

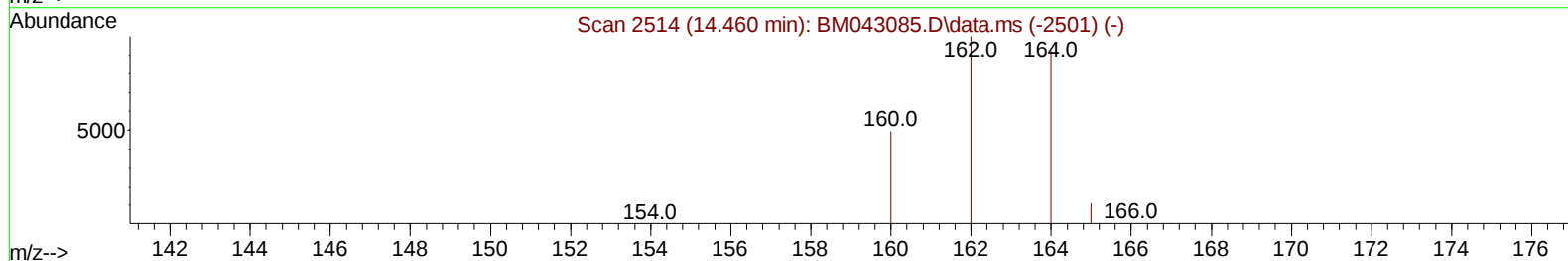
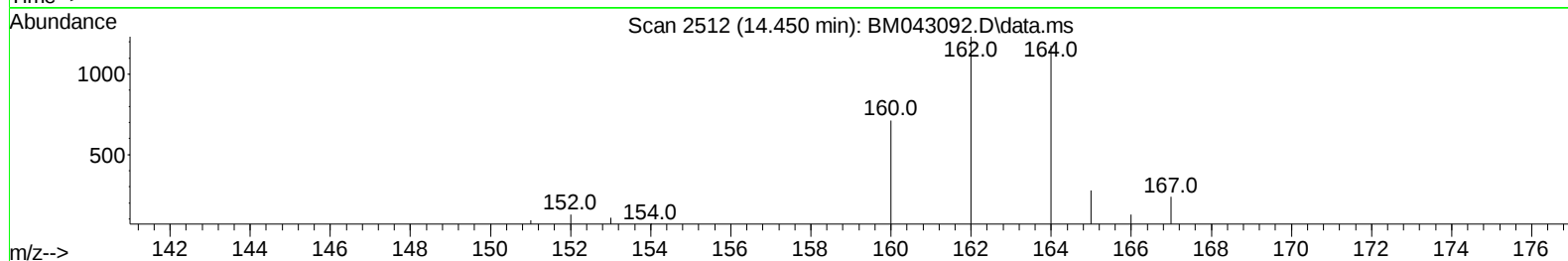
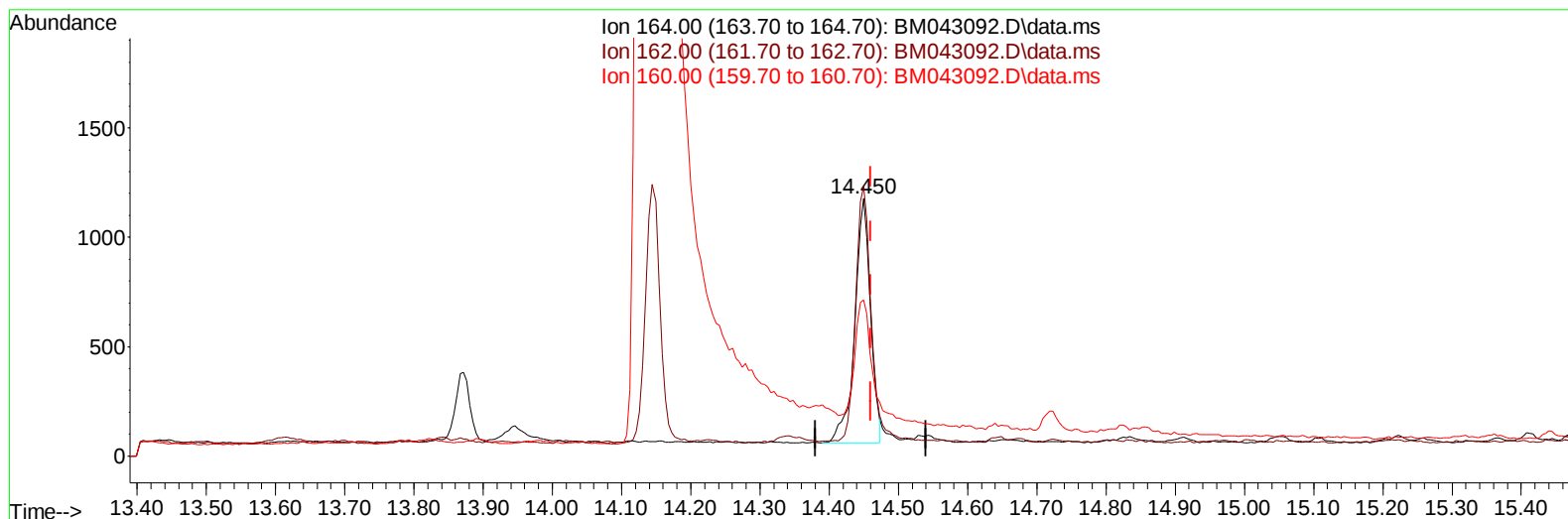
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043092.D
Acq On : 30 Nov 2023 19:28
Operator : MA/JU
Sample : 05497-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 00:42:42 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.010) 0.40 ng/u1

response 1781

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	104.67
160.00	57.20	60.58
0.00	0.00	0.00

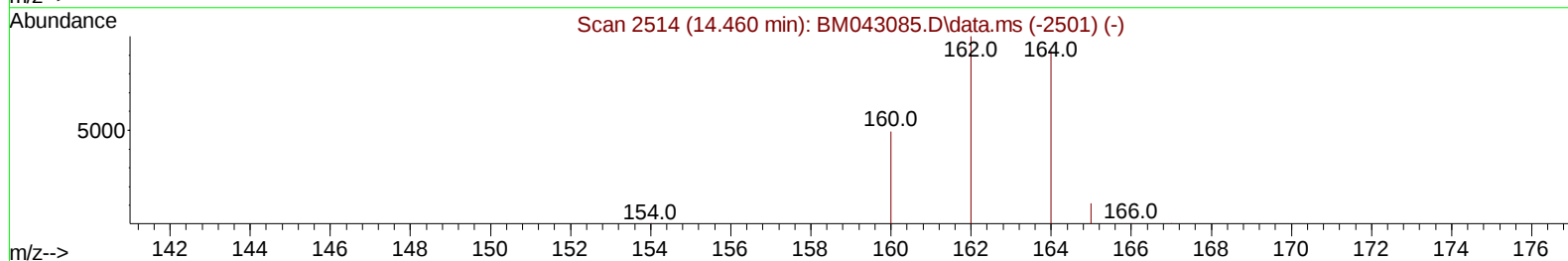
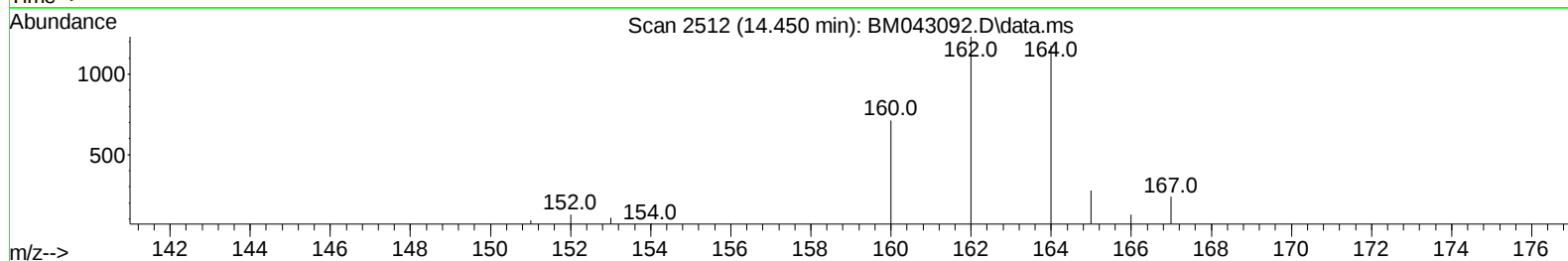
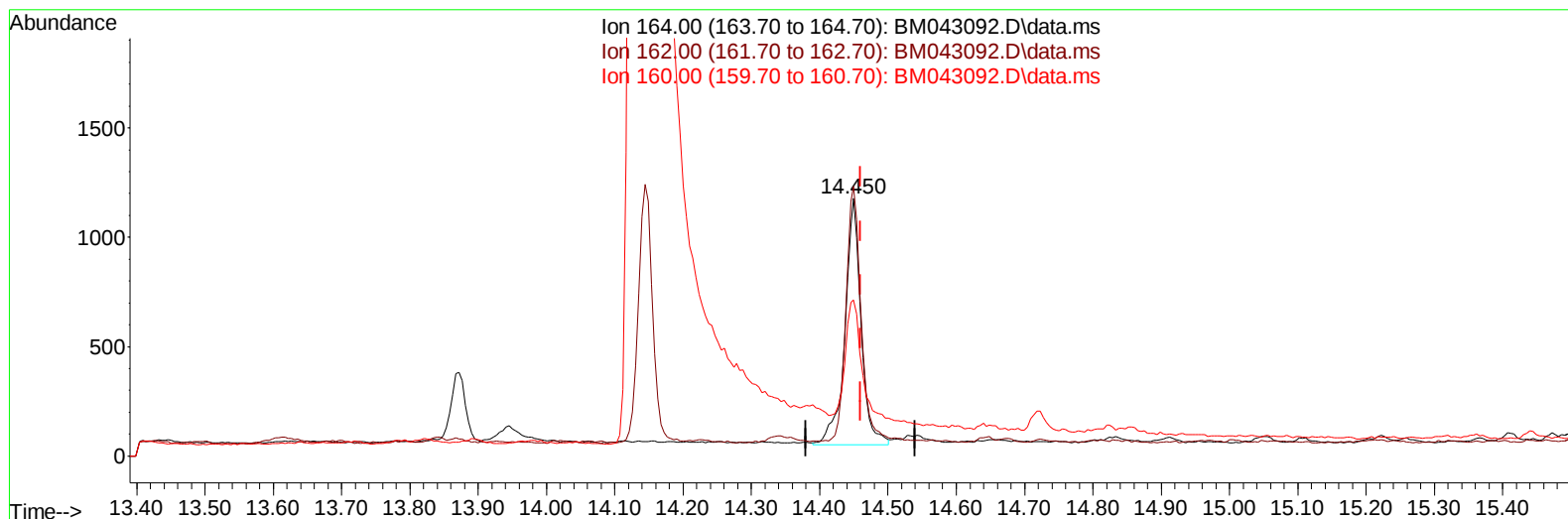
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(9) Acenaphthene-d10 (I)

14.450min (-0.010) 0.40 ng/ul m

response 1898

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	106.50	104.67
160.00	57.20	60.58
0.00	0.00	0.00

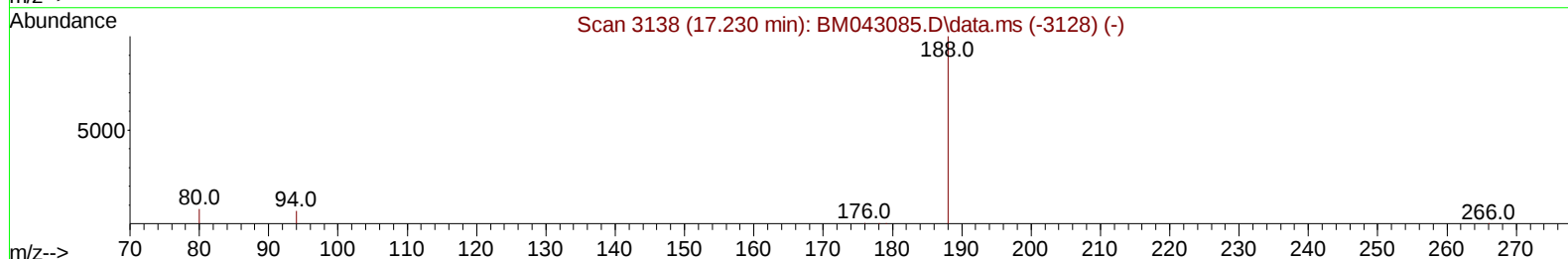
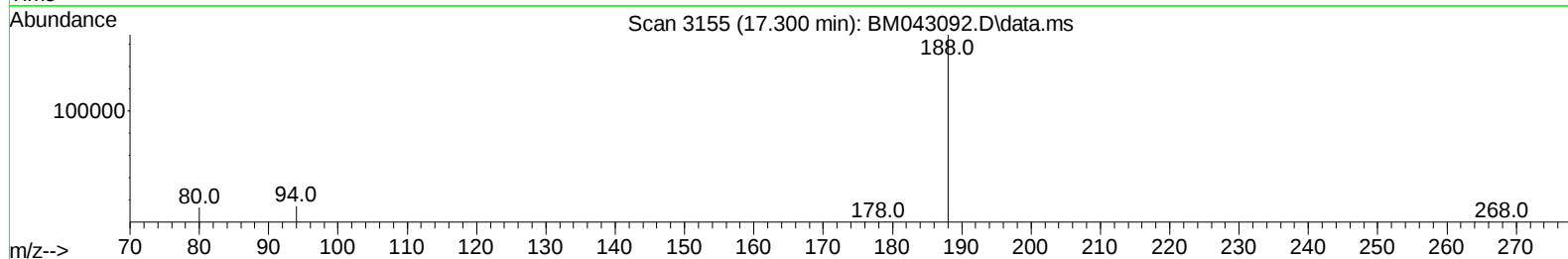
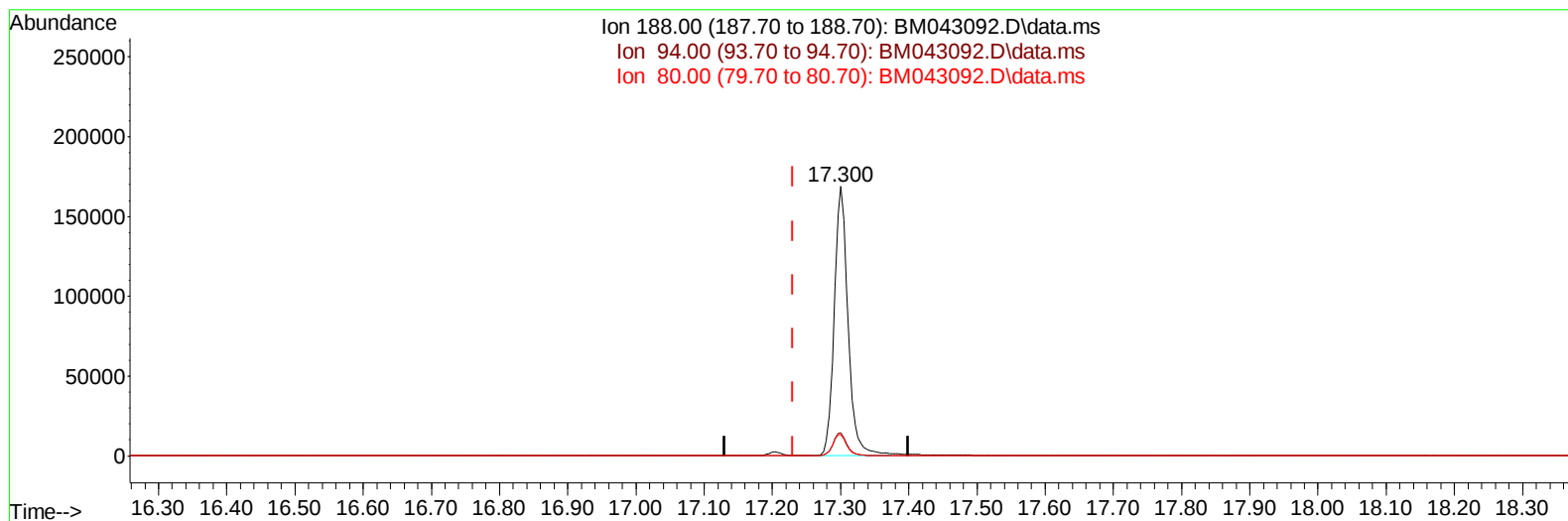
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(13) Phenanthrene-d10 (I)

17.300min (+ 0.071) 0.40 ng/u1

response 238079

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	8.56#
80.00	12.70	7.81#
0.00	0.00	0.00

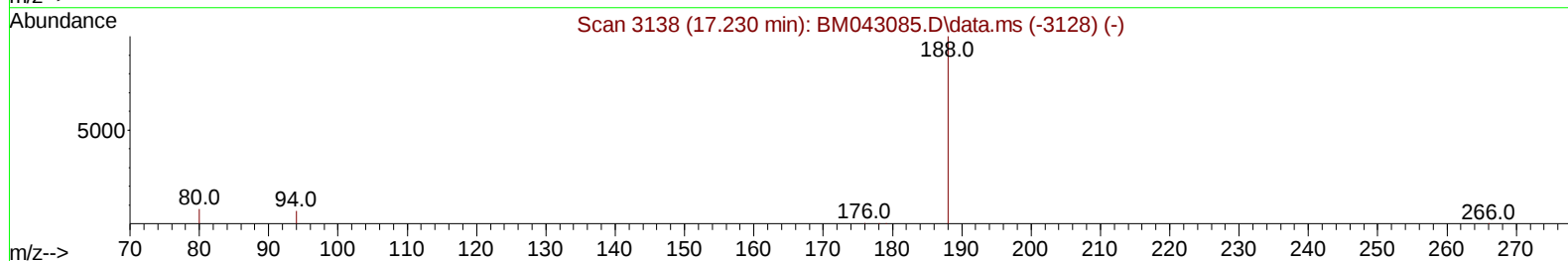
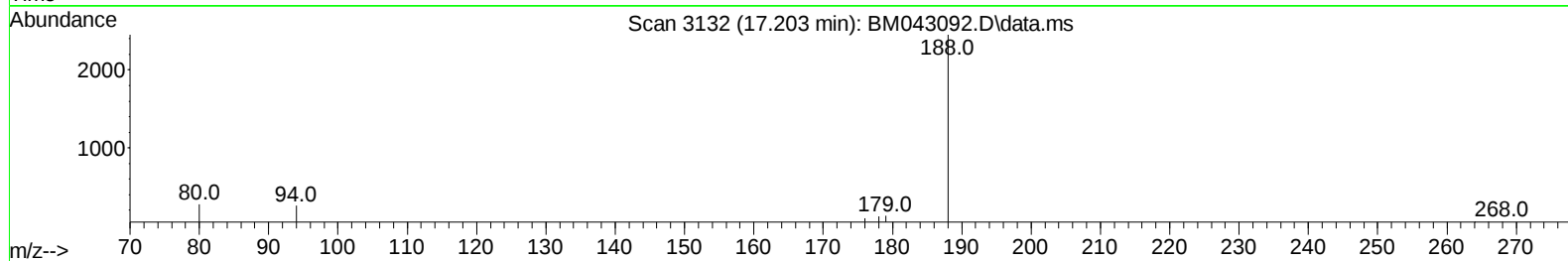
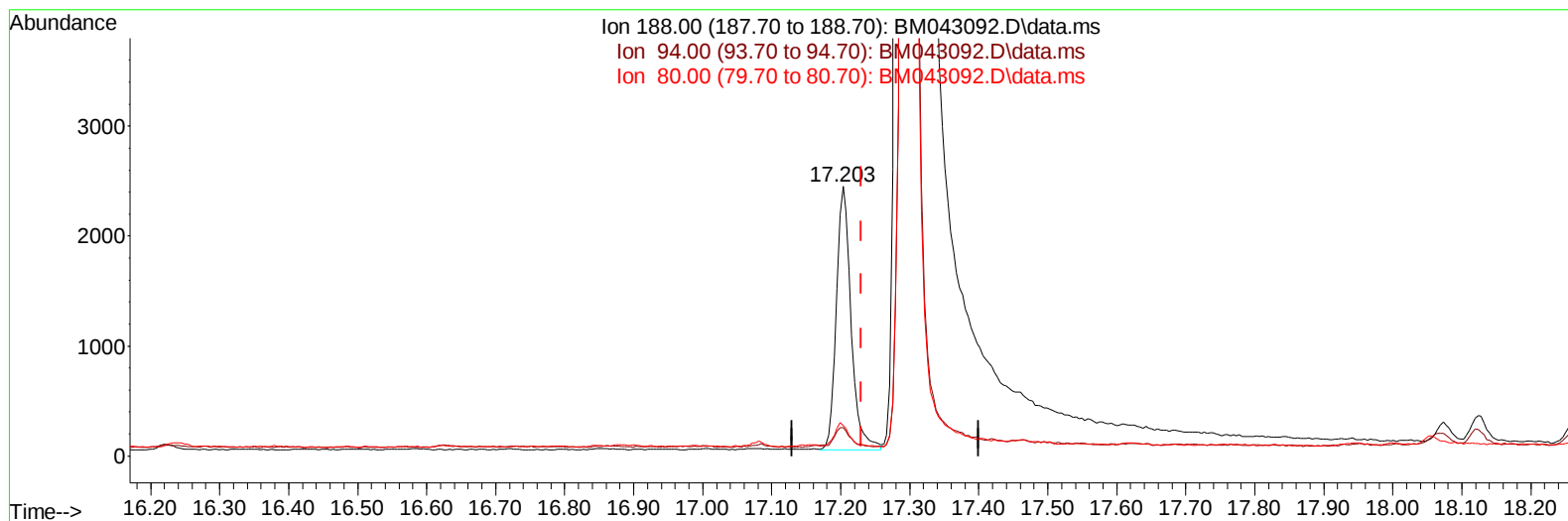
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(13) Phenanthrene-d10 (I)

17.203min (-0.027) 0.40 ng/ul m

response 3531

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.40	10.53
80.00	12.70	11.30
0.00	0.00	0.00

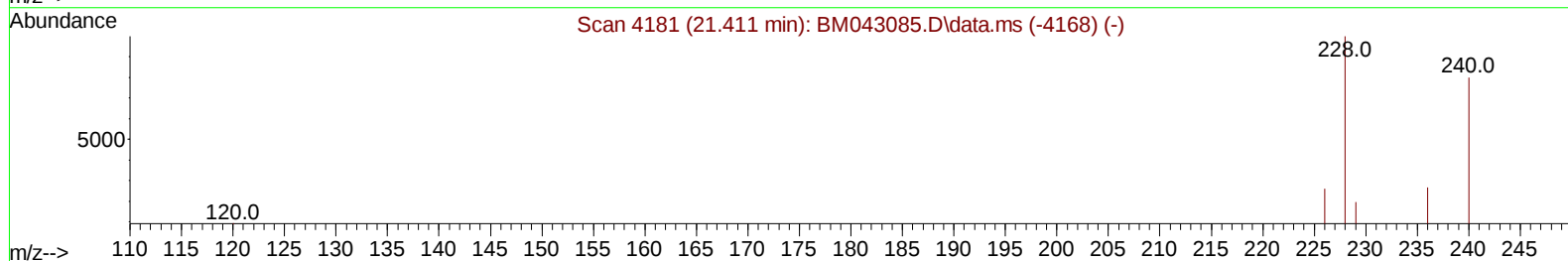
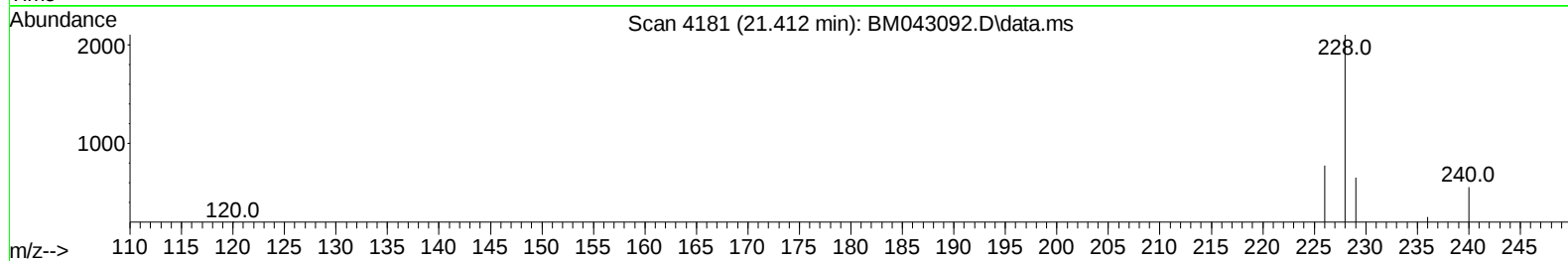
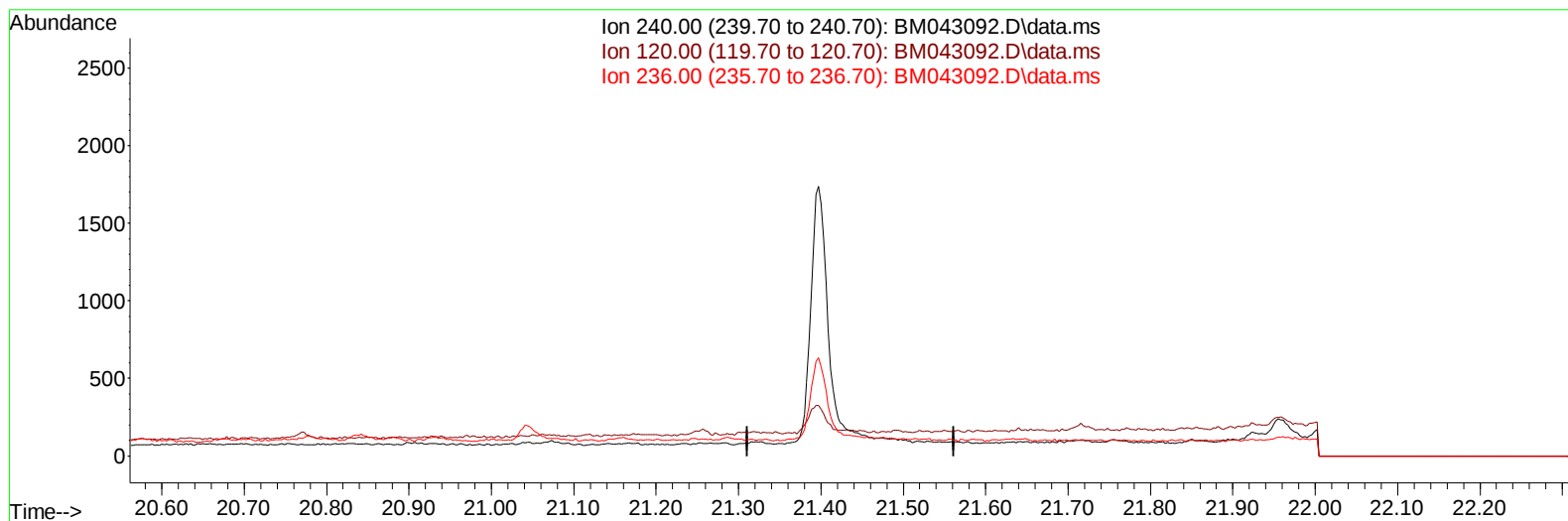
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(17) Chrysene-d12

21.411min (-21.411) 0.00 ng/ul

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	22.80	0.00#
236.00	38.50	0.00#
0.00	0.00	0.00

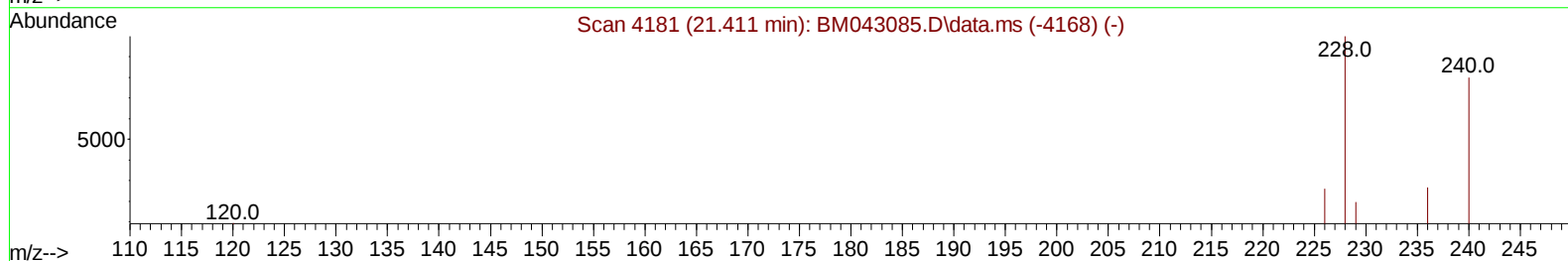
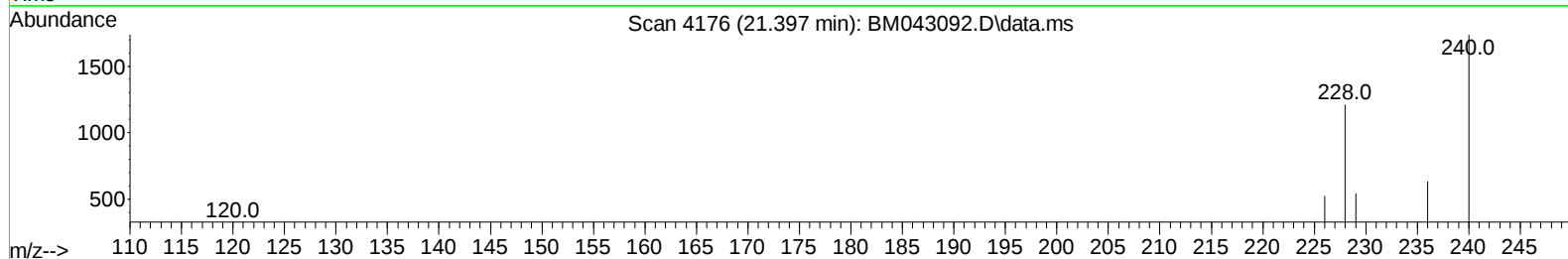
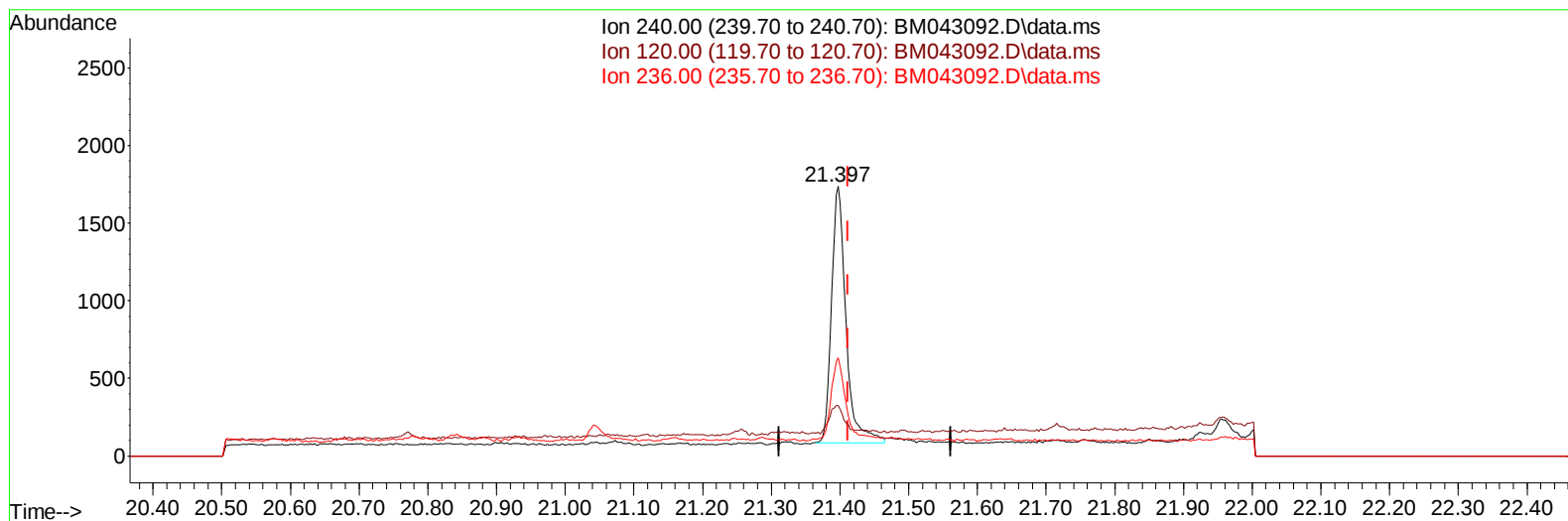
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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TIC: BM043092.D\data.ms

(17) Chrysene-d12

21.397min (-0.014) 0.40 ng/ul m

response 2411

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	22.80	18.77
236.00	38.50	36.50
0.00	0.00	0.00

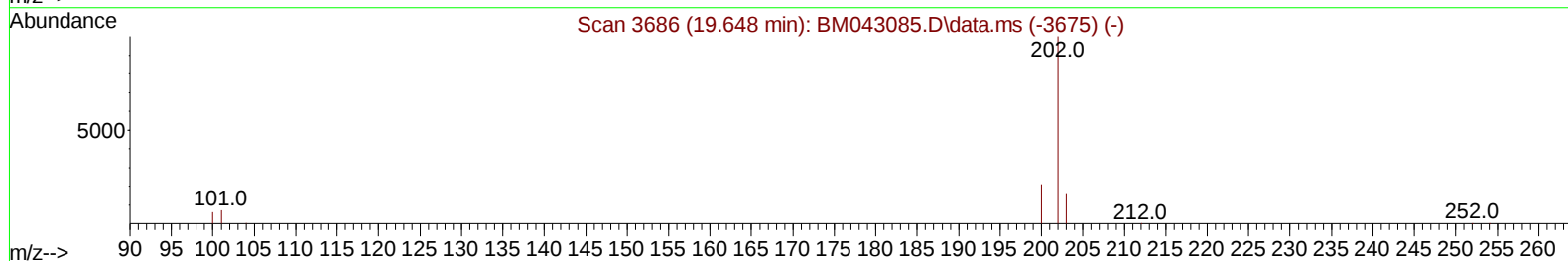
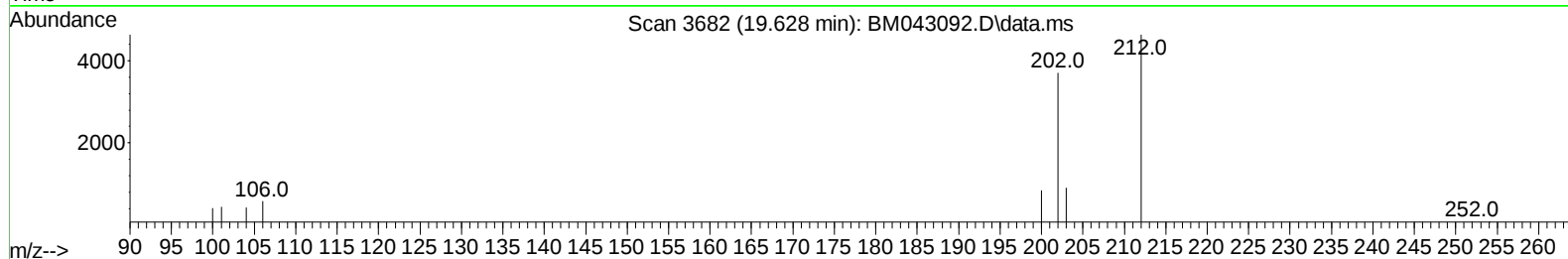
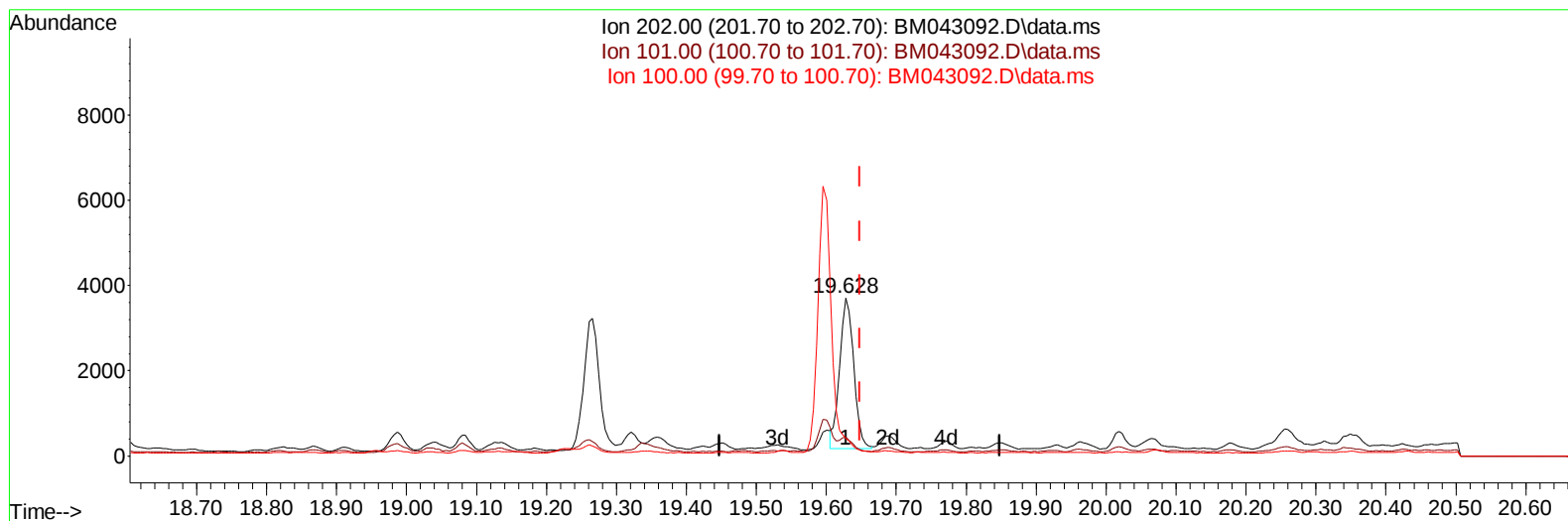
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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TIC: BM043092.D\data.ms

(20) Pyrene

19.628min (-0.020) 0.34 ng/ul m

response 4904

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	10.90	11.96
100.00	9.80	11.07
0.00	0.00	0.00

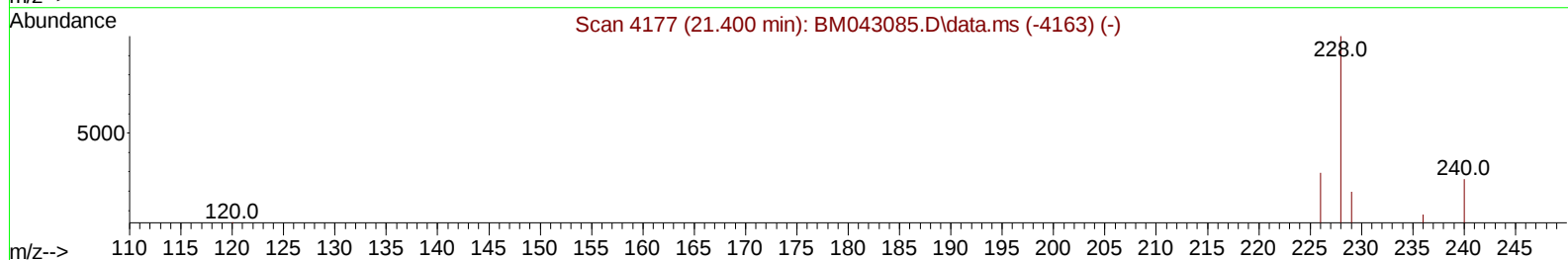
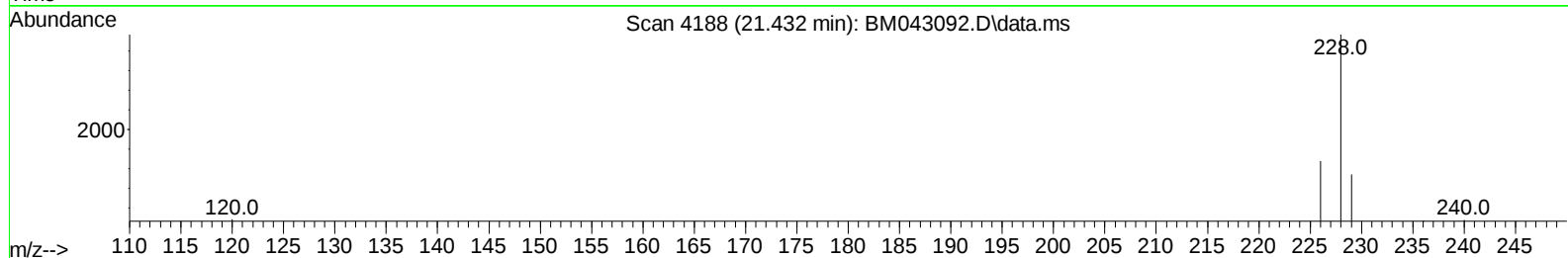
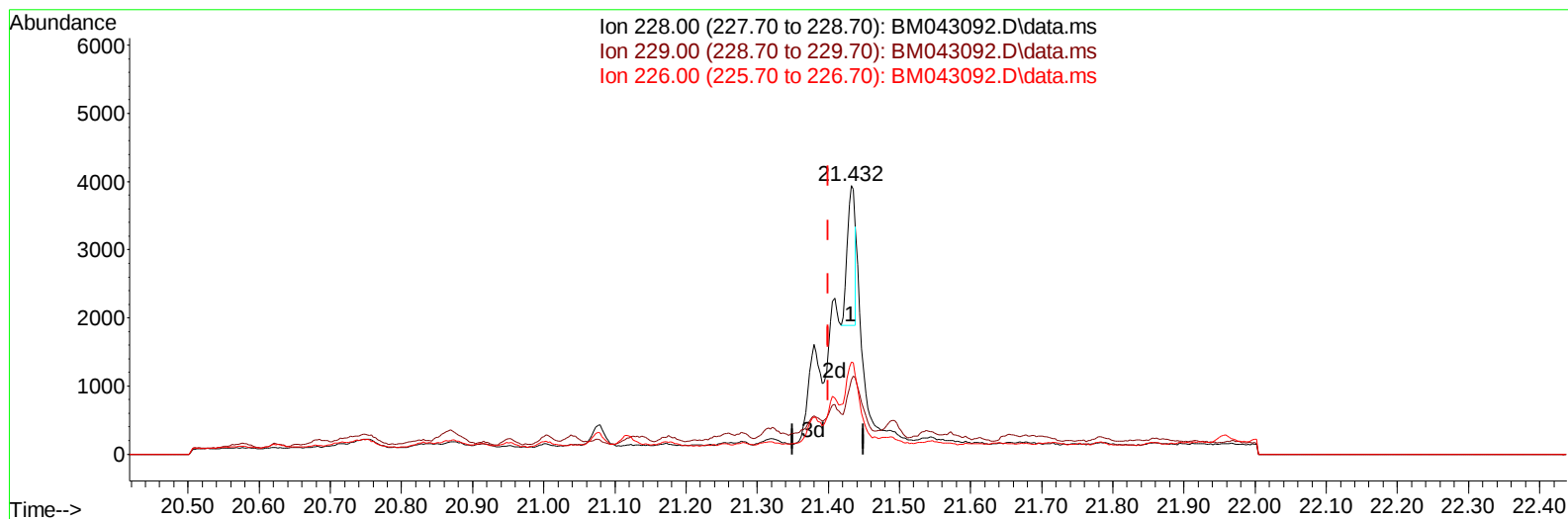
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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TIC: BM043092.D\data.ms

(21) Benzo(a)anthracene

21.432min (+ 0.033) 0.20 ng/u1

response 1596

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	27.78
226.00	31.10	34.38
0.00	0.00	0.00

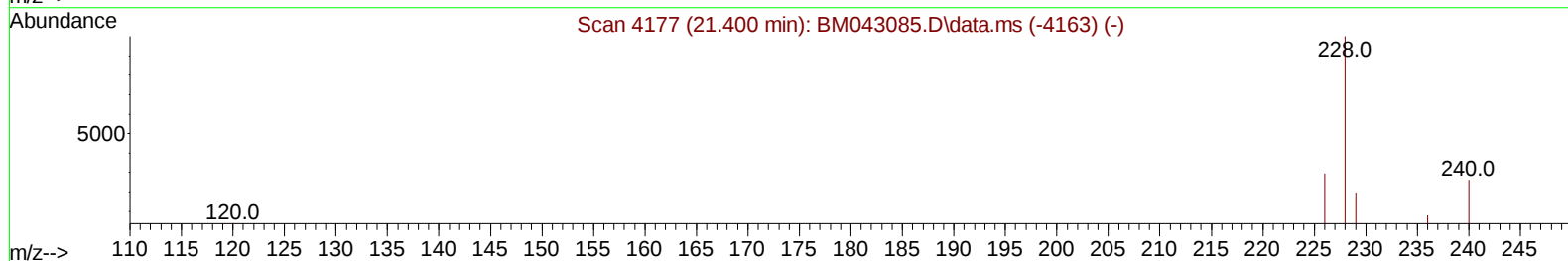
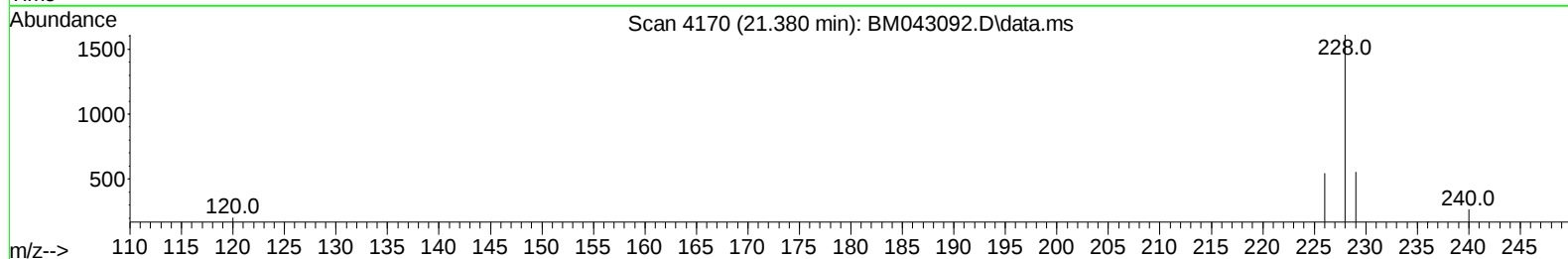
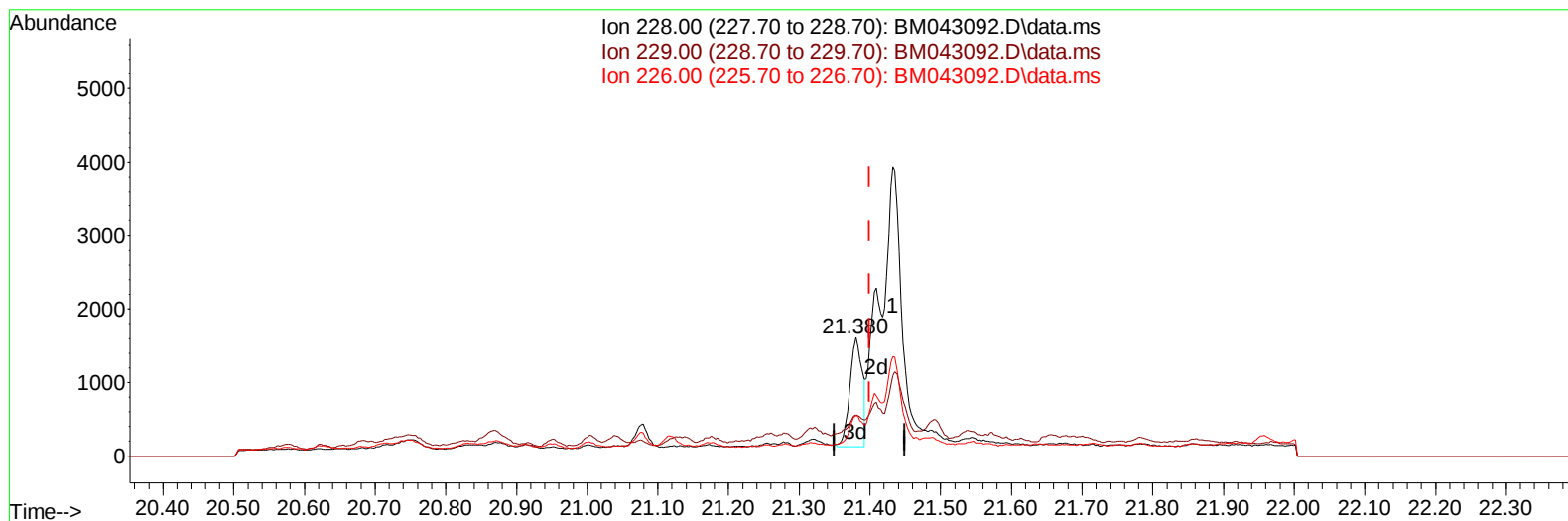
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
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TIC: BM043092.D\data.ms

(21) Benzo(a)anthracene

21.380min (-0.020) 0.23 ng/ul m

response 1795

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	24.20	34.66#
226.00	31.10	33.98
0.00	0.00	0.00

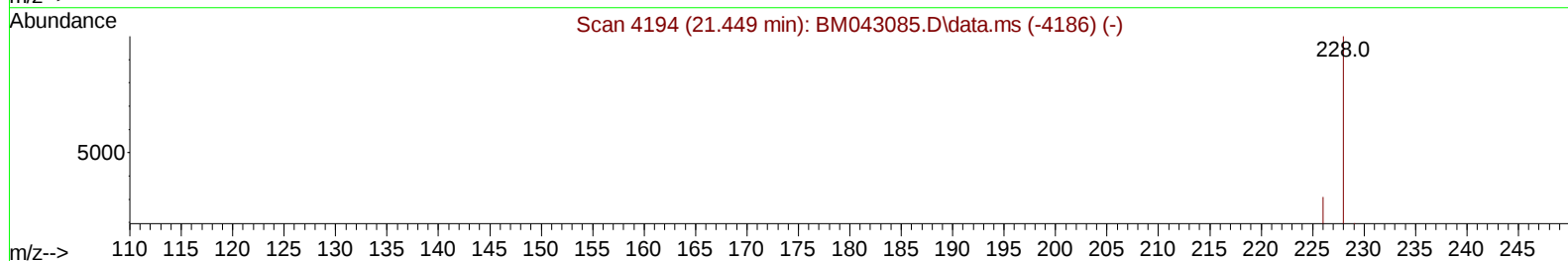
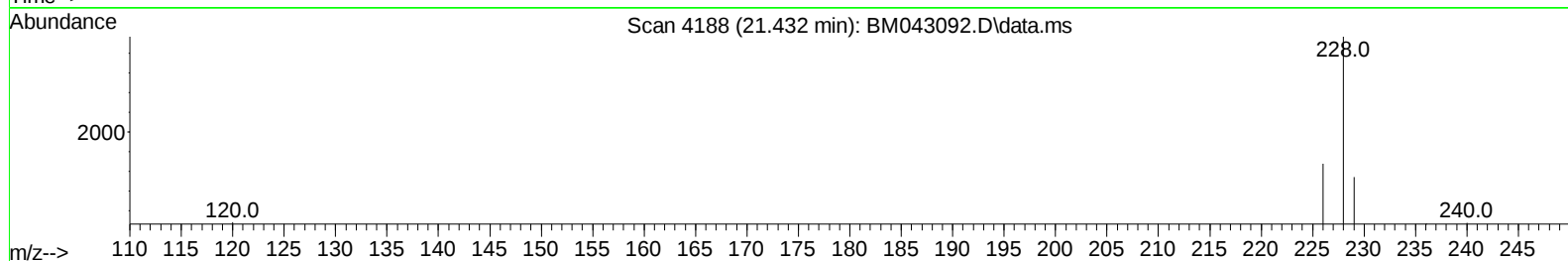
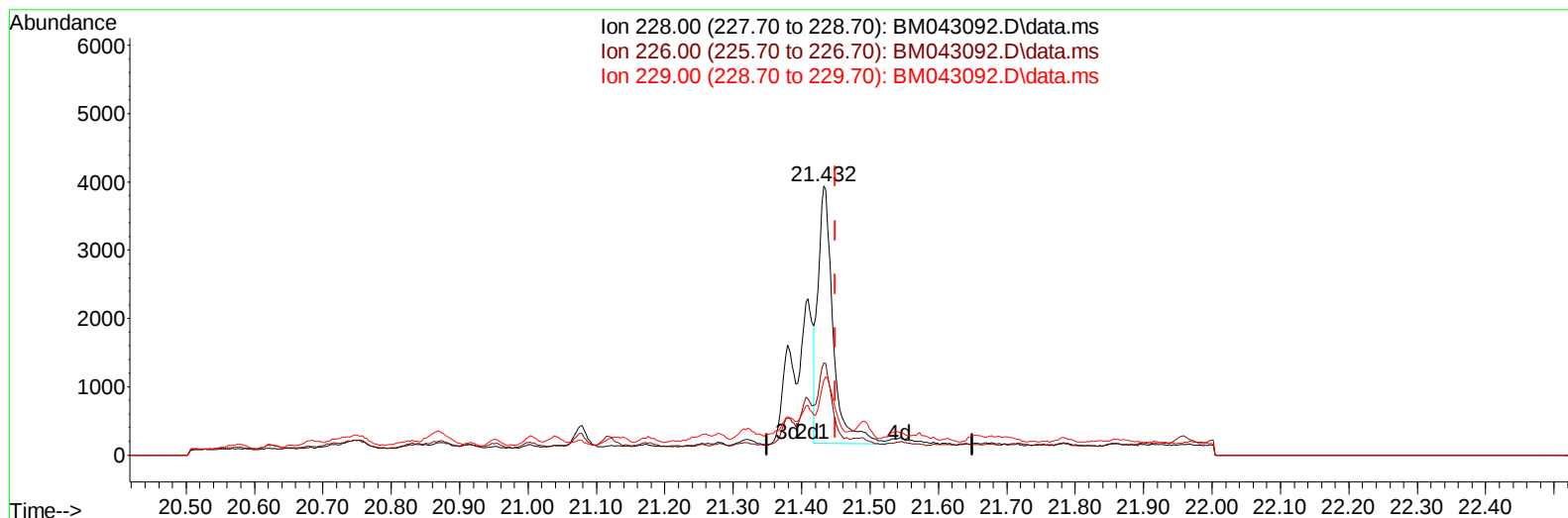
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

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TIC: BM043092.D\data.ms

(22) Chrysene

21.432min (-0.017) 0.40 ng/u1

response 5755

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	34.38
229.00	22.50	27.78#
0.00	0.00	0.00

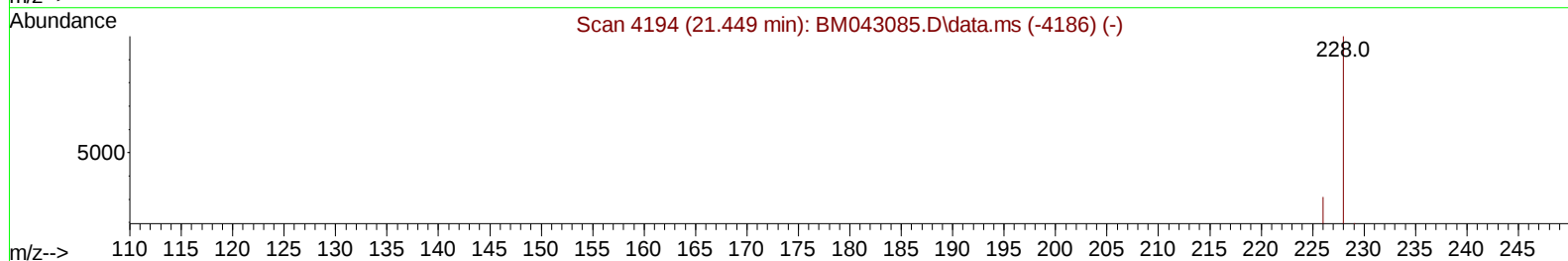
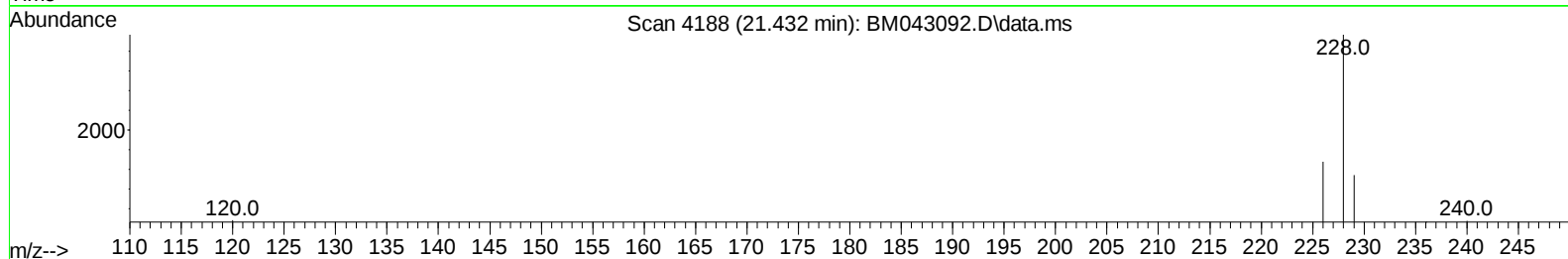
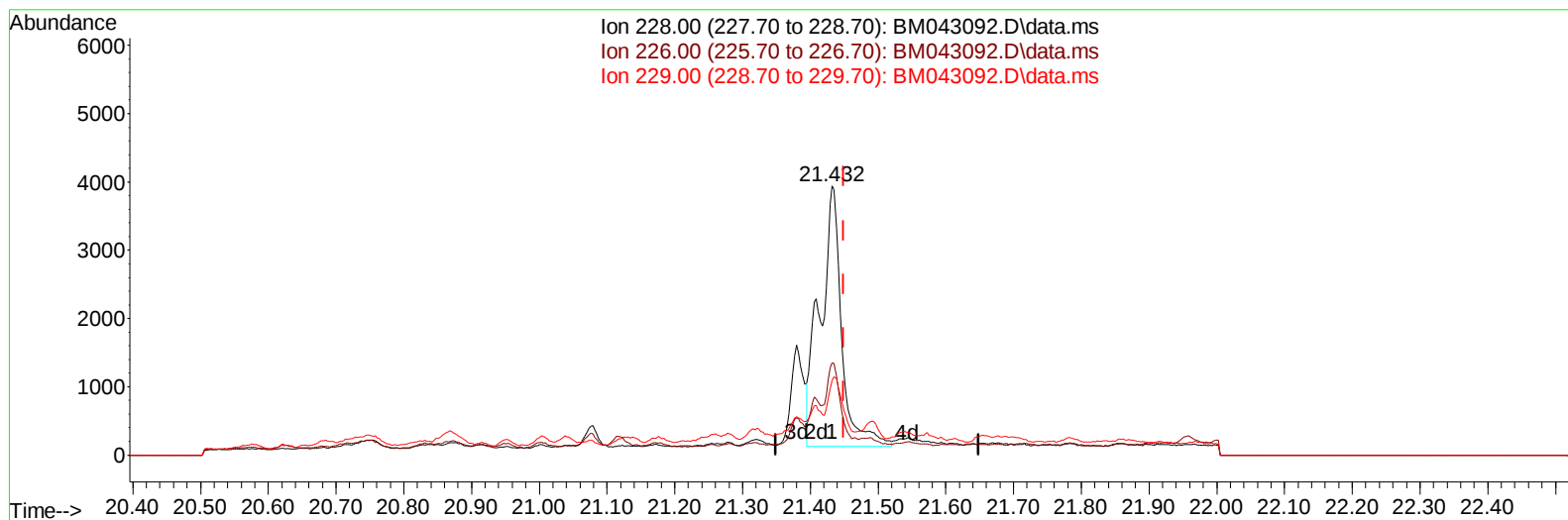
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(22) Chrysene

21.432min (-0.017) 0.58 ng/ul m

response 8498

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	34.00	34.38
229.00	22.50	27.78#
0.00	0.00	0.00

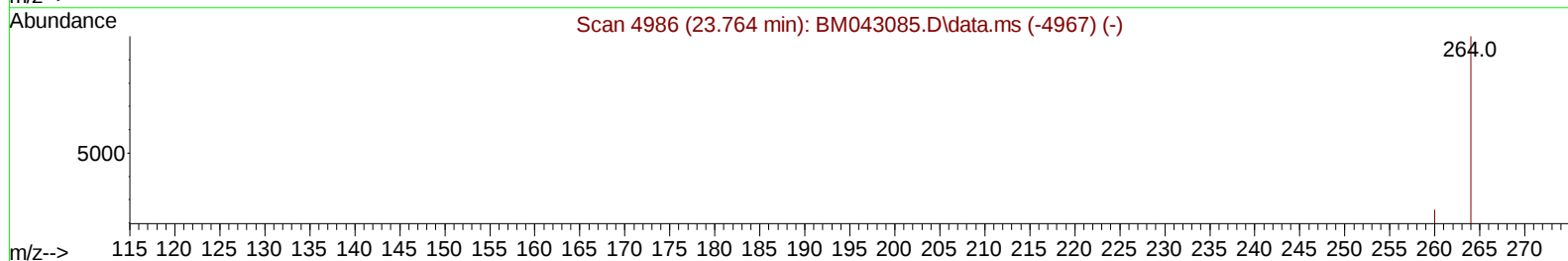
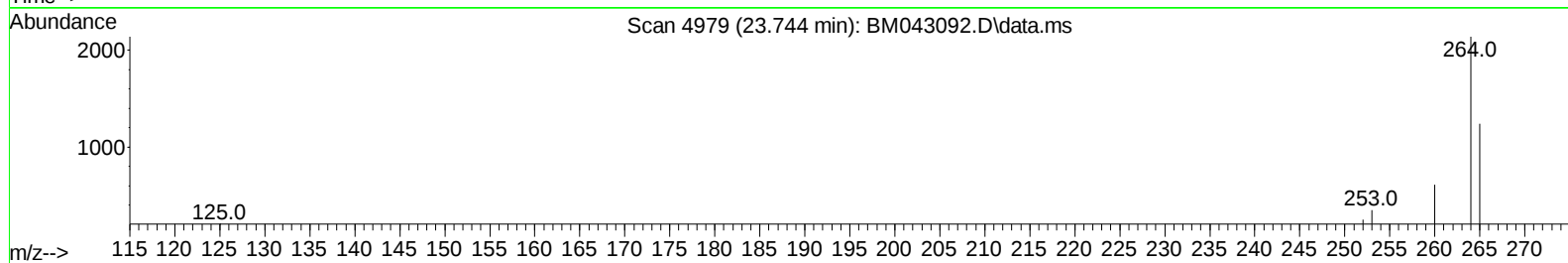
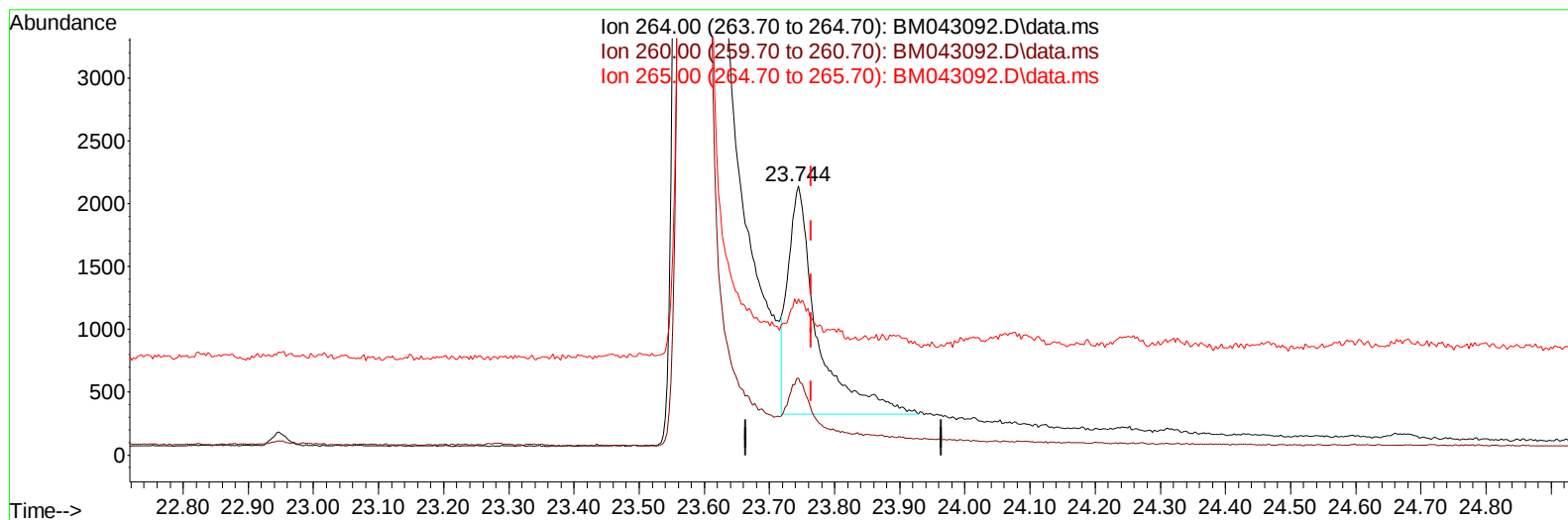
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/u1

response 5697

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.75
265.00	120.30	58.02#
0.00	0.00	0.00

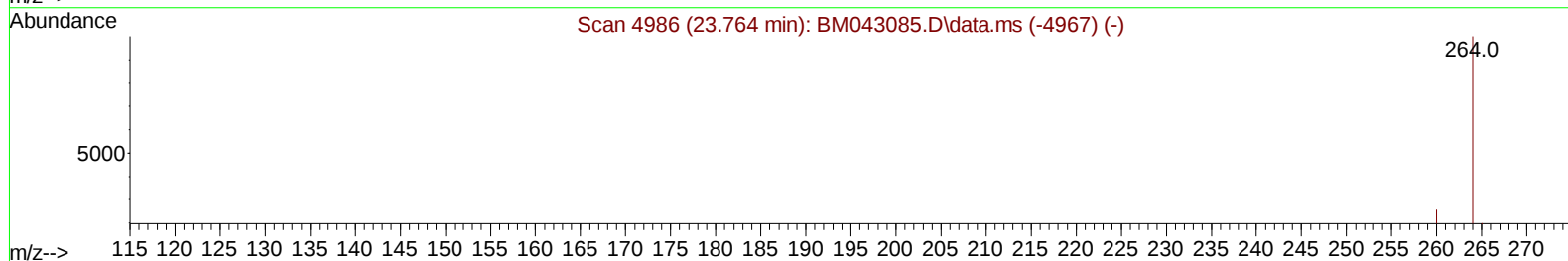
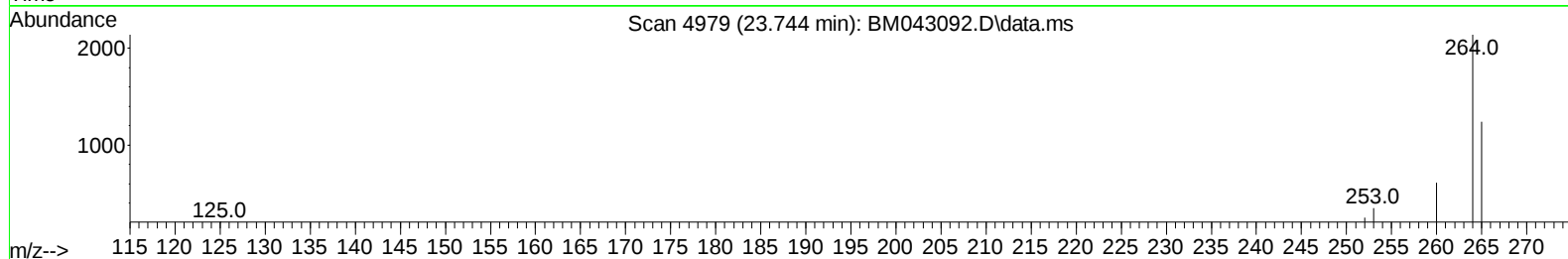
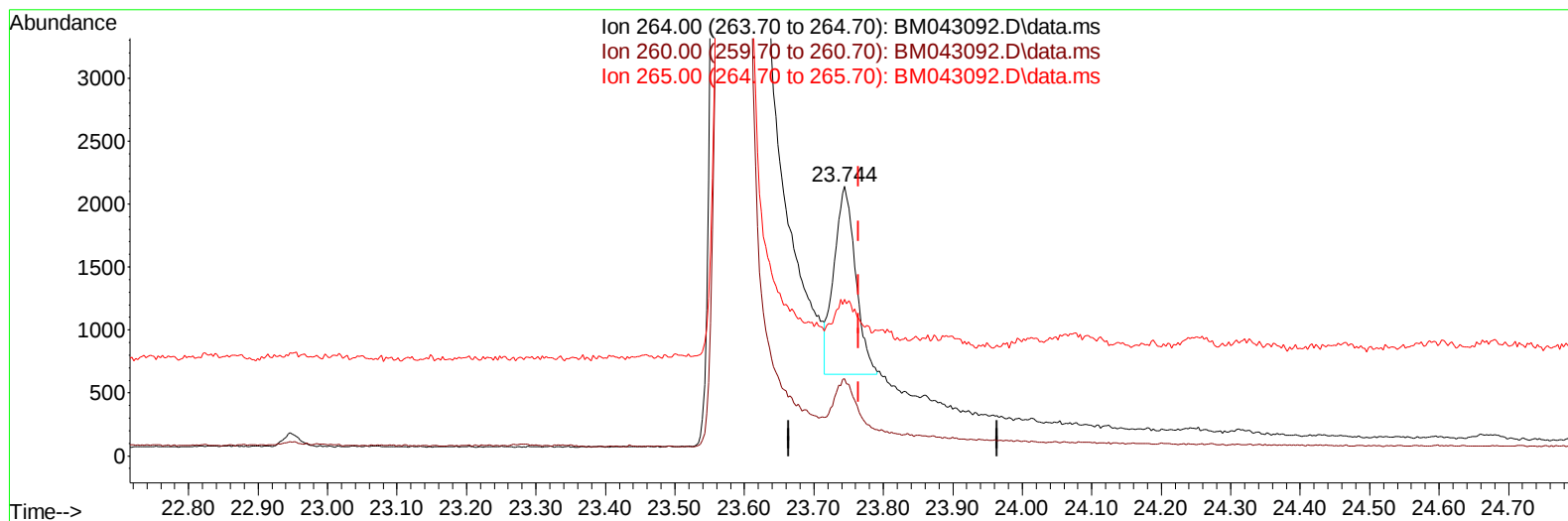
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
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Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/ul m

response 3203

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.75
265.00	120.30	58.02#
0.00	0.00	0.00

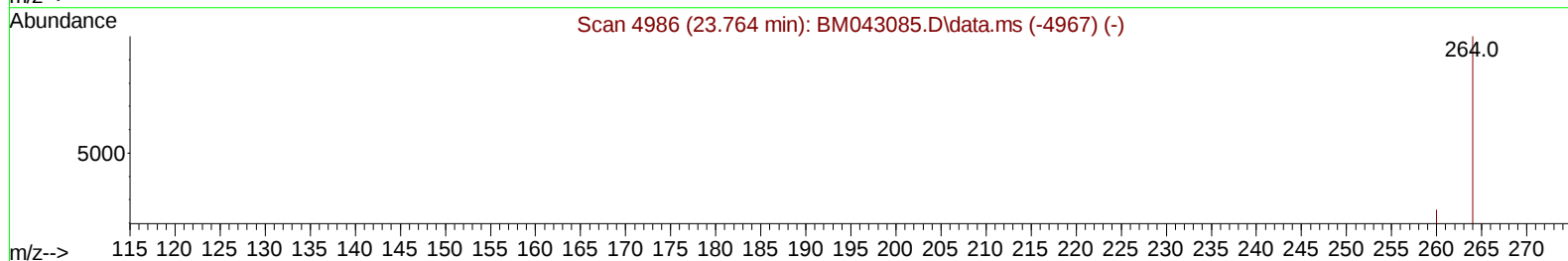
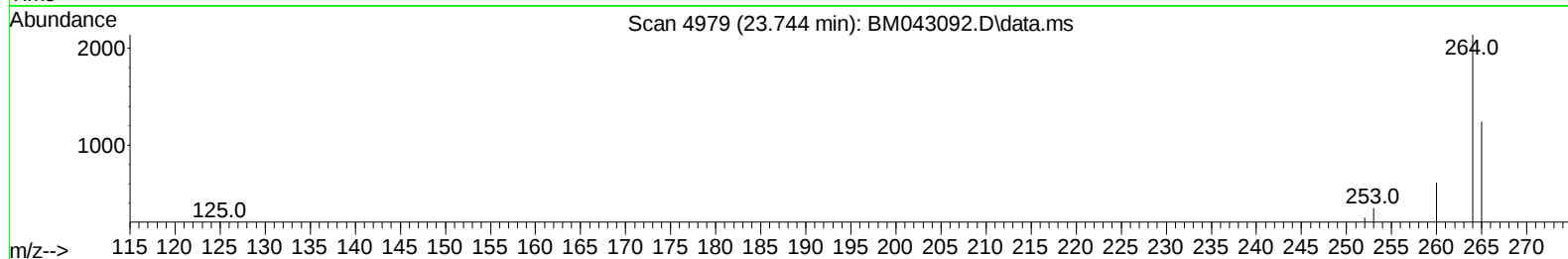
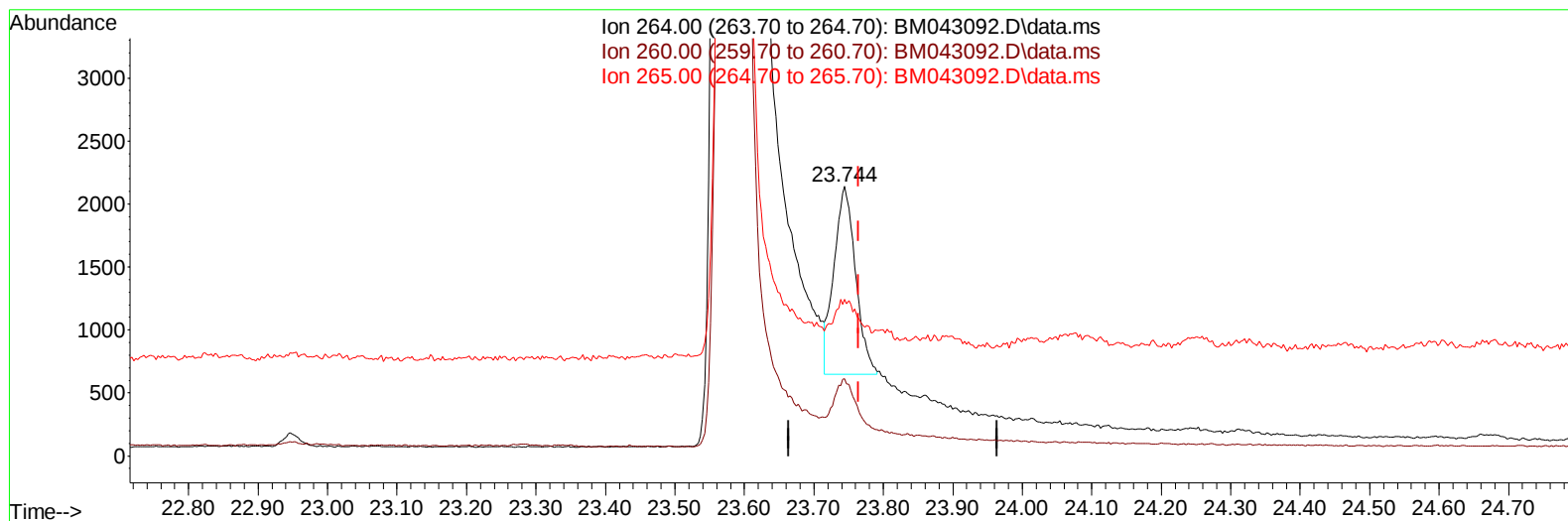
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
 Data File : BM043092.D
 Acq On : 30 Nov 2023 19:28
 Operator : MA/JU
 Sample : 05497-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC2

Manual IntegrationsAPPROVED

Quant Time: Dec 01 00:44:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:42:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/04/2023



TIC: BM043092.D\data.ms

(23) Perylene-d12 (I)

23.744min (-0.020) 0.40 ng/ul m

response 3203

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	33.90	28.75
265.00	120.30	58.02#
0.00	0.00	0.00

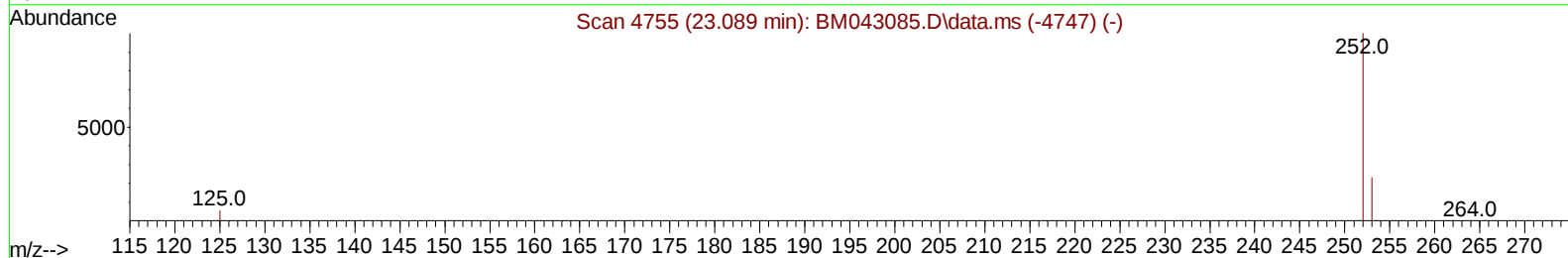
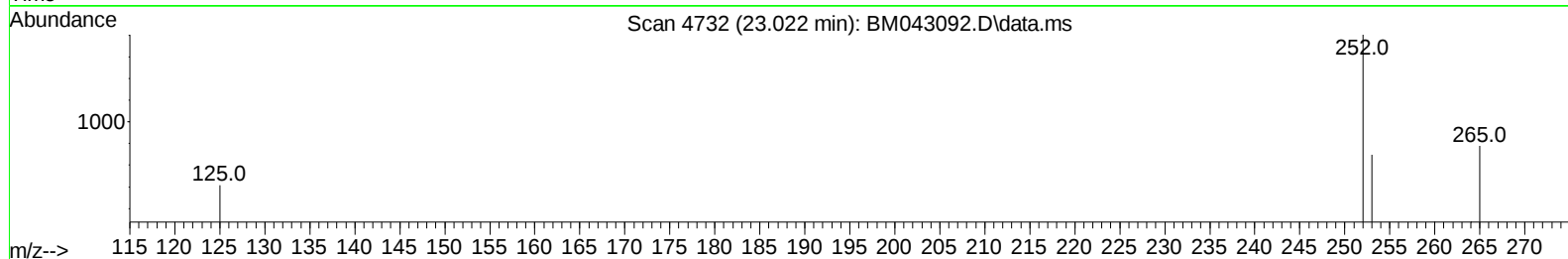
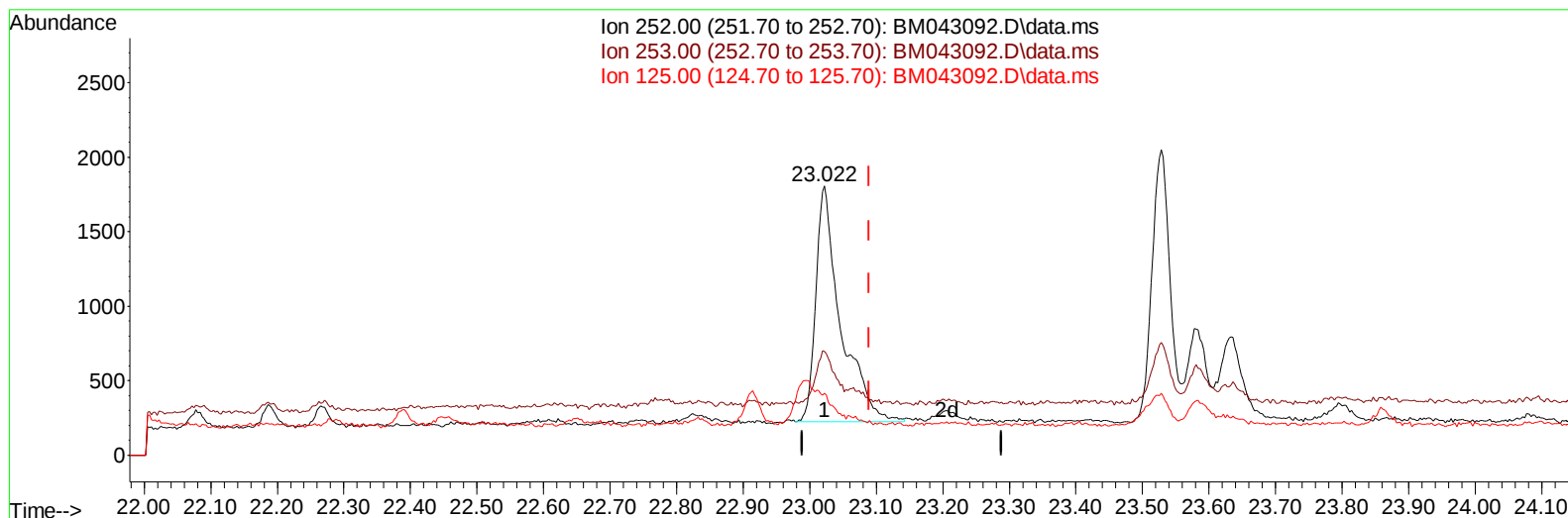
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
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TIC: BM043092.D\data.ms

(25) Benzo(k)fluoranthene

23.022min (-0.067) 0.28 ng/u1

response 4127

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	38.54
125.00	13.80	22.98#
0.00	0.00	0.00

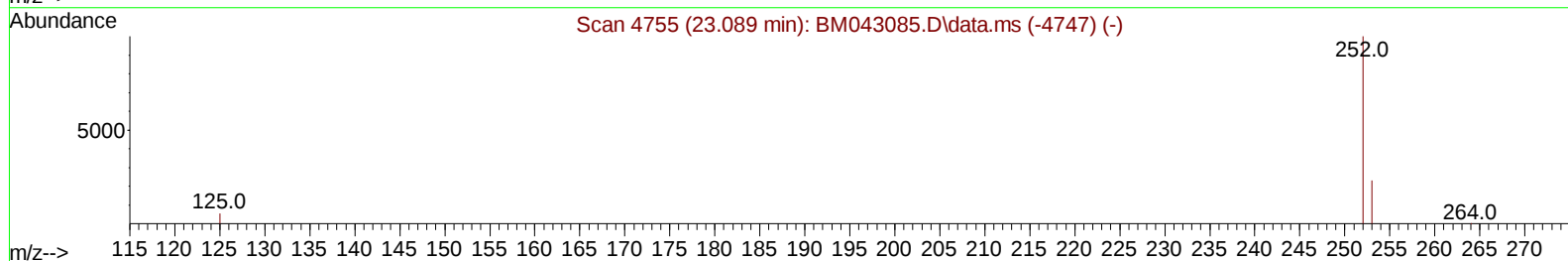
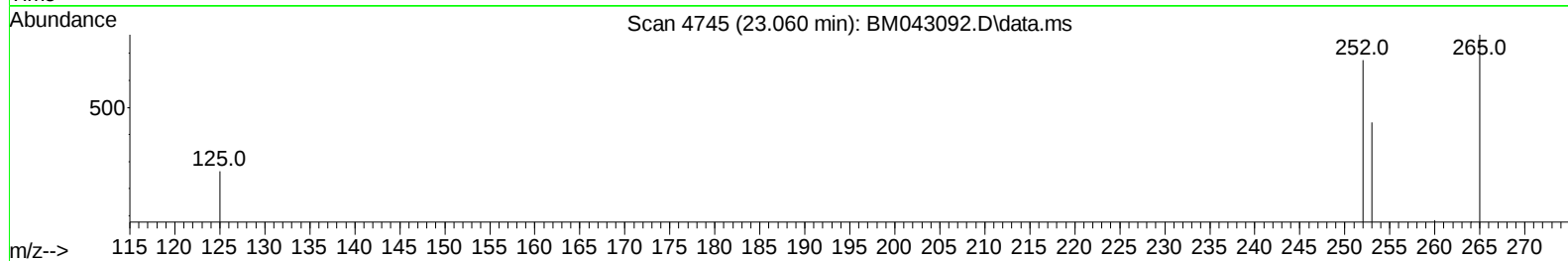
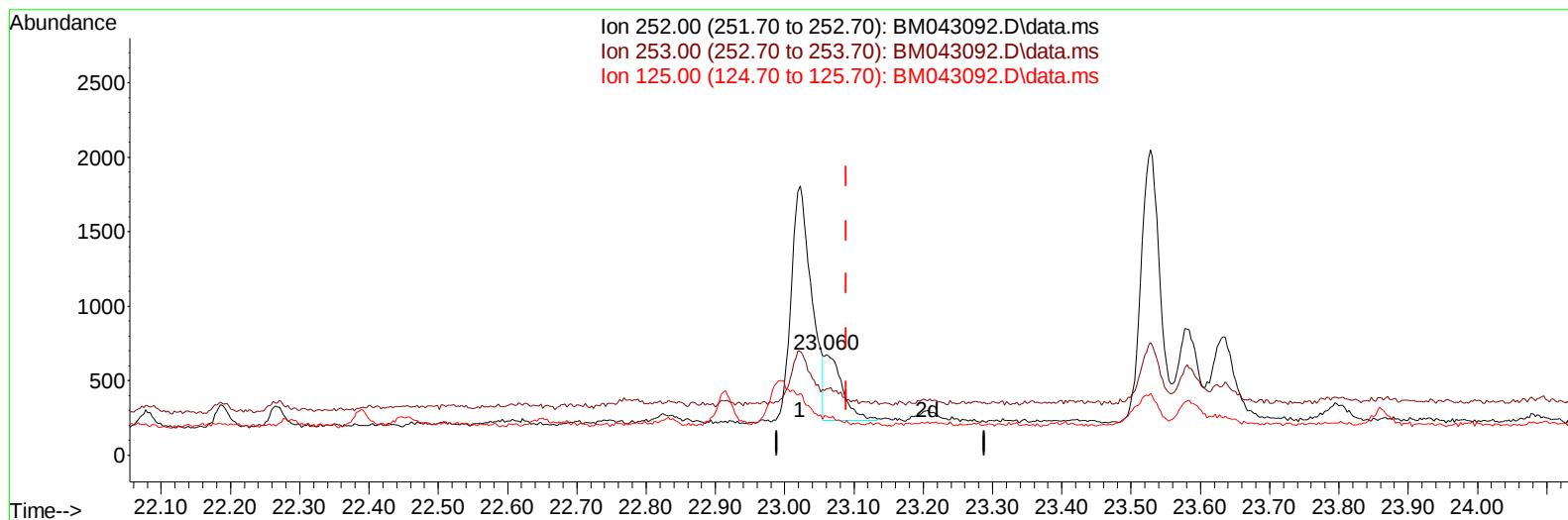
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM113023\
Data File : BM043092.D
Acq On : 30 Nov 2023 19:28
Operator : MA/JU
Sample : 05497-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC2

Manual IntegrationsAPPROVED

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TIC: BM043092.D\data.ms

(25) Benzo(k)fluoranthene

23.060min (-0.029) 0.05 ng/u1 m

response 811

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	35.20	65.68#
125.00	13.80	39.05#
0.00	0.00	0.00

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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.800	152	977	0.400	ng/ul	#-0.06
4) Naphthalene-d8	10.600	136	2819	0.400	ng/ul	#-0.03
9) Acenaphthene-d10	14.450	164	1898m	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.203	188	3531m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.397	240	2411m	0.400	ng/ul	-0.01
23) Perylene-d12	23.744	264	3203m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.160	96	4219	2.814	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.200	152	1404	0.372	ng/ul	-0.03
18) Fluoranthene-d10	19.233	212	3367	0.383	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.649	128	6783	0.885	ng/ul#	86
7) 2-Methylnaphthalene	12.271	142	7116	1.575	ng/ul	96
8) 1-Methylnaphthalene	12.486	142	8637	1.714	ng/ul	98
11) Acenaphthene	14.524	153	547	0.075	ng/ul#	54
12) Fluorene	15.500	166	660	0.088	ng/ul#	86
15) Phenanthrene	17.241	178	36760	3.648	ng/ul	93
19) Fluoranthene	19.266	202	4814	0.352	ng/ul	97
20) Pyrene	19.628	202	4904m	0.337	ng/ul	
21) Benzo(a)anthracene	21.380	228	1795m	0.229	ng/ul	
22) Chrysene	21.432	228	8498m	0.583	ng/ul	
24) Benzo(b)fluoranthene	23.022	252	3258	0.301	ng/ul	91
25) Benzo(k)fluoranthene	23.060	252	811m	0.054	ng/ul	
26) Benzo(a)pyrene	23.633	252	1243	0.105	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	26.195	276	936	0.059	ng/ul#	100
29) Benzo(g,h,i)perylene	26.963	276	1831	0.118	ng/ul#	89

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

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