

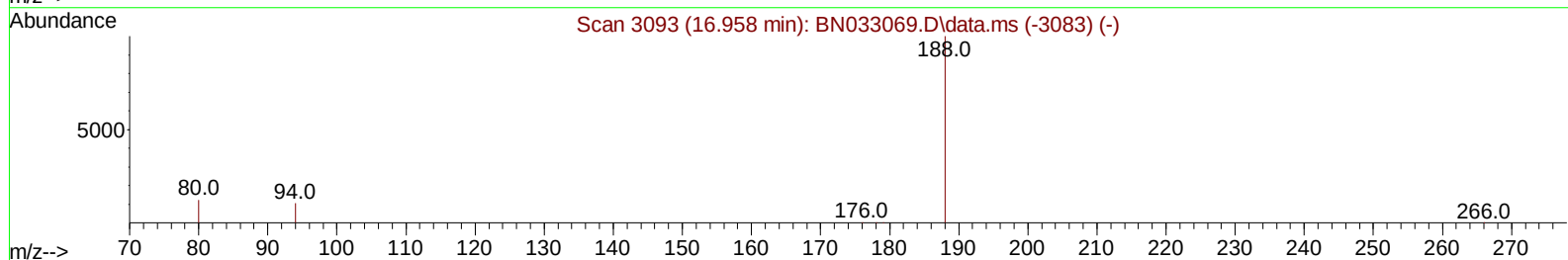
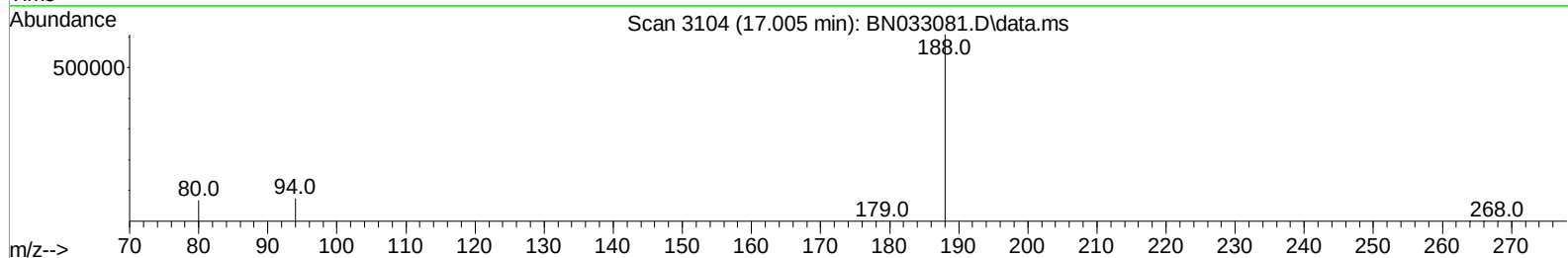
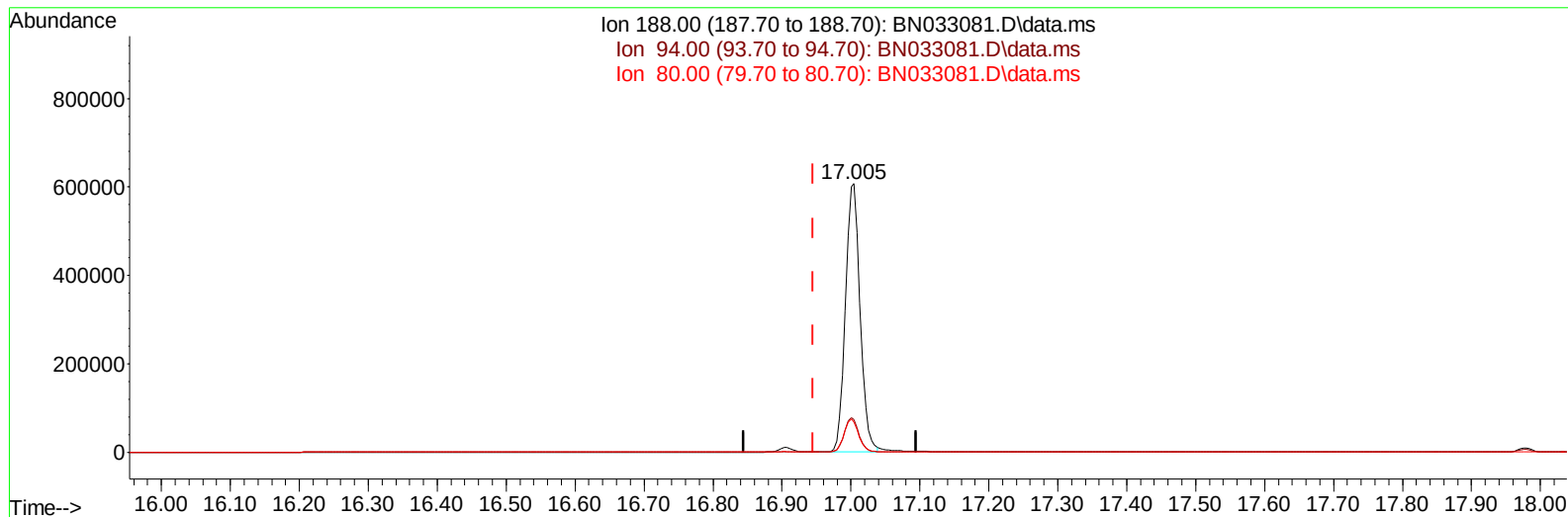
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(13) Phenanthrene-d10 (I)

17.005min (+ 0.059) 0.40 ng/u1

response 894728

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.10
80.00	13.10	11.29
0.00	0.00	0.00

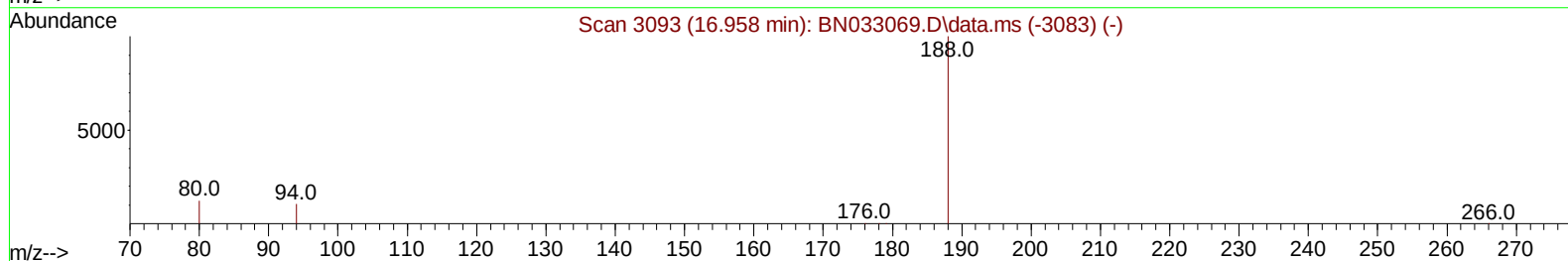
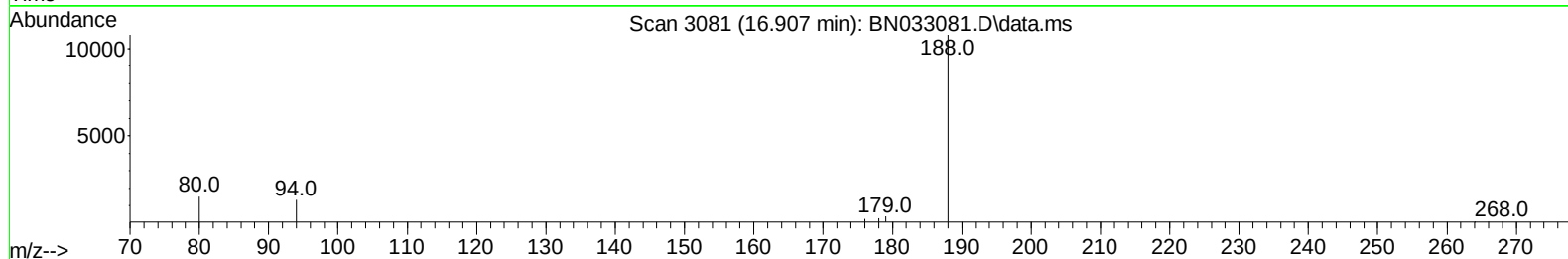
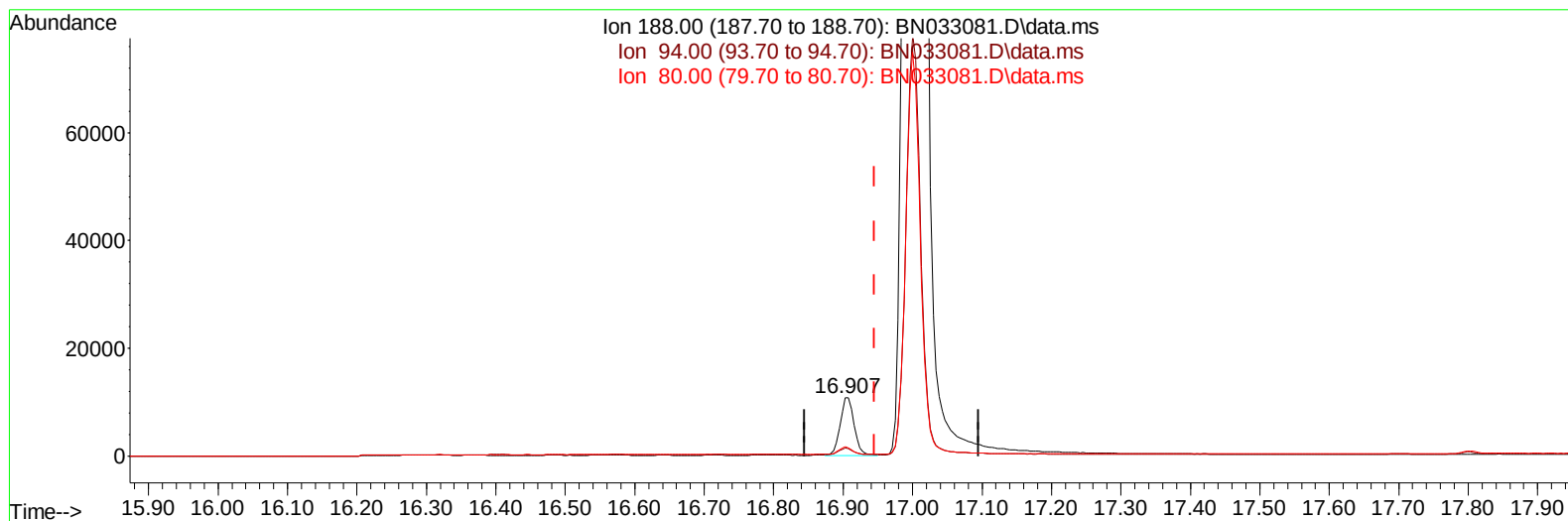
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(13) Phenanthrene-d10 (I)

16.907min (-0.038) 0.40 ng/ul m

response 15025

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.28
80.00	13.10	14.10
0.00	0.00	0.00

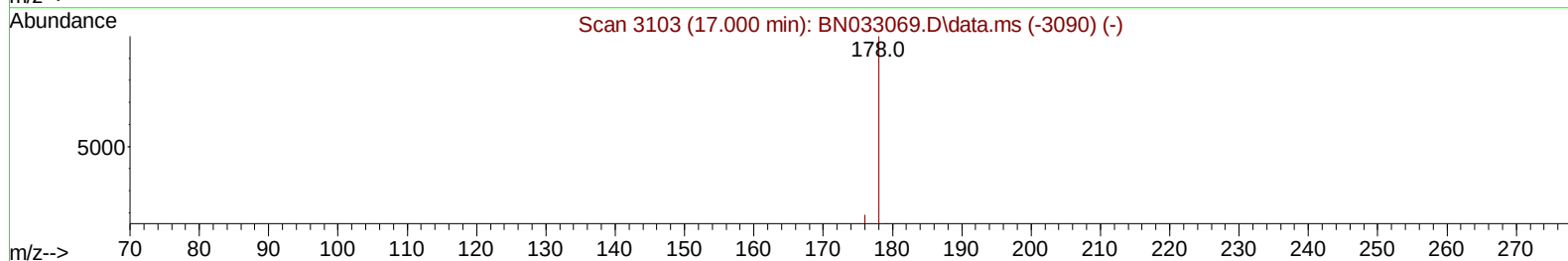
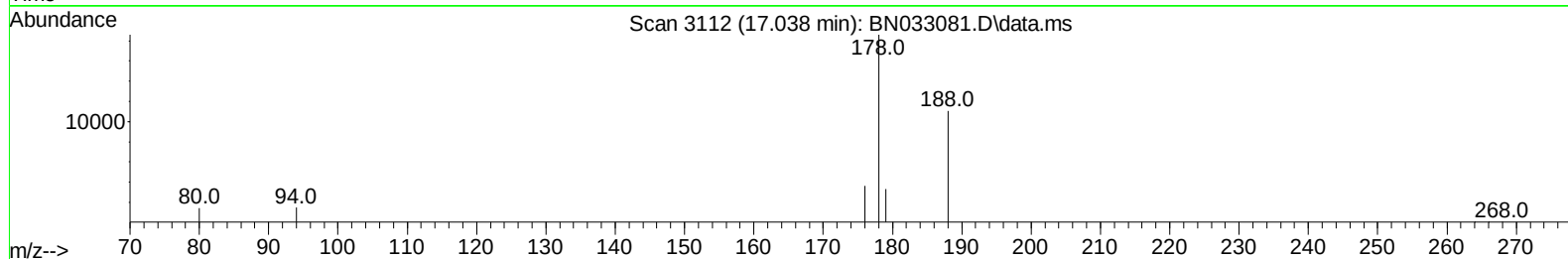
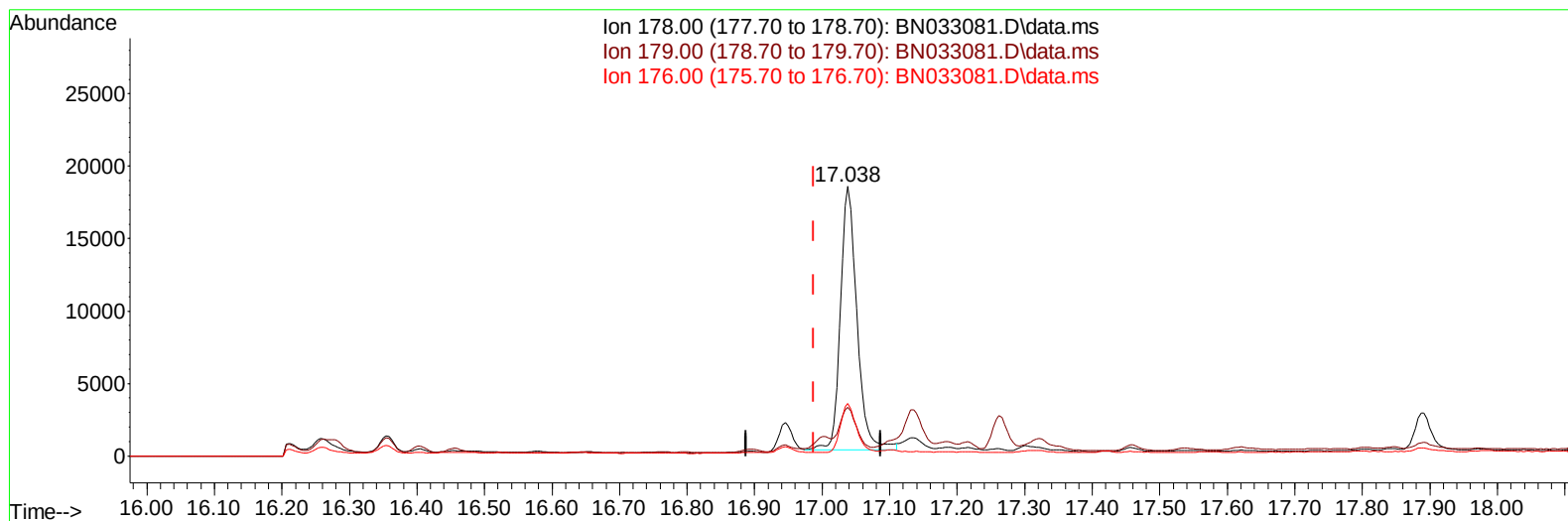
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(15) Phenanthrene

17.038min (+ 0.051) 0.78 ng/u1

response 31267

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	18.03
176.00	19.90	19.42
0.00	0.00	0.00

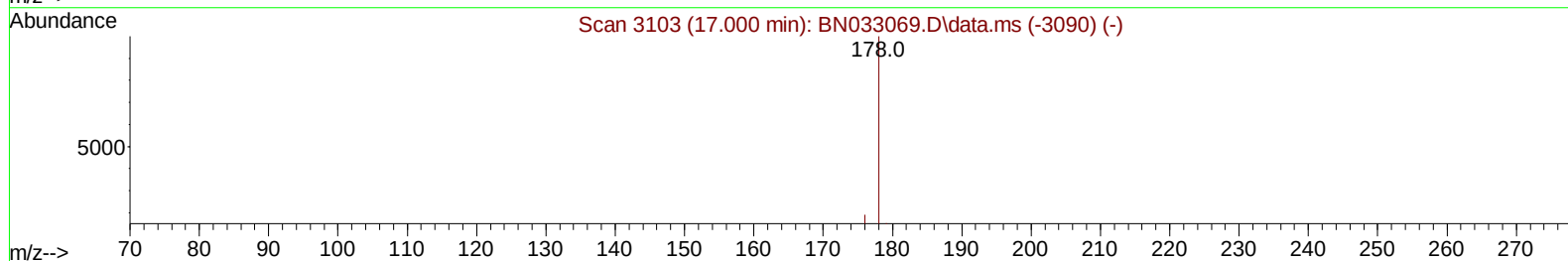
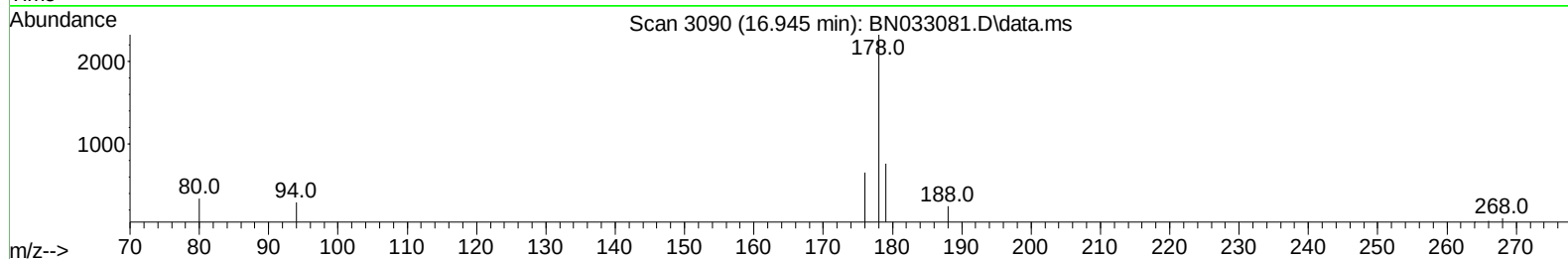
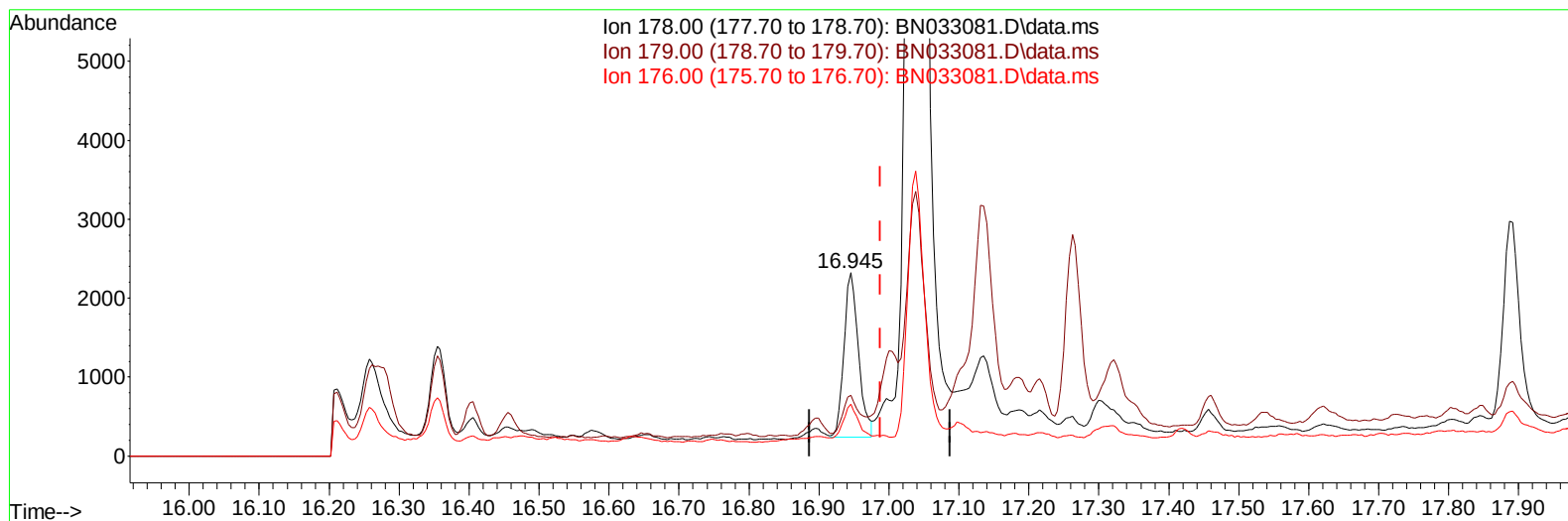
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(15) Phenanthrene

16.945min (-0.042) 0.08 ng/ul m

response 3032

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	33.00#
176.00	19.90	28.31#
0.00	0.00	0.00

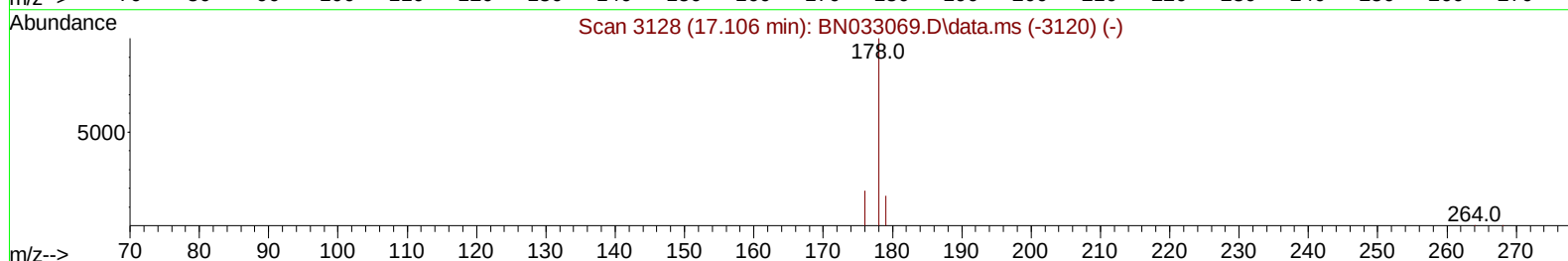
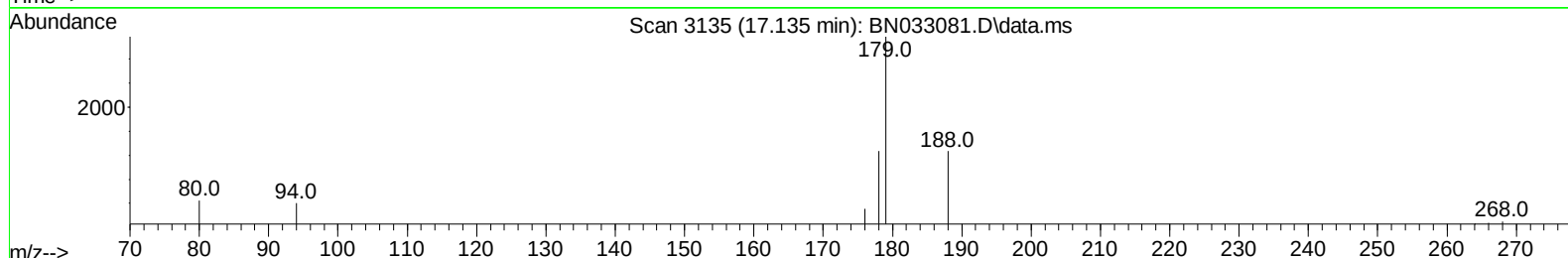
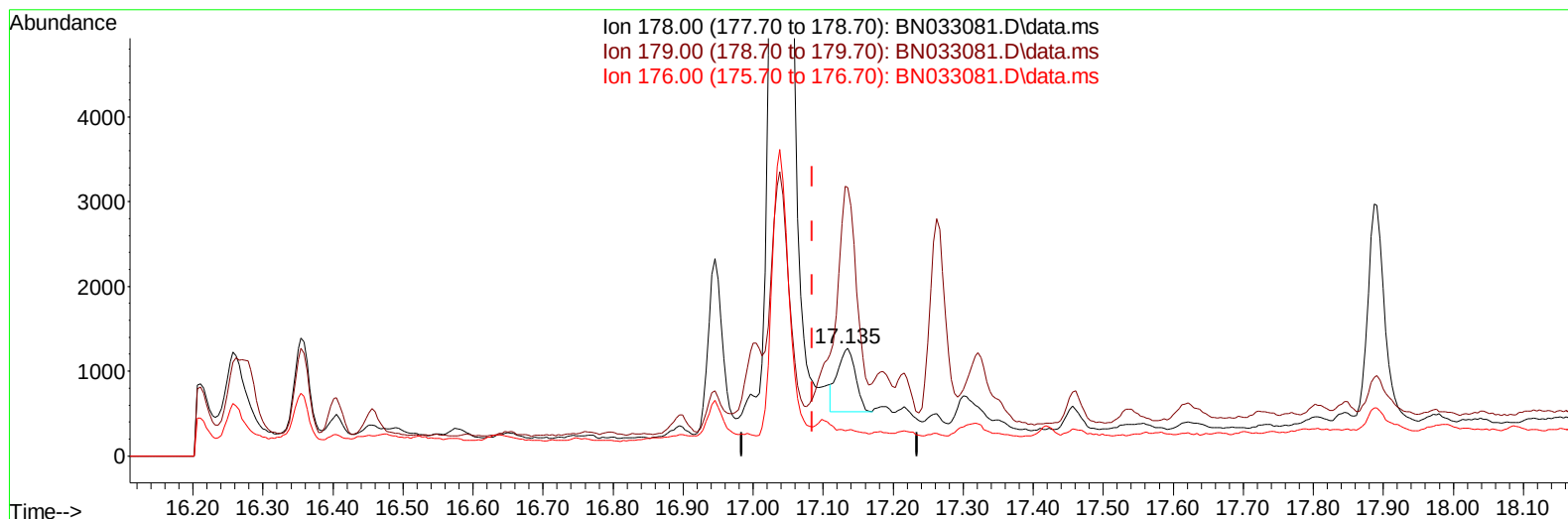
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(16) Anthracene

17.135min (+ 0.051) 0.04 ng/u1

response 1336

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	249.96#
176.00	19.80	24.15#
0.00	0.00	0.00

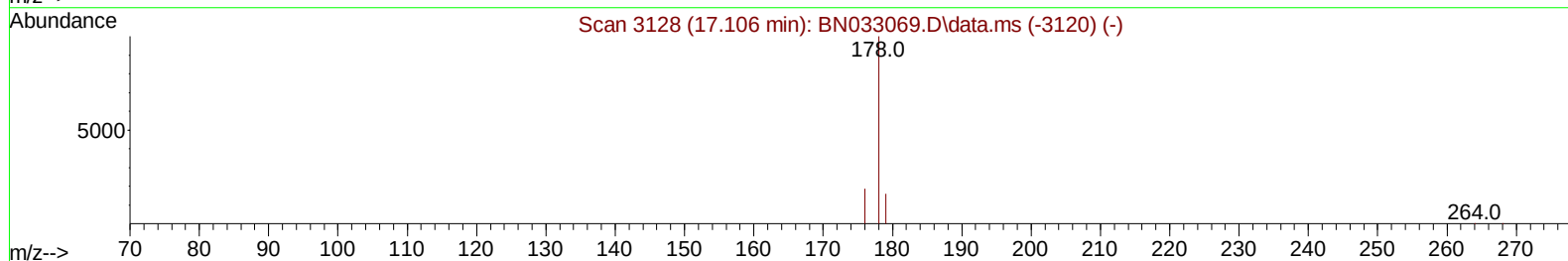
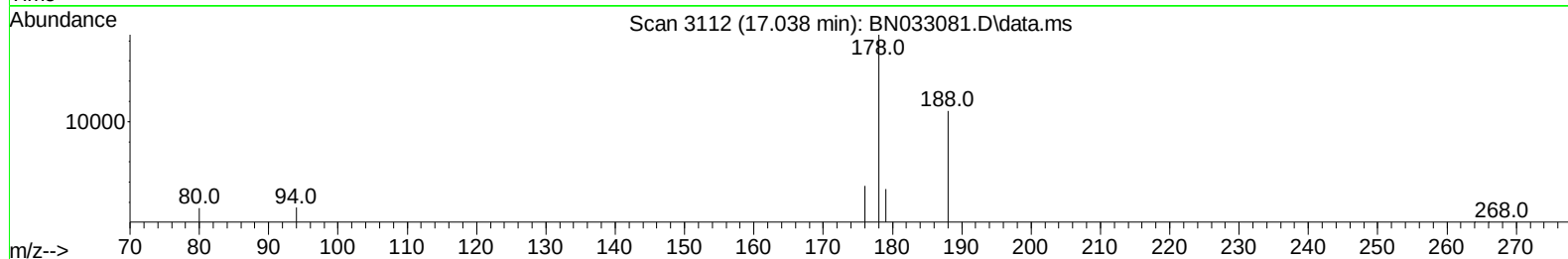
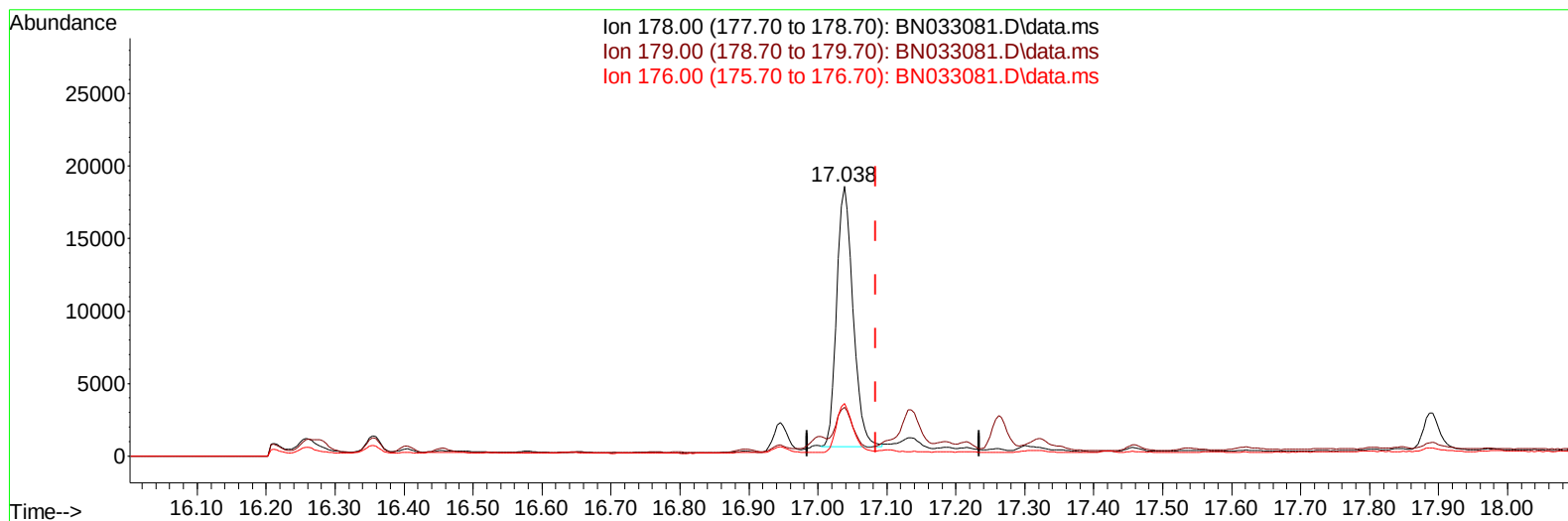
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(16) Anthracene

17.038min (-0.046) 0.81 ng/ul m

response 29348

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	18.03
176.00	19.80	19.42
0.00	0.00	0.00

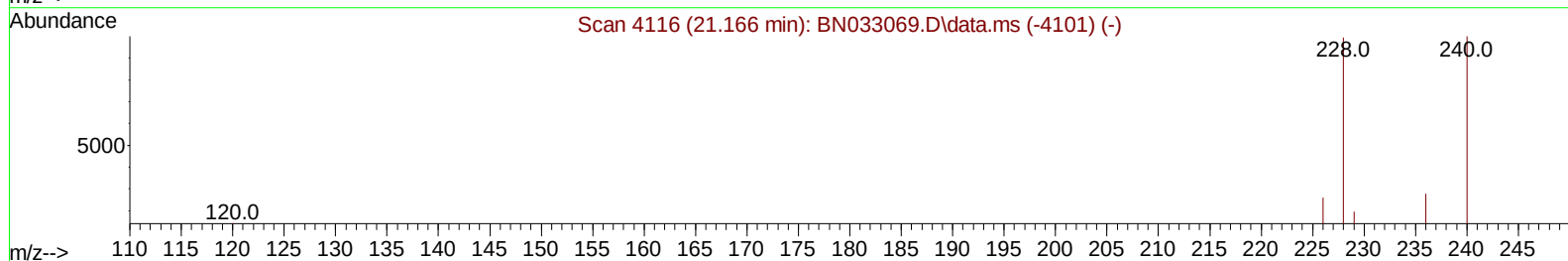
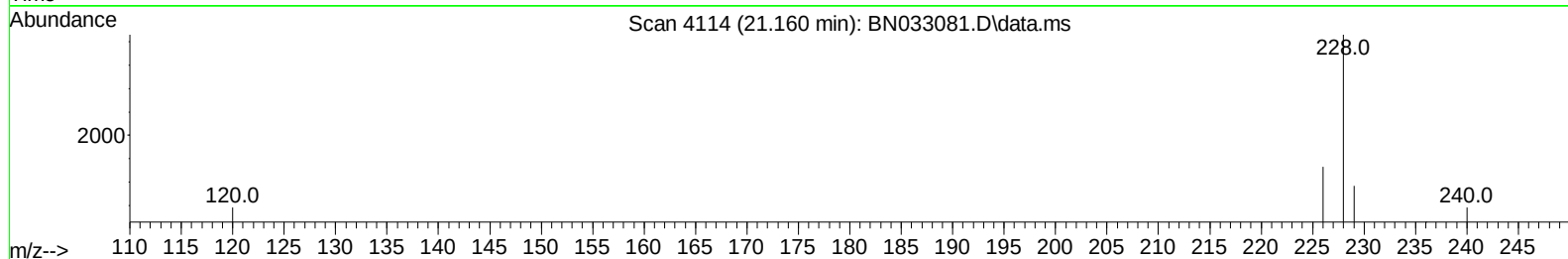
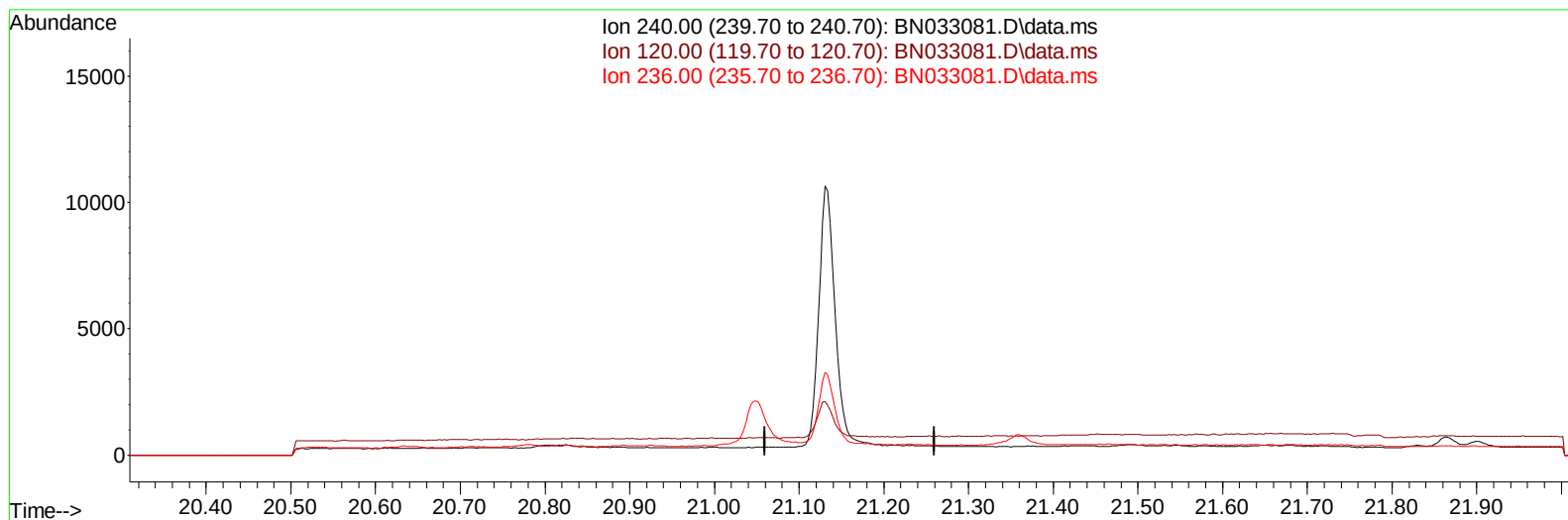
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(17) Chrysene-d12

21.160min (-21.160) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	21.40	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

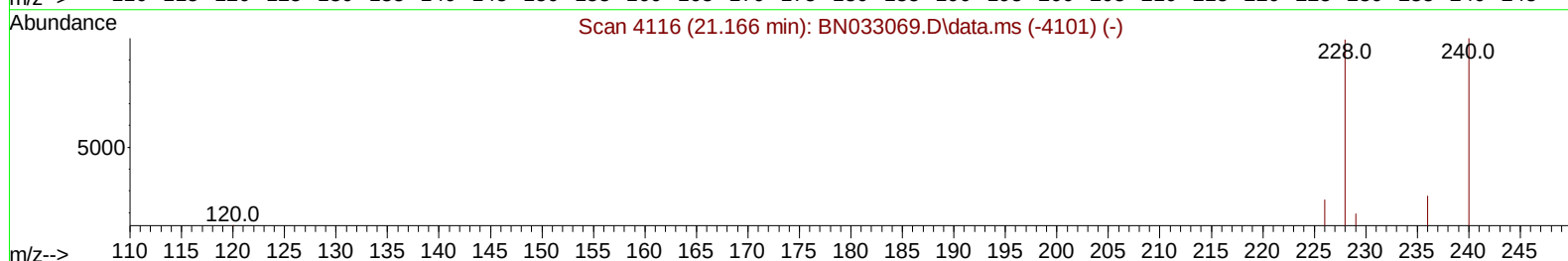
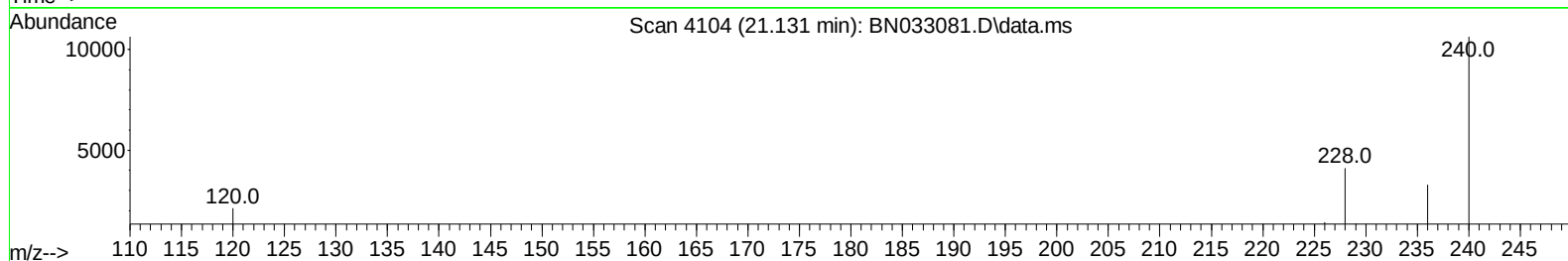
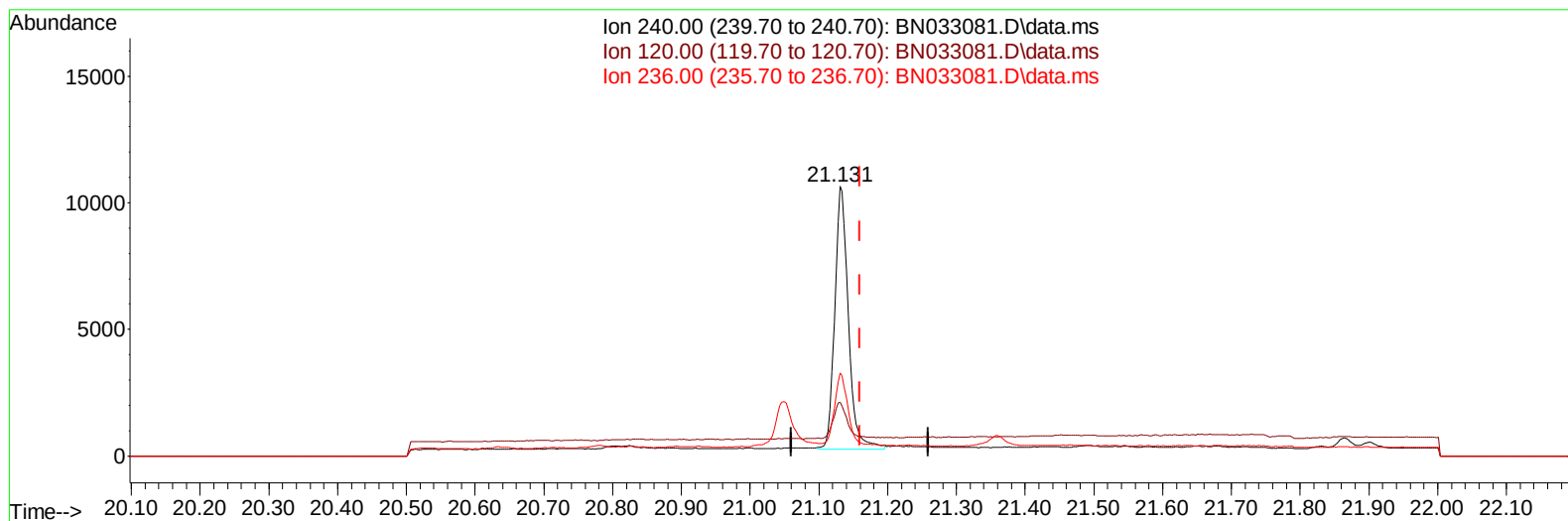
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(17) Chrysene-d12

21.131min (-0.029) 0.40 ng/ul m

response 14214

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	19.96
236.00	29.50	30.88
0.00	0.00	0.00

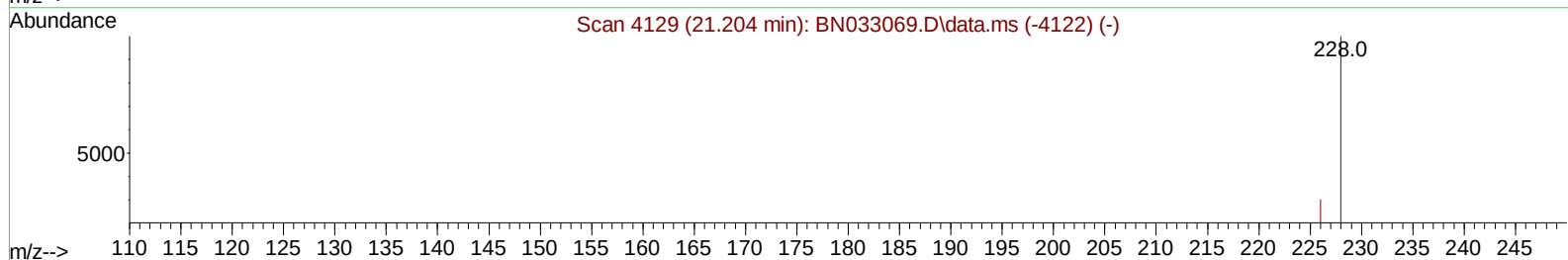
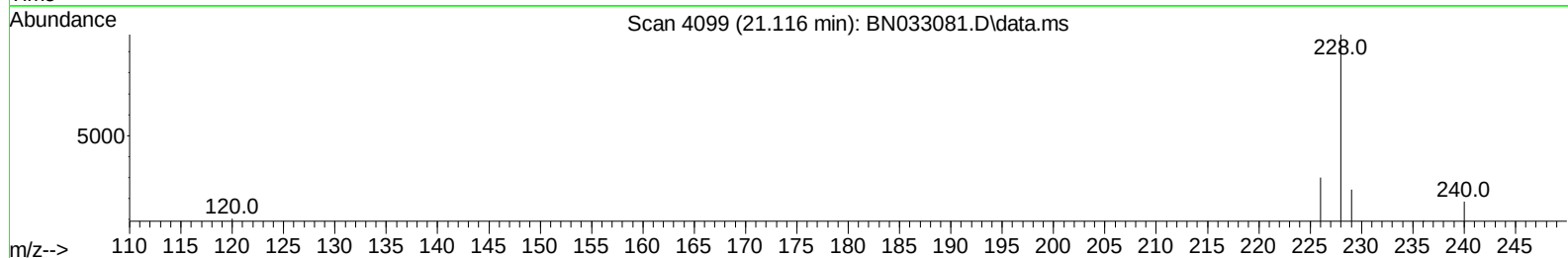
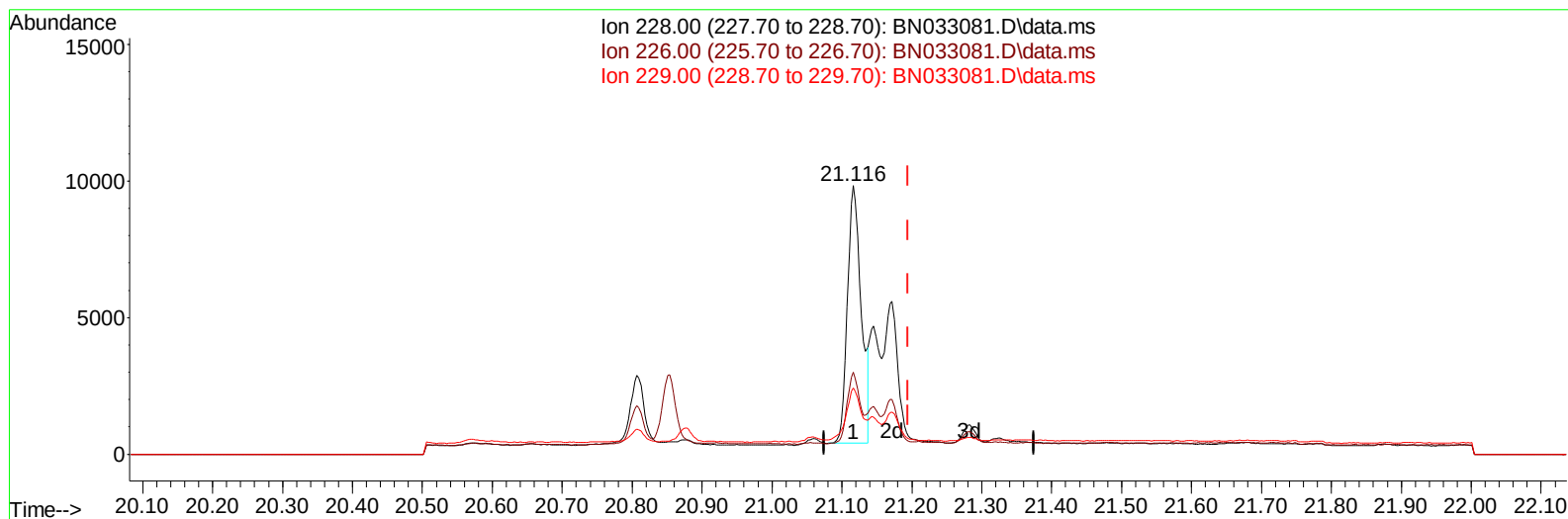
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(22) Chrysene

21.116min (-0.079) 0.23 ng/u1

response 12894

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	30.46
229.00	21.30	24.61
0.00	0.00	0.00

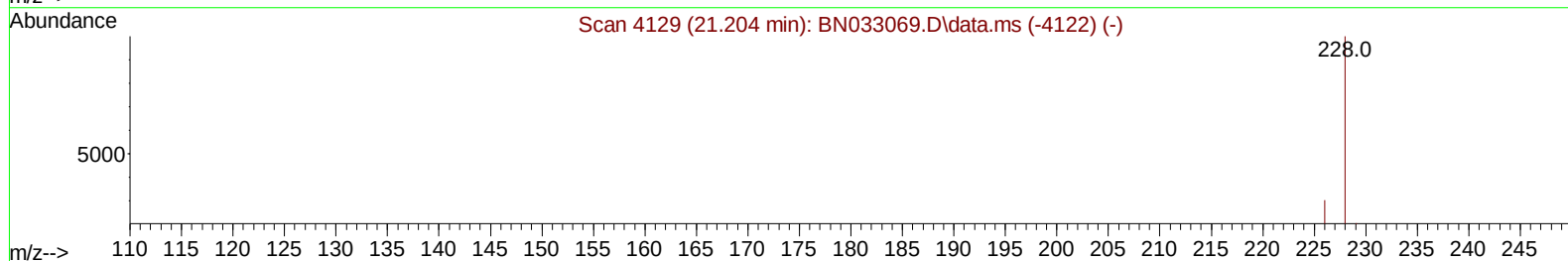
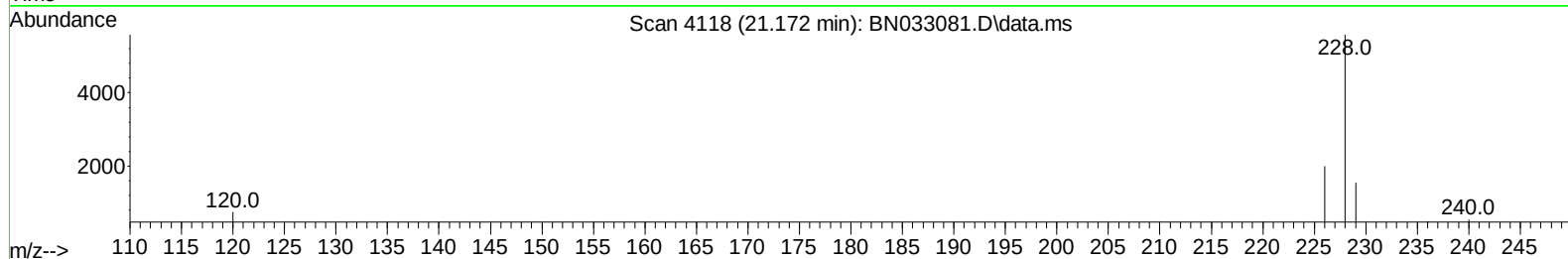
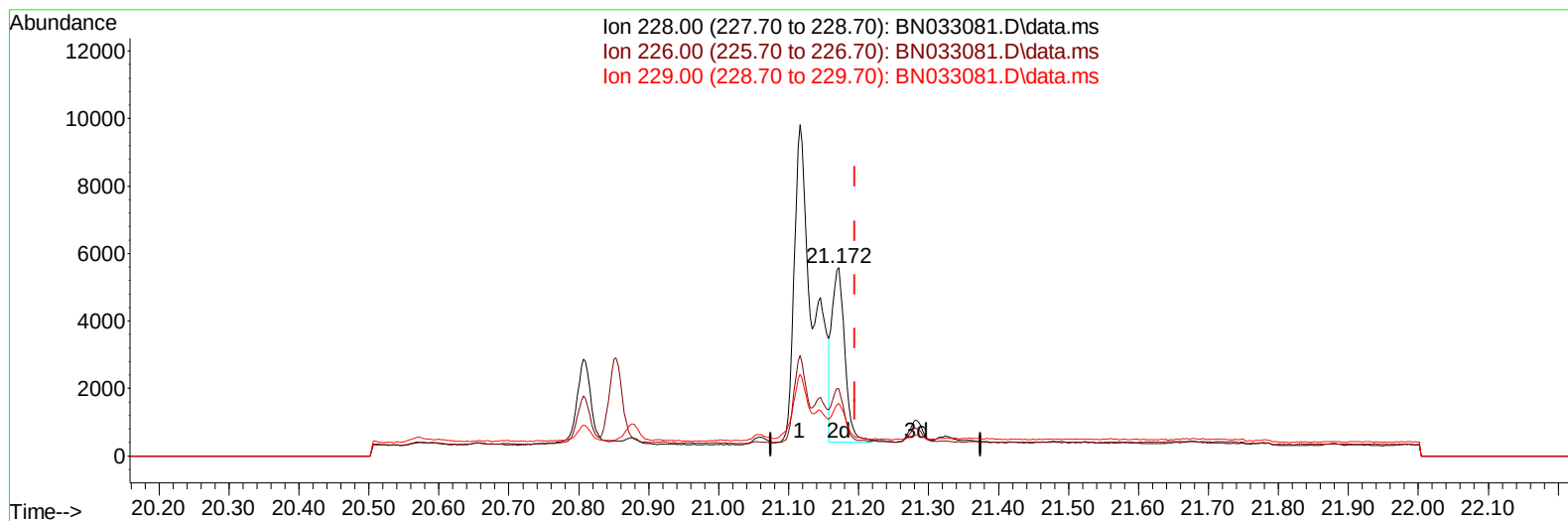
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(22) Chrysene

21.172min (-0.023) 0.12 ng/ul m

response 6634

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	35.73
229.00	21.30	27.78#
0.00	0.00	0.00

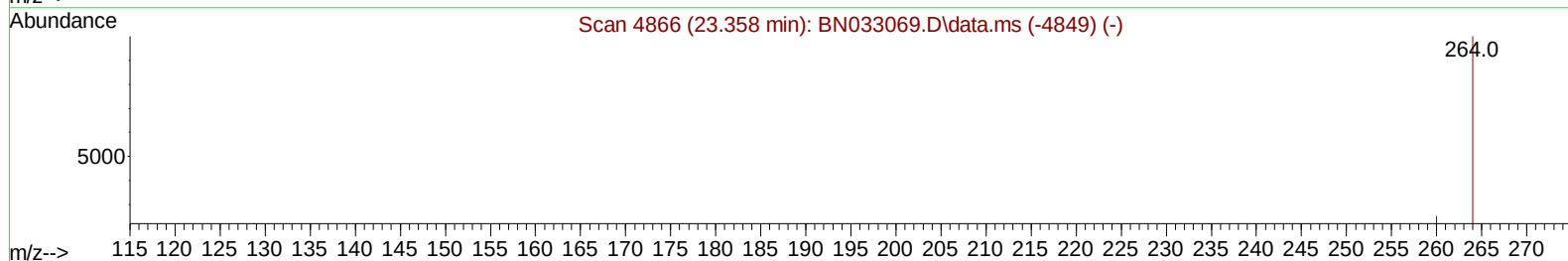
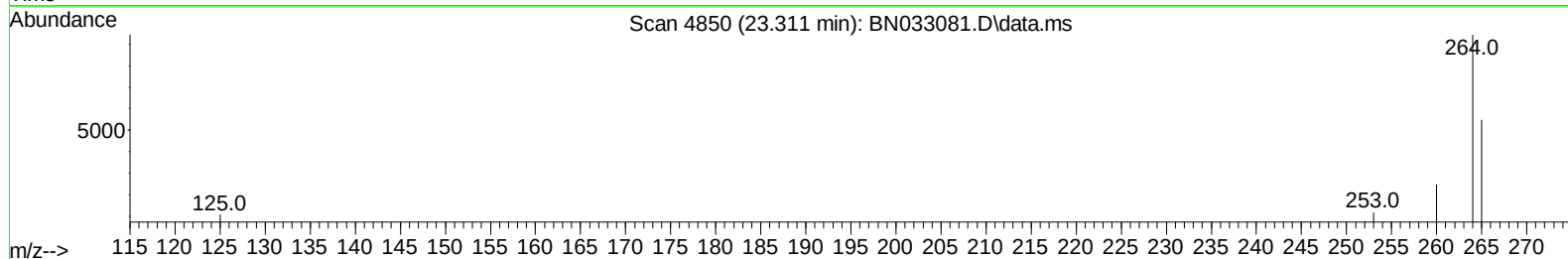
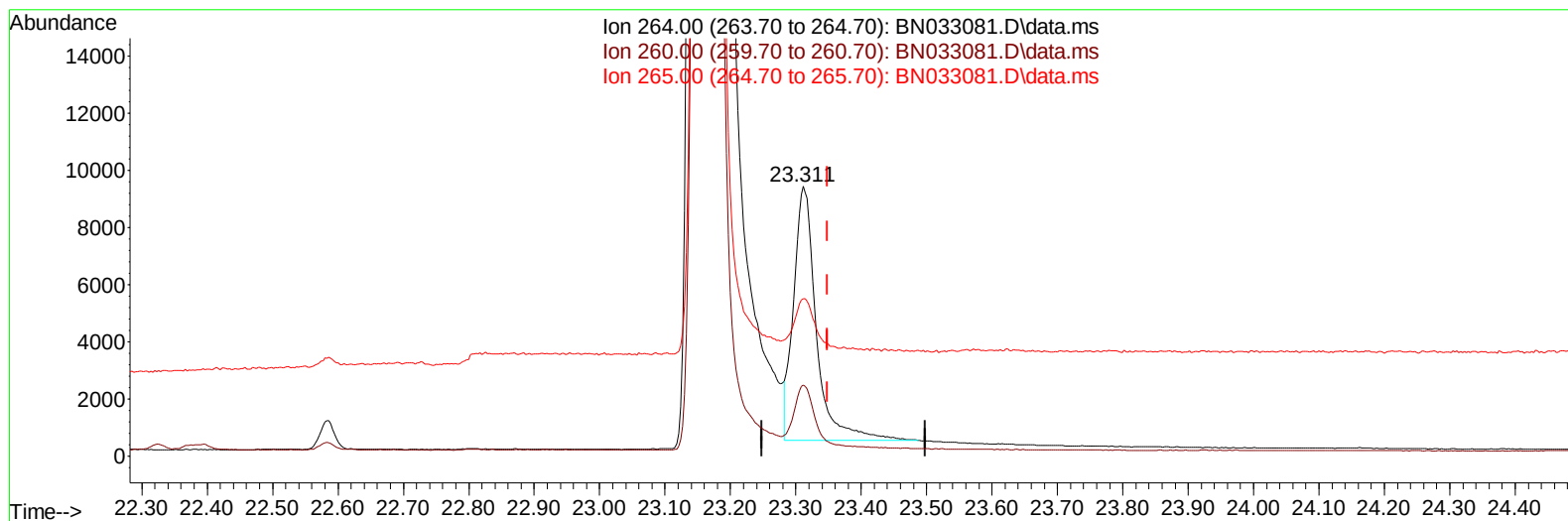
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/u1

response 21514

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.26
265.00	80.60	58.28#
0.00	0.00	0.00

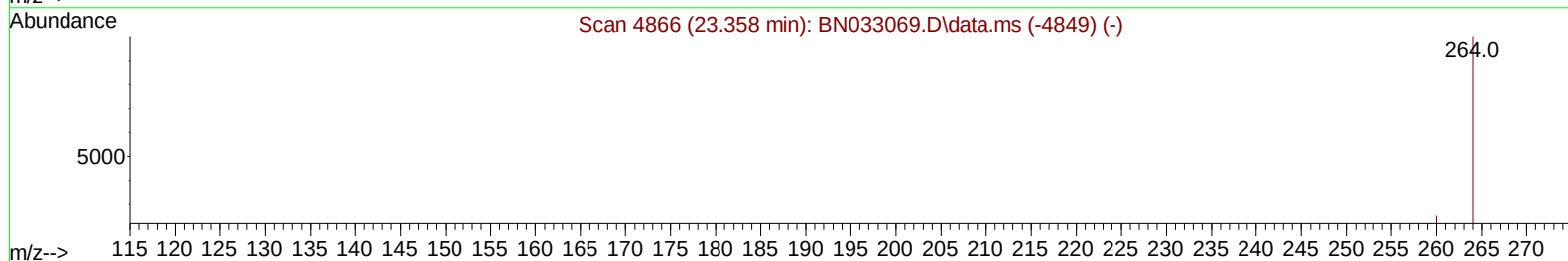
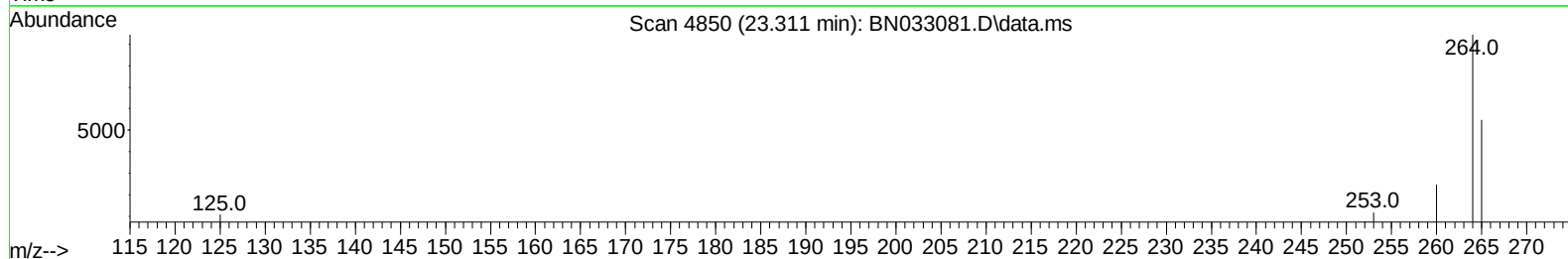
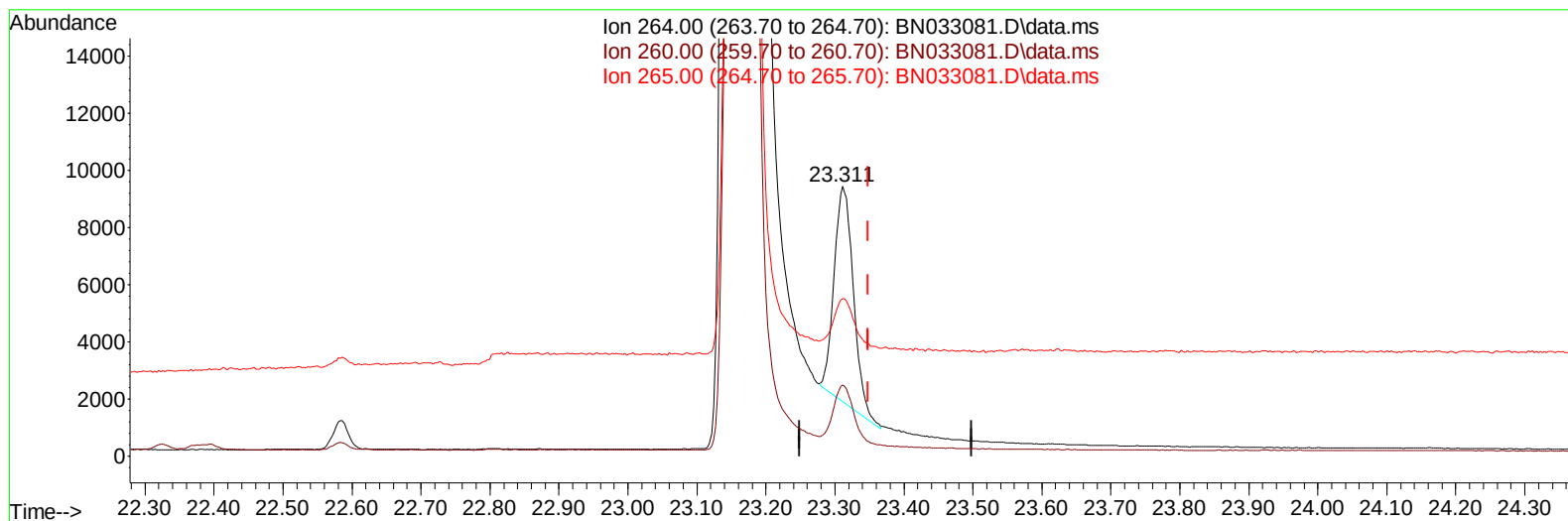
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(23) Perylene-d12 (I)

23.311min (-0.038) 0.40 ng/ul m

response 14516

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	26.26
265.00	80.60	58.28#
0.00	0.00	0.00

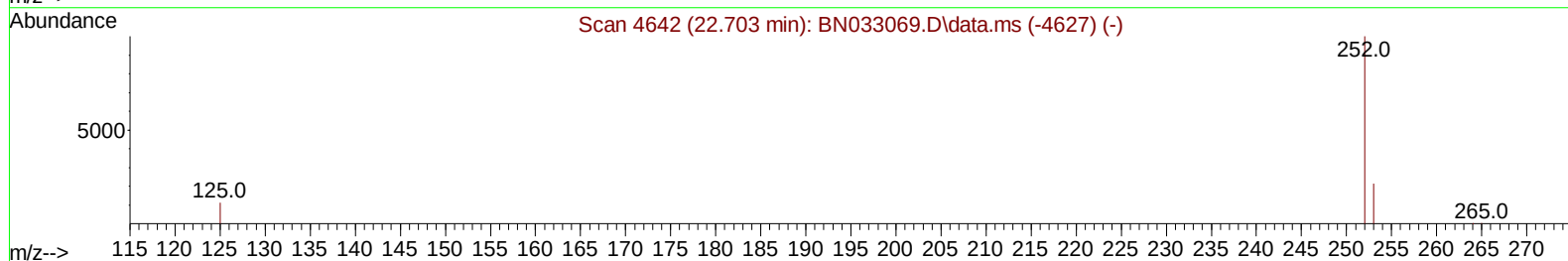
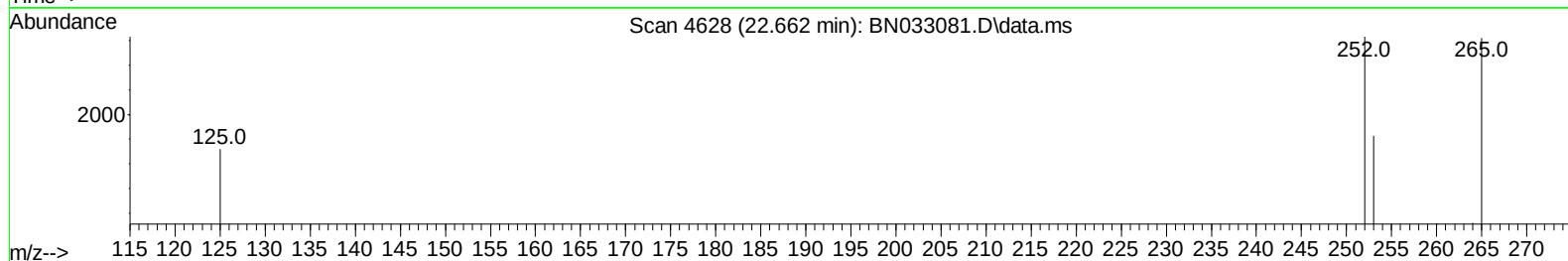
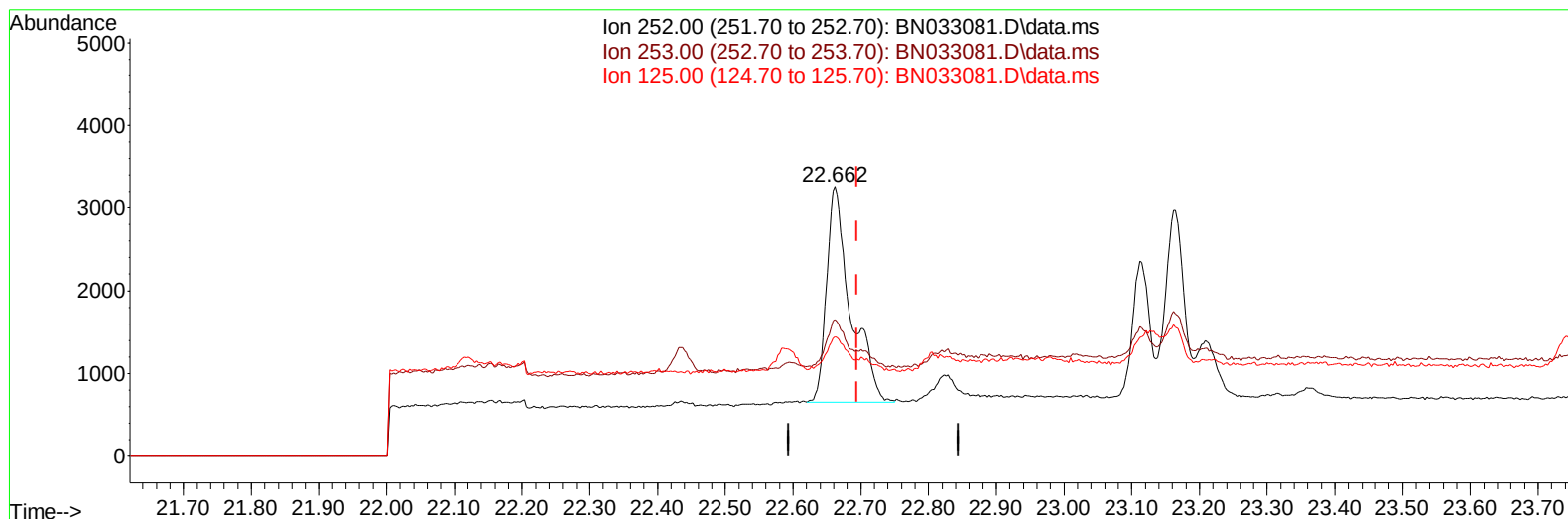
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.032) 0.15 ng/u1

response 6469

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	50.61
125.00	25.50	44.21
0.00	0.00	0.00

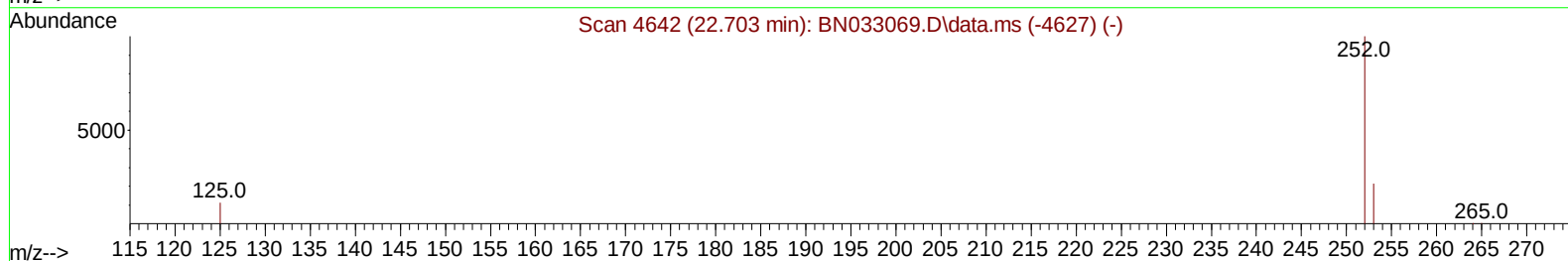
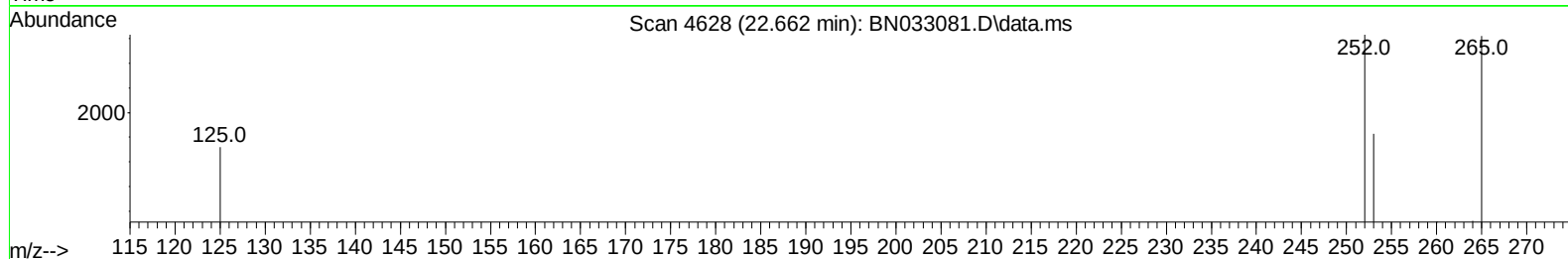
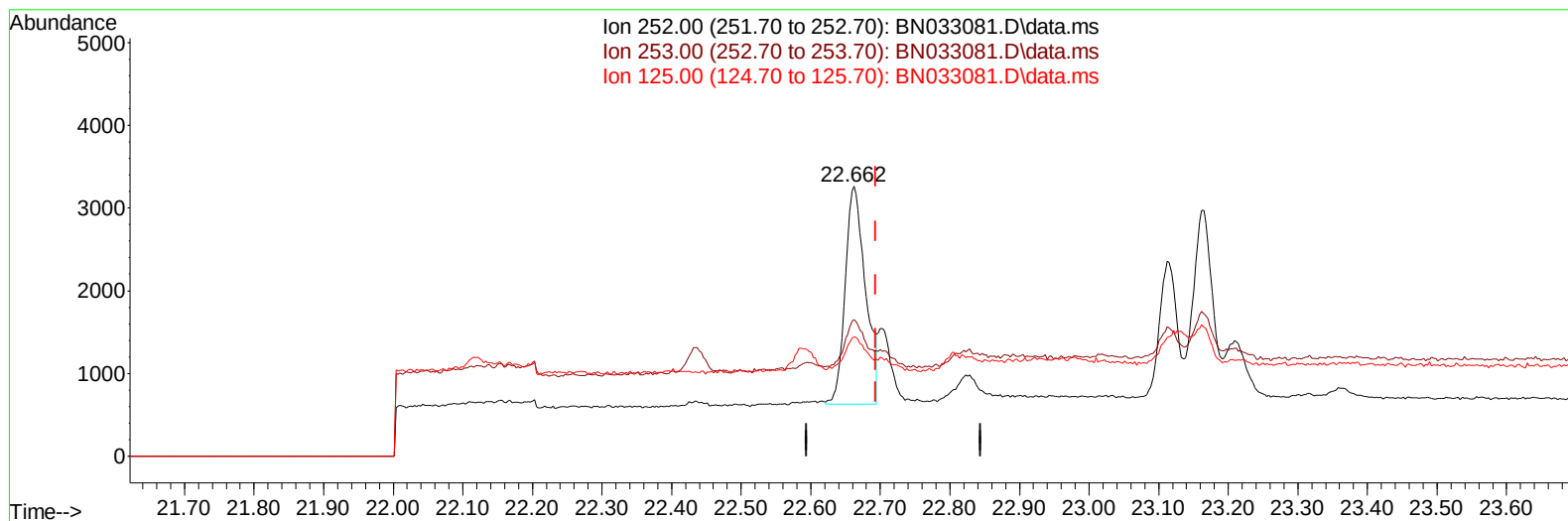
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration



TIC: BN033081.D\data.ms

(24) Benzo(b)fluoranthene

22.662min (-0.032) 0.13 ng/ul m

response 5382

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	50.61
125.00	25.50	44.21
0.00	0.00	0.00

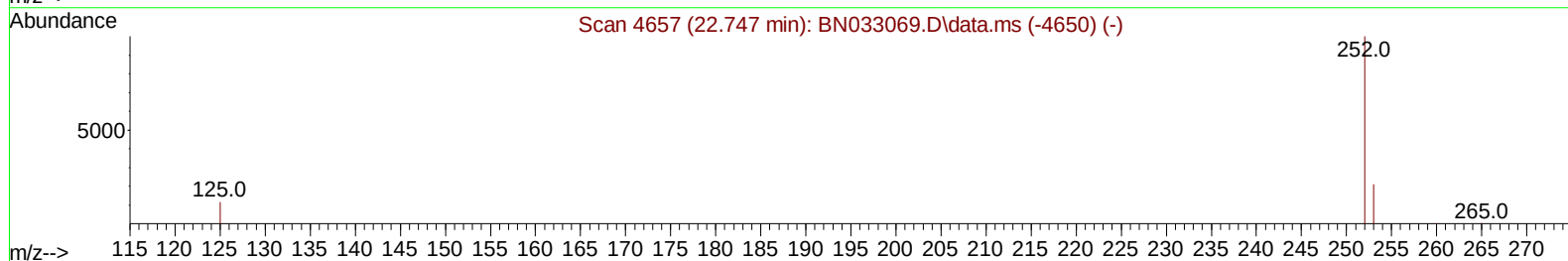
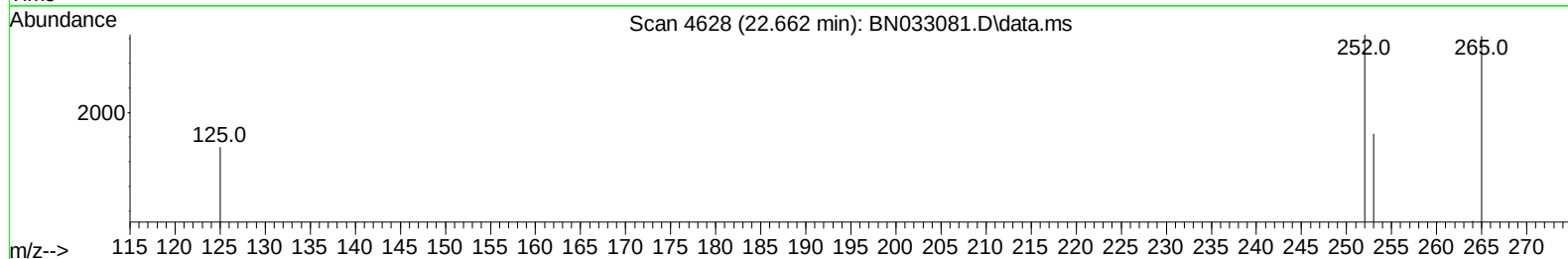
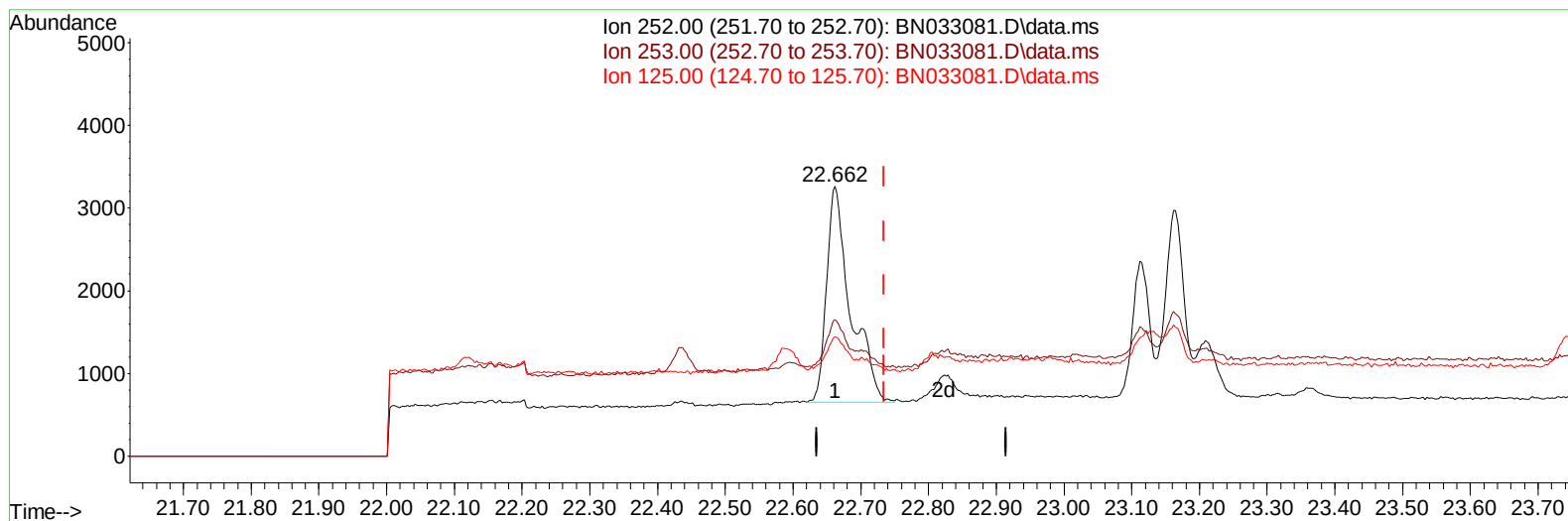
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



TIC: BN033081.D\data.ms

(25) Benzo(k)fluoranthene

22.662min (-0.073) 0.13 ng/u1

response 6469

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	50.61#
125.00	26.10	44.21#
0.00	0.00	0.00

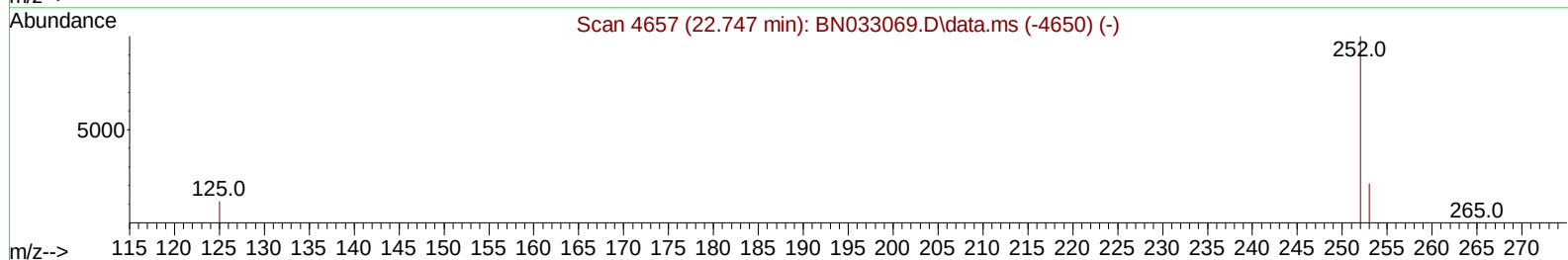
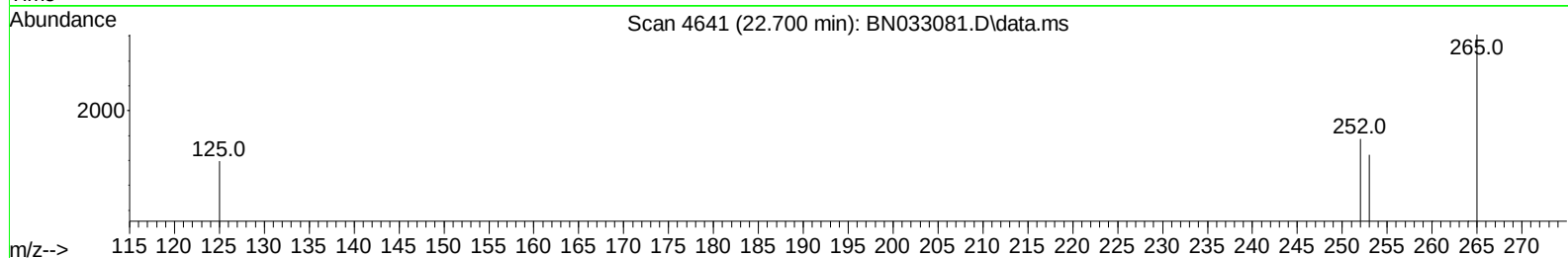
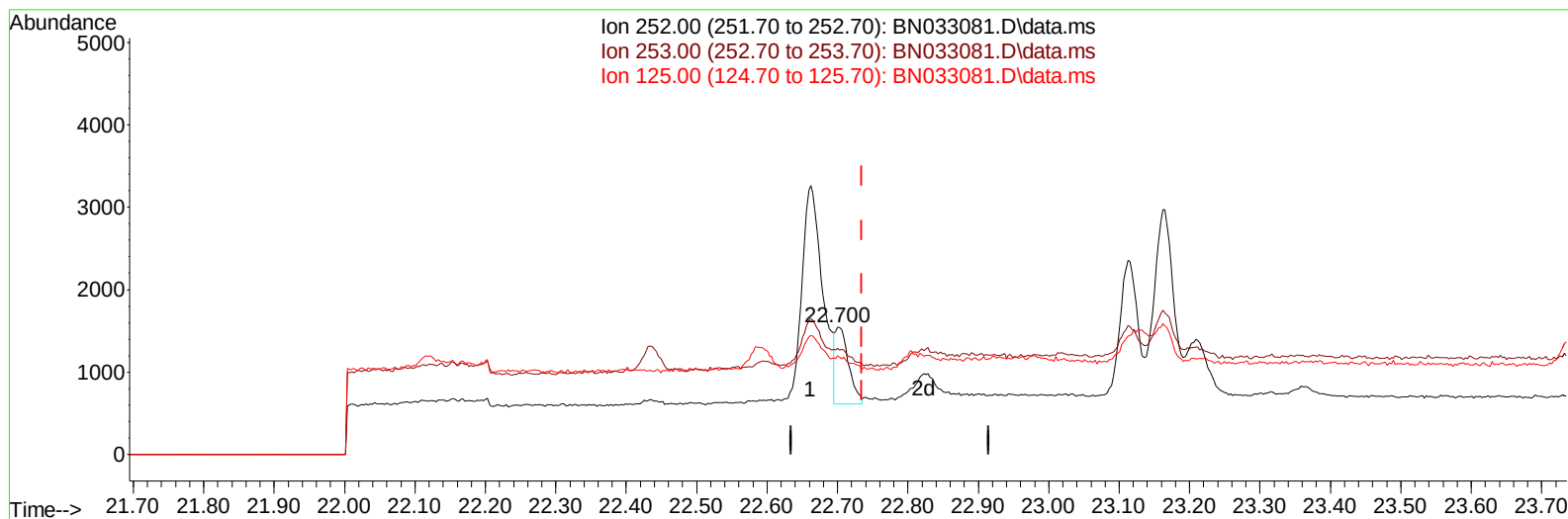
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration



TIC: BN033081.D\data.ms

(25) Benzo(k)fluoranthene

22.700min (-0.035) 0.02 ng/u1 m

response 1252

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	83.44#
125.00	26.10	77.23#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
 Data File : BN033081.D
 Acq On : 29 Jul 2024 23:15
 Operator : MA/JU
 Sample : P3347-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AZ6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 23:48:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 23:04:40 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.499	152		2641	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.257	136		9630	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.139	164		6379	0.400	ng/ul	-0.03
13) Phenanthrene-d10	16.907	188		15025m	0.400	ng/ul	-0.04
17) Chrysene-d12	21.131	240		14214m	0.400	ng/ul	-0.03
23) Perylene-d12	23.311	264		14516m	0.400	ng/ul	-0.04
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.056	96		6336	1.897	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.884	152		3973	0.253	ng/ul	-0.03
18) Fluoranthene-d10	18.949	212		12343	0.307	ng/ul	-0.03
Target Compounds							
							Qvalue
5) Naphthalene	10.306	128		9571	0.387	ng/ul	95
7) 2-Methylnaphthalene	11.961	142		1675	0.100	ng/ul	95
8) 1-Methylnaphthalene	12.170	142		1275	0.070	ng/ul	96
10) Acenaphthylene	13.856	152		1587	0.061	ng/ul#	70
11) Acenaphthene	14.199	153		297522	15.151	ng/ul	99
12) Fluorene	15.203	166		6326	0.276	ng/ul#	99
15) Phenanthrene	16.945	178		3032m	0.075	ng/ul	
16) Anthracene	17.038	178		29348m	0.810	ng/ul	
19) Fluoranthene	18.981	202		442576	9.457	ng/ul	96
20) Pyrene	19.344	202		273626	5.452	ng/ul	98
21) Benzo(a)anthracene	21.116	228		12894	0.266	ng/ul	94
22) Chrysene	21.172	228		6634m	0.117	ng/ul	
24) Benzo(b)fluoranthene	22.662	252		5382m	0.127	ng/ul	
25) Benzo(k)fluoranthene	22.700	252		1252m	0.025	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN073024\
Data File : BN033081.D
Acq On : 29 Jul 2024 23:15
Operator : MA/JU
Sample : P3347-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 29 23:48:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 23:04:40 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

