

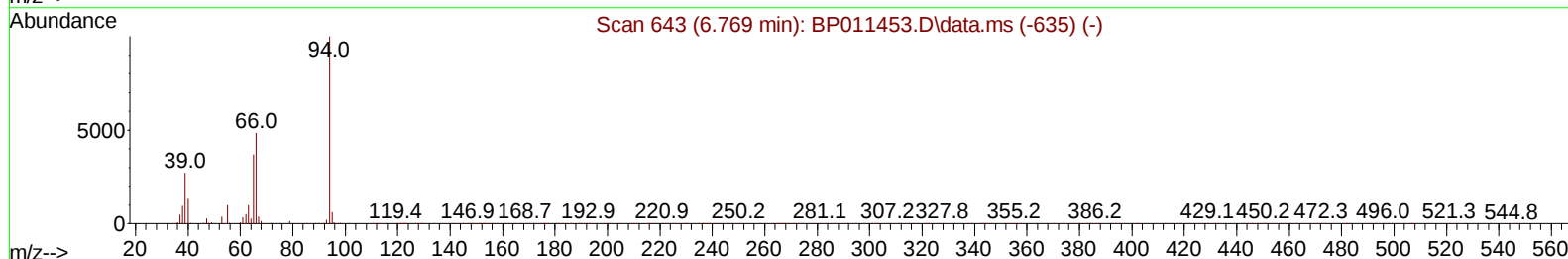
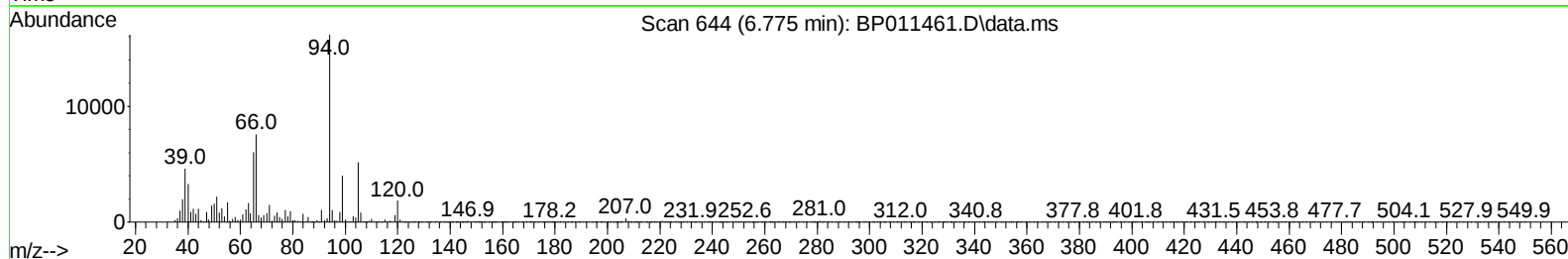
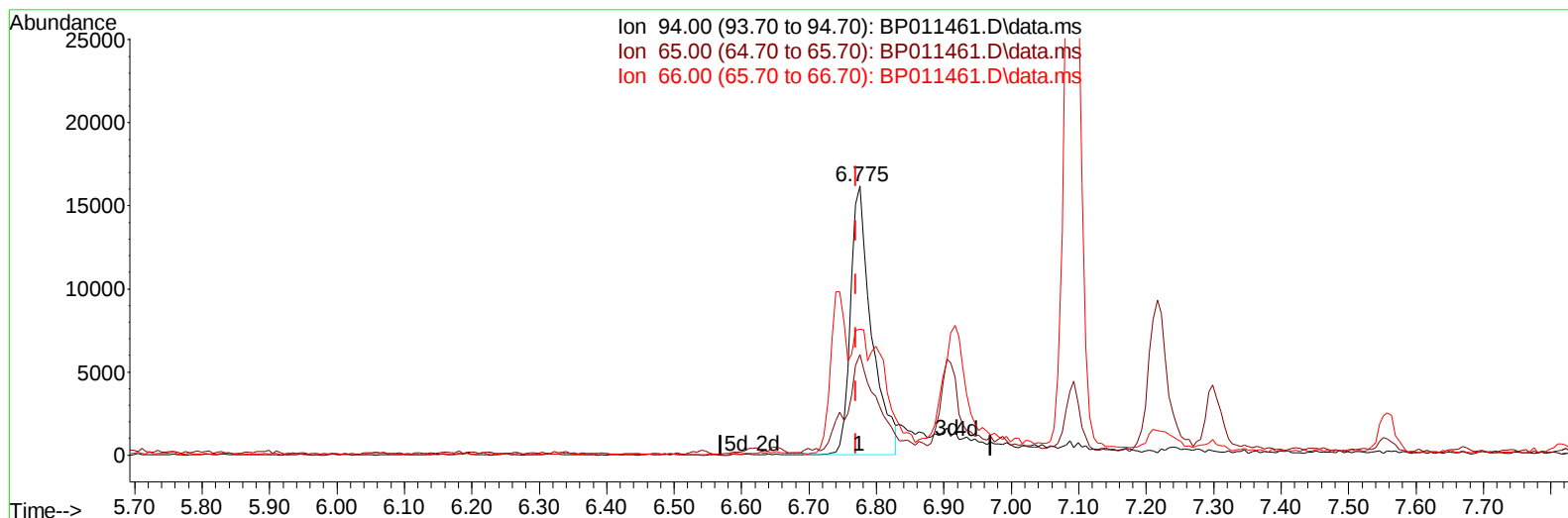
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

#### (8) Phenol

6.775min (+ 0.006) 3.19 ng/u1

response 35154

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 65.00 | 36.10  | 37.31  |
| 66.00 | 49.20  | 46.80  |
| 0.00  | 0.00   | 0.00   |

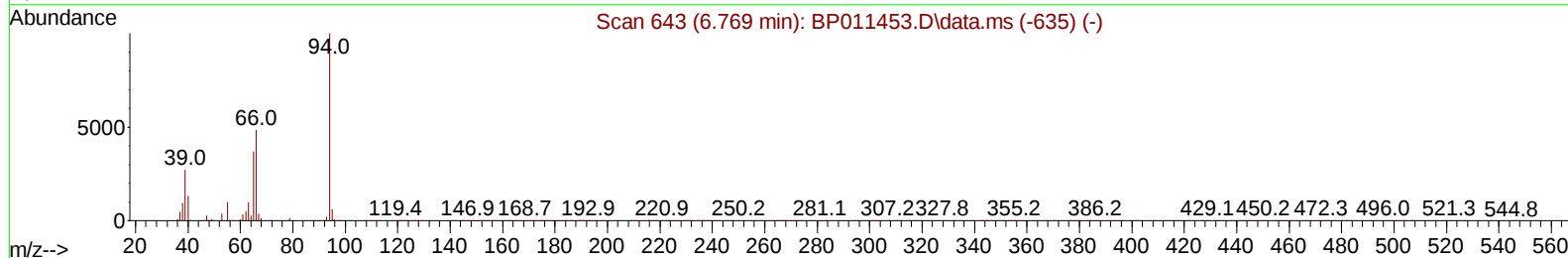
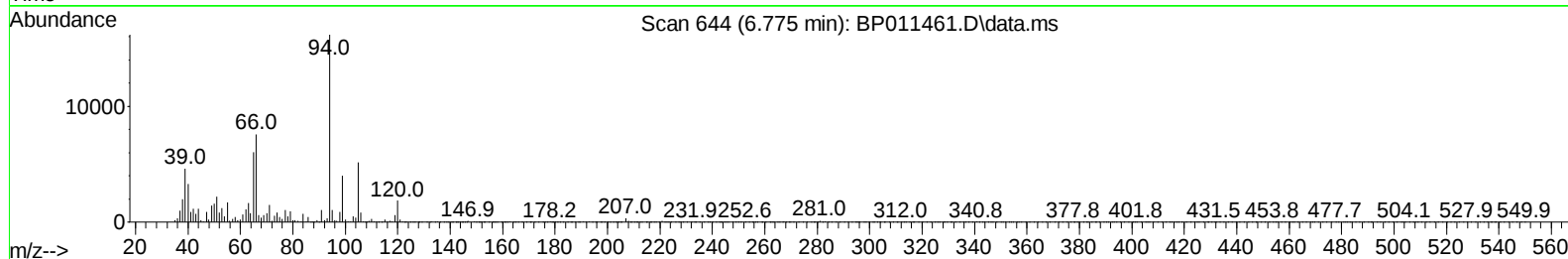
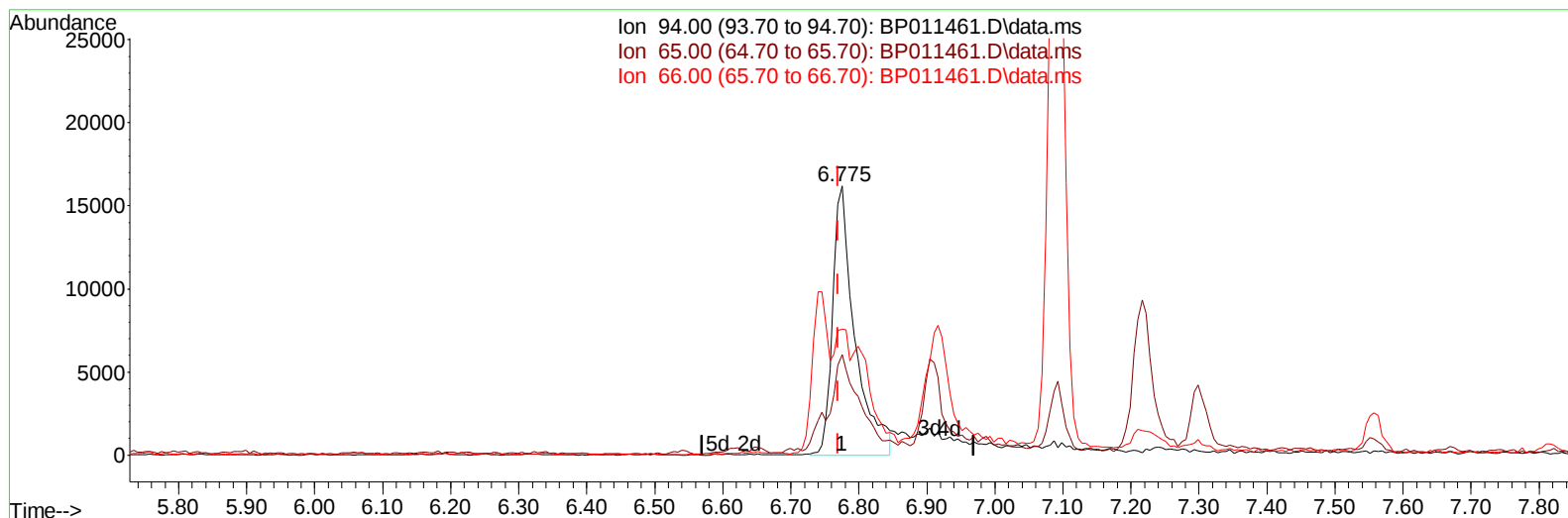
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
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Manual IntegrationsAPPROVED

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TIC: BP011461.D\data.ms

#### (8) Phenol

6.775min (+ 0.006) 3.35 ng/u1 m

response 36911

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 65.00 | 36.10  | 37.31  |
| 66.00 | 49.20  | 46.80  |
| 0.00  | 0.00   | 0.00   |

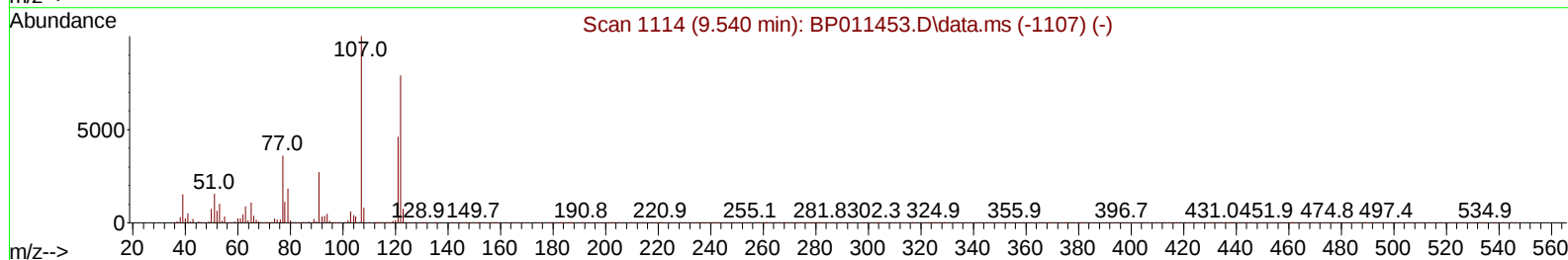
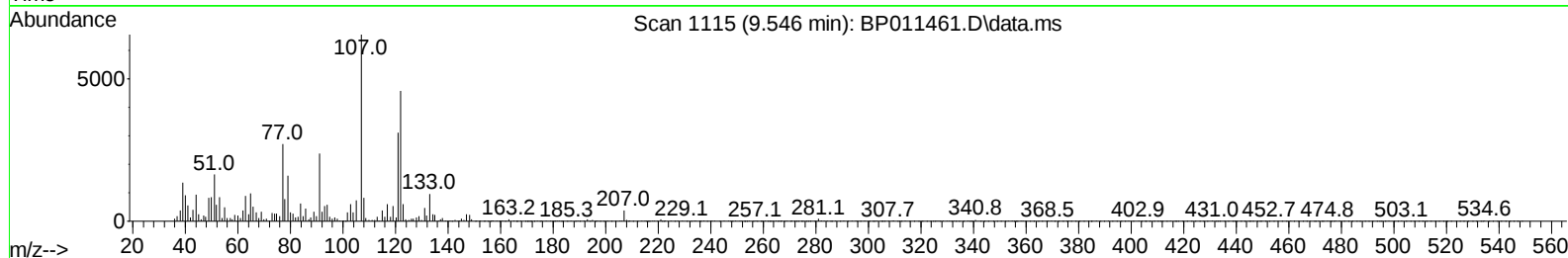
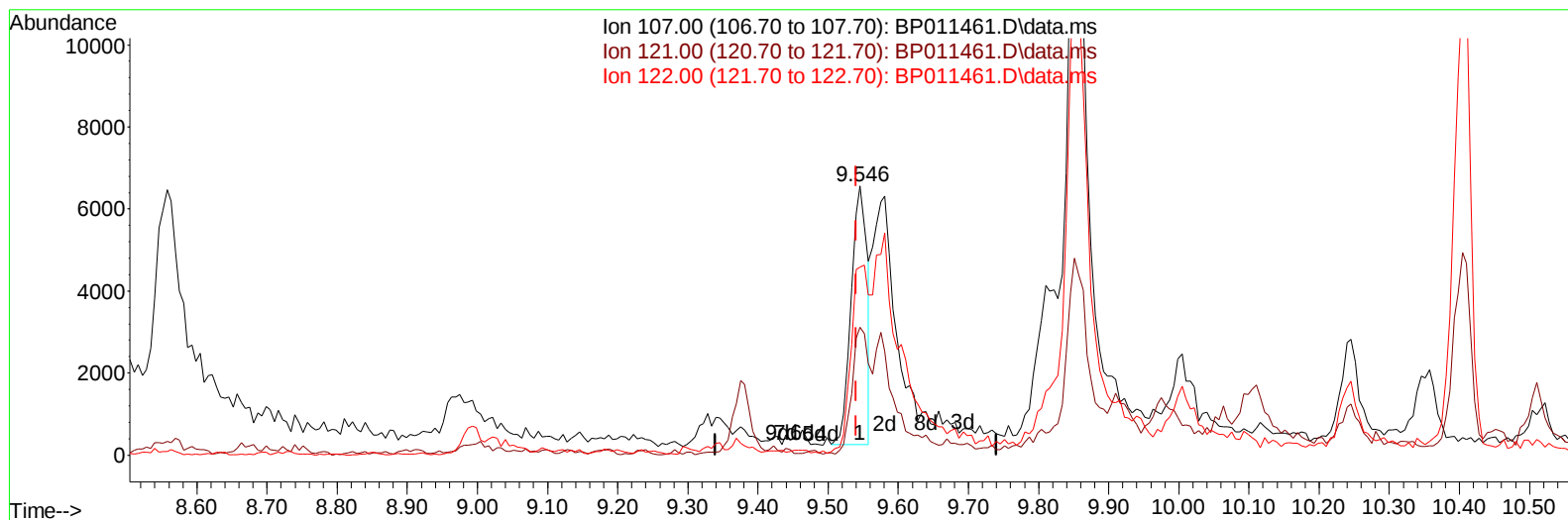
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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TIC: BP011461.D\data.ms

(26) 2,4-Dimethylphenol

9.546min (+ 0.006) 0.99 ng/u1

response 10143

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 45.80  | 47.48  |
| 122.00 | 73.40  | 69.97  |
| 0.00   | 0.00   | 0.00   |

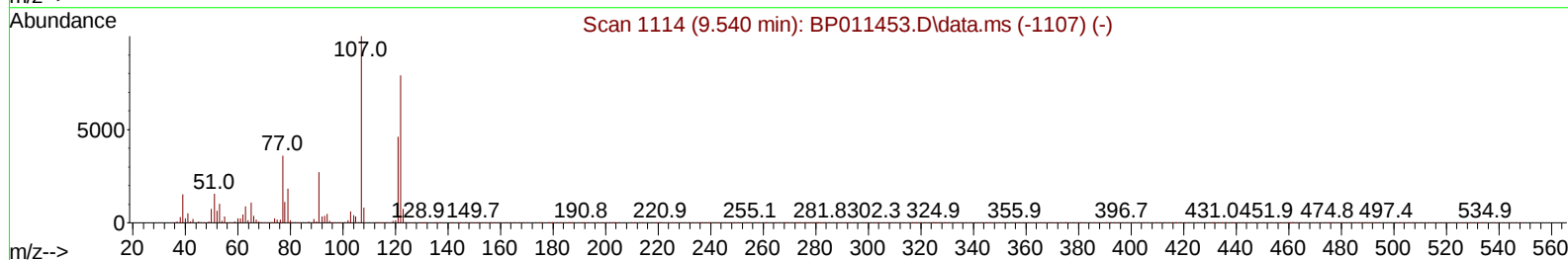
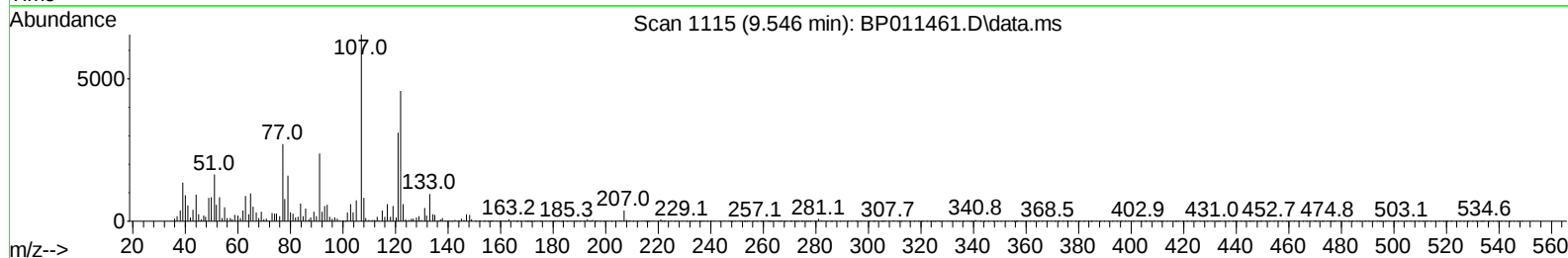
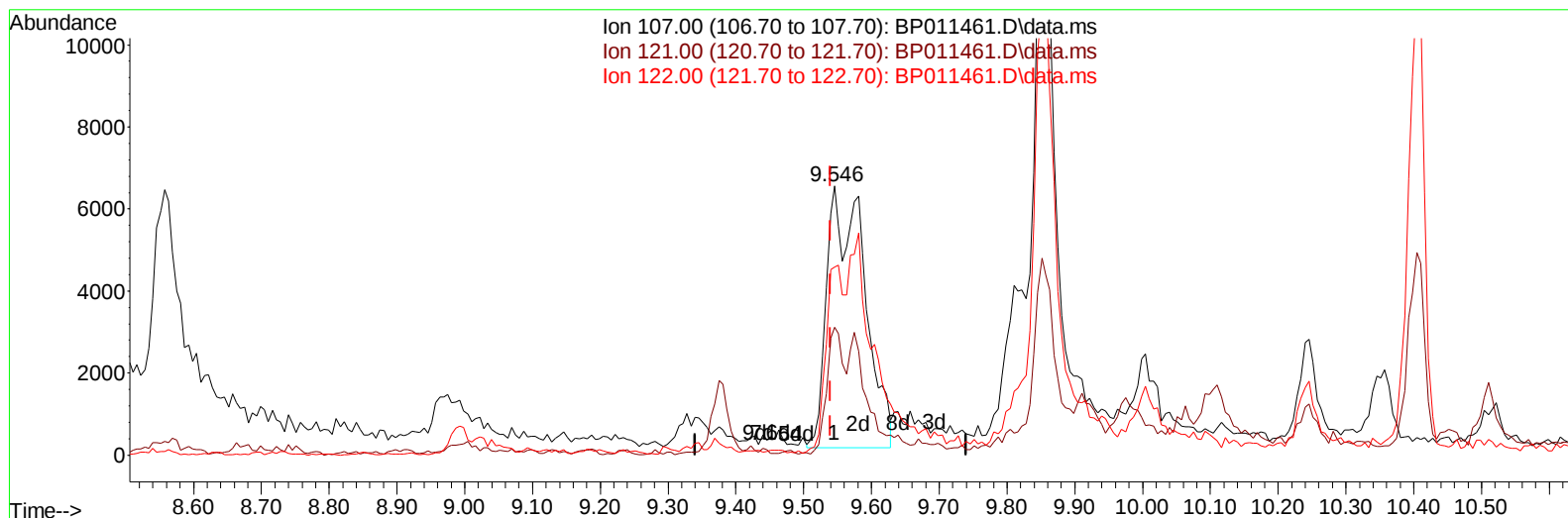
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

(26) 2,4-Dimethylphenol

9.546min (+ 0.006) 2.40 ng/ul m

response 24545

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 107.00 | 100.00 | 100.00 |
| 121.00 | 45.80  | 47.48  |
| 122.00 | 73.40  | 69.97  |
| 0.00   | 0.00   | 0.00   |

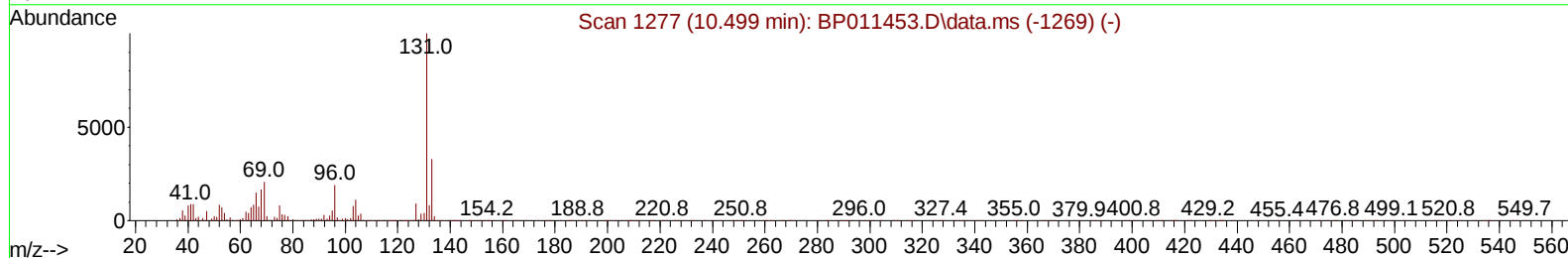
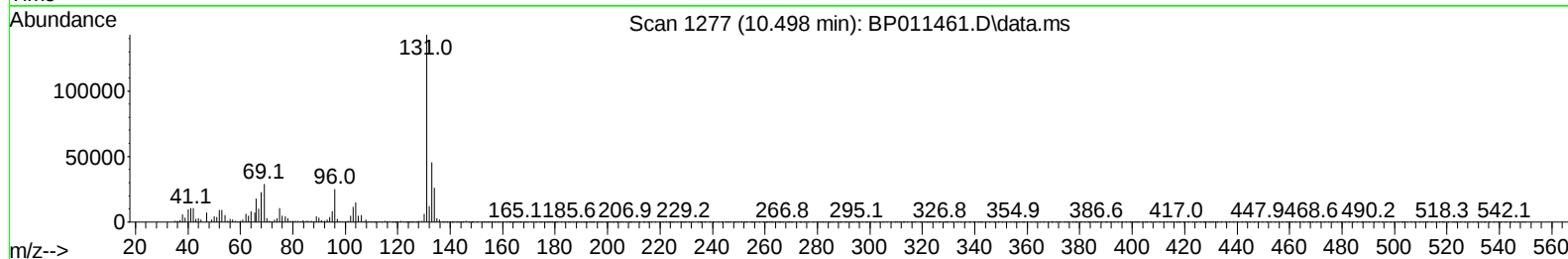
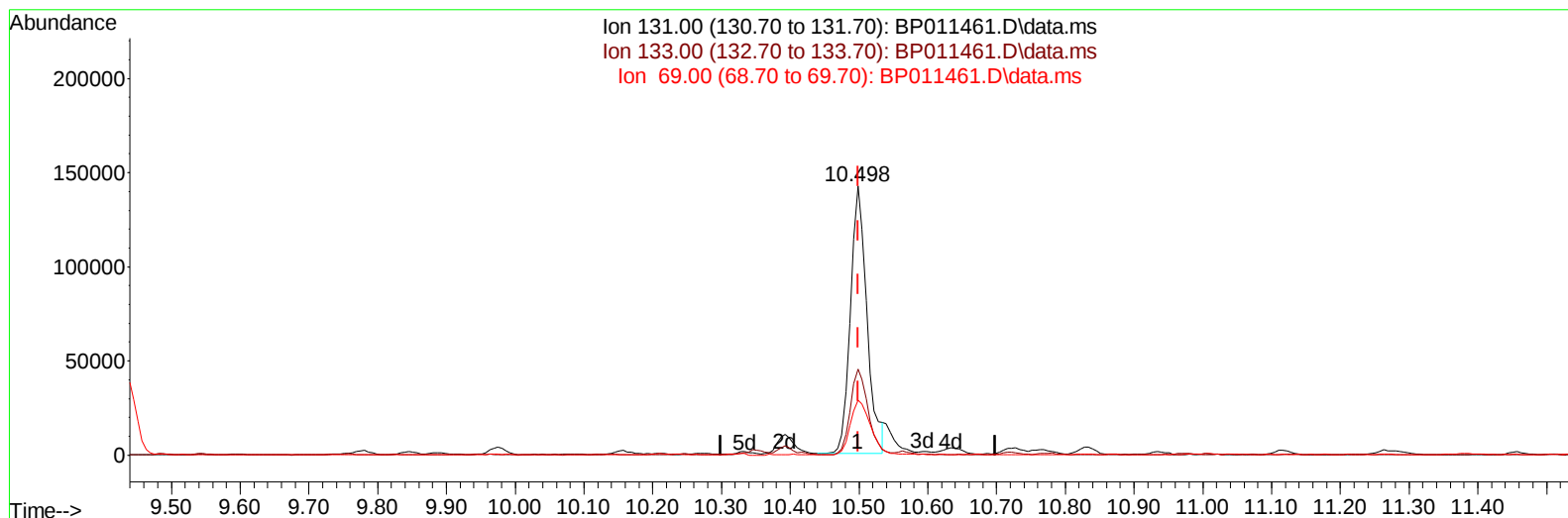
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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TIC: BP011461.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.498min (-0.000) 20.47 ng/u1**

**response 237031**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 30.30  | 31.92  |
| 69.00  | 19.60  | 20.38  |
| 0.00   | 0.00   | 0.00   |

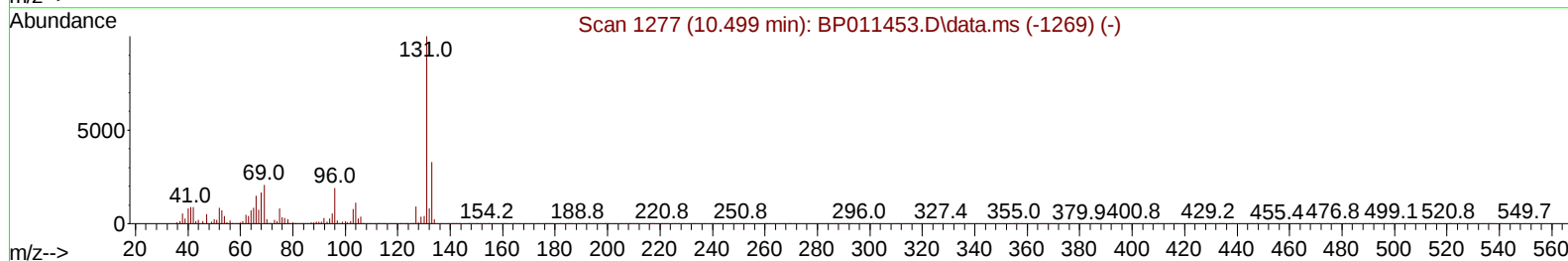
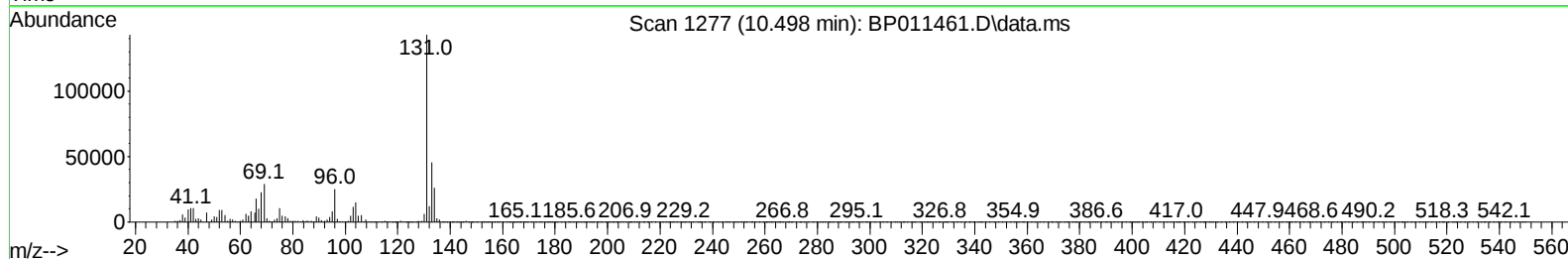
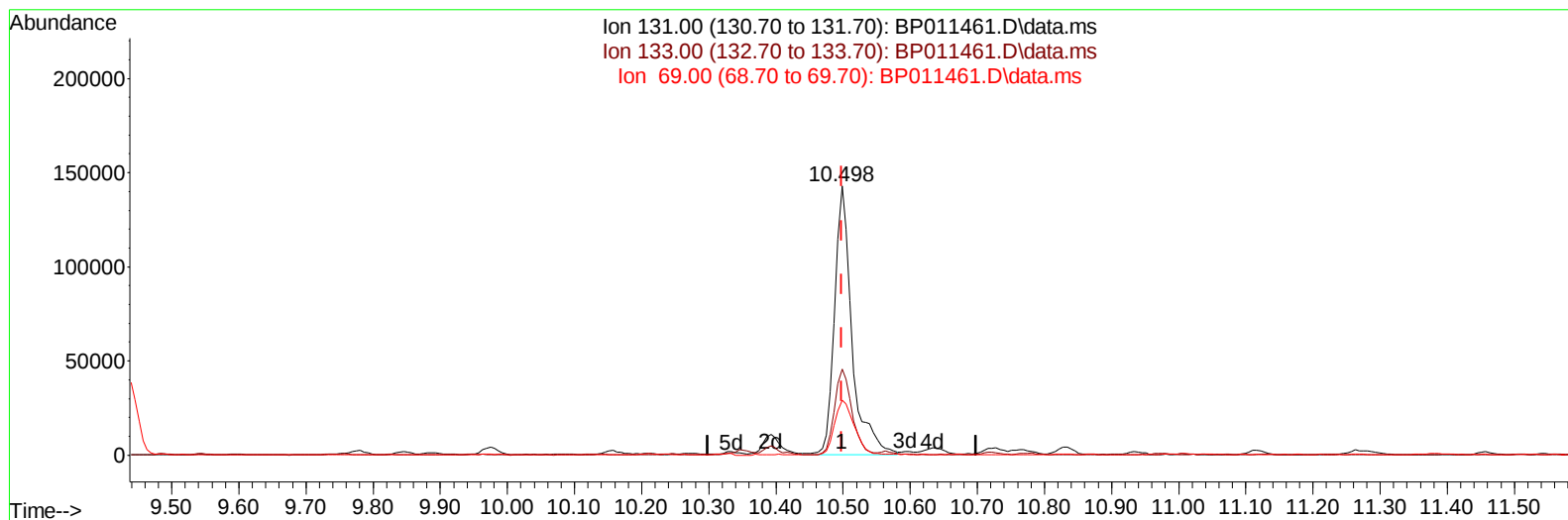
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 17 01:58:37 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
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TIC: BP011461.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.498min (-0.000) 22.20 ng/ul m

response 257131

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 30.30  | 31.92  |
| 69.00  | 19.60  | 20.38  |
| 0.00   | 0.00   | 0.00   |

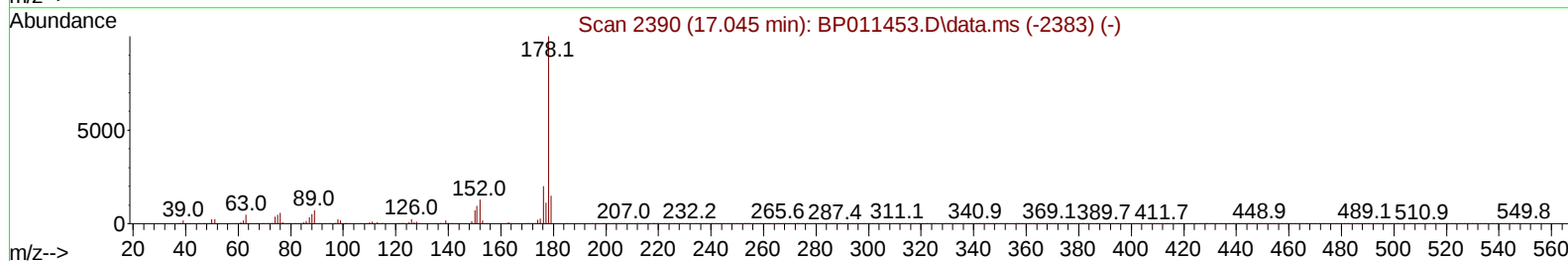
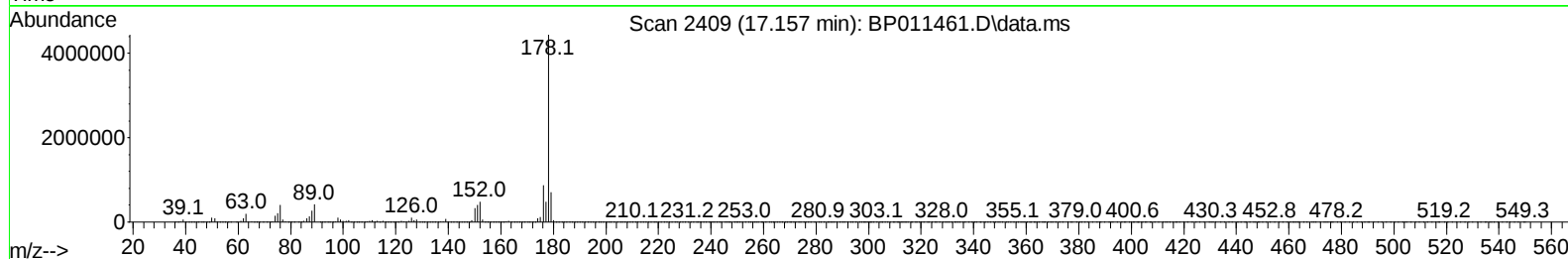
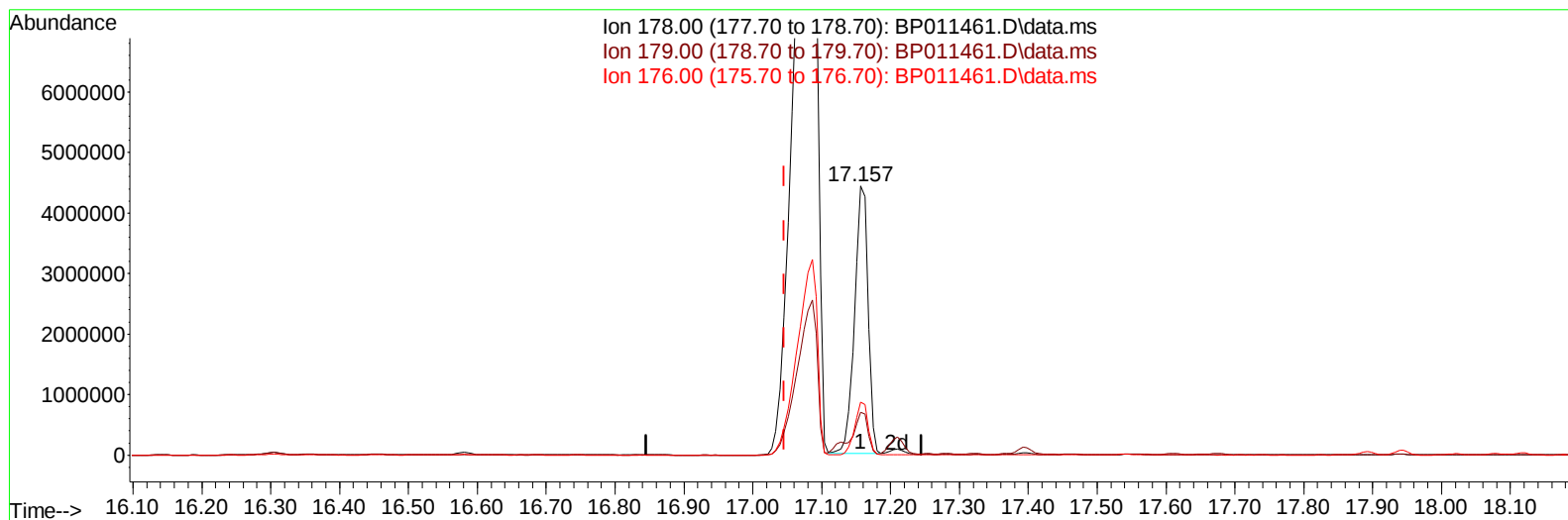
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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TIC: BP011461.D\data.ms

(72) Phenanthrene

17.157min (+ 0.111) 192.93 ng/u1

response 6028541

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.70  | 15.86  |
| 176.00 | 19.80  | 19.69  |
| 0.00   | 0.00   | 0.00   |

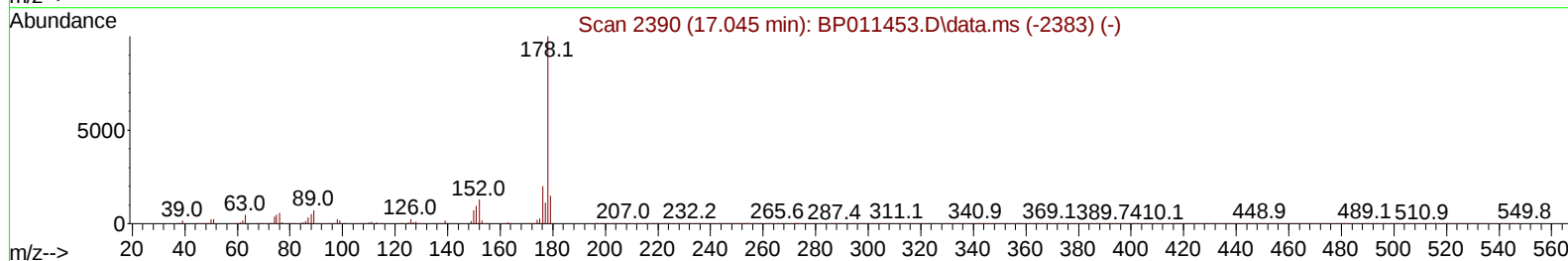
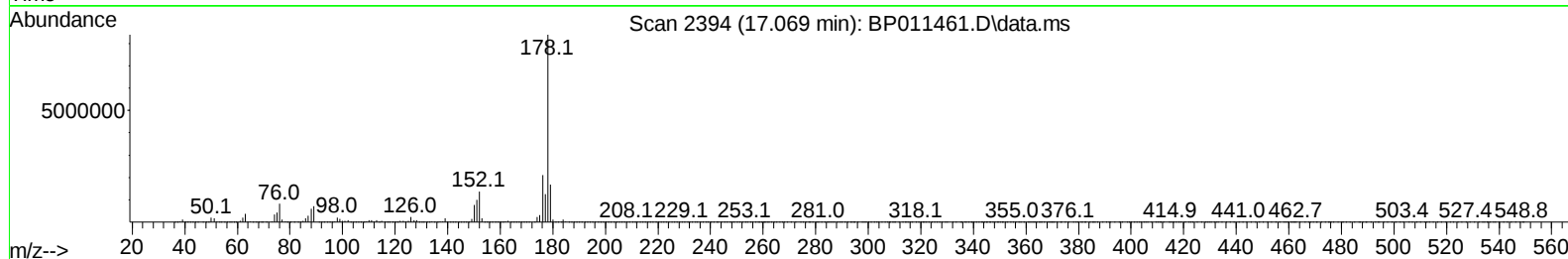
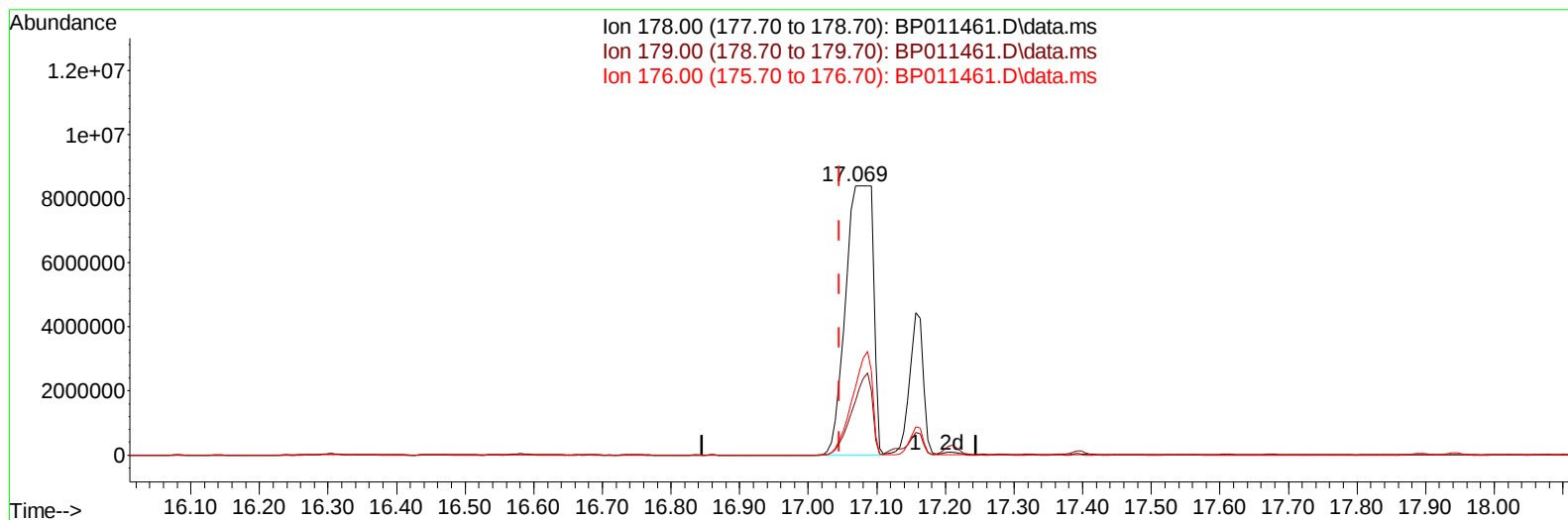
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
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TIC: BP011461.D\data.ms

(72) Phenanthrene

17.069min (+ 0.023) 747.75 ng/u1 m

response 23364531

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 15.70  | 20.17# |
| 176.00 | 19.80  | 25.26# |
| 0.00   | 0.00   | 0.00   |

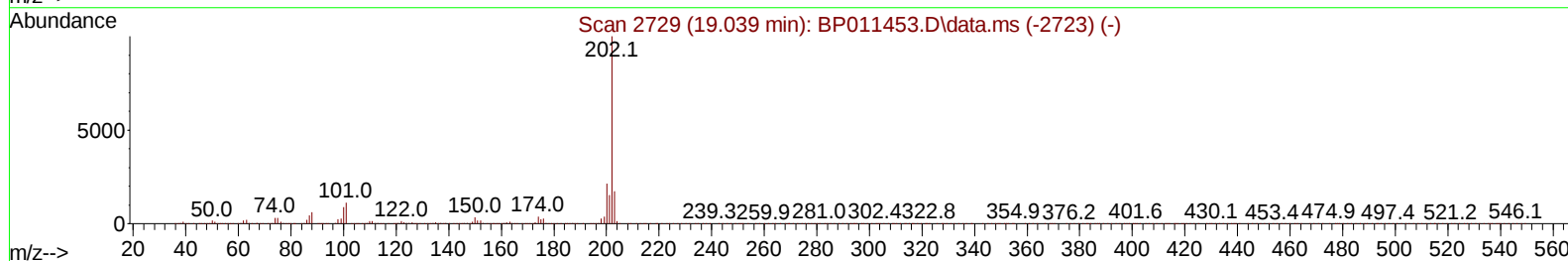
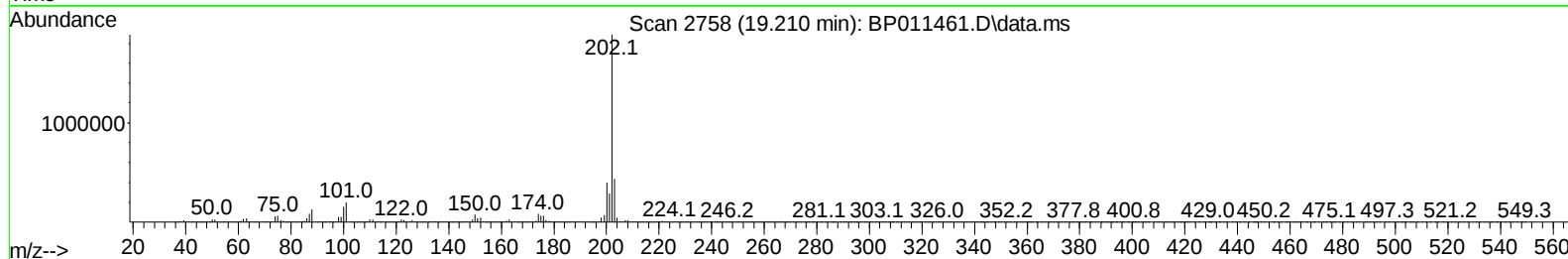
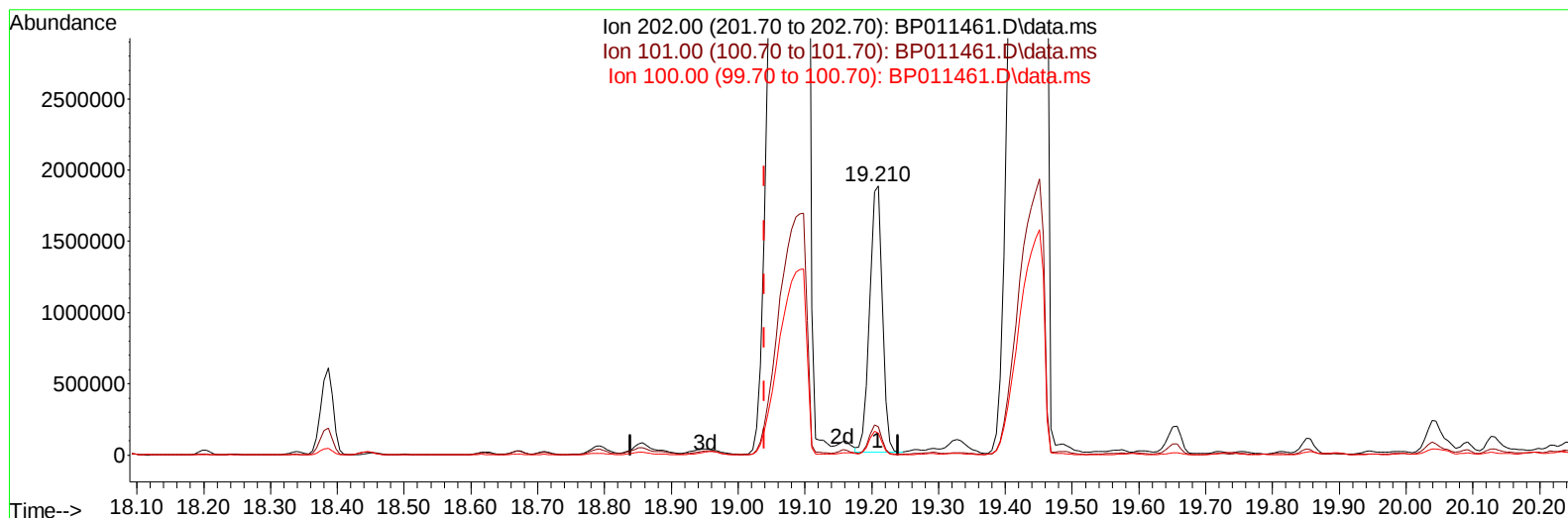
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
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 Operator : CG/JU  
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

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TIC: BP011461.D\data.ms

**(80) Fluoranthene**

**19.210min (+ 0.170) 57.60 ng/u1**

**response 2461501**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.90  | 10.46  |
| 100.00 | 9.90   | 8.17   |
| 0.00   | 0.00   | 0.00   |

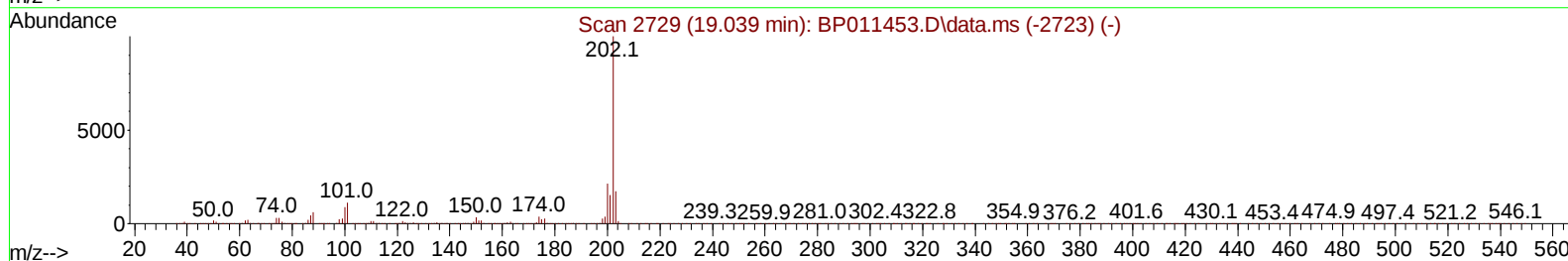
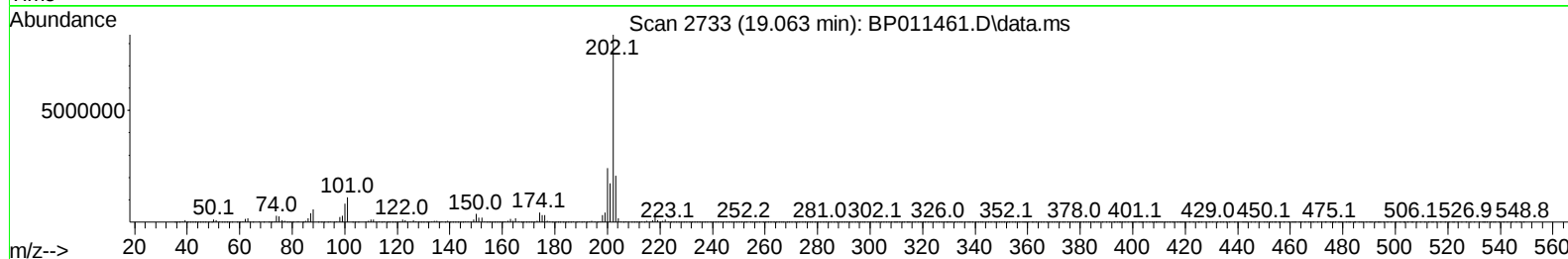
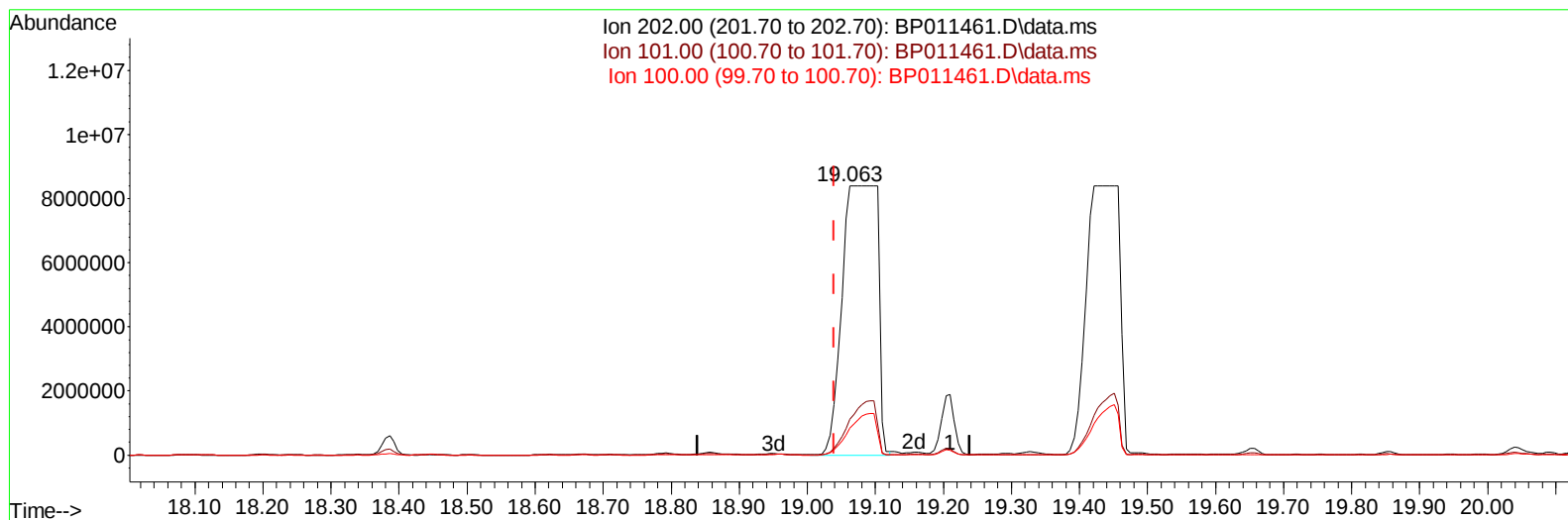
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

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TIC: BP011461.D\data.ms

(80) Fluoranthene

19.063min (+ 0.023) 710.71 ng/u1 m

response 30369559

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.90  | 13.27  |
| 100.00 | 9.90   | 9.95   |
| 0.00   | 0.00   | 0.00   |



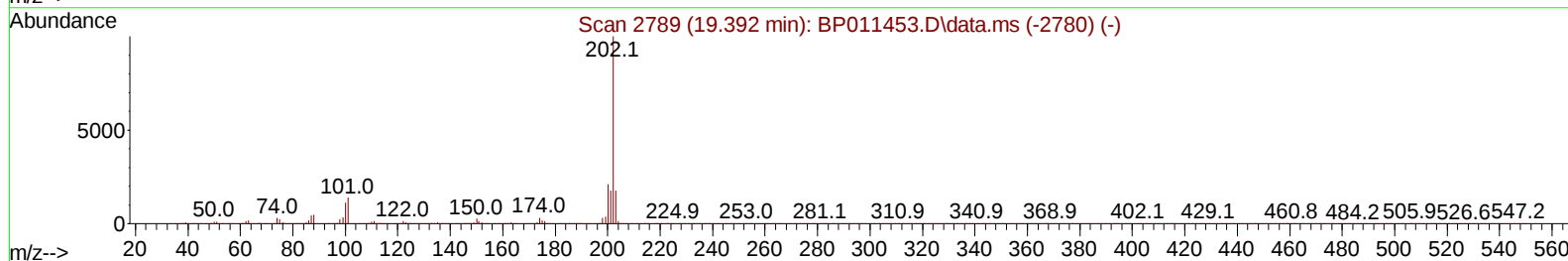
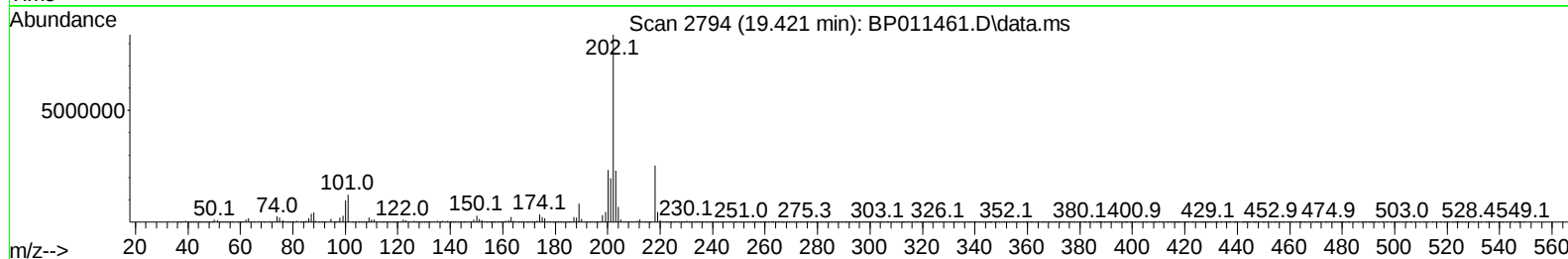
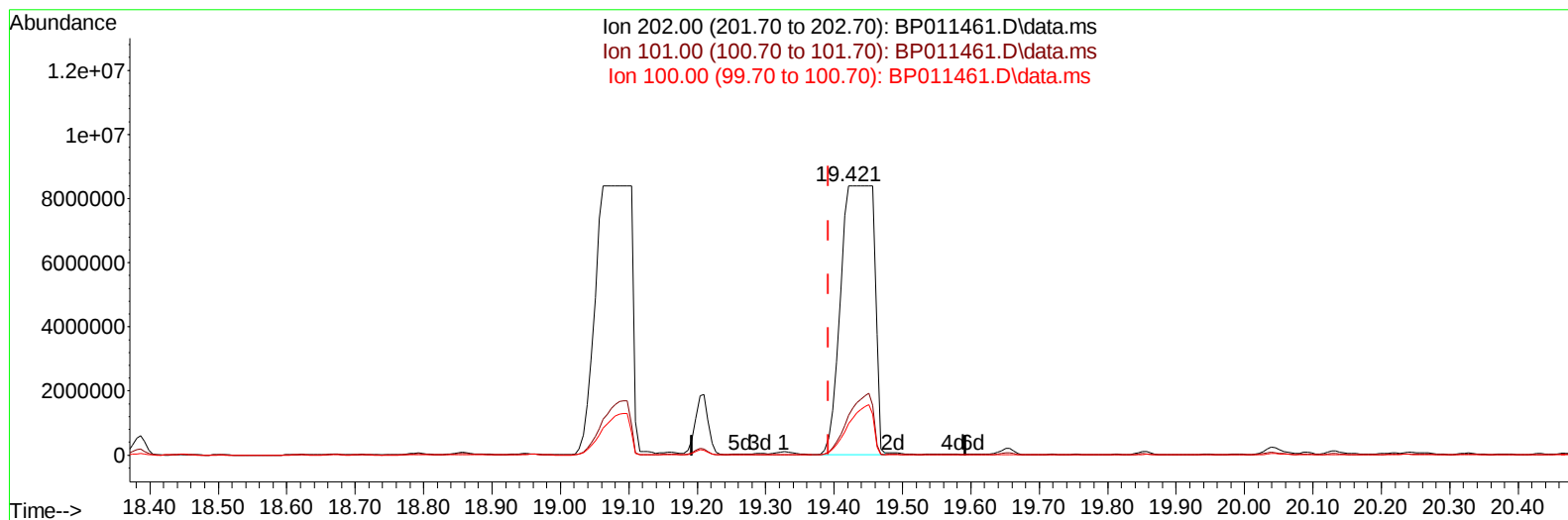
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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

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TIC: BP011461.D\data.ms

(82) Pyrene

19.421min (+ 0.029) 630.61 ng/u1 m

response 28314189

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.30  | 14.70  |
| 100.00 | 11.70  | 11.61  |
| 0.00   | 0.00   | 0.00   |

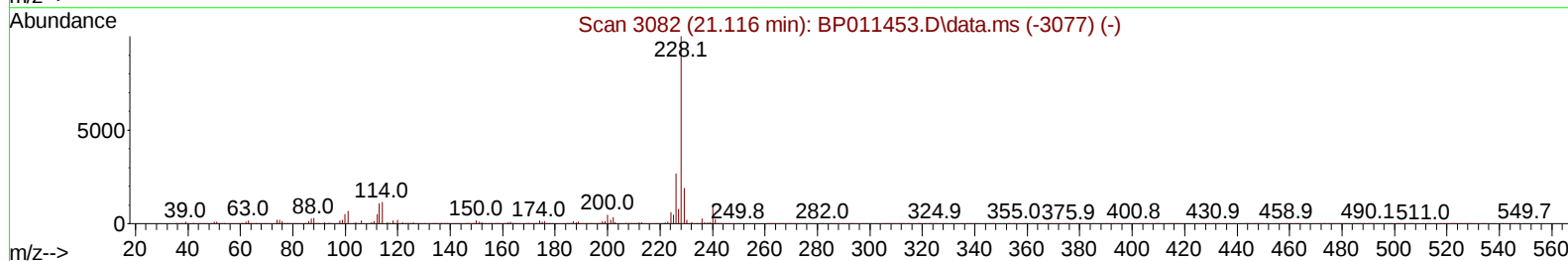
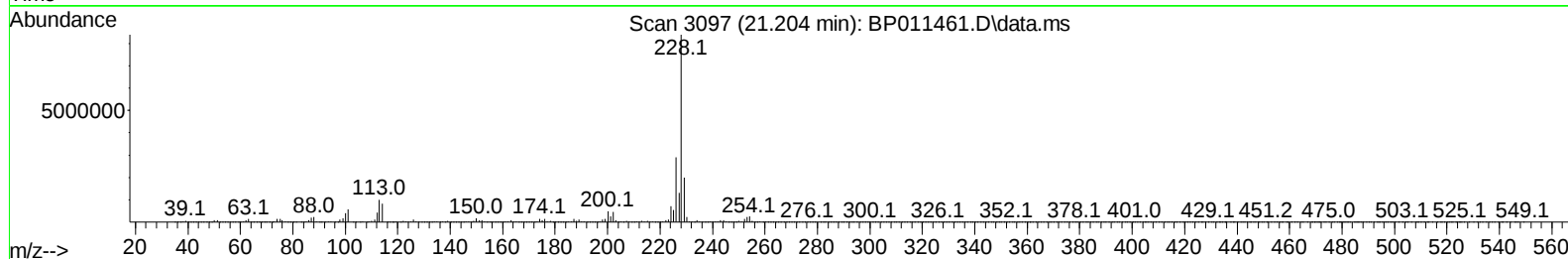
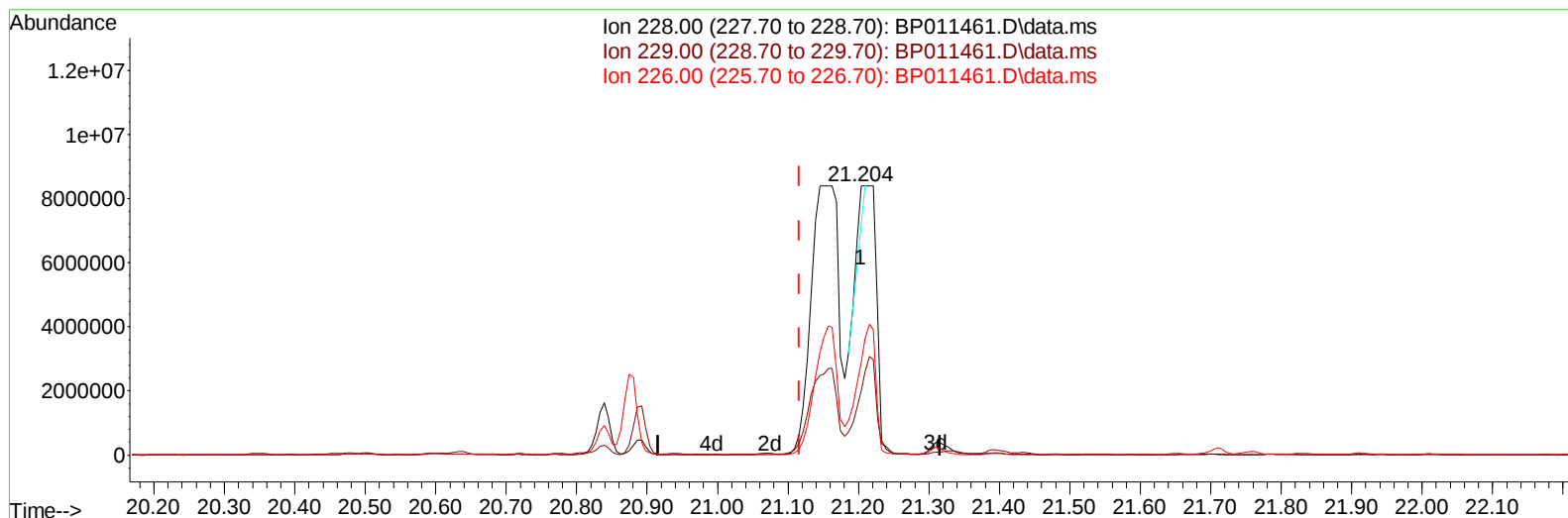
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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TIC: BP011461.D\data.ms

(85) Benzo(a)anthracene

21.204min (+ 0.088) 47.45 ng/u1

response 1985243

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 20.00  | 23.84  |
| 226.00 | 28.20  | 34.51# |
| 0.00   | 0.00   | 0.00   |

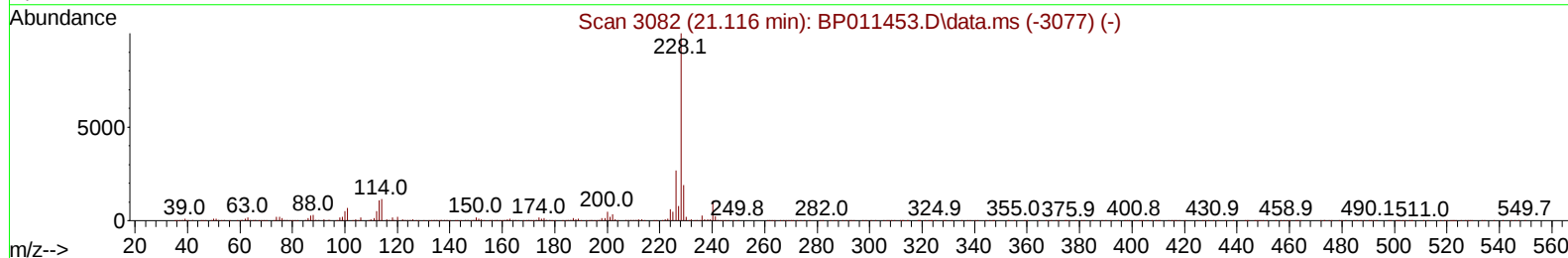
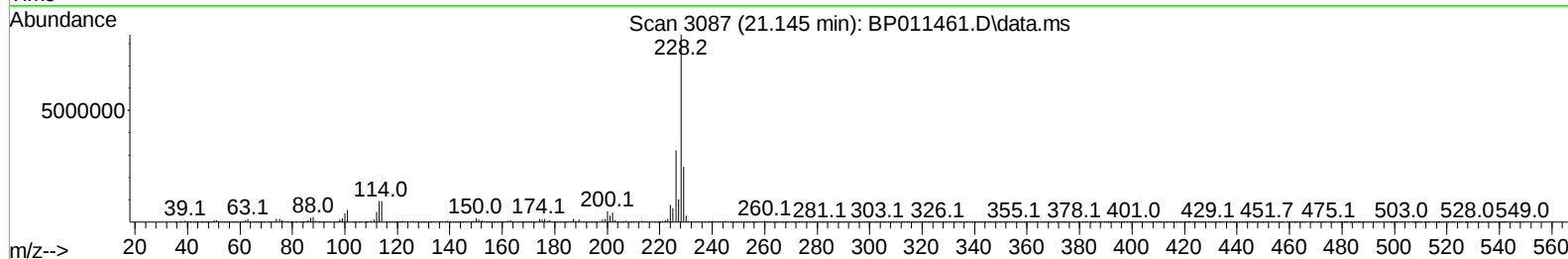
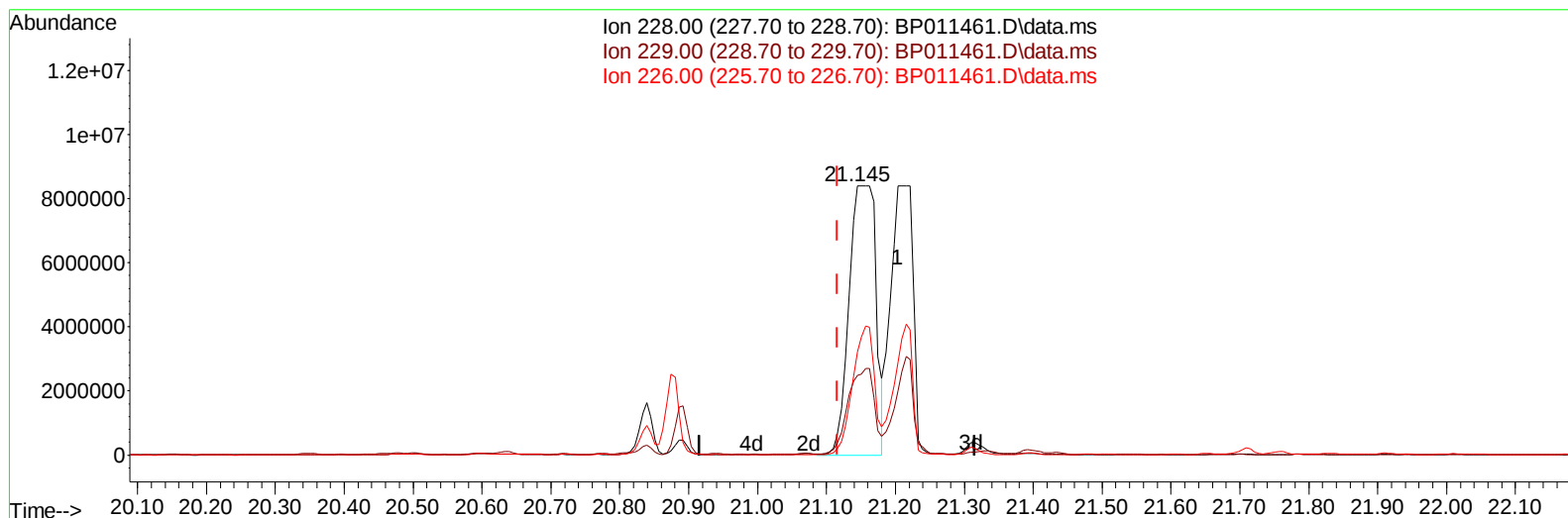
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(85) Benzo(a)anthracene**

21.145min (+ 0.029) 545.09 ng/u1 m

response 22807818

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 20.00  | 29.57# |
| 226.00 | 28.20  | 38.44# |
| 0.00   | 0.00   | 0.00   |

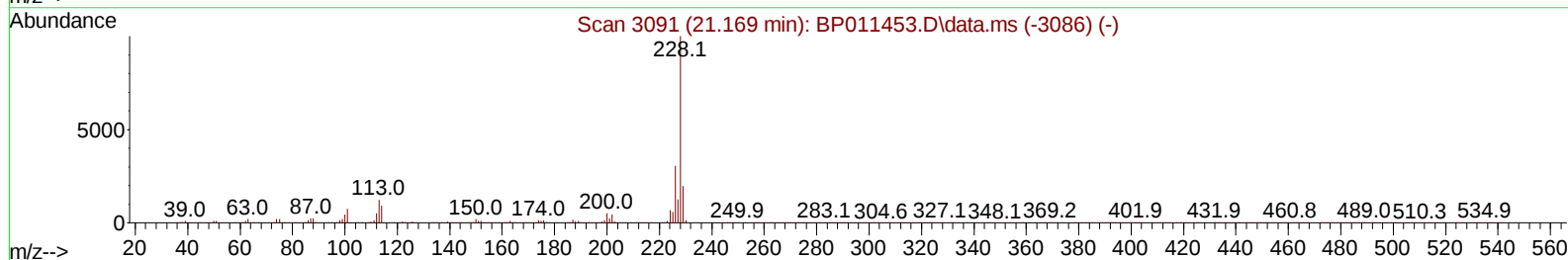
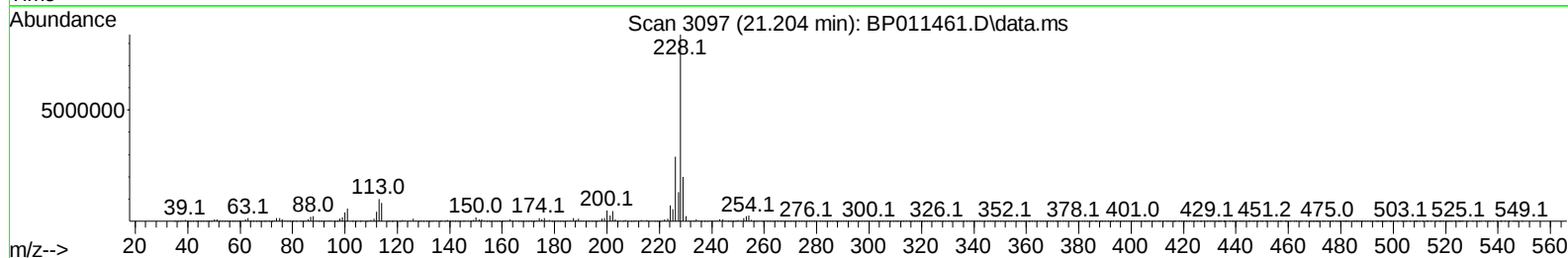
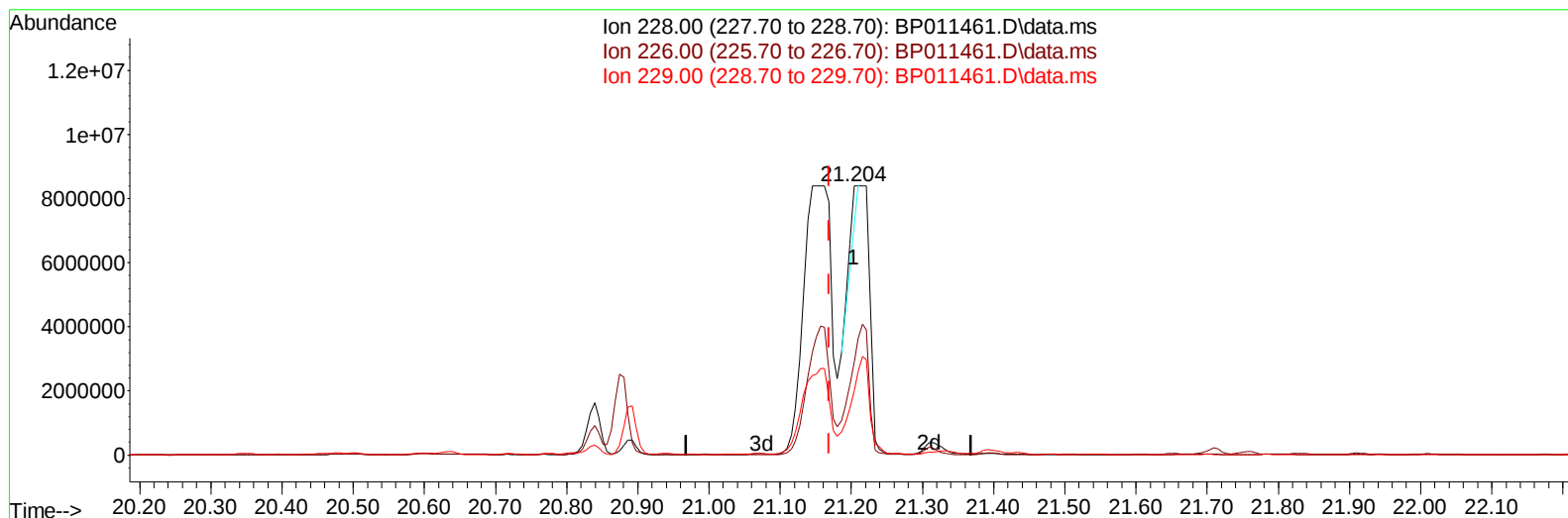
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

(87) Chrysene

21.204min (+ 0.035) 48.30 ng/u1

response 1985243

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.90  | 34.51  |
| 229.00 | 20.00  | 23.84  |
| 0.00   | 0.00   | 0.00   |

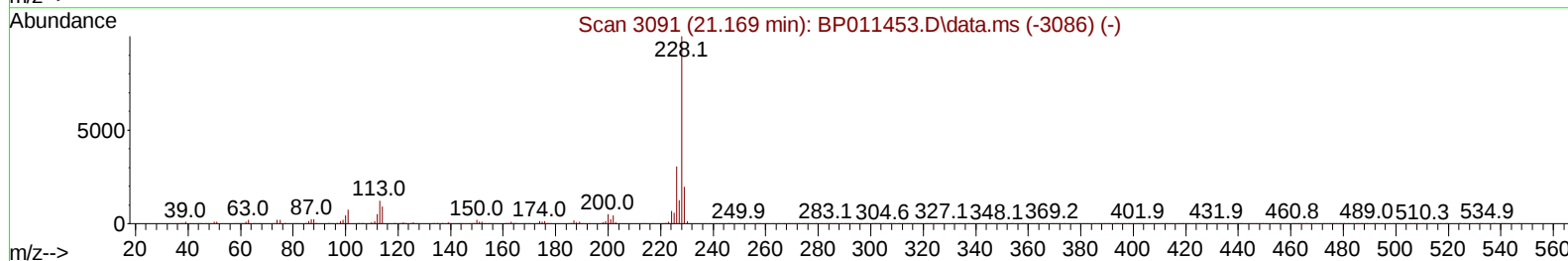
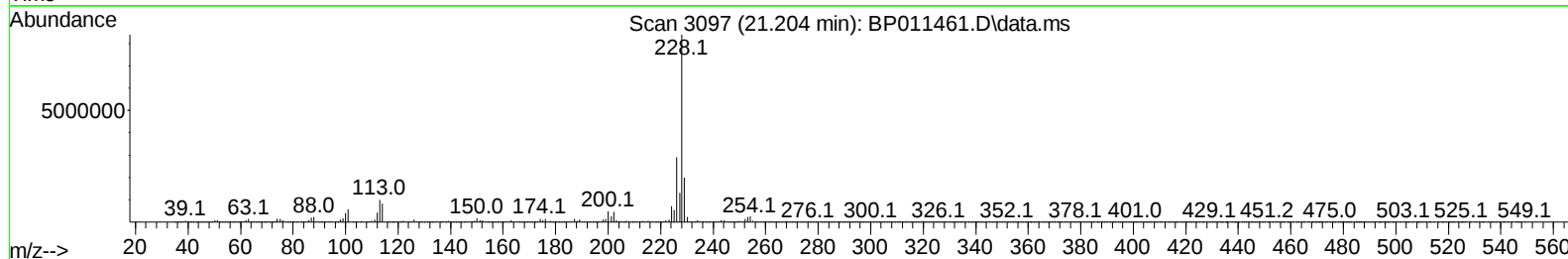
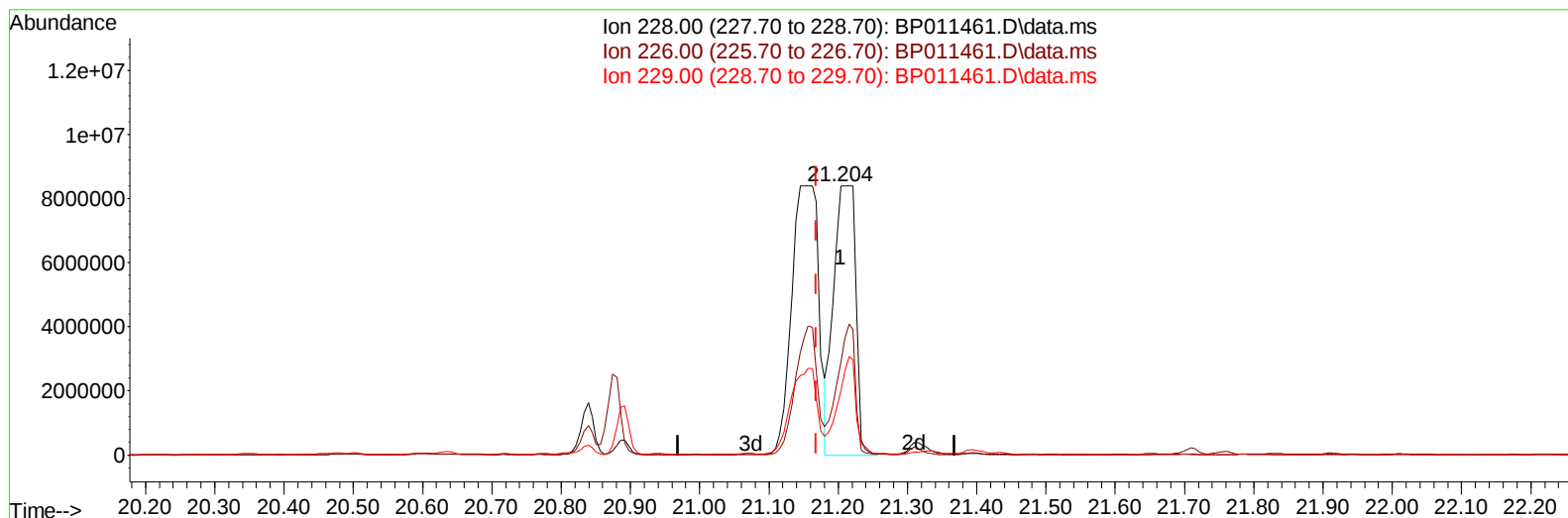
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

(87) Chrysene

21.204min (+ 0.035) 456.08 ng/u1 m

response 18746186

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.90  | 34.51  |
| 229.00 | 20.00  | 23.84  |
| 0.00   | 0.00   | 0.00   |

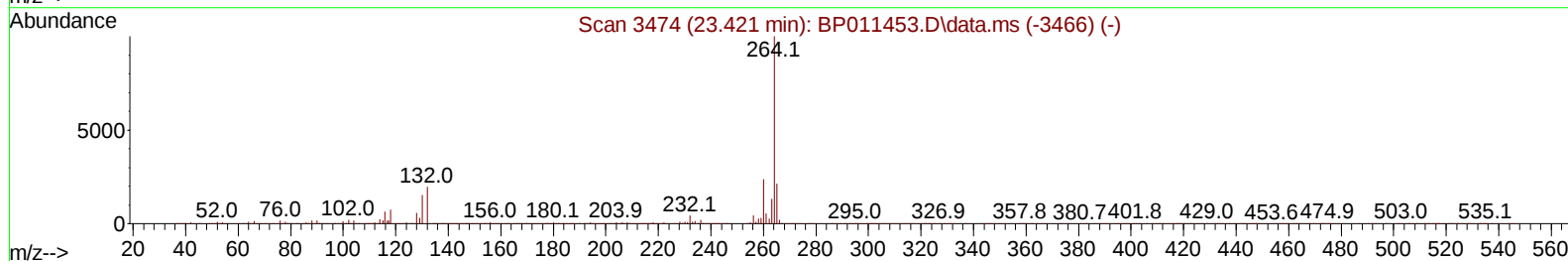
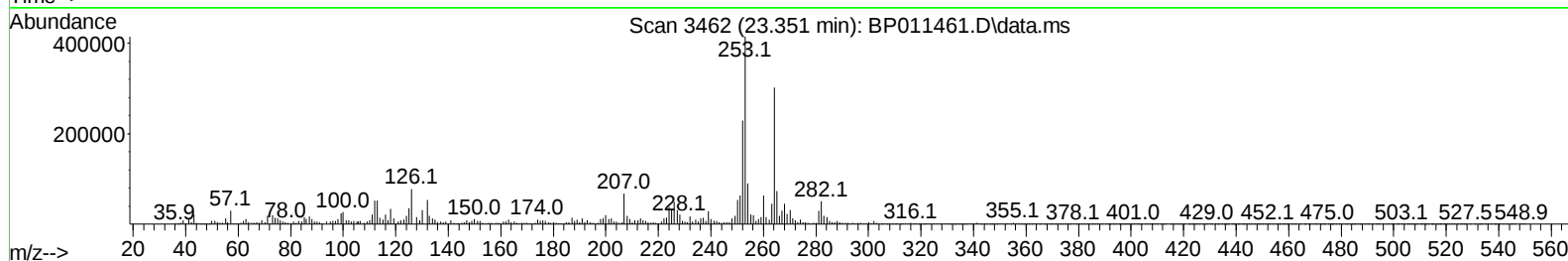
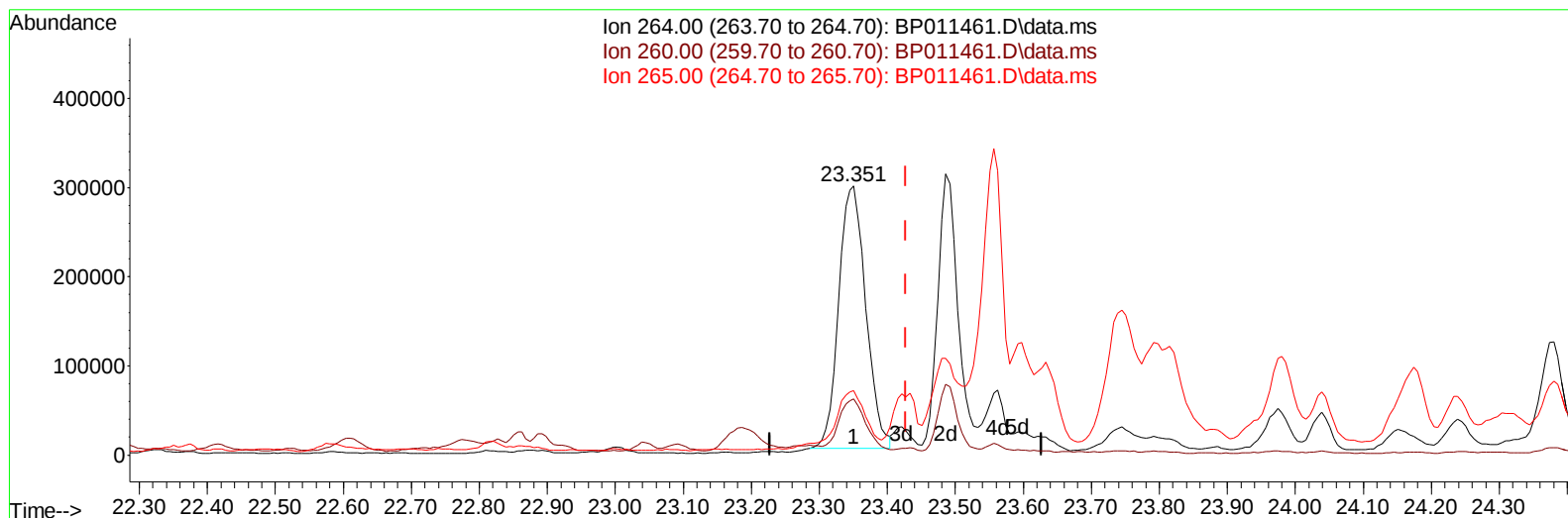
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

**23.351min (-0.077) 20.00 ng/u1**

**response 812204**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 24.40  | 20.81  |
| 265.00 | 22.90  | 24.04  |
| 0.00   | 0.00   | 0.00   |

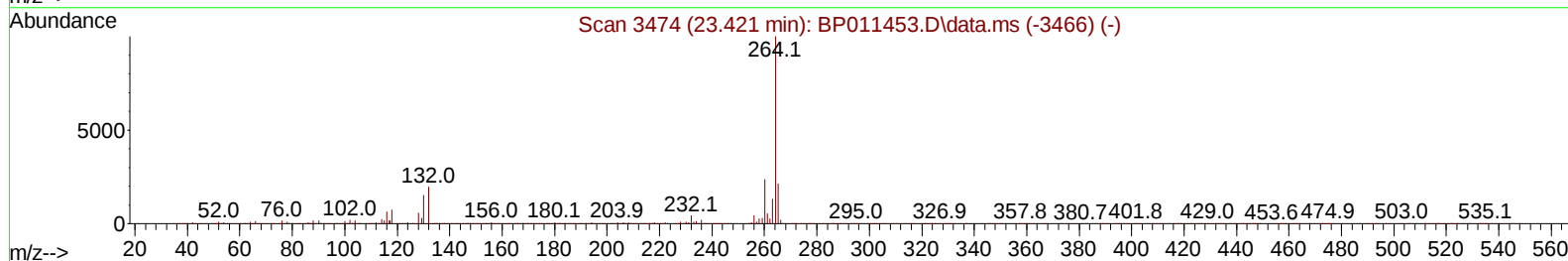
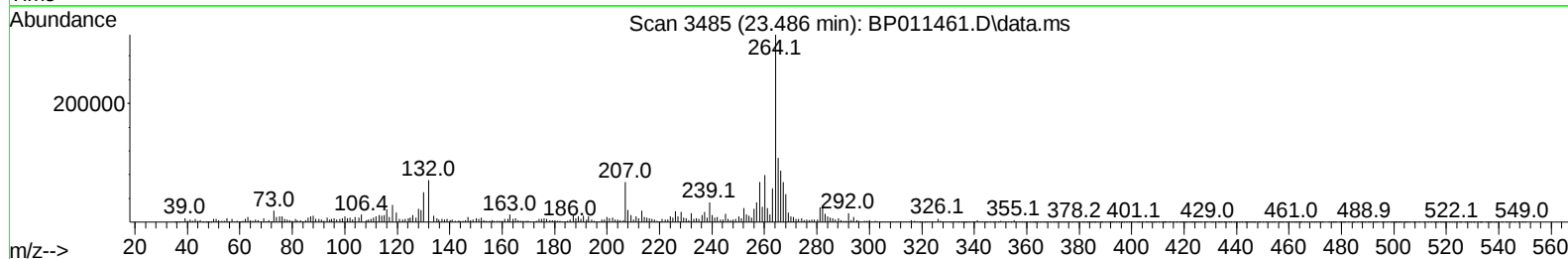
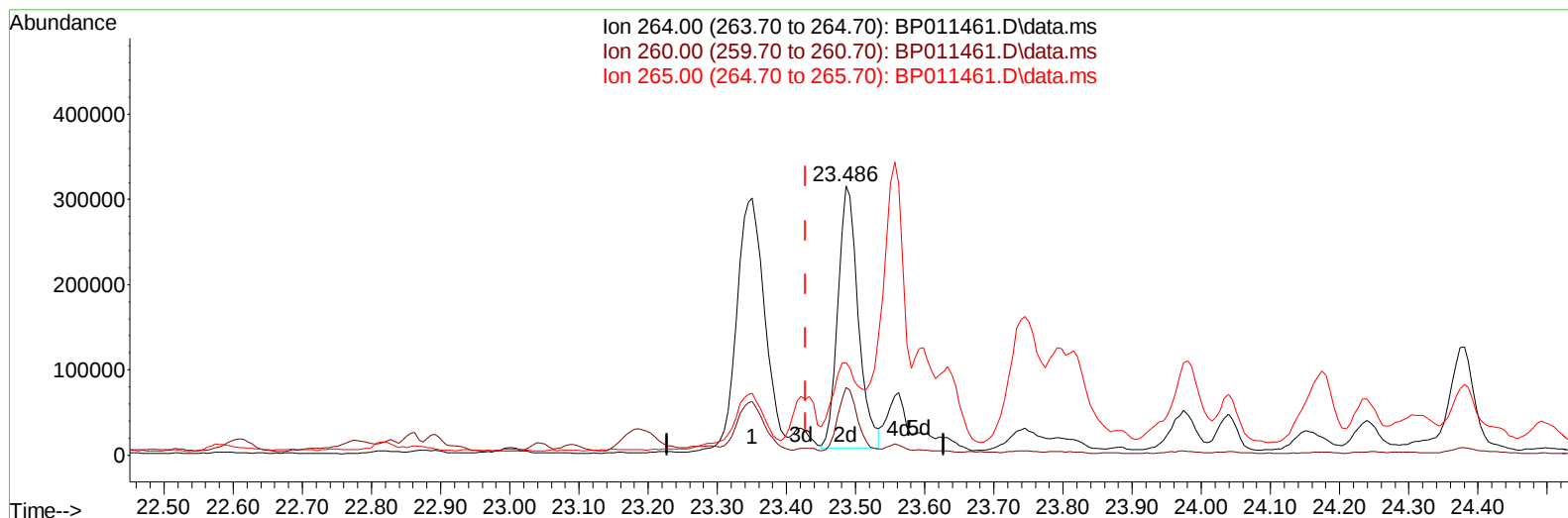
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

23.486min (+ 0.059) 20.00 ng/ul m

response 629783

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 24.40  | 25.17  |
| 265.00 | 22.90  | 34.39# |
| 0.00   | 0.00   | 0.00   |

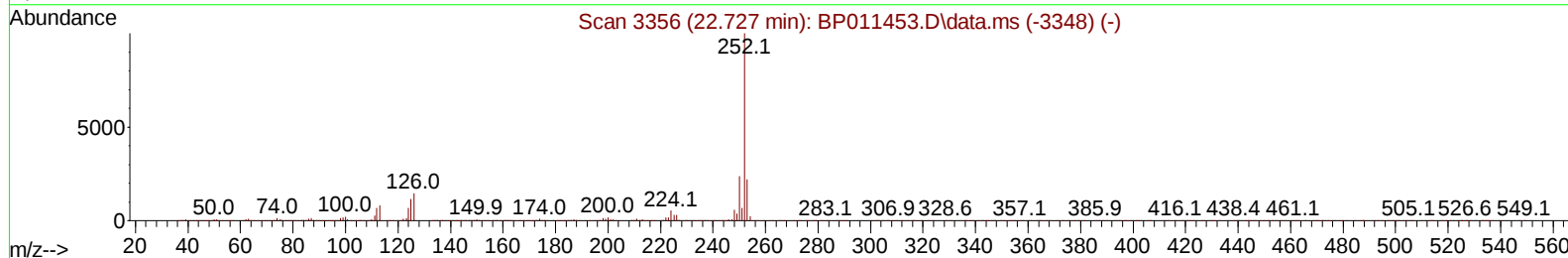
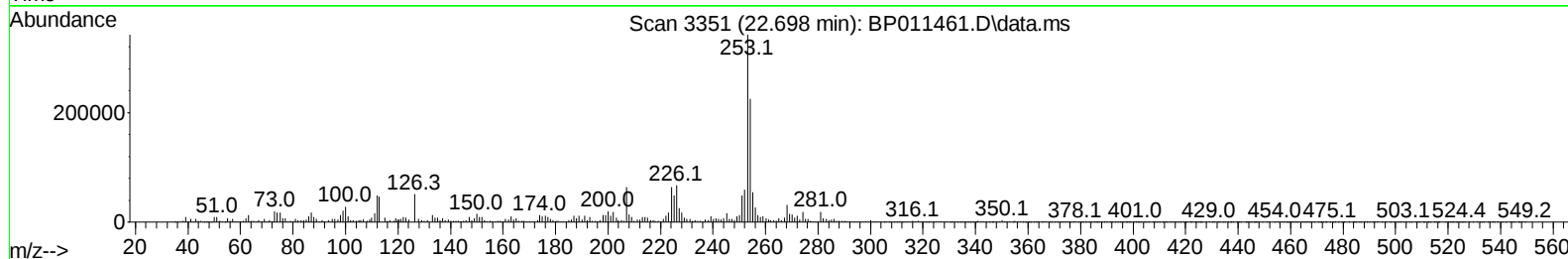
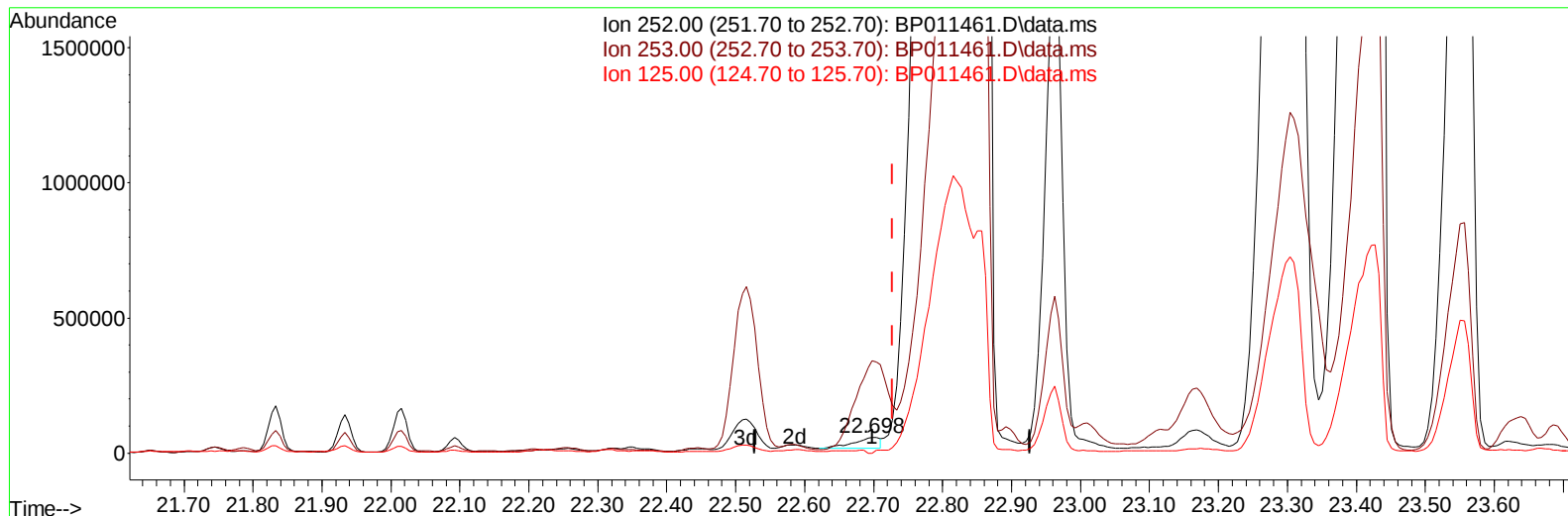
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 17 01:58:37 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(90) Benzo(b)fluoranthene**

**22.698min (-0.030) 2.86 ng/u1**

**response 112179**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 21.90  | 580.90# |
| 125.00 | 11.20  | 0.00#   |
| 0.00   | 0.00   | 0.00    |

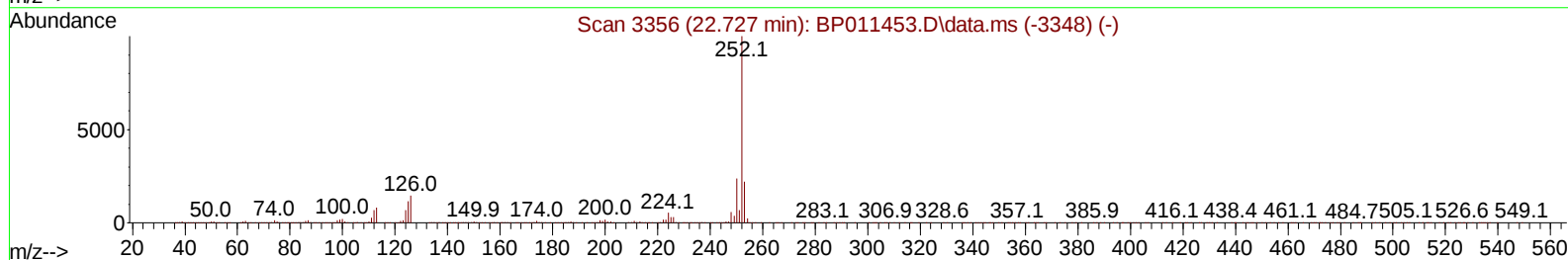
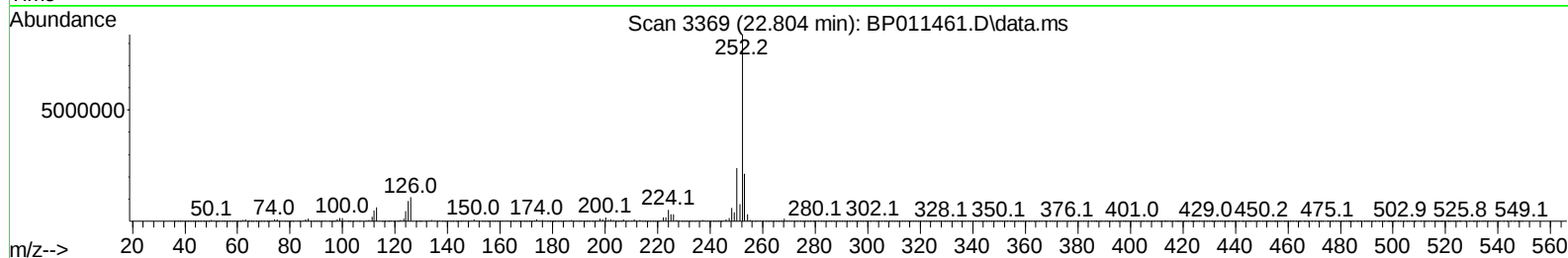
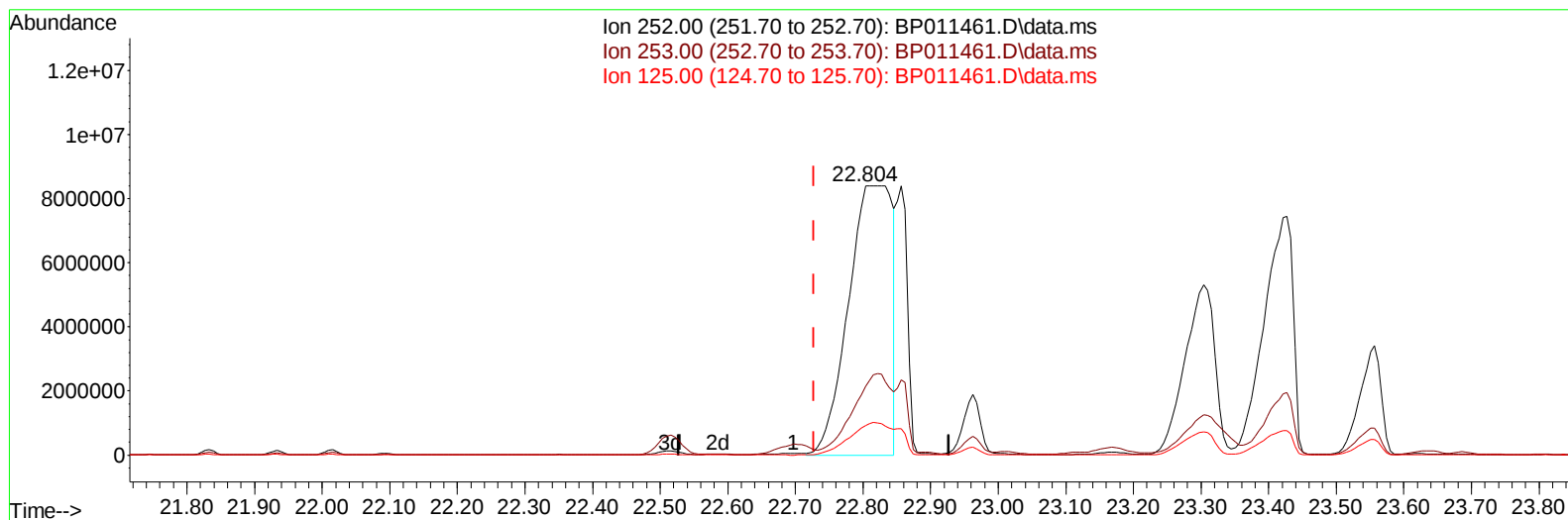
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(90) Benzo(b)fluoranthene**

22.804min (+ 0.076) 956.47 ng/u1 m

response 37470099

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 25.50  |
| 125.00 | 11.20  | 10.93  |
| 0.00   | 0.00   | 0.00   |

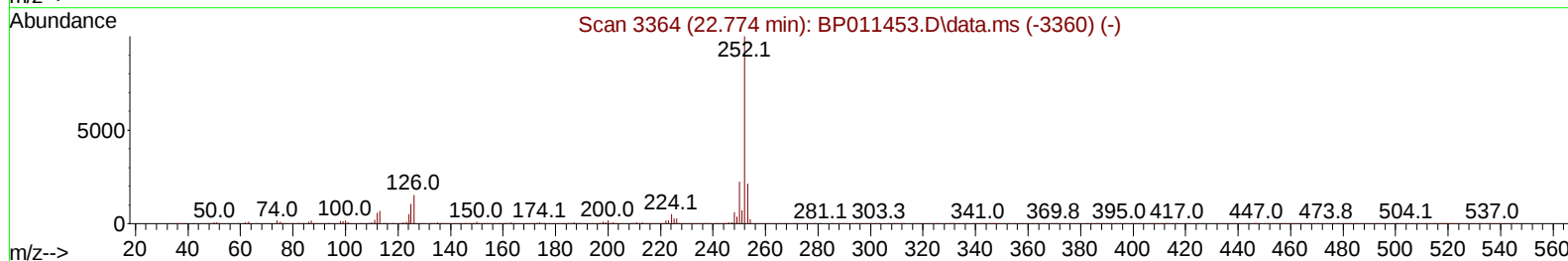
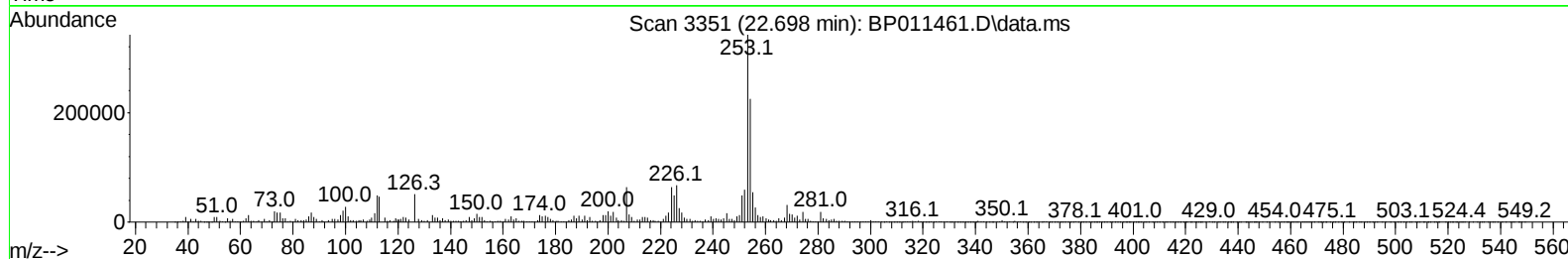
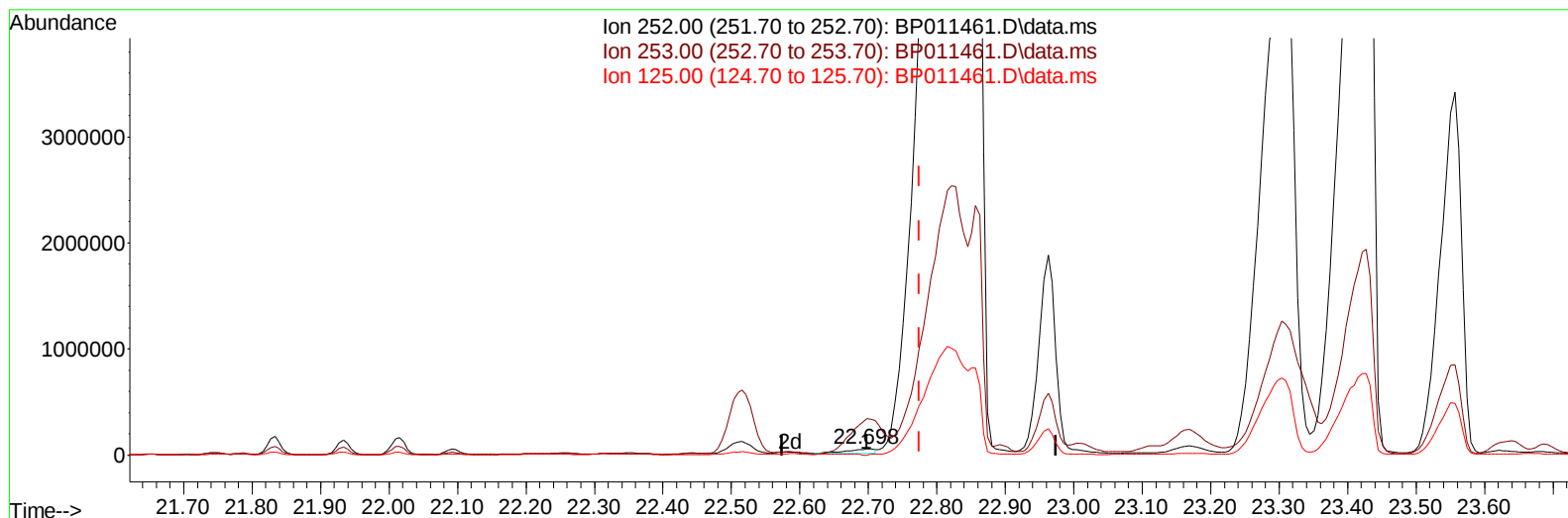
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(91) Benzo(k)fluoranthene**

**22.698min (-0.077) 3.00 ng/u1**

**response 112179**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 22.40  | 580.90# |
| 125.00 | 12.30  | 0.00#   |
| 0.00   | 0.00   | 0.00    |

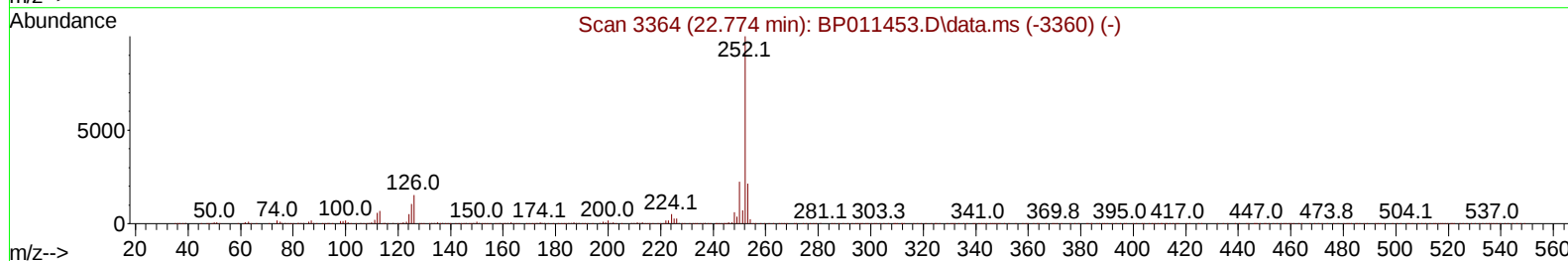
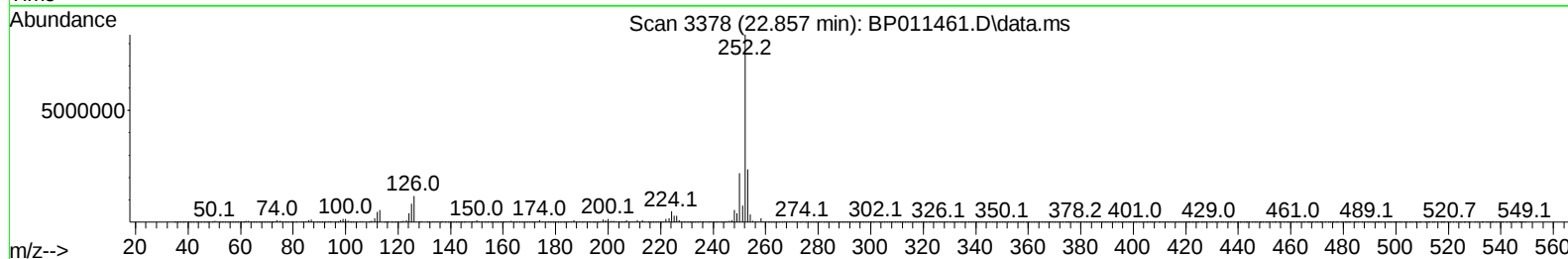
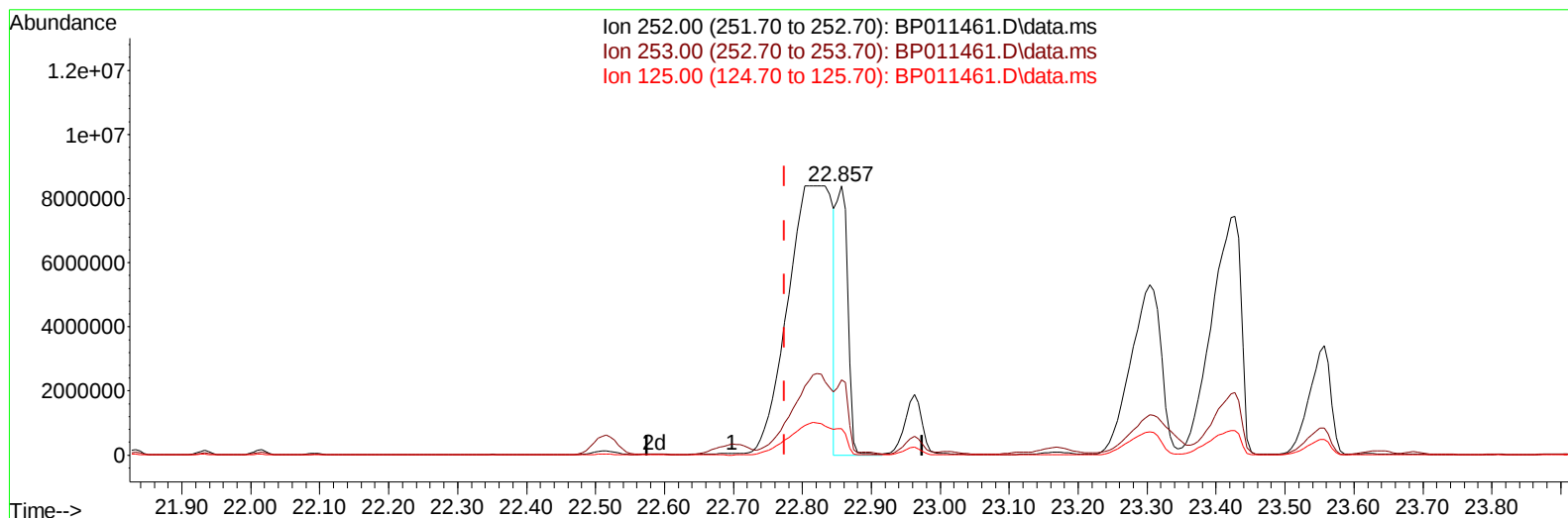
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(91) Benzo(k)fluoranthene**

22.857min (+ 0.082) 260.11 ng/u1 m

response 9724112

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.40  | 28.05# |
| 125.00 | 12.30  | 9.81#  |
| 0.00   | 0.00   | 0.00   |

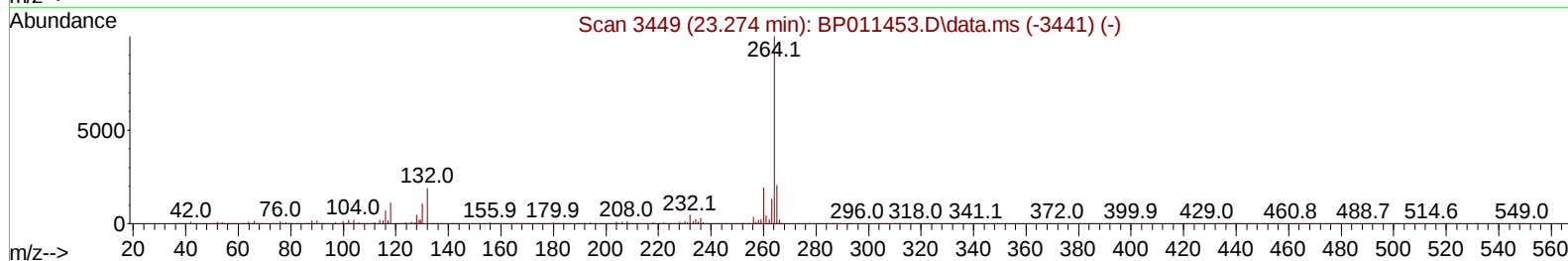
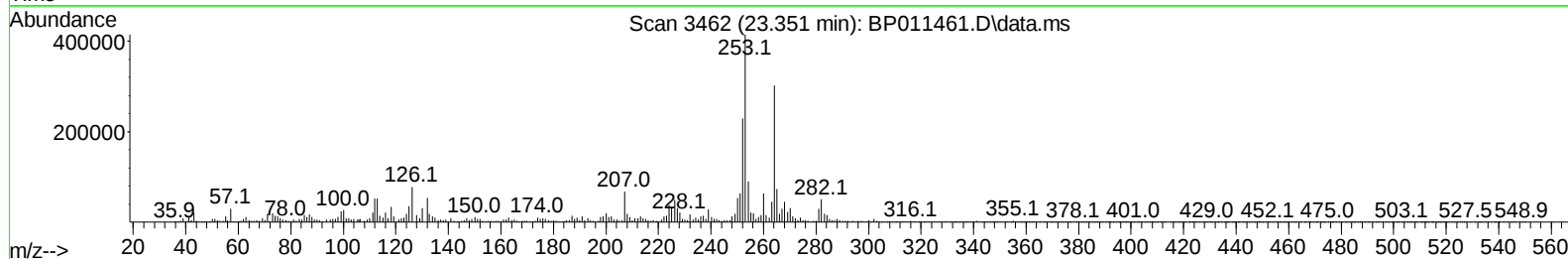
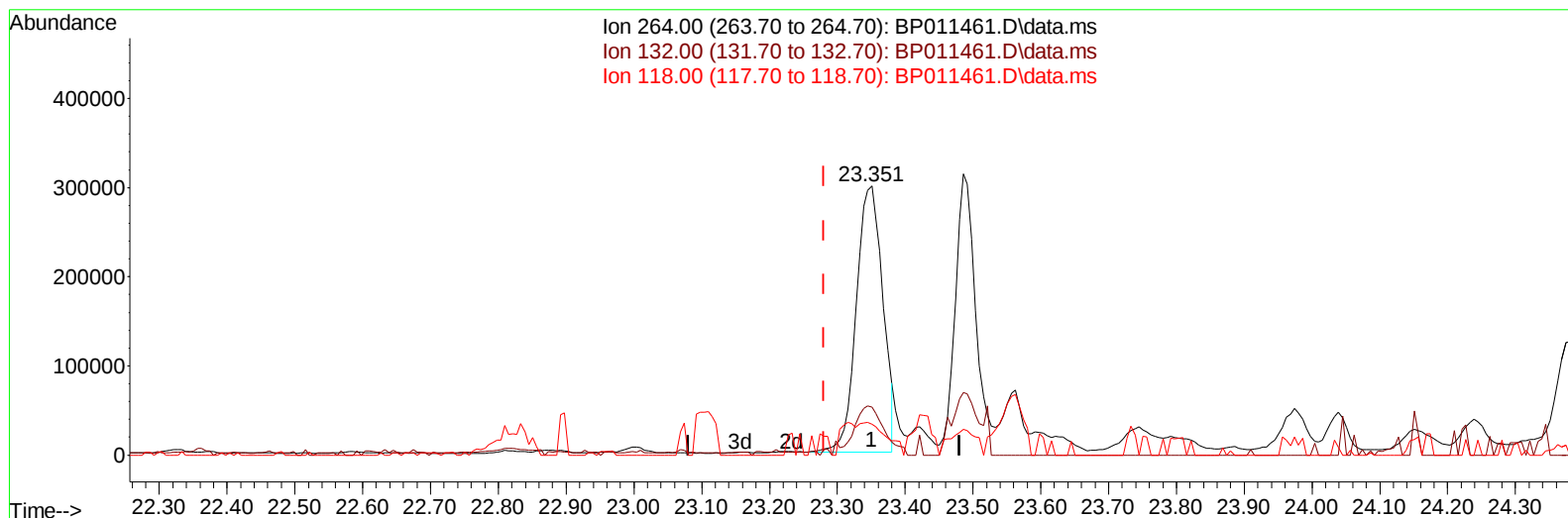
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 17 01:58:37 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

**23.351min (+ 0.070) 26.37 ng/u1**

**response 807764**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 132.00 | 17.60  | 17.88  |
| 118.00 | 11.10  | 11.40  |
| 0.00   | 0.00   | 0.00   |

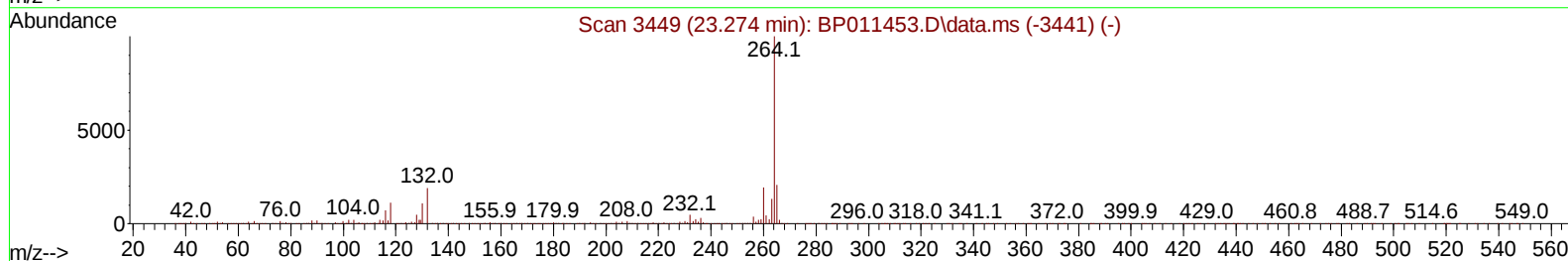
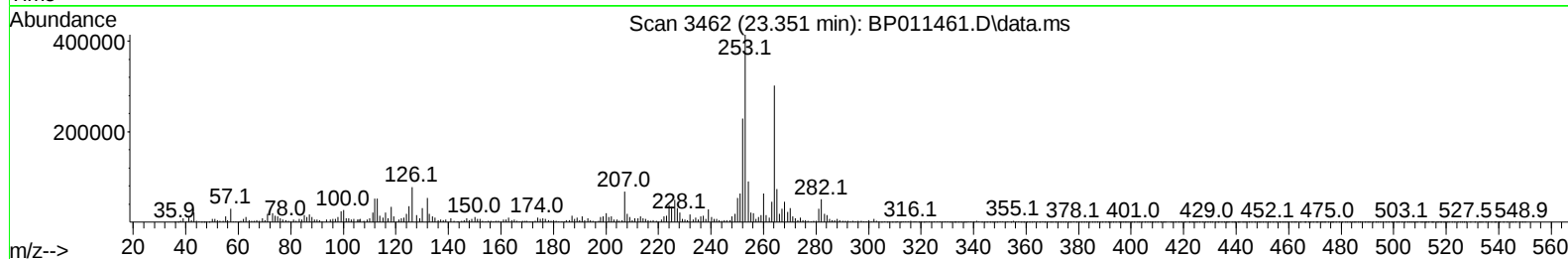
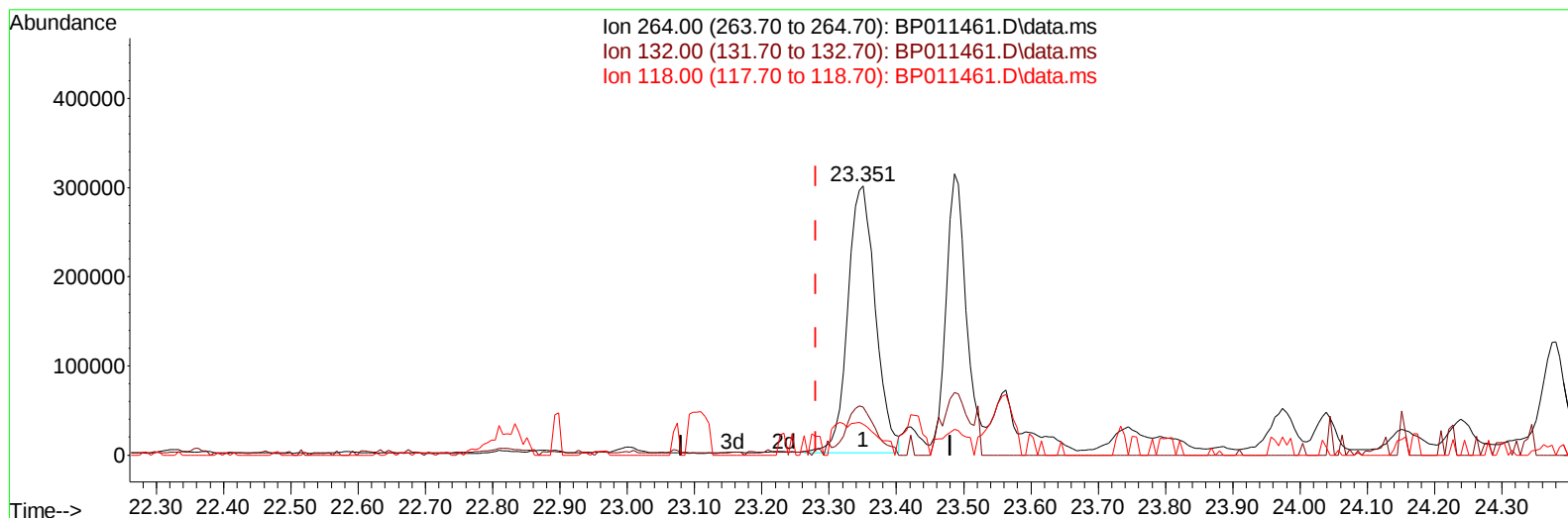
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

**23.351min (+ 0.070) 27.81 ng/ul m**

**response 851829**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 132.00 | 17.60  | 17.88  |
| 118.00 | 11.10  | 11.40  |
| 0.00   | 0.00   | 0.00   |

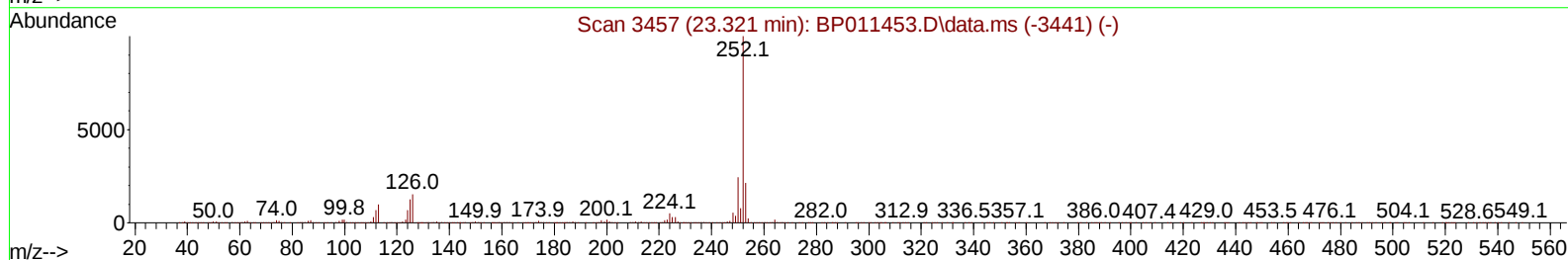
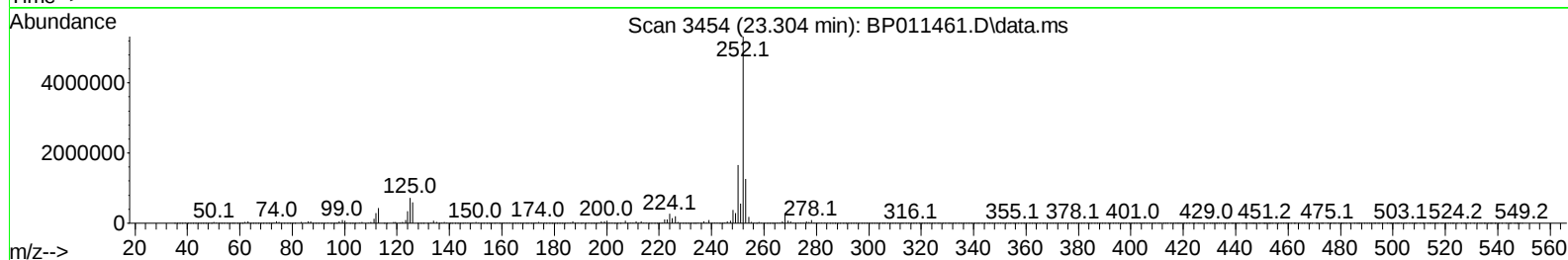
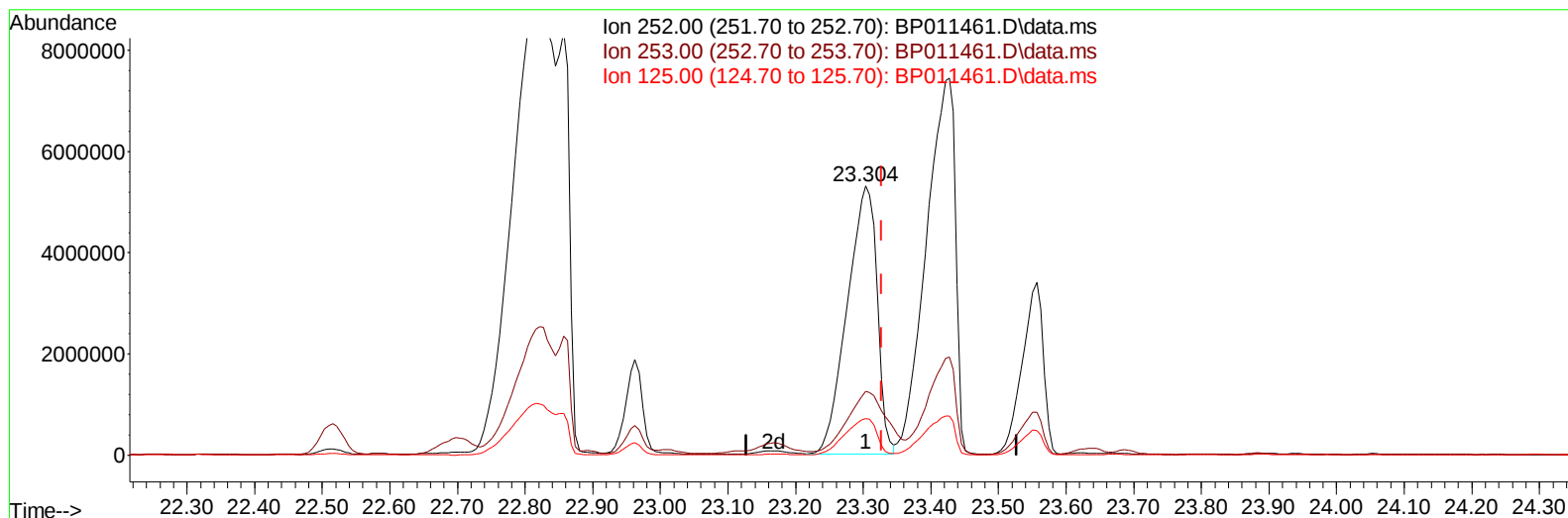
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 17 01:58:37 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

(93) Benzo(a)pyrene (C)

23.304min (-0.024) 424.01 ng/u1

response 16217093

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.00  | 23.72  |
| 125.00 | 12.40  | 13.67  |
| 0.00   | 0.00   | 0.00   |

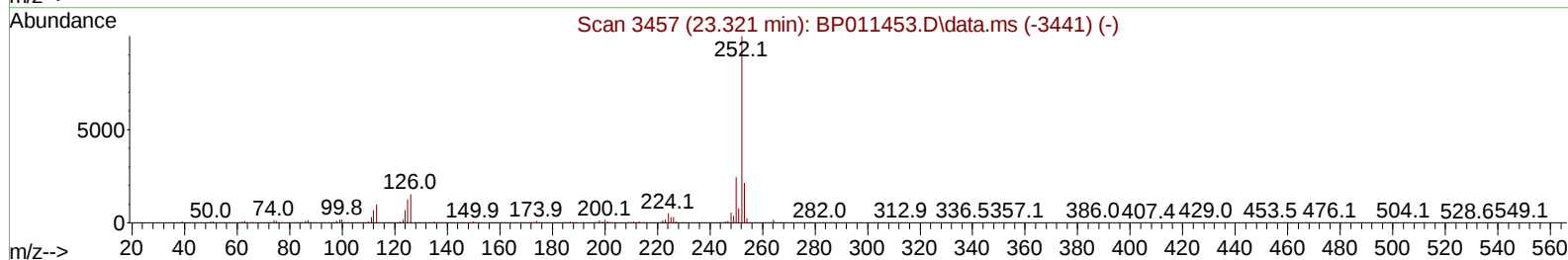
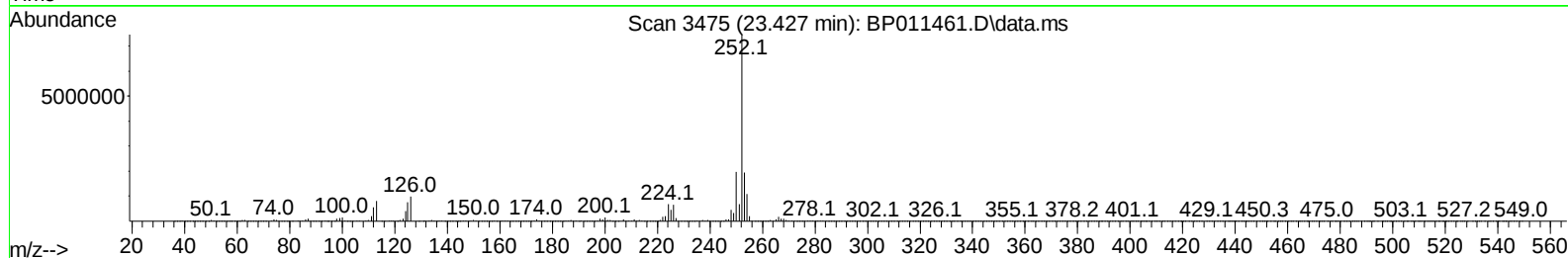
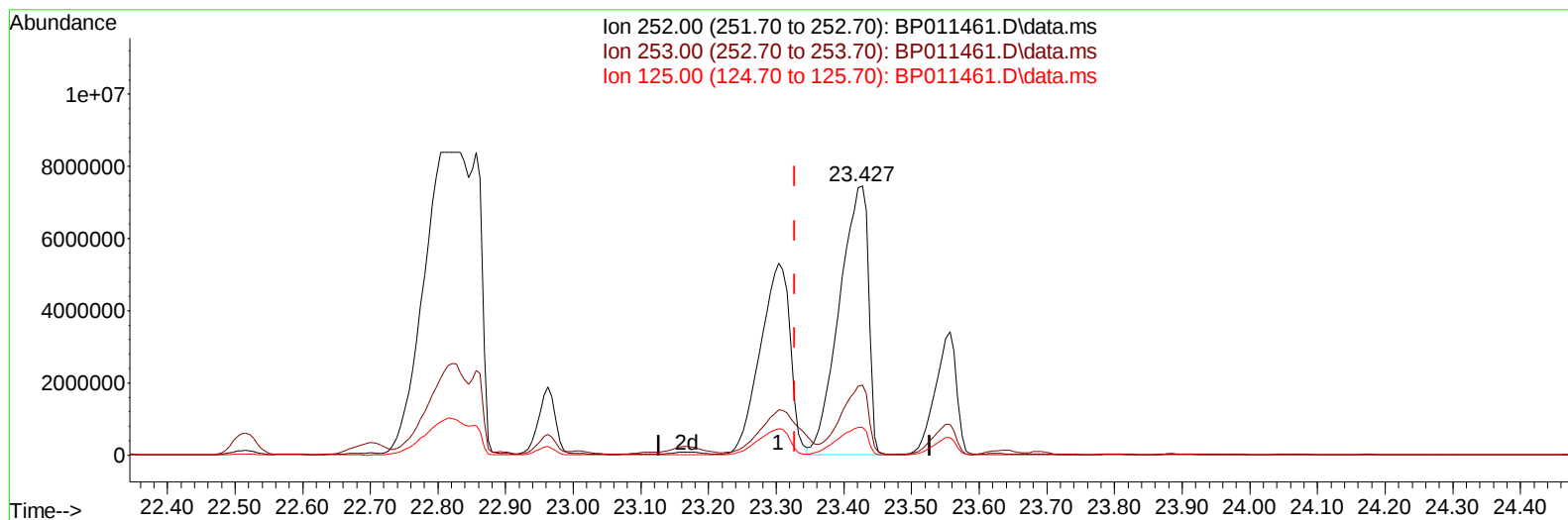
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

**(93) Benzo(a)pyrene (C)**

**23.427min (+ 0.100) 583.35 ng/u1 m**

**response 22311347**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.00  | 26.04# |
| 125.00 | 12.40  | 10.34  |
| 0.00   | 0.00   | 0.00   |

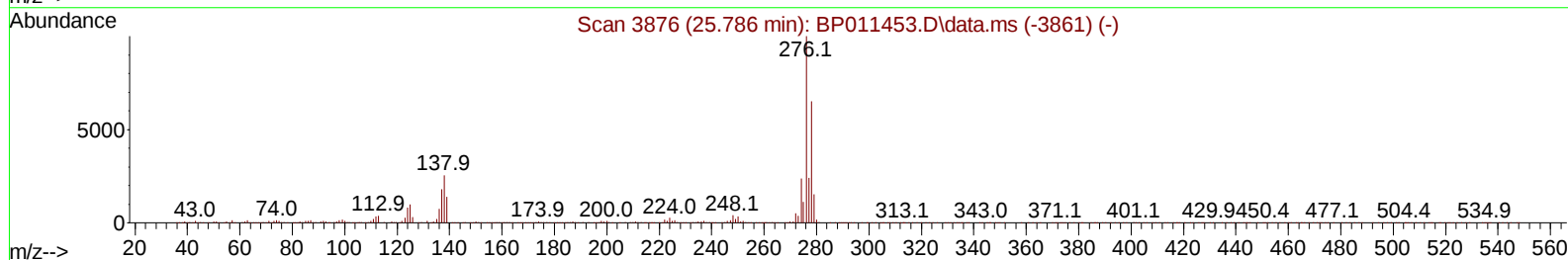
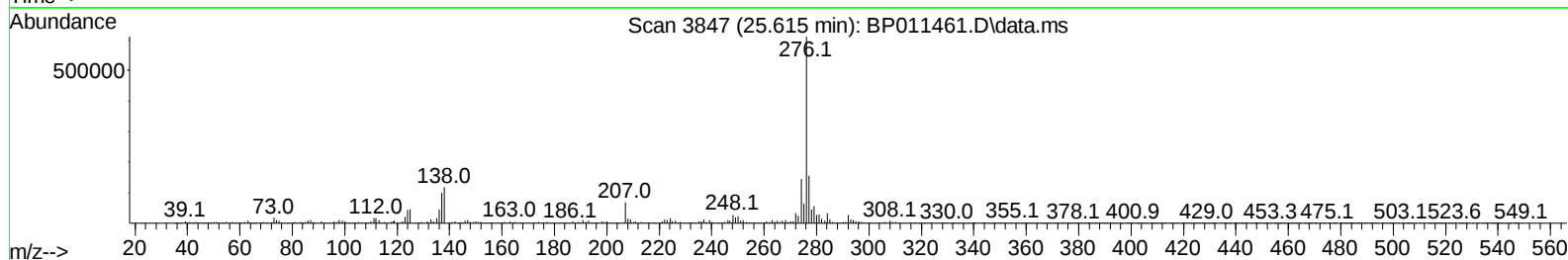
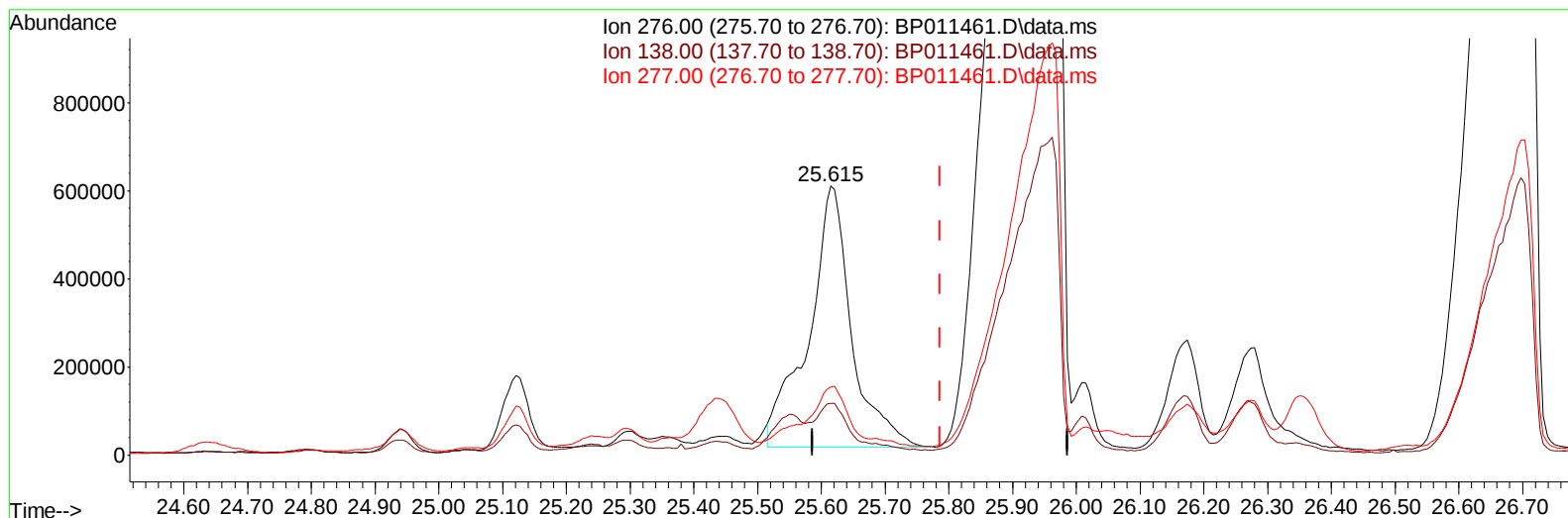
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 17 01:58:37 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

**25.615min (-0.171) 65.40 ng/u1**

**response 2790082**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 25.30  | 19.25# |
| 277.00 | 25.10  | 25.45  |
| 0.00   | 0.00   | 0.00   |

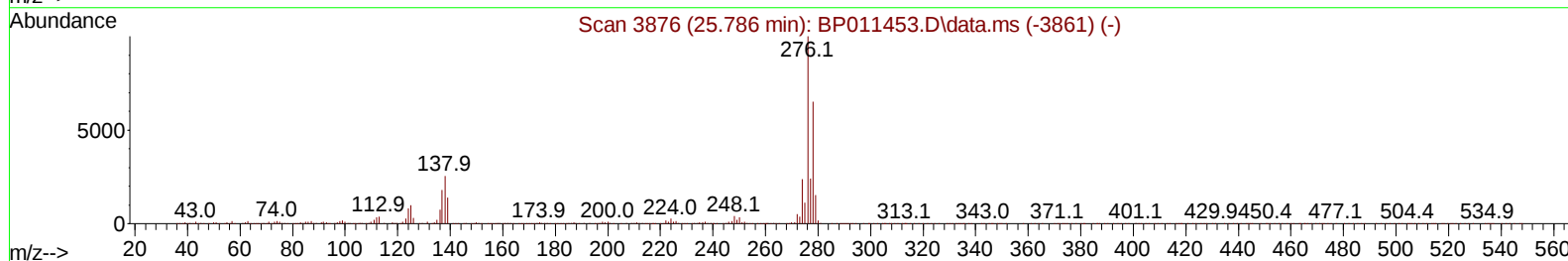
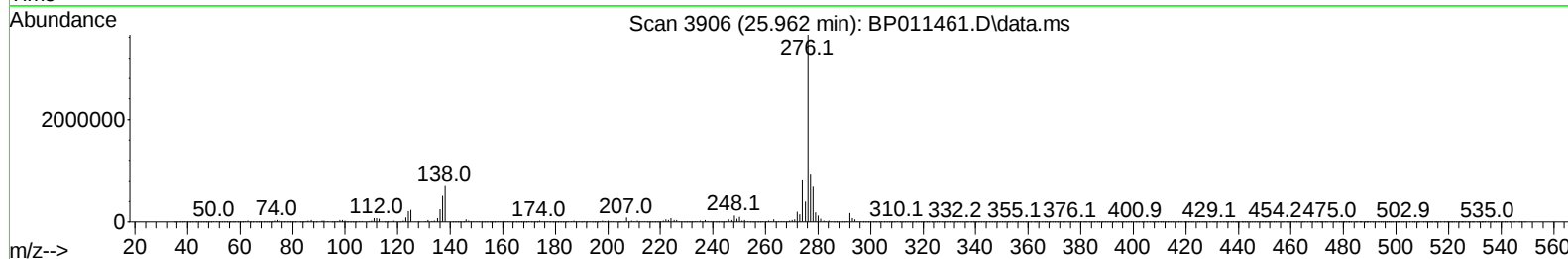
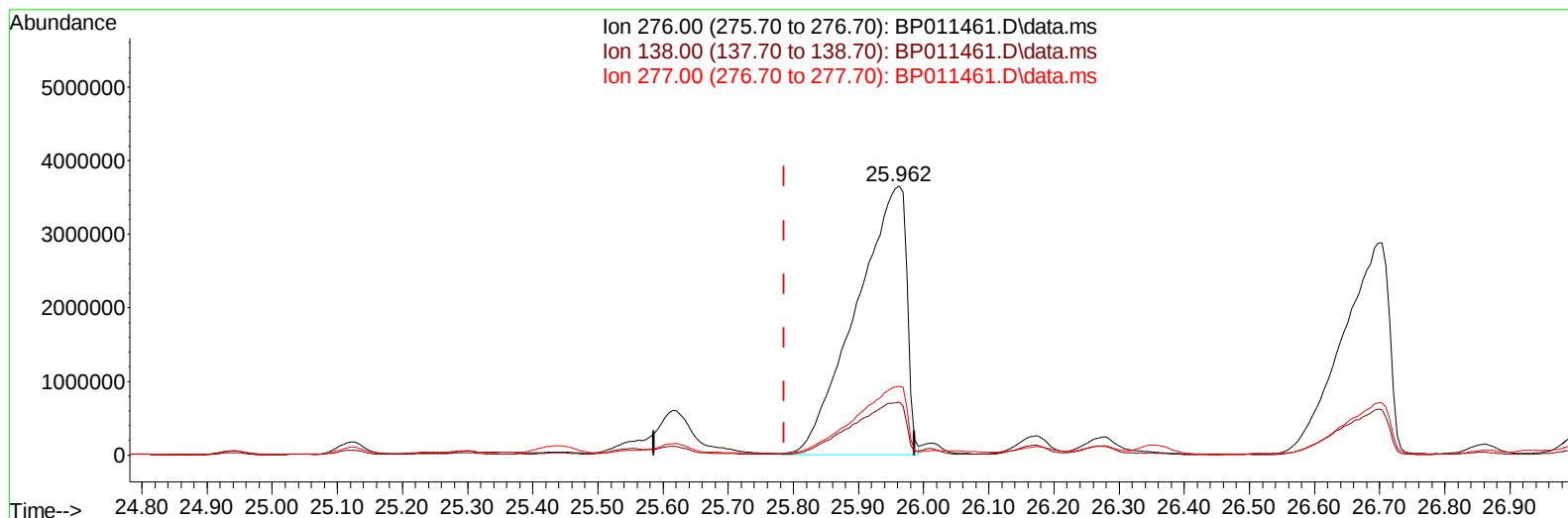
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
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Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

**25.962min (+ 0.176) 460.10 ng/u1 m**

**response 19628217**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 25.30  | 19.77# |
| 277.00 | 25.10  | 25.63  |
| 0.00   | 0.00   | 0.00   |

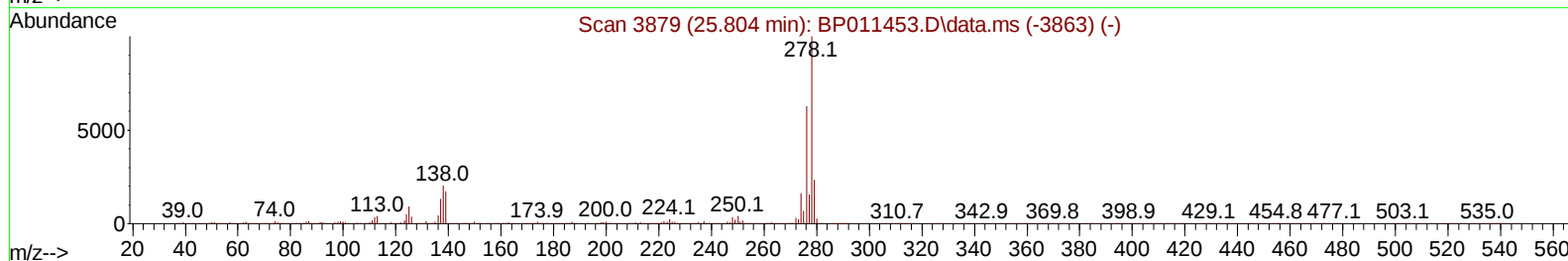
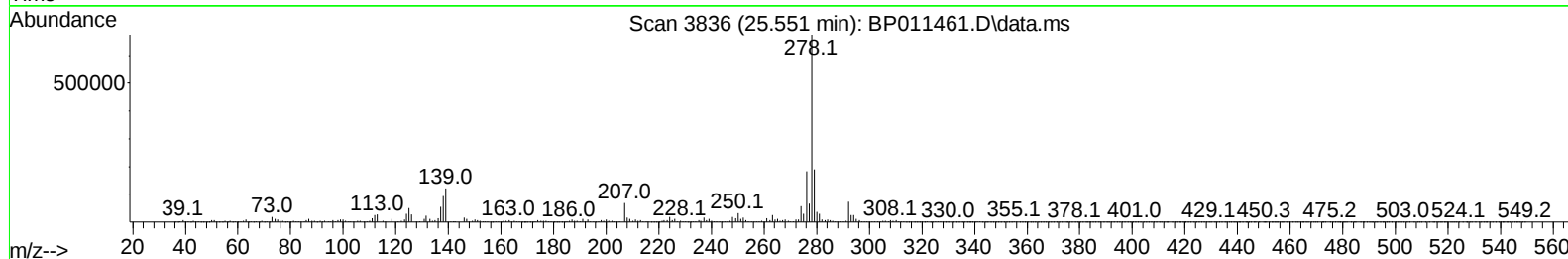
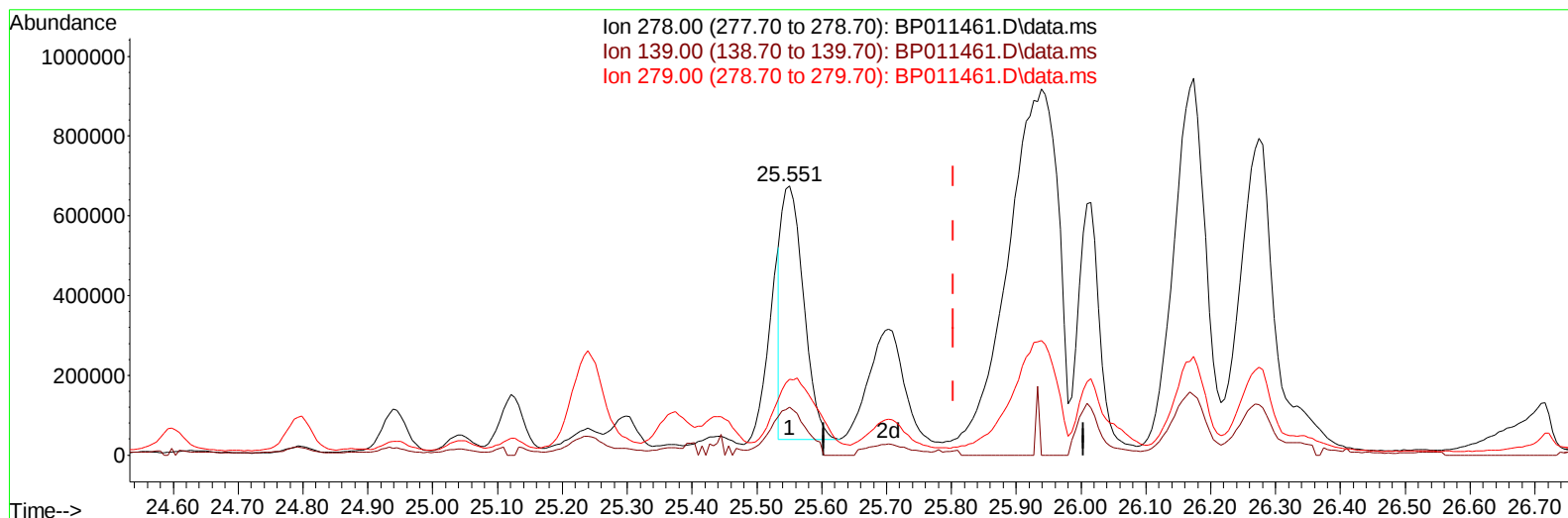
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
Data File : BP011461.D  
Acq On : 17 Aug 2022 14:13  
Operator : CG/JU  
Sample : N4173-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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TIC: BP011461.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**25.551min (-0.253) 41.16 ng/u1**

**response 1512083**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.20  | 17.92  |
| 279.00 | 24.10  | 28.27  |
| 0.00   | 0.00   | 0.00   |

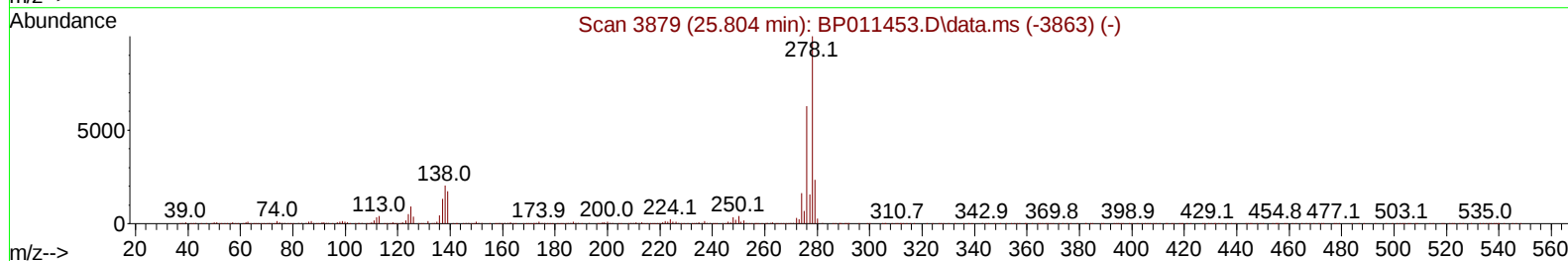
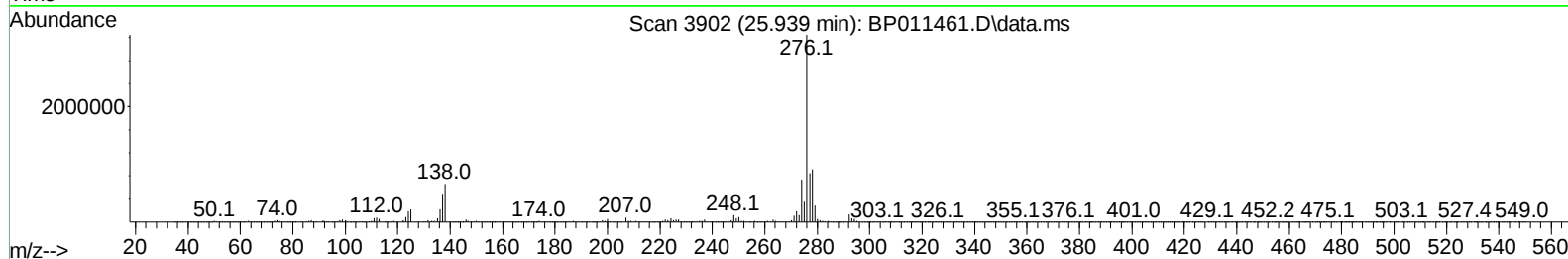
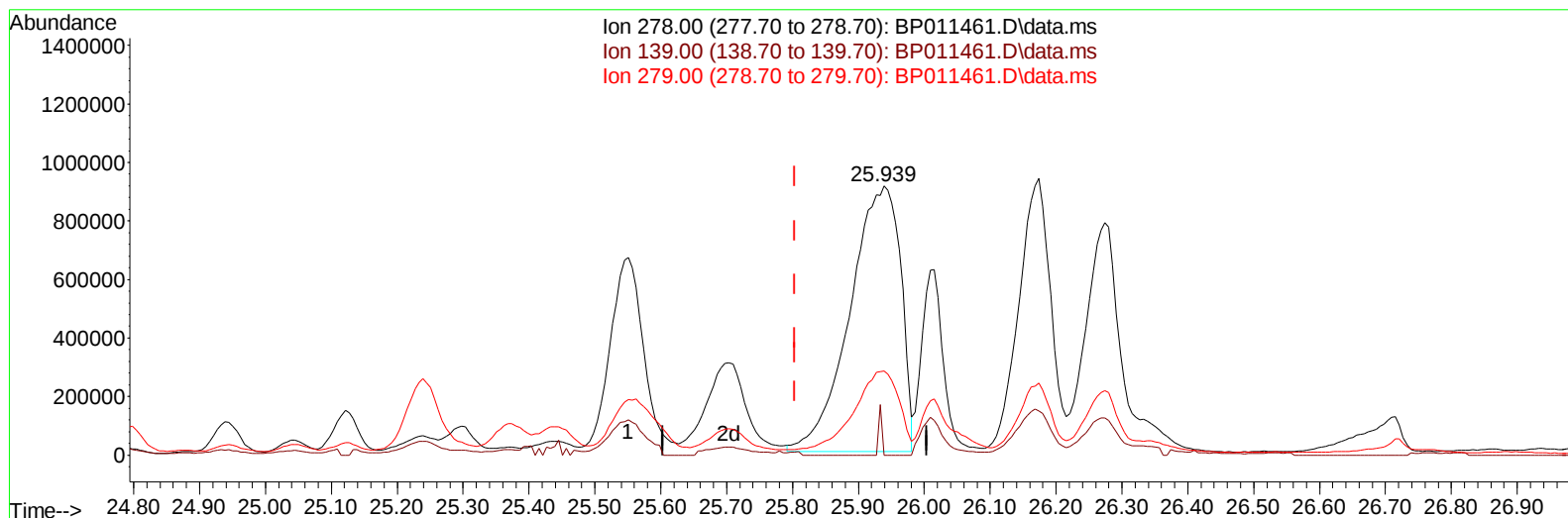
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
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 QLast Update : Wed Aug 17 01:58:37 2022  
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TIC: BP011461.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**25.939min (+ 0.135) 131.95 ng/u1 m**

**response 4846922**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 19.20  | 0.00#  |
| 279.00 | 24.10  | 31.32# |
| 0.00   | 0.00   | 0.00   |

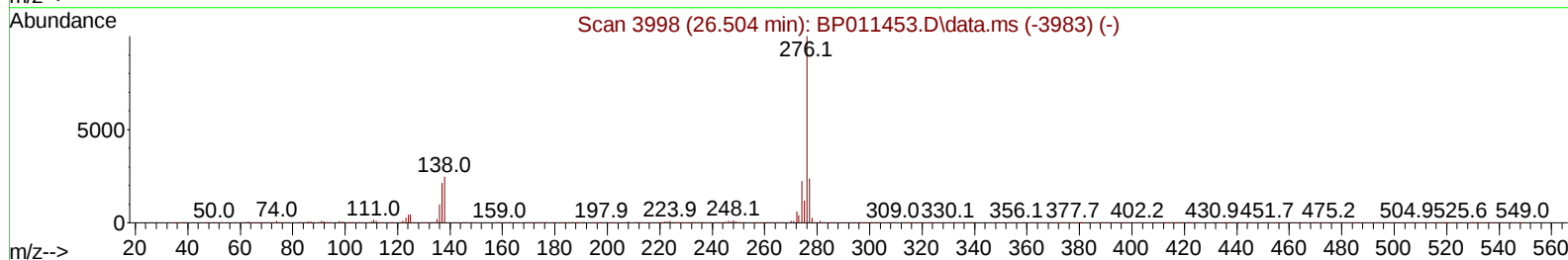
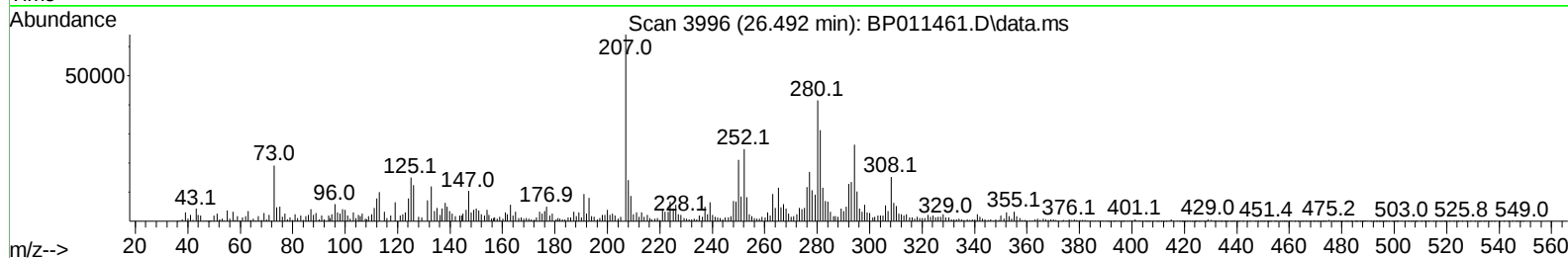
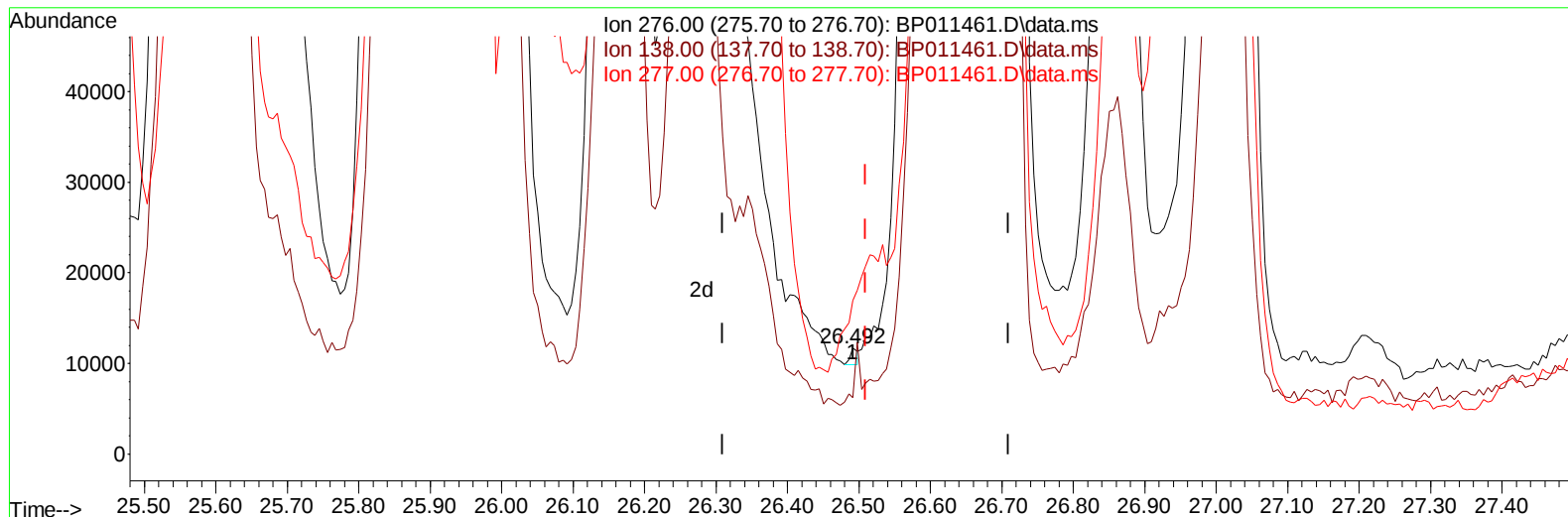
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
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Reviewed By :Jagrut Upadhyay 08/18/2022  
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TIC: BP011461.D\data.ms

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

26.492min (-0.018) 0.04 ng/u1

response 1317

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 276.00 | 100.00 | 100.00  |
| 138.00 | 24.30  | 53.00#  |
| 277.00 | 23.90  | 144.68# |
| 0.00   | 0.00   | 0.00    |

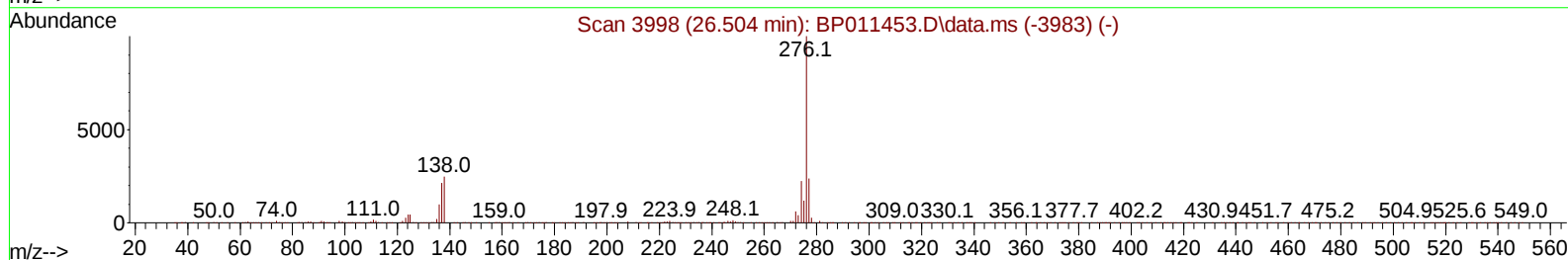
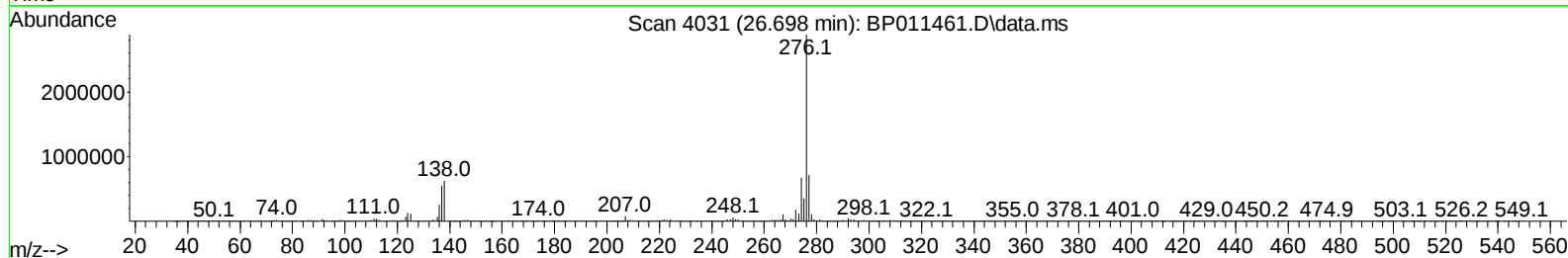
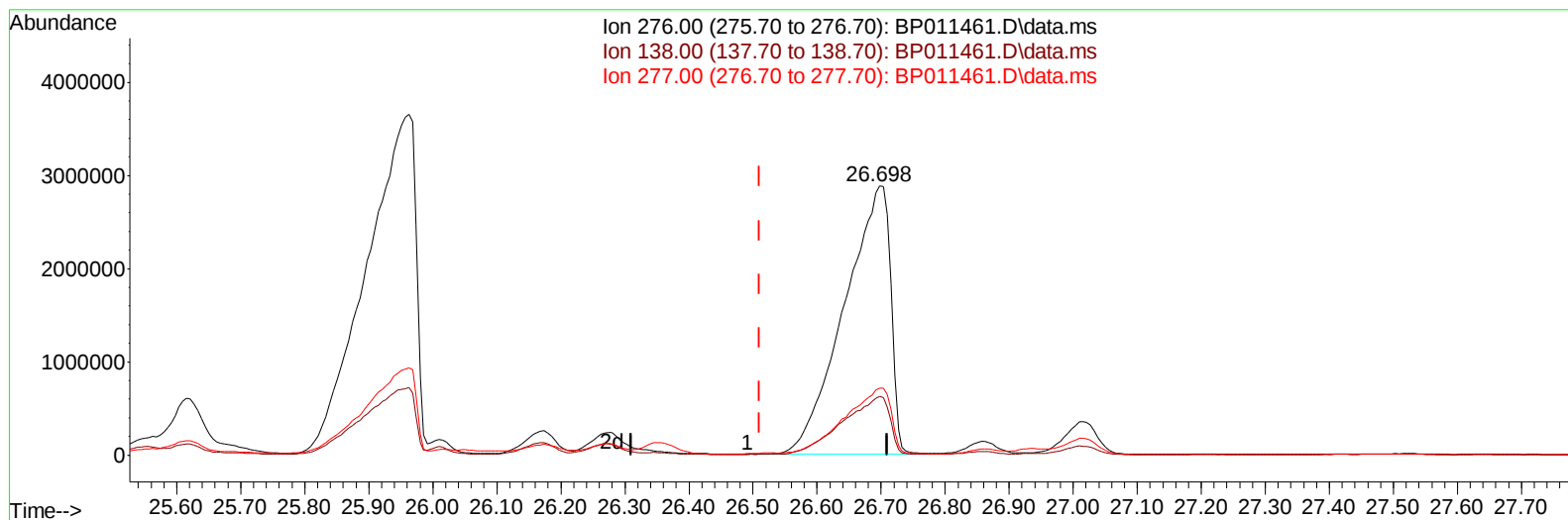
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011461.D  
 Acq On : 17 Aug 2022 14:13  
 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



TIC: BP011461.D\data.ms

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

26.698min (+ 0.188) 396.54 ng/u1 m

response 14389598

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.30  | 21.80  |
| 277.00 | 23.90  | 24.78  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
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 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|--------|----------|
| -----                         |        |      |           |         |        |          |
| Internal Standards            |        |      |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.557  | 152  | 116691    | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.345 | 136  | 514401    | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.234 | 164  | 305700    | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.016 | 188  | 577286    | 20.000  | ng/ul  | 0.01     |
| 79) Chrysene-d12              | 21.174 | 240  | 686780    | 20.000  | ng/ul  | 0.04     |
| 88) Perylene-d12              | 23.486 | 264  | 629783m   | 20.000  | ng/ul  | 0.06     |
| System Monitoring Compounds   |        |      |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.069  | 96   | 11907     | 3.166   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.481  | 84   | 80044     | 8.314   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.746  | 99   | 249497    | 23.267  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.904  | 67   | 150098    | 21.545  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.093  | 132  | 199168    | 25.253  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.281  | 113  | 204724    | 23.852  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.722  | 128  | 95398     | 25.760  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.440  | 143  | 97305     | 25.817  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.975  | 165  | 178565    | 25.667  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.498 | 131  | 257131m   | 22.203  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.657 | 166  | 553316    | 25.591  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 13.922 | 160  | 648369    | 26.981  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.469 | 143  | 66504     | 15.964  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.239 | 176  | 479947    | 26.385  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.398 | 200  | 19779     | 6.341   | ng/ul  | 0.03     |
| 73) Anthracene-d10            | 17.122 | 188  | 757286    | 29.619  | ng/ul  | 0.02     |
| 81) Pyrene-d10                | 19.386 | 212  | 840138    | 24.178  | ng/ul  | 0.02     |
| 92) Benzo(a)pyrene-d12        | 23.351 | 264  | 851829m   | 27.806  | ng/ul  | 0.07     |
| Target Compounds              |        |      |           |         |        |          |
|                               |        |      |           |         | Qvalue |          |
| 8) Phenol                     | 6.775  | 94   | 36911m    | 3.350   | ng/ul  |          |
| 13) 2-Methylphenol            | 8.016  | 108  | 18560     | 2.286   | ng/ul  | 98       |
| 18) 4-Methylphenol            | 8.346  | 108  | 48669     | 5.415   | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.546  | 107  | 24545m    | 2.404   | ng/ul  |          |
| 30) Naphthalene               | 10.404 | 128  | 6779500   | 249.608 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.028 | 142  | 1177931   | 66.660  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.245 | 142  | 873396    | 48.732  | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.057 | 154  | 512835    | 22.514  | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.957 | 152  | 3456233   | 121.064 | ng/ul  | 99       |
| 52) Acenaphthene              | 14.298 | 153  | 273020    | 14.278  | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.639 | 168  | 3172917   | 120.328 | ng/ul  | 99       |
| 61) Fluorene                  | 15.298 | 166  | 1784339   | 82.714  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.069 | 178  | 23364531m | 747.747 | ng/ul  |          |
| 74) Anthracene                | 17.157 | 178  | 6023035   | 191.063 | ng/ul  | 99       |
| 77) Carbazole                 | 17.427 | 167  | 2149708   | 72.500  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.063 | 202  | 30369559m | 710.706 | ng/ul  |          |
| 82) Pyrene                    | 19.421 | 202  | 28314189m | 630.613 | ng/ul  |          |
| 85) Benzo(a)anthracene        | 21.145 | 228  | 22807818m | 545.090 | ng/ul  |          |
| 87) Chrysene                  | 21.204 | 228  | 18746186m | 456.078 | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 22.804 | 252  | 37470099m | 956.474 | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 22.857 | 252  | 9724112m  | 260.109 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.427 | 252  | 22311347m | 583.348 | ng/ul  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 25.962 | 276  | 19628217m | 460.104 | ng/ul  |          |

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 Operator : CG/JU  
 Sample : N4173-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7Q8

## Manual IntegrationsAPPROVED

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 Supervised By :Sohil Jodhani 08/18/2022

Quant Time: Aug 17 23:27:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | Q   | Ion | Response  | Conc    | Units | Dev(Min) |
|----------------------------|--------|-----|-----|-----------|---------|-------|----------|
| 95) Dibenzo(a,h)anthracene | 25.939 | 278 |     | 4846922m  | 131.950 | ng/ul |          |
| 96) Benzo(g,h,i)perylene   | 26.698 | 276 |     | 14389598m | 396.537 | ng/ul |          |

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

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