

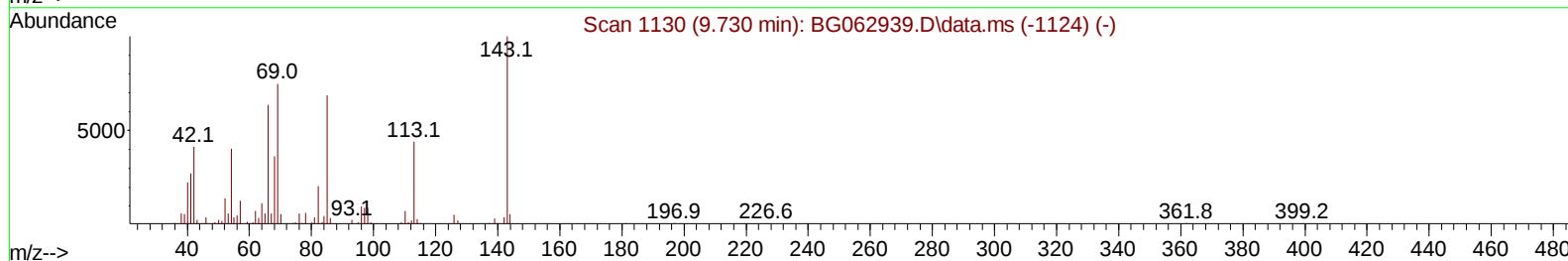
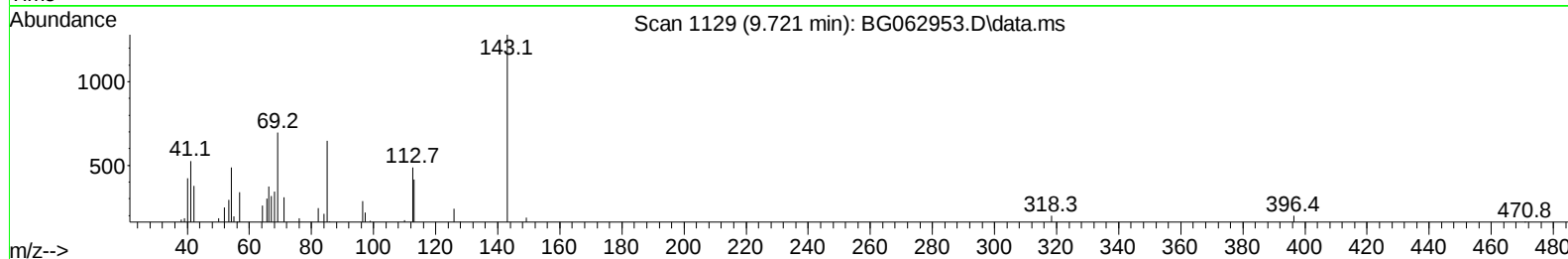
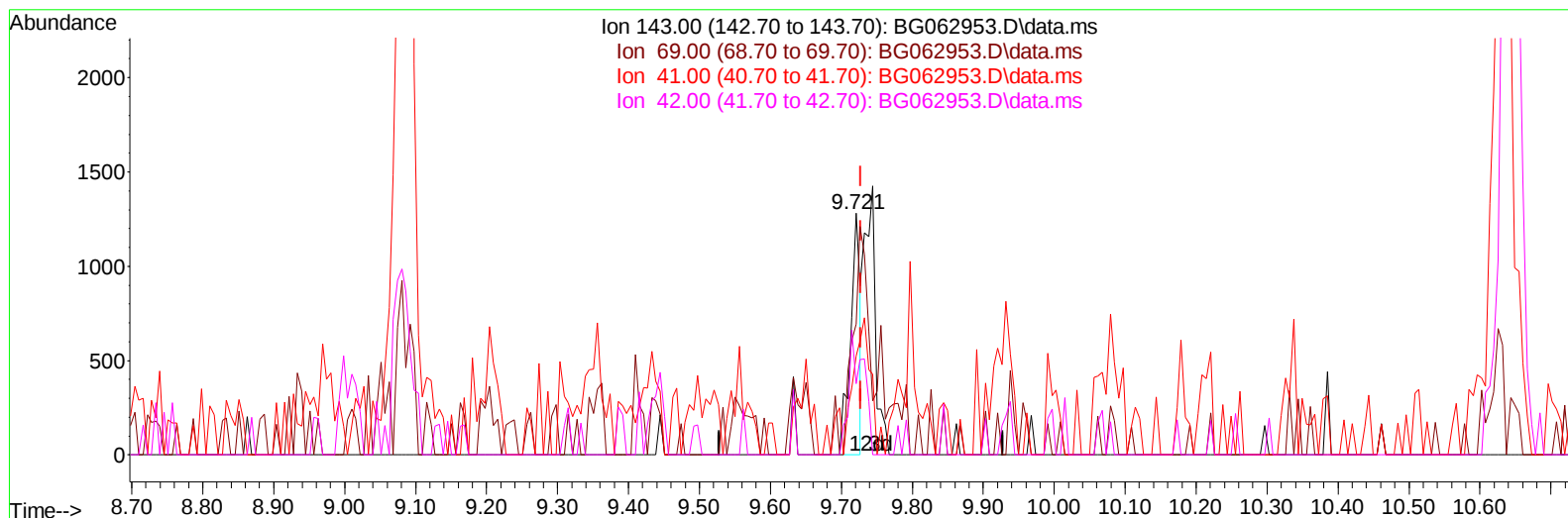
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
 Data File : BG062953.D  
 Acq On : 19 Sep 2024 21:27  
 Operator : JU/RC  
 Sample : P3877-02MEDL 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:48:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:45:18 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
 Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.721min (-0.007) 0.90 ng/u1

response 1244

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 76.30  | 54.25# |
| 41.00  | 28.60  | 40.98# |
| 42.00  | 39.90  | 29.51# |

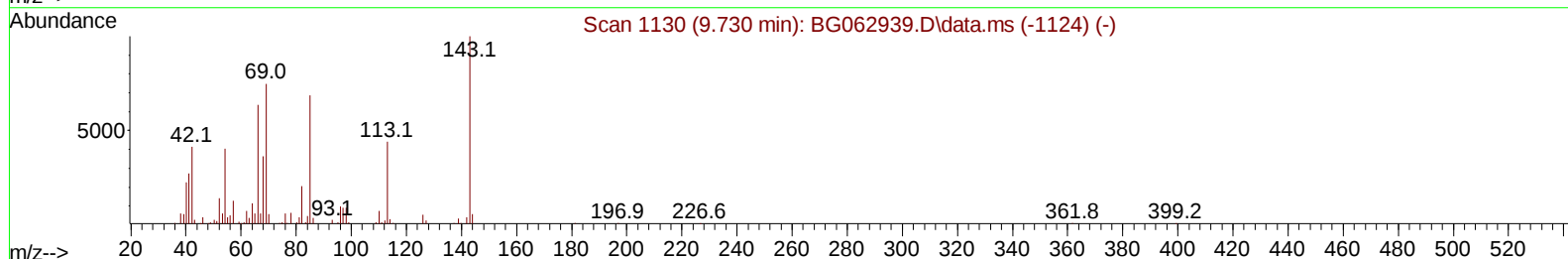
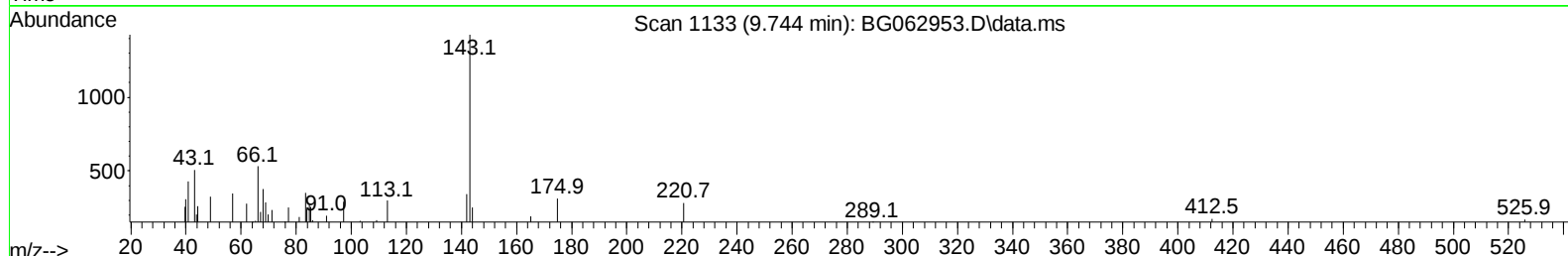
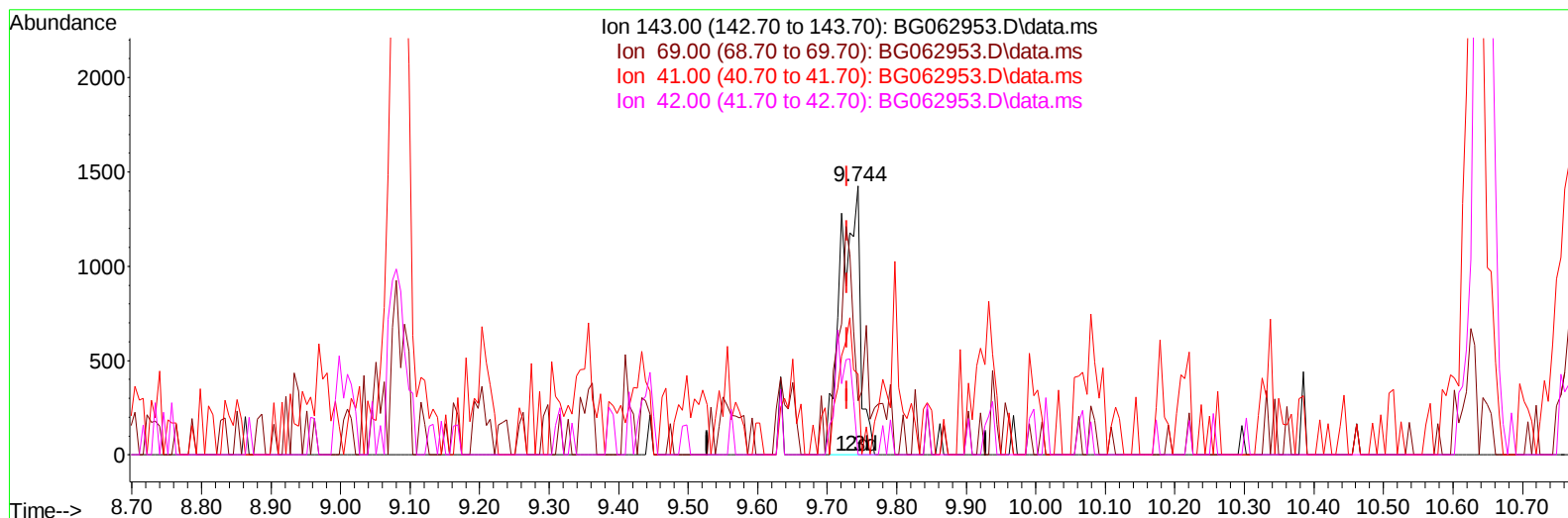
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
 Data File : BG062953.D  
 Acq On : 19 Sep 2024 21:27  
 Operator : JU/RC  
 Sample : P3877-02MEDL 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:48:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:45:18 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
 Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(24) 2-Nitrophenol-d4 (S)**

**9.744min (+ 0.016) 2.01 ng/ul m**

**response 2798**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 76.30  | 20.21# |
| 41.00  | 28.60  | 29.96  |
| 42.00  | 39.90  | 0.00#  |

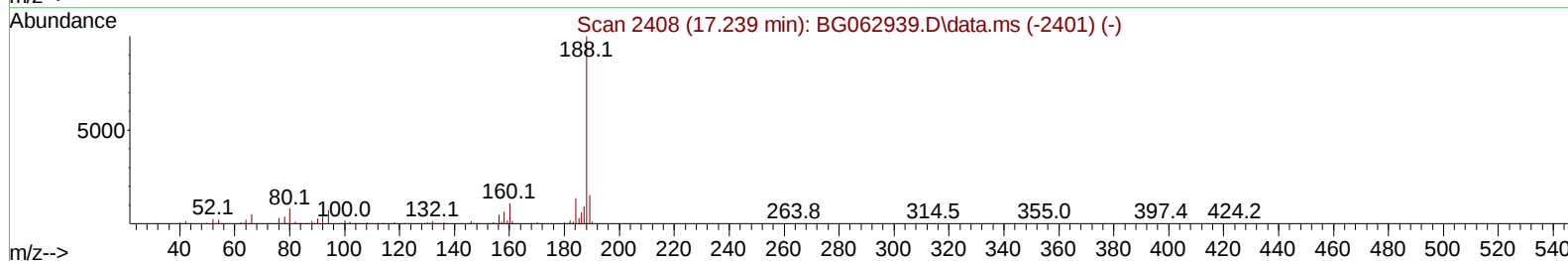
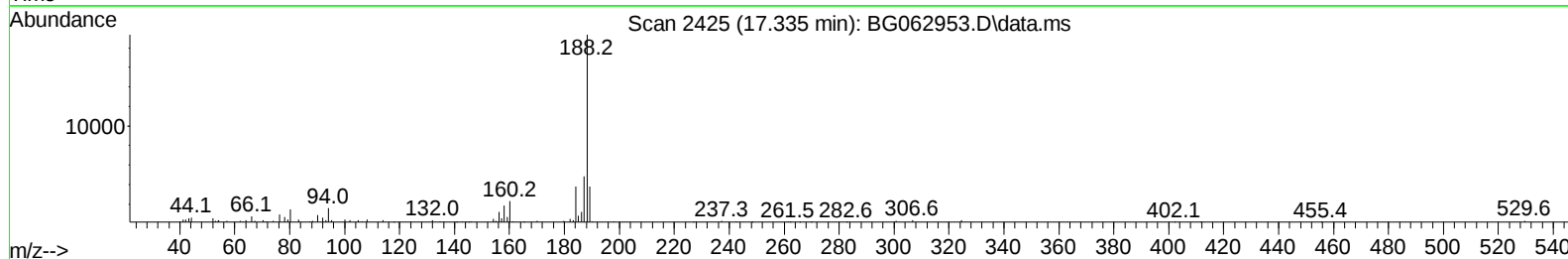
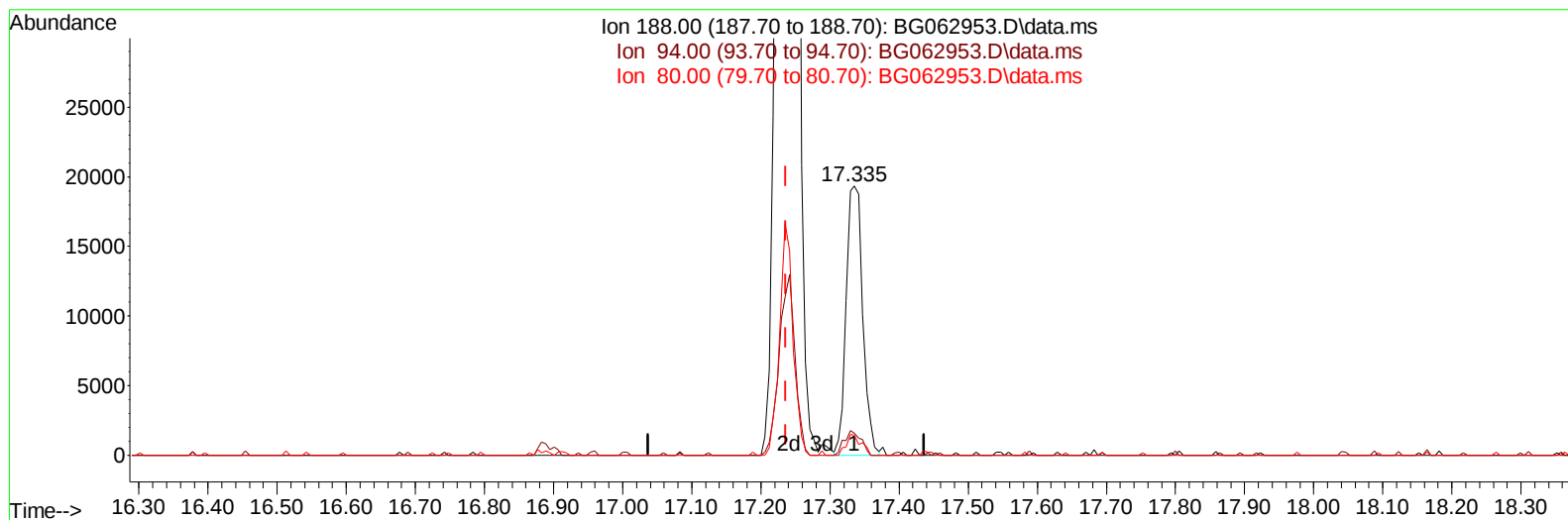
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:48:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(64) Phenanthrene-d10 (I)**

17.335min (+ 0.099) 20.00 ng/u1

response 31823

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 8.20   | 8.08   |
| 80.00  | 8.70   | 7.56   |
| 0.00   | 0.00   | 0.00   |

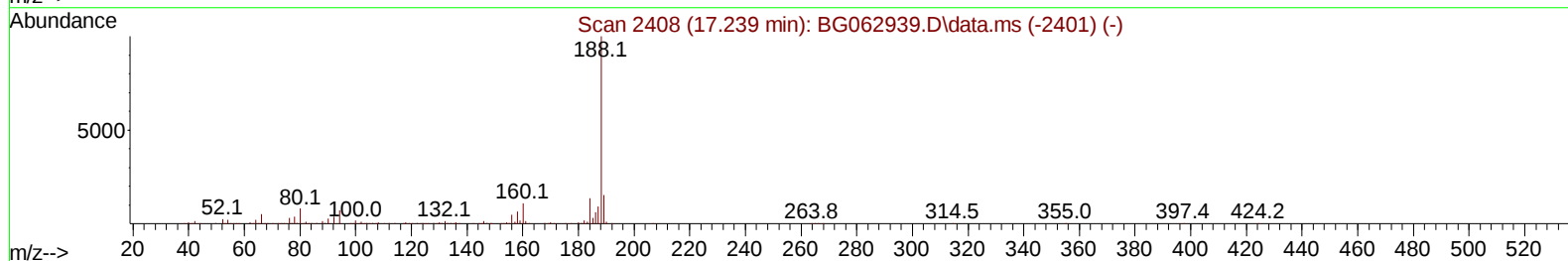
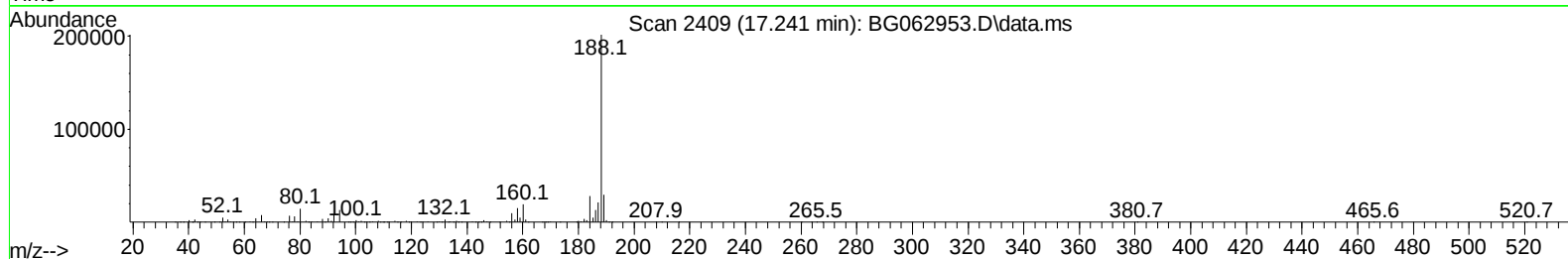
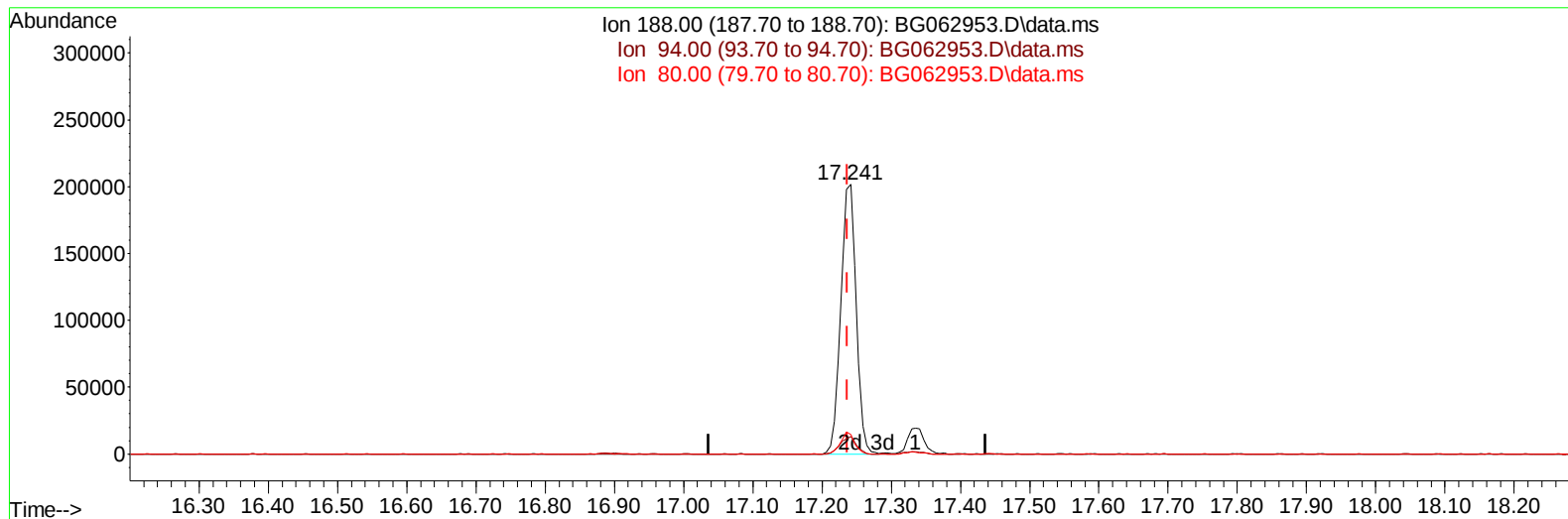
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:48:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(64) Phenanthrene-d10 (I)**

17.241min (+ 0.005) 20.00 ng/ul m

response 311044

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 8.20   | 6.43#  |
| 80.00  | 8.70   | 7.28   |
| 0.00   | 0.00   | 0.00   |

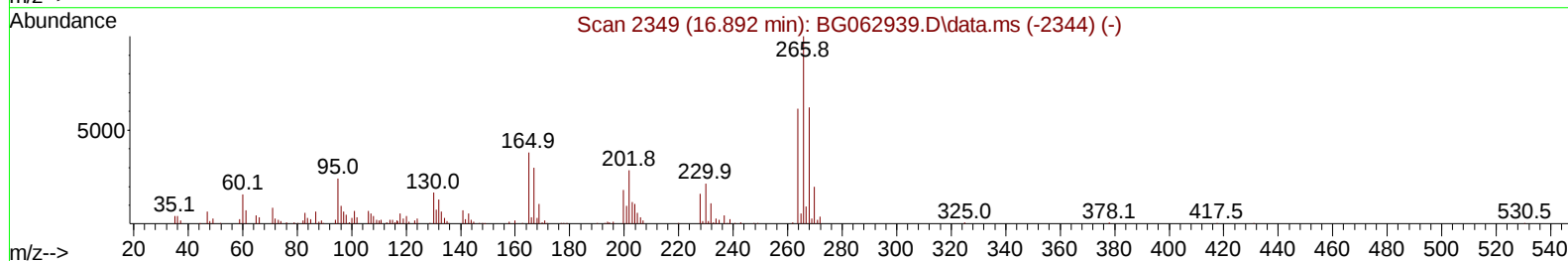
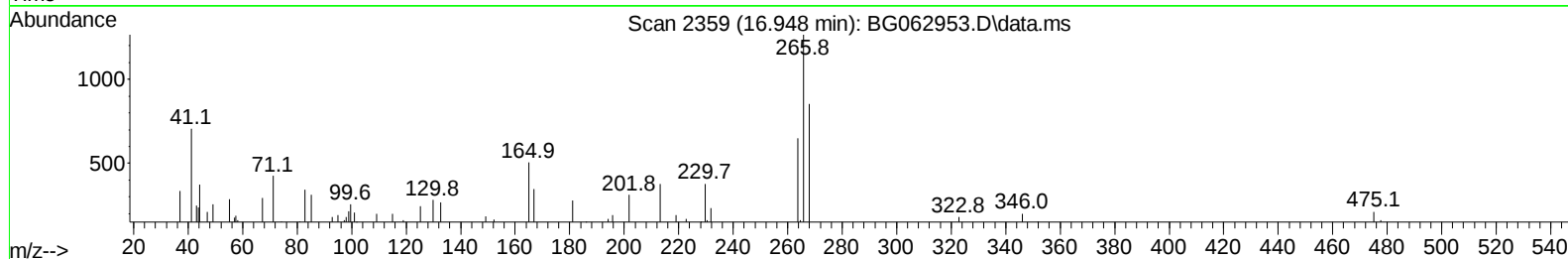
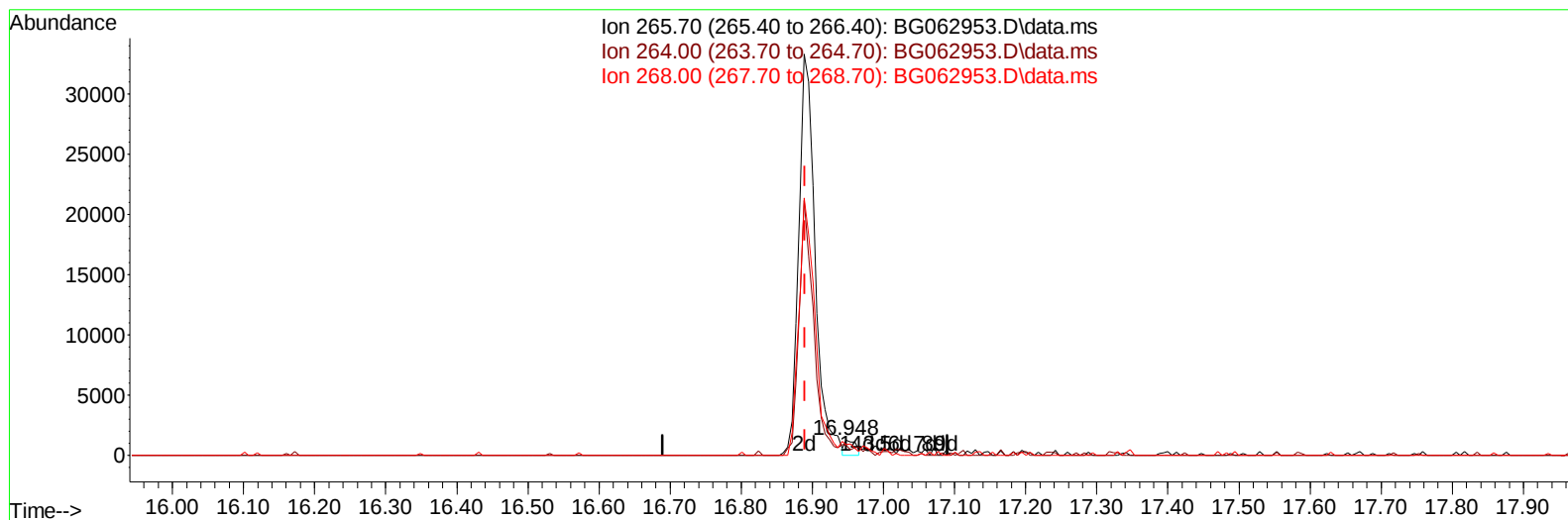
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(71) Pentachlorophenol (C)

16.948min (+ 0.057) 0.60 ng/u1

response 1377

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 53.70  | 64.11  |
| 268.00 | 59.00  | 67.35  |
| 0.00   | 0.00   | 0.00   |

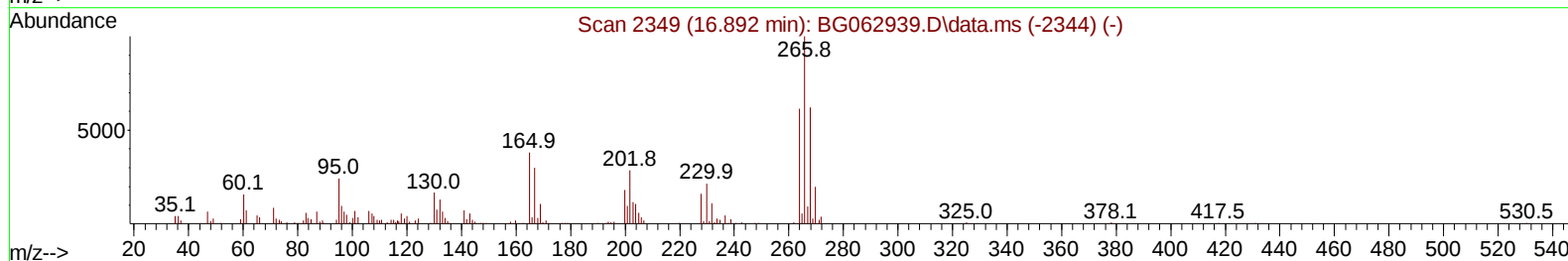
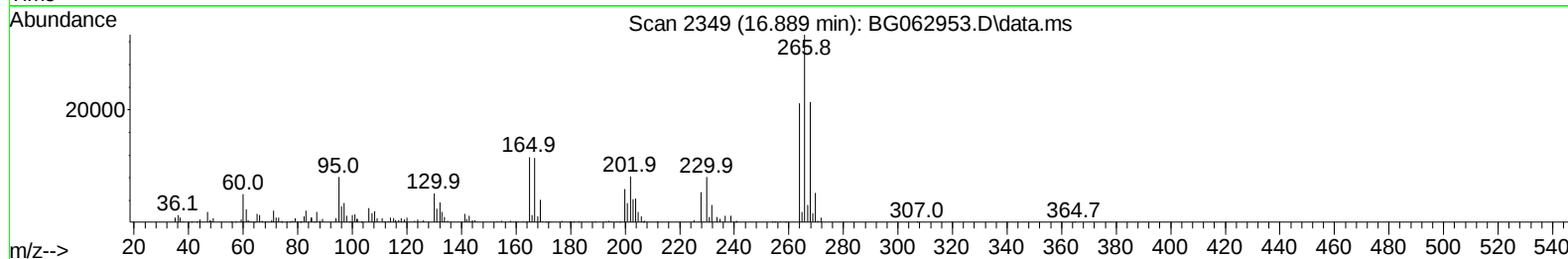
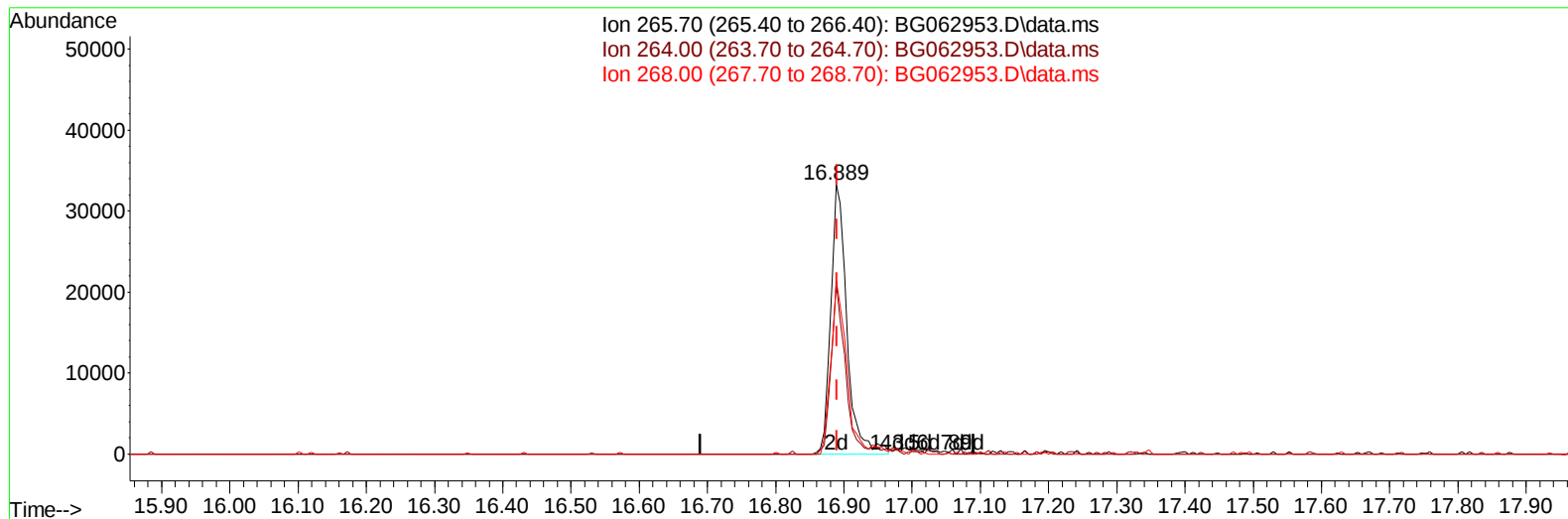
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(71) Pentachlorophenol (C)

16.889min (-0.001) 23.95 ng/ul m

response 54521

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 53.70  | 63.52  |
| 268.00 | 59.00  | 64.14  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :

BNA\_G

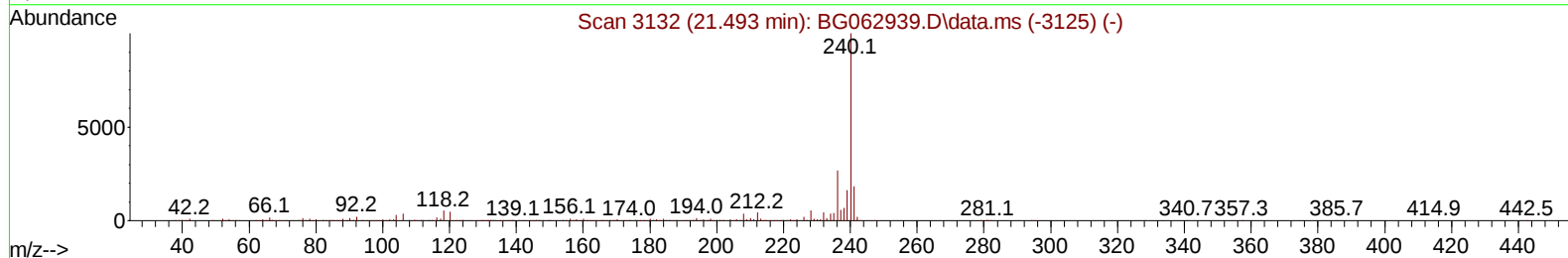
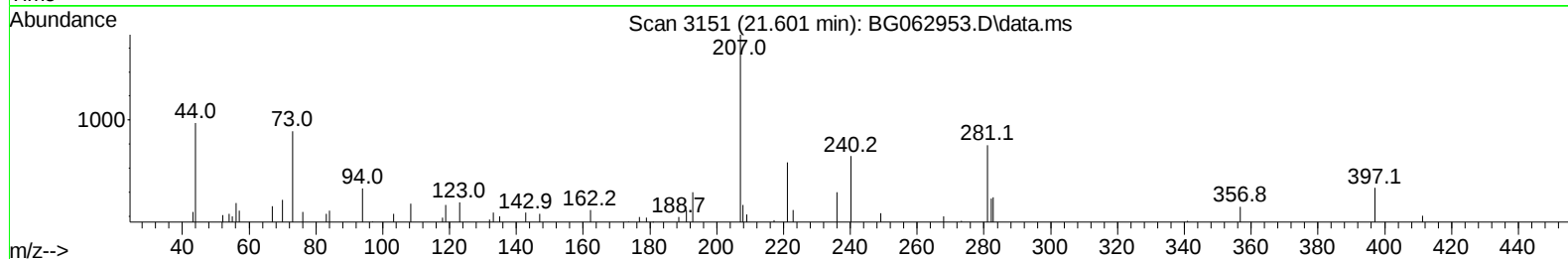
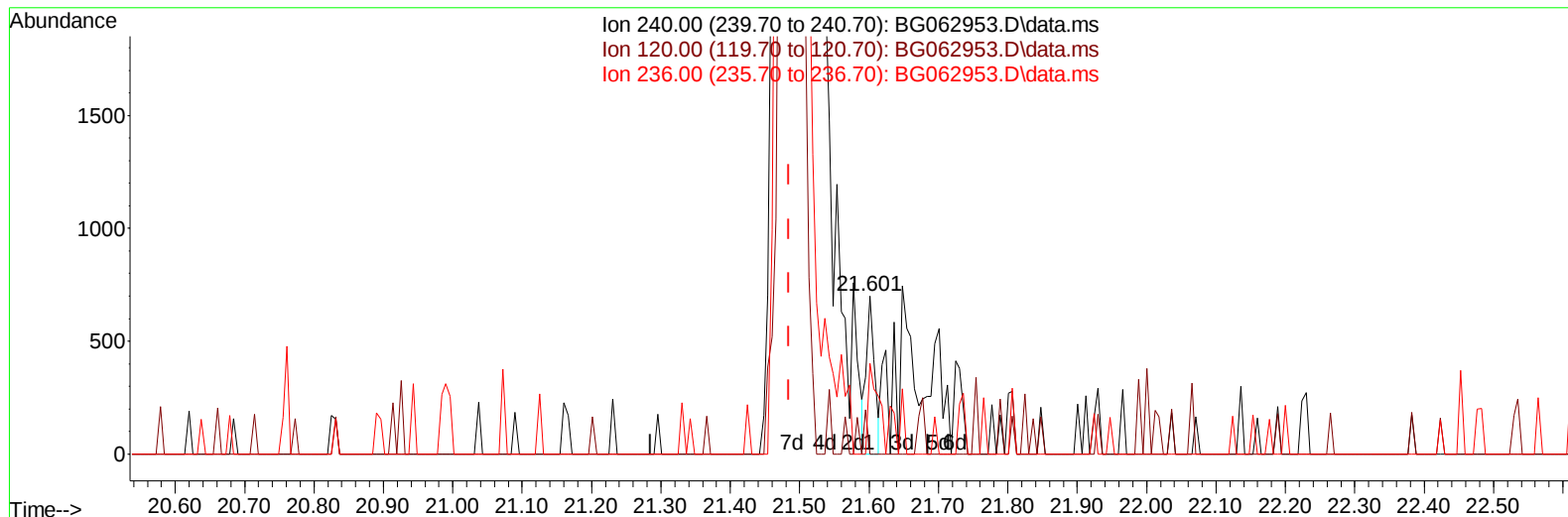
ClientSampleId :

DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(79) Chrysene-d12 (I)**

21.601min (+ 0.116) 20.00 ng/u1

response 571

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 7.60   | 0.00#  |
| 236.00 | 26.60  | 57.29# |
| 0.00   | 0.00   | 0.00   |

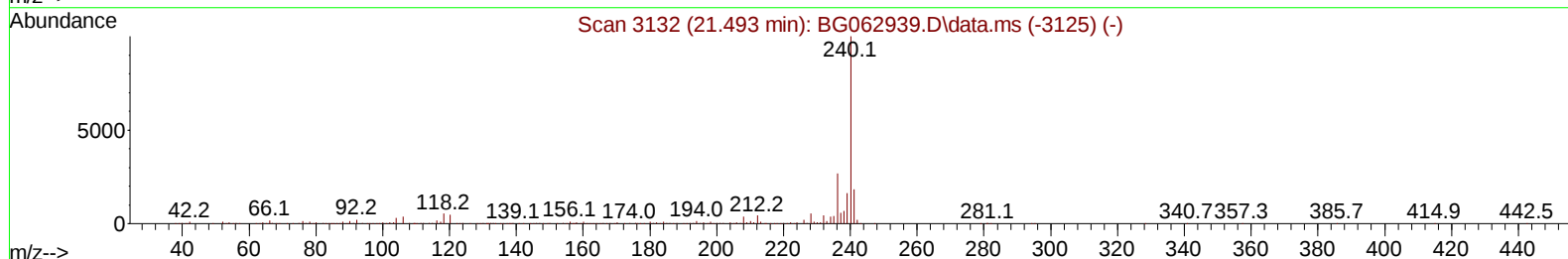
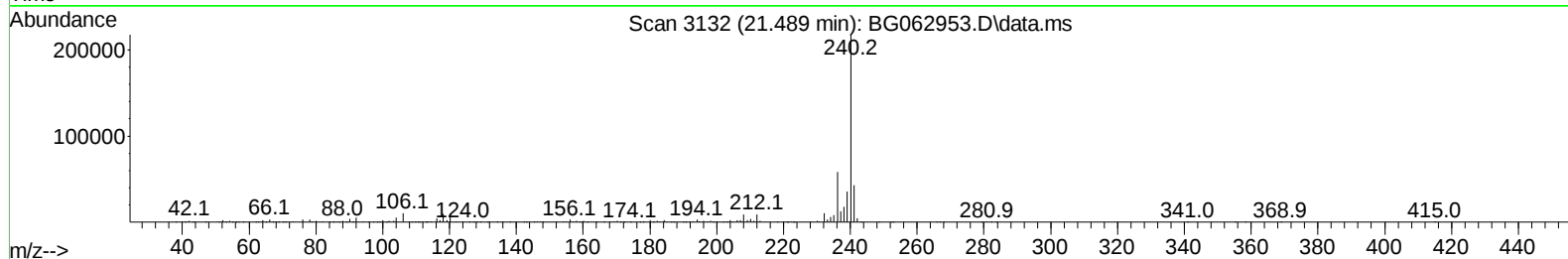
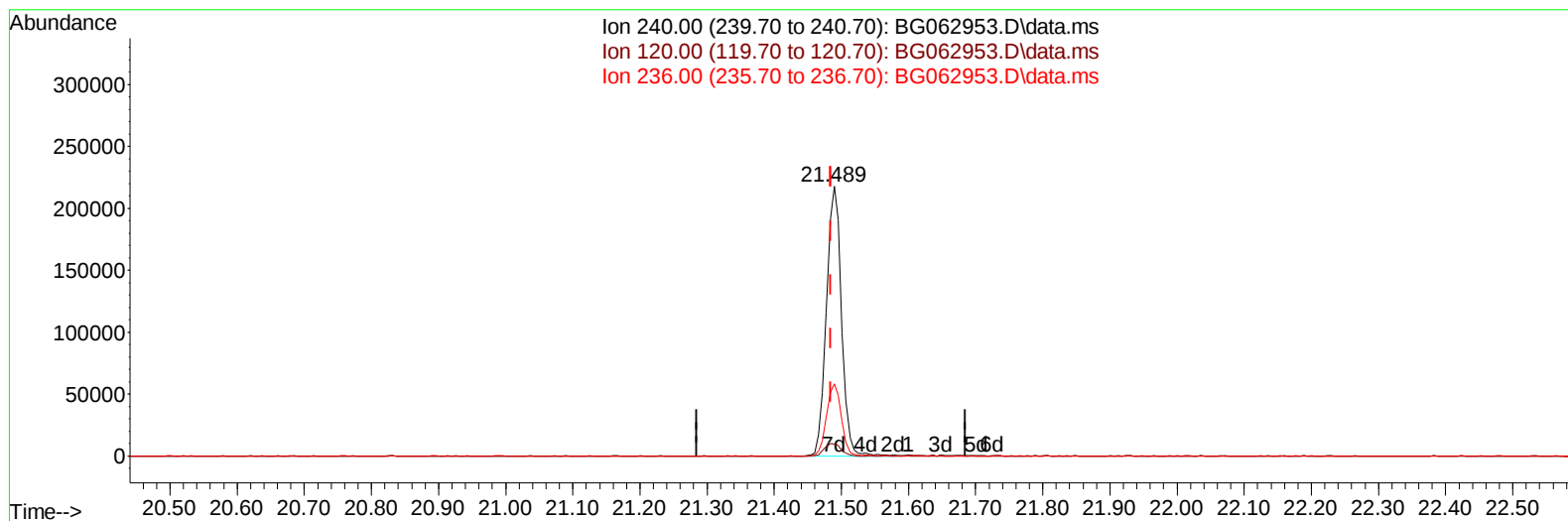
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(79) Chrysene-d12 (I)

21.489min (+ 0.005) 20.00 ng/ul m

response 339934

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 7.60   | 4.50#  |
| 236.00 | 26.60  | 26.82  |
| 0.00   | 0.00   | 0.00   |

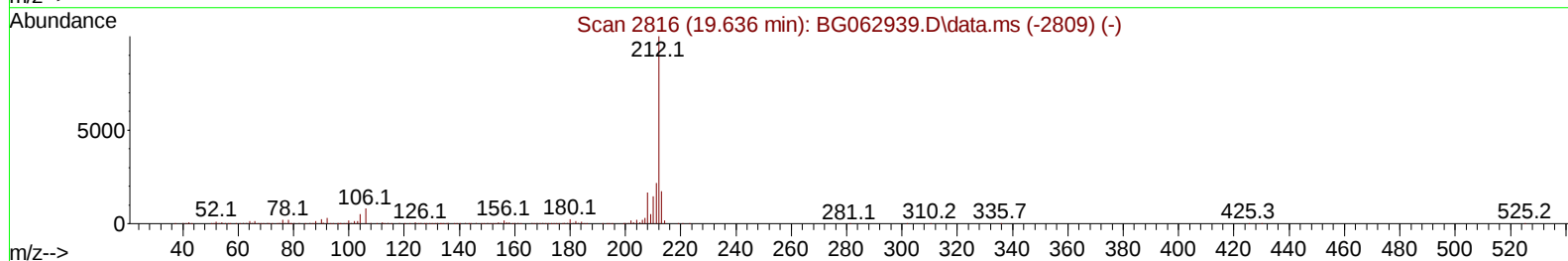
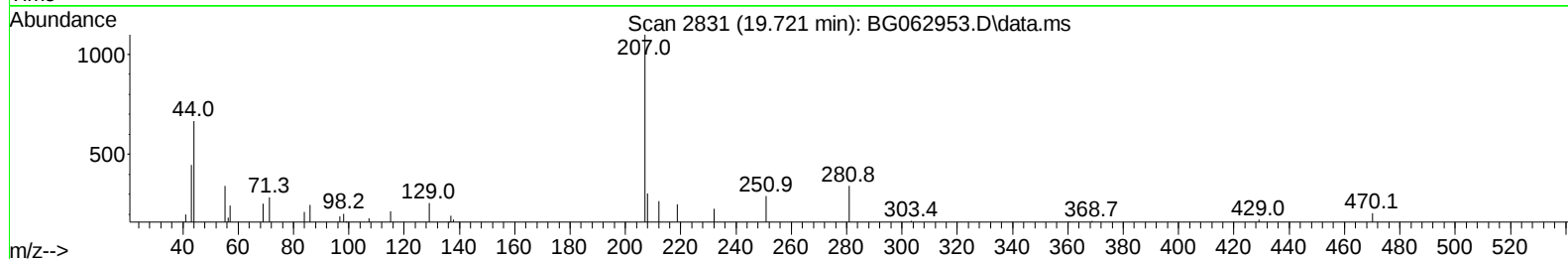
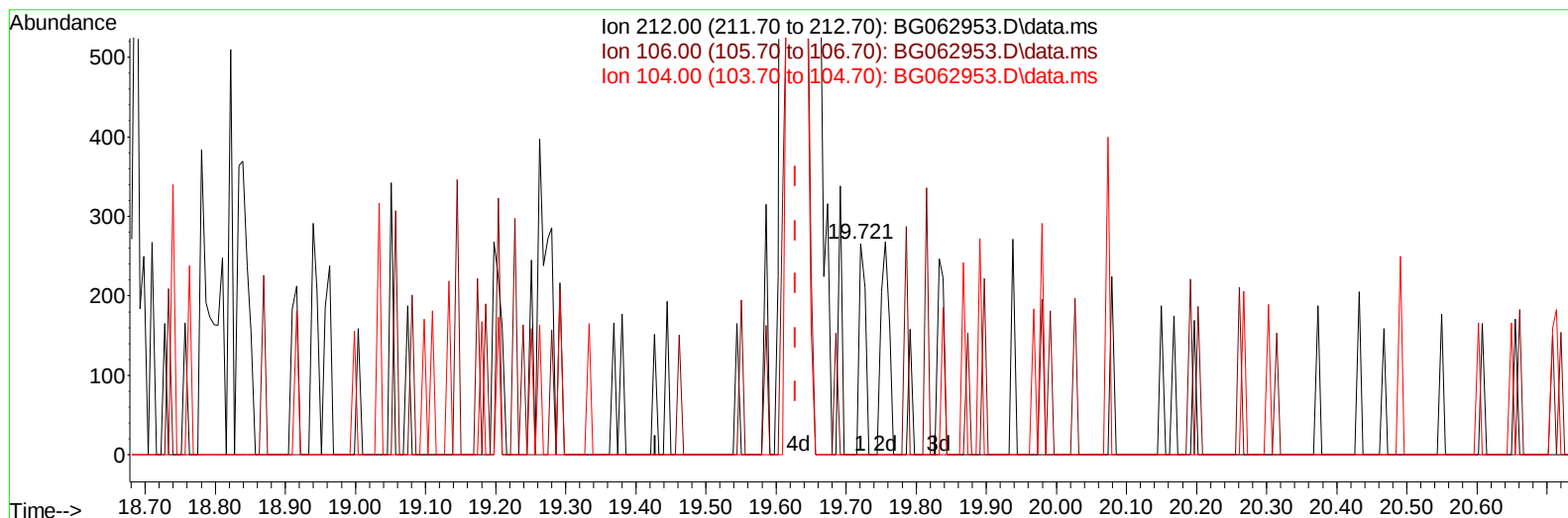
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(81) Pyrene-d10 (S)

19.721min (+ 0.093) 0.01 ng/u1

response 168

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 10.50  | 0.00#  |
| 104.00 | 7.40   | 0.00#  |
| 0.00   | 0.00   | 0.00   |

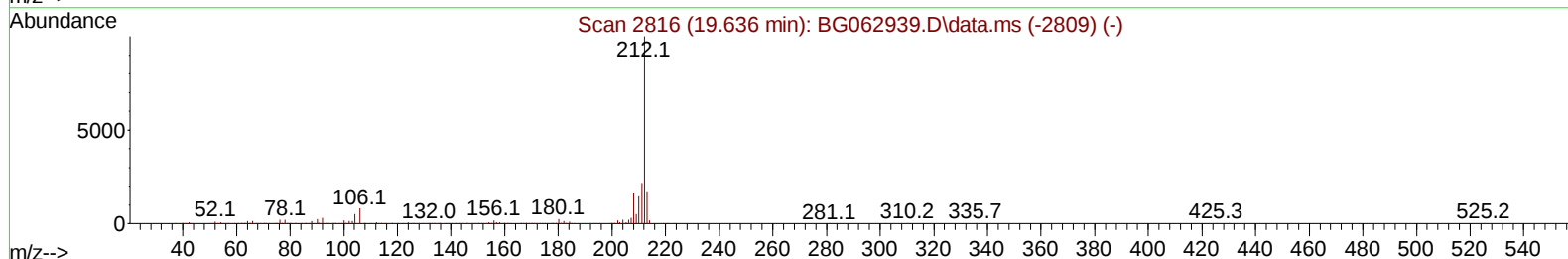
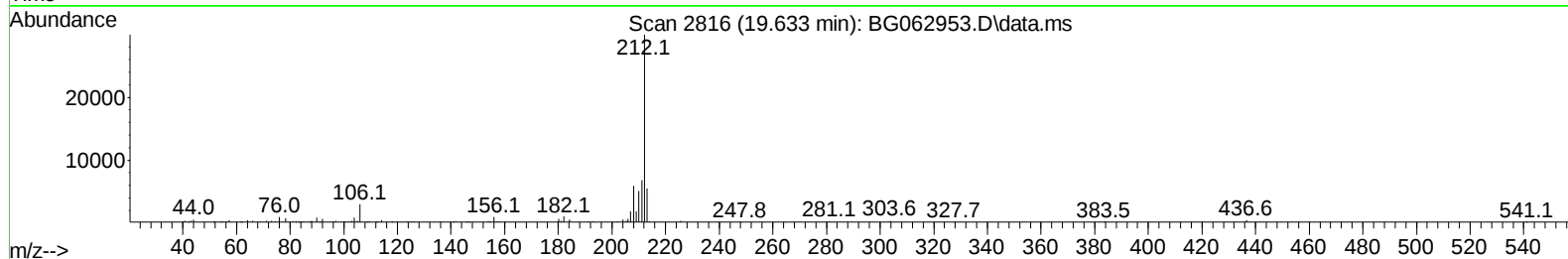
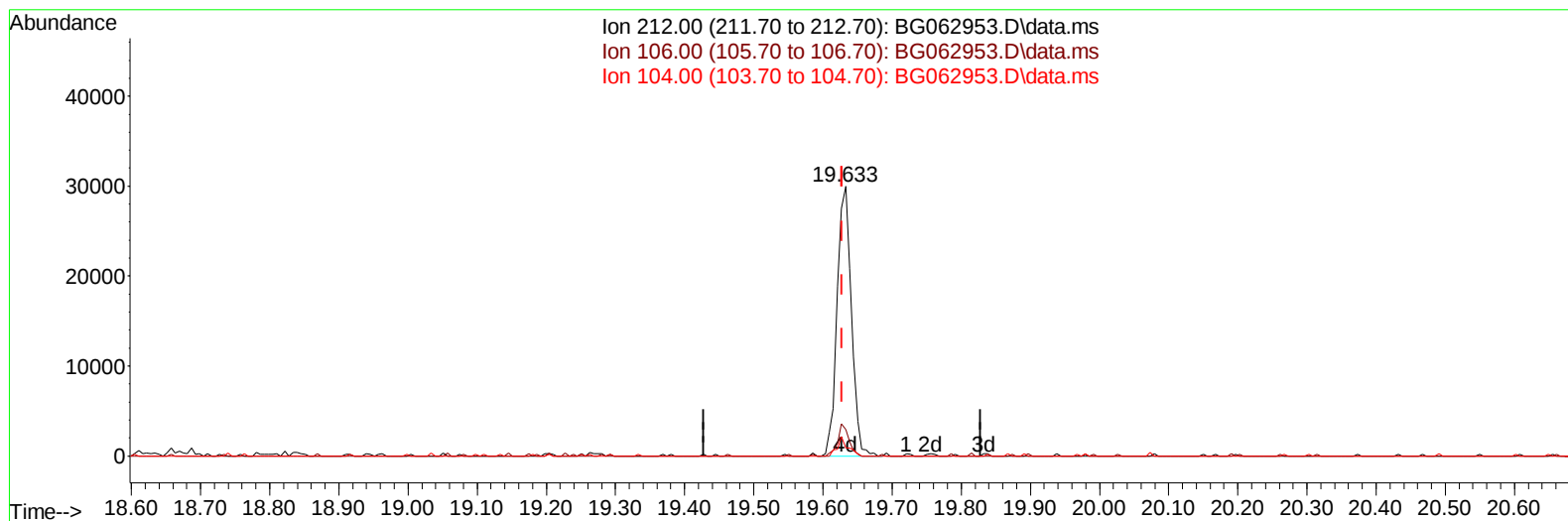
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

(81) Pyrene-d10 (S)

19.633min (+ 0.005) 2.09 ng/u1 m

response 43082

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 10.50  | 9.89   |
| 104.00 | 7.40   | 2.95#  |
| 0.00   | 0.00   | 0.00   |

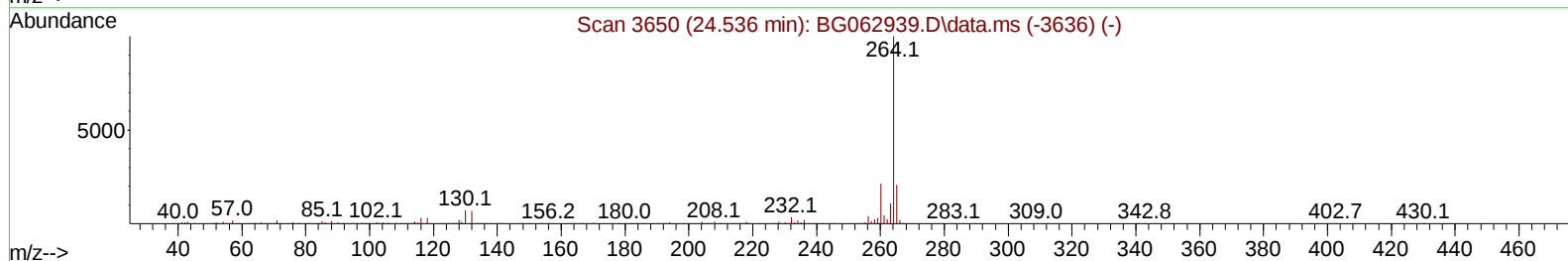
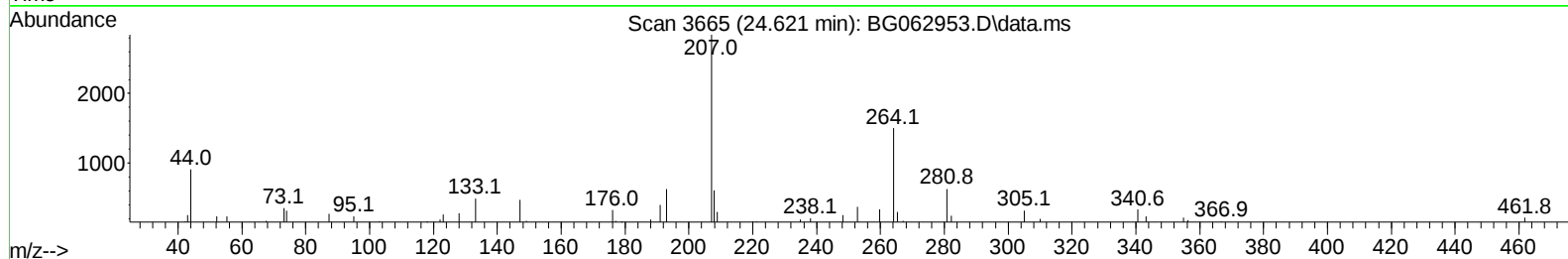
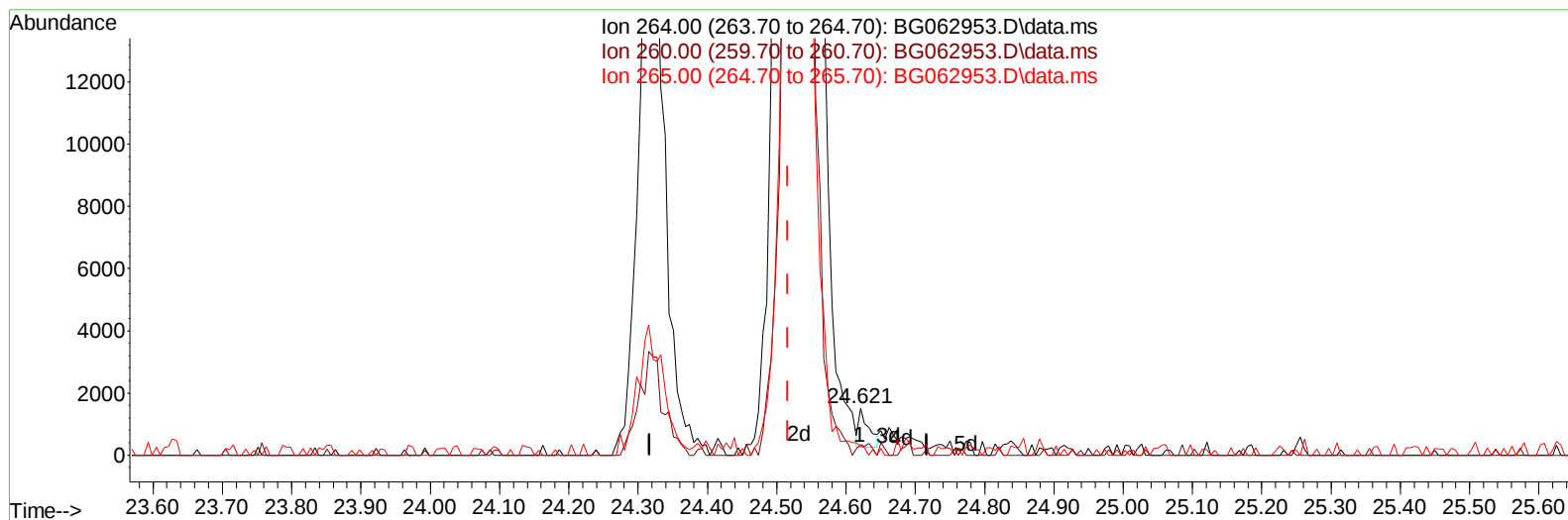
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(88) Perylene-d12 (I)**

24.621min (+ 0.104) 20.00 ng/u1

response 1219

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 22.50  | 22.30  |
| 265.00 | 20.10  | 20.04  |
| 0.00   | 0.00   | 0.00   |

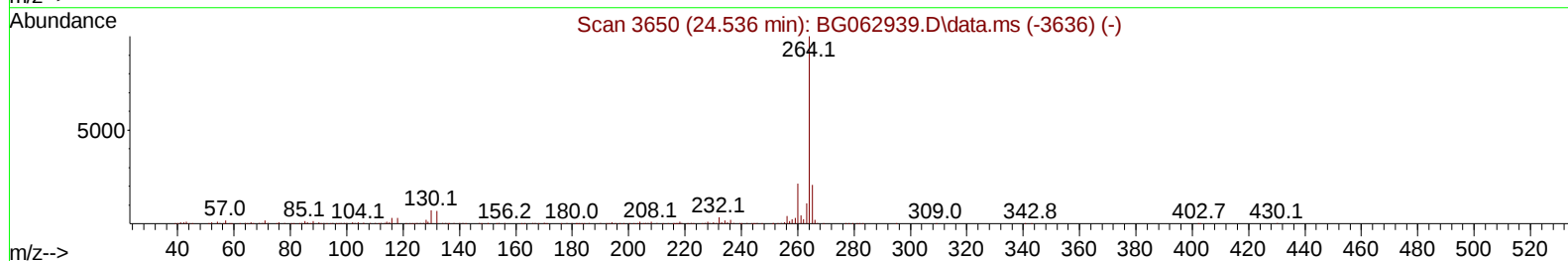
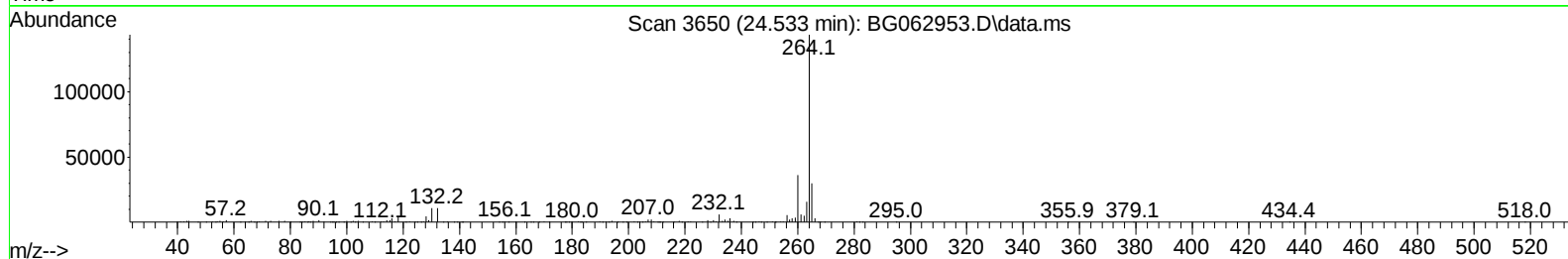
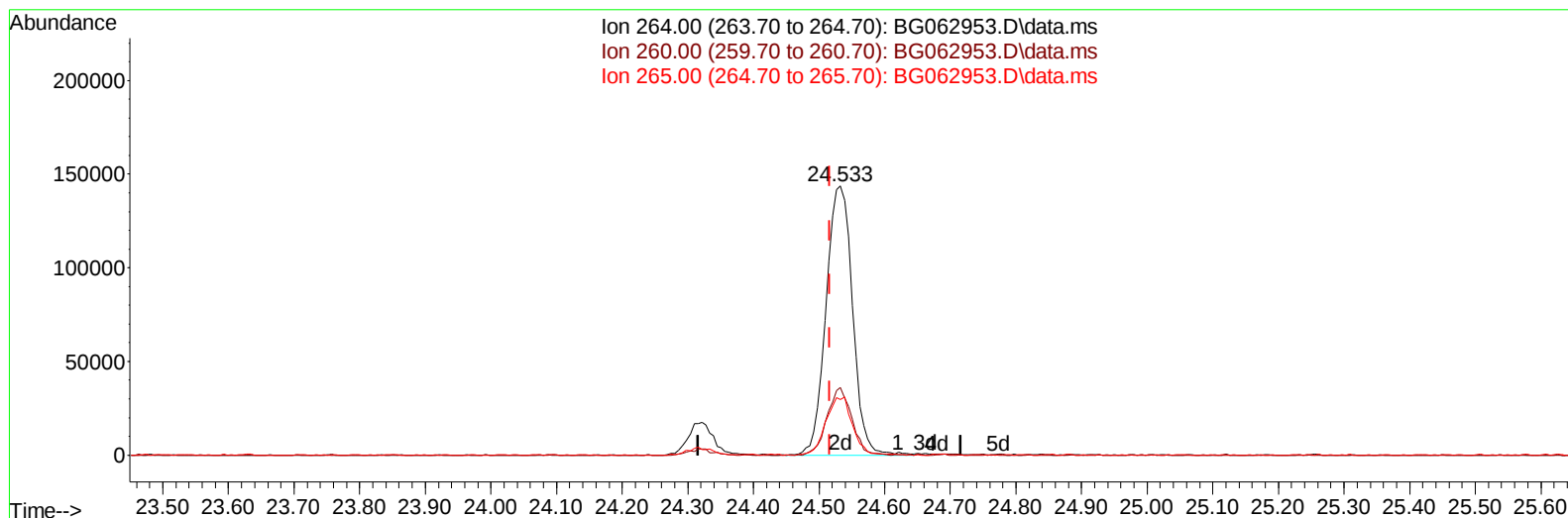
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:50:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024



TIC: BG062953.D\data.ms

**(88) Perylene-d12 (I)**

24.533min (+ 0.016) 20.00 ng/ul m

response 401418

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 22.50  | 25.13  |
| 265.00 | 20.10  | 20.77  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
 Data File : BG062953.D  
 Acq On : 19 Sep 2024 21:27  
 Operator : JU/RC  
 Sample : P3877-02MEDL 10X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCVX7MEDL

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/20/2024  
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 20 00:51:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:45:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.852  | 152  | 37858    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.643 | 136  | 153785   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.486 | 164  | 125296   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.241 | 188  | 311044m  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.489 | 240  | 339934m  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.533 | 264  | 401418m  | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000  | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.024  | 99   | 6972     | 1.775  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.183  | 67   | 4182     | 1.902  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.388  | 132  | 4816     | 1.867  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.557  | 113  | 5060     | 1.758  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.004  | 128  | 2031     | 1.658  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.744  | 143  | 2798m    | 2.013  | ng/ul  | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.273 | 165  | 5337     | 1.851  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.778 | 131  | 6571     | 1.831  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.892 | 166  | 20983    | 2.252  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.180 | 160  | 22015    | 2.115  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.485 | 176  | 20994    | 2.420  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.335 | 188  | 31499    | 2.143  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.633 | 212  | 43082m   | 2.093  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.321 | 264  | 47164    | 2.228  | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
| 58) 2,3,4,6-Tetrachlorophenol | 15.126 | 232  | 5392     | 2.061  | ng/ul# | 92       |
| 71) Pentachlorophenol         | 16.889 | 266  | 54521m   | 23.947 | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091824\  
Data File : BG062953.D  
Acq On : 19 Sep 2024 21:27  
Operator : JU/RC  
Sample : P3877-02MEDL 10X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DCVX7MEDL

Manual IntegrationsAPPROVED

Quant Time: Sep 20 00:51:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 18 00:45:18 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/20/2024  
Supervised By :mohammad ahmed 09/22/2024

