

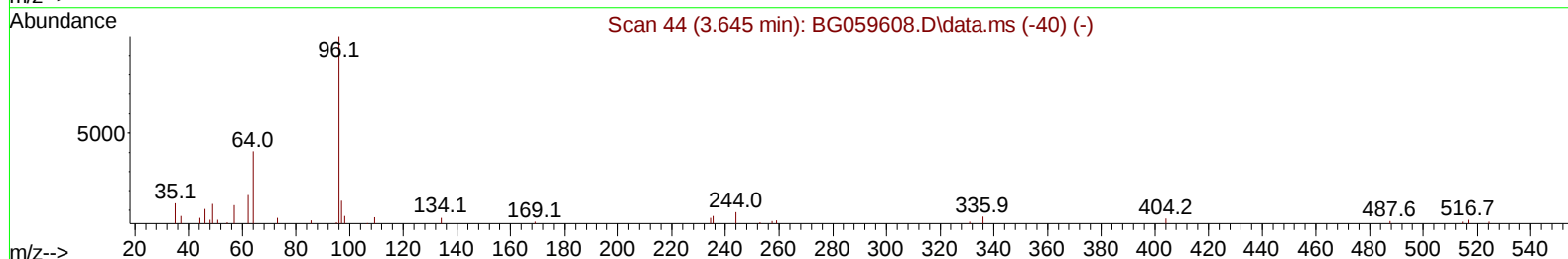
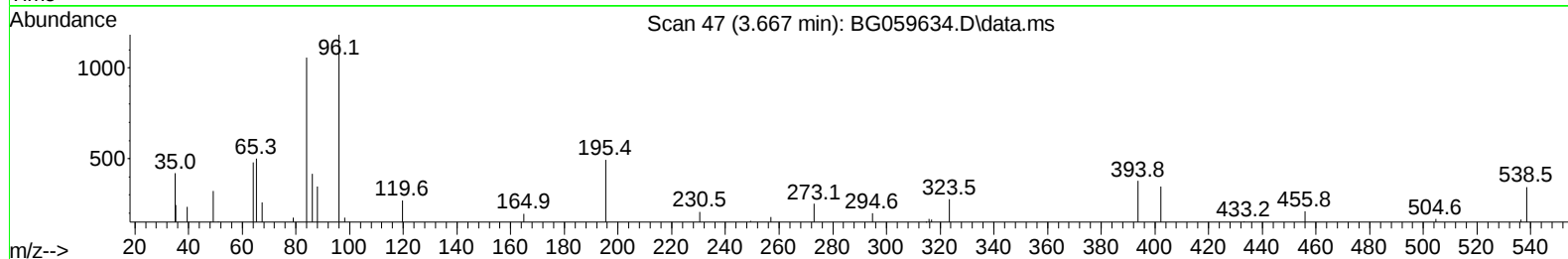
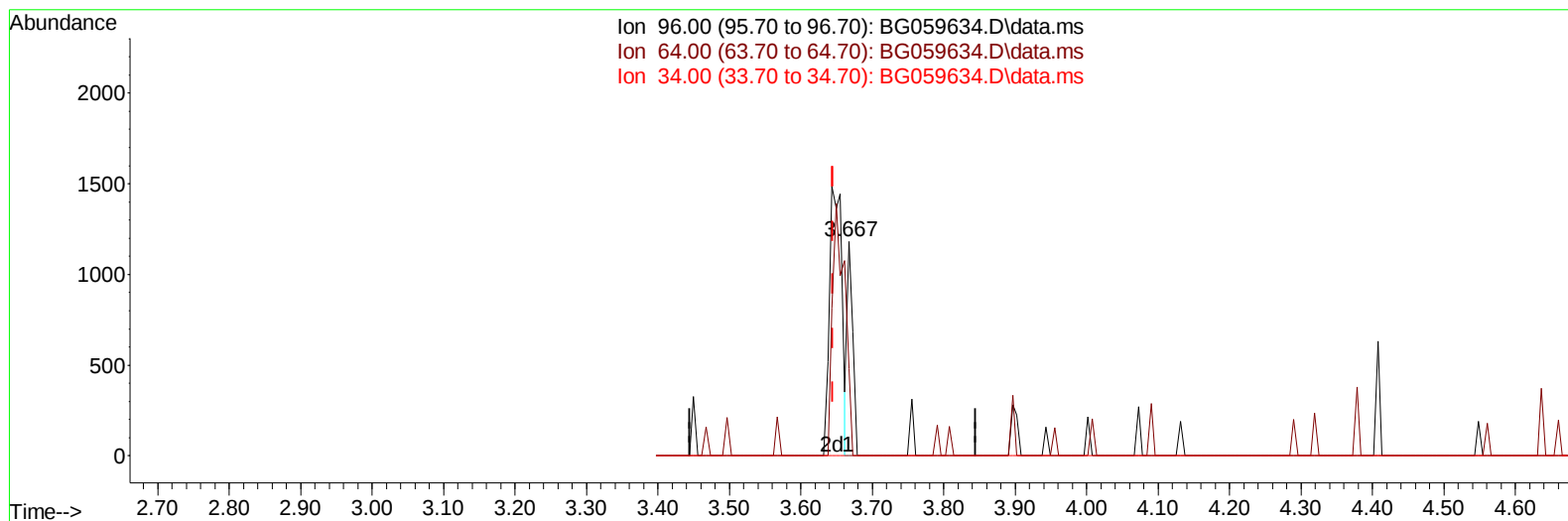
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059634.D
Acq On : 4 Nov 2023 23:24
Operator : MA/JU
Sample : 05013-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A49H1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 05 23:56:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration



TIC: BG059634.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.667min (+ 0.022) 0.76 ng/uL

response 658

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	40.30	40.66
34.00	0.00	0.00
0.00	0.00	0.00

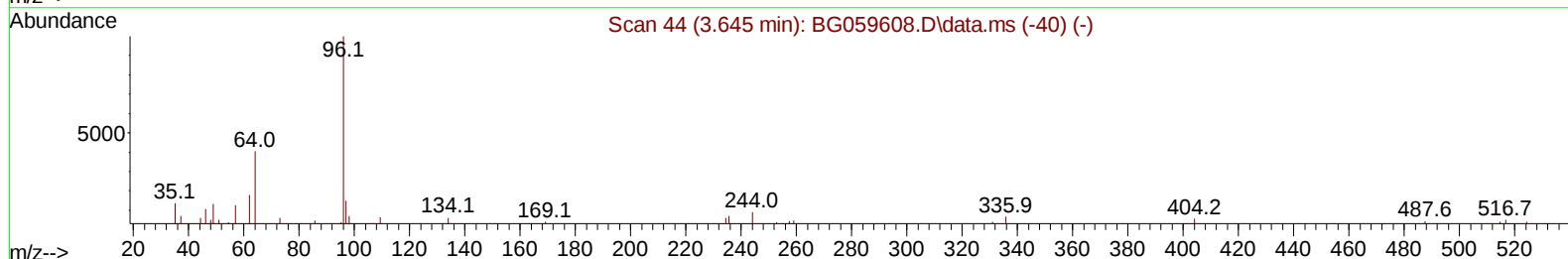
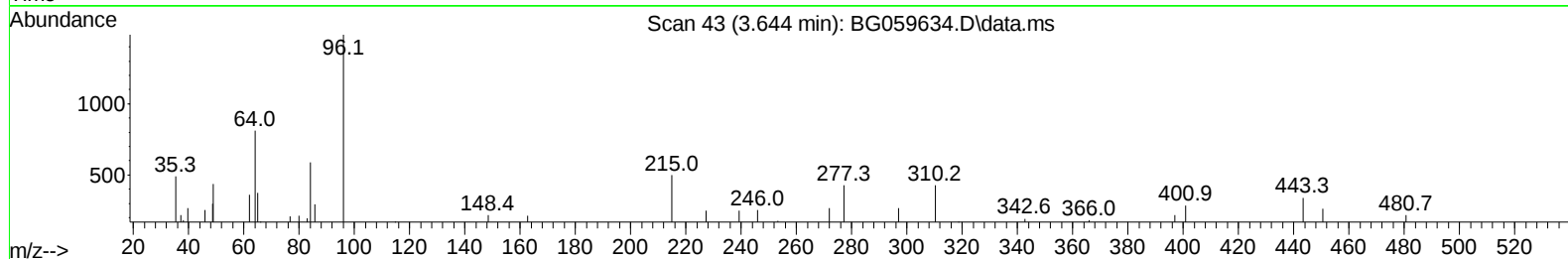
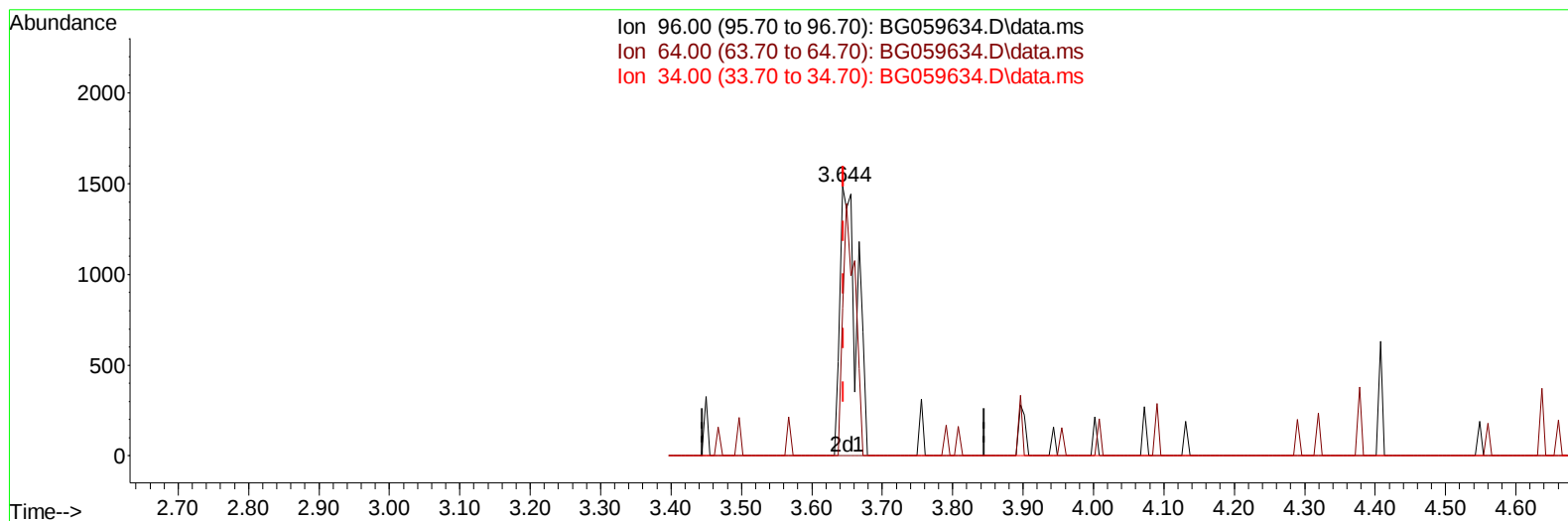
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 05 23:56:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.644min (-0.001) 2.85 ng/uL m

response 2479

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	40.30	54.75#
34.00	0.00	0.00
0.00	0.00	0.00

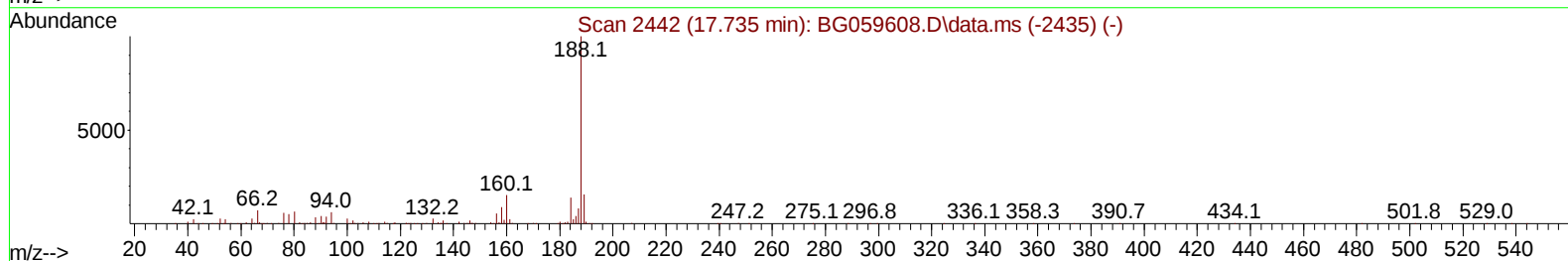
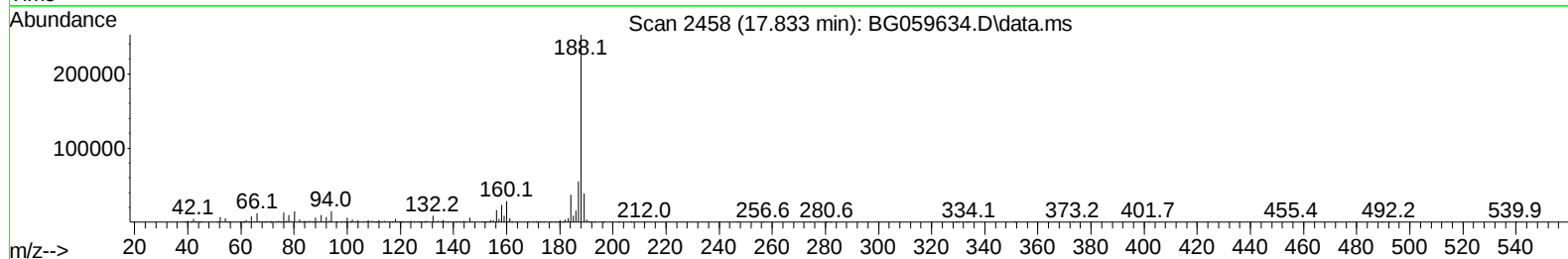
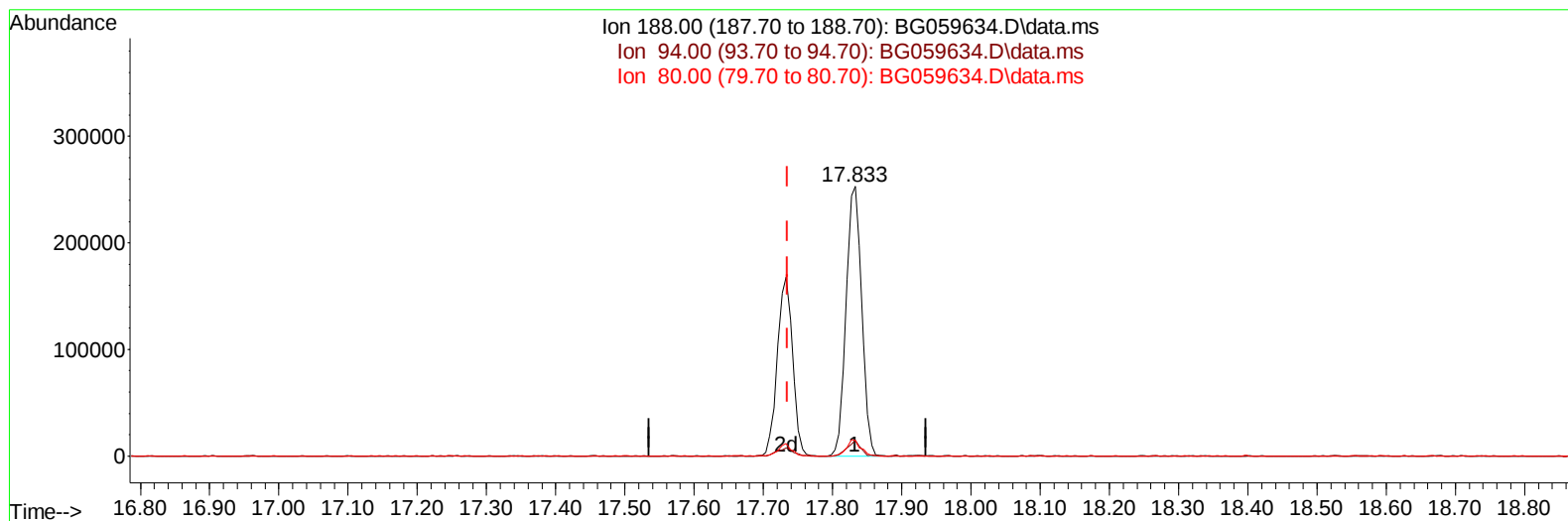
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:03:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(64) Phenanthrene-d10 (I)

17.833min (+ 0.098) 20.00 ng/u1

response 396369

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	6.20	5.73
80.00	6.40	5.72
0.00	0.00	0.00

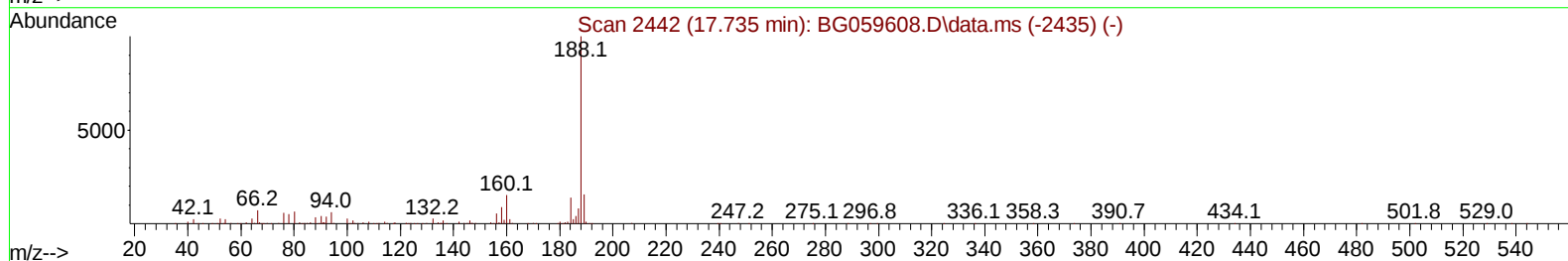
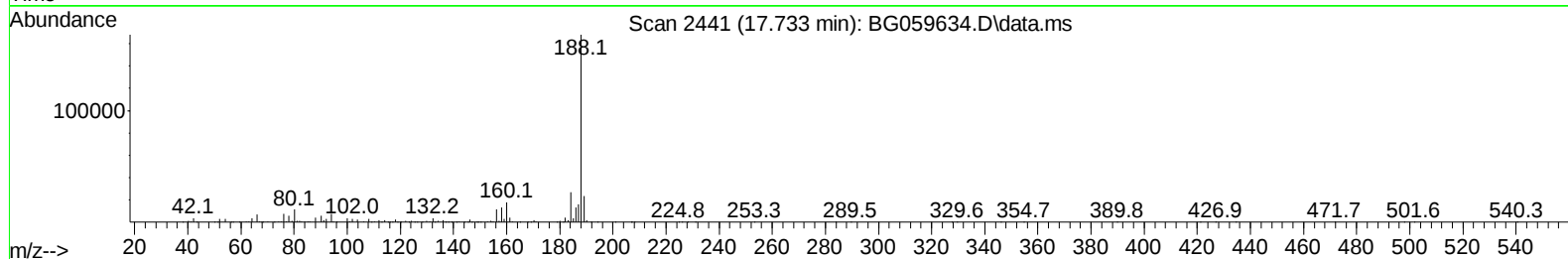
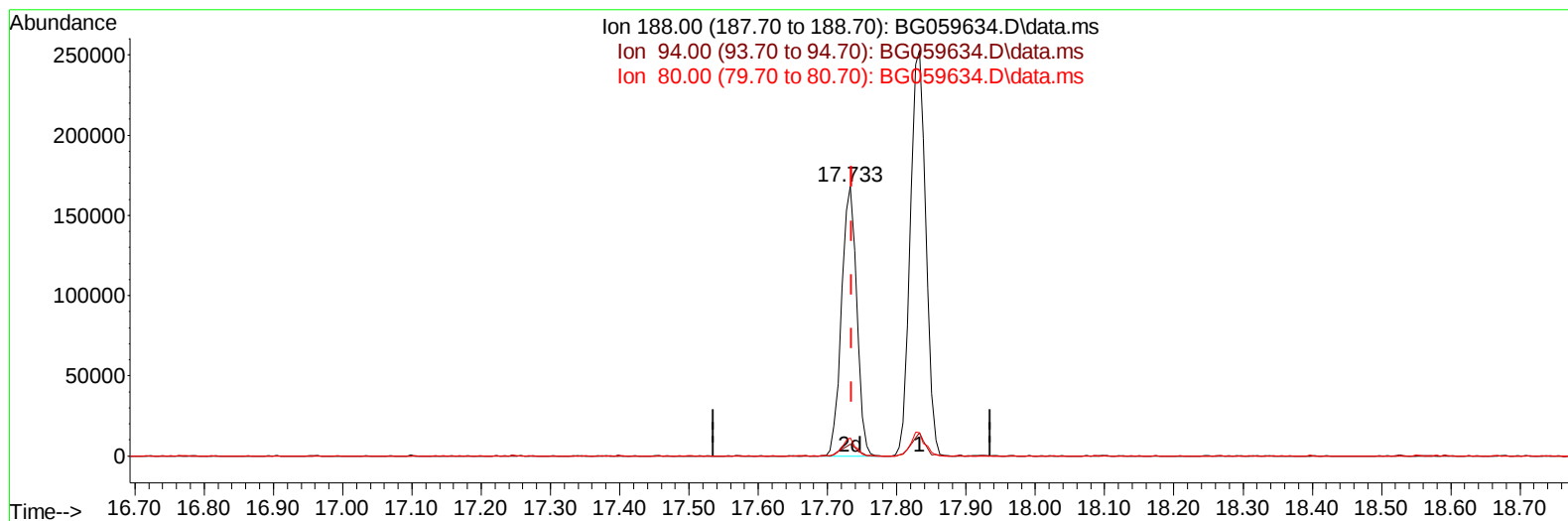
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:03:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(64) Phenanthrene-d10 (I)

17.733min (-0.002) 20.00 ng/ul m

response 255138

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	6.20	4.45#
80.00	6.40	6.79
0.00	0.00	0.00

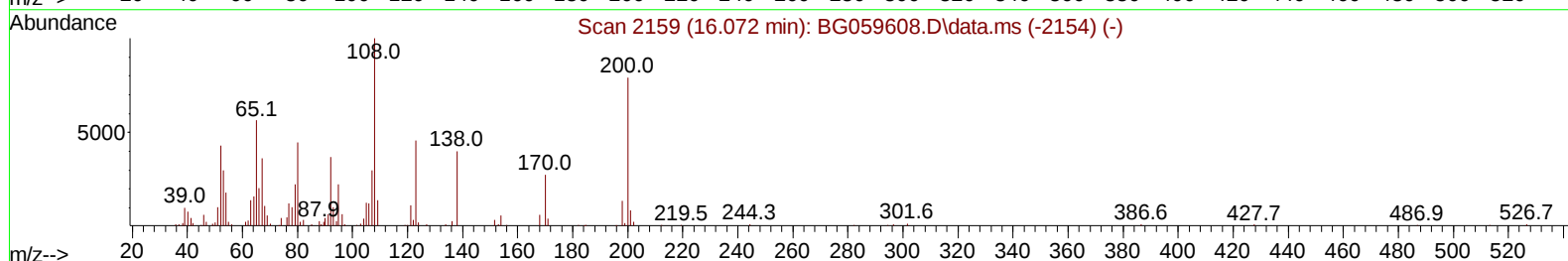
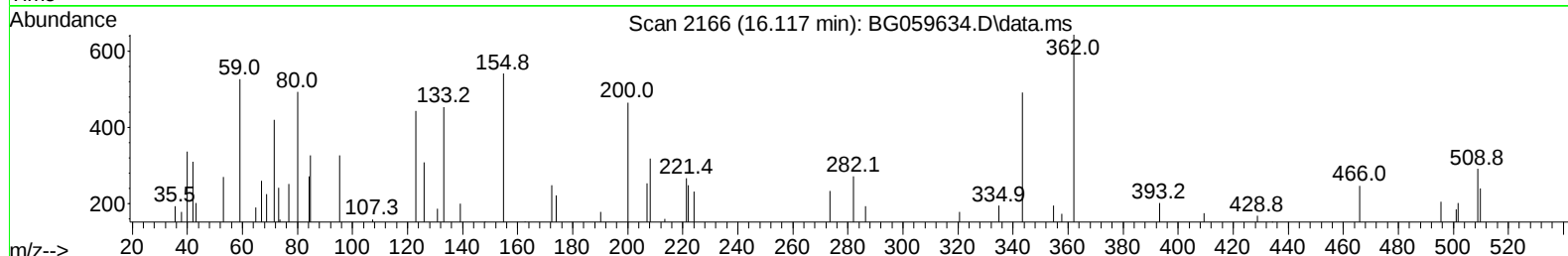
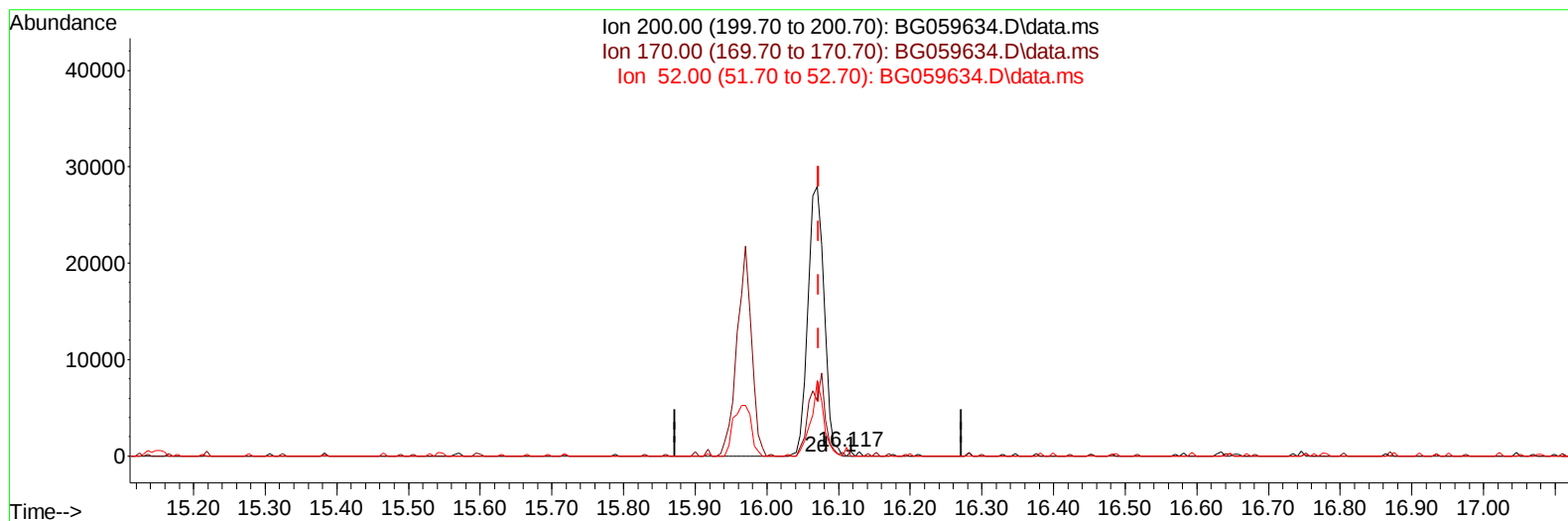
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059634.D
Acq On : 4 Nov 2023 23:24
Operator : MA/JU
Sample : 05013-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:04:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

16.117min (+ 0.045) 0.10 ng/u1

response 164

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	34.90	0.00#
52.00	57.90	0.00#
0.00	0.00	0.00

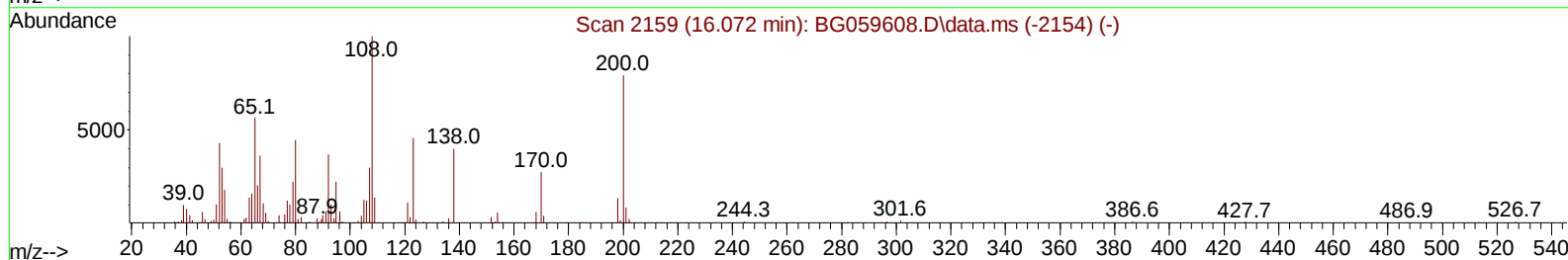
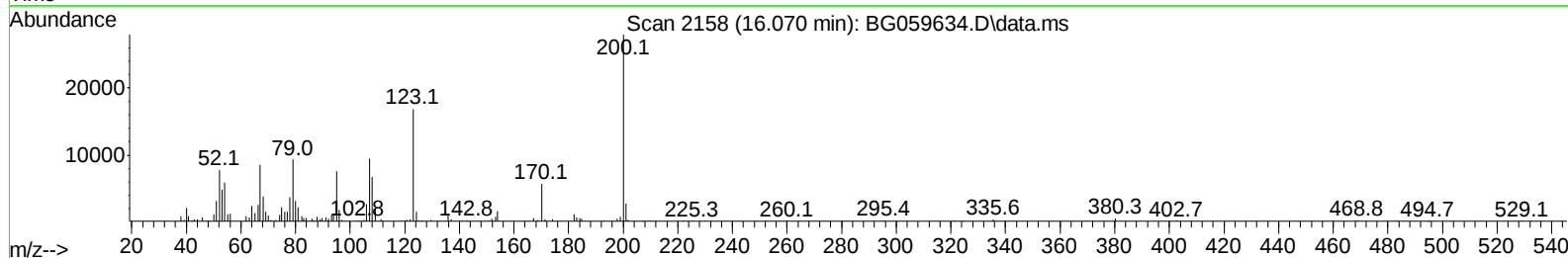
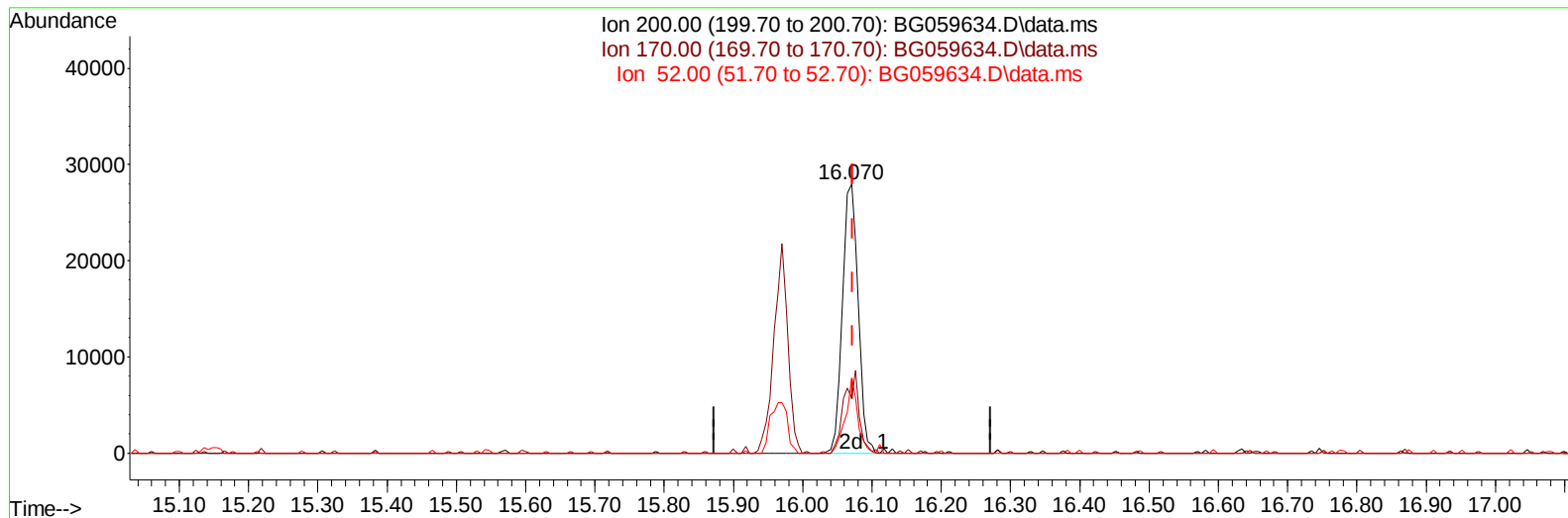
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:04:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

16.070min (-0.002) 27.25 ng/ul m

response 44002

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	34.90	20.52#
52.00	57.90	27.87#
0.00	0.00	0.00

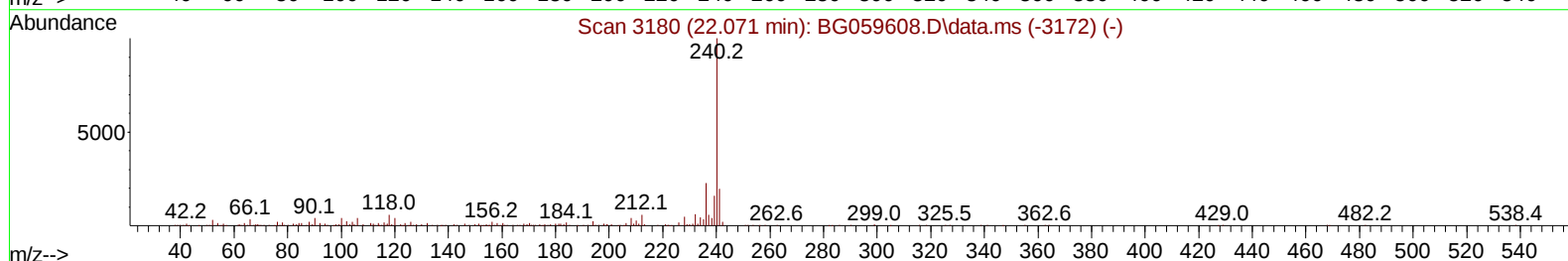
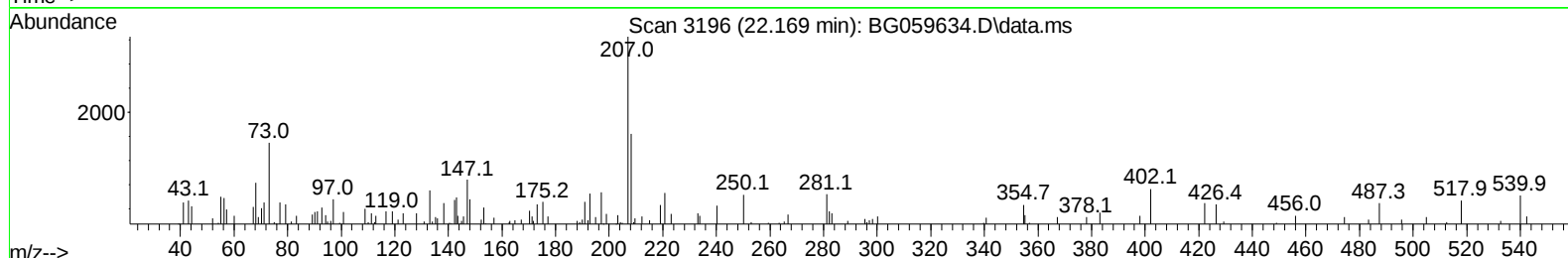
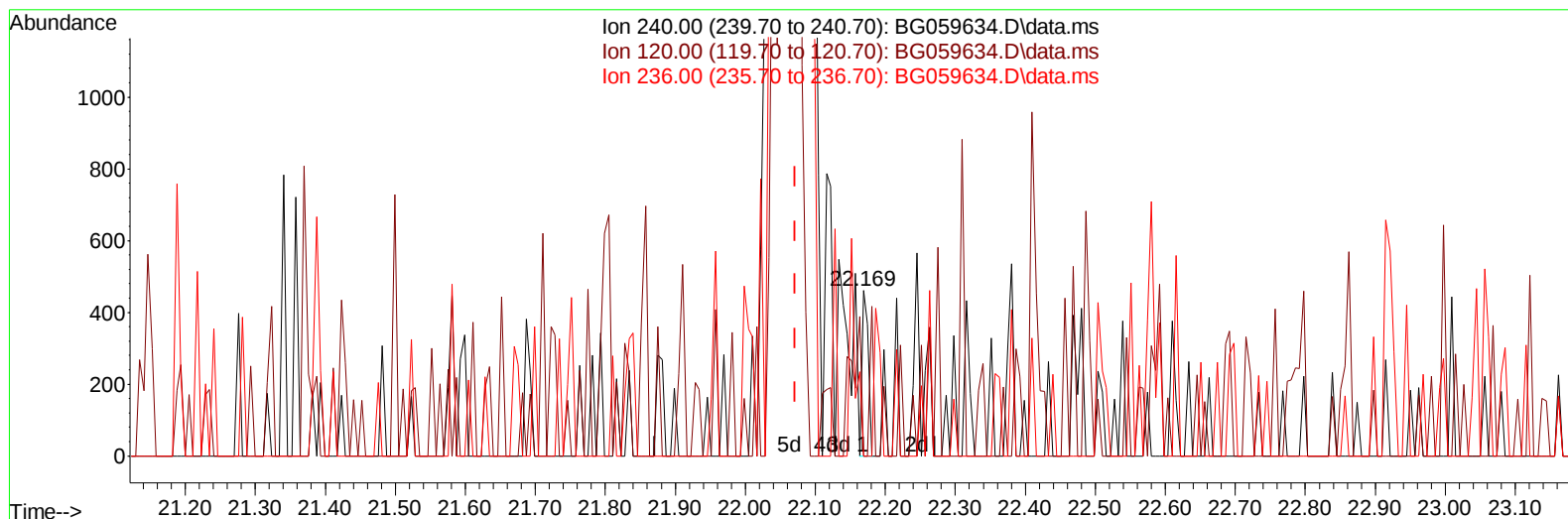
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:04:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(79) Chrysene-d12 (I)

22.169min (+ 0.098) 20.00 ng/u1

response 292

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	3.90	0.00#
236.00	23.00	0.00#
0.00	0.00	0.00

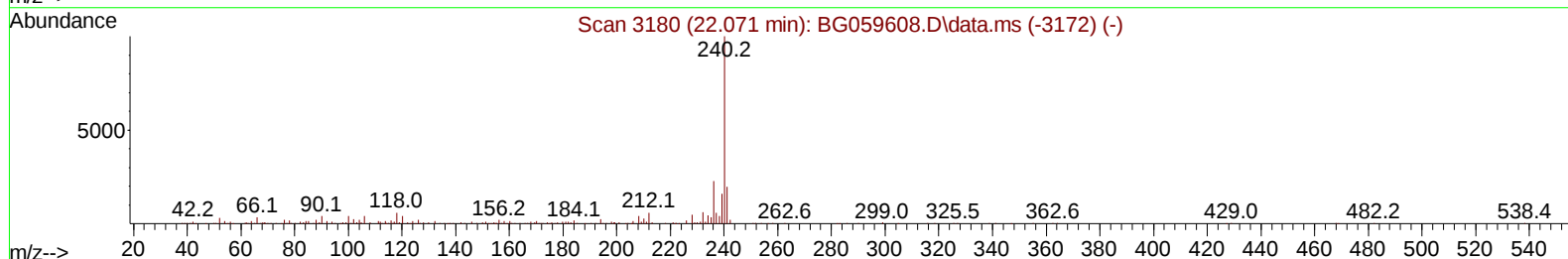
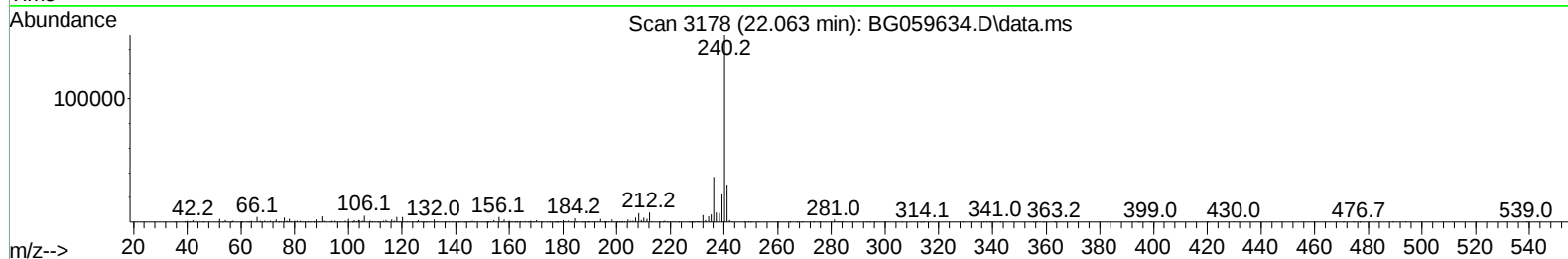
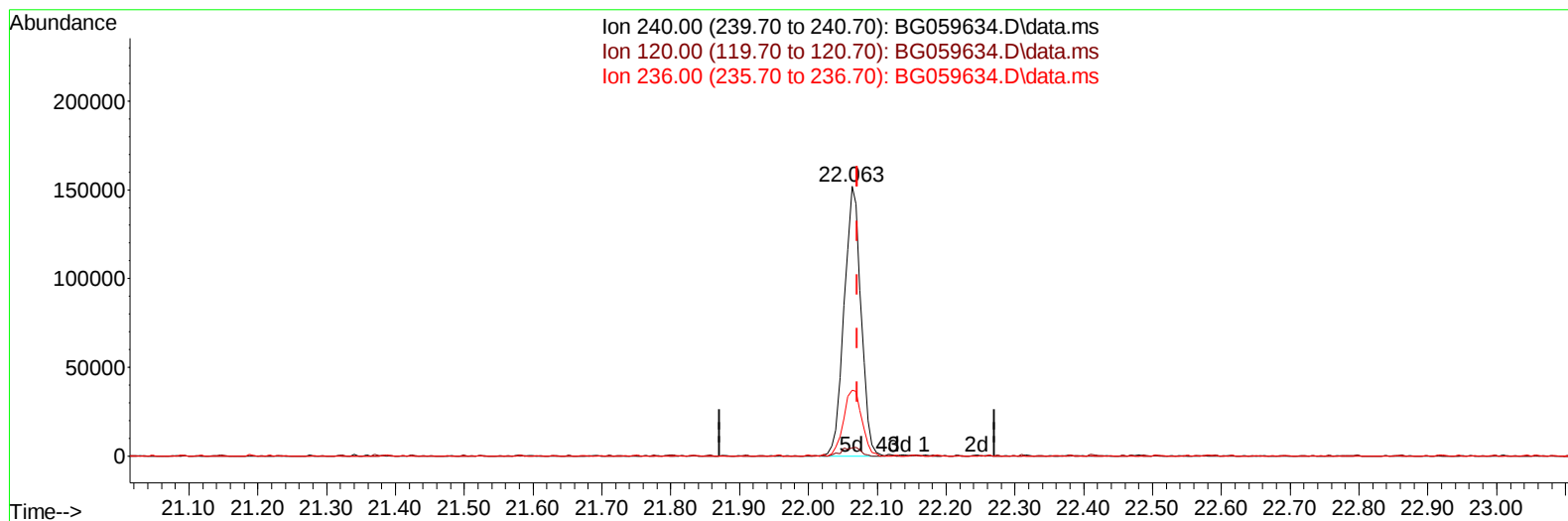
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059634.D
Acq On : 4 Nov 2023 23:24
Operator : MA/JU
Sample : 05013-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A49H1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 01:04:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration



TIC: BG059634.D\data.ms

(79) Chrysene-d12 (I)

22.063min (-0.008) 20.00 ng/ul m

response 259413

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	3.90	2.91#
236.00	23.00	24.32
0.00	0.00	0.00

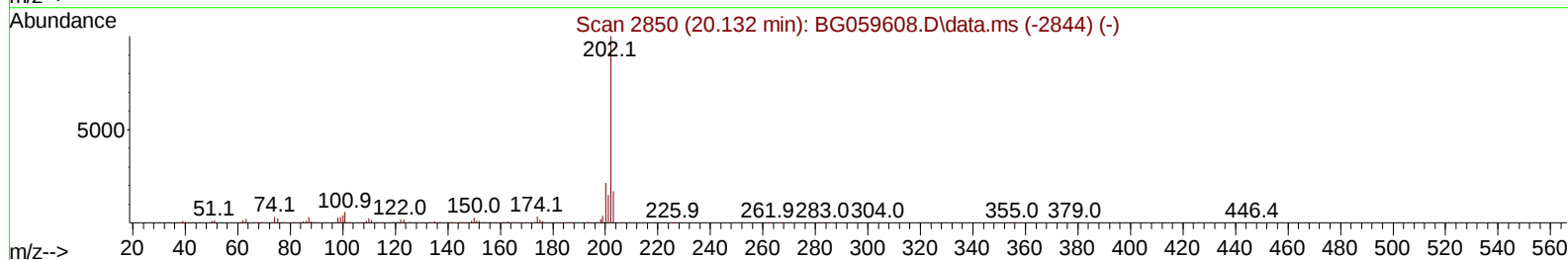
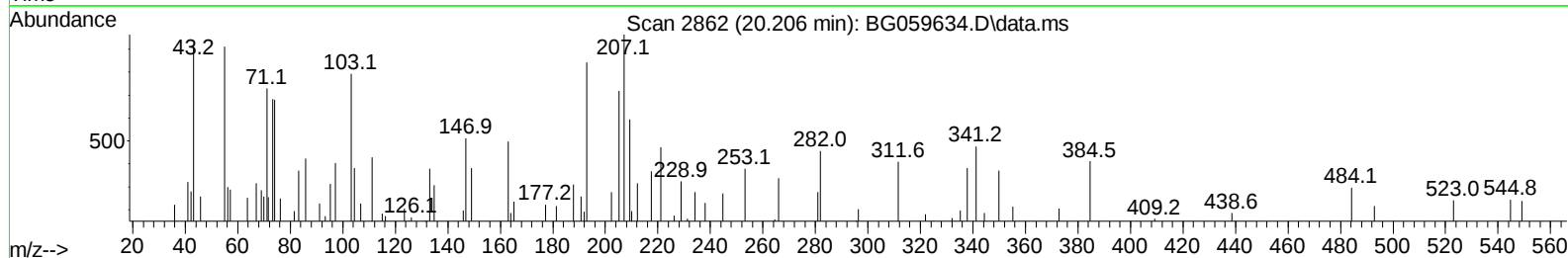
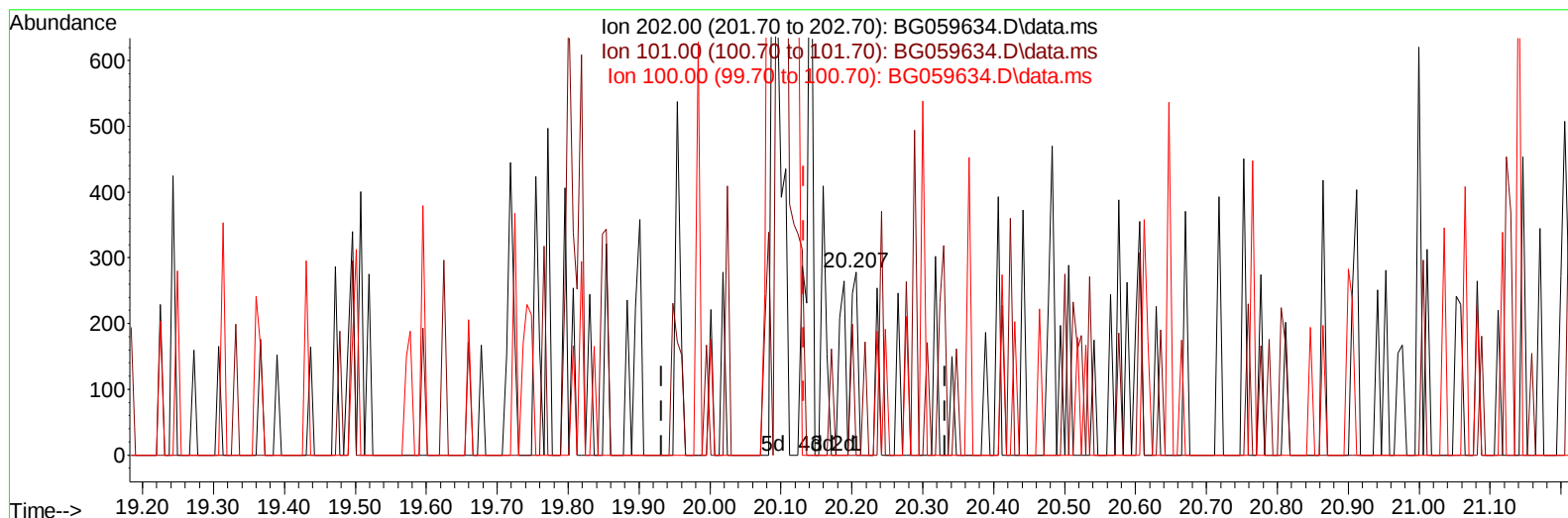
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059634.D
Acq On : 4 Nov 2023 23:24
Operator : MA/JU
Sample : 05013-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:05:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(82) Pyrene

20.206min (+ 0.074) 0.01 ng/u1

response 184

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	5.70	0.00#
100.00	6.40	0.00#
0.00	0.00	0.00

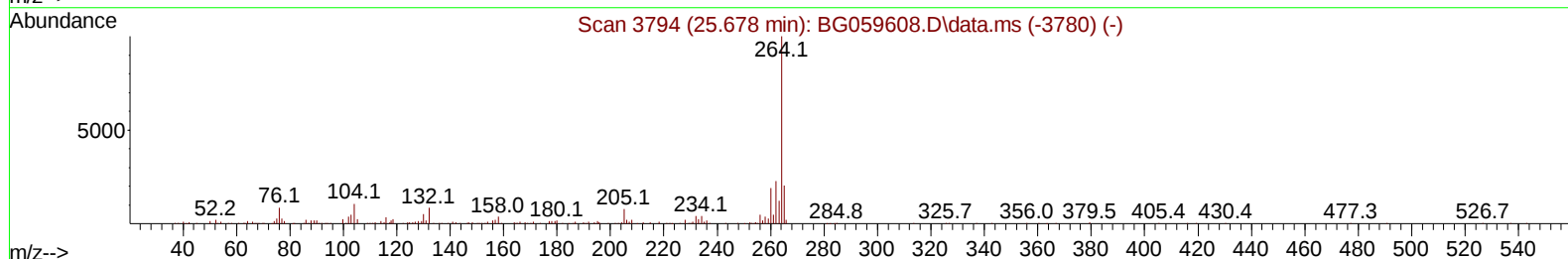
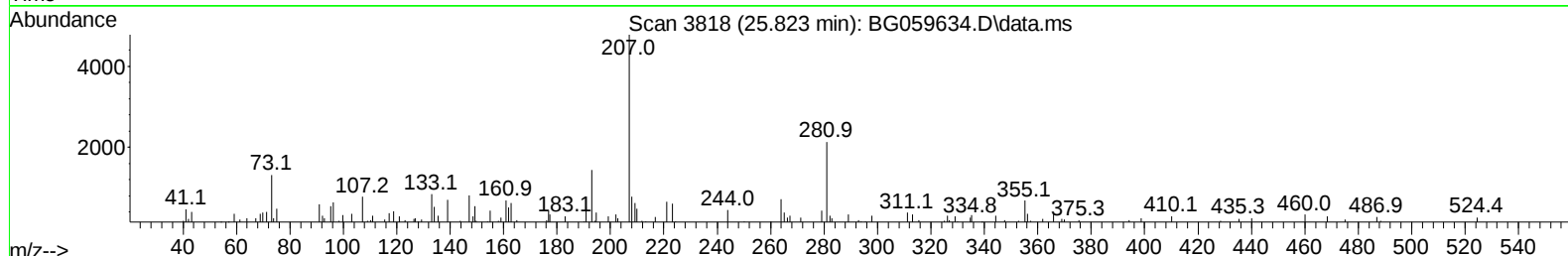
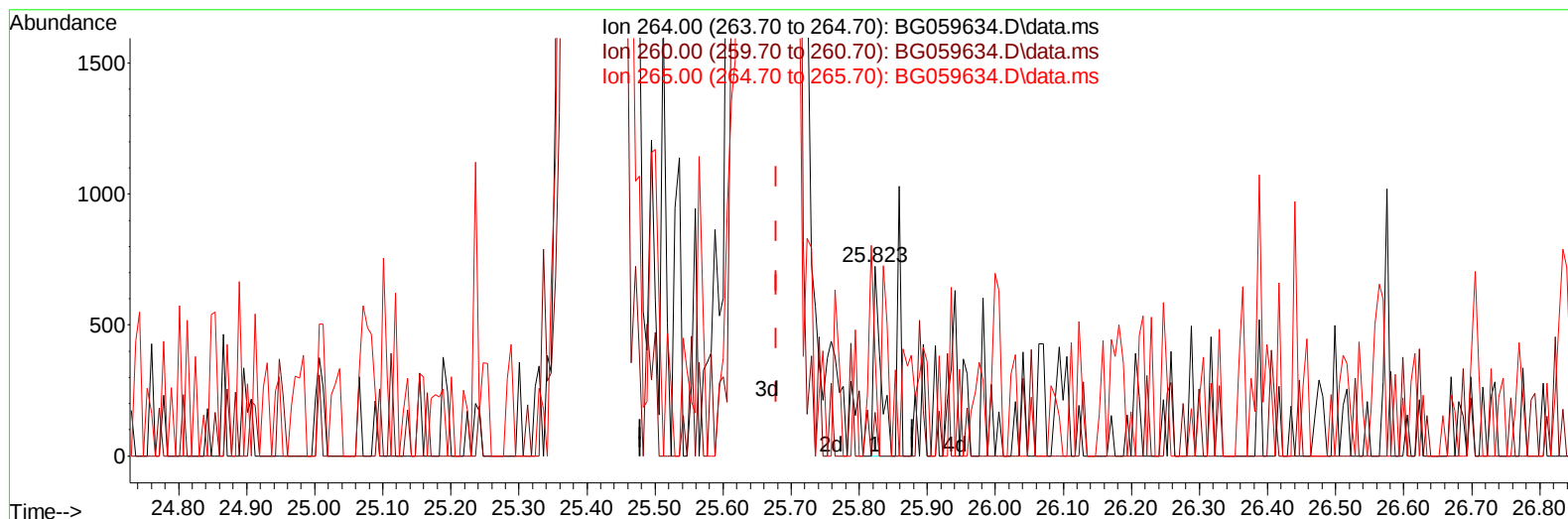
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:05:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(88) Perylene-d12 (I)

25.823min (+ 0.145) 20.00 ng/ul

response 529

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	19.70	22.93
265.00	21.70	53.73#
0.00	0.00	0.00

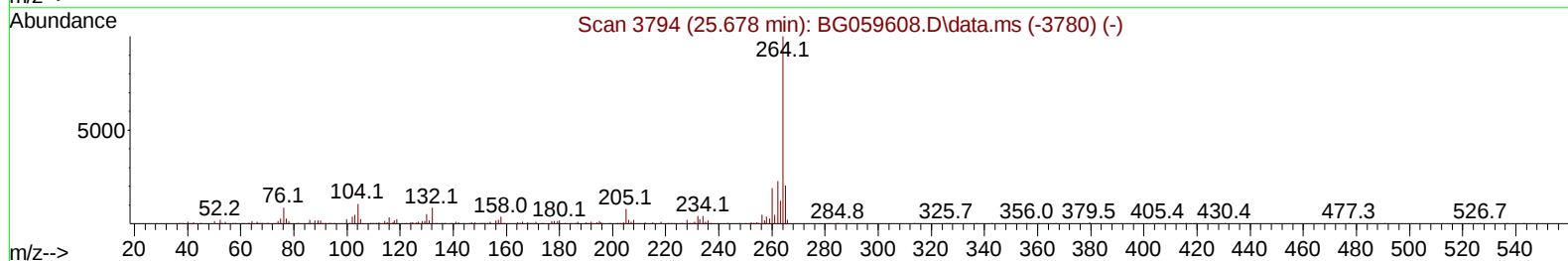
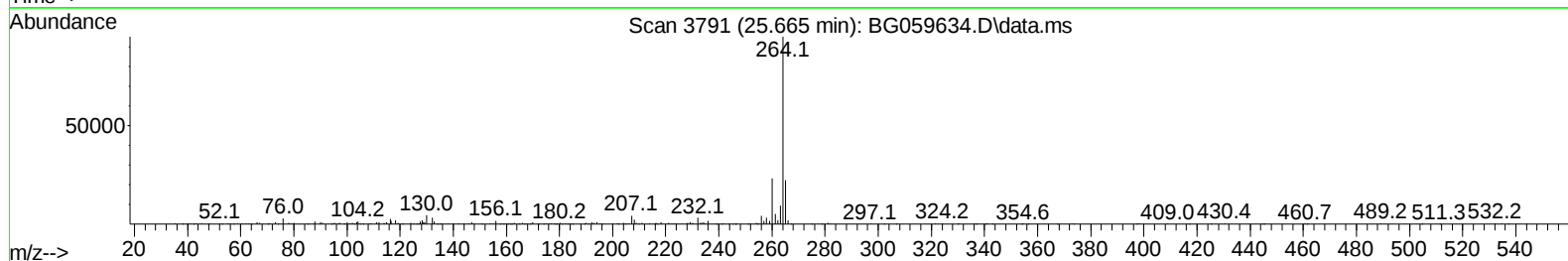
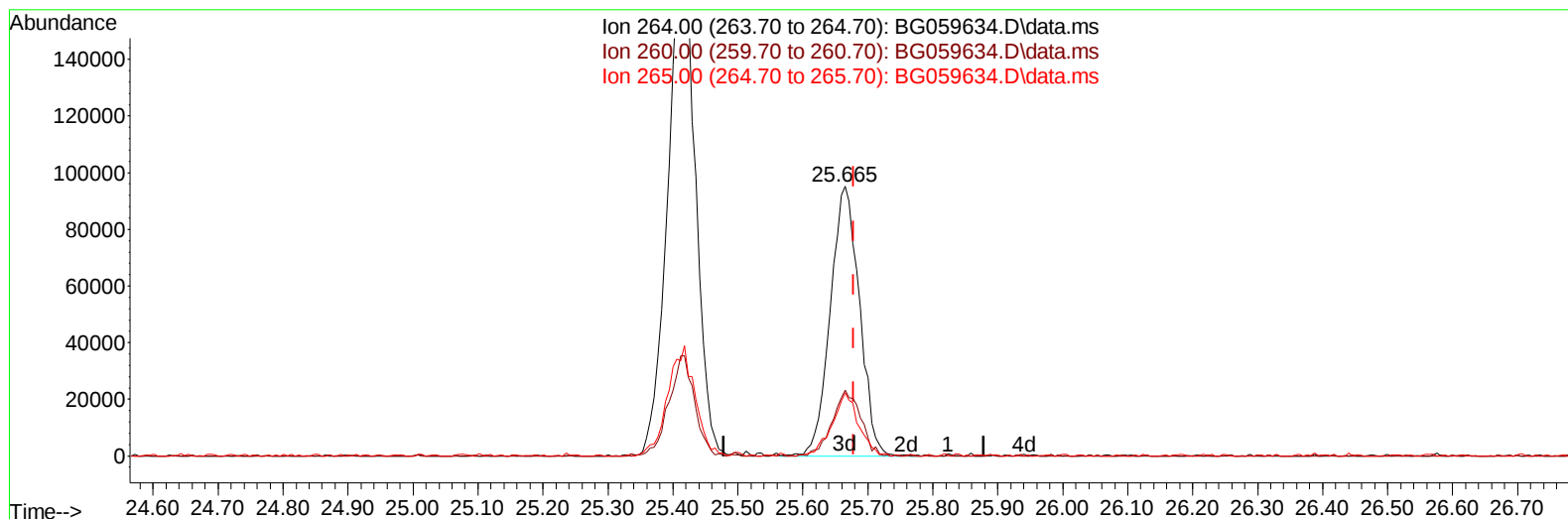
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:05:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(88) Perylene-d12 (I)

25.665min (-0.014) 20.00 ng/ul m

response 297332

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	19.70	24.52#
265.00	21.70	23.54
0.00	0.00	0.00

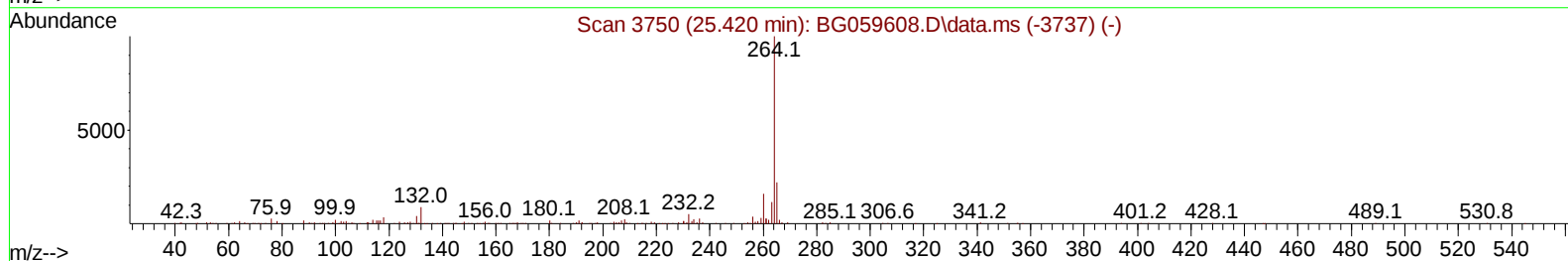
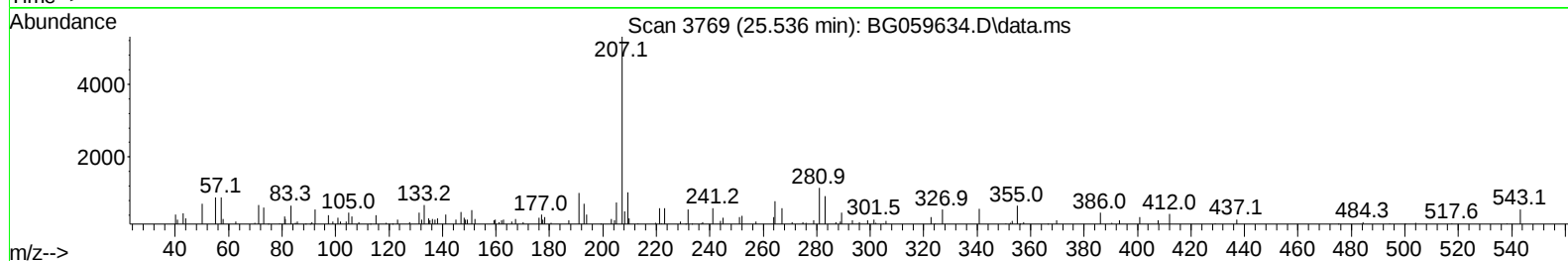
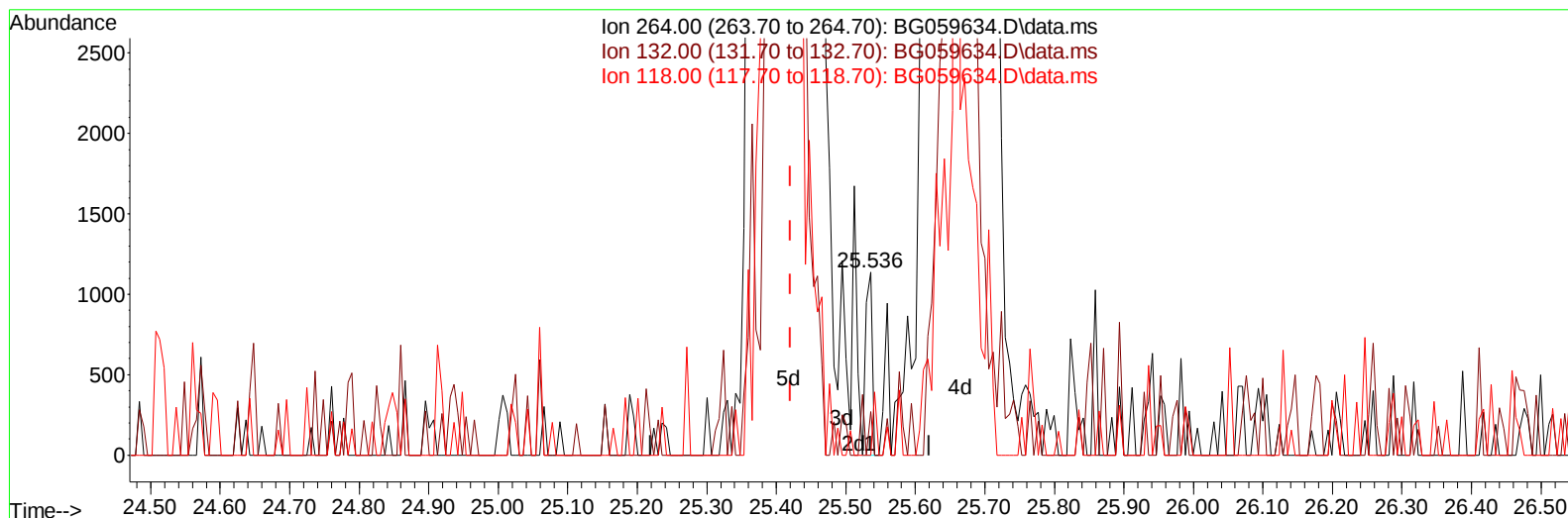
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:06:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.536min (+ 0.116) 0.04 ng/u1

response 735

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	8.70	23.90#
118.00	3.40	0.00#
0.00	0.00	0.00

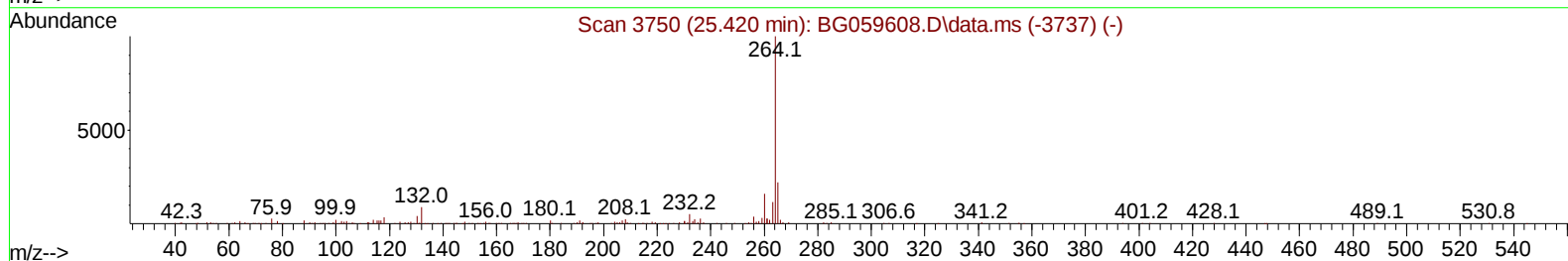
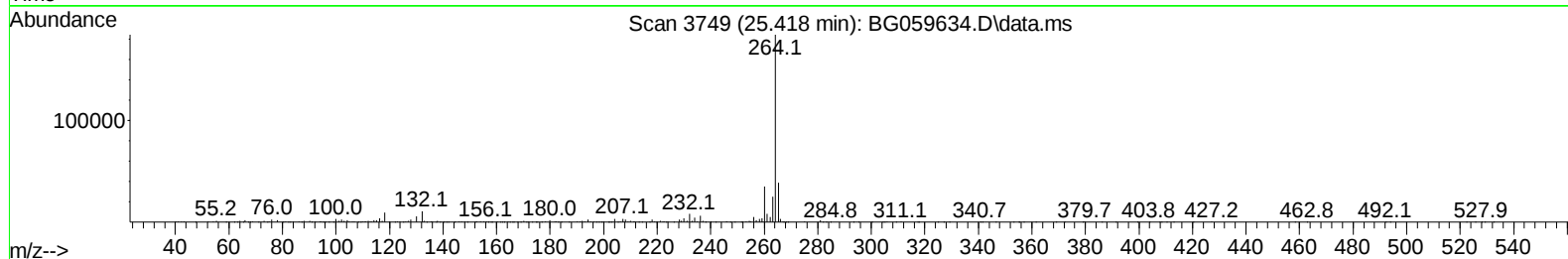
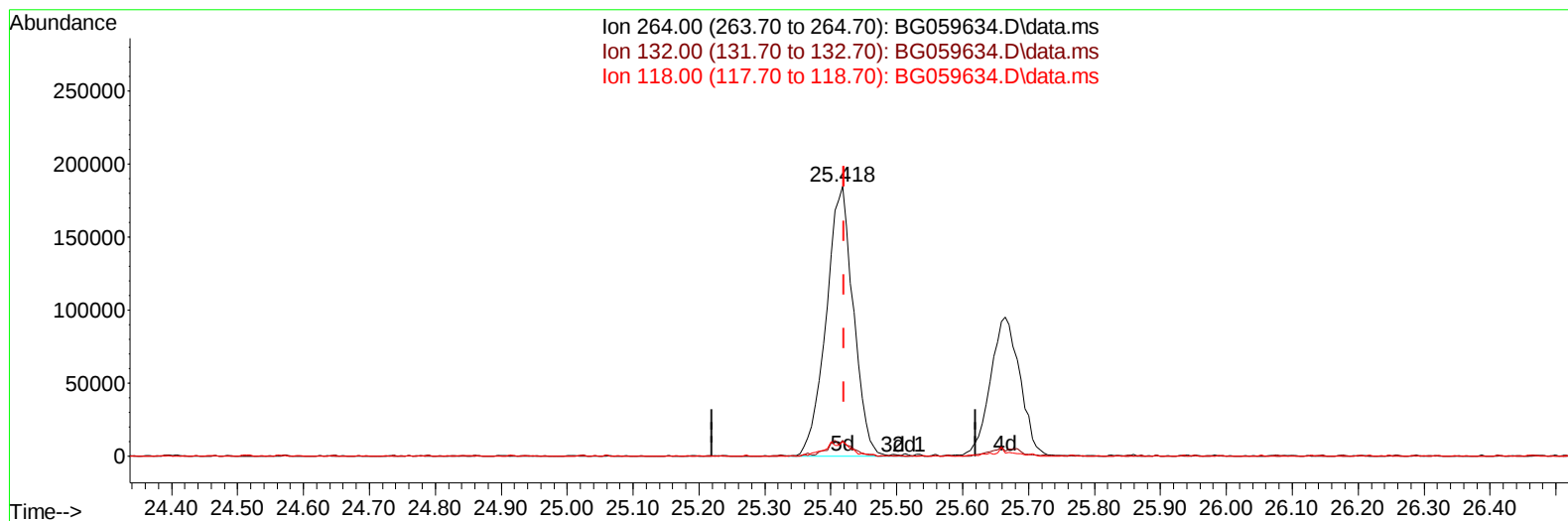
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Quant Time: Nov 06 01:06:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023



TIC: BG059634.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

25.418min (-0.002) 30.36 ng/ul m

response 528357

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	8.70	5.85#
118.00	3.40	5.24#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
 Data File : BG059634.D
 Acq On : 4 Nov 2023 23:24
 Operator : MA/JU
 Sample : 05013-23
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A49H1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 01:06:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 04 02:46:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.350	152	32596	20.000	ng/ul	0.00
20) Naphthalene-d8	11.199	136	168642	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.983	164	111045	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.733	188	255138m	20.000	ng/ul	0.00
79) Chrysene-d12	22.063	240	259413m	20.000	ng/ul	0.00
88) Perylene-d12	25.665	264	297332m	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.644	96	2479m	2.850	ng/uL	0.00
4) Pyridine-d5	4.090	84	17884	6.993	ng/ul	0.00
7) Phenol-d5	7.463	99	15961	4.789	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.668	67	40014	22.457	ng/ul	0.00
11) 2-Chlorophenol-d4	7.862	132	46139	20.385	ng/ul	0.00
15) 4-Methylphenol-d8	9.031	113	34041	12.481	ng/ul	0.00
21) Nitrobenzene-d5	9.548	128	32434	26.298	ng/ul	0.00
24) 2-Nitrophenol-d4	10.265	143	34965	23.492	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.794	165	72157	27.288	ng/ul	0.00
31) 4-Chloroaniline-d4	11.340	131	85362	20.514	ng/ul	0.00
46) Dimethylphthalate-d6	14.372	166	292483	32.819	ng/ul	0.00
49) Acenaphthylene-d8	14.684	160	317840	29.909	ng/ul	0.00
54) 4-Nitrophenol-d4	15.148	143	9733	6.186	ng/ul	0.00
60) Fluorene-d10	15.970	176	251816	30.013	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.070	200	44002m	27.248	ng/ul	0.00
73) Anthracene-d10	17.833	188	396369	29.683	ng/ul	0.00
81) Pyrene-d10	20.101	212	422047	25.423	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.418	264	528357m	30.355	ng/ul	0.00

Target Compounds Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059634.D
Acq On : 4 Nov 2023 23:24
Operator : MA/JU
Sample : 05013-23
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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