

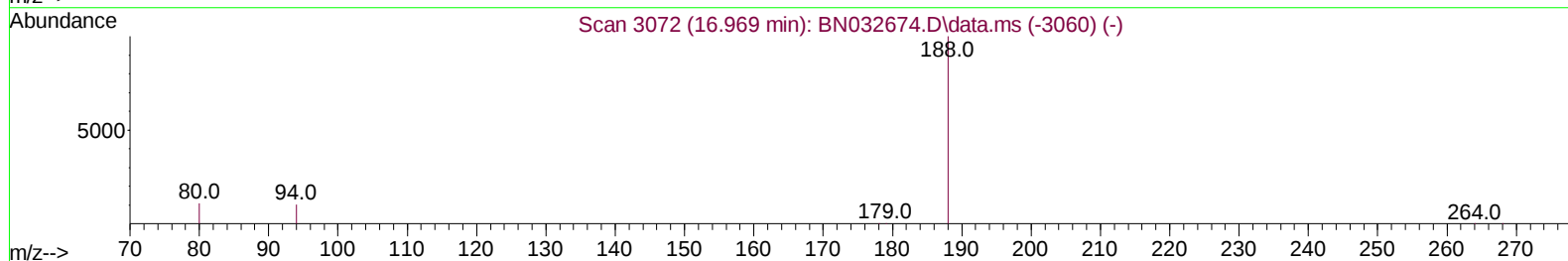
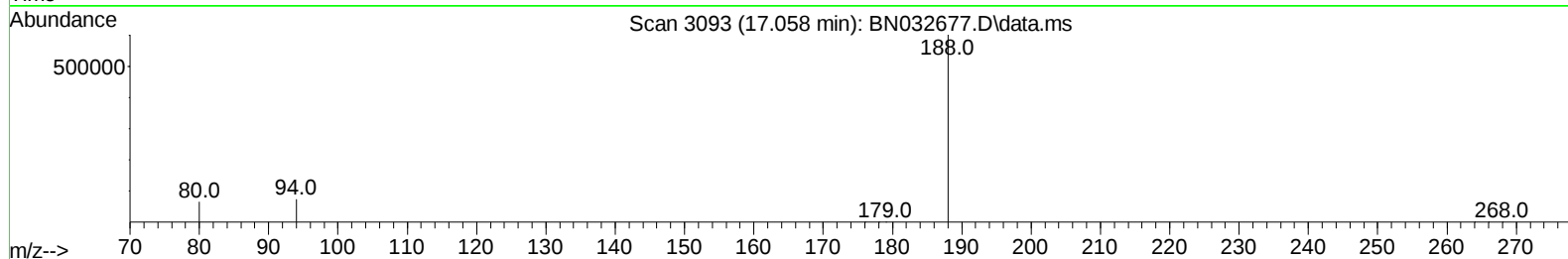
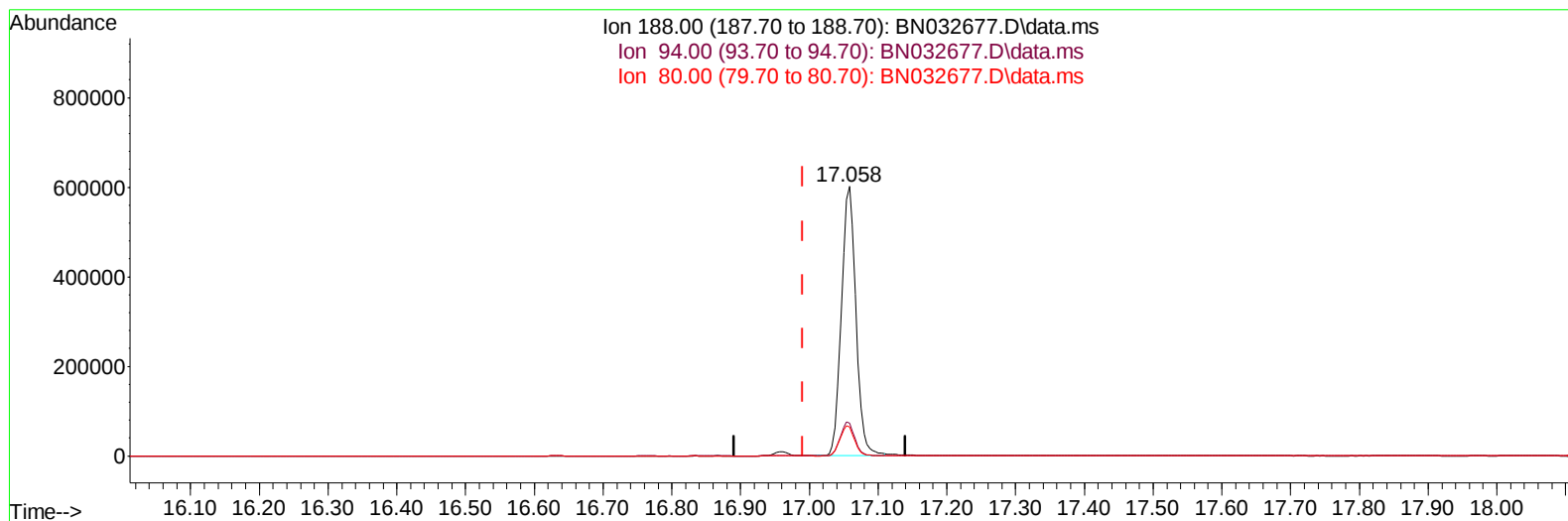
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.068) 0.40 ng/u1

response 884560

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.07
80.00	12.00	10.80
0.00	0.00	0.00

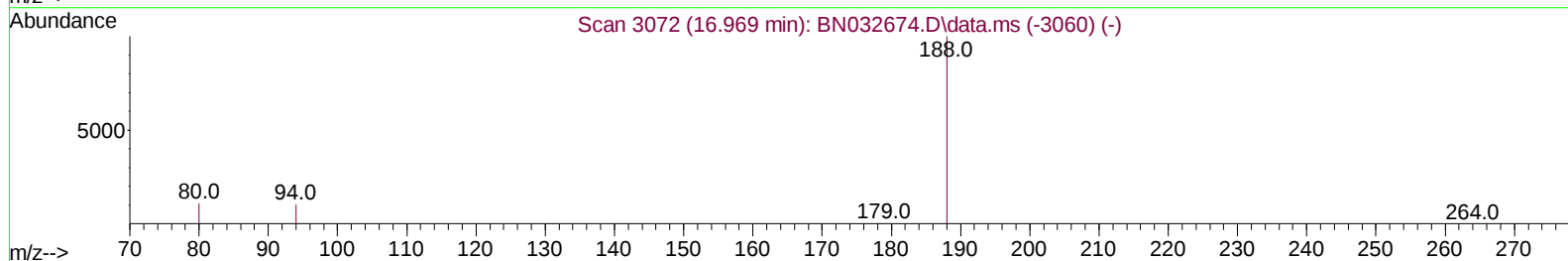
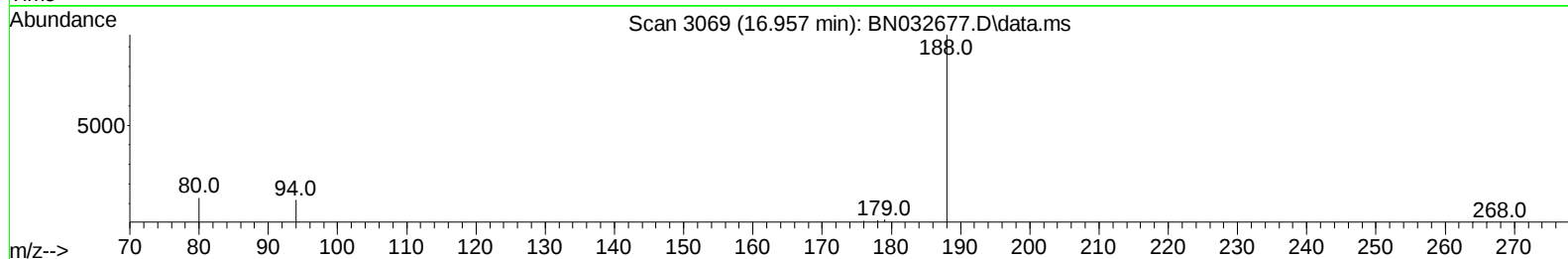
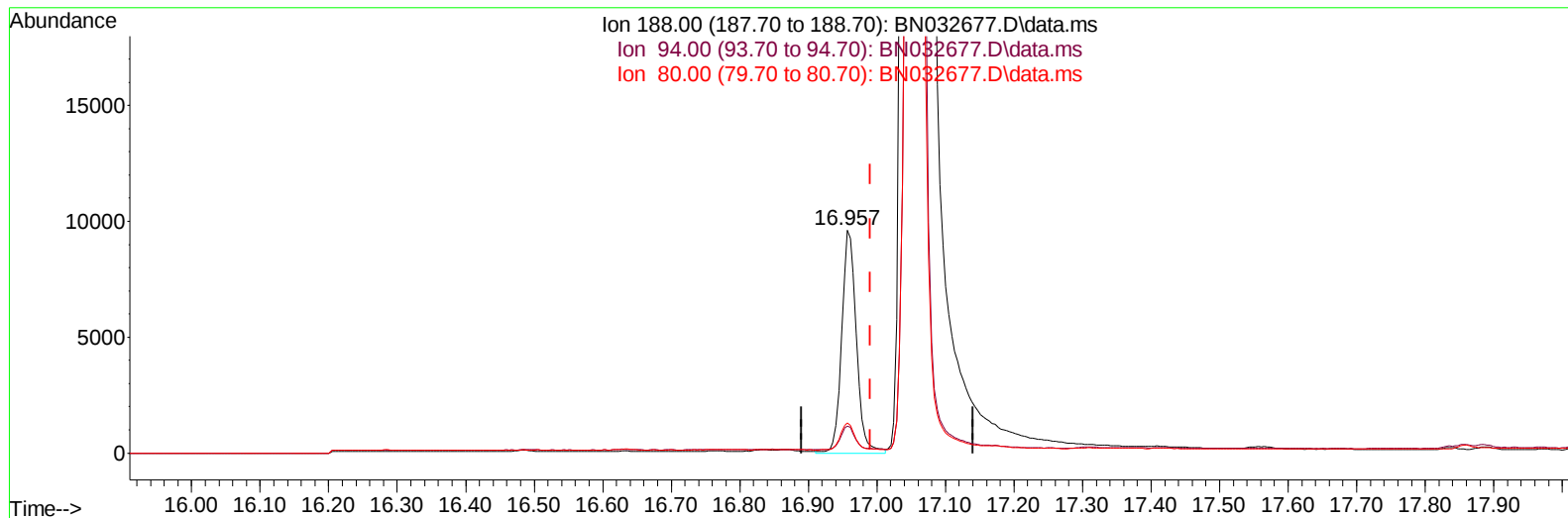
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(13) Phenanthrene-d10 (I)

16.957min (-0.034) 0.40 ng/u1 m

response 14297

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.25
80.00	12.00	13.42
0.00	0.00	0.00

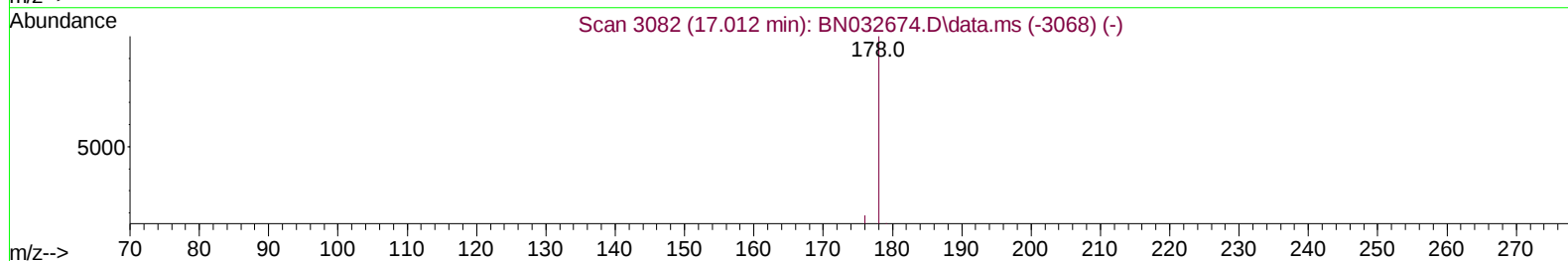
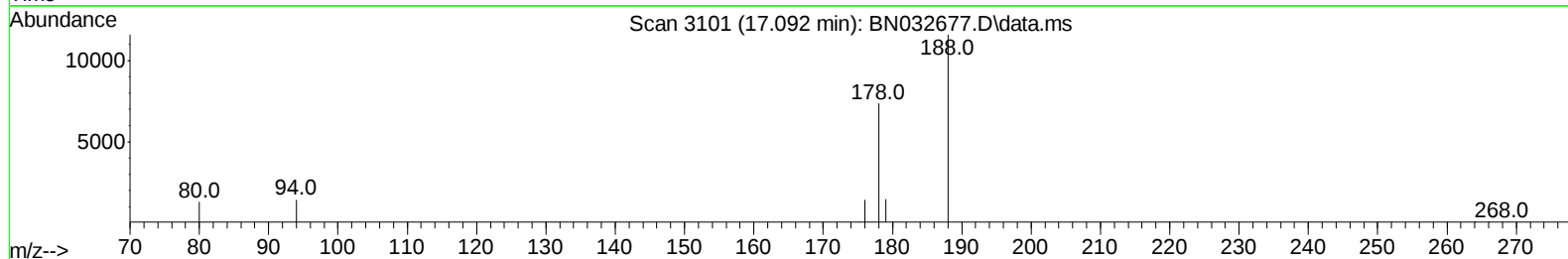
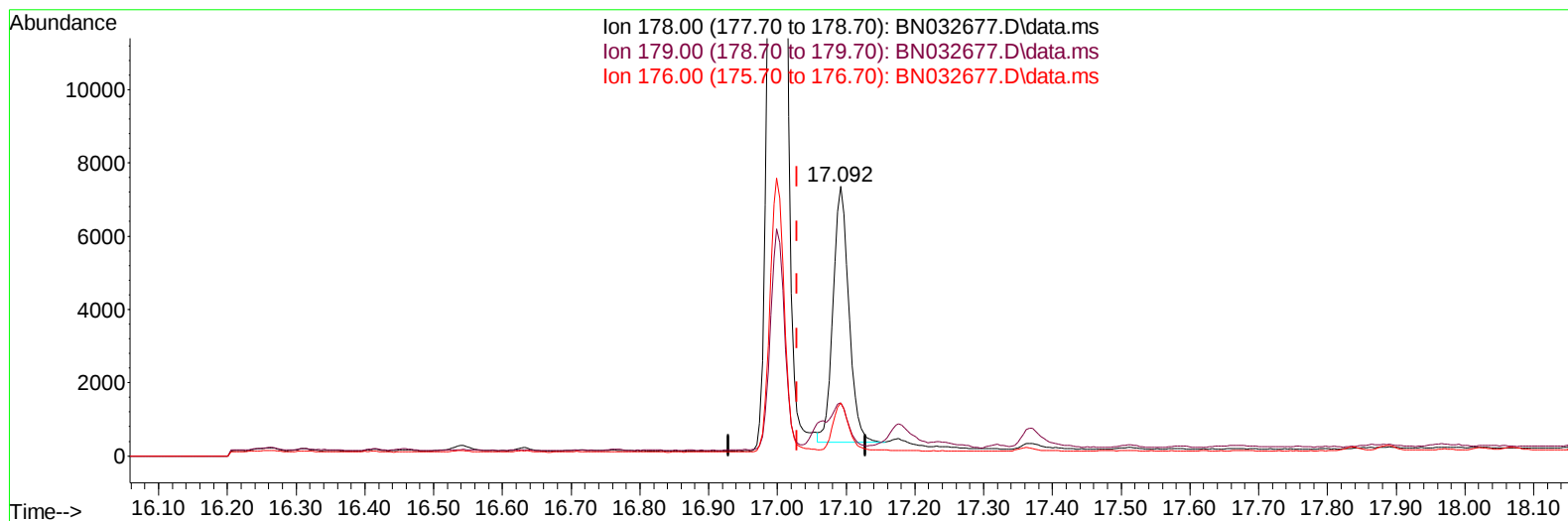
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.28 ng/u1

response 11097

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	19.68#
176.00	19.50	19.63
0.00	0.00	0.00

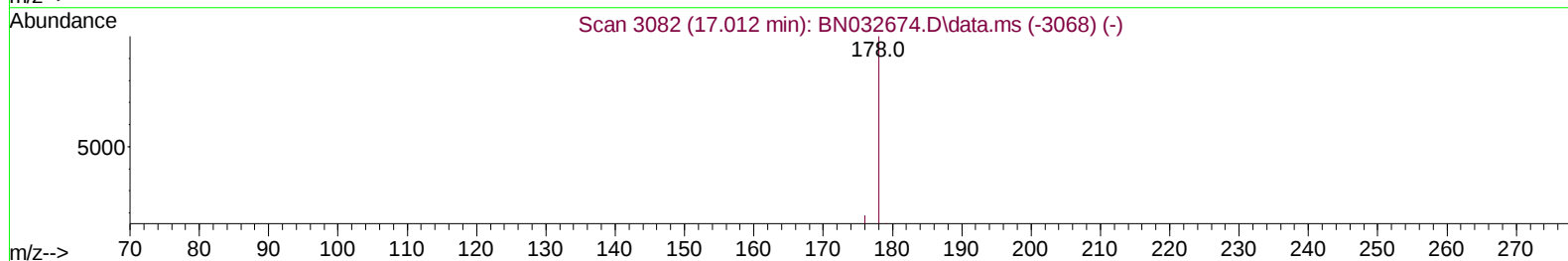
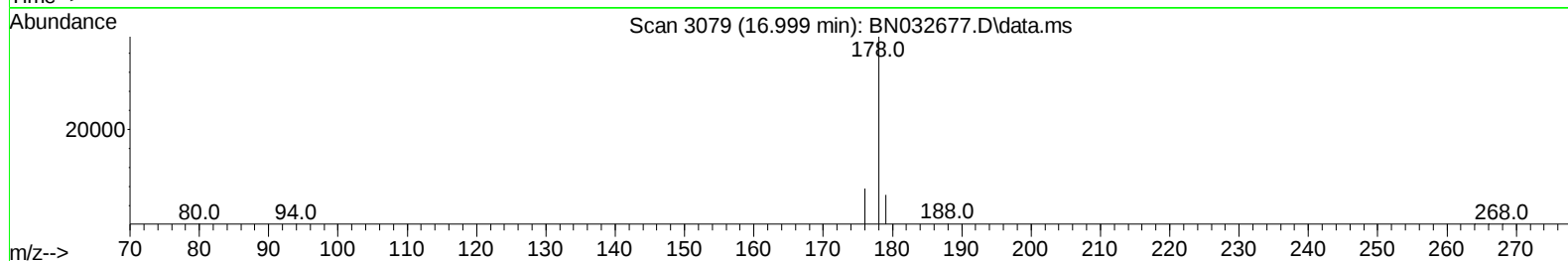
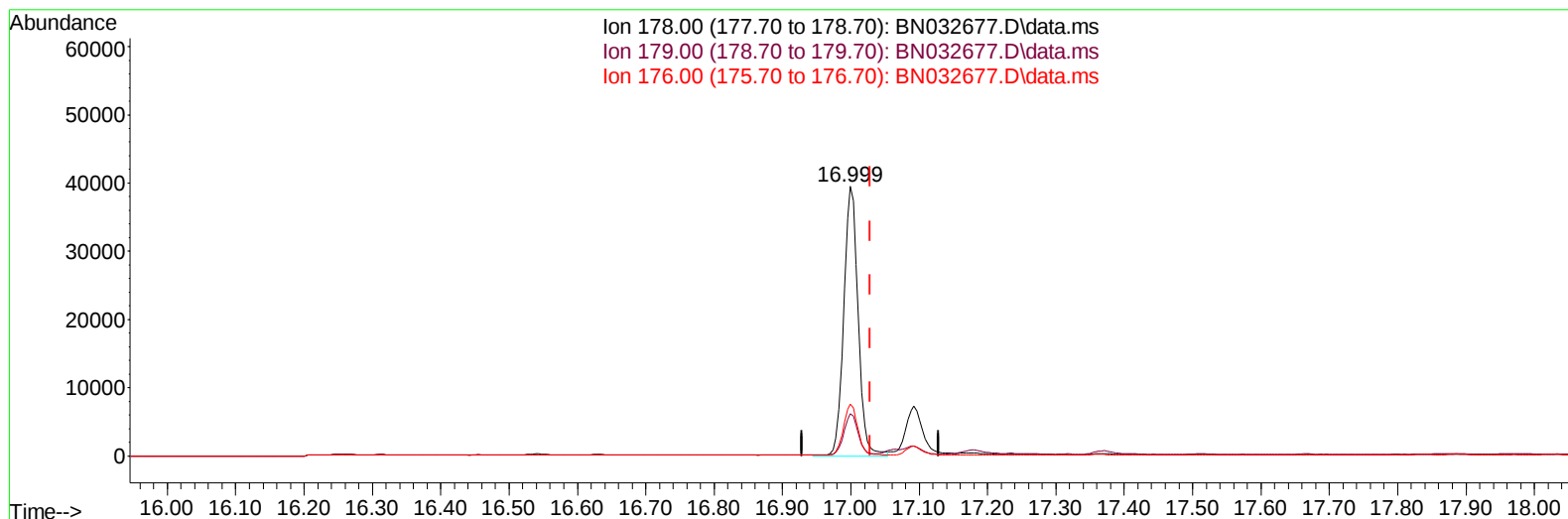
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(15) Phenanthrene

16.999min (-0.029) 1.49 ng/u1 m

response 58082

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.68
176.00	19.50	19.22
0.00	0.00	0.00

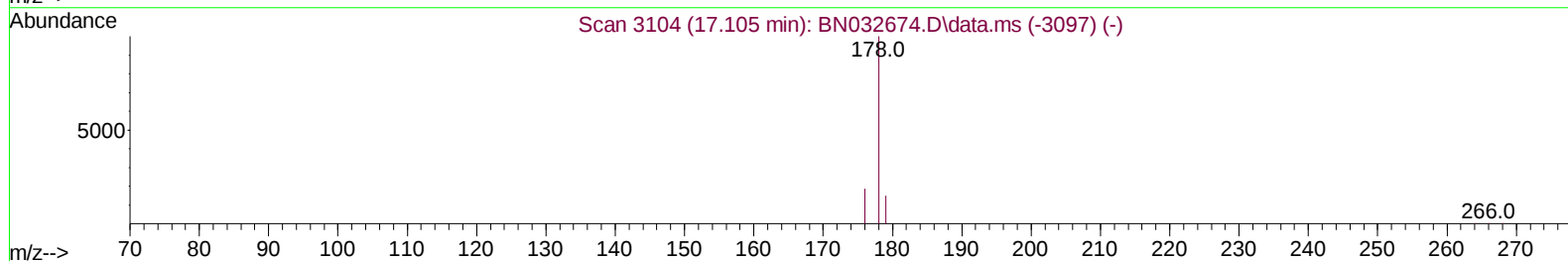
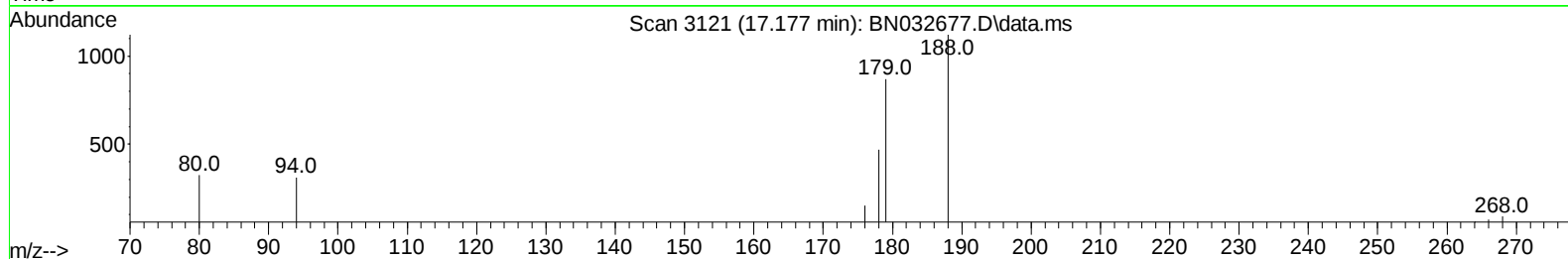
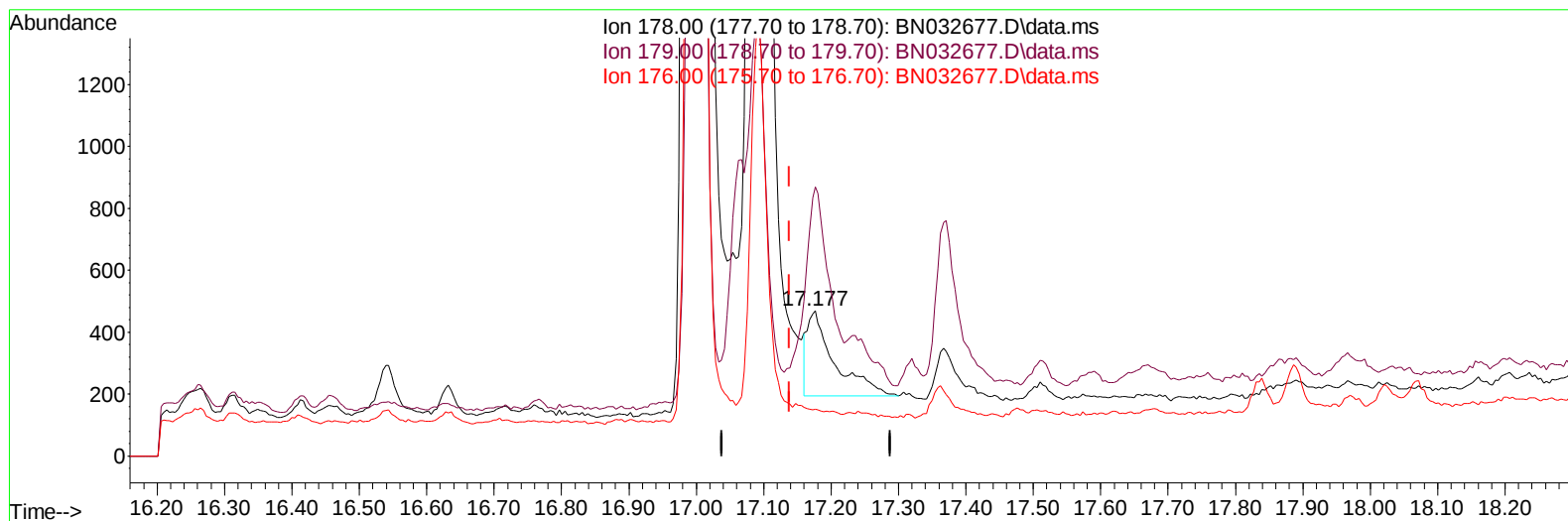
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(16) Anthracene

17.177min (+ 0.038) 0.02 ng/u1

response 762

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	185.11#
176.00	19.20	32.13#
0.00	0.00	0.00

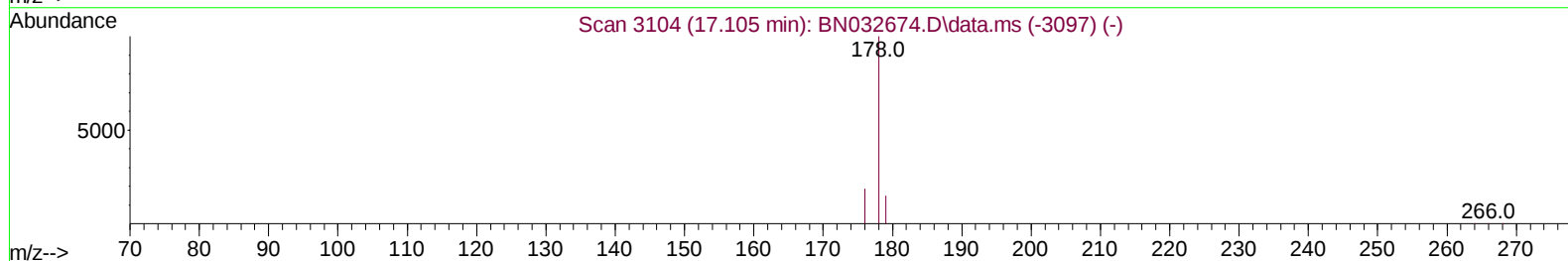
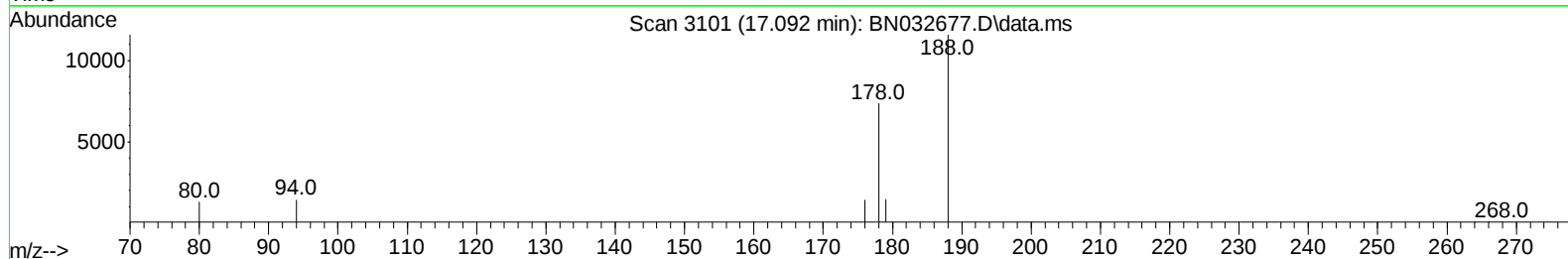
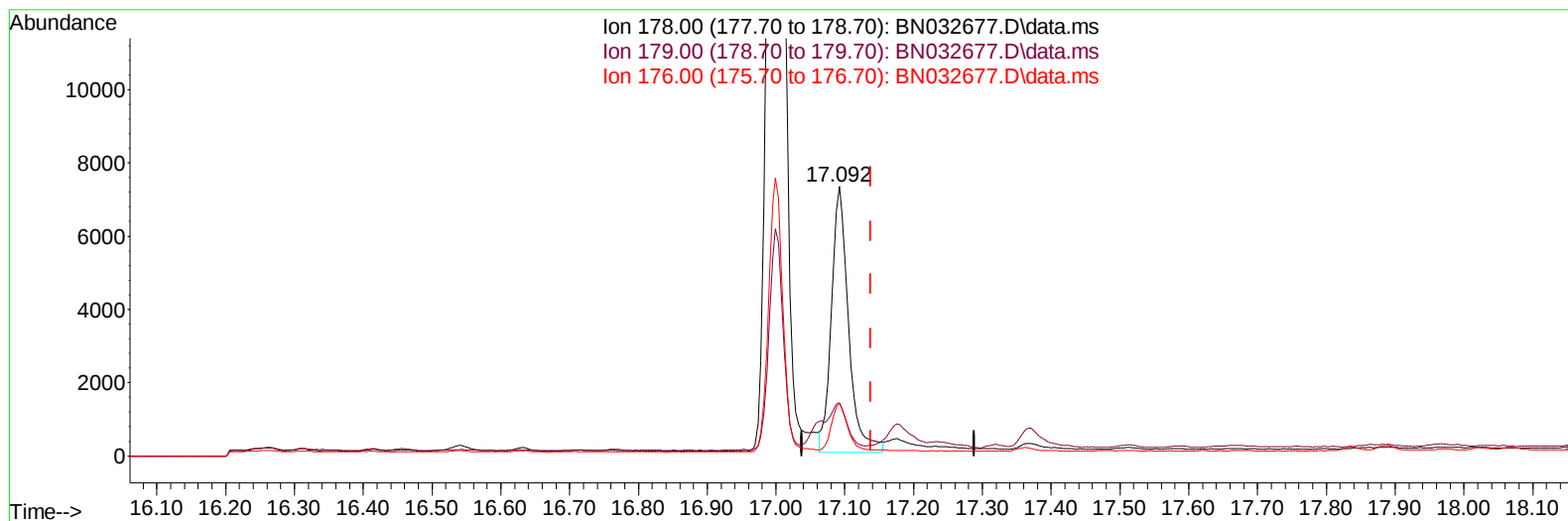
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(16) Anthracene

17.092min (-0.046) 0.39 ng/u1 m

response 12529

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	19.68
176.00	19.20	19.63
0.00	0.00	0.00

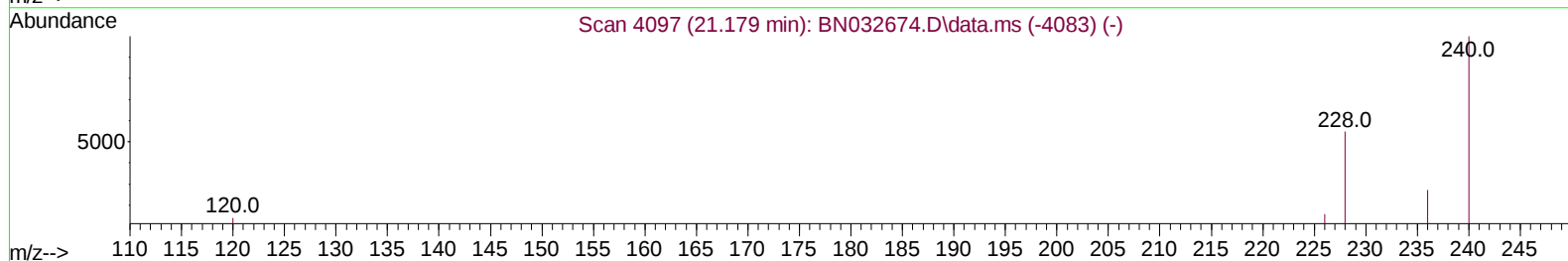
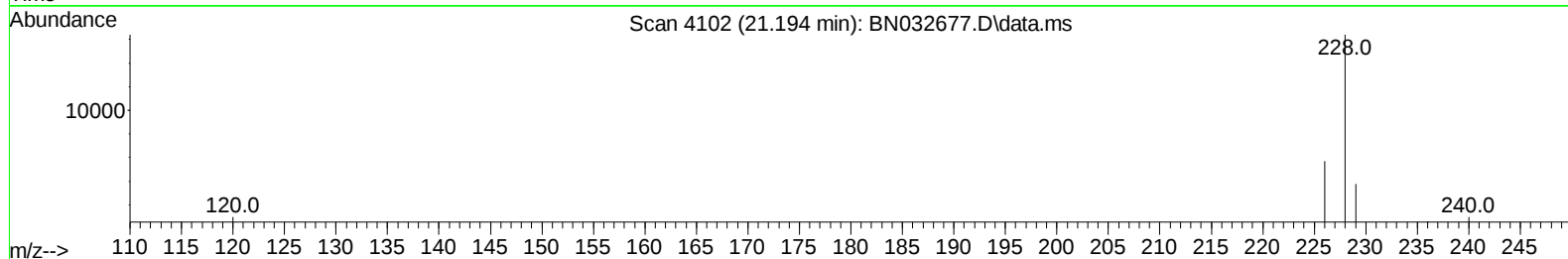
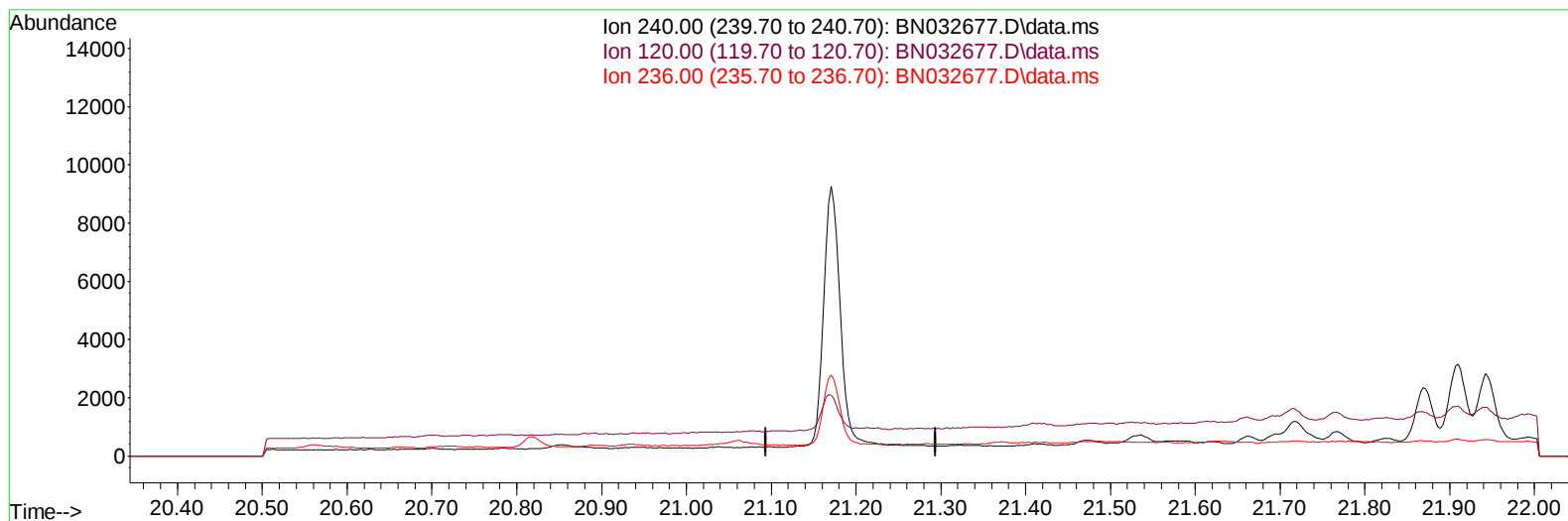
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.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

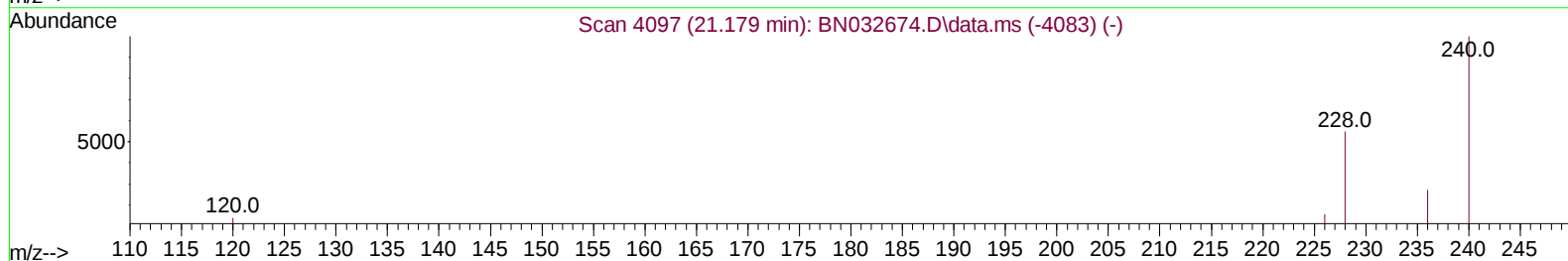
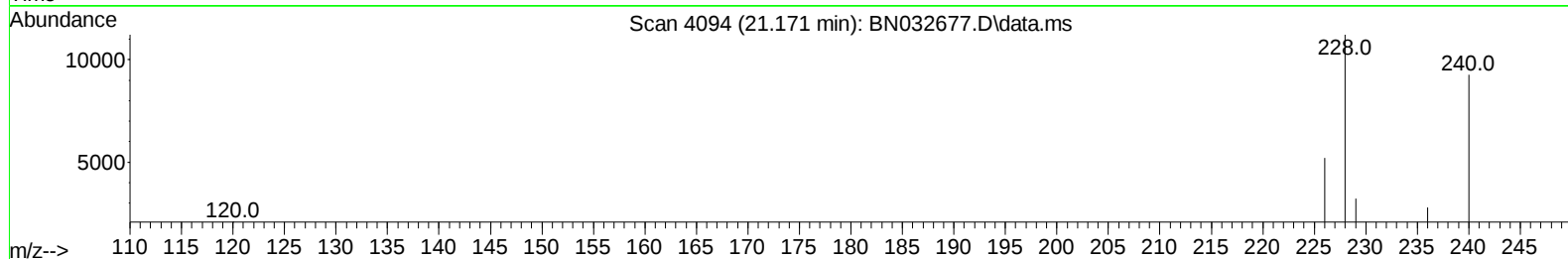
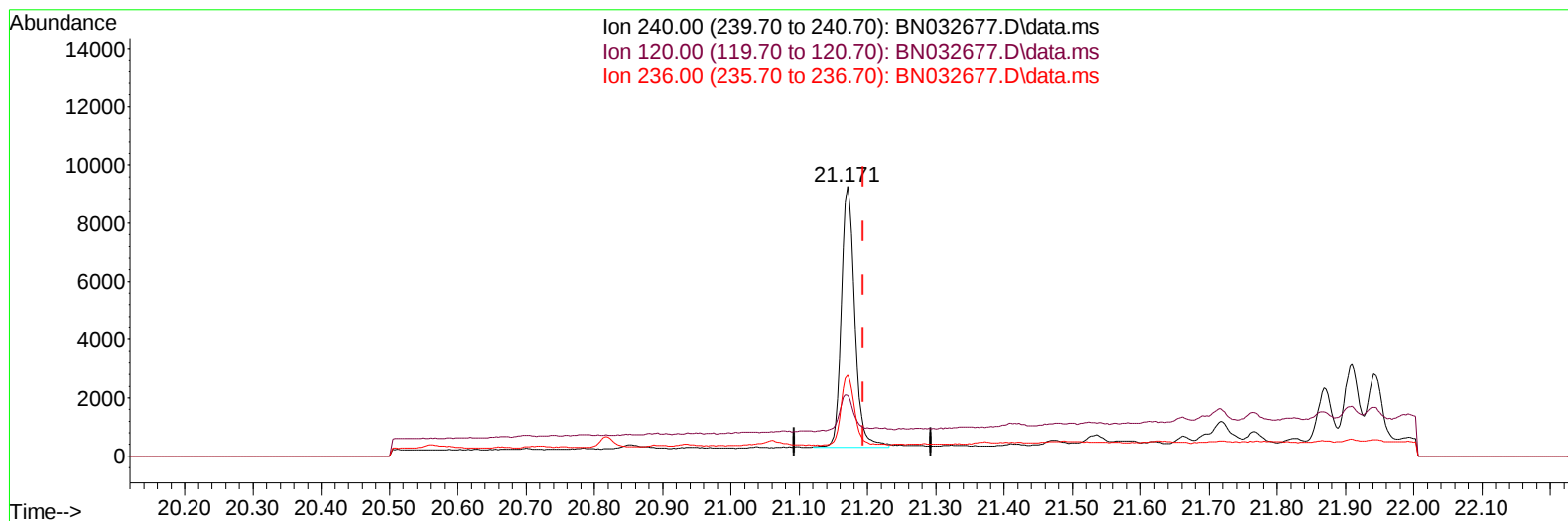
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(17) Chrysene-d12

21.171min (-0.023) 0.40 ng/ul m

response 12275

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.42#
236.00	28.40	30.06
0.00	0.00	0.00

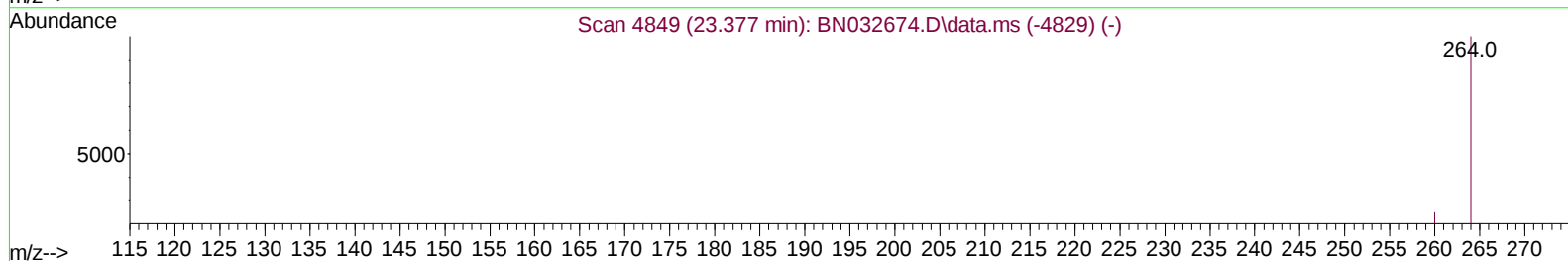
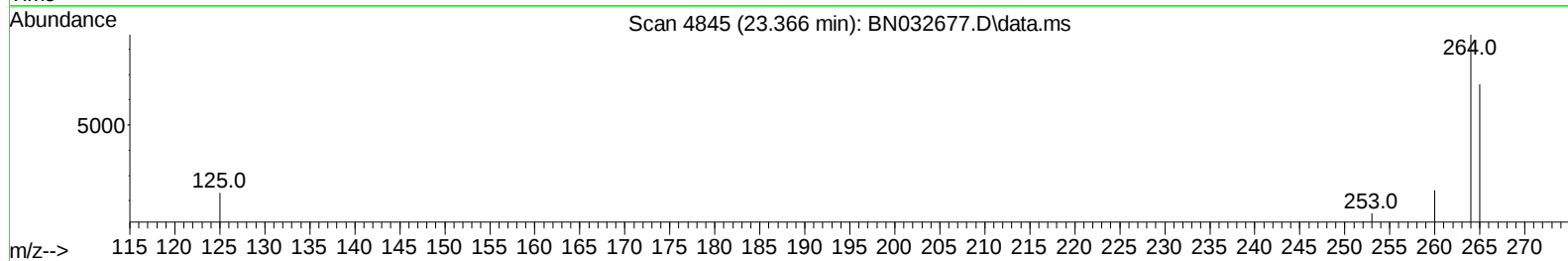
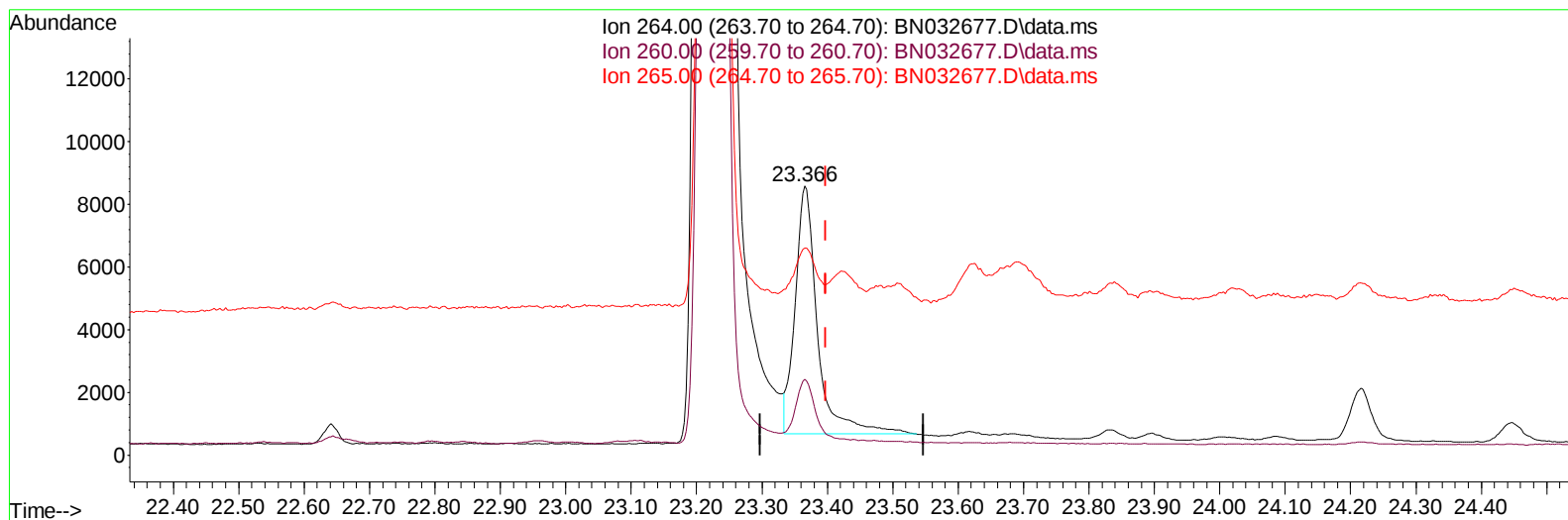
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(23) Perylene-d12 (I)

23.366min (-0.032) 0.40 ng/u1

response 18809

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.10
265.00	95.50	77.07
0.00	0.00	0.00

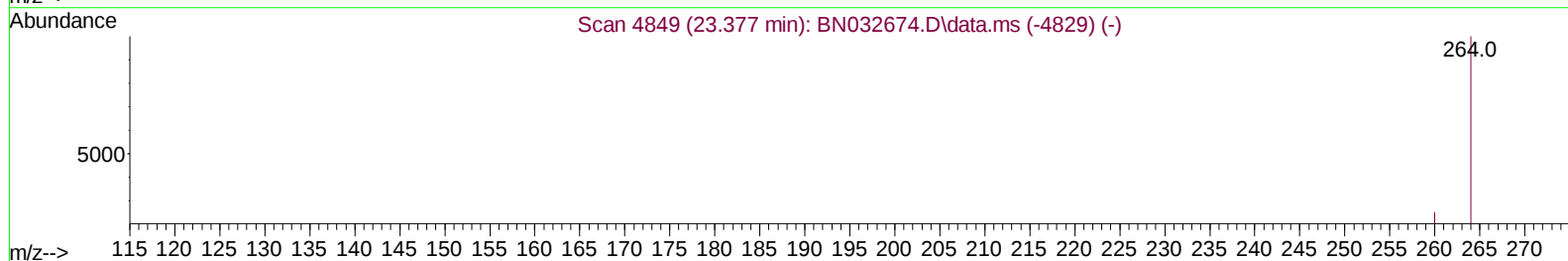
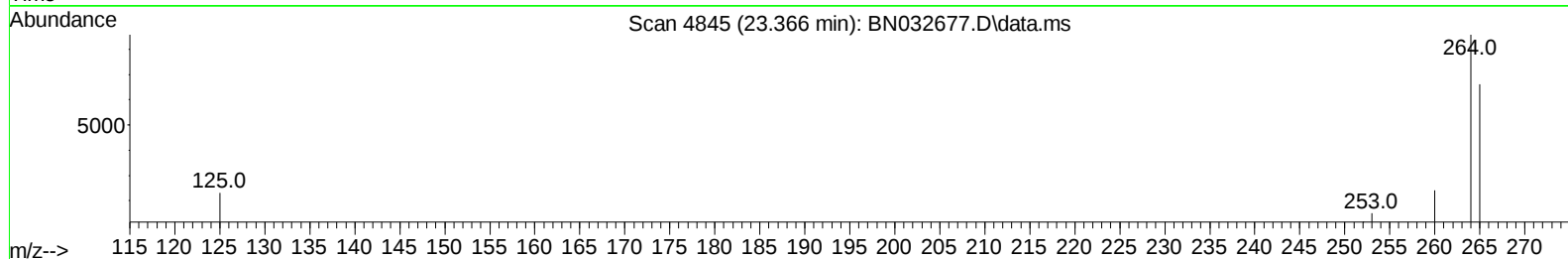
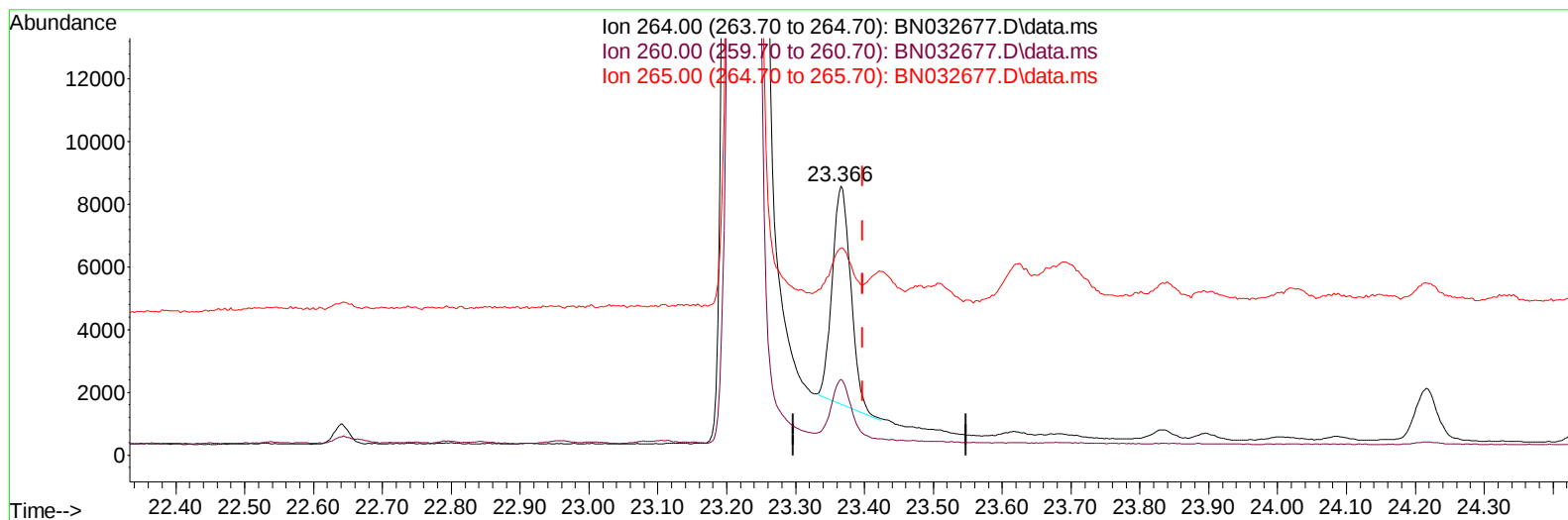
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(23) Perylene-d12 (I)

23.366min (-0.032) 0.40 ng/ul m

response 13004

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	28.10
265.00	95.50	77.07
0.00	0.00	0.00

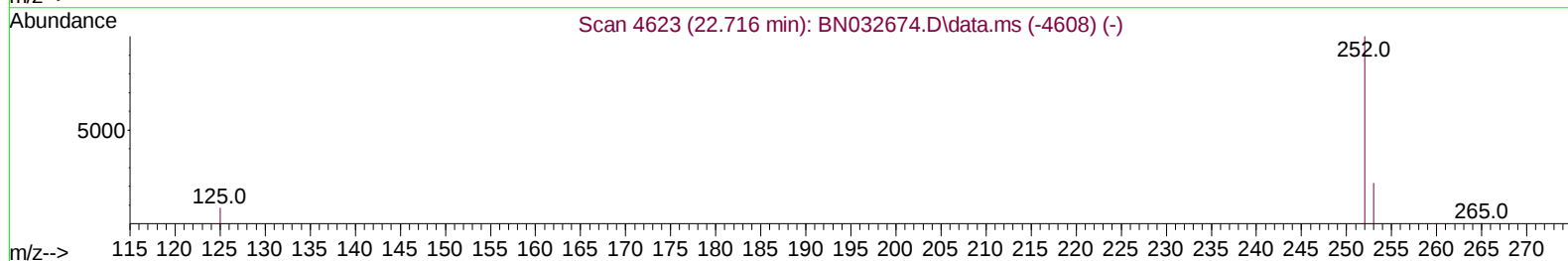
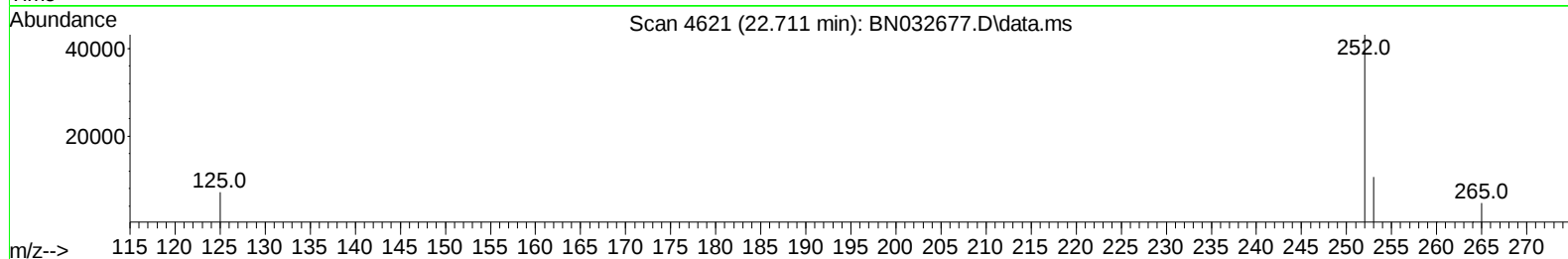
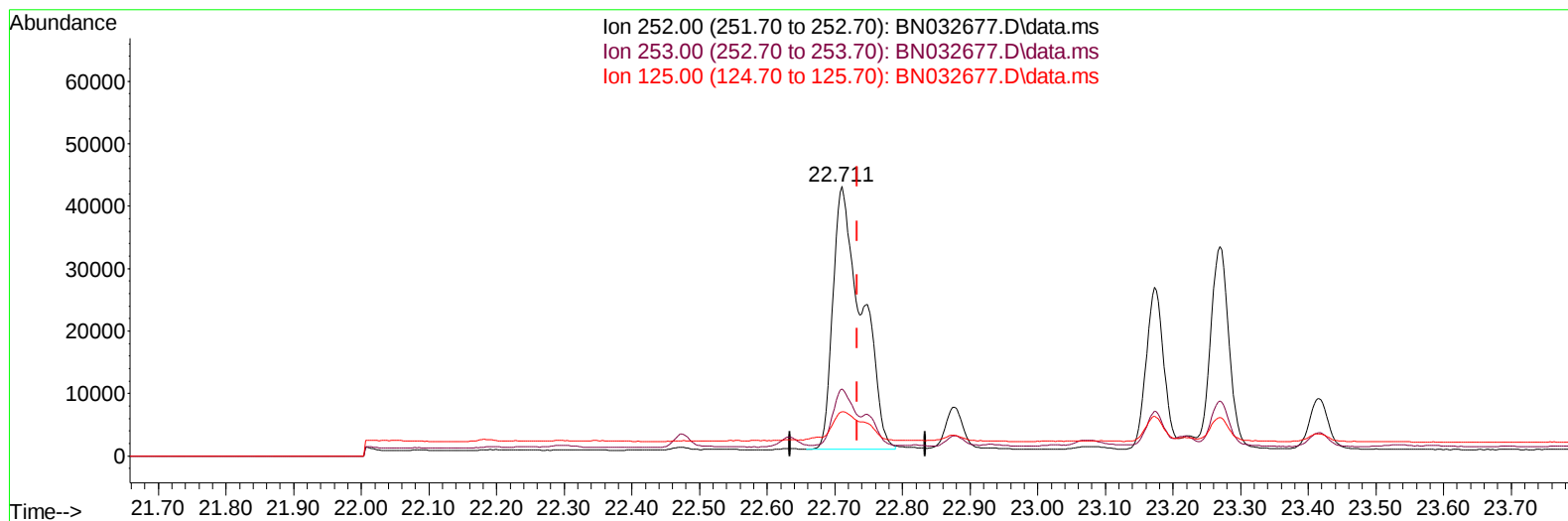
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 18:46:49 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: BN032677.D\data.ms

(24) Benzo(b)fluoranthene

22.711min (-0.023) 2.72 ng/u1

response 124699

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.86
125.00	18.00	16.52
0.00	0.00	0.00

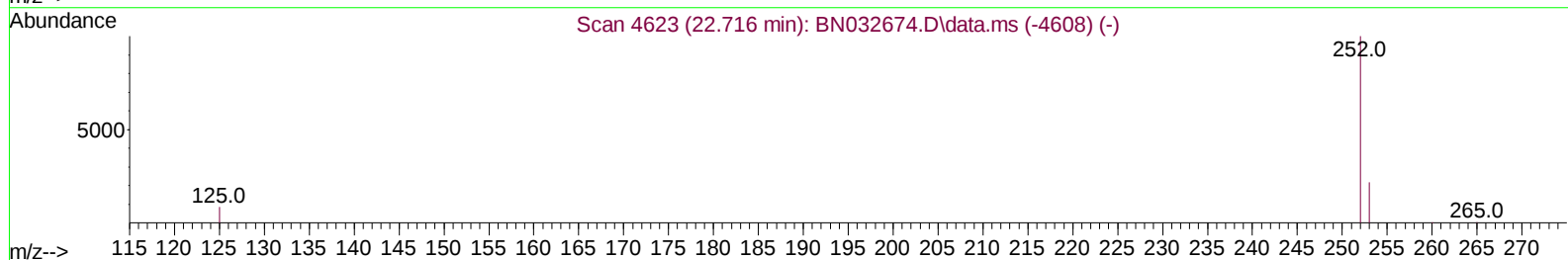
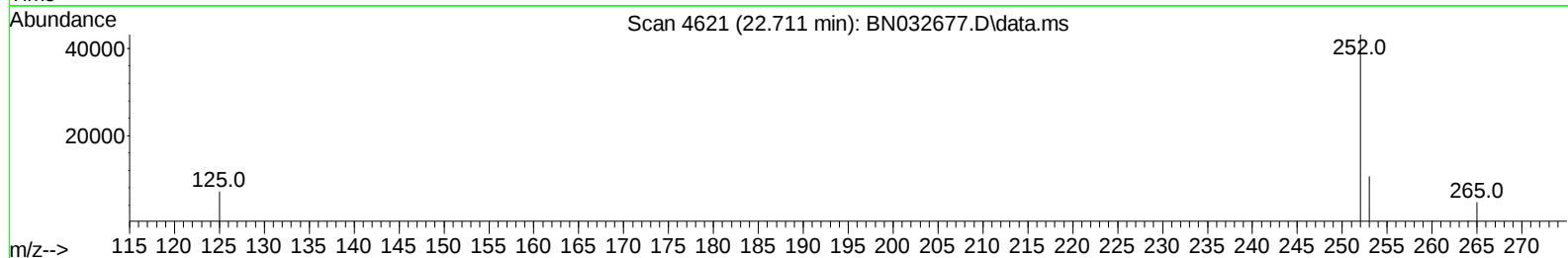
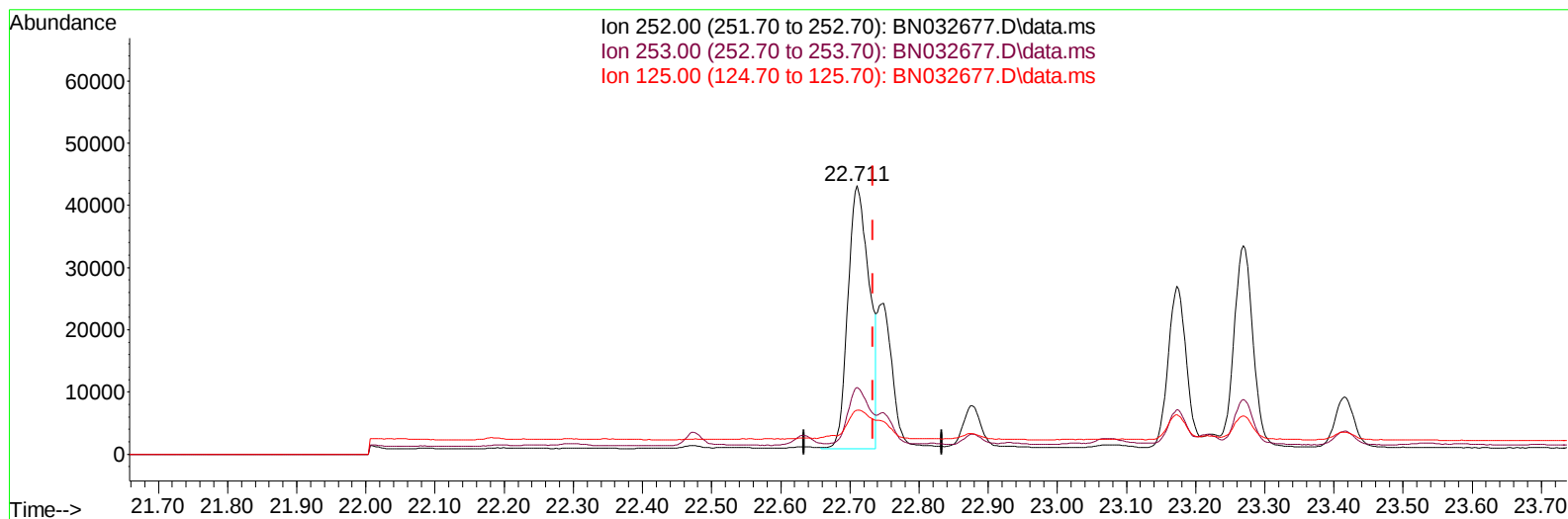
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032677.D\data.ms

(24) Benzo(b)fluoranthene

22.711min (-0.023) 1.99 ng/u1 m

response 91086

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.86
125.00	18.00	16.52
0.00	0.00	0.00

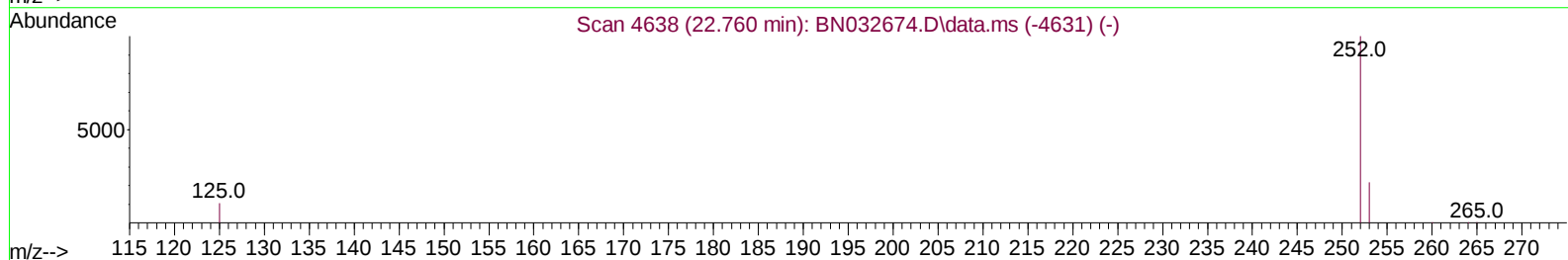
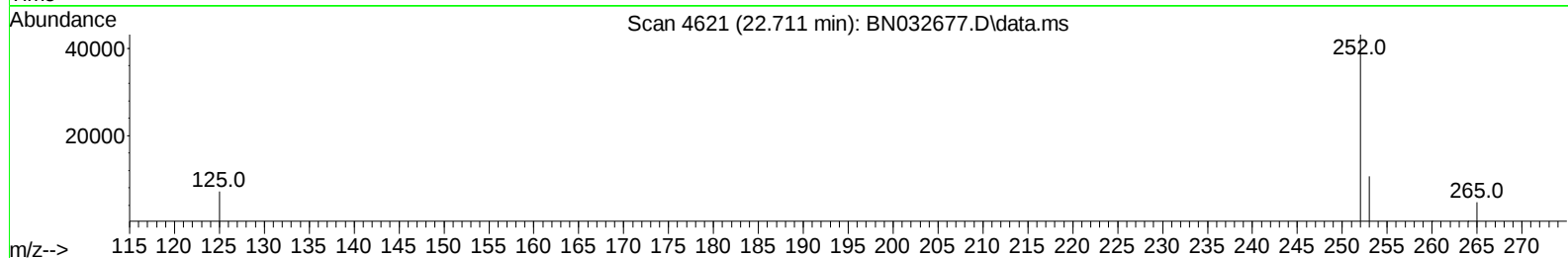
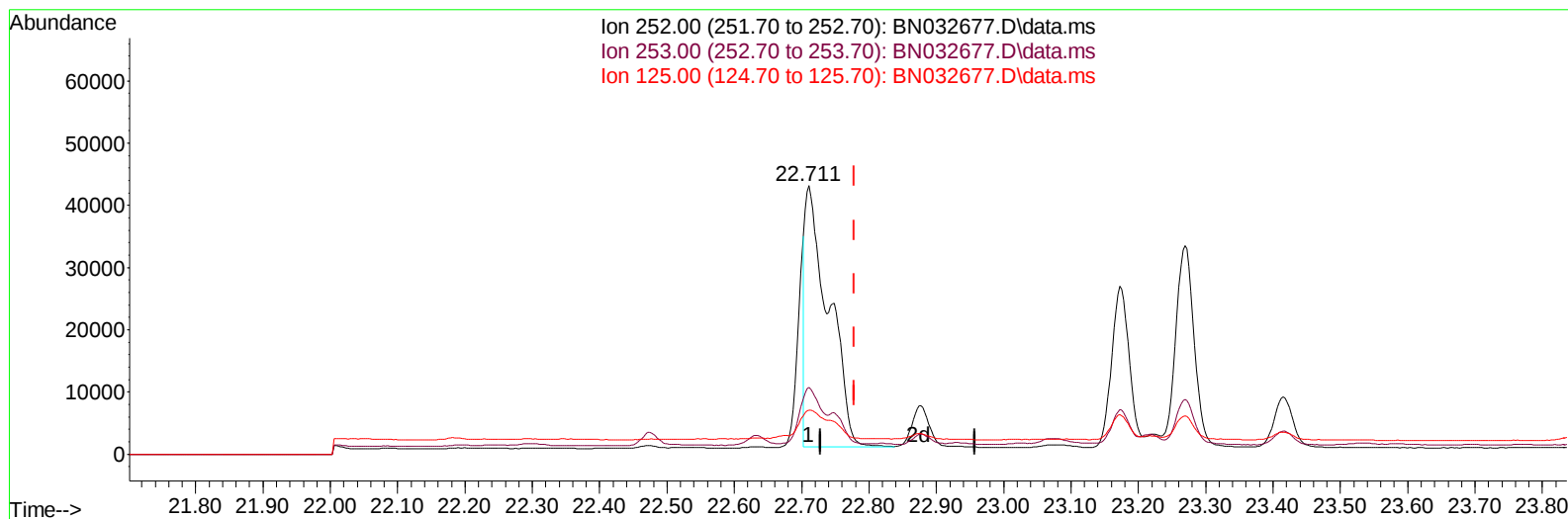
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 18:46:49 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: BN032677.D\data.ms

(25) Benzo(k)fluoranthene

22.711min (-0.067) 1.83 ng/u1

response 102487

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.86
125.00	18.50	16.52
0.00	0.00	0.00

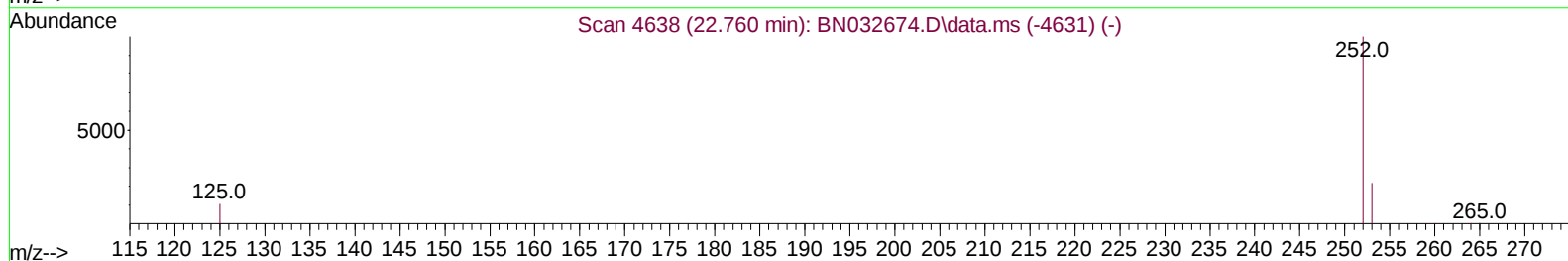
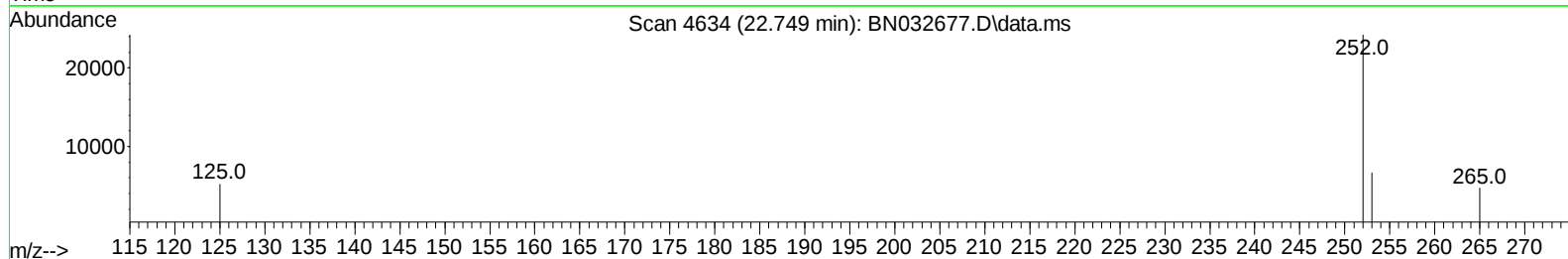
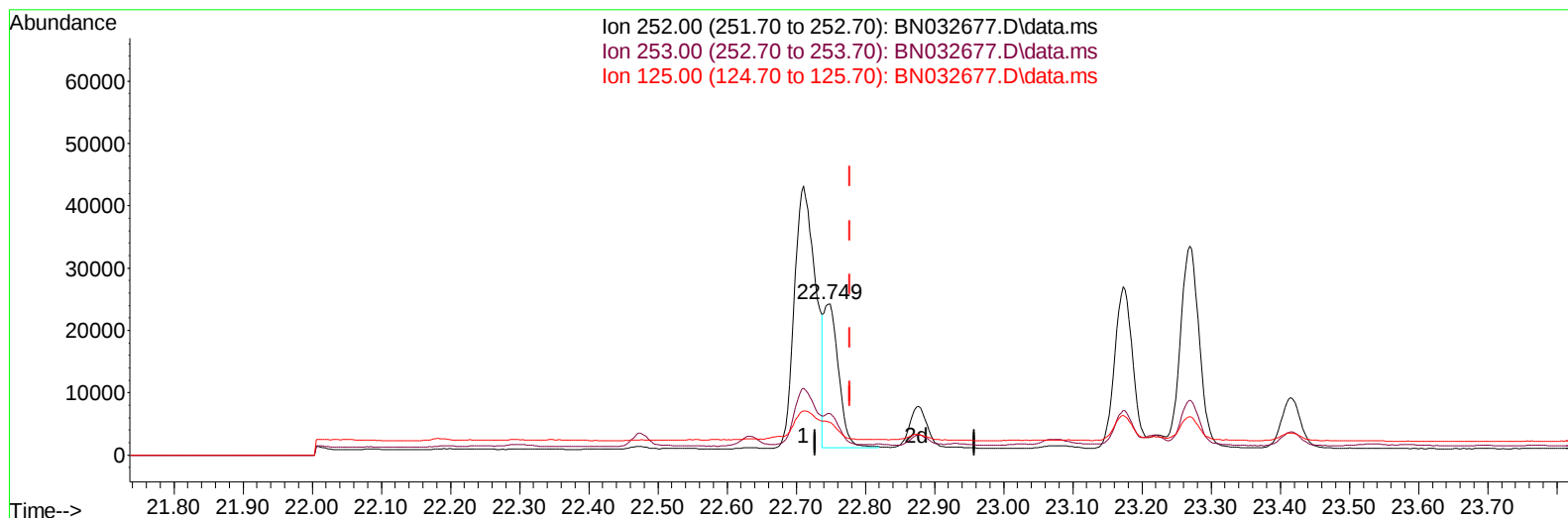
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 18:46:49 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: BN032677.D\data.ms

(25) Benzo(k)fluoranthene

22.749min (-0.029) 0.62 ng/u1 m

response 34466

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	27.69
125.00	18.50	21.52
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032677.D
 Acq On : 12 Jul 2024 17:59
 Operator : MA/JU
 Sample : P3087-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	4865	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136	14301	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164	7509	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.957	188	14297m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240	12275m	0.400	ng/ul	-0.02
23) Perylene-d12	23.366	264	13004m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	18877	3.232	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	5128	0.237	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212	10735	0.268	ng/ul	-0.03
Target Compounds						
					Qvalue	
5) Naphthalene	10.371	128	2928	0.076	ng/ul#	92
7) 2-Methylnaphthalene	12.004	142	941	0.039	ng/ul	92
8) 1-Methylnaphthalene	12.224	142	697	0.028	ng/ul	95
10) Acenaphthylene	13.920	152	5584	0.184	ng/ul	95
11) Acenaphthene	14.262	153	2594	0.103	ng/ul	98
12) Fluorene	15.257	166	3078	0.107	ng/ul#	98
15) Phenanthrene	16.999	178	58082m	1.492	ng/ul	
16) Anthracene	17.092	178	12529m	0.394	ng/ul	
19) Fluoranthene	19.032	202	126575	2.536	ng/ul	97
20) Pyrene	19.394	202	111421	2.157	ng/ul	98
21) Benzo(a)anthracene	21.156	228	56542	1.447	ng/ul	96
22) Chrysene	21.209	228	62601	1.108	ng/ul	97
24) Benzo(b)fluoranthene	22.711	252	91086m	1.985	ng/ul	
25) Benzo(k)fluoranthene	22.749	252	34466m	0.616	ng/ul	
26) Benzo(a)pyrene	23.269	252	61722	1.554	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.576	276	49799	0.926	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.572	278	11151	0.268	ng/ul#	71
29) Benzo(g,h,i)perylene	26.253	276	49363	1.099	ng/ul	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032677.D
Acq On : 12 Jul 2024 17:59
Operator : MA/JU
Sample : P3087-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BR1

Manual IntegrationsAPPROVED

Quant Time: Jul 12 18:46:49 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 :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

