

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP013125\  
 Data File : BP023846.D  
 Acq On : 01 Feb 2025 05:38  
 Operator : RC/JU  
 Sample : Q1224-10  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A6308

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025  
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 03 08:10:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 31 11:40:55 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 516030   | 20.000 | ng/u1  | 0.02     |
| 20) Naphthalene-d8            | 10.557 | 136  | 2172735  | 20.000 | ng/u1  | 0.01     |
| 38) Acenaphthene-d10          | 14.398 | 164  | 1334345  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 2587339  | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.633 | 240  | 2556805  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 25.027 | 264  | 2918239  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.293  | 96   | 38330    | 3.086  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.717  | 84   | 104218   | 2.908  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.969  | 99   | 761387   | 16.673 | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 427785   | 17.697 | ng/u1  | 0.02     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 639974   | 17.846 | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.487  | 113  | 476164   | 12.764 | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.928  | 128  | 306112   | 17.610 | ng/u1  | 0.02     |
| 24) 2-Nitrophenol-d4          | 9.640  | 143  | 323513   | 17.248 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.187 | 165  | 578638   | 16.816 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.693 | 131  | 37092    | 0.721  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.804 | 166  | 1648758  | 16.566 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.087 | 160  | 1704733  | 15.186 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.622 | 143  | 236593   | 11.970 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.404 | 176  | 1197153  | 14.283 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.522 | 200  | 158896   | 9.955  | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.292 | 188  | 1694575  | 13.339 | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.663 | 212  | 1731052  | 12.636 | ng/u1  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.786 | 264  | 1256323  | 8.251  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.239 | 178  | 380020   | 2.601  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.316 | 202  | 1143165  | 7.244  | ng/u1  | 99       |
| 82) Pyrene                    | 19.692 | 202  | 821574   | 4.979  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.616 | 228  | 380535   | 2.263  | ng/u1  | 98       |
| 87) Chrysene                  | 21.686 | 228  | 597577   | 3.857  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.951 | 252  | 928878   | 5.246  | ng/u1# | 96       |
| 91) Benzo(k)fluoranthene      | 24.010 | 252  | 287268   | 1.618  | ng/u1# | 93       |
| 93) Benzo(a)pyrene            | 24.857 | 252  | 305709   | 1.849  | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.845 | 276  | 377250m  | 1.760  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

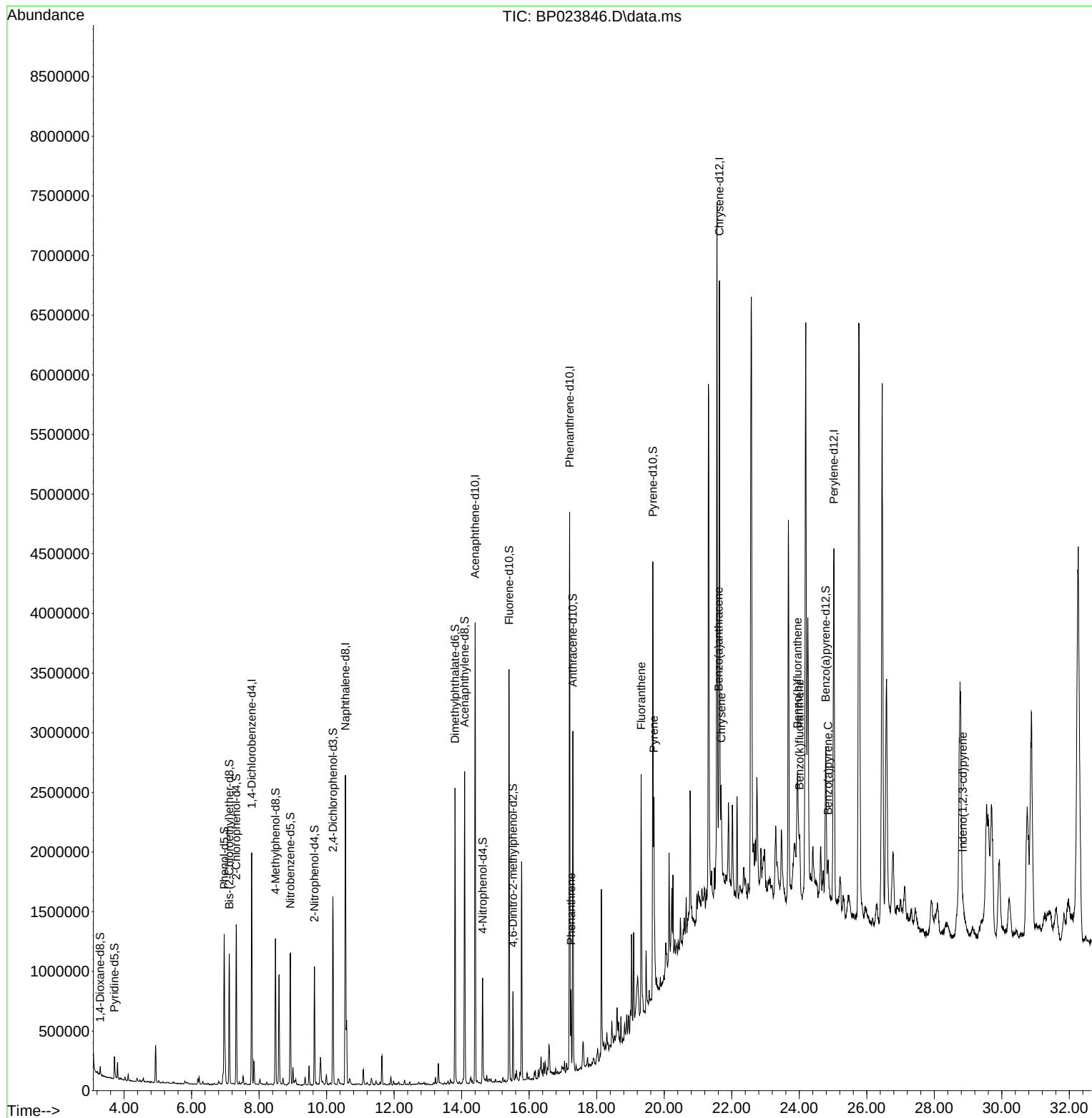
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP013125\  
Data File : BP023846.D  
Acq On : 01 Feb 2025 05:38  
Operator : RC/JU  
Sample : Q1224-10  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

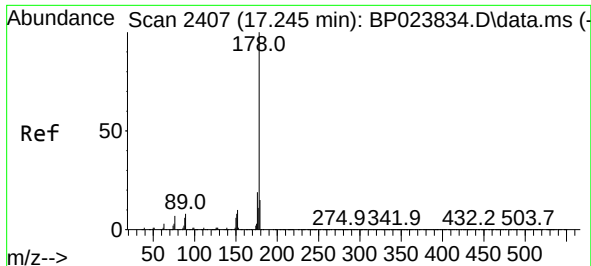
Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Time: Feb 03 08:10:13 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 31 11:40:55 2025  
Response via : Initial Calibration

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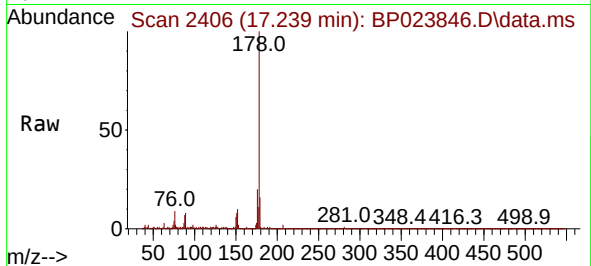
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025





#72  
Phenanthrene  
Concen: 2.601 ng/u1  
RT: 17.239 min Scan# 2406  
Delta R.T. -0.017 min  
Lab File: BP023846.D  
Acq: 01 Feb 2025 05:38

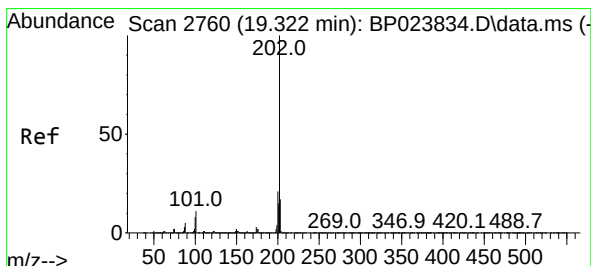
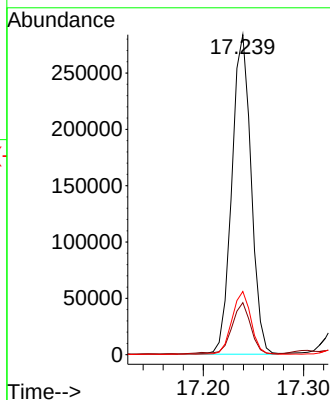
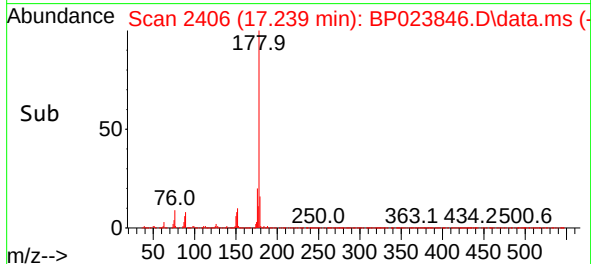
Instrument :  
BNA\_P  
ClientSampleId :  
A6308



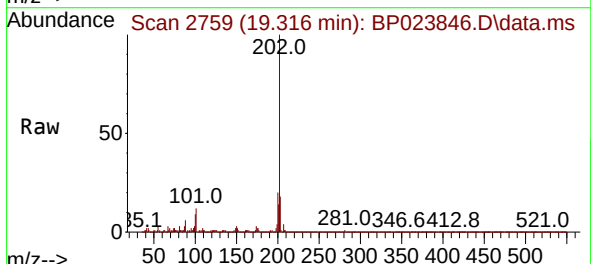
Tgt Ion:178 Resp: 380020  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.2 18.4  
176 19.8 15.6 23.4

Manual Integrations  
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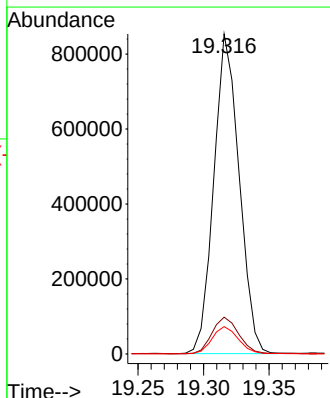
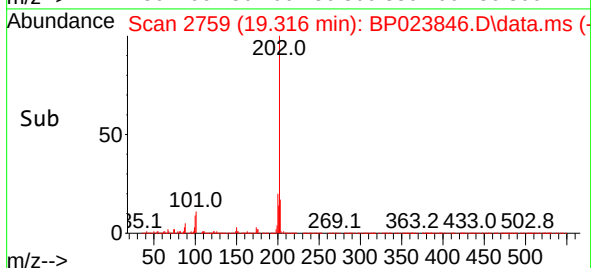
Reviewed By :Jagrut Upadhyay 02/03/2025  
Supervised By :mohammad ahmed 02/04/2025

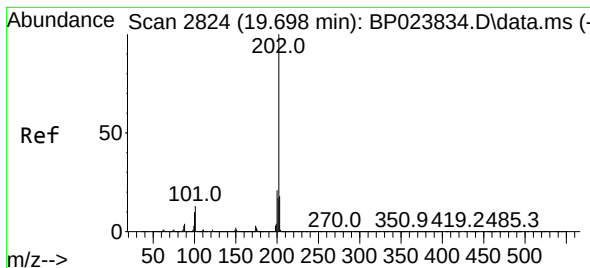


#80  
Fluoranthene  
Concen: 7.244 ng/u1  
RT: 19.316 min Scan# 2759  
Delta R.T. -0.011 min  
Lab File: BP023846.D  
Acq: 01 Feb 2025 05:38



Tgt Ion:202 Resp: 1143165  
Ion Ratio Lower Upper  
202 100  
101 11.5 9.4 14.2  
100 8.6 7.0 10.6





#82

Pyrene

Concen: 4.979 ng/ul

RT: 19.692 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

Instrument :

BNA\_P

ClientSampleId :

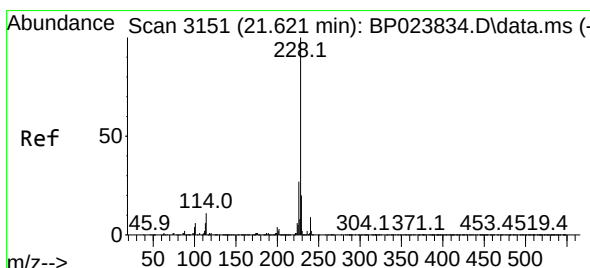
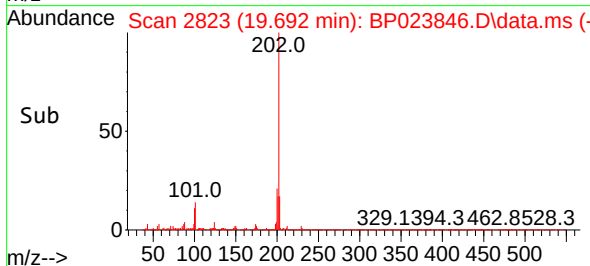
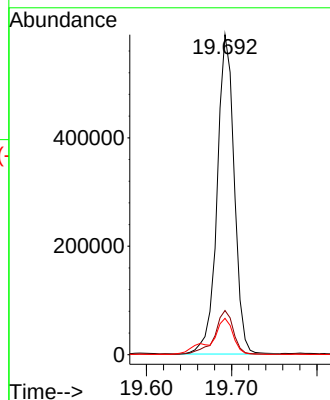
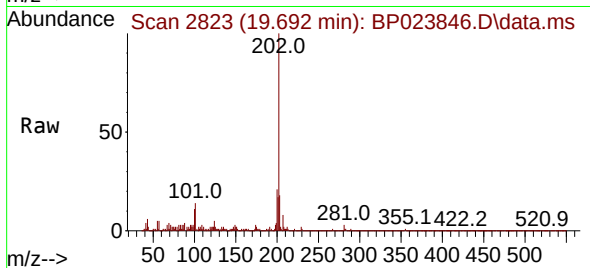
A6308

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 821574 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.8  | 10.4  | 15.6   |
| 100       | 11.4  | 8.6   | 12.8   |

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 2.263 ng/ul

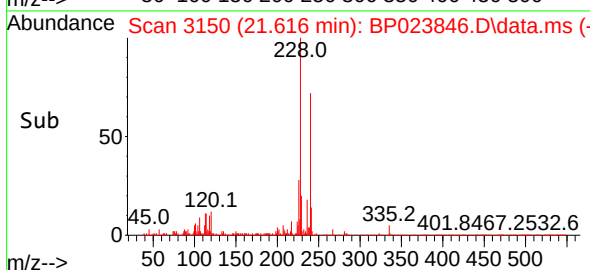
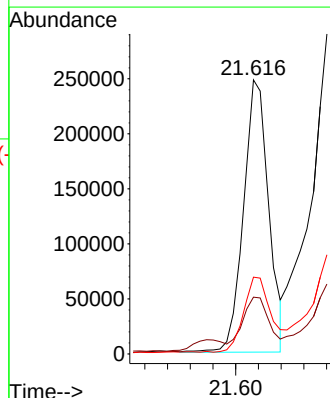
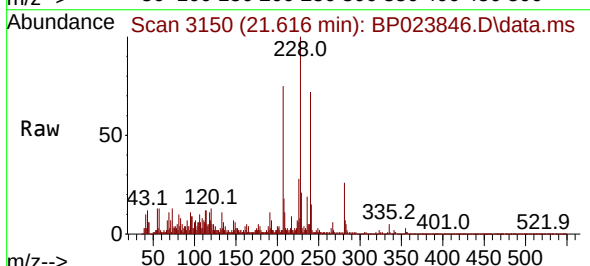
RT: 21.616 min Scan# 3150

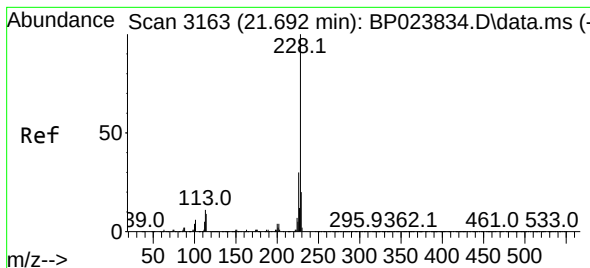
Delta R.T. -0.011 min

Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 380535 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.7  | 15.9  | 23.9   |
| 226       | 28.0  | 21.7  | 32.5   |





#87

Chrysene

Concen: 3.857 ng/ul

RT: 21.686 min Scan# 3163

Delta R.T. -0.006 min

Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

Instrument :

BNA\_P

ClientSampleId :

A6308

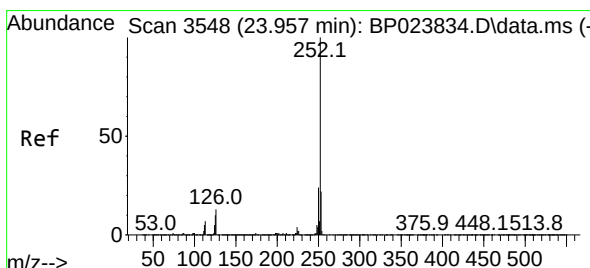
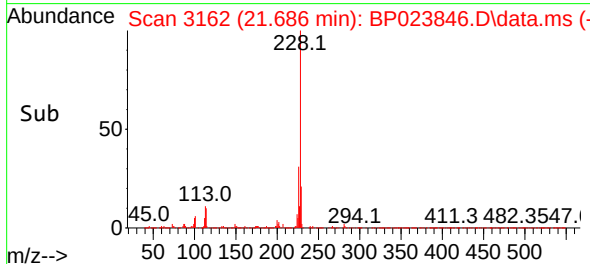
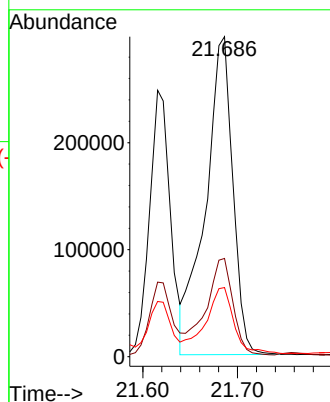
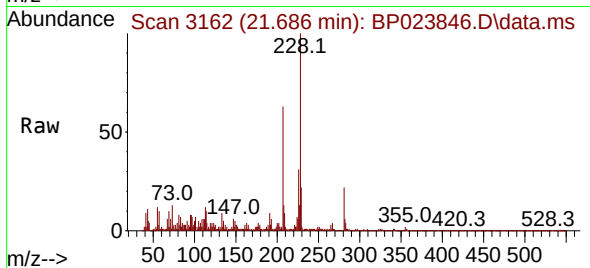
Tgt Ion:228 Resp: 59757

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 23.8  | 35.6  |
| 229 | 21.6  | 15.7  | 23.5  |

Manual Integrations

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Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(b)fluoranthene

Concen: 5.246 ng/ul

RT: 23.951 min Scan# 3547

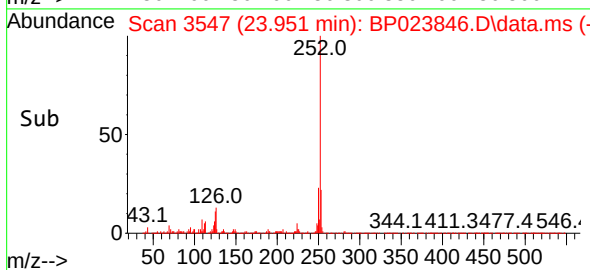
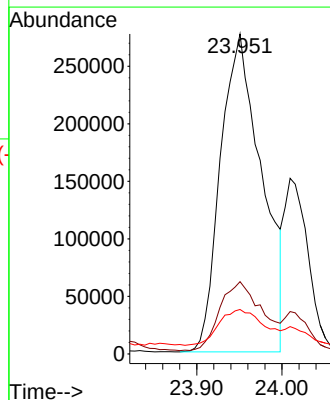
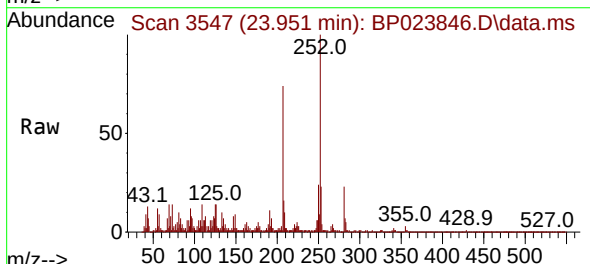
Delta R.T. -0.006 min

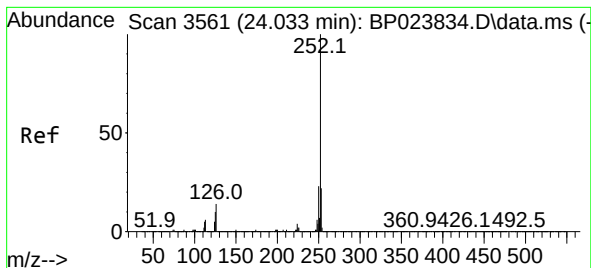
Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

Tgt Ion:252 Resp: 928878

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.6  | 17.5  | 26.3  |
| 125 | 13.9  | 8.2   | 12.2  |





#91

Benzo(k)fluoranthene

Concen: 1.618 ng/ul

RT: 24.010 min Scan# 3561

Delta R.T. -0.017 min

Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

Instrument :

BNA\_P

ClientSampleId :

A6308

Tgt Ion:252 Resp: 28726

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

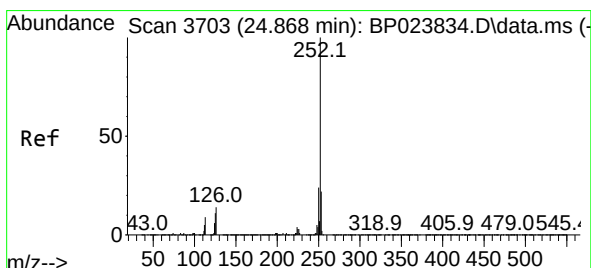
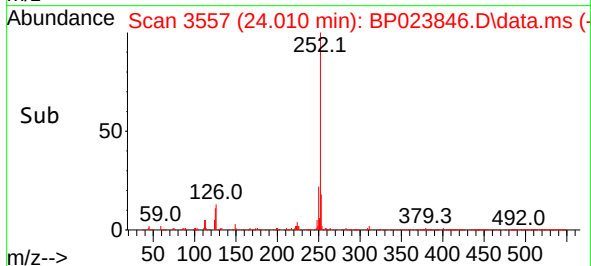
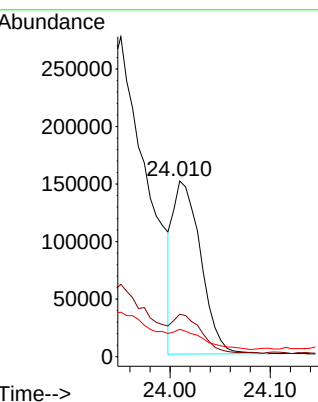
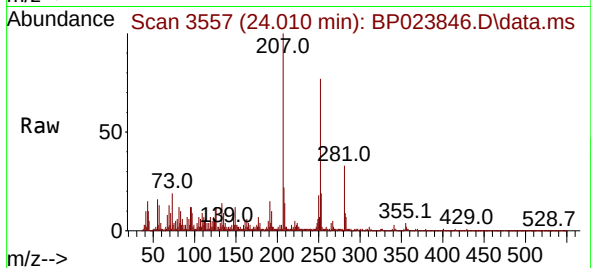
125 15.6 8.5 12.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#93

Benzo(a)pyrene

Concen: 1.849 ng/ul

RT: 24.857 min Scan# 3701

Delta R.T. -0.006 min

Lab File: BP023846.D

Acq: 01 Feb 2025 05:38

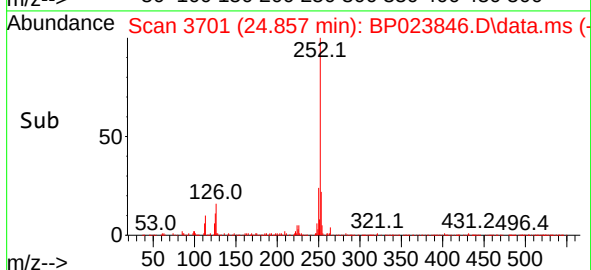
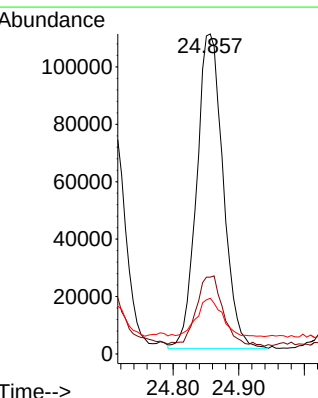
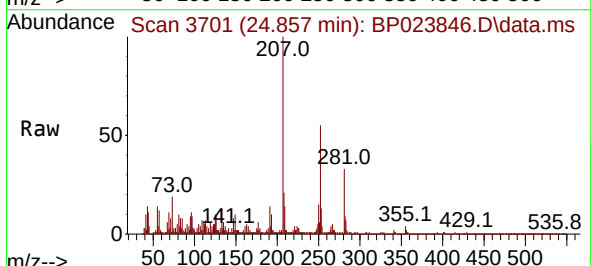
Tgt Ion:252 Resp: 305709

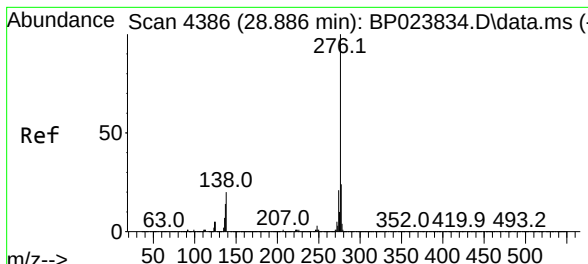
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

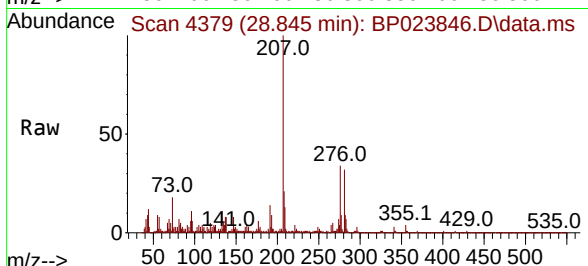
125 17.4 9.2 13.8





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.760 ng/ul m  
 RT: 28.845 min Scan# 4386  
 Delta R.T. -0.029 min  
 Lab File: BP023846.D  
 Acq: 01 Feb 2025 05:38

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A6308



Tgt Ion:276 Resp: 377250  
 Ion Ratio Lower Upper  
 276 100  
 138 24.4 15.9 23.9  
 277 25.2 19.0 28.4

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