

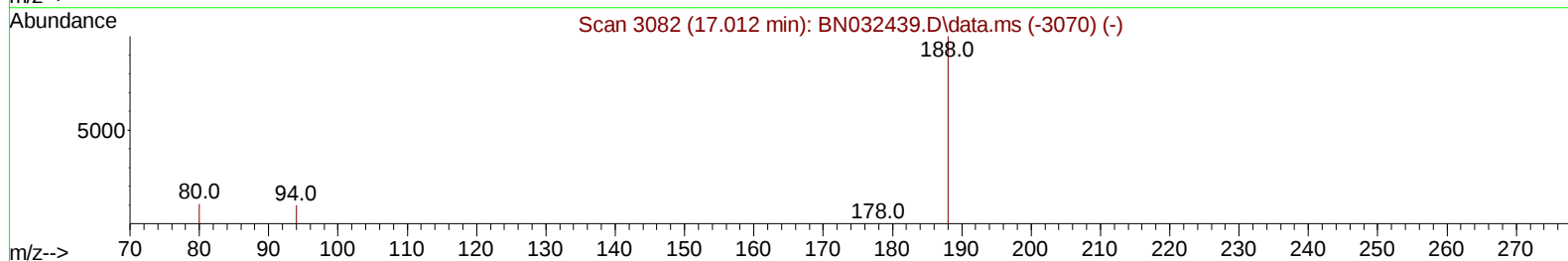
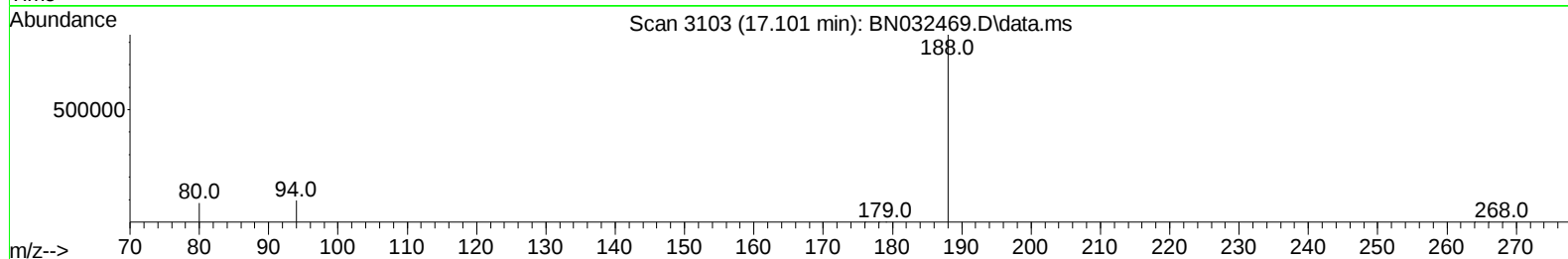
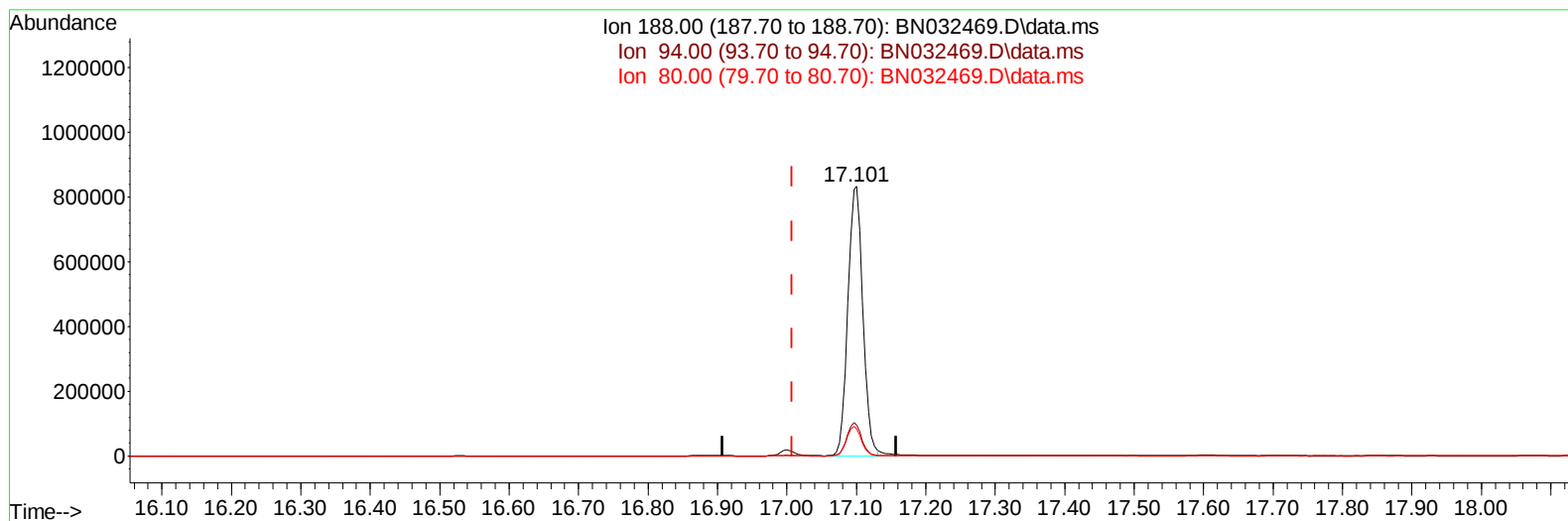
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(13) Phenanthrene-d10 (I)

17.101min (+ 0.093) 0.40 ng/u1

response 1247048

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.46
80.00	10.50	10.05
0.00	0.00	0.00

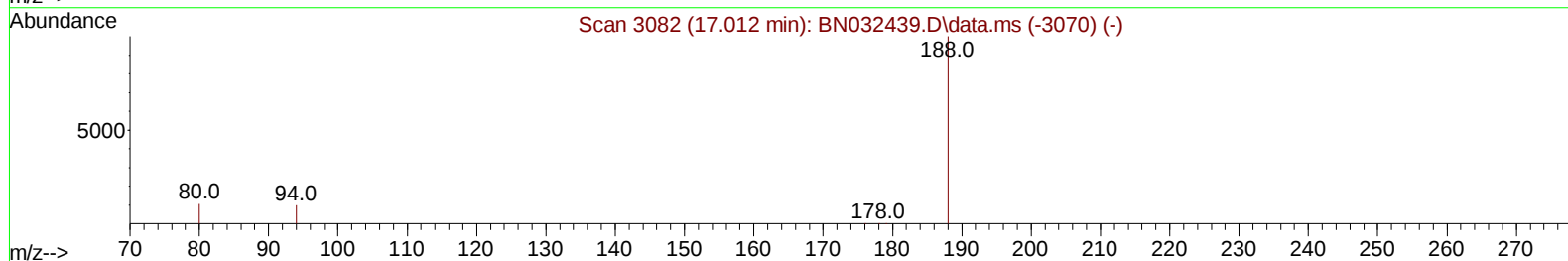
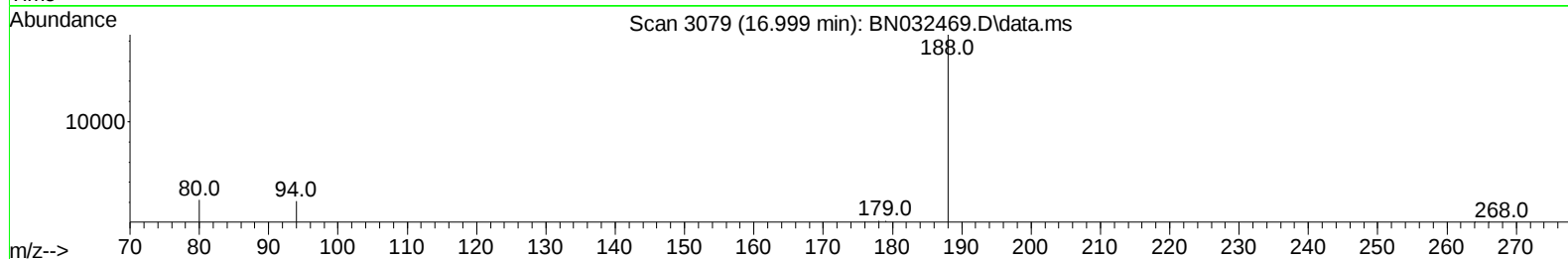
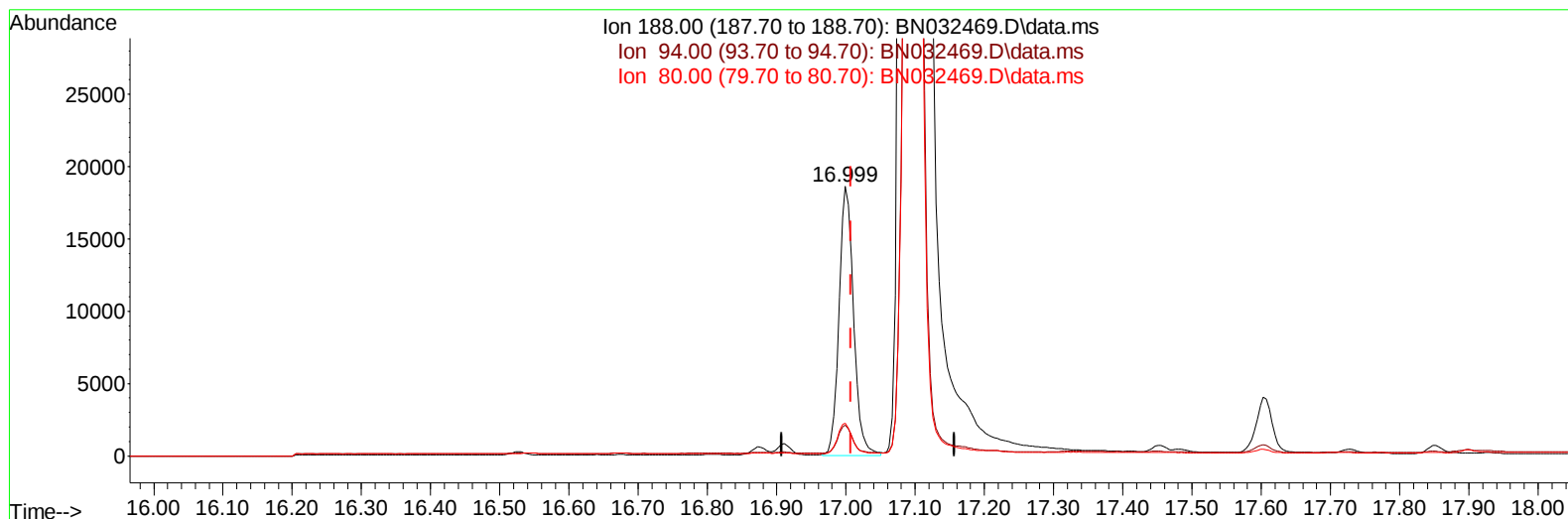
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(13) Phenanthrene-d10 (I)

16.999min (-0.008) 0.40 ng/ul m

response 27114

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.41
80.00	10.50	12.05
0.00	0.00	0.00

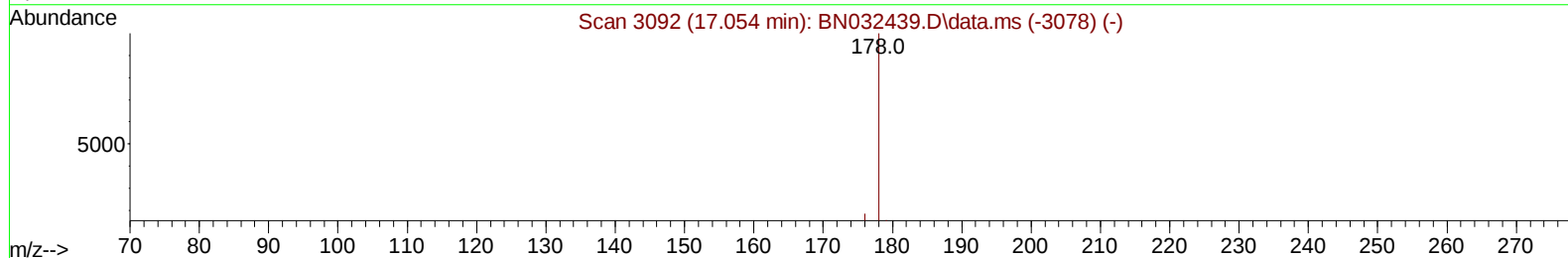
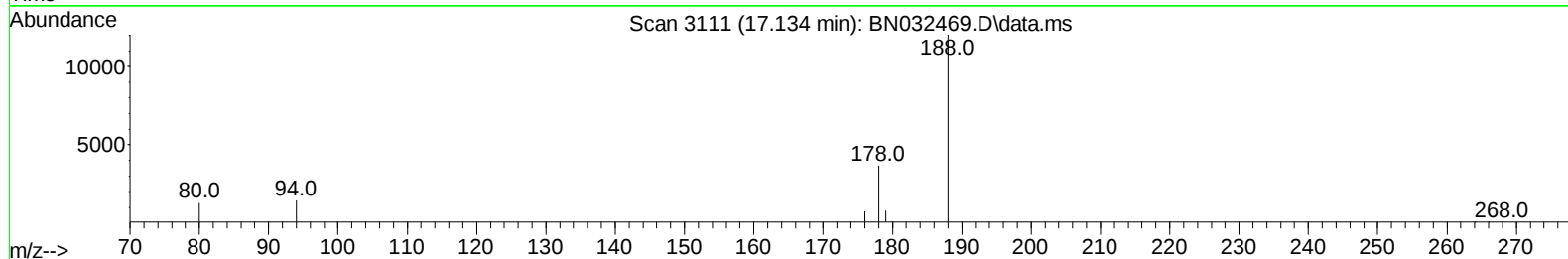
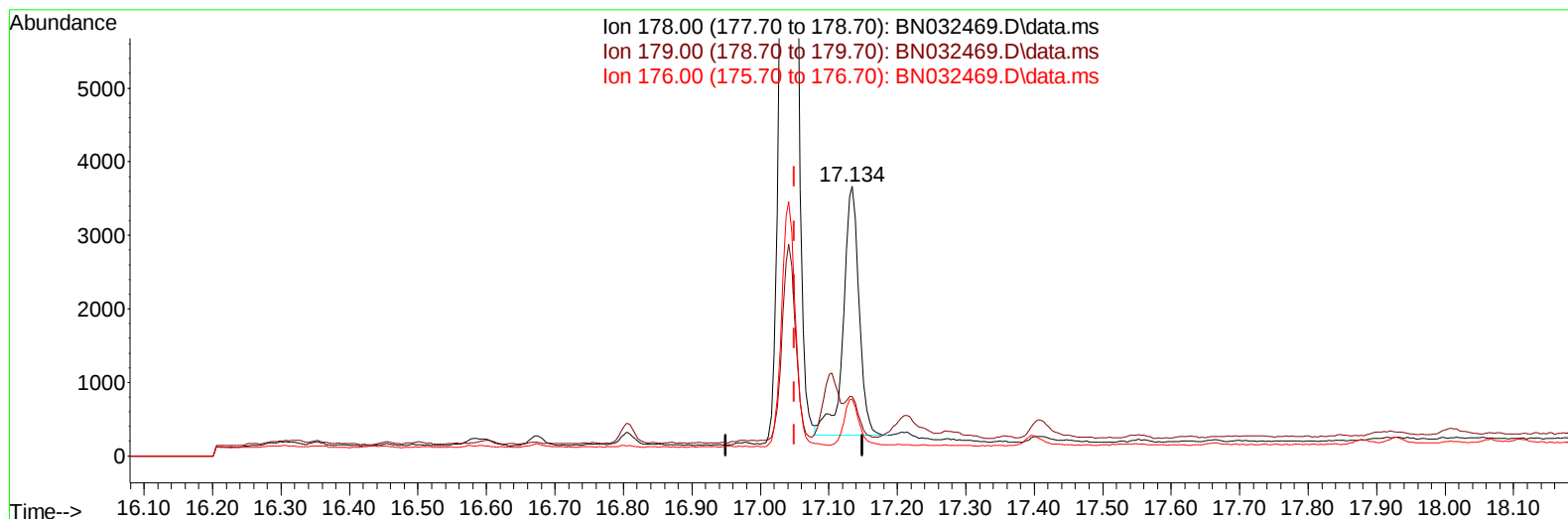
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(15) Phenanthrene

17.134min (+ 0.085) 0.07 ng/u1

response 5474

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	21.97#
176.00	19.50	21.04
0.00	0.00	0.00

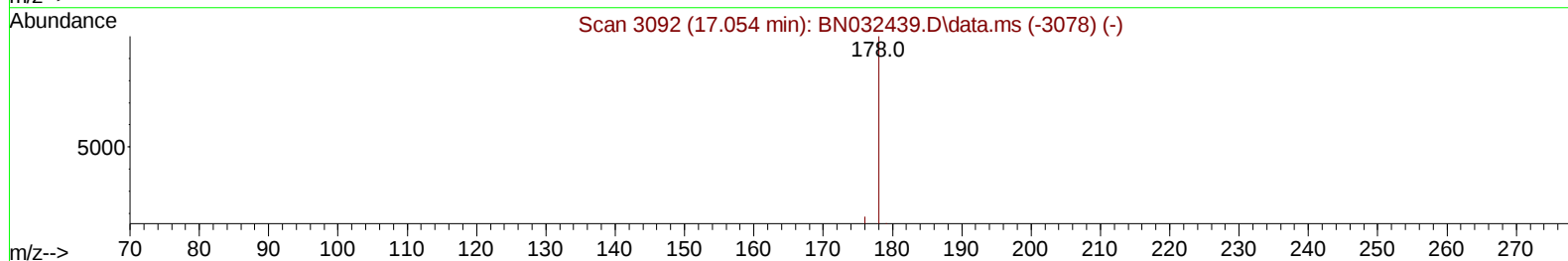
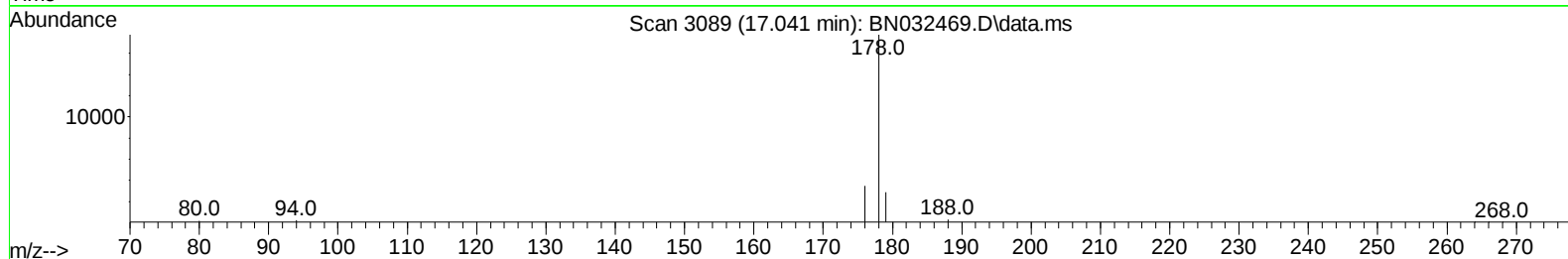
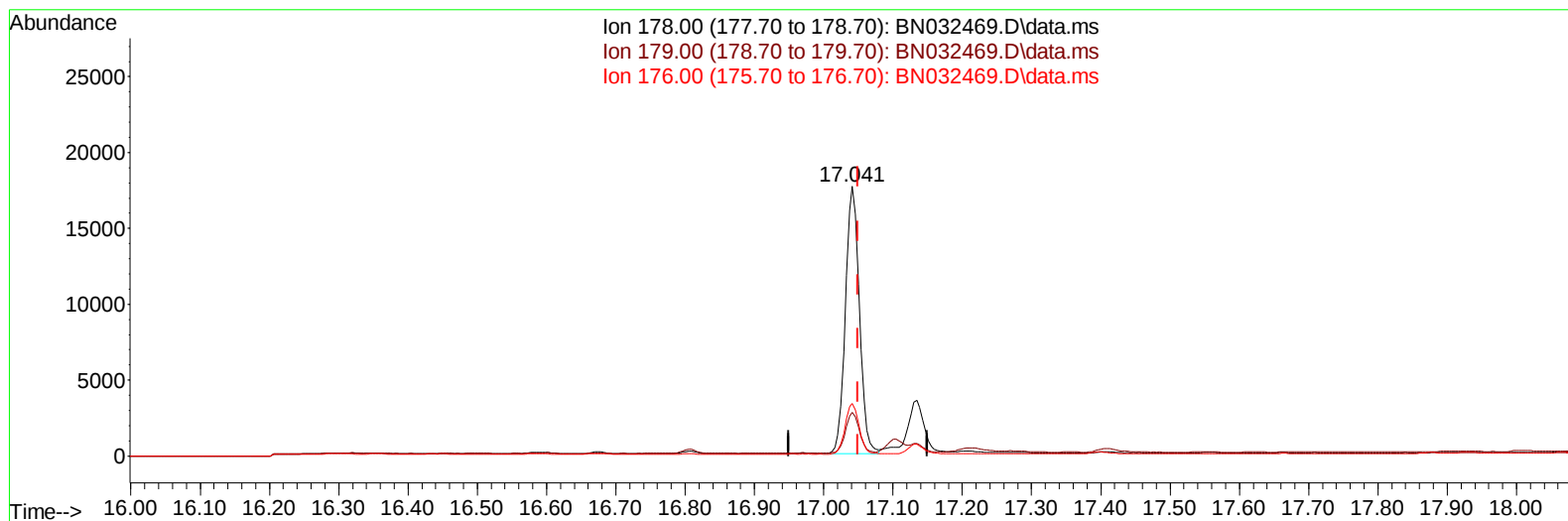
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(15) Phenanthrene

17.041min (-0.008) 0.33 ng/ul m

response 24755

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.20
176.00	19.50	19.50
0.00	0.00	0.00

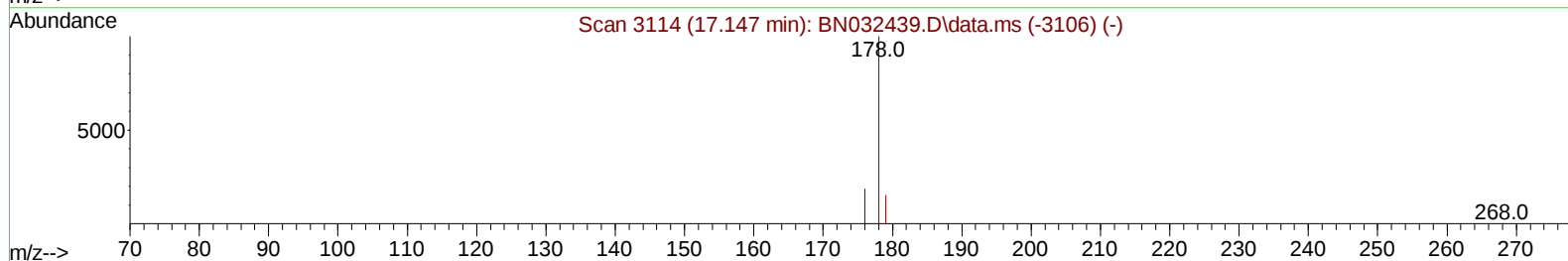
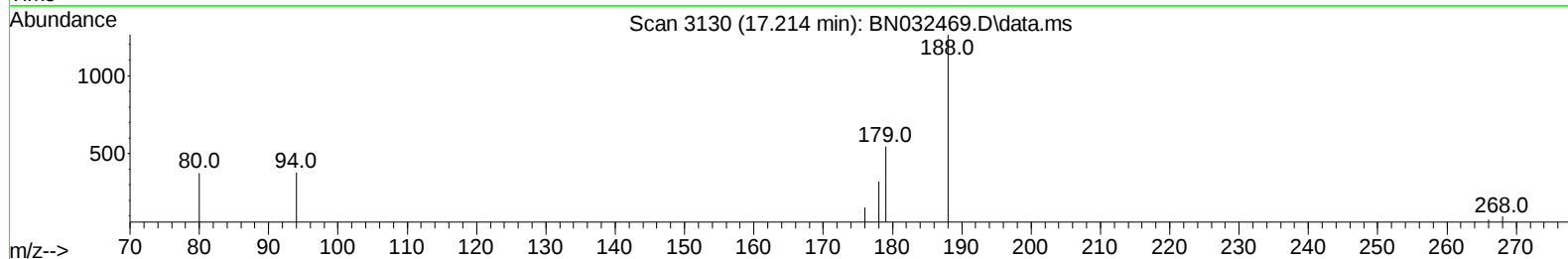
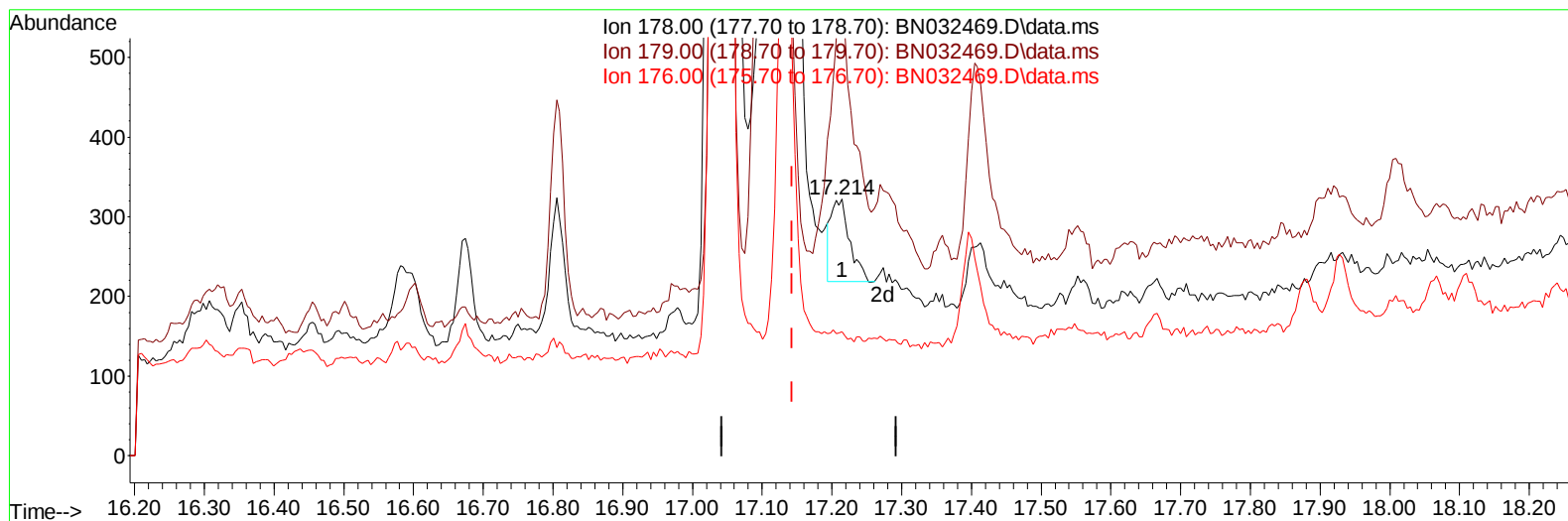
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032469.D
 Acq On : 04 Jul 2024 11:33
 Operator : MA/JU
 Sample : P2964-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(16) Anthracene

17.214min (+ 0.072) 0.00 ng/u1

response 189

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	170.19#
176.00	18.80	48.45#
0.00	0.00	0.00

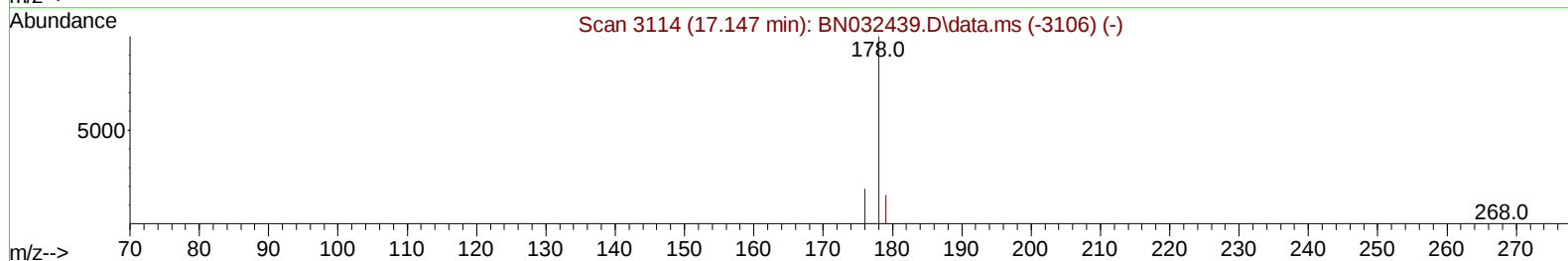
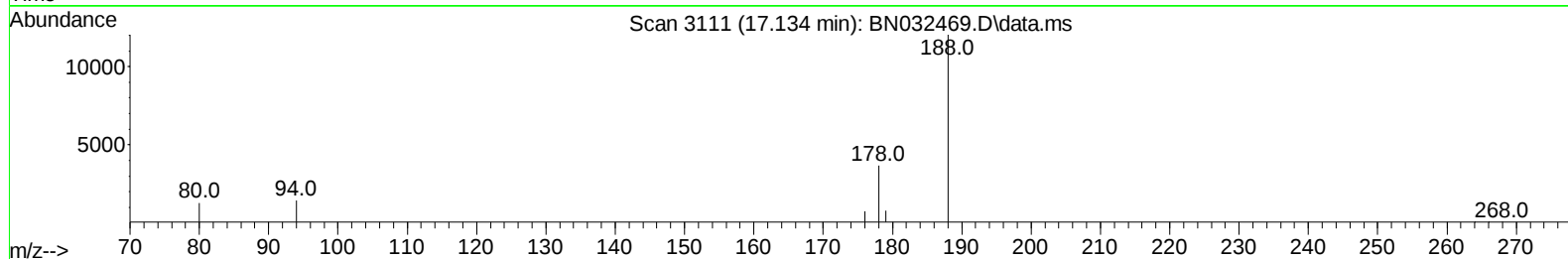
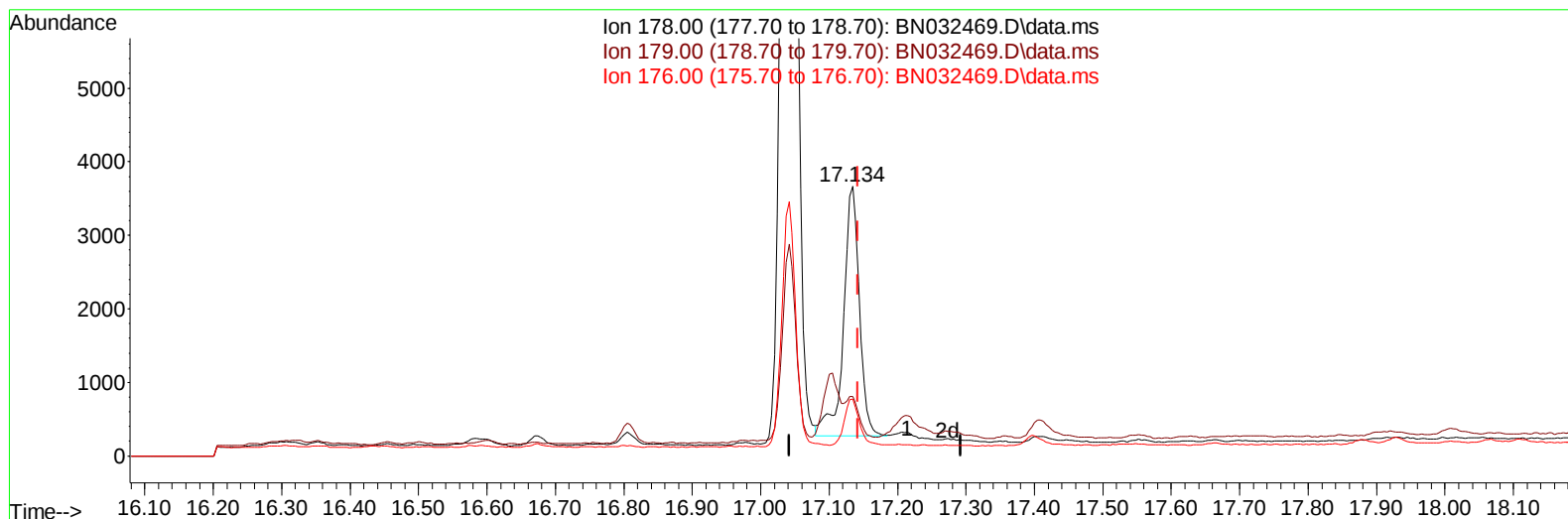
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(16) Anthracene

17.134min (-0.008) 0.08 ng/u1 m

response 5524

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	21.97#
176.00	18.80	21.04
0.00	0.00	0.00

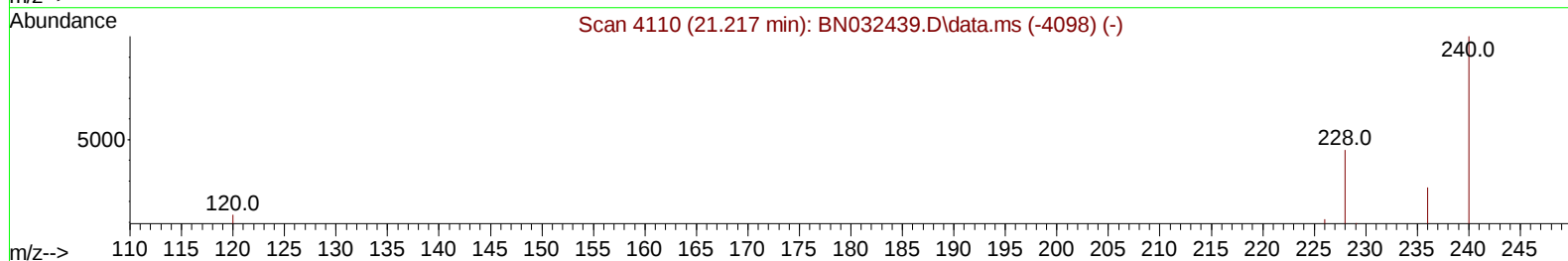
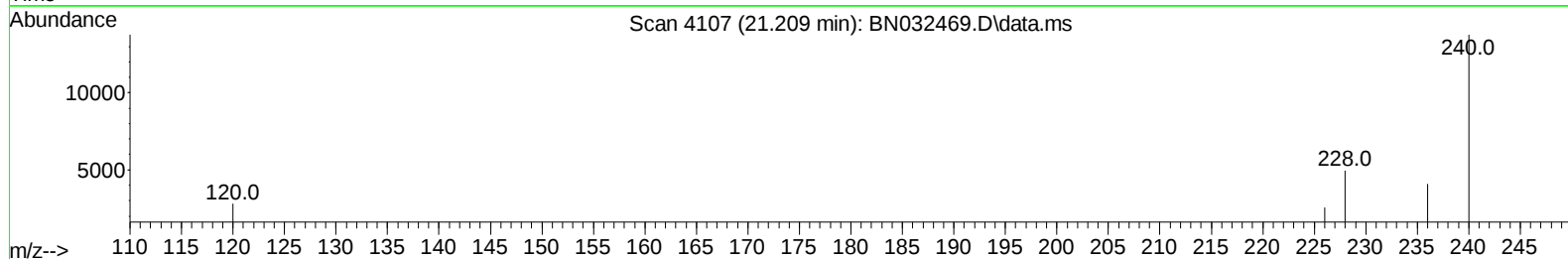
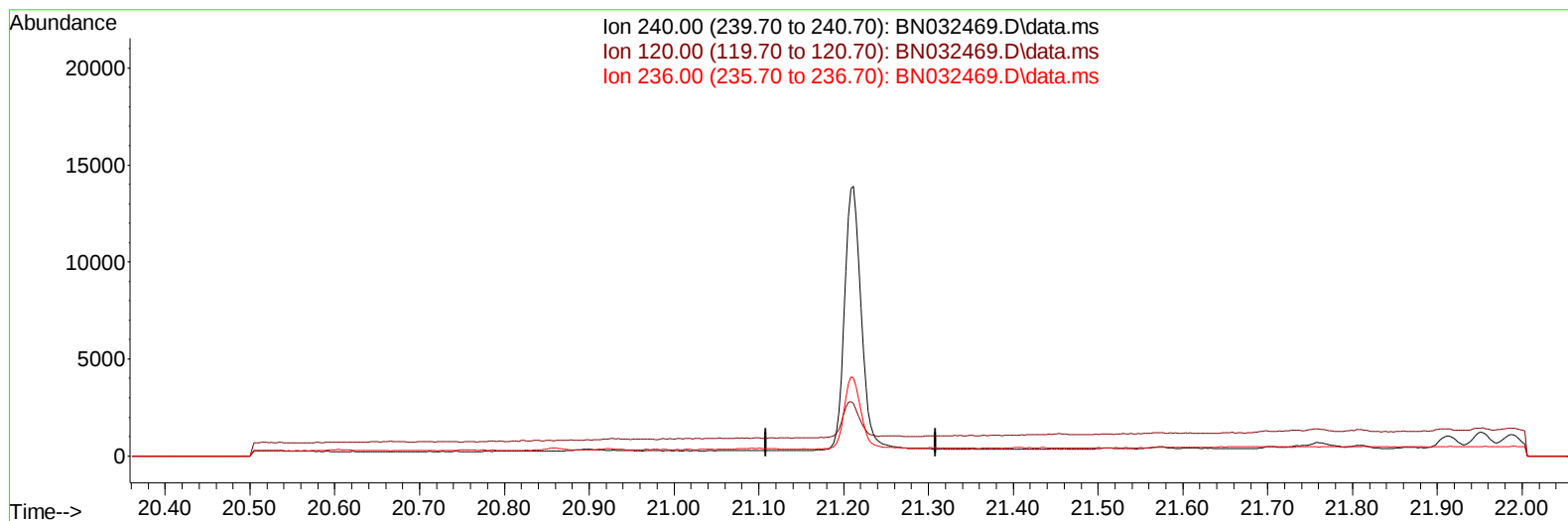
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
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TIC: BN032469.D\data.ms

(17) Chrysene-d12

21.209min (-21.209) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

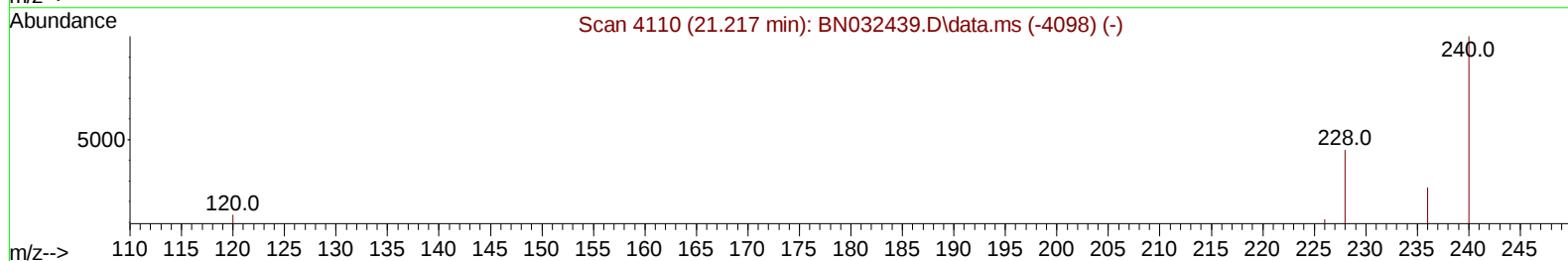
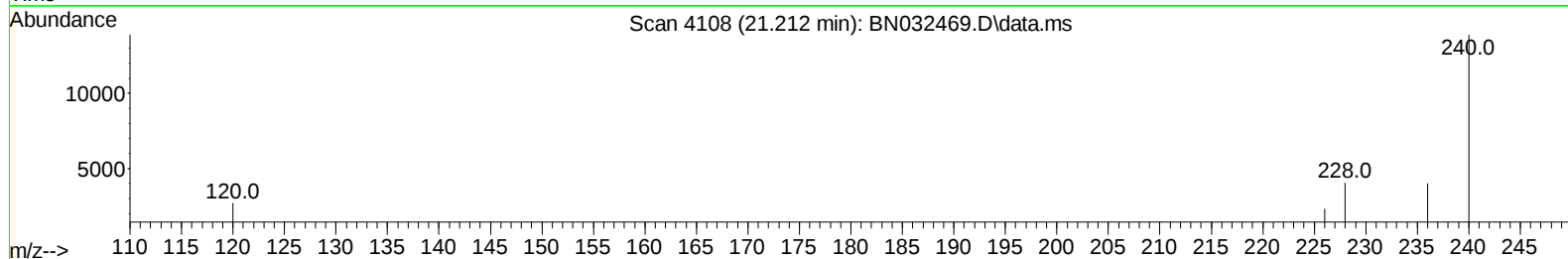
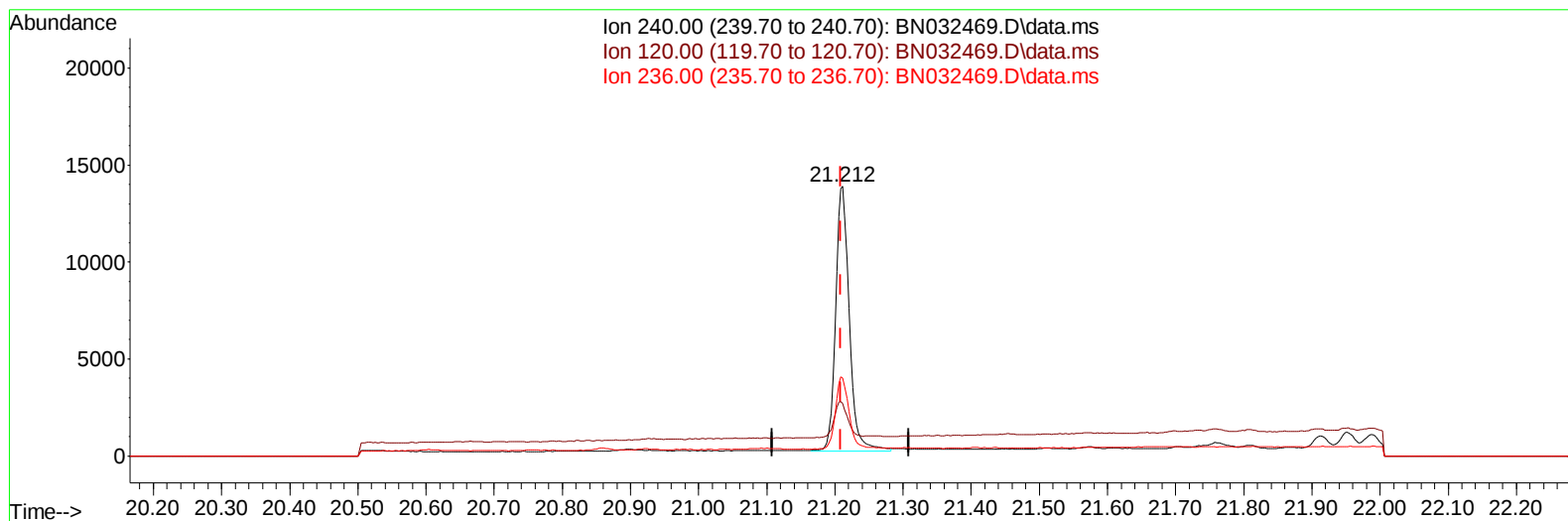
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(17) Chrysene-d12

21.212min (+ 0.003) 0.40 ng/ul m

response 19034

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	19.39
236.00	28.40	29.01
0.00	0.00	0.00

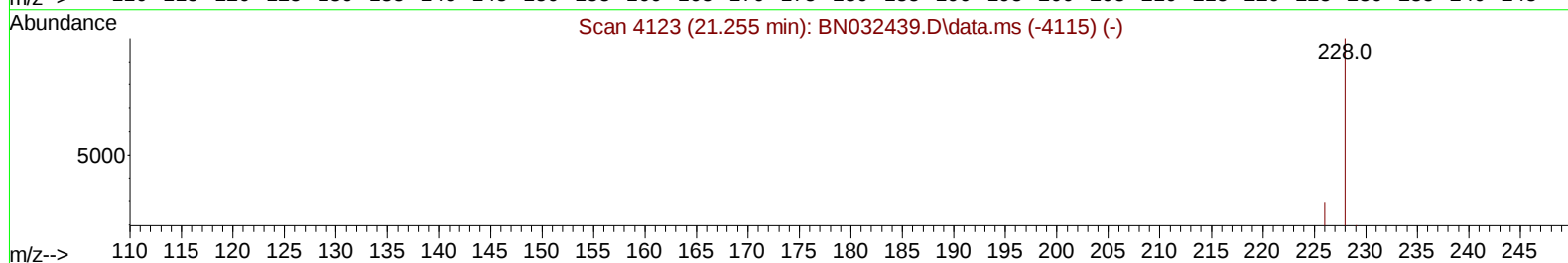
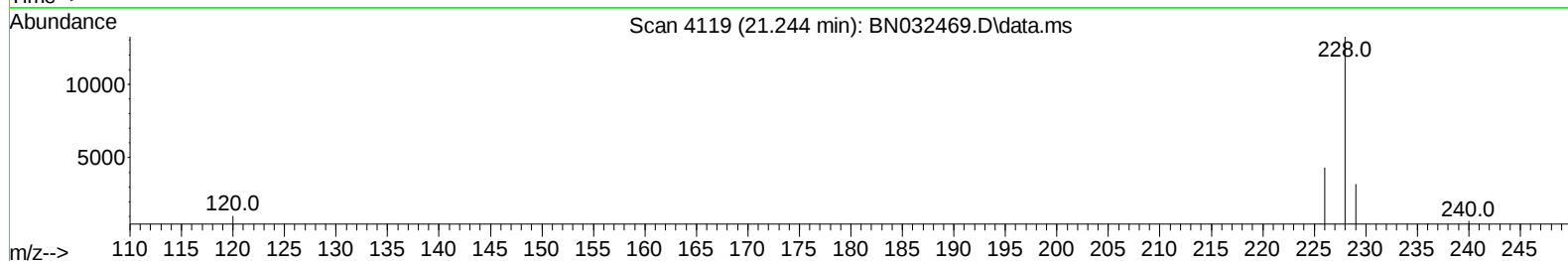
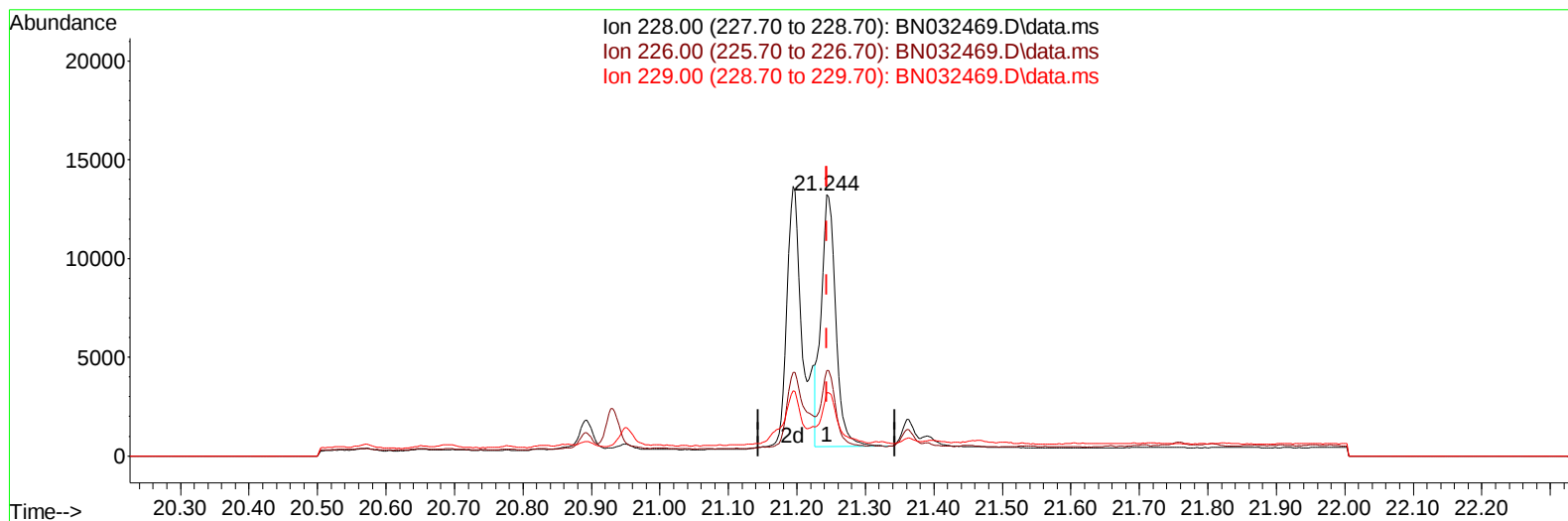
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032469.D
 Acq On : 04 Jul 2024 11:33
 Operator : MA/JU
 Sample : P2964-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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 QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(22) Chrysene

21.244min (+ 0.000) 0.25 ng/u1

response 18842

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	32.61
229.00	19.60	24.12#
0.00	0.00	0.00

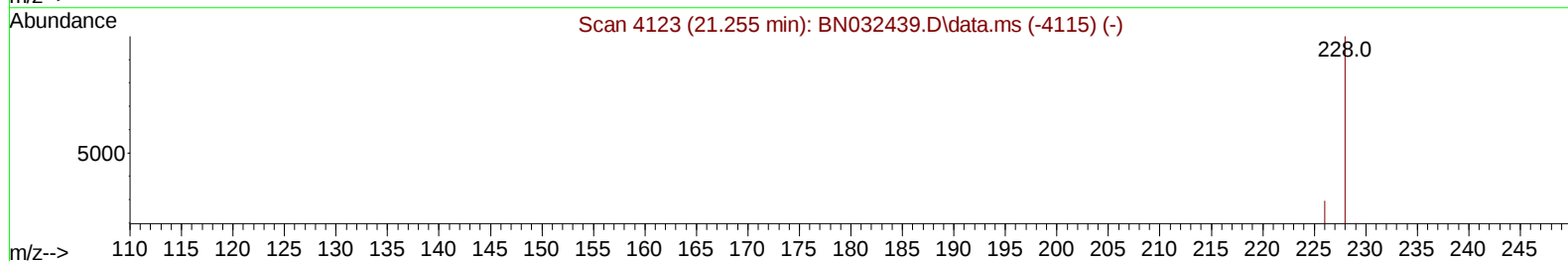
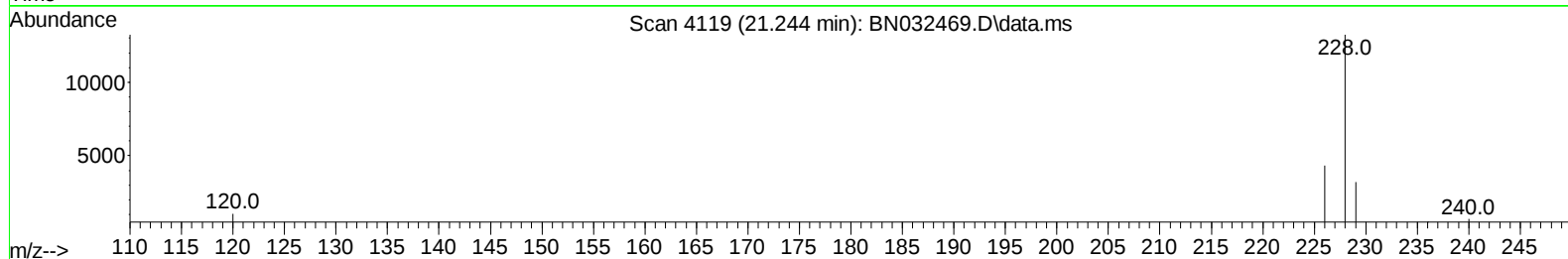
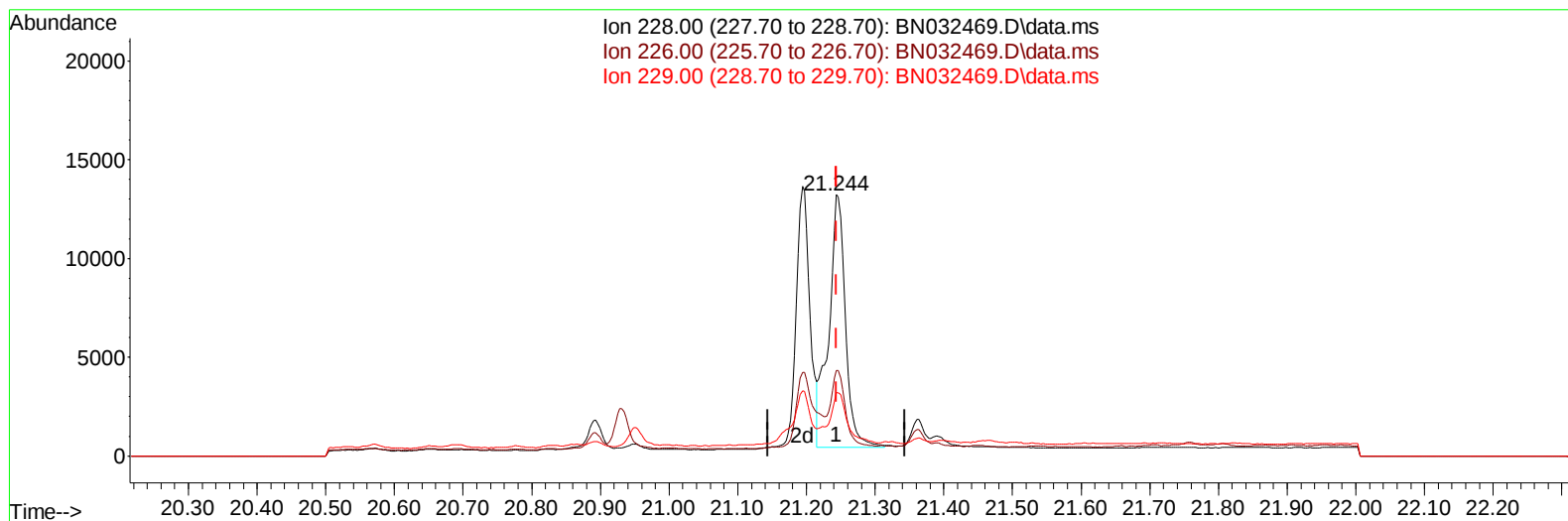
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(22) Chrysene

21.244min (+ 0.000) 0.29 ng/ul m

response 21761

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	29.50	32.61
229.00	19.60	24.12#
0.00	0.00	0.00

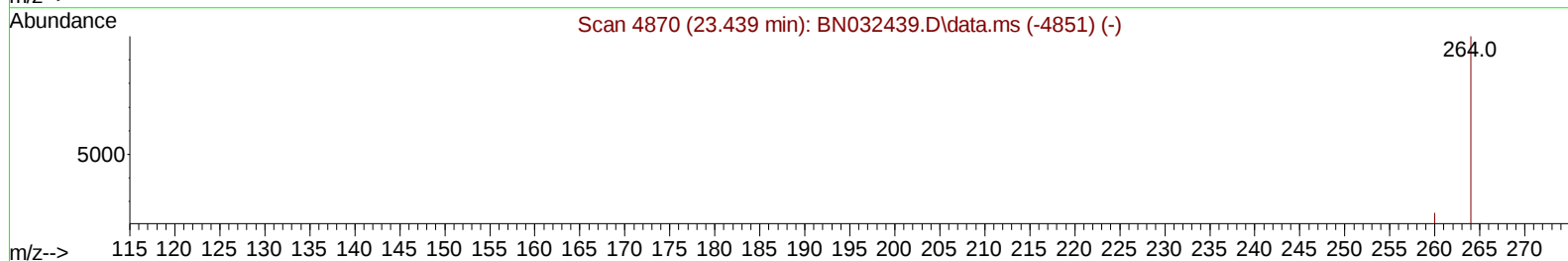
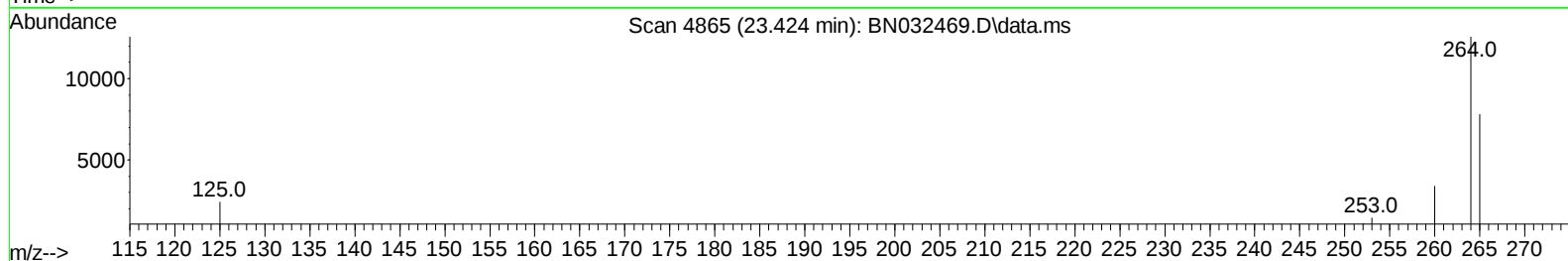
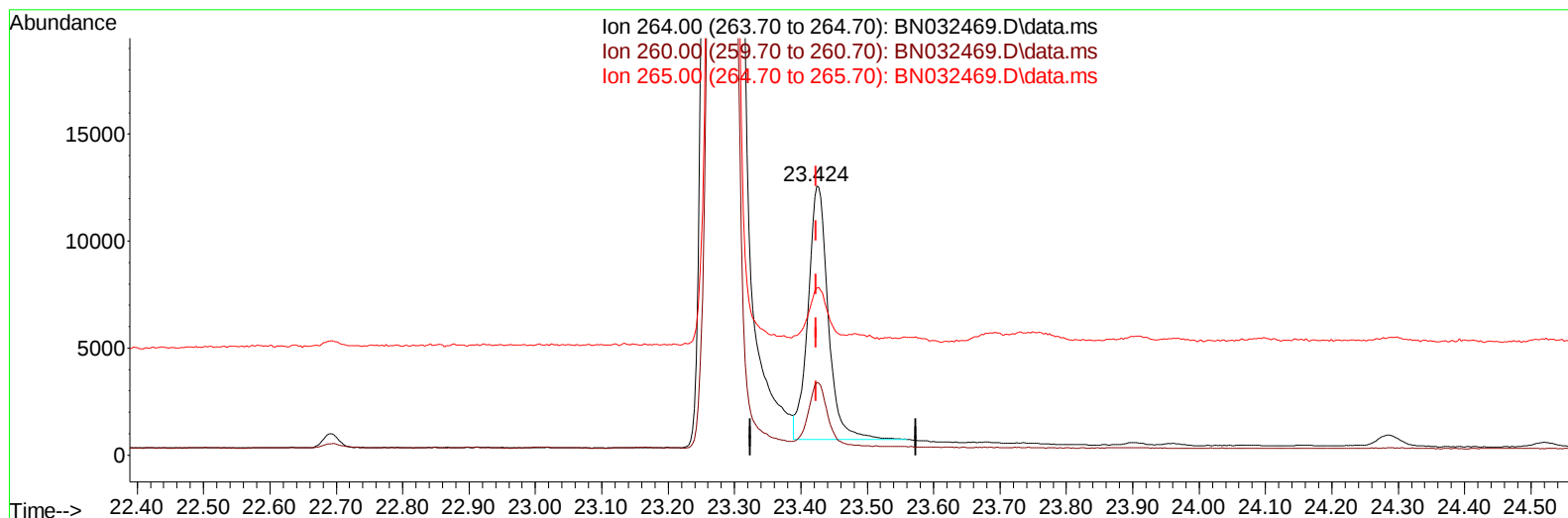
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(23) Perylene-d12 (I)

23.424min (+ 0.000) 0.40 ng/u1

response 25209

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.99
265.00	67.20	62.07
0.00	0.00	0.00

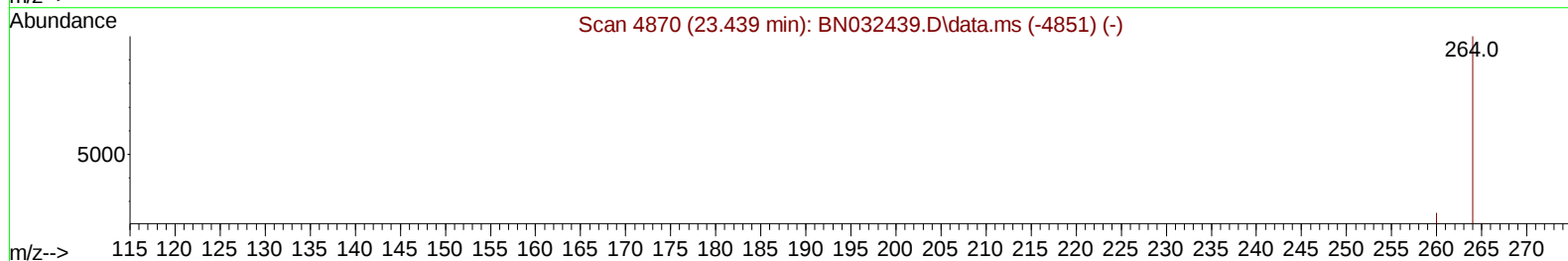
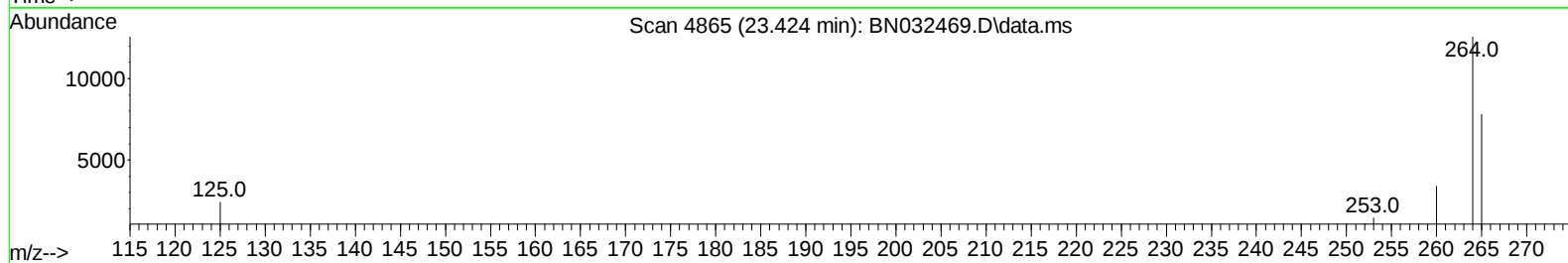
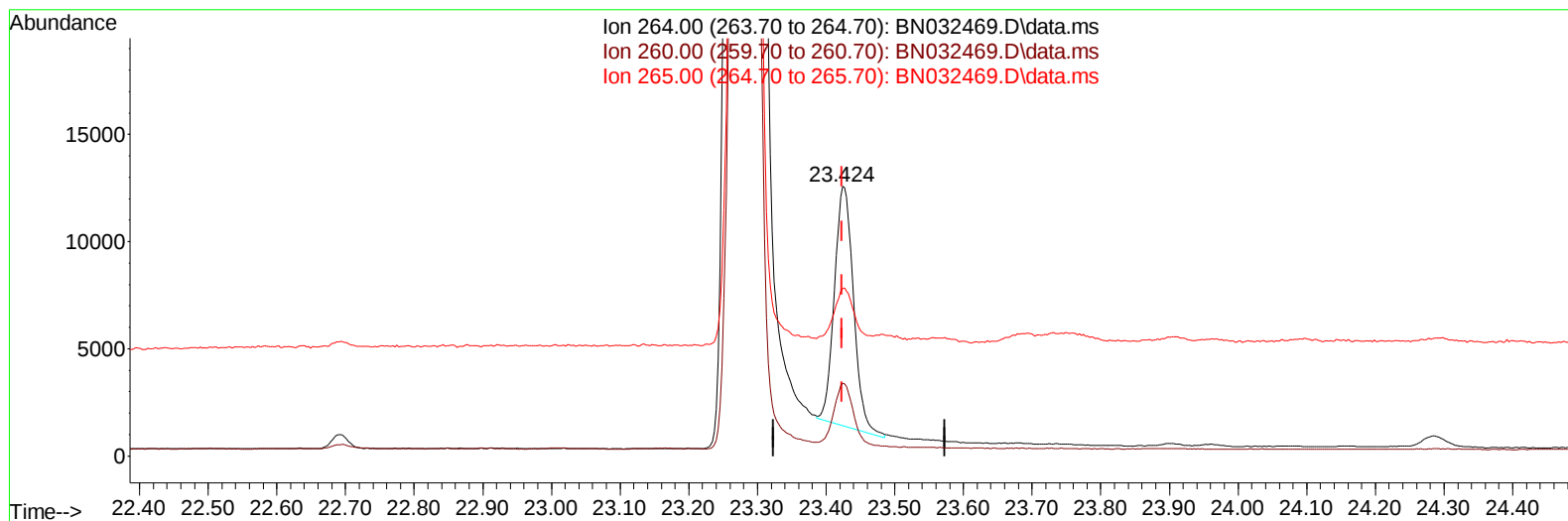
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(23) Perylene-d12 (I)

23.424min (+ 0.000) 0.40 ng/ul m

response 21535

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.99
265.00	67.20	62.07
0.00	0.00	0.00

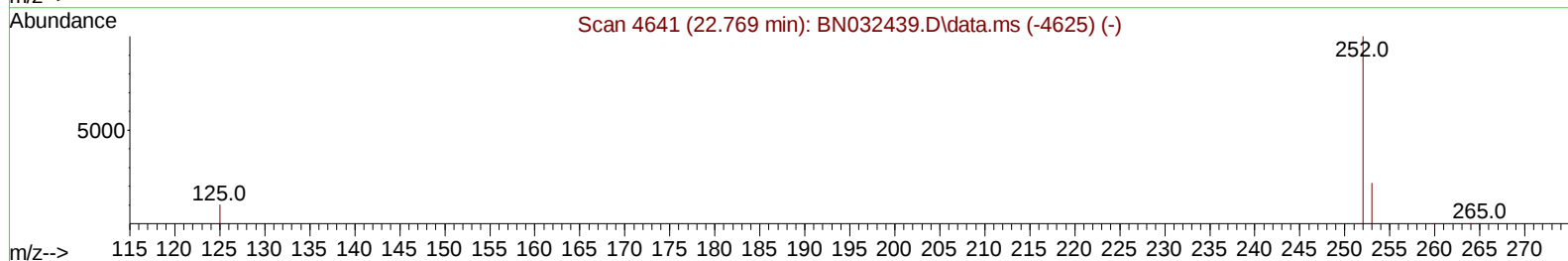
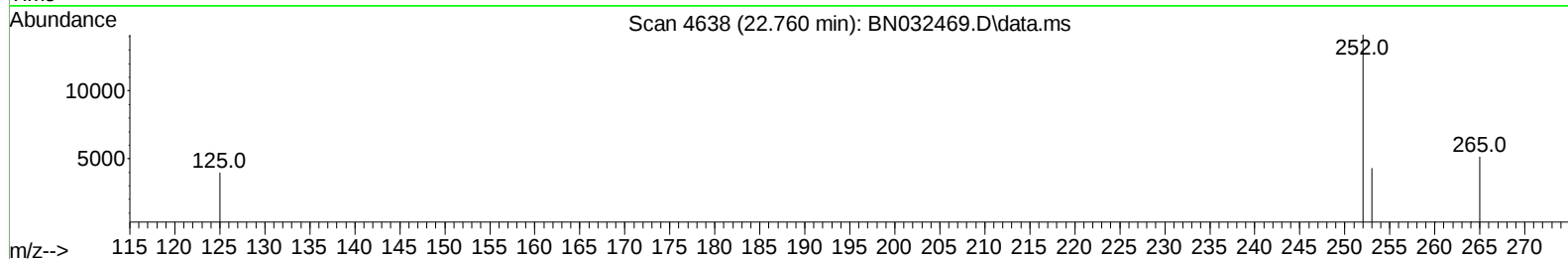
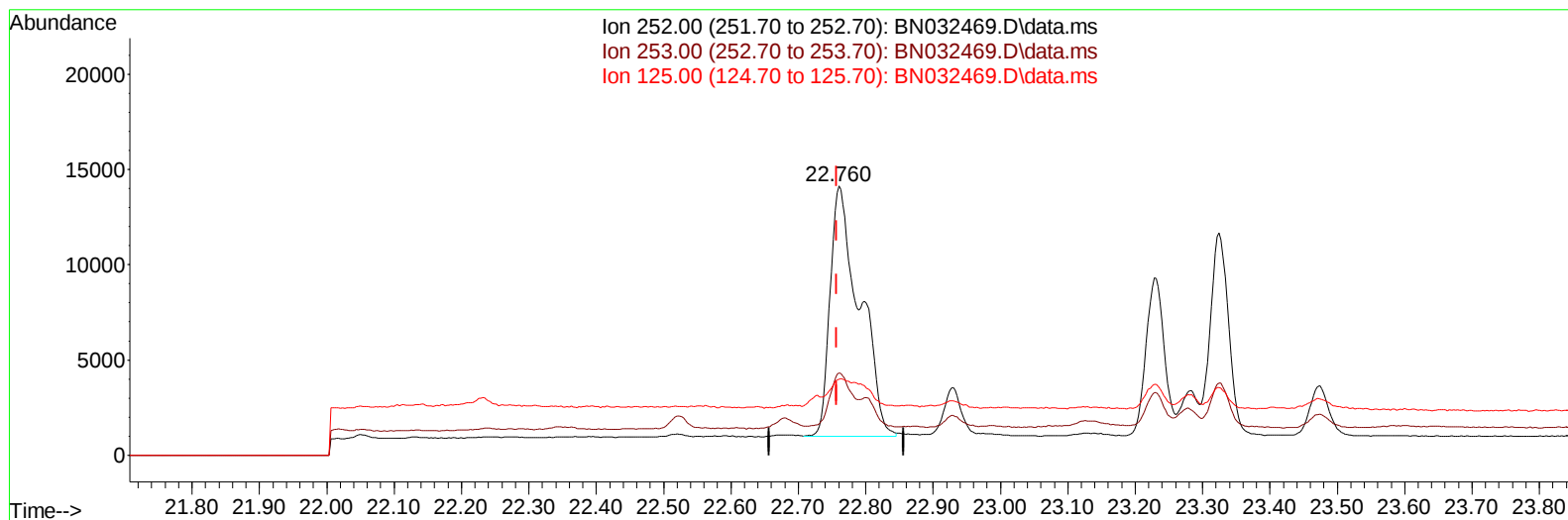
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.43 ng/u1

response 39839

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	30.52
125.00	16.00	28.22
0.00	0.00	0.00

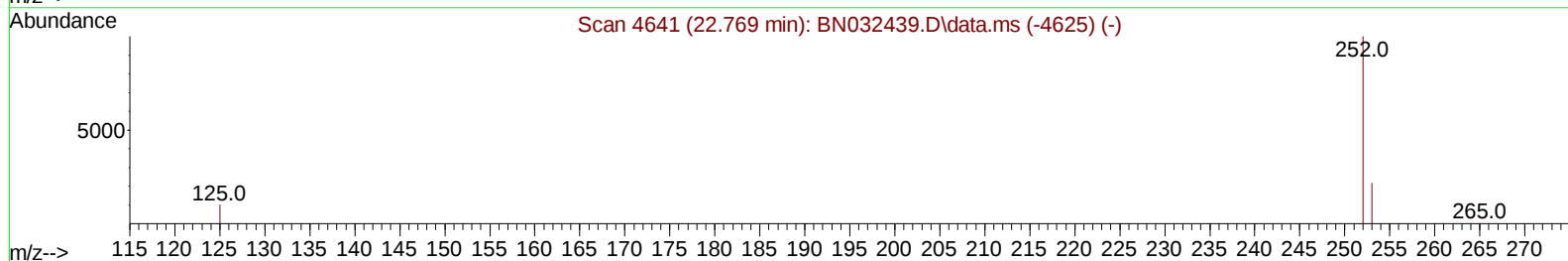
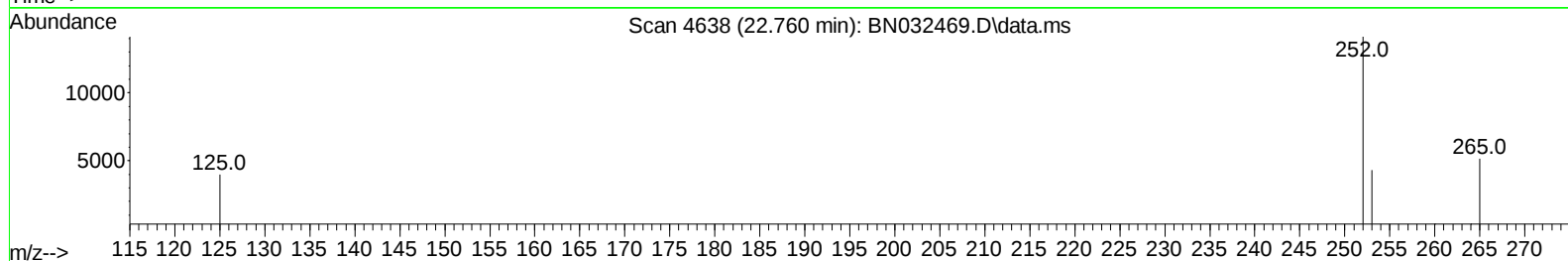
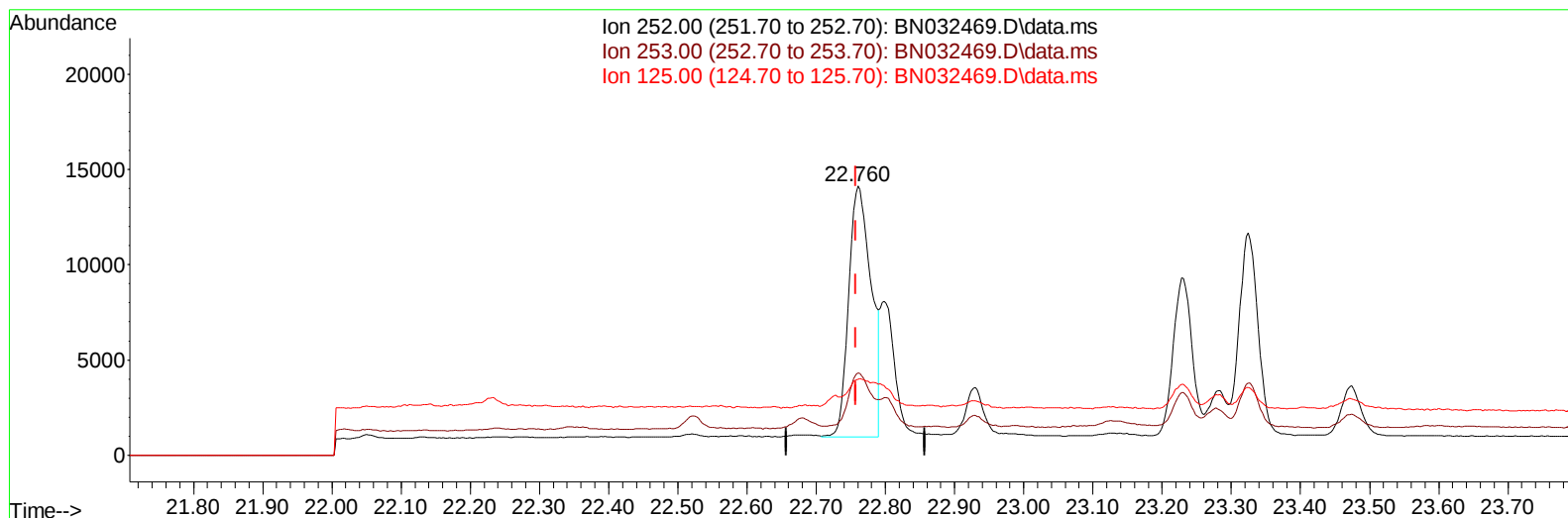
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032469.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.32 ng/u1 m

response 29619

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	30.52
125.00	16.00	28.22
0.00	0.00	0.00

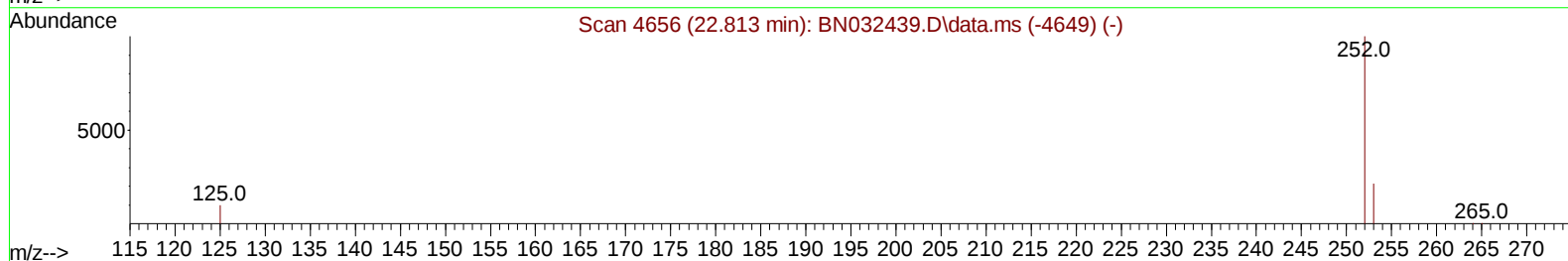
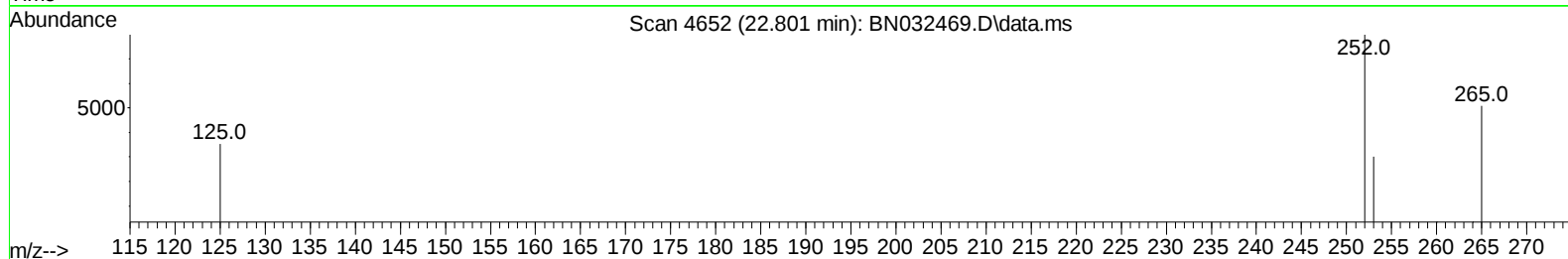
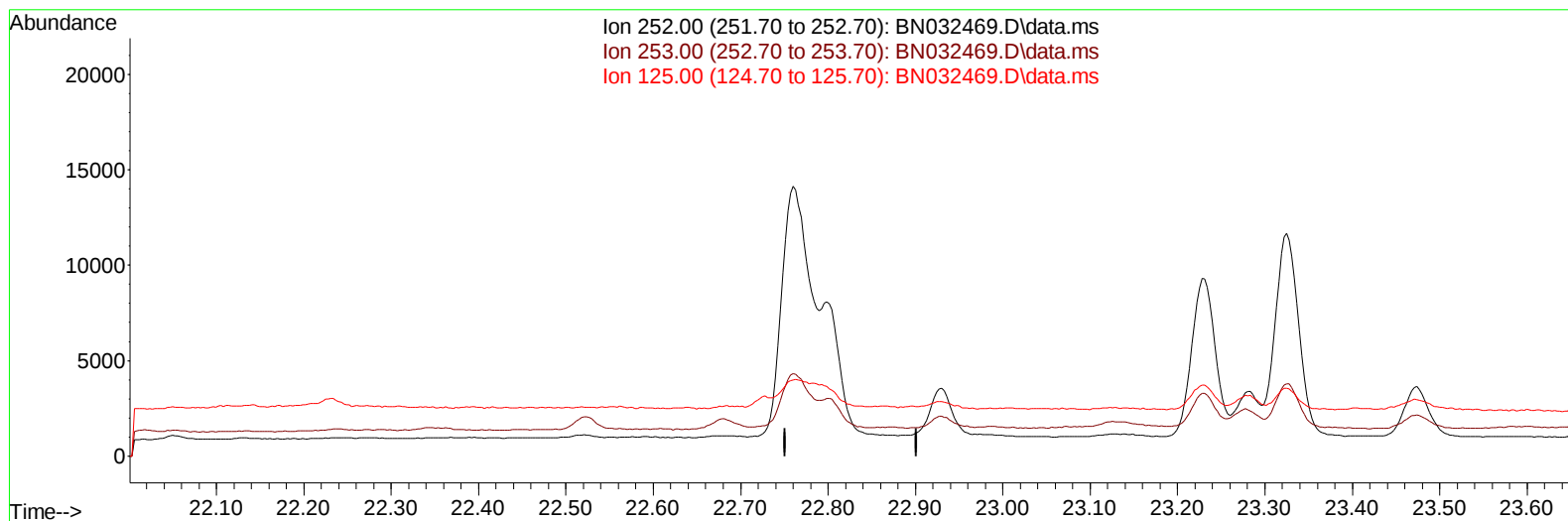
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
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Misc :
ALS Vial : 41 Sample Multiplier: 1

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TIC: BN032469.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

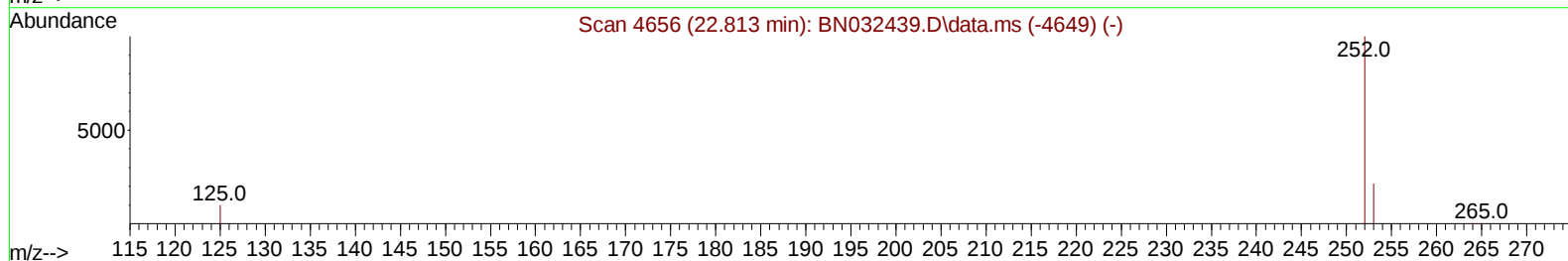
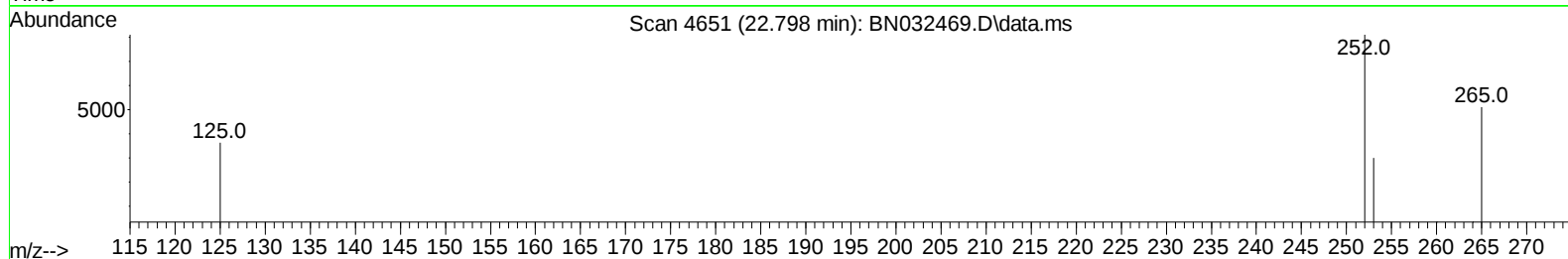
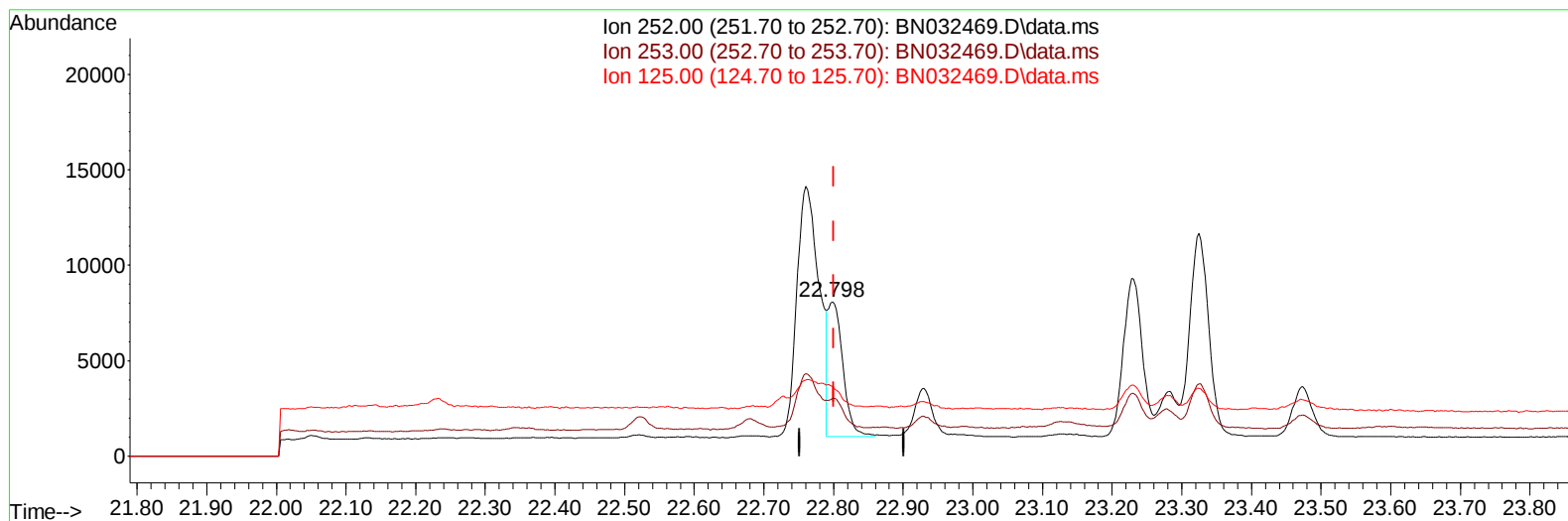
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032469.D
Acq On : 04 Jul 2024 11:33
Operator : MA/JU
Sample : P2964-15
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT4

Manual IntegrationsAPPROVED

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TIC: BN032469.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 0.11 ng/u1 m

response 10382

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	37.14#
125.00	16.00	44.92#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032469.D
 Acq On : 04 Jul 2024 11:33
 Operator : MA/JU
 Sample : P2964-15
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT4

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/05/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	8288	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136	25734	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164	14638	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188	27114m	0.400	ng/ul	0.00
17) Chrysene-d12	21.212	240	19034m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264	21535m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	31231	3.390	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152	8466	0.219	ng/ul	0.00
18) Fluoranthene-d10	19.036	212	15462	0.270	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.420	128	2052	0.030	ng/ul#	85
10) Acenaphthylene	13.962	152	3275	0.054	ng/ul#	88
11) Acenaphthene	14.309	153	1330	0.028	ng/ul	96
12) Fluorene	15.303	166	1539	0.027	ng/ul#	97
15) Phenanthrene	17.041	178	24755m	0.333	ng/ul	
16) Anthracene	17.134	178	5524m	0.083	ng/ul	
19) Fluoranthene	19.069	202	42767	0.590	ng/ul	98
20) Pyrene	19.436	202	40035	0.529	ng/ul	99
21) Benzo(a)anthracene	21.194	228	19225	0.280	ng/ul#	92
22) Chrysene	21.244	228	21761m	0.289	ng/ul	
24) Benzo(b)fluoranthene	22.760	252	29619m	0.317	ng/ul	
25) Benzo(k)fluoranthene	22.798	252	10382m	0.114	ng/ul	
26) Benzo(a)pyrene	23.325	252	20232	0.311	ng/ul#	86
27) Indeno(1,2,3-cd)pyrene	25.660	276	16154	0.158	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.663	278	3827	0.051	ng/ul#	6
29) Benzo(g,h,i)perylene	26.347	276	16105	0.198	ng/ul#	86

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

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