

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051122\  
 Data File : BM034993.D  
 Acq On : 11 May 2022 19:56  
 Operator : CG/JU  
 Sample : N2603-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW493

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/12/2022  
 Supervised By :Yogesh Patel 05/17/2022

Quant Time: May 12 03:30:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM051022.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 10 16:40:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 254882   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.722 | 136  | 1063039  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.551 | 164  | 588207   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.292 | 188  | 997173   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.468 | 240  | 797123   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.856 | 264  | 880771   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.369  | 96   | 24516    | 4.024  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 108111   | 6.438  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.081  | 99   | 464317   | 21.058 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.251  | 67   | 319958   | 23.118 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.451  | 132  | 418119   | 24.131 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.628  | 113  | 295573   | 16.441 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.081  | 128  | 204213   | 25.064 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.804  | 143  | 225767   | 25.691 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.339 | 165  | 372741   | 22.664 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.857 | 131  | 279899   | 11.953 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.963 | 166  | 1131726  | 25.512 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.245 | 160  | 1366460  | 24.276 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 125734   | 16.588 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.545 | 176  | 927764   | 24.790 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200  | 103941   | 16.541 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.392 | 188  | 1190635  | 24.541 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.680 | 212  | 1247104  | 25.055 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.703 | 264  | 1237012  | 26.873 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.333 | 178  | 486460   | 8.673  | ng/u1  | 99       |
| 74) Anthracene                | 17.427 | 178  | 109298   | 1.927  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.345 | 202  | 808311   | 13.509 | ng/u1# | 95       |
| 82) Pyrene                    | 19.709 | 202  | 685415   | 11.217 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.456 | 228  | 320402   | 6.187  | ng/u1  | 97       |
| 87) Chrysene                  | 21.503 | 228  | 315861   | 6.263  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.133 | 252  | 442946   | 7.487  | ng/u1# | 95       |
| 91) Benzo(k)fluoranthene      | 23.174 | 252  | 146892m  | 2.607  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.750 | 252  | 313385   | 5.556  | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.315 | 276  | 227033   | 3.519  | ng/u1  | 96       |
| 96) Benzo(g,h,i)perylene      | 27.079 | 276  | 175827   | 3.281  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

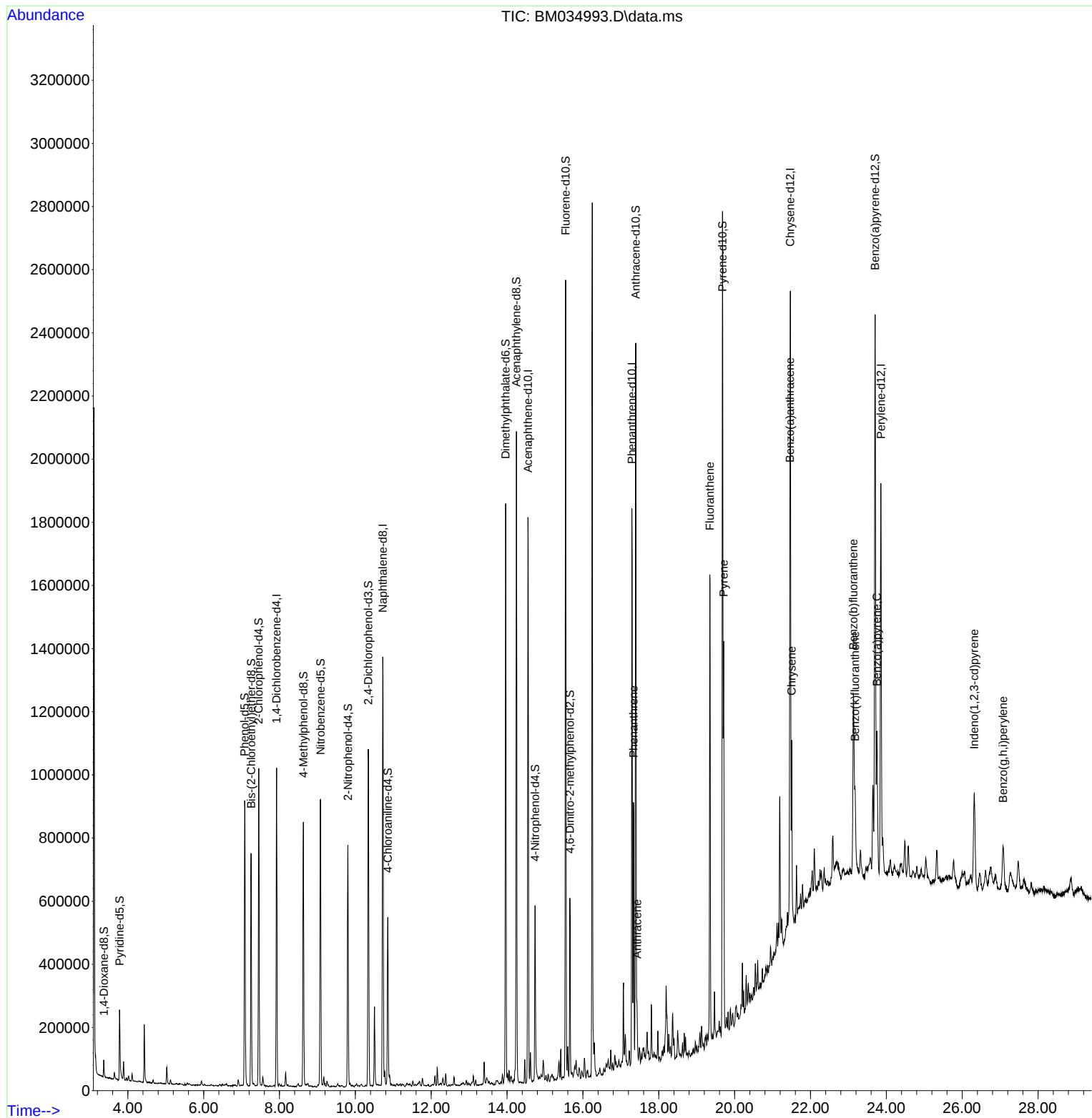
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051122\  
 Data File : BM034993.D  
 Acq On : 11 May 2022 19:56  
 Operator : CG/JU  
 Sample : N2603-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

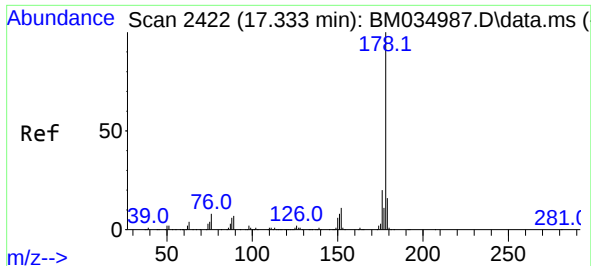
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW493

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/12/2022  
 Supervised By :Yogesh Patel 05/17/2022

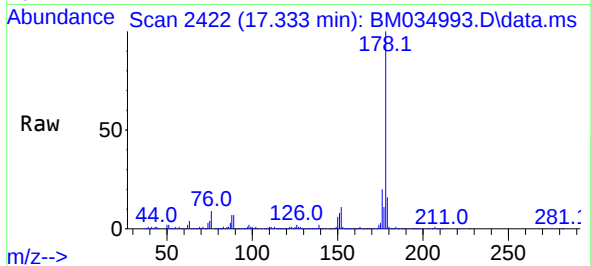
Quant Time: May 12 03:30:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM051022.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 10 16:40:09 2022  
 Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 8.673 ng/ul  
RT: 17.333 min Scan# 2422  
Delta R.T. -0.006 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

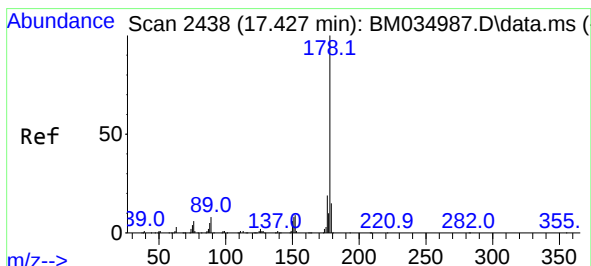
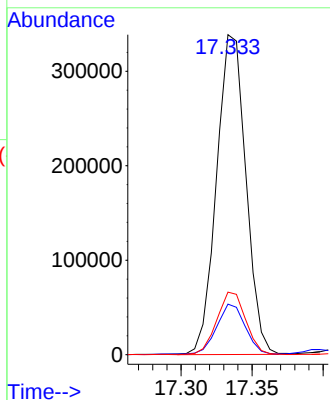
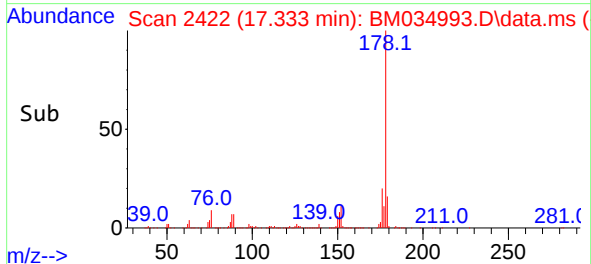
Instrument :  
BNA\_M  
ClientSampleId :  
EW493



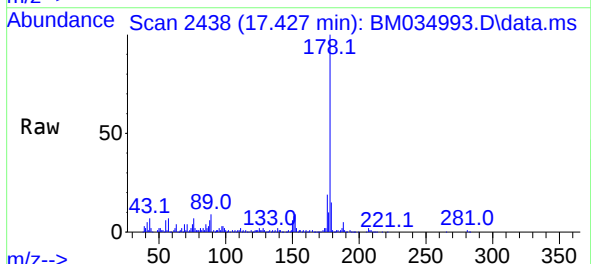
Tgt Ion:178 Resp: 486460  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.2 18.4  
176 19.5 15.0 22.6

Manual Integrations  
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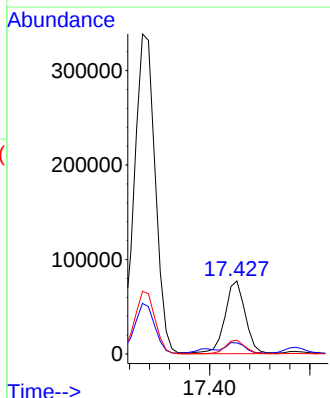
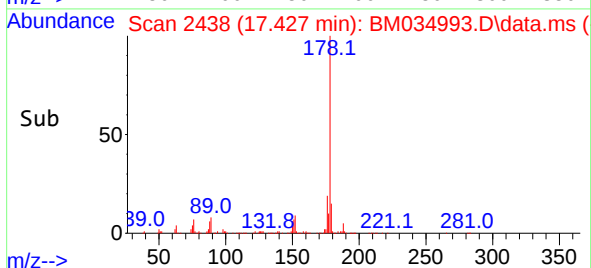
Reviewed By :Jagrut Upadhyay 05/12/2022  
Supervised By :Yogesh Patel 05/17/2022

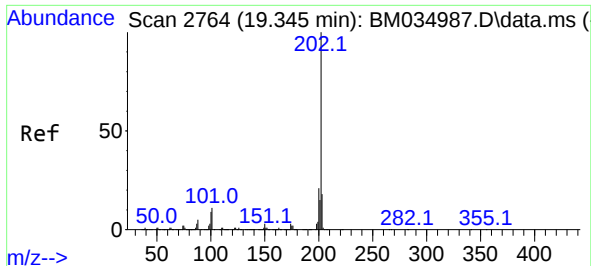


#74  
Anthracene  
Concen: 1.927 ng/ul  
RT: 17.427 min Scan# 2438  
Delta R.T. -0.000 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56



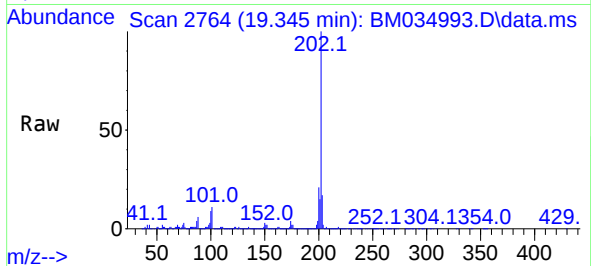
Tgt Ion:178 Resp: 109298  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.2 18.4  
176 19.0 14.6 22.0





#80  
Fluoranthene  
Concen: 13.509 ng/u1  
RT: 19.345 min Scan# 2764  
Delta R.T. -0.006 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

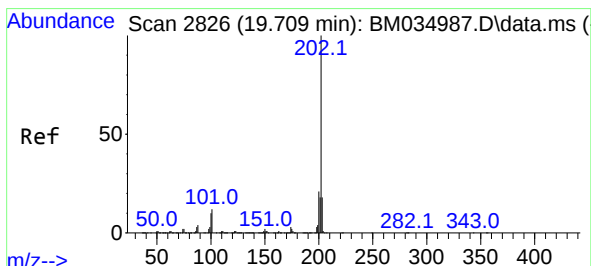
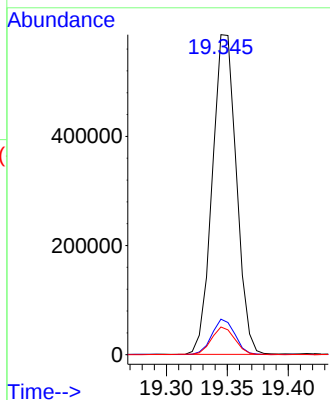
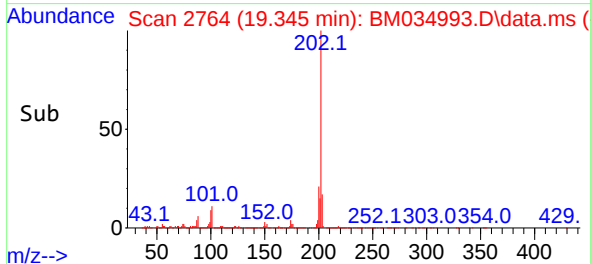
Instrument :  
BNA\_M  
ClientSampleId :  
EW493



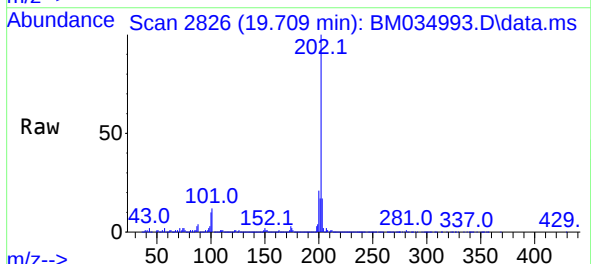
Tgt Ion:202 Resp: 80831  
Ion Ratio Lower Upper  
202 100  
101 11.1 7.4 11.2  
100 8.6 5.8 8.6

Manual Integrations  
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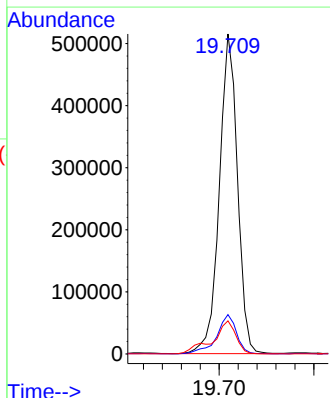
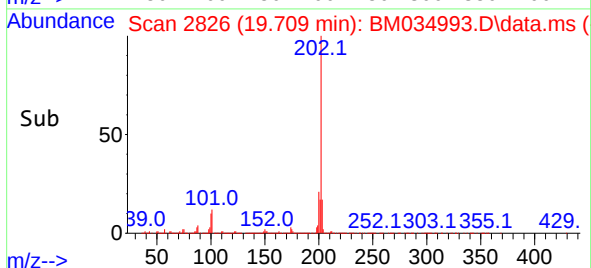
Reviewed By :Jagrut Upadhyay 05/12/2022  
Supervised By :Yogesh Patel 05/17/2022

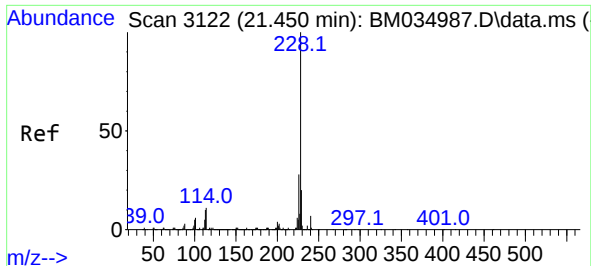


#82  
Pyrene  
Concen: 11.217 ng/u1  
RT: 19.709 min Scan# 2826  
Delta R.T. -0.000 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56



Tgt Ion:202 Resp: 685415  
Ion Ratio Lower Upper  
202 100  
101 12.3 9.4 14.0  
100 10.4 7.8 11.6





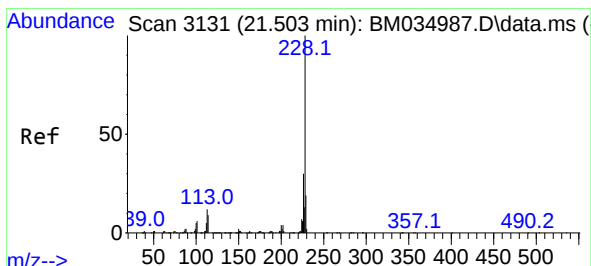
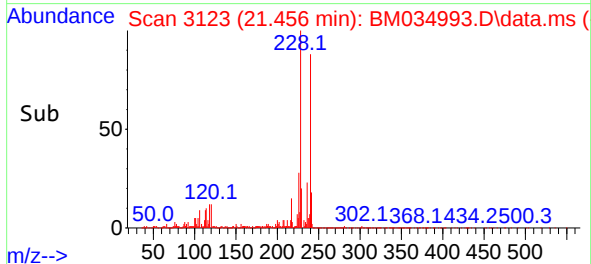
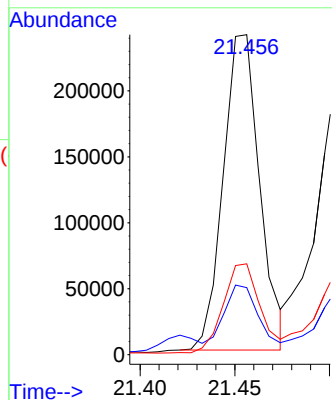
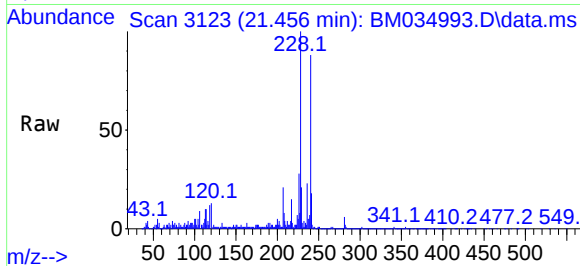
#85  
Benzo(a)anthracene  
Concen: 6.187 ng/u1  
RT: 21.456 min Scan# 3122  
Delta R.T. -0.000 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

Instrument :  
BNA\_M  
ClientSampleId :  
EW493

Tgt Ion:228 Resp: 320402  
Ion Ratio Lower Upper  
228 100  
229 21.0 15.4 23.0  
226 28.4 21.7 32.5

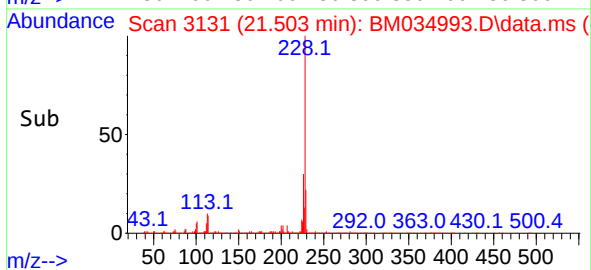
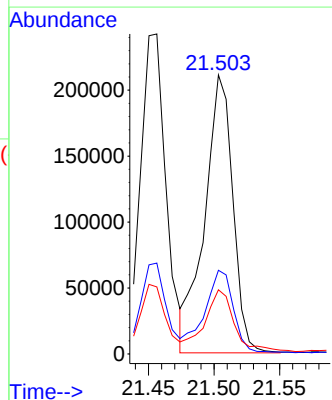
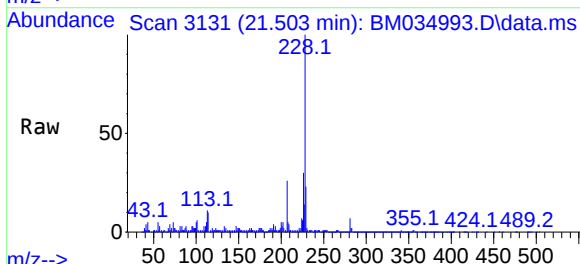
Manual Integrations  
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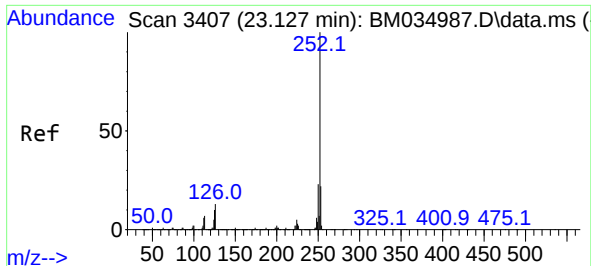
Reviewed By :Jagrut Upadhyay 05/12/2022  
Supervised By :Yogesh Patel 05/17/2022



#87  
Chrysene  
Concen: 6.263 ng/u1  
RT: 21.503 min Scan# 3131  
Delta R.T. -0.006 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

Tgt Ion:228 Resp: 315861  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.7 35.5  
229 23.0 15.7 23.5





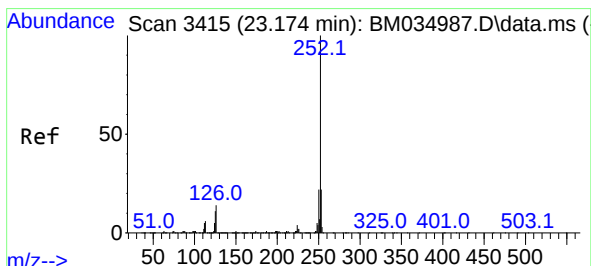
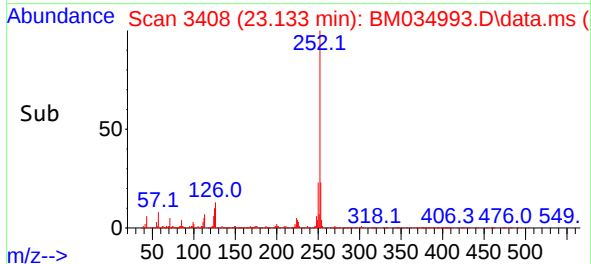
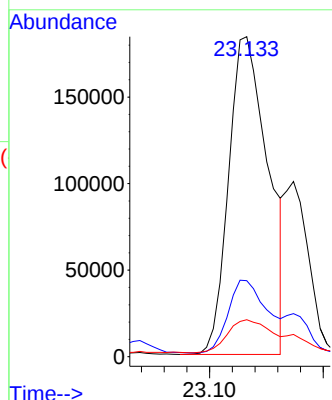
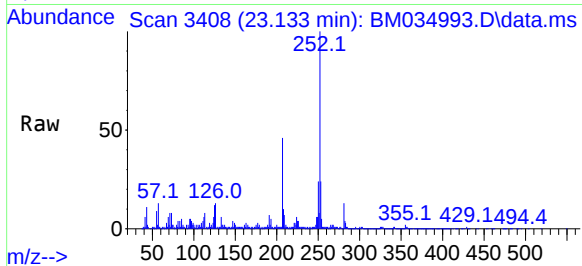
#90  
Benzo(b)fluoranthene  
Concen: 7.487 ng/ul  
RT: 23.133 min Scan# 3407  
Delta R.T. -0.000 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

Instrument :  
BNA\_M  
ClientSampleId :  
EW493

Tgt Ion:252 Resp: 442940  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.4 26.0  
125 11.5 7.6 11.4

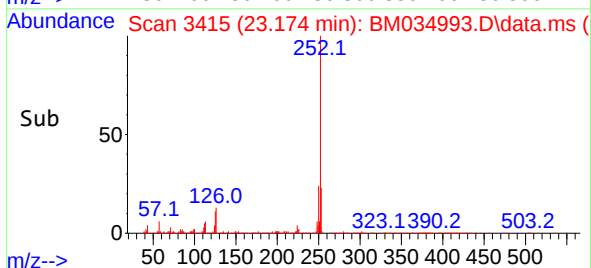
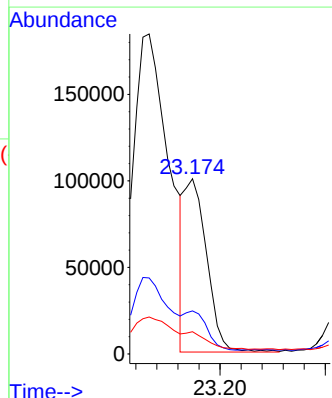
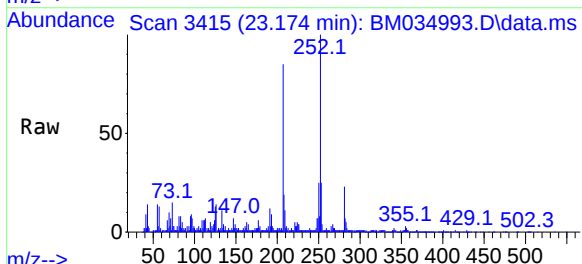
Manual Integrations  
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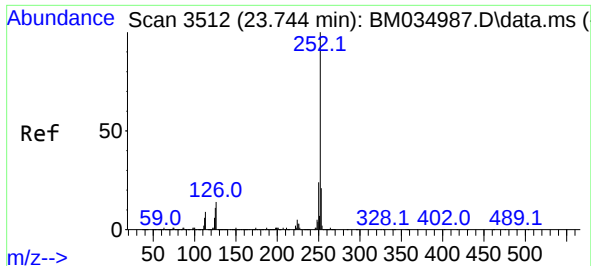
Reviewed By :Jagrut Upadhyay 05/12/2022  
Supervised By :Yogesh Patel 05/17/2022



#91  
Benzo(k)fluoranthene  
Concen: 2.607 ng/ul m  
RT: 23.174 min Scan# 3415  
Delta R.T. -0.006 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

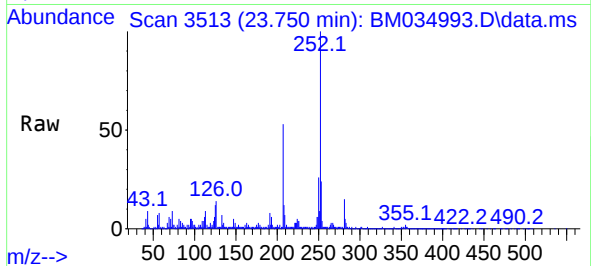
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Ion Ratio Lower Upper  
252 100  
253 24.5 17.4 26.2  
125 12.7 7.8 11.6





#93  
Benzo(a)pyrene  
Concen: 5.556 ng/u1  
RT: 23.750 min Scan# 31338  
Delta R.T. -0.000 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56

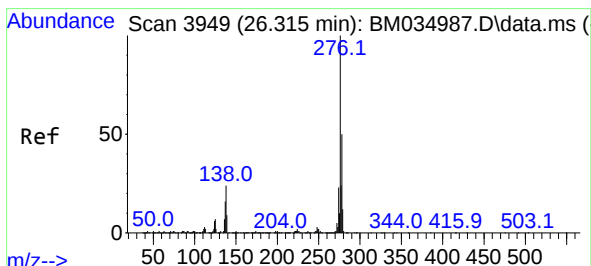
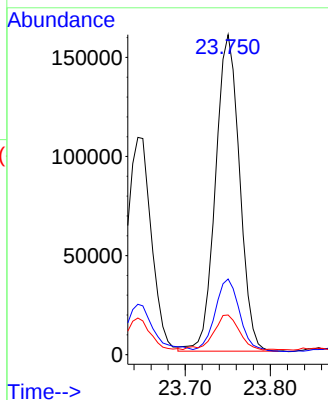
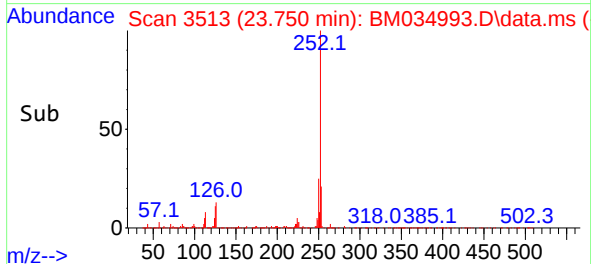
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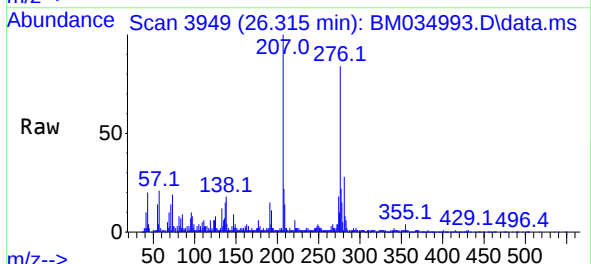
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Ion Ratio Lower Upper  
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253 23.7 16.6 25.0  
125 12.4 6.2 9.2

Manual Integrations  
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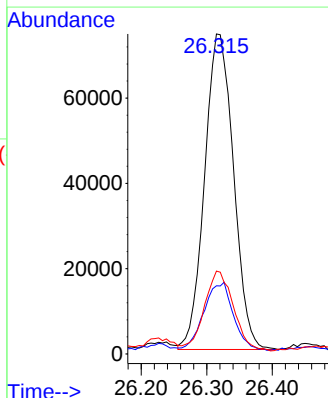
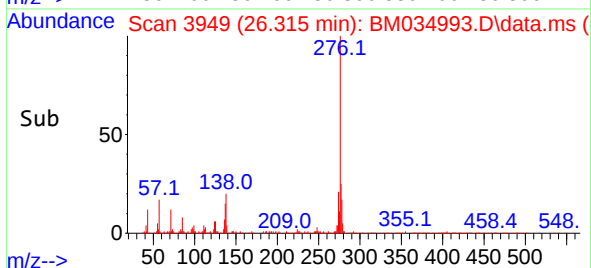
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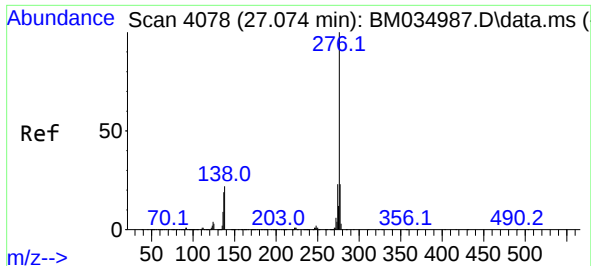


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.519 ng/u1  
RT: 26.315 min Scan# 3949  
Delta R.T. -0.012 min  
Lab File: BM034993.D  
Acq: 11 May 2022 19:56



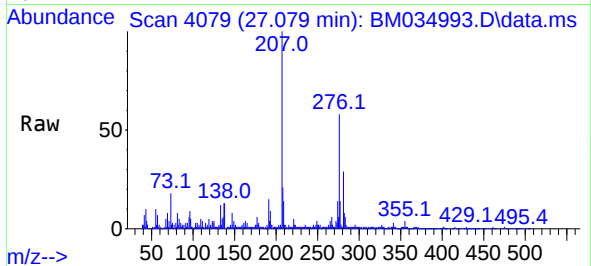
Tgt Ion:276 Resp: 227033  
Ion Ratio Lower Upper  
276 100  
138 21.3 15.3 22.9  
277 25.9 19.6 29.4





#96  
 Benzo(g,h,i)perylene  
 Concen: 3.281 ng/ul  
 RT: 27.079 min Scan# 4079  
 Delta R.T. -0.000 min  
 Lab File: BM034993.D  
 Acq: 11 May 2022 19:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW493



Tgt Ion:276 Resp: 17582  
 Ion Ratio Lower Upper  
 276 100  
 138 22.8 13.0 19.6  
 277 24.5 18.6 28.0

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