

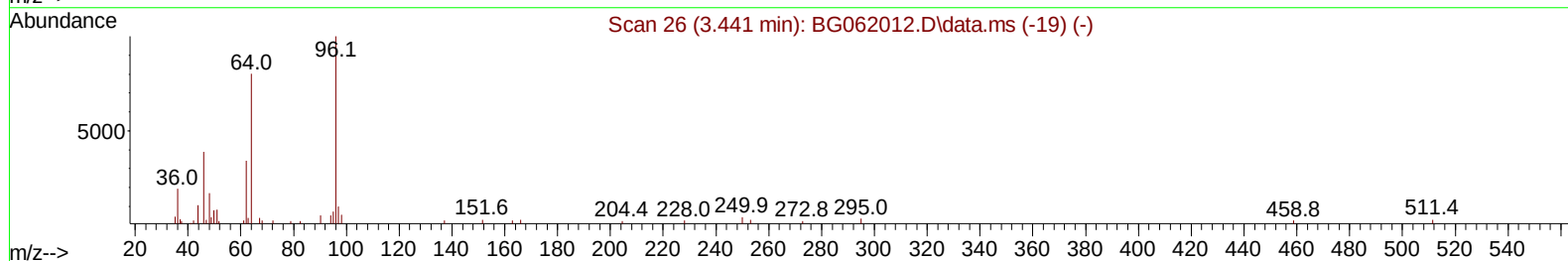
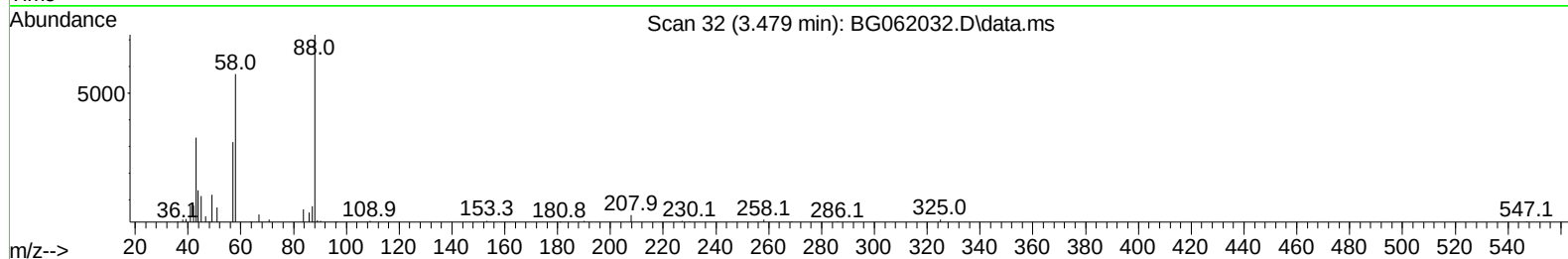
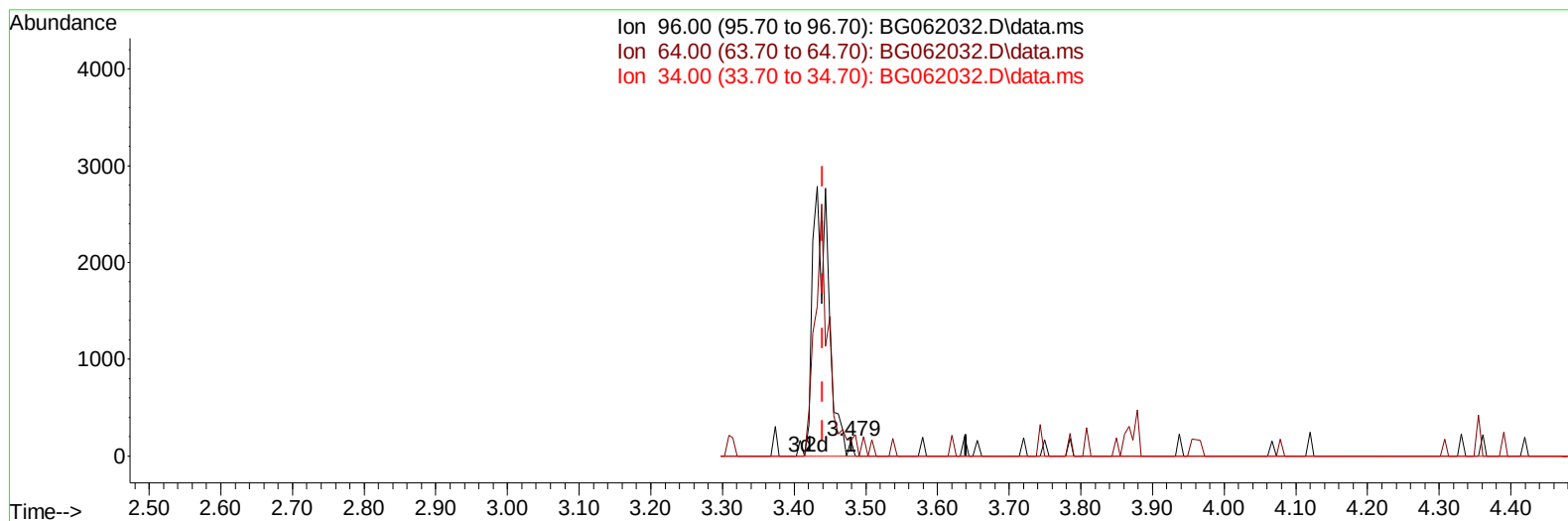
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

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

3.479min (+ 0.039) 0.04 ng/uL

response 57

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	98.77
34.00	0.00	0.00
0.00	0.00	0.00

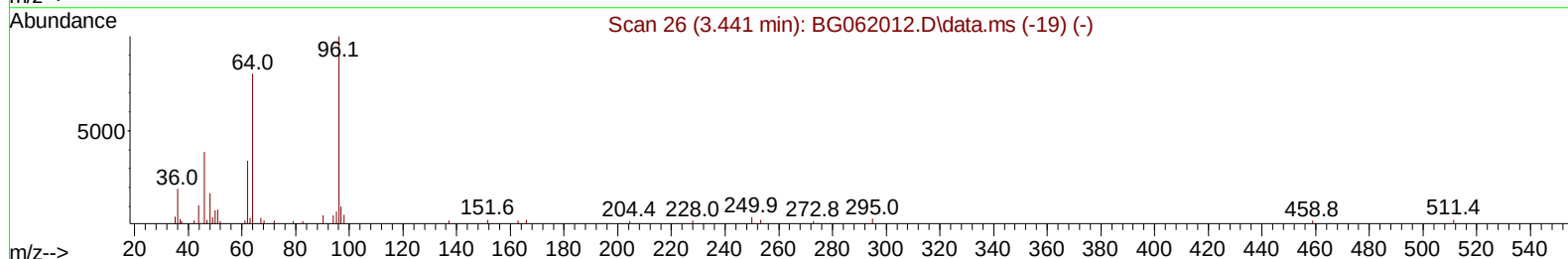
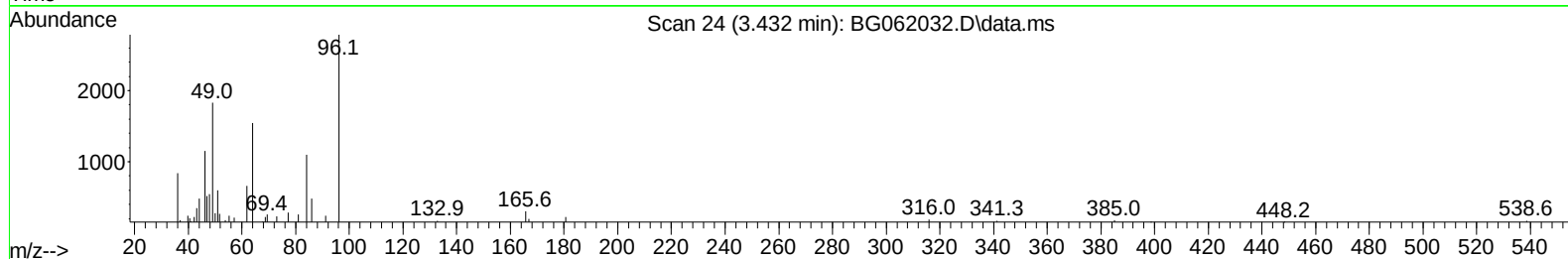
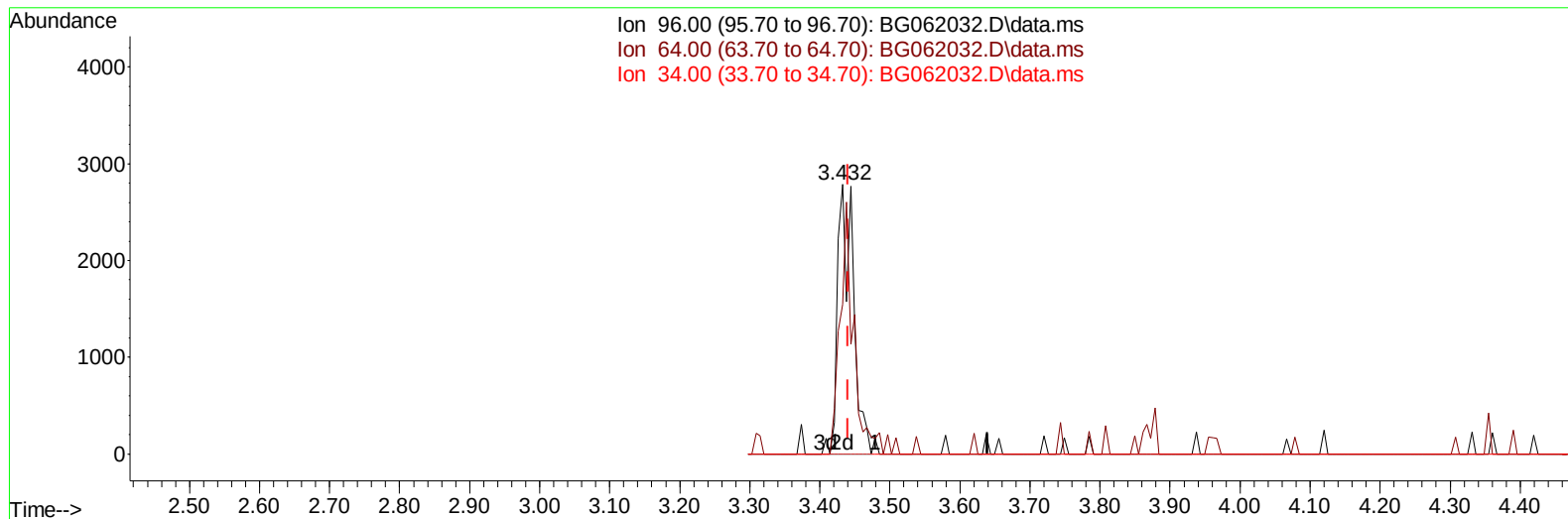
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

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

3.432min (-0.008) 3.36 ng/uL m

response 4288

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	55.53#
34.00	0.00	0.00
0.00	0.00	0.00

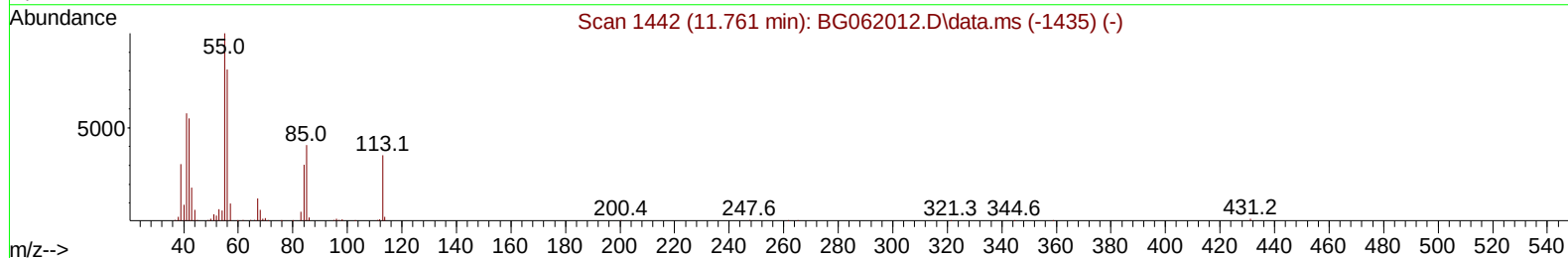
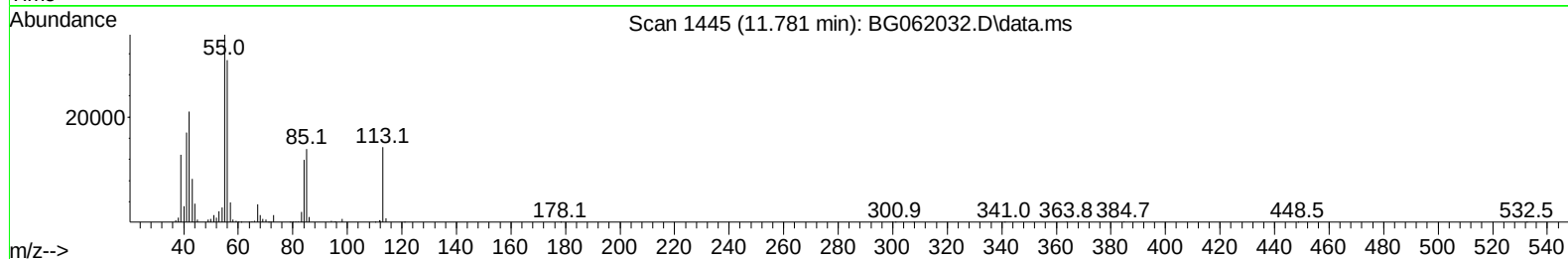
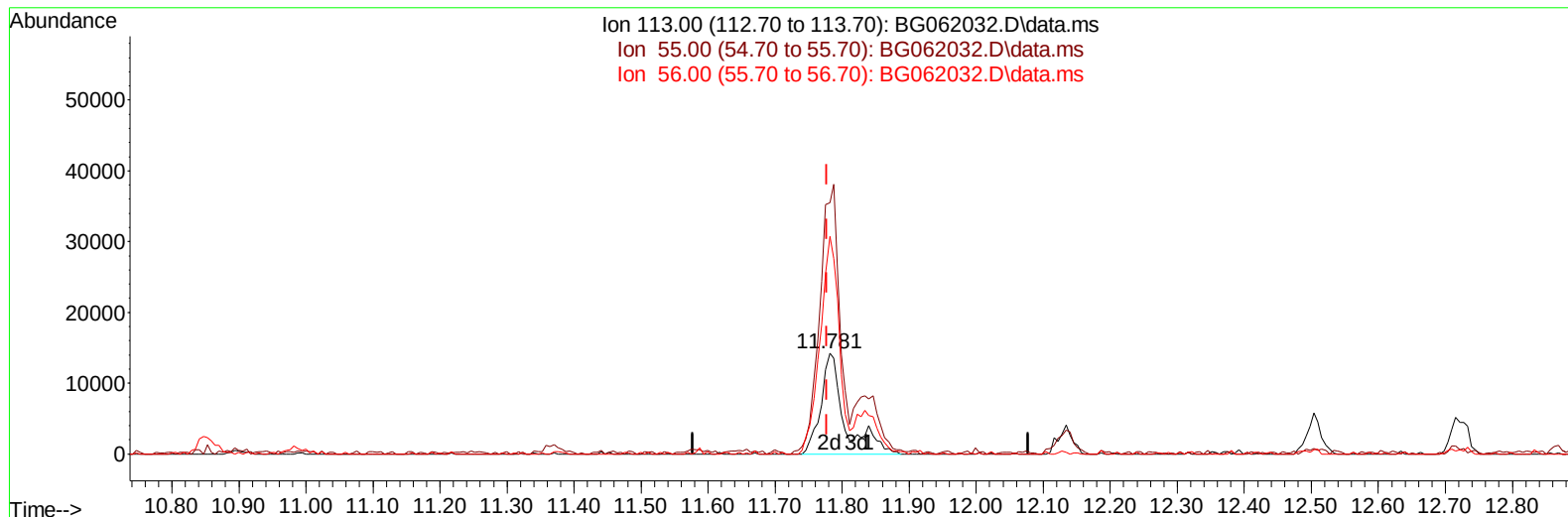
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(34) Caprolactam

11.781min (+ 0.004) 24.55 ng/ul m

response 34824

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.70	249.31
56.00	168.80	215.42#
0.00	0.00	0.00

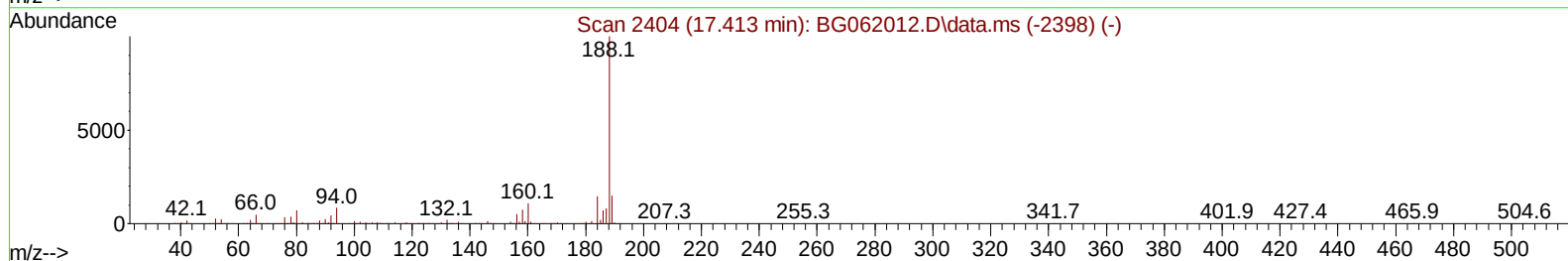
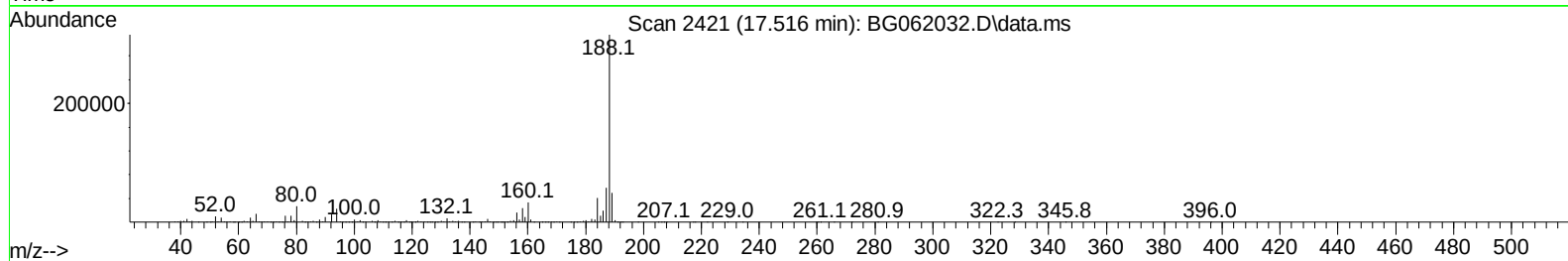
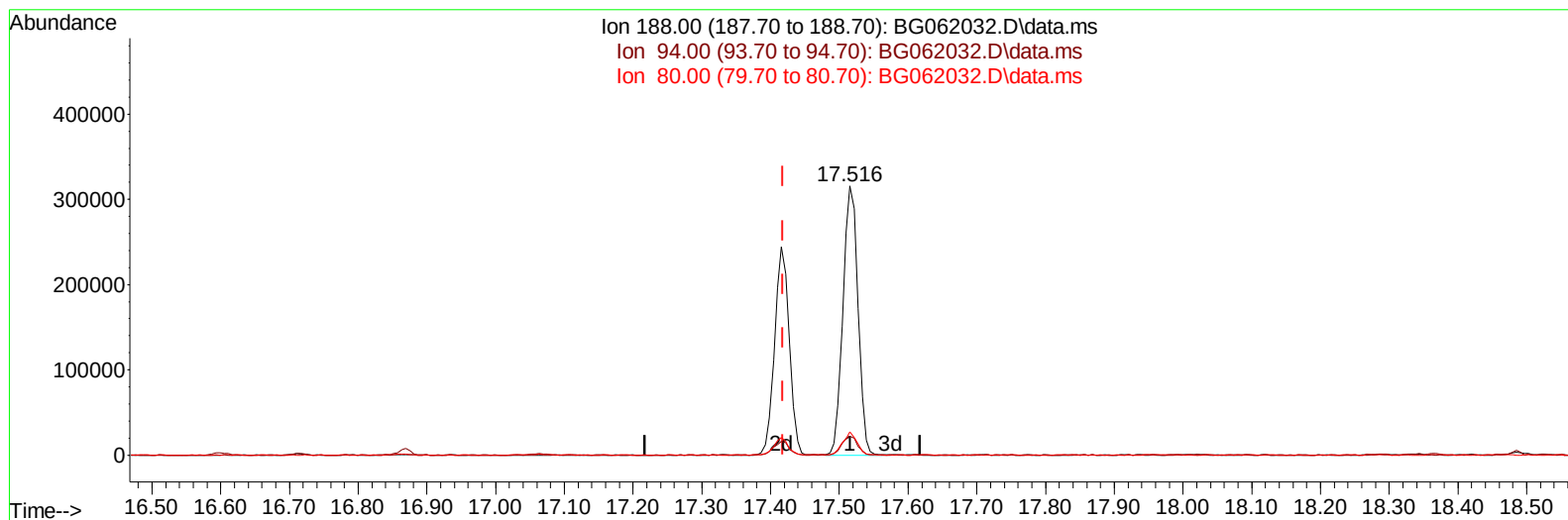
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:11:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(64) Phenanthrene-d10 (I)

17.516min (+ 0.098) 20.00 ng/ul

response 478393

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	7.02
80.00	10.40	8.64
0.00	0.00	0.00

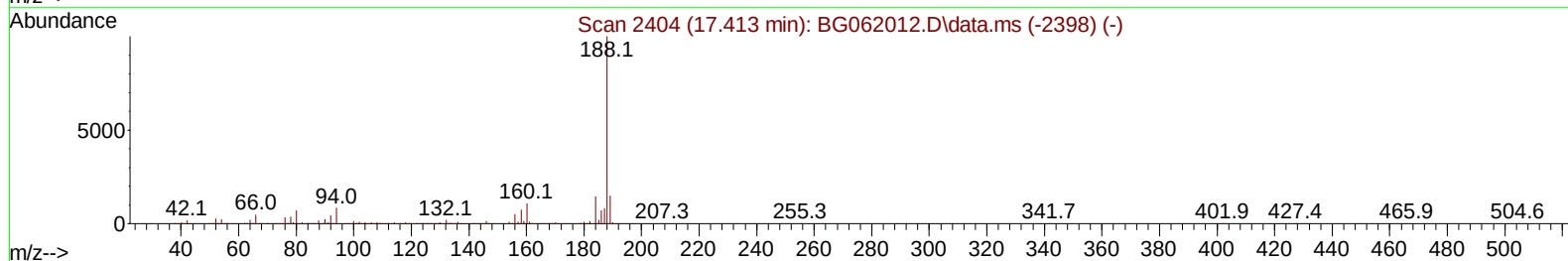
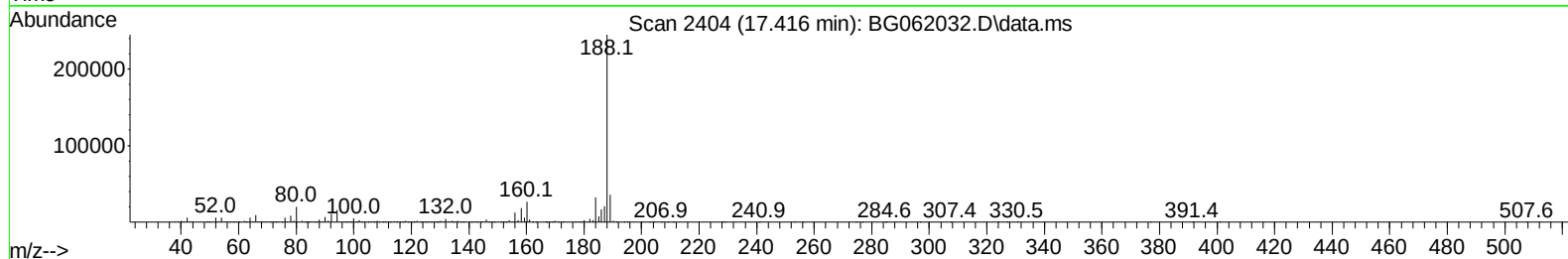
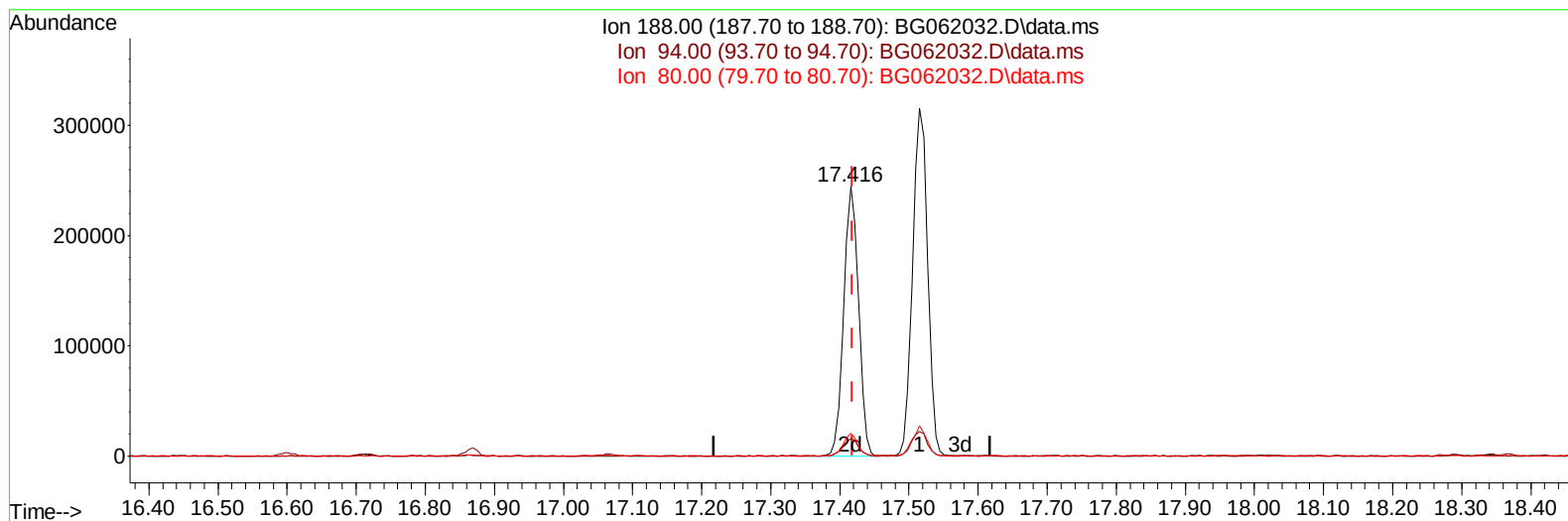
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:11:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(64) Phenanthrene-d10 (I)

17.416min (-0.002) 20.00 ng/ul m

response 363776

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	6.50#
80.00	10.40	8.36
0.00	0.00	0.00

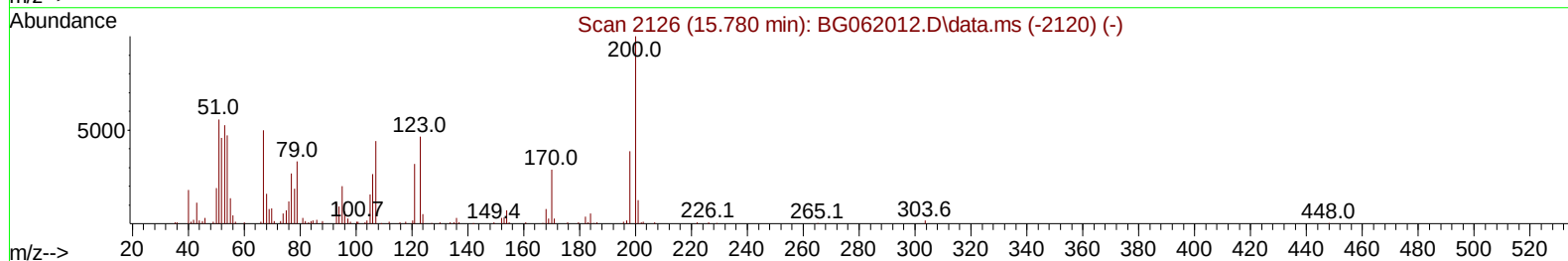
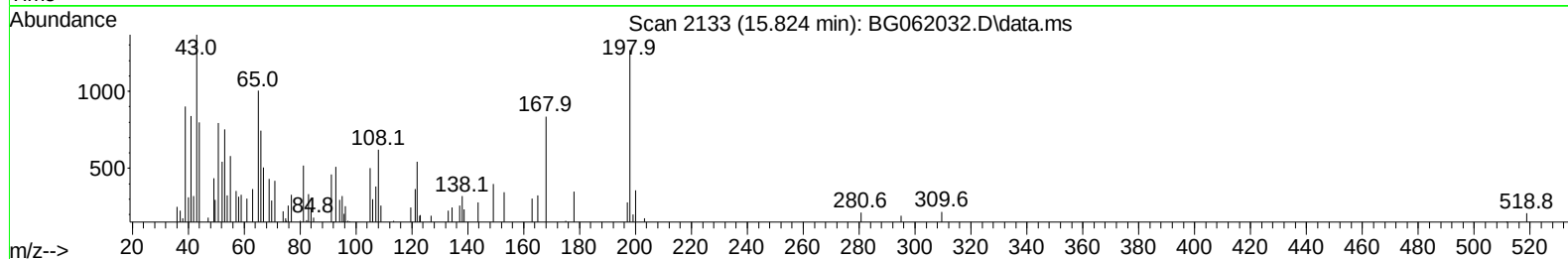
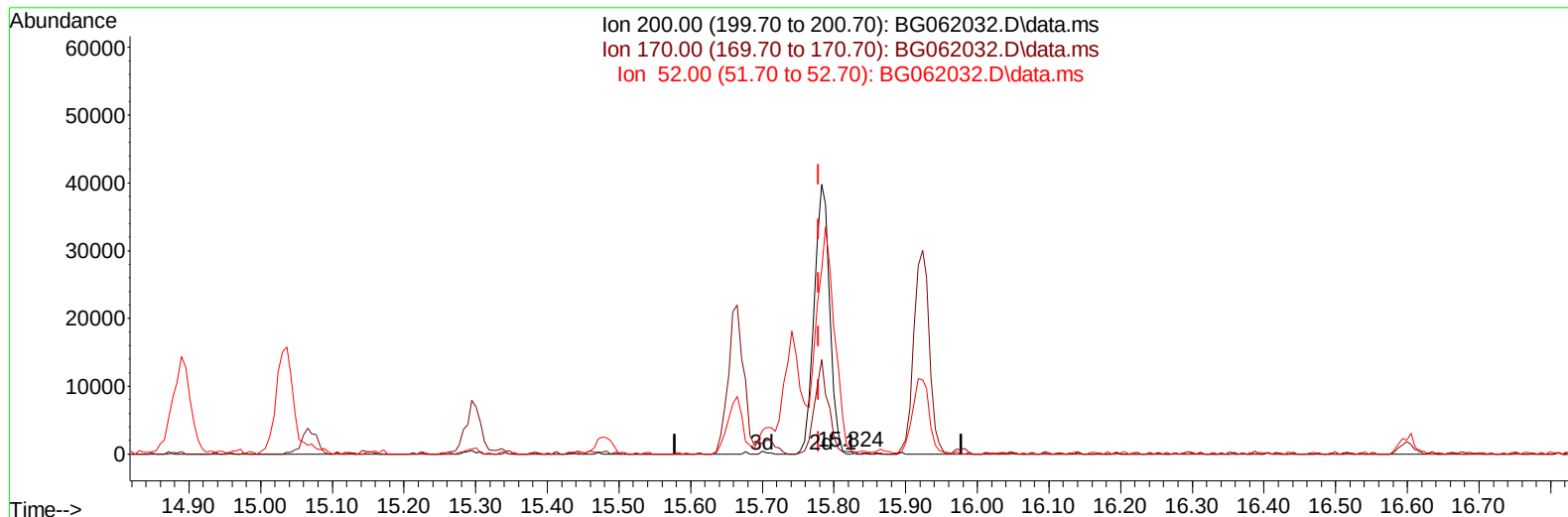
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

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

15.824min (+ 0.045) 0.07 ng/ul

response 127

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.10	0.00#
52.00	66.90	151.25#
0.00	0.00	0.00

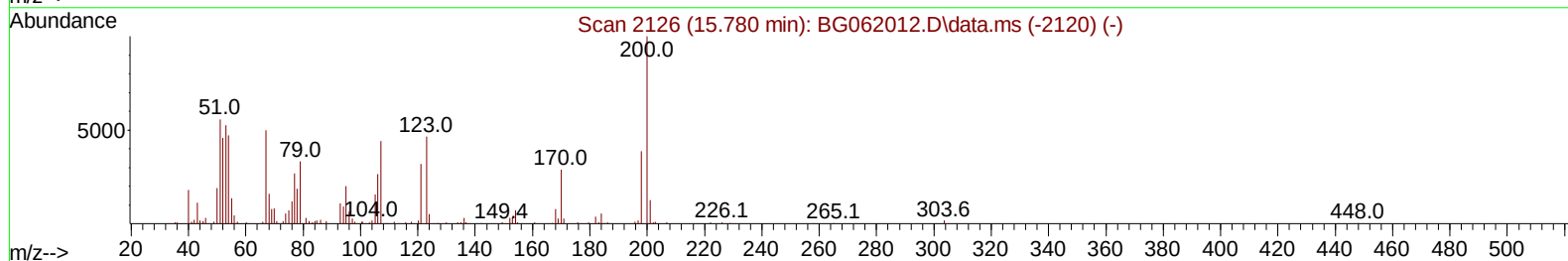
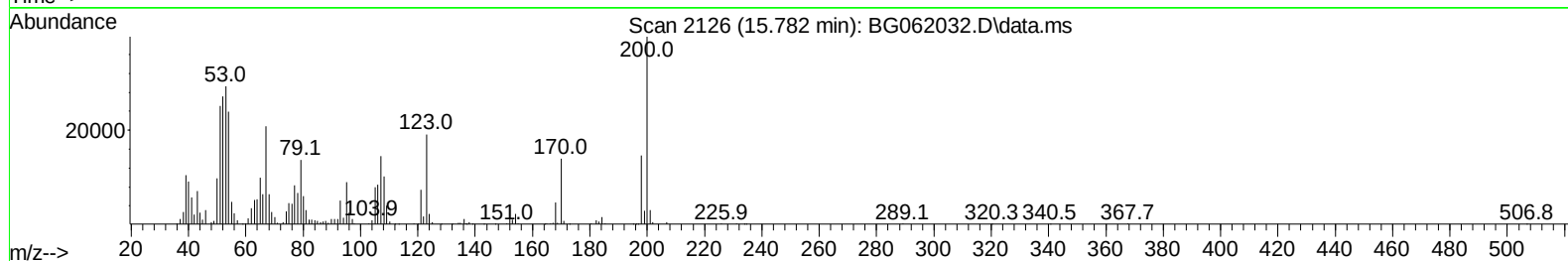
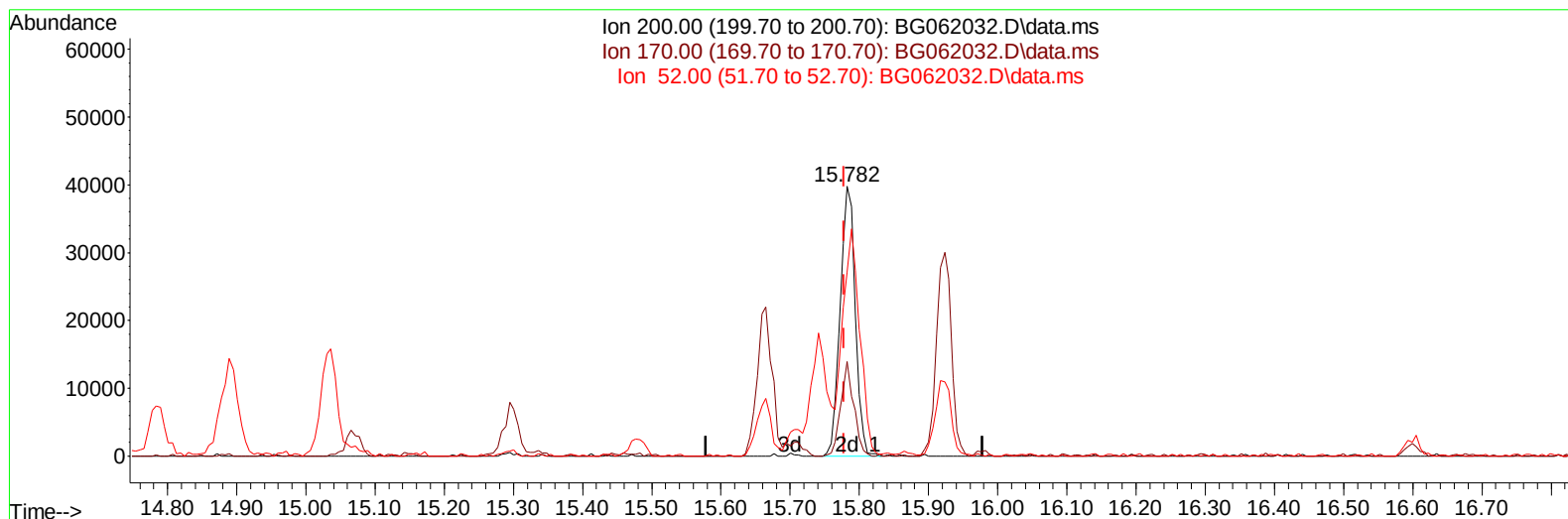
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

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

15.782min (+ 0.004) 31.43 ng/ul m

response 60055

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.10	35.14#
52.00	66.90	68.25
0.00	0.00	0.00

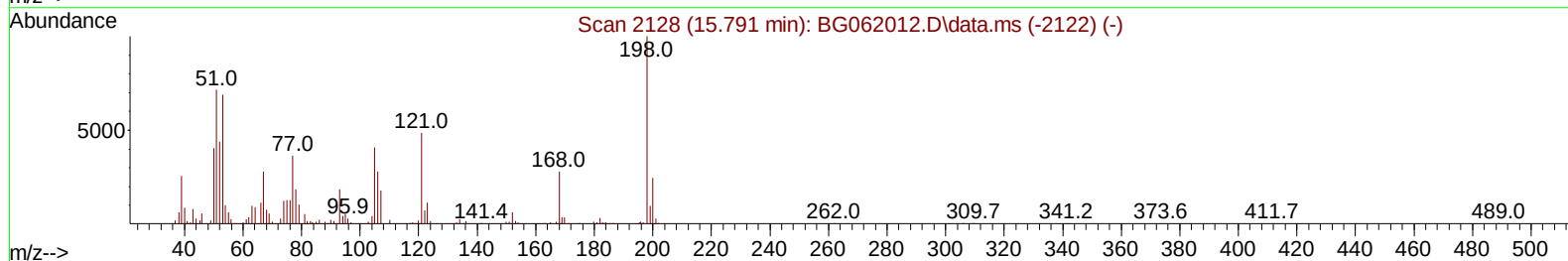
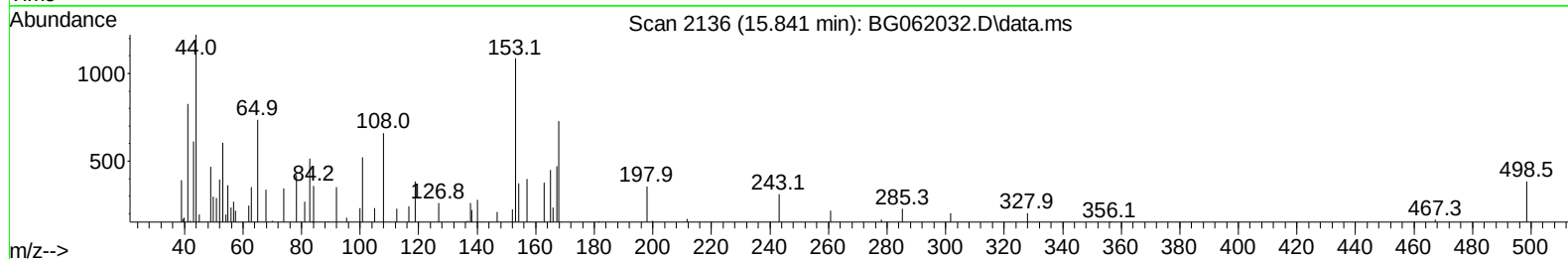
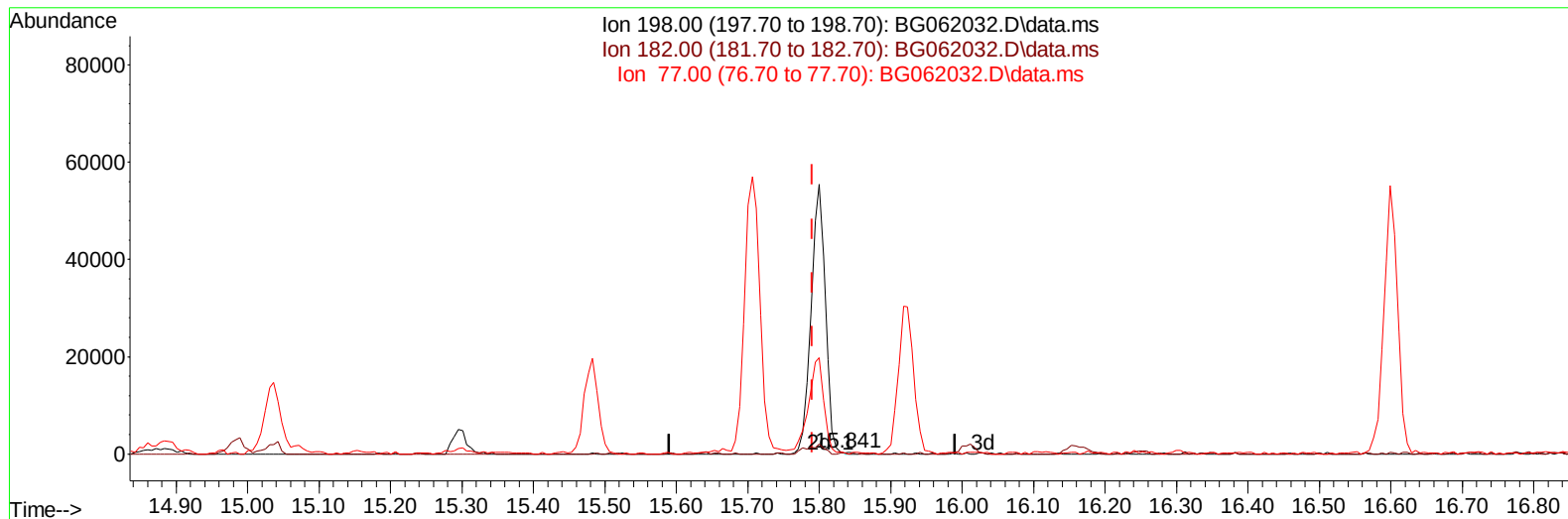
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.841min (+ 0.051) 0.09 ng/ul

response 194

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.50	0.00#
77.00	27.30	0.00#
0.00	0.00	0.00

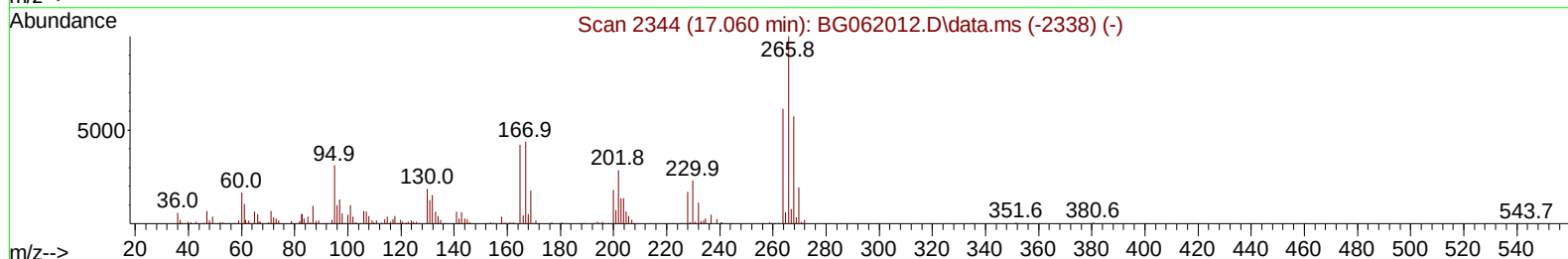
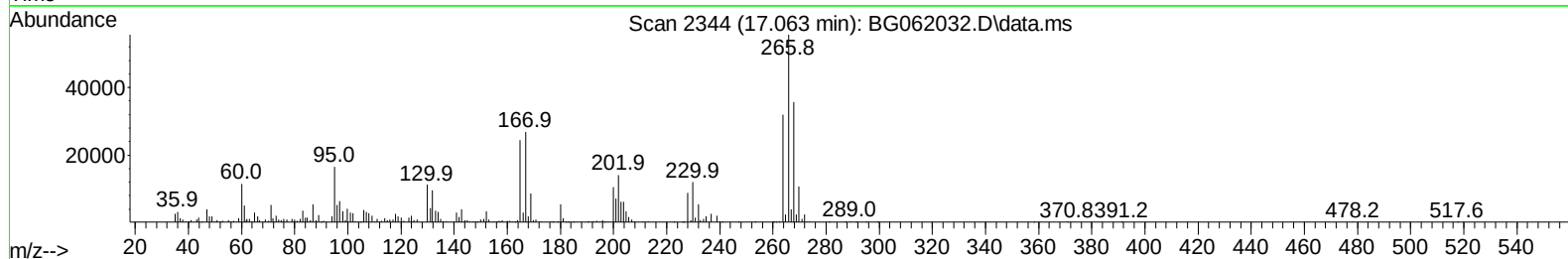
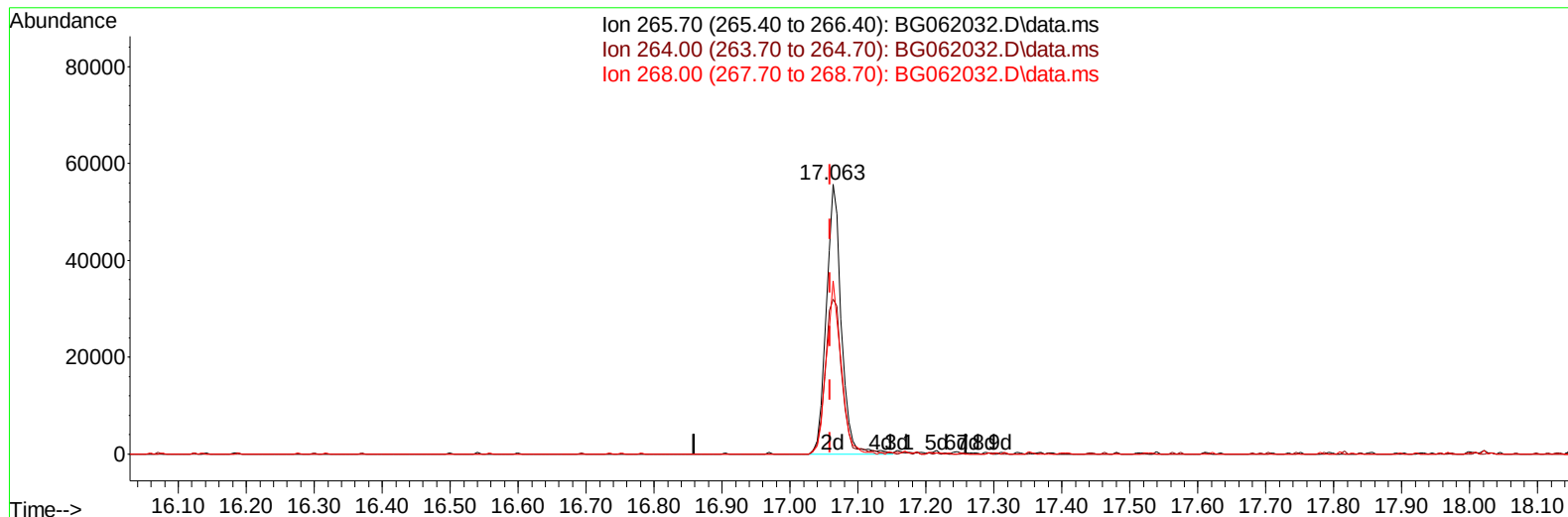
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
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Quant Title : SVOA CALIBRATION
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TIC: BG062032.D\data.ms

(71) Pentachlorophenol (C)

17.063min (+ 0.004) 32.86 ng/ul m

response 85714

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	56.30	57.43
268.00	63.10	64.15
0.00	0.00	0.00

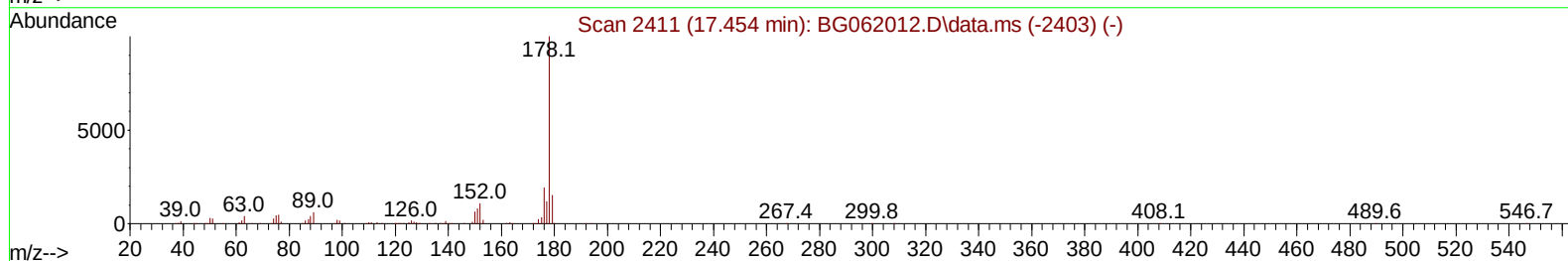
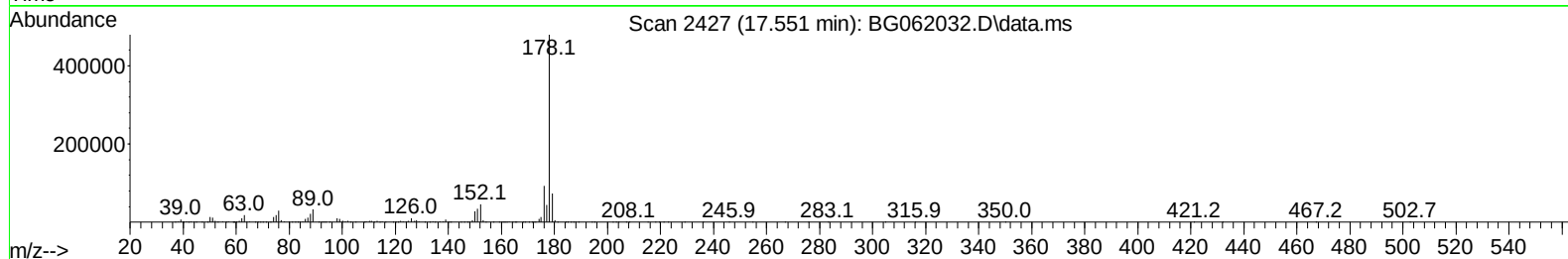
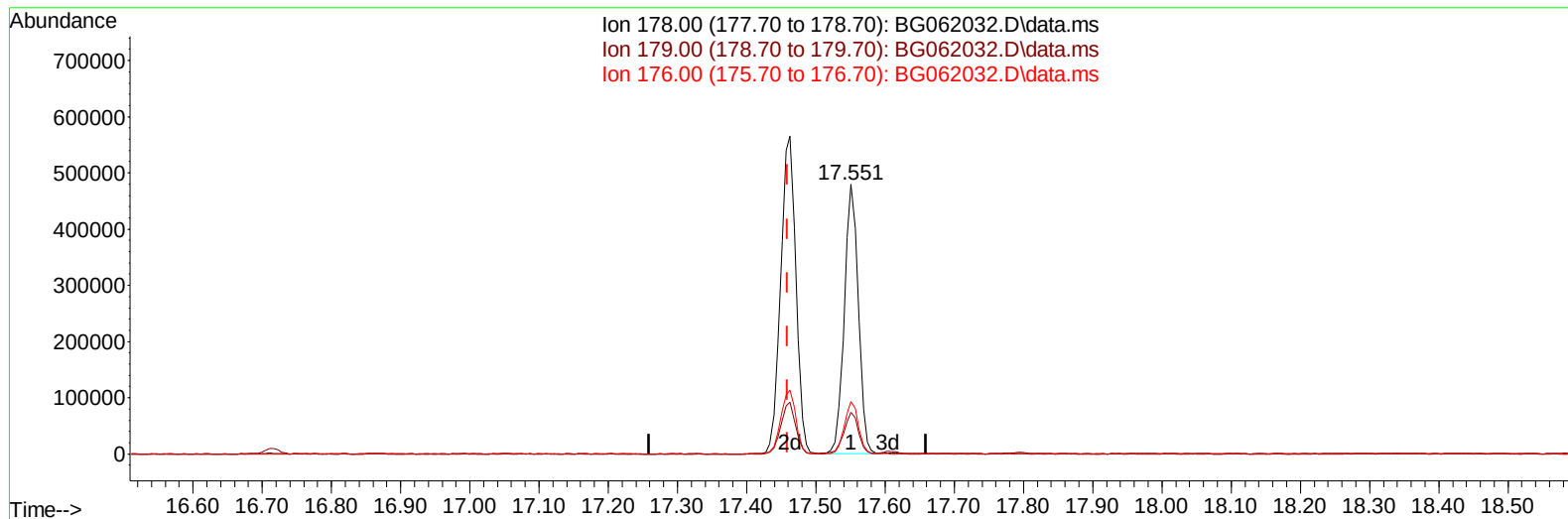
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
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TIC: BG062032.D\data.ms

(72) Phenanthrene

17.551min (+ 0.092) 35.20 ng/ul

response 675183

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	15.39
176.00	19.40	19.46
0.00	0.00	0.00

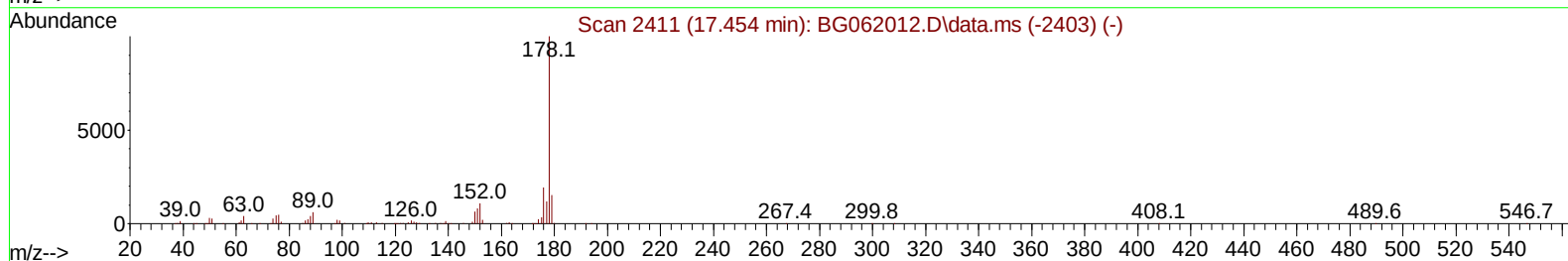
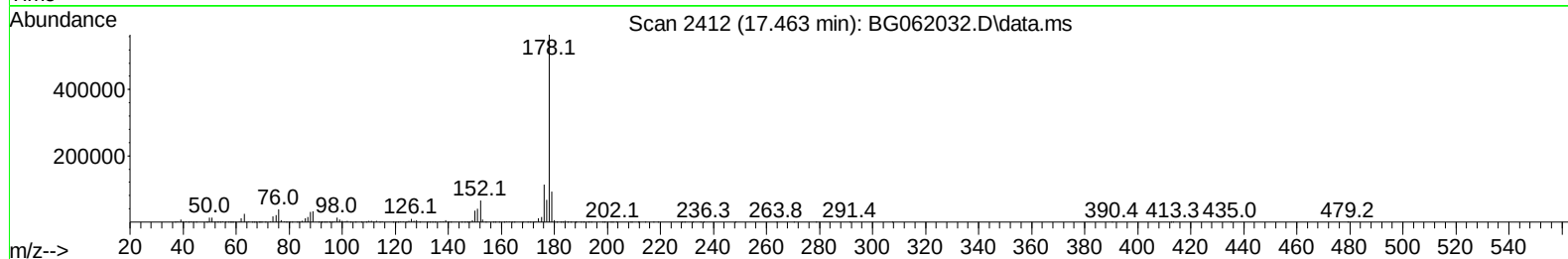
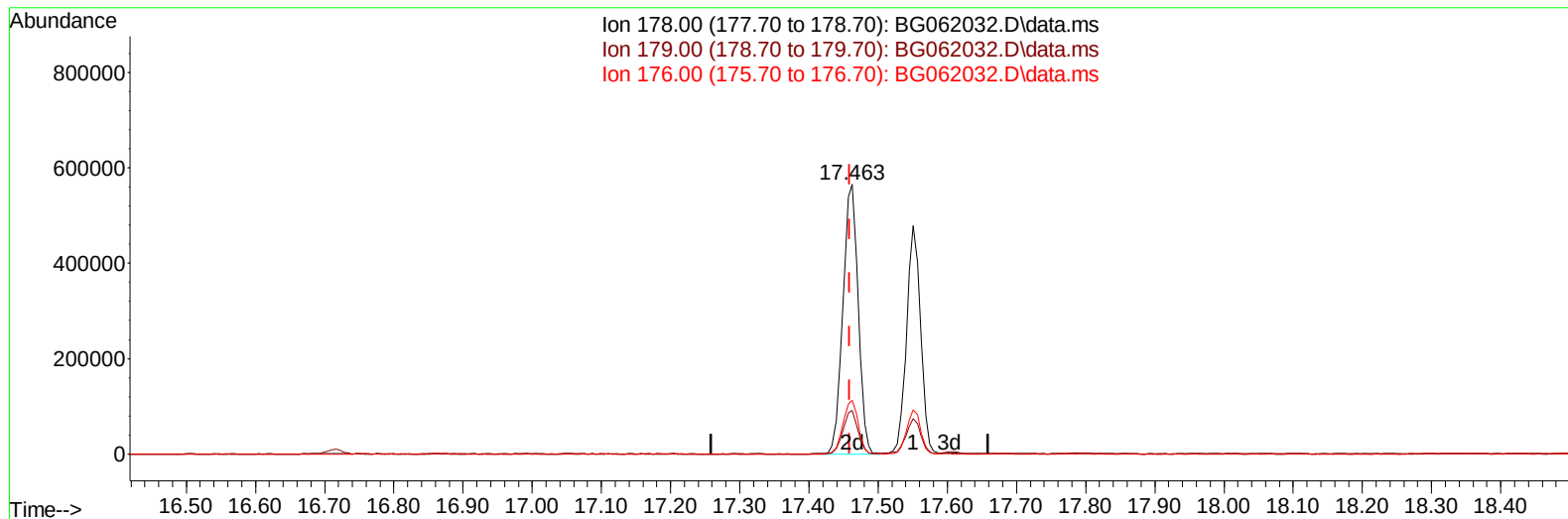
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(72) Phenanthrene

17.463min (+ 0.004) 45.24 ng/ul m

response 867758

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.90	16.22
176.00	19.40	20.06
0.00	0.00	0.00

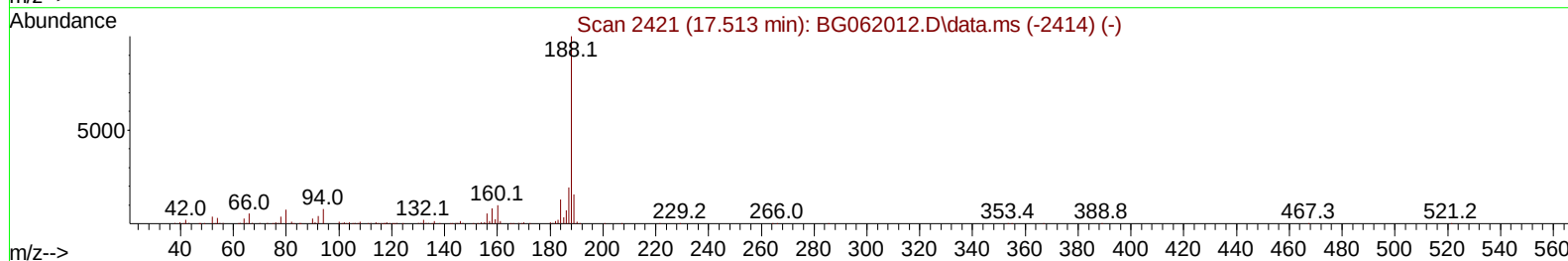
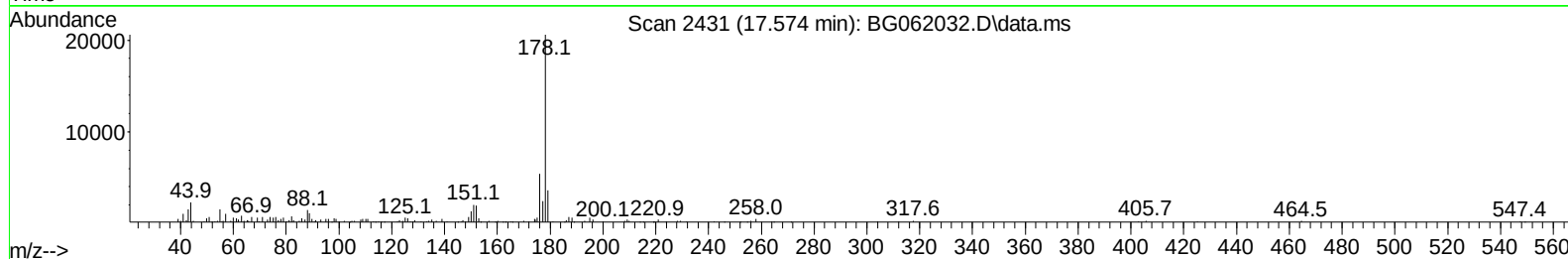
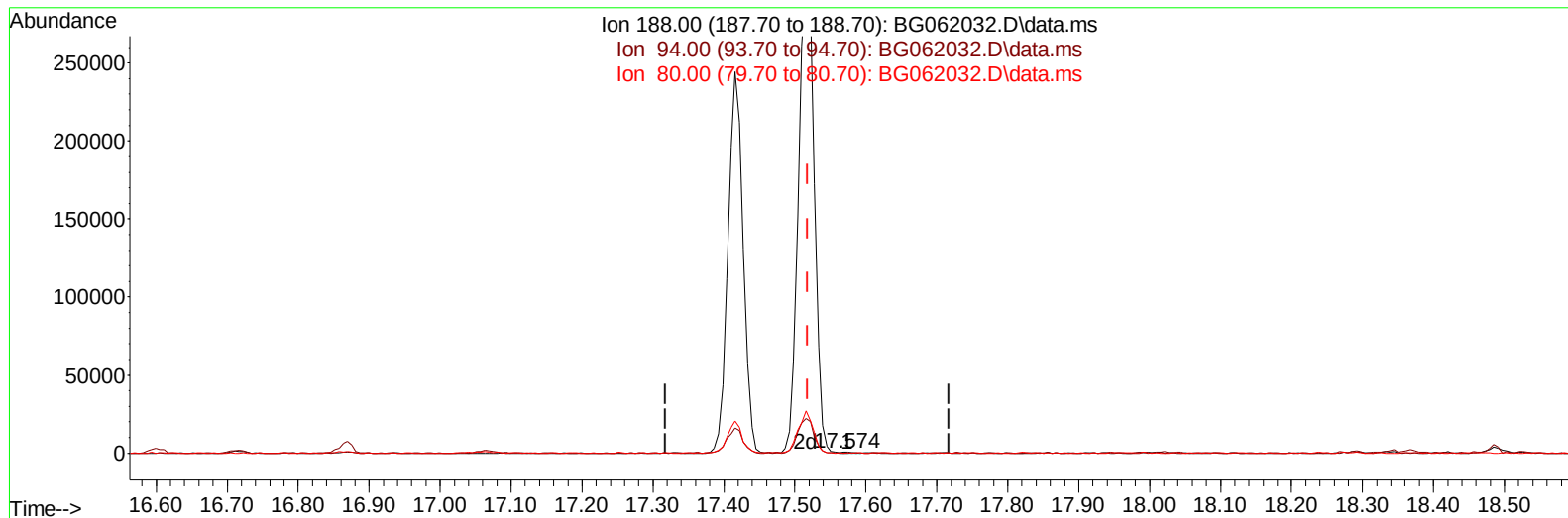
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(73) Anthracene-d10 (S)

17.574min (+ 0.057) 0.04 ng/u1

response 679

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.00	0.00#
80.00	9.40	35.84#
0.00	0.00	0.00

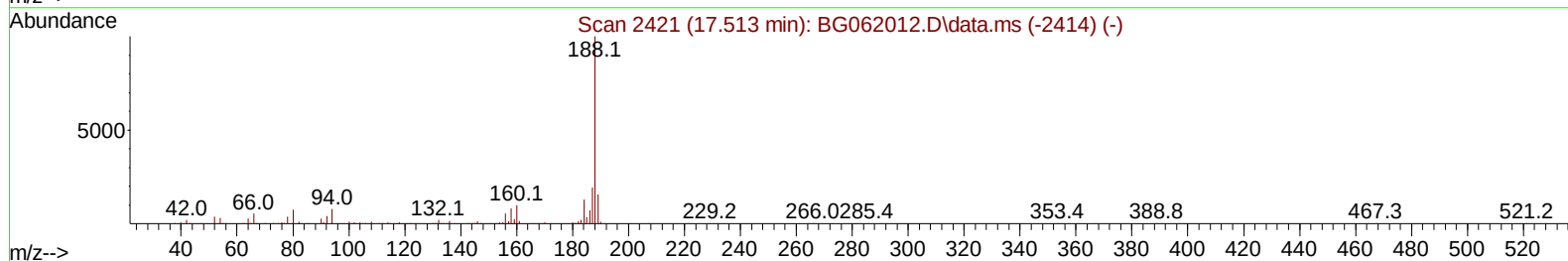
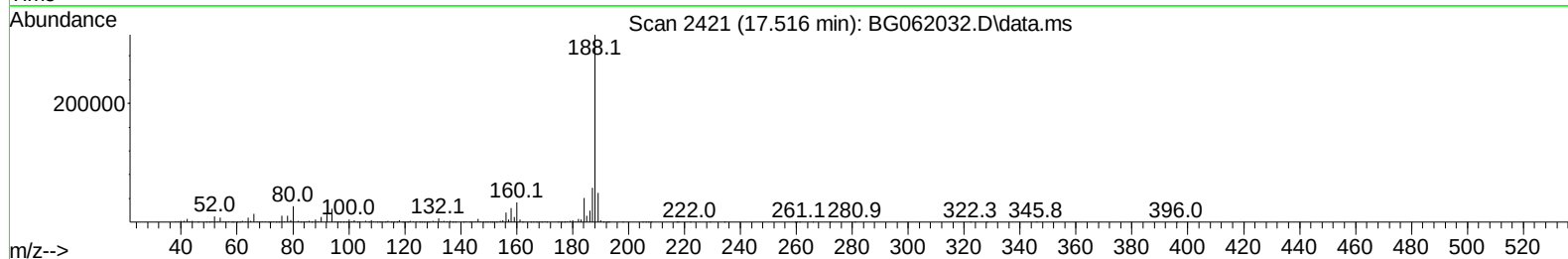
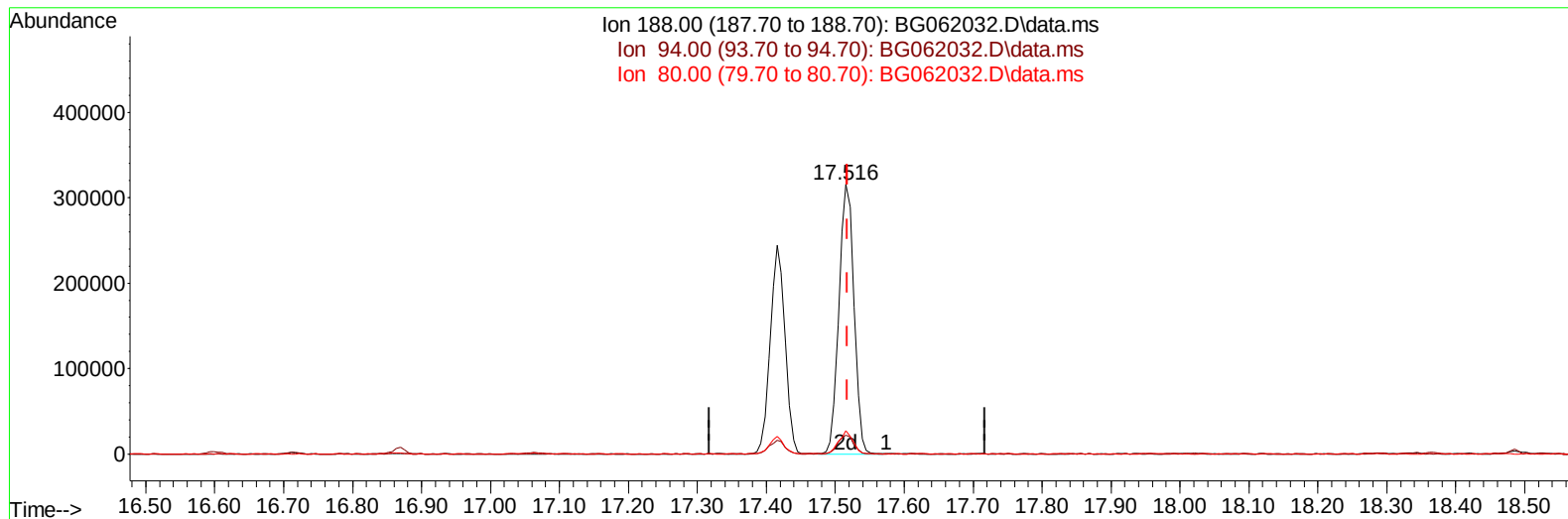
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(73) Anthracene-d10 (S)

17.516min (-0.002) 28.18 ng/ul m

response 478576

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.00	7.02#
80.00	9.40	8.64
0.00	0.00	0.00

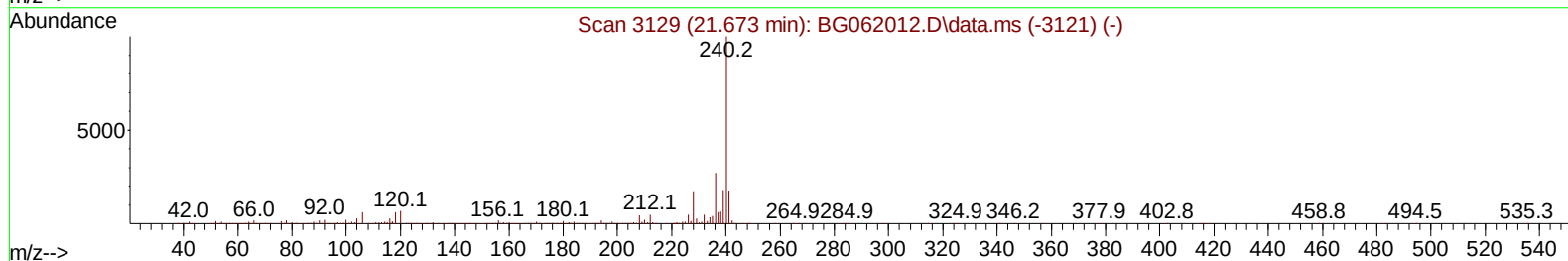
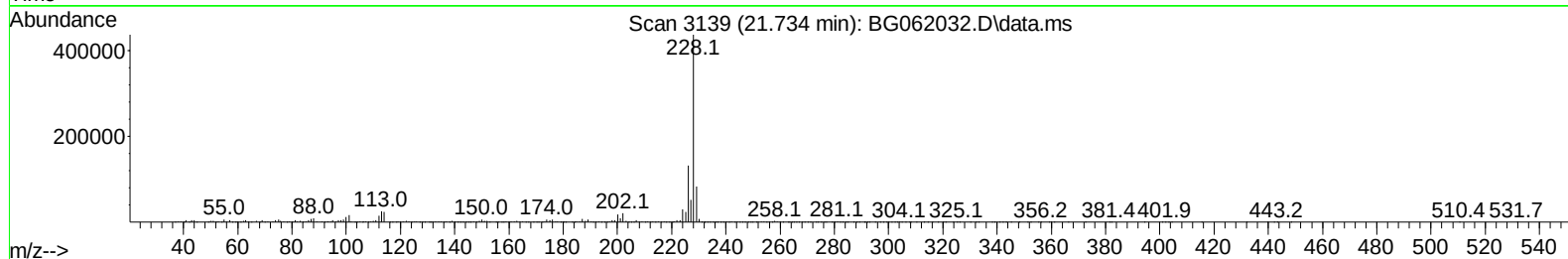
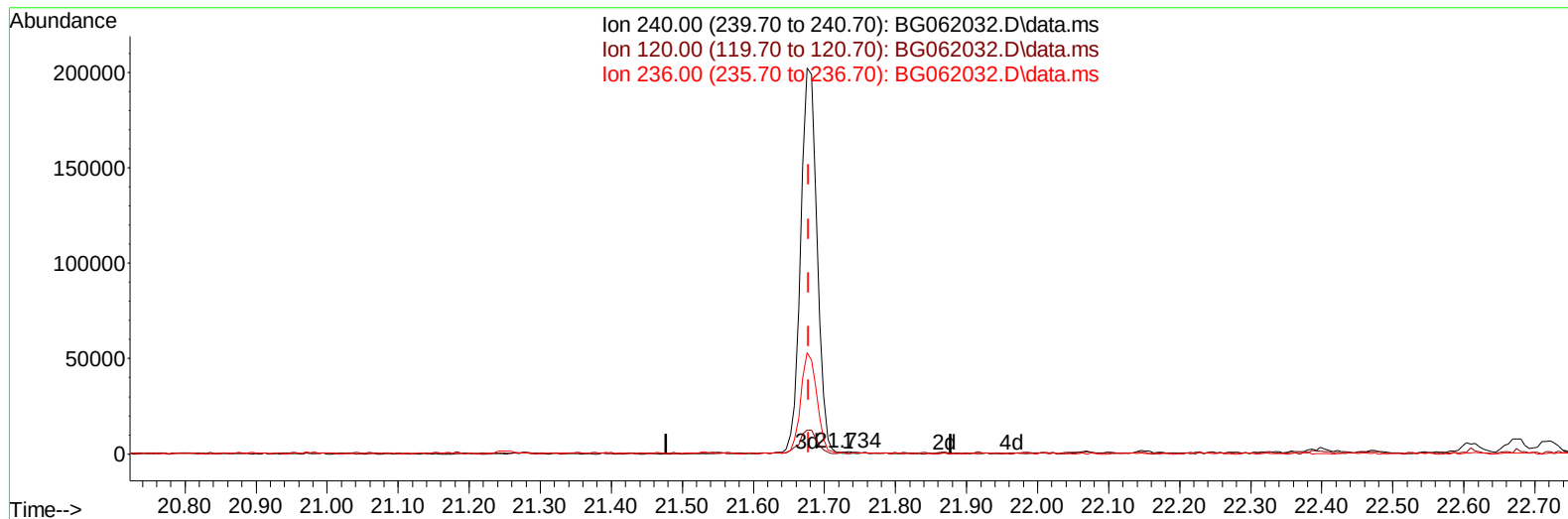
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(79) Chrysene-d12 (I)

21.734min (+ 0.057) 20.00 ng/ul

response 913

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	8.40	27.21#
236.00	25.80	23.18
0.00	0.00	0.00

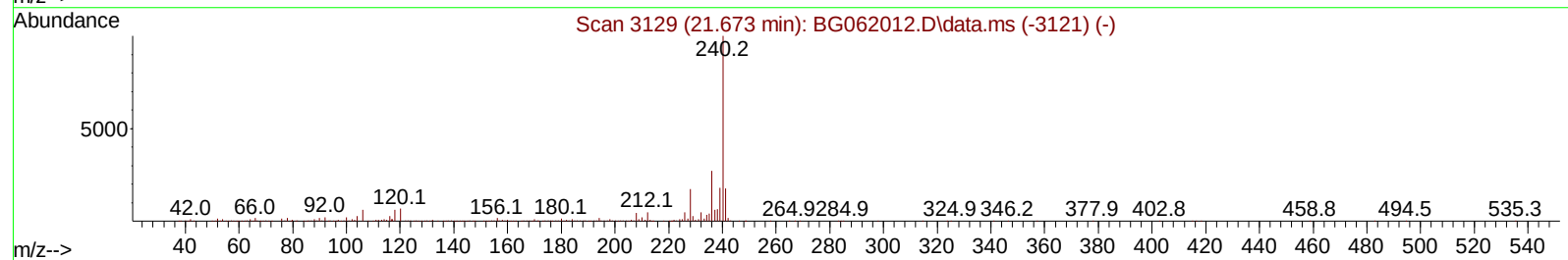
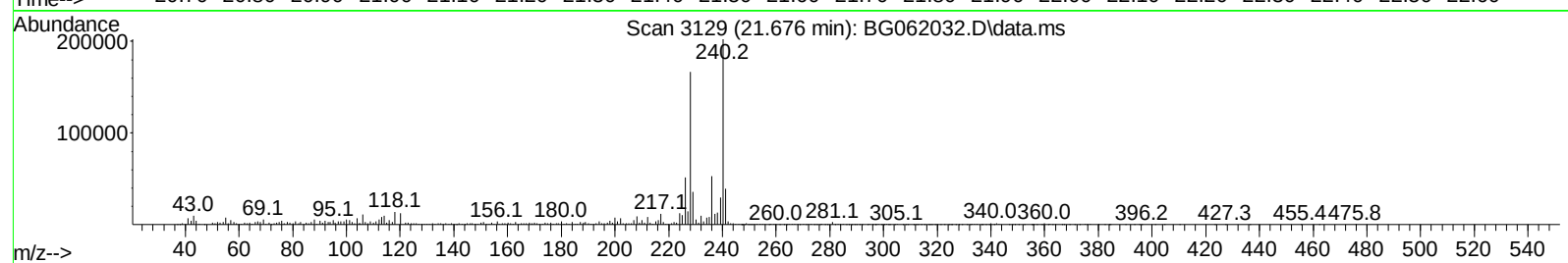
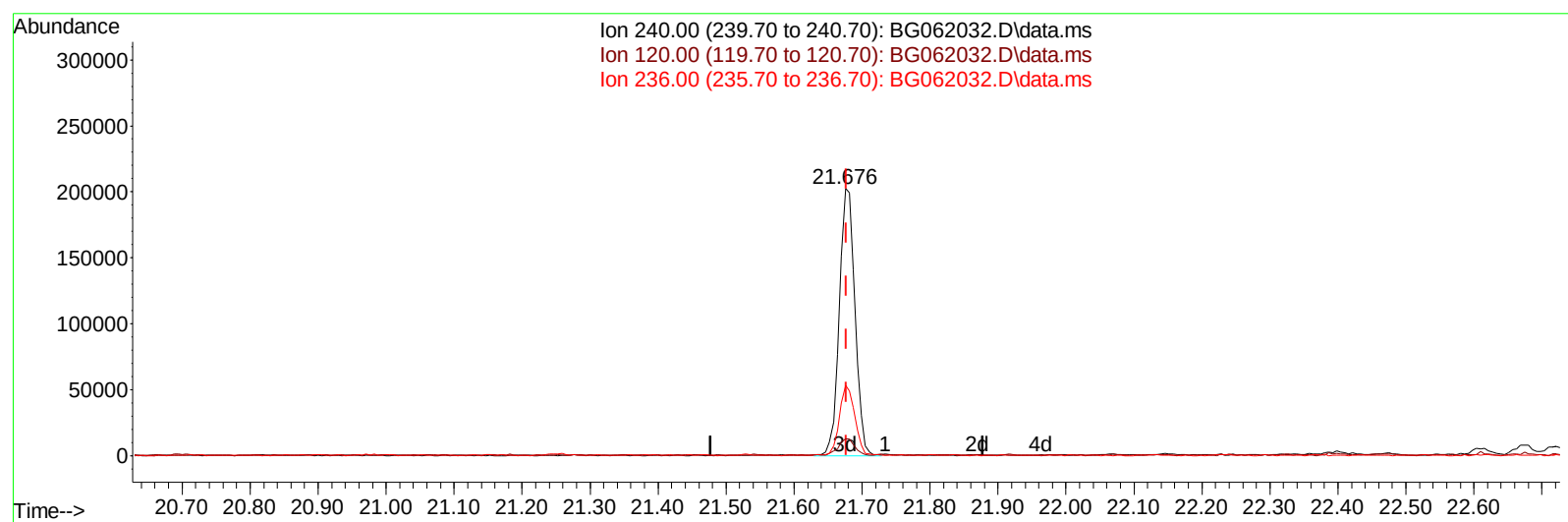
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:13:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(79) Chrysene-d12 (I)

21.676min (-0.002) 20.00 ng/ul m

response 325150

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	8.40	6.25#
236.00	25.80	26.28
0.00	0.00	0.00

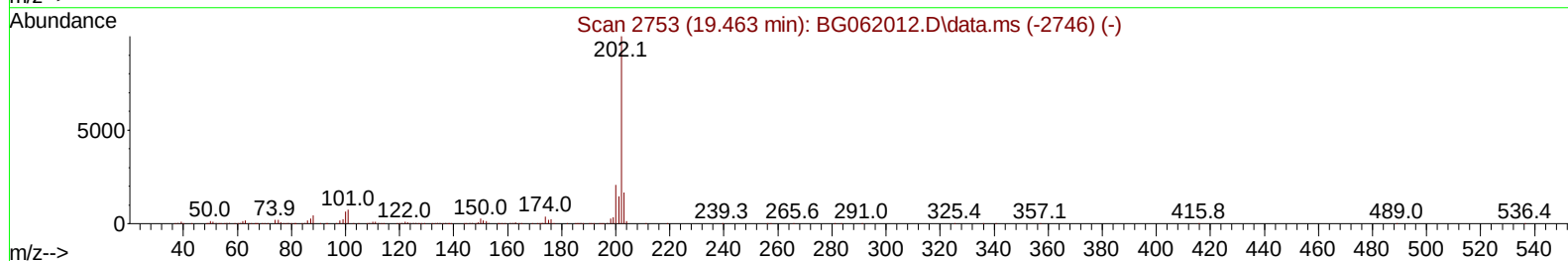
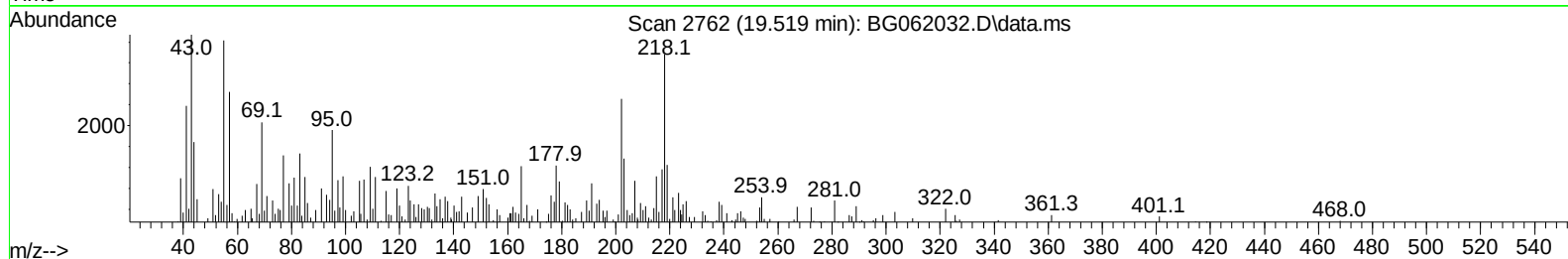
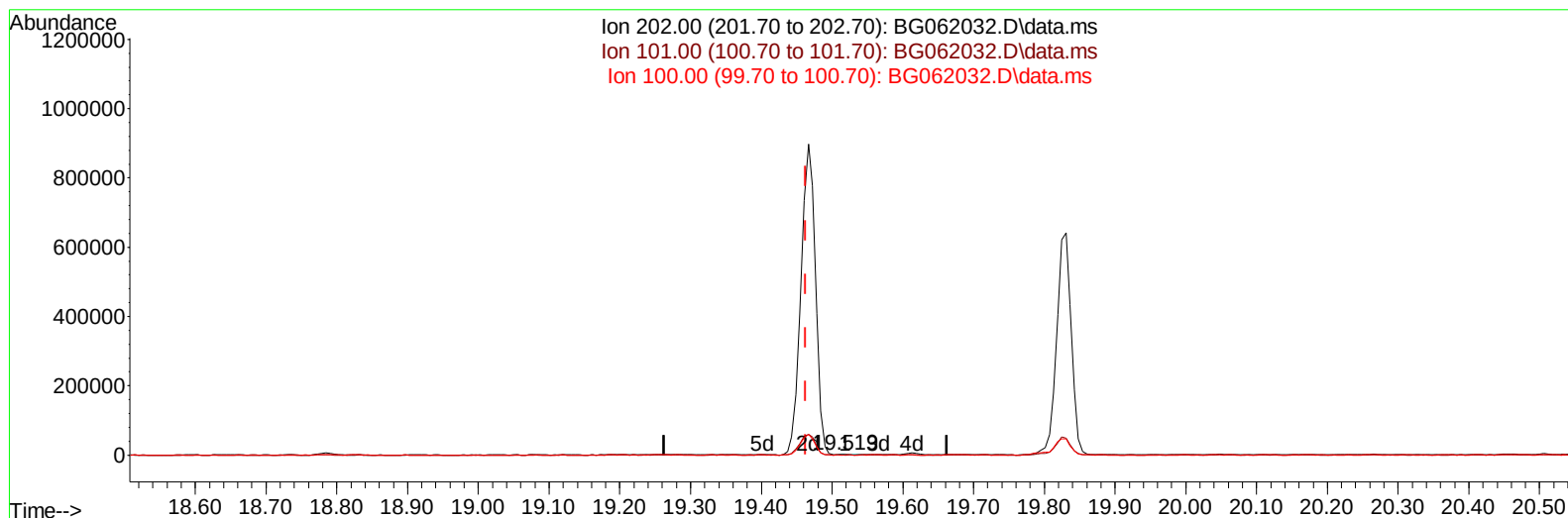
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(80) Fluoranthene

19.519min (+ 0.057) 0.11 ng/u1

response 2444

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.30	0.00#
100.00	8.30	15.11#
0.00	0.00	0.00

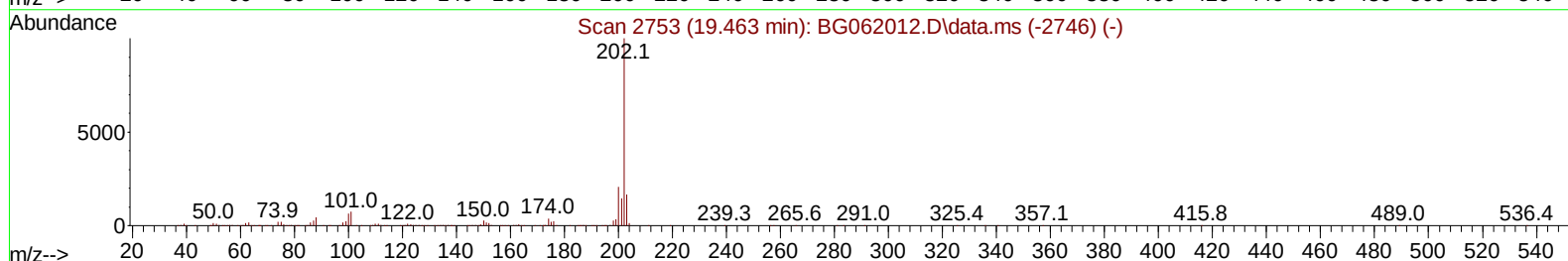
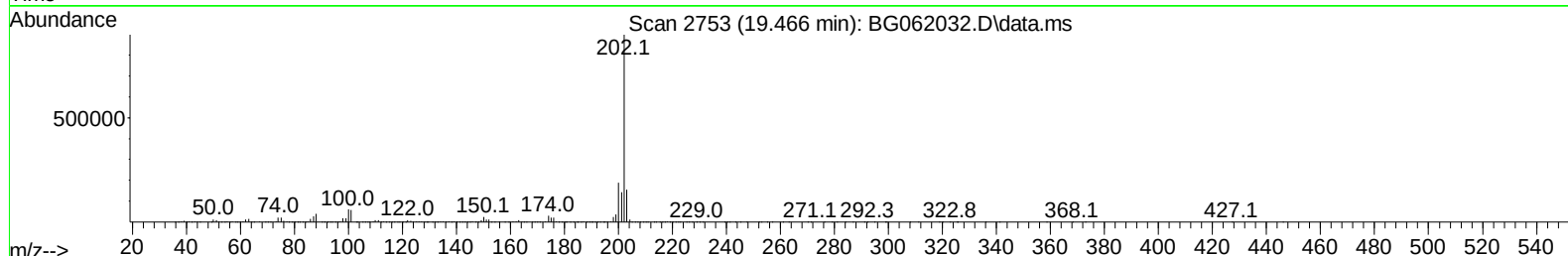
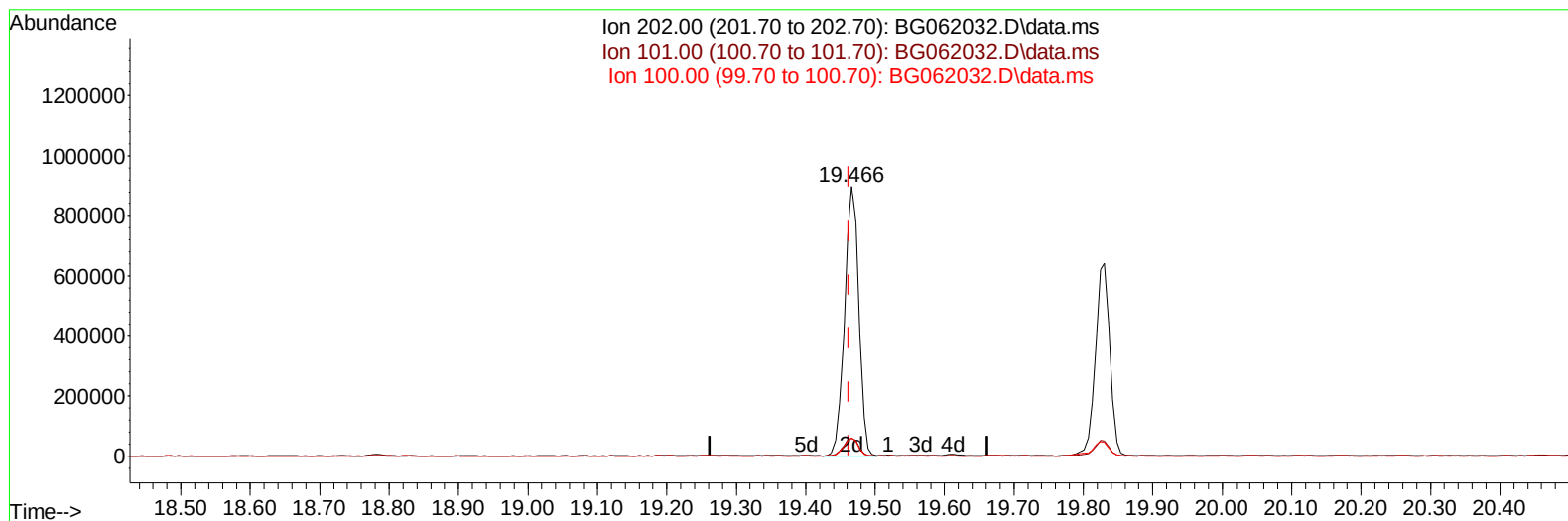
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(80) Fluoranthene

19.466min (+ 0.004) 56.42 ng/ul m

response 1277061

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.30	6.61#
100.00	8.30	6.67
0.00	0.00	0.00

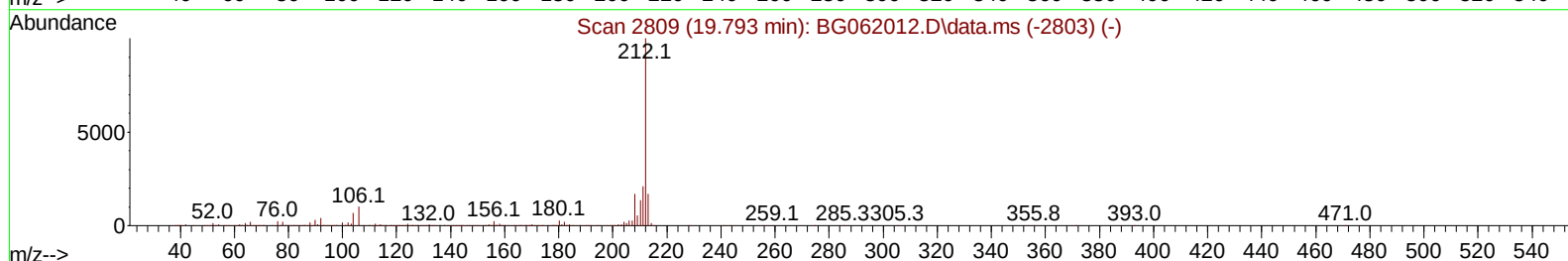
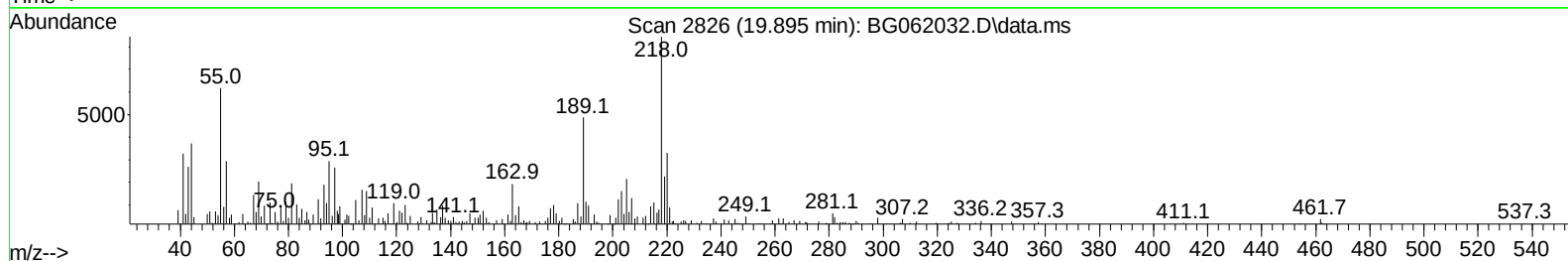
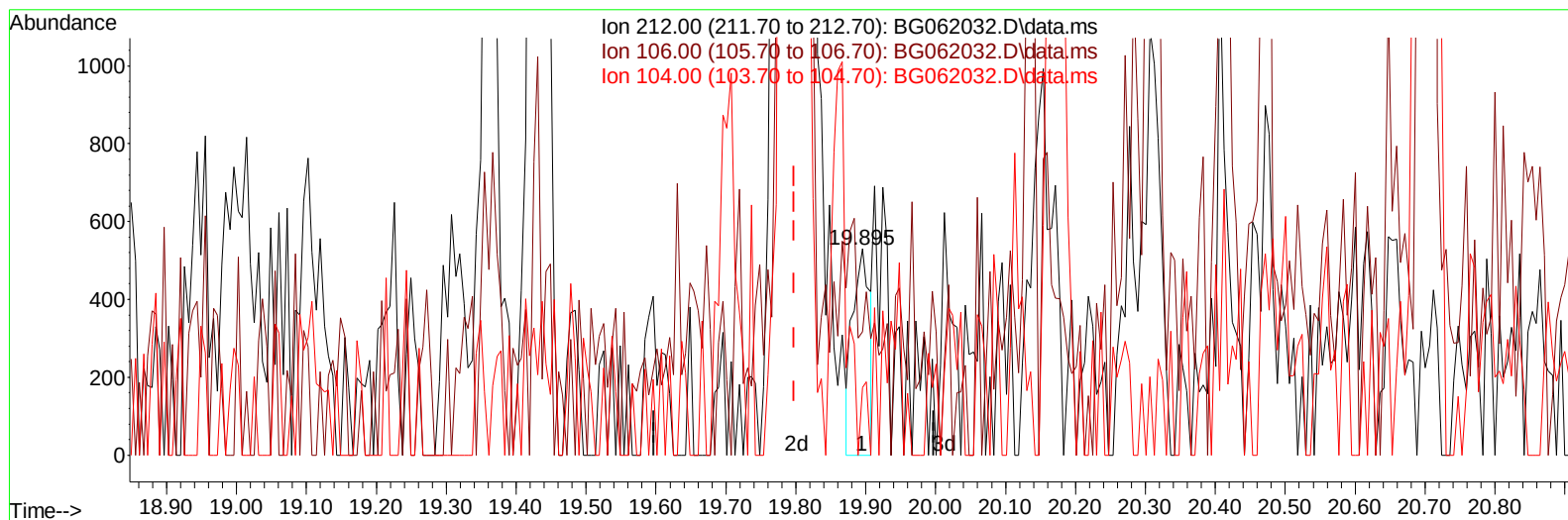
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(81) Pyrene-d10 (S)

19.895min (+ 0.098) 0.05 ng/ul

response 900

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	10.30	59.81#
104.00	7.70	32.64#
0.00	0.00	0.00

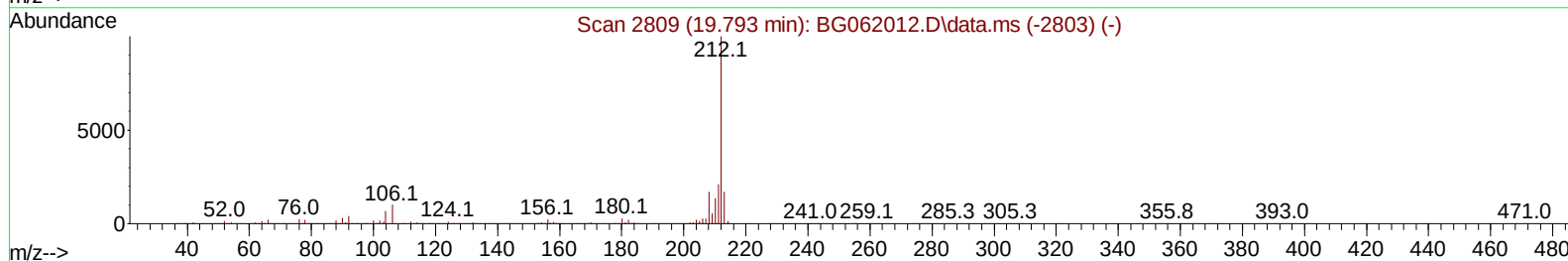
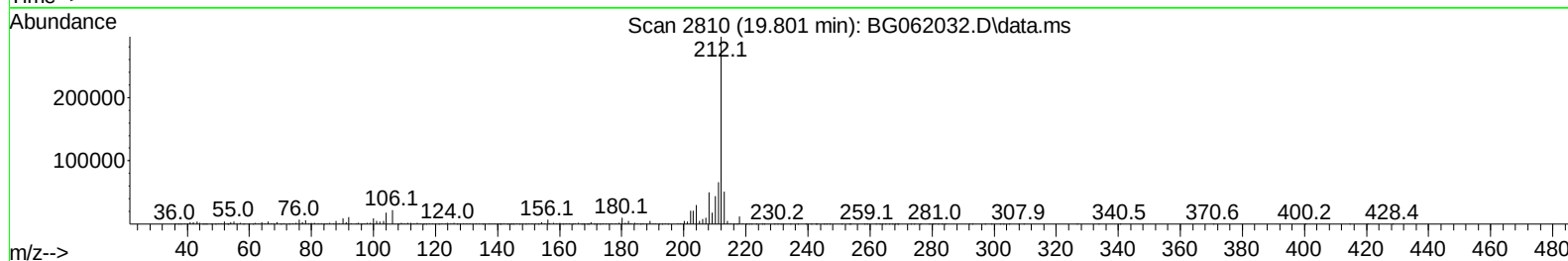
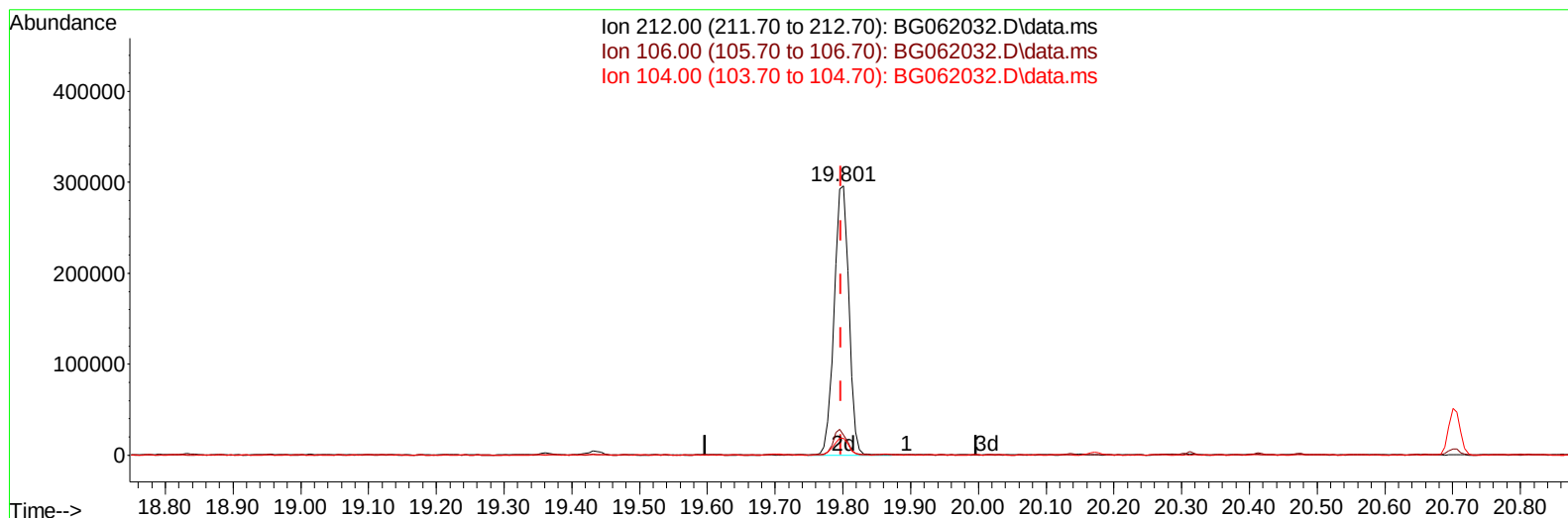
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(81) Pyrene-d10 (S)

19.801min (+ 0.004) 23.47 ng/ul m

response 448860

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	10.30	7.37#
104.00	7.70	6.28
0.00	0.00	0.00

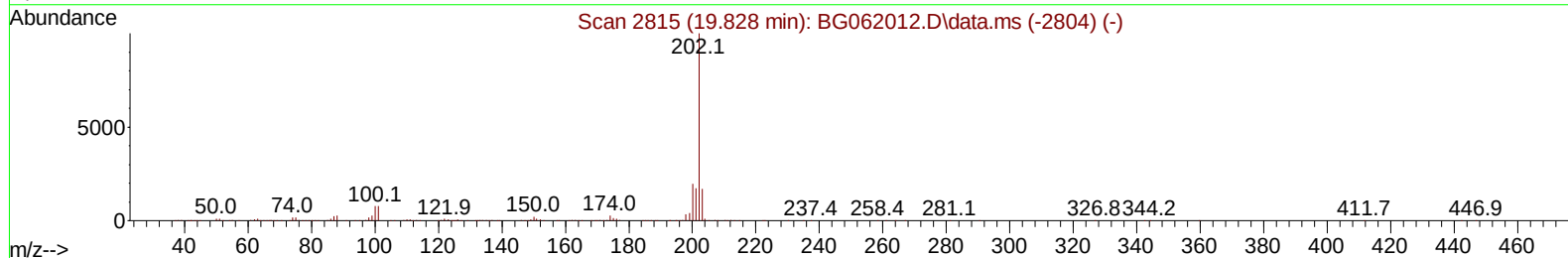
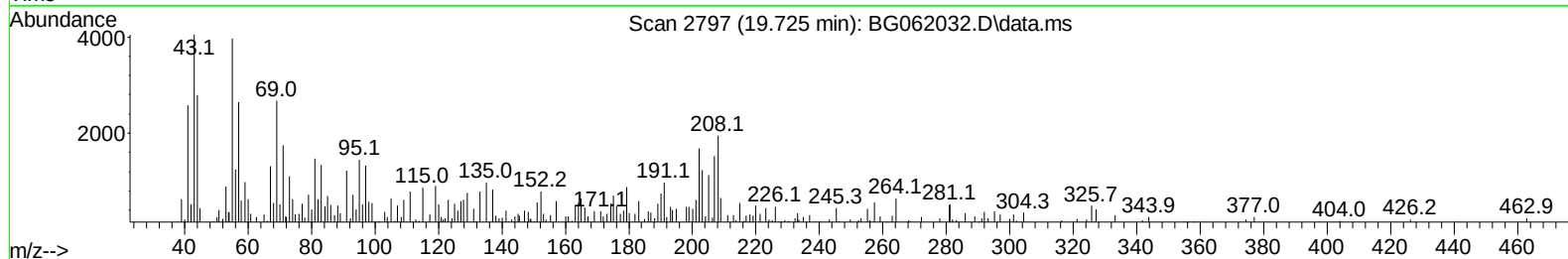
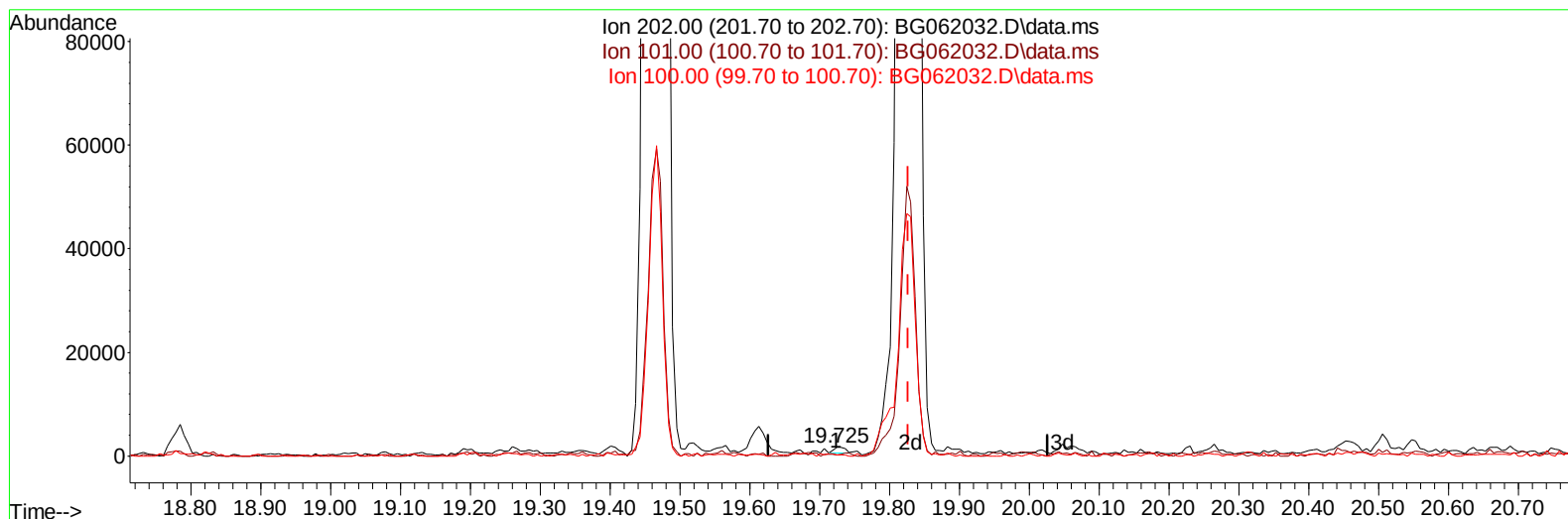
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(82) Pyrene

19.725min (-0.102) 0.05 ng/u1

response 1240

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	8.97
100.00	9.50	9.80
0.00	0.00	0.00

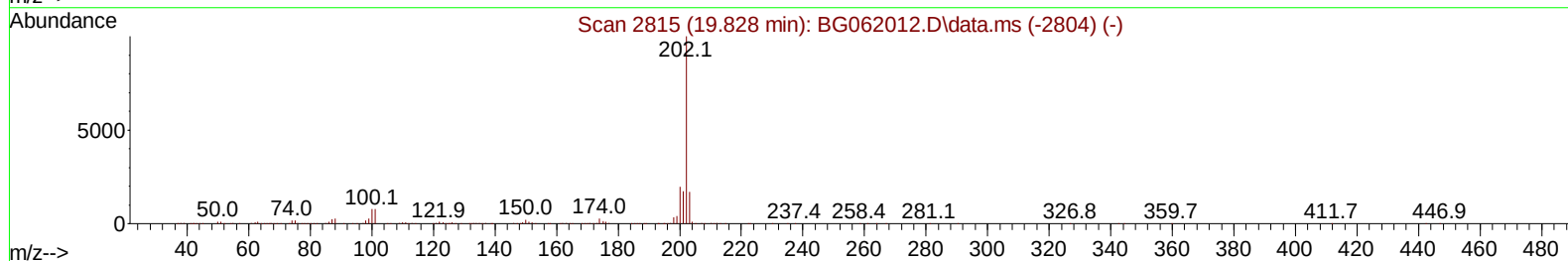
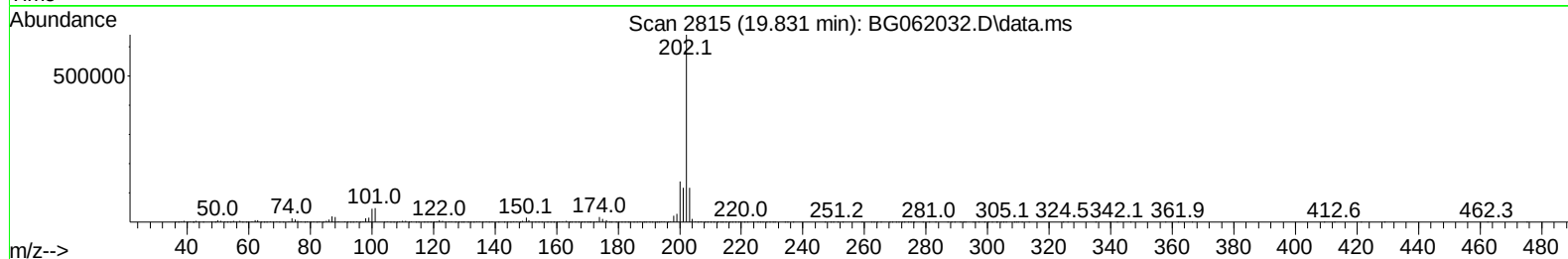
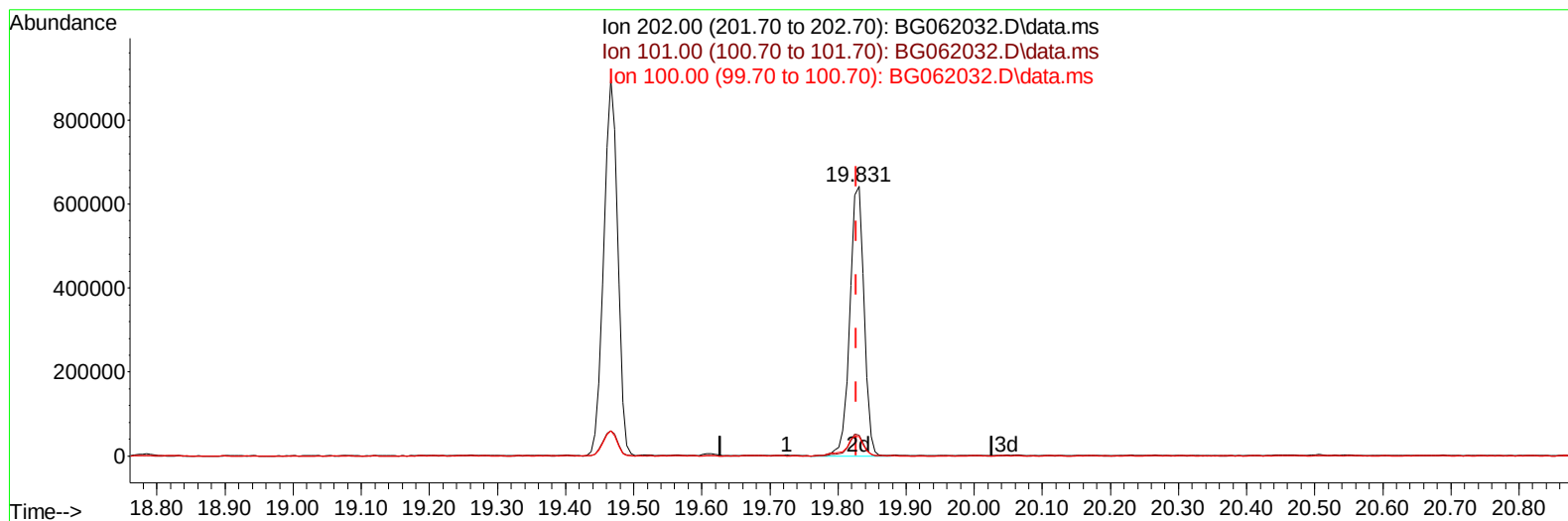
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration



TIC: BG062032.D\data.ms

(82) Pyrene

19.831min (+ 0.004) 39.79 ng/ul m

response 930330

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.00	7.64#
100.00	9.50	7.19#
0.00	0.00	0.00

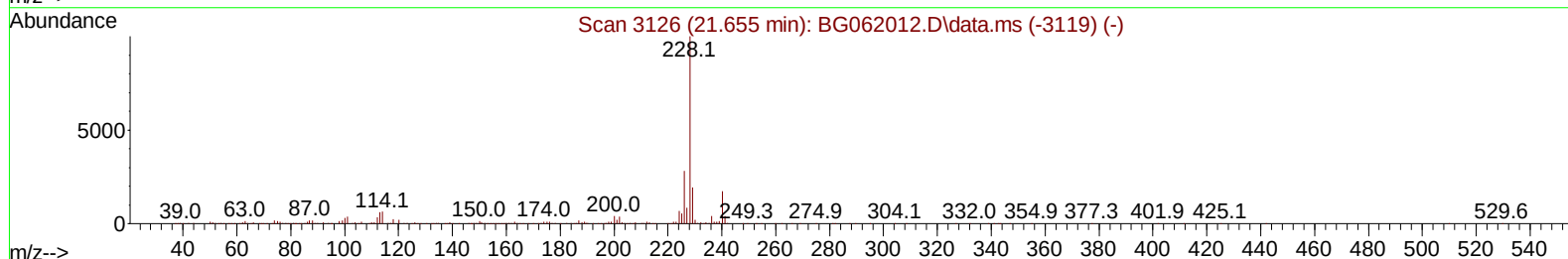
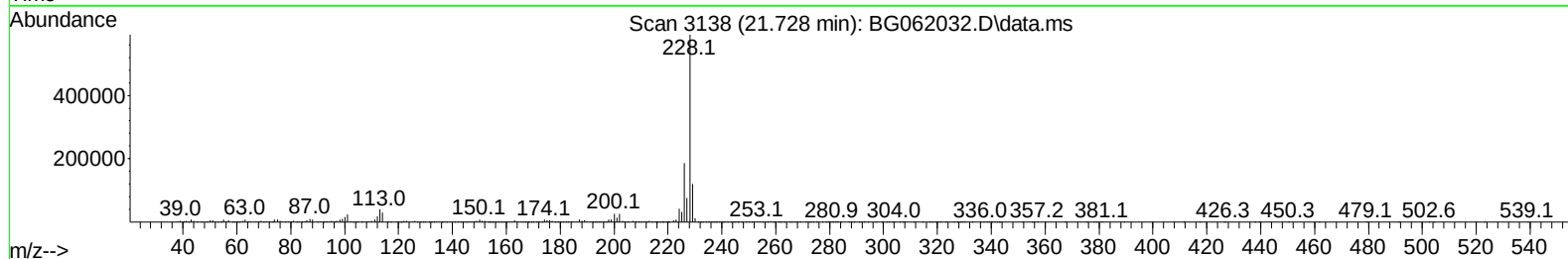
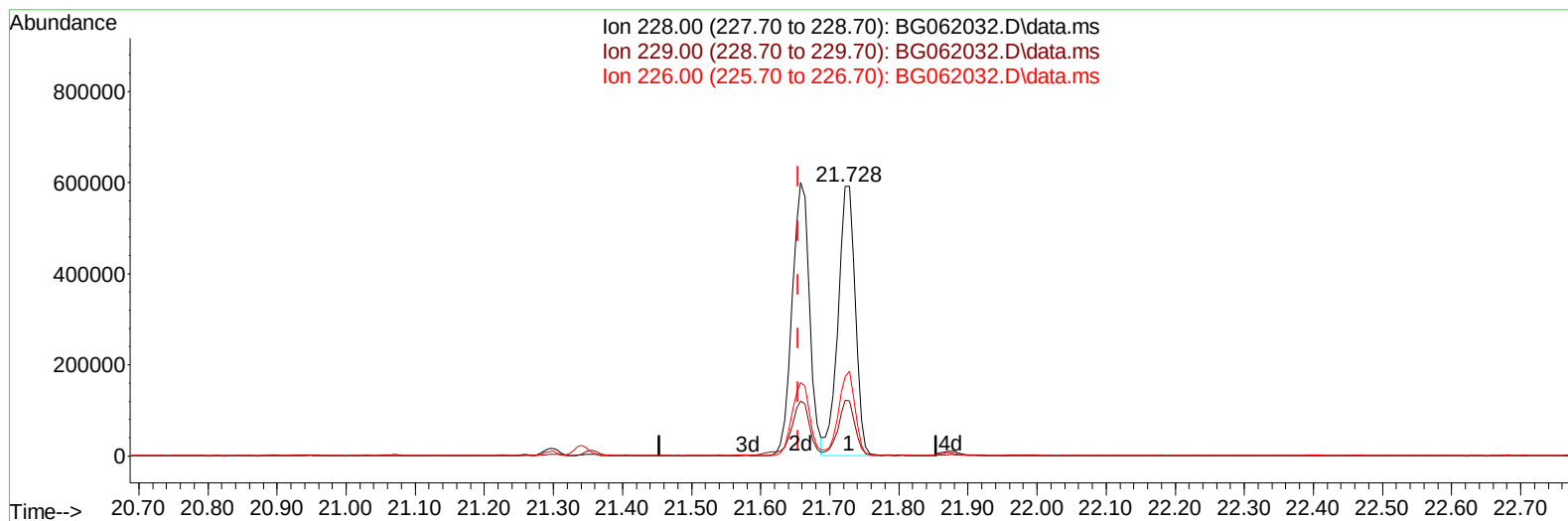
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(85) Benzo(a)anthracene

21.728min (+ 0.074) 43.23 ng/ul

response 1017704

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.40
226.00	27.10	31.41
0.00	0.00	0.00

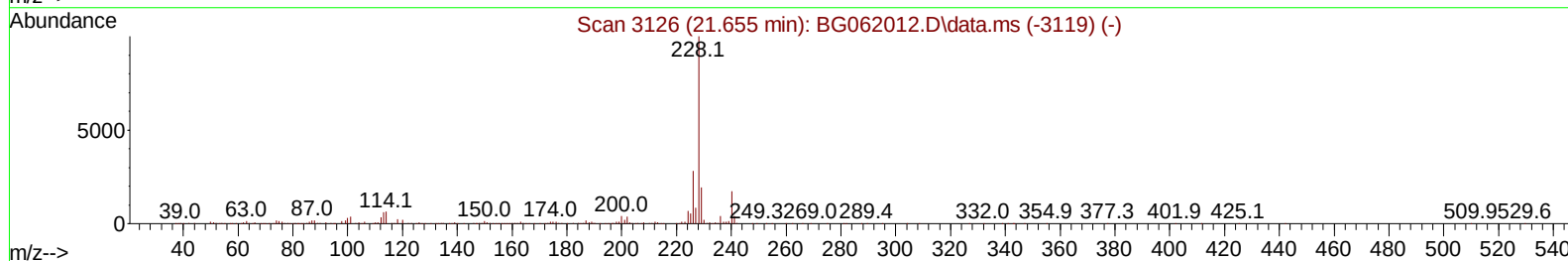
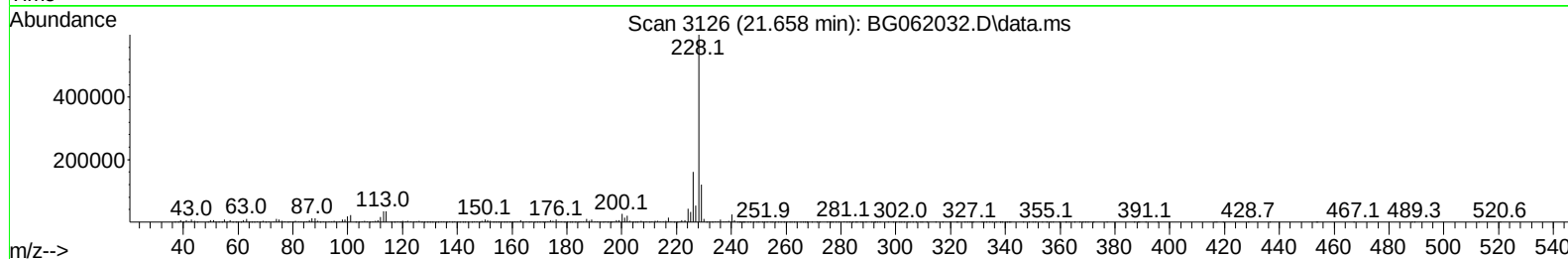
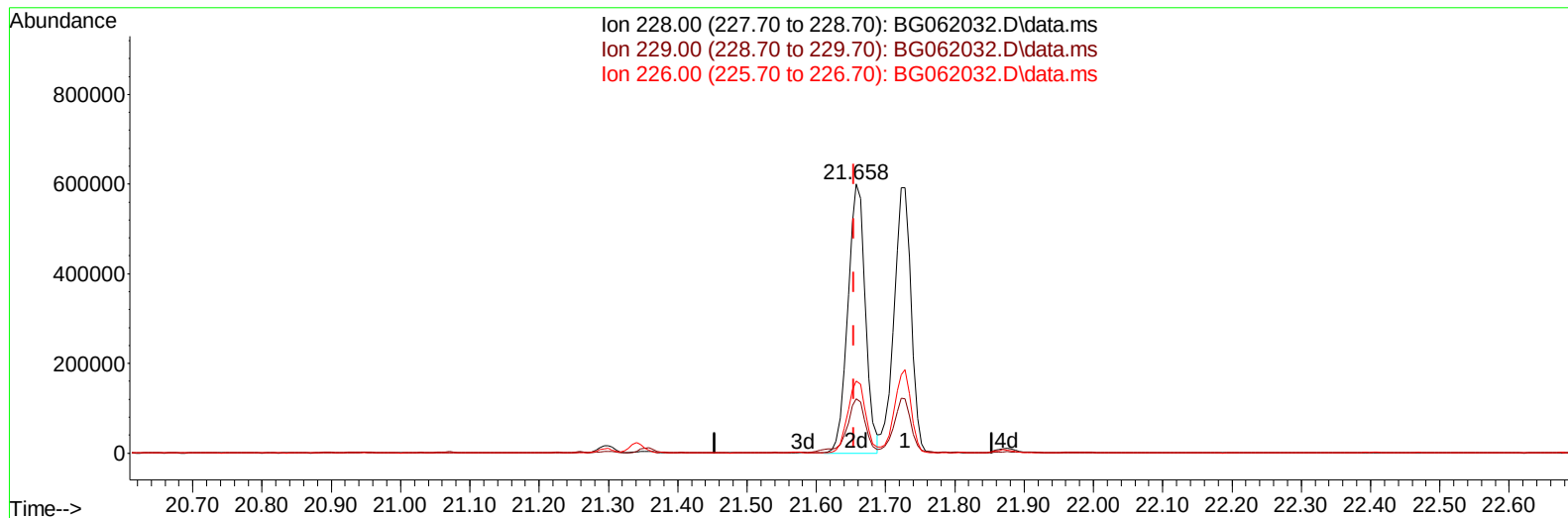
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(85) Benzo(a)anthracene

21.658min (+ 0.004) 44.60 ng/ul m

response 1049898

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.20
226.00	27.10	26.75
0.00	0.00	0.00

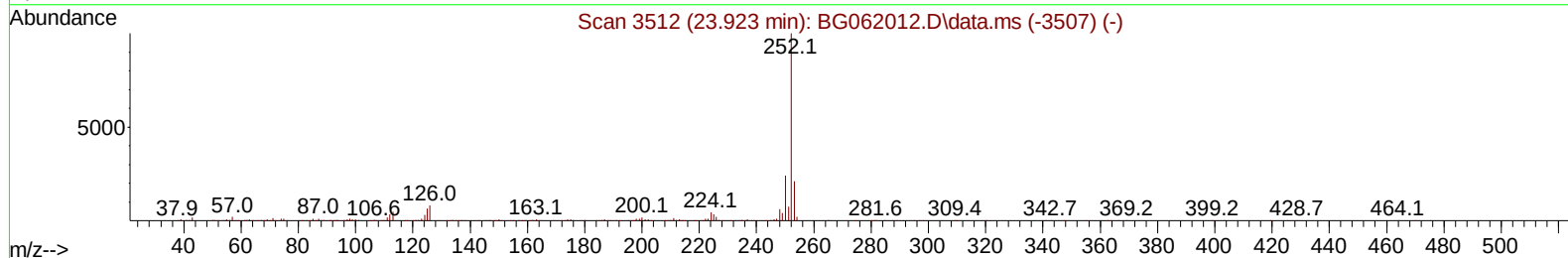
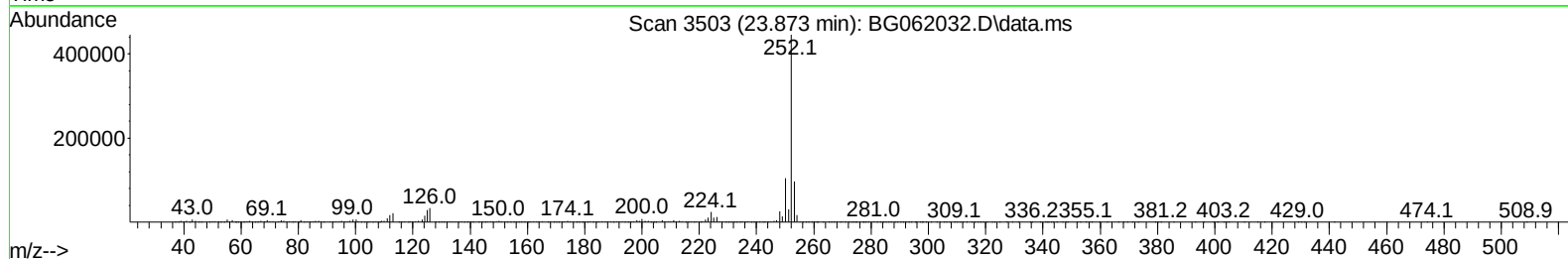
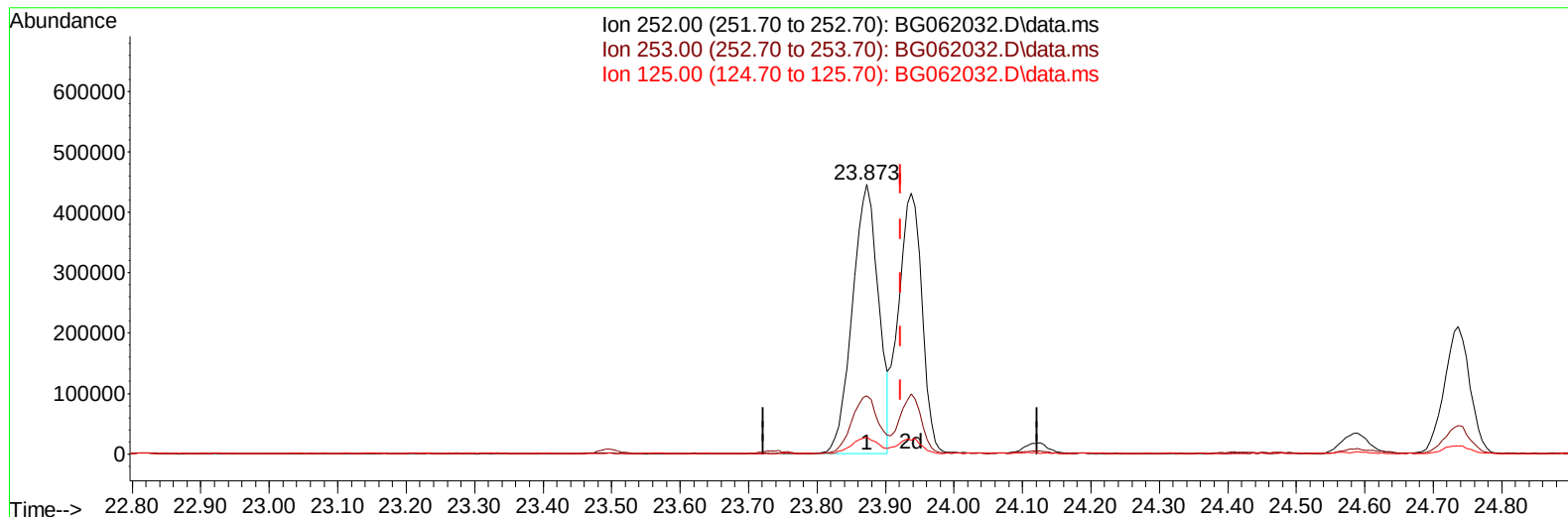
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(91) Benzo(k)fluoranthene

23.873min (-0.049) 48.48 ng/u1

response 1181351

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.67
125.00	7.90	6.35
0.00	0.00	0.00

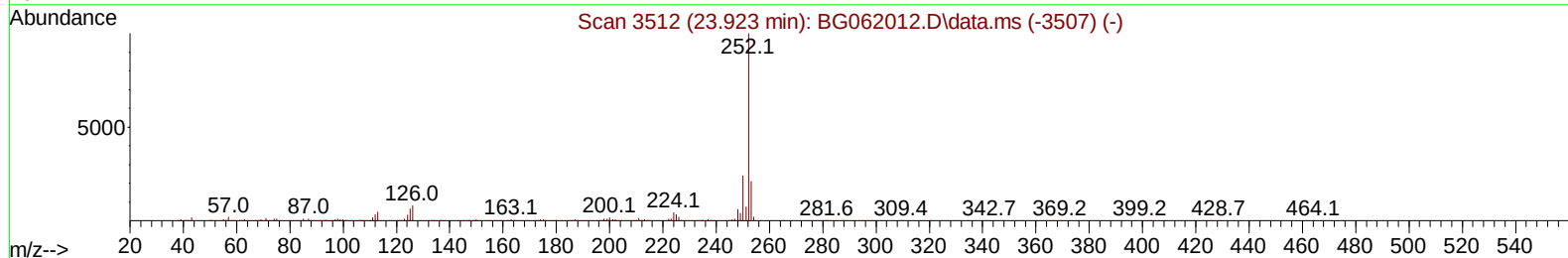
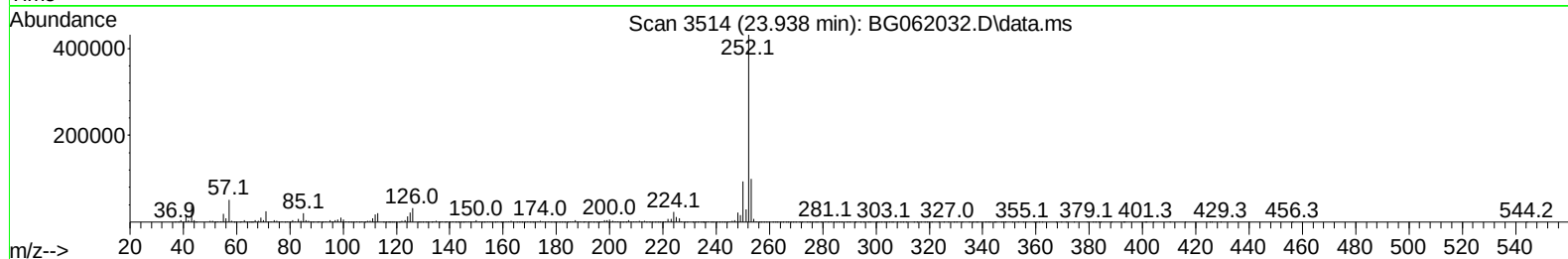
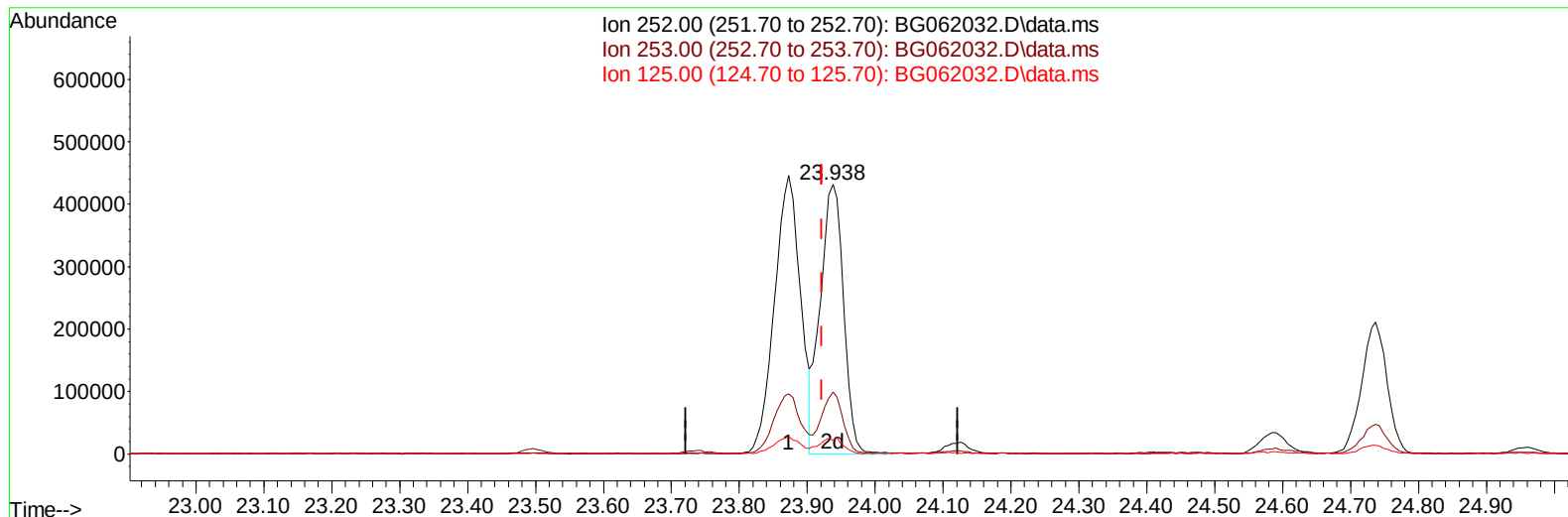
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(91) Benzo(k)fluoranthene

23.938min (+ 0.016) 42.34 ng/ul m

response 1031712

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	22.94
125.00	7.90	5.16#
0.00	0.00	0.00

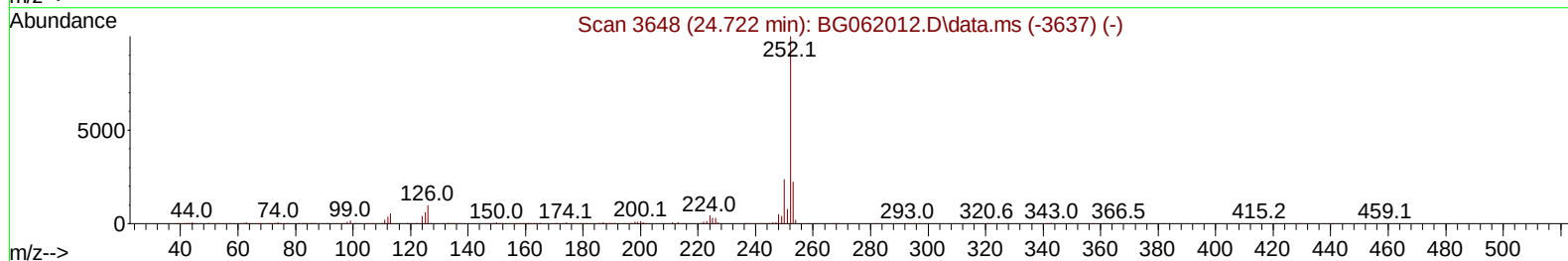
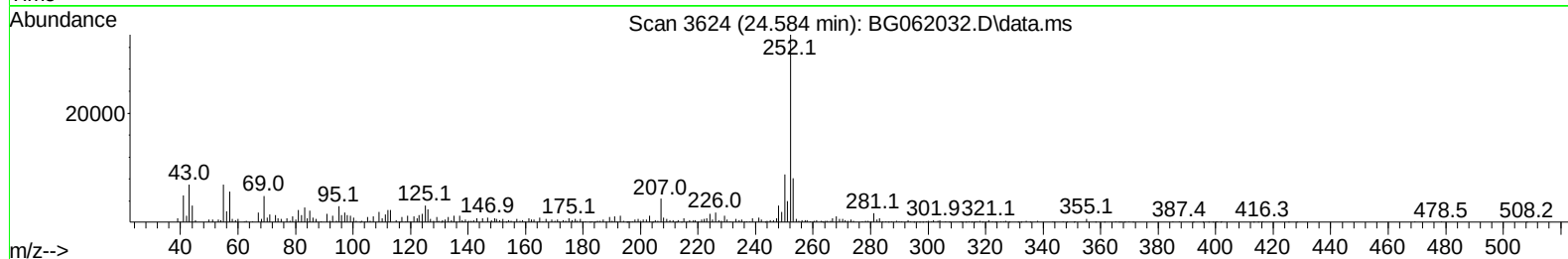
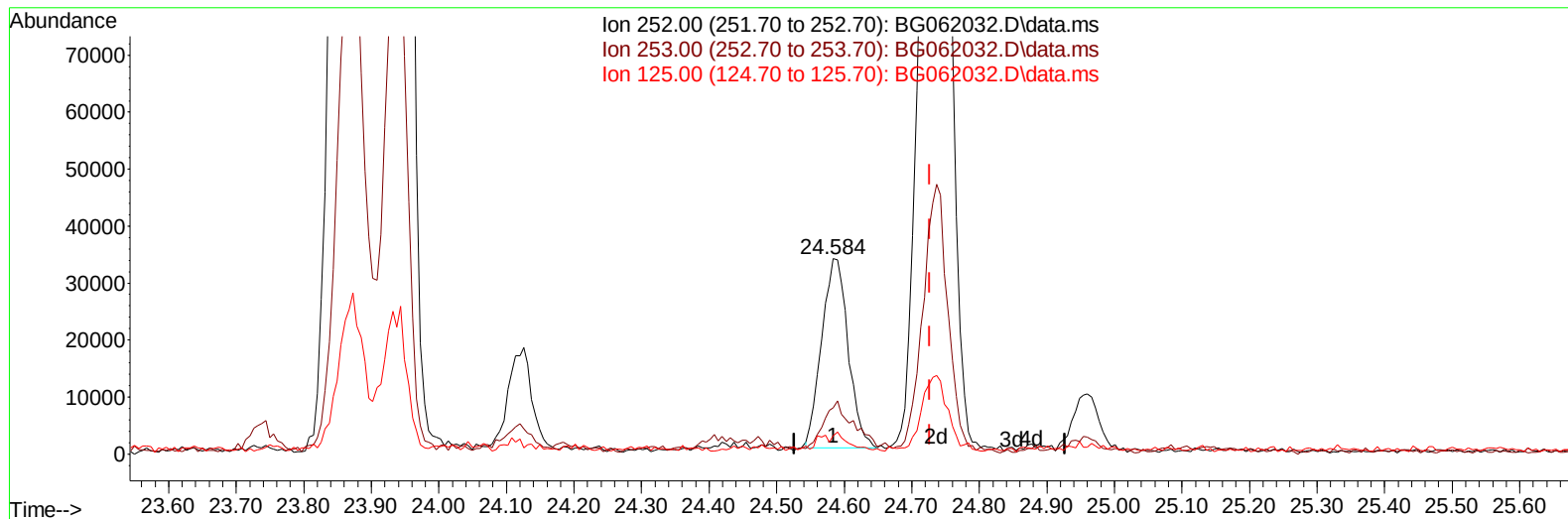
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(93) Benzo(a)pyrene (C)

24.584min (-0.143) 3.90 ng/u1

response 90268

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	23.64
125.00	9.30	9.37
0.00	0.00	0.00

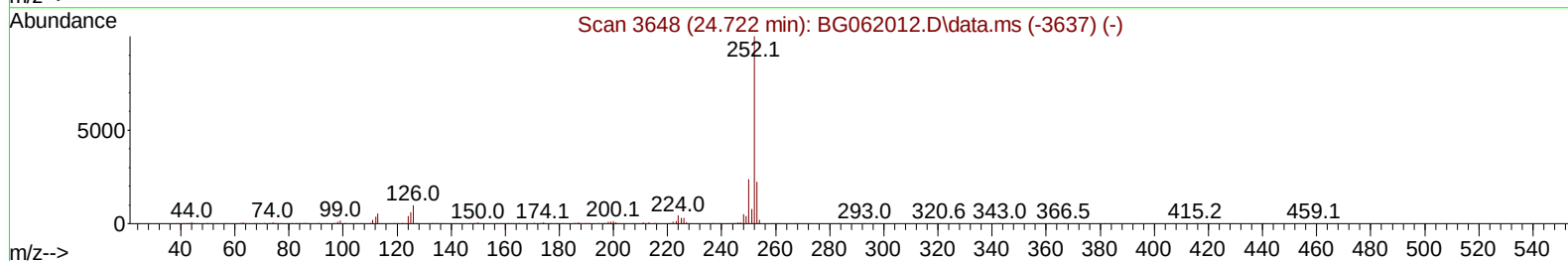
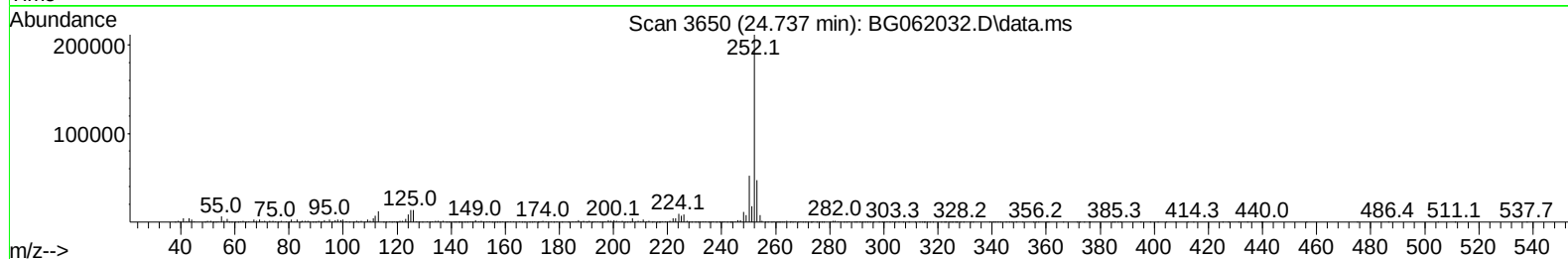
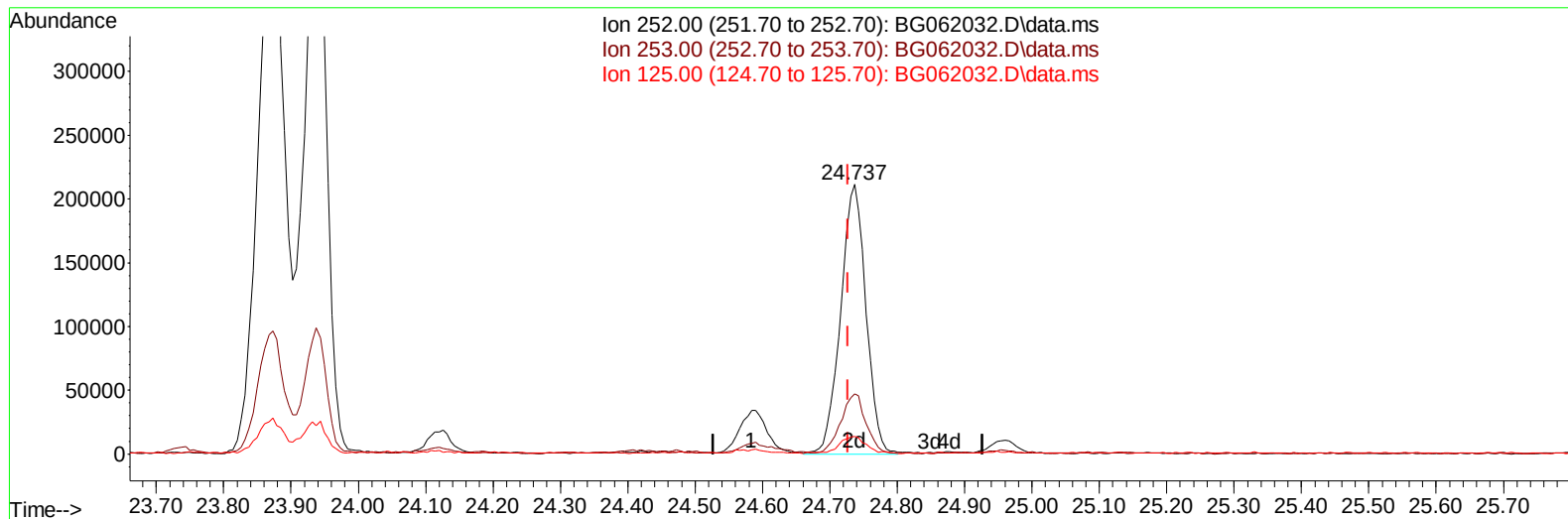
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062032.D
Acq On : 12 Jul 2024 7:21
Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:15:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



TIC: BG062032.D\data.ms

(93) Benzo(a)pyrene (C)

24.737min (+ 0.010) 23.85 ng/ul m

response 551735

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.60	22.38
125.00	9.30	6.53#
0.00	0.00	0.00

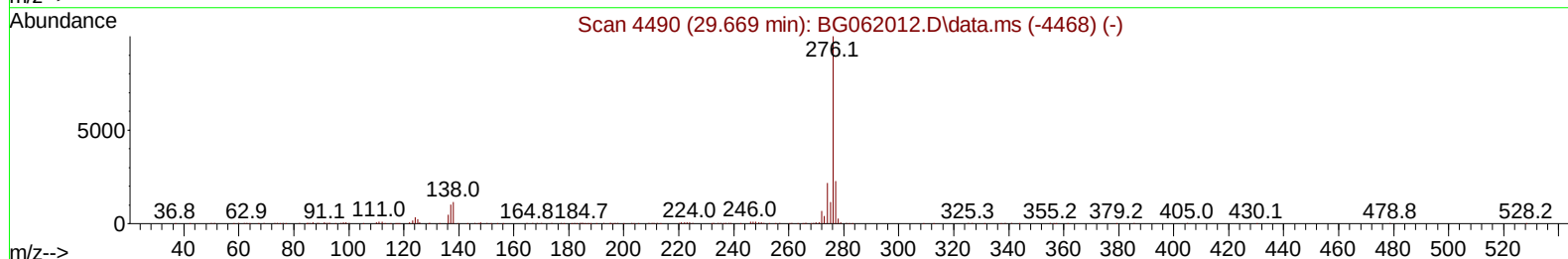
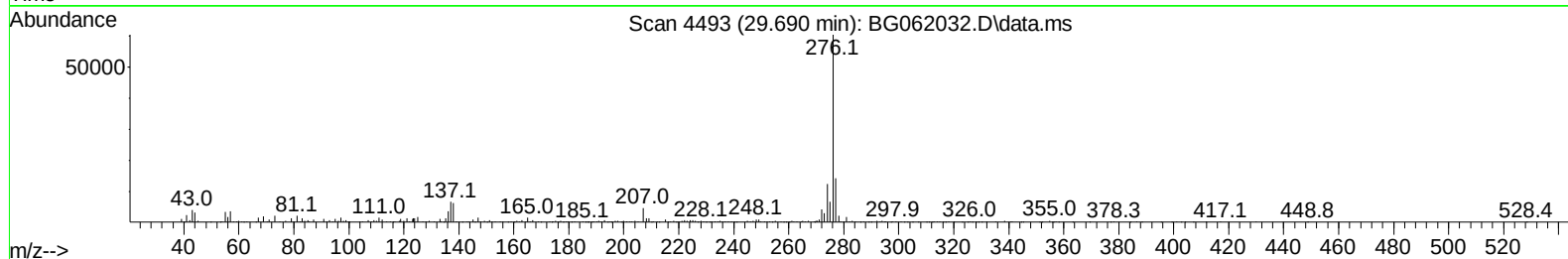
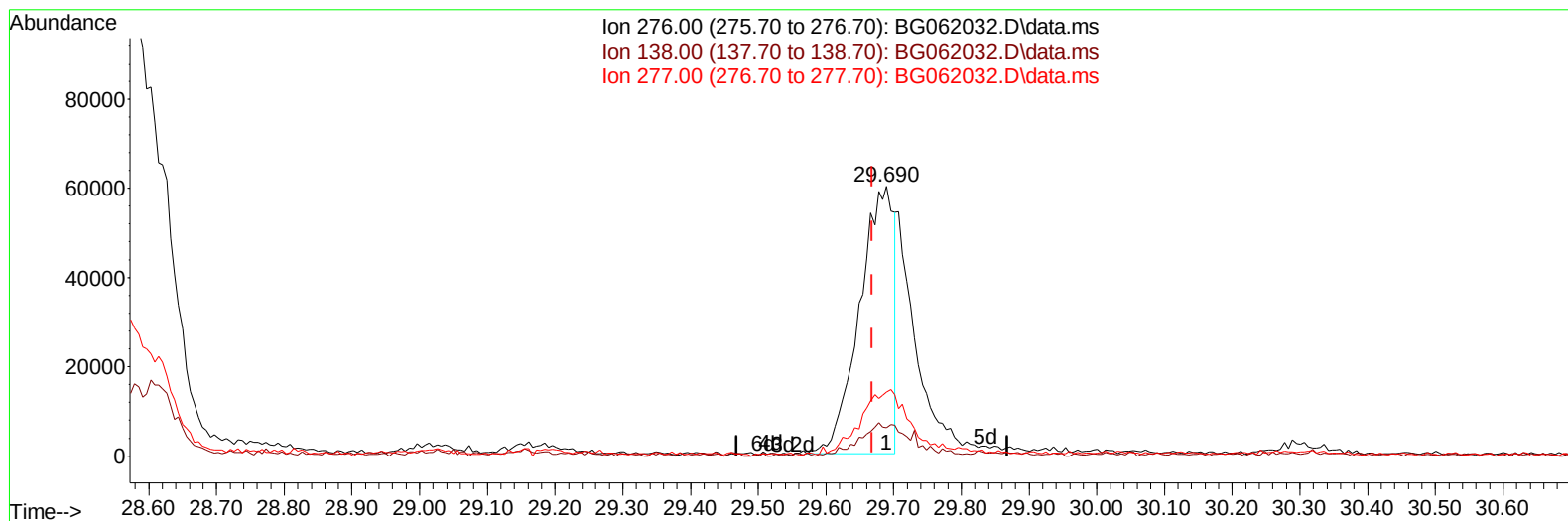
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062032.D
 Acq On : 12 Jul 2024 7:21
 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

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TIC: BG062032.D\data.ms

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

29.690min (+ 0.021) 9.00 ng/u1

response 211717

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	10.57#
277.00	23.50	23.64
0.00	0.00	0.00

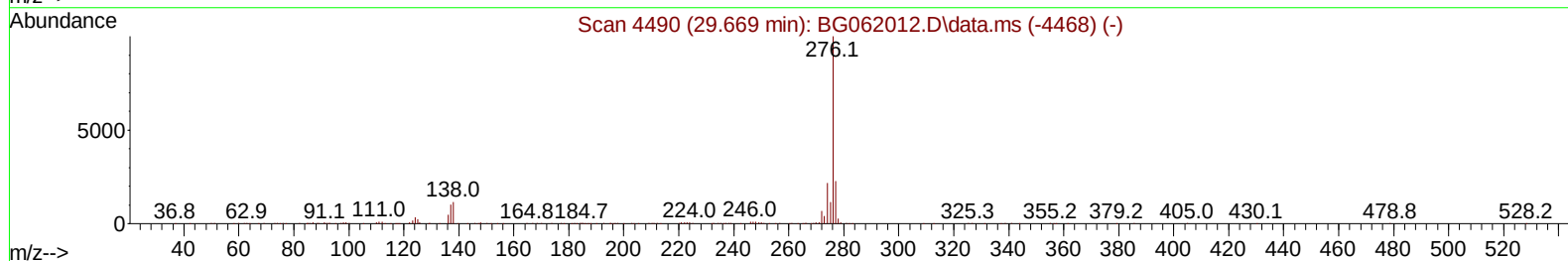
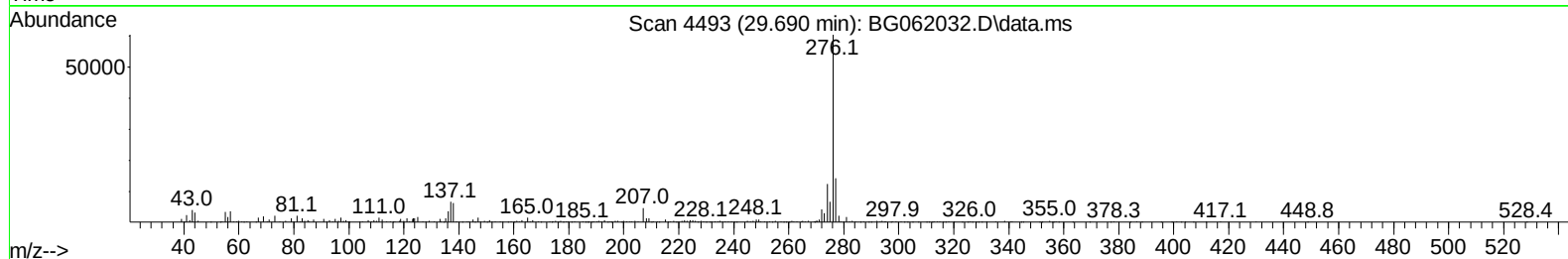
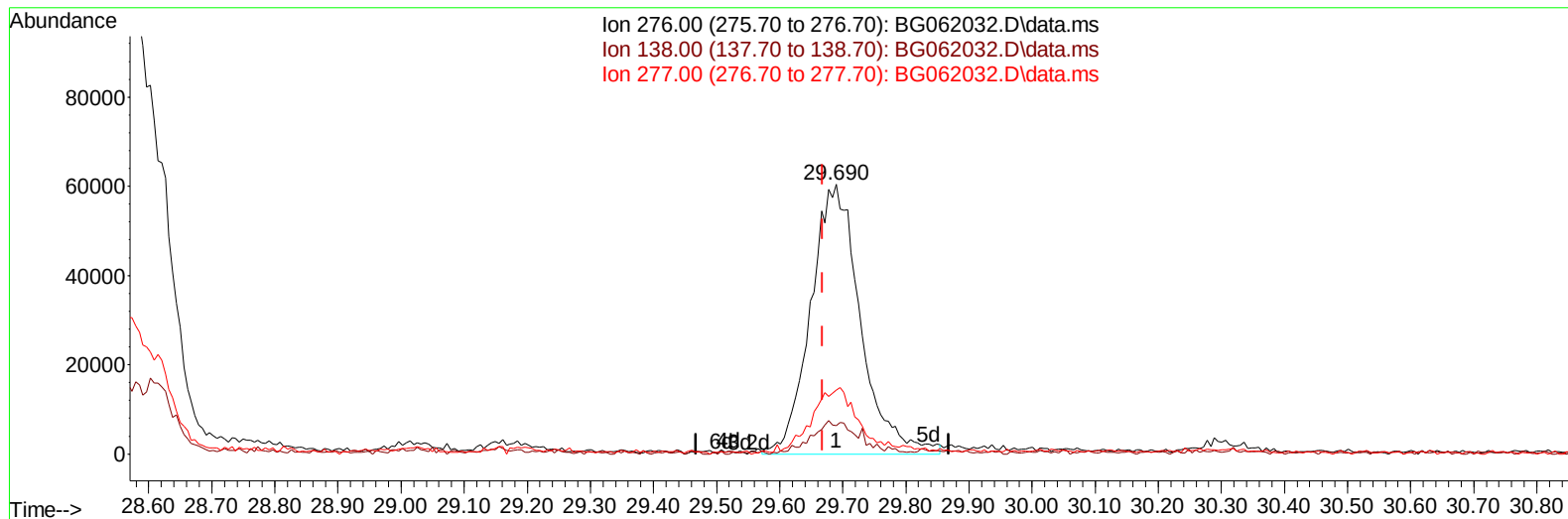
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Operator : MA/JU
Sample : P3124-02MS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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TIC: BG062032.D\data.ms

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

29.690min (+ 0.021) 14.05 ng/ul m

response 330479

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	10.57#
277.00	23.50	23.64
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3124-02MS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CB3MS

Manual IntegrationsAPPROVED

Quant Time: Jul 12 09:17:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.039	152	48002	20.000	ng/ul	0.00
20) Naphthalene-d8	10.853	136	230089	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.672	164	162645	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.416	188	363776m	20.000	ng/ul	0.00
79) Chrysene-d12	21.676	240	325150m	20.000	ng/ul	0.00
88) Perylene-d12	24.884	264	387831	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.432	96	4288m	3.357	ng/uL	0.00
4) Pyridine-d5	3.855	84	30606	7.792	ng/ul	0.00
7) Phenol-d5	7.198	99	107253	20.417	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.363	67	63154	18.984	ng/ul	0.00
11) 2-Chlorophenol-d4	7.569	132	76692	21.283	ng/ul	0.00
15) 4-Methylphenol-d8	8.744	113	78107	18.884	ng/ul	0.00
21) Nitrobenzene-d5	9.214	128	39282	22.448	ng/ul	0.00
24) 2-Nitrophenol-d4	9.930	143	47291	23.665	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.471	165	95764	24.845	ng/ul	0.00
31) 4-Chloroaniline-d4	10.982	131	74390	13.293	ng/ul	0.00
46) Dimethylphthalate-d6	14.073	166	314527	23.522	ng/ul	0.00
49) Acenaphthylene-d8	14.366	160	329267	23.549	ng/ul	0.00
54) 4-Nitrophenol-d4	14.883	143	53549	25.077	ng/ul	0.00
60) Fluorene-d10	15.665	176	286106	25.416	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.782	200	60055m	31.434	ng/ul	0.00
73) Anthracene-d10	17.516	188	478576m	28.178	ng/ul	0.00
81) Pyrene-d10	19.801	212	448860m	23.470	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.660	264	354153	18.412	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.473	88	13807	9.793	ng/uL	87
5) Pyridine	3.879	79	48607	12.067	ng/ul#	76
6) Benzaldehyde	7.175	77	47479	17.077	ng/ul	95
8) Phenol	7.228	94	140042	26.038	ng/ul#	85
10) Bis(2-Chloroethyl)ether	7.457	93	96246	23.295	ng/ul	99
12) 2-Chlorophenol	7.604	128	100051	27.254	ng/ul	93
13) 2-Methylphenol	8.485	108	98390	25.631	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.567	45	194642	21.563	ng/ul#	94
16) Acetophenone	8.867	105	173346	25.372	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.844	70	84004	21.962	ng/ul	89
18) 4-Methylphenol	8.814	108	112234	26.108	ng/ul	95
19) Hexachloroethane	9.126	117	30451	19.121	ng/ul#	83
22) Nitrobenzene	9.249	77	138804	27.944	ng/ul	97
23) Isophorone	9.772	82	257676	22.962	ng/ul#	98
25) 2-Nitrophenol	9.960	139	56962	27.951	ng/ul#	93
26) 2,4-Dimethylphenol	10.019	107	128068	26.258	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.254	93	141552	22.905	ng/ul	96
29) 2,4-Dichlorophenol	10.500	162	110171	30.428	ng/ul	97
30) Naphthalene	10.900	128	343551	27.182	ng/ul	96
32) 4-Chloroaniline	11.012	127	83962	15.291	ng/ul	98
33) Hexachlorobutadiene	11.176	225	84710	31.090	ng/ul	90
34) Caprolactam	11.781	113	34824m	24.549	ng/ul	
35) 4-Chloro-3-methylphenol	12.134	107	152975	31.723	ng/ul	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.504	142	251273	27.442	ng/ul	87
37) 1-Methylnaphthalene	12.721	142	252972	26.585	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.862	216	135284	27.698	ng/ul	95
40) Hexachlorocyclopentadiene	12.839	237	37905	11.658	ng/ul#	98
41) 2,4,6-Trichlorophenol	13.109	196	100887	31.098	ng/ul	94
42) 2,4,5-Trichlorophenol	13.185	196	120181	33.724	ng/ul	92
43) 1,1'-Biphenyl	13.509	154	341914	27.284	ng/ul	95
44) 2-Chloronaphthalene	13.550	162	257108	27.337	ng/ul	92
45) 2-Nitroaniline	13.755	65	124489	33.053	ng/ul	96
47) Dimethylphthalate	14.120	163	356688	27.733	ng/ul	97
48) 2,6-Dinitrotoluene	14.249	165	84531	34.645	ng/ul	91
50) Acenaphthylene	14.396	152	411169	26.794	ng/ul	98
51) 3-Nitroaniline	14.578	138	76056	32.023	ng/ul	93
52) Acenaphthene	14.737	153	298915	28.209	ng/ul	96
53) 2,4-Dinitrophenol	14.784	184	42190	33.097	ng/ul	94
55) 4-Nitrophenol	14.895	109	112852	46.304	ng/ul	88
56) Dibenzofuran	15.072	168	435411	29.073	ng/ul	94
57) 2,4-Dinitrotoluene	15.036	165	127884	35.740	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.295	232	110565	34.358	ng/ul	96
59) Diethylphthalate	15.483	149	412729	29.779	ng/ul	97
61) Fluorene	15.718	166	376326	29.548	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.706	204	187045	29.238	ng/ul	94
63) 4-Nitroaniline	15.741	138	83510	34.652	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.800	198	77254m	37.573	ng/ul	
67) N-Nitrosodiphenylamine	15.923	169	338913	34.115	ng/ul	97
68) 4-Bromophenyl-phenylether	16.605	248	145545	35.267	ng/ul	99
69) Hexachlorobenzene	16.717	284	120077	25.303	ng/ul	98
70) Atrazine	16.869	200	90237	23.010	ng/ul	94
71) Pentachlorophenol	17.063	266	85714m	32.860	ng/ul	
72) Phenanthrene	17.463	178	867758m	45.240	ng/ul	
74) Anthracene	17.551	178	674640	34.034	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.473	216	141582	31.337	ng/ul	97
76) Pentachlorobenzene	14.983	250	136829	26.553	ng/ul	96
77) Carbazole	17.821	167	512891	30.745	ng/ul	99
78) Di-n-butylphthalate	18.368	149	742165	34.651	ng/ul	99
80) Fluoranthene	19.466	202	1277061m	56.424	ng/ul	
82) Pyrene	19.831	202	930330m	39.792	ng/ul	
83) Butylbenzylphthalate	20.706	149	330877	33.722	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.570	252	105572	13.648	ng/ul	98
85) Benzo(a)anthracene	21.658	228	1049898m	44.597	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.552	149	569152	40.423	ng/ul	99
87) Chrysene	21.728	228	1019671	46.267	ng/ul	97
89) Di-n-octyl phthalate	22.757	149	827610	34.929	ng/ul	100
90) Benzo(b)fluoranthene	23.873	252	1181351	48.347	ng/ul	99
91) Benzo(k)fluoranthene	23.938	252	1031712m	42.342	ng/ul	
93) Benzo(a)pyrene	24.737	252	551735m	23.845	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.556	276	894020	30.236	ng/ul#	95
95) Dibenzo(a,h)anthracene	28.620	278	888050	36.365	ng/ul	96
96) Benzo(g,h,i)perylene	29.690	276	330479m	14.049	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

A4CB3MS

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