

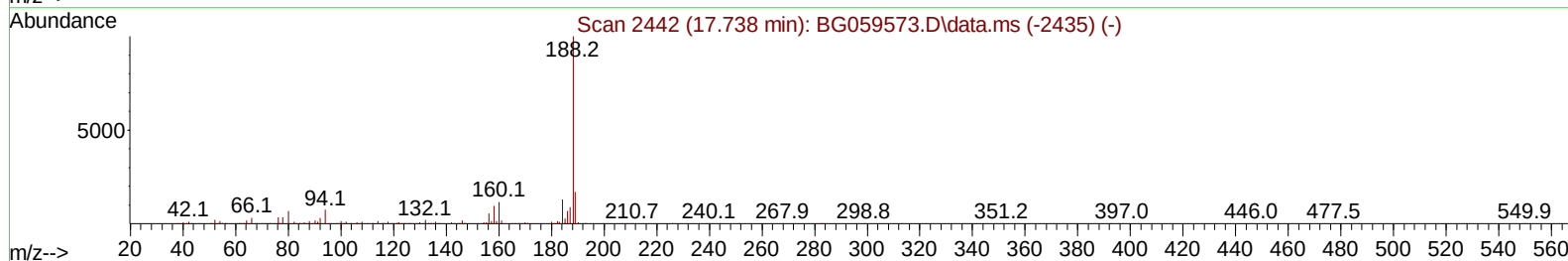
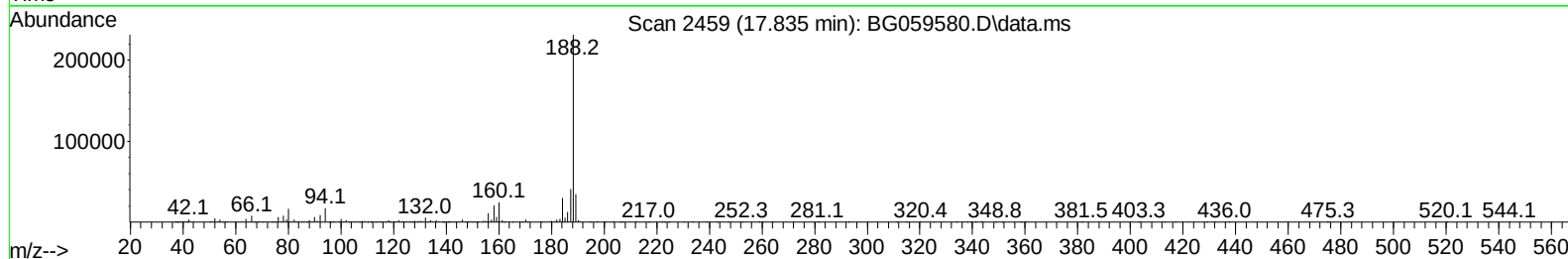
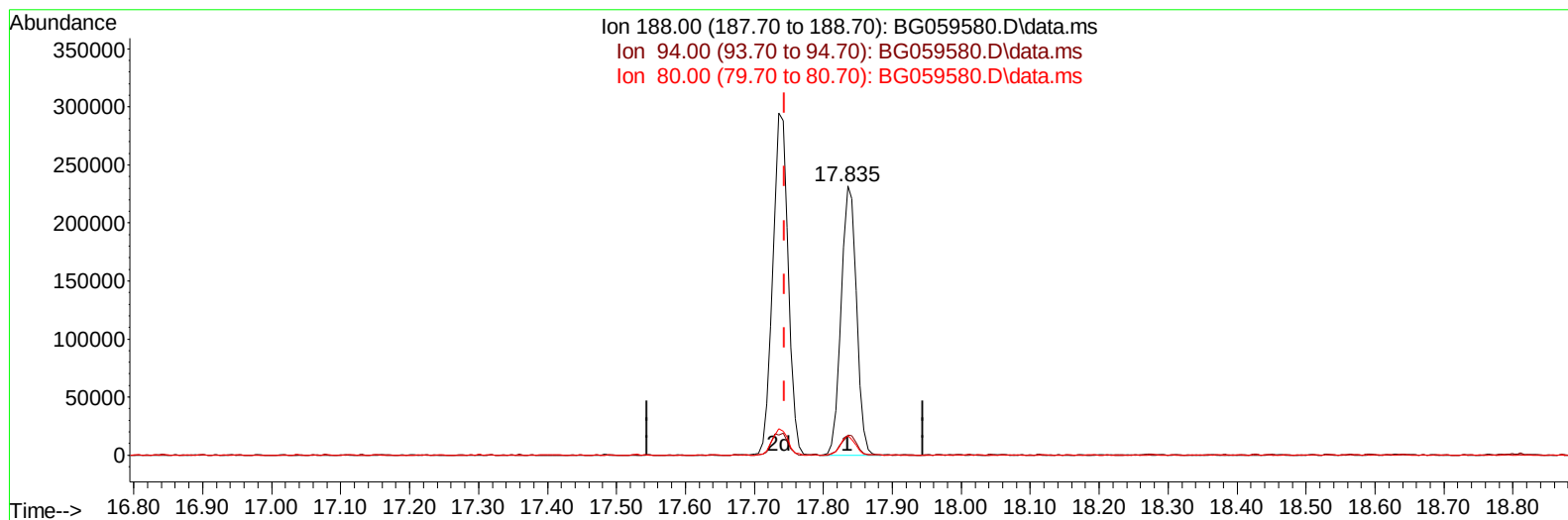
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 02:32:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(64) Phenanthrene-d10 (I)

17.835min (+ 0.091) 20.00 ng/ul

response 356481

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.50	7.45
80.00	7.80	7.28
0.00	0.00	0.00

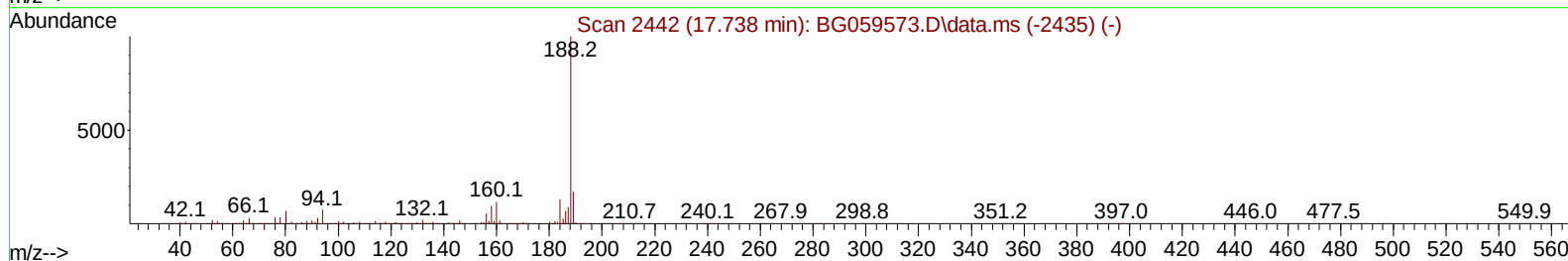
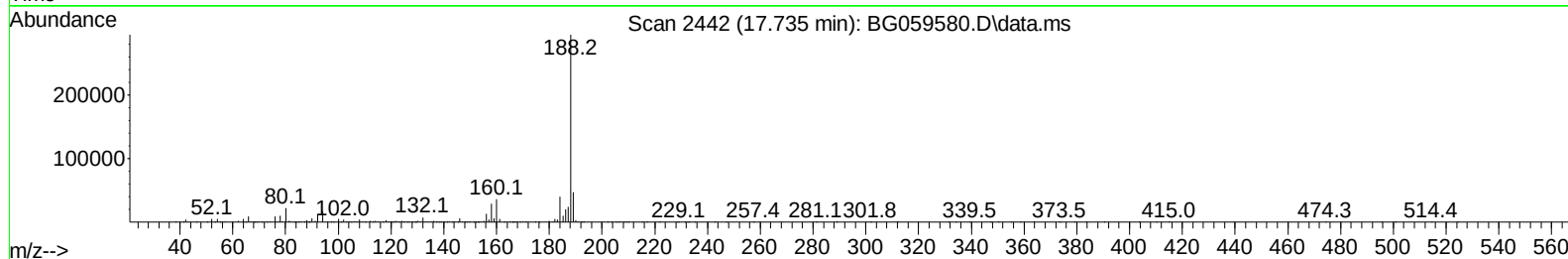
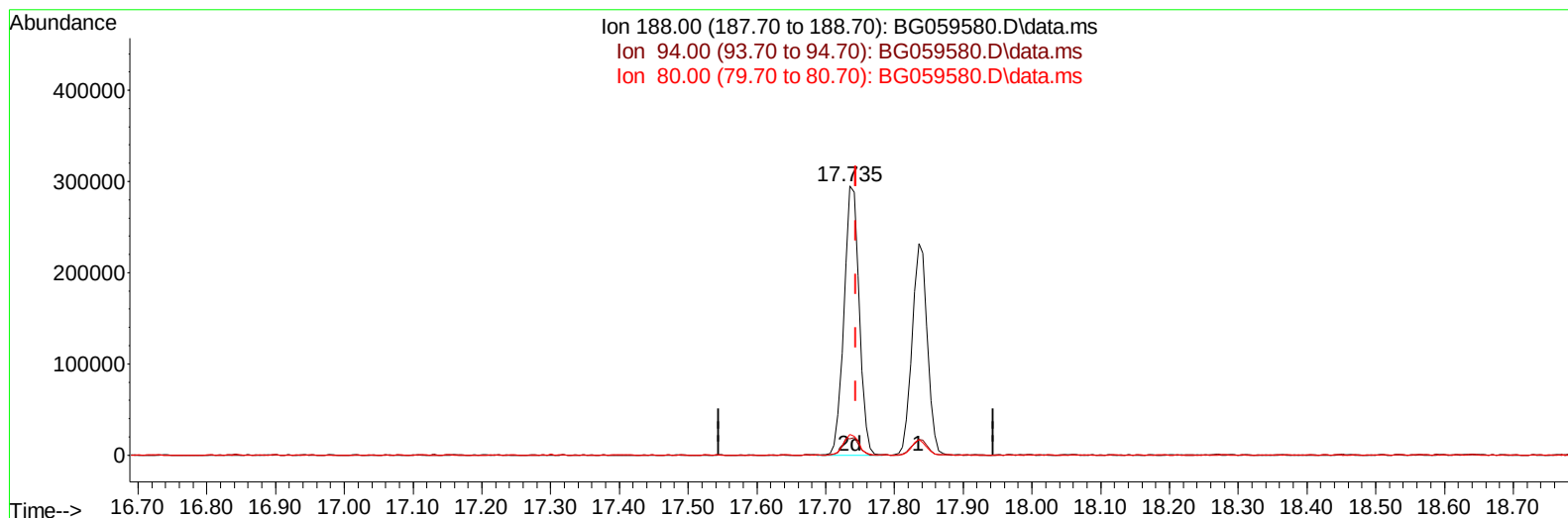
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 02:32:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(64) Phenanthrene-d10 (I)

17.735min (-0.009) 20.00 ng/ul m

response 455658

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.50	5.95#
80.00	7.80	7.65
0.00	0.00	0.00

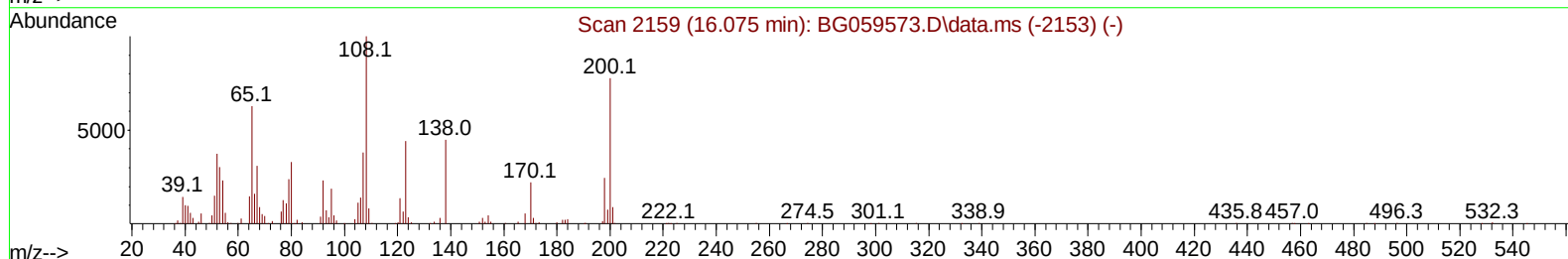
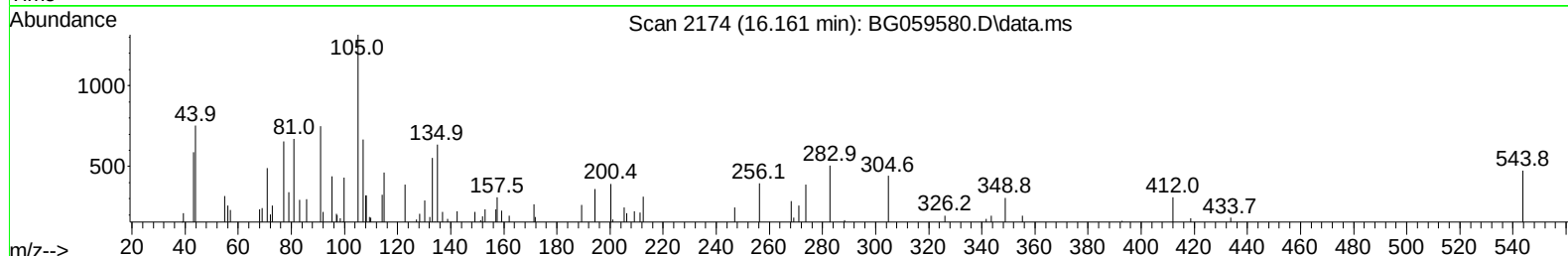
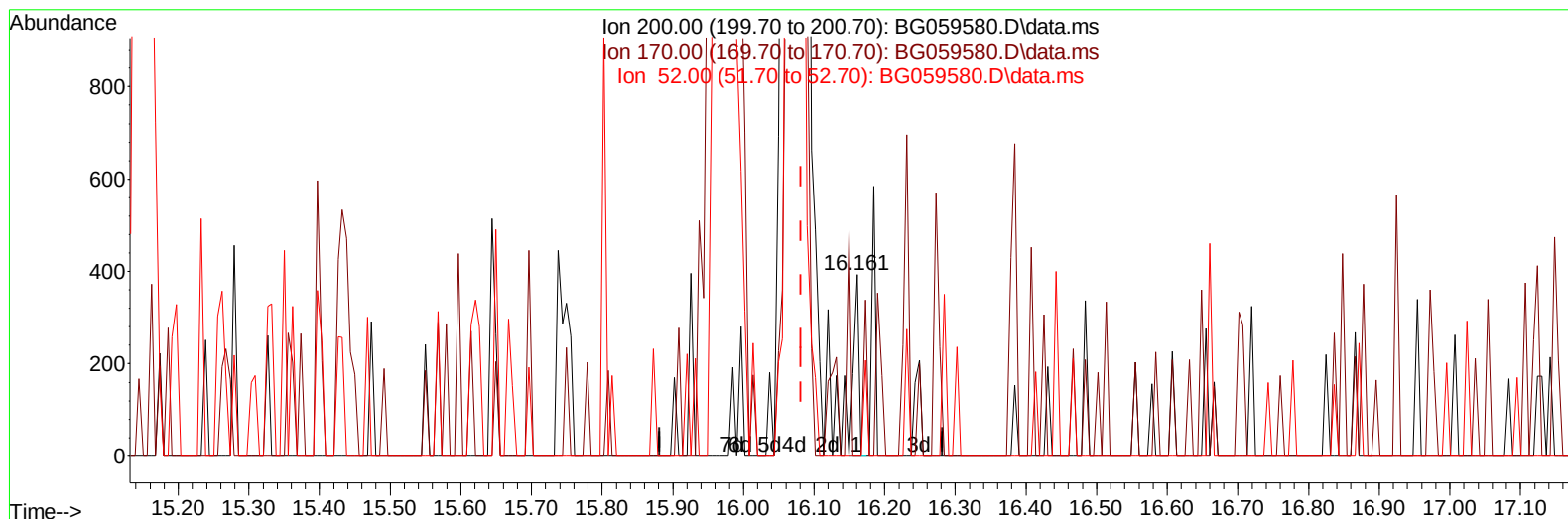
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:15:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

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

16.161min (+ 0.079) 0.09 ng/ul

response 201

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	0.00#
52.00	40.40	0.00#
0.00	0.00	0.00

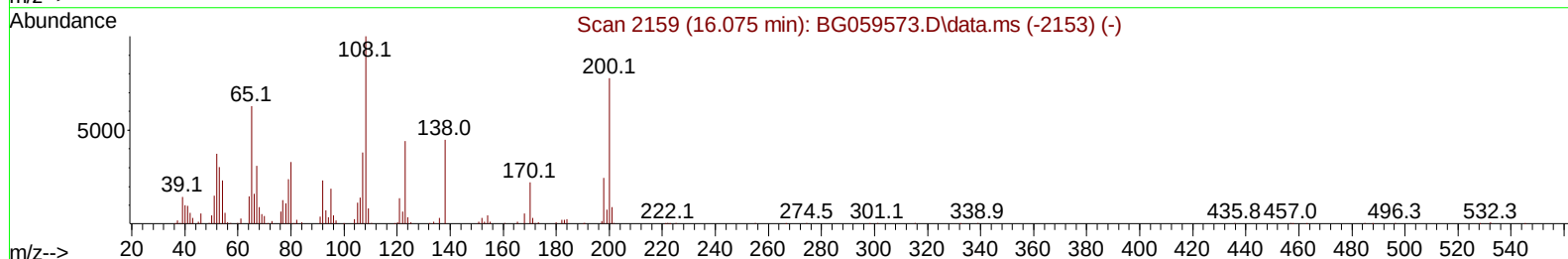
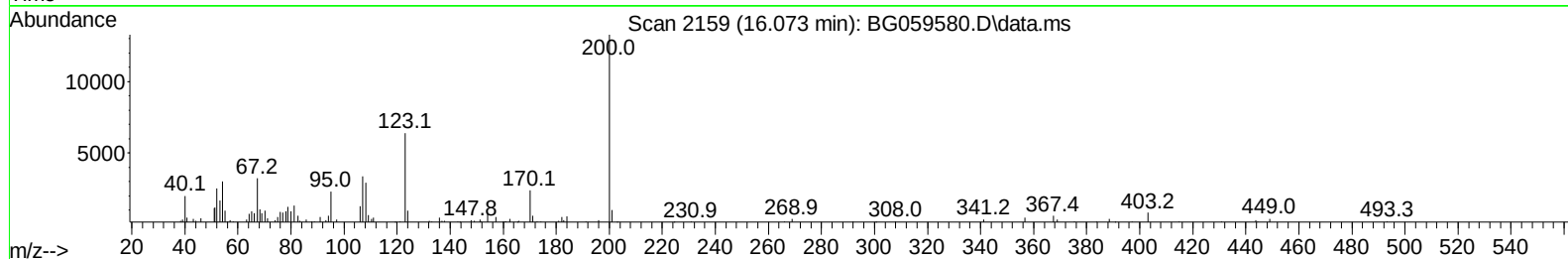
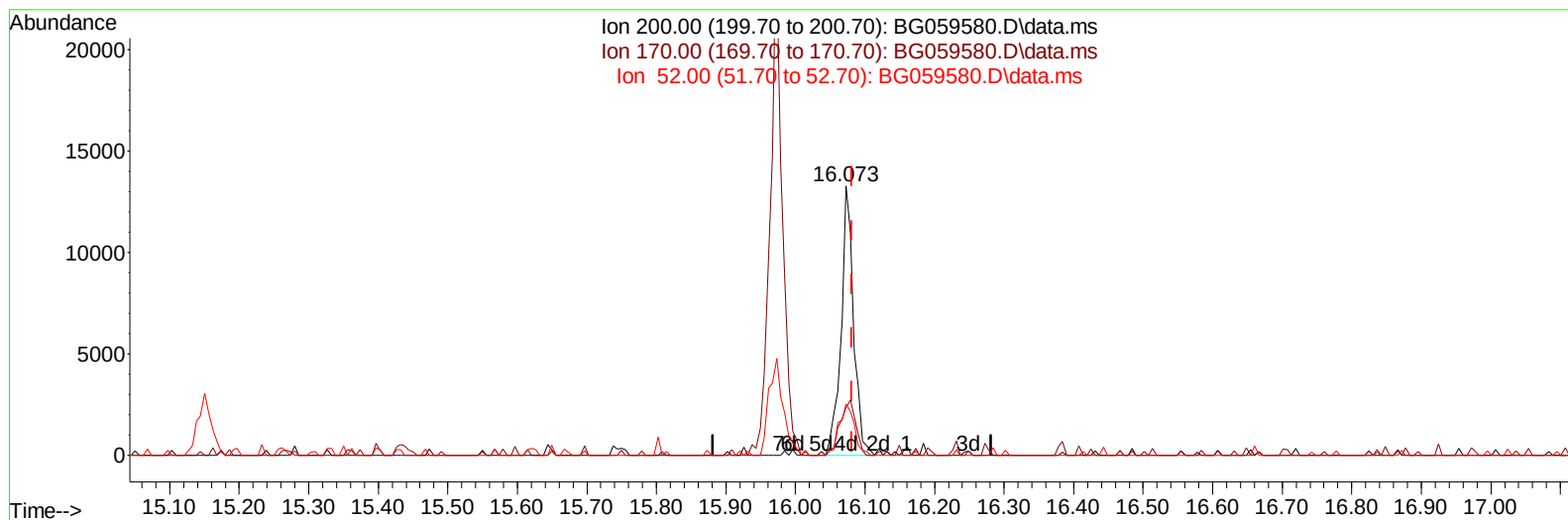
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:15:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

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

16.073min (-0.009) 7.64 ng/ul m

response 16485

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.90	17.88
52.00	40.40	19.08#
0.00	0.00	0.00

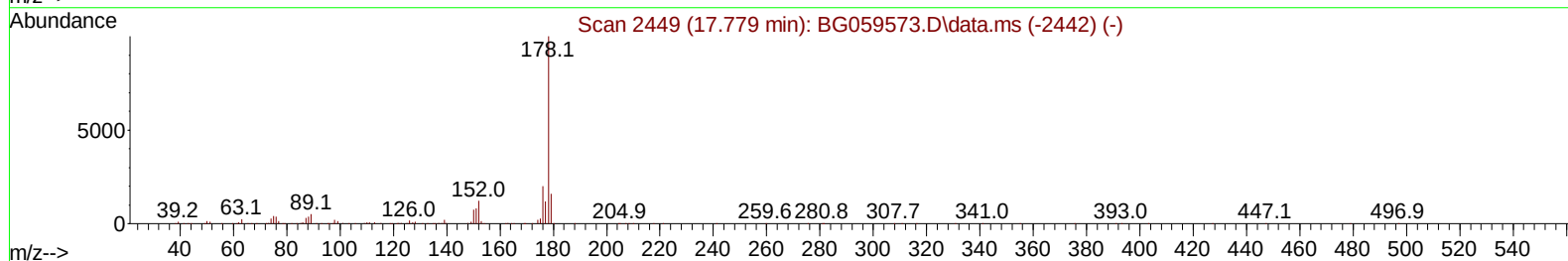
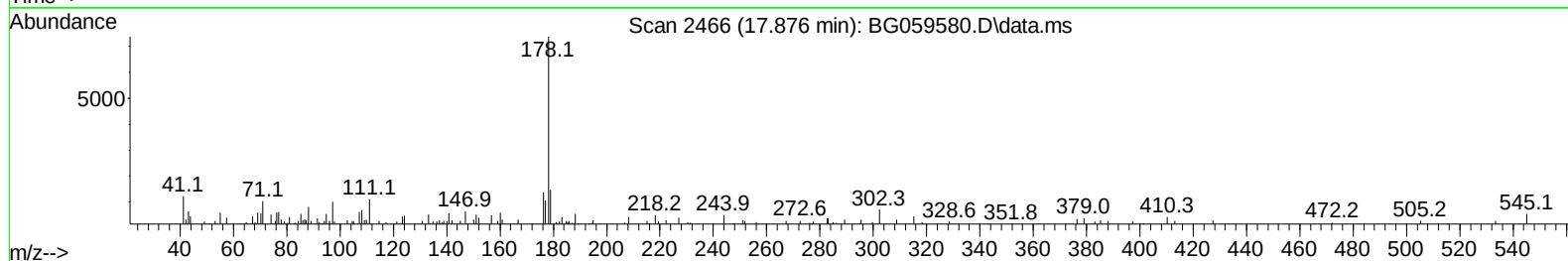
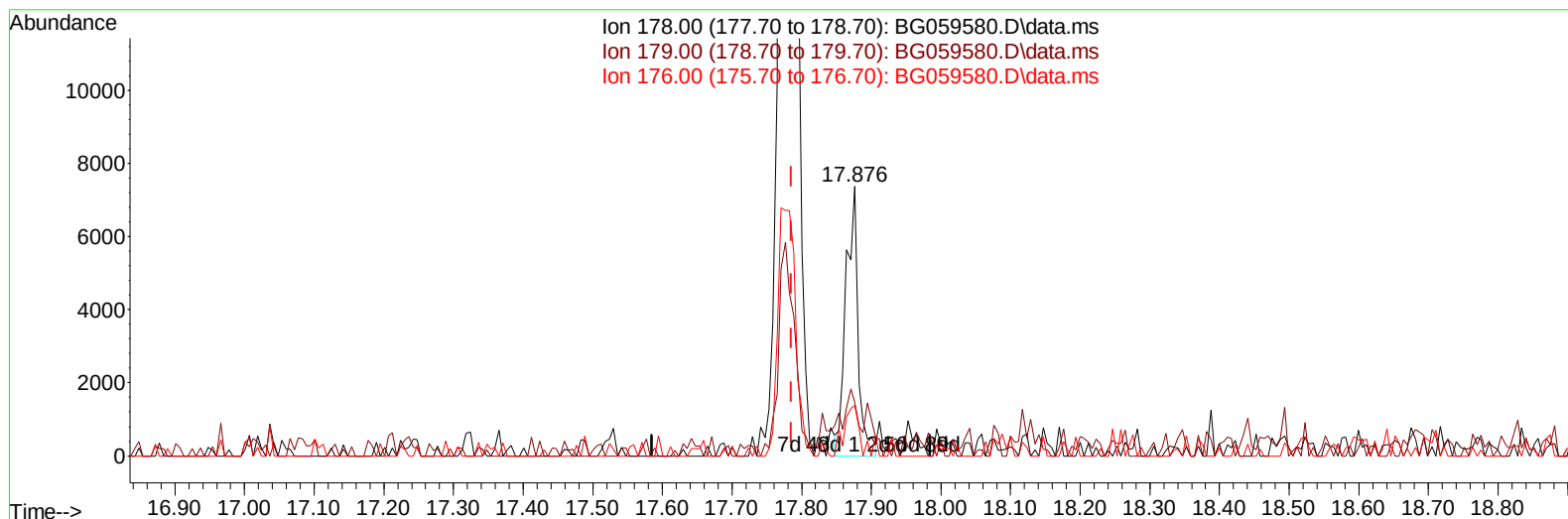
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:15:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(72) Phenanthrene

17.876min (+ 0.091) 0.30 ng/ul

response 8991

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	19.86#
176.00	19.20	18.82
0.00	0.00	0.00

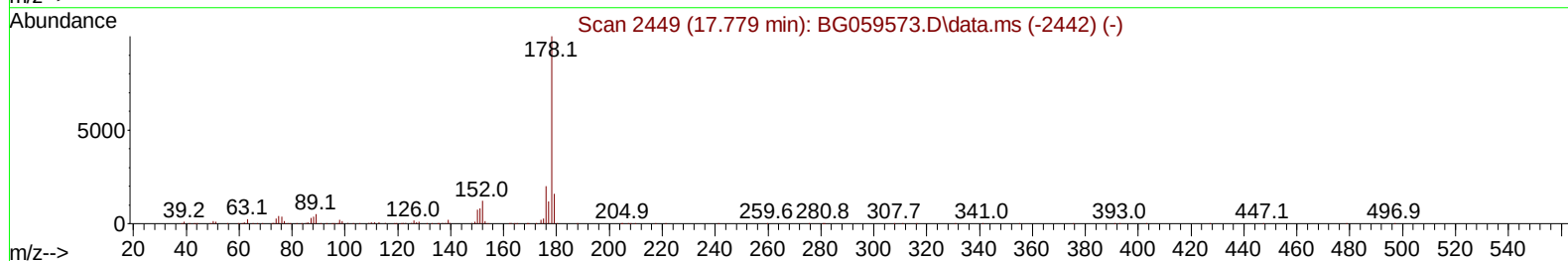
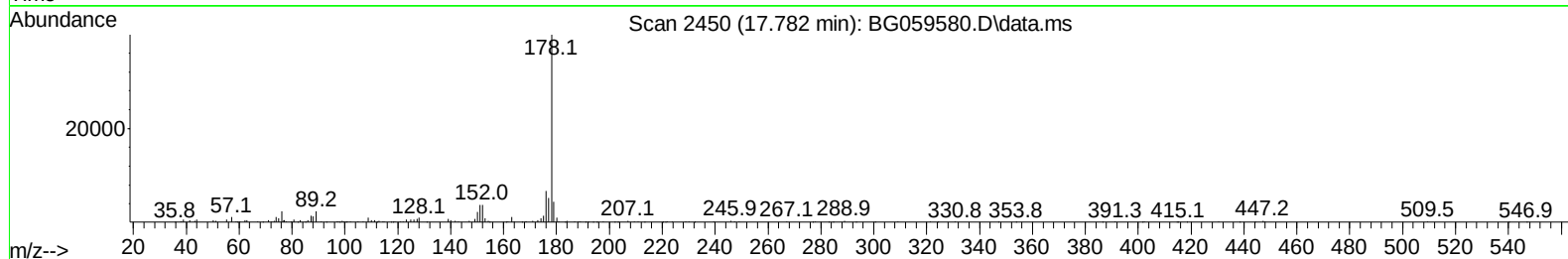
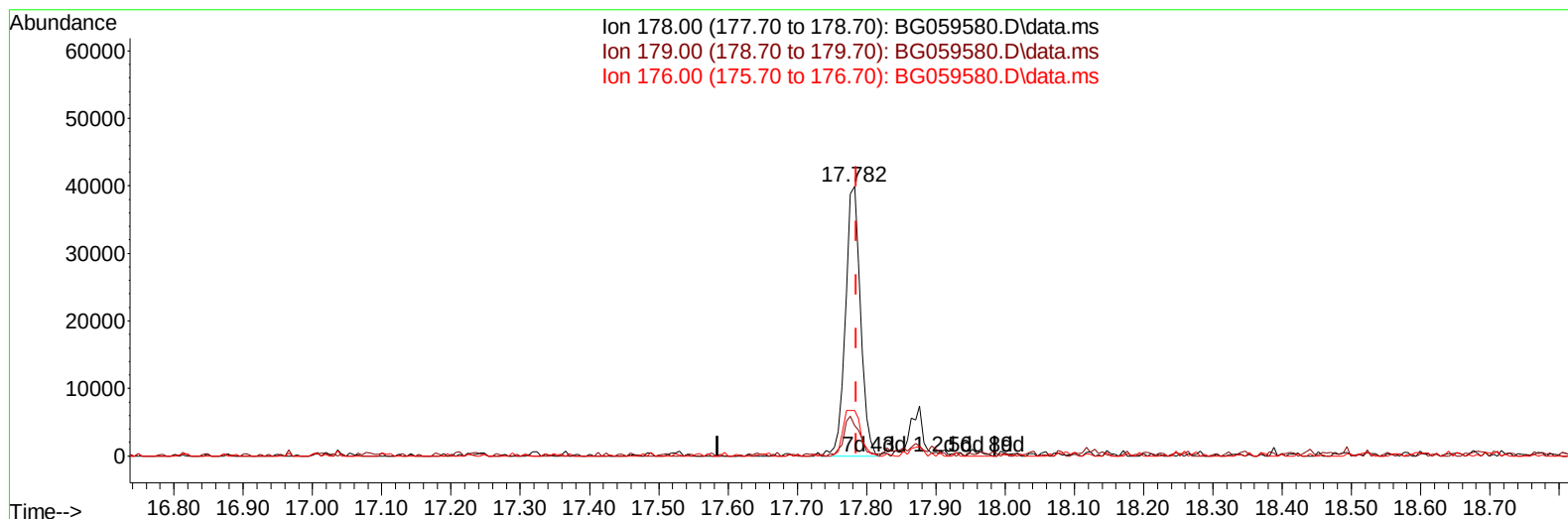
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:15:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(72) Phenanthrene

17.782min (-0.003) 2.04 ng/ul m

response 60358

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.10	11.21#
176.00	19.20	16.82
0.00	0.00	0.00

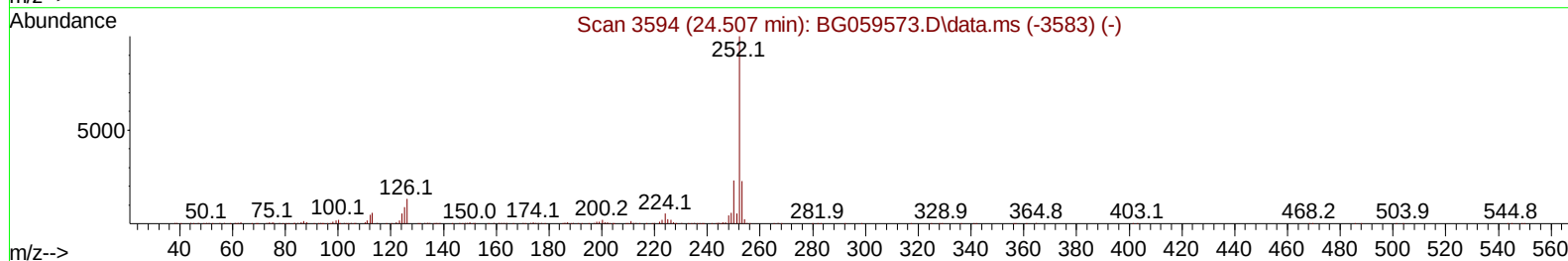
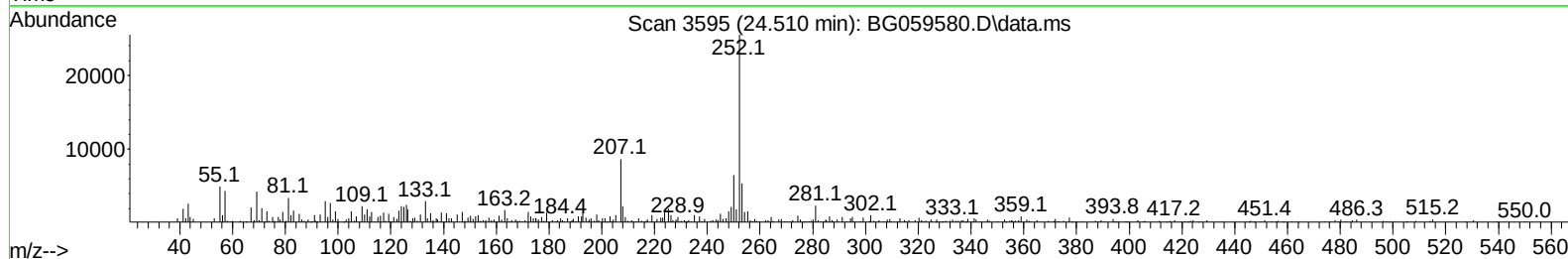
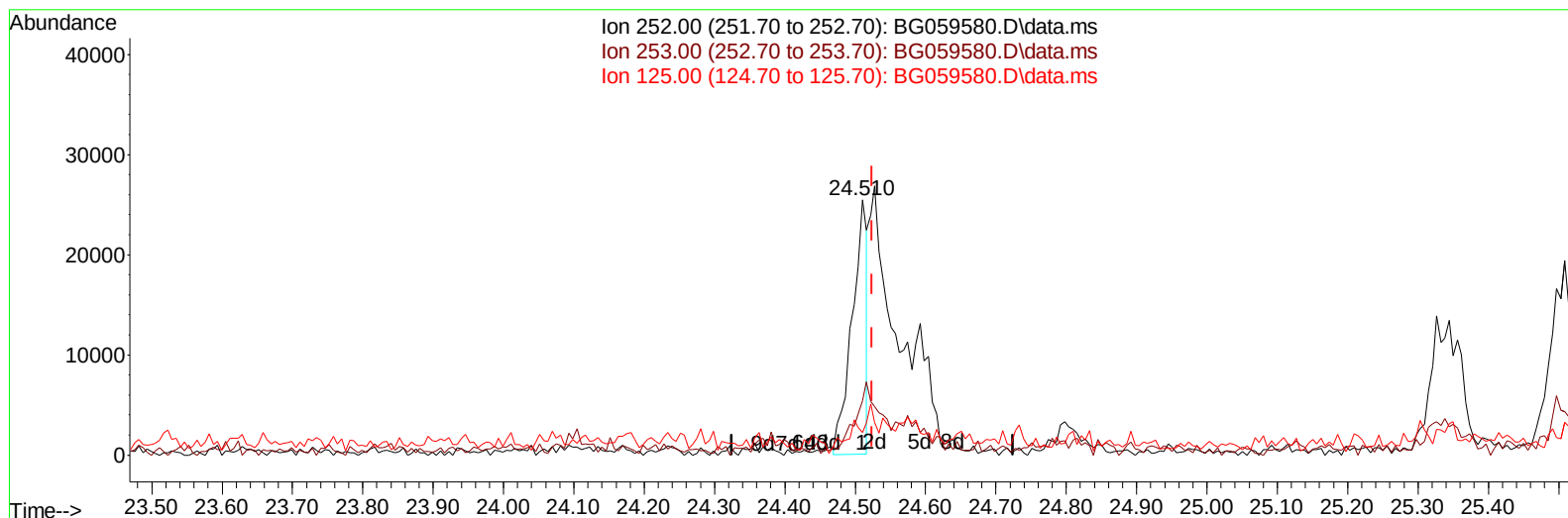
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:16:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(90) Benzo(b)fluoranthene

24.510min (-0.015) 1.41 ng/u1

response 37725

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	21.25
125.00	10.80	8.73
0.00	0.00	0.00

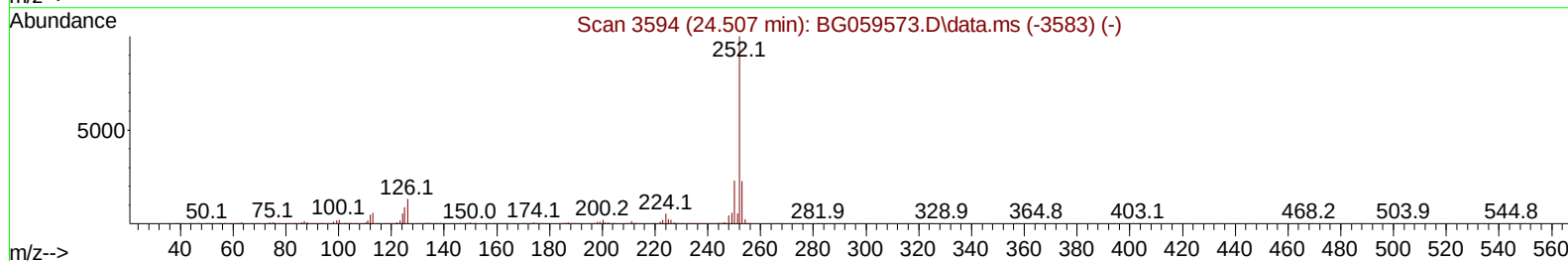
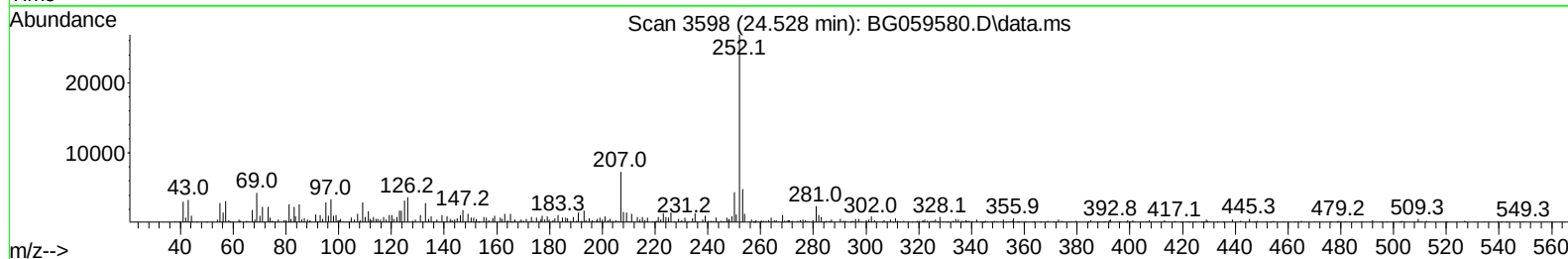
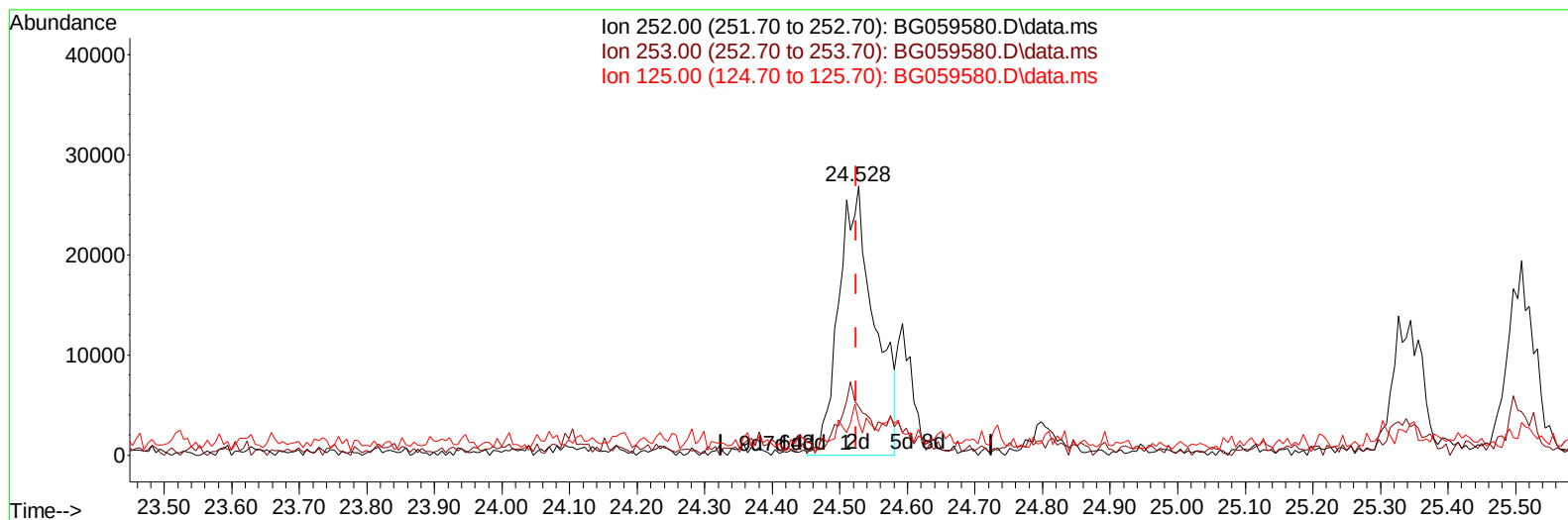
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:16:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(90) Benzo(b)fluoranthene

24.528min (+ 0.003) 3.67 ng/ul m

response 98148

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	17.97
125.00	10.80	12.08
0.00	0.00	0.00

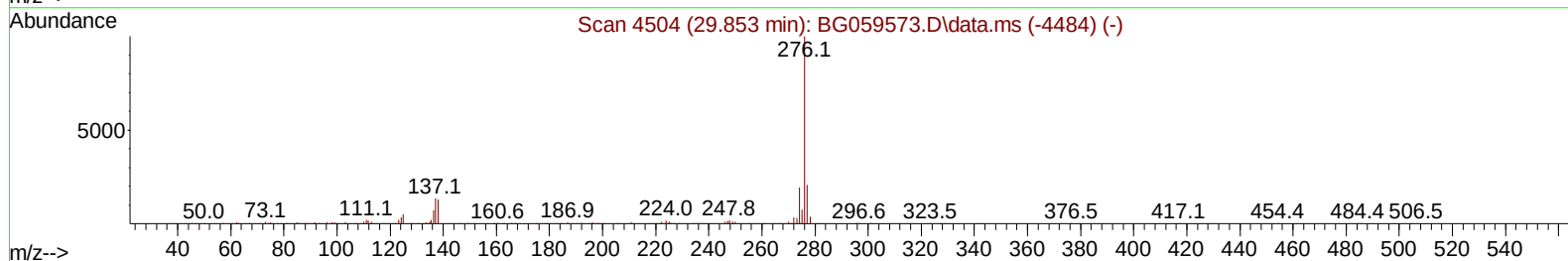
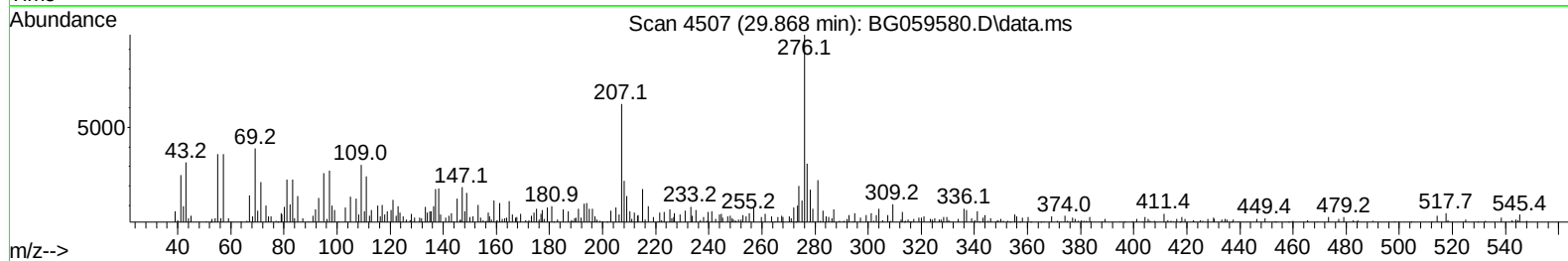
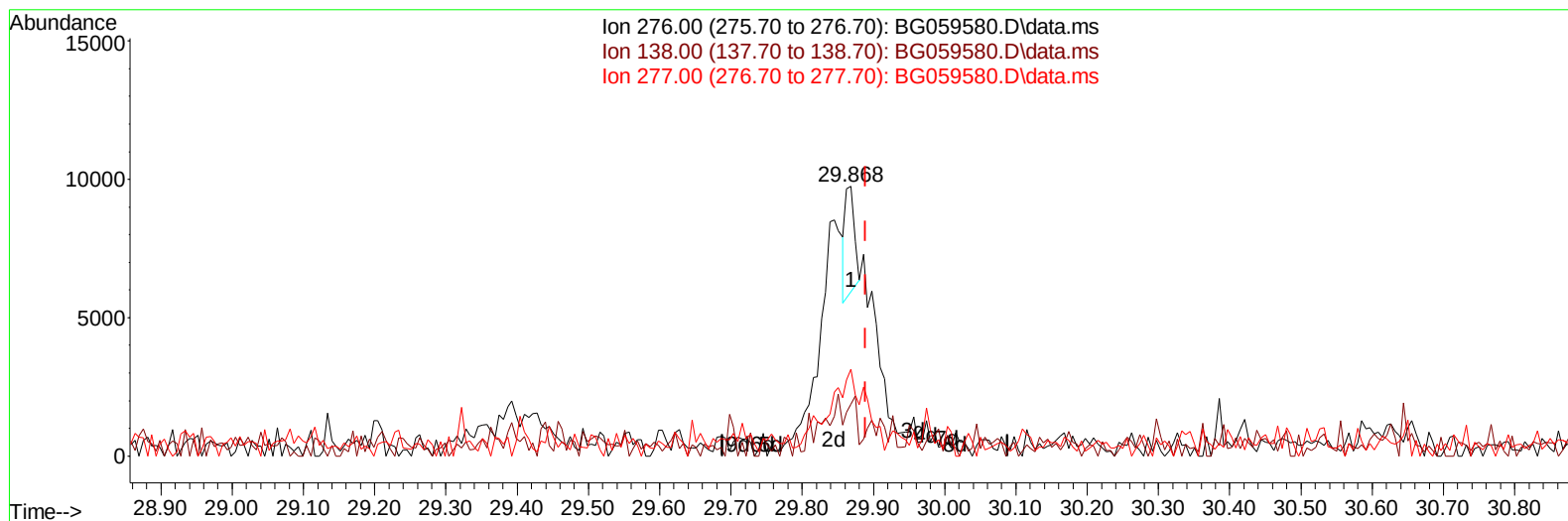
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
Data File : BG059580.D
Acq On : 1 Nov 2023 15:20
Operator : MA/JU
Sample : 04922-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:17:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 28 03:56:42 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.868min (-0.021) 0.11 ng/u1

response 3428

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	19.20
277.00	20.50	32.18#
0.00	0.00	0.00

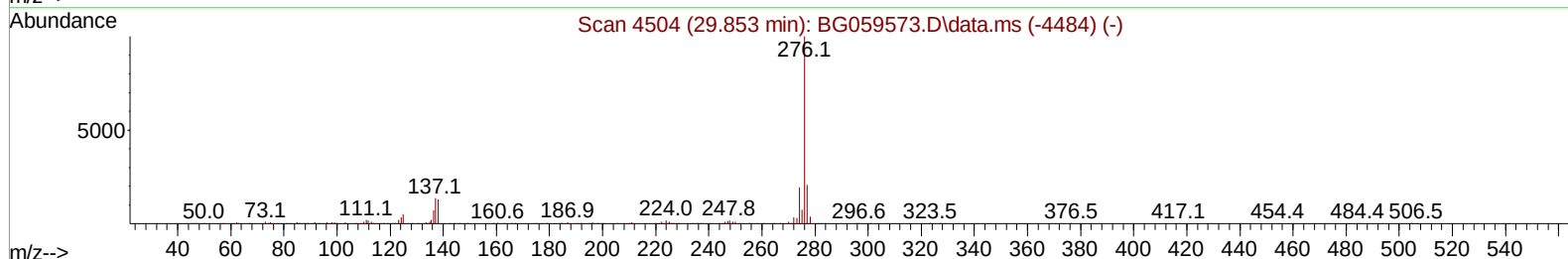
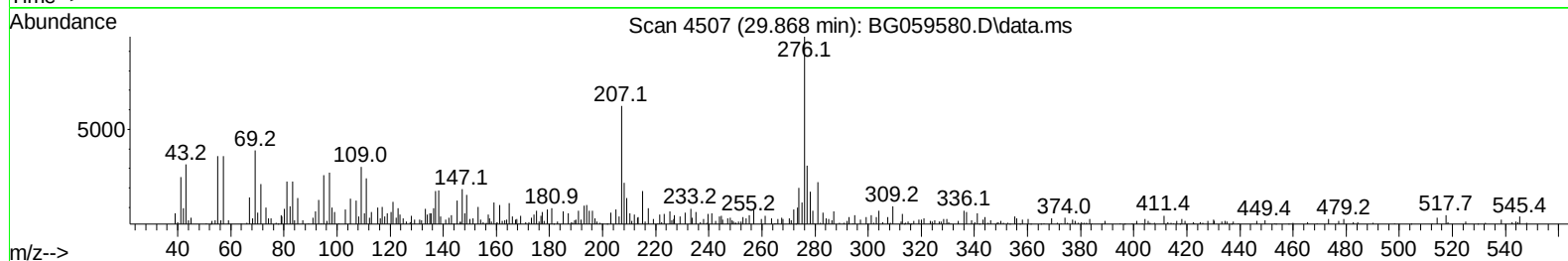
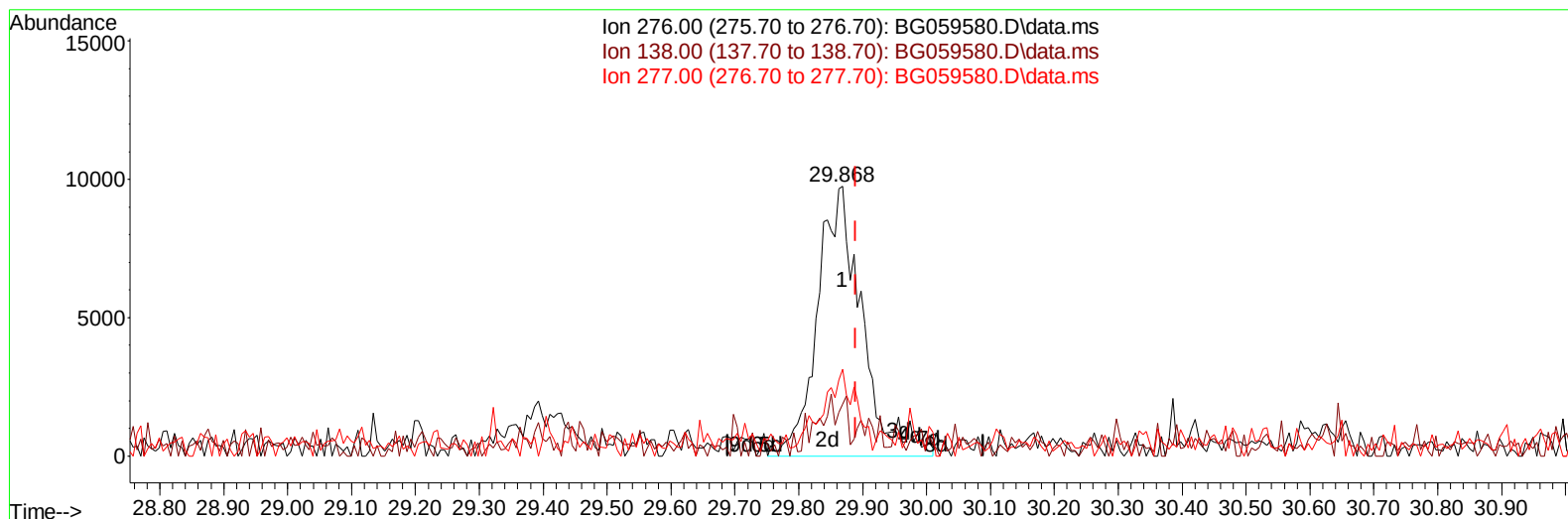
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:17:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.868min (-0.021) 1.46 ng/ul m

response 46890

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	19.20
277.00	20.50	32.18#
0.00	0.00	0.00

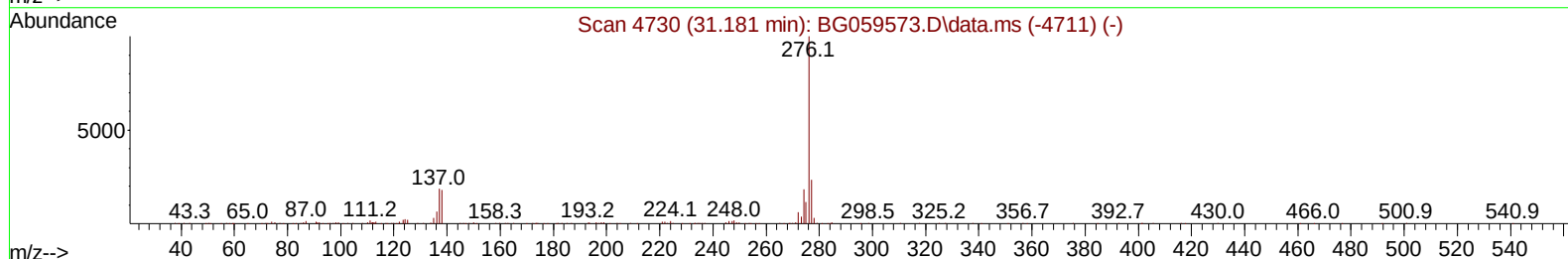
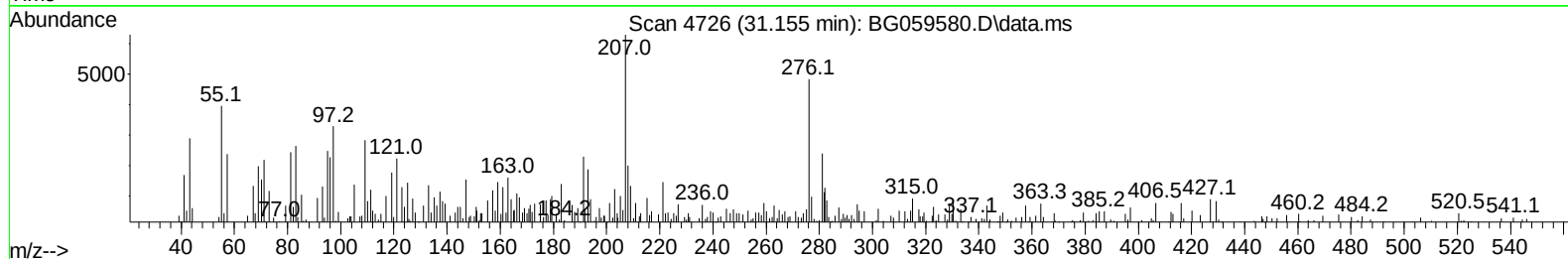
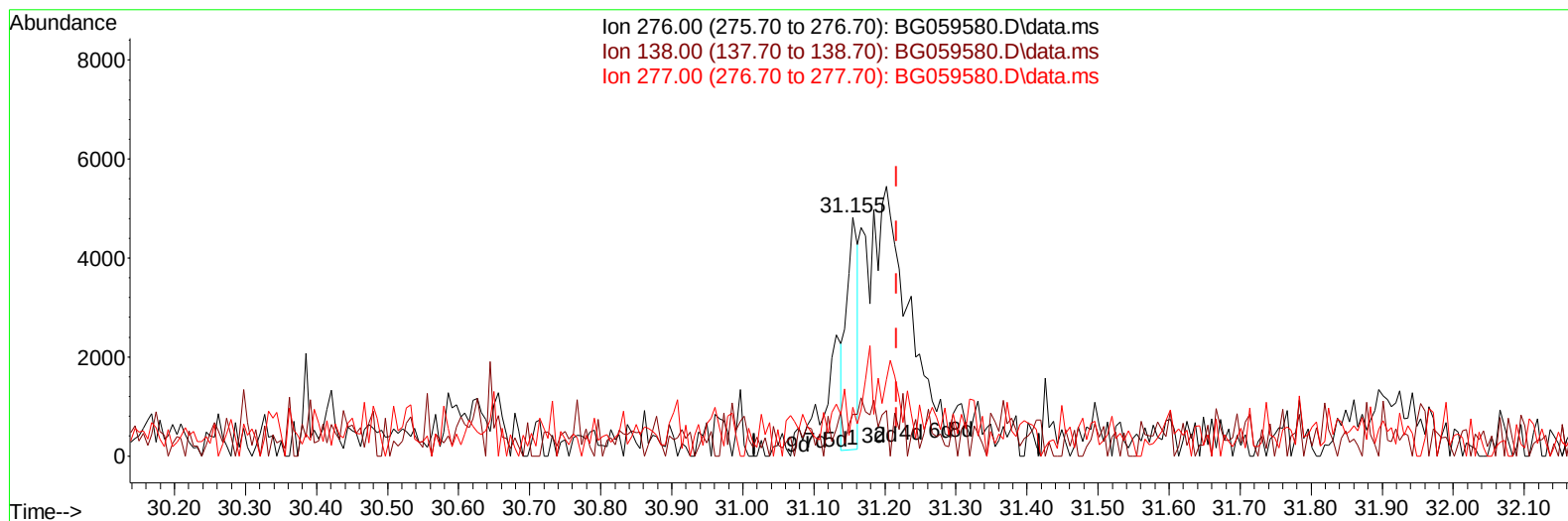
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:17:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(96) Benzo(g,h,i)perylene

31.155min (-0.062) 0.20 ng/u1

response 5233

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	17.36
277.00	22.80	20.36
0.00	0.00	0.00

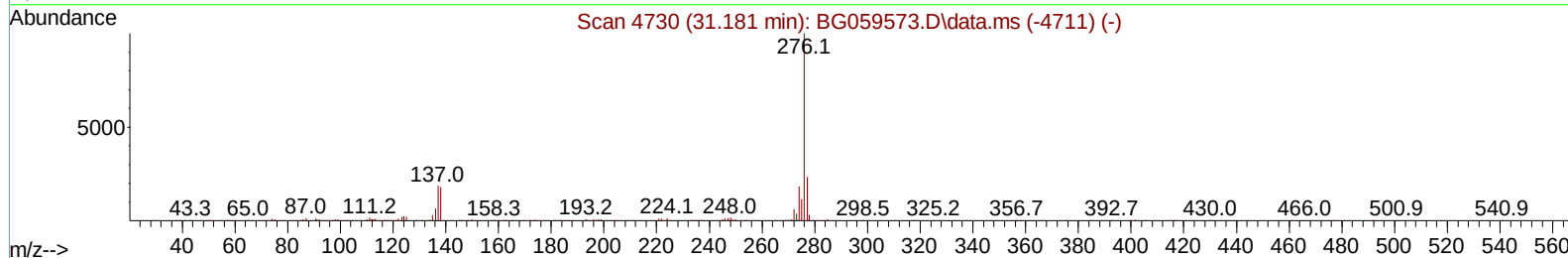
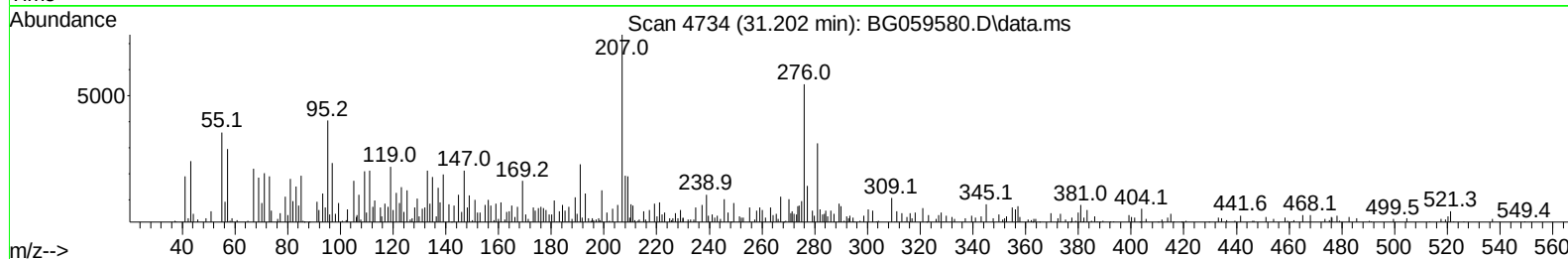
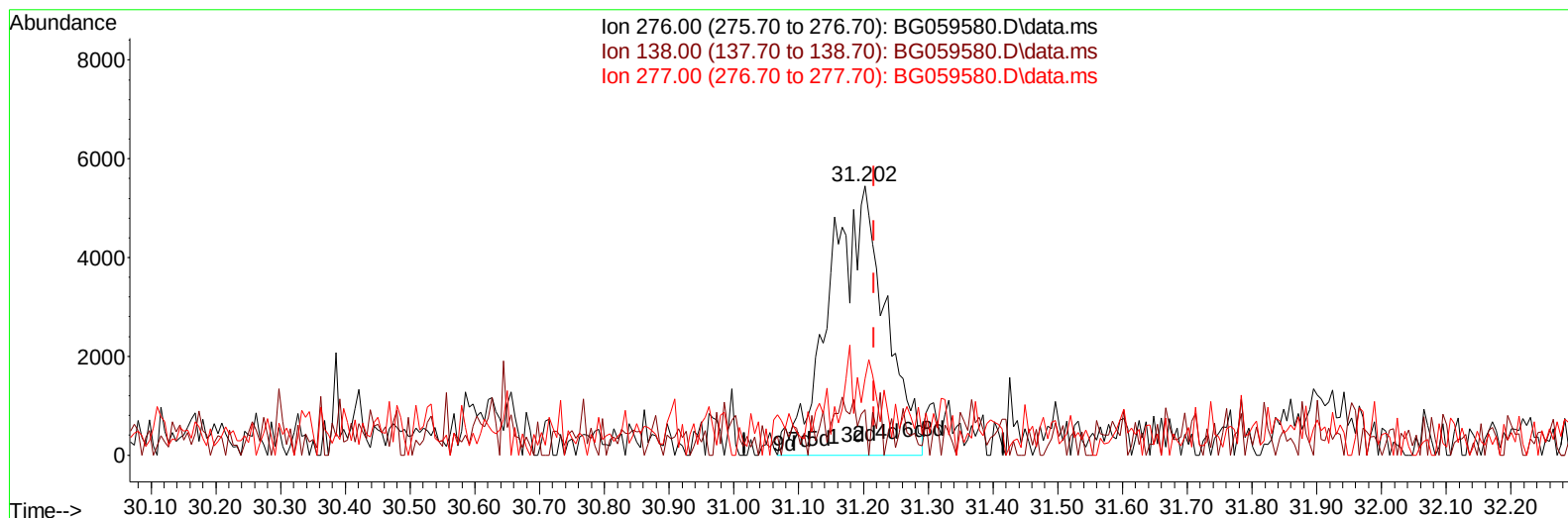
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
Data File : BG059580.D
Acq On : 1 Nov 2023 15:20
Operator : MA/JU
Sample : 04922-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:17:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 28 03:56:42 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
Supervised By :mohammad ahmed 11/03/2023



TIC: BG059580.D\data.ms

(96) Benzo(g,h,i)perylene

31.202min (-0.015) 1.25 ng/ul m

response 32735

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	16.76
277.00	22.80	28.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Quant Time: Nov 02 03:18:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	73657	20.000	ng/ul	0.00
20) Naphthalene-d8	11.208	136	351843	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.986	164	223653	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.735	188	455658m	20.000	ng/ul	0.00
79) Chrysene-d12	22.072	240	331613	20.000	ng/ul	0.00
88) Perylene-d12	25.679	264	368608	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.652	96	3510	1.783	ng/uL	0.00
4) Pyridine-d5	4.098	84	9053	1.646	ng/ul	0.00
7) Phenol-d5	7.465	99	78265	10.340	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.677	67	37653	10.830	ng/ul	0.00
11) 2-Chlorophenol-d4	7.871	132	68273	11.118	ng/ul	0.00
15) 4-Methylphenol-d8	9.040	113	45501	7.577	ng/ul	0.00
21) Nitrobenzene-d5	9.557	128	36452	14.571	ng/ul	0.00
24) 2-Nitrophenol-d4	10.274	143	41309	16.084	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.802	165	71188	12.581	ng/ul	0.00
31) 4-Chloroaniline-d4	11.349	131	69600	7.472	ng/ul	0.00
46) Dimethylphthalate-d6	14.381	166	263815	13.020	ng/ul	0.00
49) Acenaphthylene-d8	14.686	160	311109	13.083	ng/ul	0.00
54) 4-Nitrophenol-d4	15.150	143	36605	10.535	ng/ul	0.00
60) Fluorene-d10	15.973	176	238181	13.755	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.073	200	16485m	7.640	ng/ul	0.00
73) Anthracene-d10	17.835	188	356481	14.441	ng/ul	0.00
81) Pyrene-d10	20.109	212	341567	14.819	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.432	264	307318	14.158	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.204	105	37814	3.995	ng/ul	89
72) Phenanthrene	17.782	178	60358m	2.038	ng/ul	
80) Fluoranthene	19.774	202	120681	4.295	ng/ul#	95
82) Pyrene	20.139	202	110126	3.773	ng/ul#	96
85) Benzo(a)anthracene	22.048	228	56242	2.061	ng/ul	98
87) Chrysene	22.124	228	48413	1.907	ng/ul	93
90) Benzo(b)fluoranthene	24.528	252	98148m	3.673	ng/ul	
93) Benzo(a)pyrene	25.509	252	53359	2.113	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	29.868	276	46890m	1.465	ng/ul	
96) Benzo(g,h,i)perylene	31.202	276	32735m	1.250	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110123\
 Data File : BG059580.D
 Acq On : 1 Nov 2023 15:20
 Operator : MA/JU
 Sample : 04922-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EOAT1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/03/2023
 Supervised By :mohammad ahmed 11/03/2023

Quant Time: Nov 02 03:18:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

