

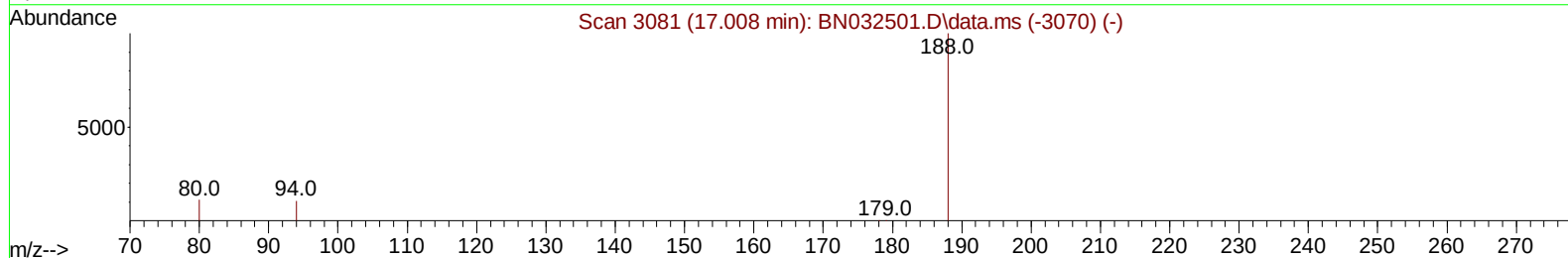
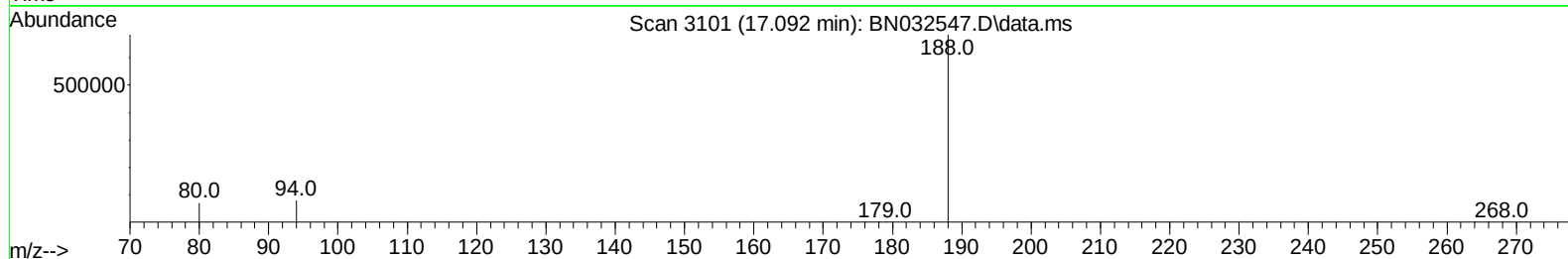
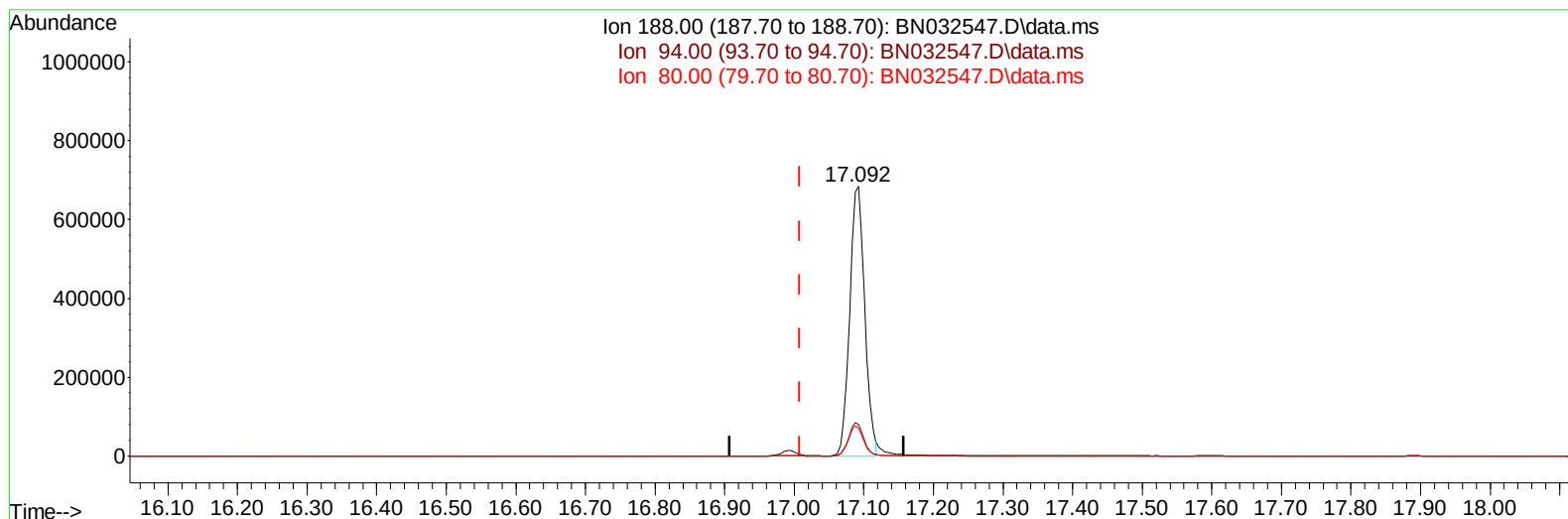
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(13) Phenanthrene-d10 (I)

17.092min (+ 0.084) 0.40 ng/ul

response 1022541

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.70
80.00	10.50	10.30
0.00	0.00	0.00

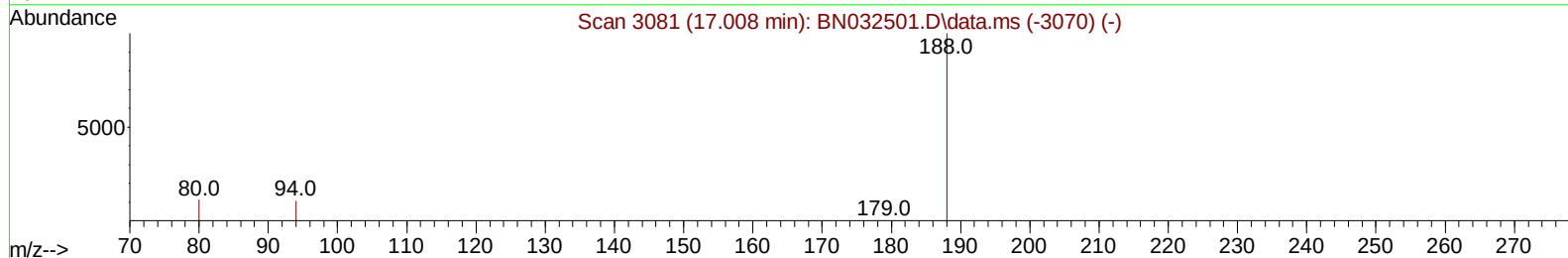
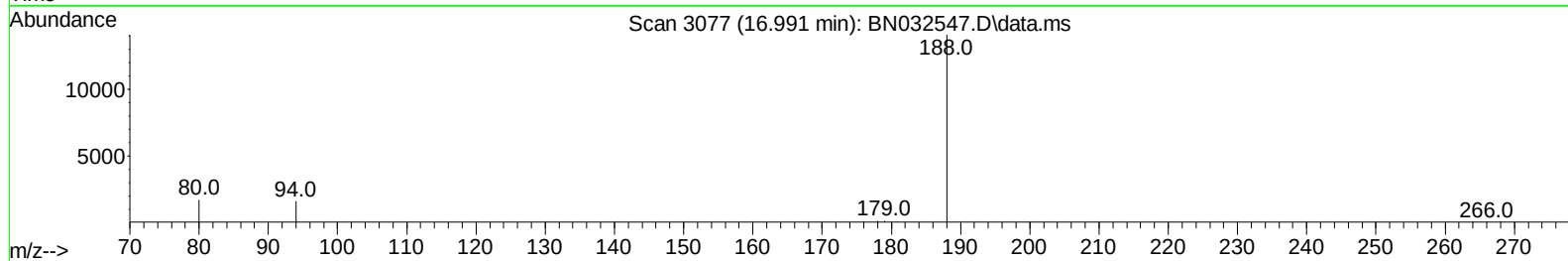
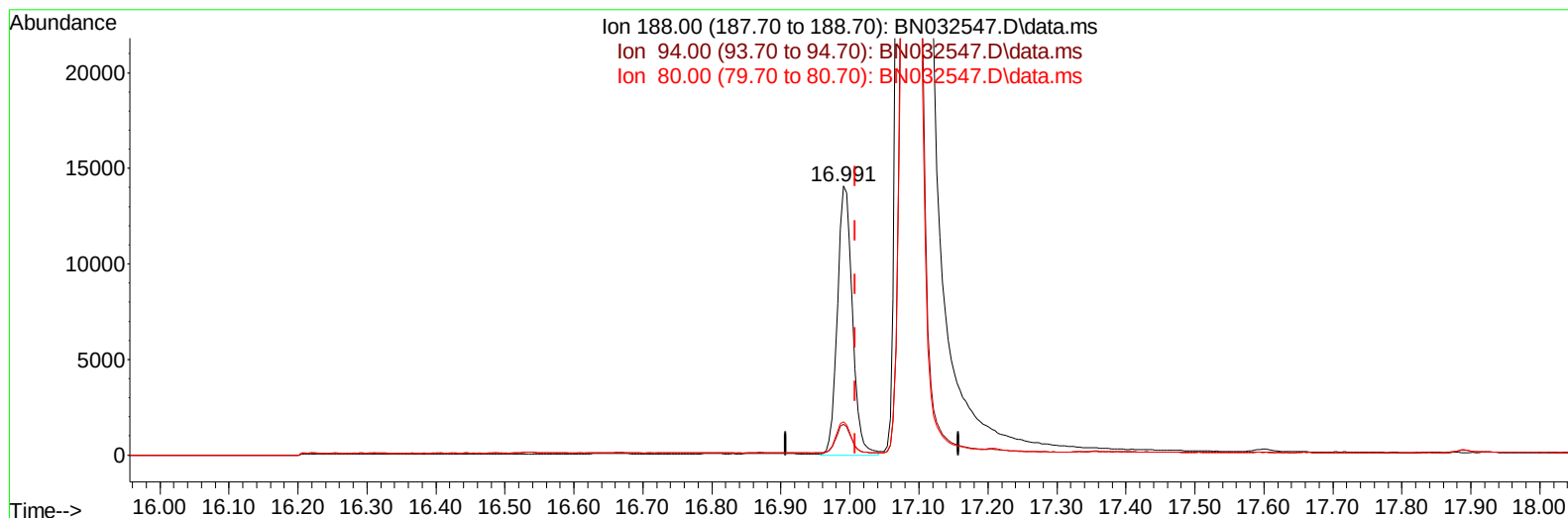
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(13) Phenanthrene-d10 (I)

16.991min (-0.017) 0.40 ng/ul m

response 21216

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.44
80.00	10.50	12.32
0.00	0.00	0.00

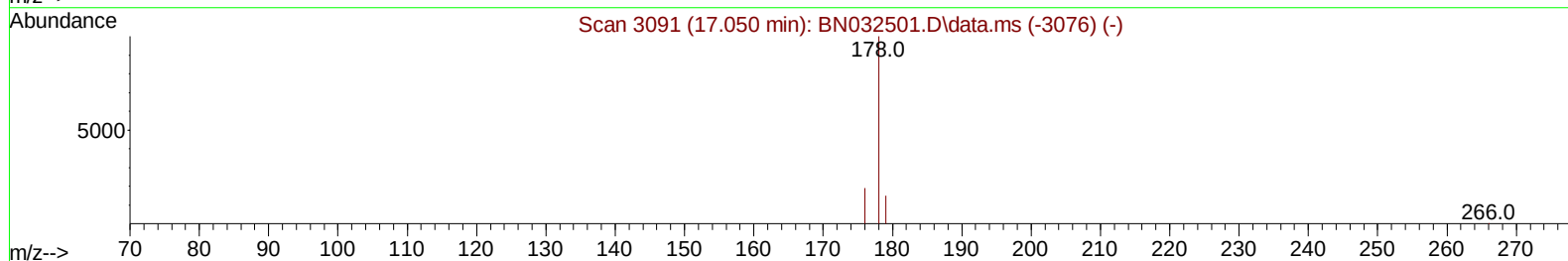
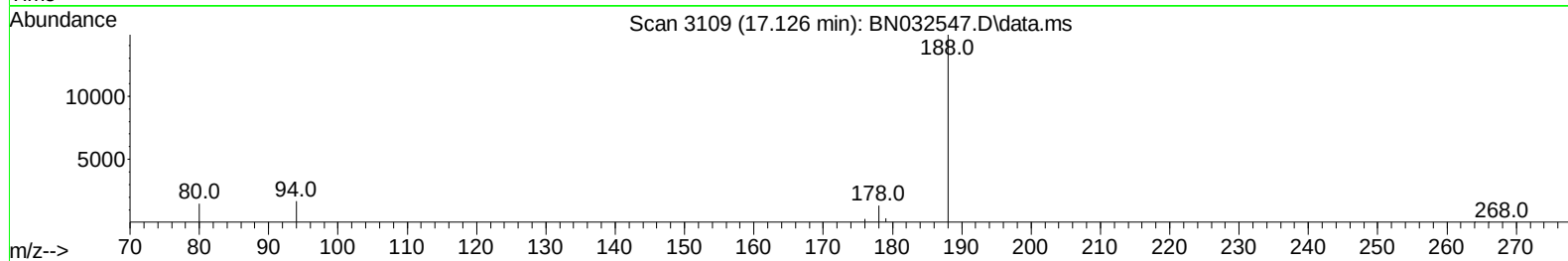
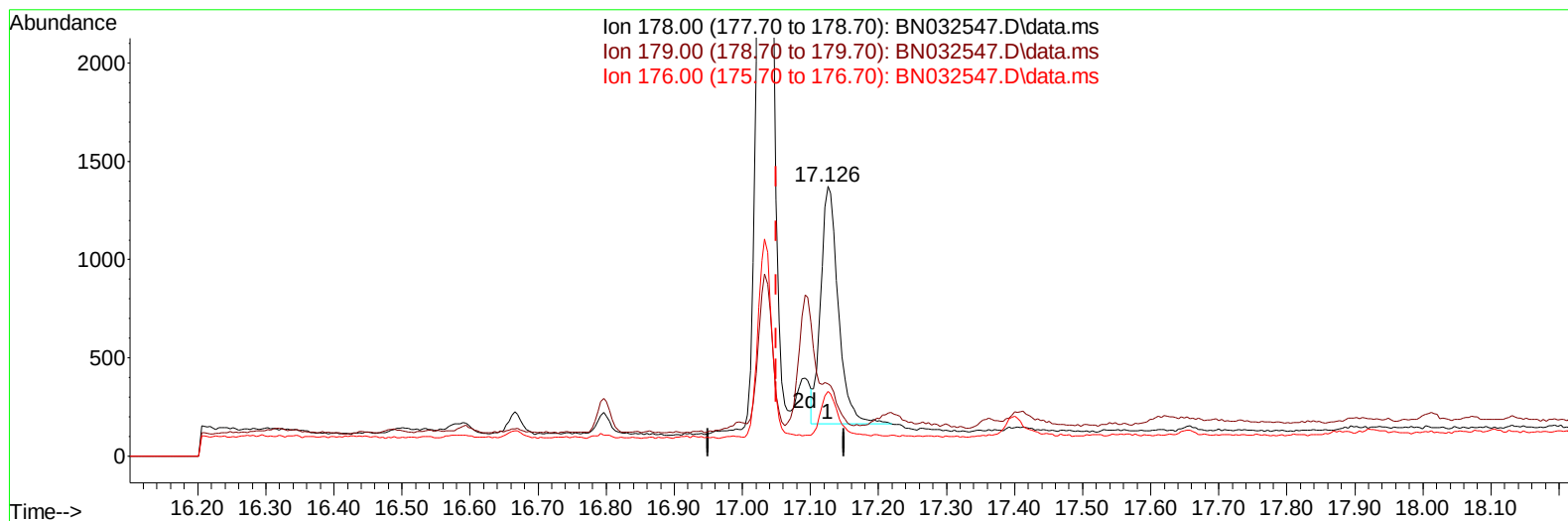
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
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TIC: BN032547.D\data.ms

(15) Phenanthrene

17.126min (+ 0.076) 0.04 ng/ul

response 2171

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	26.90#
176.00	19.50	23.91#
0.00	0.00	0.00

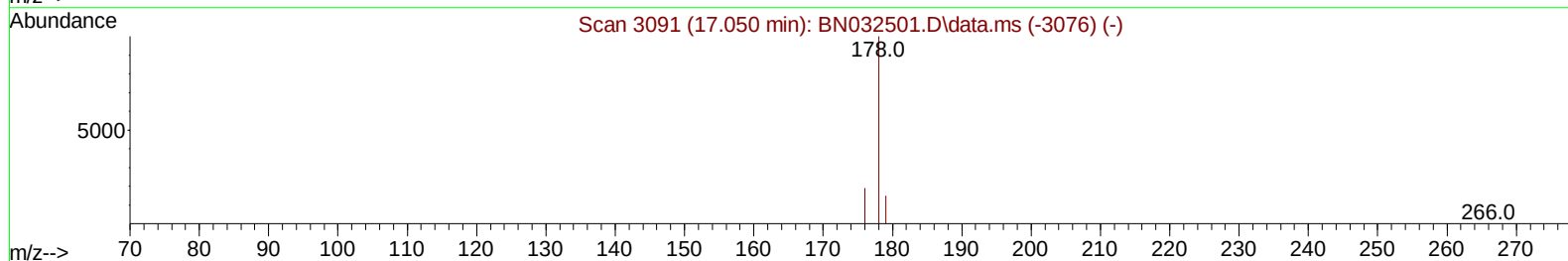
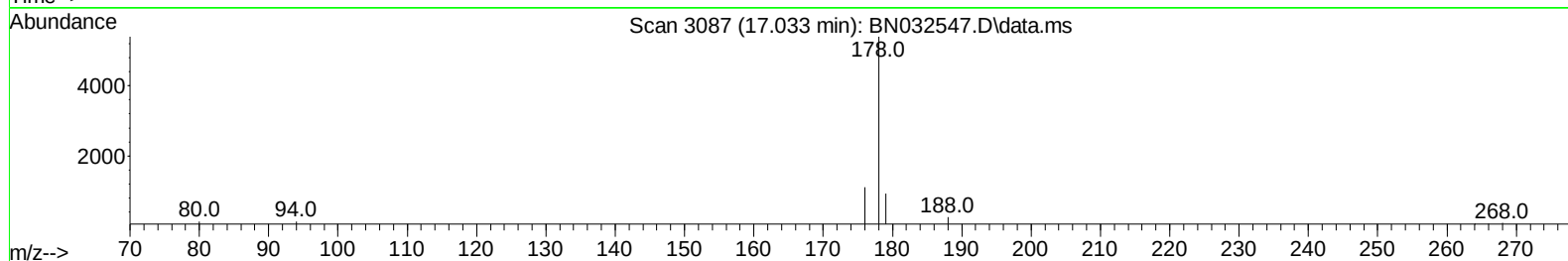
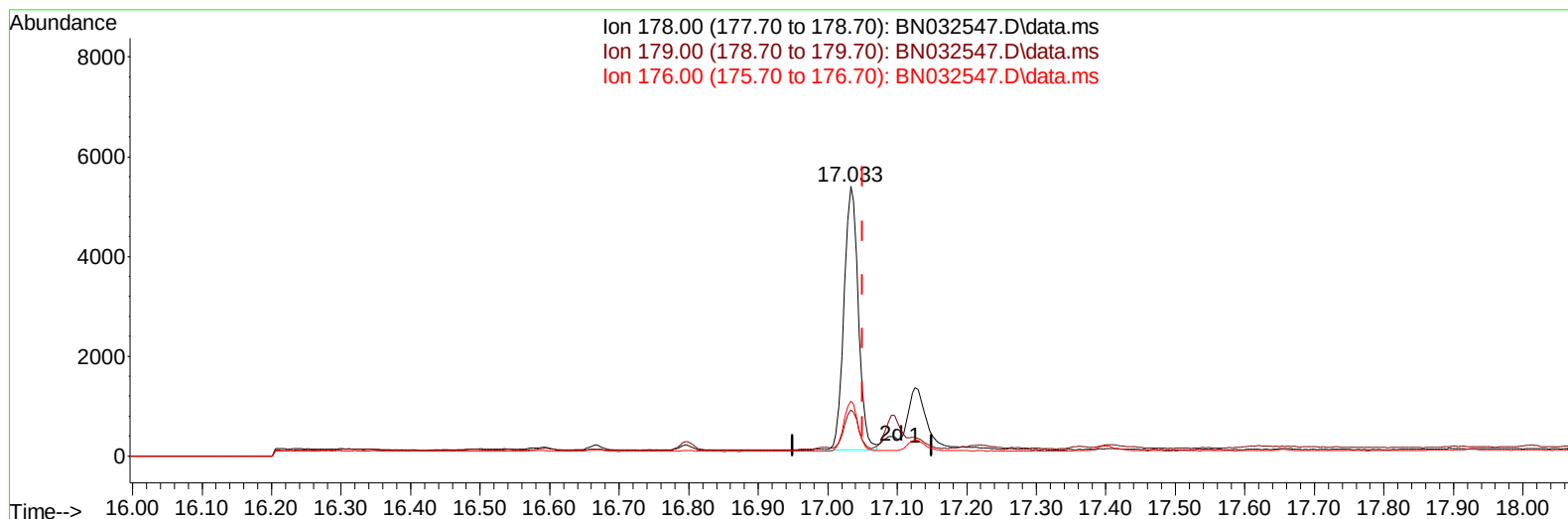
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(15) Phenanthrene

17.033min (-0.017) 0.13 ng/ul m

response 7566

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	17.18
176.00	19.50	20.47
0.00	0.00	0.00

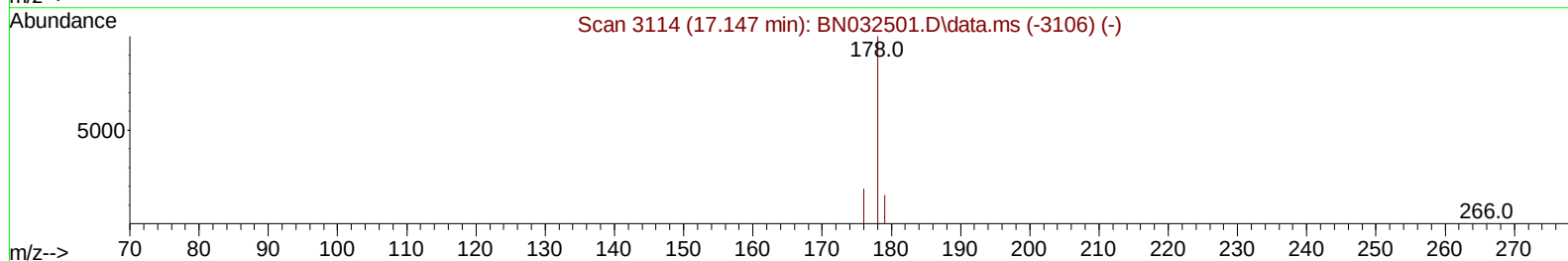
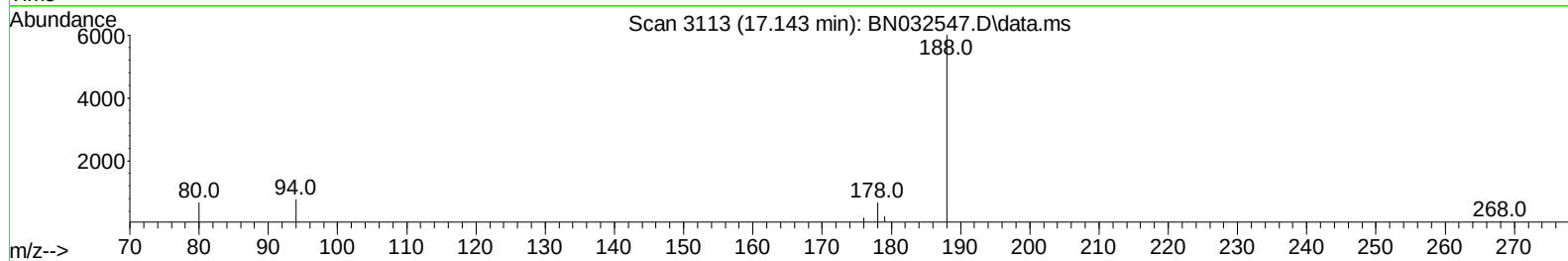
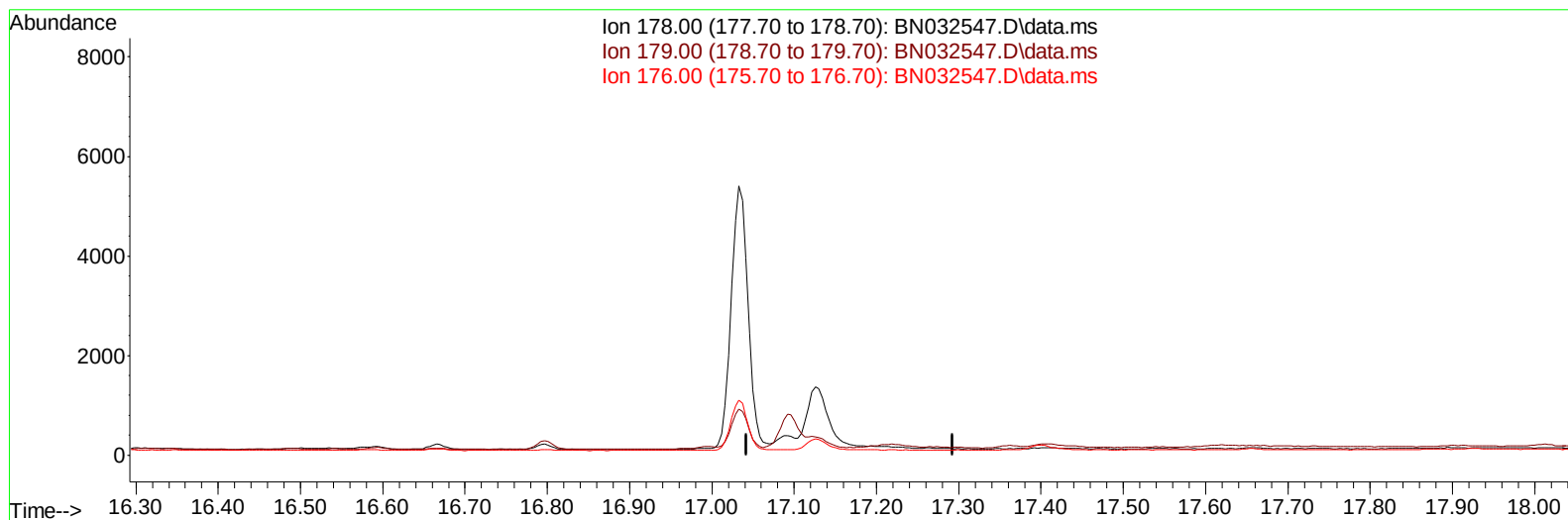
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(16) Anthracene

17.143min (-17.143) 0.00 ng/ul

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

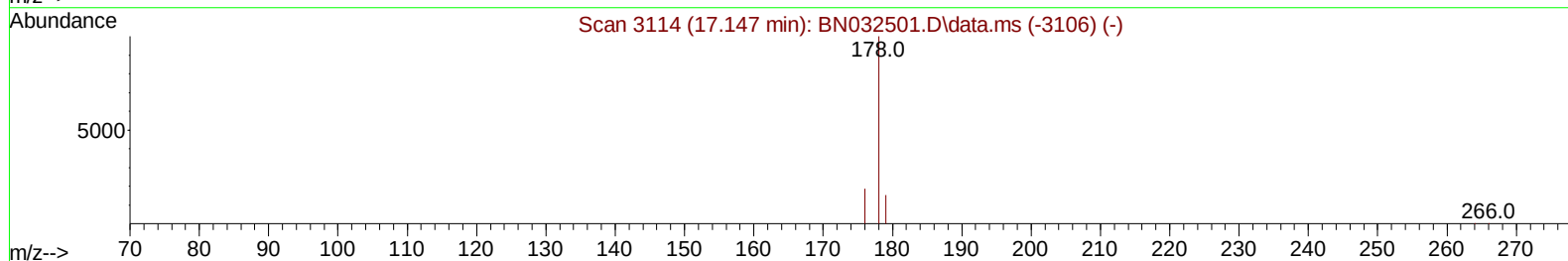
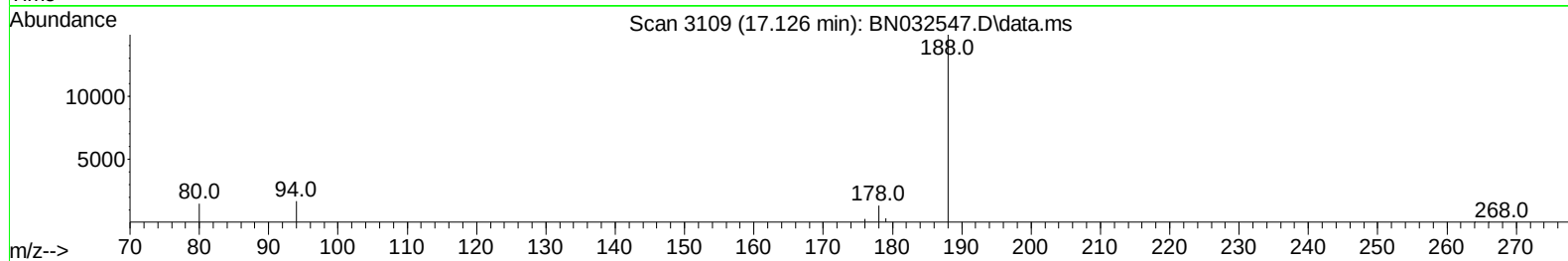
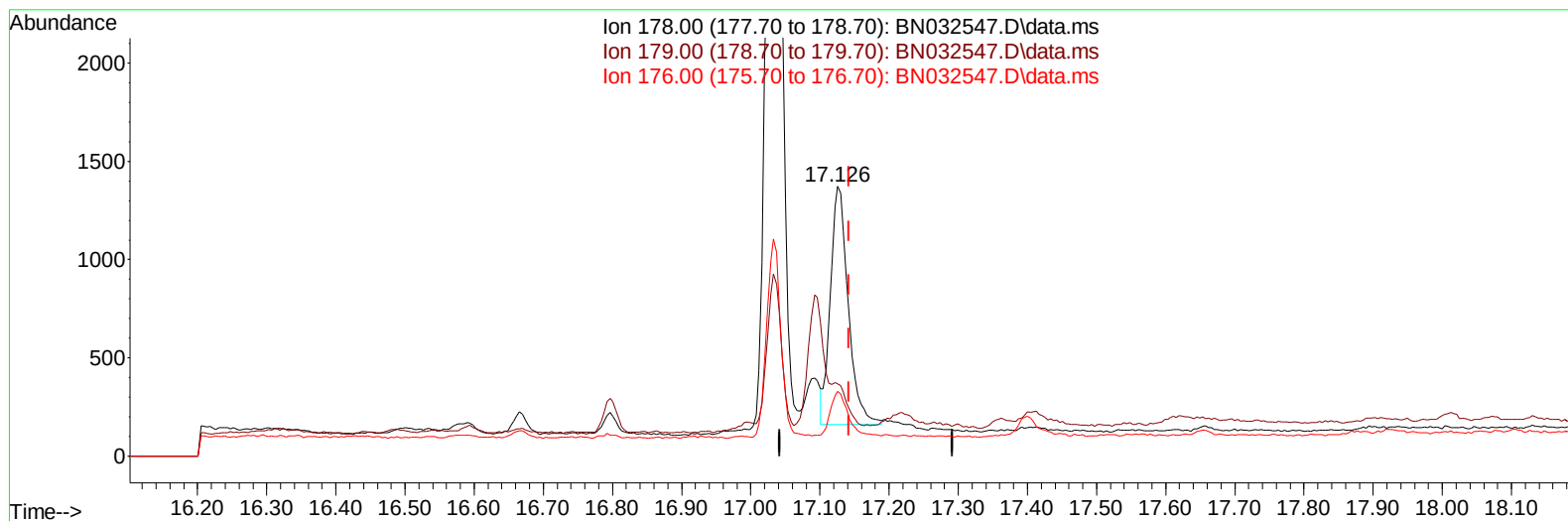
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(16) Anthracene

17.126min (-0.017) 0.04 ng/ul m

response 2181

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	26.90#
176.00	18.80	23.91#
0.00	0.00	0.00

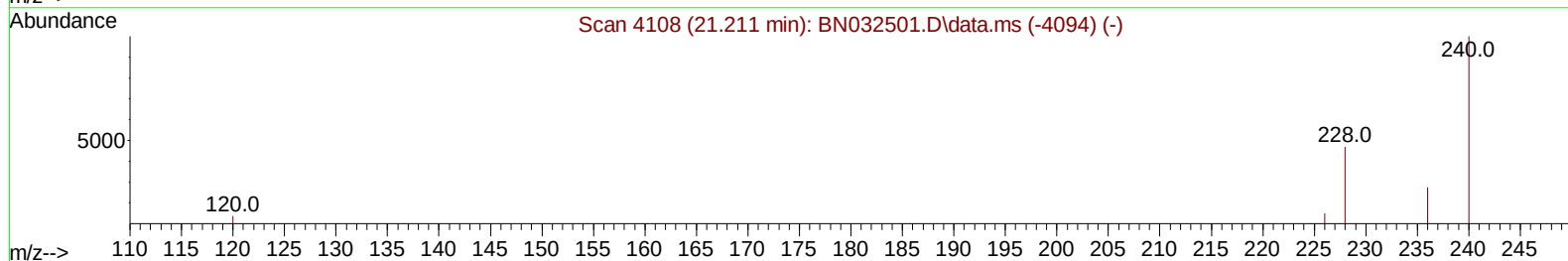
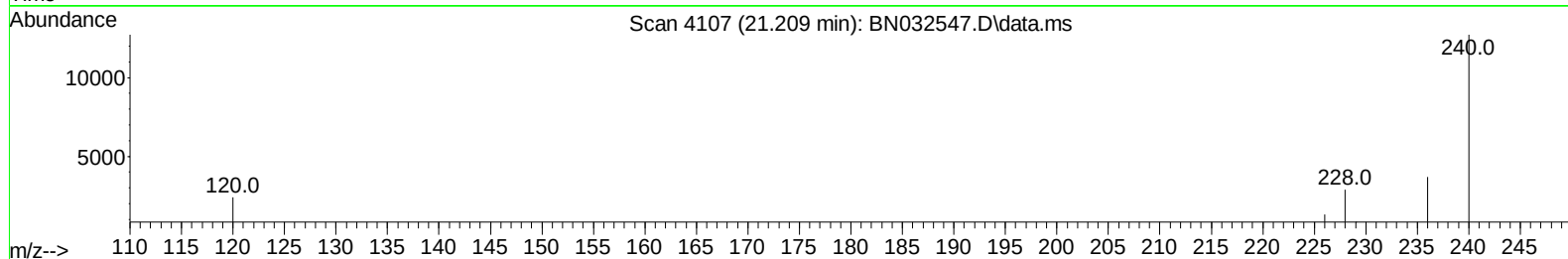
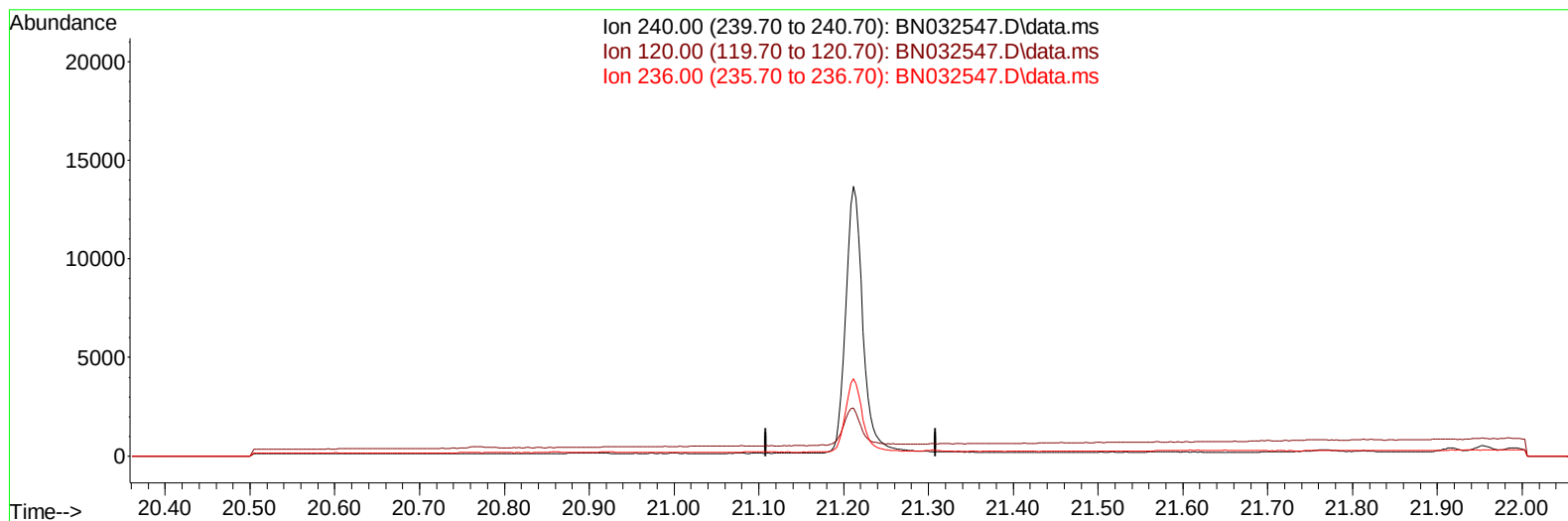
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032547.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

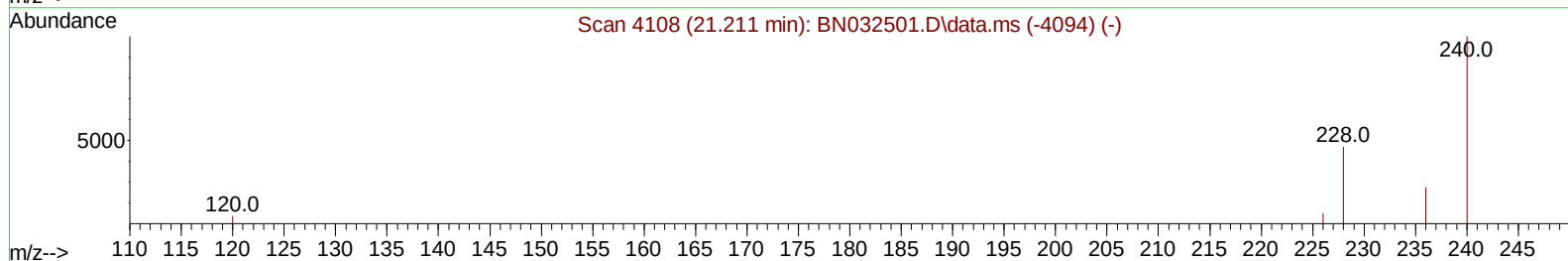
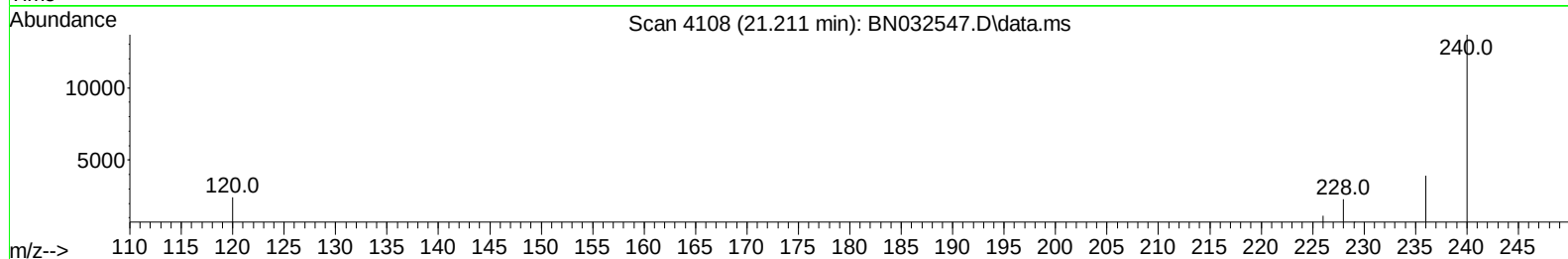
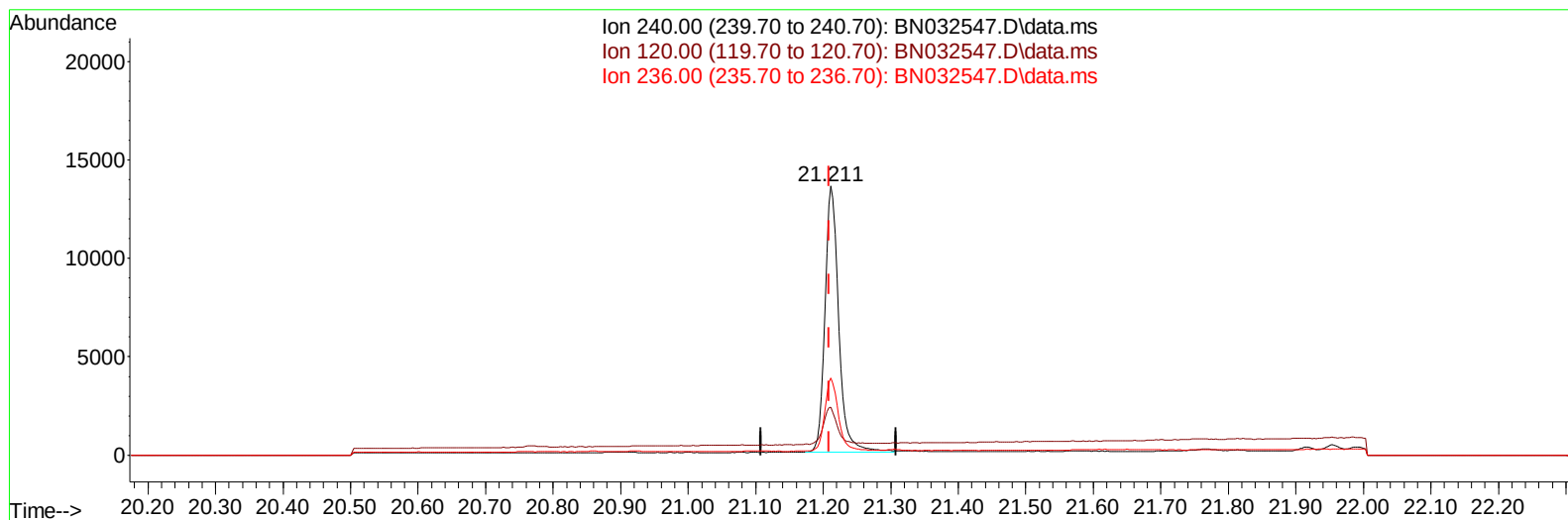
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(17) Chrysene-d12

21.211min (+ 0.003) 0.40 ng/ul m

response 19150

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	17.77
236.00	28.40	28.58
0.00	0.00	0.00

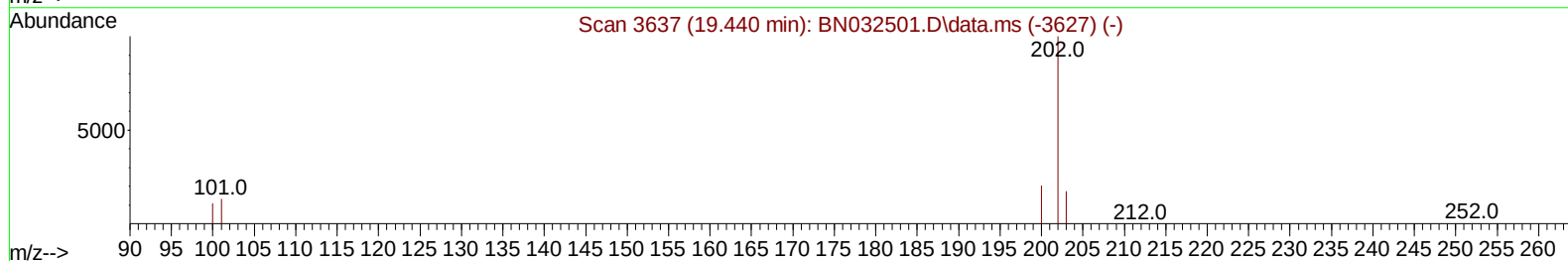
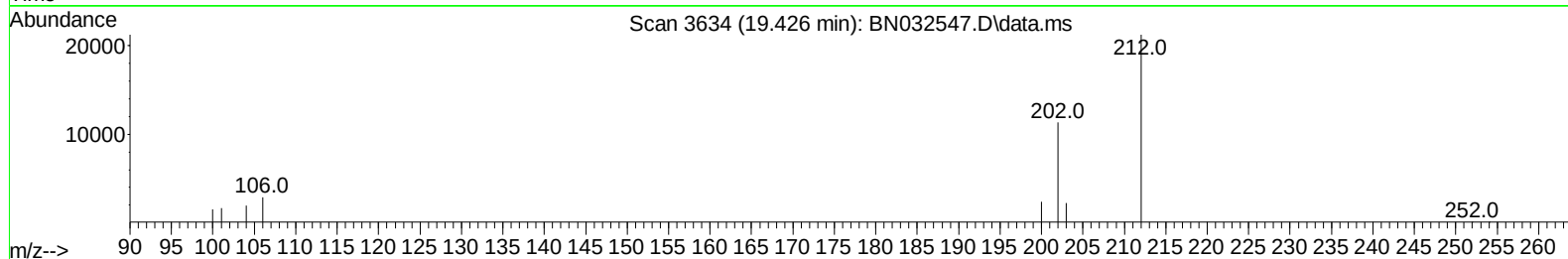
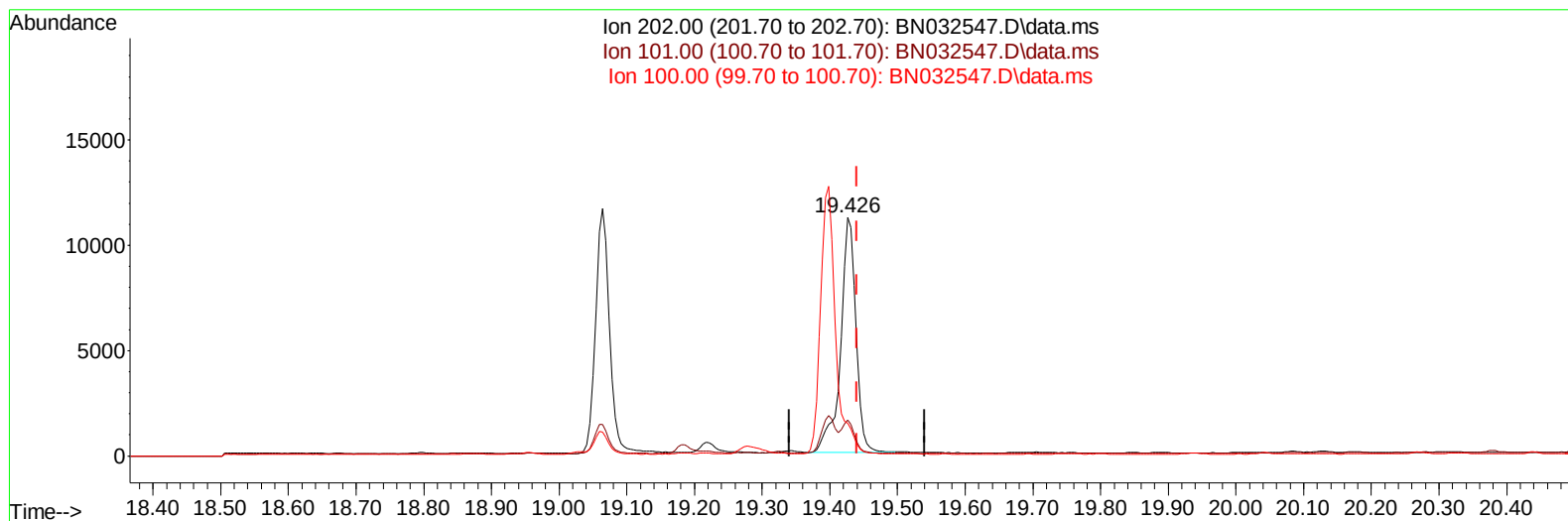
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032547.D\data.ms

(20) Pyrene

19.426min (-0.014) 0.23 ng/u1

response 17461

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	14.97
100.00	10.90	13.74#
0.00	0.00	0.00

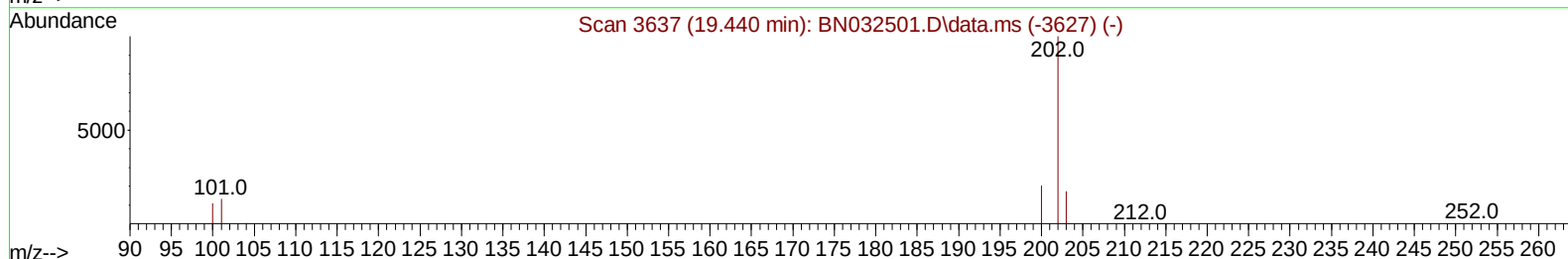
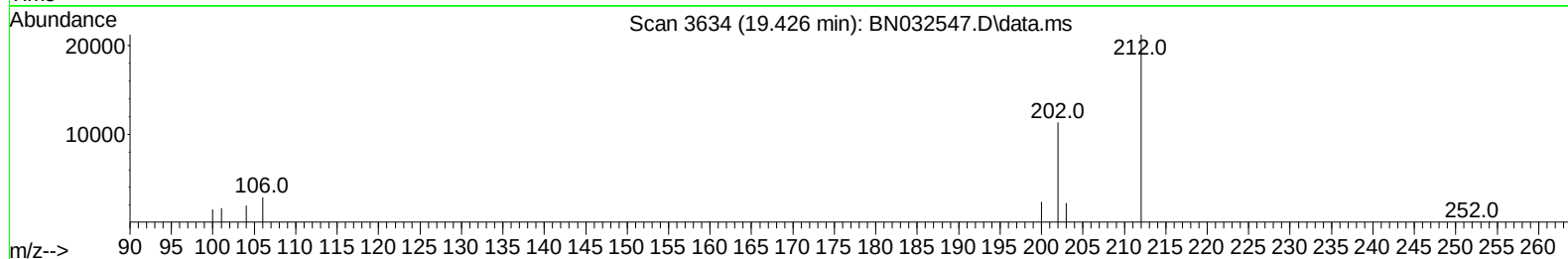
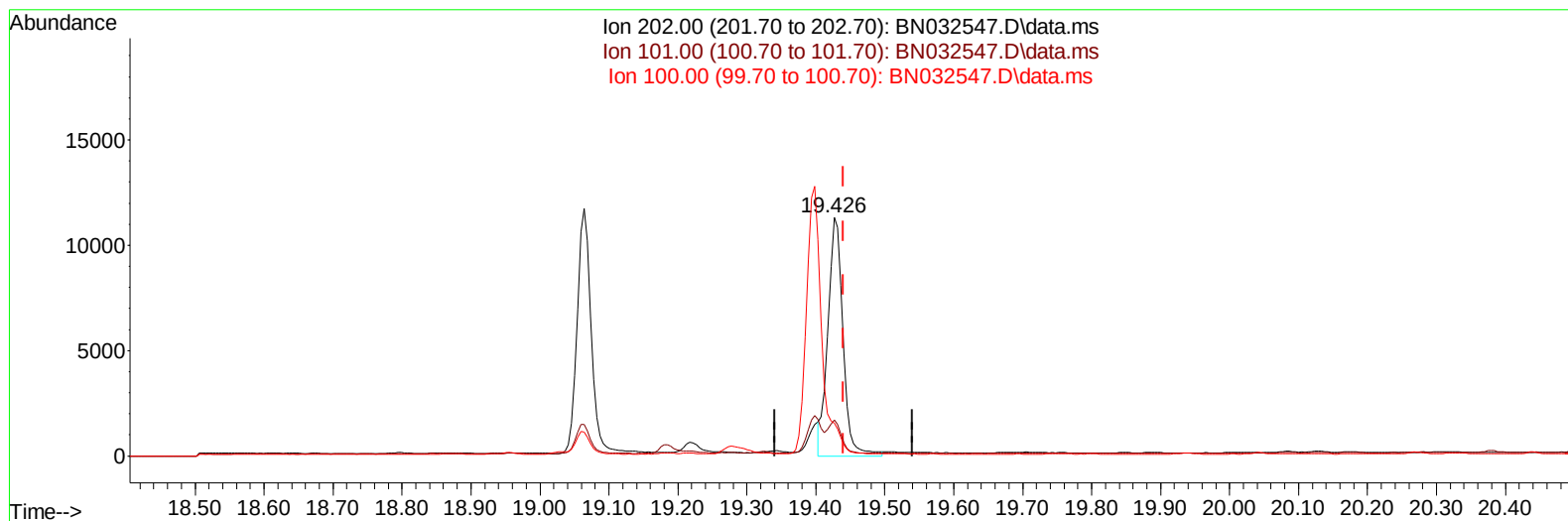
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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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TIC: BN032547.D\data.ms

(20) Pyrene

19.426min (-0.014) 0.22 ng/ul m

response 16989

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	14.97
100.00	10.90	13.74#
0.00	0.00	0.00

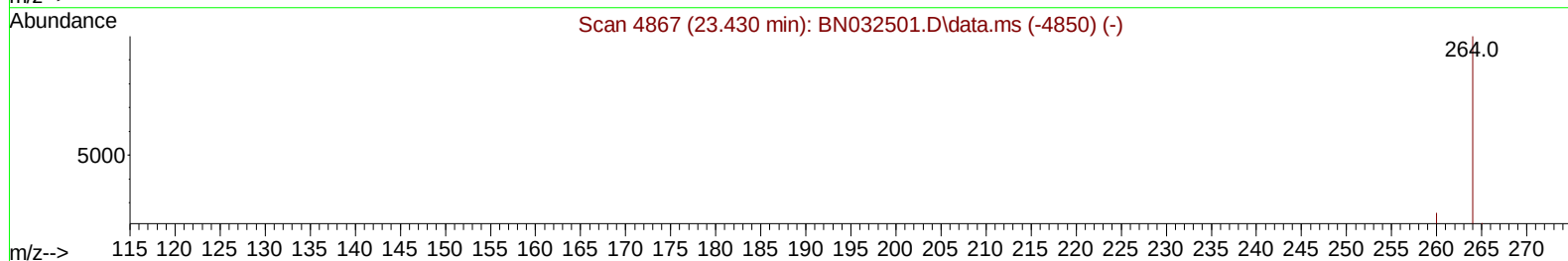
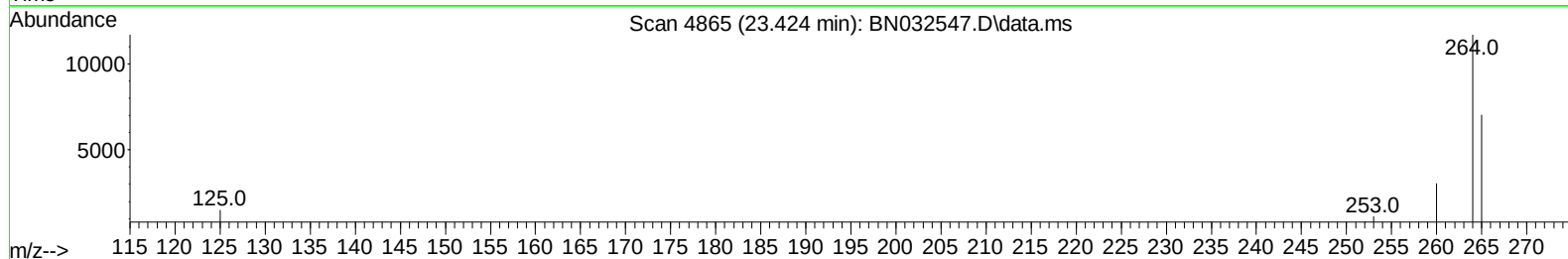
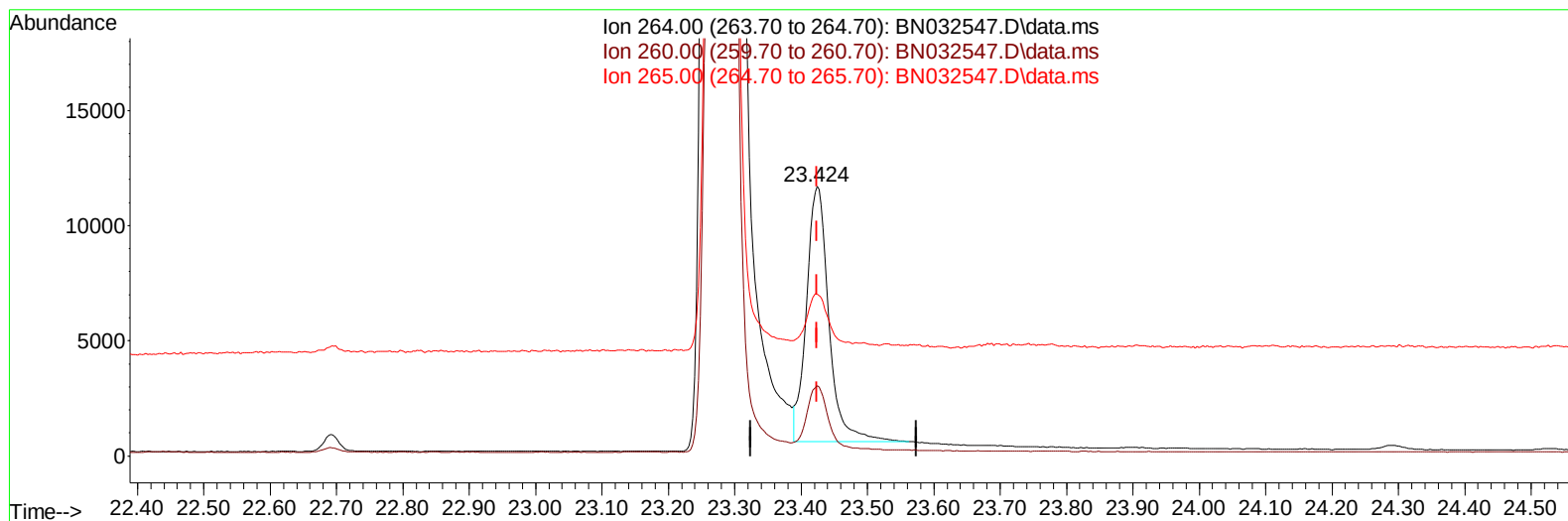
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/u1

response 25740

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.02
265.00	67.20	60.10
0.00	0.00	0.00

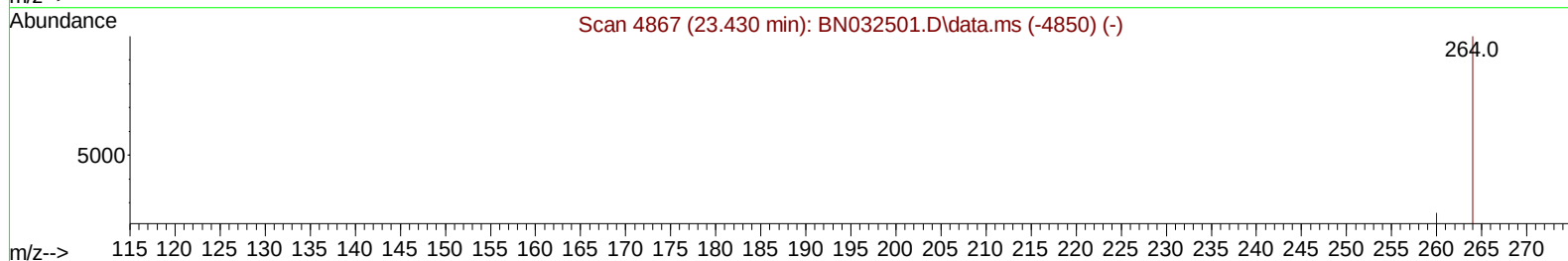
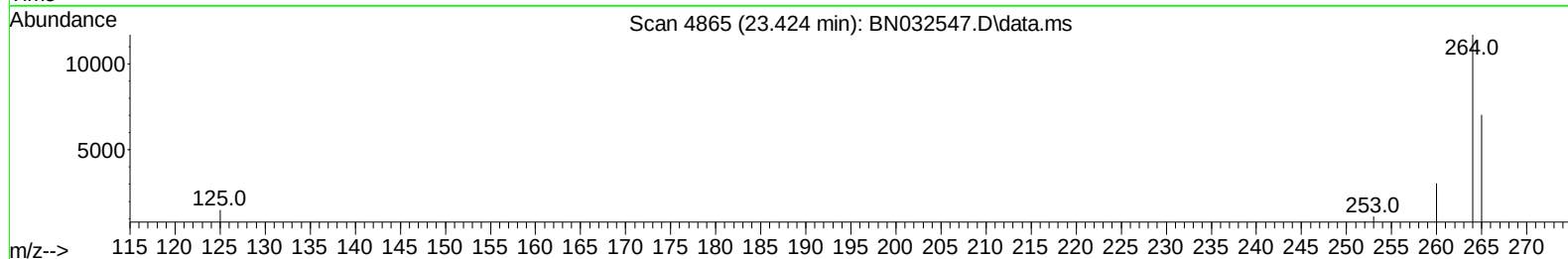
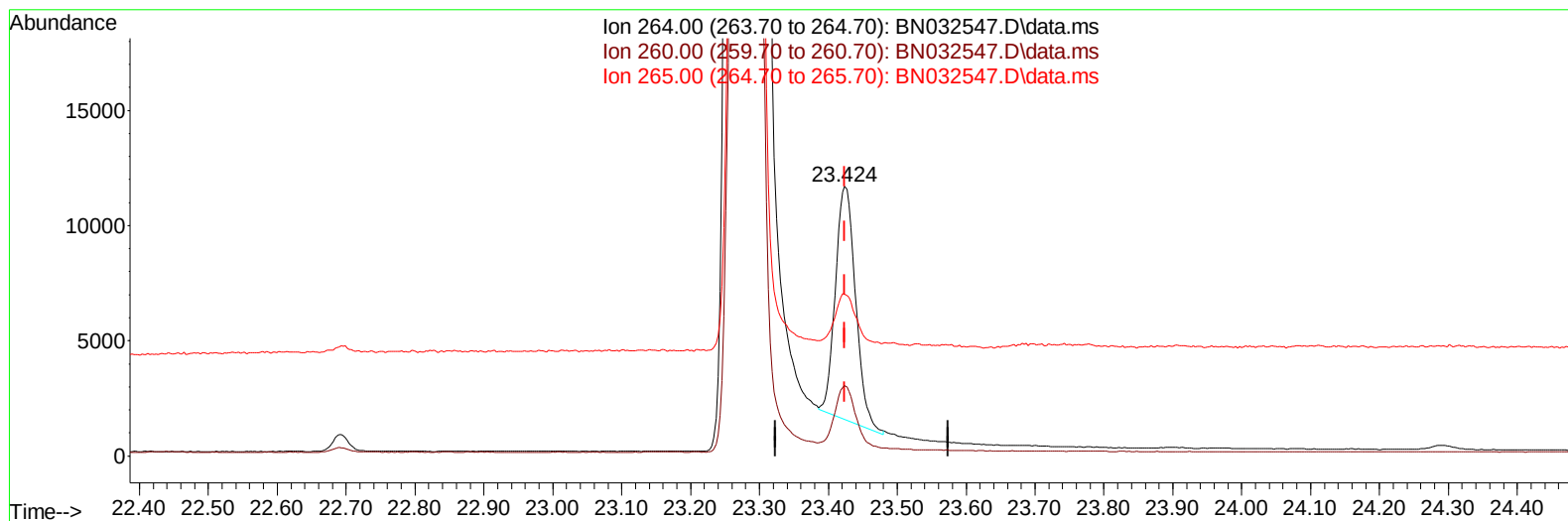
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
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Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/ul m

response 20419

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.02
265.00	67.20	60.10
0.00	0.00	0.00

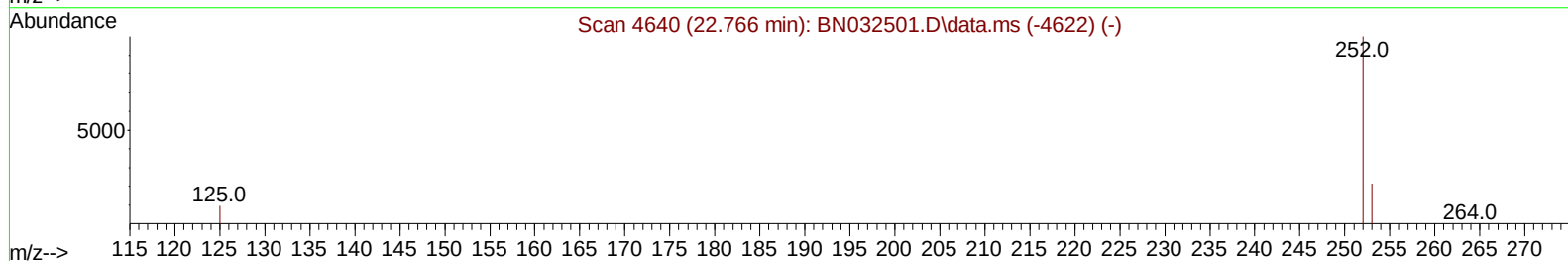
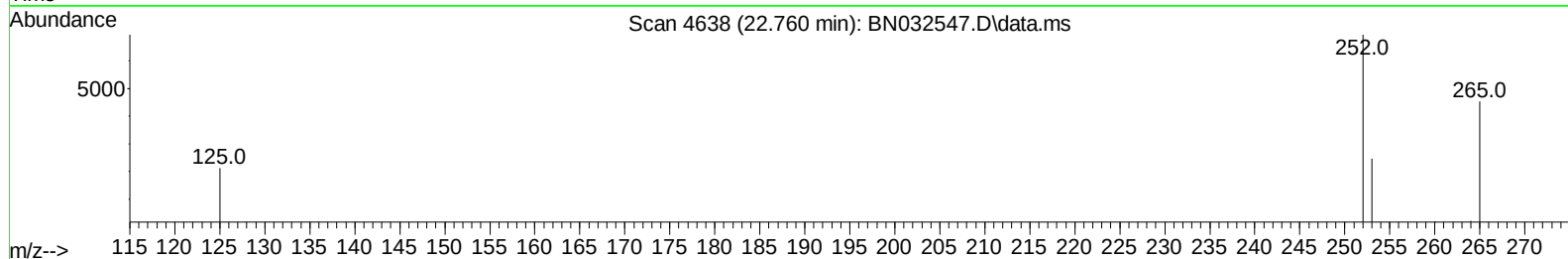
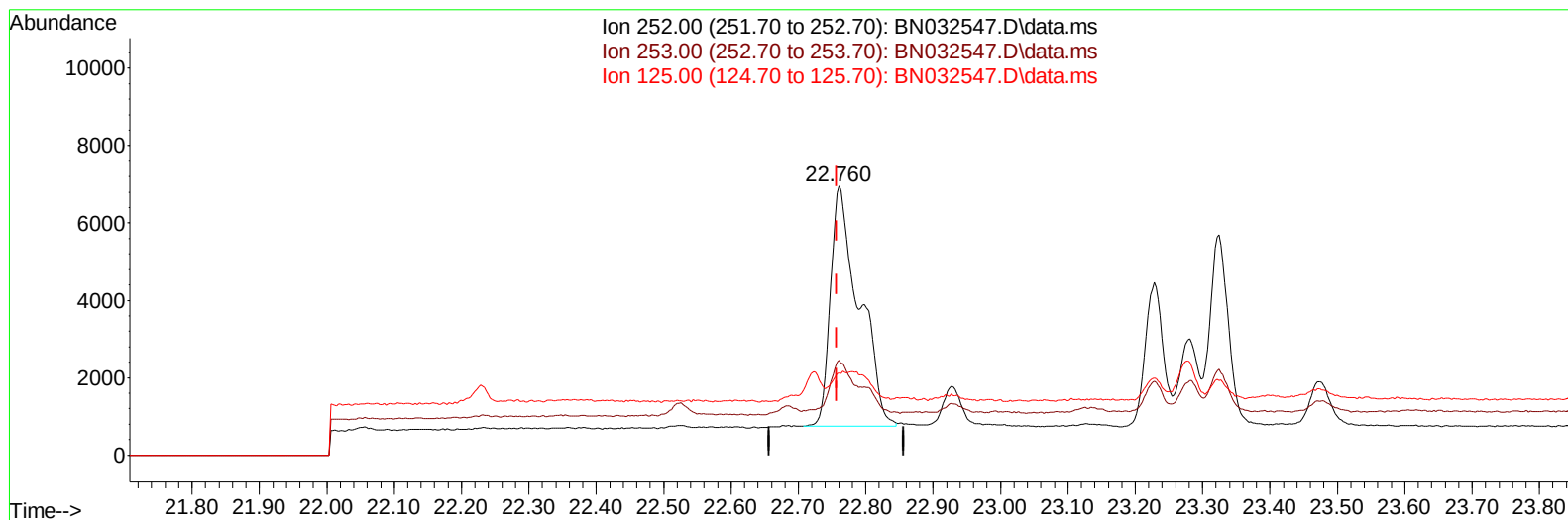
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
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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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.21 ng/u1

response 18314

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	35.36
125.00	16.00	30.49
0.00	0.00	0.00

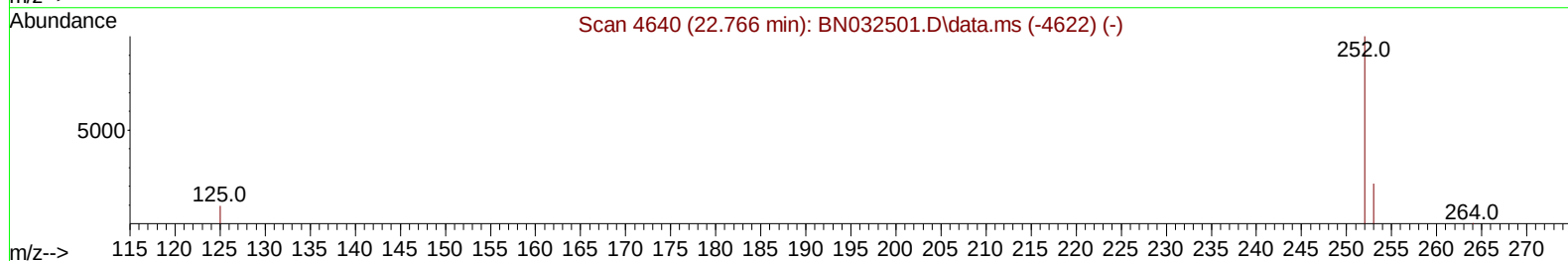
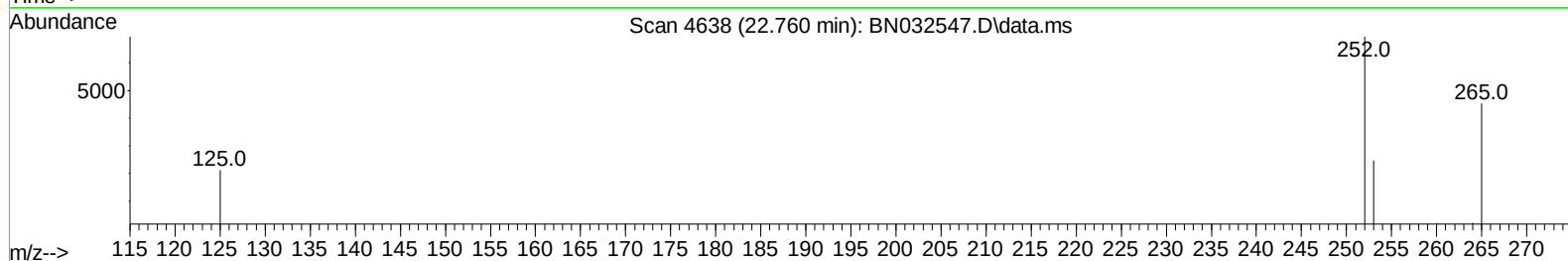
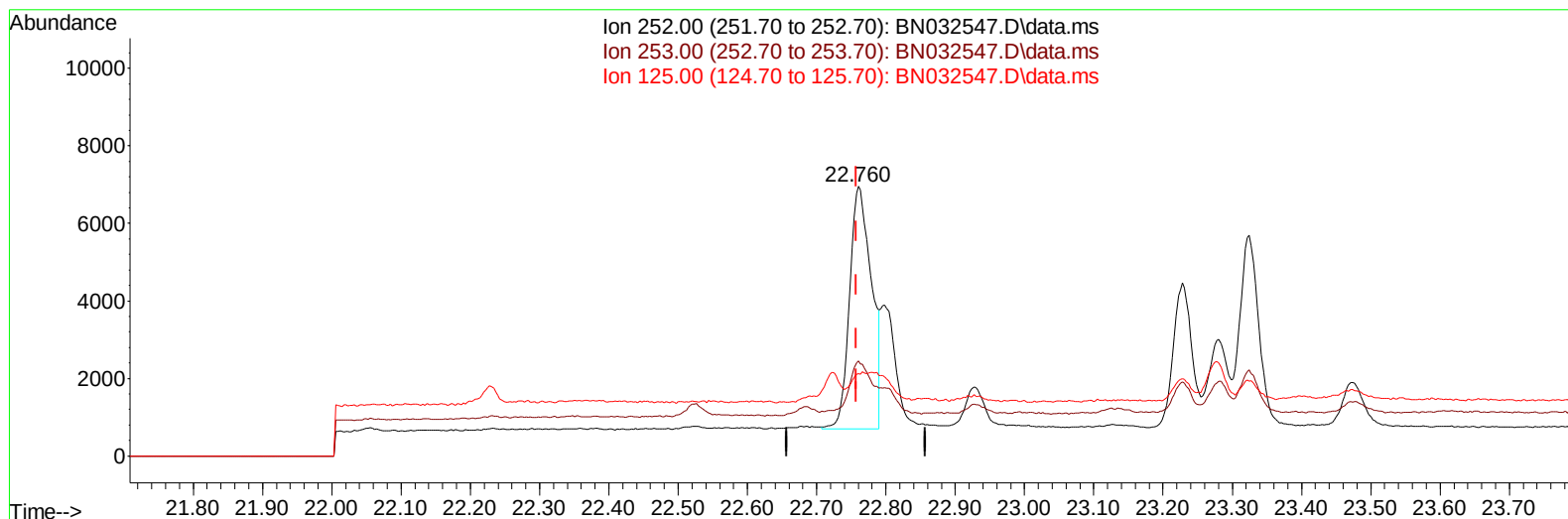
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 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 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.16 ng/ul m

response 13783

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	35.36
125.00	16.00	30.49
0.00	0.00	0.00

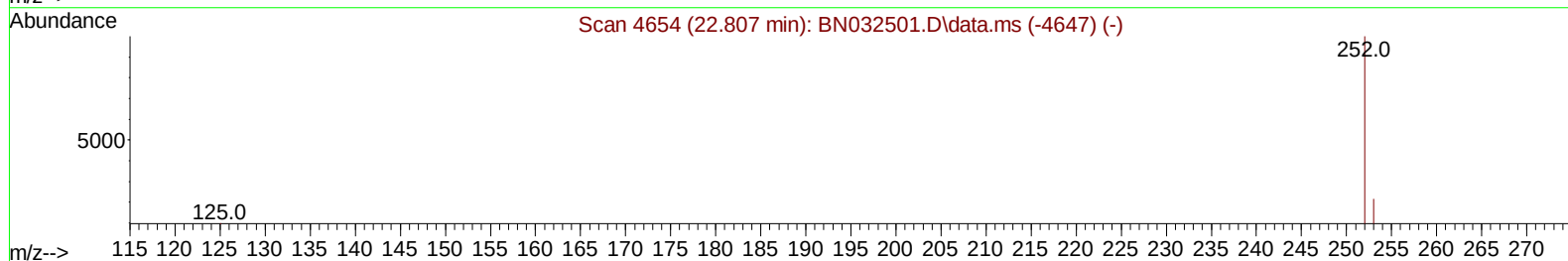
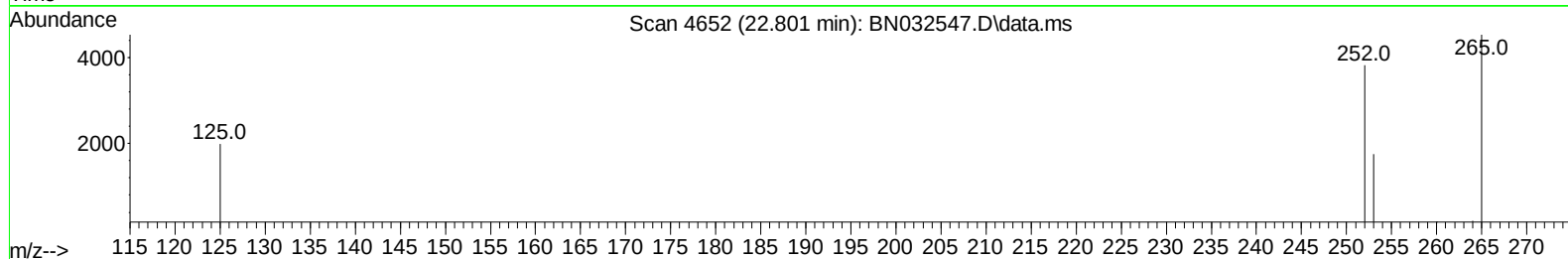
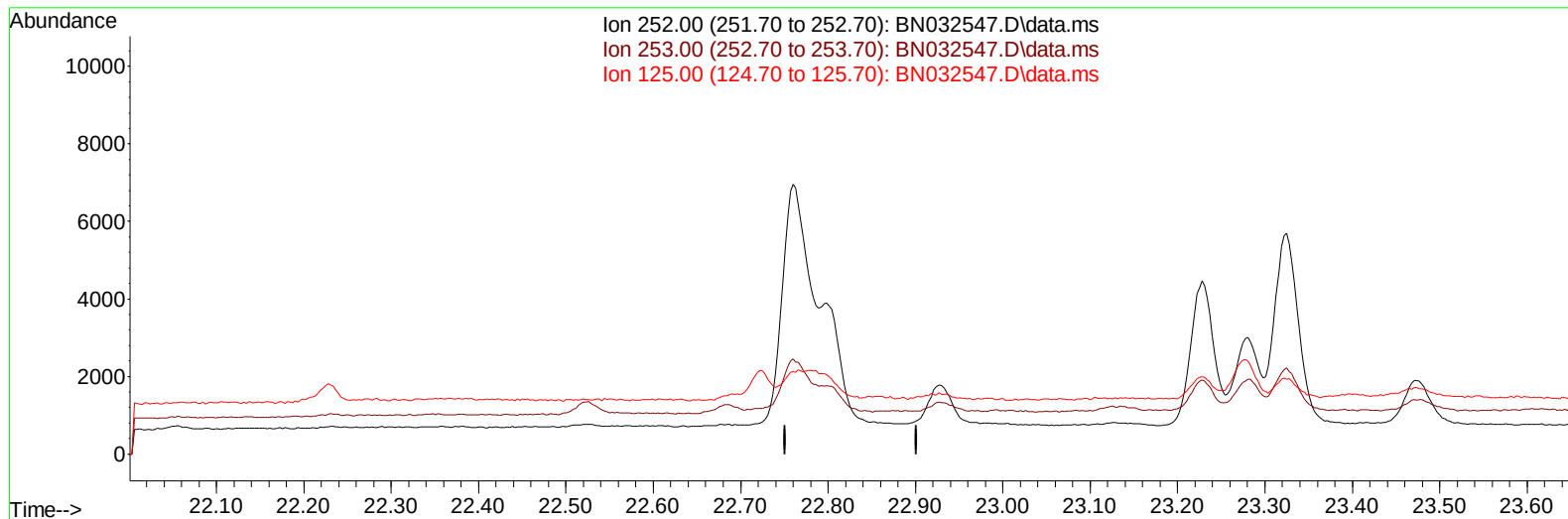
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 07/08/2024



TIC: BN032547.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

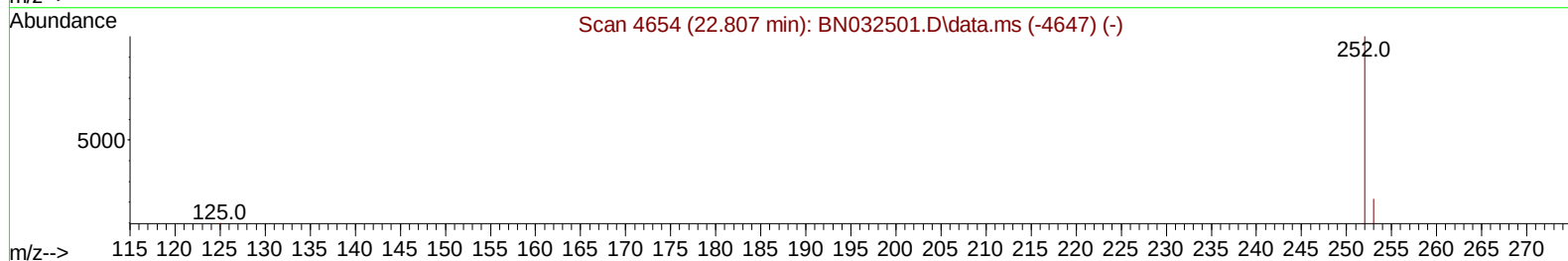
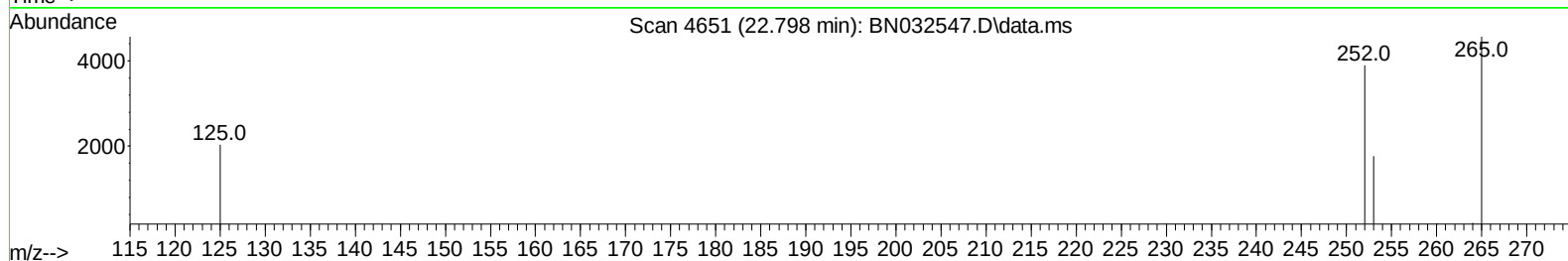
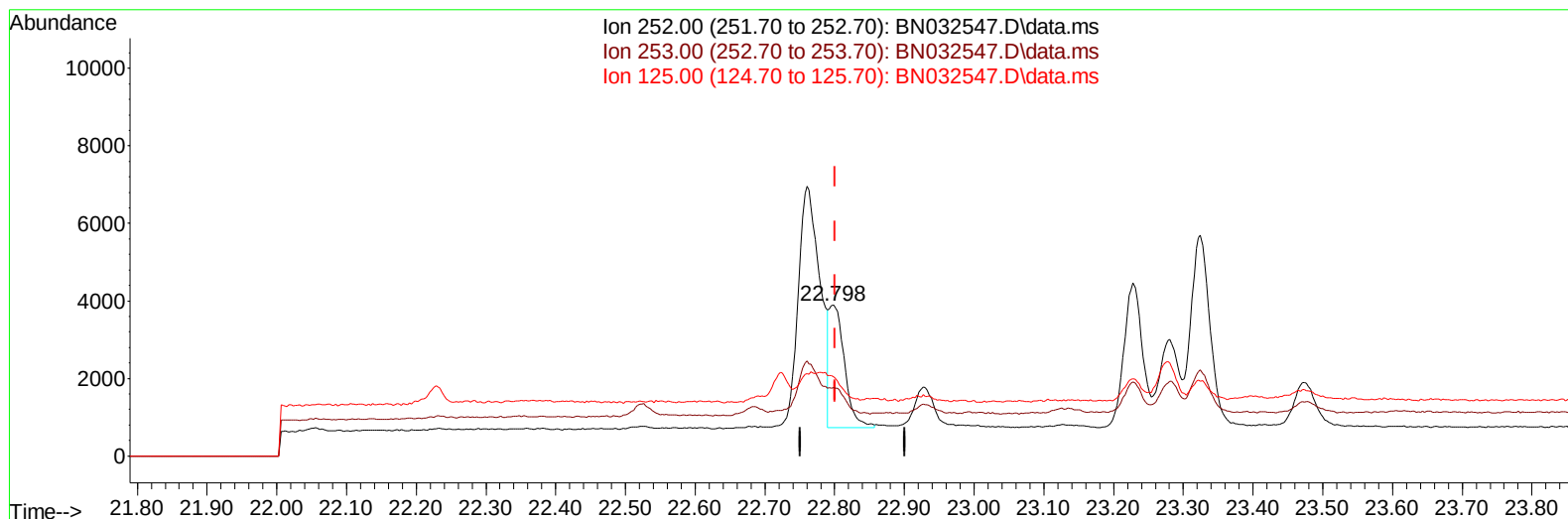
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032547.D
Acq On : 06 Jul 2024 15:26
Operator : MA/JU
Sample : P2982-12
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CF9

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:52 2024
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TIC: BN032547.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 0.06 ng/ul m

response 4873

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	45.47#
125.00	16.00	52.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
 Data File : BN032547.D
 Acq On : 06 Jul 2024 15:26
 Operator : MA/JU
 Sample : P2982-12
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CF9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 07 23:45:52 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 03 03:26:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.586	152	6488	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.360	136	18938	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.235	164	10711	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.991	188	21216m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.211	240	19150m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264	20419m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.135	96	29846	4.139	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.966	152	6095	0.215	ng/ul	-0.01
18) Fluoranthene-d10	19.031	212	12464	0.216	ng/ul	-0.01
Target Compounds						
						Qvalue
10) Acenaphthylene	13.952	152	2199	0.049	ng/ul#	84
15) Phenanthrene	17.033	178	7566m	0.130	ng/ul	
16) Anthracene	17.126	178	2181m	0.042	ng/ul	
19) Fluoranthene	19.064	202	16615	0.228	ng/ul#	95
20) Pyrene	19.426	202	16989m	0.223	ng/ul	
21) Benzo(a)anthracene	21.197	228	8890	0.129	ng/ul#	92
22) Chrysene	21.246	228	8555	0.113	ng/ul#	92
24) Benzo(b)fluoranthene	22.760	252	13783m	0.155	ng/ul	
25) Benzo(k)fluoranthene	22.798	252	4873m	0.057	ng/ul	
26) Benzo(a)pyrene	23.324	252	9360	0.152	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.670	276	7489	0.077	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.666	278	1663	0.023	ng/ul#	1
29) Benzo(g,h,i)perylene	26.357	276	7394	0.096	ng/ul#	82

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

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Manual IntegrationsAPPROVED

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