

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
 Data File : BN031665.D  
 Acq On : 24 May 2024 17:39  
 Operator : MA/JU  
 Sample : P2548-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH5Y0

Manual Integrations  
 APPROVED

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

Quant Time: May 24 23:32:22 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     | 7.693  | 152  | 512130   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136  | 2074443  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1024554  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 1621129  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1360774  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1675840  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 14077    | 1.089  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.622  | 84   | 19811    | 0.549  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.852  | 99   | 263836   | 6.258  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 177360   | 7.014  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 219695   | 6.763  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 172124   | 5.274  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 101601   | 6.471  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143  | 88318    | 5.891  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165  | 174063   | 5.938  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 106044   | 2.510  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.740 | 166  | 473918   | 7.340  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160  | 573490   | 7.087  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 27578    | 2.257  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 389696   | 6.964  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.434 | 200  | 18513    | 2.641  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 495079   | 7.214  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.463 | 212  | 569569   | 6.673  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.033 | 264  | 601631   | 7.627  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.387 | 153  | 86885    | 1.435  | ng/u1  | 91       |
| 61) Fluorene                  | 15.375 | 166  | 92686    | 1.464  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.110 | 178  | 1607174  | 19.535 | ng/u1  | 99       |
| 74) Anthracene                | 17.204 | 178  | 329618   | 3.993  | ng/u1  | 98       |
| 77) Carbazole                 | 17.475 | 167  | 160940   | 2.285  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.133 | 202  | 2205060  | 20.900 | ng/u1  | 98       |
| 82) Pyrene                    | 19.498 | 202  | 1898759  | 17.549 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 1026220  | 11.215 | ng/u1  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 1024159  | 12.117 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 1389567  | 14.209 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.368 | 252  | 401258m  | 4.025  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.104 | 252  | 962935   | 10.251 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.539 | 276  | 642029   | 5.695  | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 27.586 | 278  | 167763   | 1.807  | ng/u1  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.568 | 276  | 611920   | 6.569  | ng/u1  | 93       |
| -----                         |        |      |          |        |        |          |

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

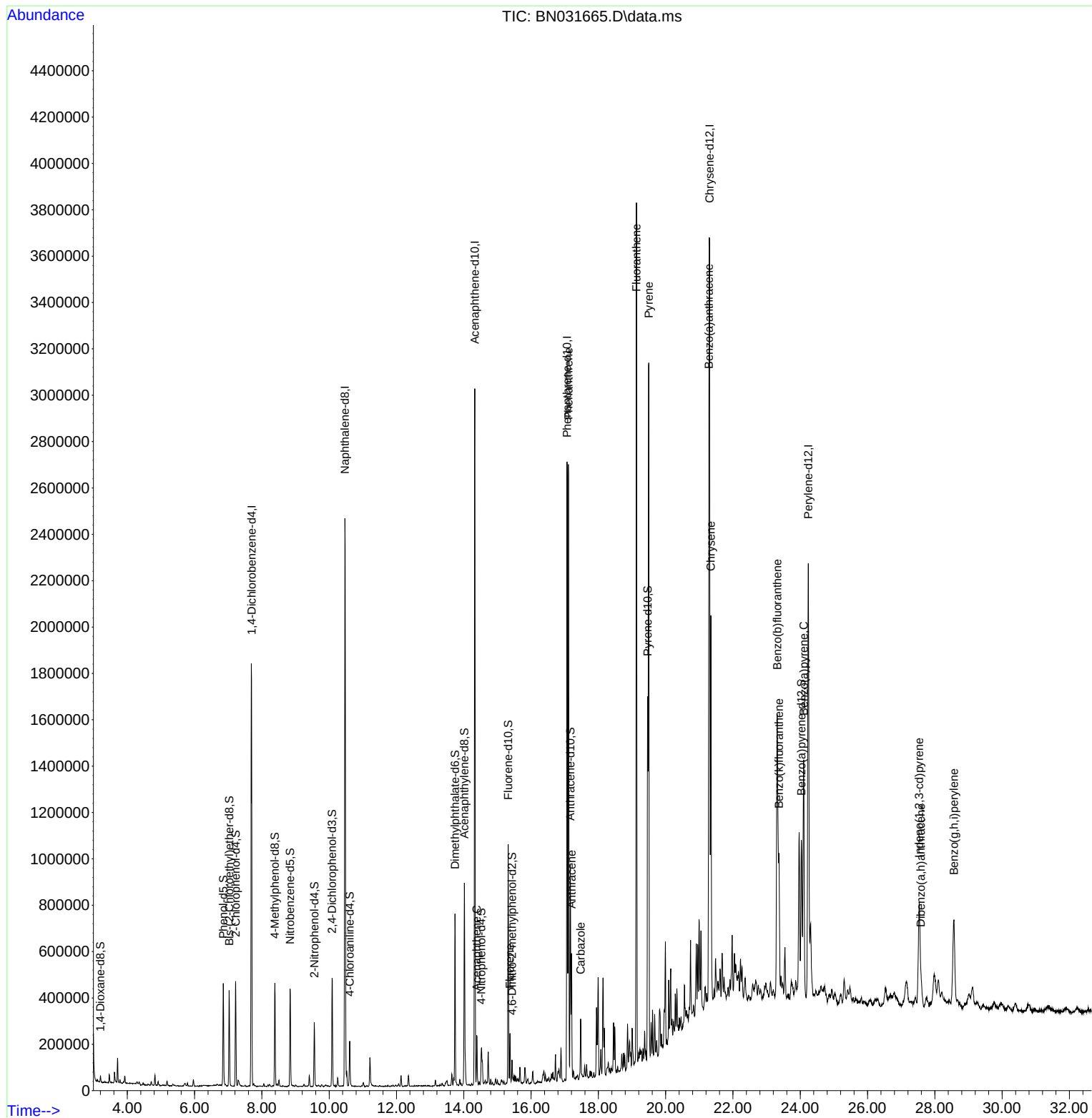
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052424\  
Data File : BN031665.D  
Acq On : 24 May 2024 17:39  
Operator : MA/JU  
Sample : P2548-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

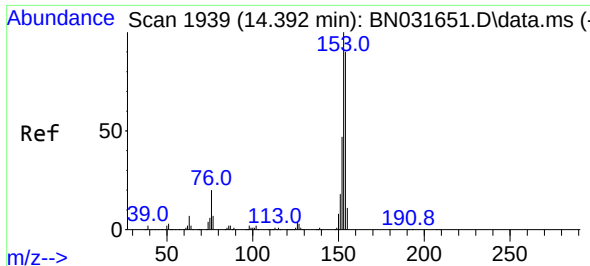
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0

Quant Time: May 24 23:32:22 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

Manual Integrations  
APPROVED

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





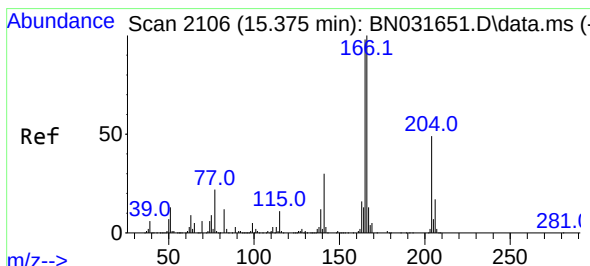
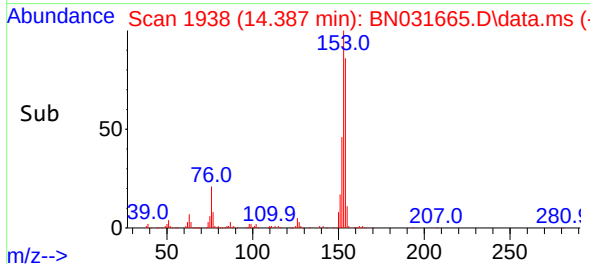
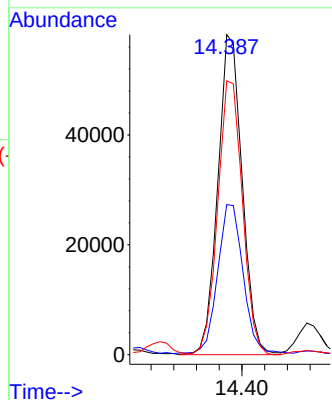
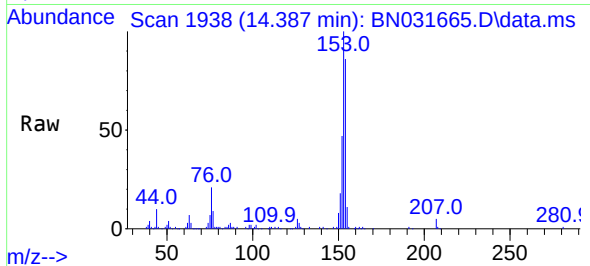
#52  
Acenaphthene  
Concen: 1.435 ng/ul  
RT: 14.387 min Scan# 1938  
Delta R.T. -0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0

Tgt Ion:153 Resp: 86885  
Ion Ratio Lower Upper  
153 100  
152 46.9 40.5 60.7  
154 85.6 76.6 114.8

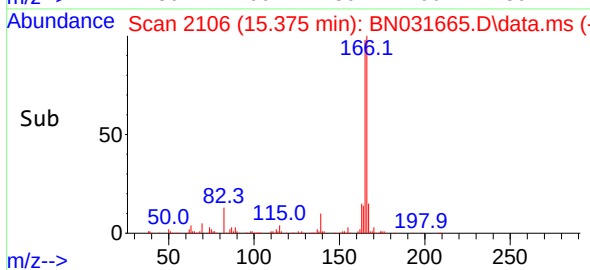
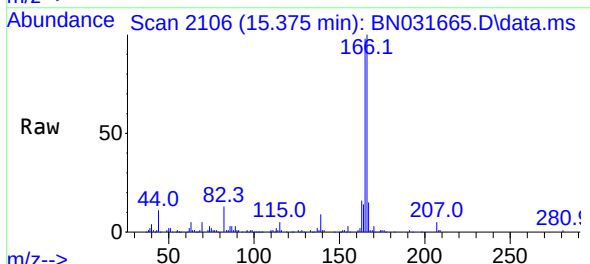
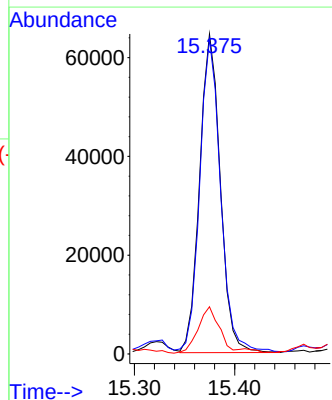
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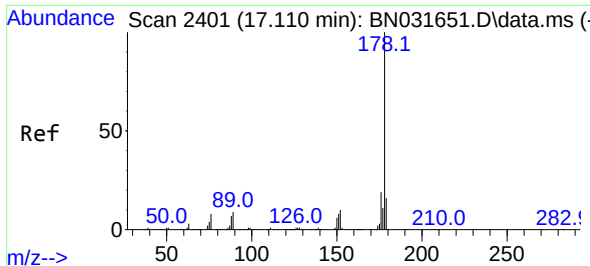
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024



#61  
Fluorene  
Concen: 1.464 ng/ul  
RT: 15.375 min Scan# 2106  
Delta R.T. -0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

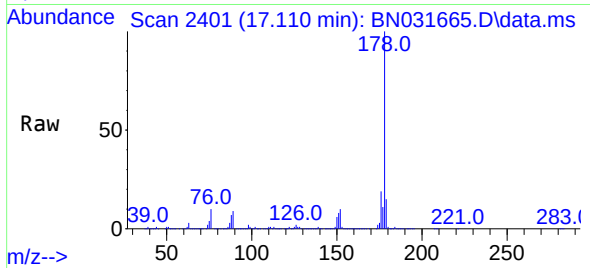
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Ion Ratio Lower Upper  
166 100  
165 98.5 77.0 115.6  
167 14.7 10.9 16.3





#72  
Phenanthrene  
Concen: 19.535 ng/u1  
RT: 17.110 min Scan# 2401  
Delta R.T. -0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

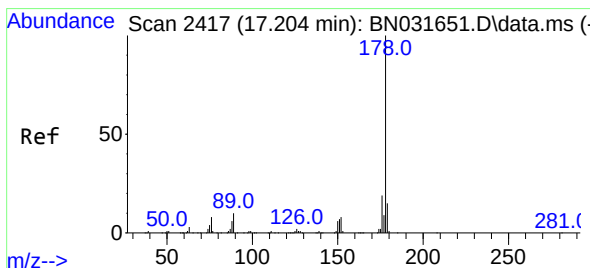
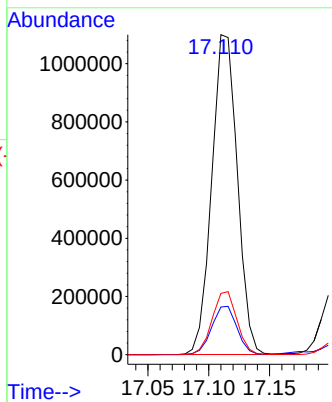
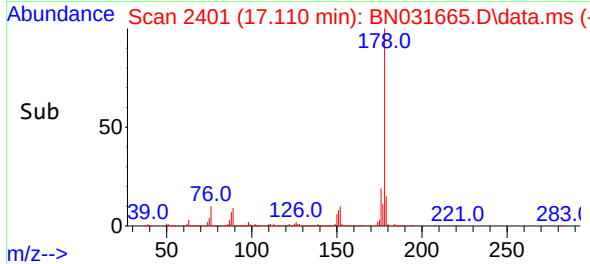
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



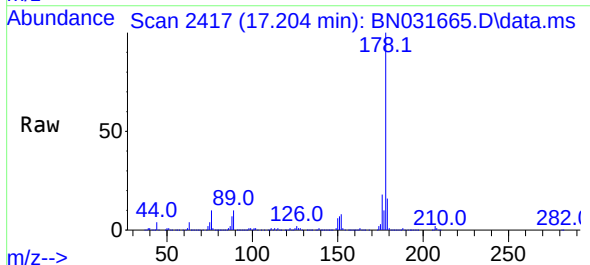
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Ion Ratio Lower Upper  
178 100  
179 14.9 12.6 18.8  
176 19.2 15.2 22.8

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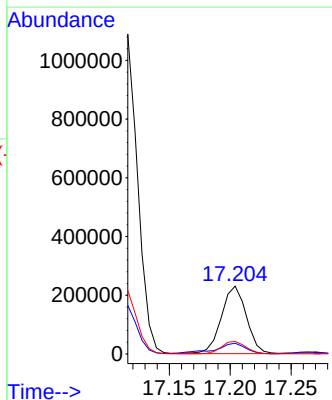
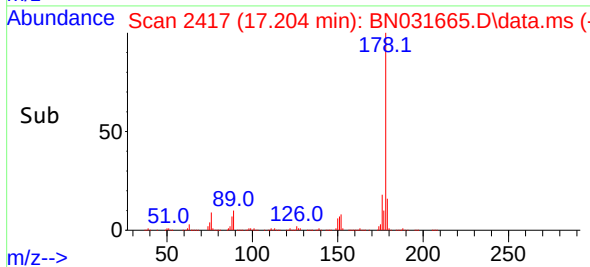
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

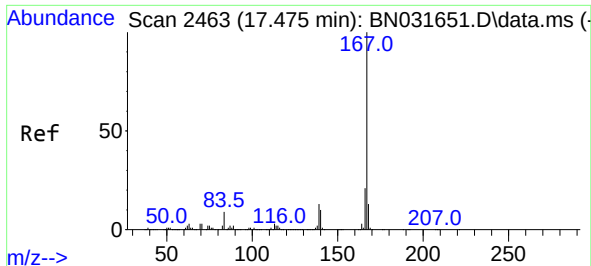


#74  
Anthracene  
Concen: 3.993 ng/u1  
RT: 17.204 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39



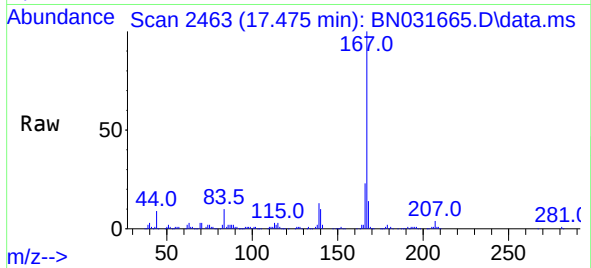
Tgt Ion:178 Resp: 329618  
Ion Ratio Lower Upper  
178 100  
179 15.9 11.9 17.9  
176 18.4 15.4 23.2





#77  
Carbazole  
Concen: 2.285 ng/u1  
RT: 17.475 min Scan# 2463  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

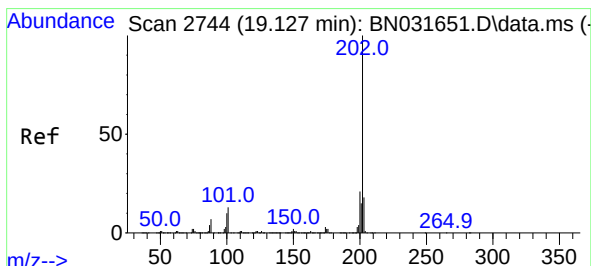
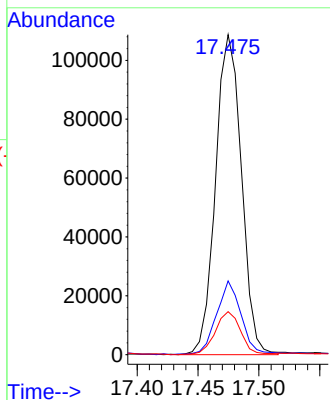
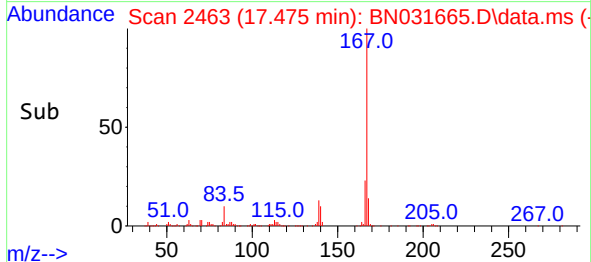
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



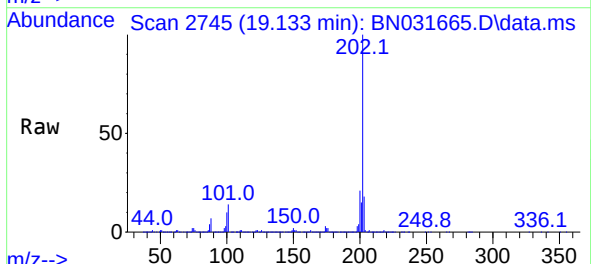
Tgt Ion:167 Resp: 160940  
Ion Ratio Lower Upper  
167 100  
166 23.1 16.7 25.1  
139 13.5 10.5 15.7

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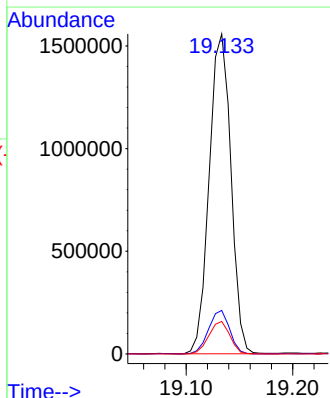
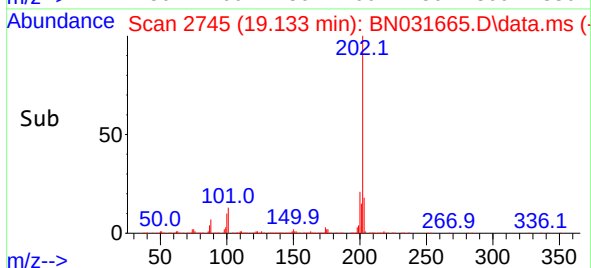
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

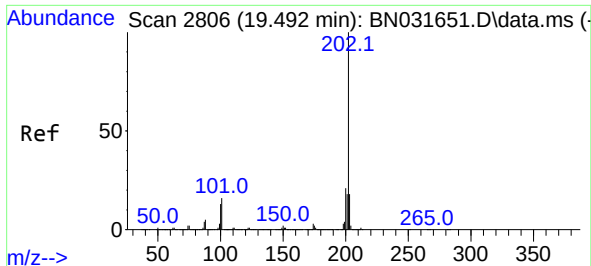


#80  
Fluoranthene  
Concen: 20.900 ng/u1  
RT: 19.133 min Scan# 2745  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39



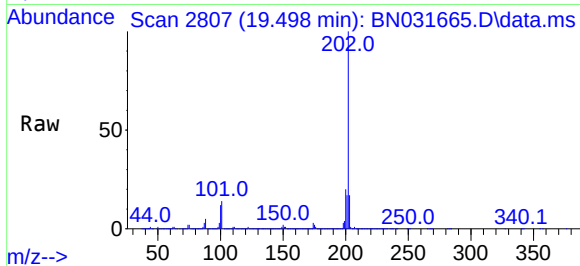
Tgt Ion:202 Resp: 2205060  
Ion Ratio Lower Upper  
202 100  
101 13.6 10.1 15.1  
100 10.2 8.0 12.0





#82  
Pyrene  
Concen: 17.549 ng/ul  
RT: 19.498 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

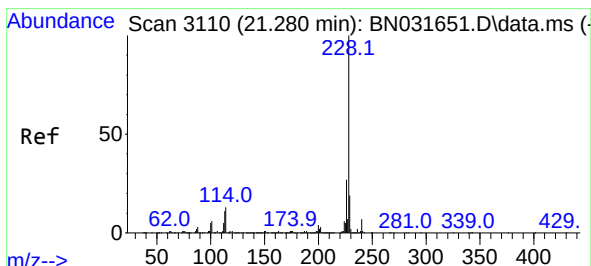
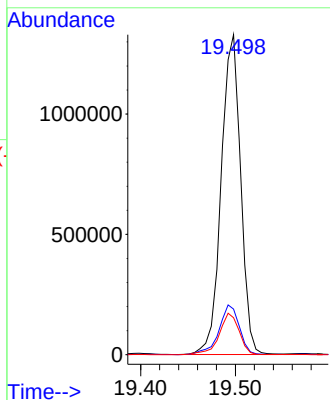
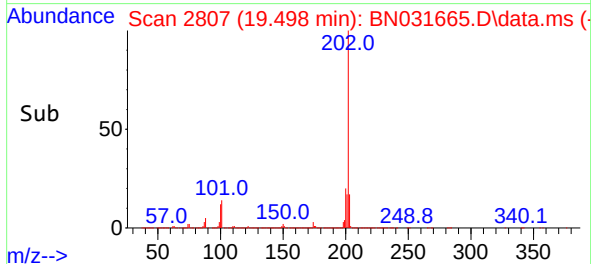
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



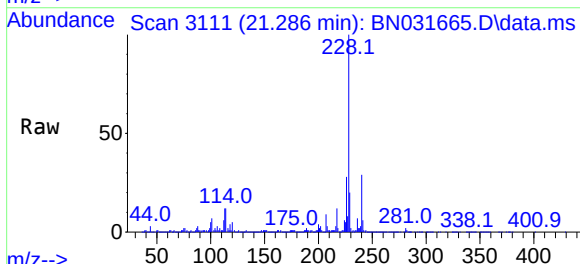
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Ion Ratio Lower Upper  
202 100  
101 14.2 11.4 17.2  
100 11.6 9.3 13.9

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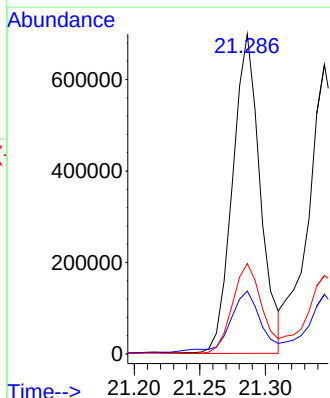
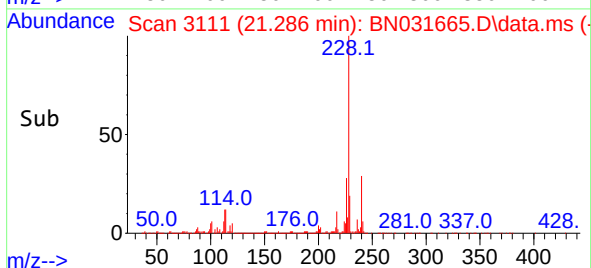
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024

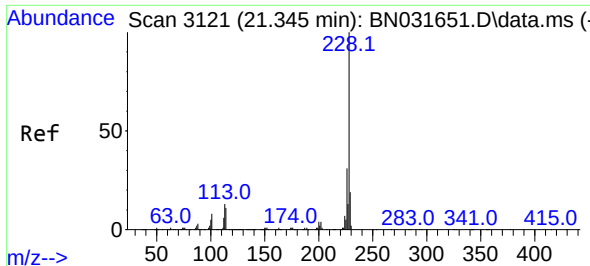


#85  
Benzo(a)anthracene  
Concen: 11.215 ng/ul  
RT: 21.286 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39



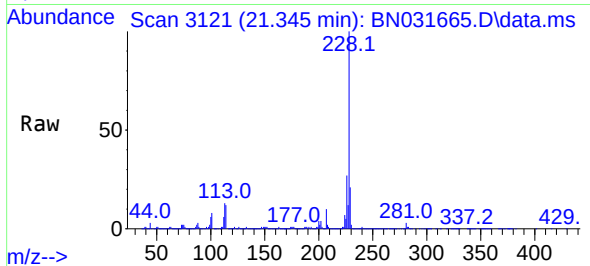
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Ion Ratio Lower Upper  
228 100  
229 19.7 15.7 23.5  
226 28.2 21.9 32.9





#87  
Chrysene  
Concen: 12.117 ng/u1  
RT: 21.345 min Scan# 3121  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

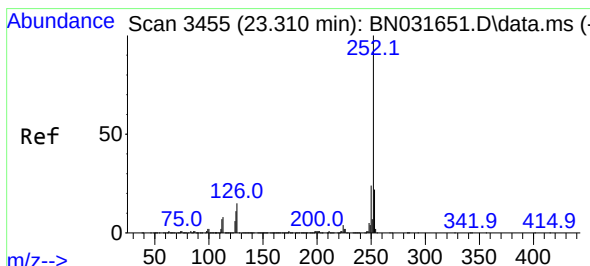
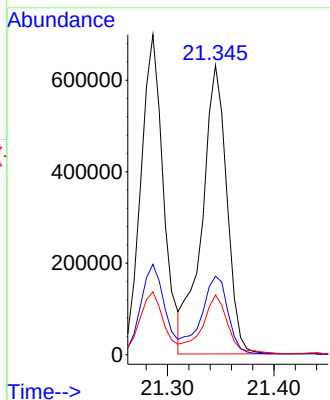
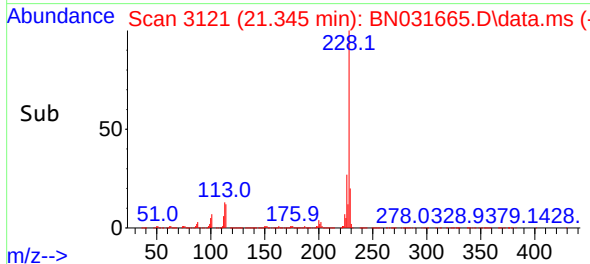
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



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Ion Ratio Lower Upper  
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229 20.6 15.2 22.8

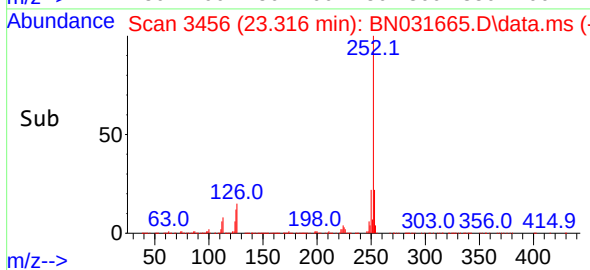
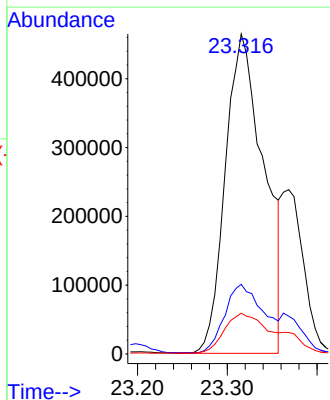
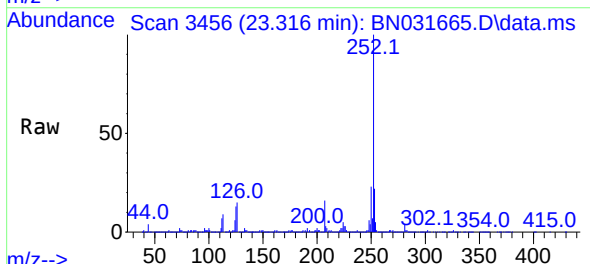
Manual Integrations  
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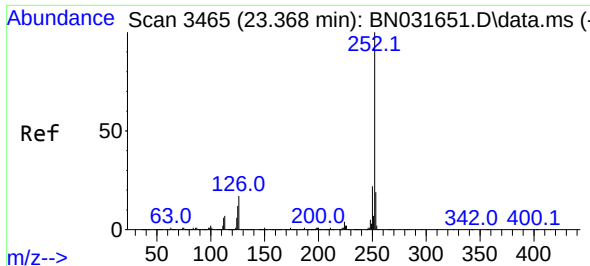
Reviewed By :Yogesh Patel 05/25/2024  
Supervised By :mohammad ahmed 05/27/2024



#90  
Benzo(b)fluoranthene  
Concen: 14.209 ng/u1  
RT: 23.316 min Scan# 3456  
Delta R.T. 0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

Tgt Ion:252 Resp: 1389567  
Ion Ratio Lower Upper  
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253 21.8 16.8 25.2  
125 12.8 9.3 13.9





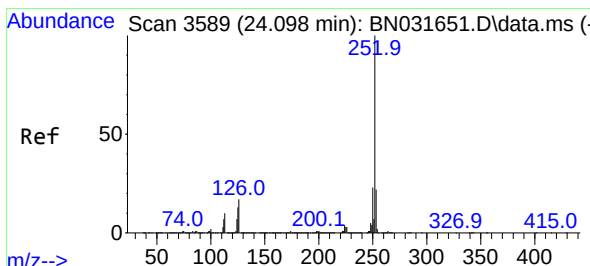
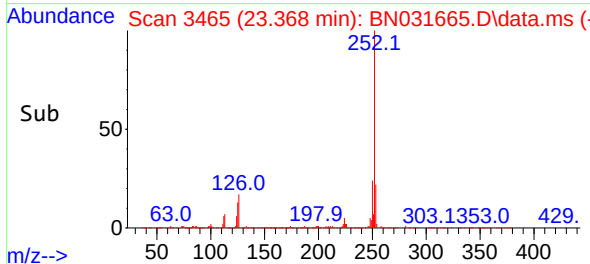
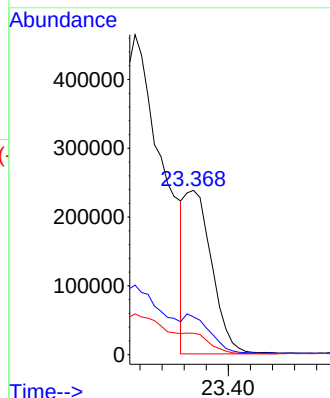
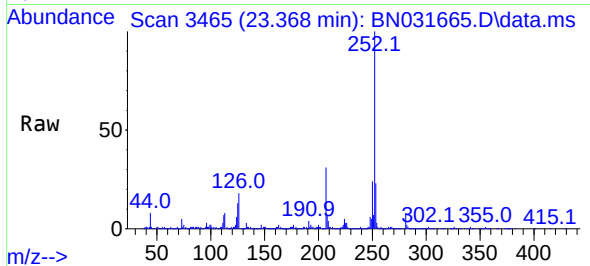
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Benzo(k)fluoranthene  
Concen: 4.025 ng/ul m  
RT: 23.368 min Scan# 3465  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0

Tgt Ion:252 Resp: 401258  
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125 13.1 9.3 13.9

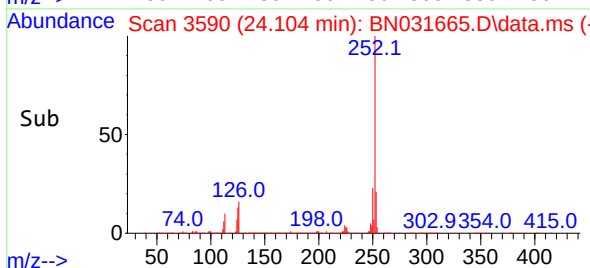
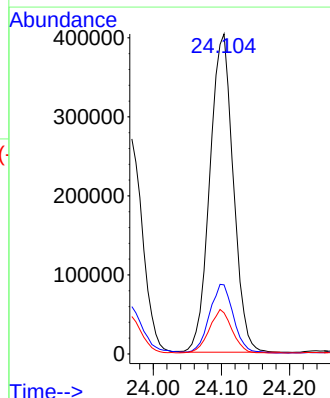
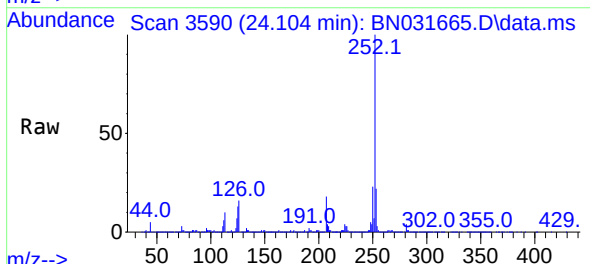
Manual Integrations  
APPROVED

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

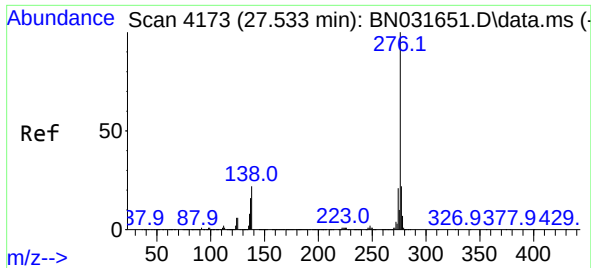


#93  
Benzo(a)pyrene  
Concen: 10.251 ng/ul  
RT: 24.104 min Scan# 3590  
Delta R.T. 0.000 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

Tgt Ion:252 Resp: 962935  
Ion Ratio Lower Upper  
252 100  
253 21.6 16.6 24.8  
125 12.8 9.8 14.8

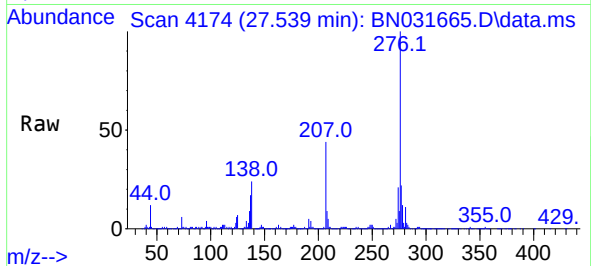






#94  
Indeno(1,2,3-cd)pyrene  
Concen: 5.695 ng/ul  
RT: 27.539 min Scan# 4173  
Delta R.T. 0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

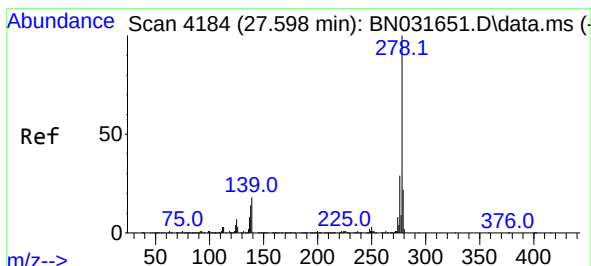
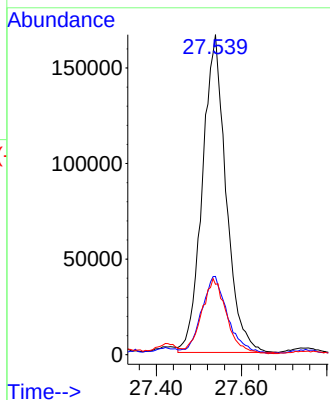
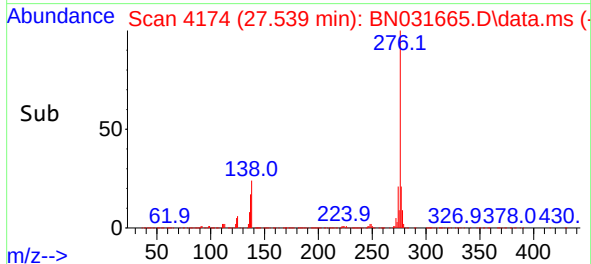
Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



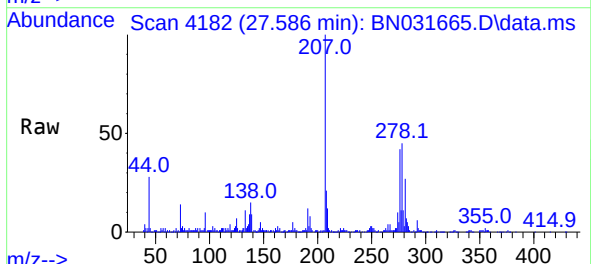
Tgt Ion:276 Resp: 642029  
Ion Ratio Lower Upper  
276 100  
138 24.5 19.8 29.6  
277 22.0 18.2 27.4

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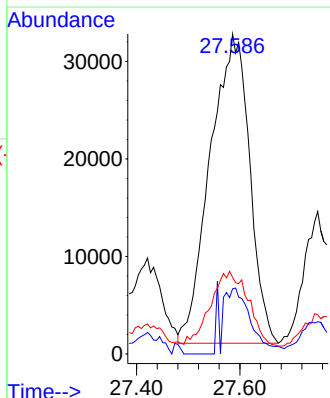
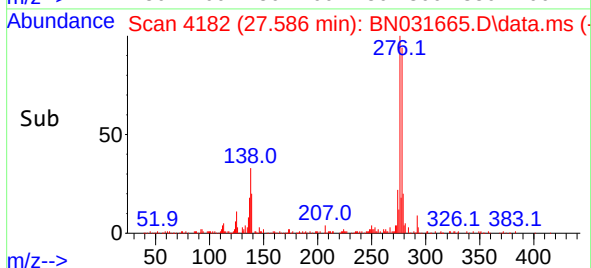
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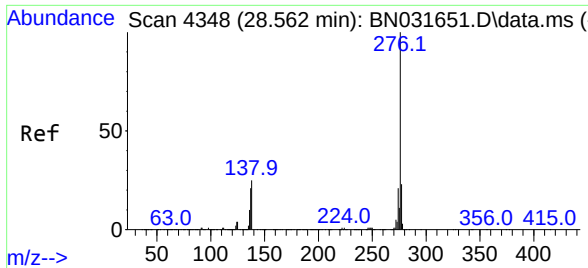


#95  
Dibenzo(a,h)anthracene  
Concen: 1.807 ng/ul  
RT: 27.586 min Scan# 4182  
Delta R.T. -0.006 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39



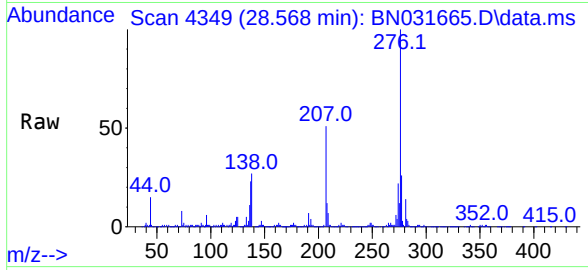
Tgt Ion:278 Resp: 167763  
Ion Ratio Lower Upper  
278 100  
139 20.4 15.2 22.8  
279 24.0 18.4 27.6





#96  
Benzo(g,h,i)perylene  
Concen: 6.569 ng/ul  
RT: 28.568 min Scan# 41  
Delta R.T. 0.012 min  
Lab File: BN031665.D  
Acq: 24 May 2024 17:39

Instrument :  
BNA\_N  
ClientSampleId :  
BH5Y0



Tgt Ion:276 Resp: 611920  
Ion Ratio Lower Upper  
276 100  
138 27.1 19.5 29.3  
277 25.6 17.6 26.4

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