

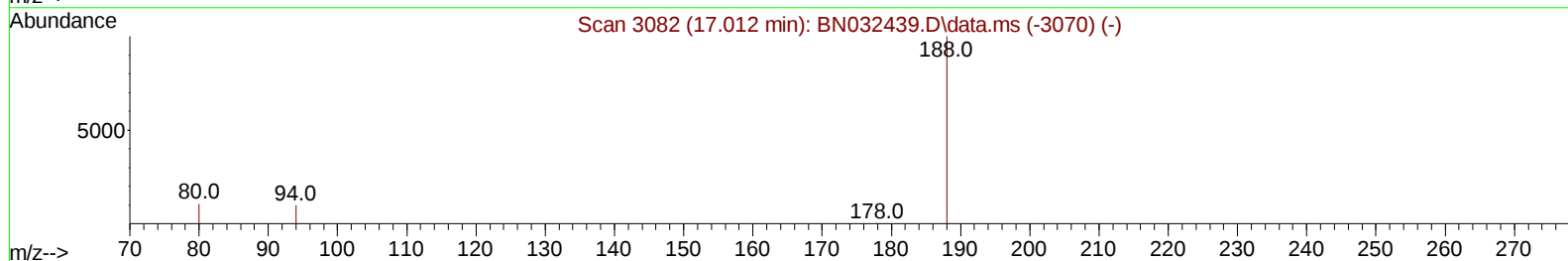
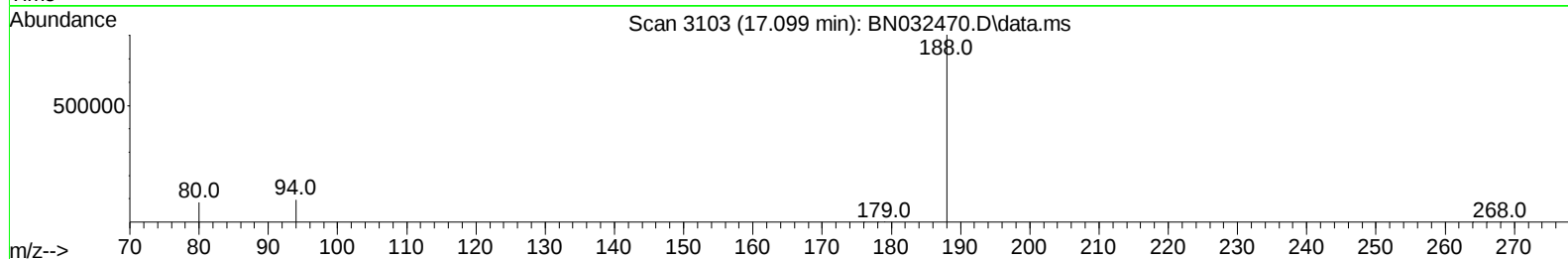
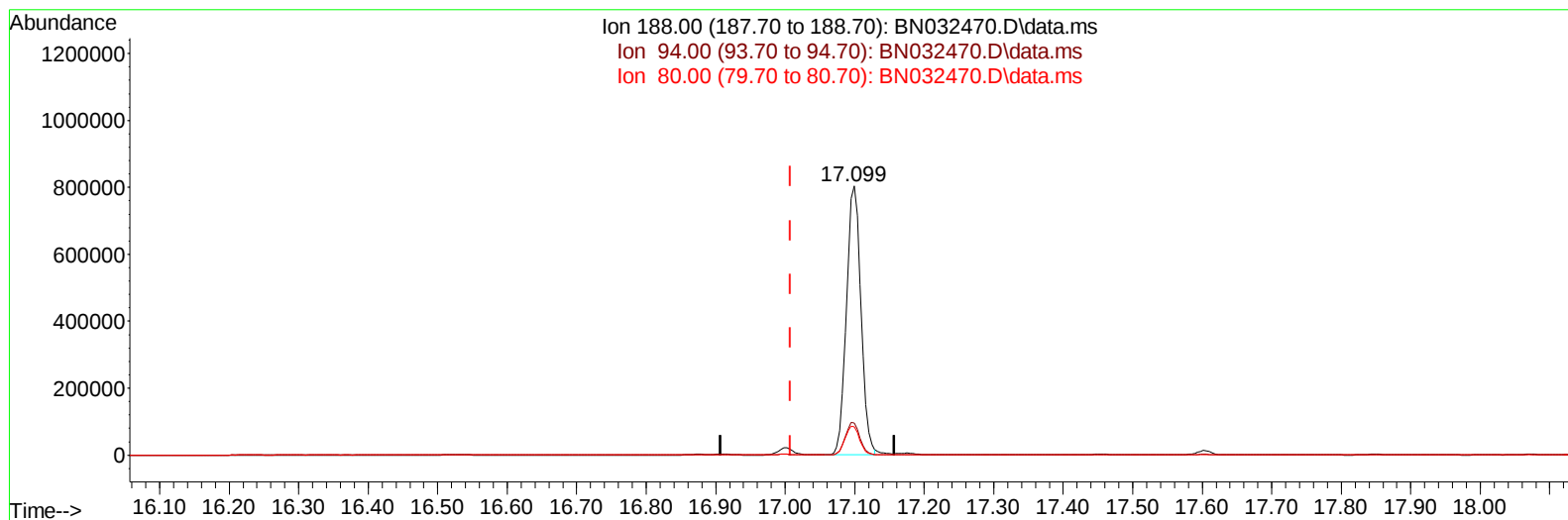
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(13) Phenanthrene-d10 (I)

17.099min (+ 0.092) 0.40 ng/u1

response 1164198

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.93
80.00	10.50	10.51
0.00	0.00	0.00

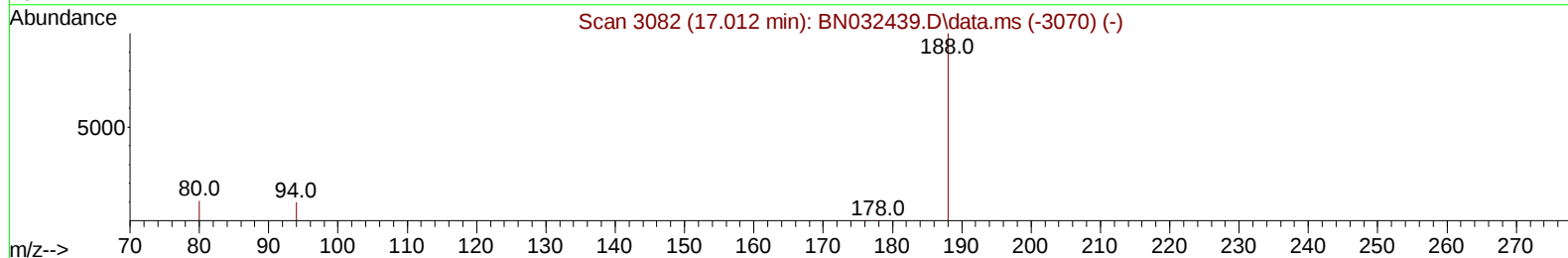
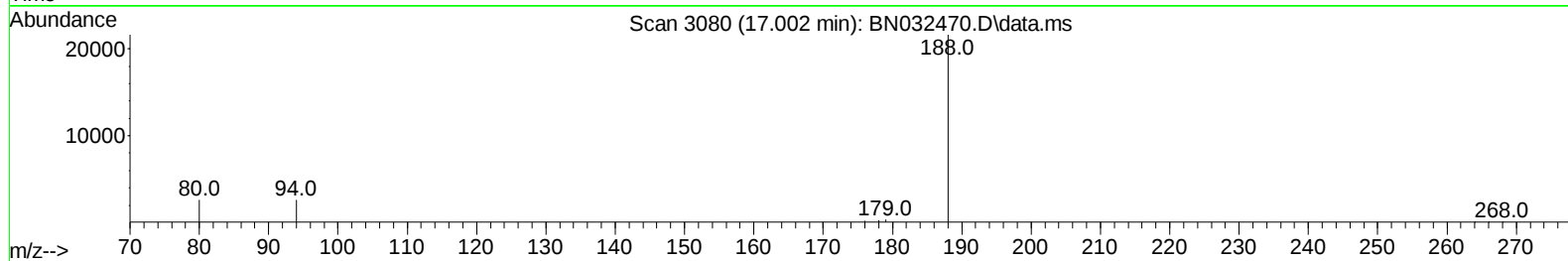
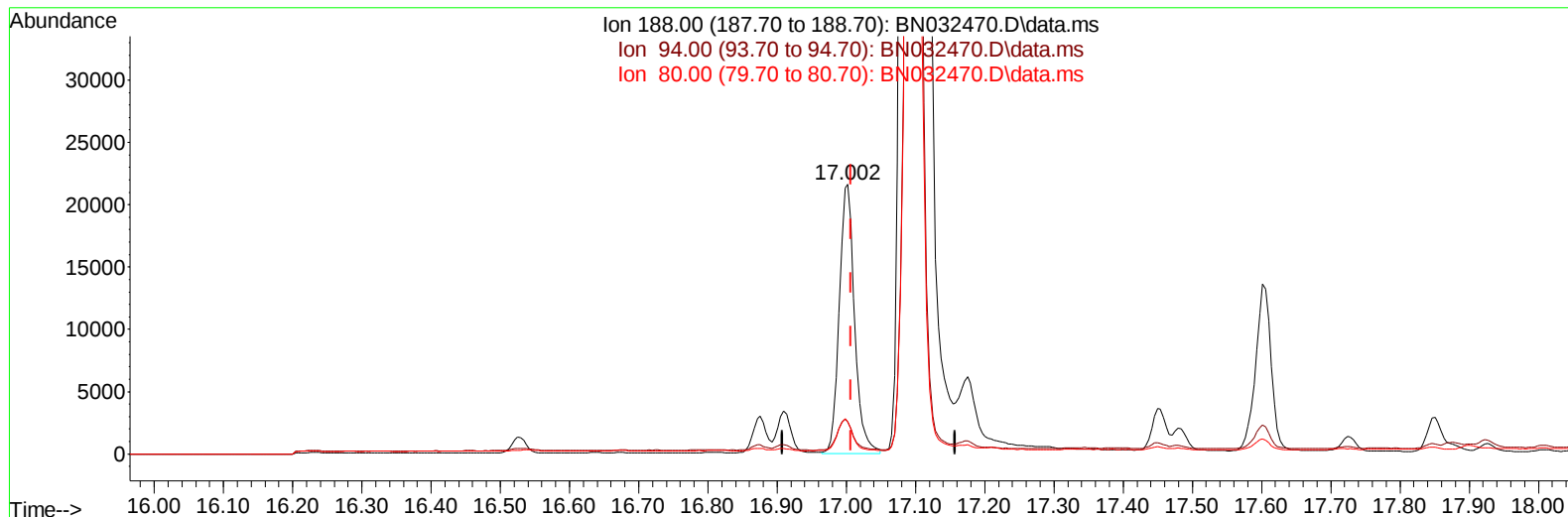
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(13) Phenanthrene-d10 (I)

17.002min (-0.005) 0.40 ng/ul m

response 33080

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.99
80.00	10.50	12.04
0.00	0.00	0.00

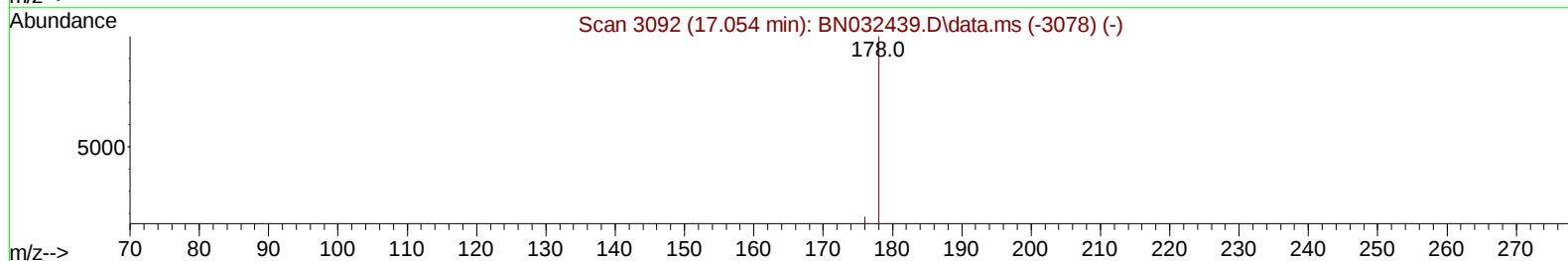
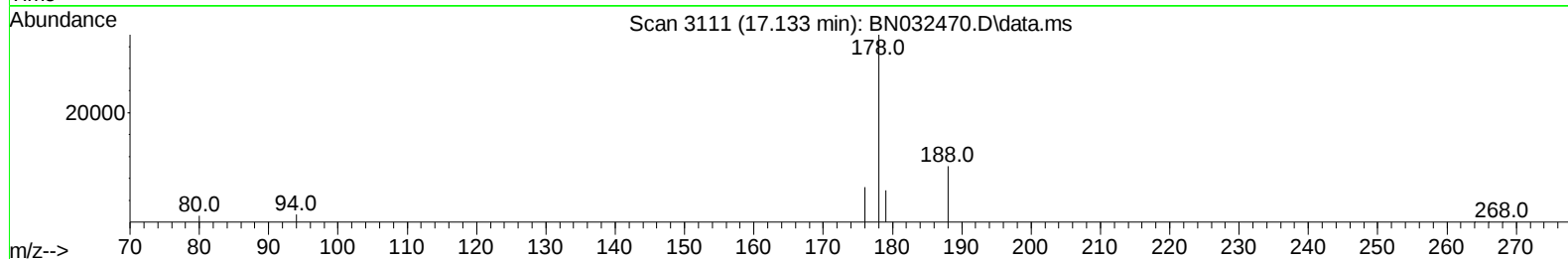
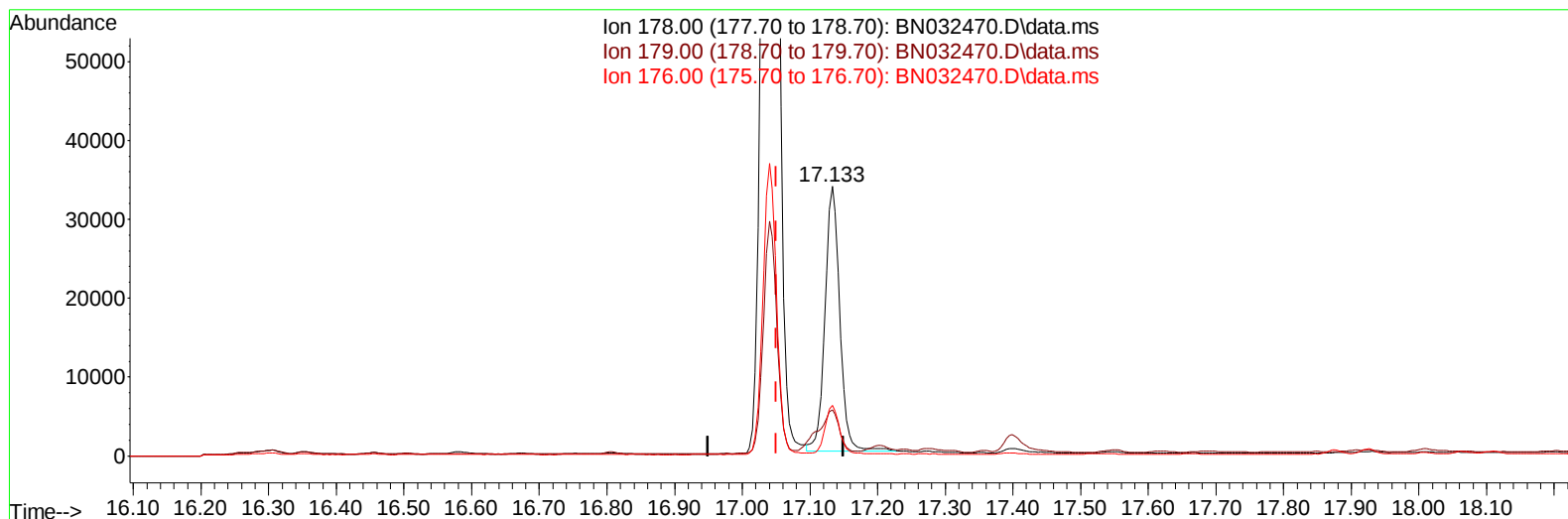
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(15) Phenanthrene

17.133min (+ 0.083) 0.56 ng/u1

response 50799

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	17.14
176.00	19.50	18.79
0.00	0.00	0.00

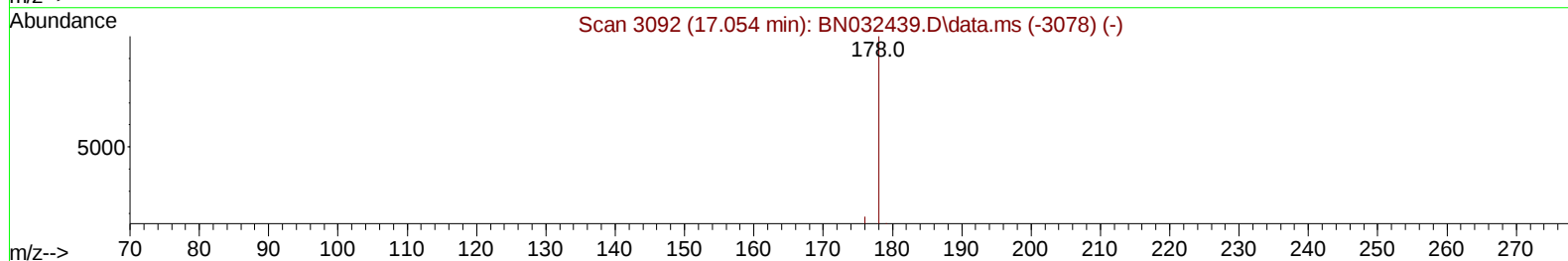
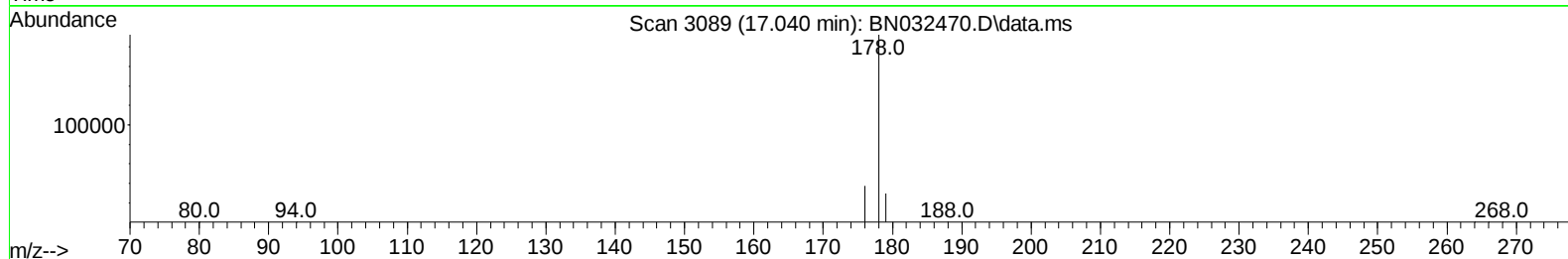
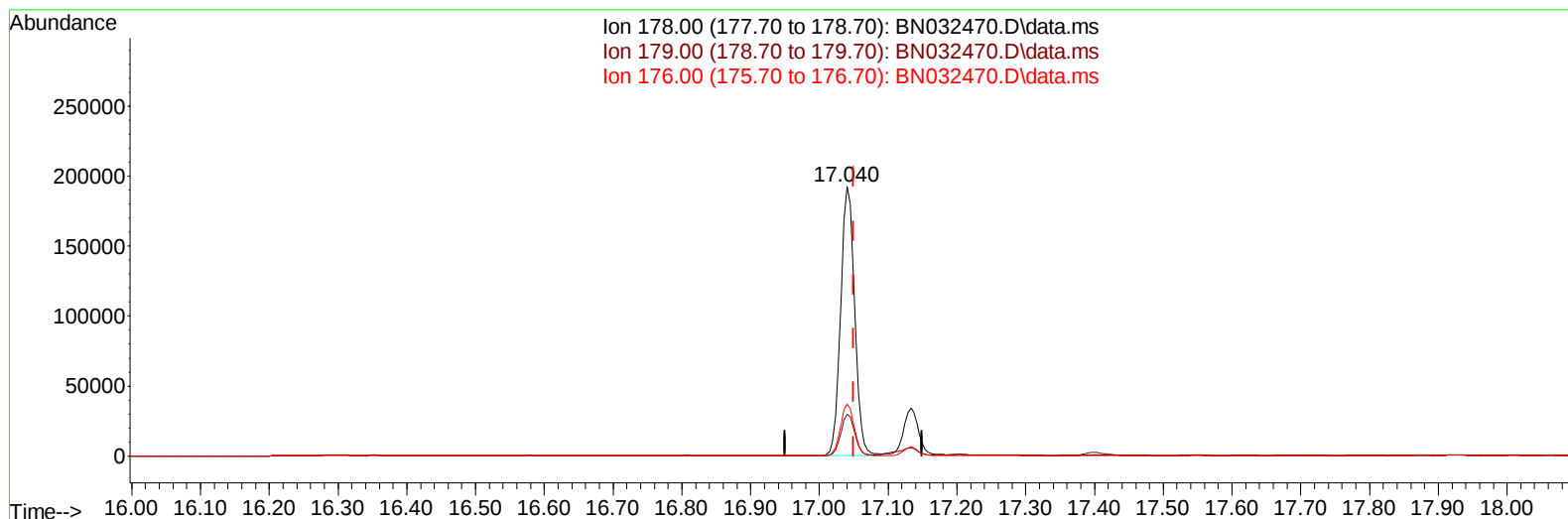
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(15) Phenanthrene

17.040min (-0.010) 2.99 ng/u1 m

response 271506

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.46
176.00	19.50	19.25
0.00	0.00	0.00

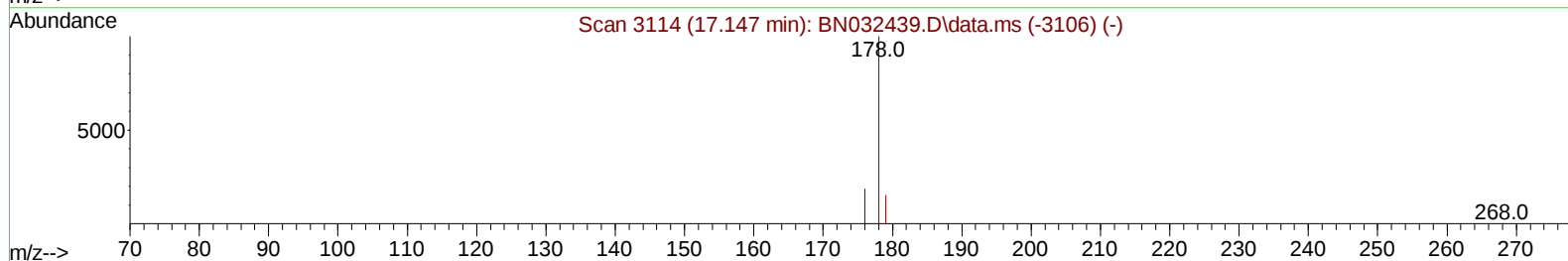
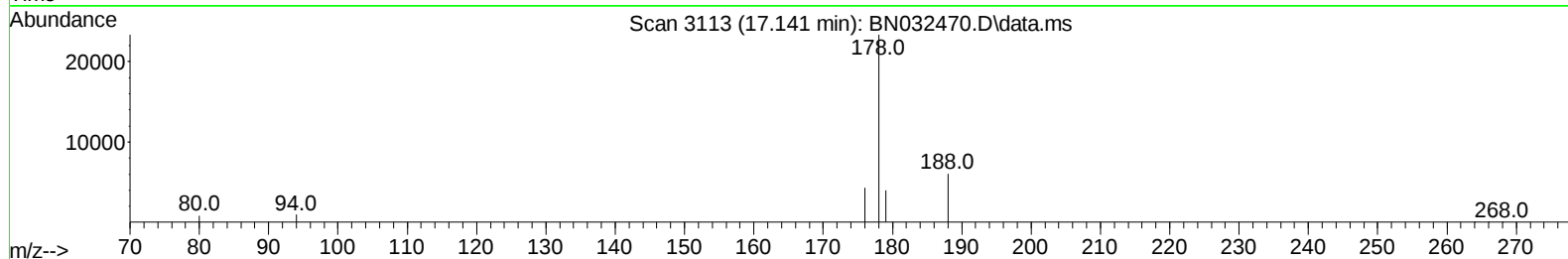
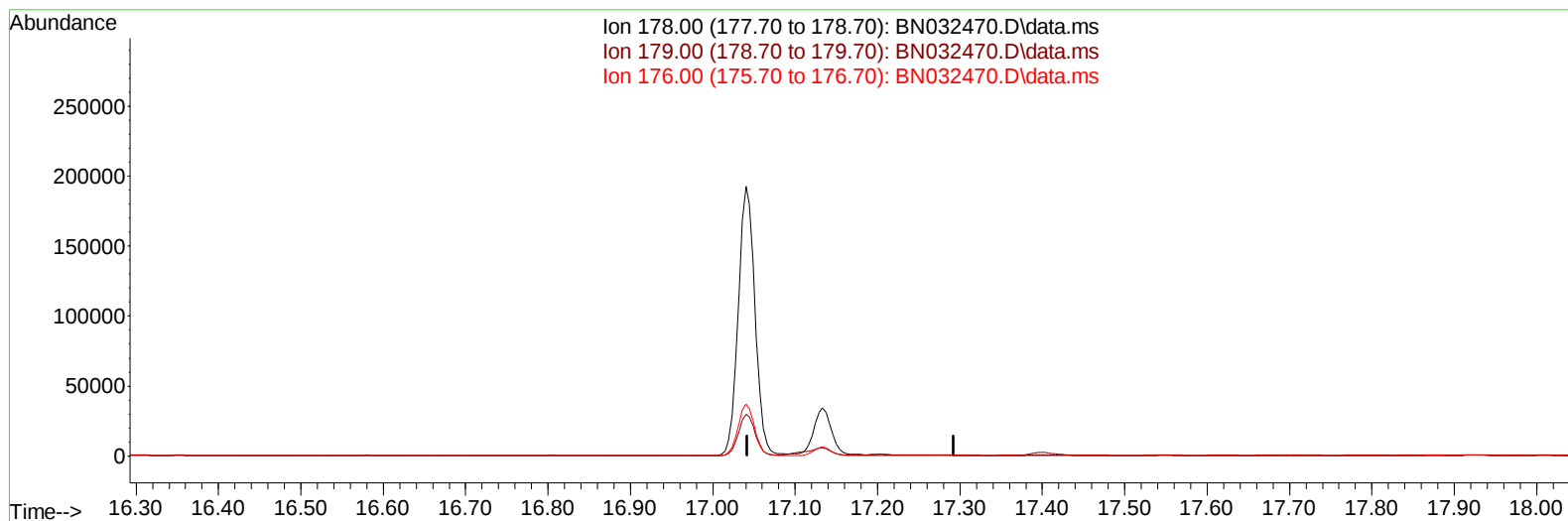
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(16) Anthracene

17.143min (-17.143) 0.00 ng/u1

response 0

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

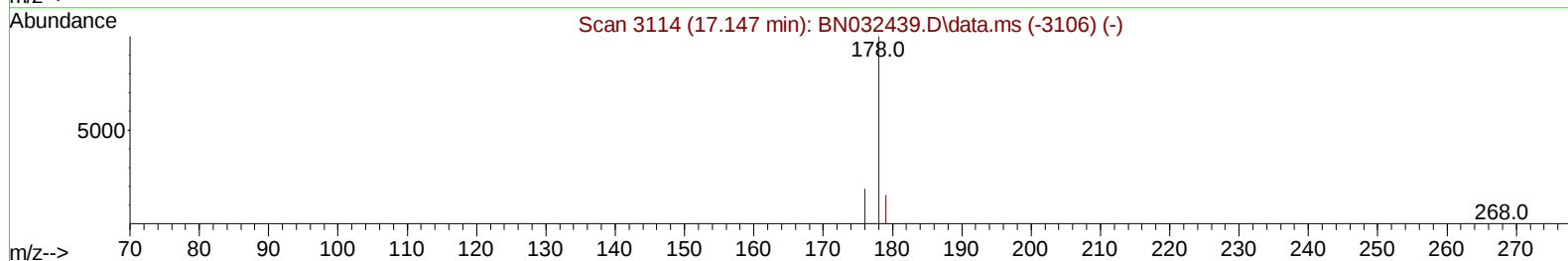
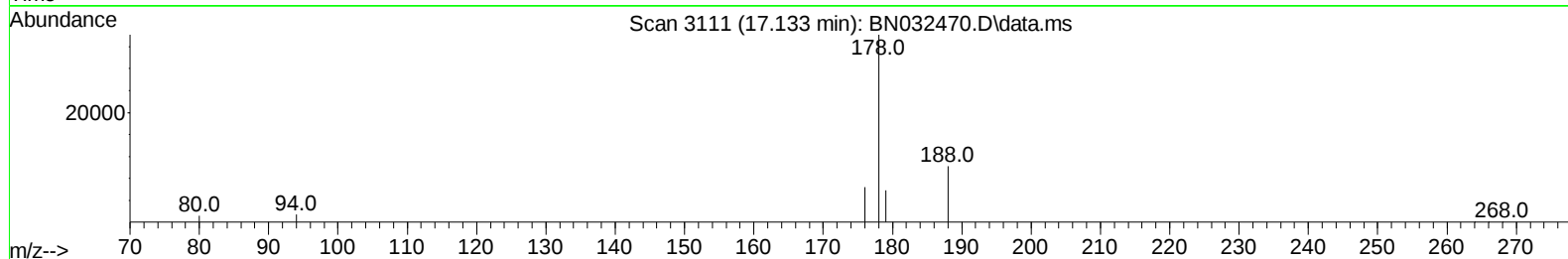
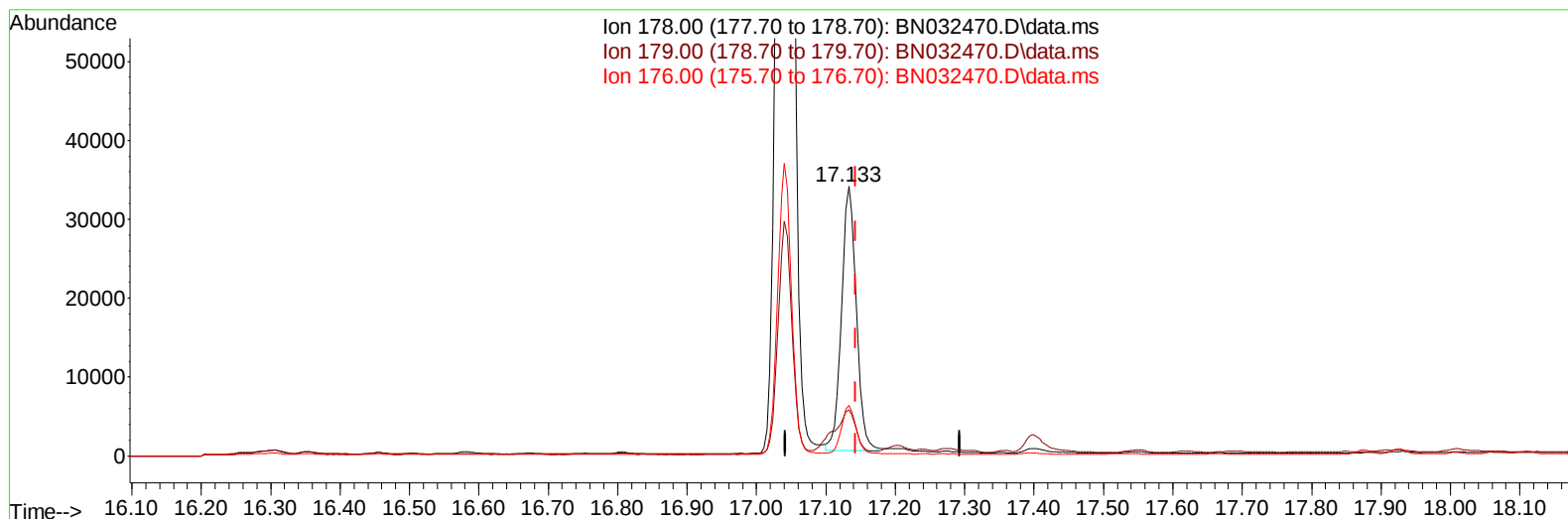
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(16) Anthracene

17.133min (-0.010) 0.61 ng/ul m

response 49588

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	17.14
176.00	18.80	18.79
0.00	0.00	0.00

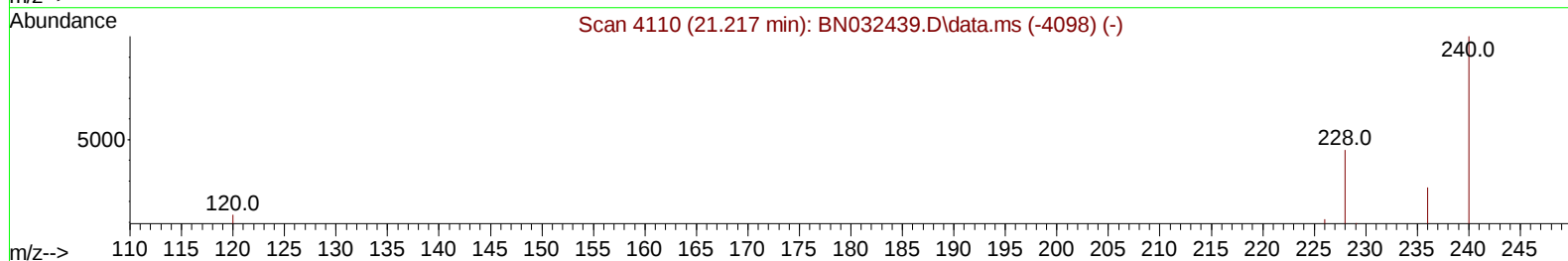
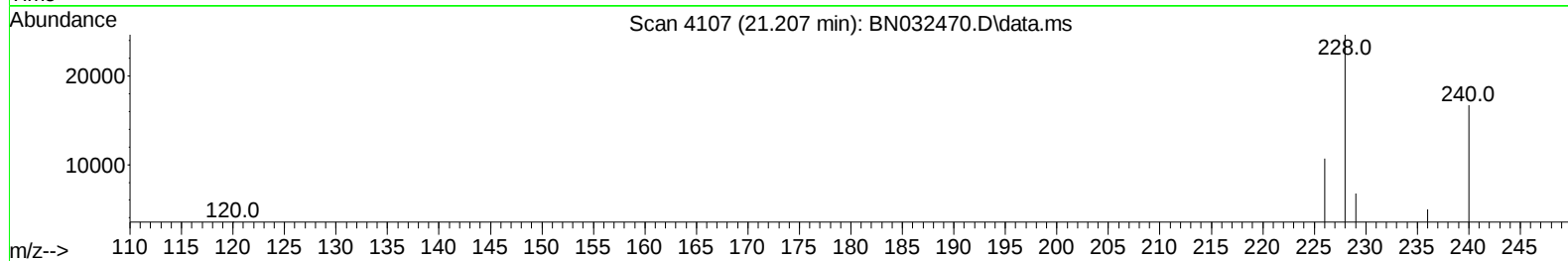
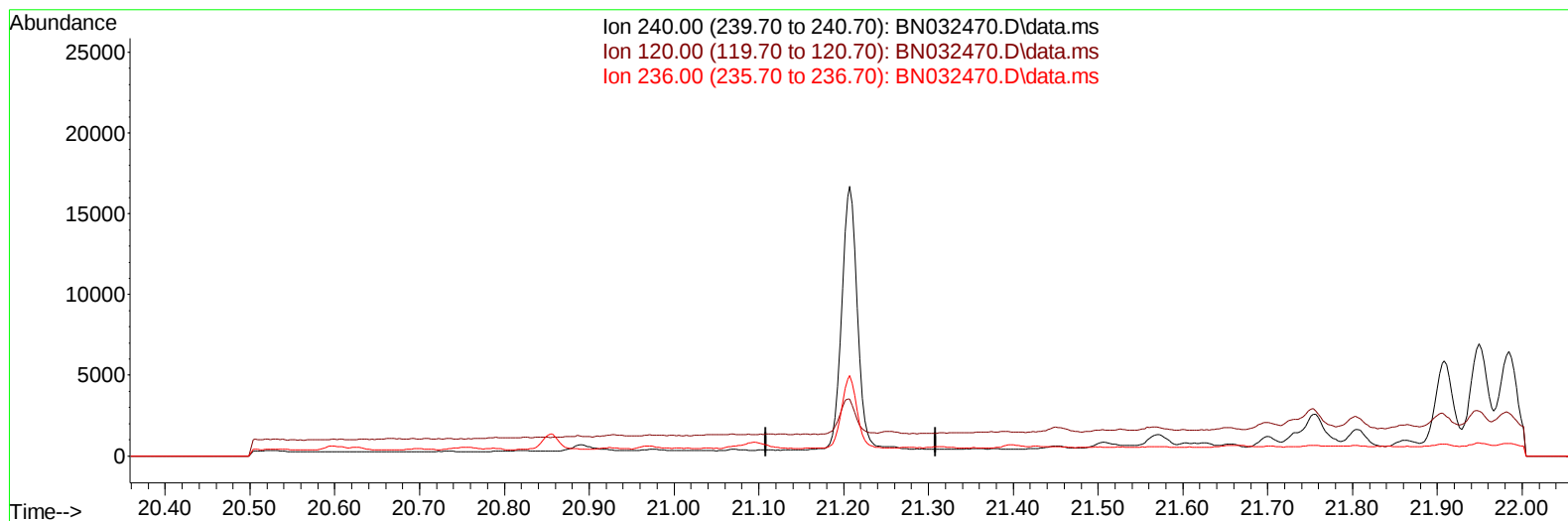
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.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

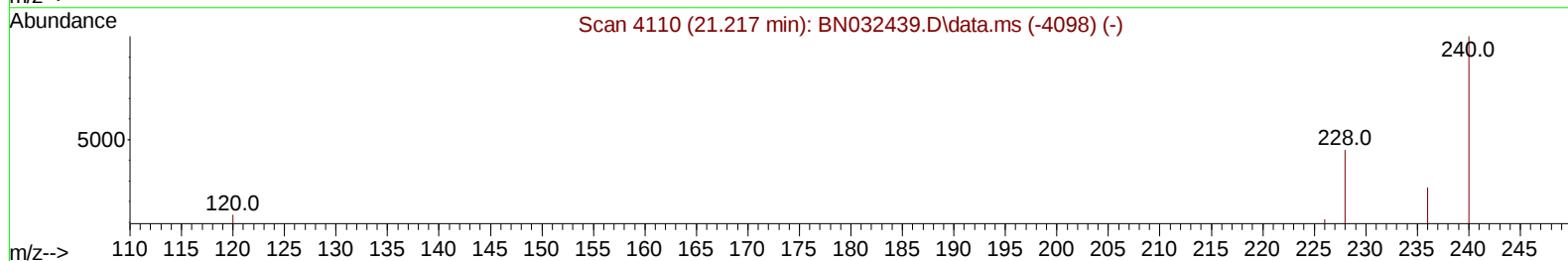
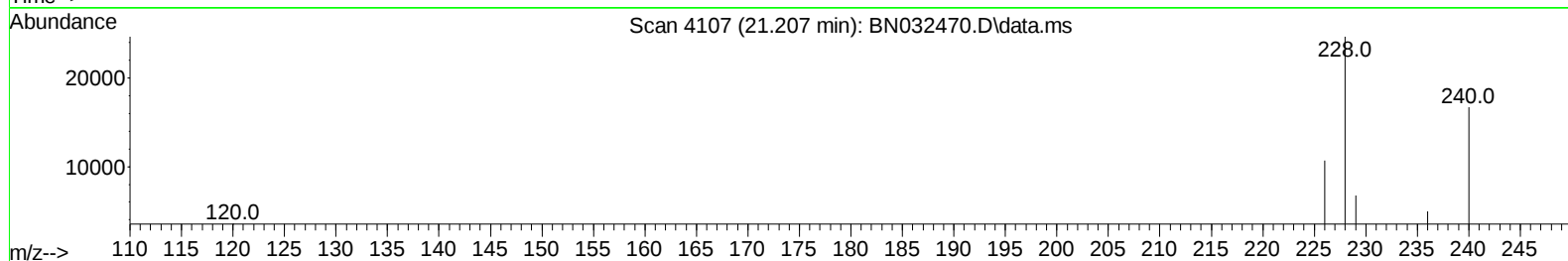
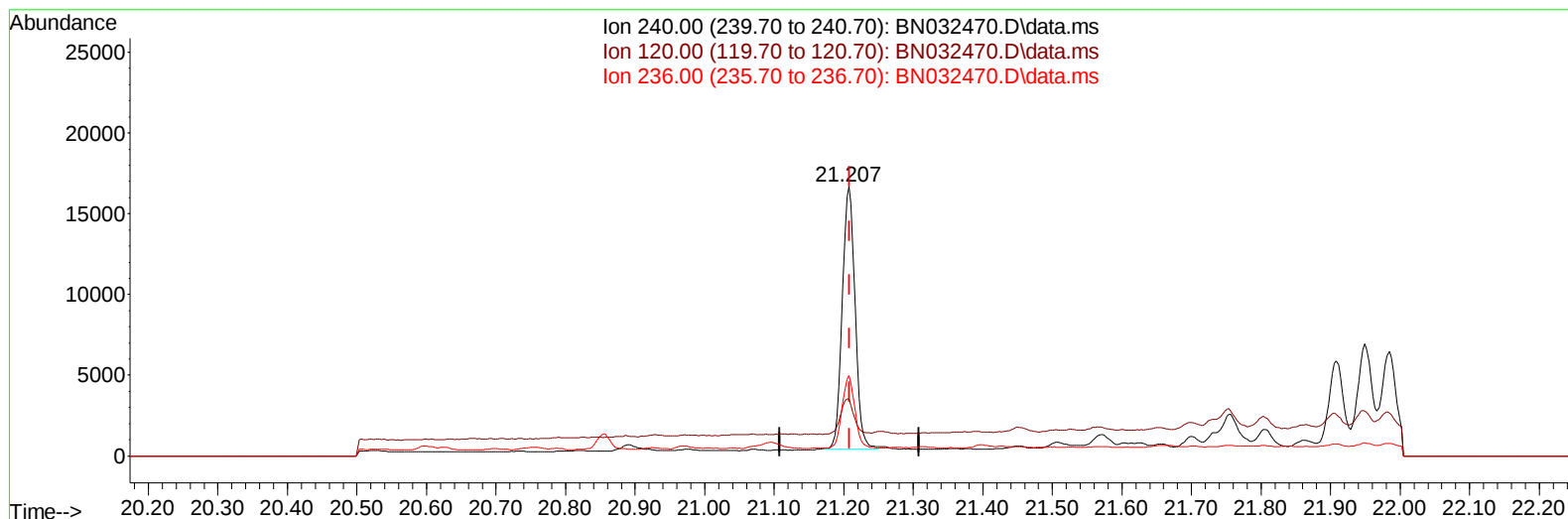
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

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

Quant Time: Jul 04 23:05:51 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



TIC: BN032470.D\data.ms

(17) Chrysene-d12

21.207min (-0.001) 0.40 ng/u1 m

response 20897

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	21.09#
236.00	28.40	29.88
0.00	0.00	0.00

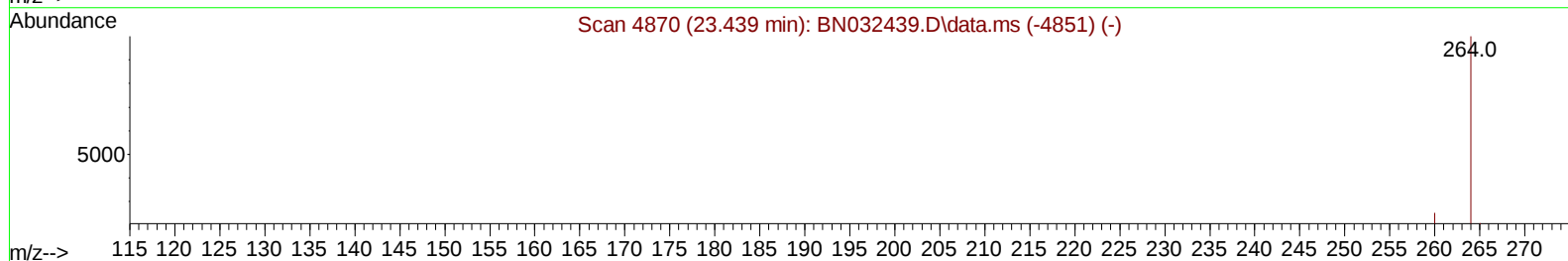
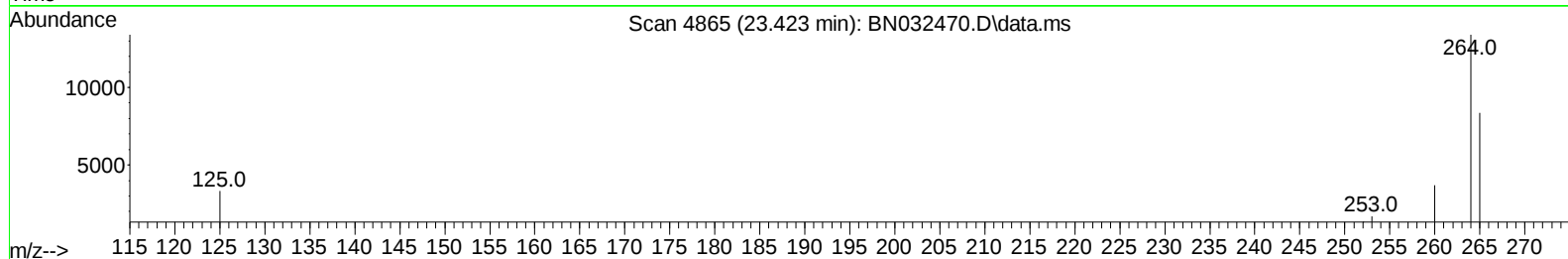
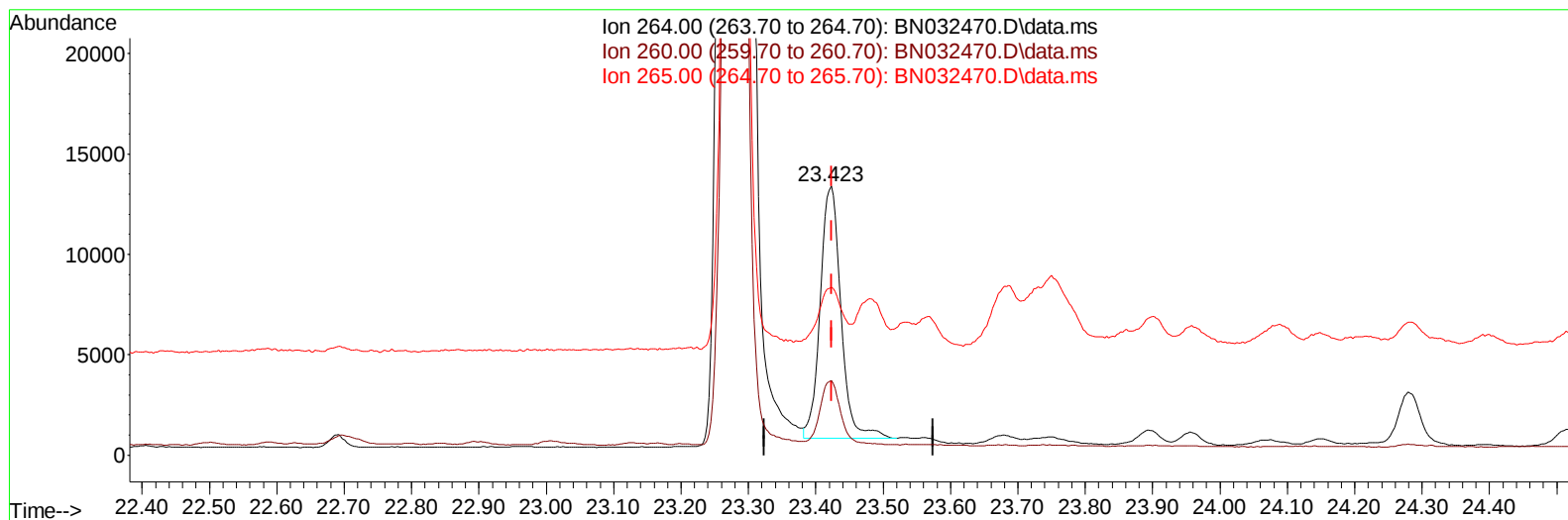
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(23) Perylene-d12 (I)

23.423min (-0.001) 0.40 ng/u1

response 26934

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.65
265.00	67.20	62.35
0.00	0.00	0.00

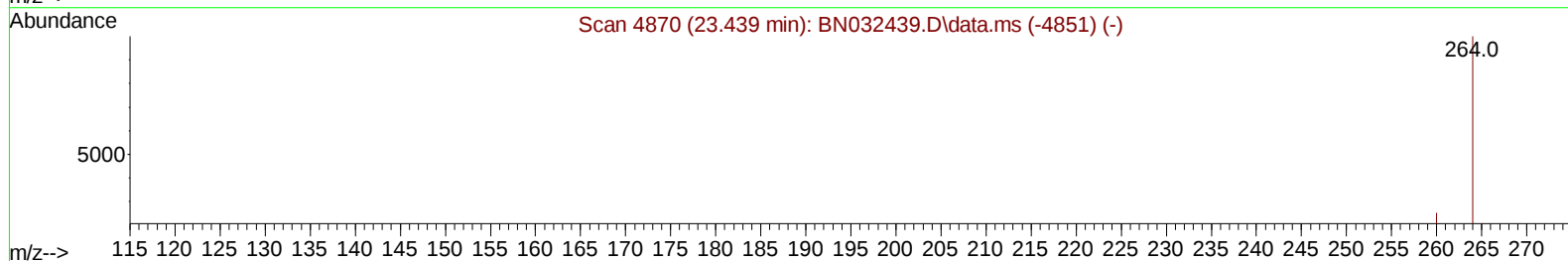
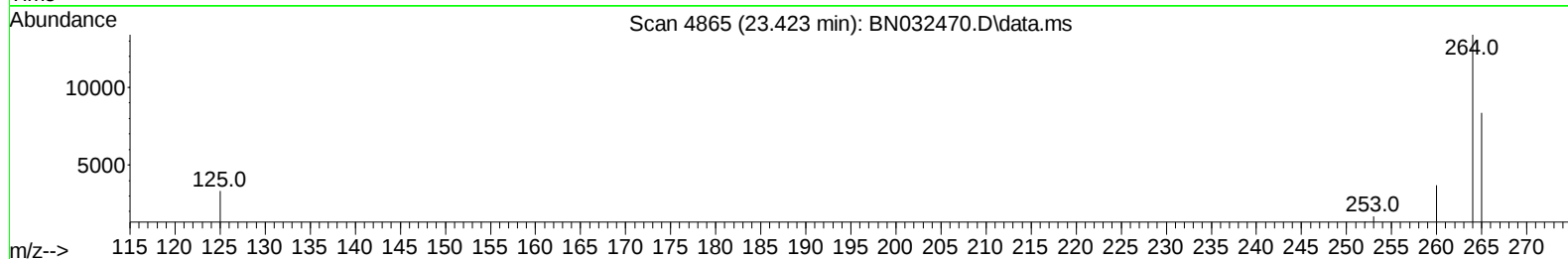
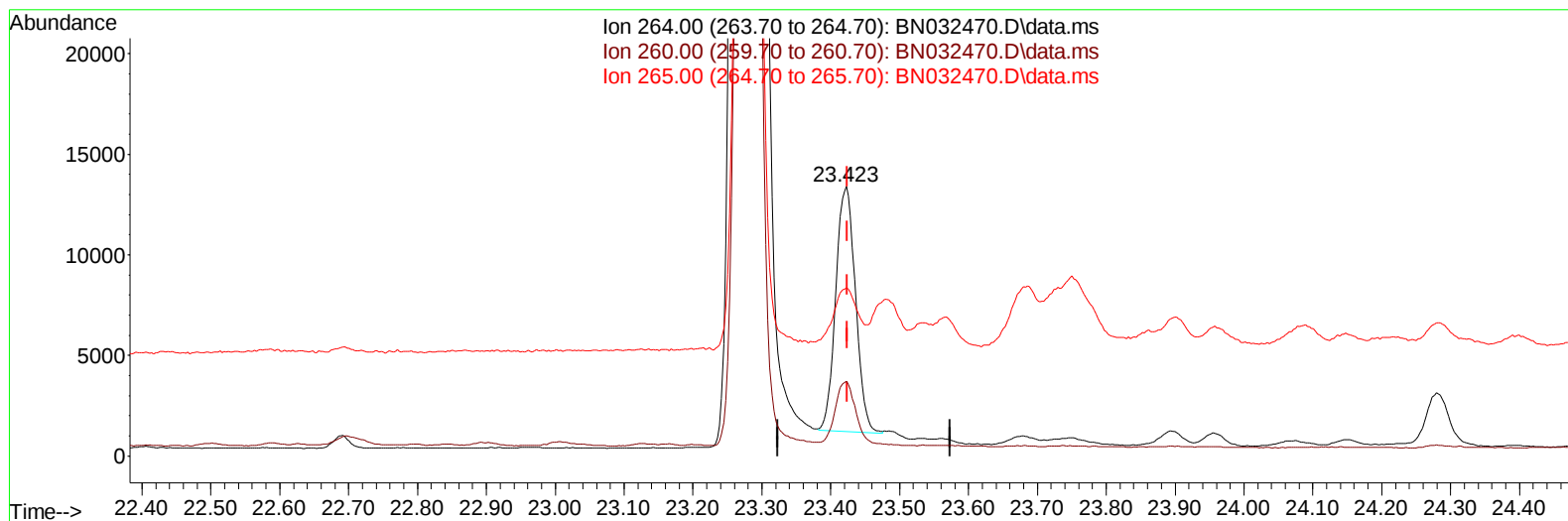
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(23) Perylene-d12 (I)

23.423min (-0.001) 0.40 ng/ul m

response 24185

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.65
265.00	67.20	62.35
0.00	0.00	0.00

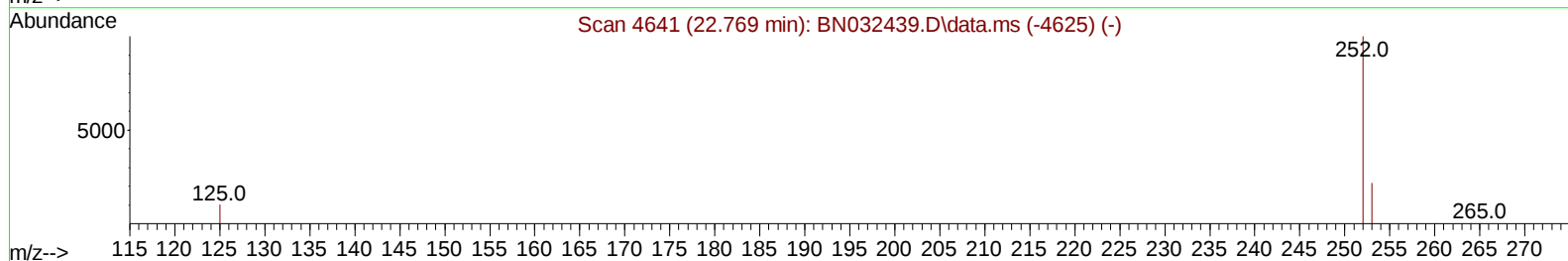
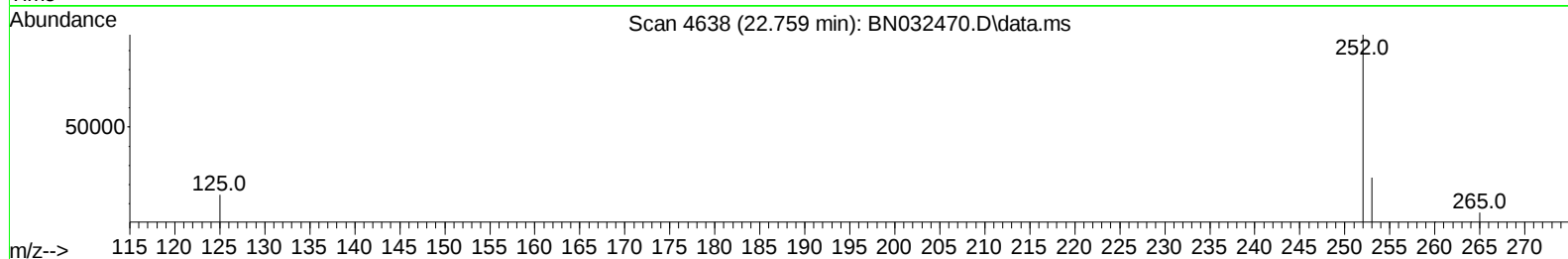
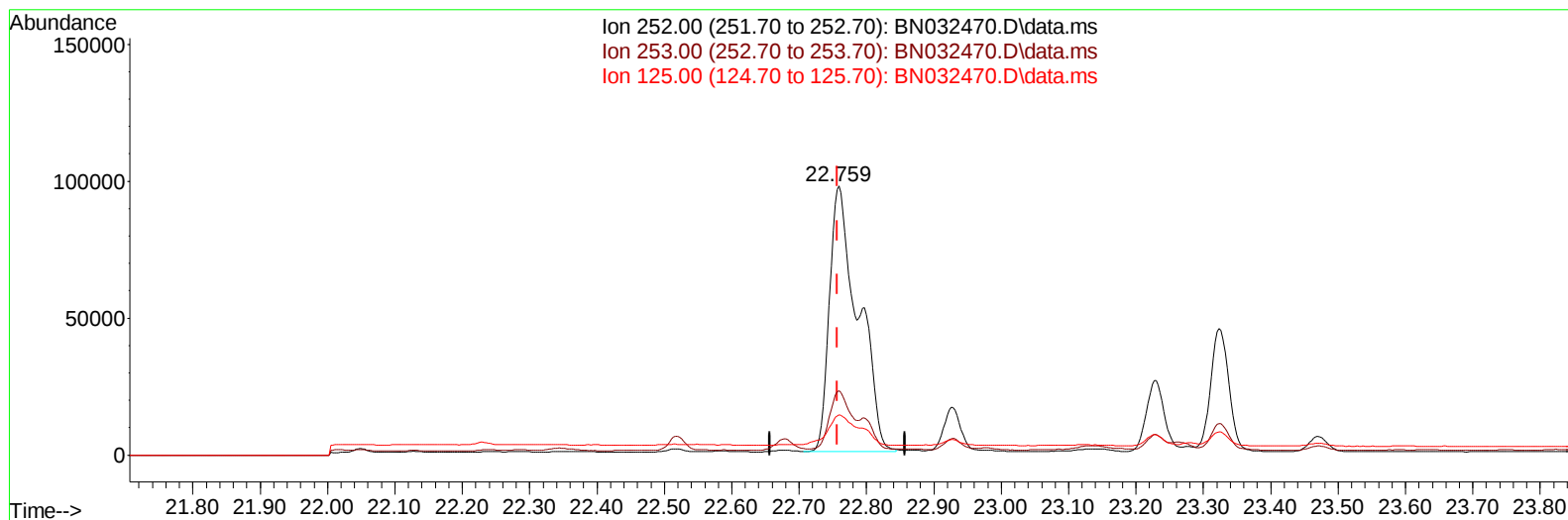
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

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



TIC: BN032470.D\data.ms

(24) Benzo(b)fluoranthene

22.759min (+ 0.002) 2.73 ng/u1

response 286473

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.98
125.00	16.00	14.88
0.00	0.00	0.00

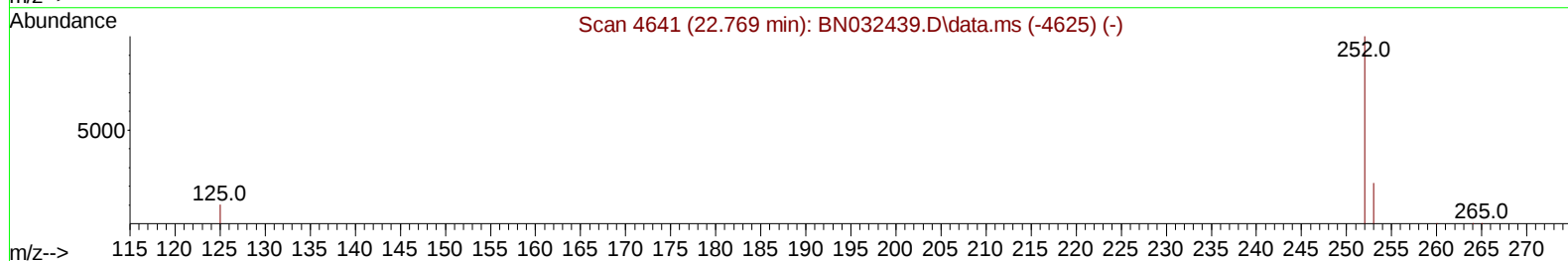
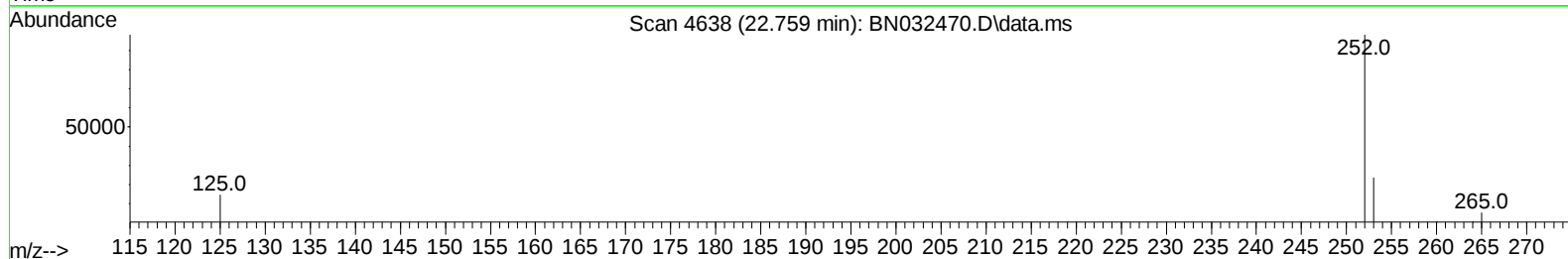
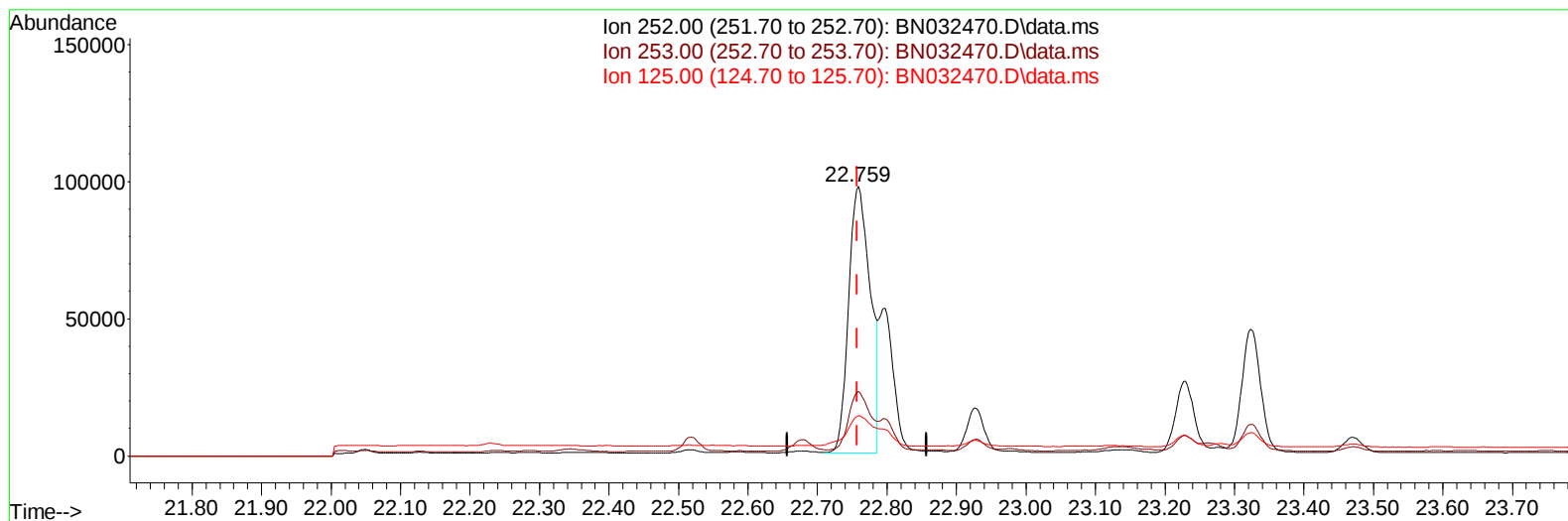
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032470.D
 Acq On : 04 Jul 2024 12:09
 Operator : MA/JU
 Sample : P2964-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CT6

Manual IntegrationsAPPROVED

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 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: BN032470.D\data.ms

(24) Benzo(b)fluoranthene

22.759min (+ 0.002) 2.00 ng/u1 m

response 210154

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	23.98
125.00	16.00	14.88
0.00	0.00	0.00

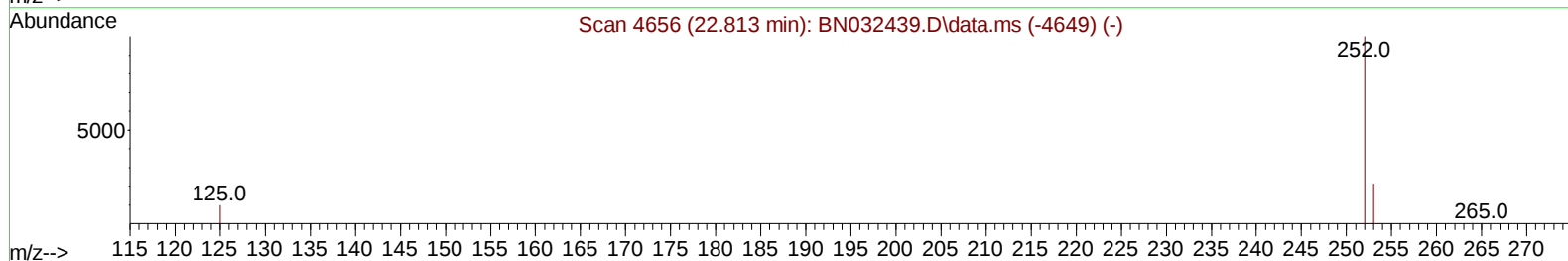
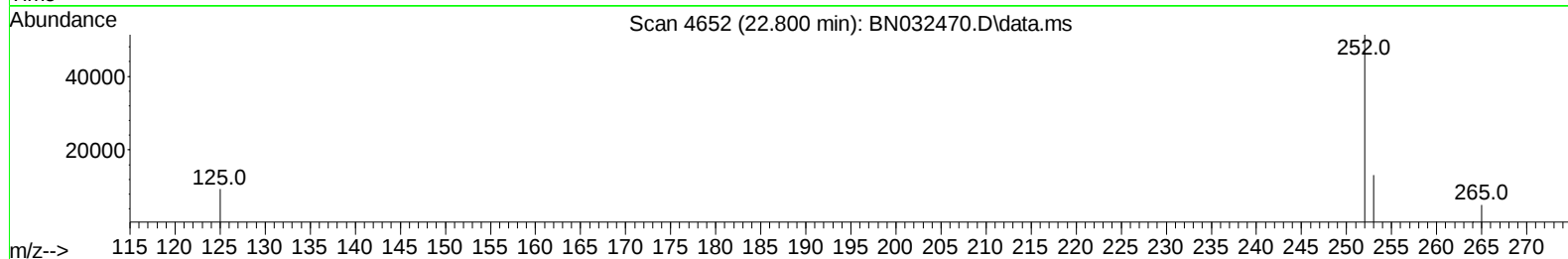
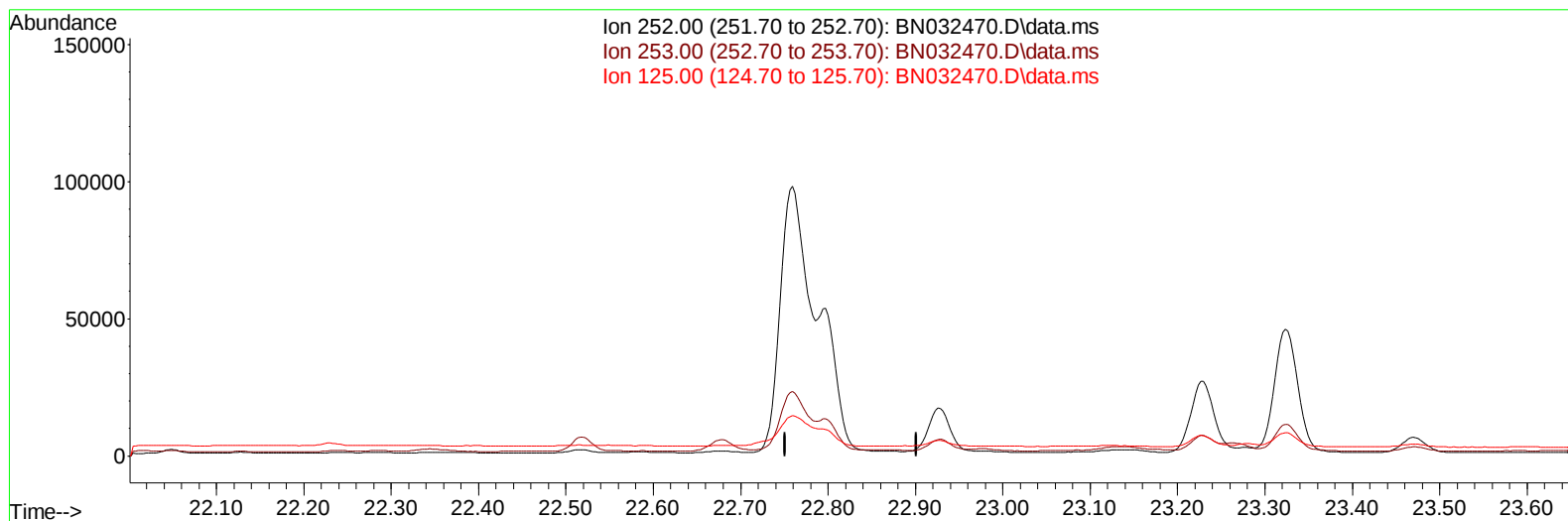
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.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

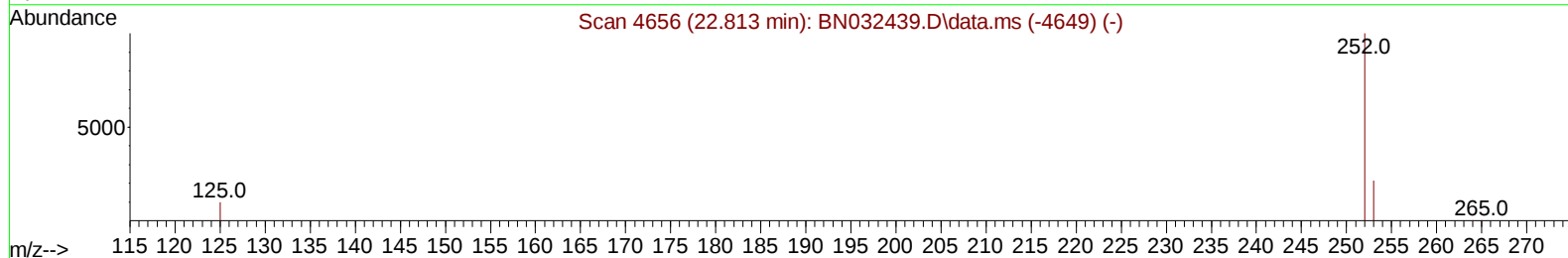
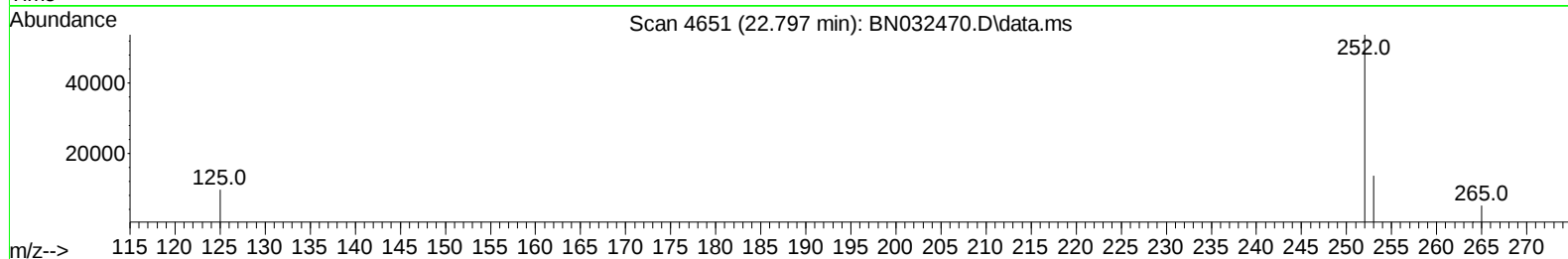
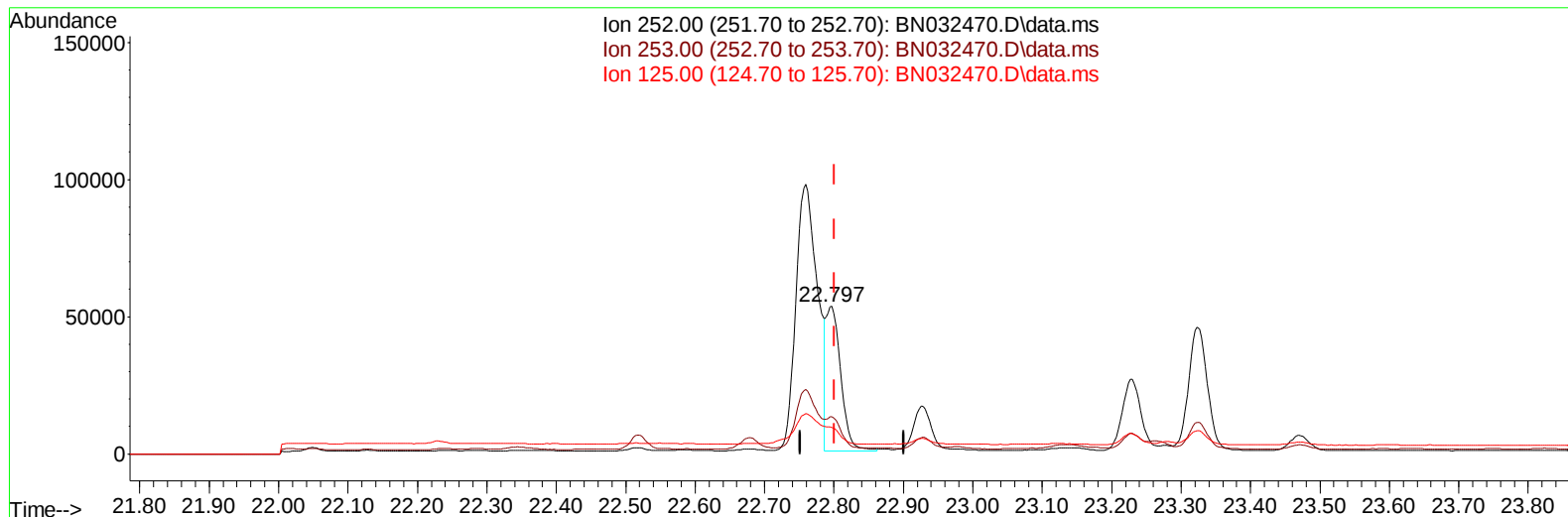
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032470.D
Acq On : 04 Jul 2024 12:09
Operator : MA/JU
Sample : P2964-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT6

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:05:51 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: BN032470.D\data.ms

(25) Benzo(k)fluoranthene

22.797min (-0.004) 0.77 ng/u1 m

response 78795

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	25.25
125.00	16.00	18.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032470.D
 Acq On : 04 Jul 2024 12:09
 Operator : MA/JU
 Sample : P2964-17
 Misc :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	9536	0.400	ng/ul	0.00
4) Naphthalene-d8	10.370	136	29603	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.243	164	16815	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.002	188	33080m	0.400	ng/ul	0.00
17) Chrysene-d12	21.207	240	20897m	0.400	ng/ul	0.00
23) Perylene-d12	23.423	264	24185m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	28856	2.722	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.970	152	8144	0.183	ng/ul	0.00
18) Fluoranthene-d10	19.040	212	15291	0.243	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.419	128	11876	0.152	ng/ul	98
7) 2-Methylnaphthalene	12.047	142	4406	0.085	ng/ul	98
8) 1-Methylnaphthalene	12.267	142	3266	0.061	ng/ul	98
10) Acenaphthylene	13.965	152	9534	0.136	ng/ul	96
11) Acenaphthene	14.307	153	15389	0.284	ng/ul	99
12) Fluorene	15.302	166	19276	0.298	ng/ul	99
15) Phenanthrene	17.040	178	271506m	2.994	ng/ul	
16) Anthracene	17.133	178	49588m	0.613	ng/ul	
19) Fluoranthene	19.067	202	371301	4.666	ng/ul	98
20) Pyrene	19.435	202	249853	3.005	ng/ul	99
21) Benzo(a)anthracene	21.190	228	152895	2.027	ng/ul	98
22) Chrysene	21.242	228	155639	1.880	ng/ul	96
24) Benzo(b)fluoranthene	22.759	252	210154m	2.000	ng/ul	
25) Benzo(k)fluoranthene	22.797	252	78795m	0.772	ng/ul	
26) Benzo(a)pyrene	23.323	252	85121	1.164	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.652	276	78486	0.686	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.652	278	27276	0.321	ng/ul#	86
29) Benzo(g,h,i)perylene	26.339	276	12795	0.140	ng/ul#	76

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

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