

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
 Data File : BN031658.D  
 Acq On : 24 May 2024 13:01  
 Operator : MA/JU  
 Sample : P2548-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5Y6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/25/2024  
 Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 24 23:09:55 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 453816   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1800887  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 904617   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188  | 1518160  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1347347  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1671376  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 45786    | 3.999  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 560544   | 17.544 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99   | 852023   | 22.807 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 503711   | 22.481 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 671514   | 23.328 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 633965   | 21.921 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 324497   | 23.808 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 314194   | 24.141 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 567540   | 22.302 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 807872   | 22.023 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 1484818  | 26.045 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 1821329  | 25.490 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.528 | 143  | 197982   | 18.354 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1232143  | 24.940 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 99965    | 15.230 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 1623018  | 25.254 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 1842990  | 21.807 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 2047073  | 26.020 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.116 | 178  | 300640   | 3.902  | ng/u1  | 100      |
| 80) Fluoranthene              | 19.127 | 202  | 575291   | 5.507  | ng/u1  | 99       |
| 82) Pyrene                    | 19.492 | 202  | 539081   | 5.032  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.280 | 228  | 312673   | 3.451  | ng/u1  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 311681   | 3.724  | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 441796   | 4.530  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.368 | 252  | 155975m  | 1.569  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 321321   | 3.430  | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 228452   | 2.032  | ng/u1  | 96       |
| 96) Benzo(g,h,i)perylene      | 28.550 | 276  | 226250   | 2.435  | ng/u1  | 97       |
| -----                         |        |      |          |        |        |          |

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

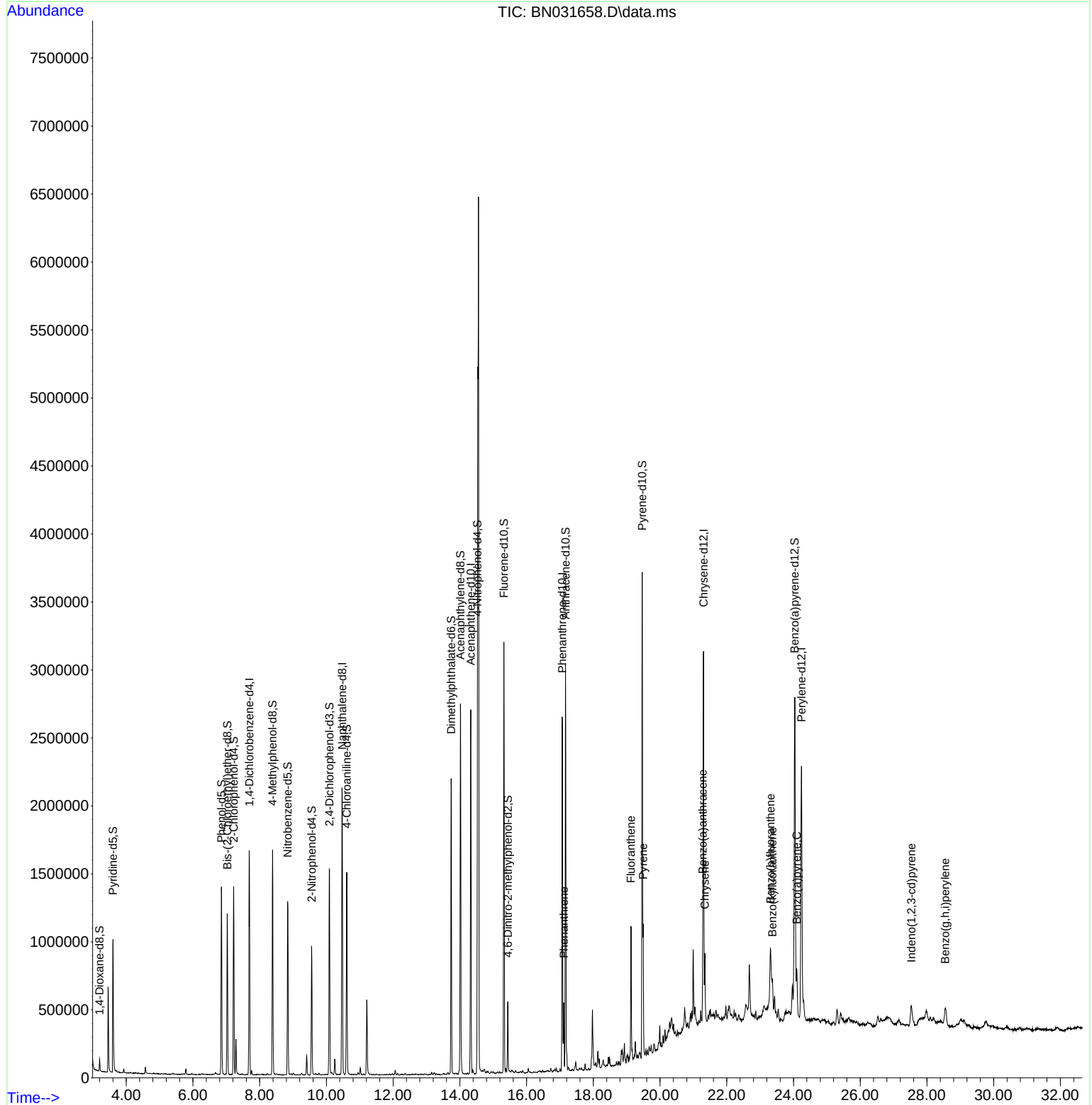
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
Data File : BN031658.D  
Acq On : 24 May 2024 13:01  
Operator : MA/JU  
Sample : P2548-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

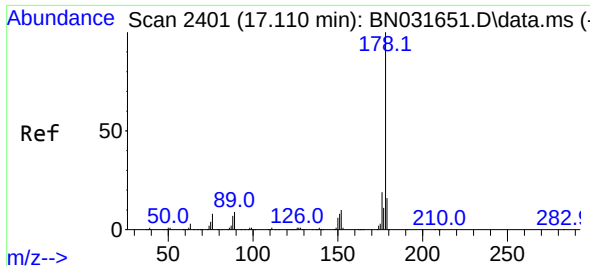
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 24 23:09:55 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 23:42:49 2024  
Response via : Initial Calibration





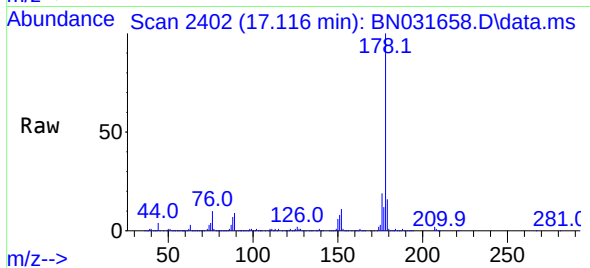
#72  
Phenanthrene  
Concen: 3.902 ng/u1  
RT: 17.116 min Scan# 2402  
Delta R.T. 0.000 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

Instrument :

BNA\_N

ClientSampleId :

BH5Y6

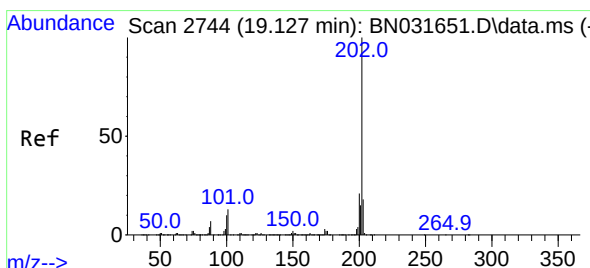
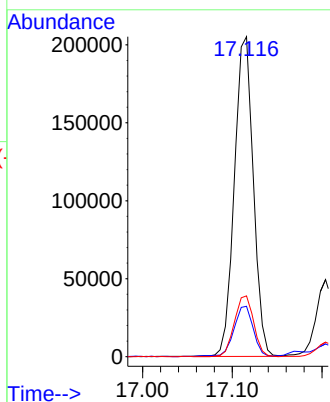
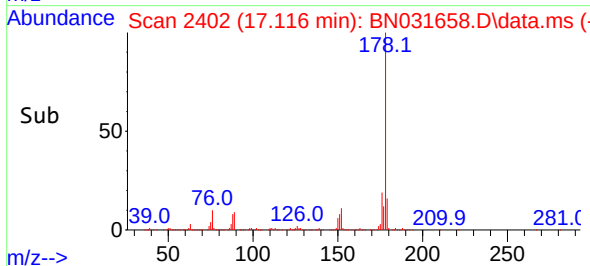


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Ion Ratio Lower Upper  
178 100  
179 15.7 12.6 18.8  
176 19.0 15.2 22.8

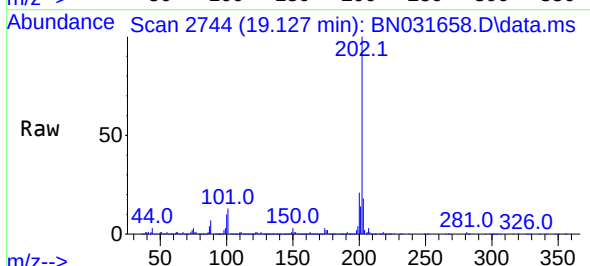
Manual Integrations

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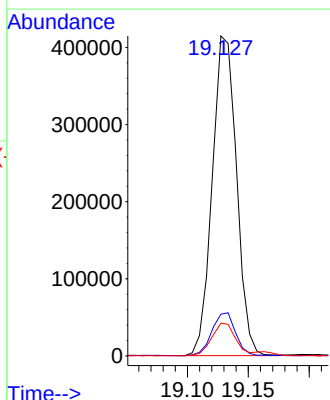
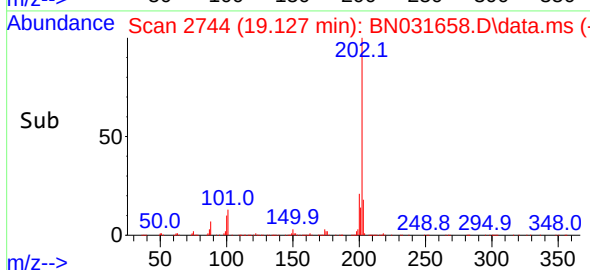
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

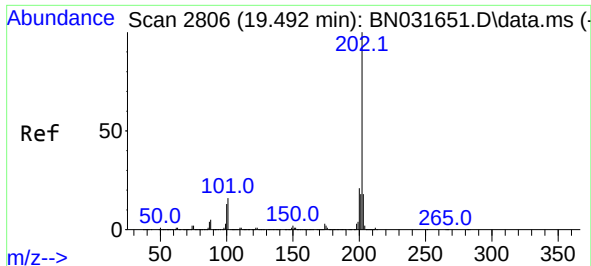


#80  
Fluoranthene  
Concen: 5.507 ng/u1  
RT: 19.127 min Scan# 2744  
Delta R.T. -0.006 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01



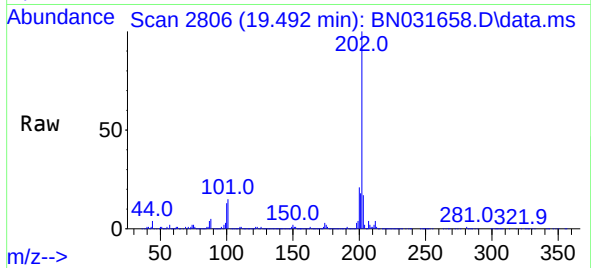
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Ion Ratio Lower Upper  
202 100  
101 13.0 10.1 15.1  
100 10.3 8.0 12.0





#82  
Pyrene  
Concen: 5.032 ng/ul  
RT: 19.492 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

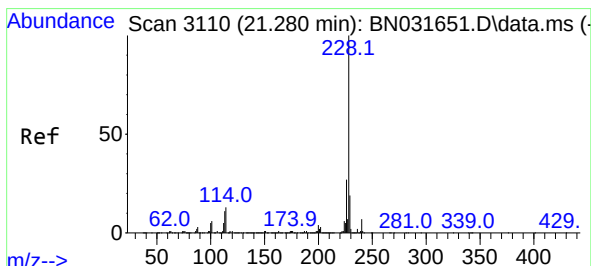
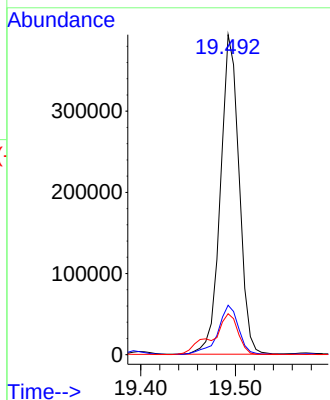
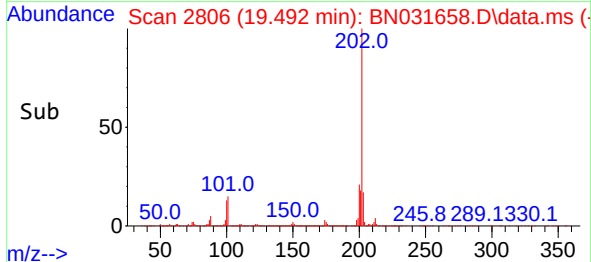
Instrument : BNA\_N  
ClientSampleId : BH5Y6



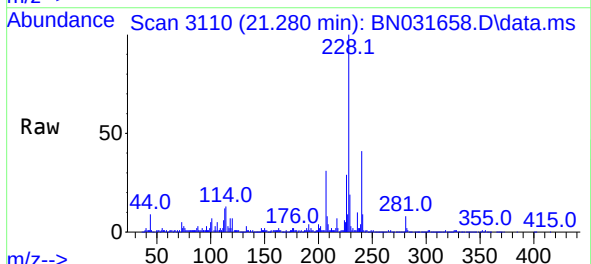
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Ion Ratio Lower Upper  
202 100  
101 15.5 11.4 17.2  
100 12.8 9.3 13.9

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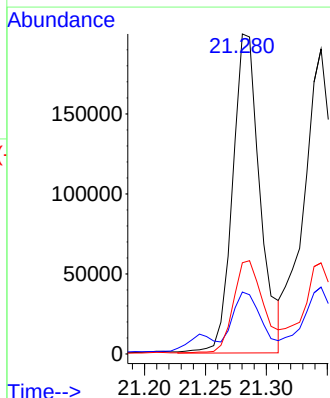
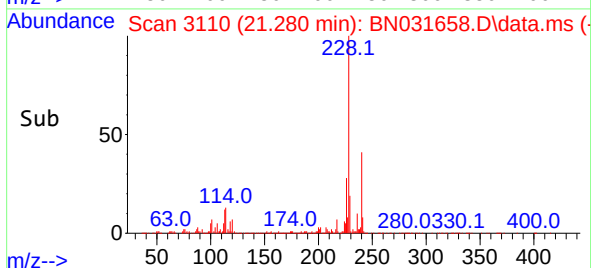
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

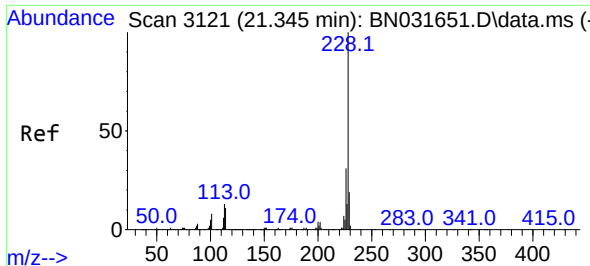


#85  
Benzo(a)anthracene  
Concen: 3.451 ng/ul  
RT: 21.280 min Scan# 3110  
Delta R.T. -0.006 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01



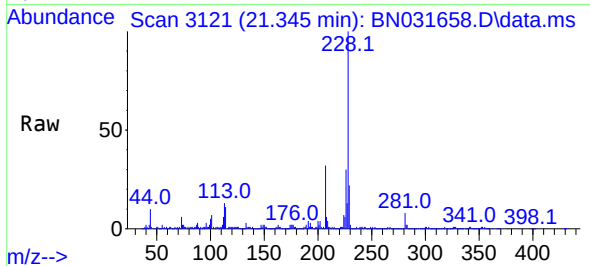
Tgt Ion:228 Resp: 312673  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.7 23.5  
226 28.5 21.9 32.9





#87  
Chrysene  
Concen: 3.724 ng/u1  
RT: 21.345 min Scan# 3121  
Delta R.T. 0.000 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

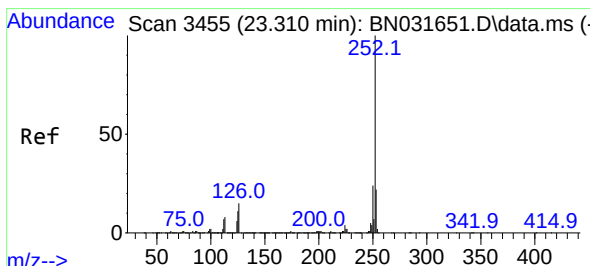
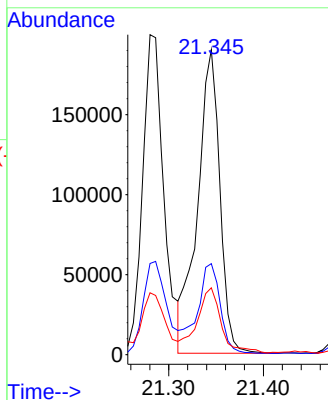
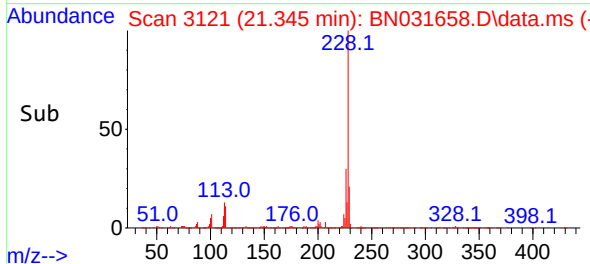
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y6



Tgt Ion:228 Resp: 31168  
Ion Ratio Lower Upper  
228 100  
226 29.8 22.9 34.3  
229 21.9 15.2 22.8

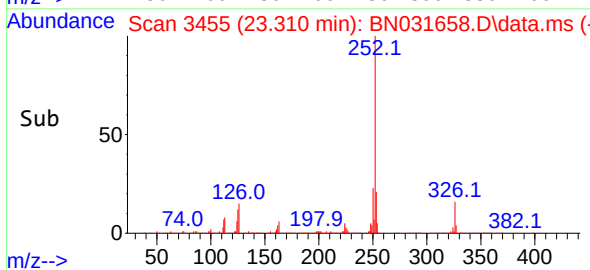
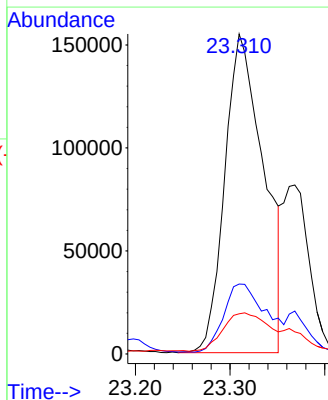
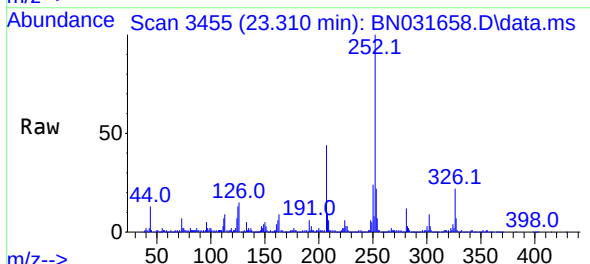
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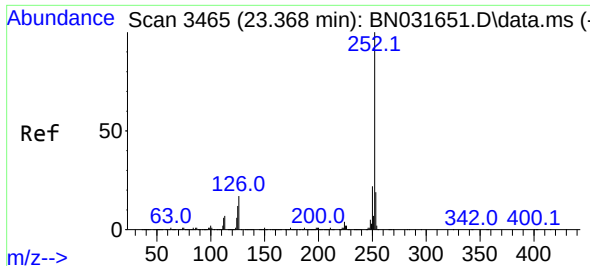
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024



#90  
Benzo(b)fluoranthene  
Concen: 4.530 ng/u1  
RT: 23.310 min Scan# 3455  
Delta R.T. 0.000 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

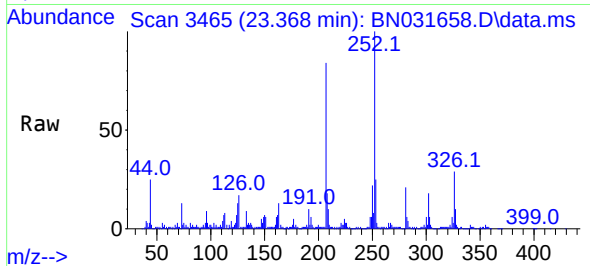
Tgt Ion:252 Resp: 441796  
Ion Ratio Lower Upper  
252 100  
253 21.9 16.8 25.2  
125 12.6 9.3 13.9





#91  
Benzo(k)fluoranthene  
Concen: 1.569 ng/ul m  
RT: 23.368 min Scan# 3465  
Delta R.T. 0.000 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

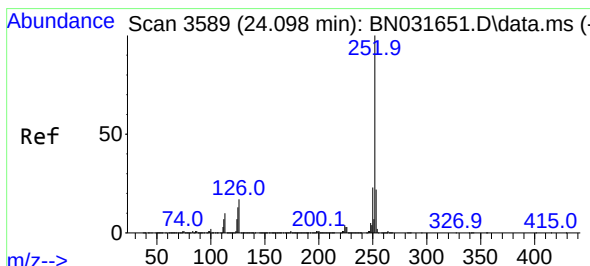
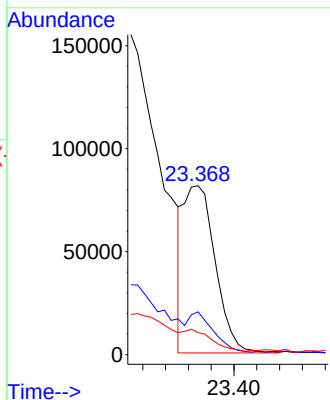
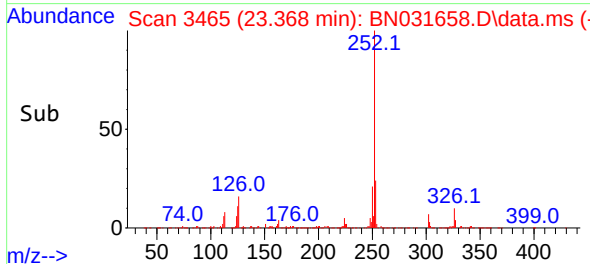
Instrument :  
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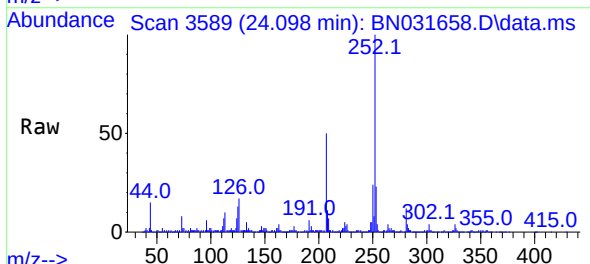
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Manual Integrations  
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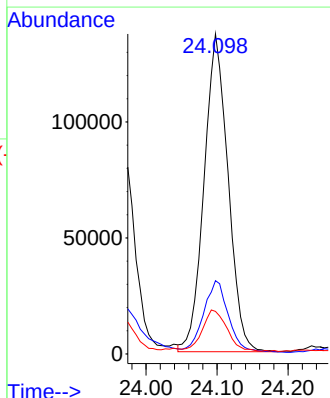
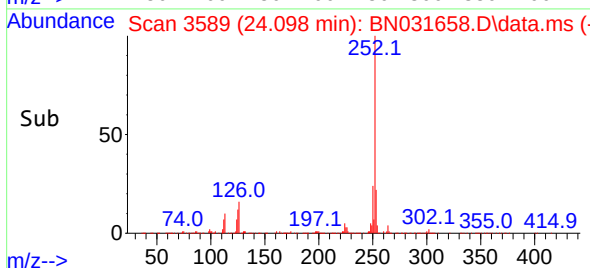
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

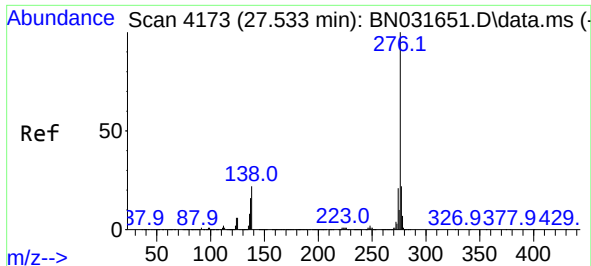


#93  
Benzo(a)pyrene  
Concen: 3.430 ng/ul  
RT: 24.098 min Scan# 3589  
Delta R.T. -0.006 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01



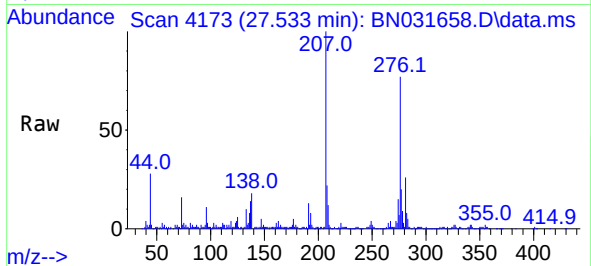
Tgt Ion:252 Resp: 321321  
Ion Ratio Lower Upper  
252 100  
253 22.9 16.6 24.8  
125 13.3 9.8 14.8





#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.032 ng/ul  
RT: 27.533 min Scan# 4173  
Delta R.T. 0.000 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01

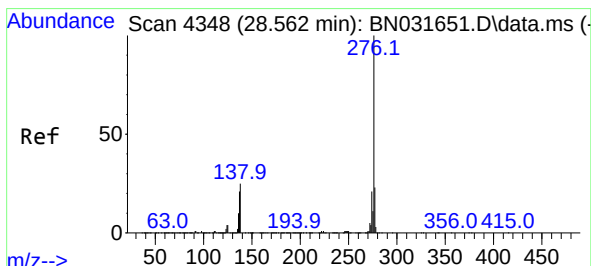
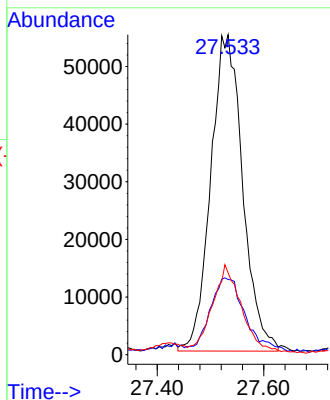
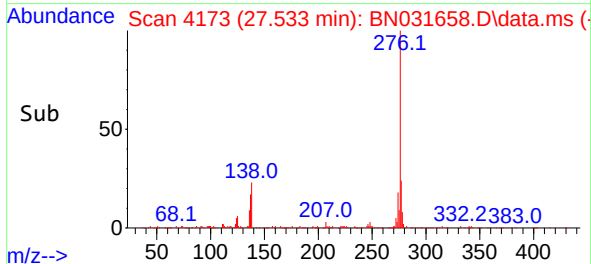
Instrument :  
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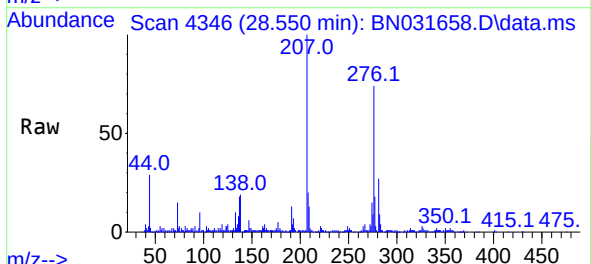
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Ion Ratio Lower Upper  
276 100  
138 23.5 19.8 29.6  
277 25.6 18.2 27.4

Manual Integrations  
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#96  
Benzo(g,h,i)perylene  
Concen: 2.435 ng/ul  
RT: 28.550 min Scan# 4346  
Delta R.T. -0.006 min  
Lab File: BN031658.D  
Acq: 24 May 2024 13:01



Tgt Ion:276 Resp: 226250  
Ion Ratio Lower Upper  
276 100  
138 25.3 19.5 29.3  
277 23.7 17.6 26.4

