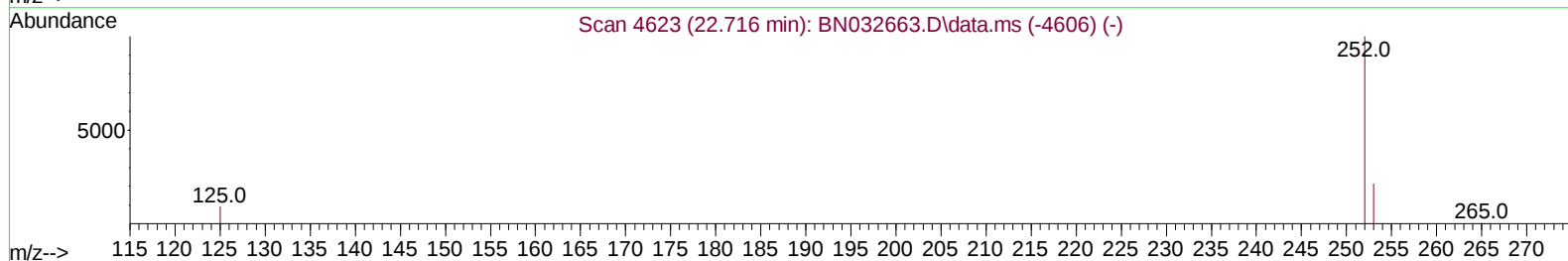
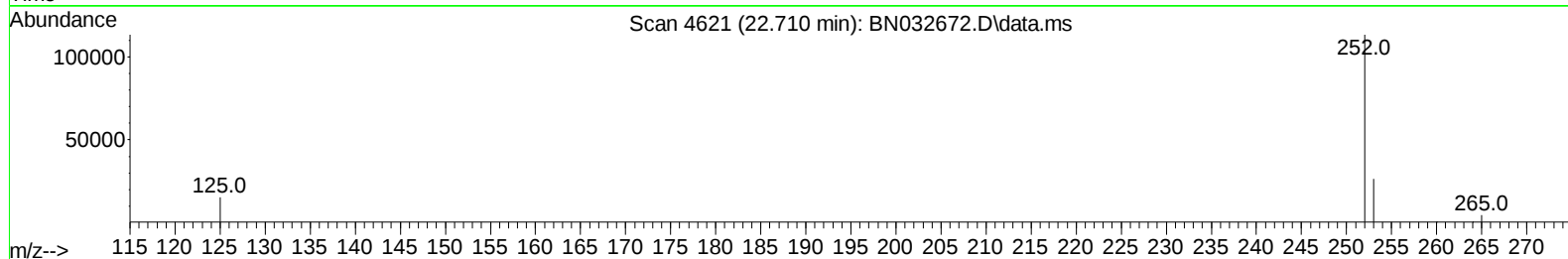
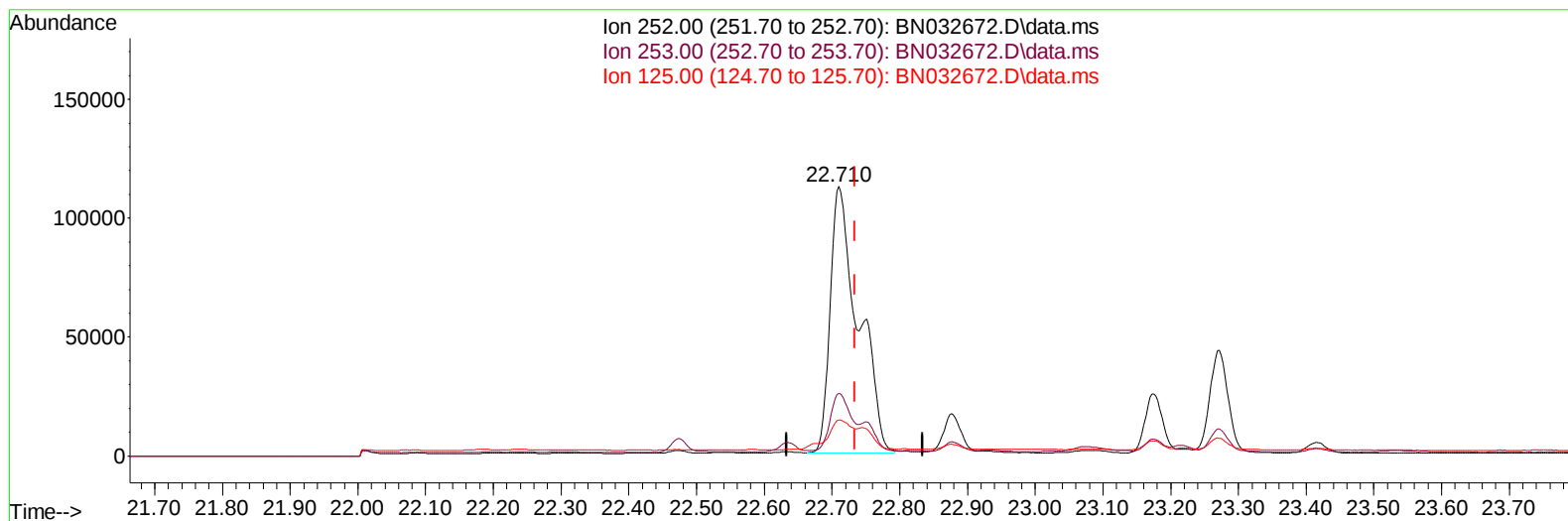
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032672.D\data.ms

(24) Benzo(b)fluoranthene

22.710min (-0.024) 6.00 ng/u1

response 322348

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.32
125.00	18.00	13.44
0.00	0.00	0.00

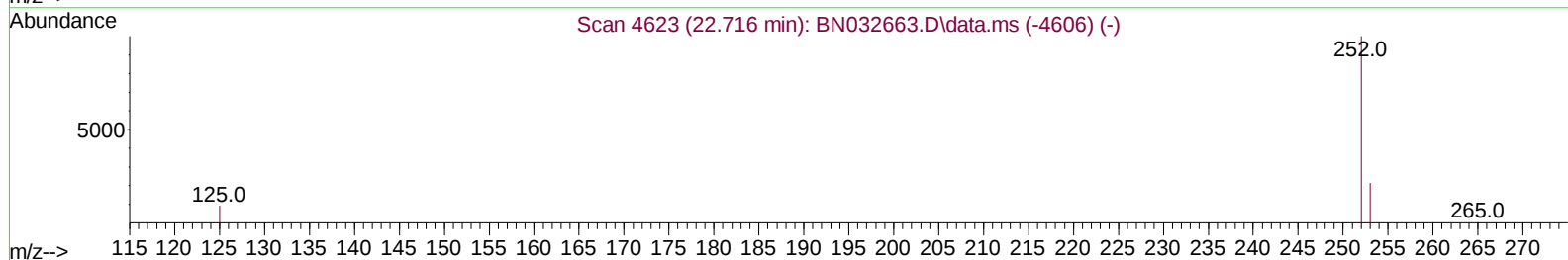
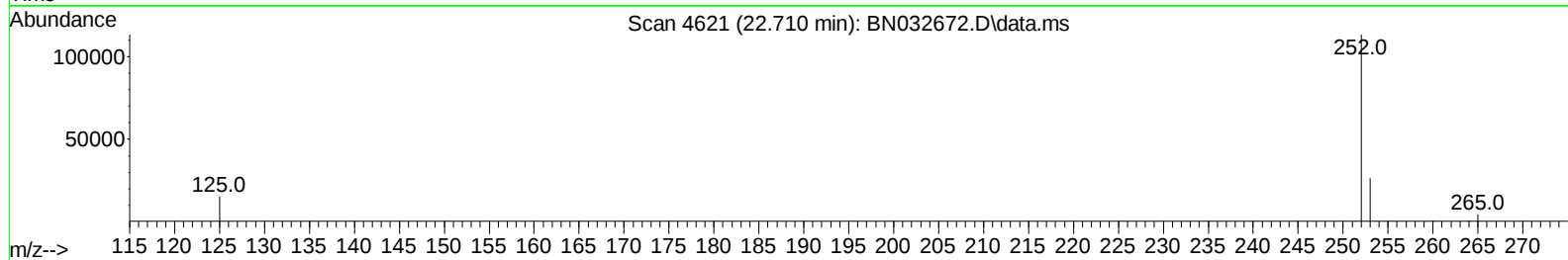
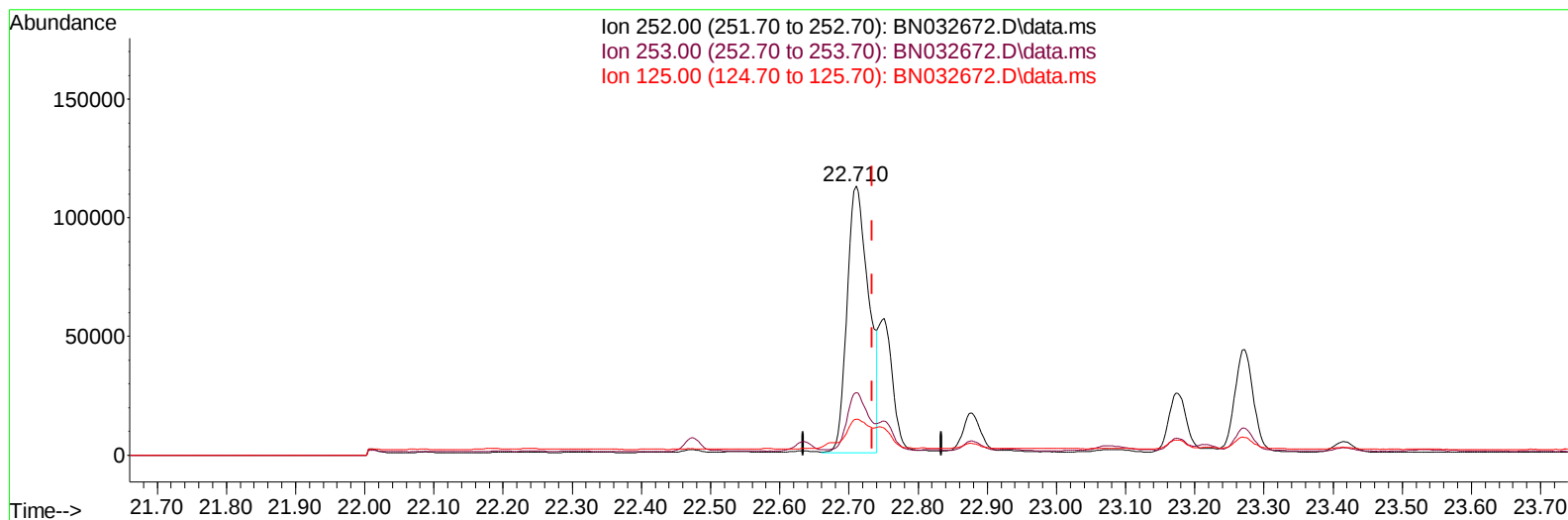
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 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: BN032672.D\data.ms

(24) Benzo(b)fluoranthene

22.710min (-0.024) 4.52 ng/u1 m

response 243074

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.32
125.00	18.00	13.44
0.00	0.00	0.00

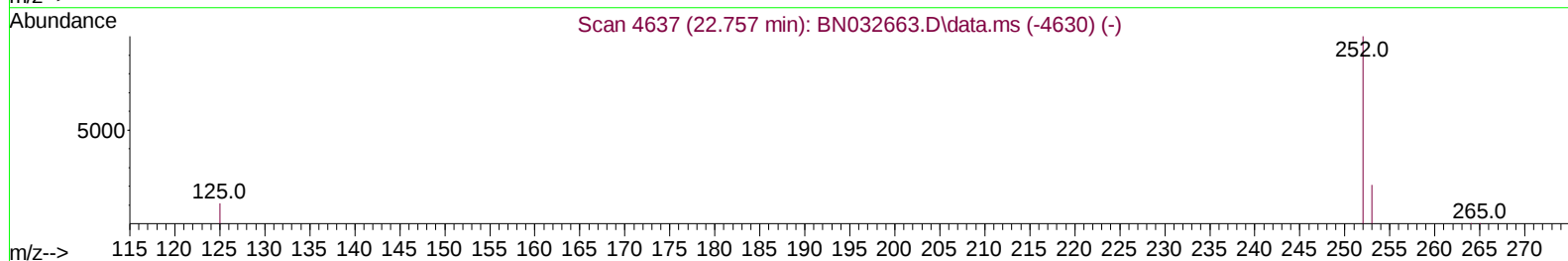
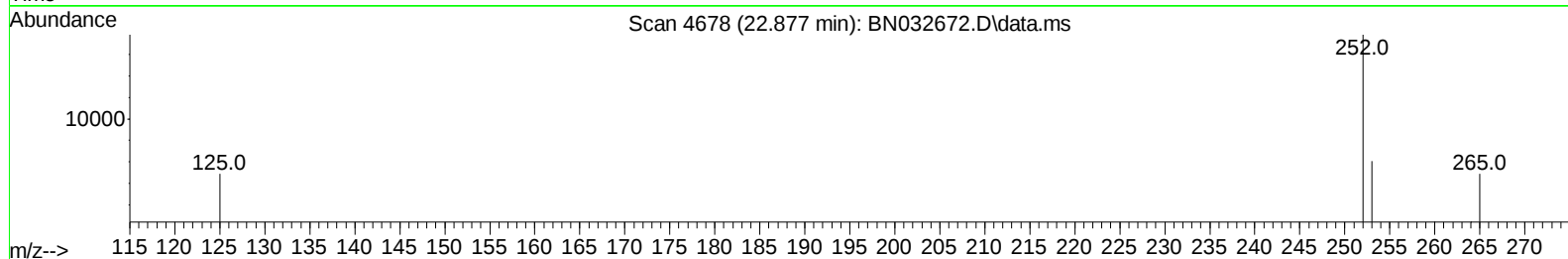
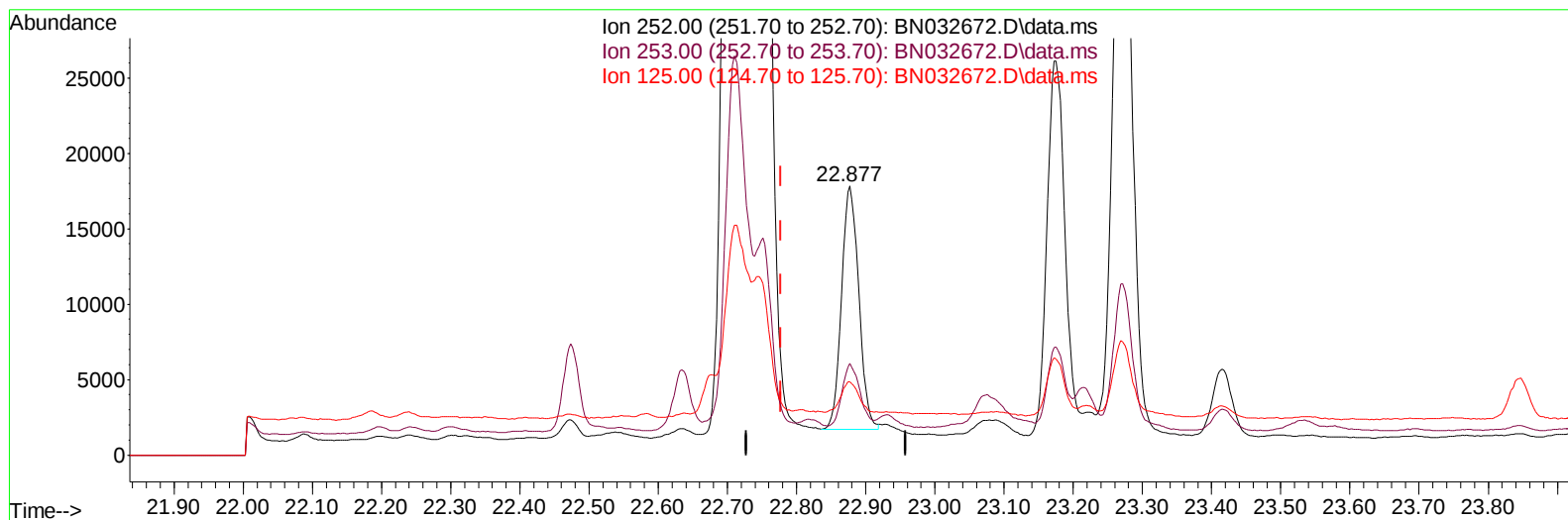
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032672.D
 Acq On : 12 Jul 2024 14:22
 Operator : MA/JU
 Sample : P3087-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CE9

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TIC: BN032672.D\data.ms

(25) Benzo(k)fluoranthene

22.877min (+ 0.099) 0.43 ng/u1

response 27870

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	34.03#
125.00	18.50	27.32#
0.00	0.00	0.00

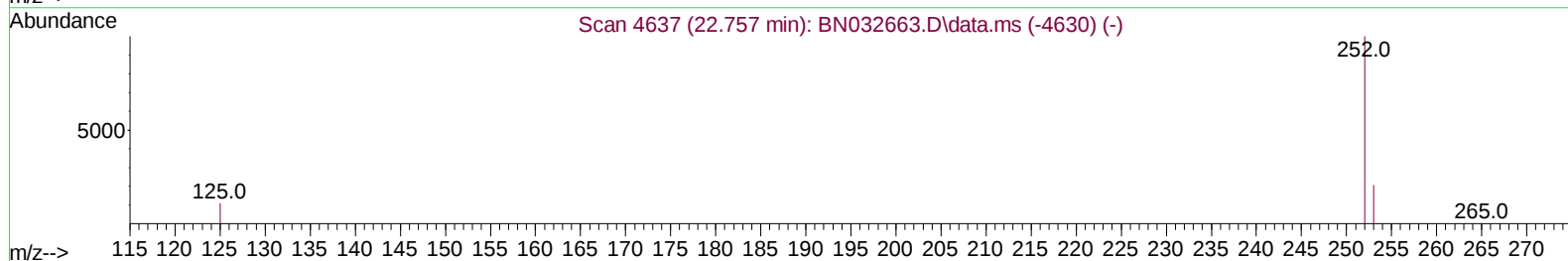
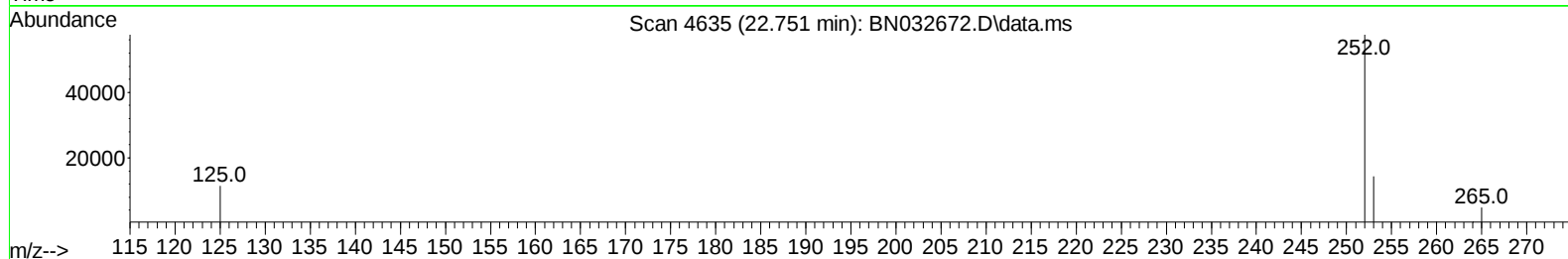
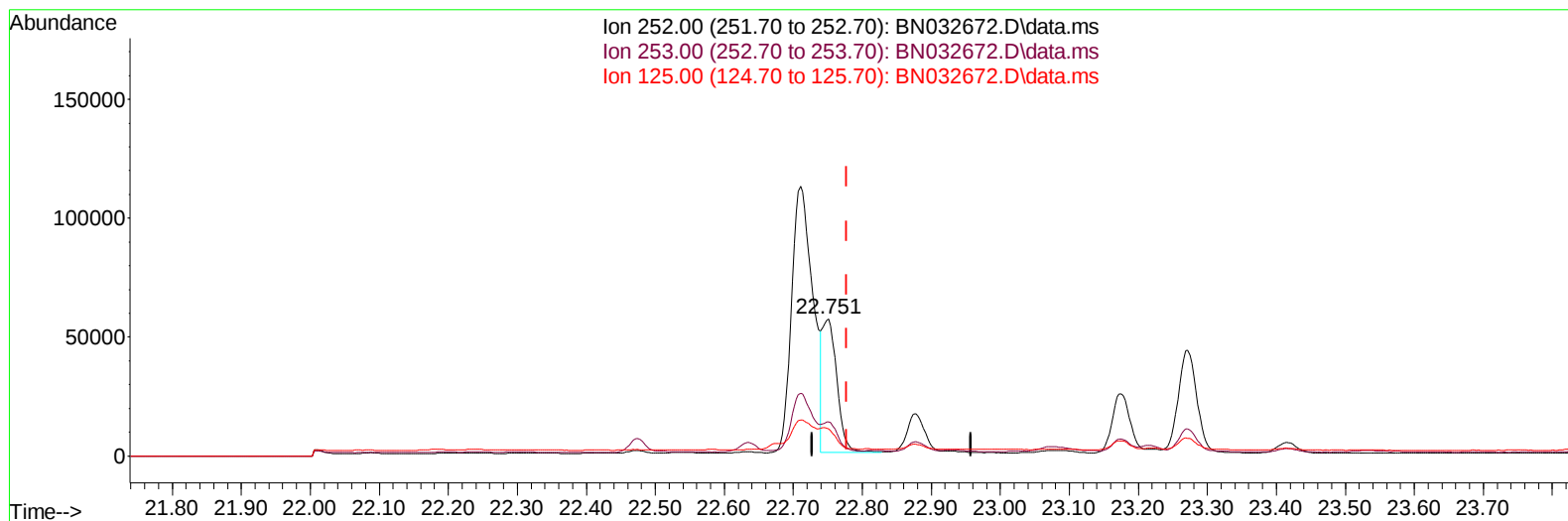
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032672.D
Acq On : 12 Jul 2024 14:22
Operator : MA/JU
Sample : P3087-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 15:04:38 2024
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TIC: BN032672.D\data.ms

(25) Benzo(k)fluoranthene

22.751min (-0.026) 1.23 ng/ul m

response 80749

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.99
125.00	18.50	19.73
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3087-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	5628	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136	16188	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164	8447	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.957	188	15934m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.170	240	13472m	0.400	ng/ul	-0.02
23) Perylene-d12	23.368	264	15232m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	23990	3.550	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	5884	0.240	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212	10662	0.243	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.371	128	7338	0.169	ng/ul	99
7) 2-Methylnaphthalene	12.004	142	2476	0.091	ng/ul	100
8) 1-Methylnaphthalene	12.224	142	1842	0.066	ng/ul	99
10) Acenaphthylene	13.920	152	13079	0.383	ng/ul	99
11) Acenaphthene	14.267	153	4900	0.174	ng/ul	99
12) Fluorene	15.261	166	5890	0.183	ng/ul#	97
15) Phenanthrene	16.999	178	135957m	3.133	ng/ul	
16) Anthracene	17.092	178	27428m	0.774	ng/ul	
19) Fluoranthene	19.027	202	311398	5.685	ng/ul	99
20) Pyrene	19.394	202	220740	3.893	ng/ul	98
21) Benzo(a)anthracene	21.156	228	143726m	3.352	ng/ul	
22) Chrysene	21.208	228	170727	2.752	ng/ul	98
24) Benzo(b)fluoranthene	22.710	252	243074m	4.523	ng/ul	
25) Benzo(k)fluoranthene	22.751	252	80749m	1.233	ng/ul	
26) Benzo(a)pyrene	23.272	252	81384	1.750	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.576	276	82921	1.317	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.576	278	30185	0.618	ng/ul#	88
29) Benzo(g,h,i)perylene	26.256	276	11631	0.221	ng/ul#	77

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

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Instrument :
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