

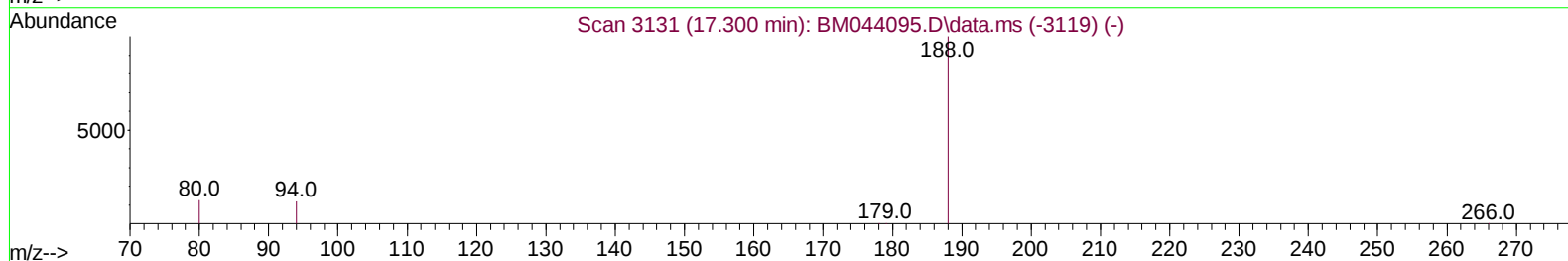
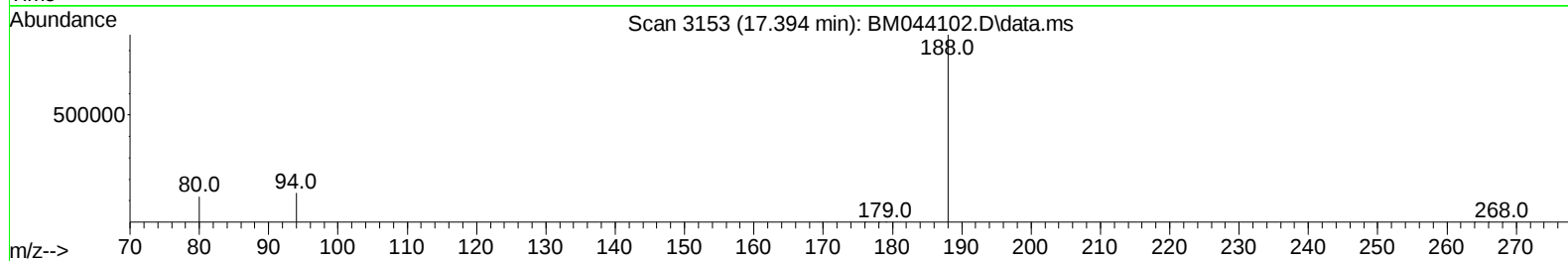
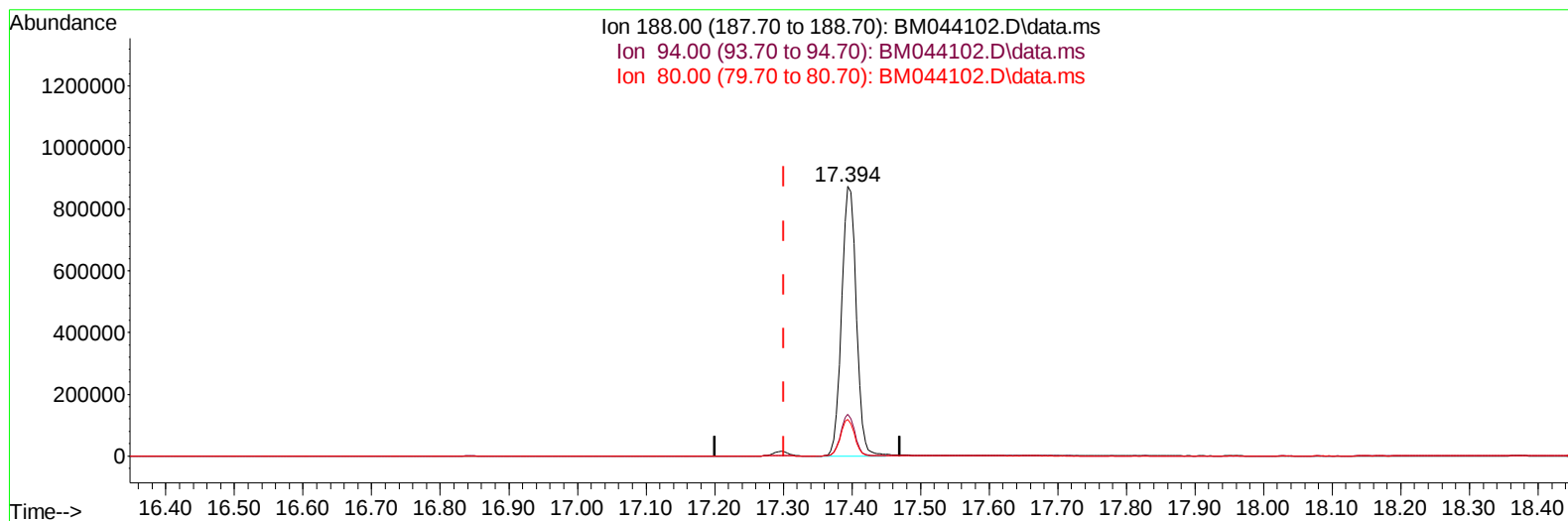
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044102.D\data.ms

(13) Phenanthrene-d10 (I)

17.394min (+ 0.094) 0.40 ng/u1

response 1288664

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	15.48#
80.00	13.40	13.61
0.00	0.00	0.00

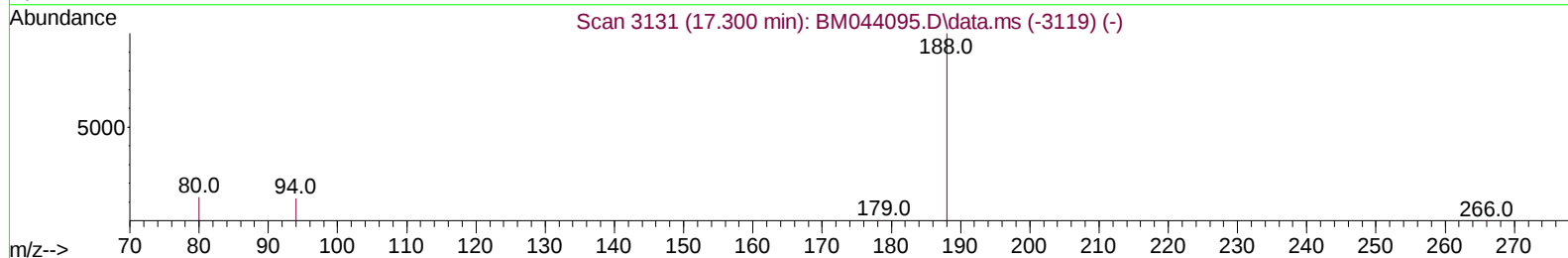
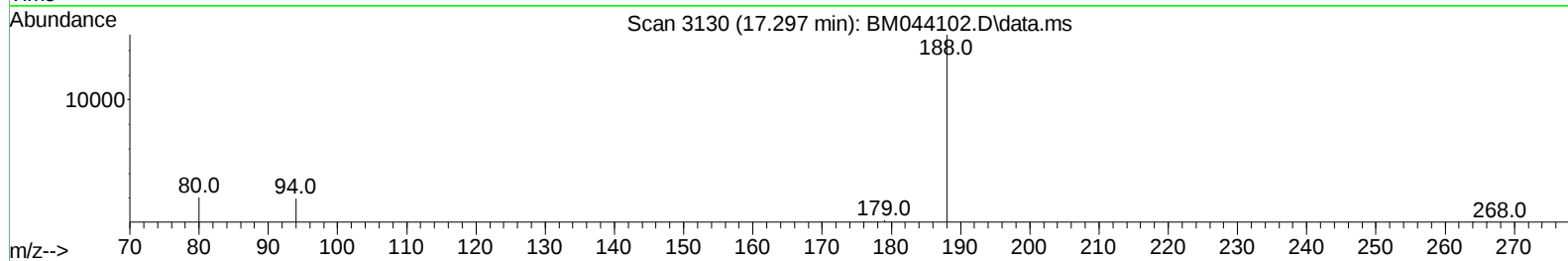
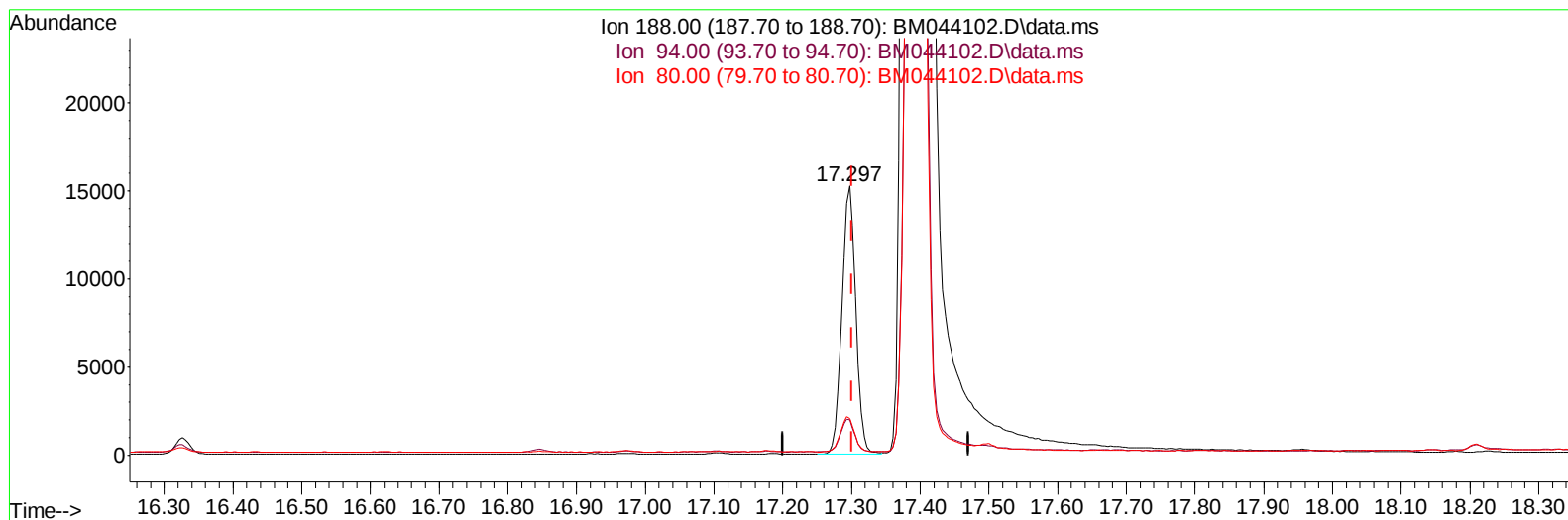
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044102.D\data.ms

(13) Phenanthrene-d10 (I)

17.297min (-0.003) 0.40 ng/ul m

response 21464

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	13.02
80.00	13.40	13.69
0.00	0.00	0.00

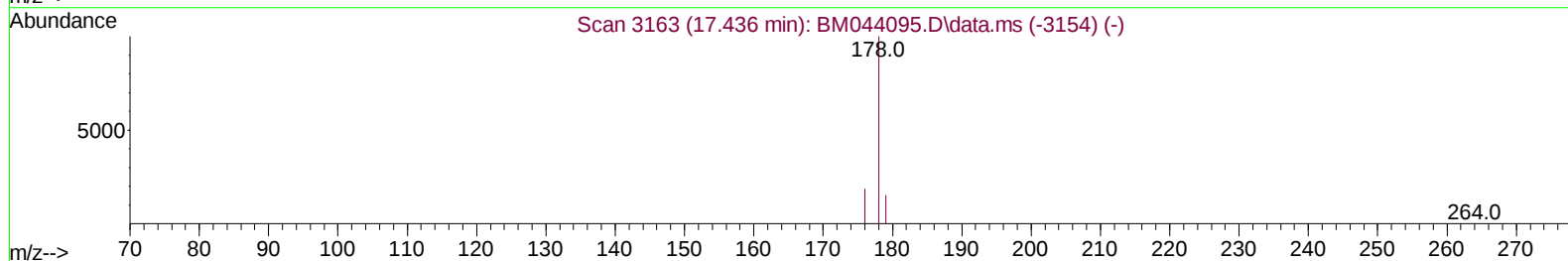
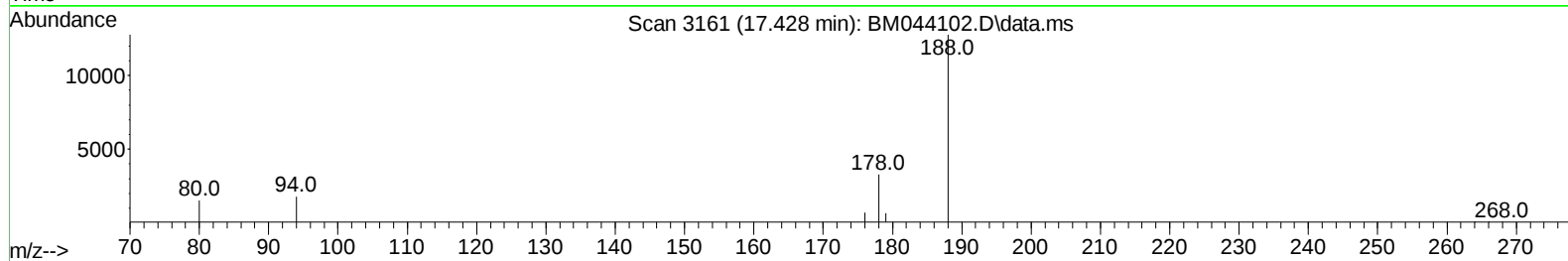
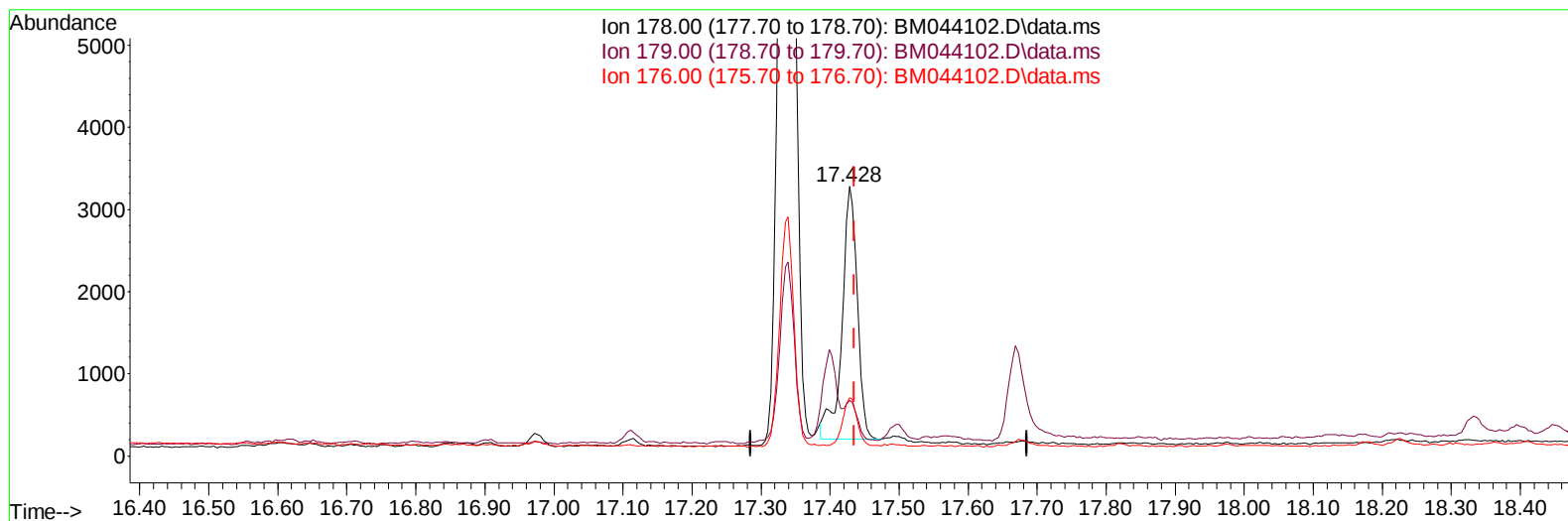
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
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TIC: BM044102.D\data.ms

(16) Anthracene

17.428min (-0.008) 0.07 ng/u1

response 4704

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.00	20.55#
176.00	19.10	21.62
0.00	0.00	0.00

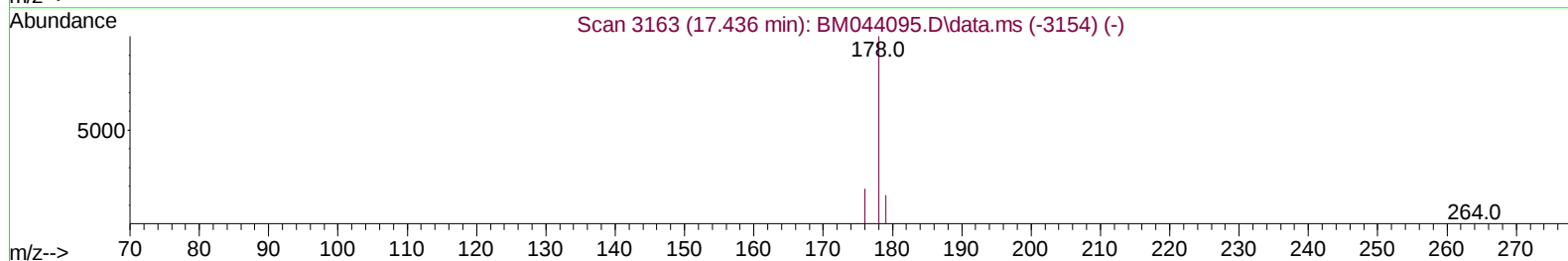
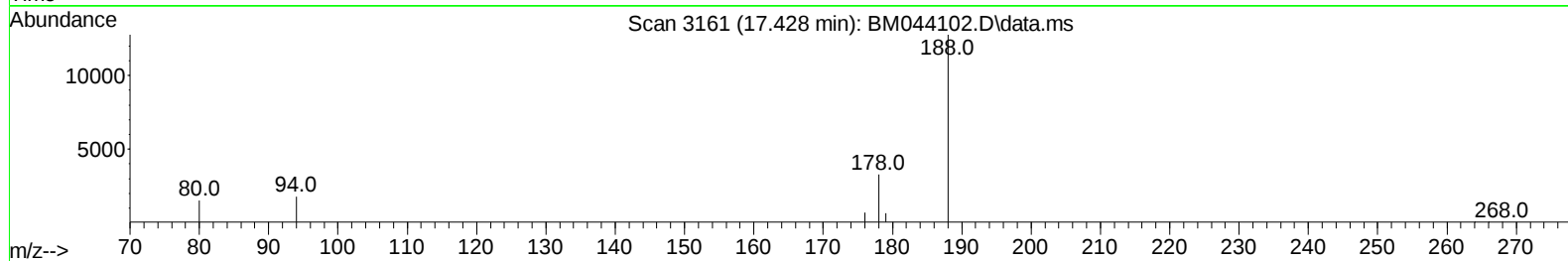
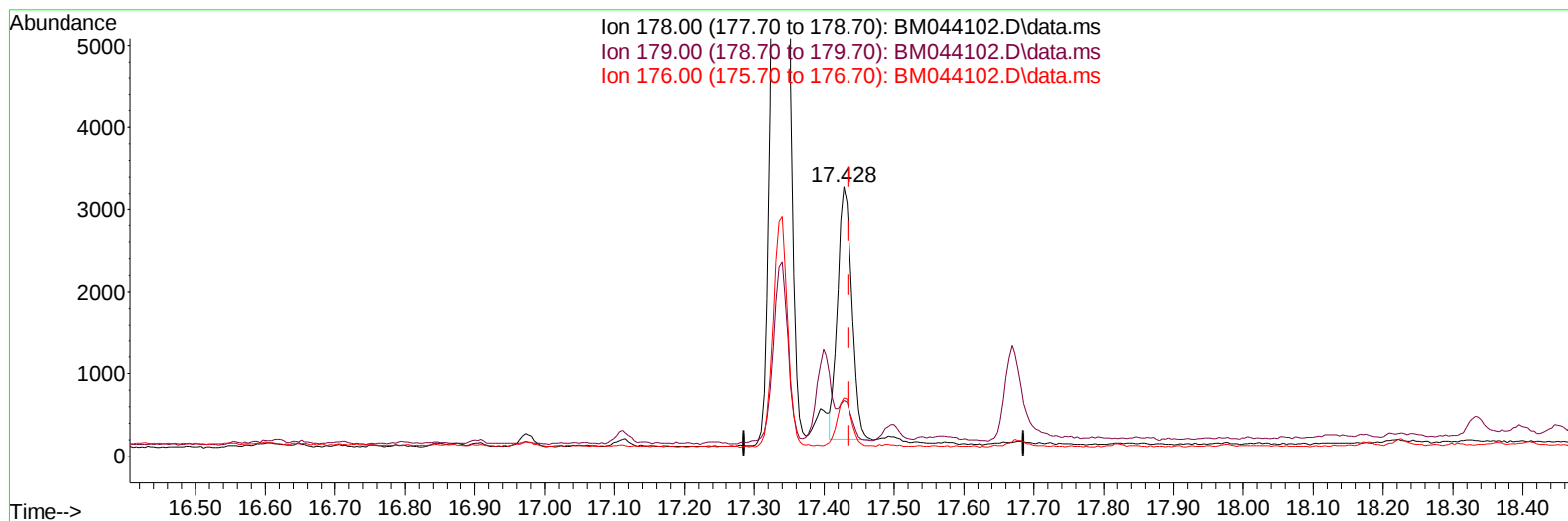
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044102.D\data.ms

(16) Anthracene

17.428min (-0.008) 0.06 ng/u1 m

response 4306

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.00	20.55#
176.00	19.10	21.62
0.00	0.00	0.00

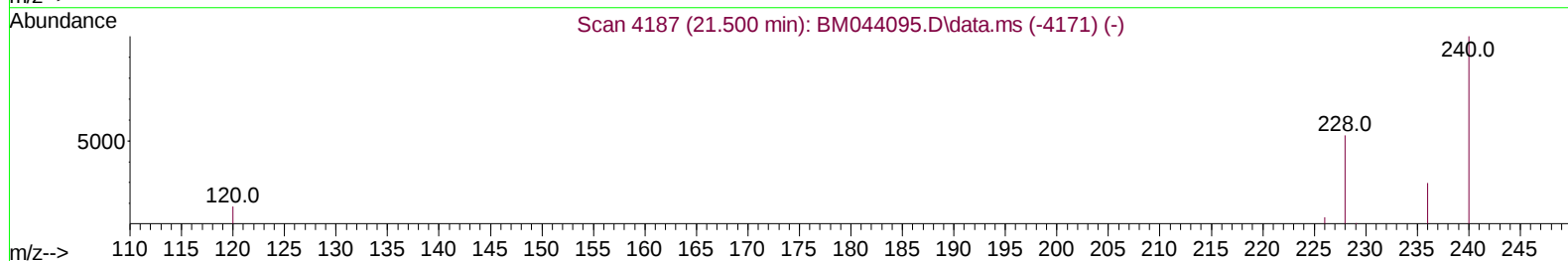
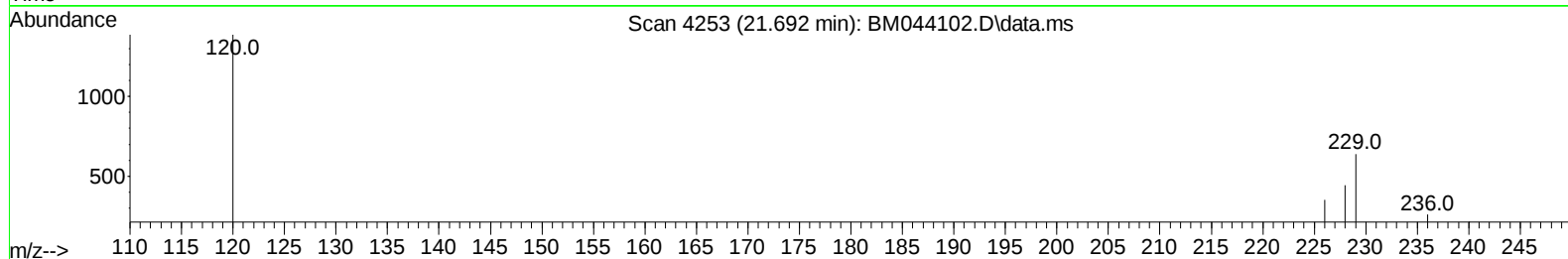
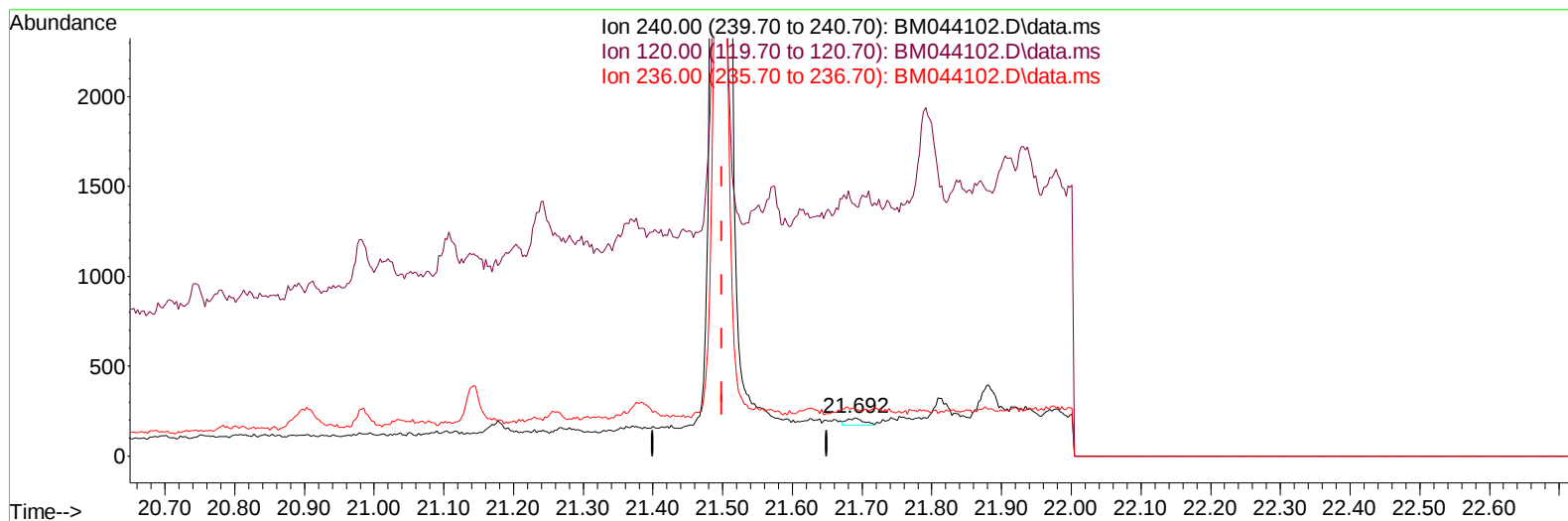
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(17) Chrysene-d12

21.692min (+ 0.192) 0.40 ng/u1

response 60

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	654.25#
236.00	30.60	121.70#
0.00	0.00	0.00

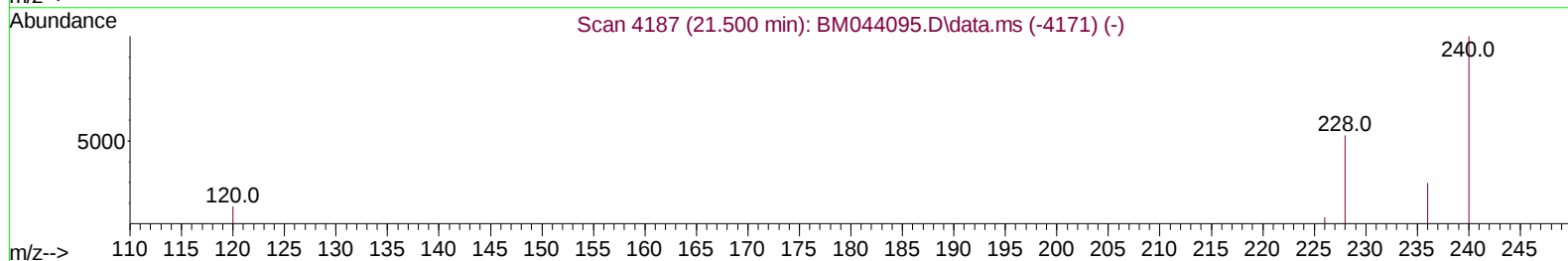
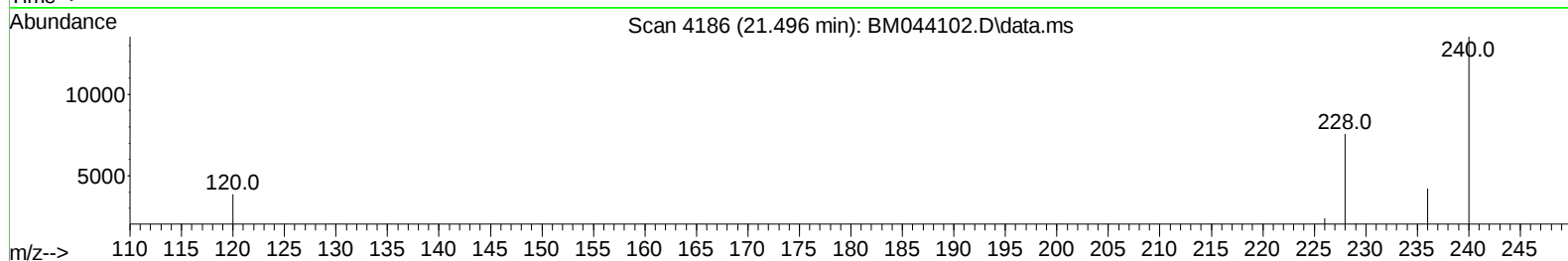
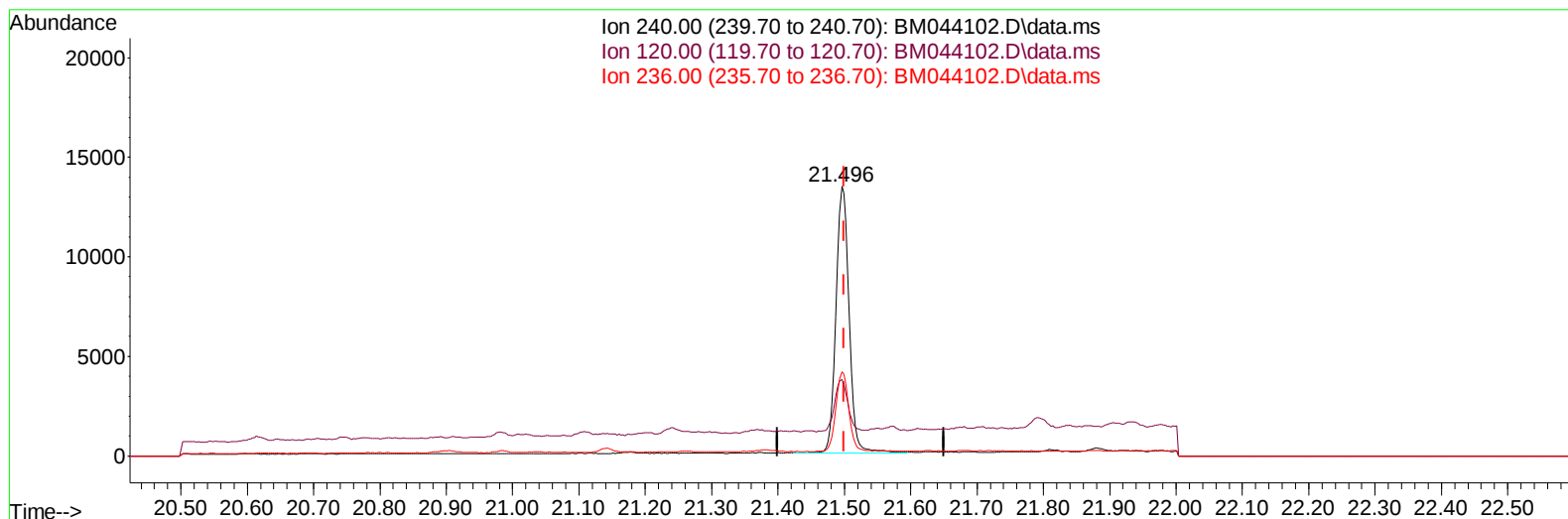
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
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TIC: BM044102.D\data.ms

(17) Chrysene-d12

21.496min (-0.004) 0.40 ng/ul m

response 18157

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	20.50	28.49#
236.00	30.60	31.28
0.00	0.00	0.00

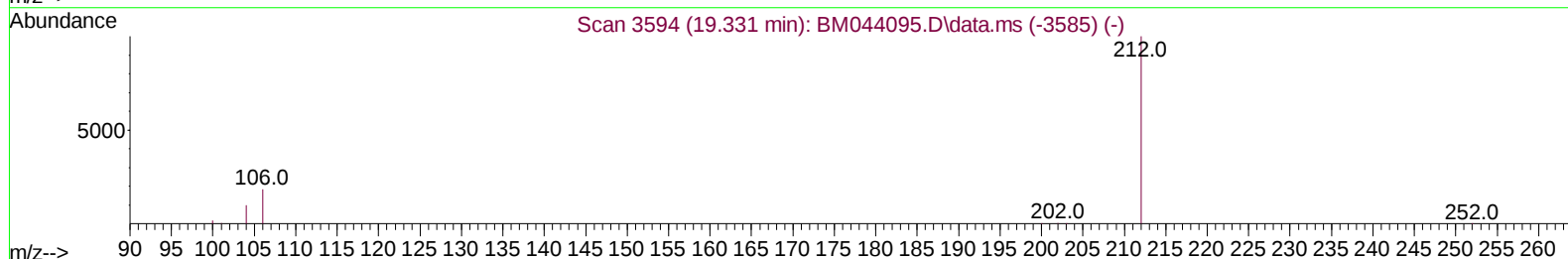
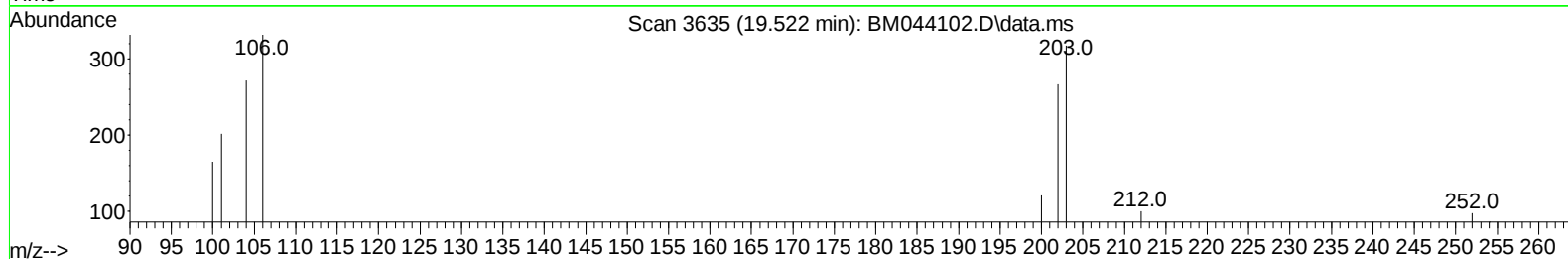
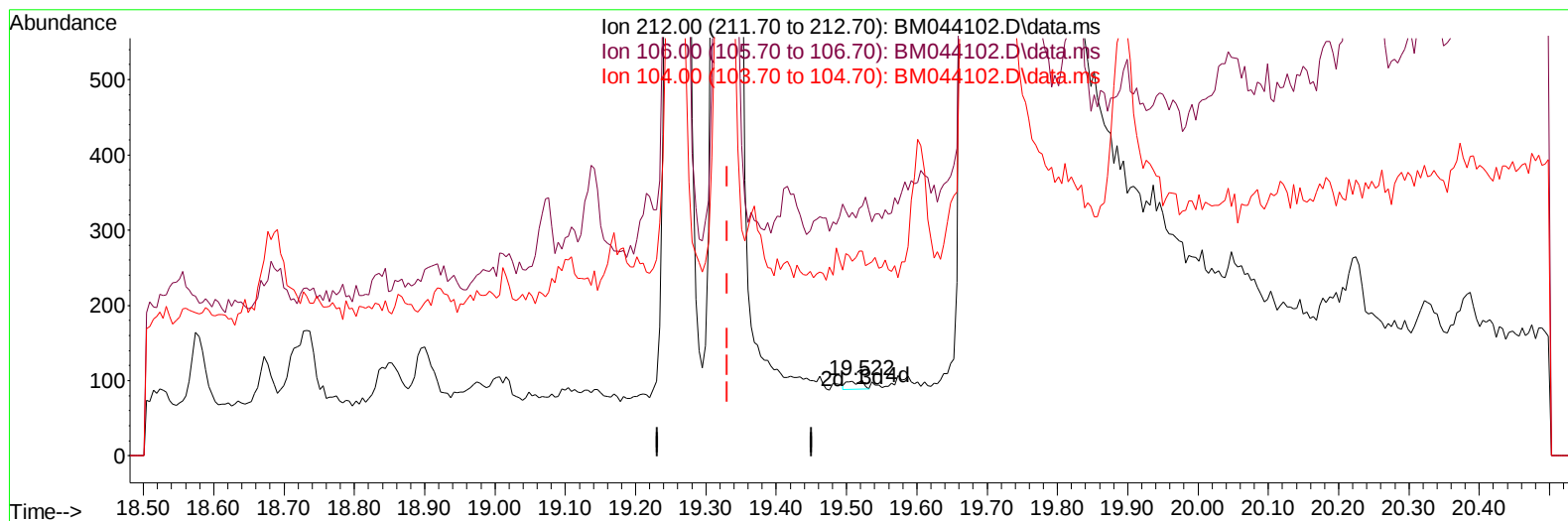
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
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QLast Update : Thu Feb 15 13:40:24 2024
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TIC: BM044102.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.522min (+ 0.192) 0.00 ng/u1

response 17

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	18.40	170.59#
104.00	10.10	82.35#
0.00	0.00	0.00

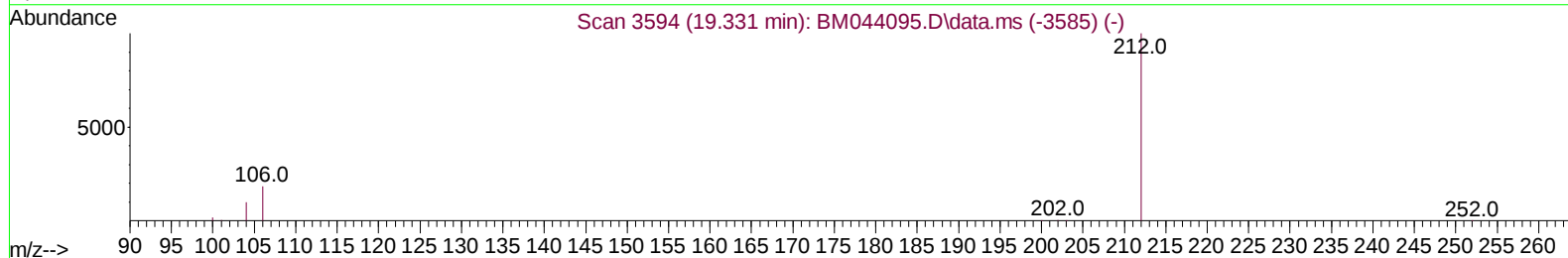
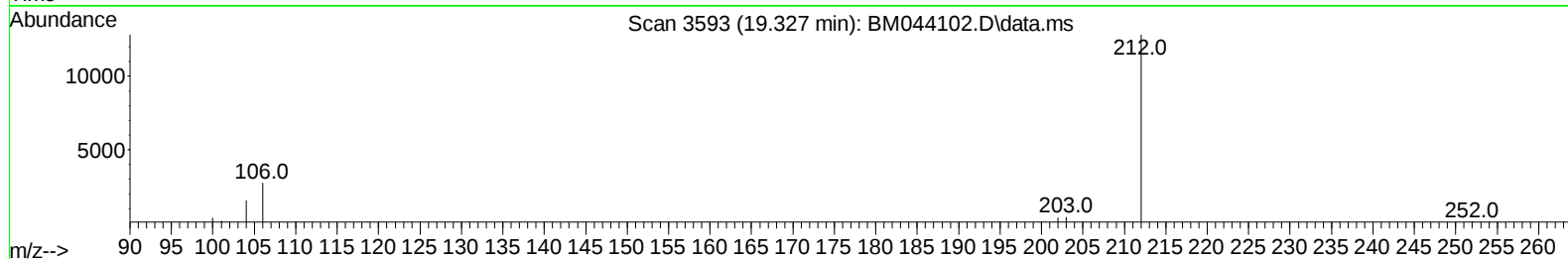
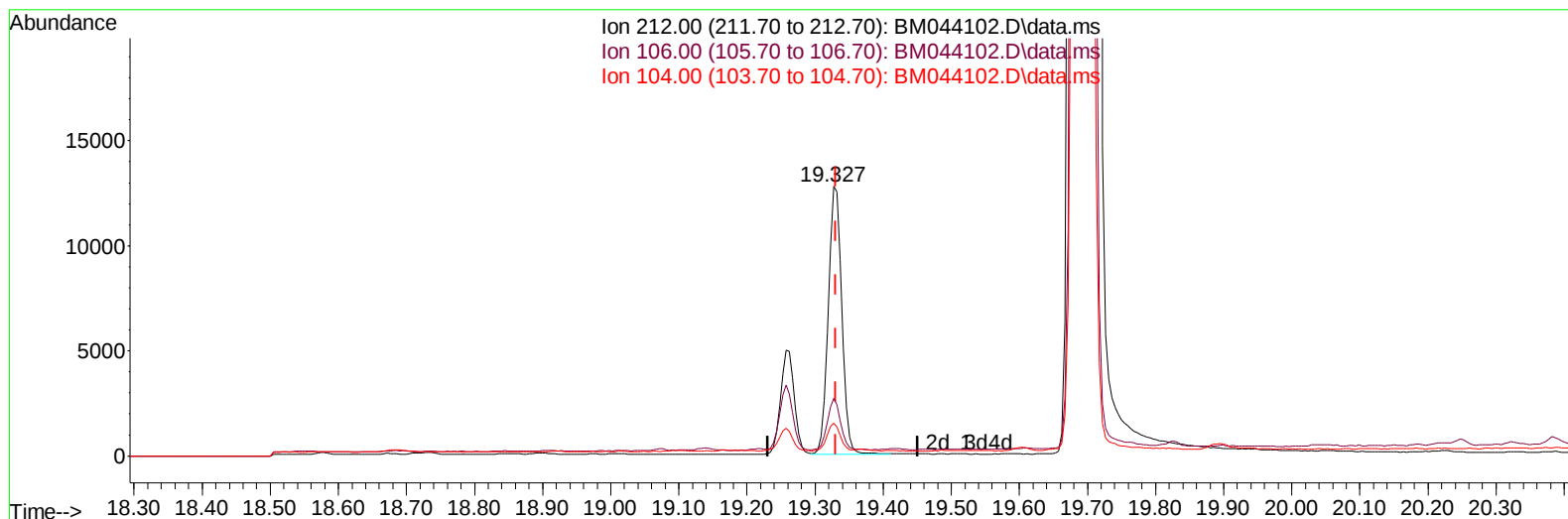
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044102.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.327min (-0.004) 0.33 ng/u1 m

response 17619

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	18.40	0.16#
104.00	10.10	0.08#
0.00	0.00	0.00

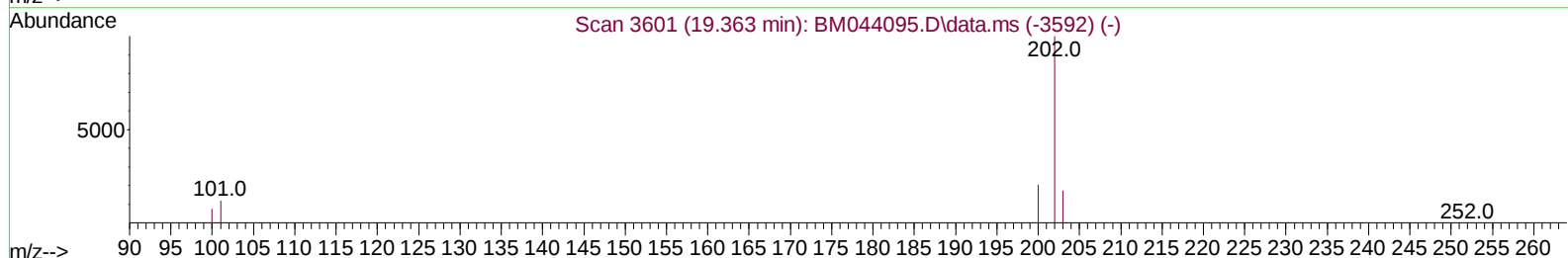
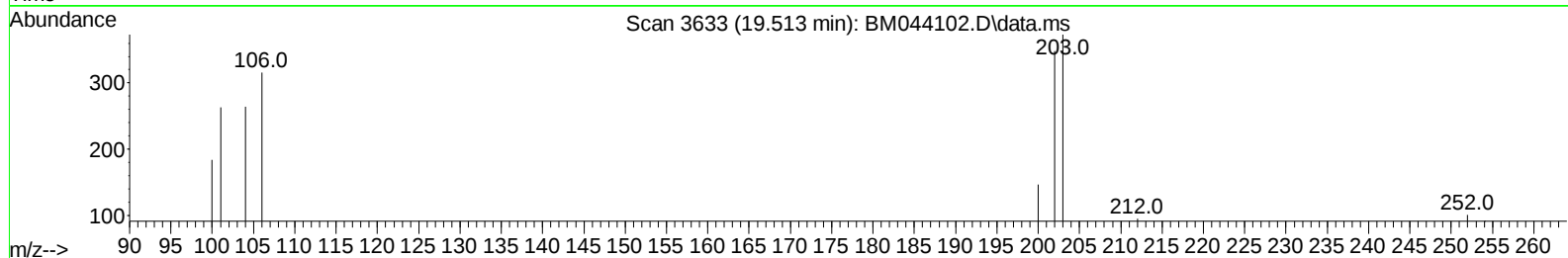
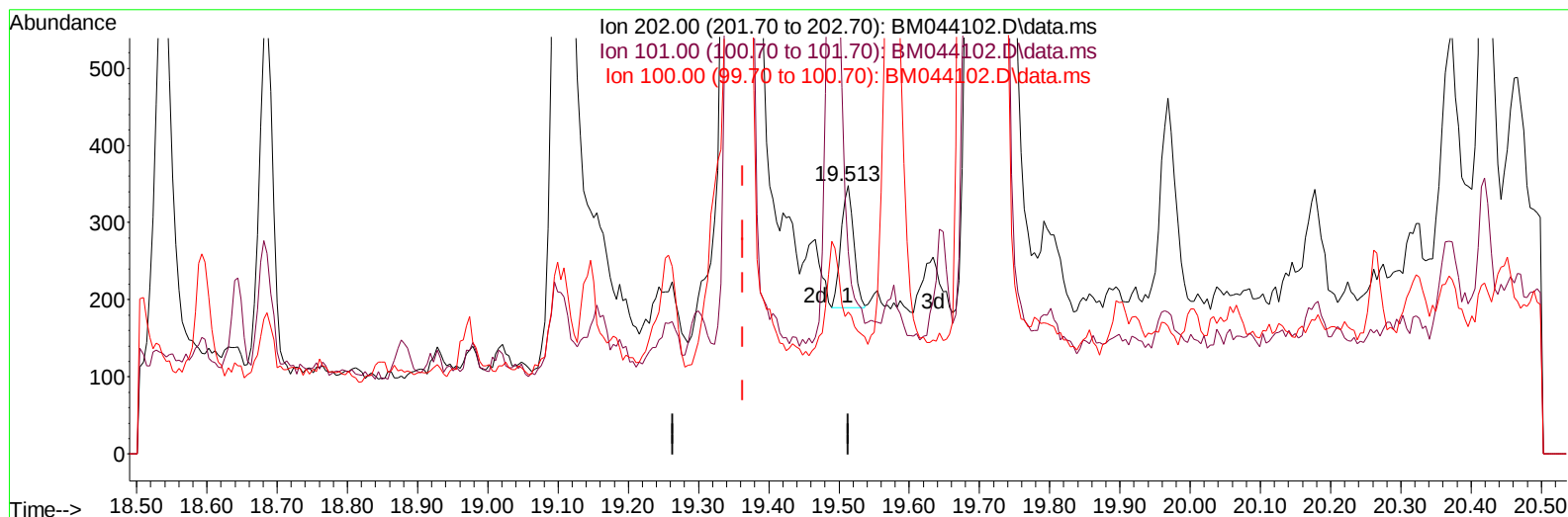
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044102.D
 Acq On : 15 Feb 2024 15:30
 Operator : MA/JU
 Sample : P1329-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
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TIC: BM044102.D\data.ms

(19) Fluoranthene (C)

19.513min (+ 0.150) 0.00 ng/u1

response 201

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.20	75.57#
100.00	8.70	52.87#
0.00	0.00	0.00

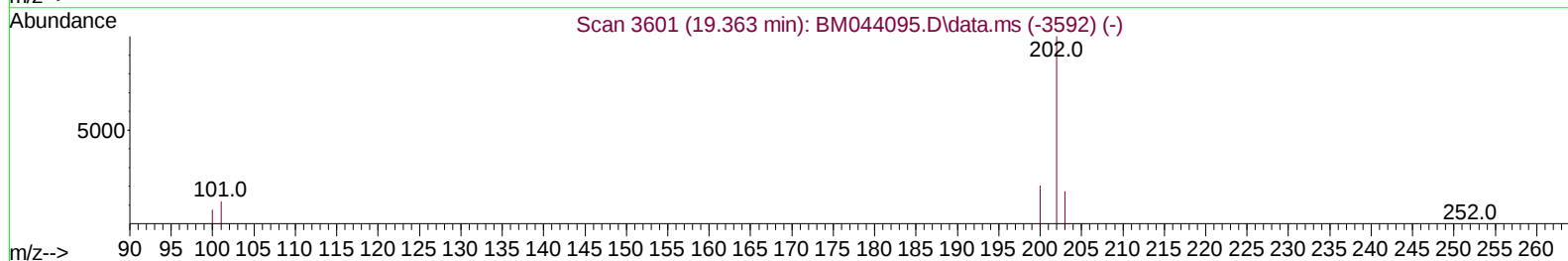
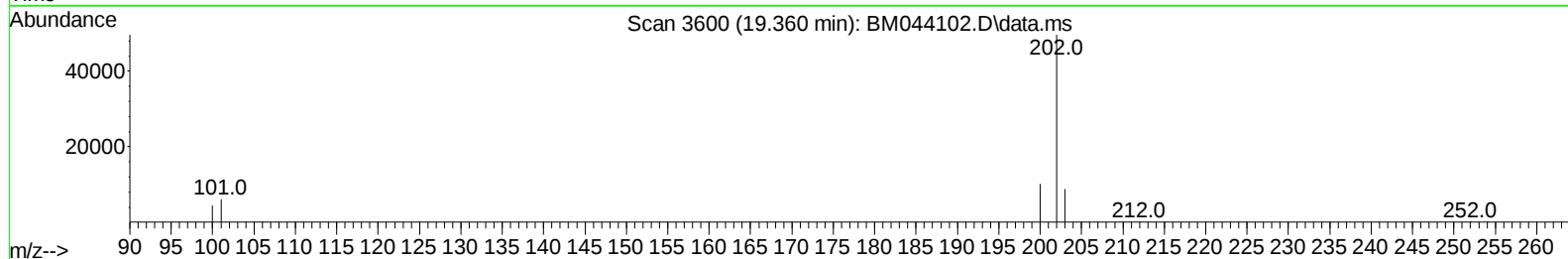
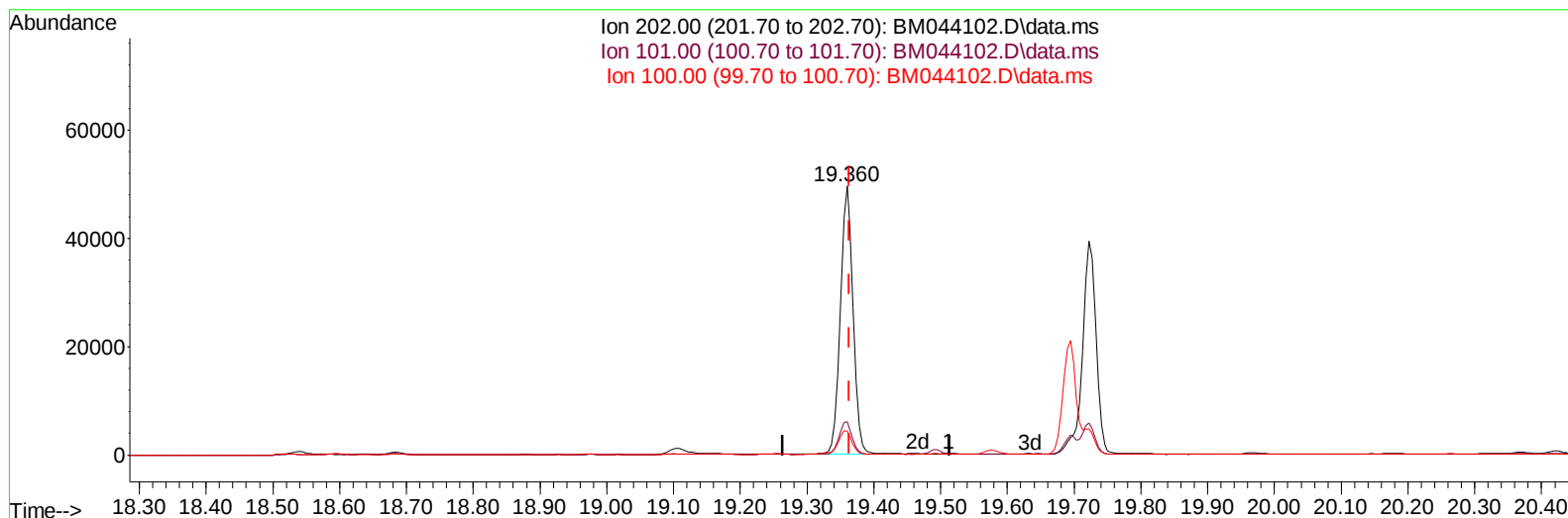
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
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TIC: BM044102.D\data.ms

(19) Fluoranthene (C)

19.360min (-0.004) 0.80 ng/ul m

response 66630

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	12.20	12.33
100.00	8.70	8.93
0.00	0.00	0.00

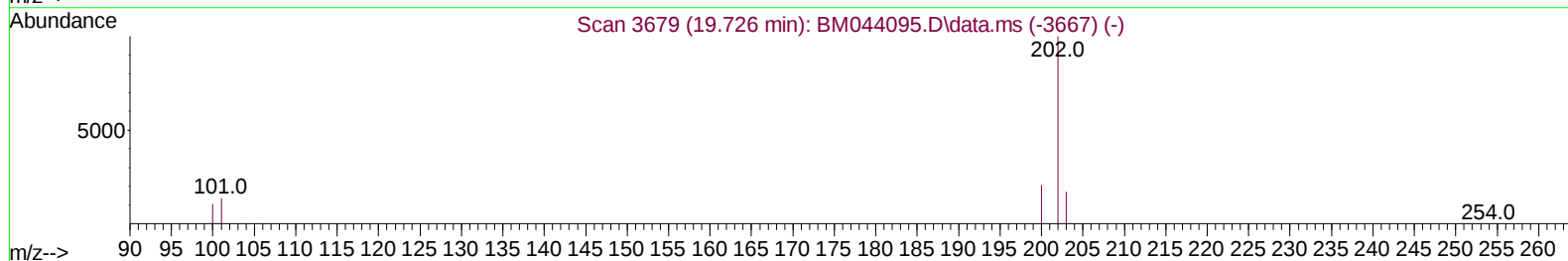
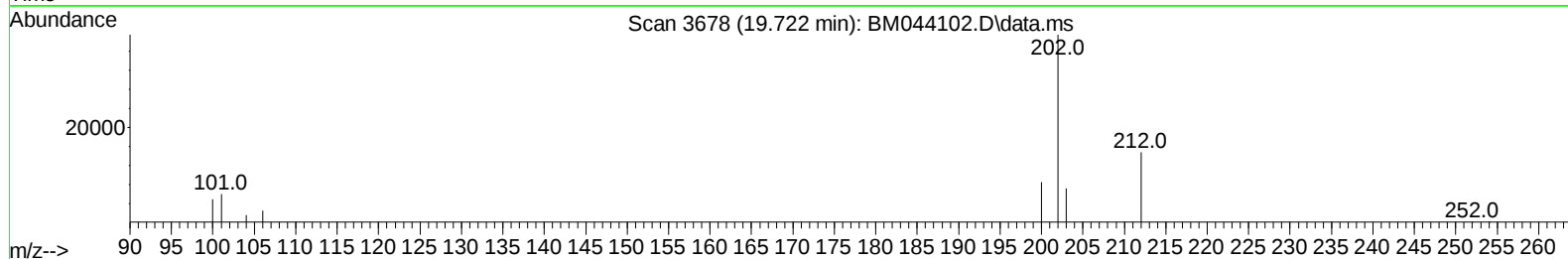
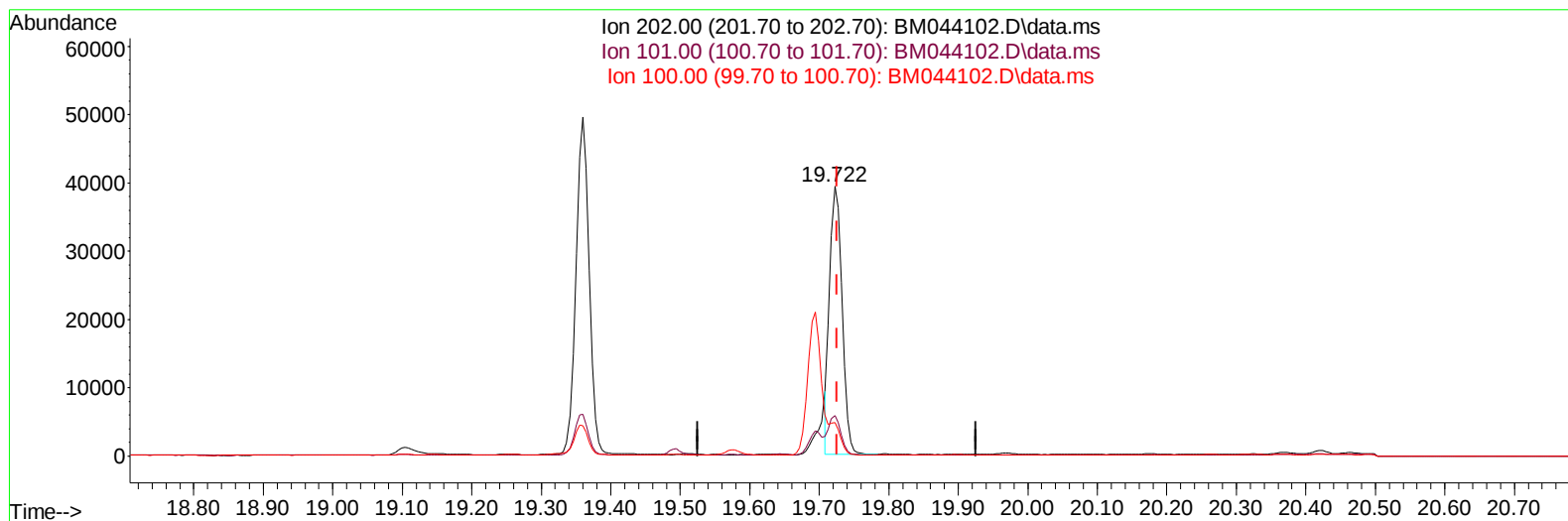
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(20) Pyrene

19.722min (-0.004) 0.55 ng/u1

response 48039

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.00	15.08
100.00	10.80	12.38
0.00	0.00	0.00

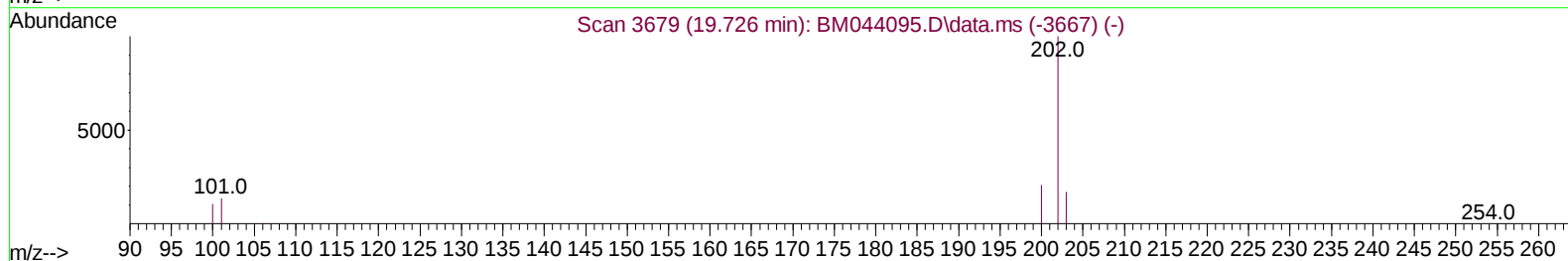
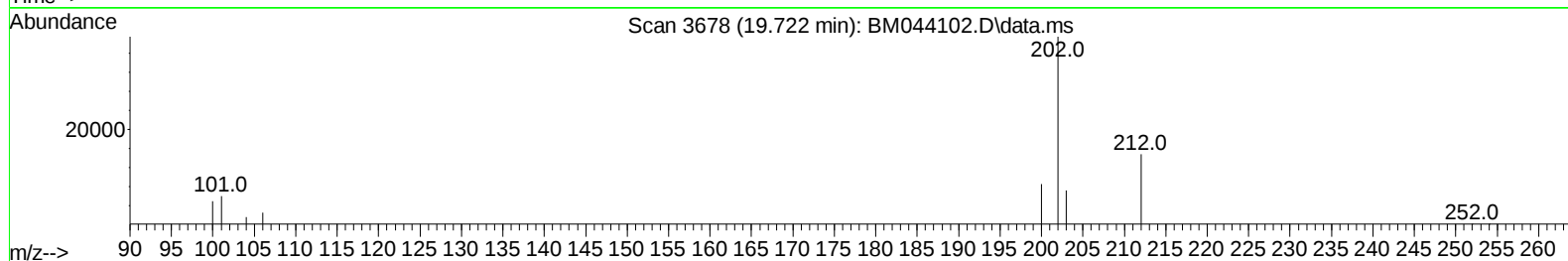
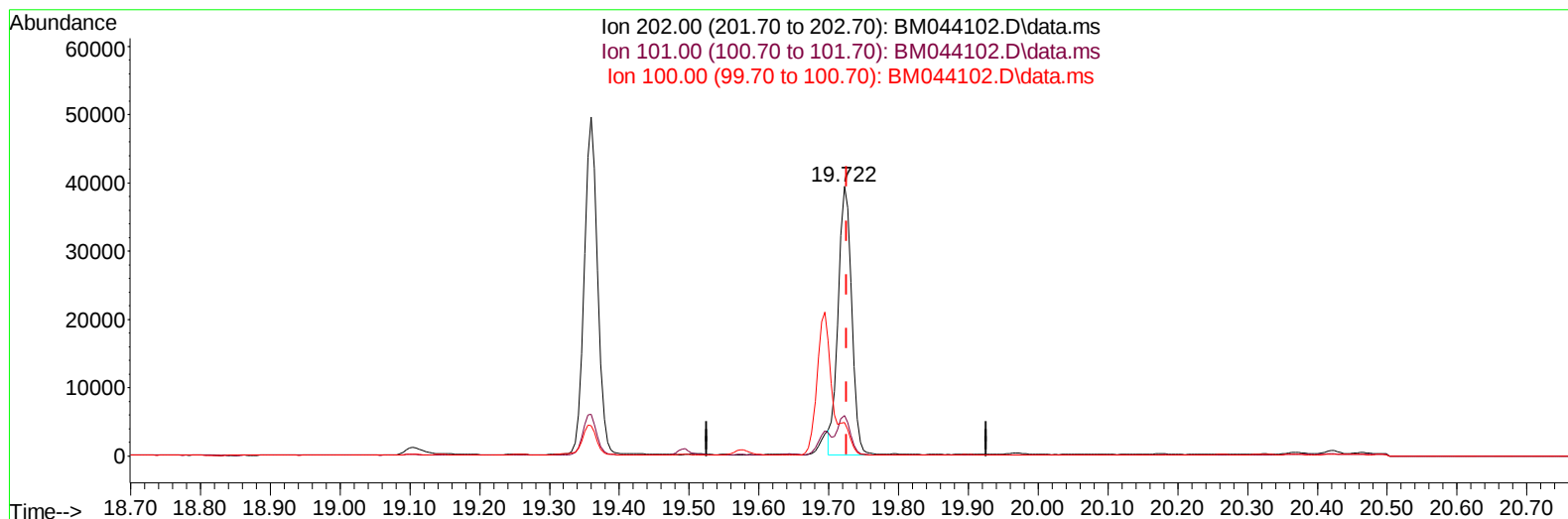
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM044102.D\data.ms

(20) Pyrene

19.722min (-0.004) 0.60 ng/ul m

response 52260

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	14.00	15.08
100.00	10.80	12.38
0.00	0.00	0.00

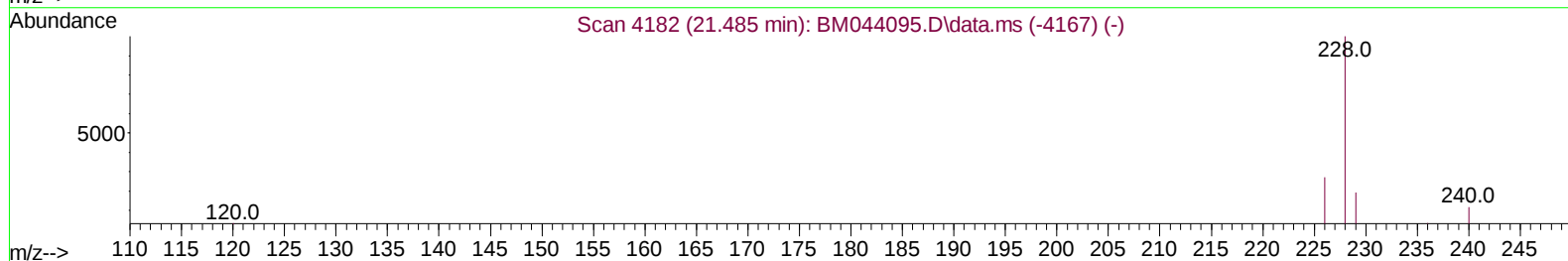
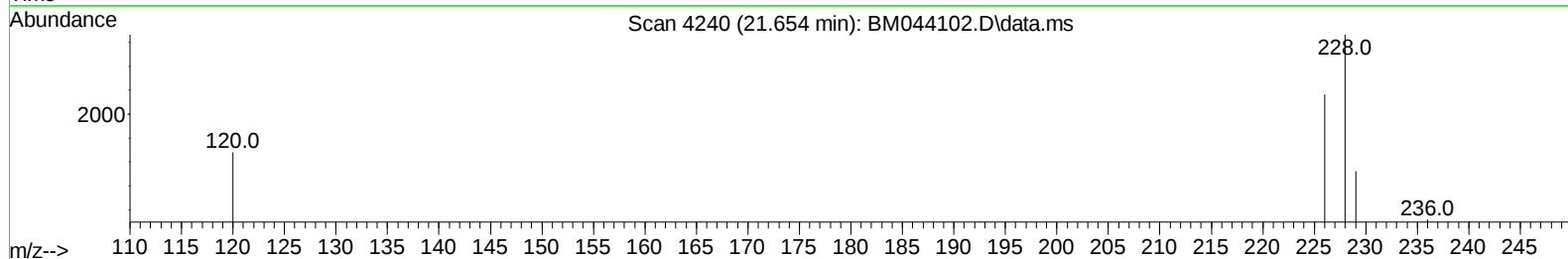
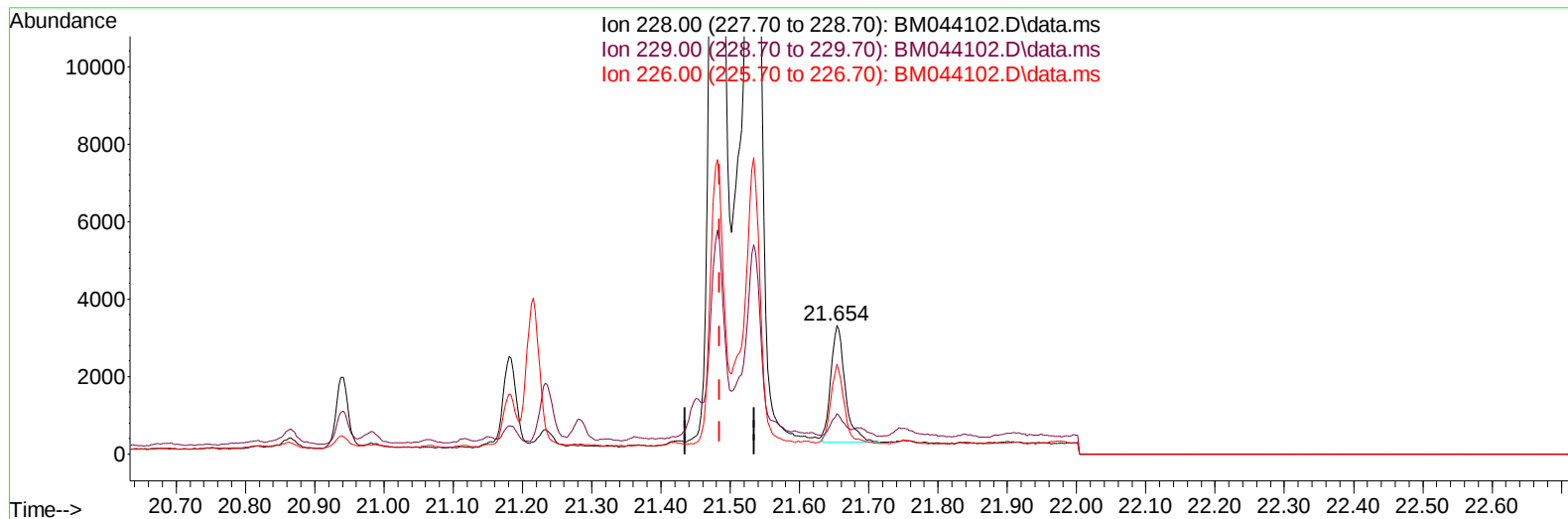
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Instrument :
BNA_M
ClientSampleId :
C0FK9

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TIC: BM044102.D\data.ms

(21) Benzo(a)anthracene

21.654min (+ 0.169) 0.05 ng/u1

response 4283

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.30	31.42#
226.00	27.60	69.87#
0.00	0.00	0.00

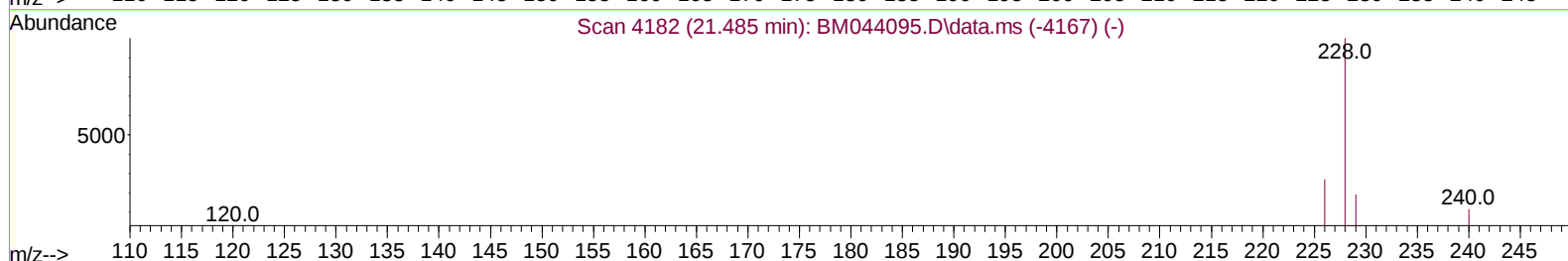
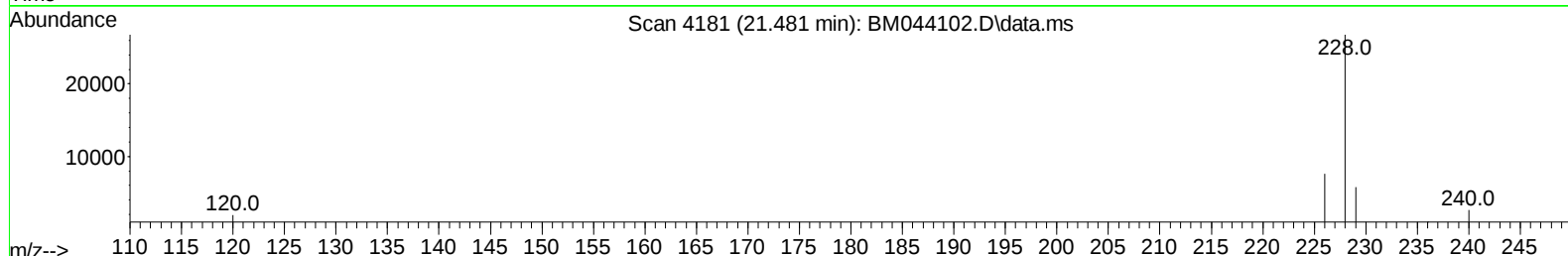
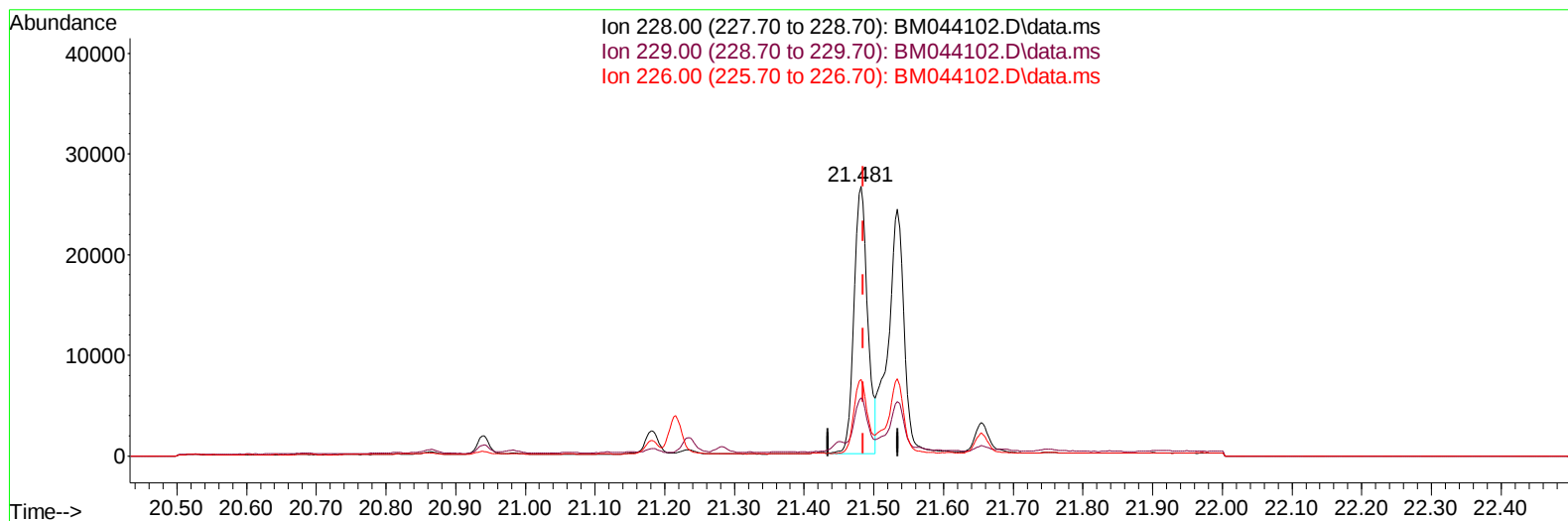
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

Quant Time: Feb 15 16:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 13:40:24 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044102.D\data.ms

(21) Benzo(a)anthracene

21.481min (-0.004) 0.44 ng/u1 m

response 36269

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.30	21.62
226.00	27.60	28.37
0.00	0.00	0.00

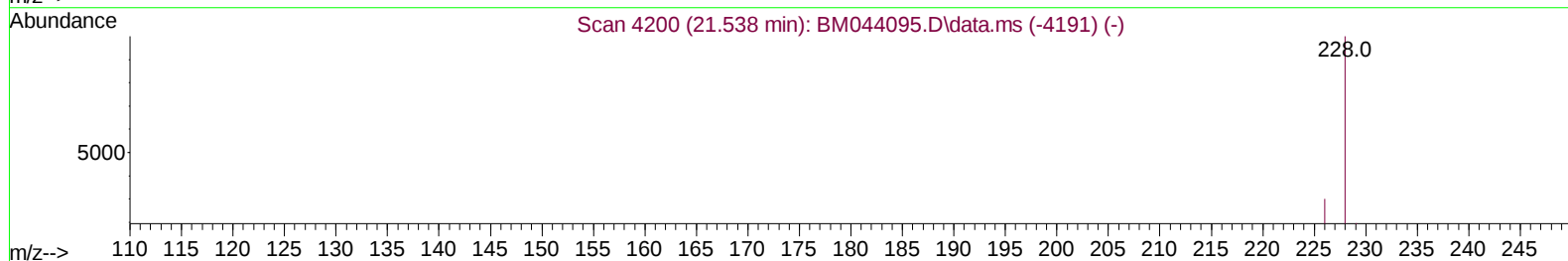
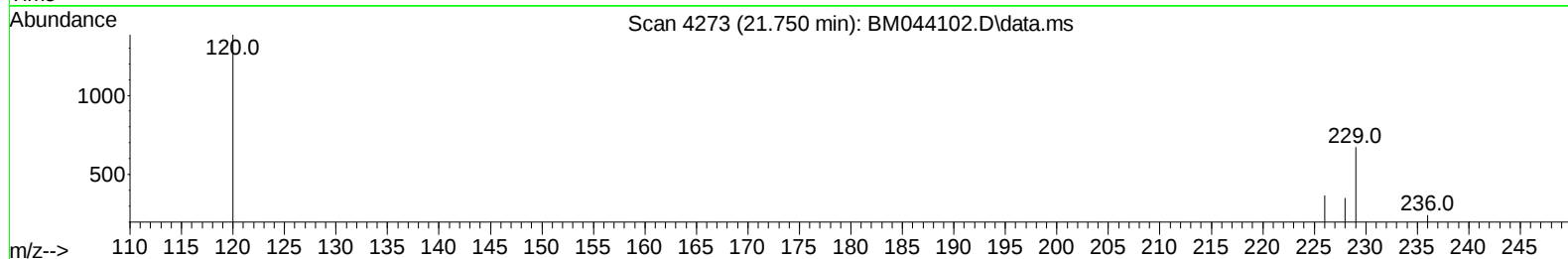
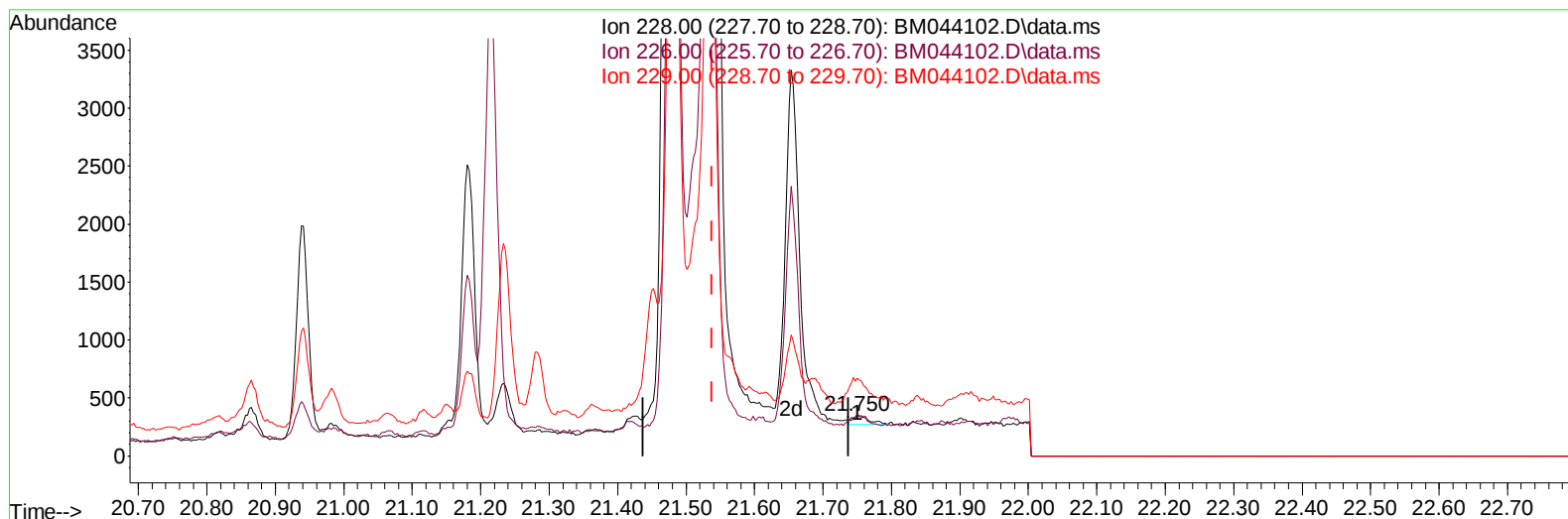
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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TIC: BM044102.D\data.ms

(22) Chrysene

21.750min (+ 0.212) 0.00 ng/u1

response 130

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.20	103.98#
229.00	19.70	190.63#
0.00	0.00	0.00

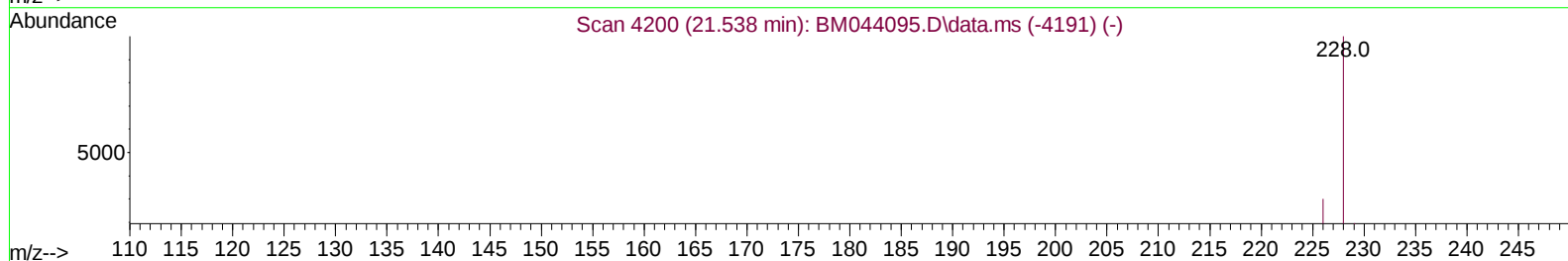
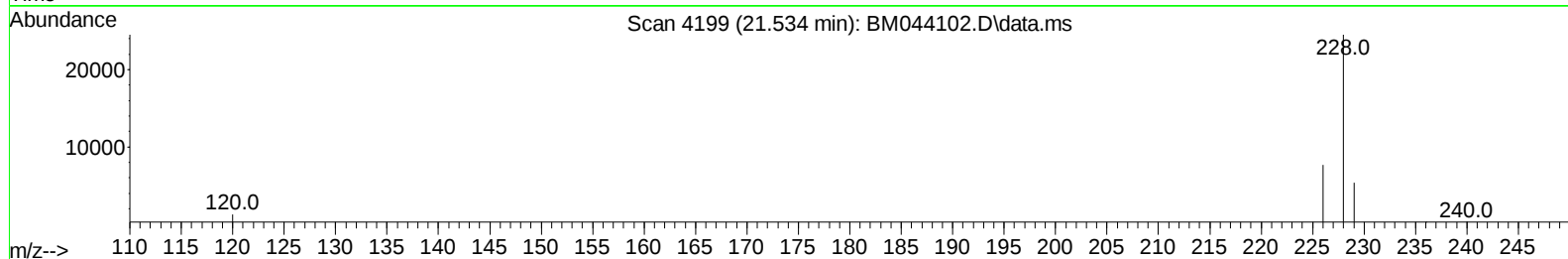
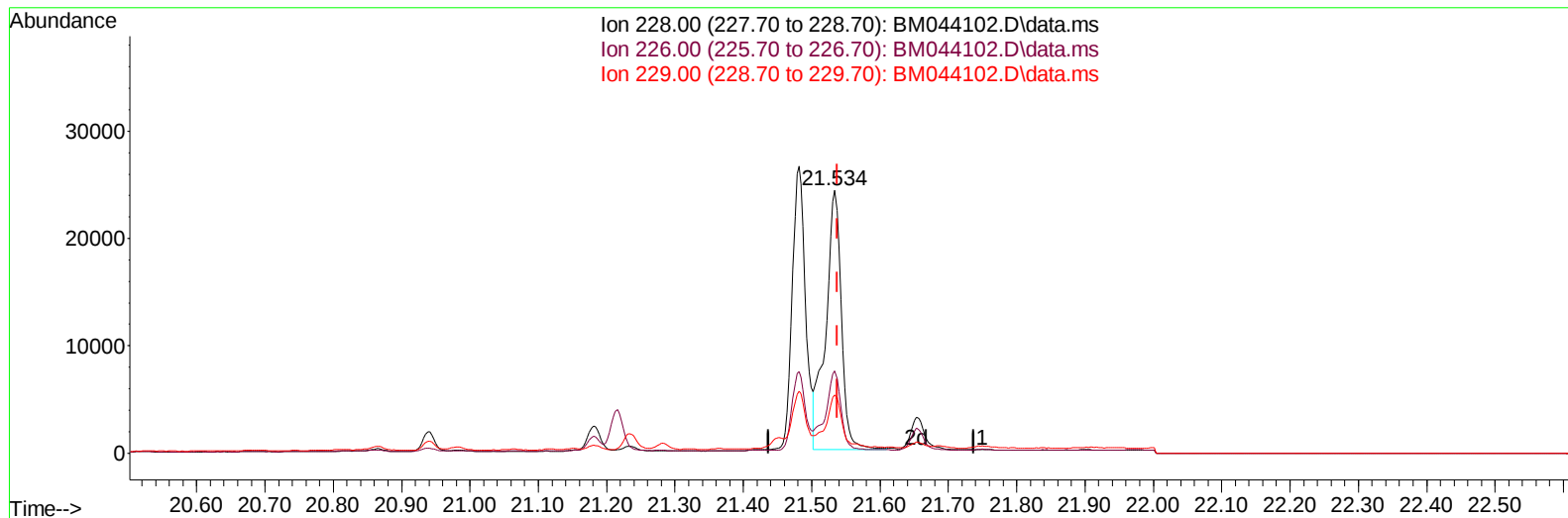
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(22) Chrysene

21.534min (-0.004) 0.43 ng/u1 m

response 38840

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.20	31.22
229.00	19.70	22.07
0.00	0.00	0.00

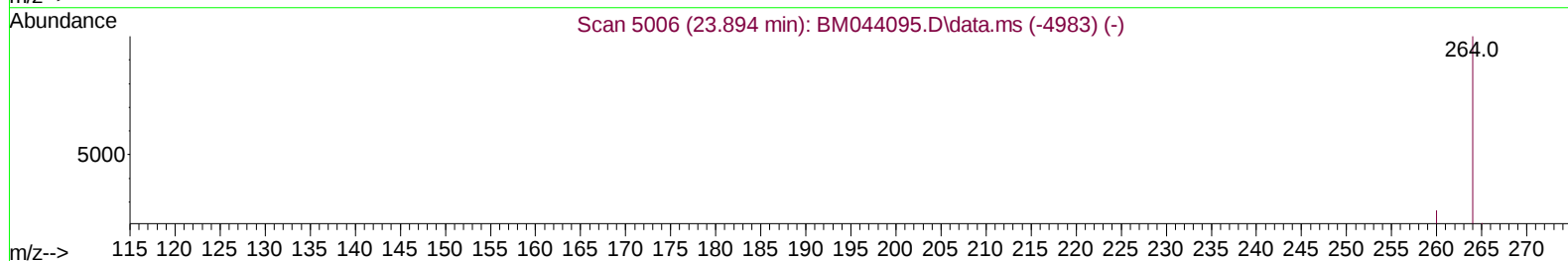
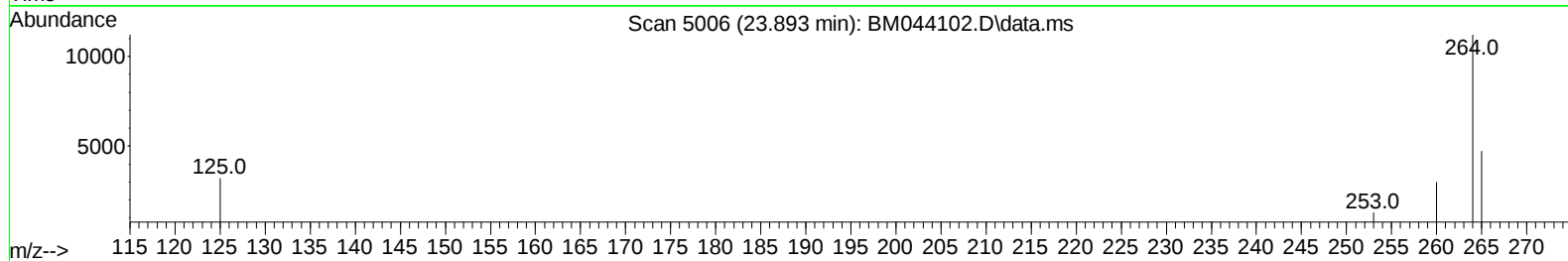
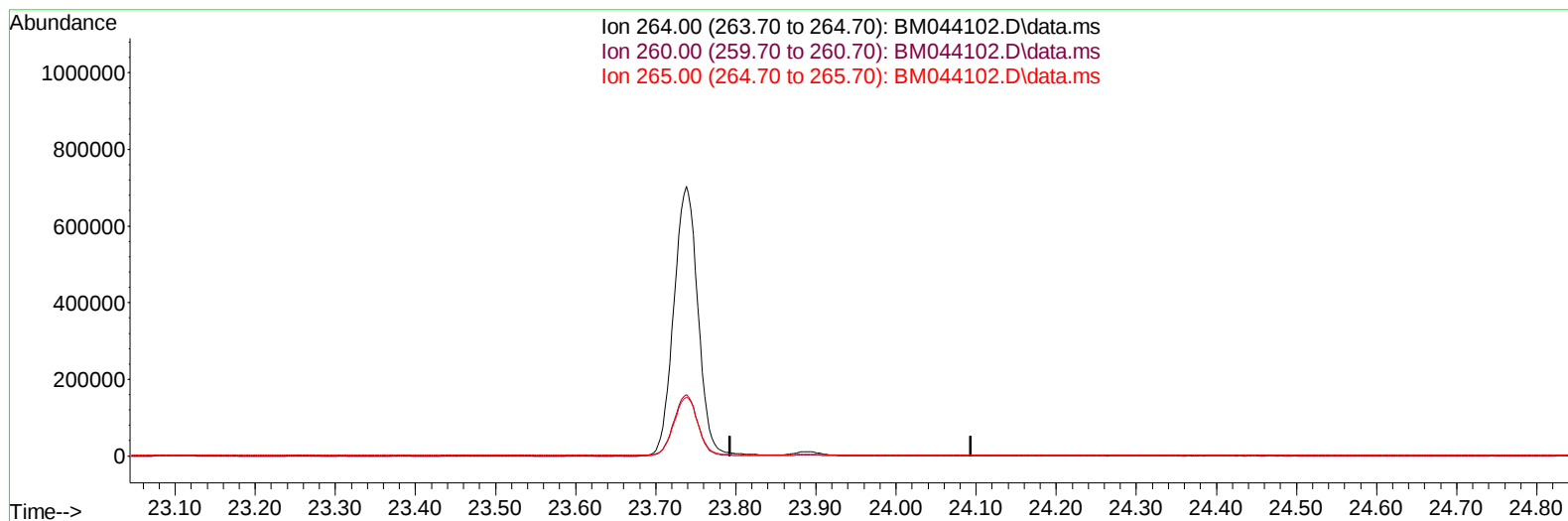
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

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TIC: BM044102.D\data.ms

(23) Perylene-d12 (I)

23.894min (-23.894) 0.00 ng/u1

response 0

Ion	Exp%	Act%
264.00	100.00	0.00
260.00	27.00	0.00#
265.00	45.40	0.00#
0.00	0.00	0.00

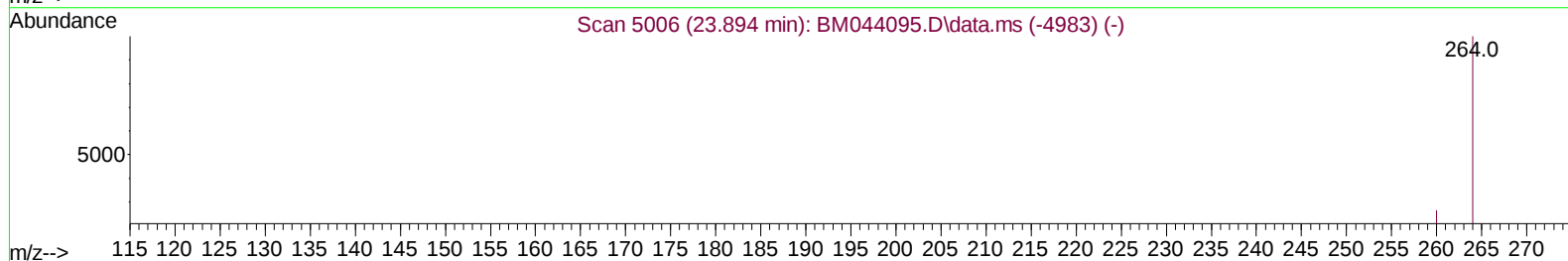
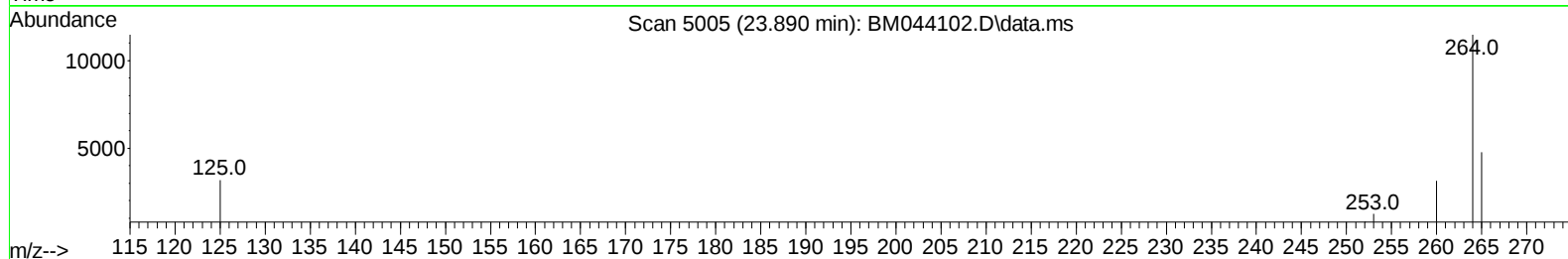
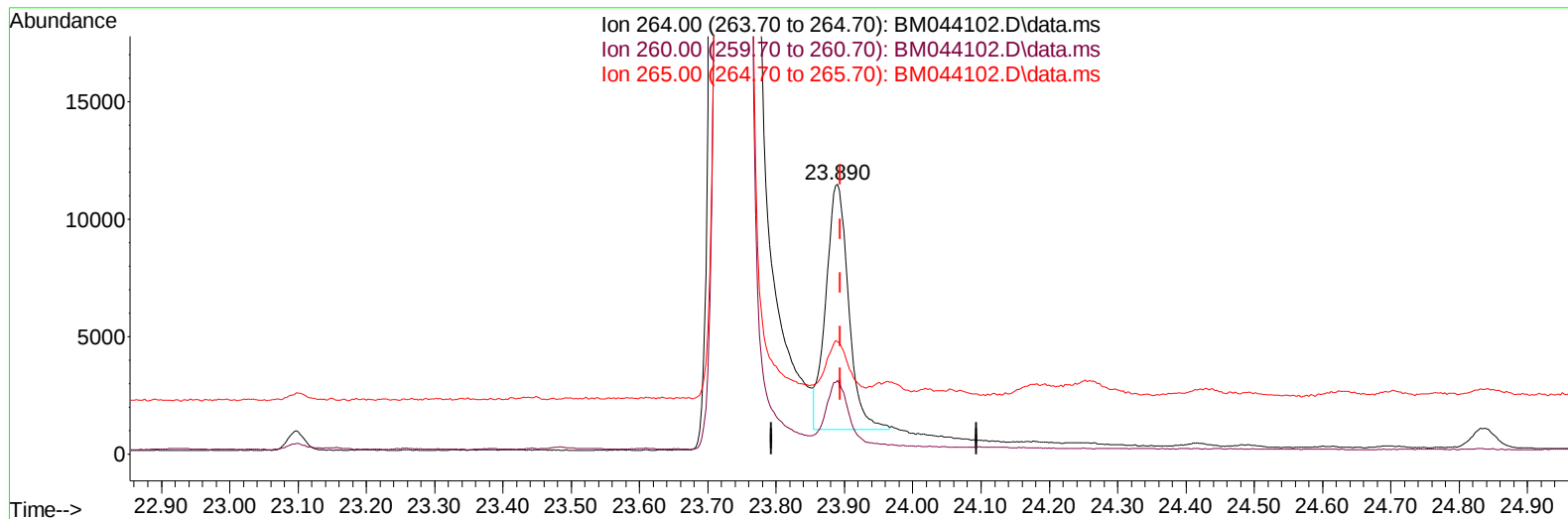
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(23) Perylene-d12 (I)

23.890min (-0.004) 0.40 ng/ul m

response 24051

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.00	27.30
265.00	45.40	41.52
0.00	0.00	0.00

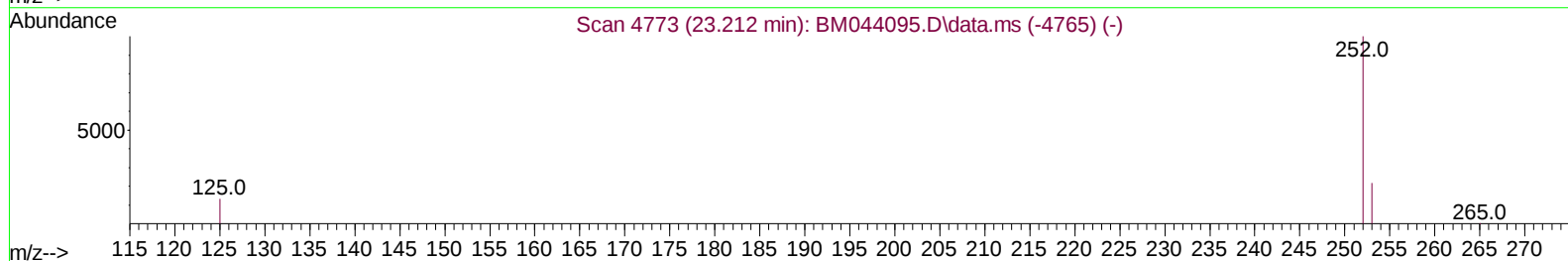
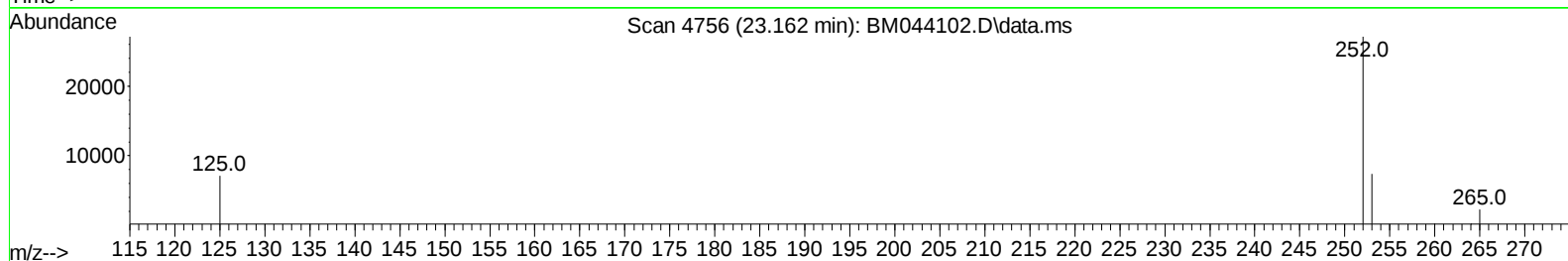
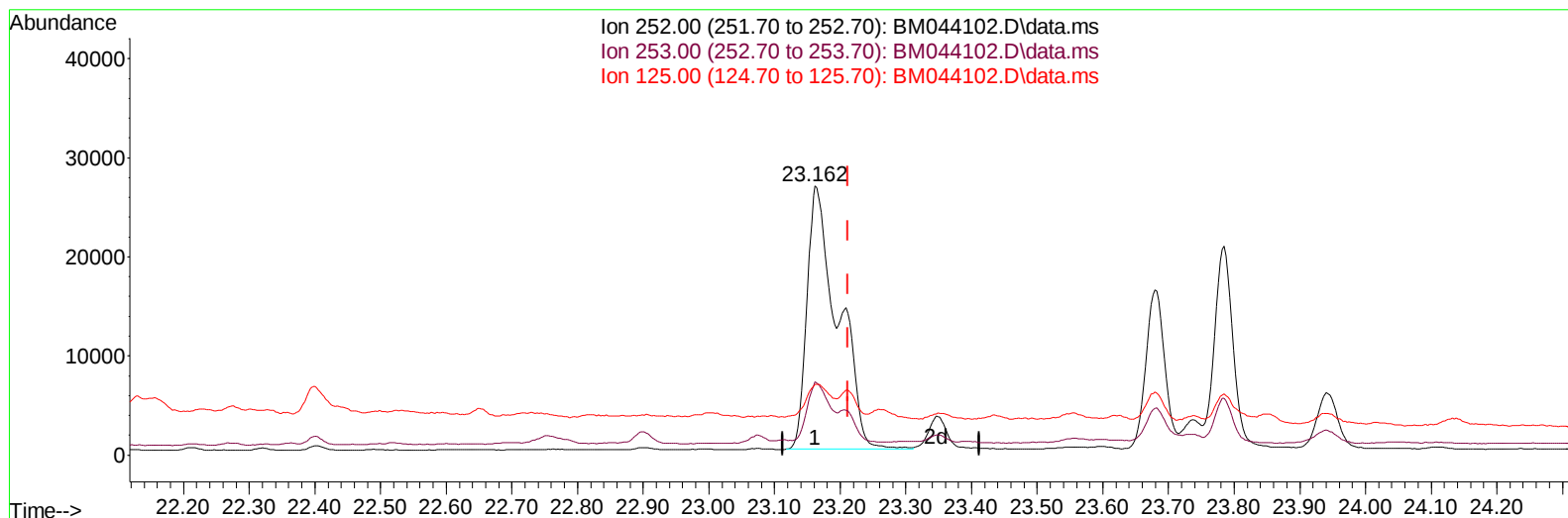
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(25) Benzo(k)fluoranthene

23.162min (-0.050) 0.80 ng/u1

response 86618

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	27.23
125.00	15.40	26.34#
0.00	0.00	0.00

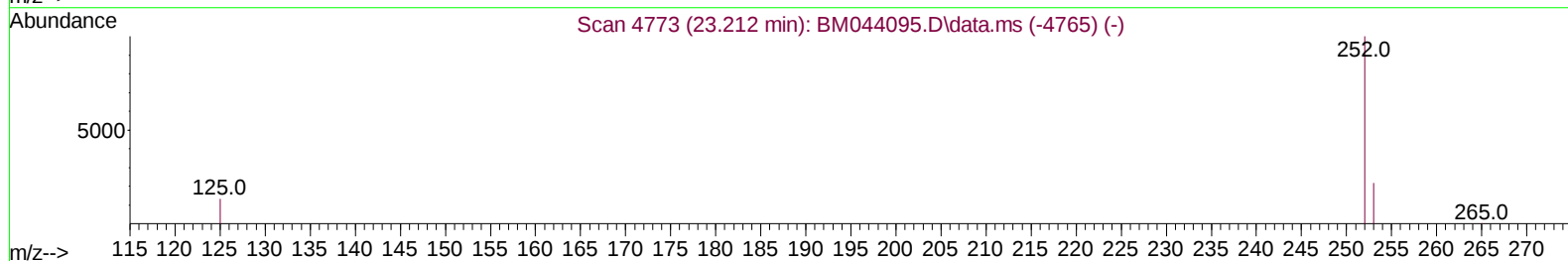
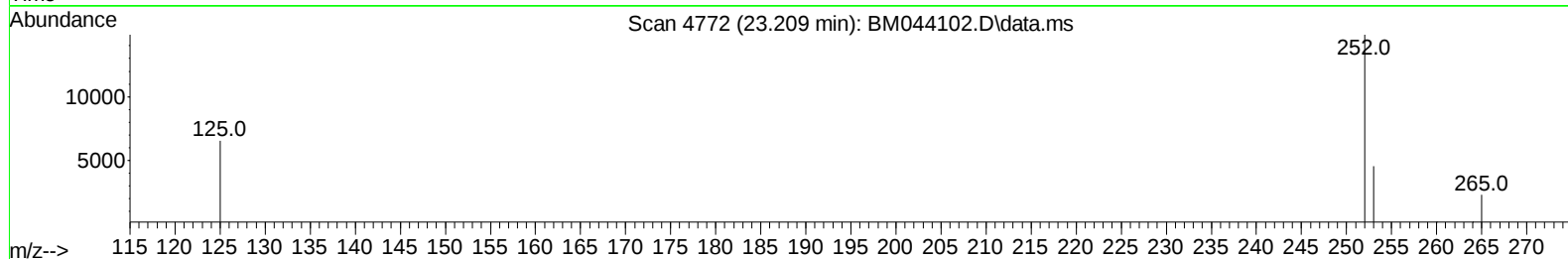
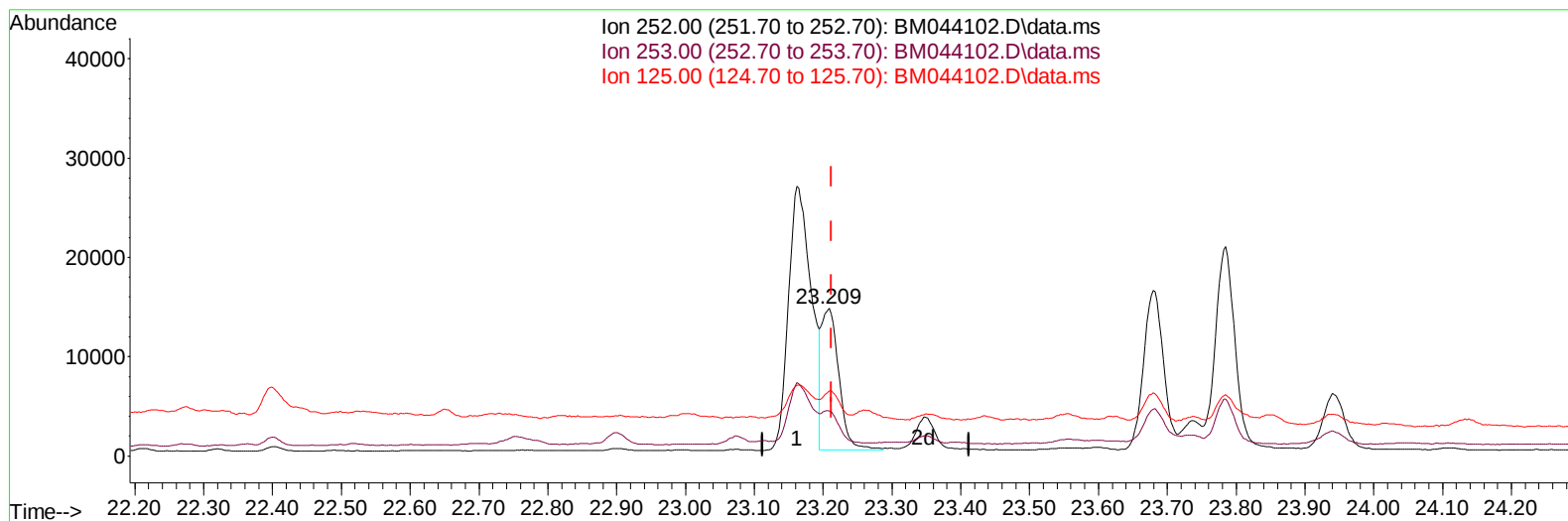
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
Data File : BM044102.D
Acq On : 15 Feb 2024 15:30
Operator : MA/JU
Sample : P1329-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0FK9

Manual IntegrationsAPPROVED

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TIC: BM044102.D\data.ms

(25) Benzo(k)fluoranthene

23.209min (-0.004) 0.23 ng/u1 m

response 24841

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	30.58#
125.00	15.40	44.15#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021524\
 Data File : BM044102.D
 Acq On : 15 Feb 2024 15:30
 Operator : MA/JU
 Sample : P1329-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0FK9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/19/2024

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 13:40:24 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	5132	0.400	ng/ul	0.00
4) Naphthalene-d8	10.704	136	17395	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.543	164	9613	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.297	188	21464m	0.400	ng/ul	0.00
17) Chrysene-d12	21.496	240	18157m	0.400	ng/ul	0.00
23) Perylene-d12	23.890	264	24051m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	35854	4.933	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.294	152	7428	0.305	ng/ul	0.00
18) Fluoranthene-d10	19.327	212	17619m	0.325	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.754	128	1136	0.022	ng/ul#	77
7) 2-Methylnaphthalene	12.371	142	1658	0.052	ng/ul	98
8) 1-Methylnaphthalene	12.591	142	991	0.031	ng/ul	98
11) Acenaphthene	14.608	153	896	0.023	ng/ul	96
14) Pentachlorophenol	16.943	266	285	0.037	ng/ul	93
15) Phenanthrene	17.339	178	20741	0.305	ng/ul	99
16) Anthracene	17.428	178	4306m	0.064	ng/ul	
19) Fluoranthene	19.360	202	66630m	0.805	ng/ul	
20) Pyrene	19.722	202	52260m	0.600	ng/ul	
21) Benzo(a)anthracene	21.481	228	36269m	0.436	ng/ul	
22) Chrysene	21.534	228	38840m	0.433	ng/ul	
24) Benzo(b)fluoranthene	23.162	252	63436	0.639	ng/ul	86
25) Benzo(k)fluoranthene	23.209	252	24841m	0.231	ng/ul	
26) Benzo(a)pyrene	23.785	252	40023	0.434	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	26.362	276	32186	0.274	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.389	278	7618	0.082	ng/ul#	61
29) Benzo(g,h,i)perylene	27.127	276	32284	0.311	ng/ul	95

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

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