

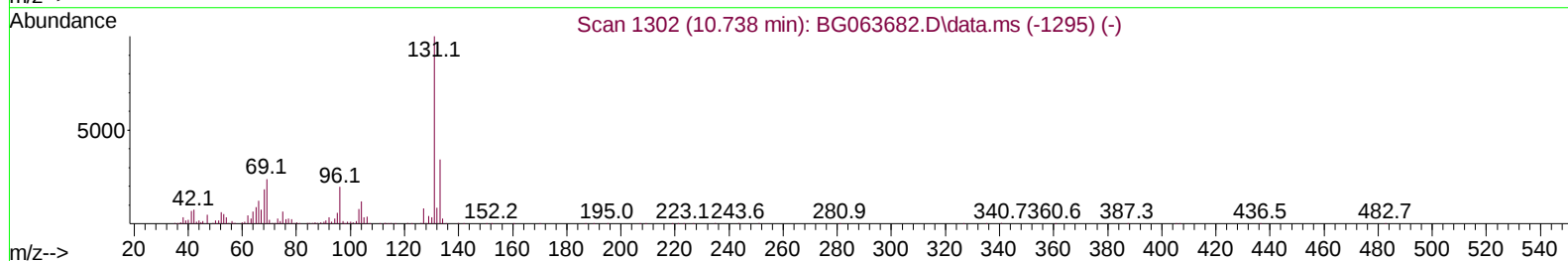
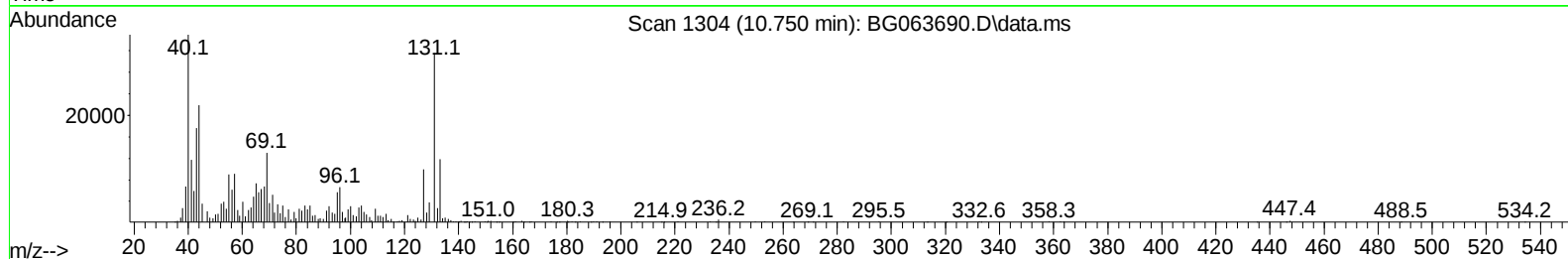
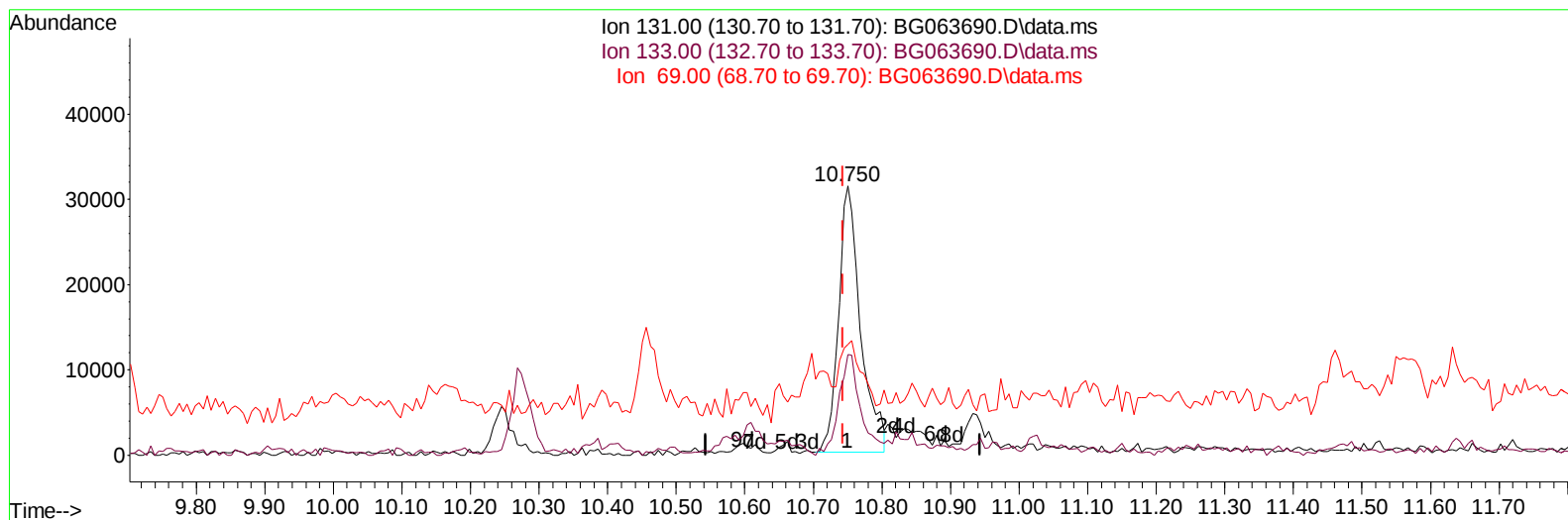
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.750min (+ 0.006) 4.73 ng/u1

response 69449

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.30	37.32
69.00	23.80	41.24#
0.00	0.00	0.00

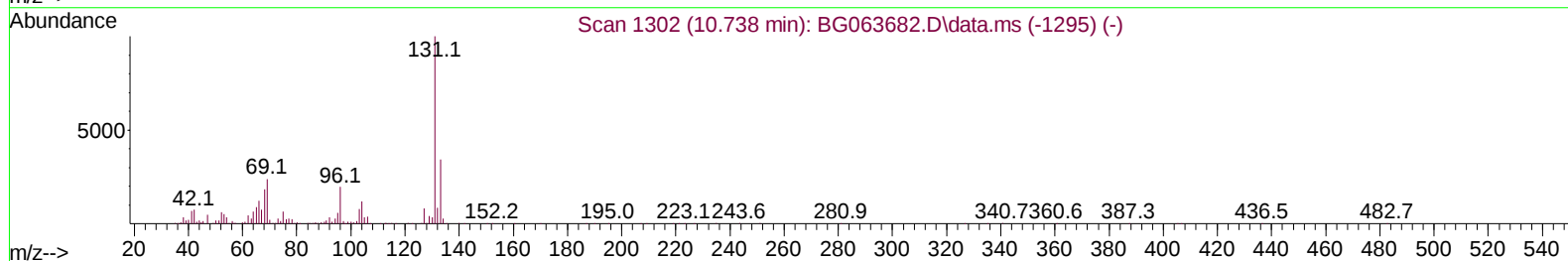
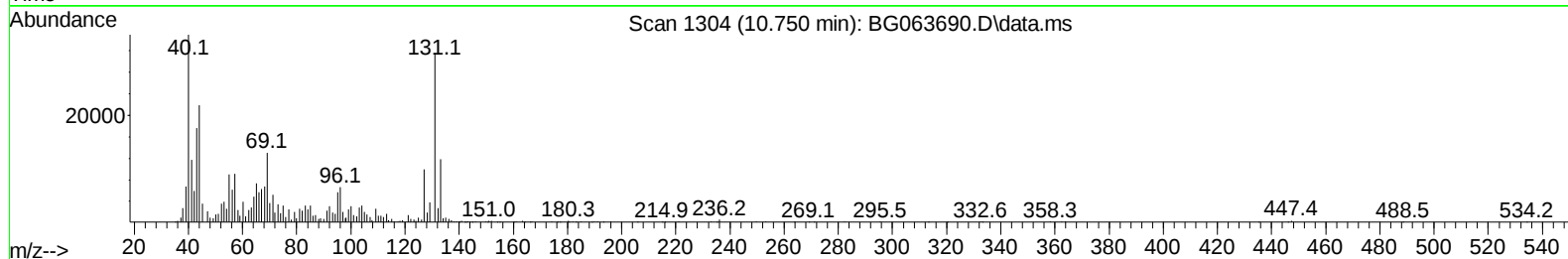
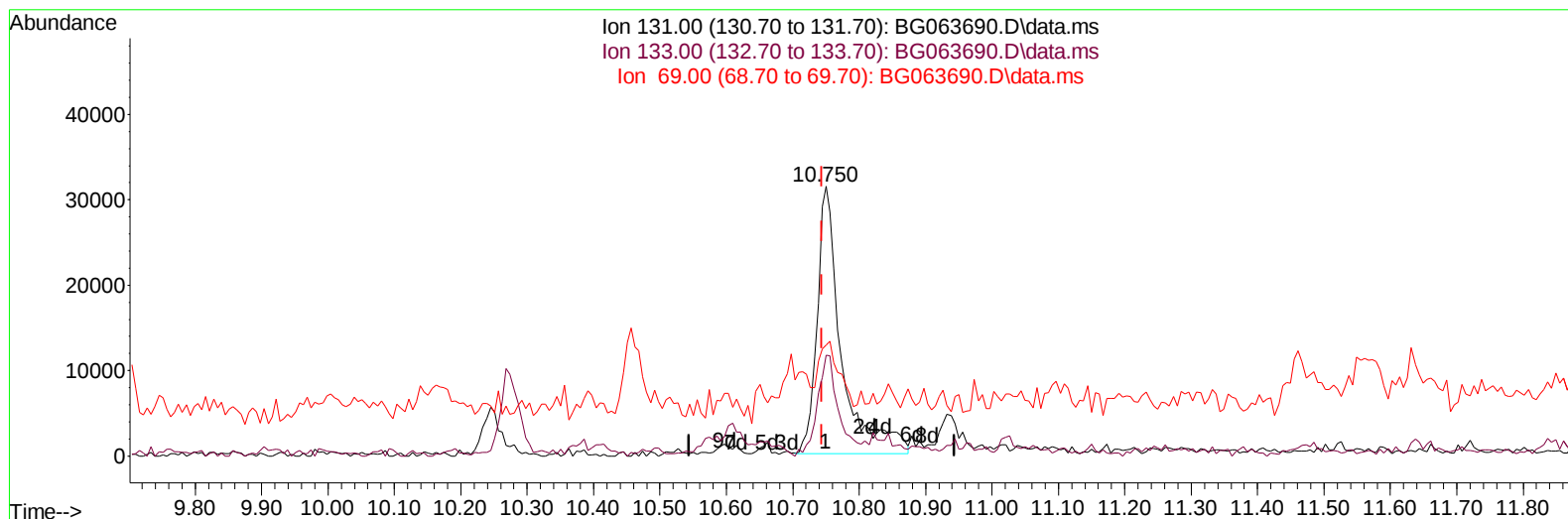
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.750min (+ 0.006) 5.46 ng/ul m

response 80120

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.30	37.32
69.00	23.80	41.24#
0.00	0.00	0.00

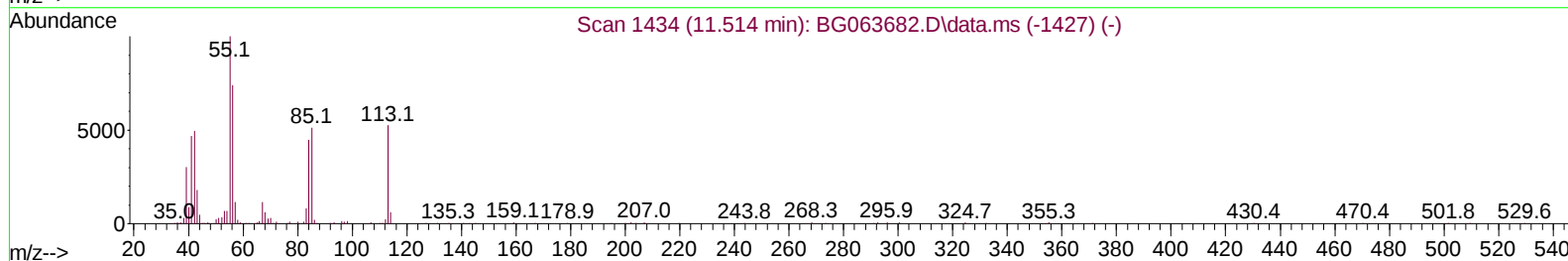
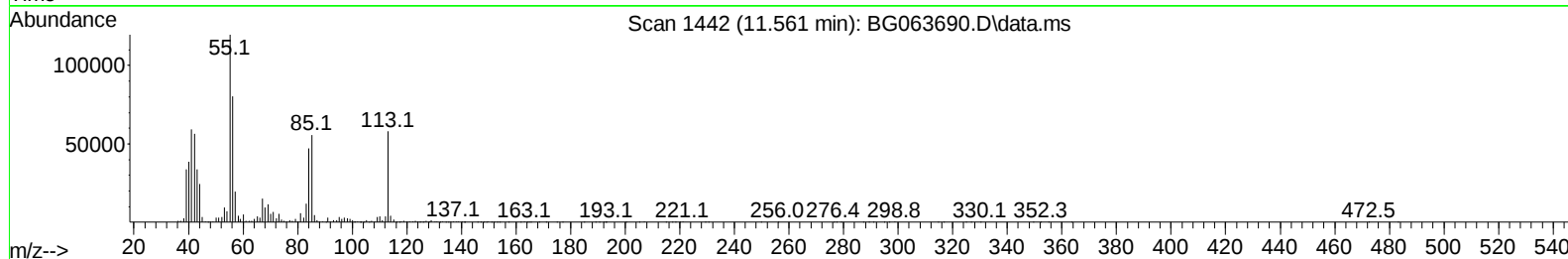
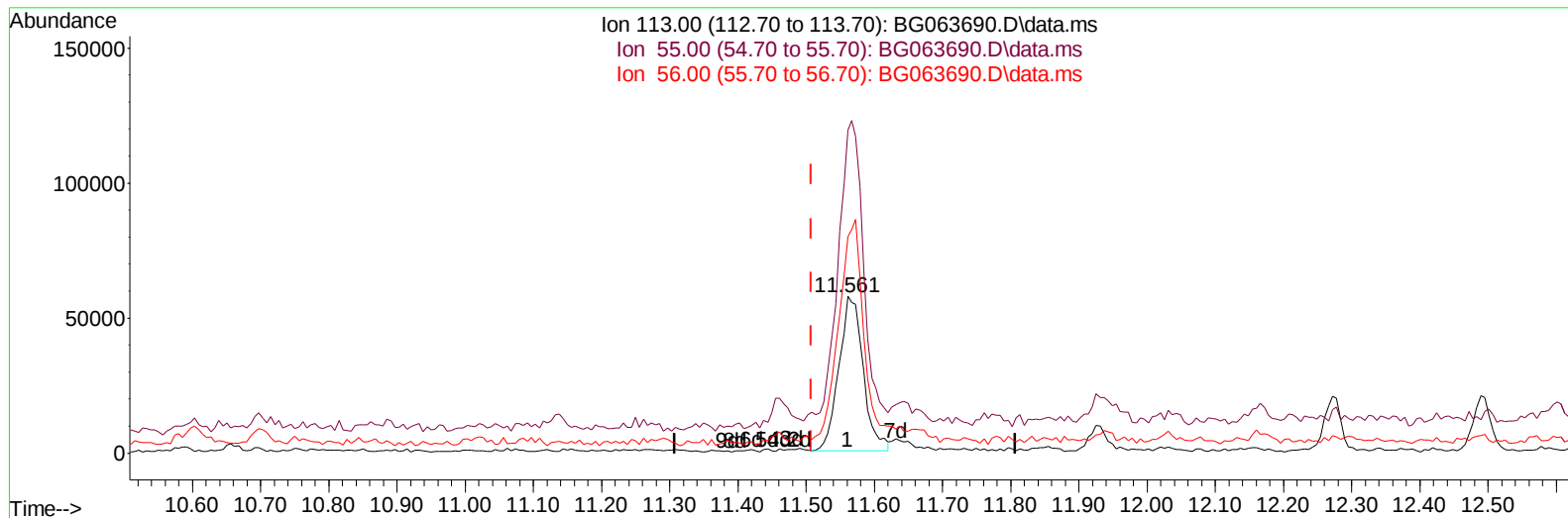
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(34) Caprolactam

11.561min (+ 0.053) 36.05 ng/ul

response 143201

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	206.14
56.00	133.90	138.20
0.00	0.00	0.00

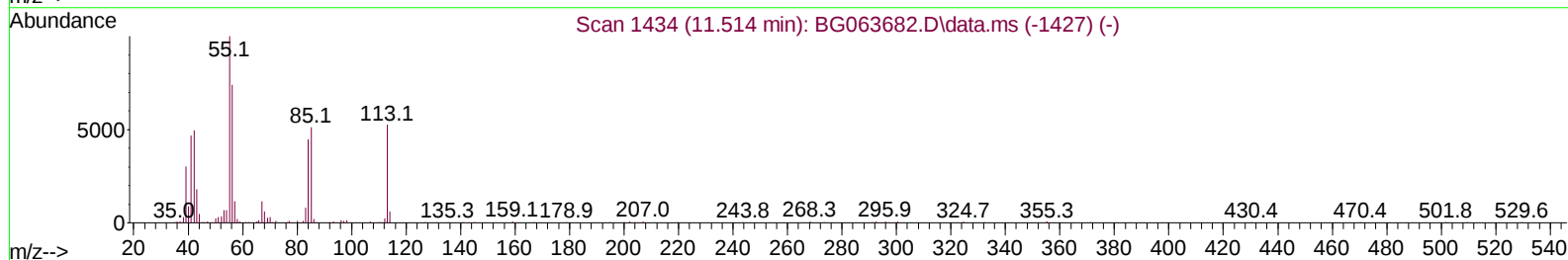
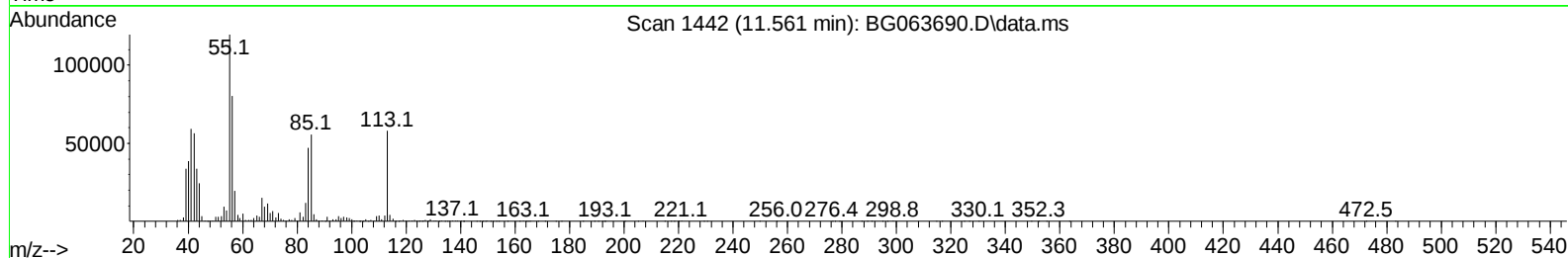
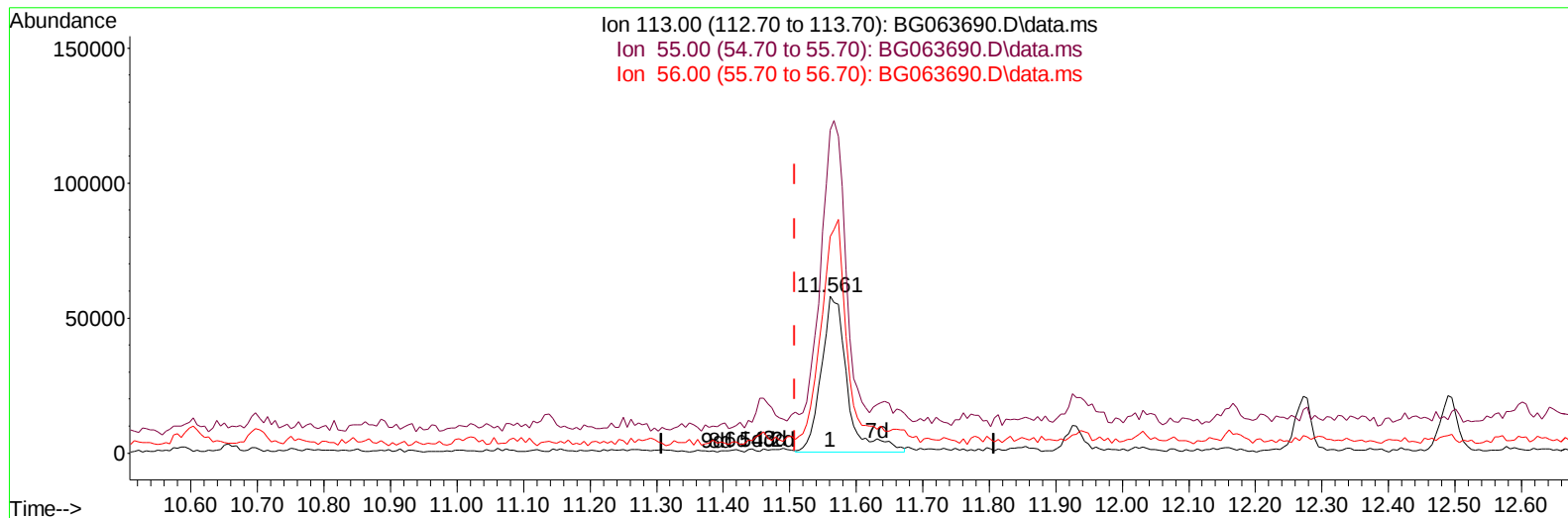
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(34) Caprolactam

11.561min (+ 0.053) 39.06 ng/ul m

response 155134

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	202.90	206.14
56.00	133.90	138.20
0.00	0.00	0.00

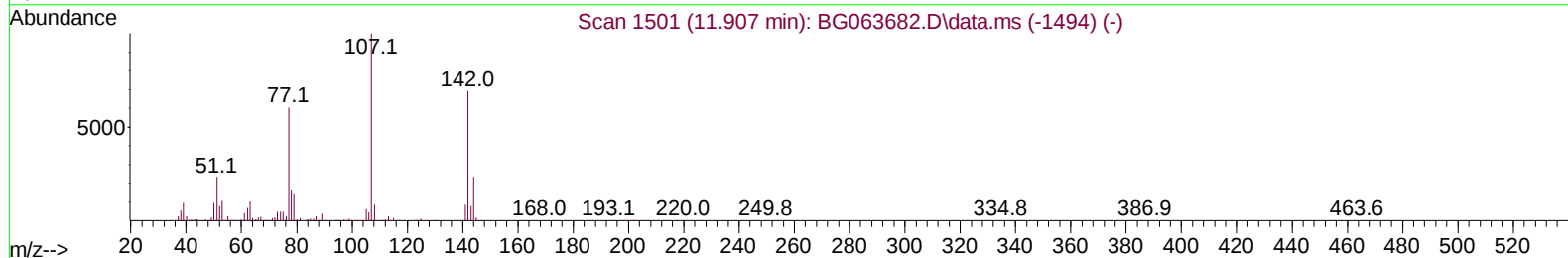
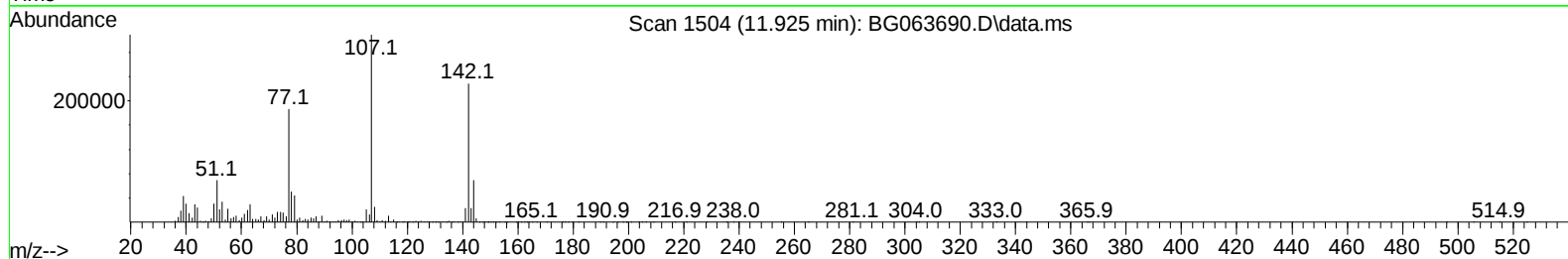
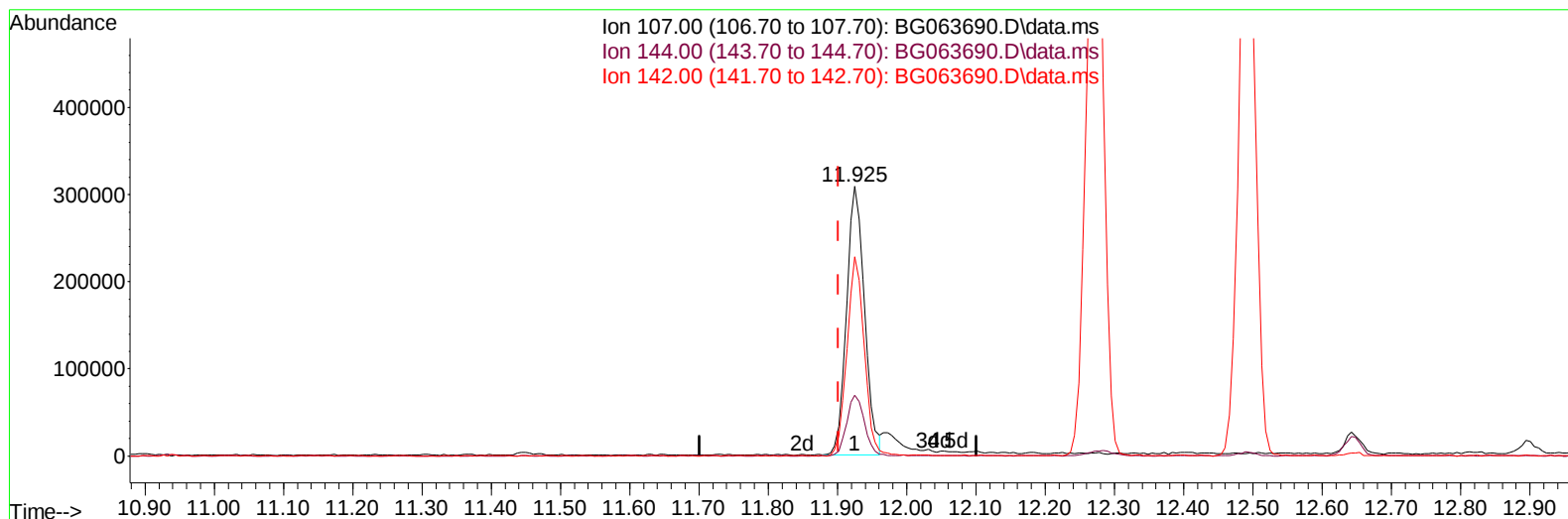
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(35) 4-Chloro-3-methylphenol (C)

11.925min (+ 0.024) 41.40 ng/u1

response 558542

Ion	Exp%	Act%
107.00	100.00	100.00
144.00	20.40	22.46
142.00	68.70	74.01
0.00	0.00	0.00

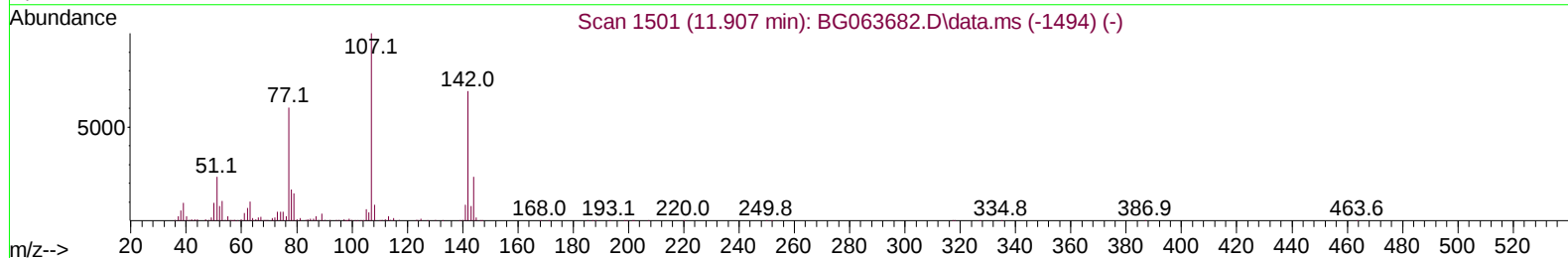
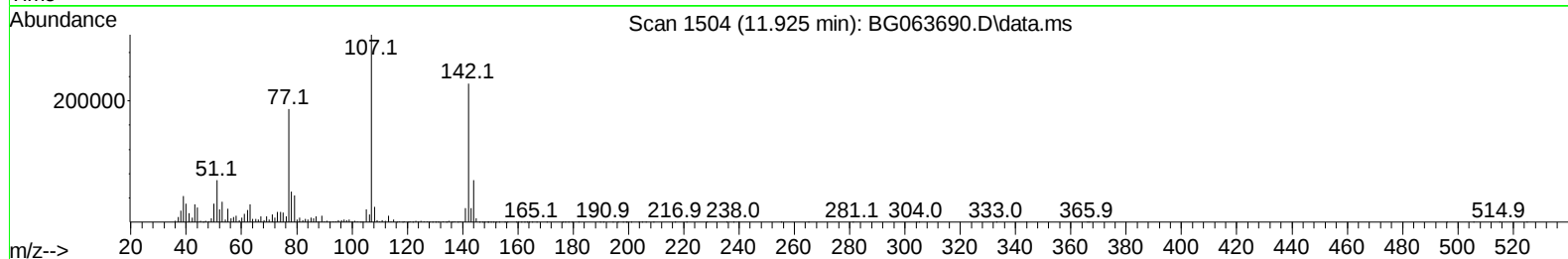
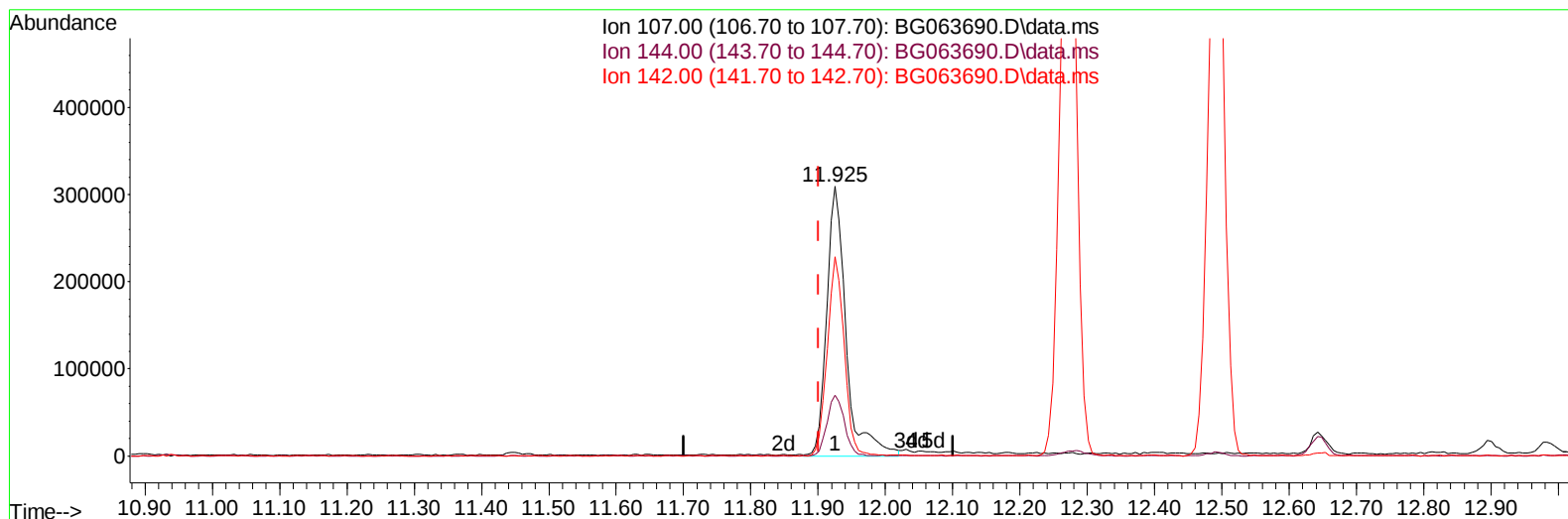
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(35) 4-Chloro-3-methylphenol (C)

11.925min (+ 0.024) 45.72 ng/ul m

response 616766

Ion	Exp%	Act%
107.00	100.00	100.00
144.00	20.40	22.46
142.00	68.70	74.01
0.00	0.00	0.00

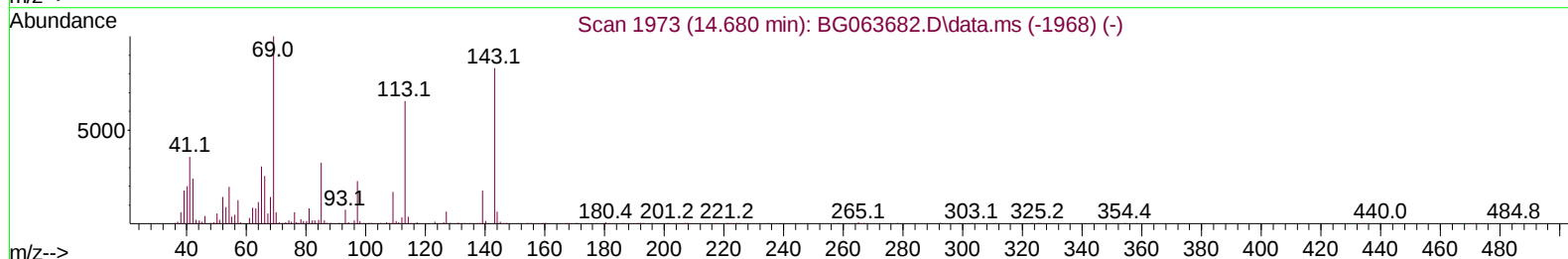
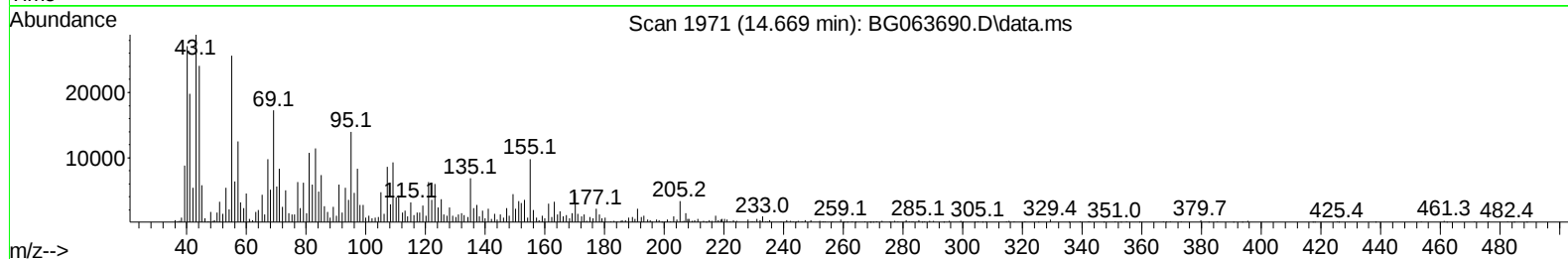
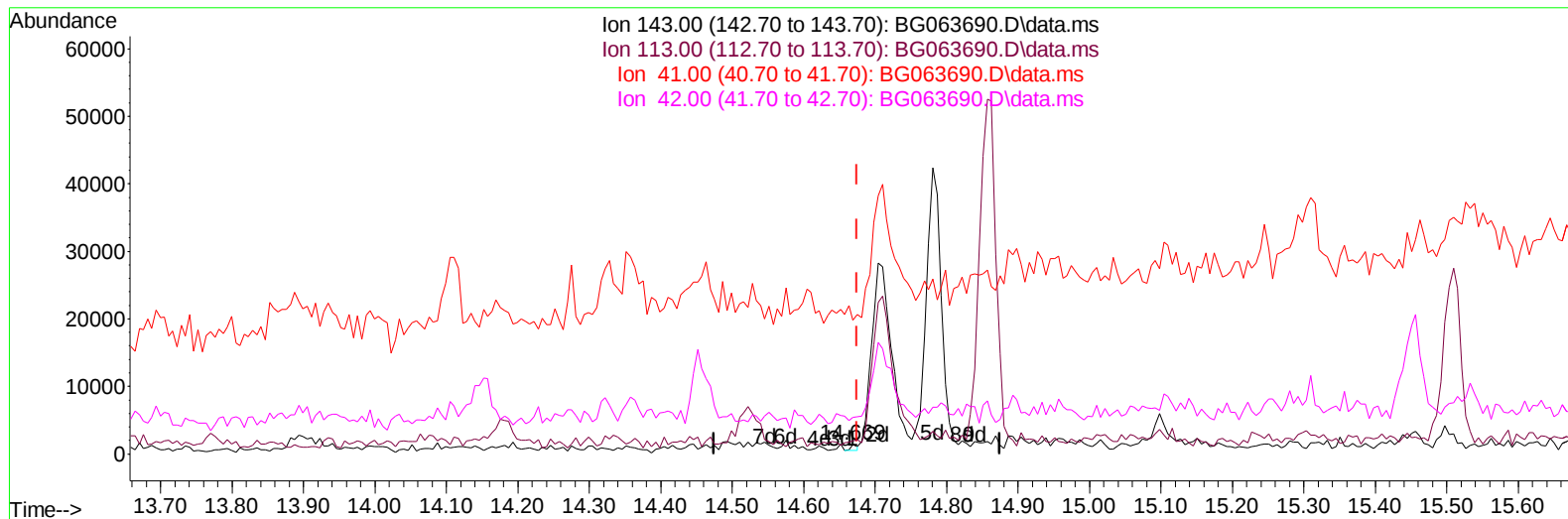
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.669min (-0.005) 0.12 ng/u1

response 559

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	136.52#
41.00	48.20	1392.82#
42.00	26.60	382.41#

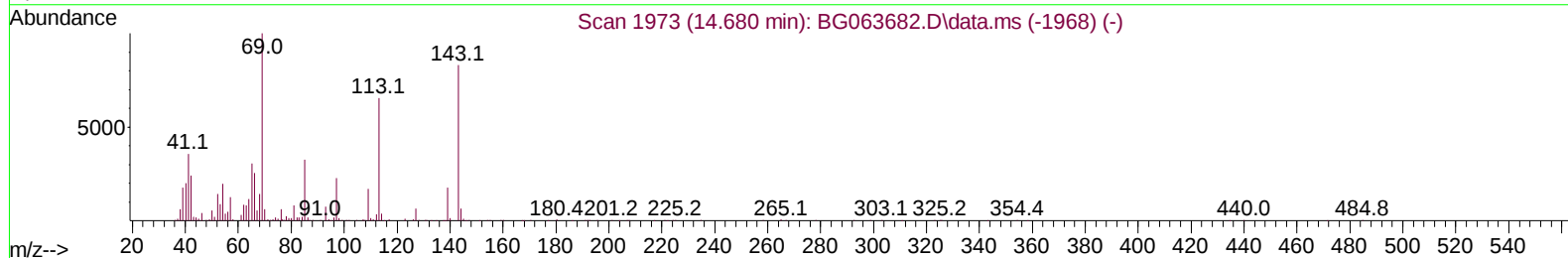
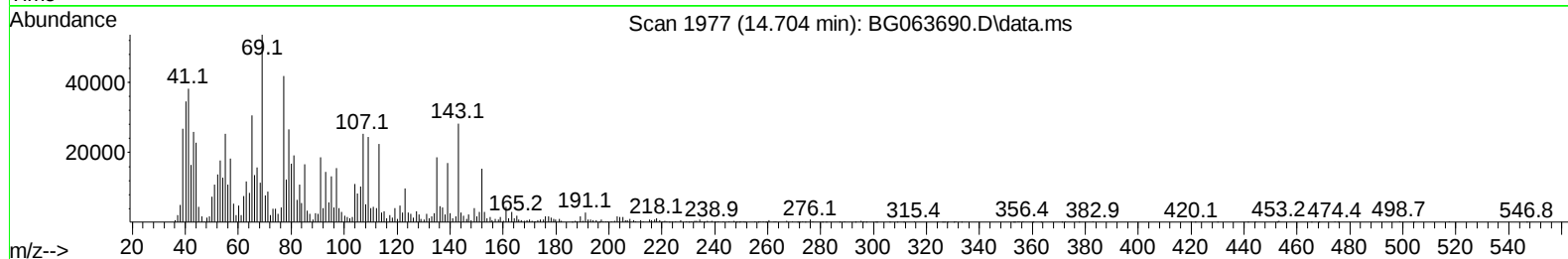
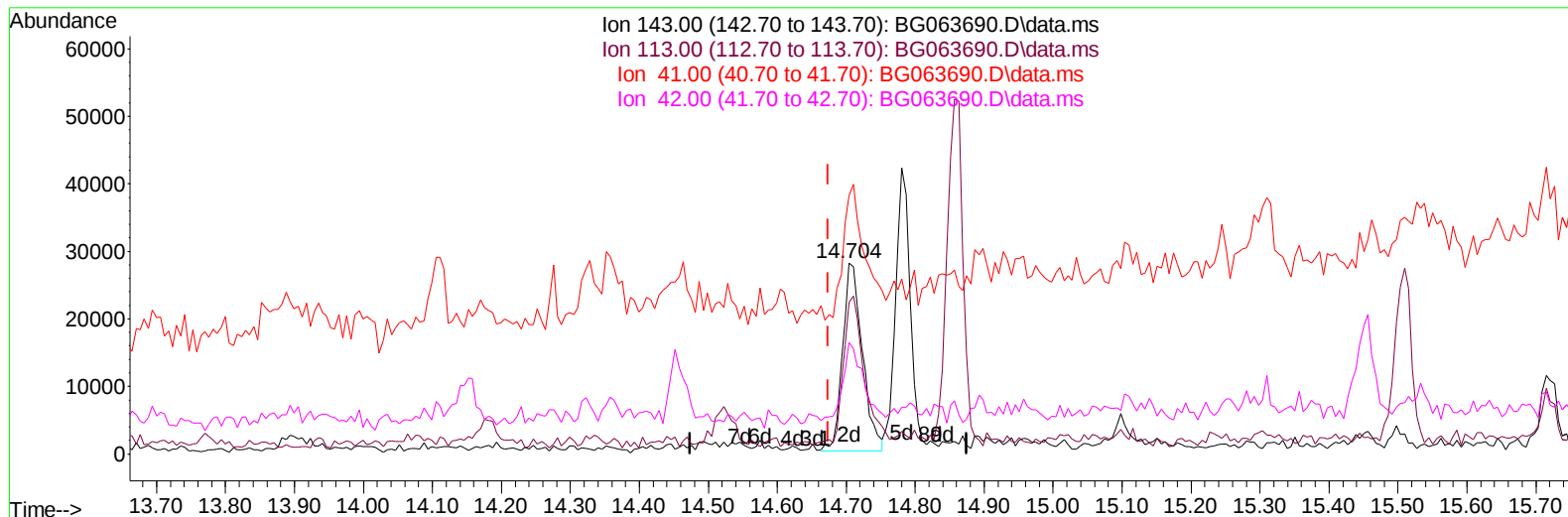
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.704min (+ 0.030) 12.19 ng/ul m

response 55336

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	89.70	79.24
41.00	48.20	135.29#
42.00	26.60	58.51#

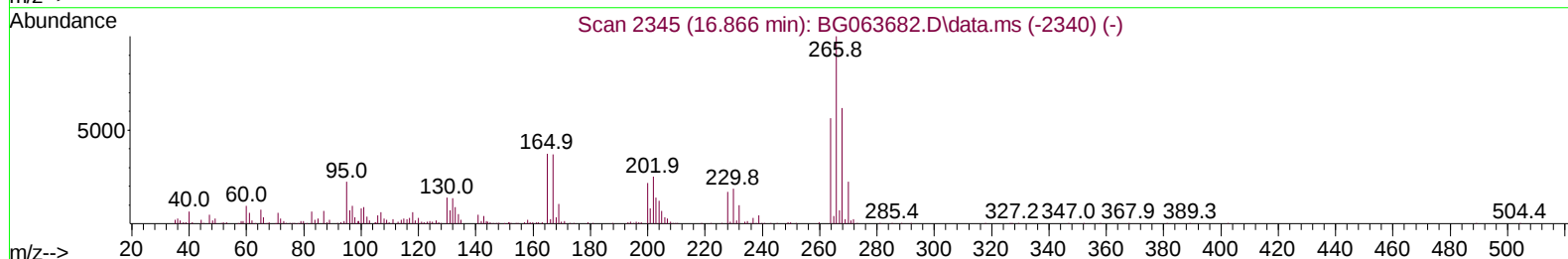
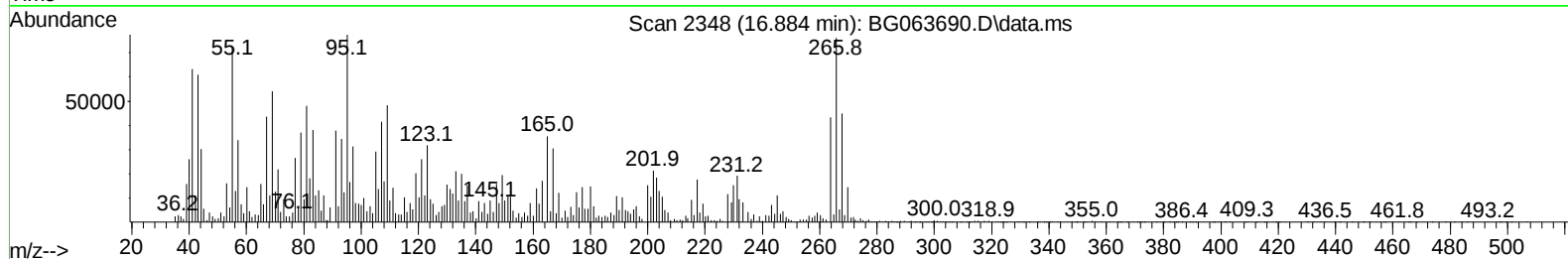
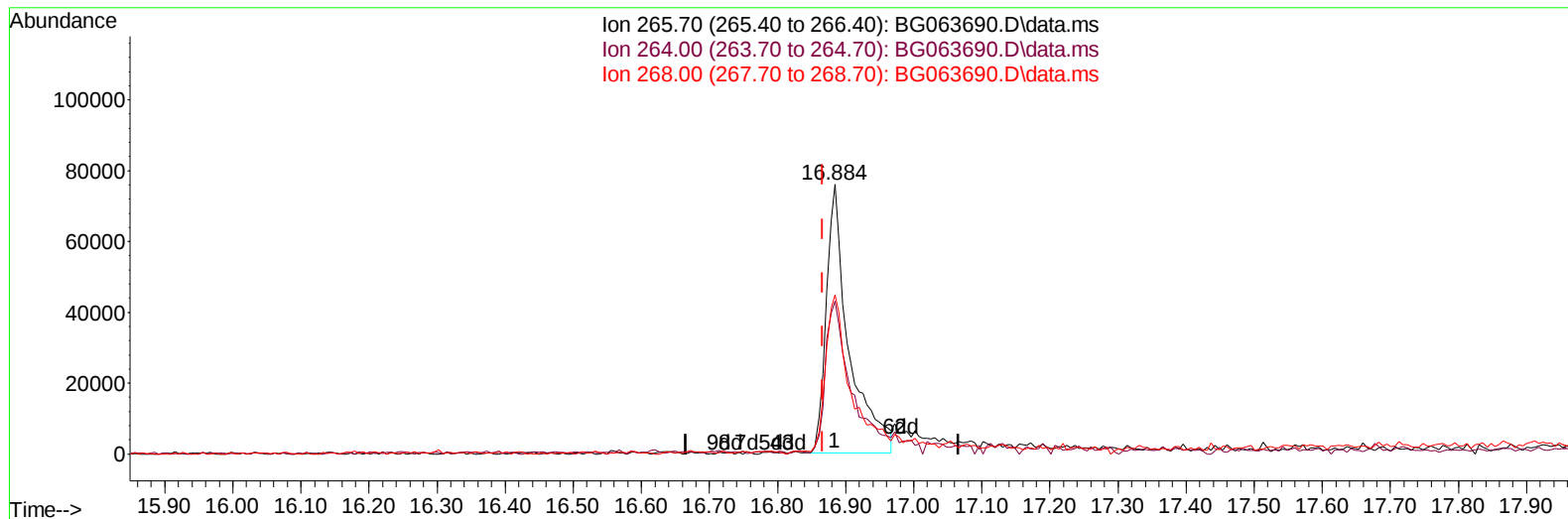
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(71) Pentachlorophenol (C)

16.884min (+ 0.018) 39.79 ng/u1

response 175886

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.60	56.82
268.00	63.10	63.19
0.00	0.00	0.00

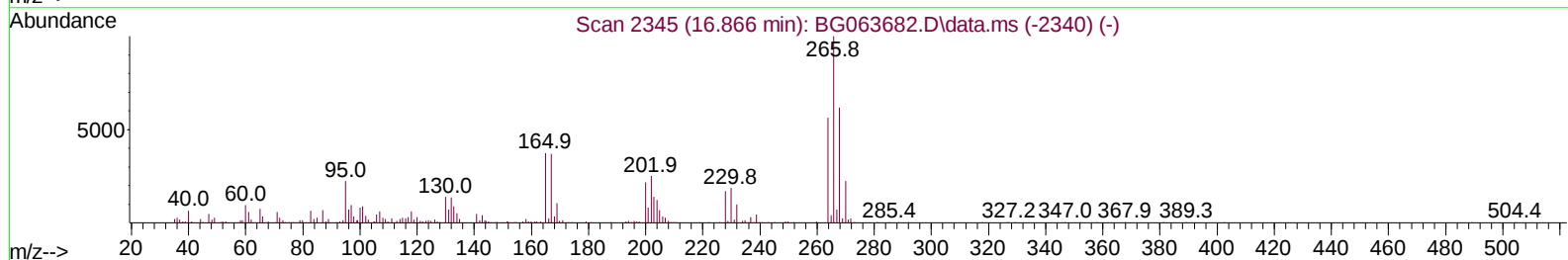
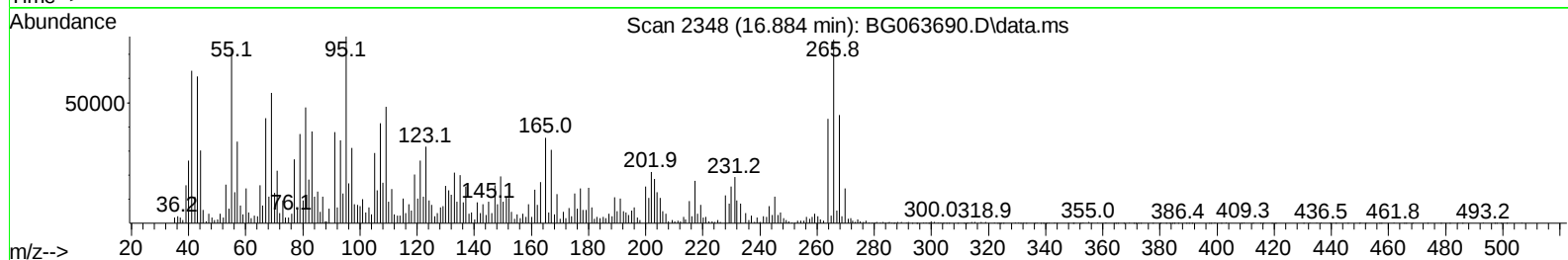
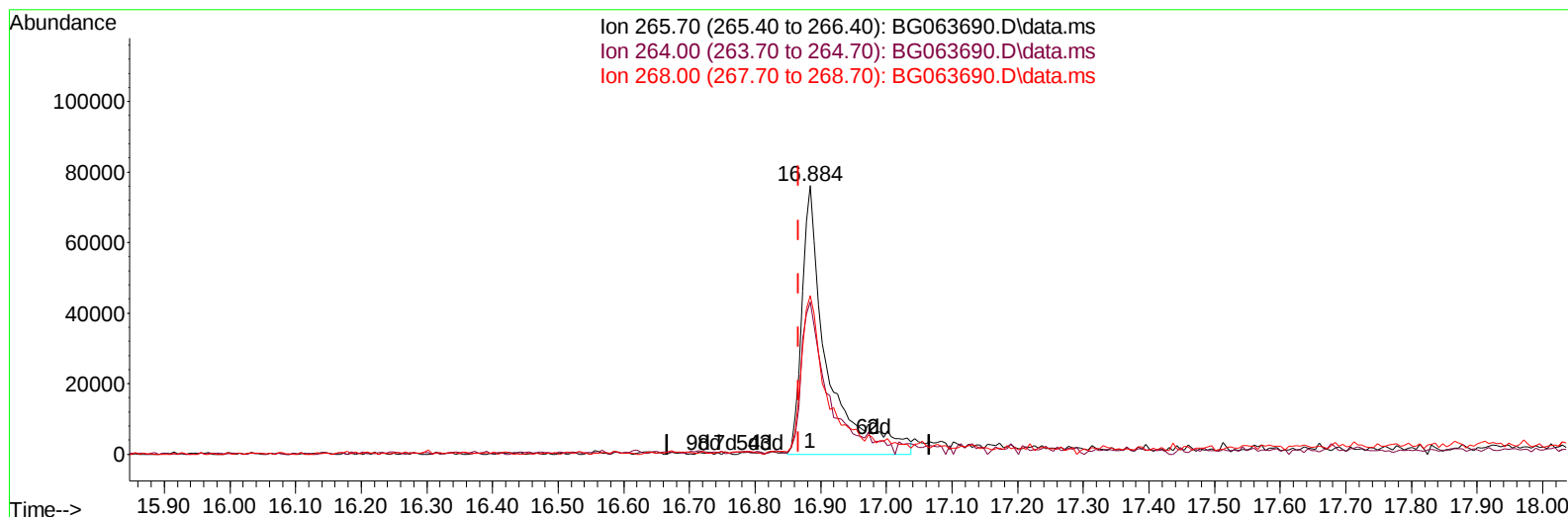
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063690.D
 Acq On : 16 Dec 2024 15:39
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(71) Pentachlorophenol (C)

16.884min (+ 0.018) 45.40 ng/ul m

response 200667

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	61.60	56.82
268.00	63.10	59.07
0.00	0.00	0.00

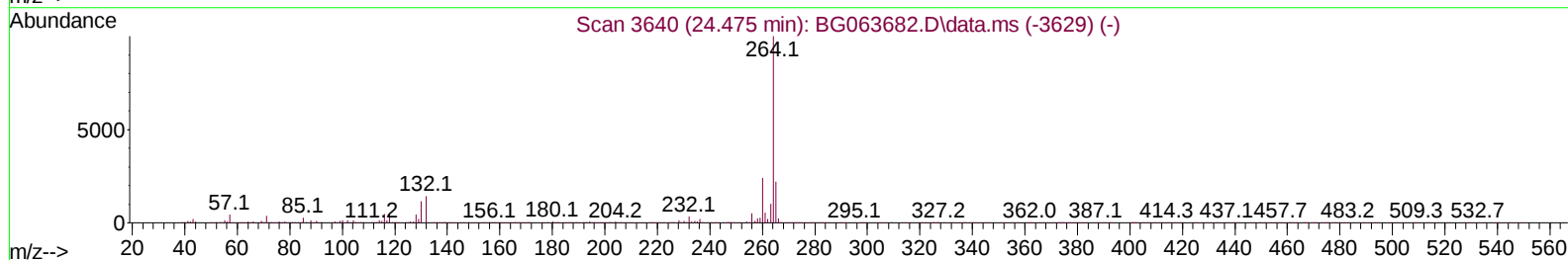
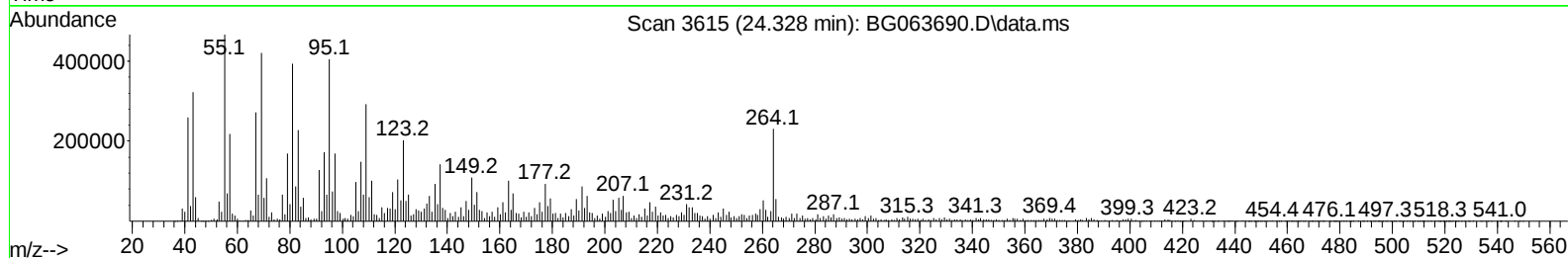
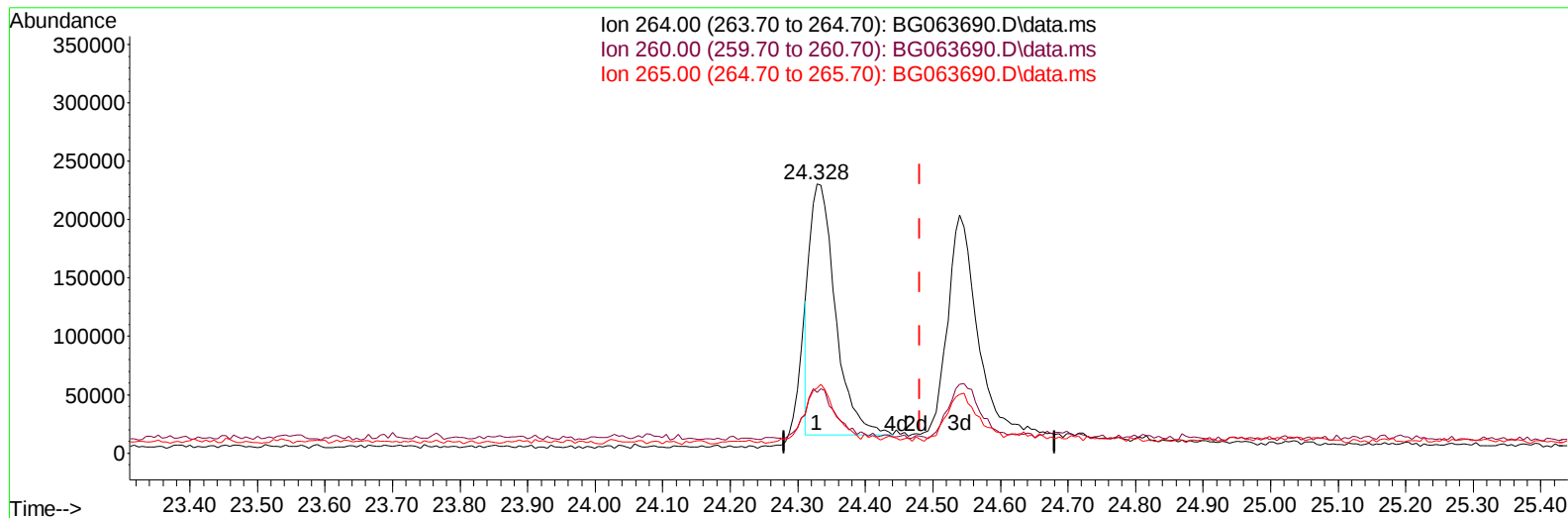
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(88) Perylene-d12 (I)

24.328min (-0.152) 20.00 ng/u1

response 566390

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.00	22.49
265.00	21.20	24.13
0.00	0.00	0.00

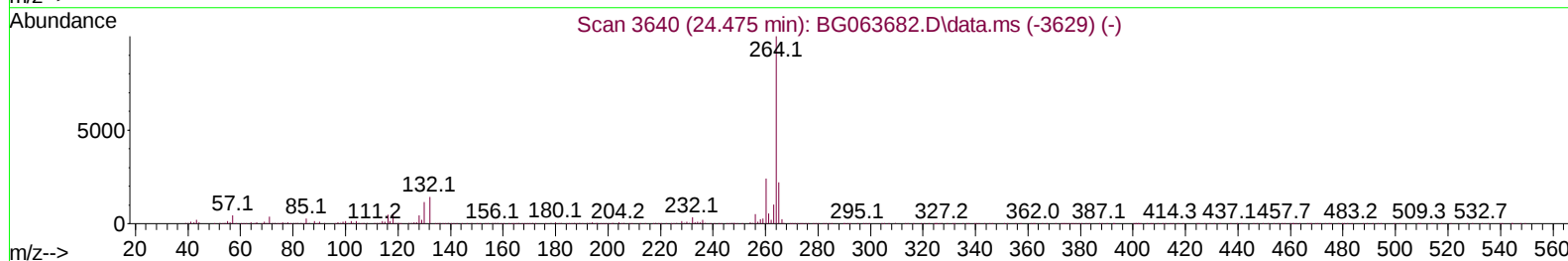
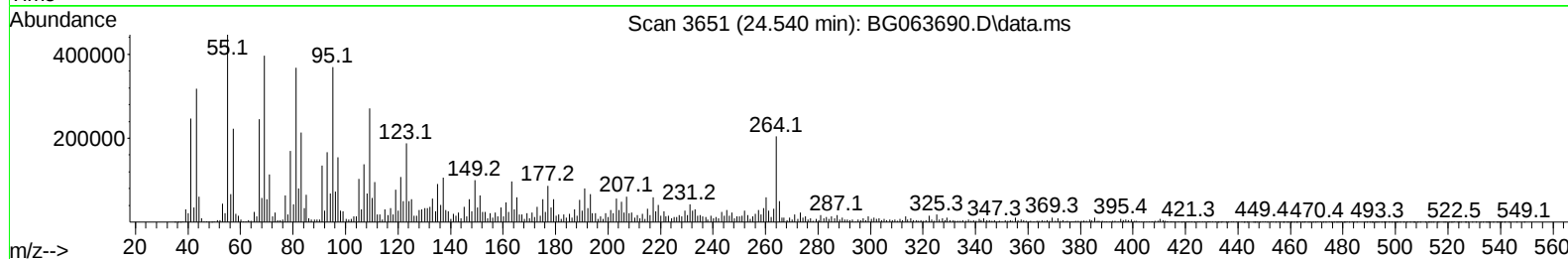
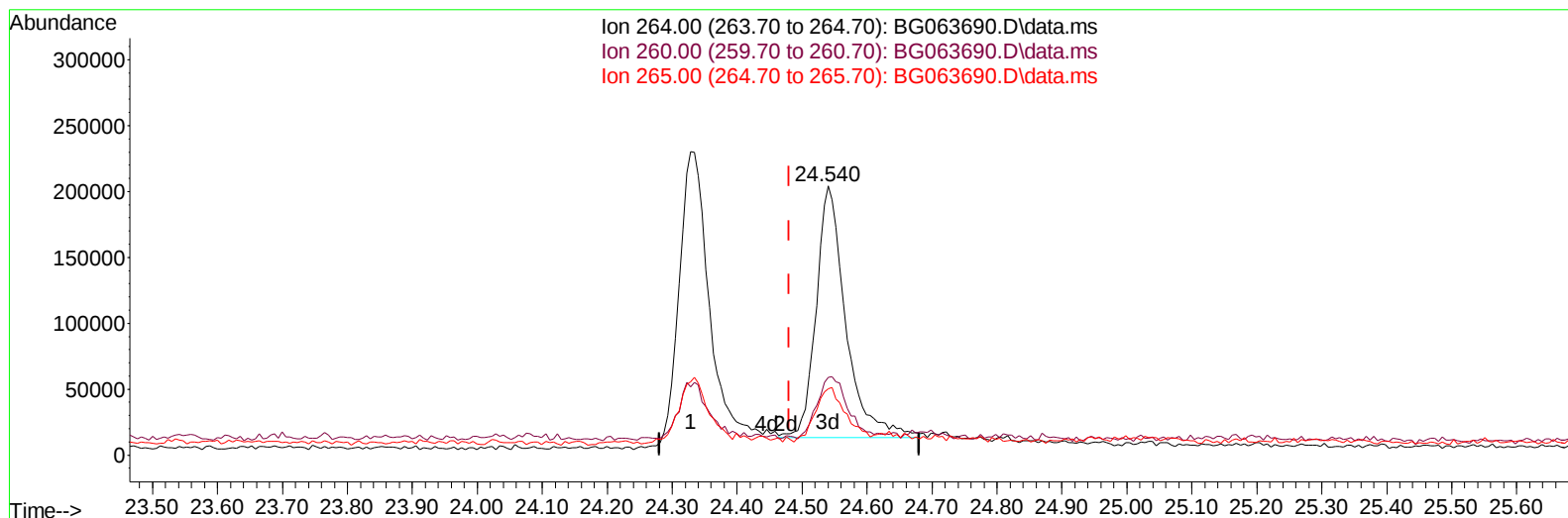
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:02:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(88) Perylene-d12 (I)

24.540min (+ 0.059) 20.00 ng/ul m

response 610415

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.00	28.81#
265.00	21.20	24.74
0.00	0.00	0.00

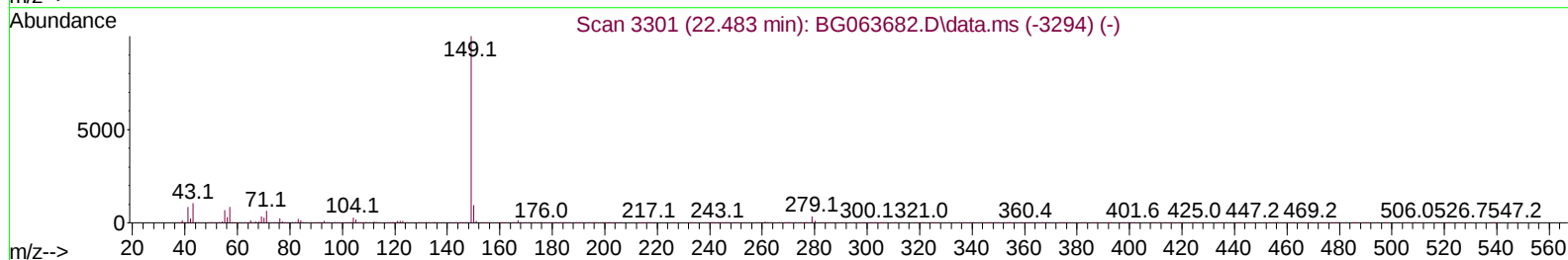
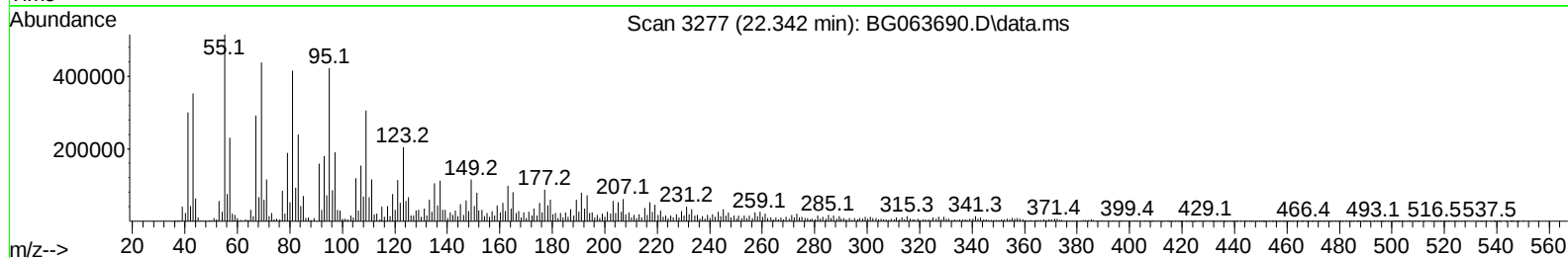
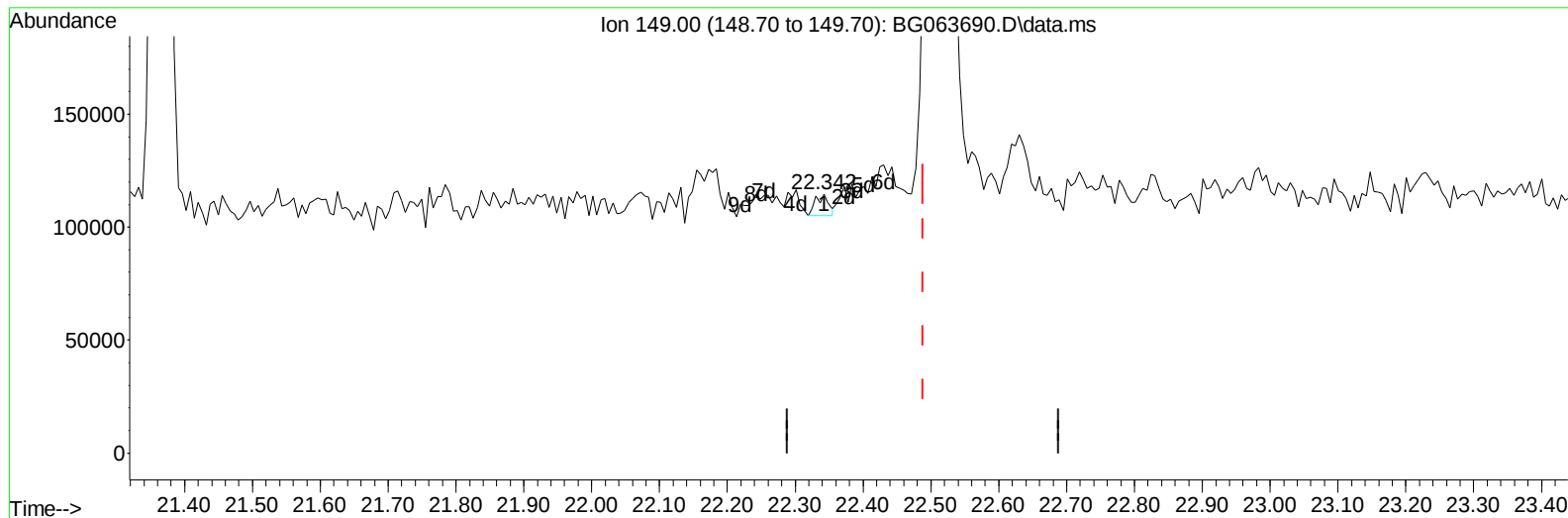
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(89) Di-n-octyl phthalate

22.342min (-0.146) 0.47 ng/u1

response 12445

Ion	Exp%	Act%
149.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

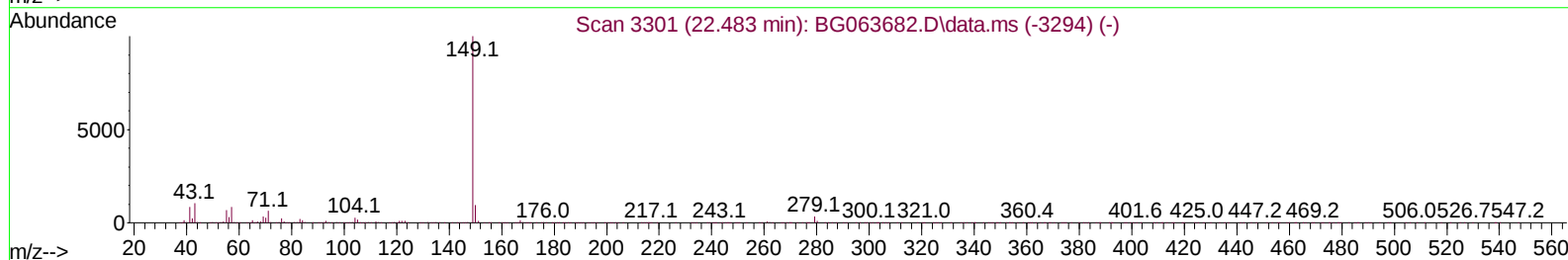
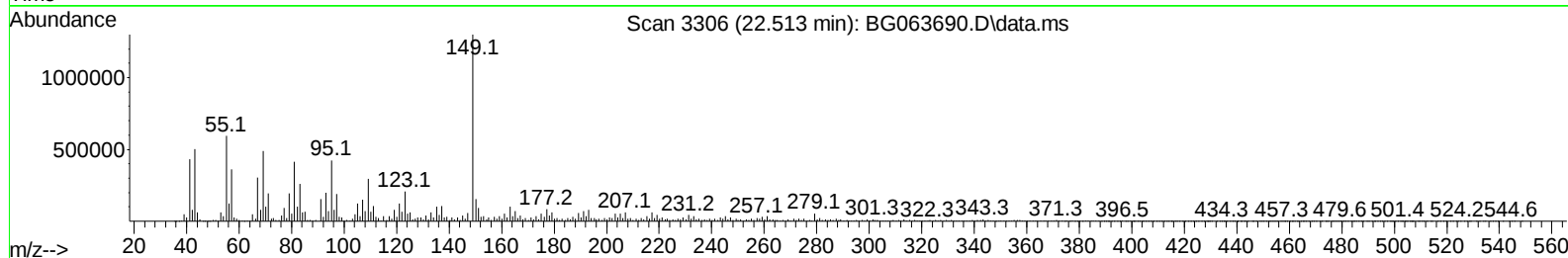
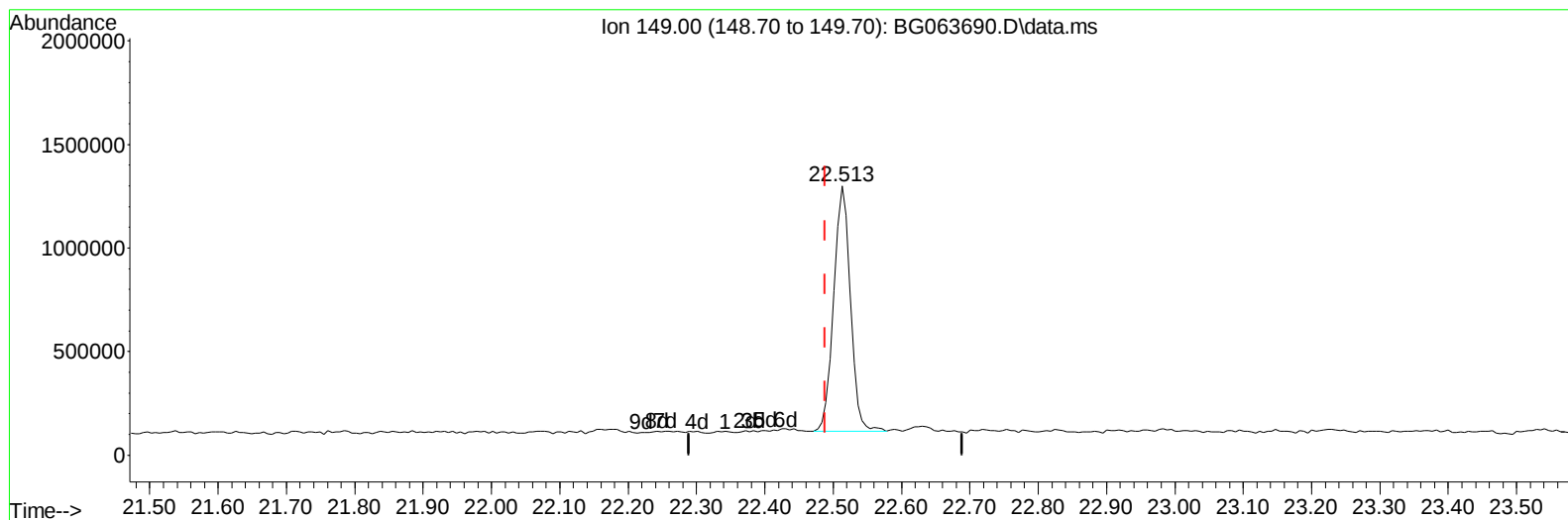
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063690.D
 Acq On : 16 Dec 2024 15:39
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(89) Di-n-octyl phthalate

22.513min (+ 0.024) 76.89 ng/ul m

response 2025766

Ion	Exp%	Act%
149.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

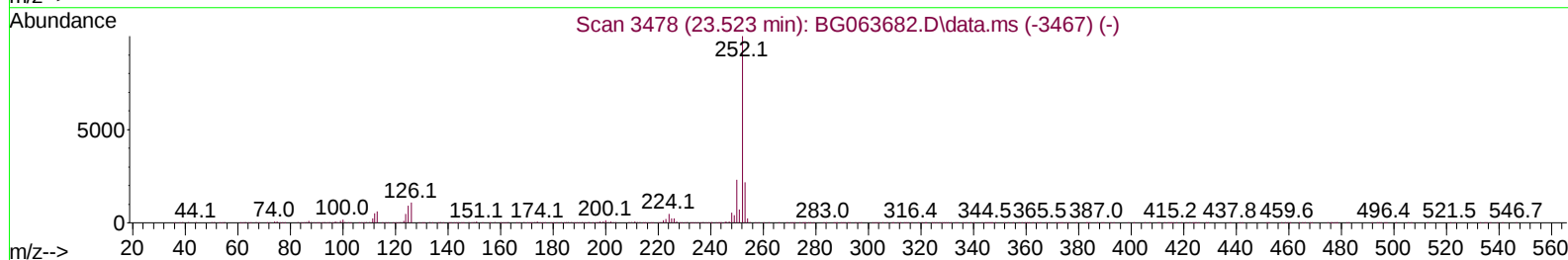
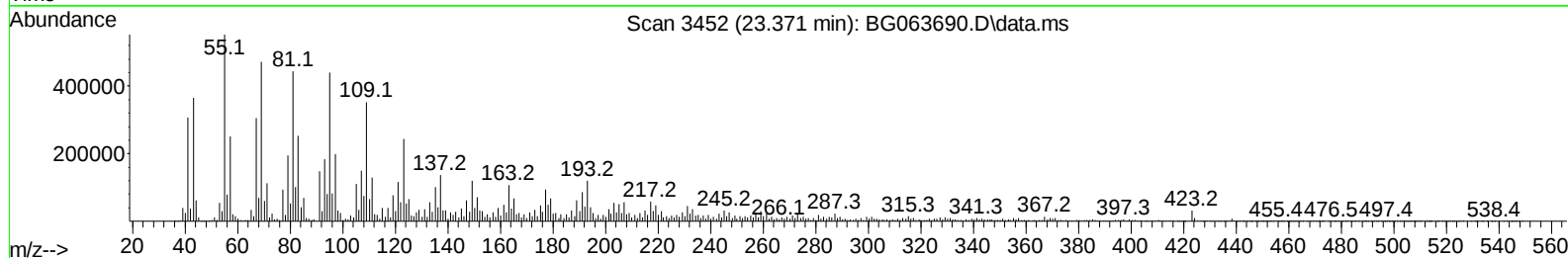
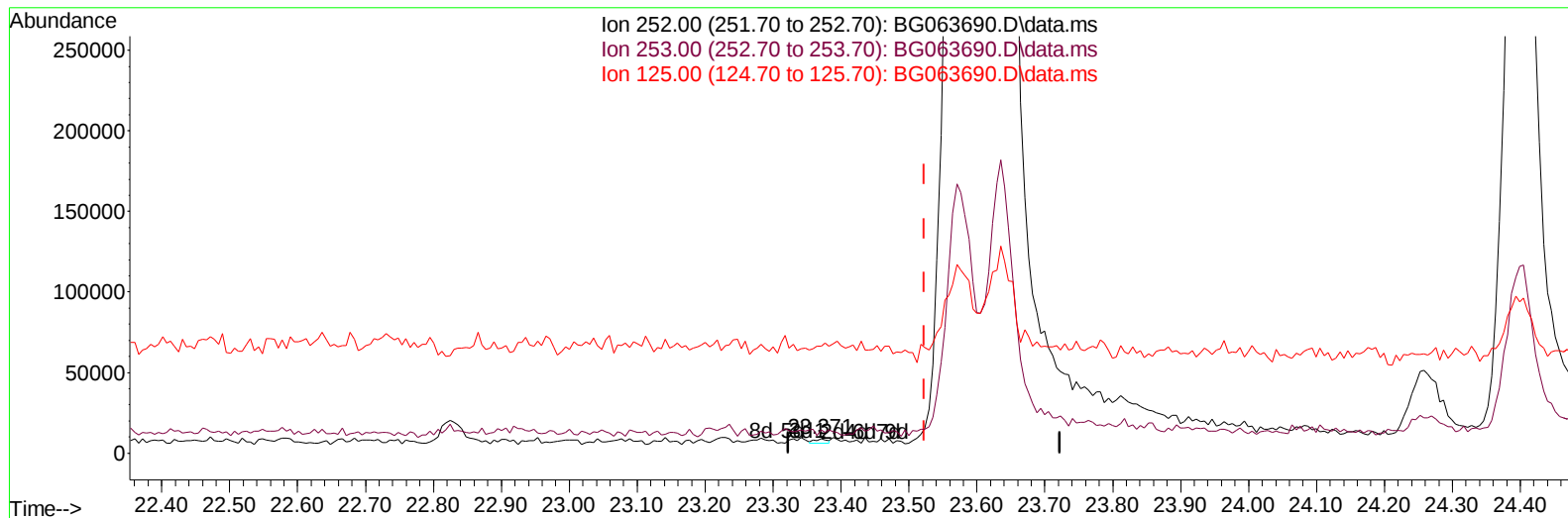
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(90) Benzo(b)fluoranthene

23.371min (-0.152) 0.10 ng/u1

response 3497

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	161.24#
125.00	8.70	737.82#
0.00	0.00	0.00

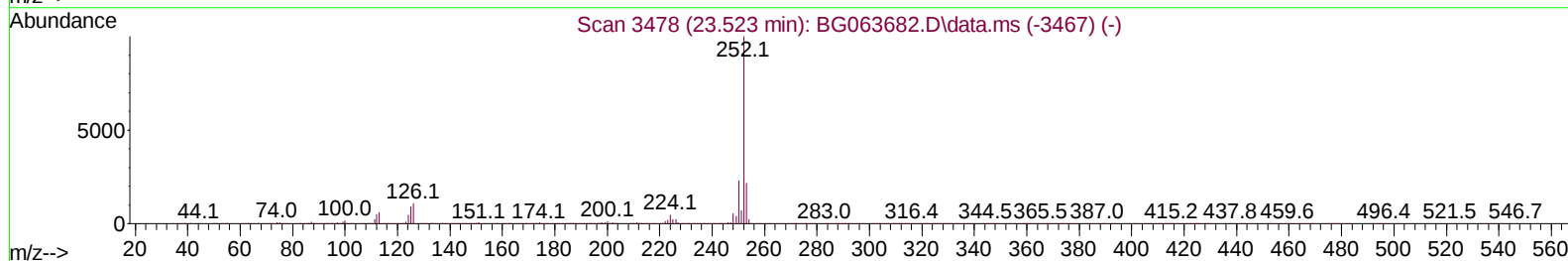
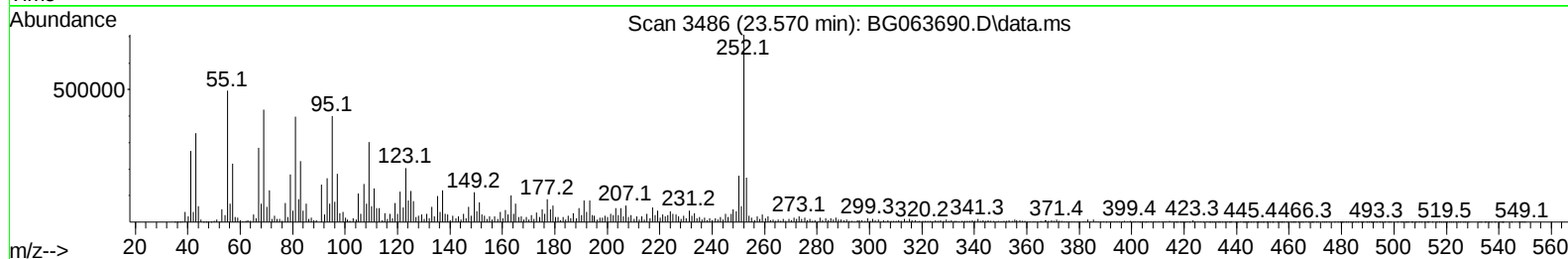
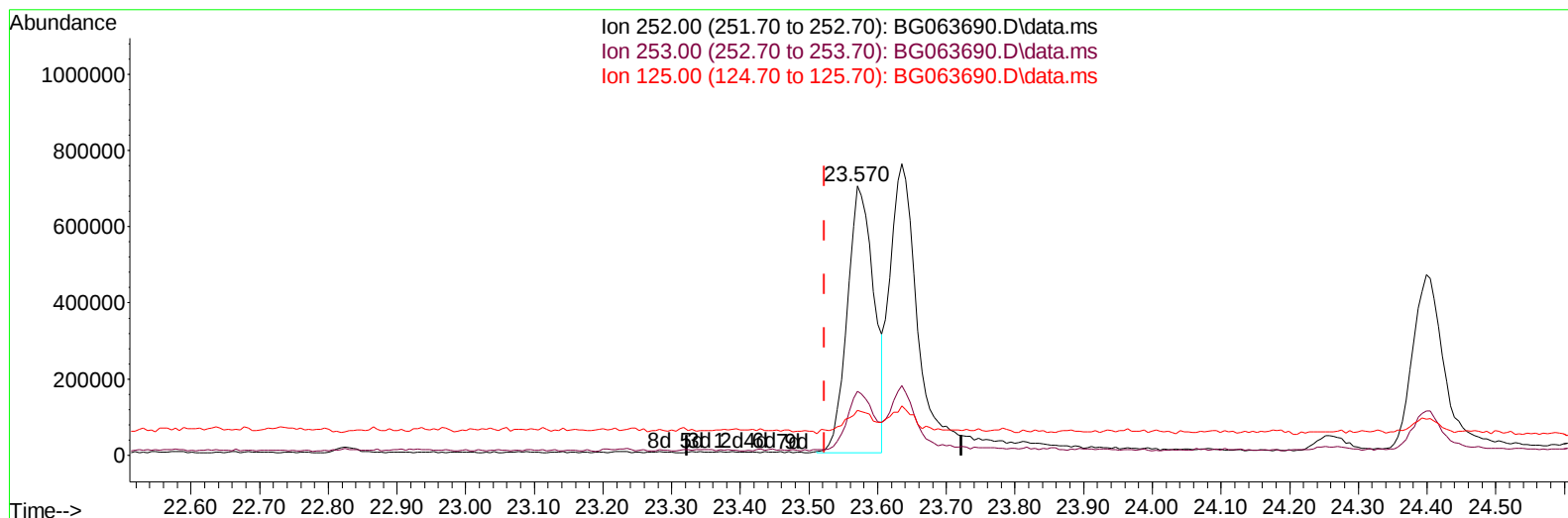
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063690.D
 Acq On : 16 Dec 2024 15:39
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(90) Benzo(b)fluoranthene

23.570min (+ 0.048) 54.52 ng/ul m

response 1891599

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.62
125.00	8.70	16.57#
0.00	0.00	0.00

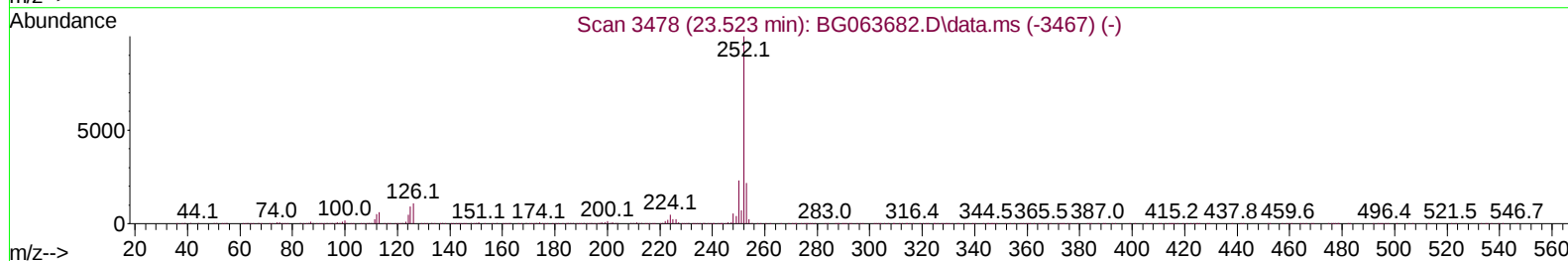
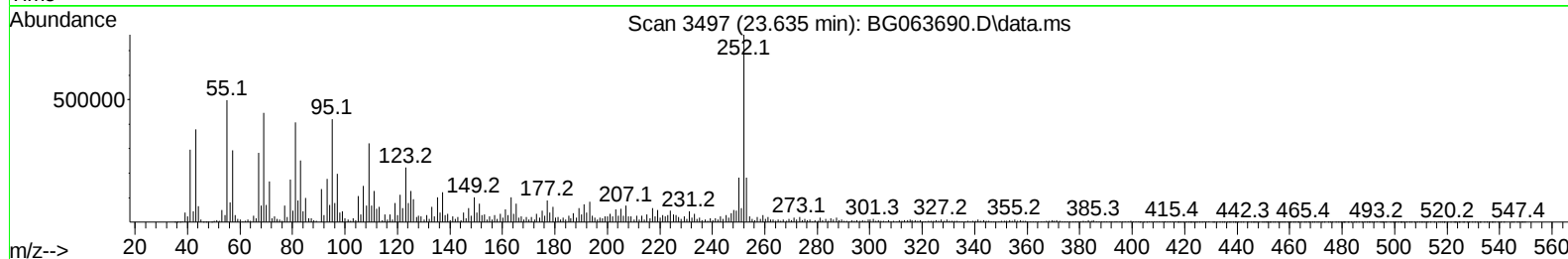
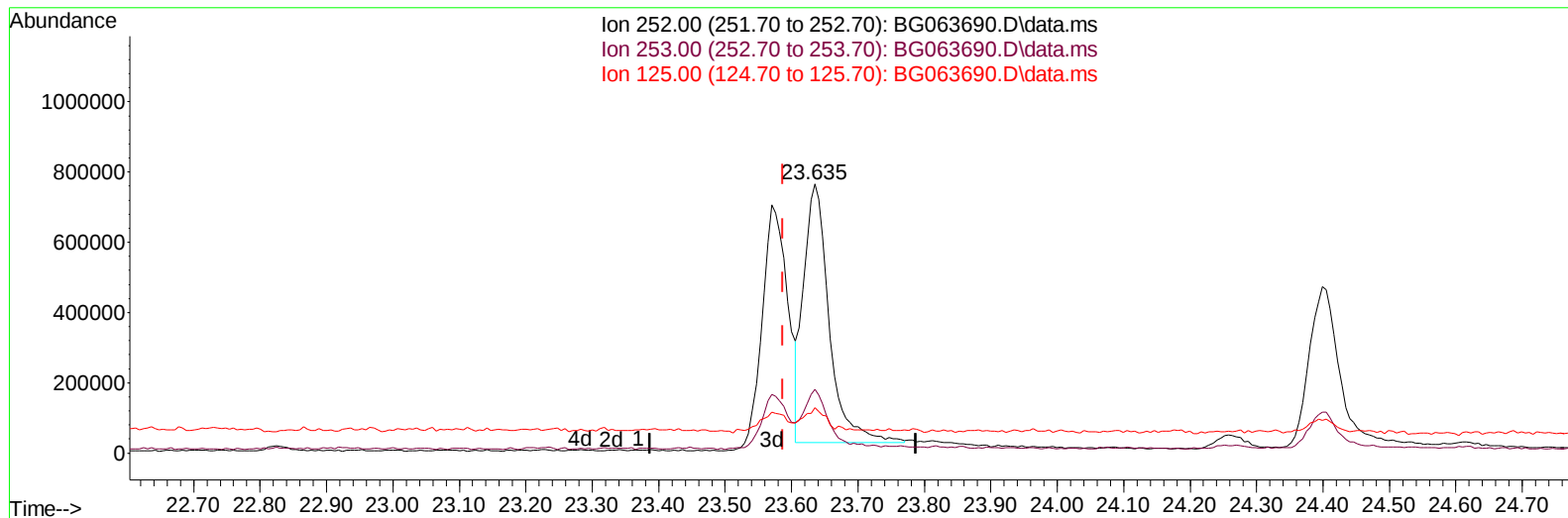
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(91) Benzo(k)fluoranthene

23.635min (+ 0.048) 56.95 ng/ul m

response 1971005

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.75
125.00	8.10	16.79#
0.00	0.00	0.00

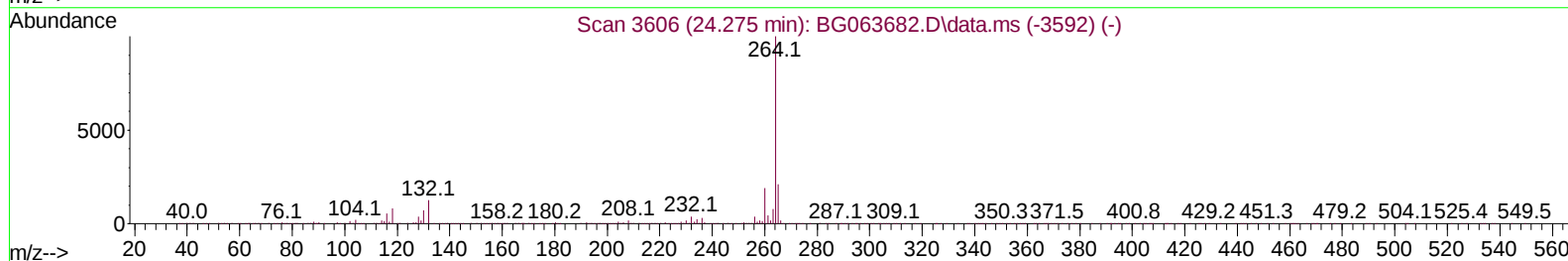
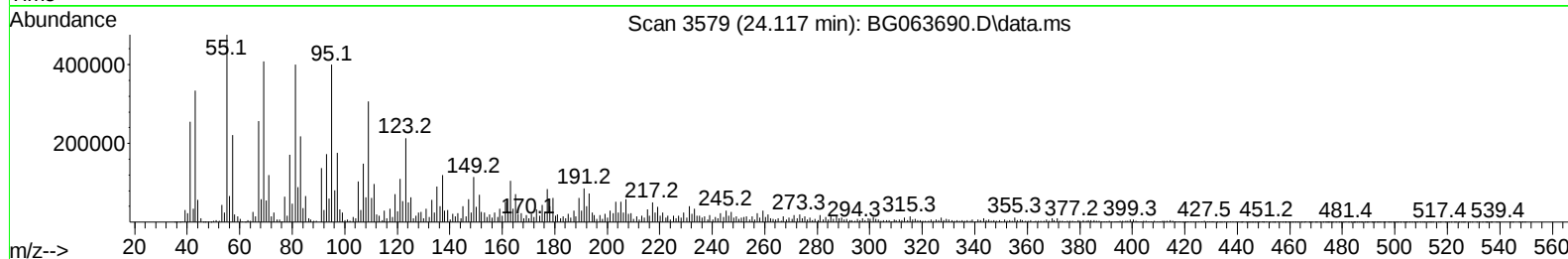
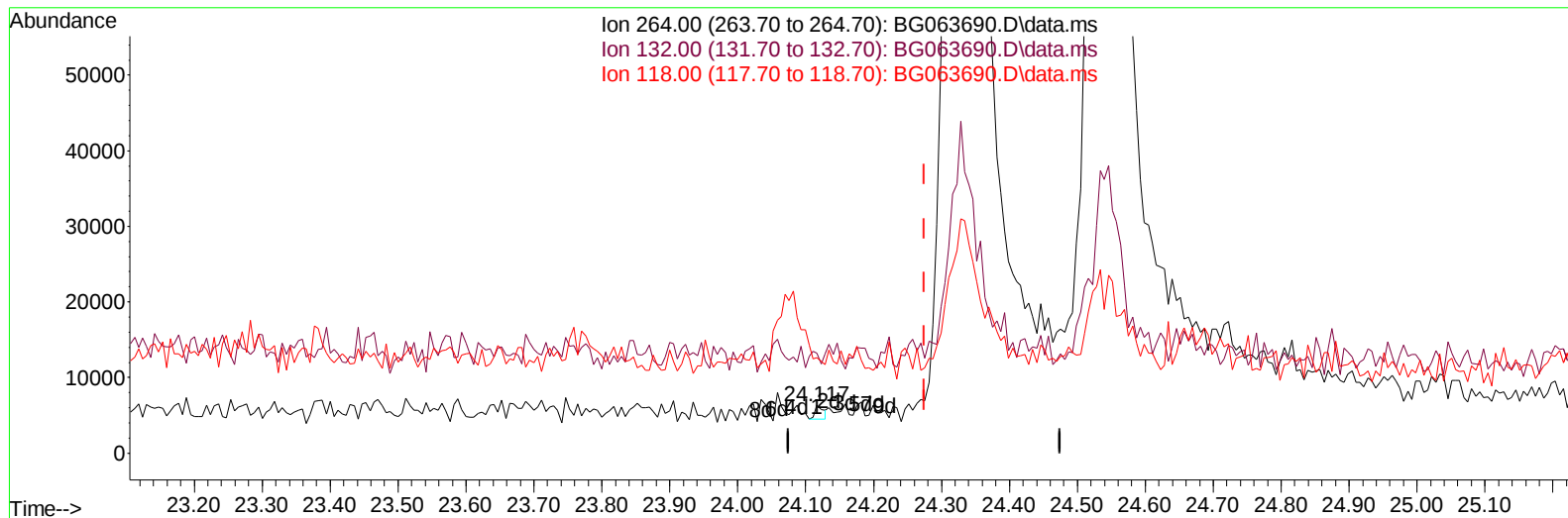
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

24.117min (-0.158) 0.05 ng/u1

response 1567

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	208.81#
118.00	6.90	199.59#
0.00	0.00	0.00

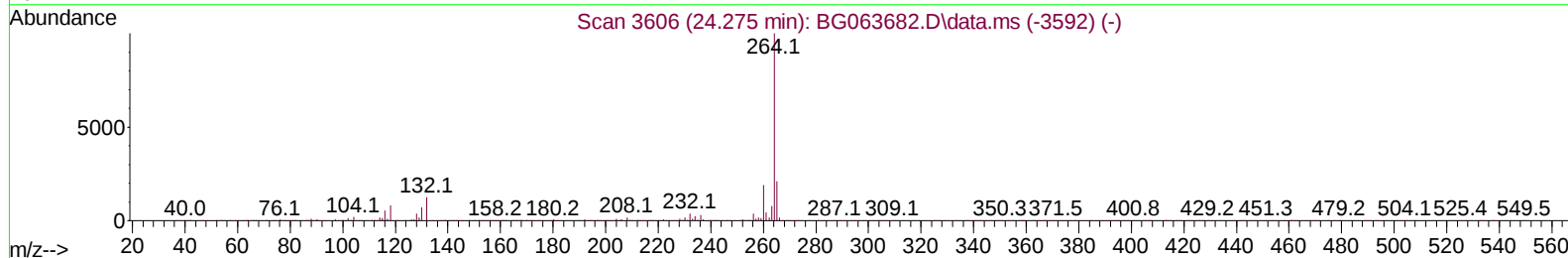
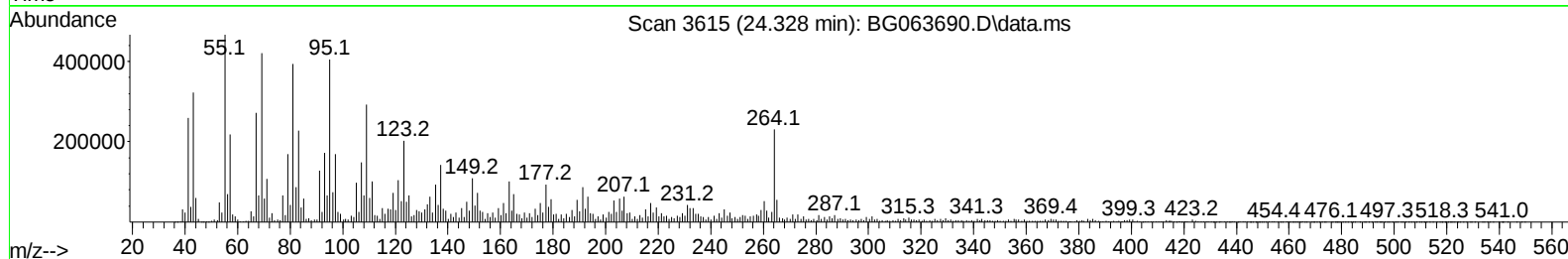
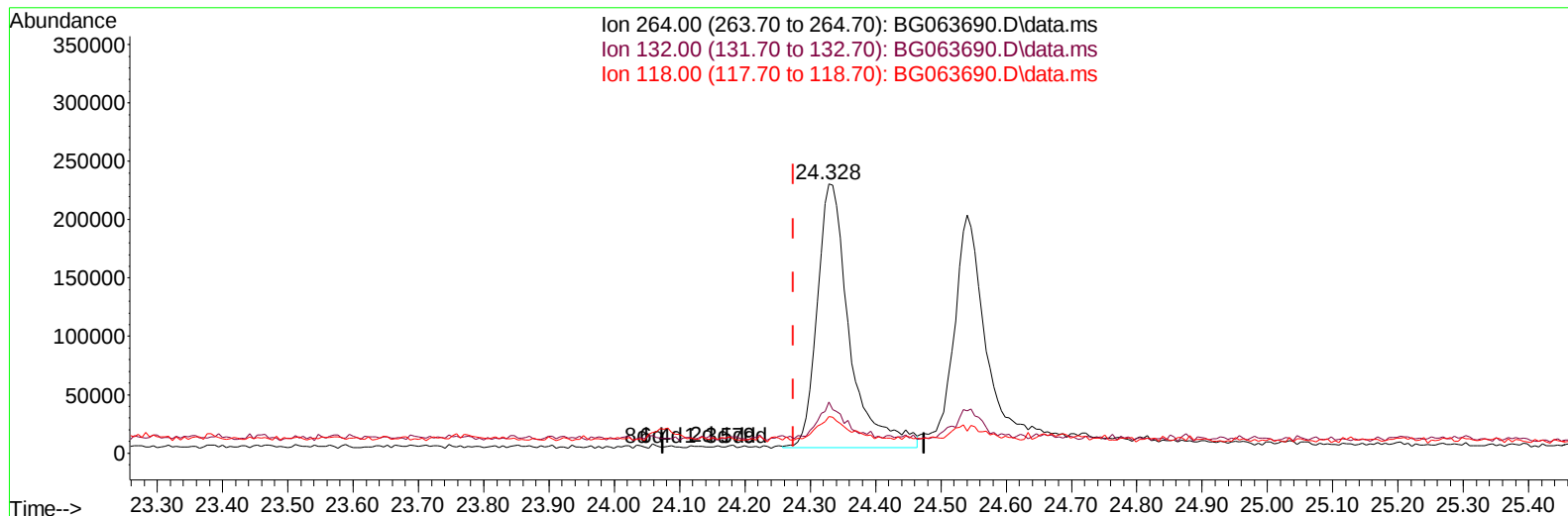
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

24.328min (+ 0.053) 27.10 ng/ul m

response 776769

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	19.07#
118.00	6.90	13.47#
0.00	0.00	0.00

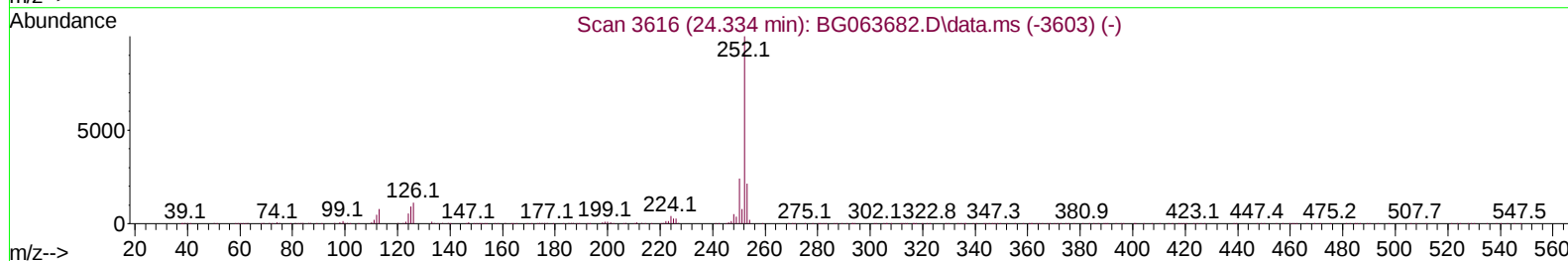
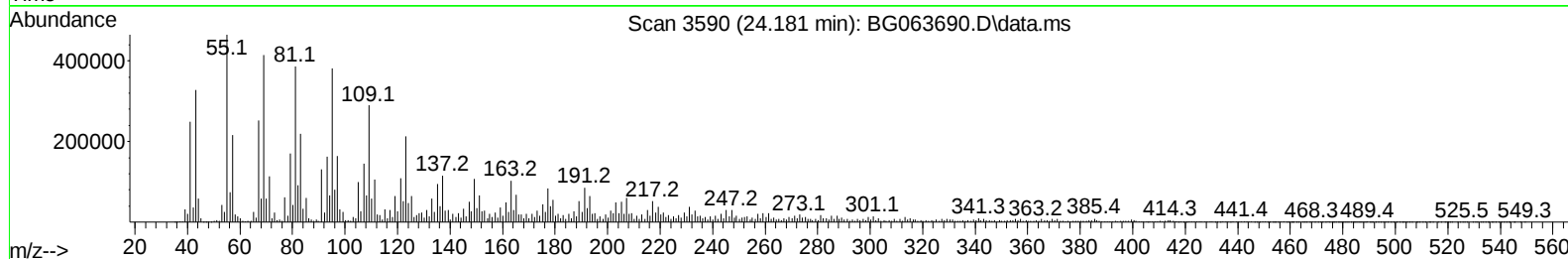
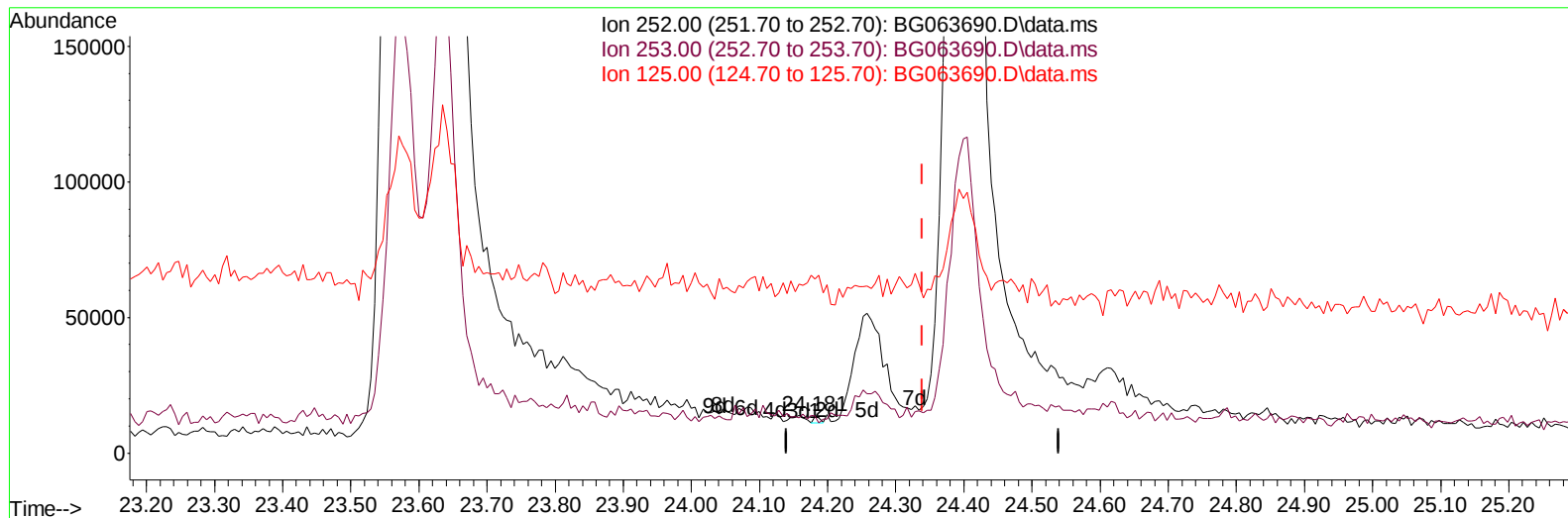
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(93) Benzo(a)pyrene (C)

24.181min (-0.158) 0.05 ng/u1

response 1526

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	100.71#
125.00	10.00	474.18#
0.00	0.00	0.00

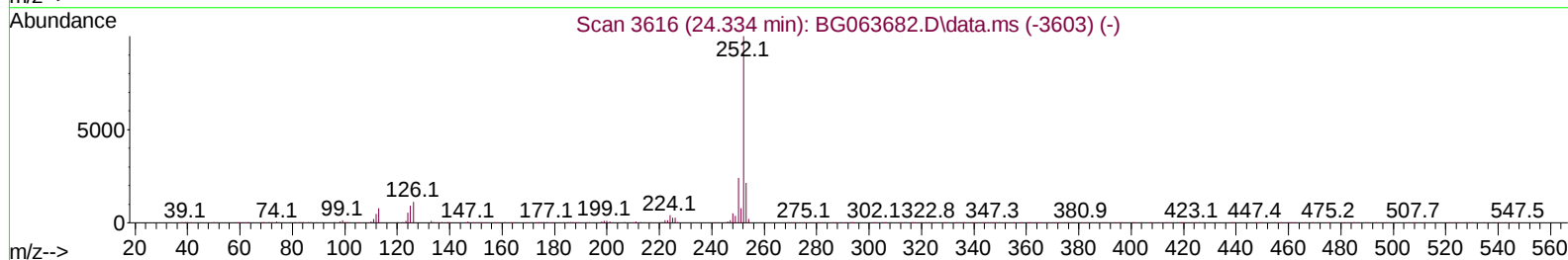
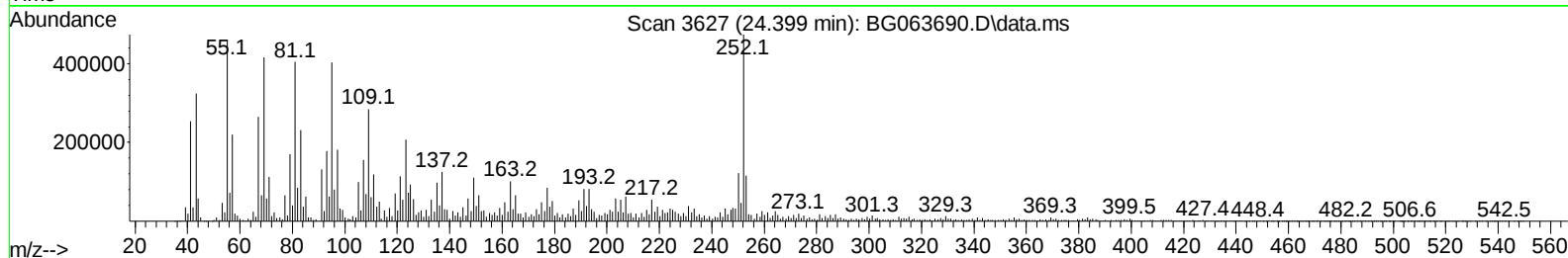
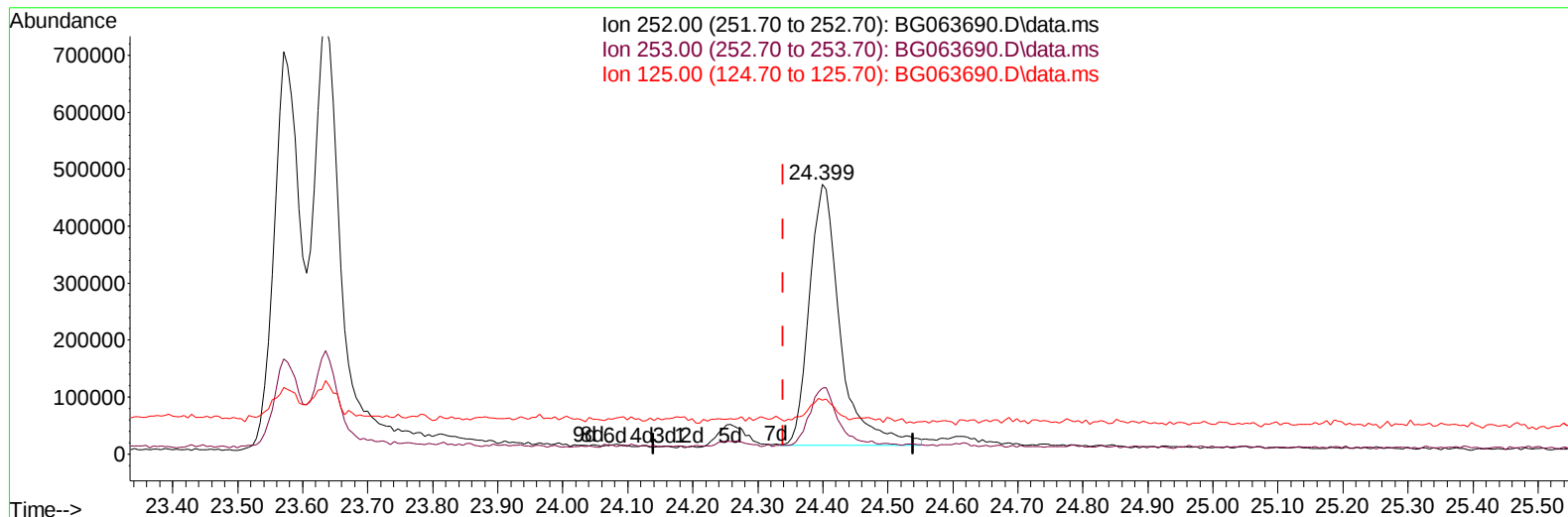
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(93) Benzo(a)pyrene (C)

24.399min (+ 0.059) 46.64 ng/ul m

response 1518664

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	24.47
125.00	10.00	19.85#
0.00	0.00	0.00

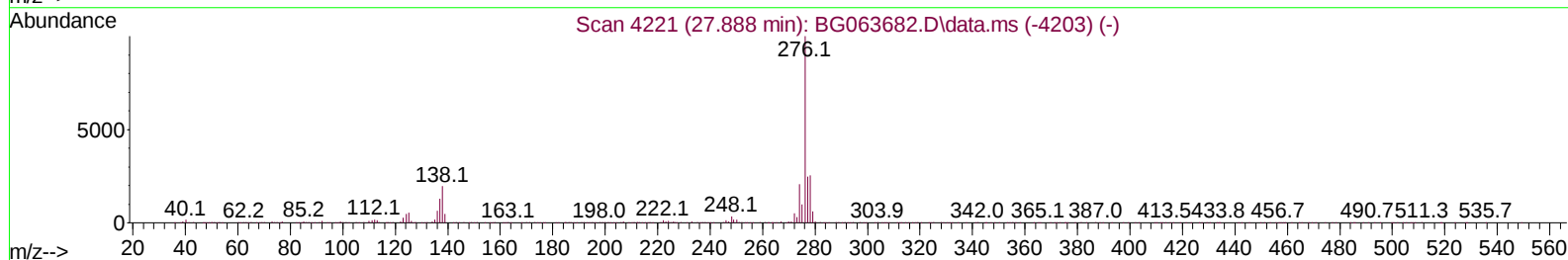
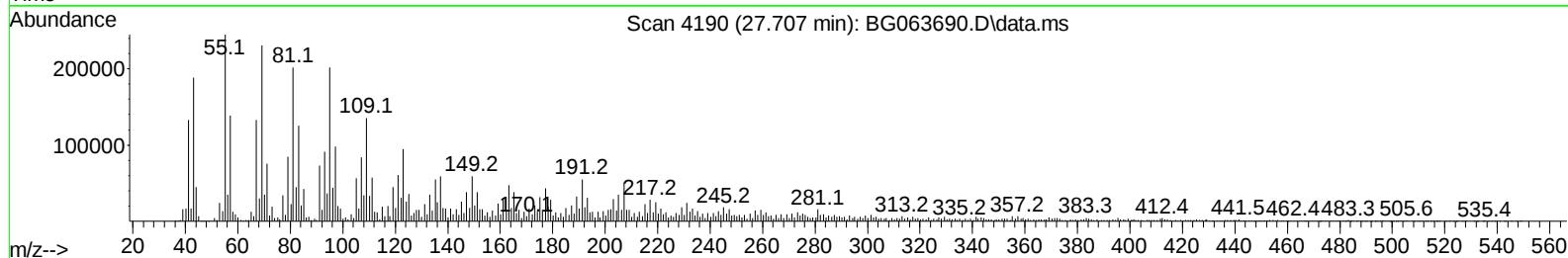
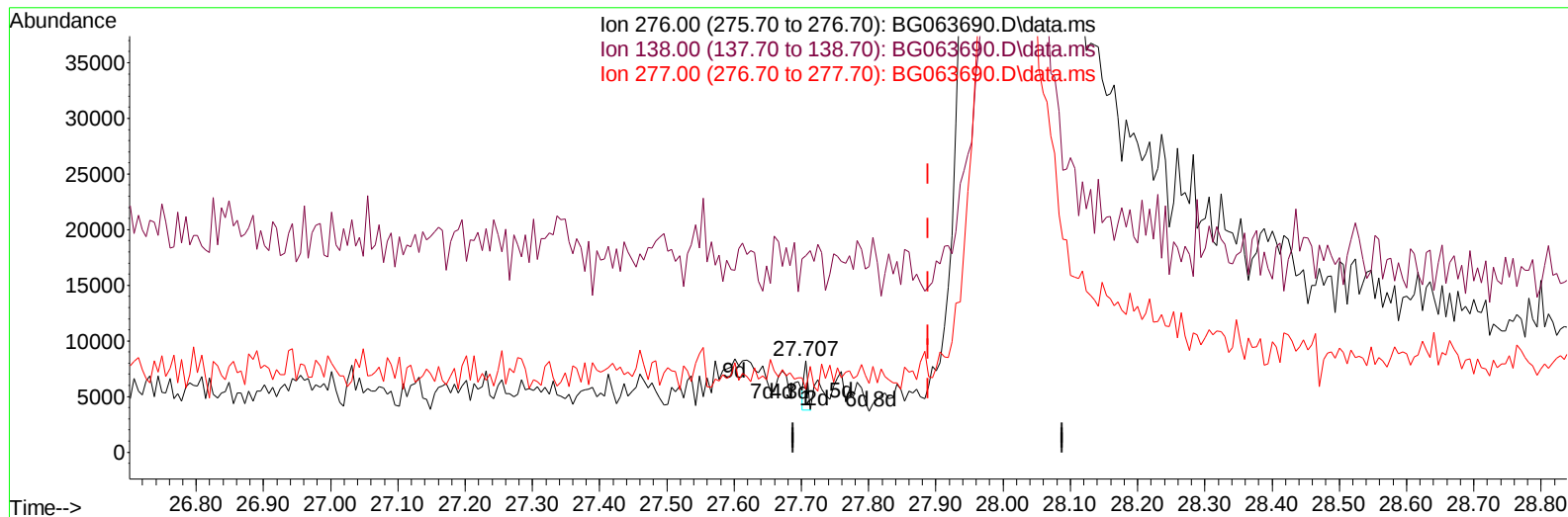
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:09:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

27.707min (-0.182) 0.04 ng/u1

response 1551

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	215.37#
277.00	23.00	68.89#
0.00	0.00	0.00

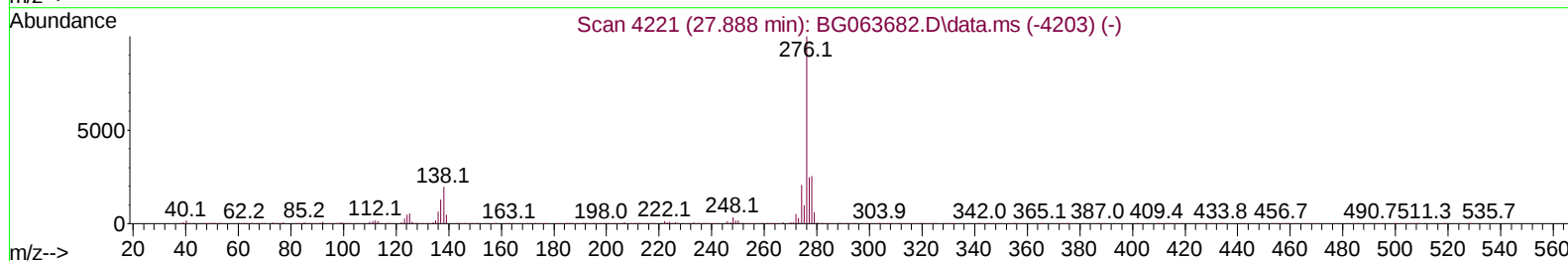
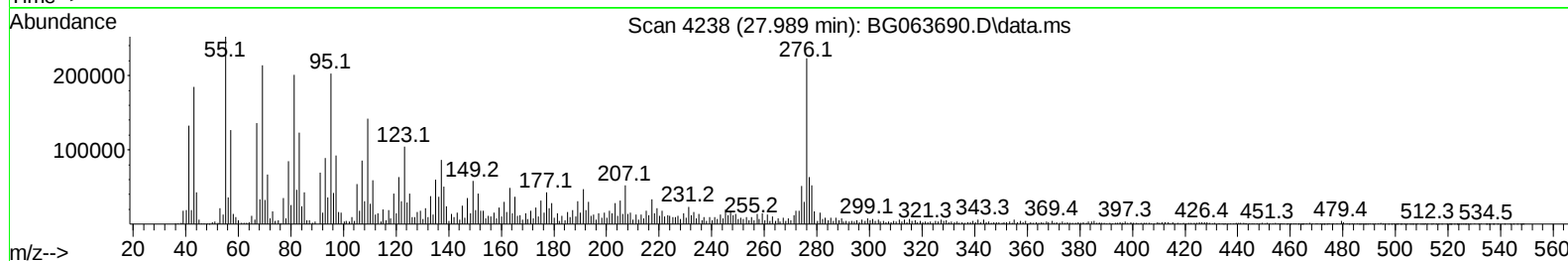
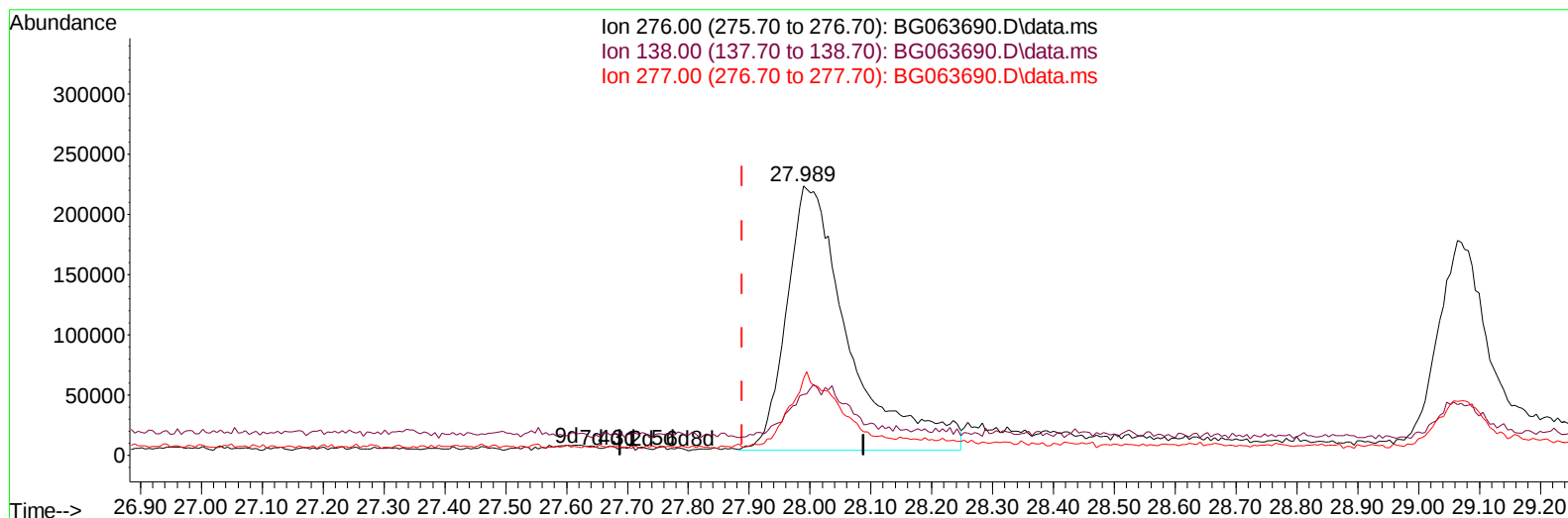
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

27.989min (+ 0.101) 39.22 ng/ul m

response 1559911

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	22.49#
277.00	23.00	28.55#
0.00	0.00	0.00

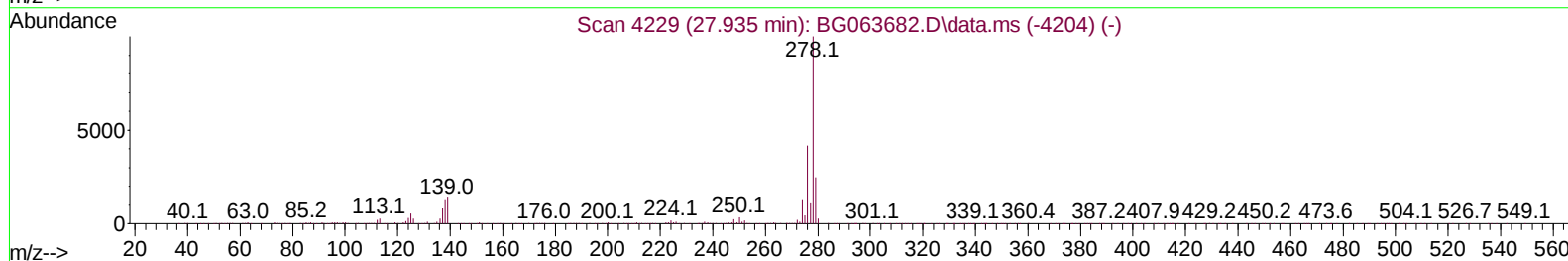
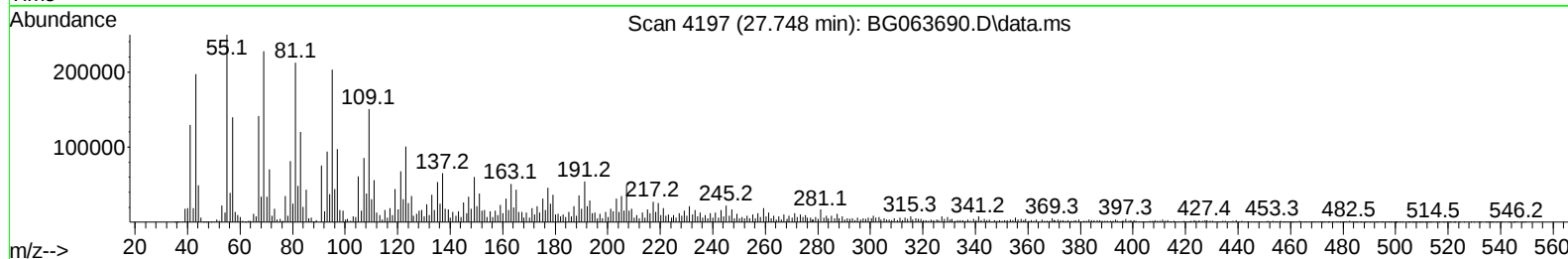
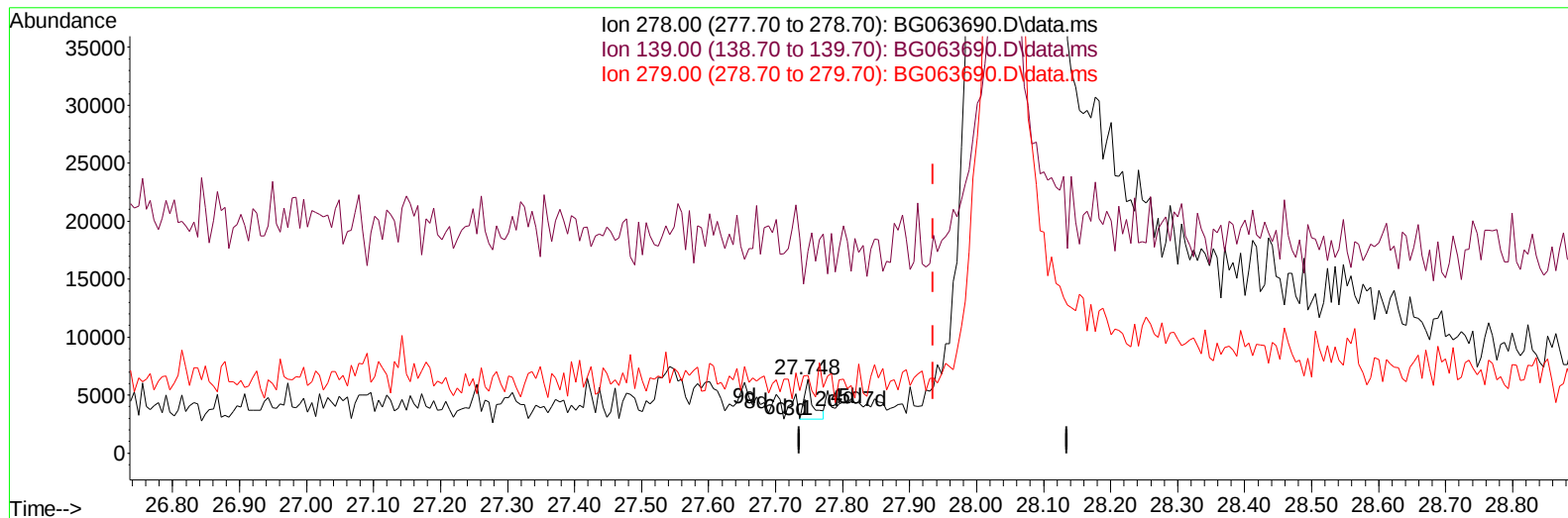
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(95) Dibenzo(a,h)anthracene

27.748min (-0.187) 0.09 ng/u1

response 3012

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.10	272.13#
279.00	21.60	104.82#
0.00	0.00	0.00

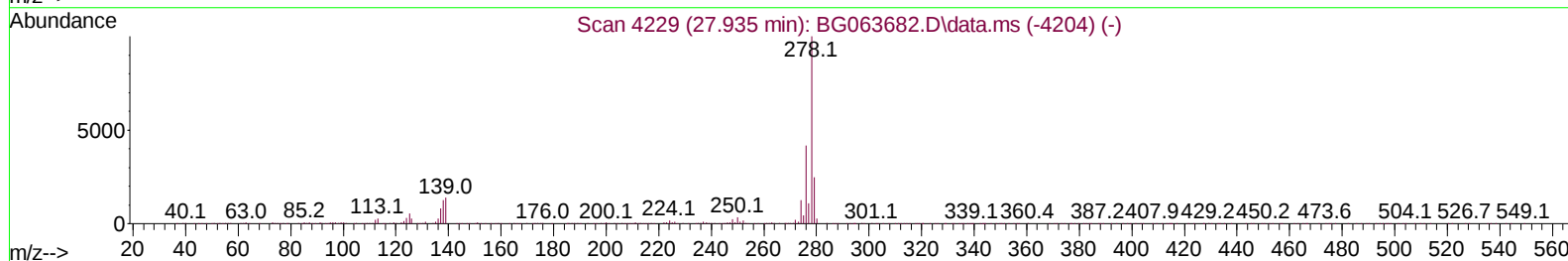
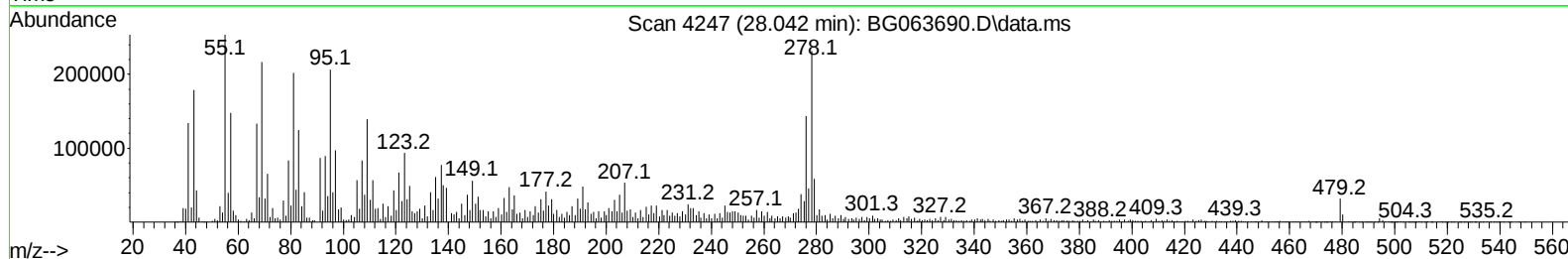
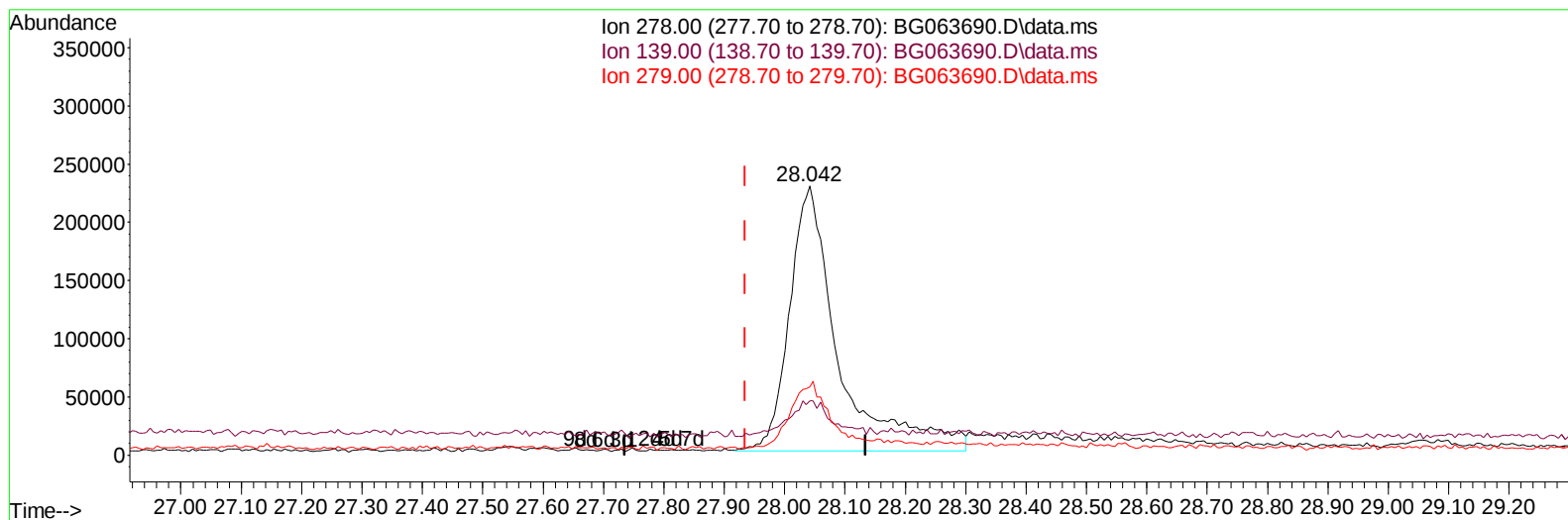
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

(95) Dibenzo(a,h)anthracene

28.042min (+ 0.106) 40.50 ng/ul m

response 1288687

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.10	20.09#
279.00	21.60	25.42
0.00	0.00	0.00

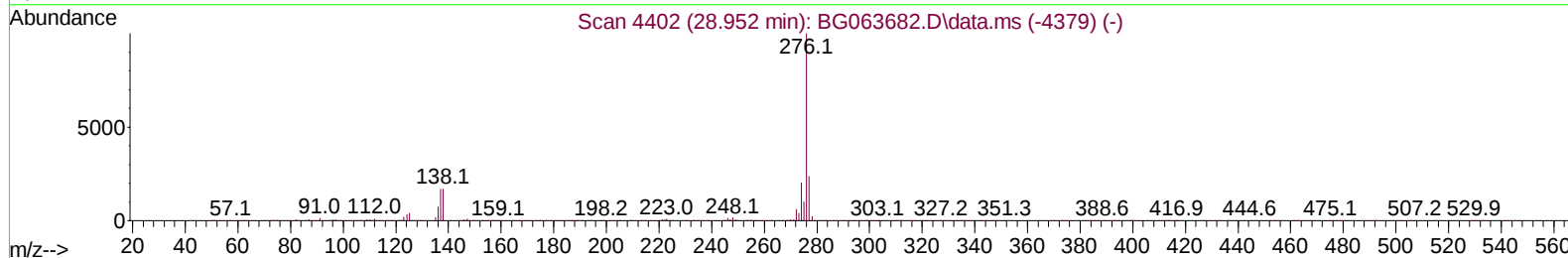
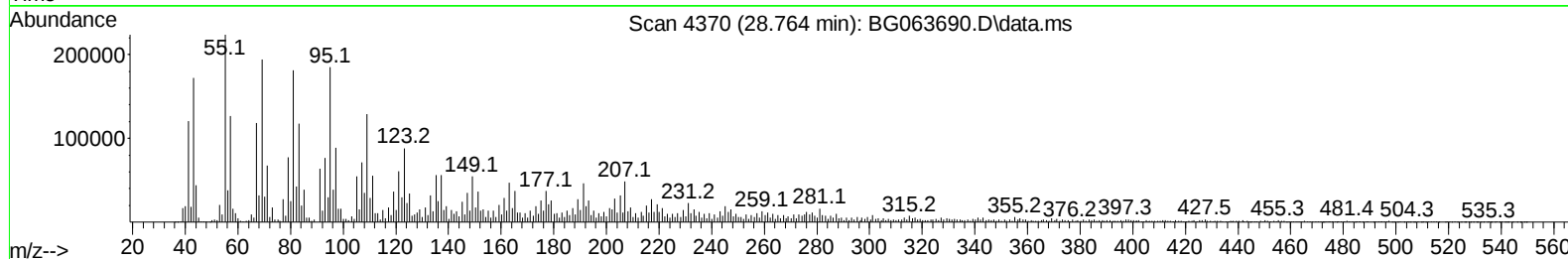
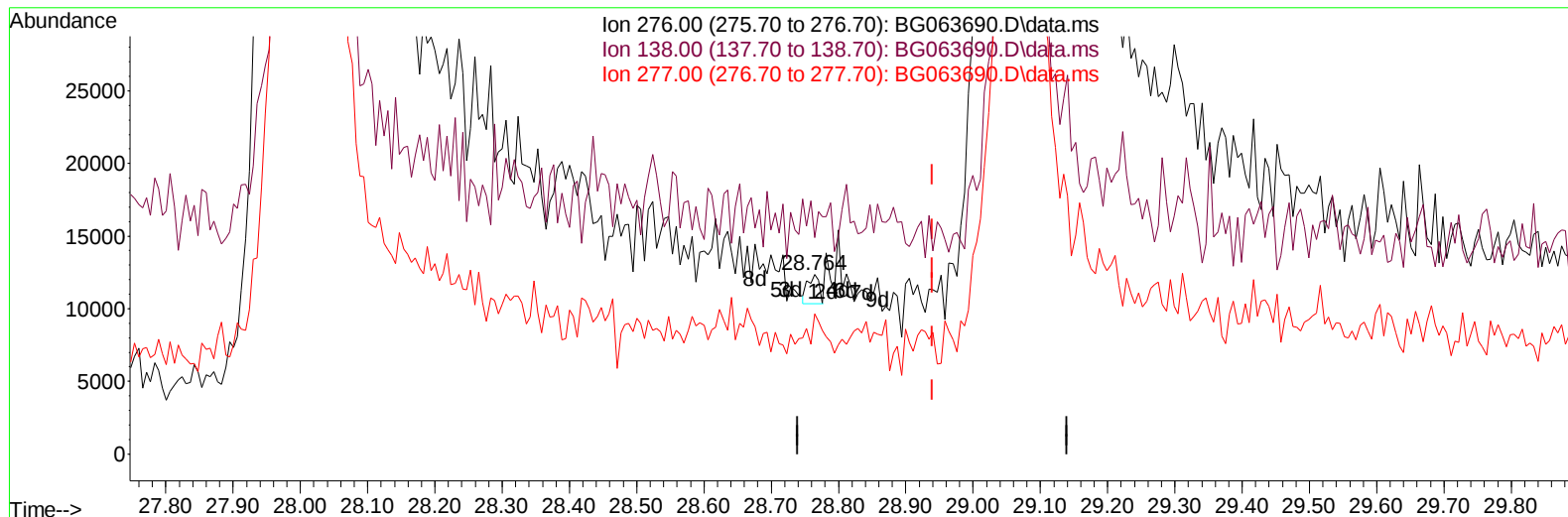
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:12:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

28.764min (-0.176) 0.07 ng/u1

response 2313

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	120.39#
277.00	22.30	78.00#
0.00	0.00	0.00

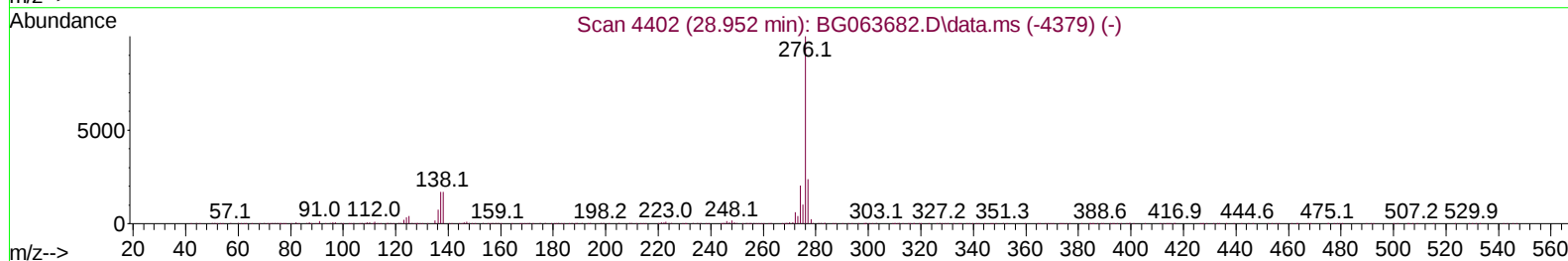
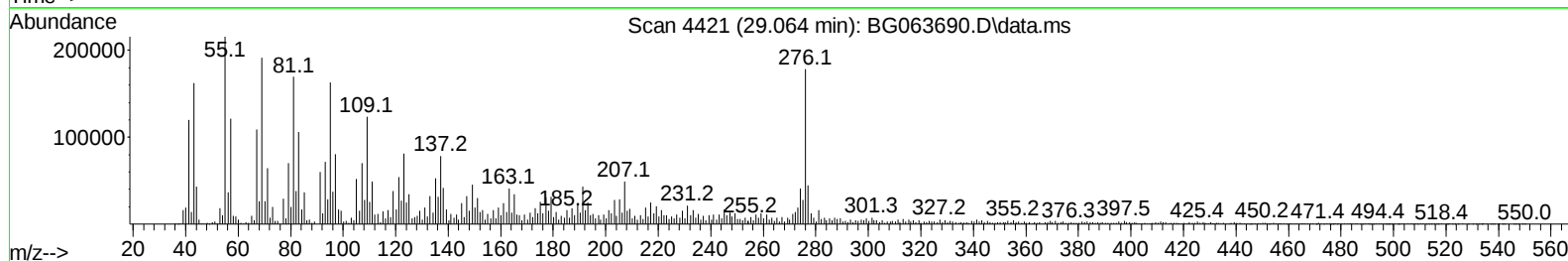
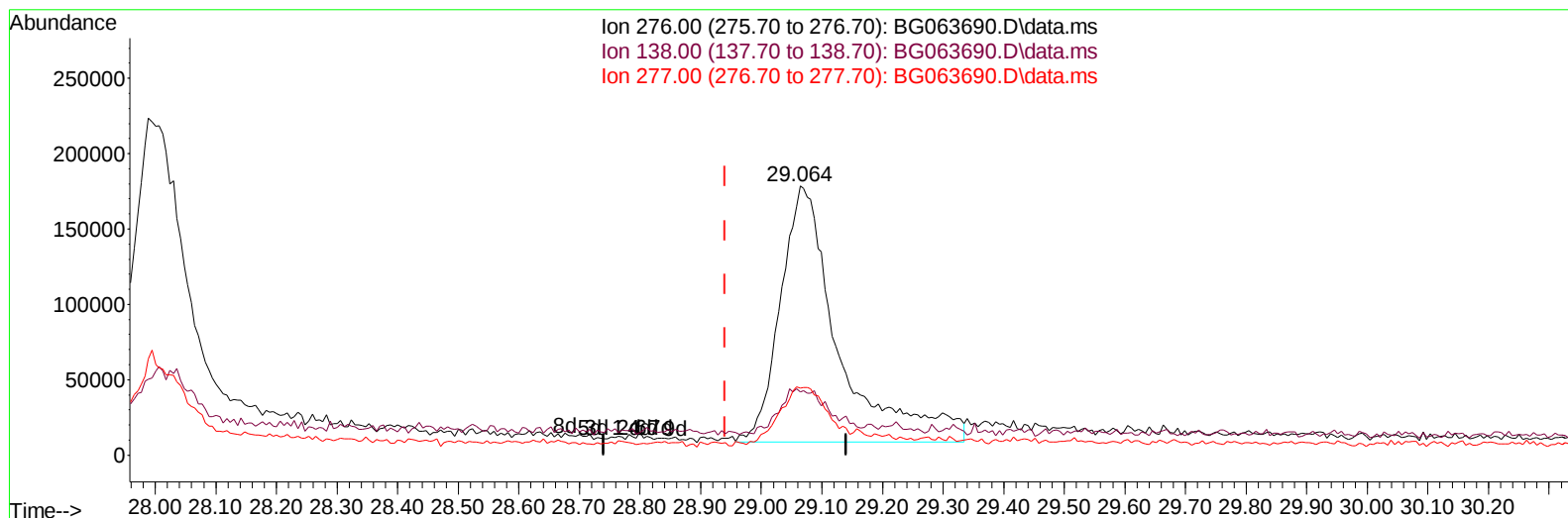
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063690.D
Acq On : 16 Dec 2024 15:39
Operator : RC/JU
Sample : P5153-19MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



TIC: BG063690.D\data.ms

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

29.064min (+ 0.124) 36.19 ng/ul m

response 1142109

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	23.40#
277.00	22.30	24.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063690.D
 Acq On : 16 Dec 2024 15:39
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:15:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	186665	20.000	ng/ul	0.00
20) Naphthalene-d8	10.609	136	746273	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.458	164	470693	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.213	188	918165	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.479	240	766624	20.000	ng/ul	# 0.02
88) Perylene-d12	24.540	264	610415m	20.000	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.277	96	20993	4.407	ng/uL	0.00
4) Pyridine-d5	3.694	84	350172	23.304	ng/ul	0.00
7) Phenol-d5	7.013	99	466789	27.152	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.149	67	326966	27.537	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	346873	31.166	ng/ul	0.01
15) 4-Methylphenol-d8	8.547	113	296595	22.221	ng/ul	0.02
21) Nitrobenzene-d5	8.976	128	143890	27.004	ng/ul	0.00
24) 2-Nitrophenol-d4	9.693	143	31148	5.215	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.245	165	365383	31.596	ng/ul	0.01
31) 4-Chloroaniline-d4	10.750	131	80120m	5.457	ng/ul	0.00
46) Dimethylphthalate-d6	13.864	166	1005663	31.399	ng/ul	0.00
49) Acenaphthylene-d8	14.146	160	892705	24.451	ng/ul	0.00
54) 4-Nitrophenol-d4	14.704	143	55336m	12.194	ng/ul	0.03
60) Fluorene-d10	15.451	176	855144	30.198	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.313	188	1134876	28.749	ng/ul	0.00
81) Pyrene-d10	19.616	212	1228001	30.782	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.328	264	776769m	27.098	ng/ul	0.05
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.312	88	63298	11.229	ng/uL#	74
5) Pyridine	3.711	79	529060	32.871	ng/ul	96
6) Benzaldehyde	6.955	77	117290	11.122	ng/ul	94
8) Phenol	7.043	94	727642	39.714	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.242	93	526629	37.567	ng/ul	97
12) 2-Chlorophenol	7.389	128	503152	44.660	ng/ul	96
13) 2-Methylphenol	8.277	108	518637	39.165	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.335	45	821489	39.474	ng/ul	99
16) Acetophenone	8.635	105	863787	38.155	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.623	70	474150	35.100	ng/ul	97
18) 4-Methylphenol	8.606	108	585005	40.364	ng/ul	97
19) Hexachloroethane	8.888	117	143170	25.863	ng/ul	96
22) Nitrobenzene	9.017	77	553254	31.093	ng/ul	95
23) Isophorone	9.534	82	1266152	37.661	ng/ul	99
25) 2-Nitrophenol	9.722	139	42688	6.954	ng/ul#	82
26) 2,4-Dimethylphenol	9.798	107	517768	37.172	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.016	93	719887	39.589	ng/ul#	91
29) 2,4-Dichlorophenol	10.274	162	499696	43.488	ng/ul	99
30) Naphthalene	10.656	128	1695451	45.441	ng/ul	99
32) 4-Chloroaniline	10.780	127	188323	13.480	ng/ul	99
33) Hexachlorobutadiene	10.938	225	374284	40.094	ng/ul	97
34) Caprolactam	11.561	113	155134m	39.057	ng/ul	
35) 4-Chloro-3-methylphenol	11.925	107	616766m	45.720	ng/ul	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
 Data File : BG063690.D
 Acq On : 16 Dec 2024 15:39
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4MSD

Manual IntegrationsAPPROVED

Quant Time: Dec 17 04:15:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.272	142	1260136	46.992	ng/ul	98
37) 1-Methylnaphthalene	12.489	142	1158472	42.412	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.648	216	657875	43.660	ng/ul	97
40) Hexachlorocyclopentadiene	12.624	237	6633	1.114	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.901	196	406375	47.717	ng/ul	97
42) 2,4,5-Trichlorophenol	12.983	196	423703	47.672	ng/ul	98
43) 1,1'-Biphenyl	13.288	154	1507858	48.576	ng/ul	95
44) 2-Chloronaphthalene	13.329	162	1192633	47.845	ng/ul	100
45) 2-Nitroaniline	13.535	65	194501	23.295	ng/ul	94
47) Dimethylphthalate	13.911	163	1298009	40.437	ng/ul	99
48) 2,6-Dinitrotoluene	14.035	165	55769	9.355	ng/ul	97
50) Acenaphthylene	14.181	152	1319245	33.698	ng/ul	98
51) 3-Nitroaniline	14.369	138	65231	11.835	ng/ul#	83
52) Acenaphthene	14.522	153	1230251	44.337	ng/ul	96
55) 4-Nitrophenol	14.722	109	105963	22.487	ng/ul	92
56) Dibenzofuran	14.857	168	1718593	43.931	ng/ul	100
57) 2,4-Dinitrotoluene	14.834	165	54442	6.146	ng/ul#	70
58) 2,3,4,6-Tetrachlorophenol	15.104	232	317935	41.498	ng/ul#	96
59) Diethylphthalate	15.280	149	1305144	42.059	ng/ul	97
61) Fluorene	15.509	166	1310631	41.957	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.498	204	689785	39.637	ng/ul	99
63) 4-Nitroaniline	15.533	138	101510	18.396	ng/ul	98
67) N-Nitrosodiphenylamine	15.721	169	1102315	49.578	ng/ul	97
68) 4-Bromophenyl-phenylether	16.396	248	441543	47.187	ng/ul	94
69) Hexachlorobenzene	16.526	284	467014	44.546	ng/ul	97
70) Atrazine	16.684	200	410251	43.650	ng/ul	98
71) Pentachlorophenol	16.884	266	200667m	45.397	ng/ul	
72) Phenanthrene	17.254	178	2232692	50.461	ng/ul	98
74) Anthracene	17.348	178	1905235	42.544	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.253	216	656835	53.618	ng/ul	97
76) Pentachlorobenzene	14.787	250	592370	48.811	ng/ul	100
77) Carbazole	17.624	167	1751495	48.316	ng/ul	100
78) Di-n-butylphthalate	18.177	149	2073306	47.358	ng/ul	97
80) Fluoranthene	19.281	202	2271318	50.093	ng/ul	99
82) Pyrene	19.646	202	2366733	49.061	ng/ul	98
83) Butylbenzylphthalate	20.539	149	819713	55.354	ng/ul	89
85) Benzo(a)anthracene	21.461	228	2145400	44.654	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.367	149	1208869	56.118	ng/ul#	98
87) Chrysene	21.520	228	2172327	47.440	ng/ul	94
89) Di-n-octyl phthalate	22.513	149	2025766m	76.889	ng/ul	
90) Benzo(b)fluoranthene	23.570	252	1891599m	54.524	ng/ul	
91) Benzo(k)fluoranthene	23.635	252	1971005m	56.955	ng/ul	
93) Benzo(a)pyrene	24.399	252	1518664m	46.636	ng/ul	
94) Indeno(1,2,3-cd)pyrene	27.989	276	1559911m	39.225	ng/ul	
95) Dibenzo(a,h)anthracene	28.042	278	1288687m	40.498	ng/ul	
96) Benzo(g,h,i)perylene	29.064	276	1142109m	36.192	ng/ul	

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

