

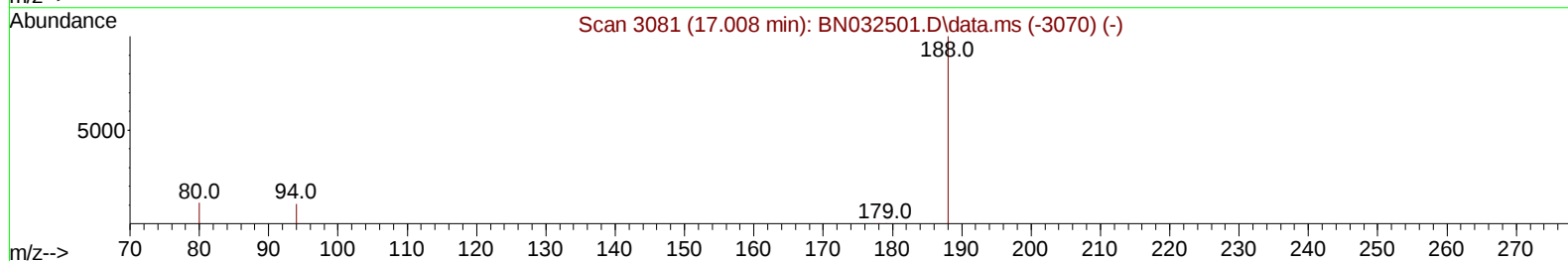
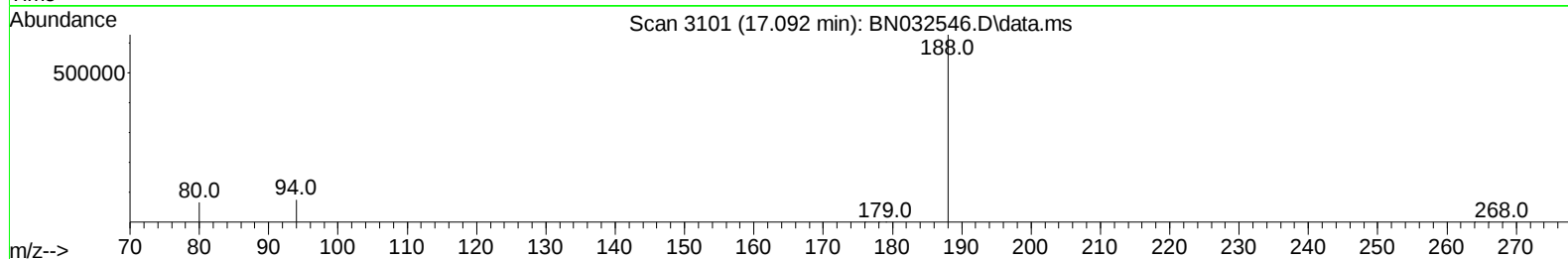
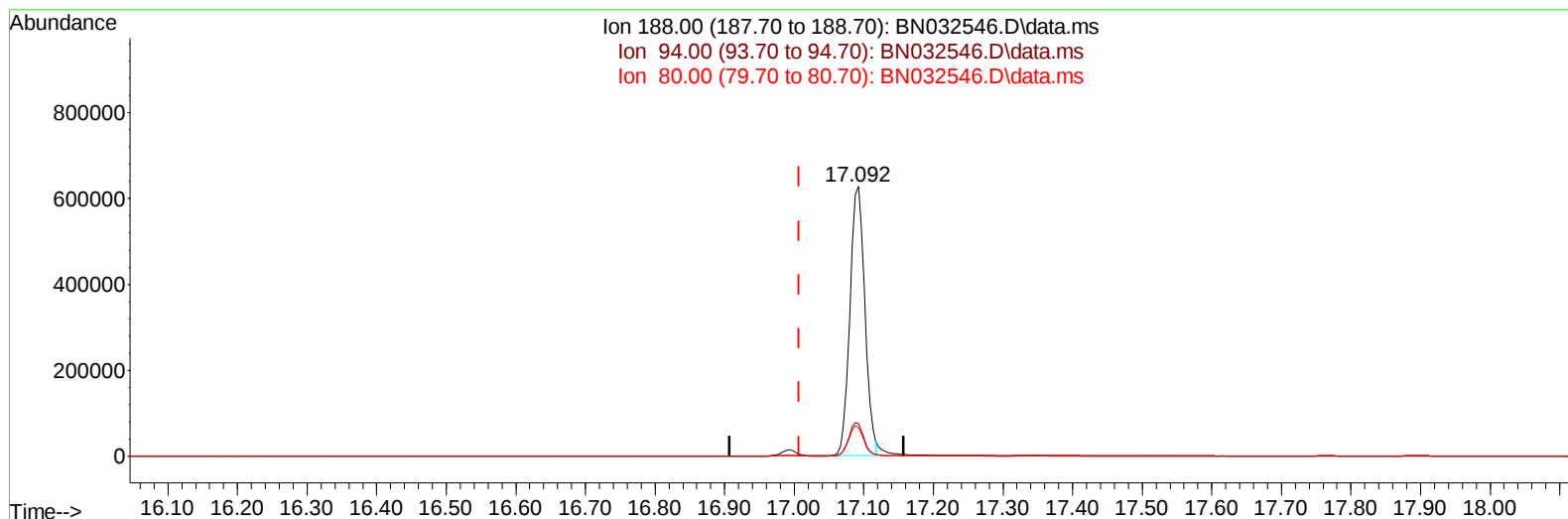
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

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

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(13) Phenanthrene-d10 (I)

17.092min (+ 0.084) 0.40 ng/u1

response 938331

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.94
80.00	10.50	10.52
0.00	0.00	0.00

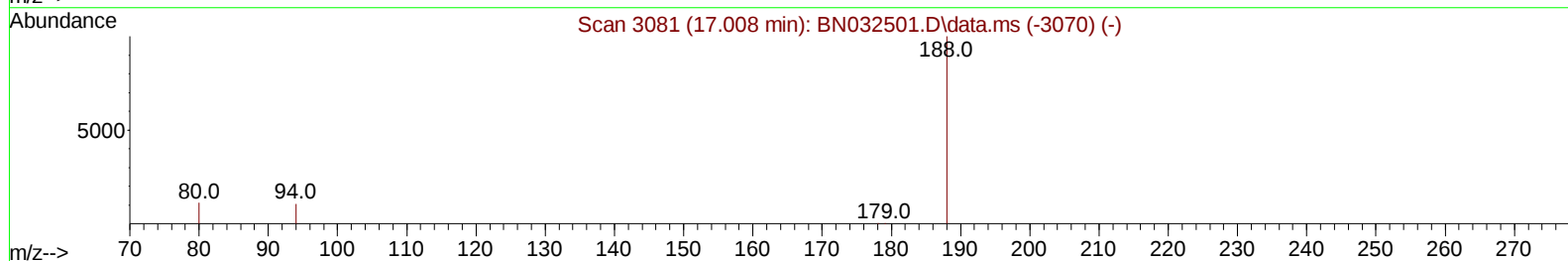
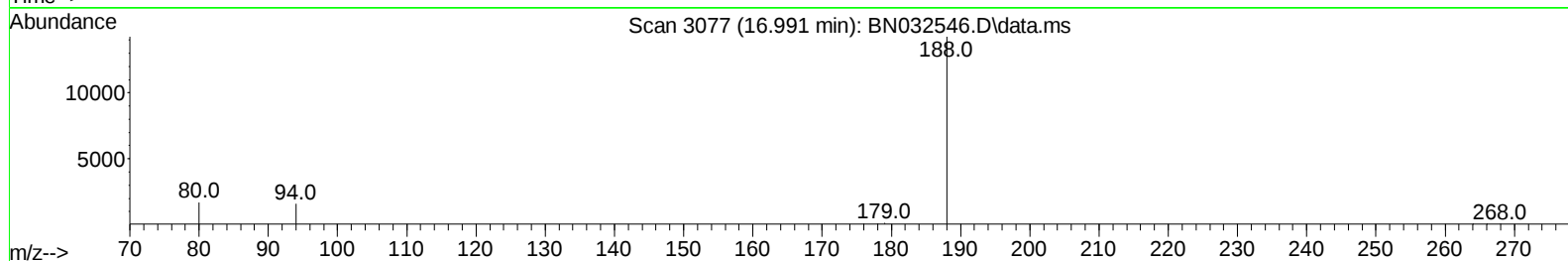
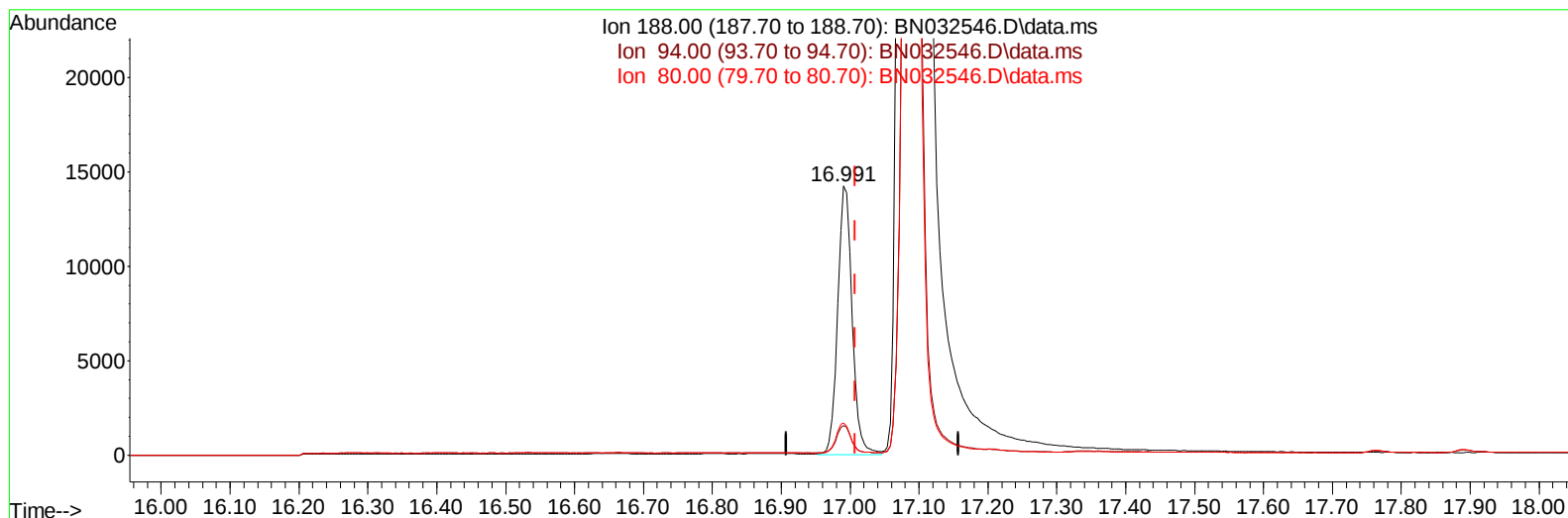
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(13) Phenanthrene-d10 (I)

16.991min (-0.017) 0.40 ng/ul m

response 20741

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.07
80.00	10.50	11.92
0.00	0.00	0.00

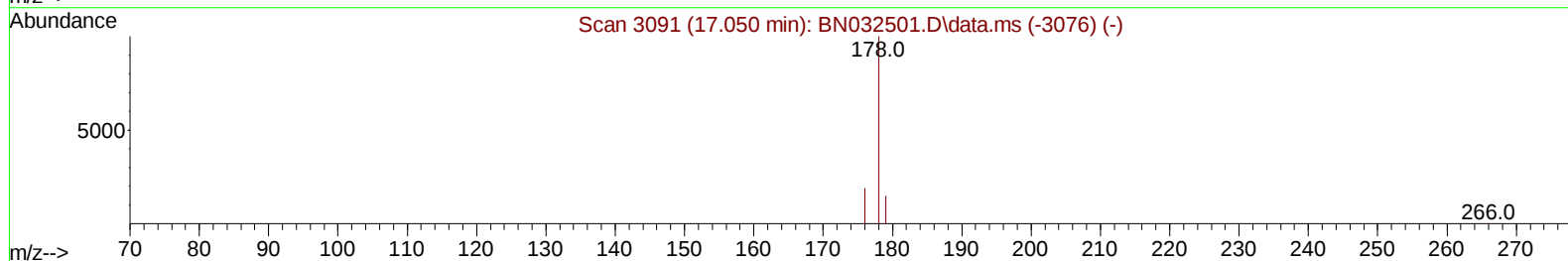
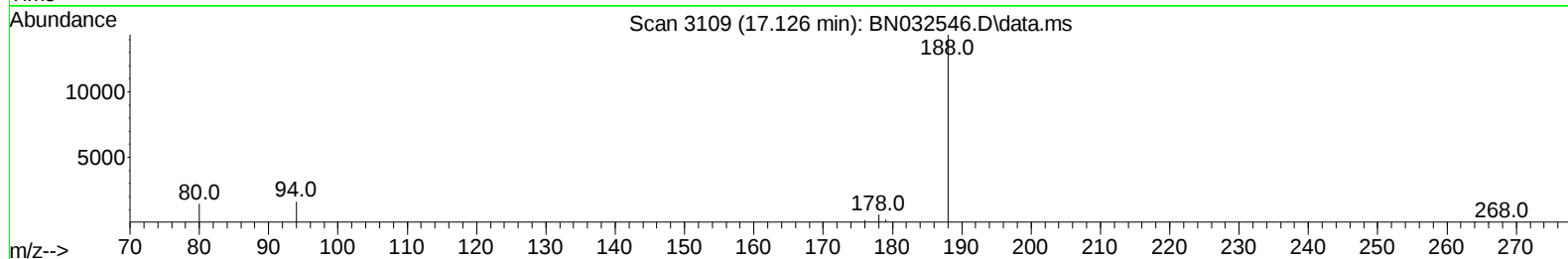
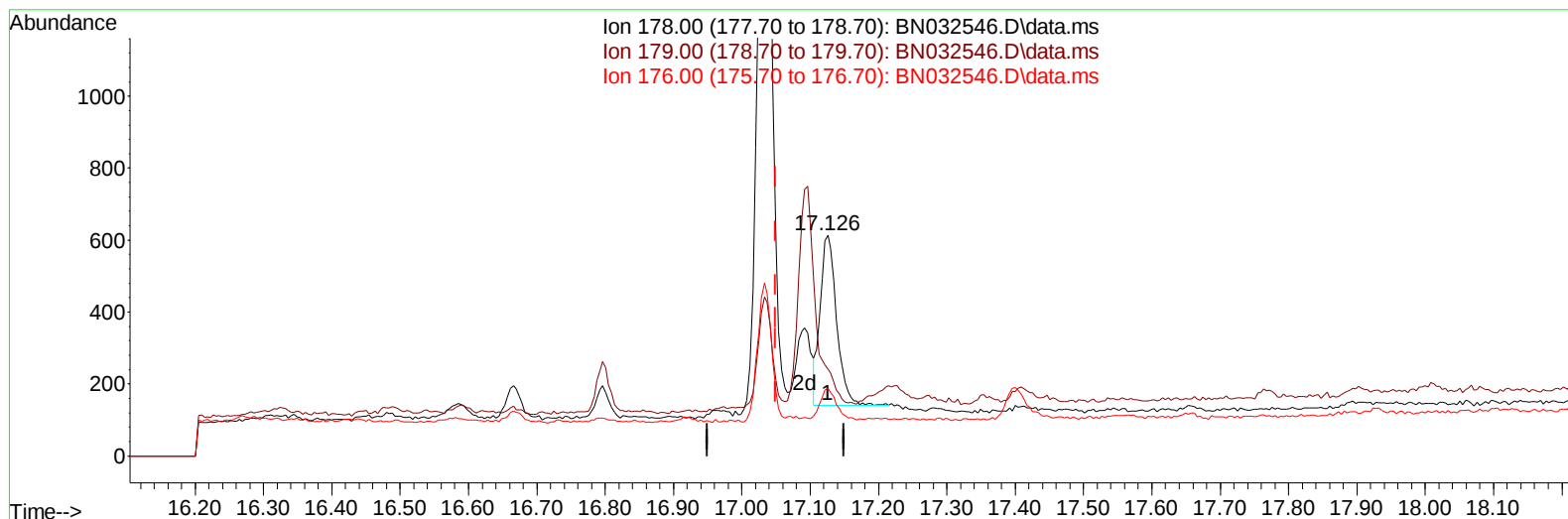
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
 Data File : BN032546.D
 Acq On : 06 Jul 2024 14:49
 Operator : MA/JU
 Sample : P2982-20
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(15) Phenanthrene

17.126min (+ 0.076) 0.01 ng/u1

response 792

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	39.41#
176.00	19.50	30.78#
0.00	0.00	0.00

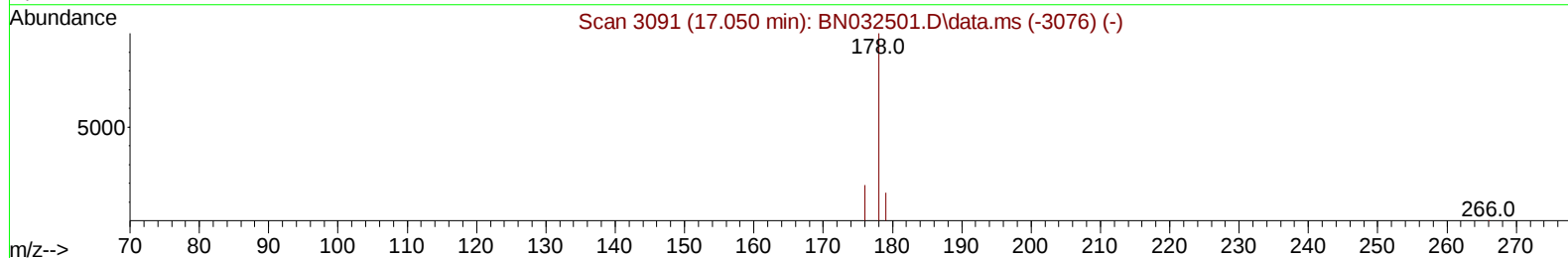
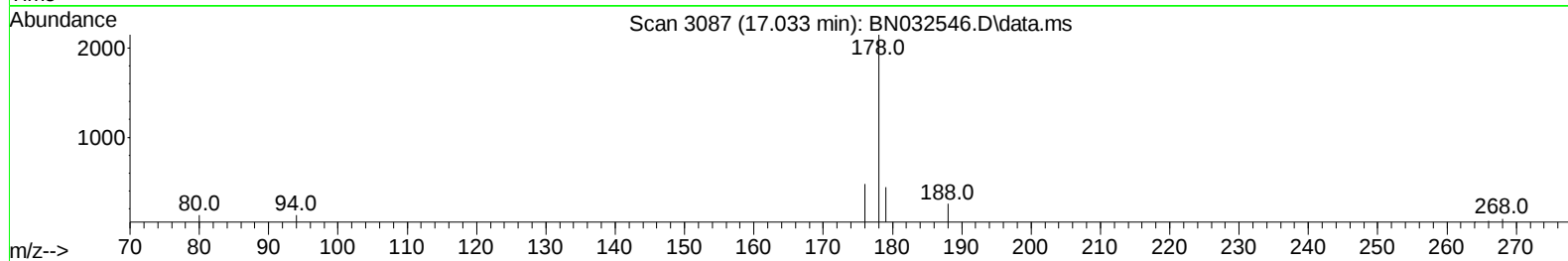
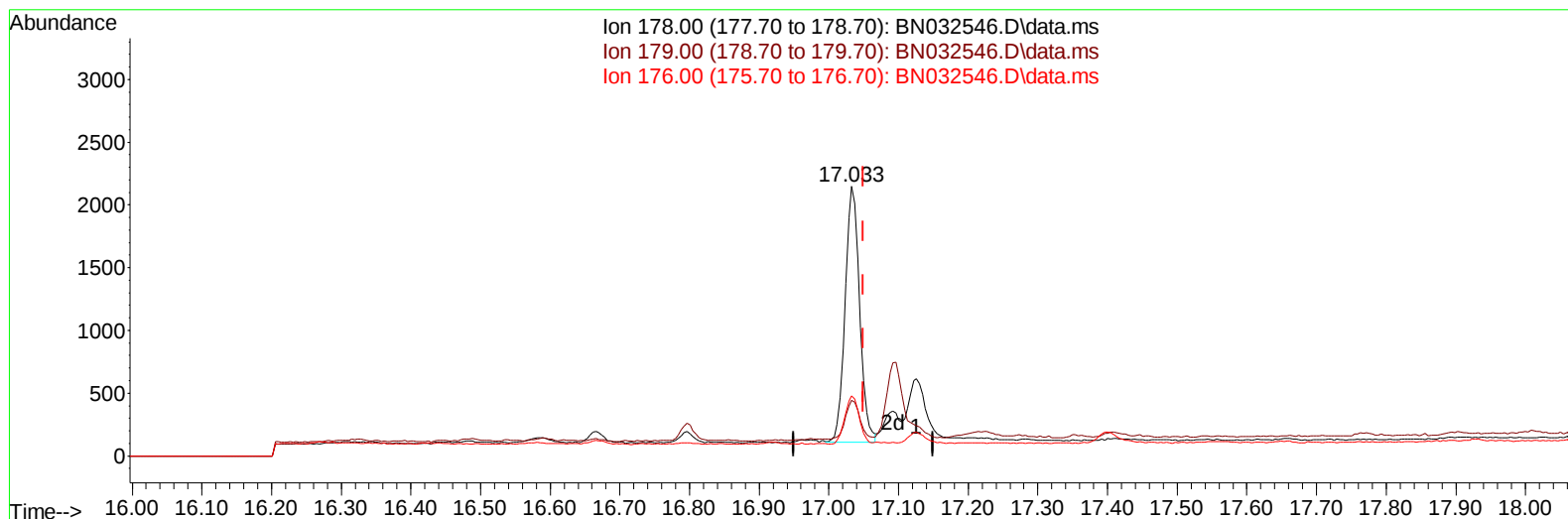
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(15) Phenanthrene

17.033min (-0.017) 0.05 ng/ul m

response 2968

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	20.59#
176.00	19.50	22.40
0.00	0.00	0.00

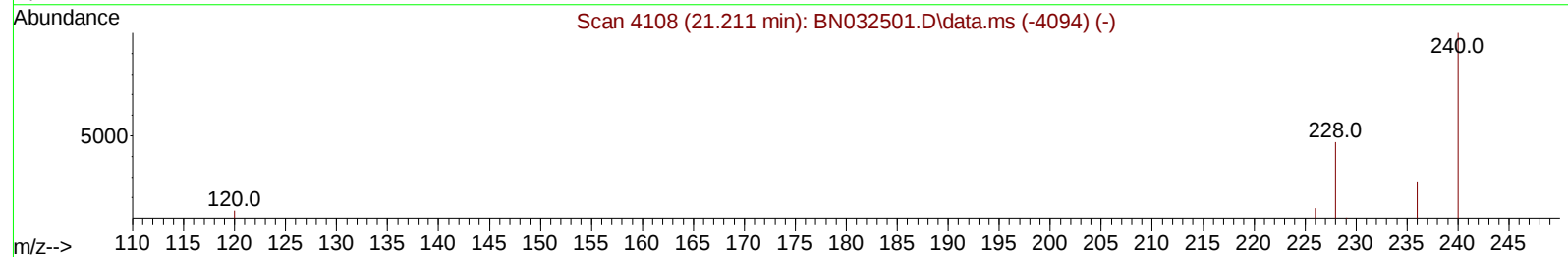
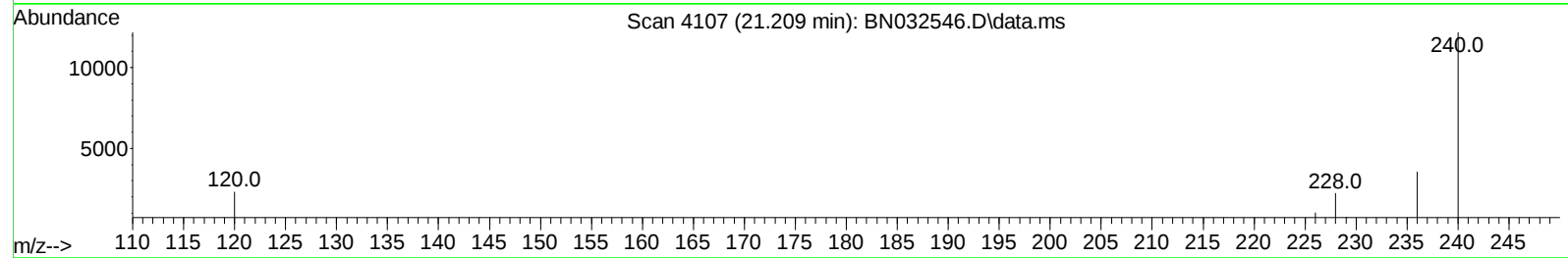
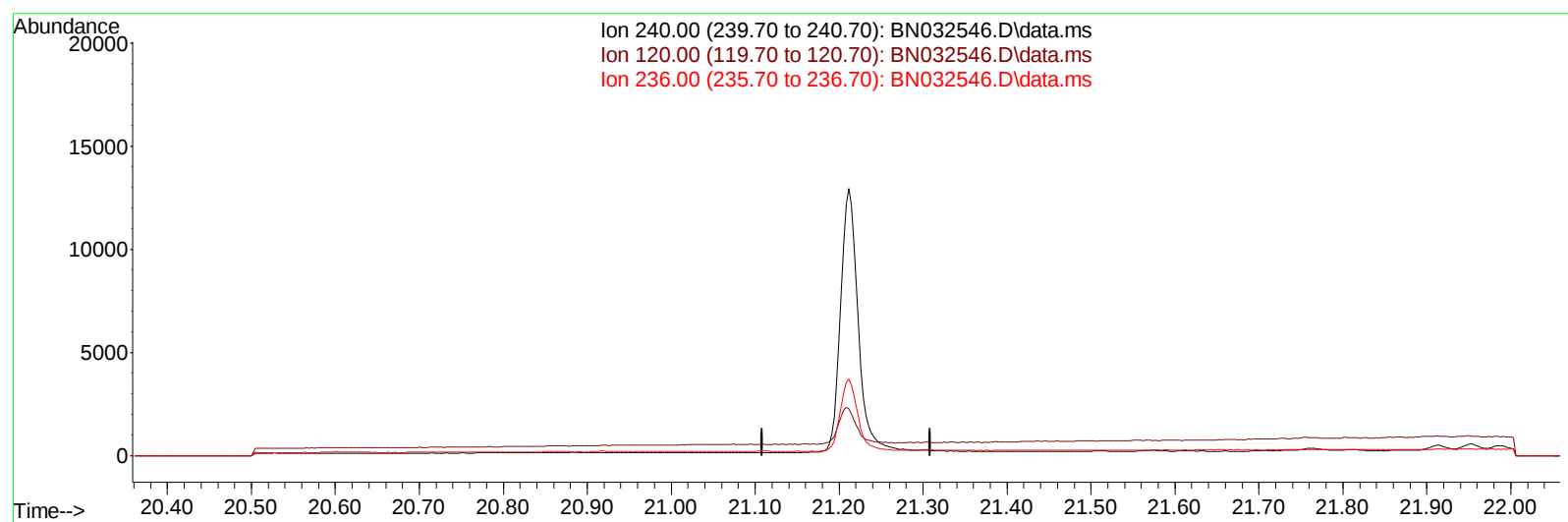
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

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



TIC: BN032546.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

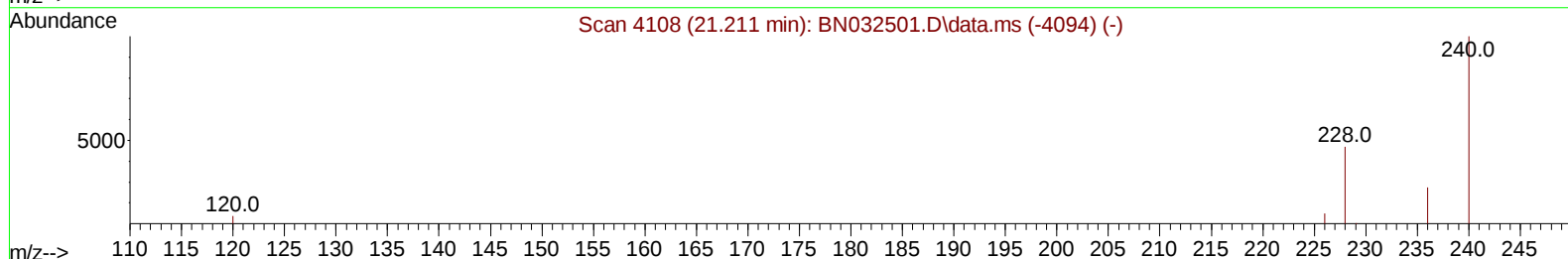
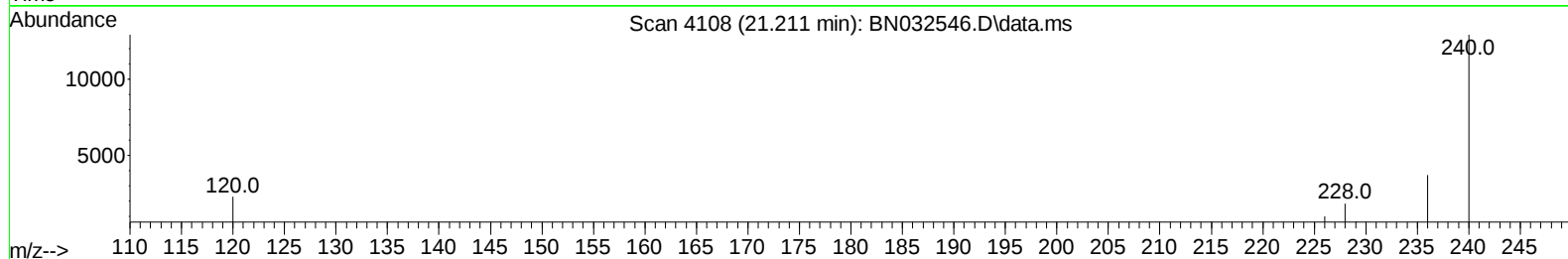
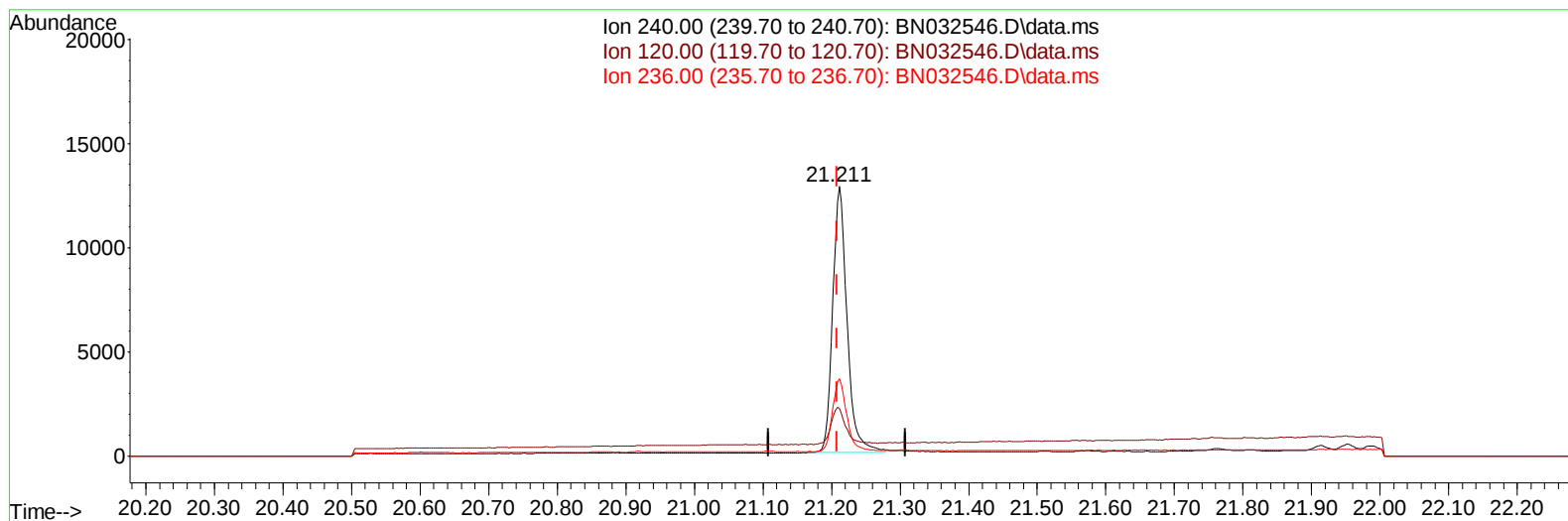
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(17) Chrysene-d12

21.211min (+ 0.003) 0.40 ng/ul m

response 18545

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	17.62
236.00	28.40	28.59
0.00	0.00	0.00

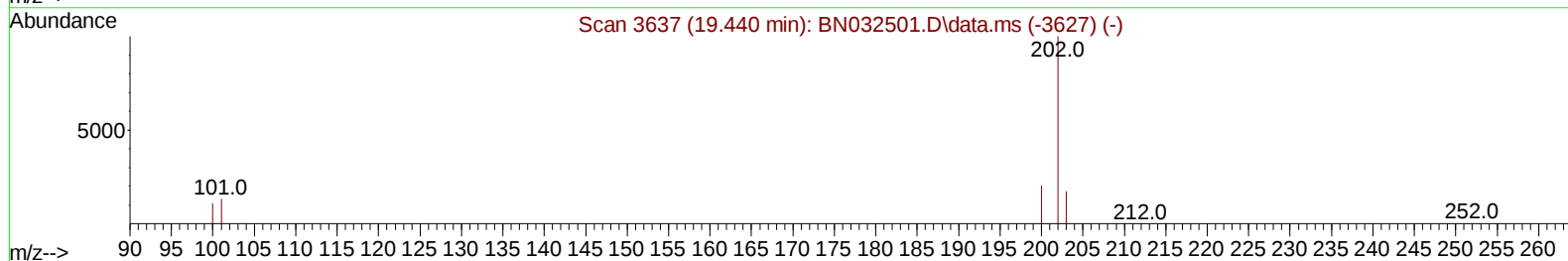
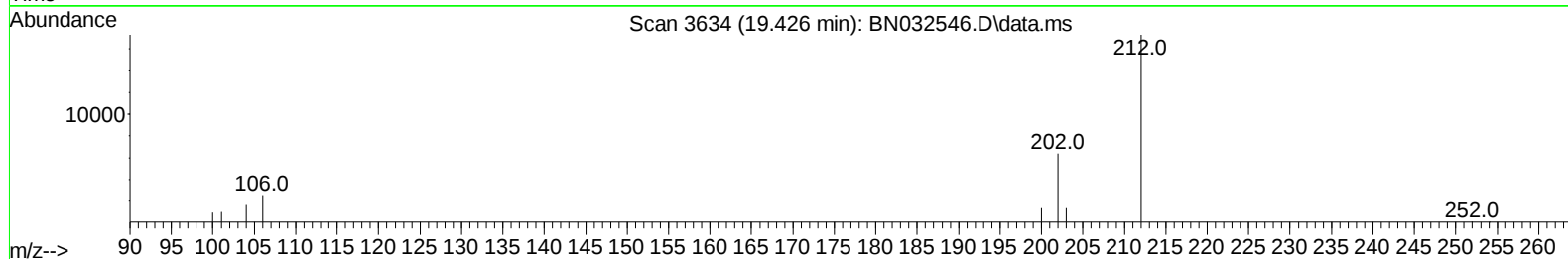
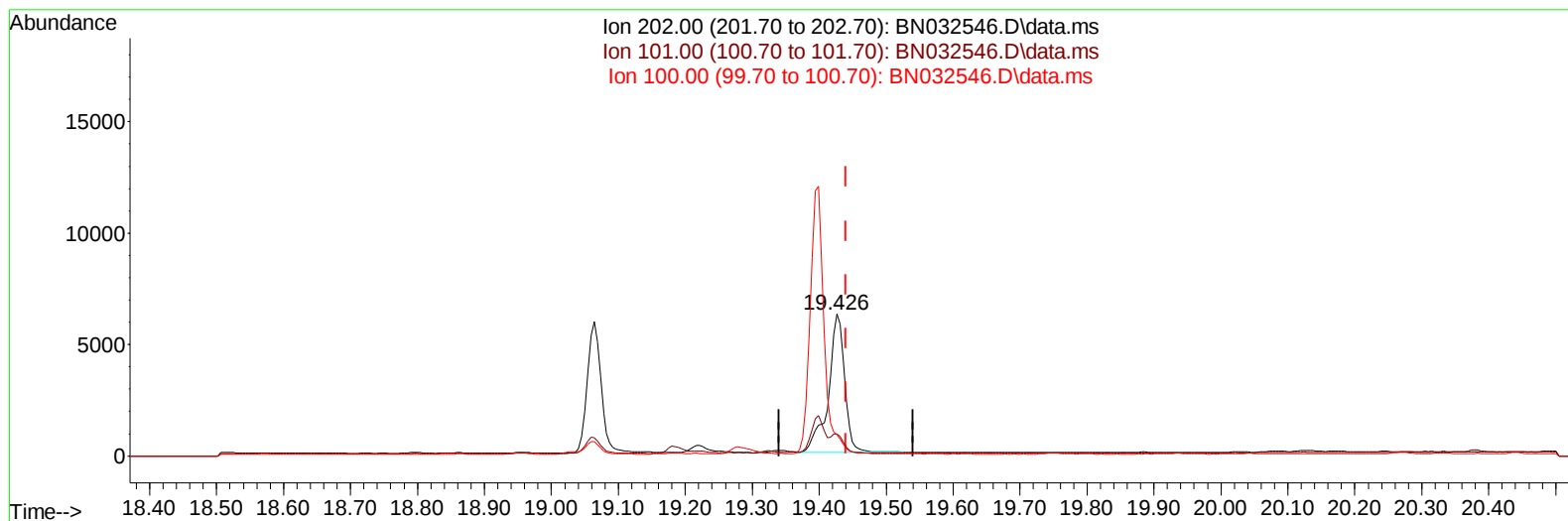
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(20) Pyrene

19.426min (-0.014) 0.14 ng/u1

response 10416

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	15.72
100.00	10.90	15.09#
0.00	0.00	0.00

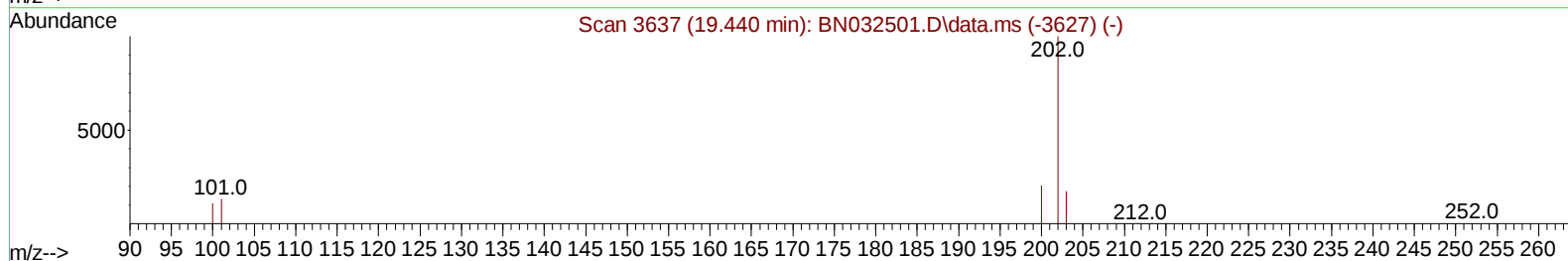
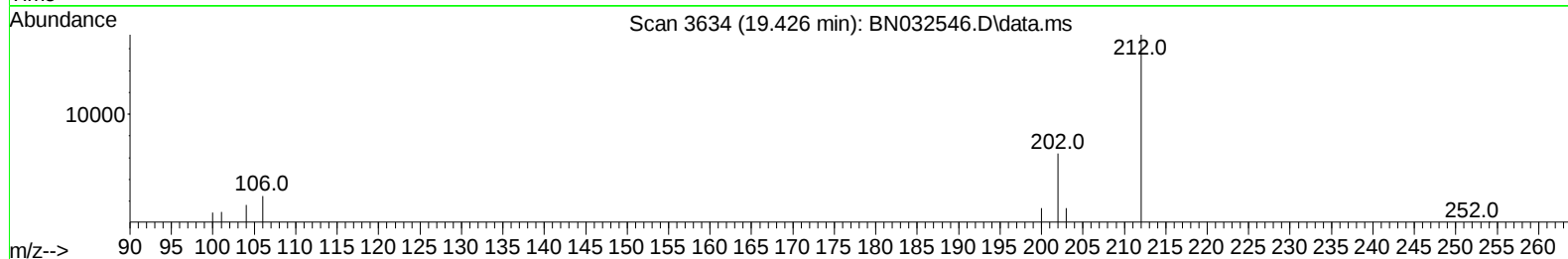
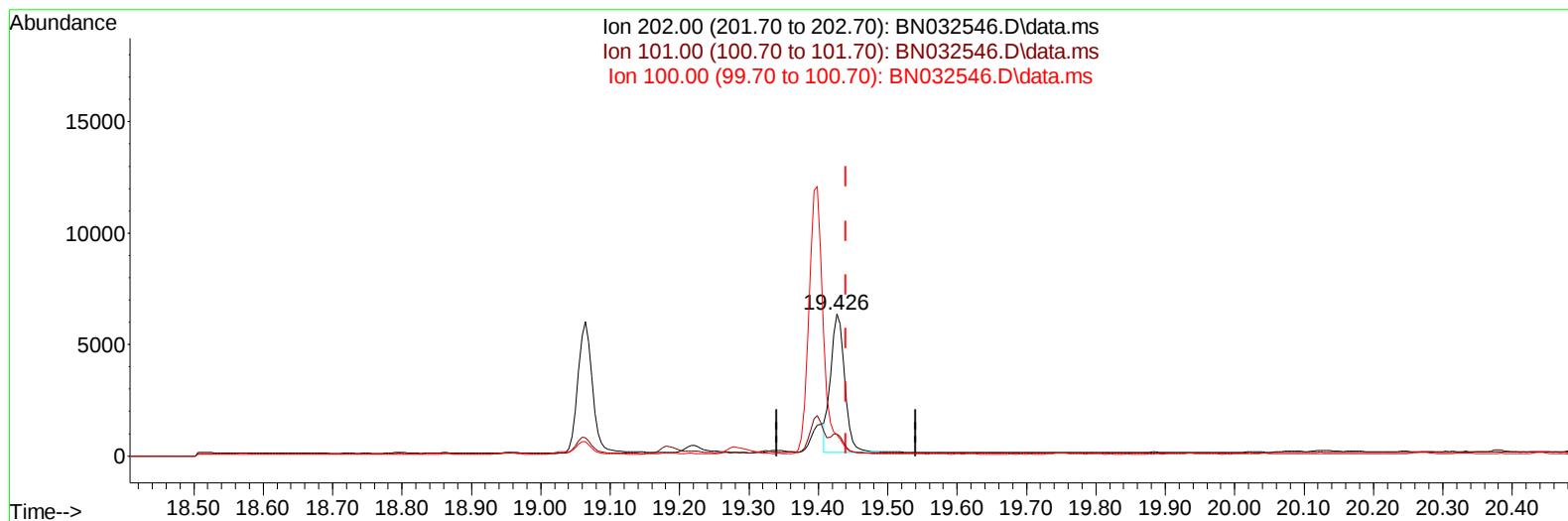
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(20) Pyrene

19.426min (-0.014) 0.12 ng/u1 m

response 8733

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.70	15.72
100.00	10.90	15.09#
0.00	0.00	0.00

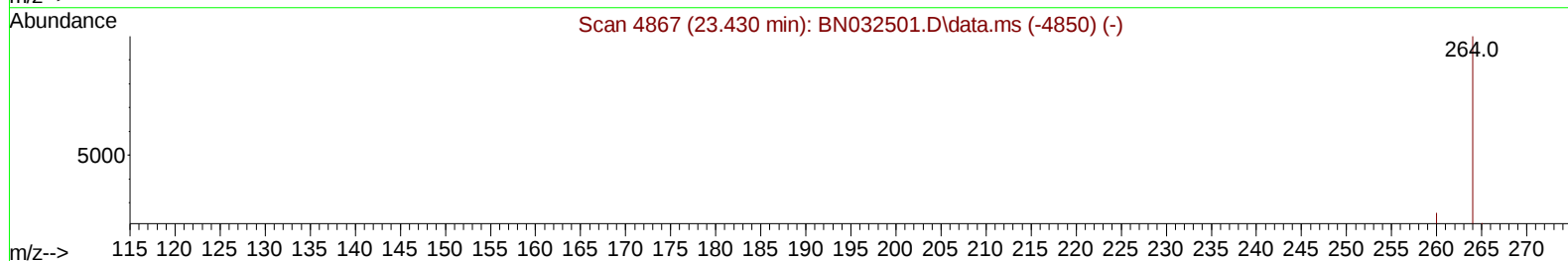
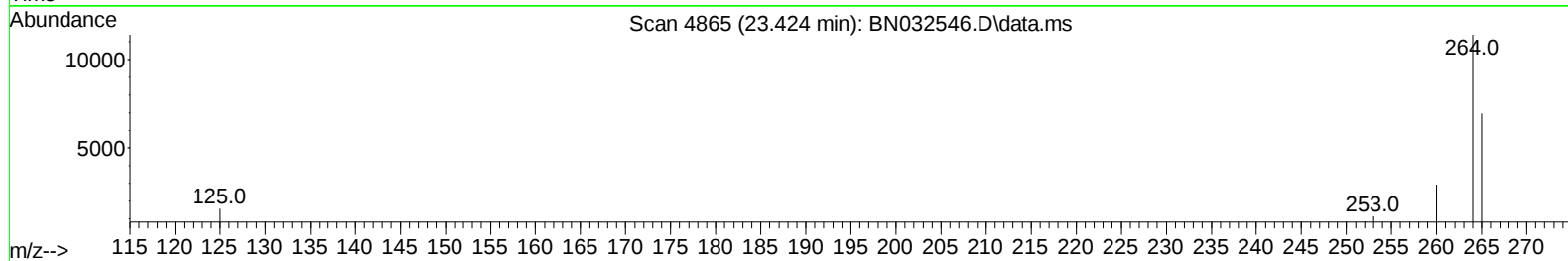
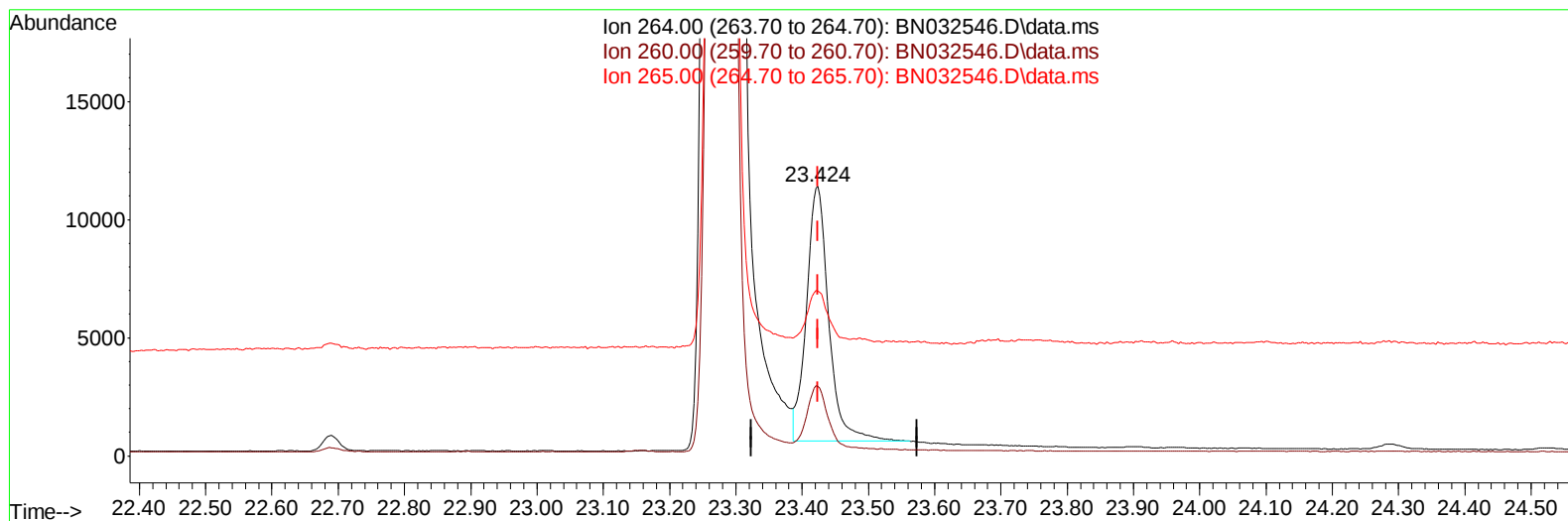
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

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



TIC: BN032546.D\data.ms

(23) Perylene-d12 (I)

23.424min (+ 0.000) 0.40 ng/ul

response 25191

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	25.76
265.00	67.20	61.14
0.00	0.00	0.00

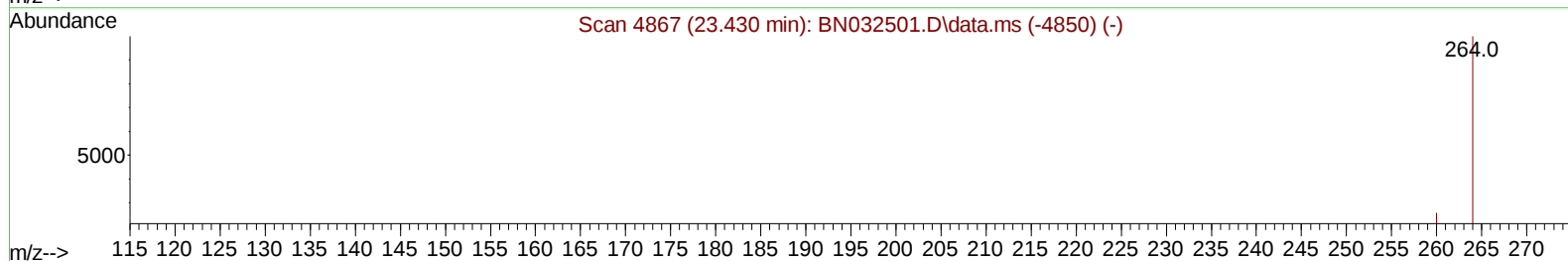
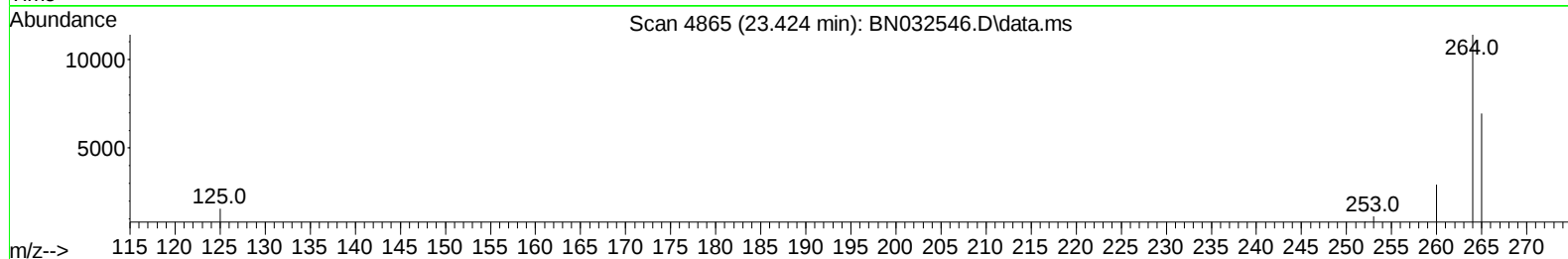
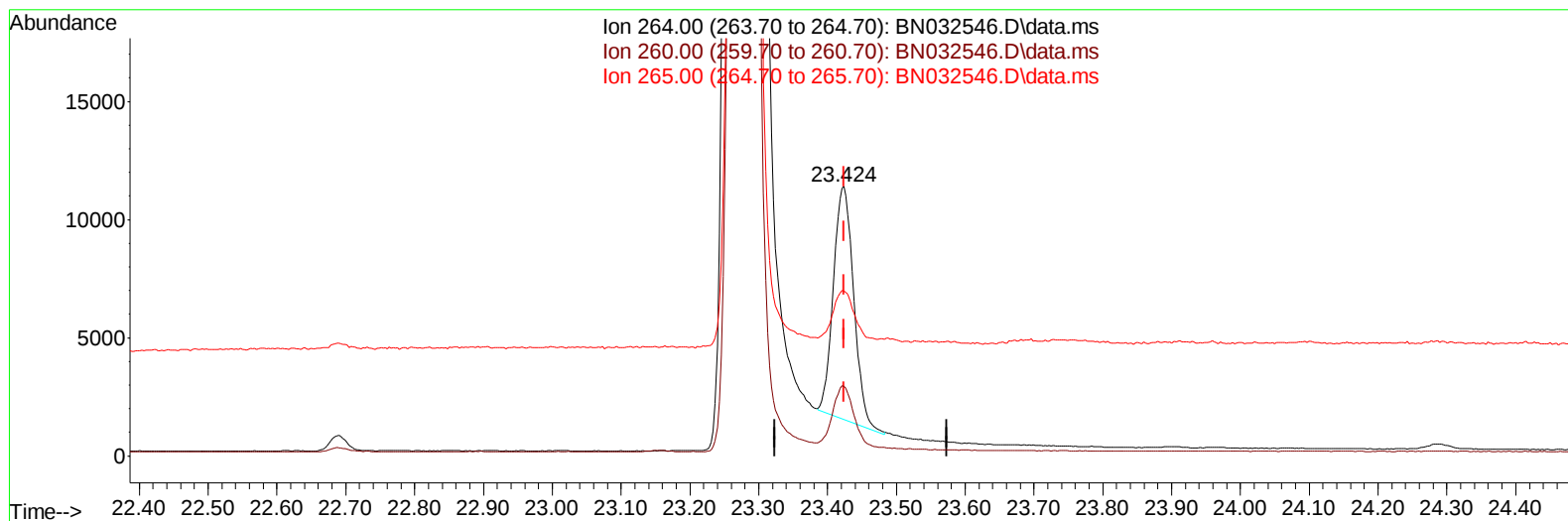
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(23) Perylene-d12 (I)

23.424min (+ 0.000) 0.40 ng/ul m

response 20072

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	25.76
265.00	67.20	61.14
0.00	0.00	0.00

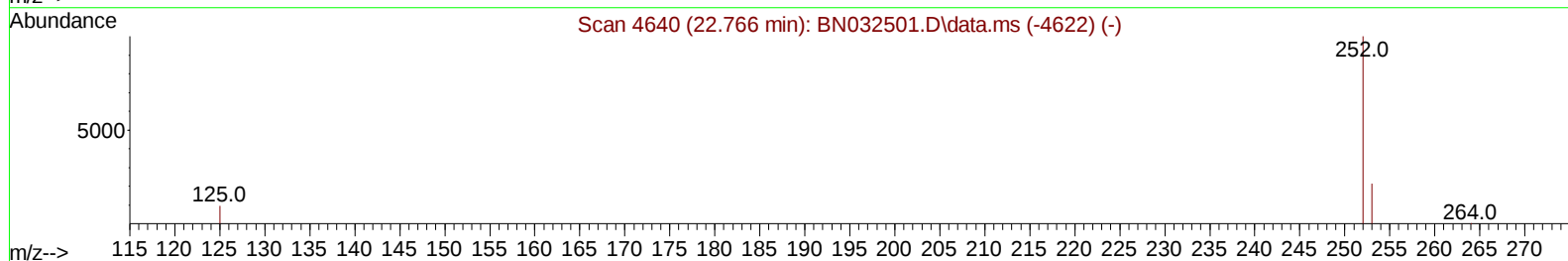
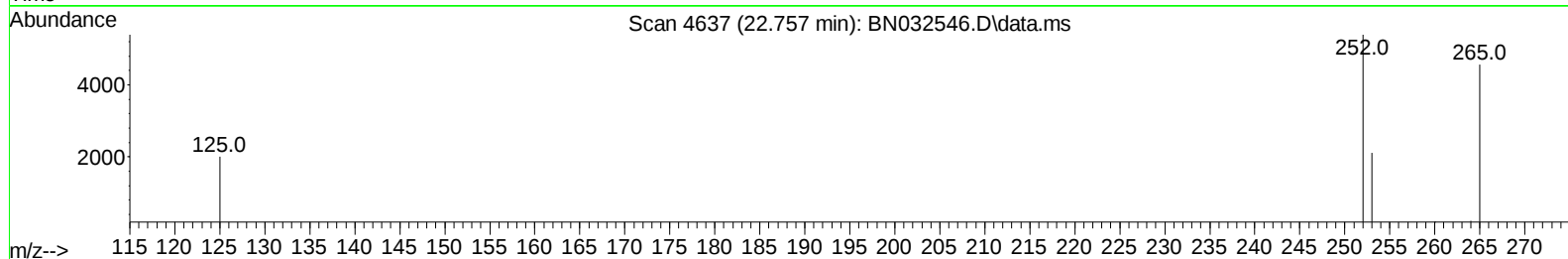
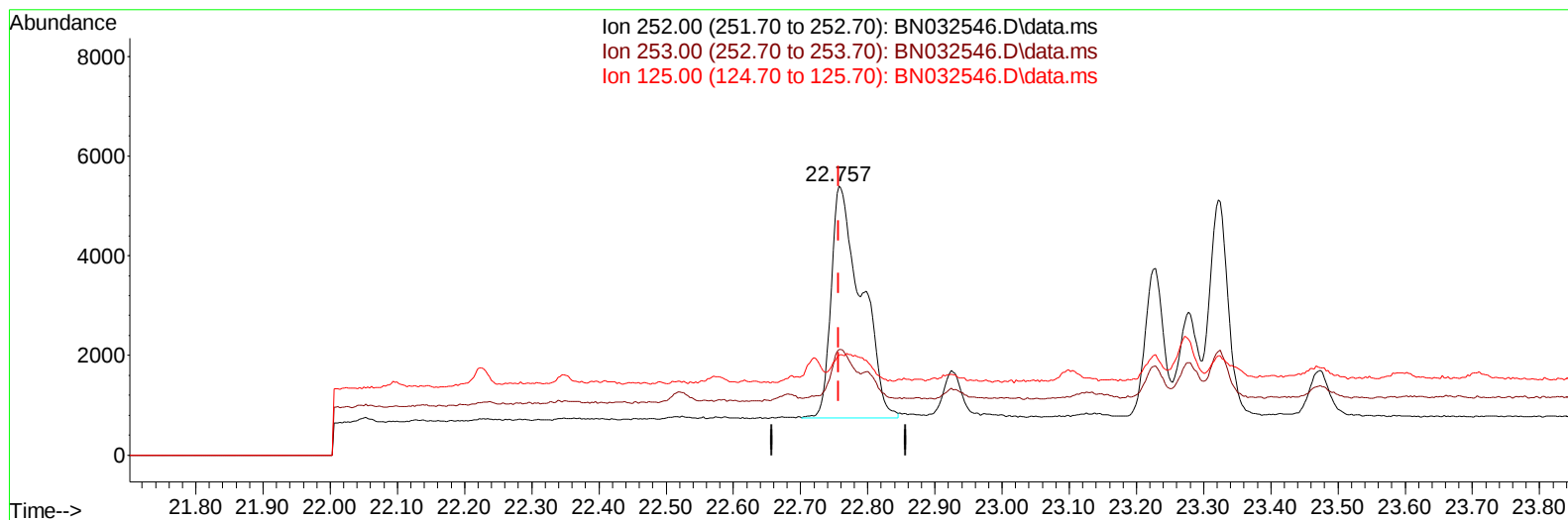
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Response via : Initial Calibration

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



TIC: BN032546.D\data.ms

(24) Benzo(b)fluoranthene

22.757min (0.000) 0.17 ng/u1

response 14478

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	39.25
125.00	16.00	37.16#
0.00	0.00	0.00

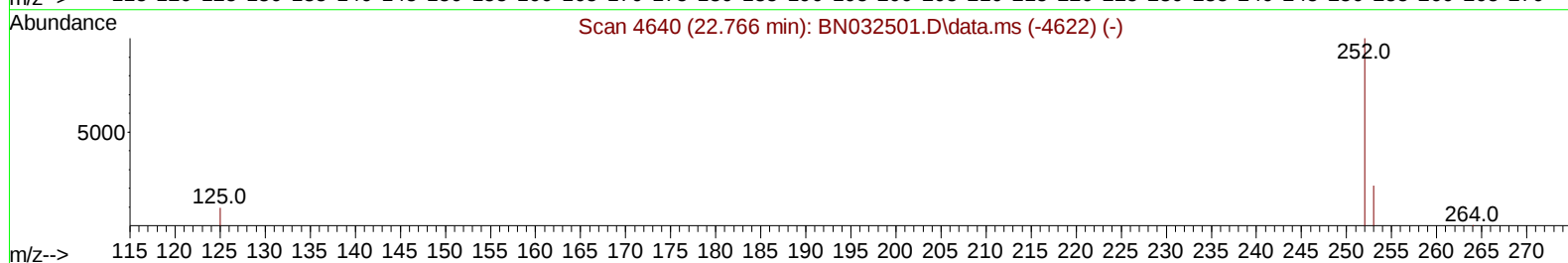
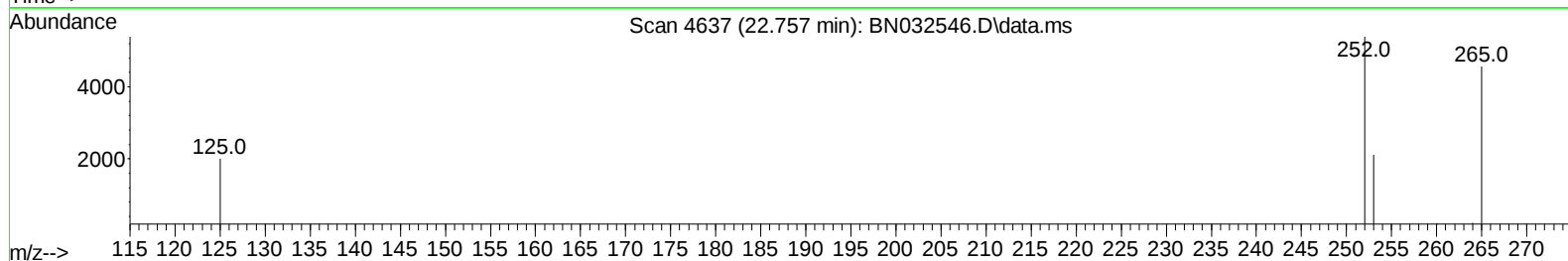
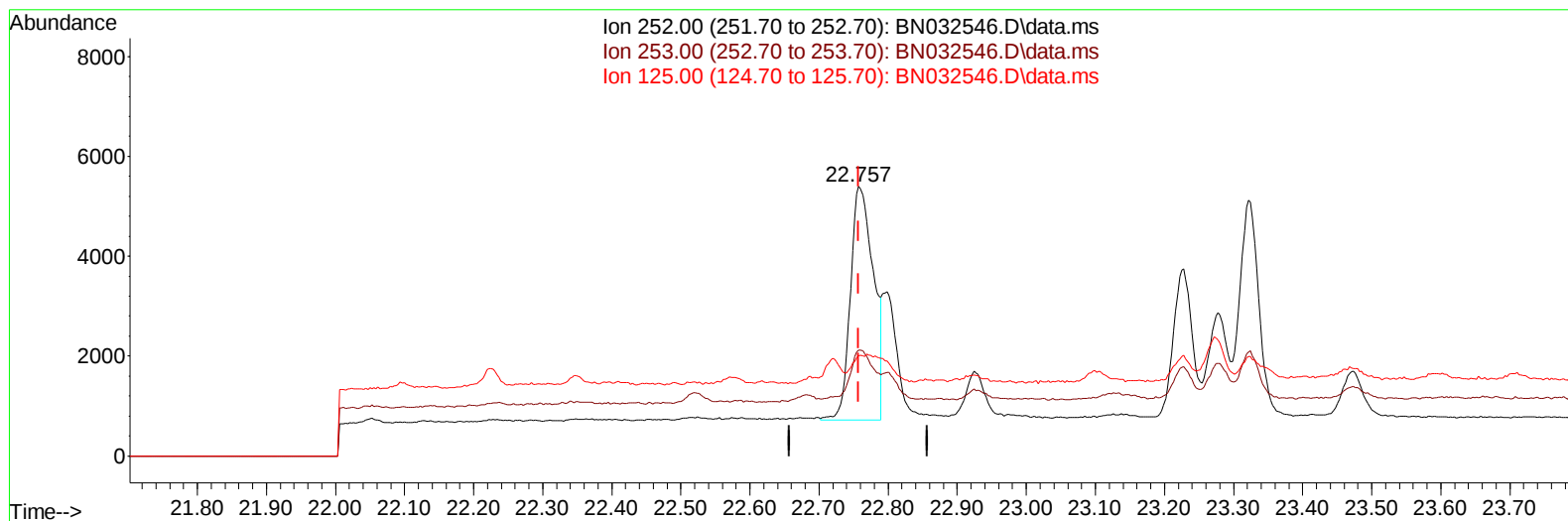
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

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

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(24) Benzo(b)fluoranthene

22.757min (0.000) 0.13 ng/u1 m

response 10981

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	39.25
125.00	16.00	37.16#
0.00	0.00	0.00

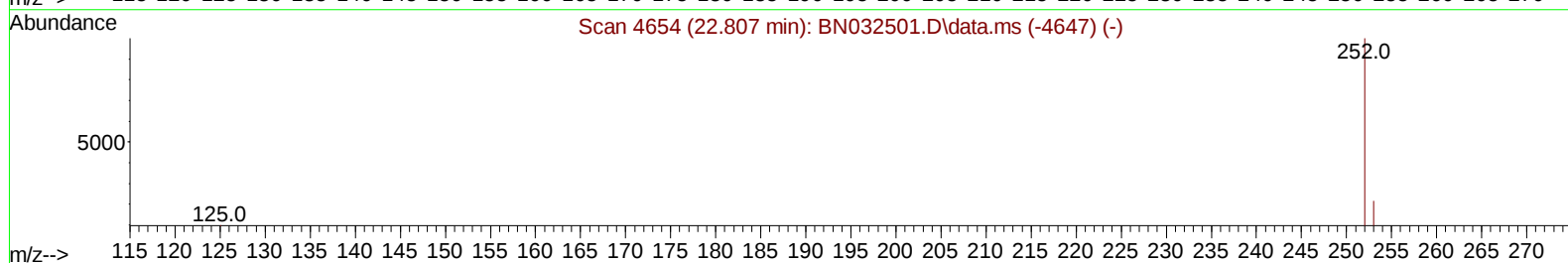
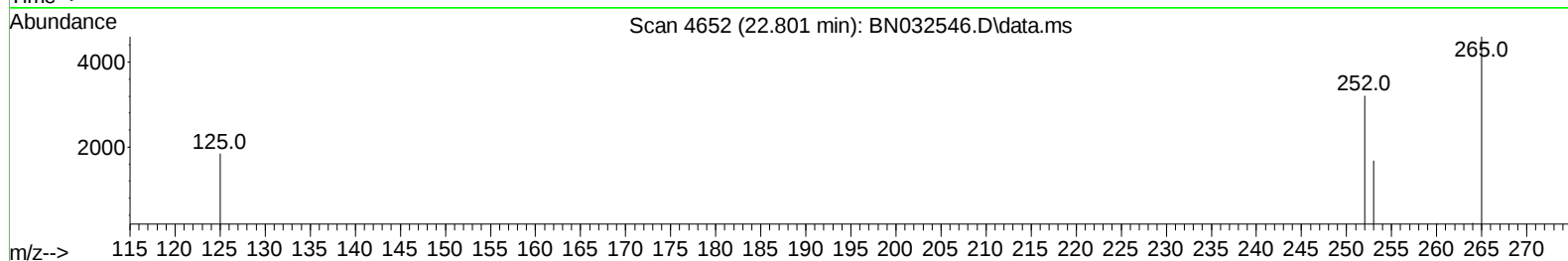
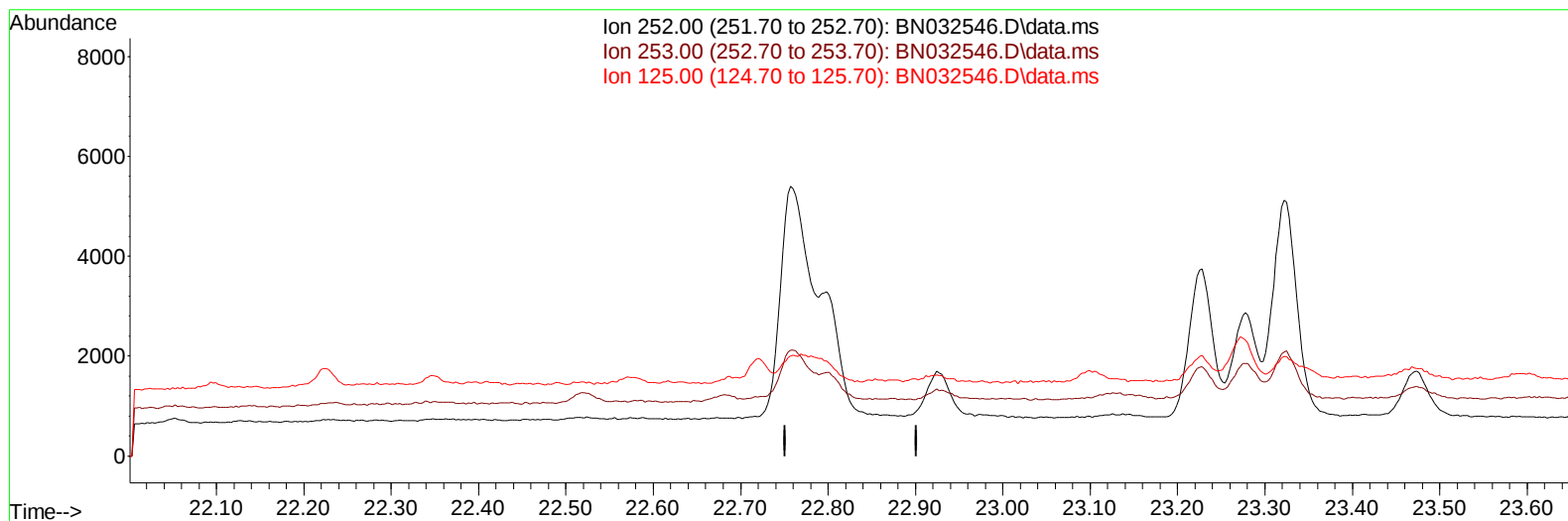
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.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

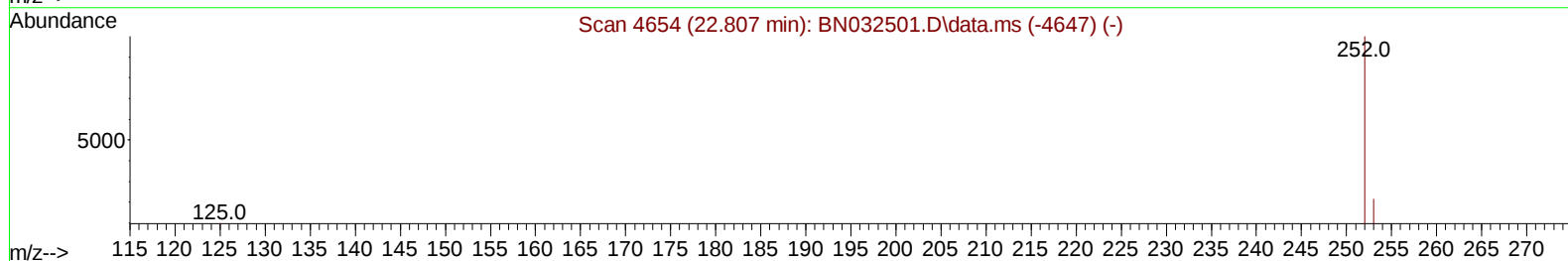
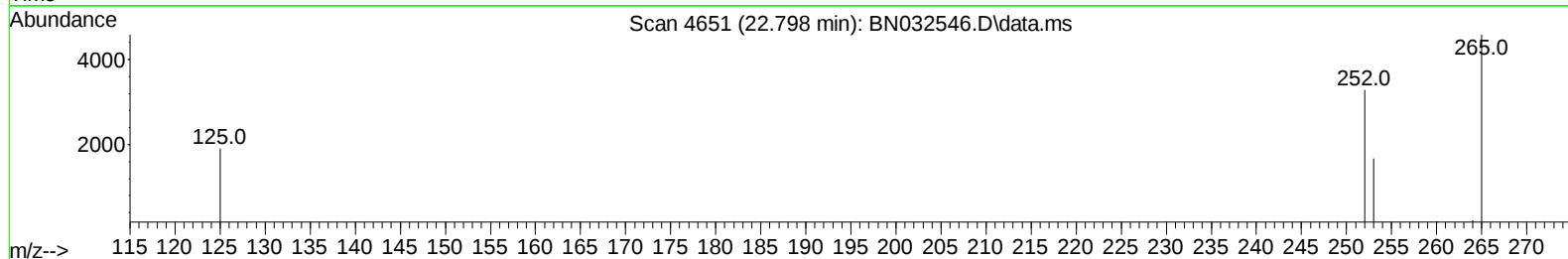
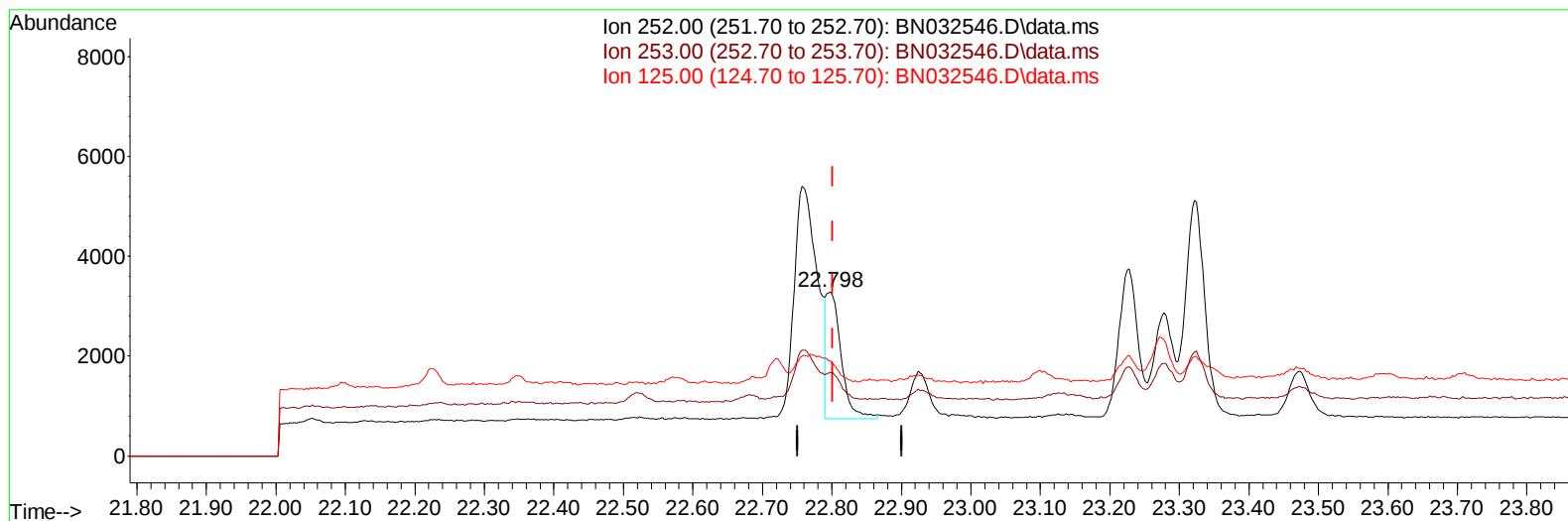
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
Data File : BN032546.D
Acq On : 06 Jul 2024 14:49
Operator : MA/JU
Sample : P2982-20
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4BC2

Manual IntegrationsAPPROVED

Quant Time: Jul 07 23:45:45 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: BN032546.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 0.04 ng/u1 m

response 3767

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	50.87#
125.00	16.00	57.89#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070524\
 Data File : BN032546.D
 Acq On : 06 Jul 2024 14:49
 Operator : MA/JU
 Sample : P2982-20
 Misc :
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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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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.586	152		6415	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.360	136		18890	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.235	164		10512	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.991	188		20741m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.211	240		18545m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264		20072m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.135	96		23971	3.362	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.966	152		5438	0.192	ng/ul	-0.01
18) Fluoranthene-d10	19.031	212		11530	0.207	ng/ul	-0.01
Target Compounds							Qvalue
10) Acenaphthylene	13.952	152		1298	0.030	ng/ul#	74
15) Phenanthrene	17.033	178		2968m	0.052	ng/ul	
19) Fluoranthene	19.064	202		8600	0.122	ng/ul#	93
20) Pyrene	19.426	202		8733m	0.118	ng/ul	
21) Benzo(a)anthracene	21.197	228		7377	0.110	ng/ul#	88
22) Chrysene	21.247	228		6127	0.083	ng/ul#	89
24) Benzo(b)fluoranthene	22.757	252		10981m	0.126	ng/ul	
25) Benzo(k)fluoranthene	22.798	252		3767m	0.044	ng/ul	
26) Benzo(a)pyrene	23.322	252		8152	0.134	ng/ul#	69
27) Indeno(1,2,3-cd)pyrene	25.670	276		5658	0.060	ng/ul#	97
29) Benzo(g,h,i)perylene	26.354	276		5633	0.074	ng/ul#	73

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

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