

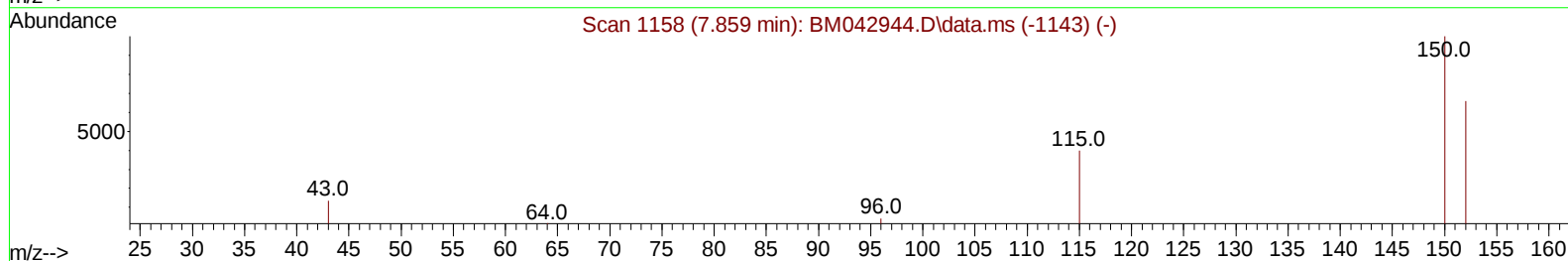
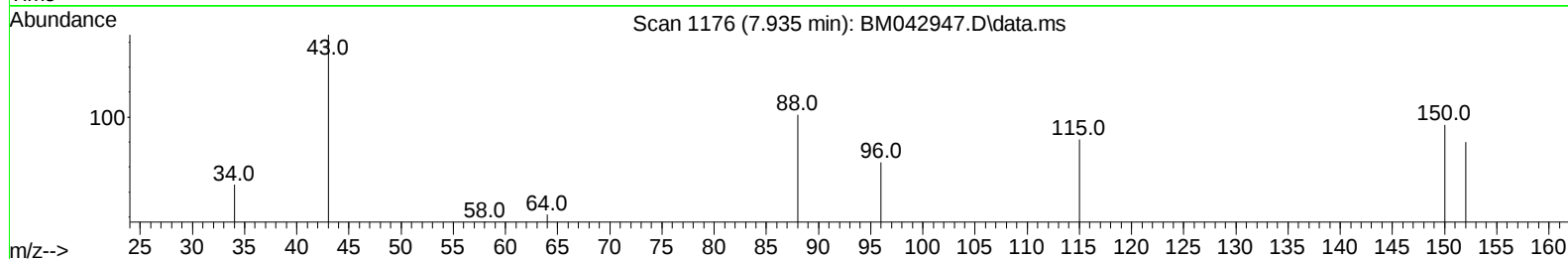
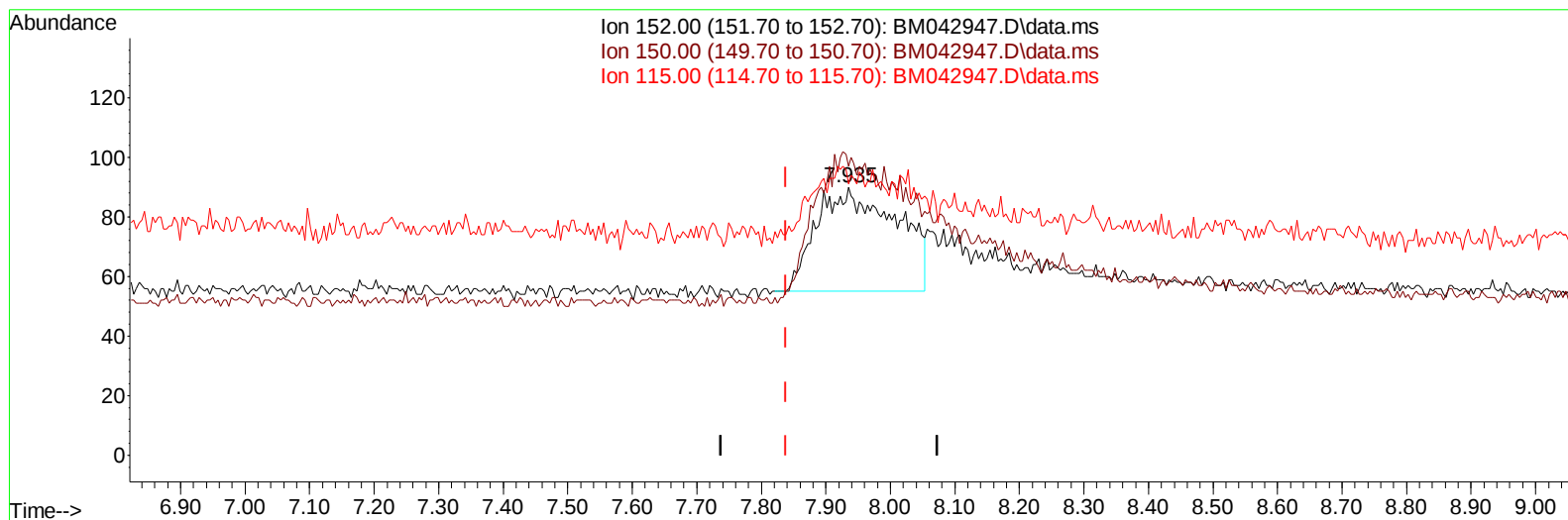
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.935min (+ 0.097) 0.40 ng/u1

response 300

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	142.70	107.78#
115.00	84.90	101.11
0.00	0.00	0.00

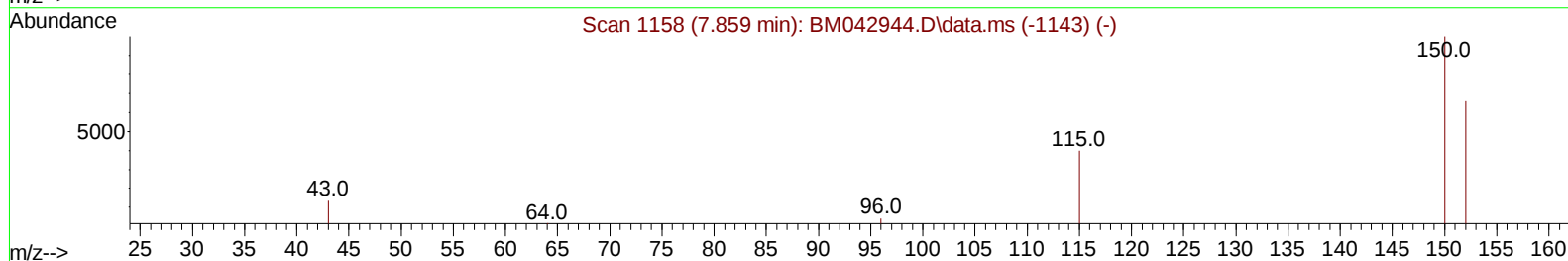
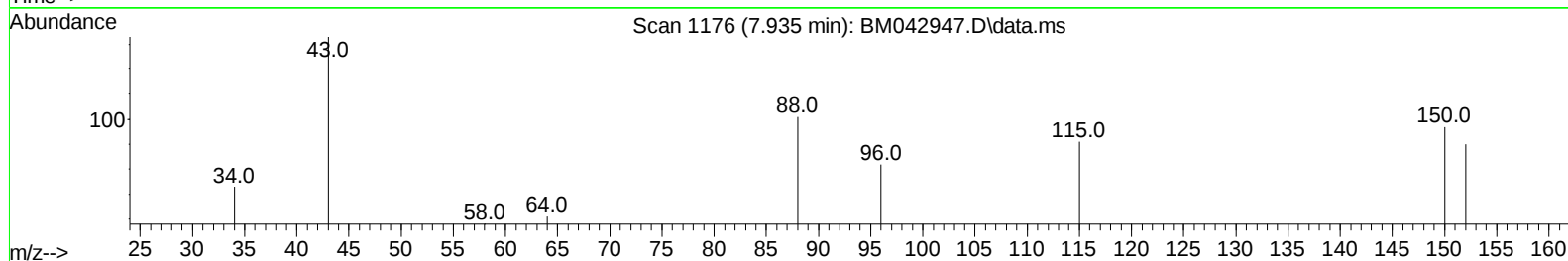
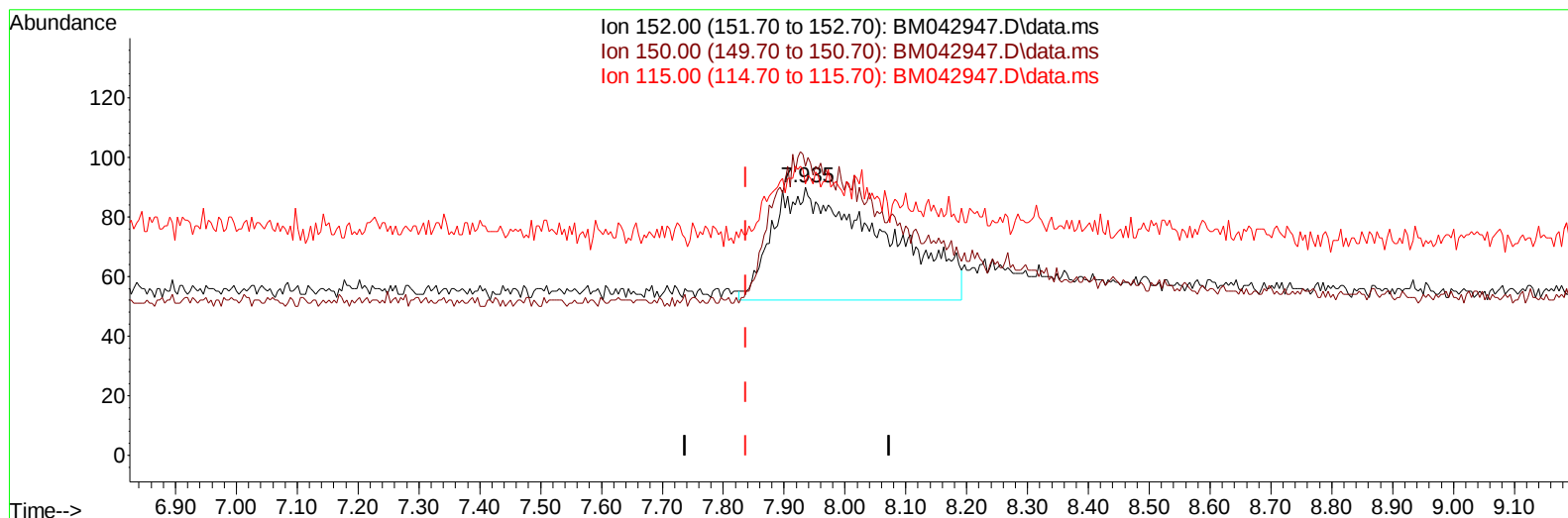
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
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 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 22 10:35:26 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.935min (+ 0.097) 0.40 ng/ul m

response 484

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	142.70	107.78#
115.00	84.90	101.11
0.00	0.00	0.00

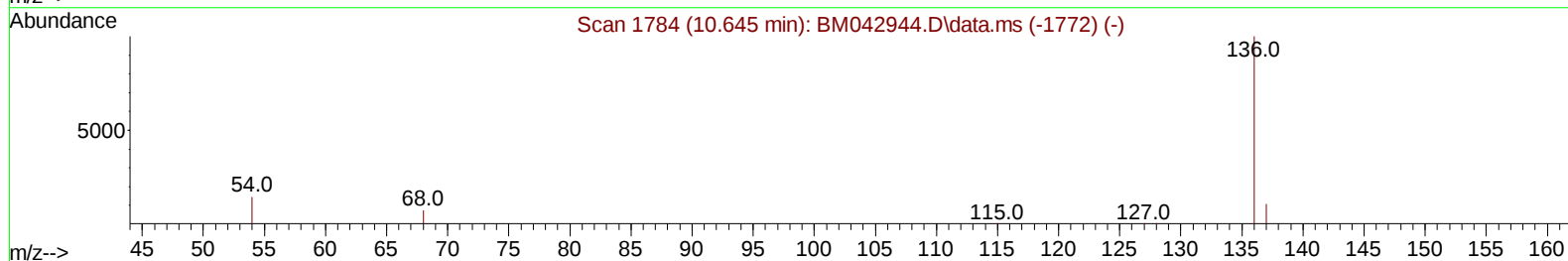
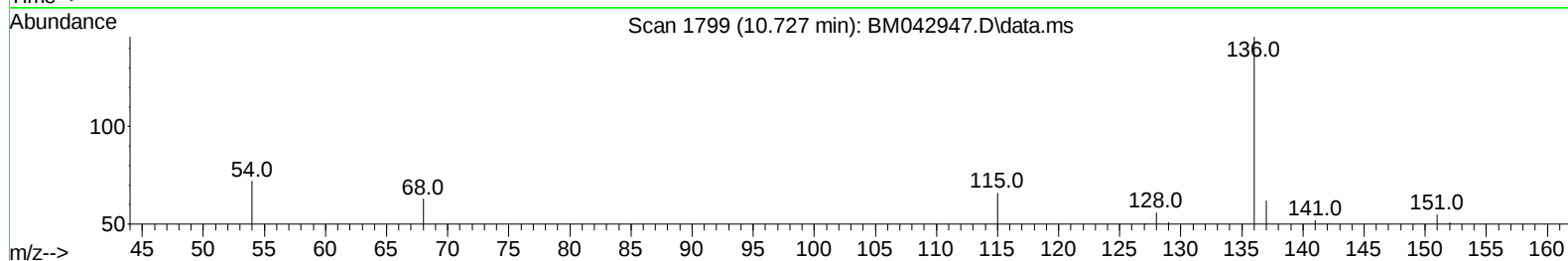
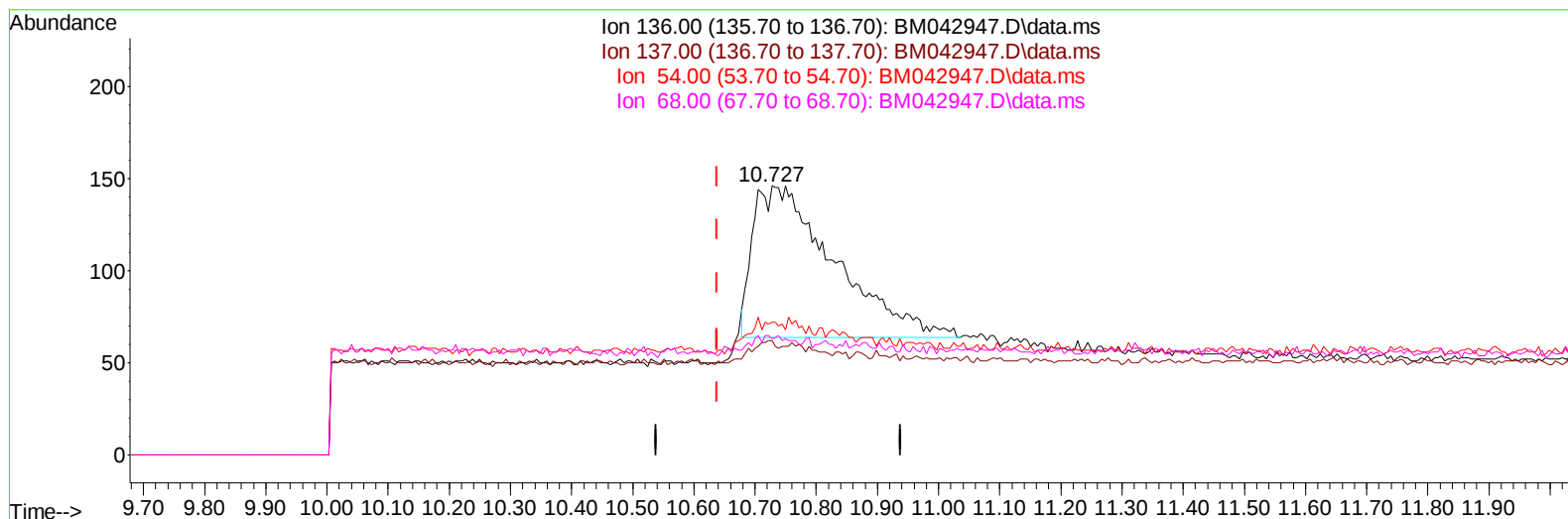
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
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Reviewed By :Yogesh Patel 11/23/2023
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TIC: BM042947.D\data.ms

(4) Naphthalene-d8 (I)

10.727min (+ 0.089) 0.40 ng/u1

response 756

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	18.30	42.47#
54.00	25.70	49.32#
68.00	17.60	43.15#

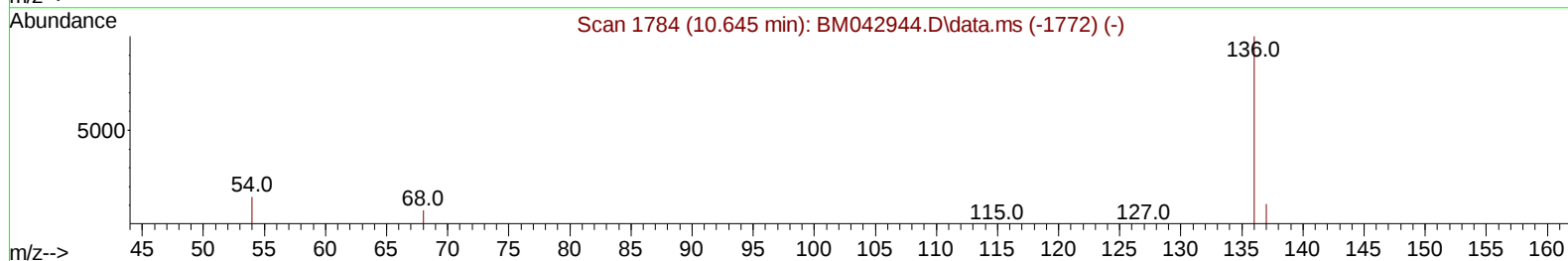
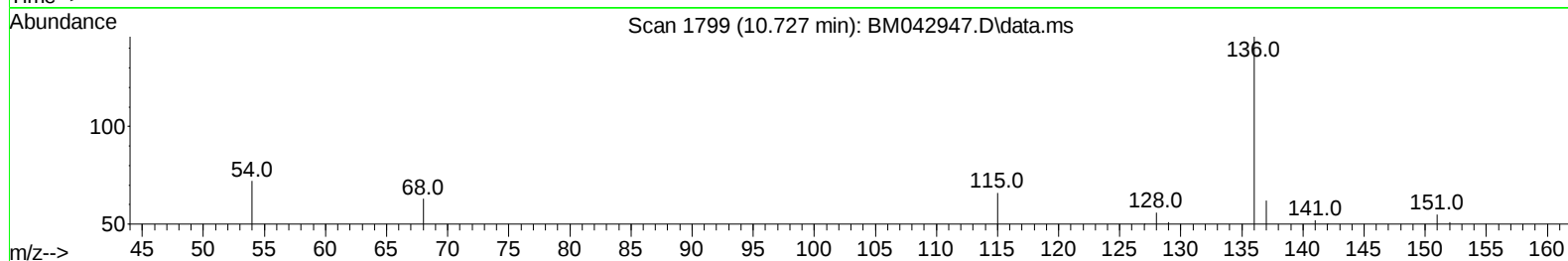
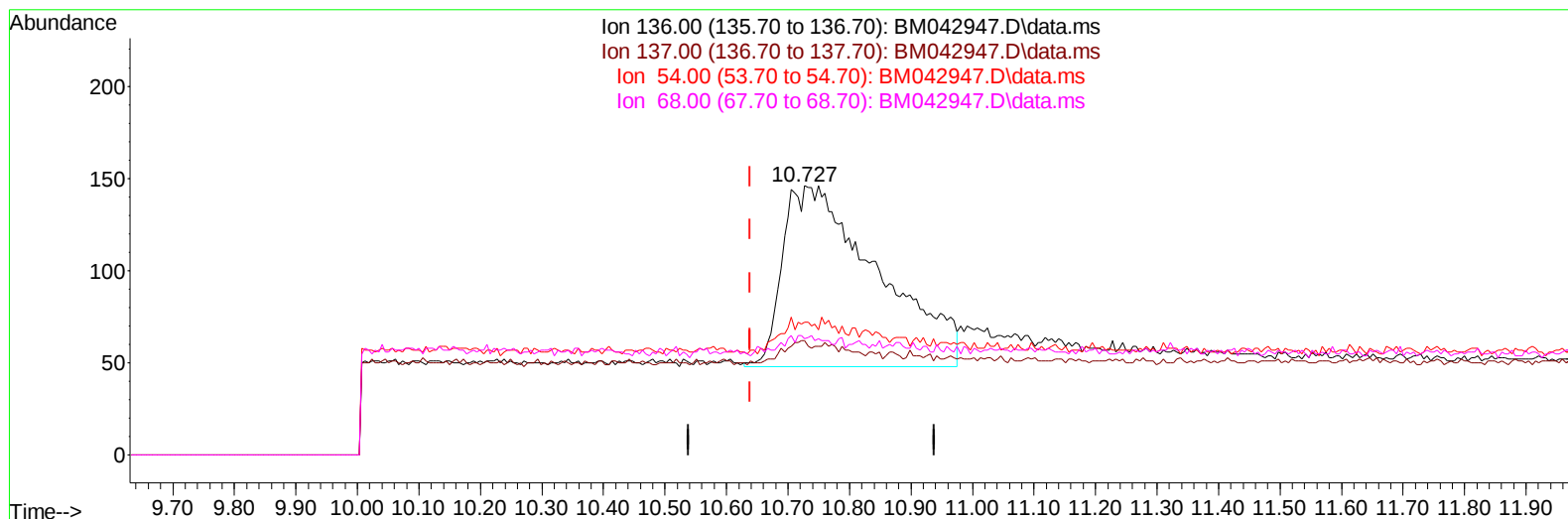
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
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Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(4) Naphthalene-d8 (I)

10.727min (+ 0.089) 0.40 ng/ul m

response 1055

Ion	Exp%	Act%
136.00	100.00	100.00
137.00	18.30	42.47#
54.00	25.70	49.32#
68.00	17.60	43.15#

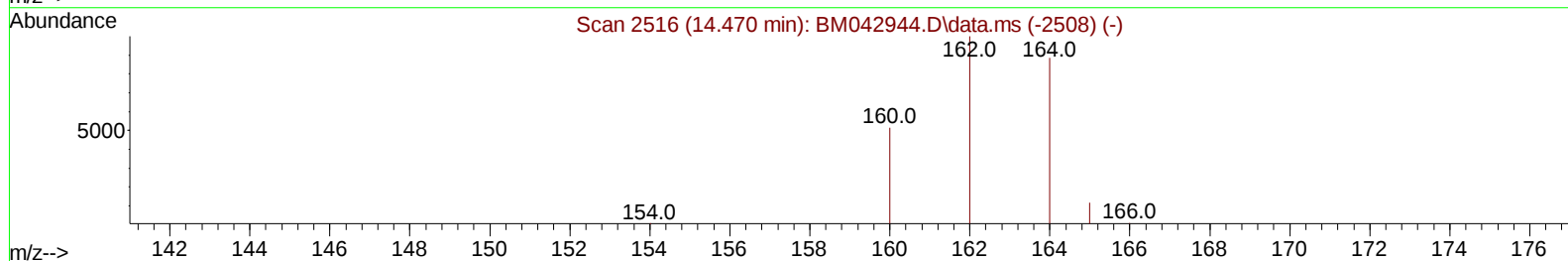
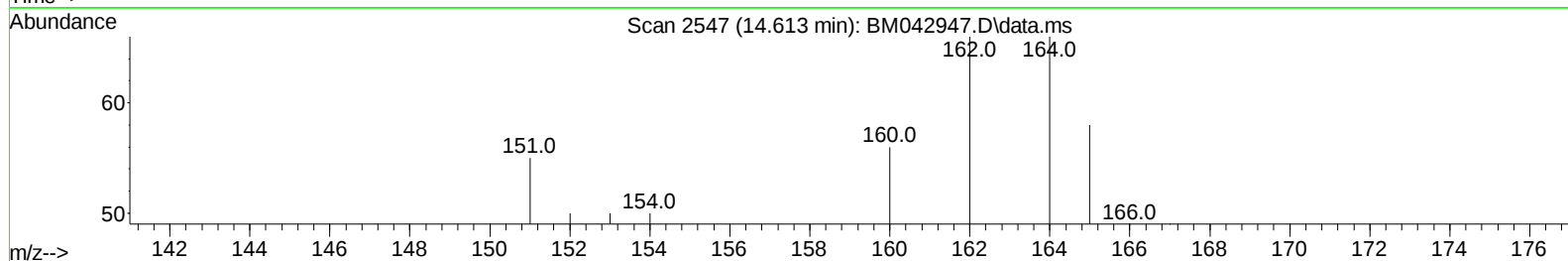
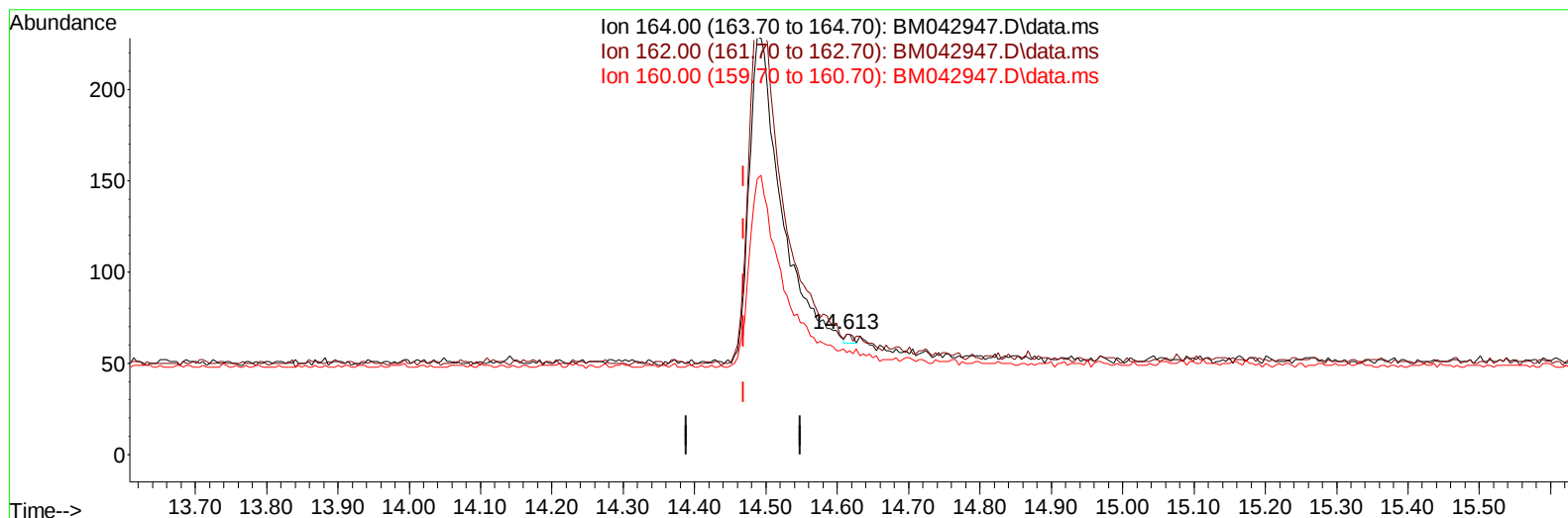
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
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TIC: BM042947.D\data.ms

(9) Acenaphthene-d10 (I)

14.613min (+ 0.145) 0.40 ng/u1

response 4

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	113.50	100.00
160.00	59.20	84.85#
0.00	0.00	0.00

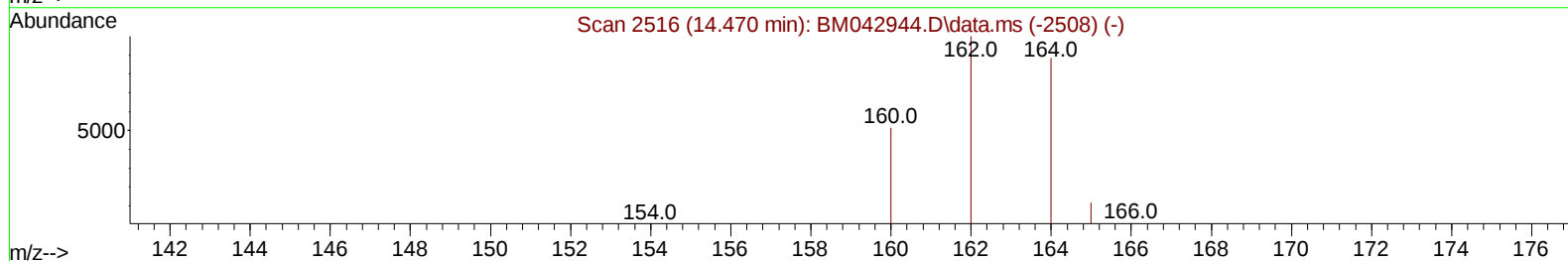
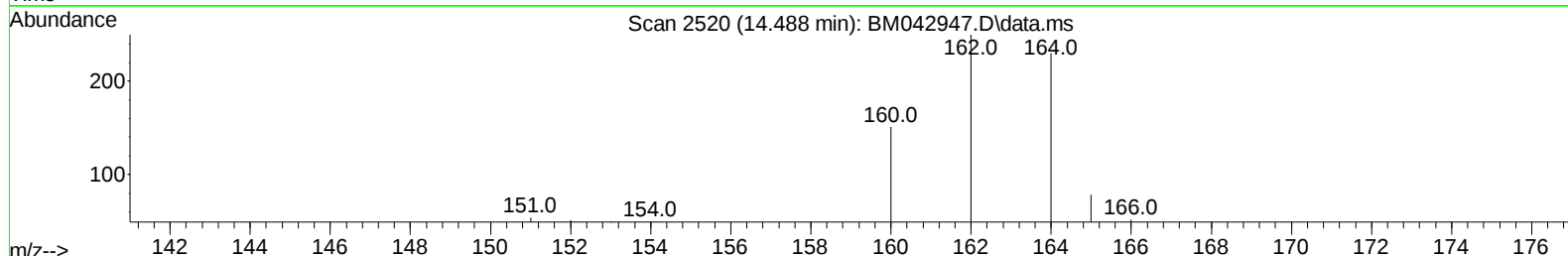
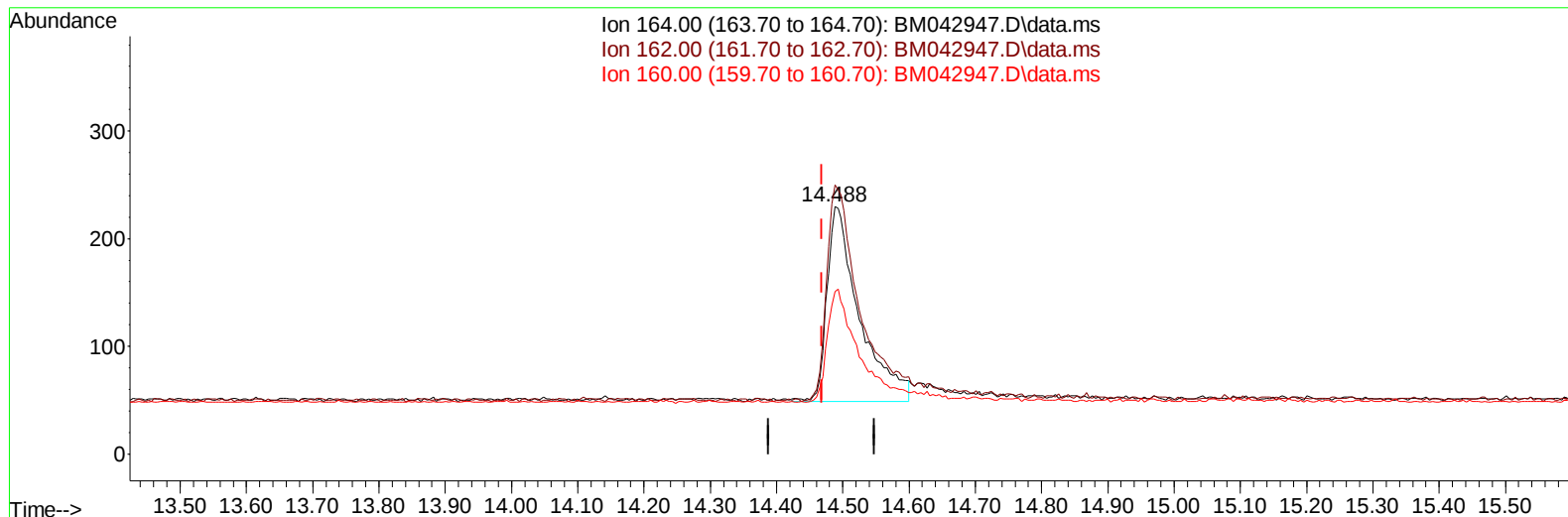
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
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TIC: BM042947.D\data.ms

(9) Acenaphthene-d10 (I)

14.488min (+ 0.020) 0.40 ng/ul m

response 613

Ion	Exp%	Act%
164.00	100.00	100.00
162.00	113.50	108.70
160.00	59.20	65.65
0.00	0.00	0.00

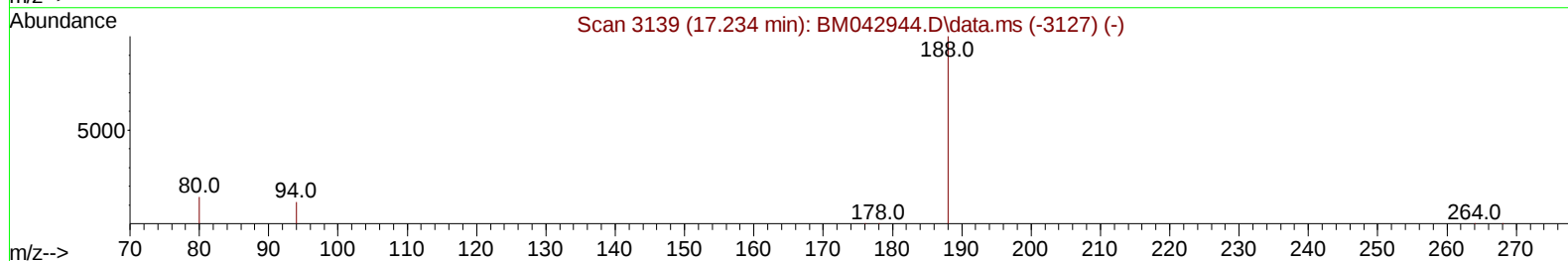
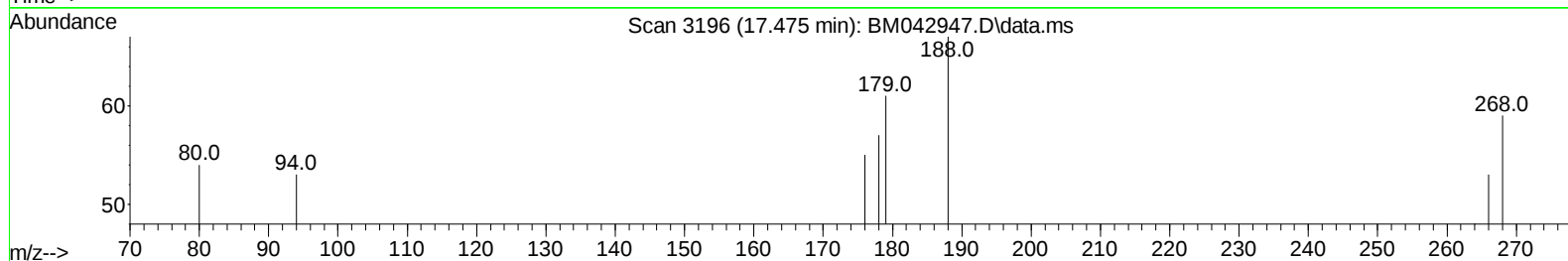
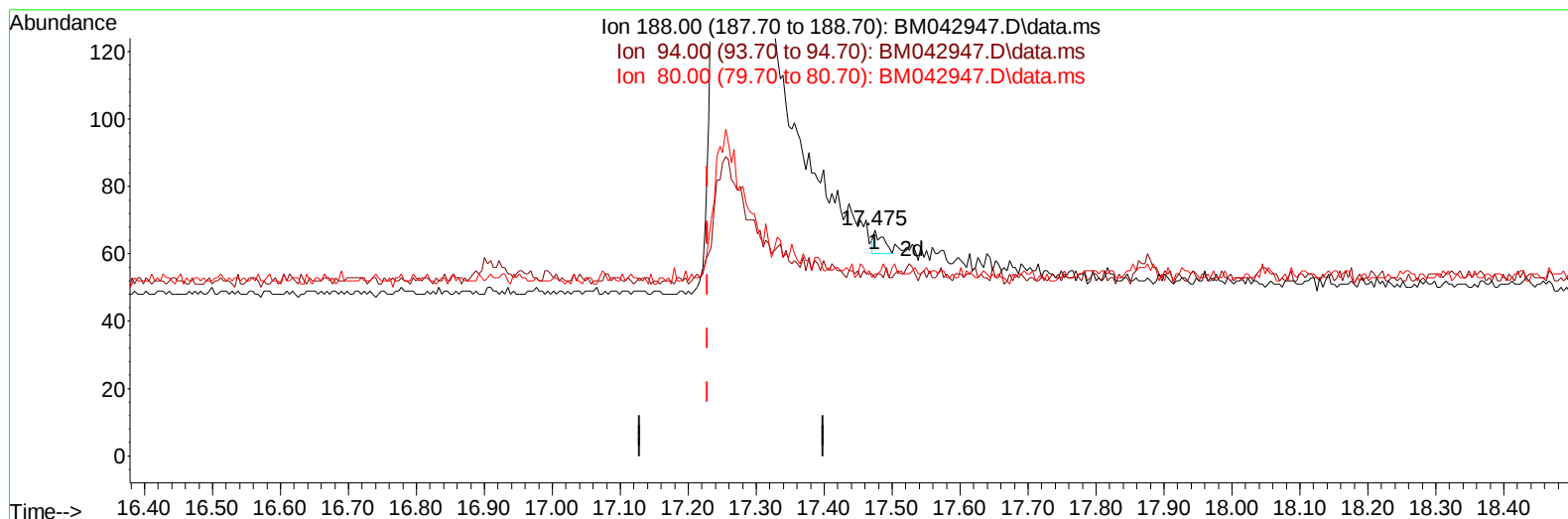
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
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TIC: BM042947.D\data.ms

(13) Phenanthrene-d10 (I)

17.475min (+ 0.246) 0.40 ng/u1

response 7

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	15.90	79.10#
80.00	19.60	80.60#
0.00	0.00	0.00

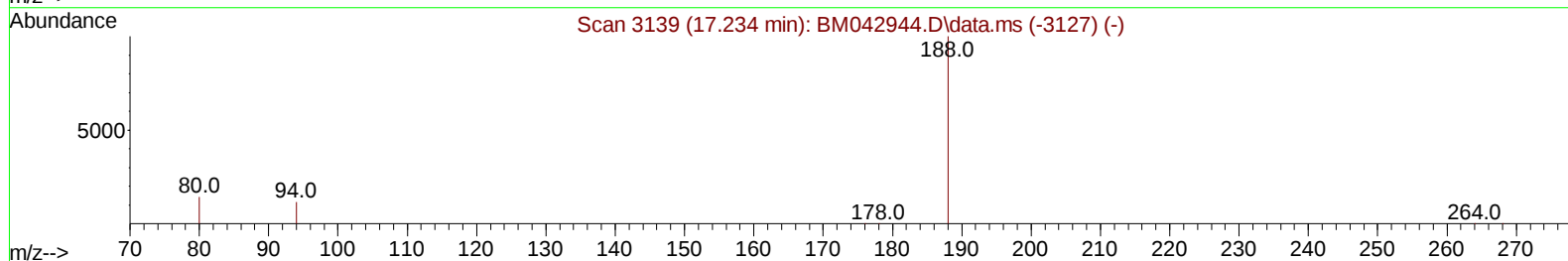
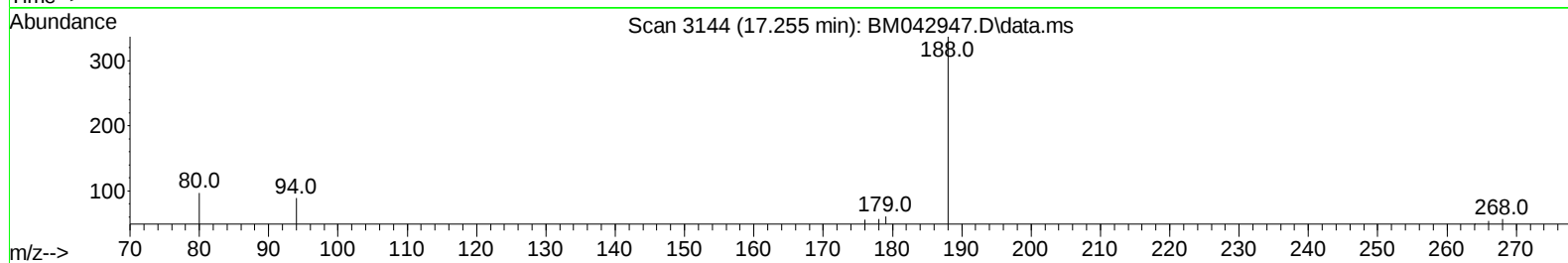
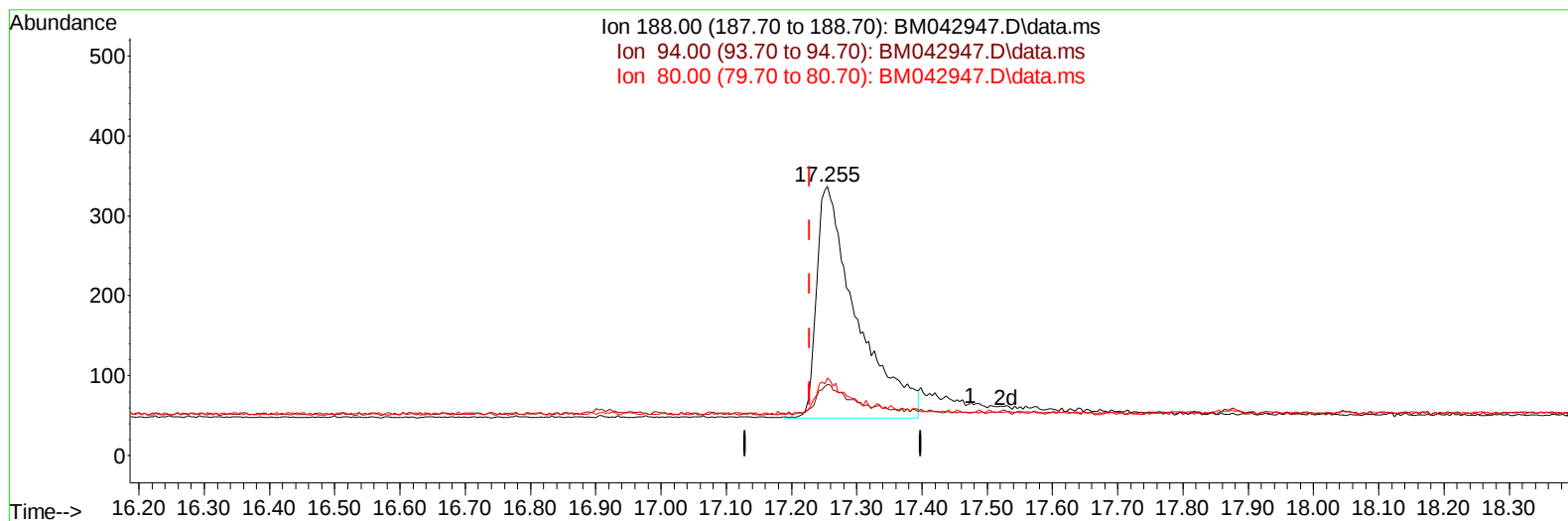
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
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Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(13) Phenanthrene-d10 (I)

17.255min (+ 0.027) 0.40 ng/ul m

response 1237

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	15.90	26.41#
80.00	19.60	28.78#
0.00	0.00	0.00

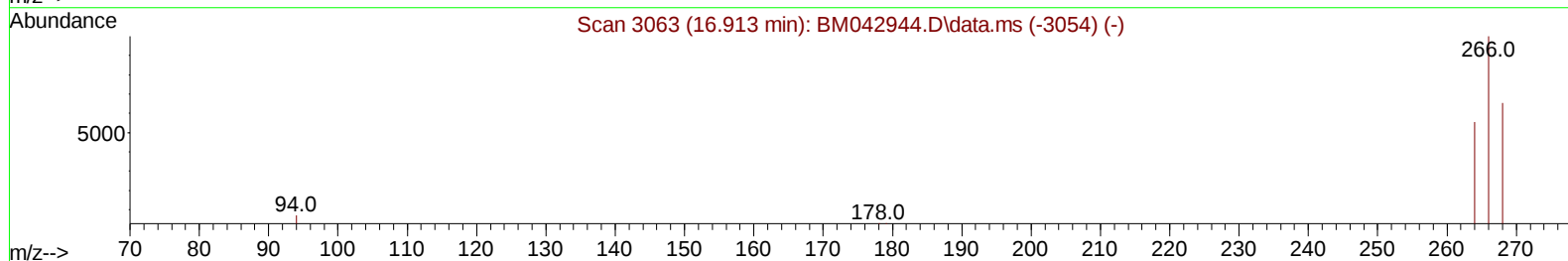
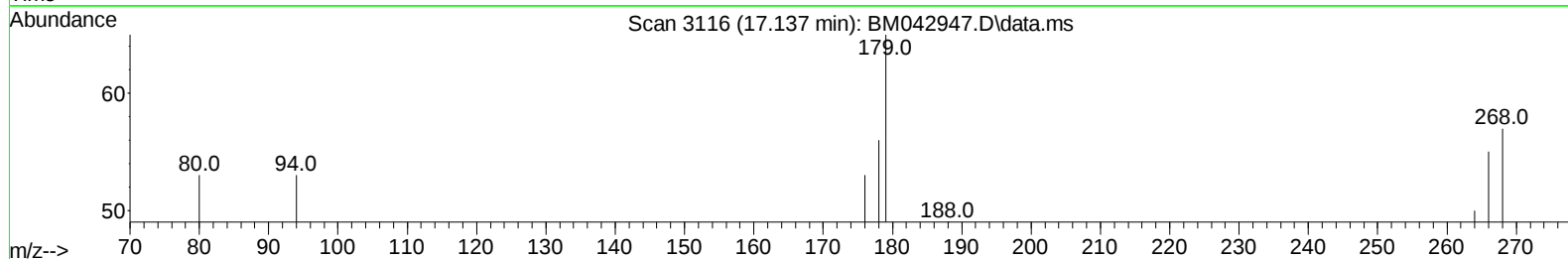
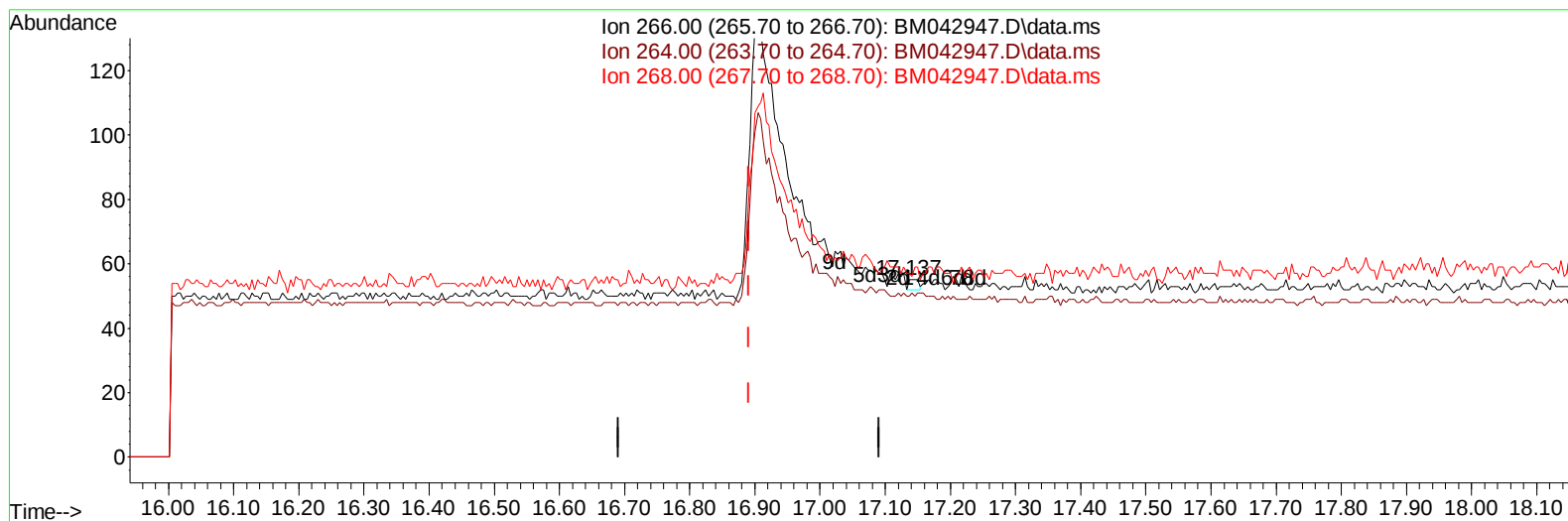
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
 Acq On : 22 Nov 2023 11:46
 Operator : MA/JU
 Sample : 05268-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
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TIC: BM042947.D\data.ms

(14) Pentachloropheno1

17.137min (+ 0.246) 0.00 ng/u1

response 3

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	65.20	100.00#
268.00	60.00	66.67
0.00	0.00	0.00

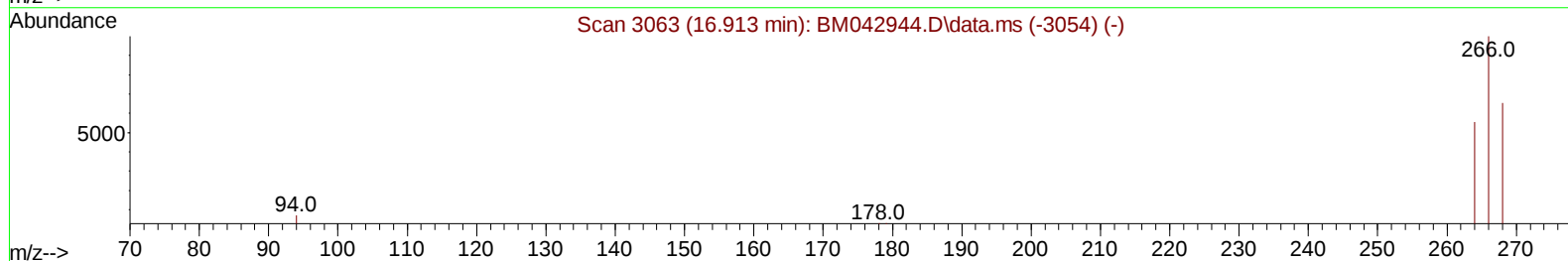
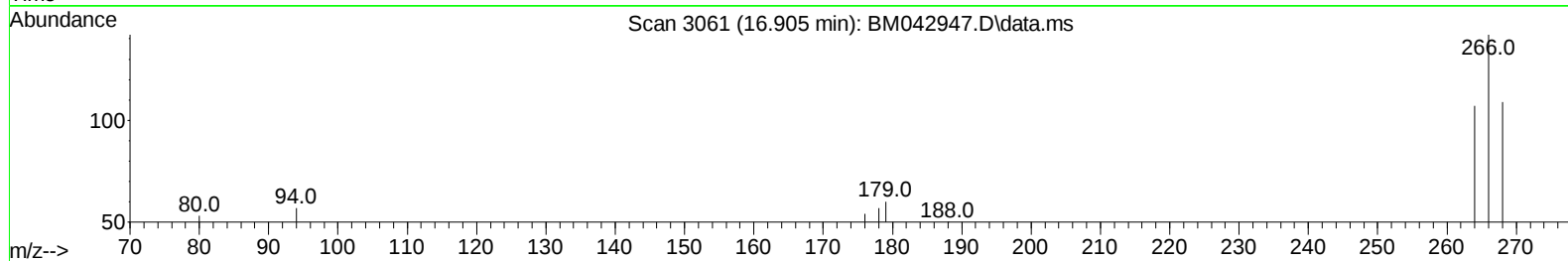
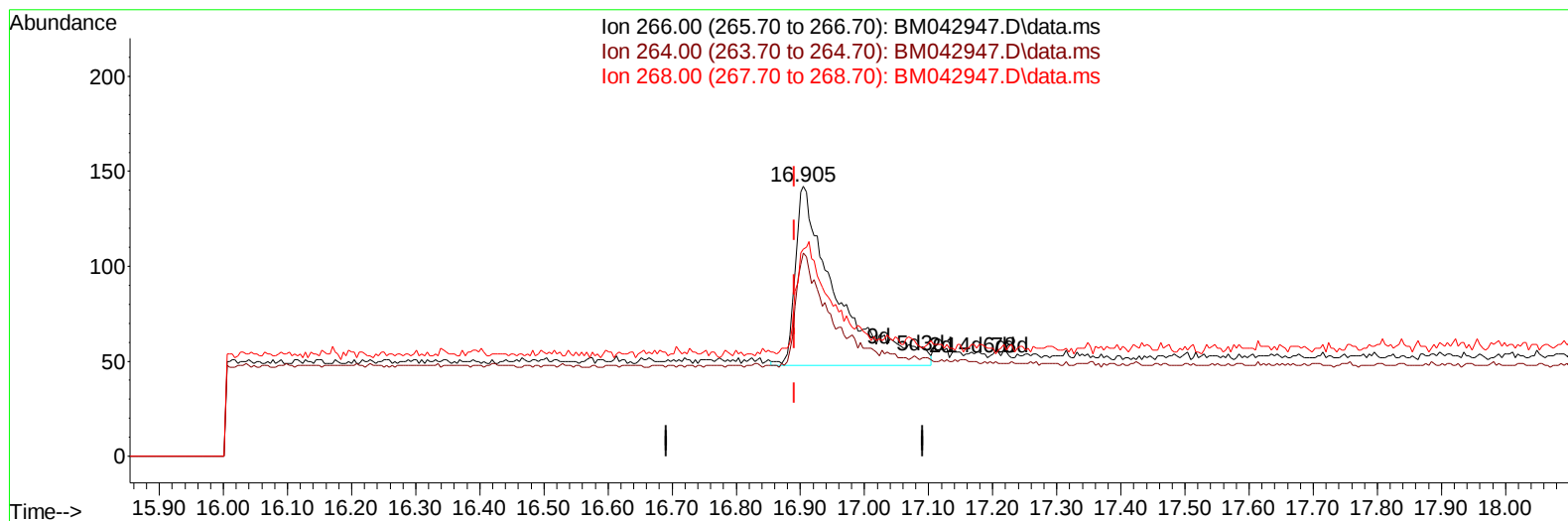
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
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TIC: BM042947.D\data.ms

(14) Pentachlorophenol

16.905min (+ 0.014) 0.60 ng/ul m

response 414

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	65.20	0.72#
268.00	60.00	0.48#
0.00	0.00	0.00

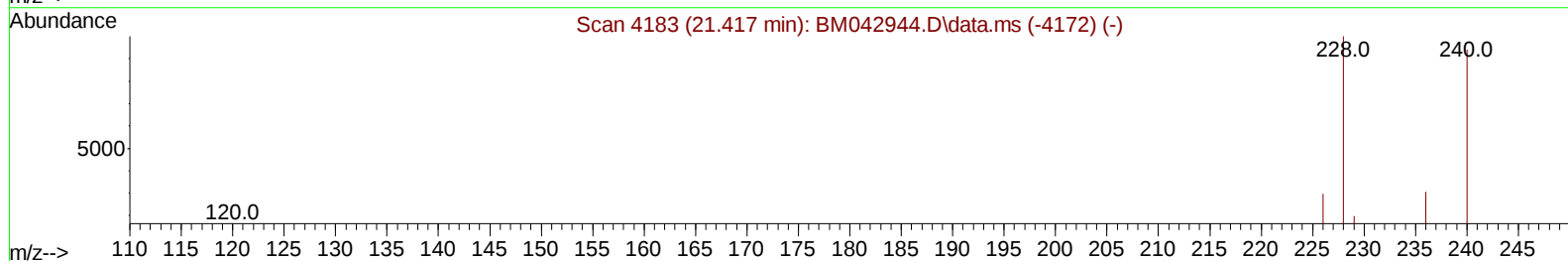
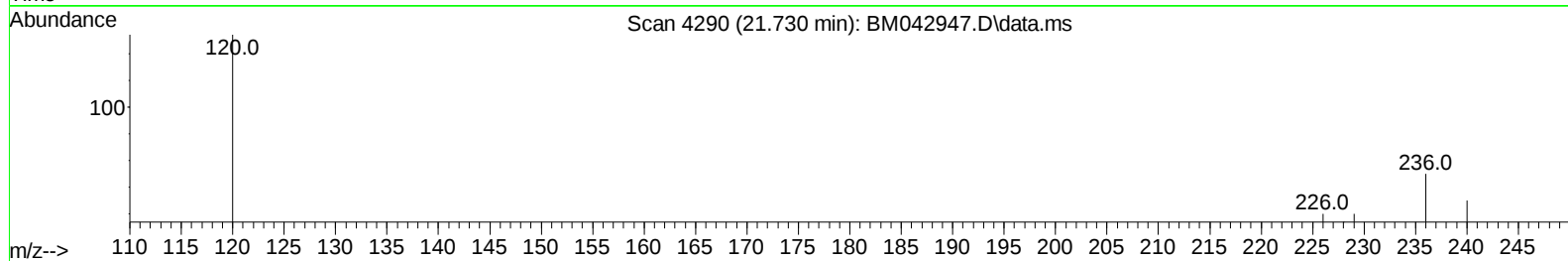
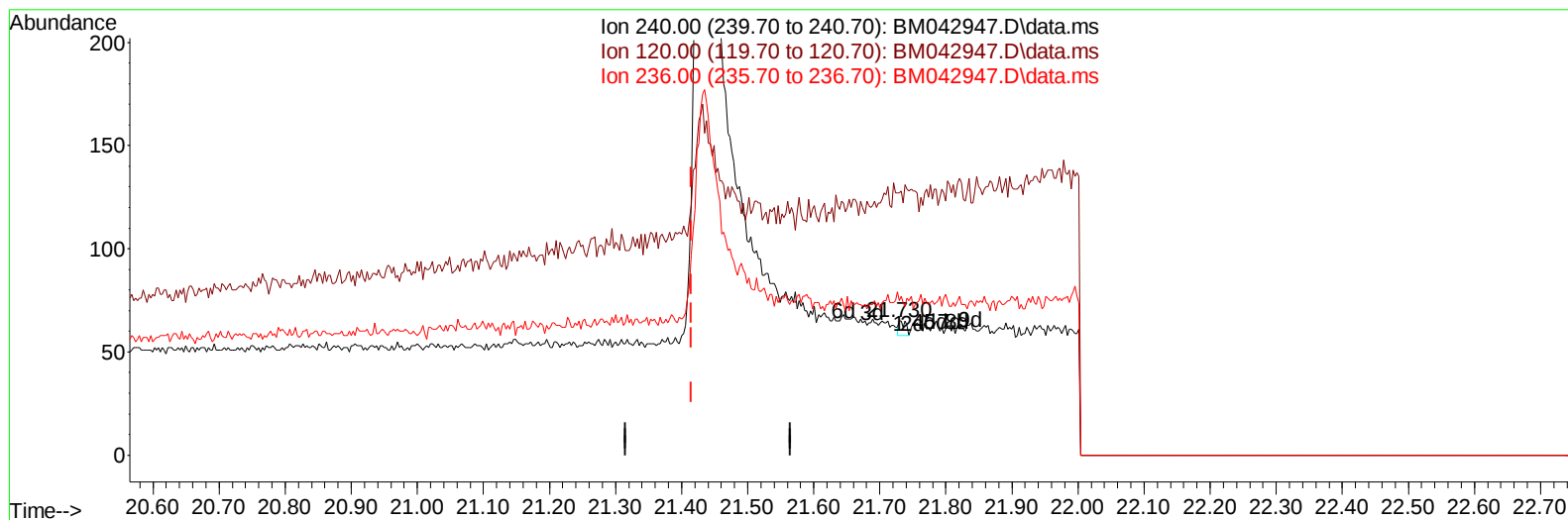
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
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 Operator : MA/JU
 Sample : 05268-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

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TIC: BM042947.D\data.ms

(17) Chrysene-d12

21.730min (+ 0.315) 0.40 ng/u1

response 5

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	35.50	195.38#
236.00	39.00	115.38#
0.00	0.00	0.00

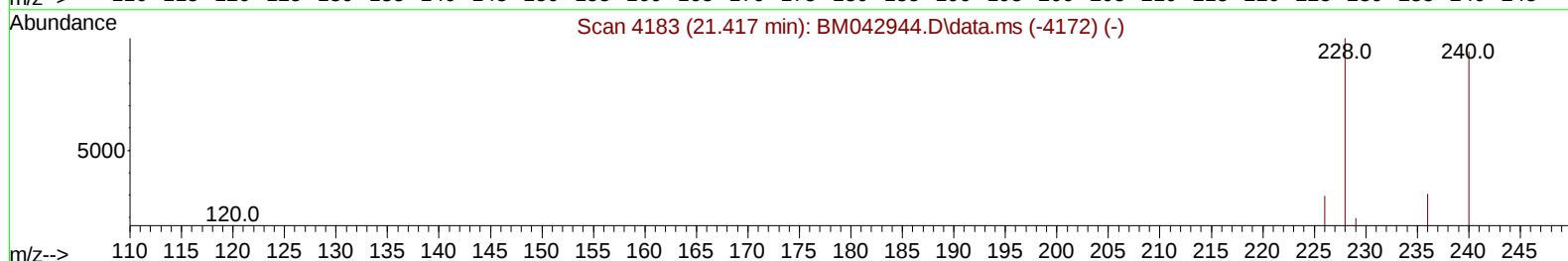
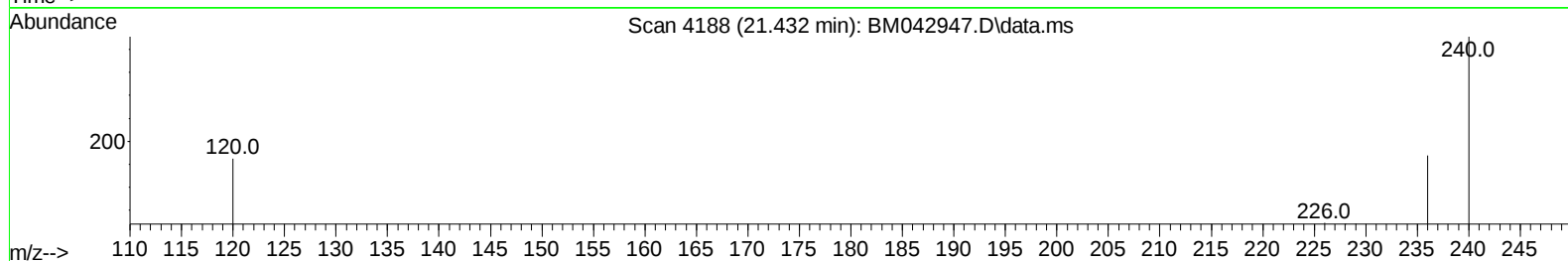
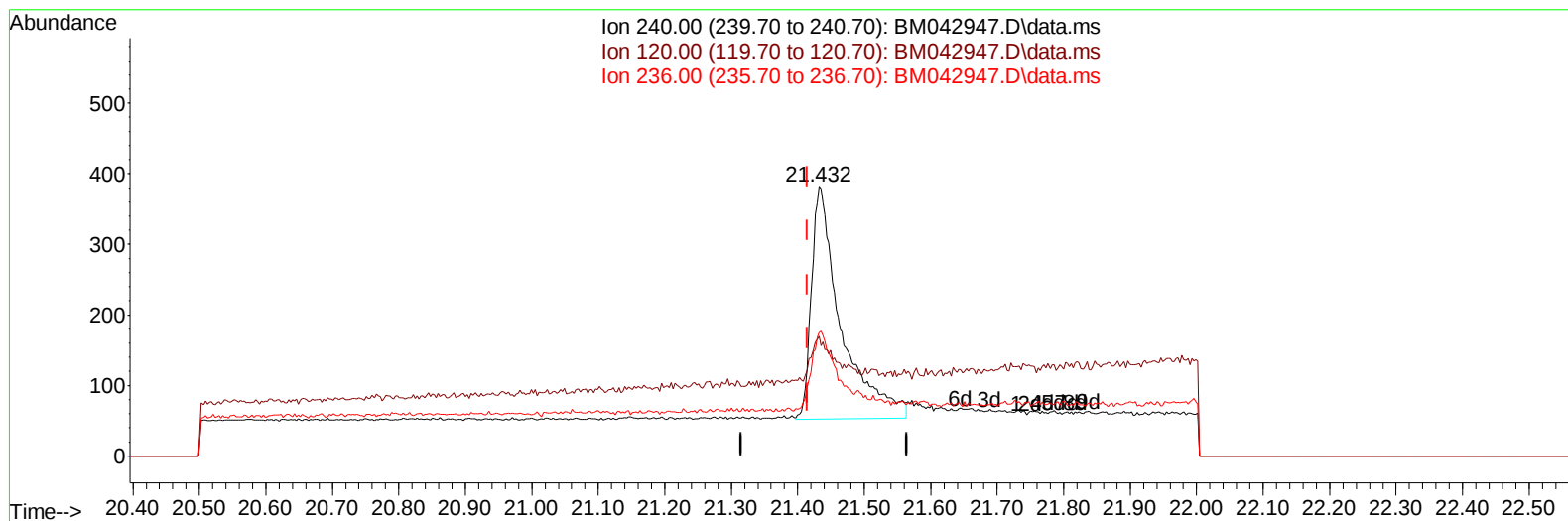
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(17) Chrysene-d12

21.432min (+ 0.017) 0.40 ng/ul m

response 1016

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	35.50	44.50#
236.00	39.00	45.81
0.00	0.00	0.00

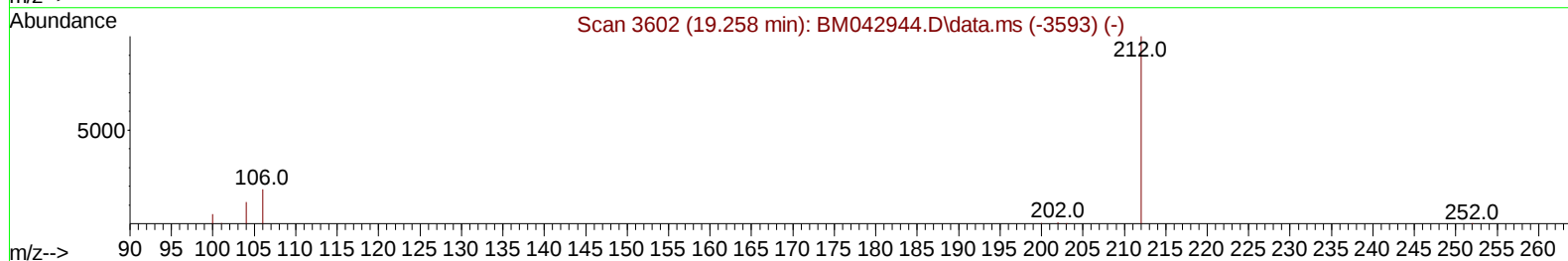
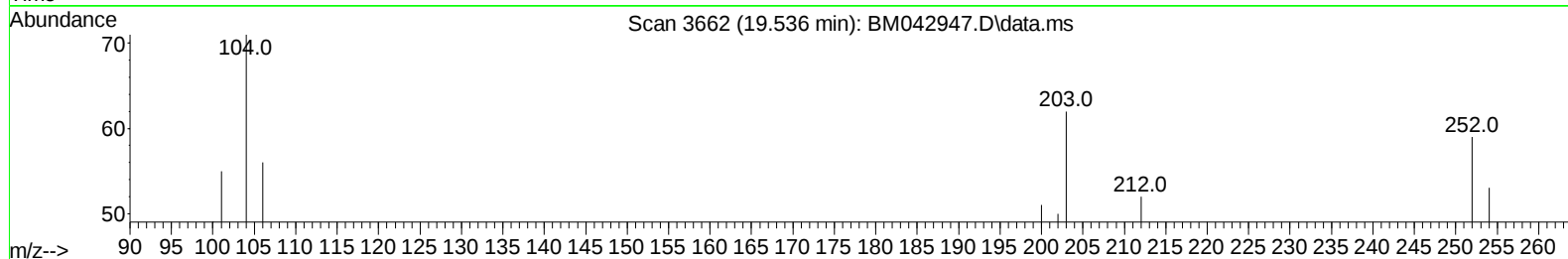
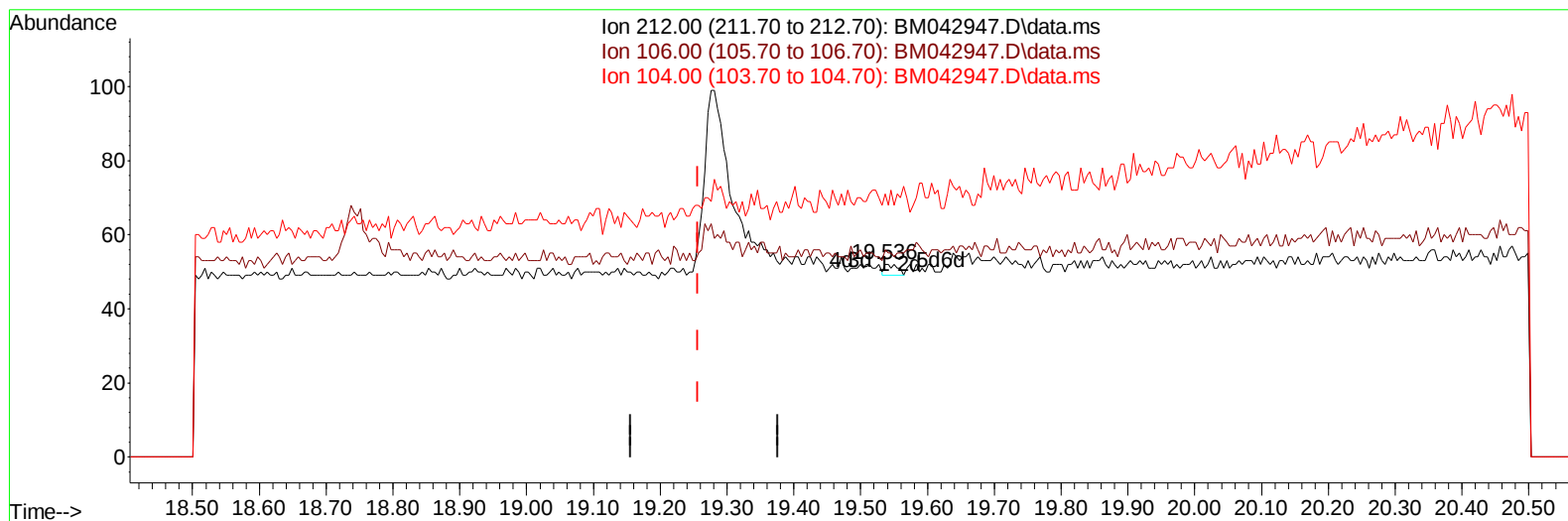
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
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QLast Update : Wed Nov 22 10:35:26 2023
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TIC: BM042947.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.536min (+ 0.280) 0.00 ng/u1

response 4

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	17.90	50.00#
104.00	12.50	25.00#
0.00	0.00	0.00

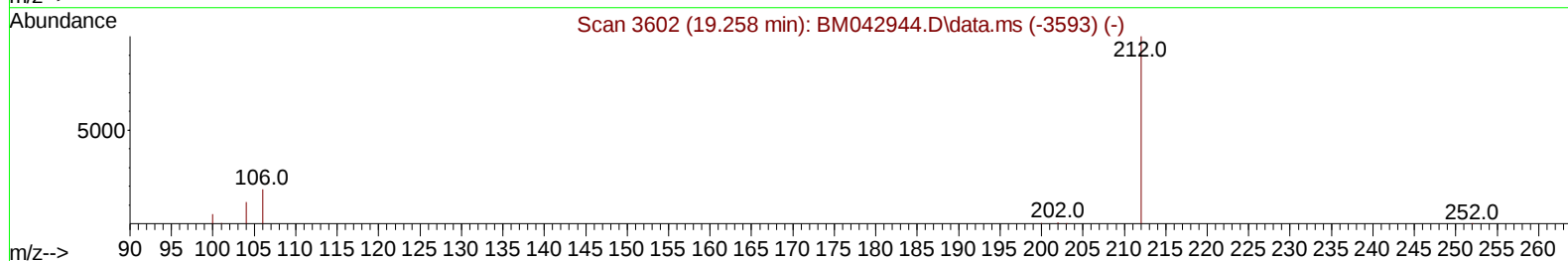
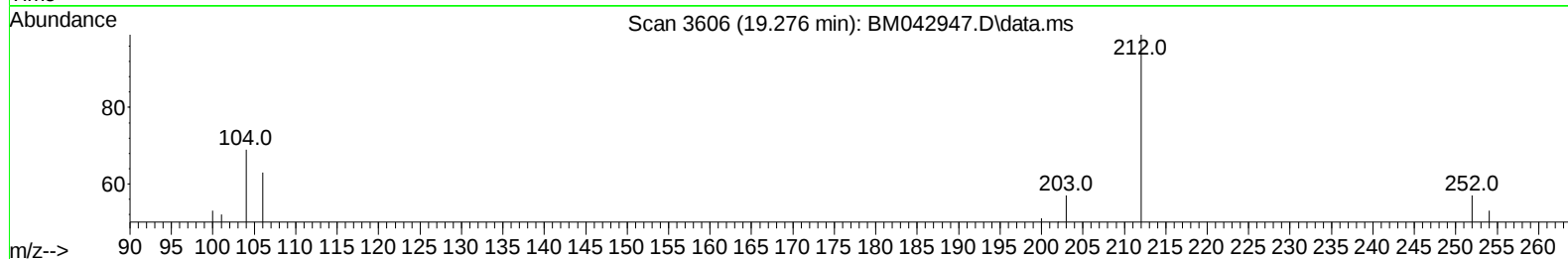
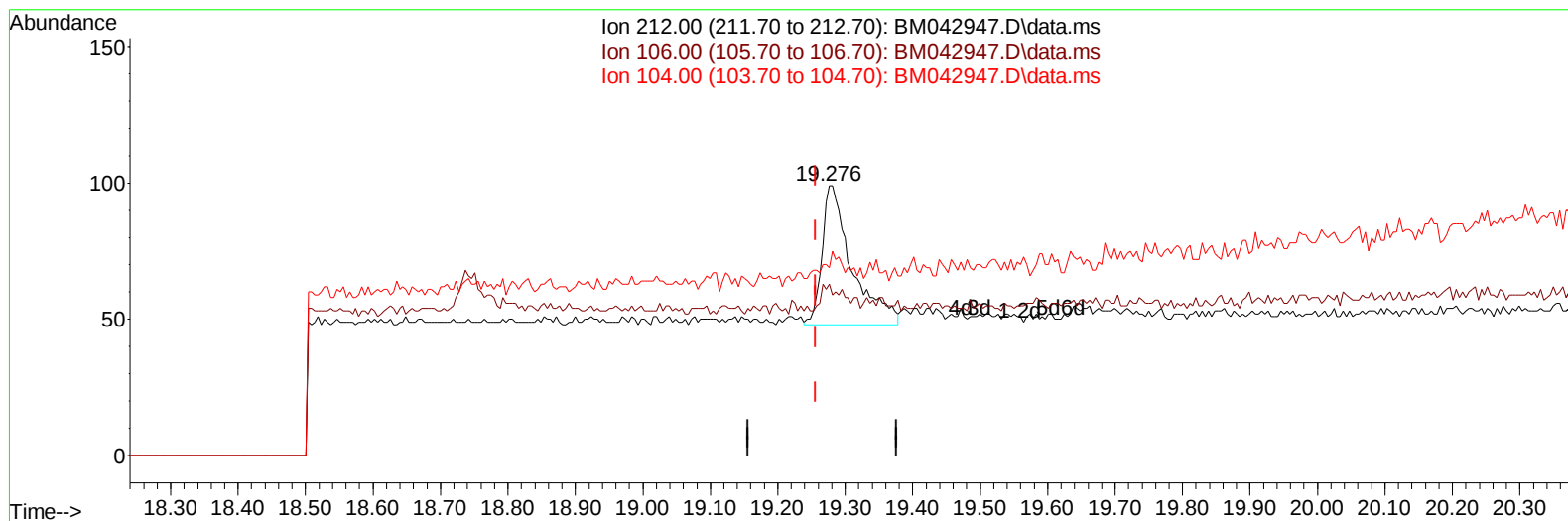
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
Data File : BM042947.D
Acq On : 22 Nov 2023 11:46
Operator : MA/JU
Sample : 05268-02DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 22 10:35:26 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(18) Fluoranthene-d10 (SURR)

19.276min (+ 0.020) 0.05 ng/ul m

response 157

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	17.90	1.27#
104.00	12.50	0.64#
0.00	0.00	0.00

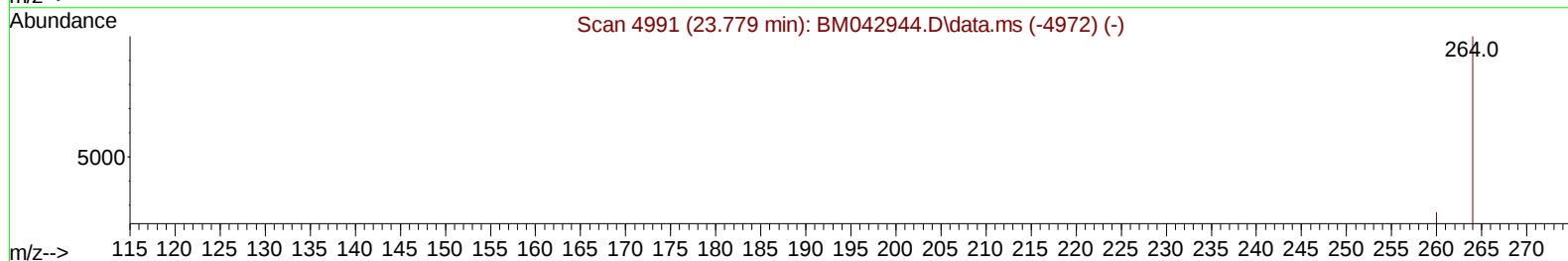
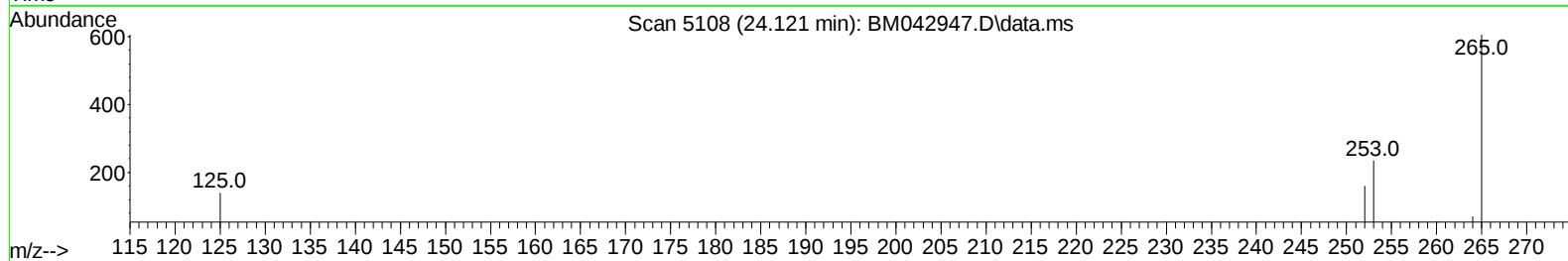
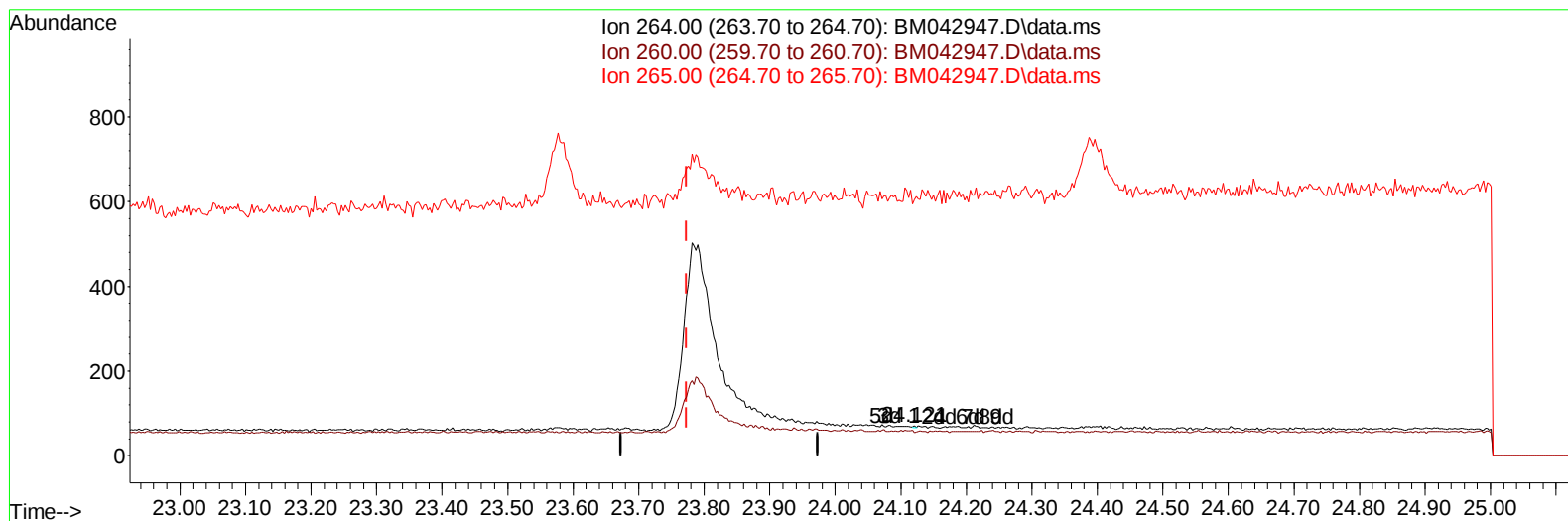
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
 Acq On : 22 Nov 2023 11:46
 Operator : MA/JU
 Sample : 05268-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 23 04:23:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 22 10:35:26 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023



TIC: BM042947.D\data.ms

(23) Perylene-d12 (I)

24.121min (+ 0.347) 0.40 ng/ul

response 1

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	36.30	76.06#
265.00	121.10	852.11#
0.00	0.00	0.00

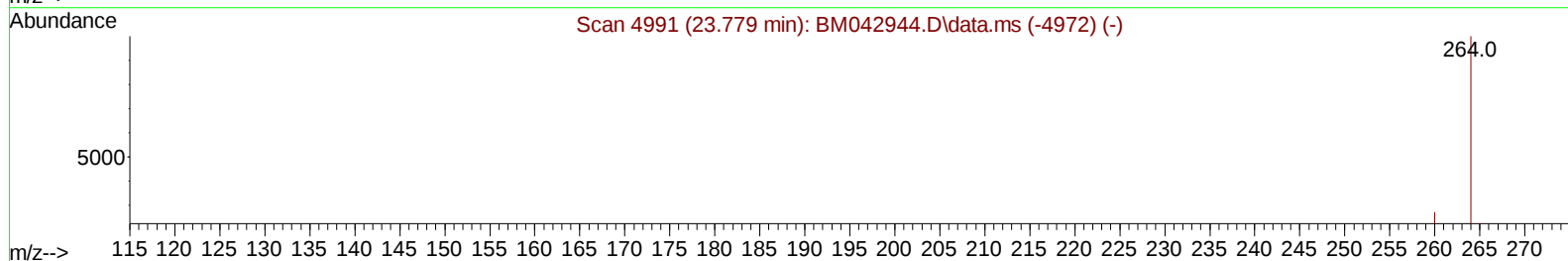
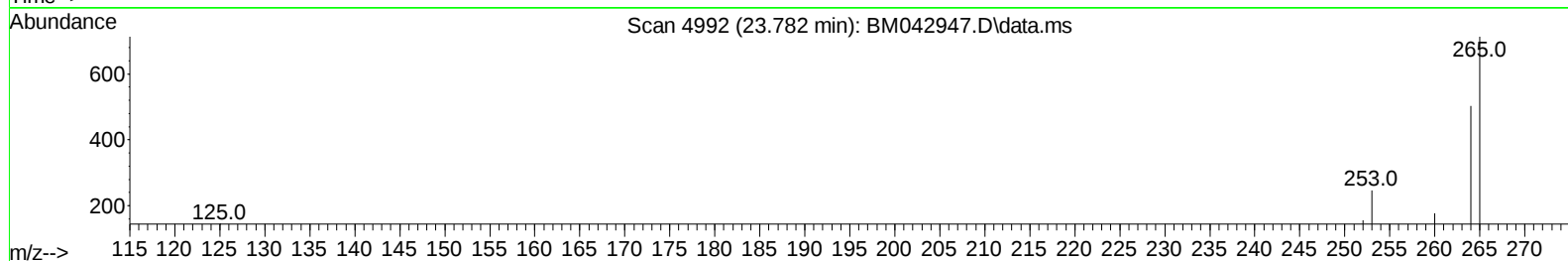
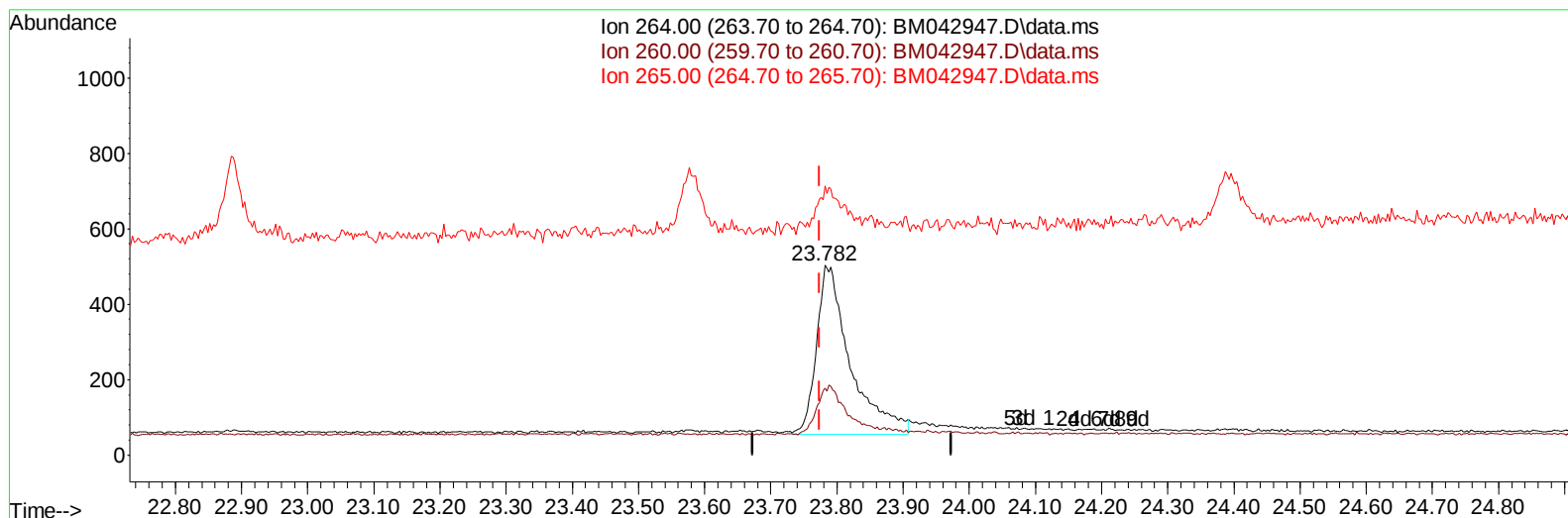
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
 Acq On : 22 Nov 2023 11:46
 Operator : MA/JU
 Sample : 05268-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

Quant Time: Nov 22 12:17:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM112123.M
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TIC: BM042947.D\data.ms

(23) Perylene-d12 (I)

23.782min (+ 0.008) 0.40 ng/ul m

response 1597

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	36.30	35.19
265.00	121.10	141.75
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112223\
 Data File : BM042947.D
 Acq On : 22 Nov 2023 11:46
 Operator : MA/JU
 Sample : 05268-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCKF9DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/25/2023

Quant Time: Nov 22 12:17:48 2023
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.935	152		484m	0.400	ng/ul	0.10
4) Naphthalene-d8	10.727	136		1055m	0.400	ng/ul	0.09
9) Acenaphthene-d10	14.488	164		613m	0.400	ng/ul	0.02
13) Phenanthrene-d10	17.255	188		1237m	0.400	ng/ul	0.03
17) Chrysene-d12	21.432	240		1016m	0.400	ng/ul	0.02
23) Perylene-d12	23.782	264		1597m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.172	96		60	0.079	ng/ul	0.00
6) 2-Methylnaphthalene-d10	0.000	152		0d	0.000	ng/ul	
18) Fluoranthene-d10	19.276	212		157m	0.047	ng/ul	0.02
Target Compounds							Qvalue
14) Pentachlorophenol	16.905	266		414m	0.602	ng/ul	

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

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Manual IntegrationsAPPROVED

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