

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
 Data File : BM048058.D  
 Acq On : 15 Oct 2024 11:22  
 Operator : RC/JU  
 Sample : P4238-17  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4F01

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024  
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 15 12:26:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 281336   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.575 | 136  | 1098675  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.422 | 164  | 645972   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.163 | 188  | 1291197  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.392 | 240  | 1259264  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.391 | 264  | 1494915  | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 15646    | 1.797  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.658  | 84   | 172660   | 6.774  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.963  | 99   | 268711   | 10.101 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.116  | 67   | 135721   | 7.190  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 221548   | 11.446 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.498  | 113  | 204166   | 10.322 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.940  | 128  | 94092    | 10.756 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.663  | 143  | 105362   | 12.569 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 207041   | 12.364 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.716 | 131  | 230575   | 8.906  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.827 | 166  | 649956   | 13.878 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.116 | 160  | 736277   | 13.259 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.639 | 143  | 78678    | 8.438  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.416 | 176  | 592116   | 14.596 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200  | 29971    | 3.967  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.262 | 188  | 980441   | 15.443 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.551 | 212  | 1217961  | 17.042 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.186 | 264  | 1306579  | 16.845 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.204 | 178  | 367686   | 4.856  | ng/u1  | 99       |
| 74) Anthracene                | 17.292 | 178  | 99445    | 1.288  | ng/u1  | 96       |
| 80) Fluoranthene              | 19.215 | 202  | 548351   | 6.515  | ng/u1  | 100      |
| 82) Pyrene                    | 19.580 | 202  | 487285   | 5.201  | ng/u1  | 96       |
| 85) Benzo(a)anthracene        | 21.368 | 228  | 263530   | 2.989  | ng/u1  | 98       |
| 87) Chrysene                  | 21.433 | 228  | 248804m  | 2.895  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.444 | 252  | 305634   | 3.278  | ng/u1# | 96       |
| 91) Benzo(k)fluoranthene      | 23.497 | 252  | 100029m  | 1.049  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.250 | 252  | 225620   | 2.548  | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.774 | 276  | 141181   | 1.244  | ng/u1  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.821 | 276  | 131765   | 1.482  | ng/u1  | 97       |
| -----                         |        |      |          |        |        |          |

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

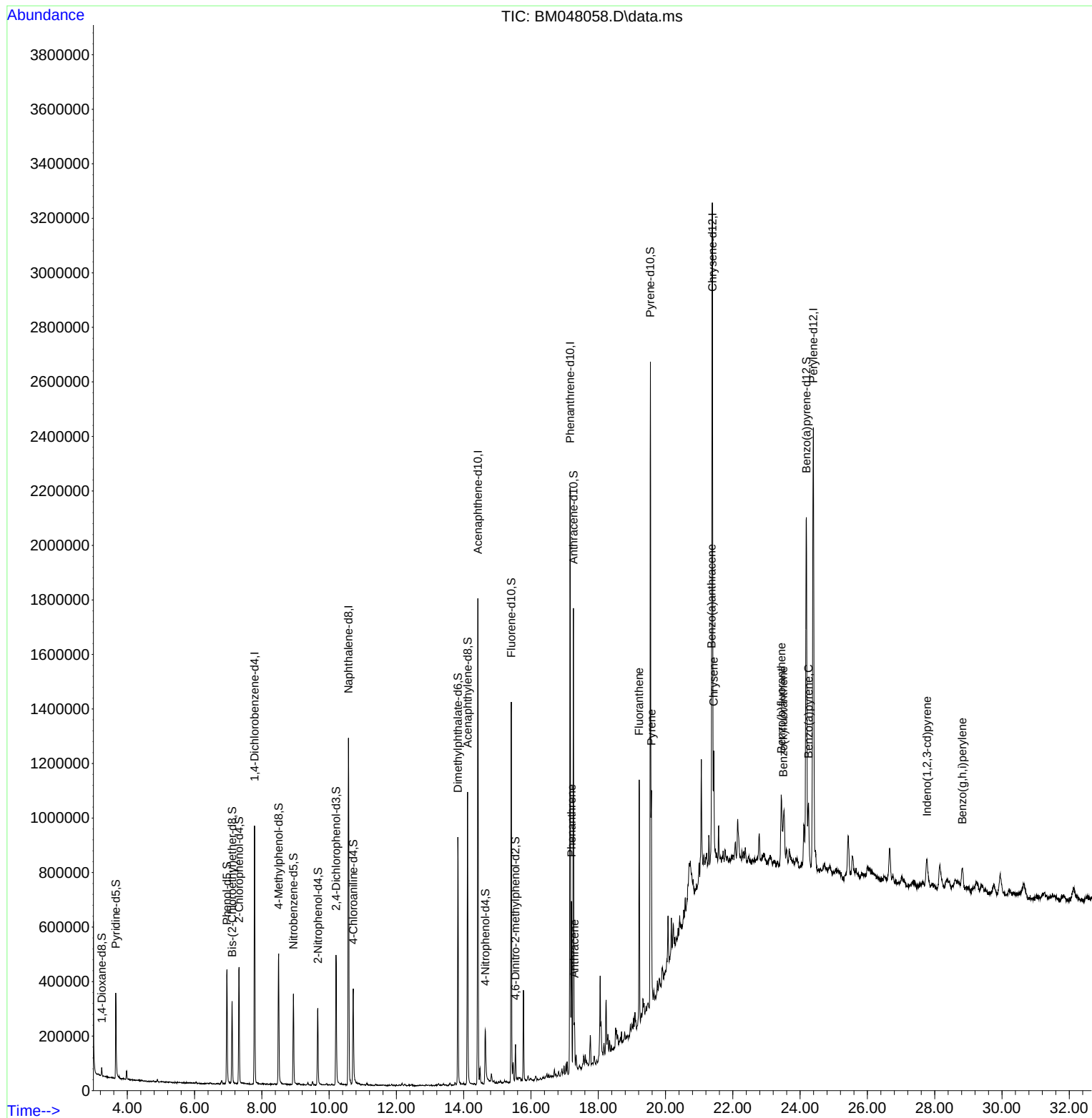
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048058.D  
Acq On : 15 Oct 2024 11:22  
Operator : RC/JU  
Sample : P4238-17  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

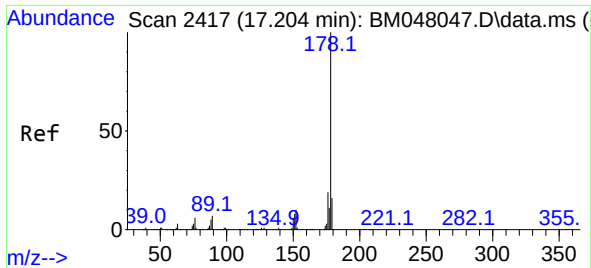
Instrument :  
BNA\_M  
ClientSampleId :  
A4F01

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/17/2024

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration





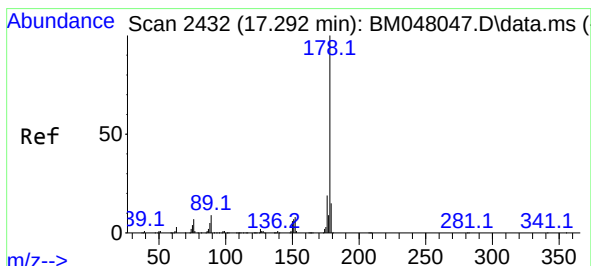
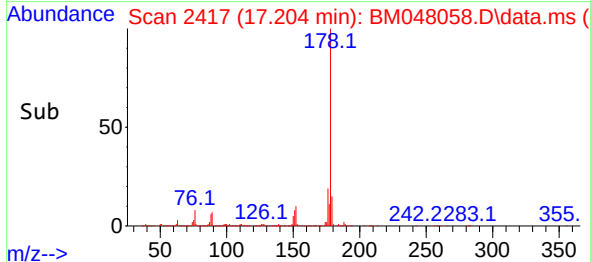
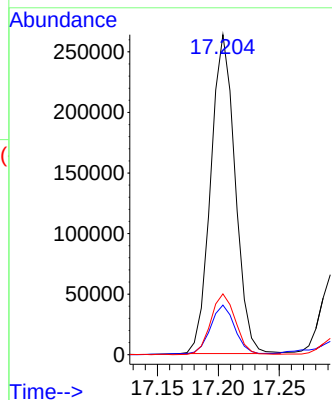
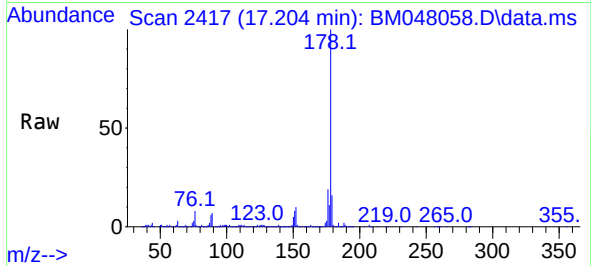
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Phenanthrene  
Concen: 4.856 ng/u1  
RT: 17.204 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

Instrument :  
BNA\_M  
ClientSampleId :  
A4F01

Tgt Ion:178 Resp: 367680  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.0 18.0  
176 19.0 15.4 23.0

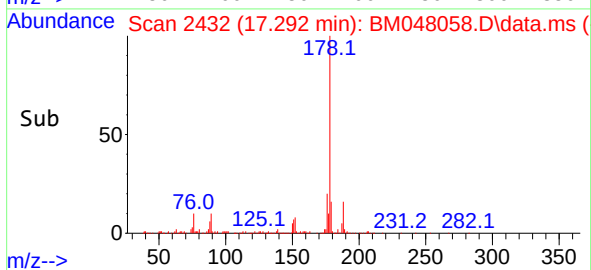
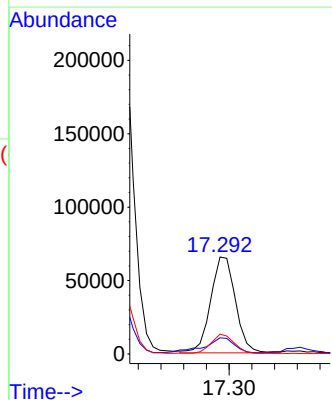
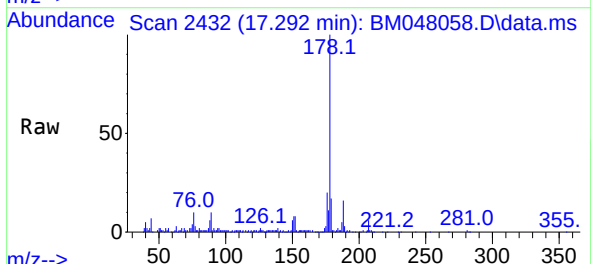
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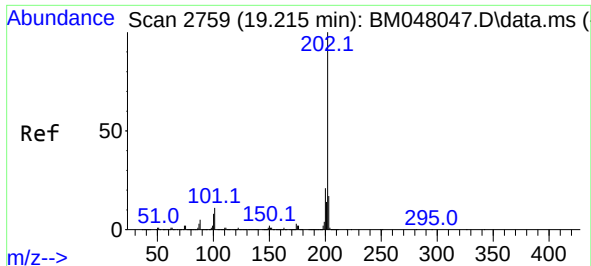
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



#74  
Anthracene  
Concen: 1.288 ng/u1  
RT: 17.292 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

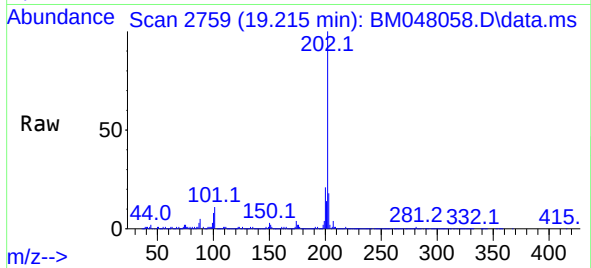
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Ion Ratio Lower Upper  
178 100  
179 16.7 12.4 18.6  
176 20.4 14.7 22.1





#80  
Fluoranthene  
Concen: 6.515 ng/u1  
RT: 19.215 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

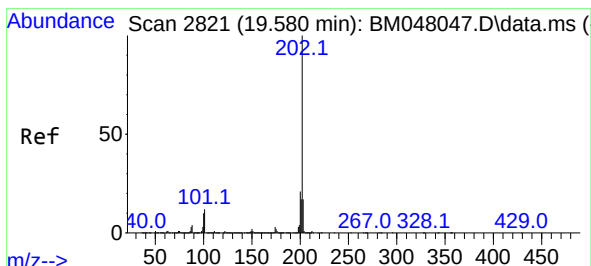
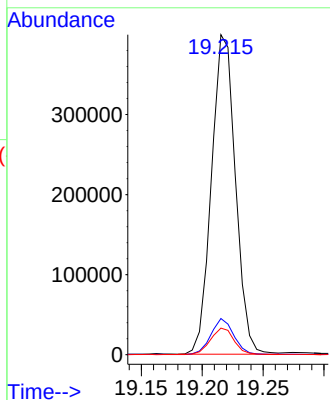
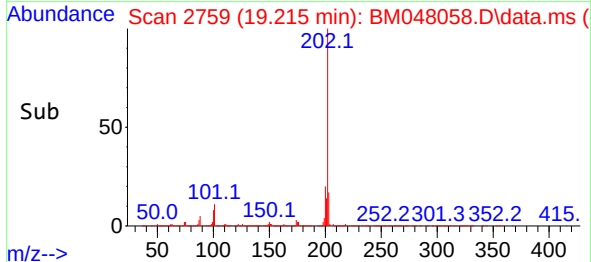
Instrument :  
BNA\_M  
ClientSampleId :  
A4F01



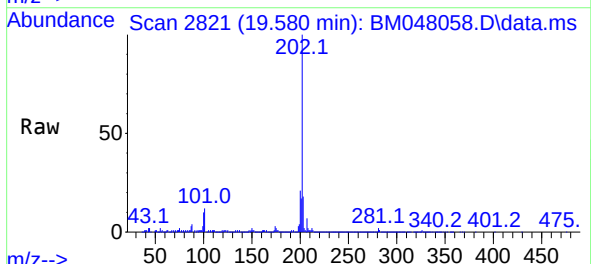
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100 8.3 6.8 10.2

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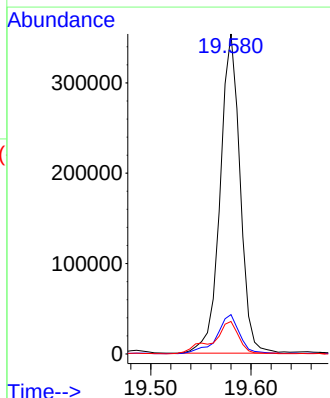
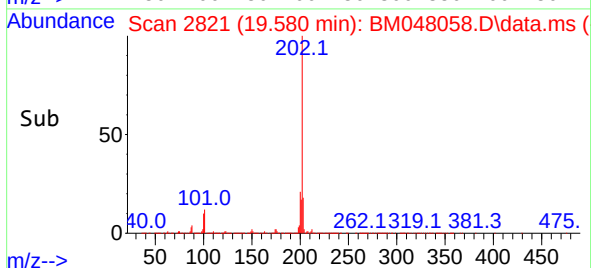
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024

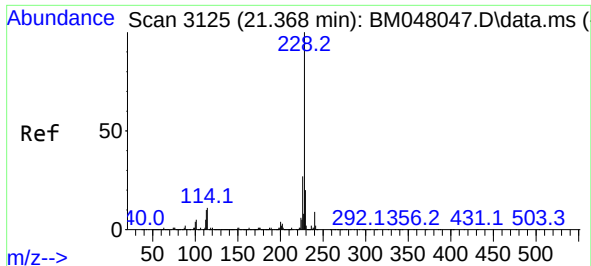


#82  
Pyrene  
Concen: 5.201 ng/u1  
RT: 19.580 min Scan# 2821  
Delta R.T. 0.006 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22



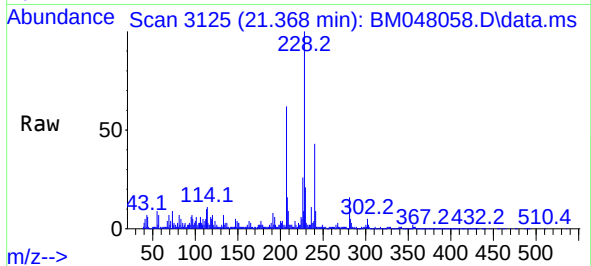
Tgt Ion:202 Resp: 487285  
Ion Ratio Lower Upper  
202 100  
101 12.3 10.9 16.3  
100 10.1 9.4 14.2





#85  
Benzo(a)anthracene  
Concen: 2.989 ng/ul  
RT: 21.368 min Scan# 3125  
Delta R.T. 0.000 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

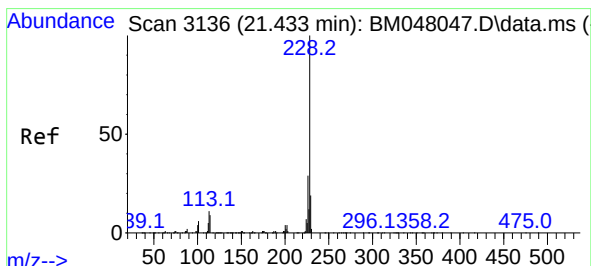
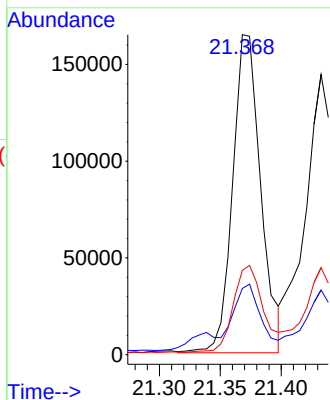
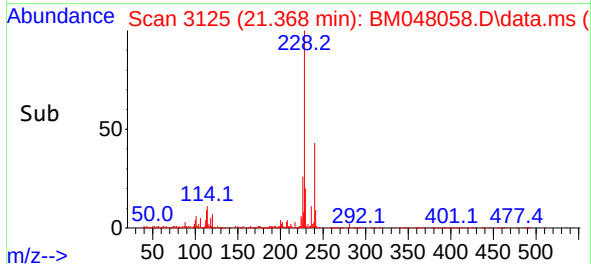
Instrument :  
BNA\_M  
ClientSampleId :  
A4F01



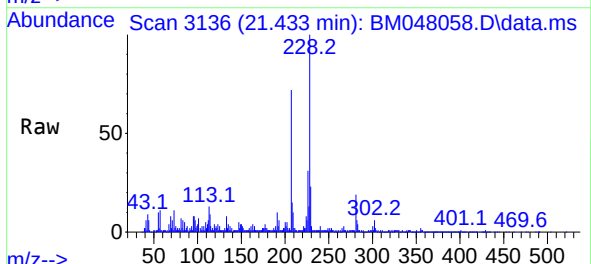
Tgt Ion:228 Resp: 263530  
Ion Ratio Lower Upper  
228 100  
229 20.7 15.6 23.4  
226 26.4 21.9 32.9

Manual Integrations  
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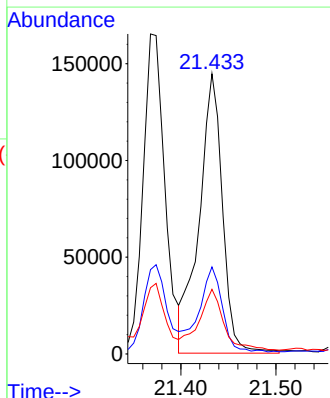
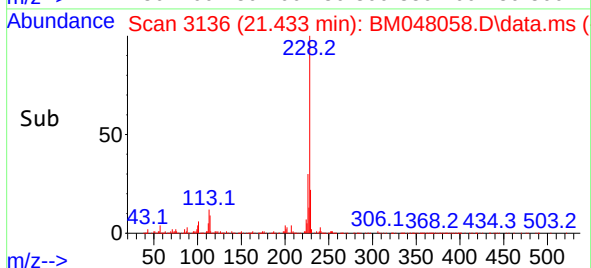
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024

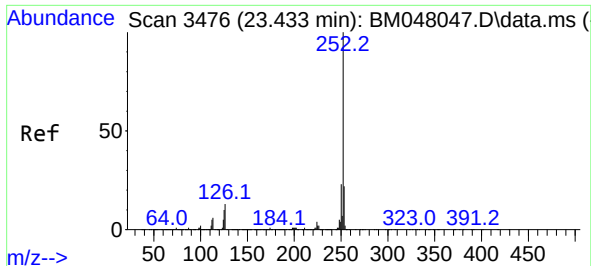


#87  
Chrysene  
Concen: 2.895 ng/ul m  
RT: 21.433 min Scan# 3136  
Delta R.T. 0.006 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22



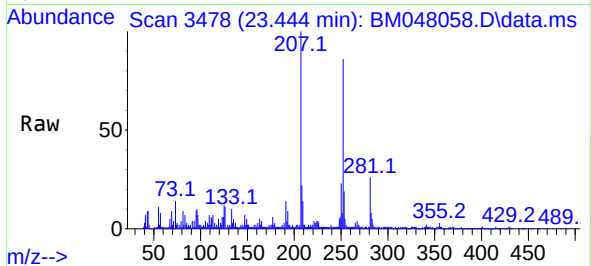
Tgt Ion:228 Resp: 248804  
Ion Ratio Lower Upper  
228 100  
226 31.1 23.6 35.4  
229 23.1 15.3 22.9#





#90  
Benzo(b)fluoranthene  
Concen: 3.278 ng/ul  
RT: 23.444 min Scan# 3476  
Delta R.T. 0.018 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

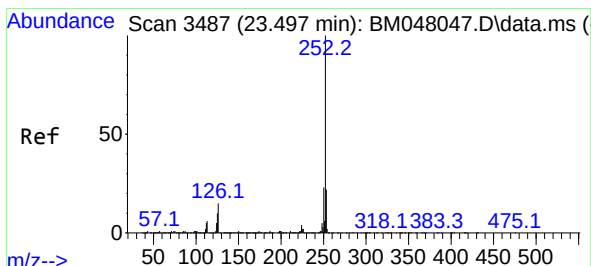
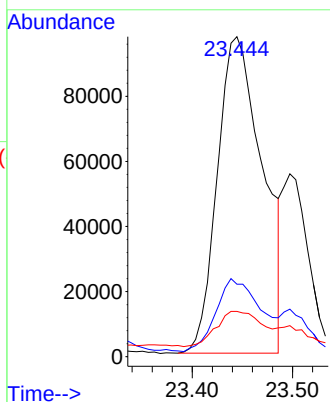
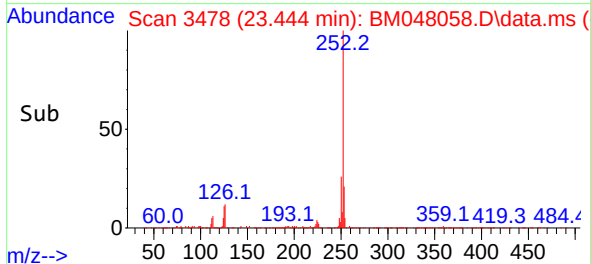
Instrument :  
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ClientSampleId :  
A4F01



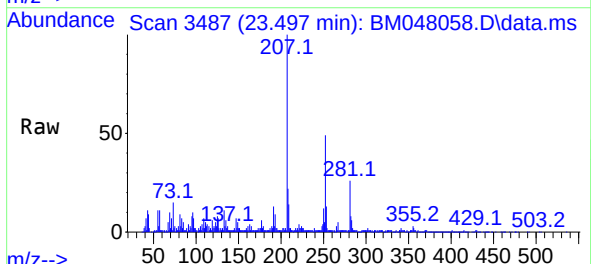
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Ion Ratio Lower Upper  
252 100  
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125 14.1 9.0 13.4

Manual Integrations  
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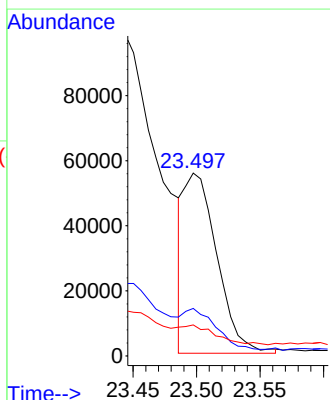
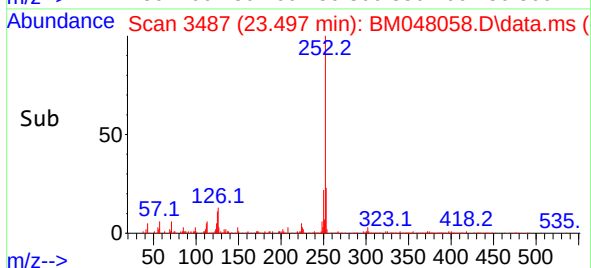
Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024

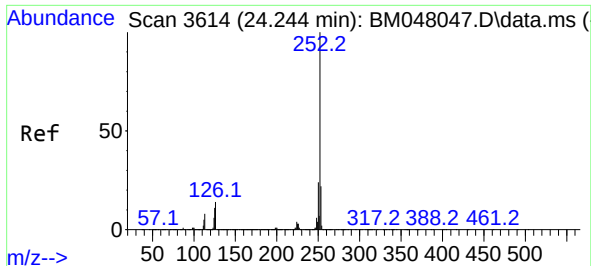


#91  
Benzo(k)fluoranthene  
Concen: 1.049 ng/ul m  
RT: 23.497 min Scan# 3487  
Delta R.T. 0.012 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22



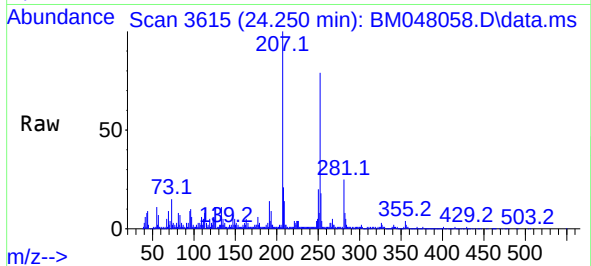
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Ion Ratio Lower Upper  
252 100  
253 26.0 17.5 26.3  
125 17.0 8.9 13.3





#93  
Benzo(a)pyrene  
Concen: 2.548 ng/ul  
RT: 24.250 min Scan# 30  
Delta R.T. 0.018 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

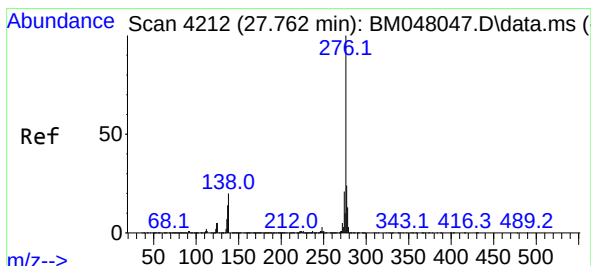
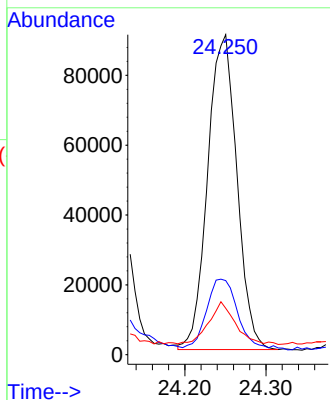
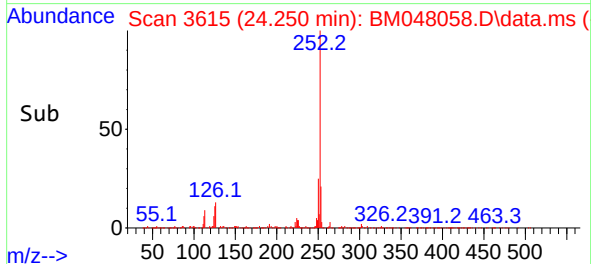
Instrument :  
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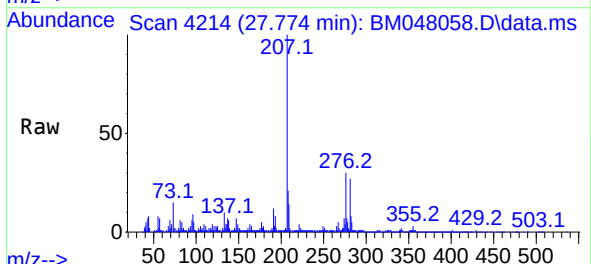
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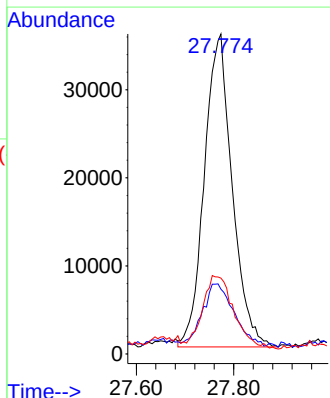
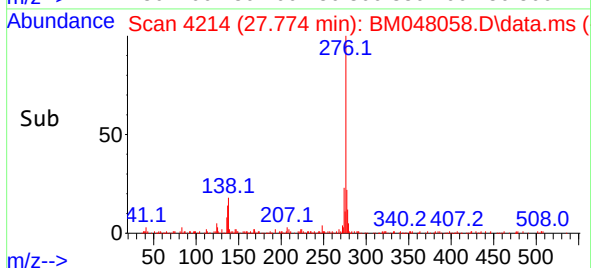
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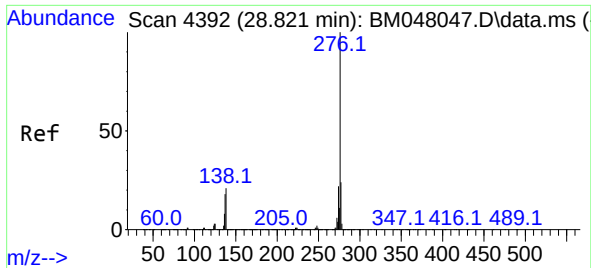


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.244 ng/ul  
RT: 27.774 min Scan# 4214  
Delta R.T. 0.030 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22



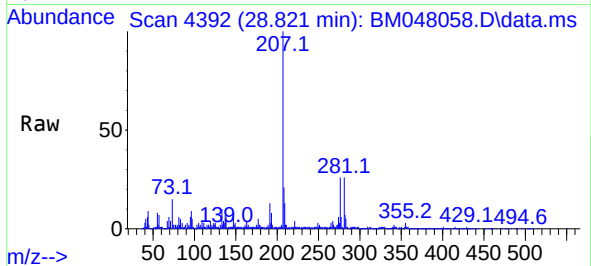
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Ion Ratio Lower Upper  
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138 20.3 16.9 25.3  
277 23.7 18.9 28.3





#96  
Benzo(g,h,i)perylene  
Concen: 1.482 ng/ul  
RT: 28.821 min Scan# 41  
Delta R.T. 0.030 min  
Lab File: BM048058.D  
Acq: 15 Oct 2024 11:22

Instrument :  
BNA\_M  
ClientSampleId :  
A4F01



Tgt Ion:276 Resp: 13176  
Ion Ratio Lower Upper  
276 100  
138 24.9 18.7 28.1  
277 24.5 18.3 27.5

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