

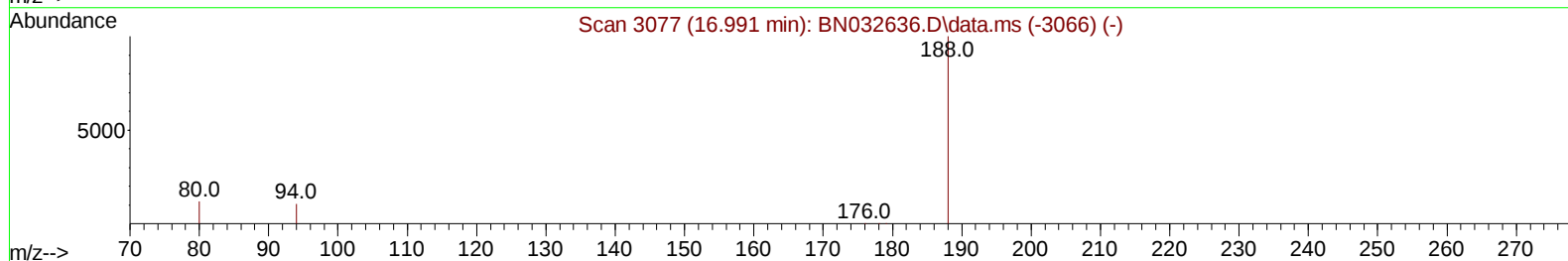
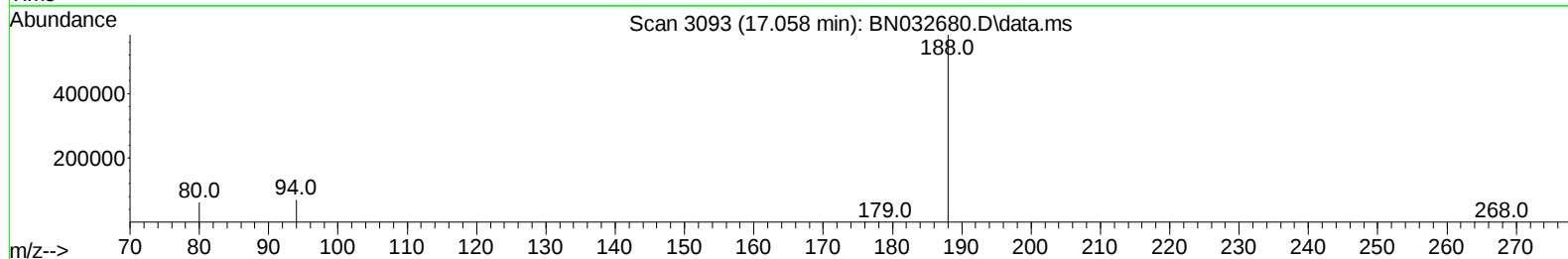
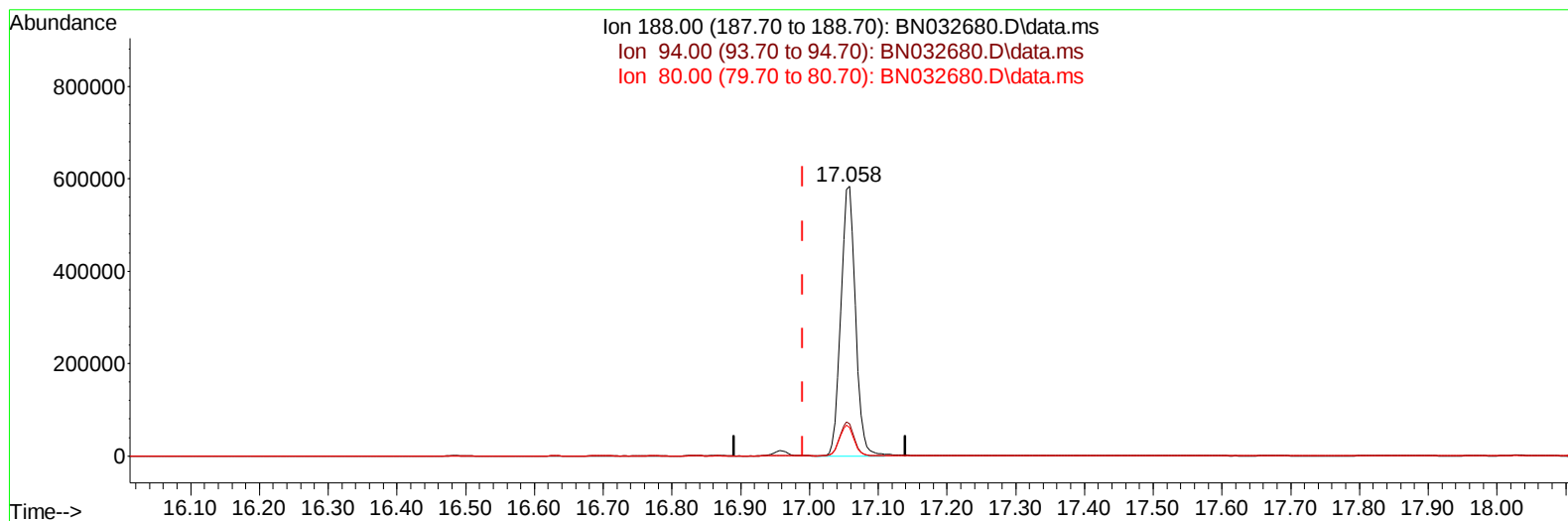
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.068) 0.40 ng/u1

response 860623

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	11.89
80.00	12.00	10.54
0.00	0.00	0.00

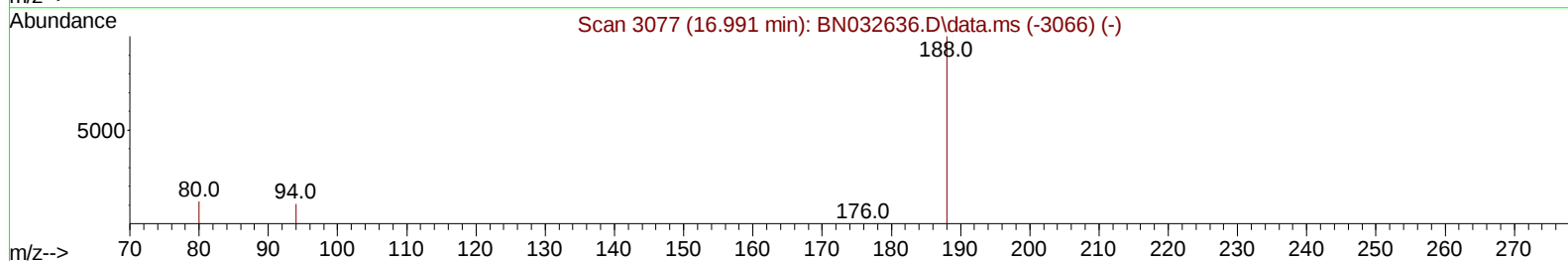
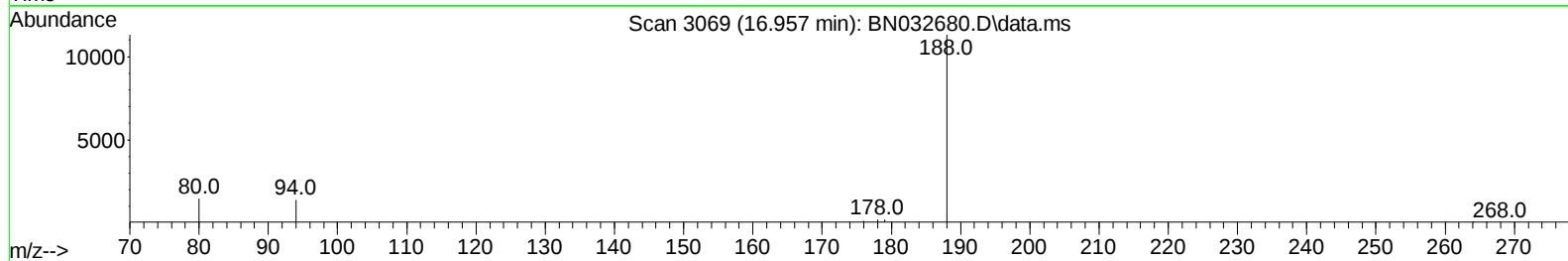
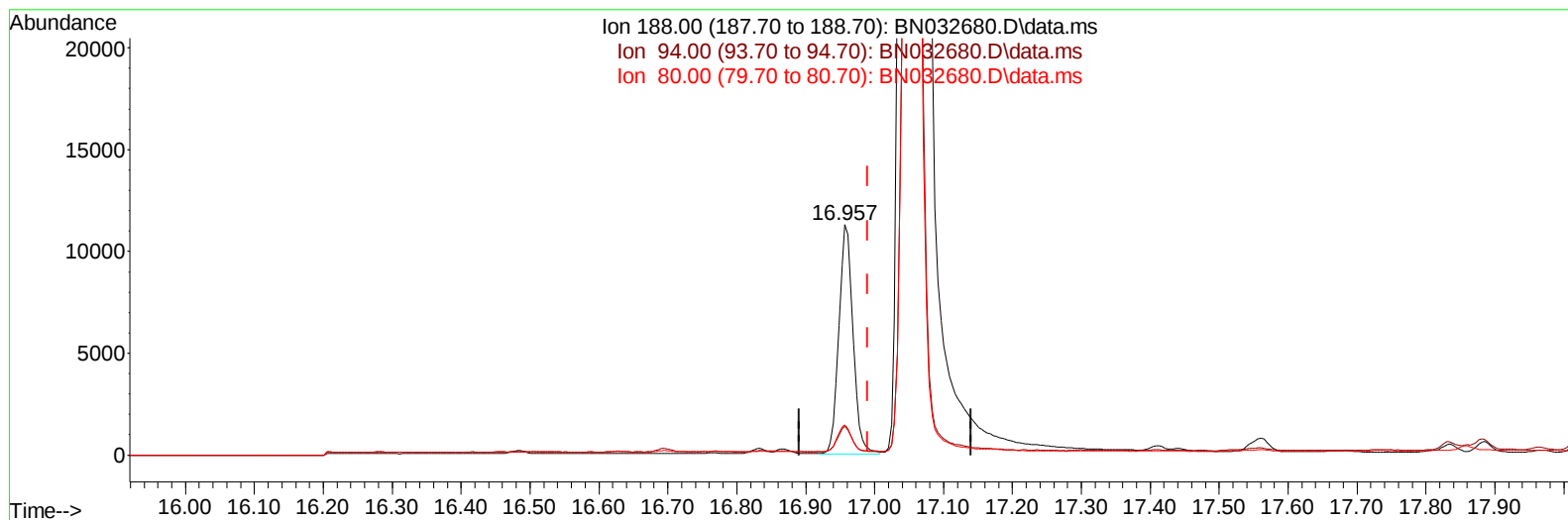
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(13) Phenanthrene-d10 (I)

16.957min (-0.034) 0.40 ng/ul m

response 16043

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.46
80.00	12.00	13.12
0.00	0.00	0.00

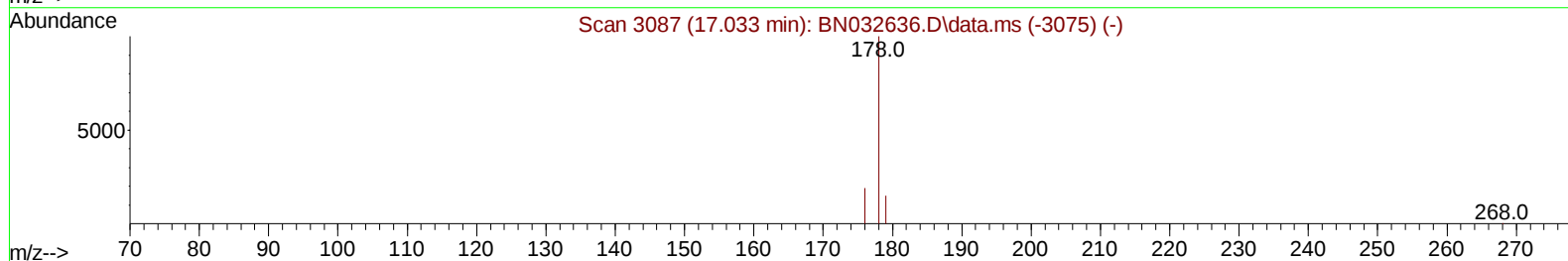
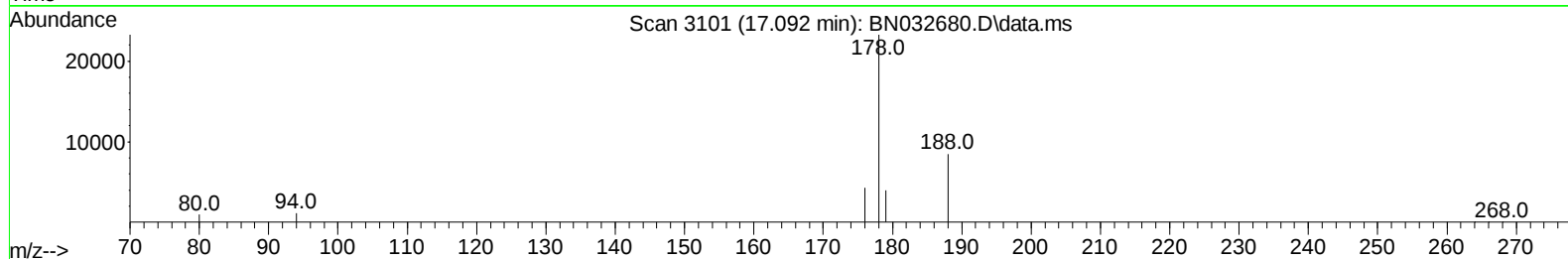
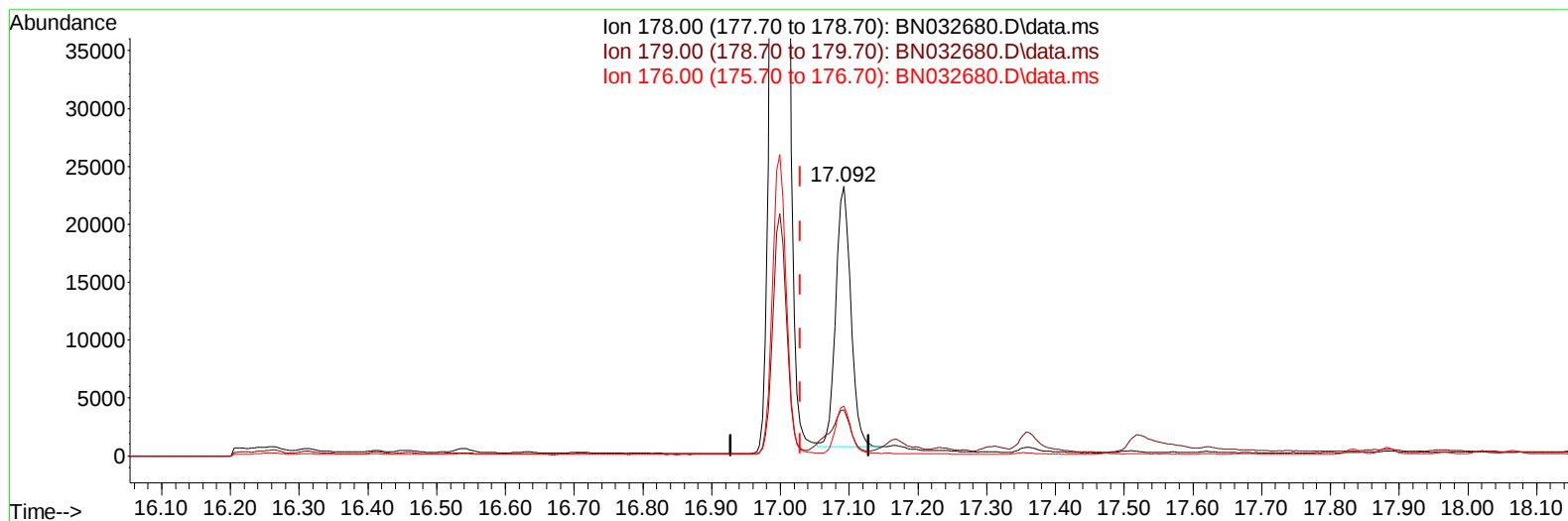
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032680.D
 Acq On : 12 Jul 2024 19:48
 Operator : MA/JU
 Sample : P3087-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.78 ng/u1

response 34164

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.17
176.00	19.50	18.63
0.00	0.00	0.00

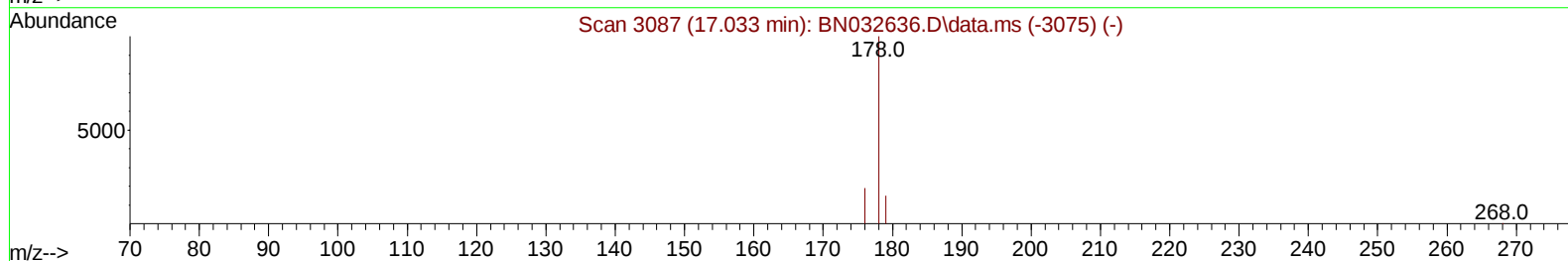
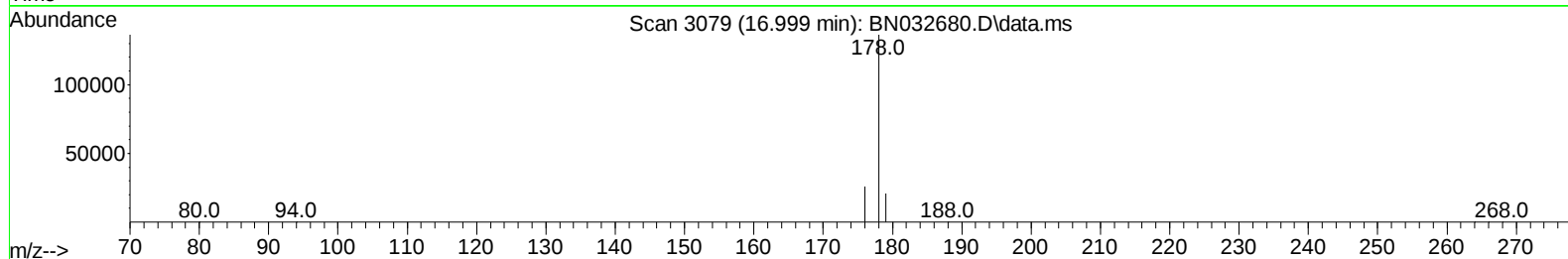
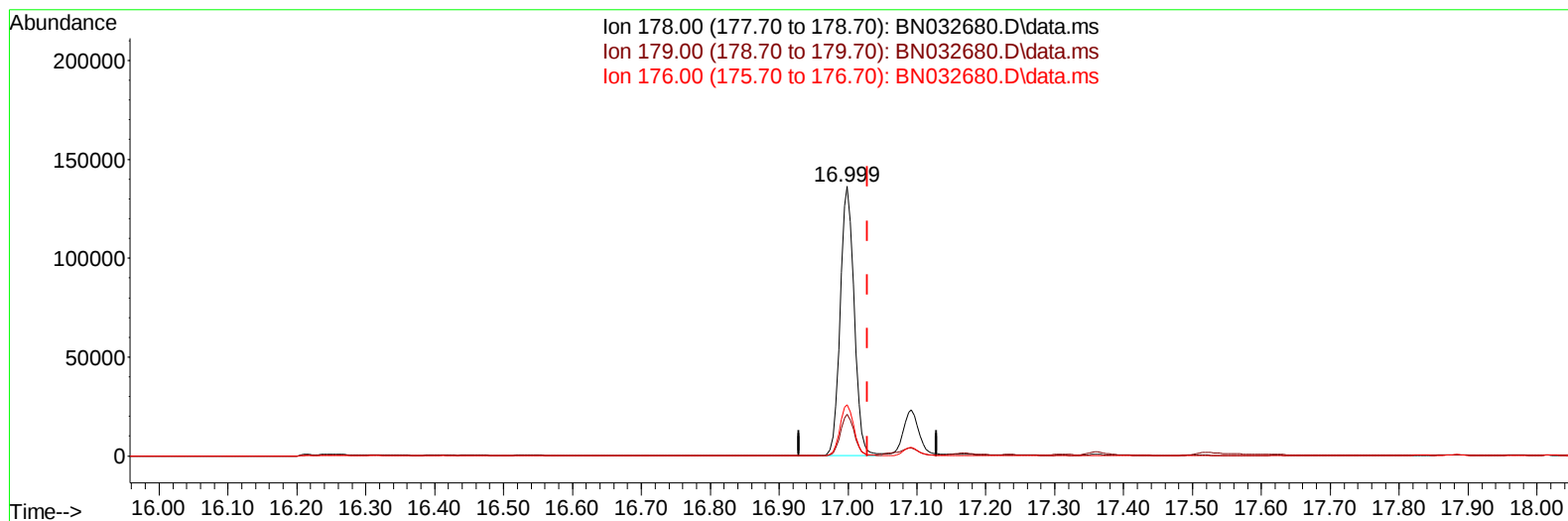
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(15) Phenanthrene

16.999min (-0.030) 4.37 ng/u1 m

response 191086

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.36
176.00	19.50	19.11
0.00	0.00	0.00

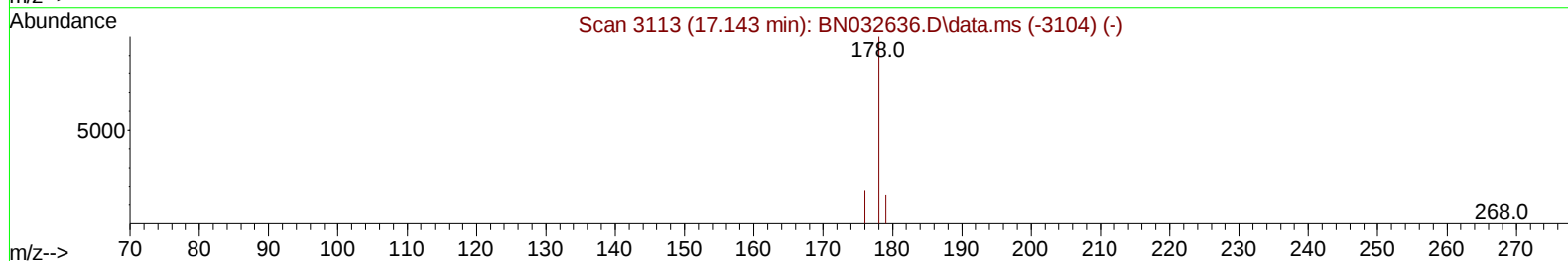
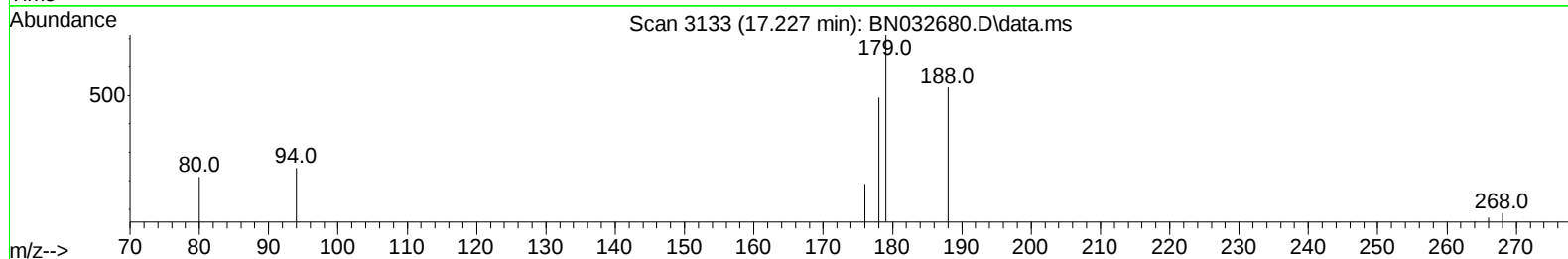
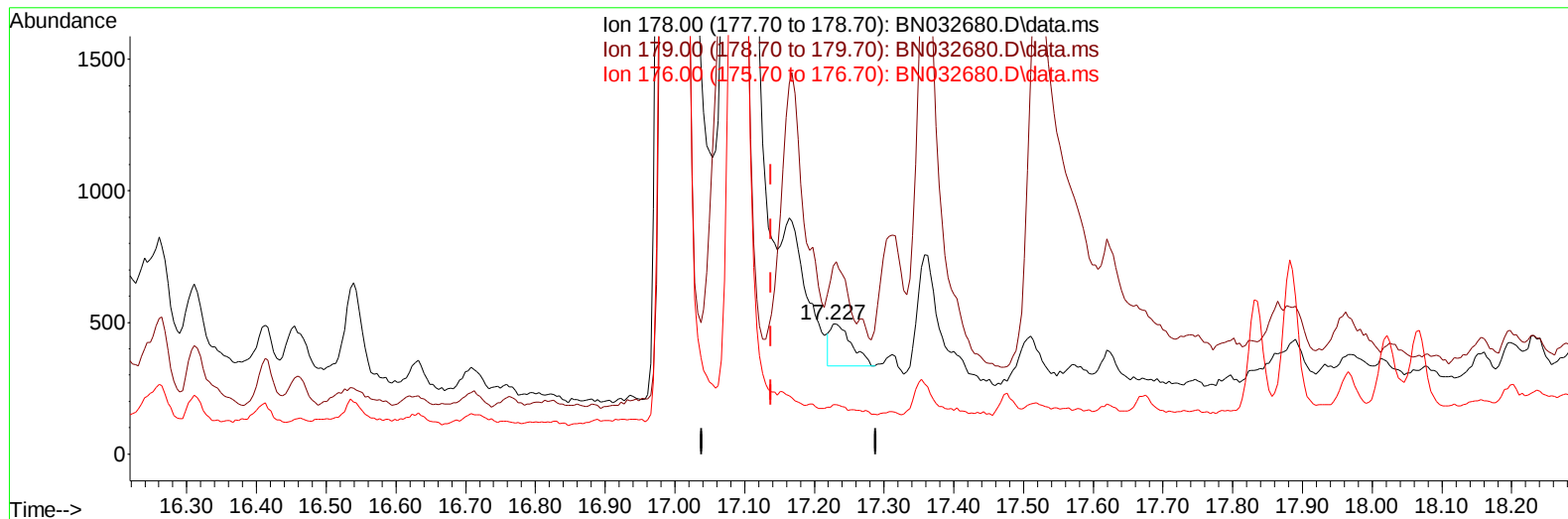
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 2024
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QLast Update : Fri Jul 12 01:40:24 2024
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Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032680.D\data.ms

(16) Anthracene

17.227min (+ 0.089) 0.01 ng/u1

response 340

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	144.62#
176.00	19.20	38.13#
0.00	0.00	0.00

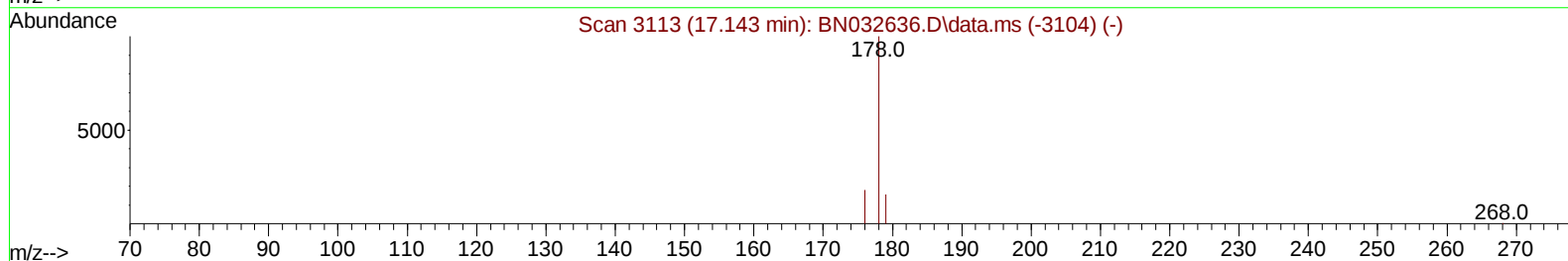
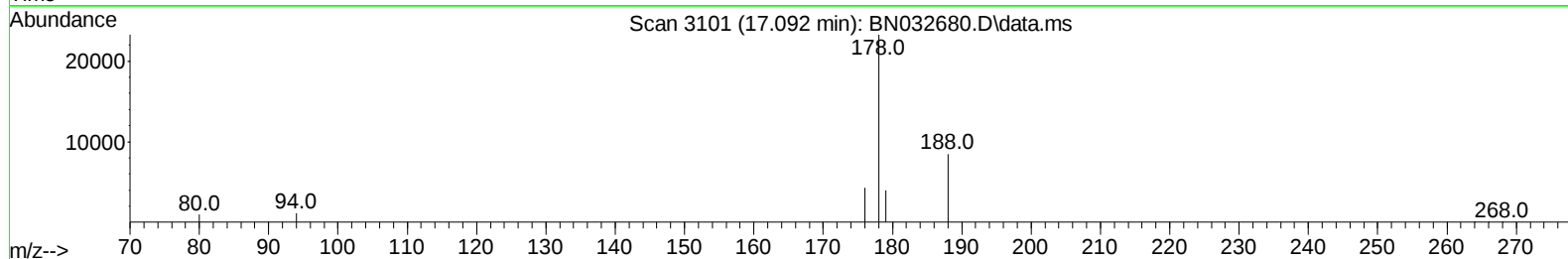
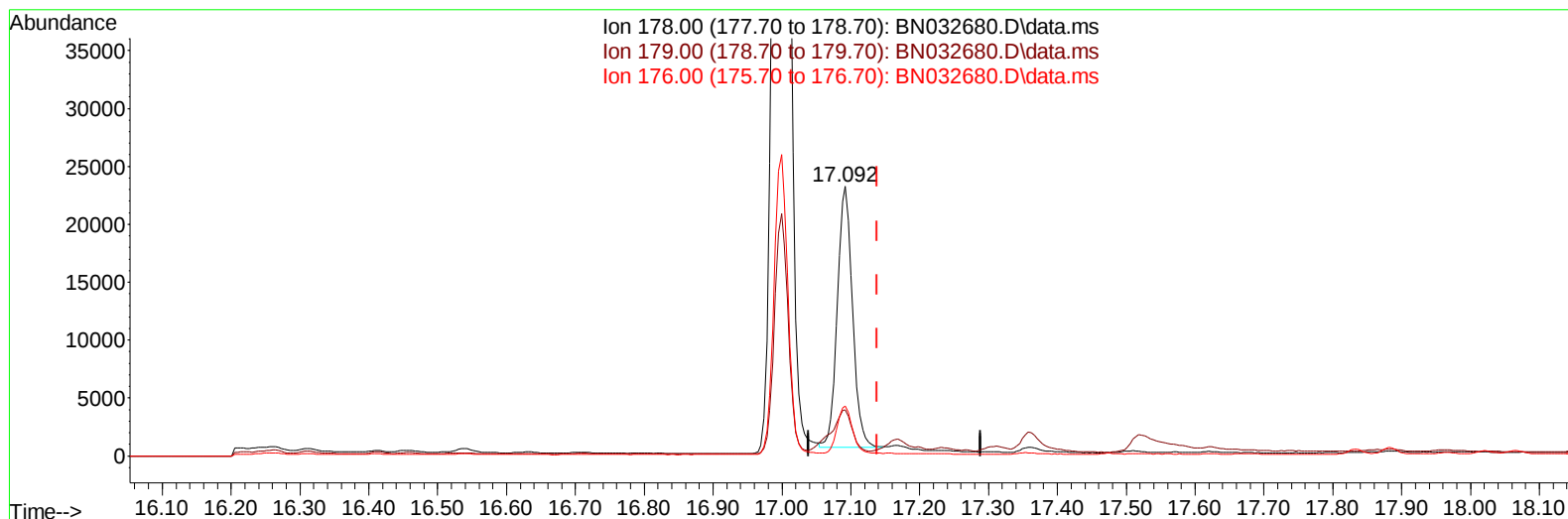
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(16) Anthracene

17.092min (-0.046) 0.96 ng/ul m

response 34333

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.17
176.00	19.20	18.63
0.00	0.00	0.00

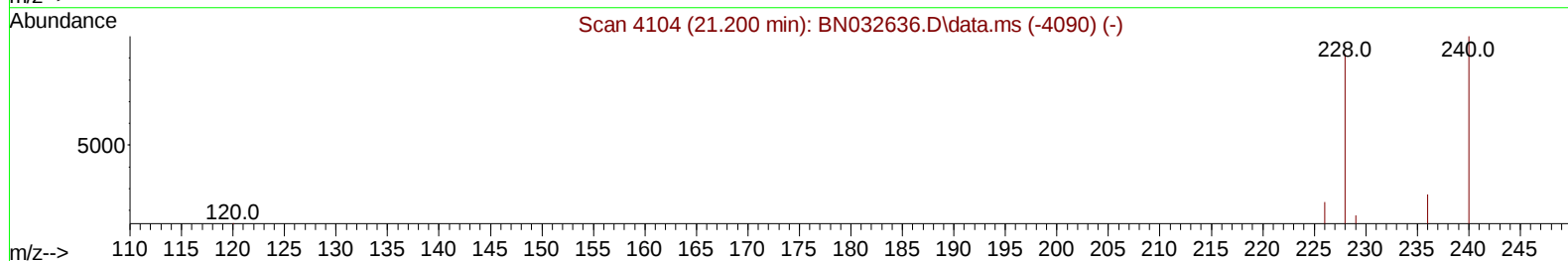
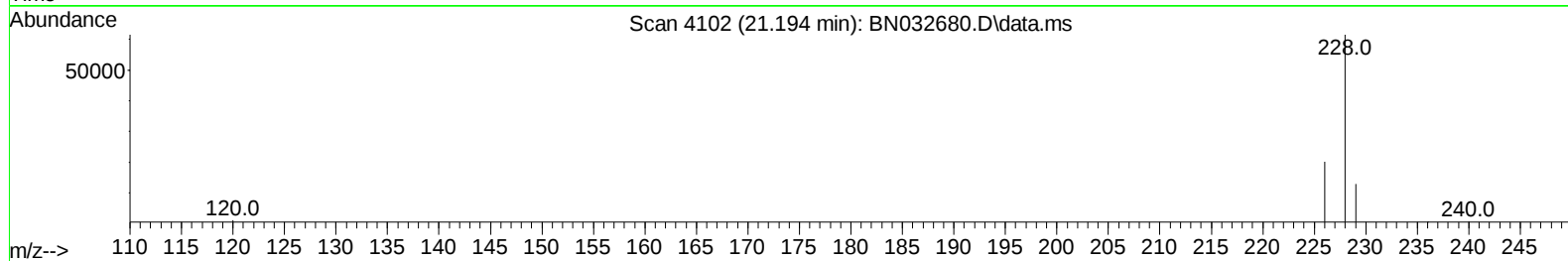
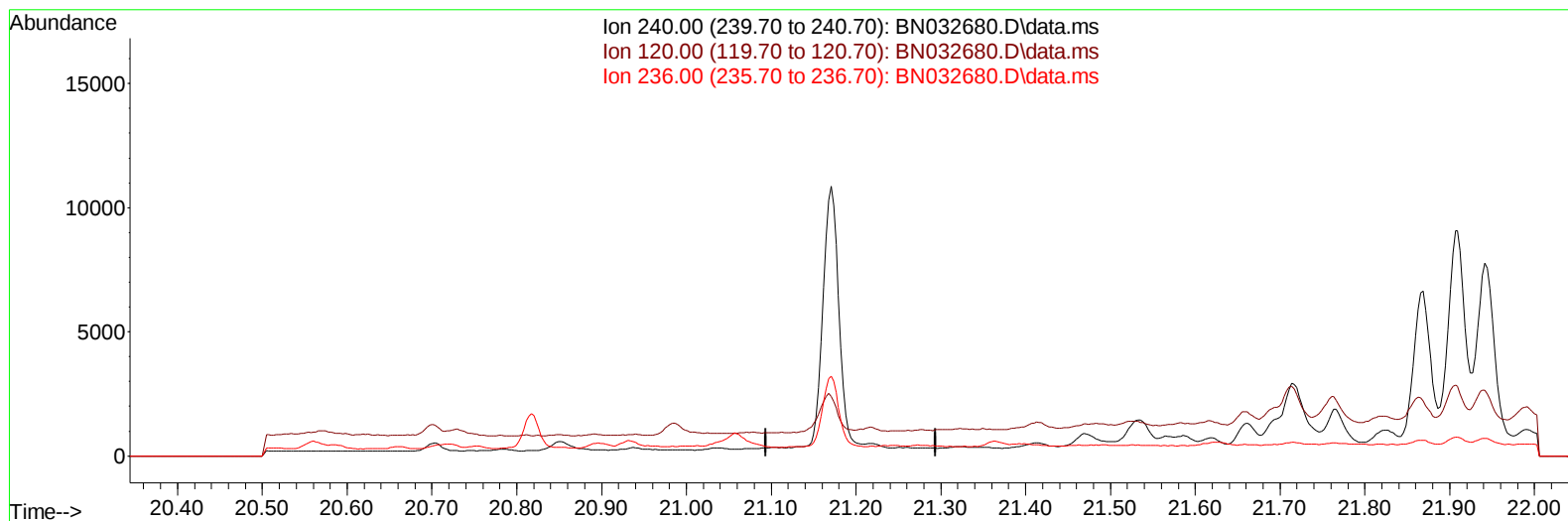
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.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

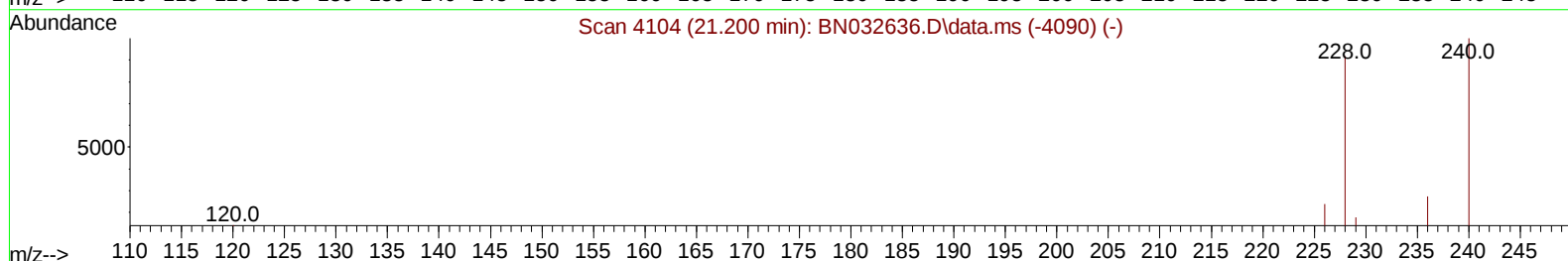
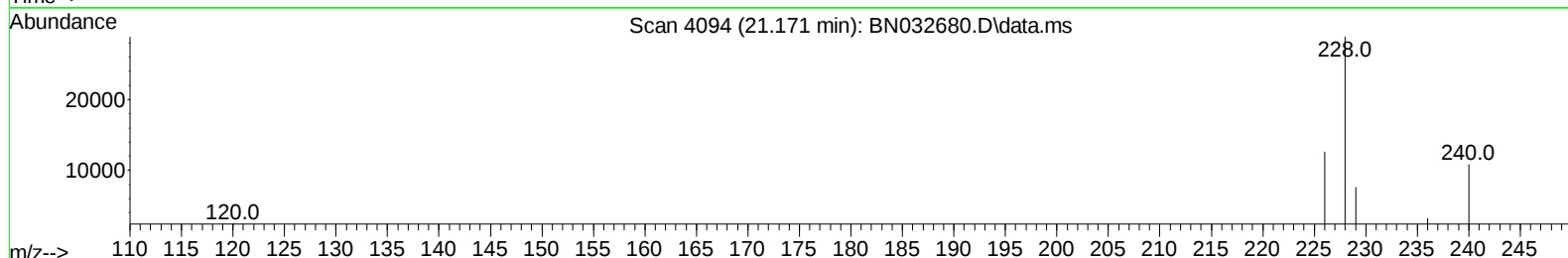
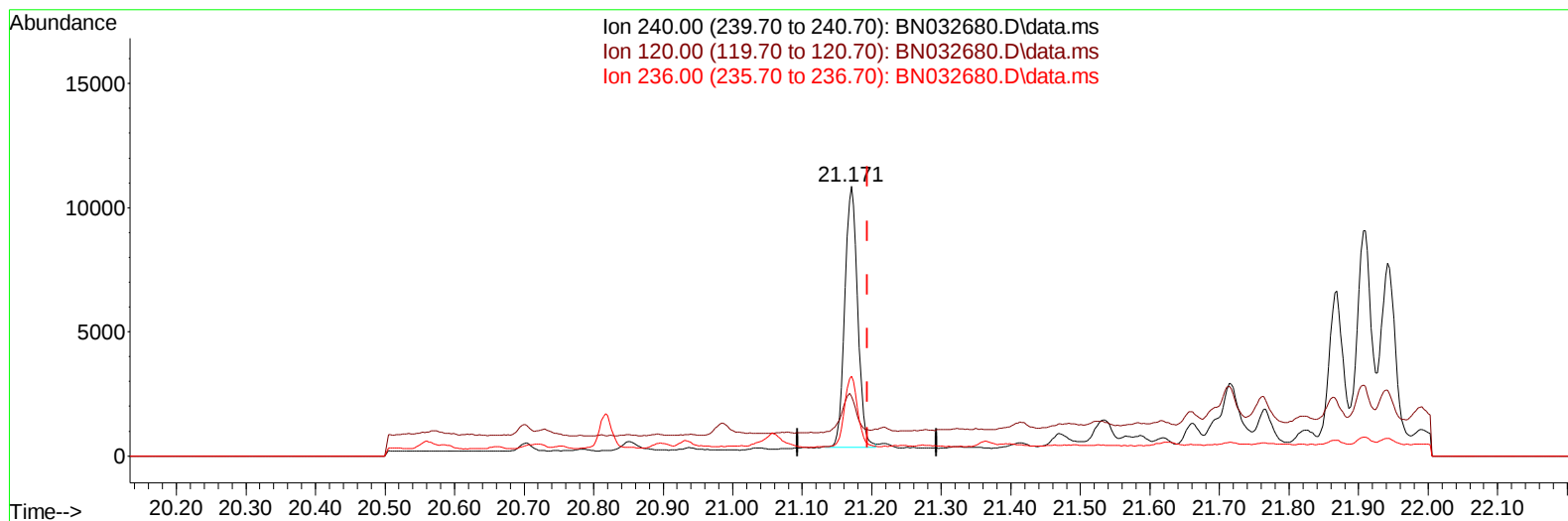
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(17) Chrysene-d12

21.171min (-0.023) 0.40 ng/ul m

response 13612

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	22.11#
236.00	28.40	29.69
0.00	0.00	0.00

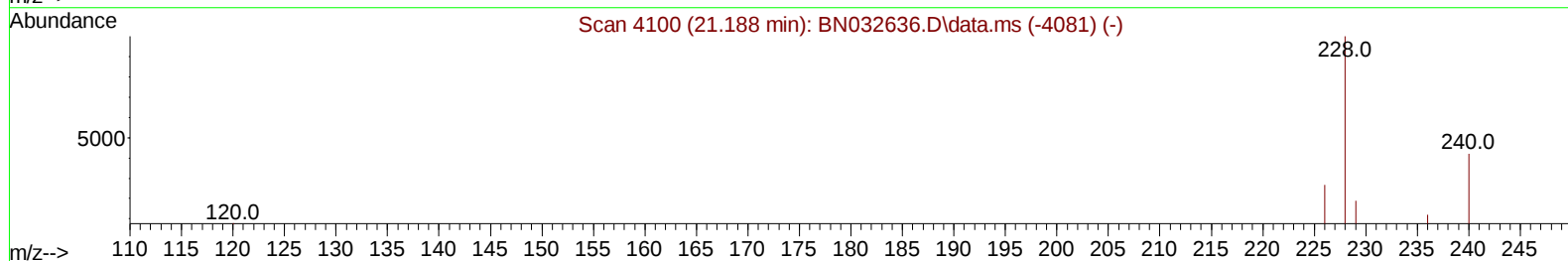
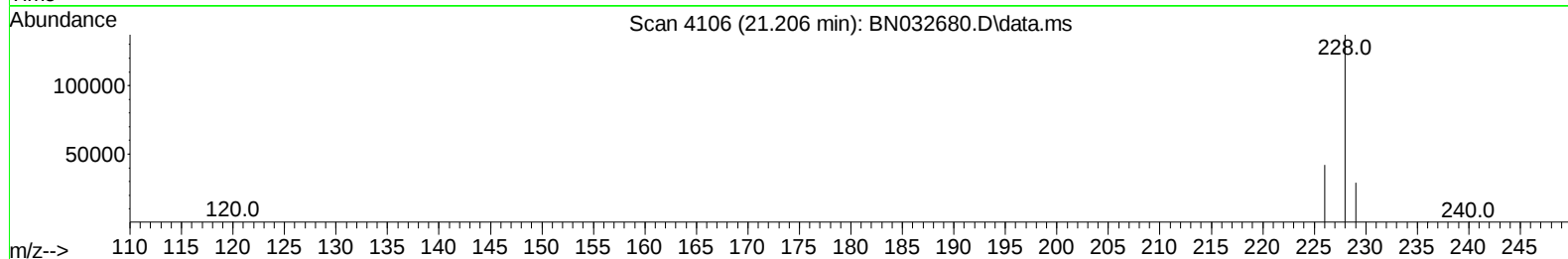
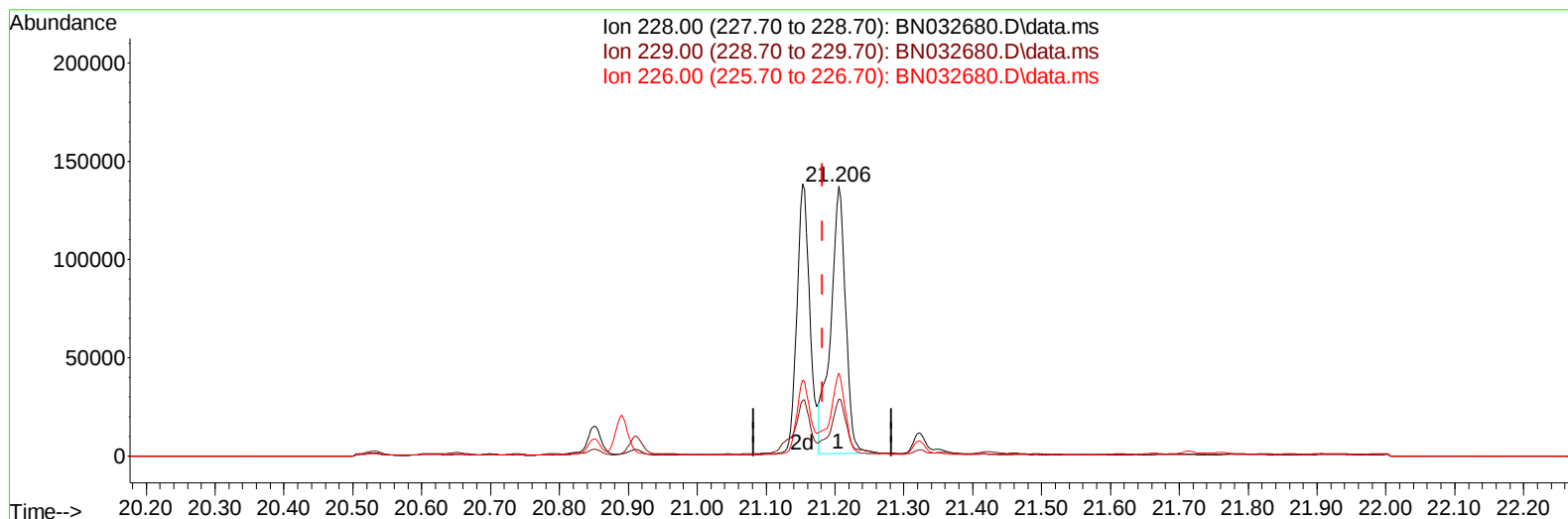
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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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TIC: BN032680.D\data.ms

(21) Benzo(a)anthracene

21.206min (+ 0.023) 4.76 ng/u1

response 206346

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.14
226.00	27.40	30.68
0.00	0.00	0.00

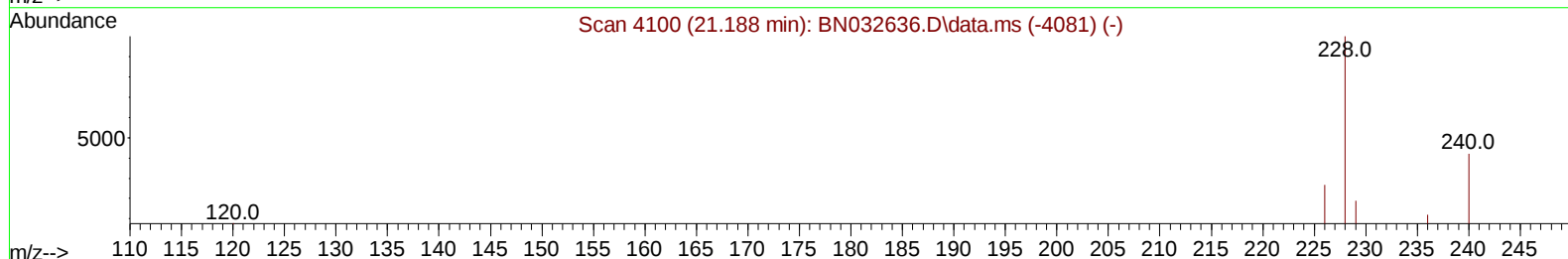
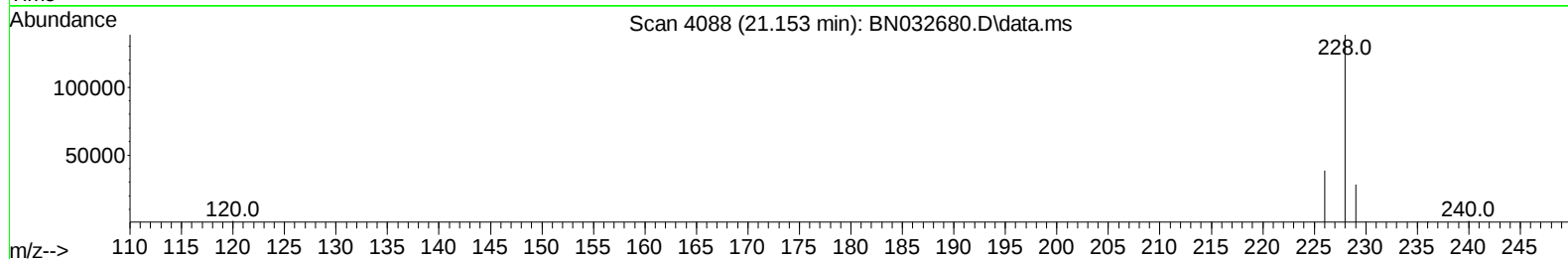
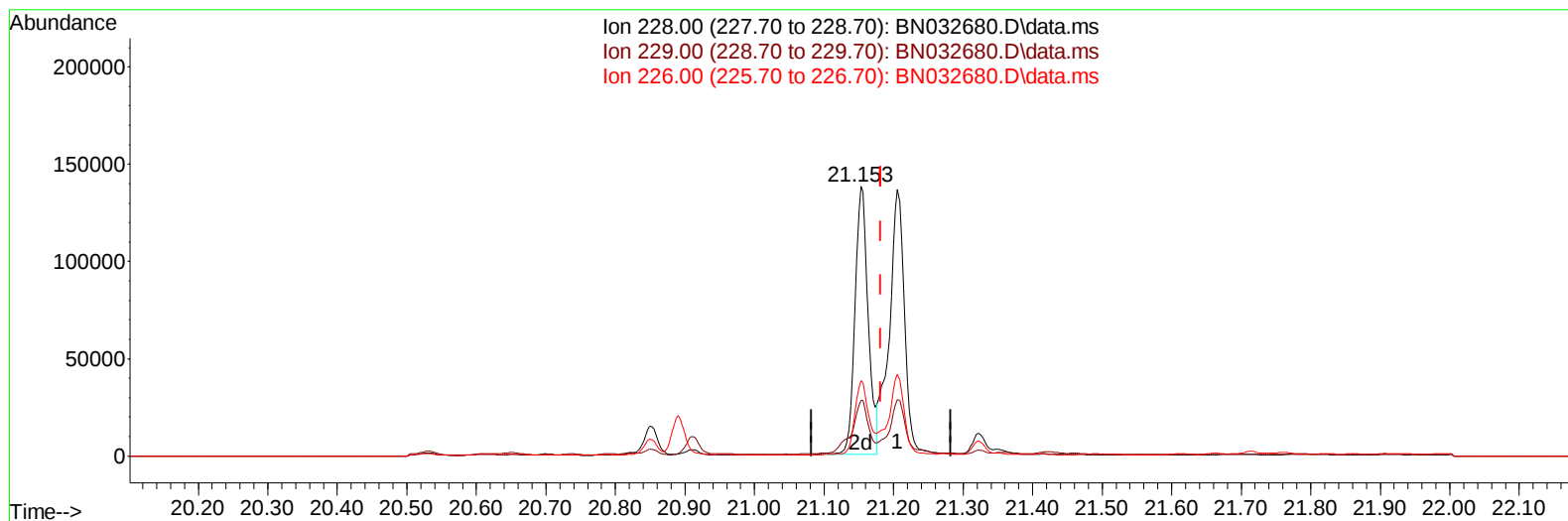
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(21) Benzo(a)anthracene

21.153min (-0.029) 4.20 ng/u1 m

response 182195

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	20.54
226.00	27.40	27.91
0.00	0.00	0.00

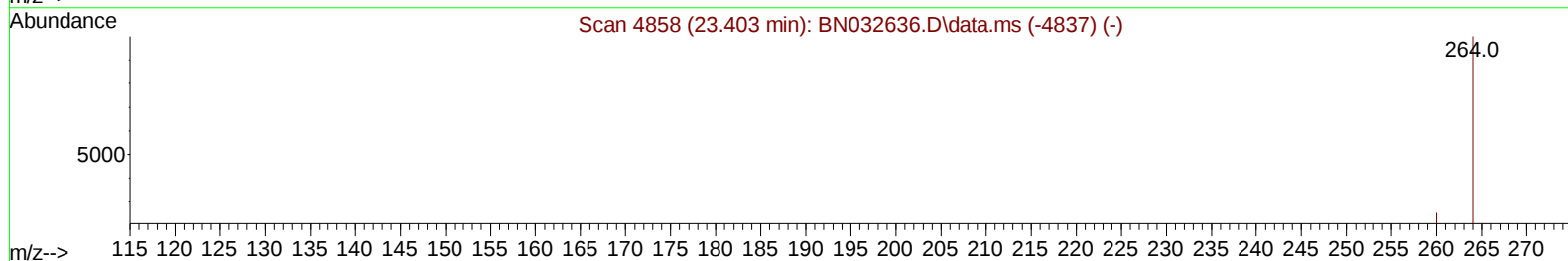
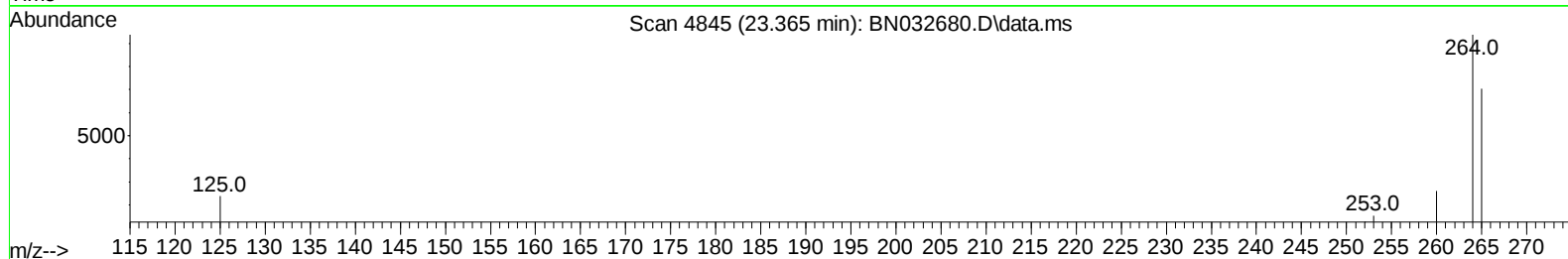
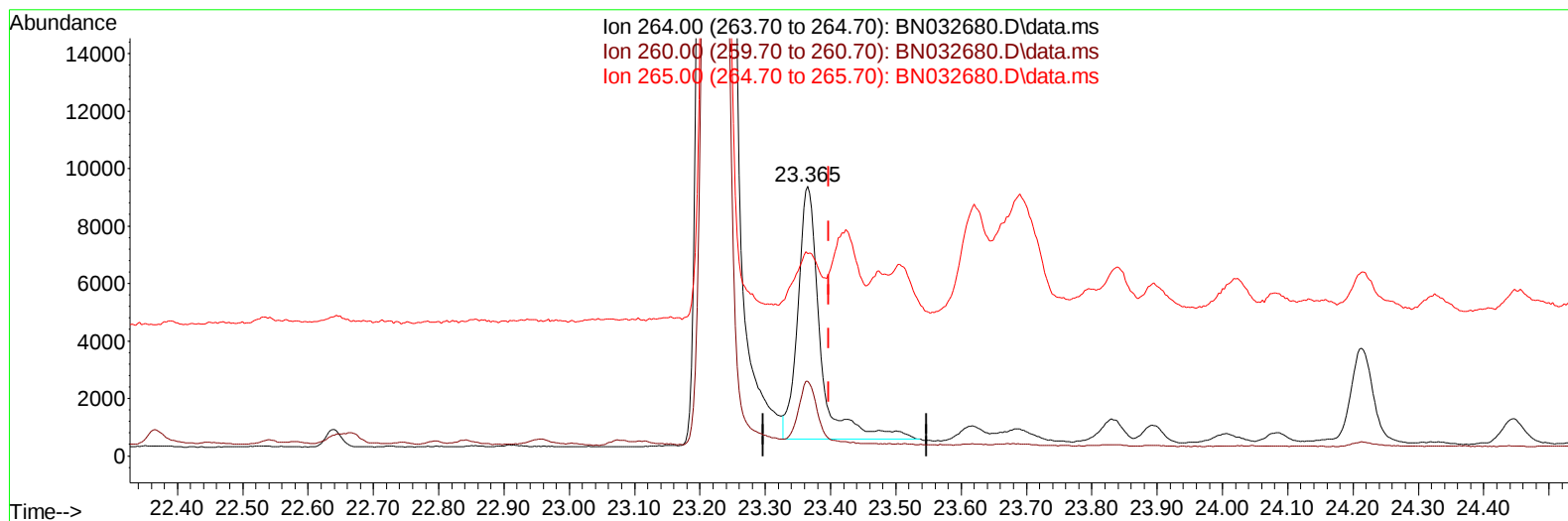
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

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TIC: BN032680.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/u1

response 21162

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.67
265.00	95.50	75.18#
0.00	0.00	0.00

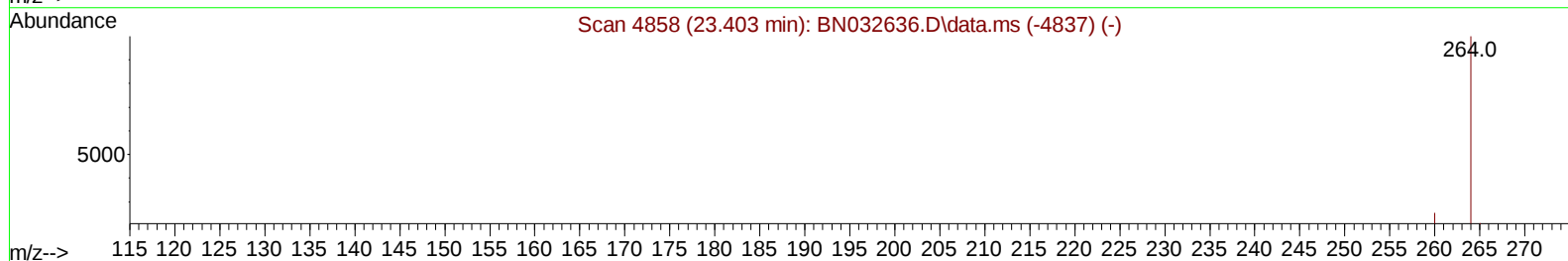
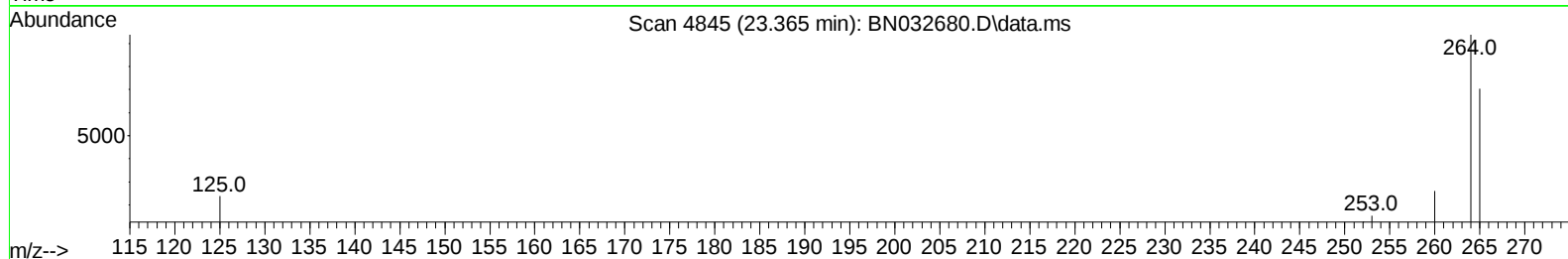
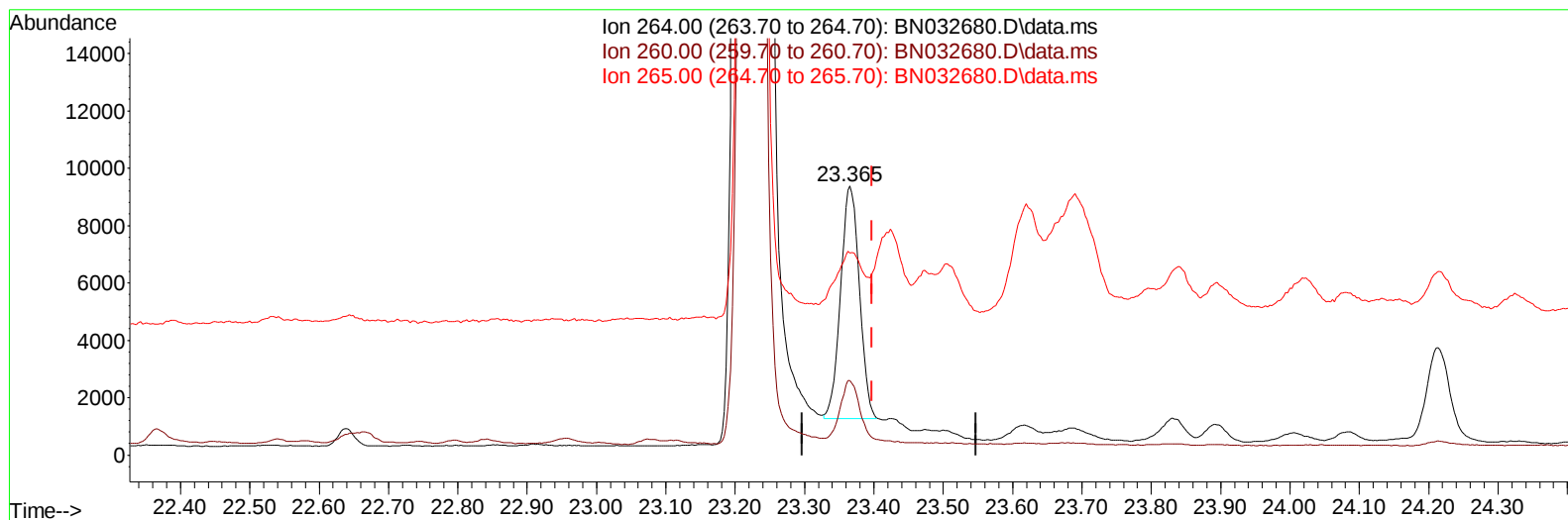
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
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Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

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

Quant Time: Jul 13 00:03:25 2024
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TIC: BN032680.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/ul m

response 15198

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.67
265.00	95.50	75.18#
0.00	0.00	0.00

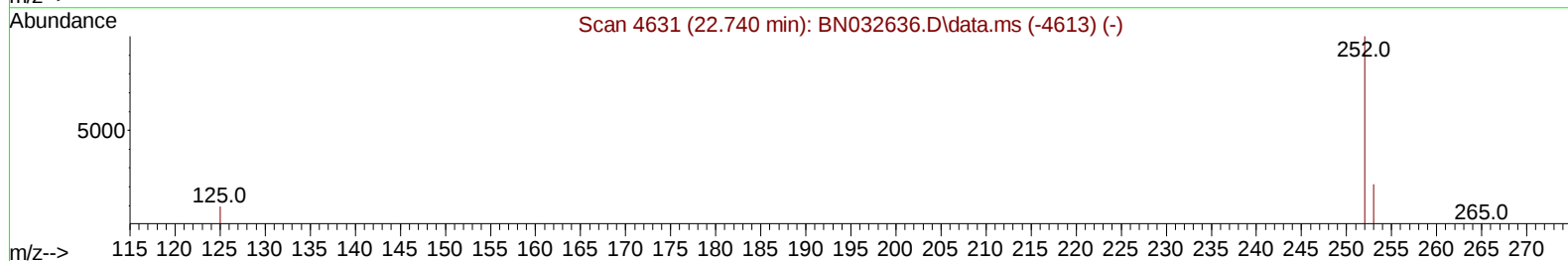
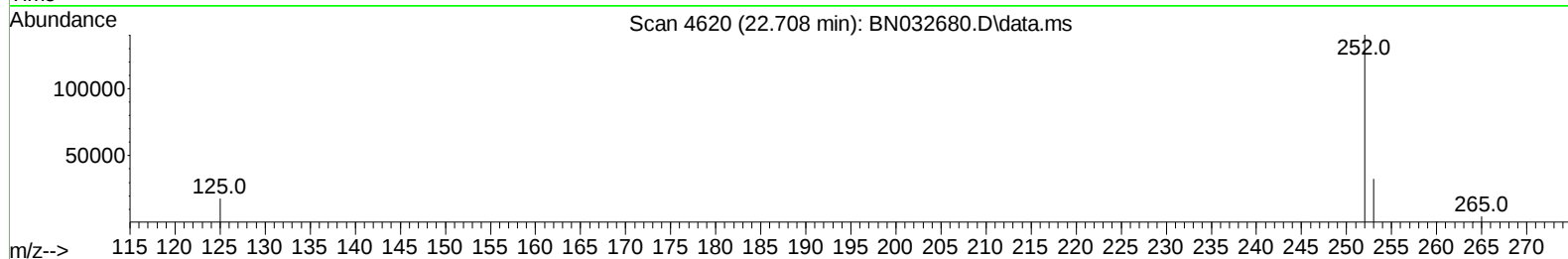
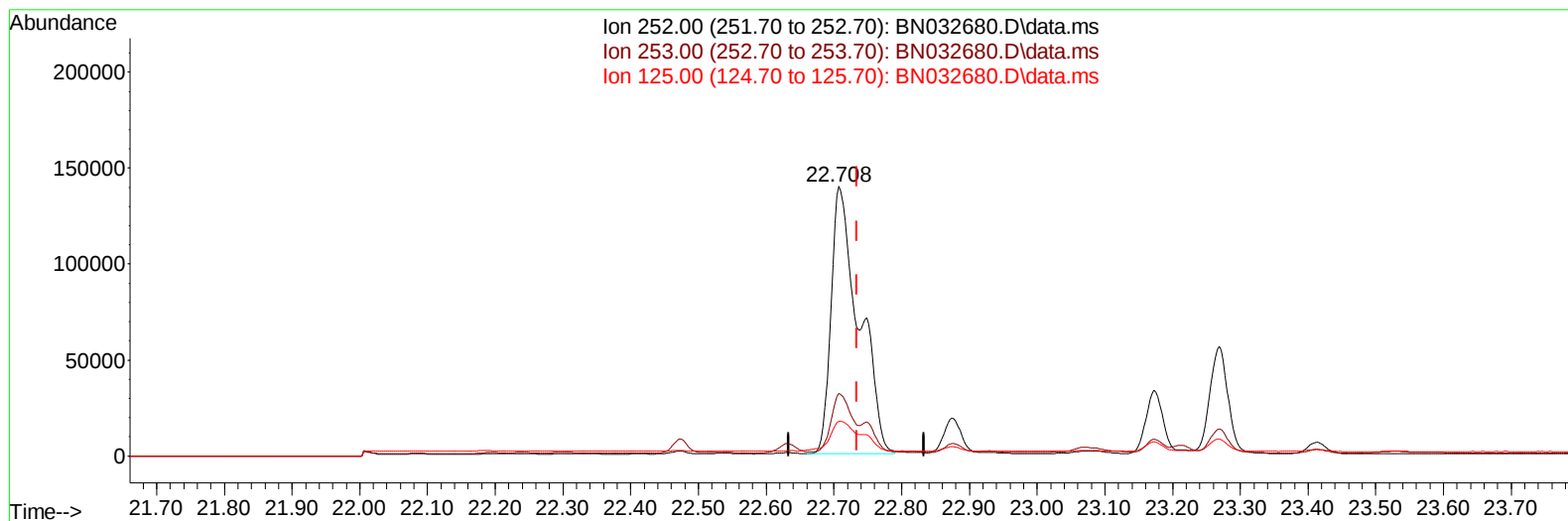
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 2024
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TIC: BN032680.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 7.40 ng/u1

response 396777

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.15
125.00	18.00	12.85
0.00	0.00	0.00

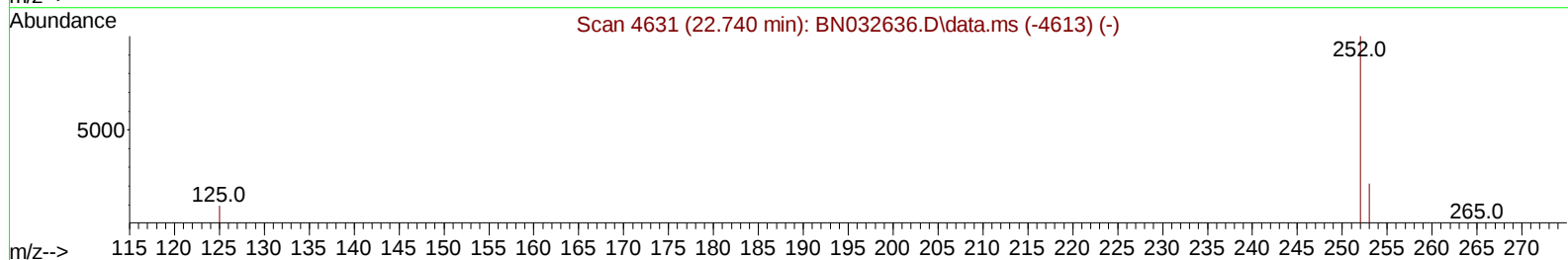
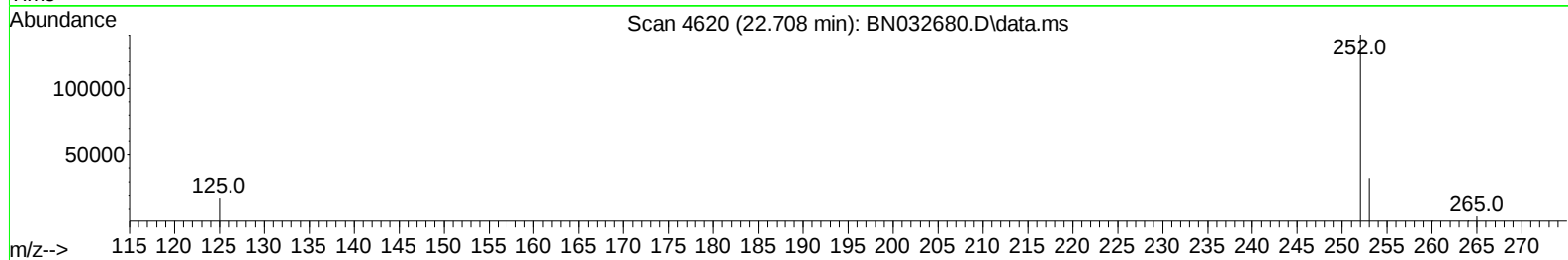
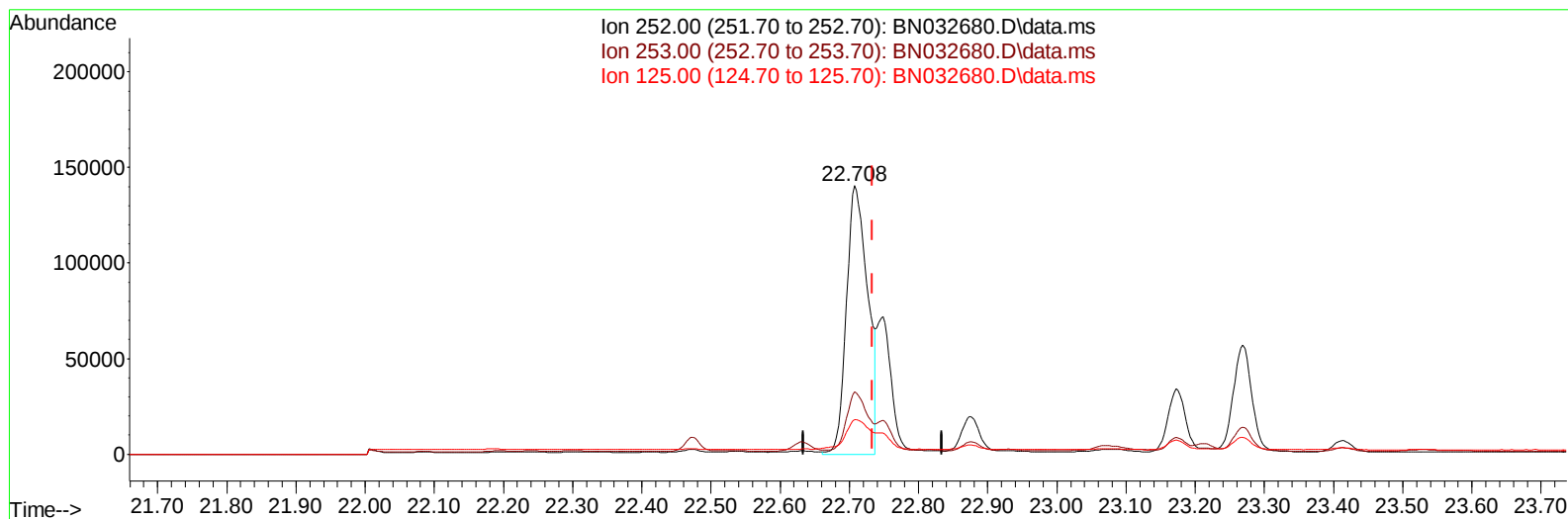
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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: BN032680.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 5.61 ng/u1 m

response 301074

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.15
125.00	18.00	12.85
0.00	0.00	0.00

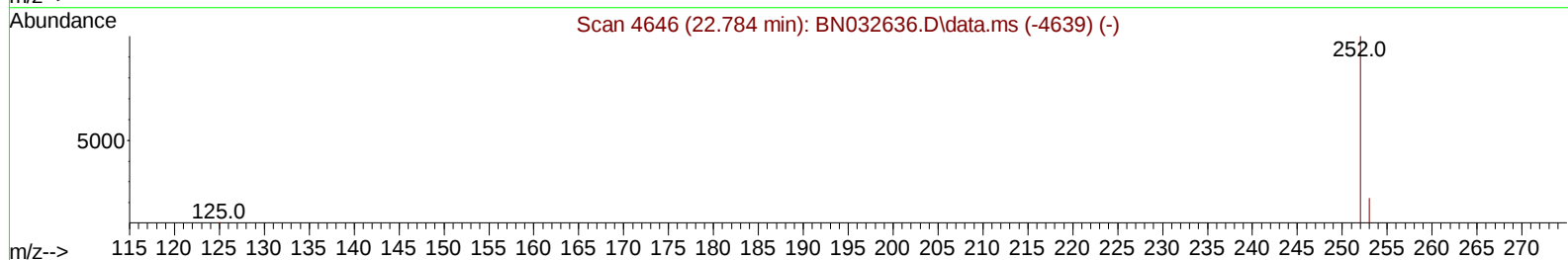
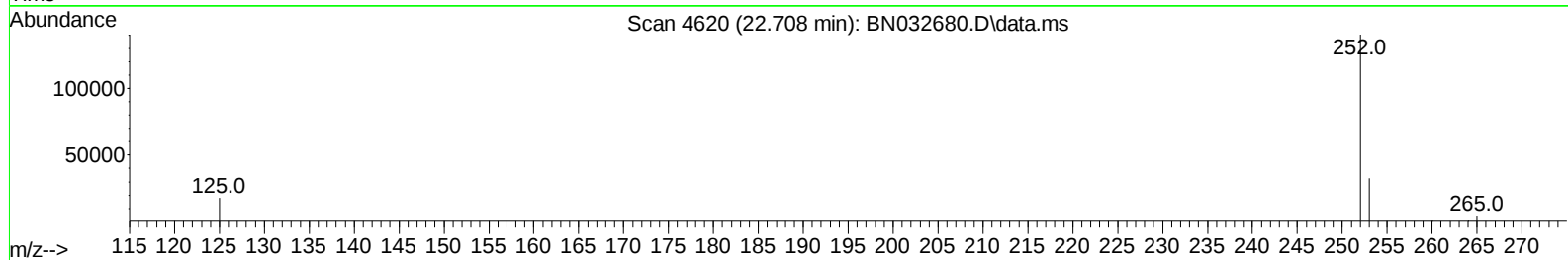
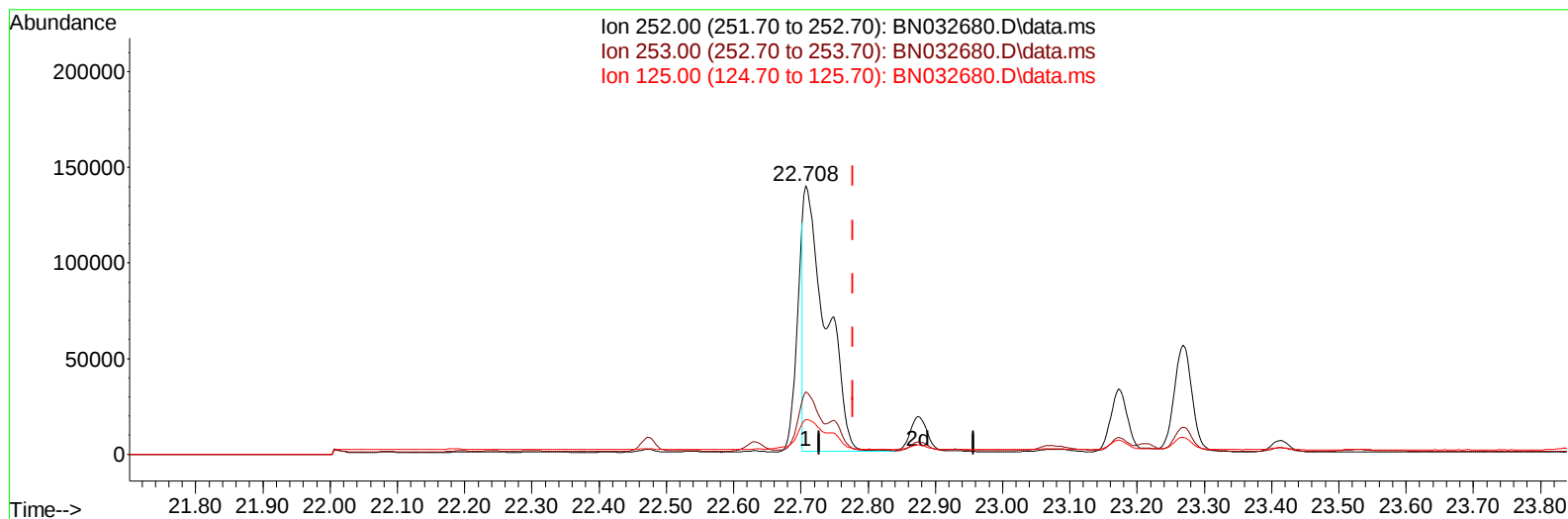
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/16/2024



TIC: BN032680.D\data.ms

(25) Benzo(k)fluoranthene

22.708min (-0.070) 4.85 ng/u1

response 317184

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	23.15
125.00	18.50	12.85#
0.00	0.00	0.00

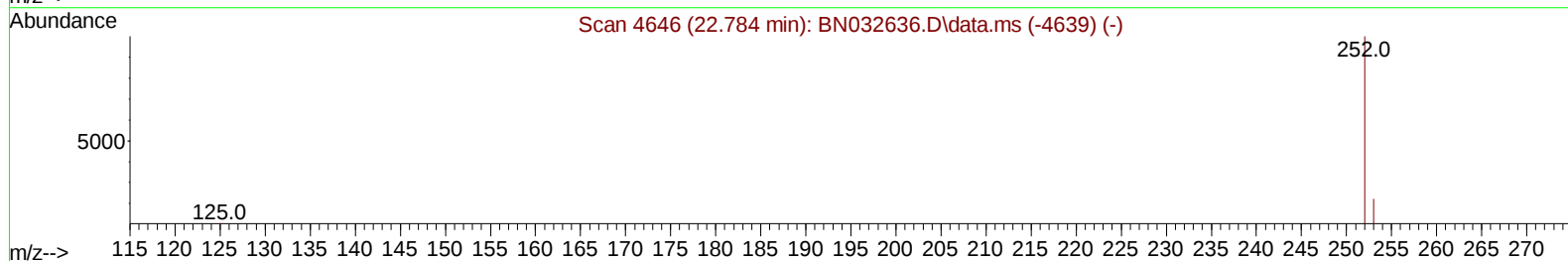
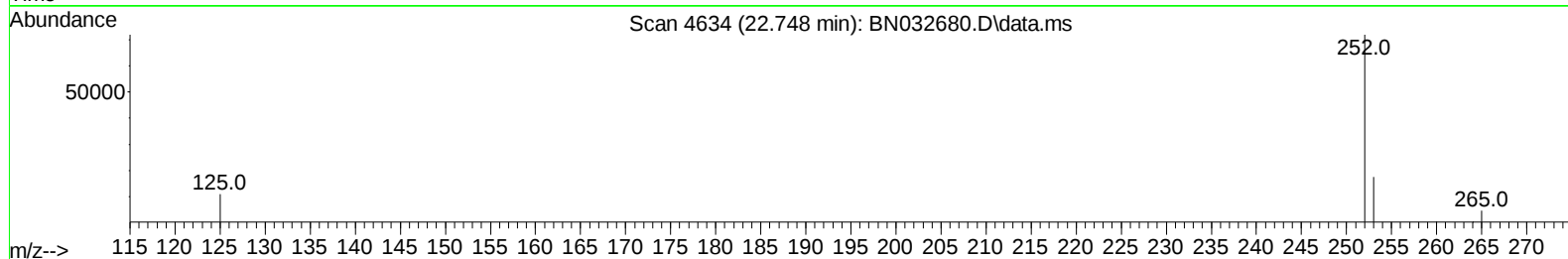
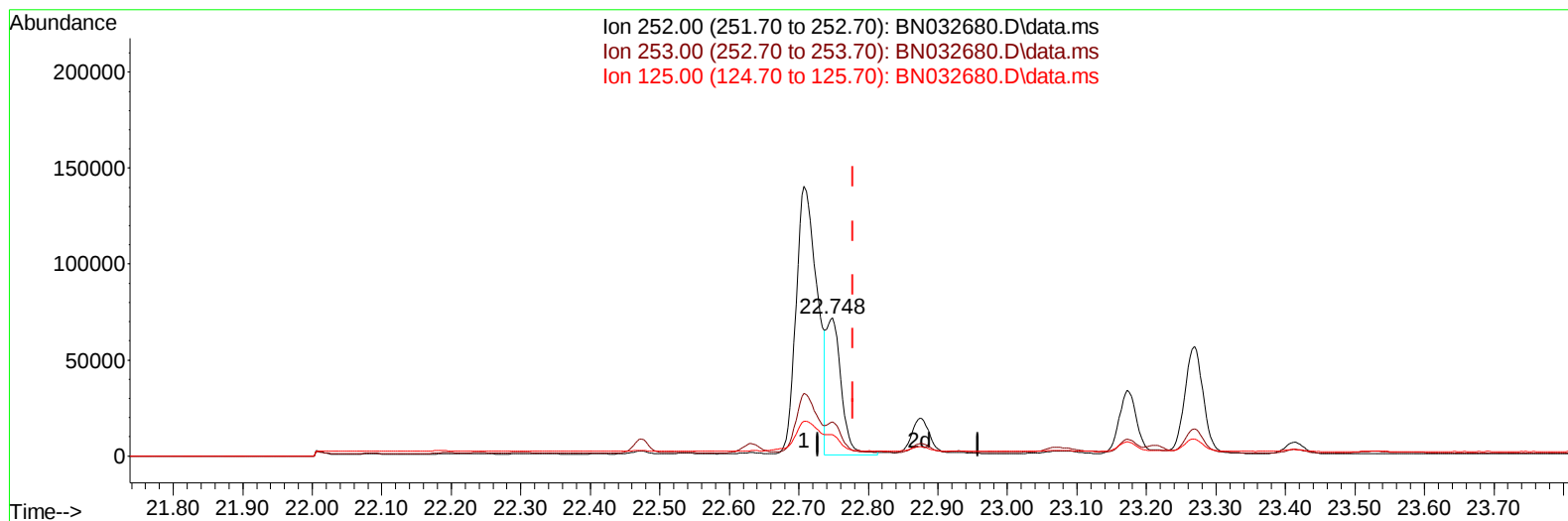
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032680.D
Acq On : 12 Jul 2024 19:48
Operator : MA/JU
Sample : P3087-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BQ8

Manual IntegrationsAPPROVED

Quant Time: Jul 13 00:03:25 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
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Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032680.D\data.ms

(25) Benzo(k)fluoranthene

22.748min (-0.029) 1.61 ng/u1 m

response 105182

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.46
125.00	18.50	15.33
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032680.D
 Acq On : 12 Jul 2024 19:48
 Operator : MA/JU
 Sample : P3087-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BQ8

Manual IntegrationsAPPROVED

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

Quant Time: Jul 13 00:03:25 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152		5532	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136		16140	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164		8632	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.957	188		16043m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240		13612m	0.400	ng/ul	-0.02
23) Perylene-d12	23.365	264		15198m	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.101	96		22064	3.322	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152		5677	0.233	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212		10696	0.241	ng/ul	-0.03
Target Compounds							
							Qvalue
5) Naphthalene	10.371	128		8155	0.188	ng/ul	99
7) 2-Methylnaphthalene	12.004	142		2492	0.092	ng/ul	96
8) 1-Methylnaphthalene	12.224	142		1963	0.070	ng/ul	99
10) Acenaphthylene	13.920	152		10751	0.308	ng/ul	98
11) Acenaphthene	14.262	153		7793	0.270	ng/ul	99
12) Fluorene	15.257	166		9502	0.288	ng/ul	99
15) Phenanthrene	16.999	178		191086m	4.373	ng/ul	
16) Anthracene	17.092	178		34333m	0.962	ng/ul	
19) Fluoranthene	19.027	202		405893	7.334	ng/ul	98
20) Pyrene	19.394	202		288841	5.042	ng/ul	98
21) Benzo(a)anthracene	21.153	228		182195m	4.205	ng/ul	
22) Chrysene	21.206	228		207475	3.310	ng/ul	98
24) Benzo(b)fluoranthene	22.708	252		301074m	5.615	ng/ul	
25) Benzo(k)fluoranthene	22.748	252		105182m	1.610	ng/ul	
26) Benzo(a)pyrene	23.269	252		104277	2.247	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.572	276		103040	1.640	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.569	278		35710	0.733	ng/ul#	92
29) Benzo(g,h,i)perylene	26.253	276		14279	0.272	ng/ul#	83

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

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Data File : BN032680.D
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Instrument :
BNA_N
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Manual IntegrationsAPPROVED

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