

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
 Data File : BN031710.D  
 Acq On : 30 May 2024 06:26  
 Operator : MA/JU  
 Sample : P2569-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH649

Manual Integrations  
 APPROVED

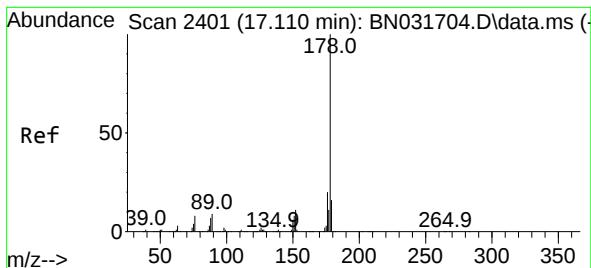
Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 30 07:08:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 29 15:13:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 581494   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 2468897  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1432448  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 2621532  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240  | 1770538  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.257 | 264  | 2016244  | 20.000 | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 55264    | 3.932  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 734994   | 18.576 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 1177238  | 23.615 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.028  | 67   | 690437   | 23.679 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 936645   | 24.625 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.393  | 113  | 884822   | 21.775 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 485707   | 25.730 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 511535   | 26.233 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 893057   | 24.532 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 1192121  | 22.055 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 2731730  | 27.374 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 3170617  | 27.631 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.534 | 143  | 410647   | 20.552 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 2260905  | 26.776 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200  | 152762   | 11.593 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.175 | 188  | 3123388  | 27.829 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.475 | 212  | 3021955  | 31.895 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.051 | 264  | 2719020  | 28.242 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.116 | 178  | 280092   | 2.097  | ng/u1  | 100      |
| 80) Fluoranthene              | 19.133 | 202  | 822279   | 7.262  | ng/u1  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 757071   | 6.517  | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 58422    | 1.065  | ng/u1  | 92       |
| 85) Benzo(a)anthracene        | 21.292 | 228  | 430334   | 3.631  | ng/u1  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149  | 199452   | 2.494  | ng/u1# | 97       |
| 87) Chrysene                  | 21.351 | 228  | 428285m  | 3.869  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 579621   | 4.810  | ng/u1  | 93       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 200365m  | 1.694  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.110 | 252  | 404391   | 3.583  | ng/u1# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.562 | 276  | 305178m  | 2.346  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 28.592 | 276  | 271420   | 2.625  | ng/u1  | 95       |
| -----                         |        |      |          |        |        |          |

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





#72

Phenanthrene

Concen: 2.097 ng/ul

RT: 17.116 min Scan# 2401

Delta R.T. -0.000 min

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BNA\_N

ClientSampleId :

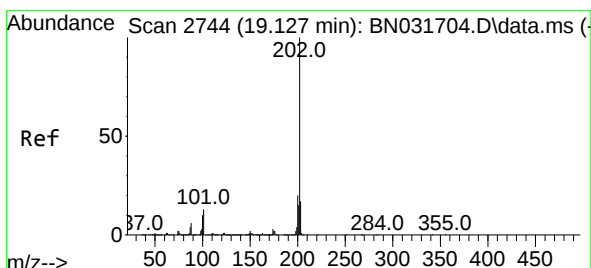
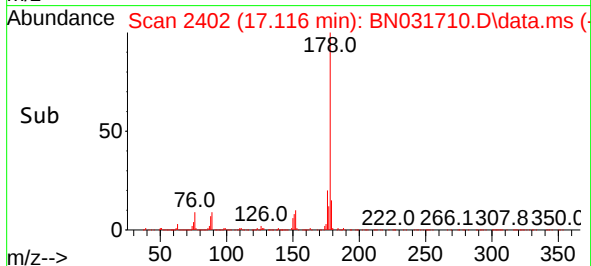
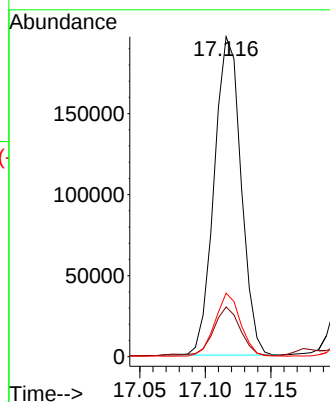
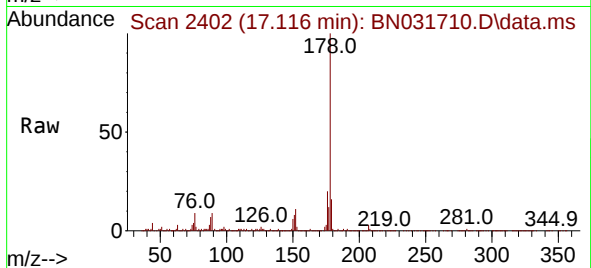
BH649

Tgt Ion:178 Resp: 280092  
 Ion Ratio Lower Upper  
 178 100  
 179 15.6 12.6 19.0  
 176 19.9 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024



#80

Fluoranthene

Concen: 7.262 ng/ul

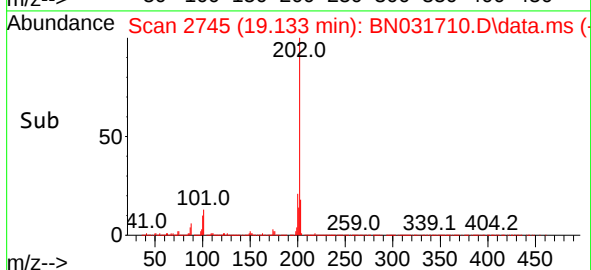
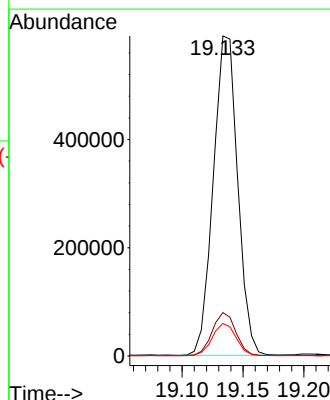
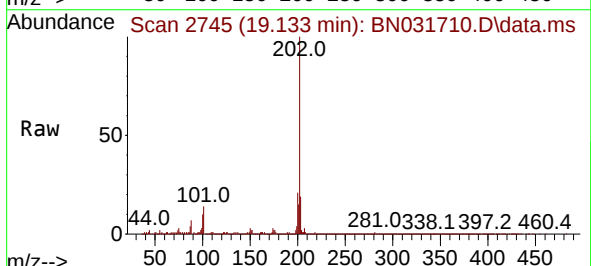
RT: 19.133 min Scan# 2745

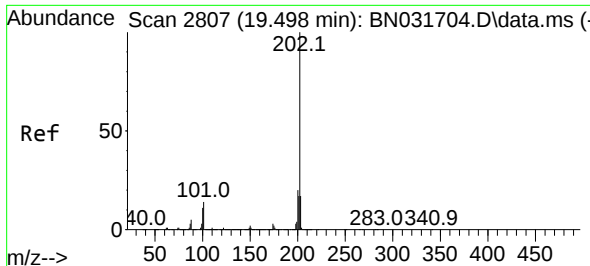
Delta R.T. -0.000 min

Lab File: BN031710.D

Acq: 30 May 2024 06:26

Tgt Ion:202 Resp: 822279  
 Ion Ratio Lower Upper  
 202 100  
 101 13.5 10.3 15.5  
 100 10.2 8.0 12.0





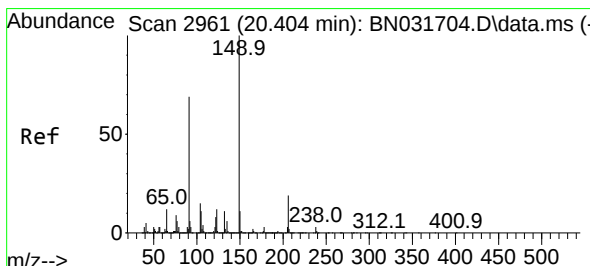
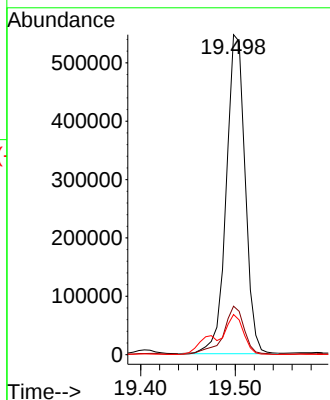
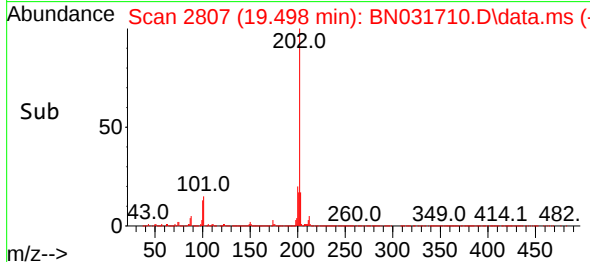
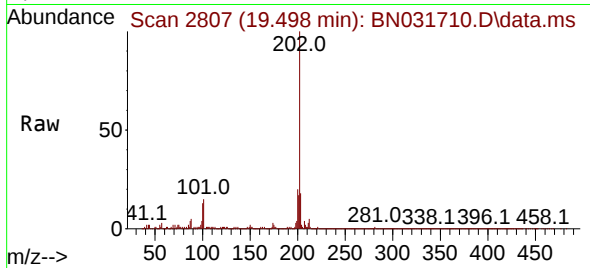
#82  
Pyrene  
Concen: 6.517 ng/ul  
RT: 19.498 min Scan# 2807  
Delta R.T. 0.006 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Instrument :  
BNA\_N  
ClientSampleId :  
BH649

Tgt Ion:202 Resp: 75707  
Ion Ratio Lower Upper  
202 100  
101 15.1 12.6 18.8  
100 12.6 10.2 15.2

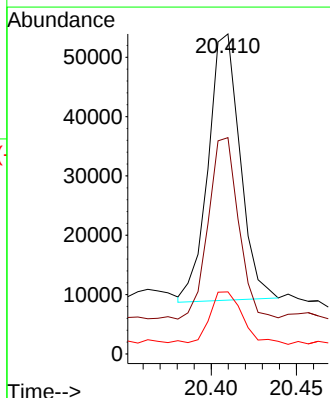
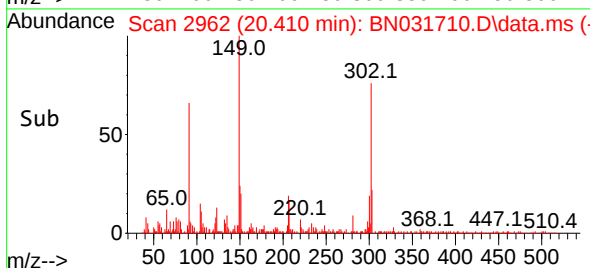
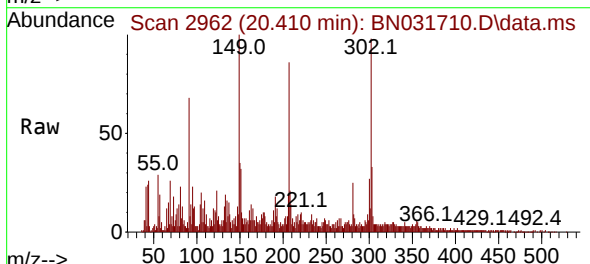
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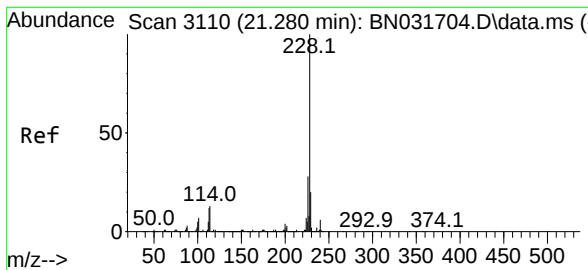
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



#83  
Butylbenzylphthalate  
Concen: 1.065 ng/ul  
RT: 20.410 min Scan# 2962  
Delta R.T. 0.006 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Tgt Ion:149 Resp: 58422  
Ion Ratio Lower Upper  
149 100  
91 67.6 61.0 91.4  
206 19.4 16.5 24.7





#85

Benzo(a)anthracene

Concen: 3.631 ng/ul

RT: 21.292 min Scan# 3110

Delta R.T. 0.006 min

Lab File: BN031710.D

Acq: 30 May 2024 06:26

Instrument :

BN031710.D

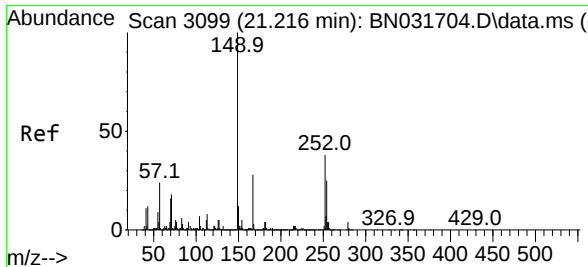
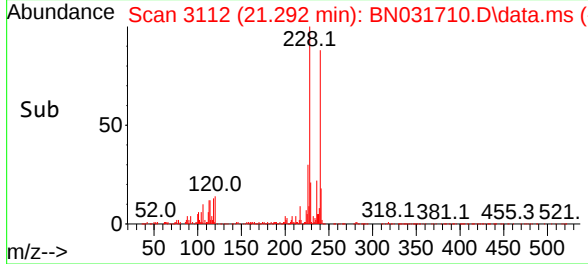
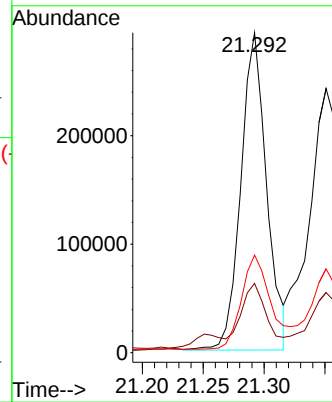
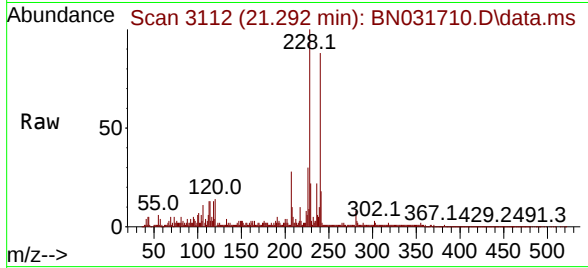
ClientSampleId :

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Supervised By :mohammad ahmed 05/31/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.494 ng/ul

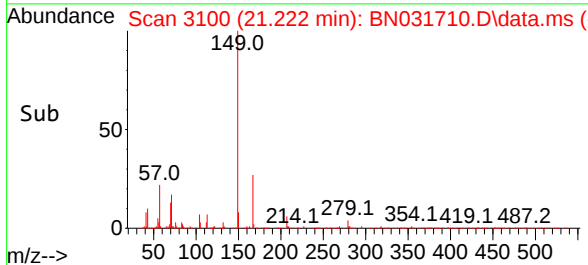
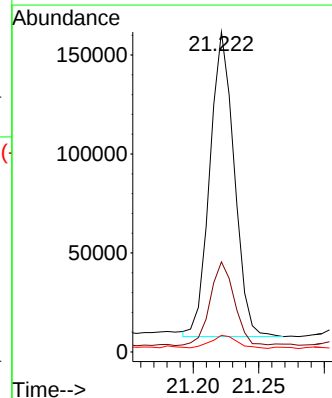
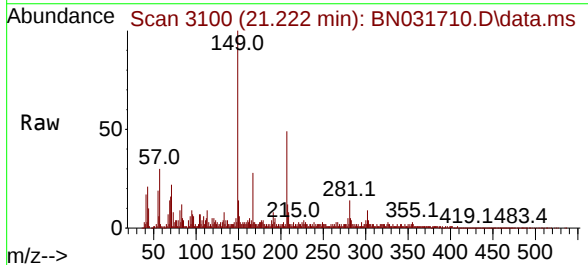
RT: 21.222 min Scan# 3100

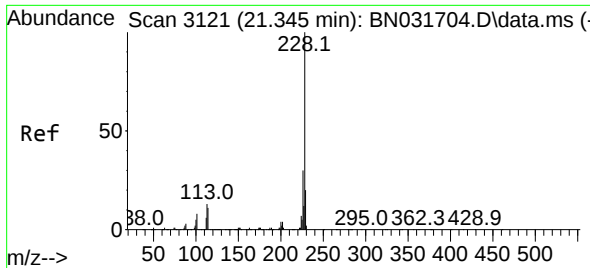
Delta R.T. -0.000 min

Lab File: BN031710.D

Acq: 30 May 2024 06:26

| Tgt Ion:149 | Resp: 199452 |       |       |
|-------------|--------------|-------|-------|
| Ion         | Ratio        | Lower | Upper |
| 149         | 100          |       |       |
| 167         | 28.1         | 21.4  | 32.0  |
| 279         | 5.2          | 3.3   | 4.9   |





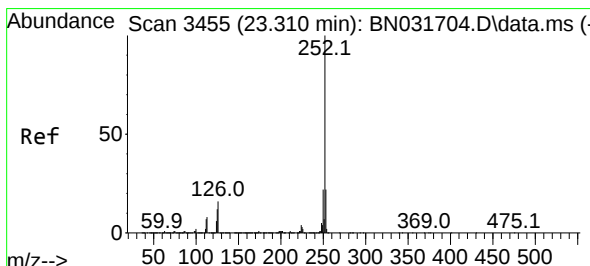
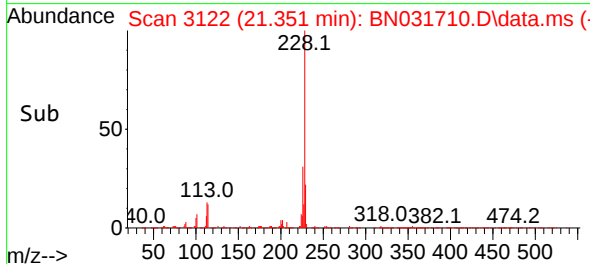
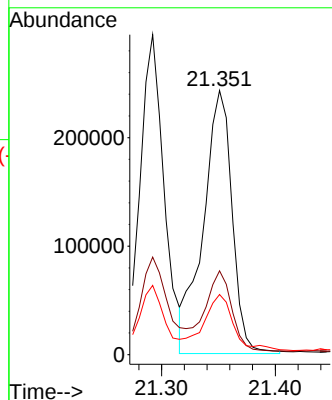
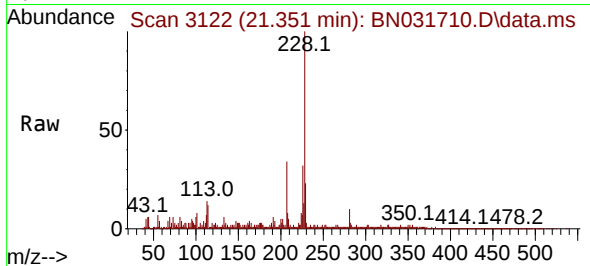
#87  
Chrysene  
Concen: 3.869 ng/ul m  
RT: 21.351 min Scan# 3121  
Delta R.T. -0.000 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Instrument :  
BNA\_N  
ClientSampleId :  
BH649

Tgt Ion:228 Resp: 428285  
Ion Ratio Lower Upper  
228 100  
226 31.7 23.7 35.5  
229 22.8 15.1 22.7

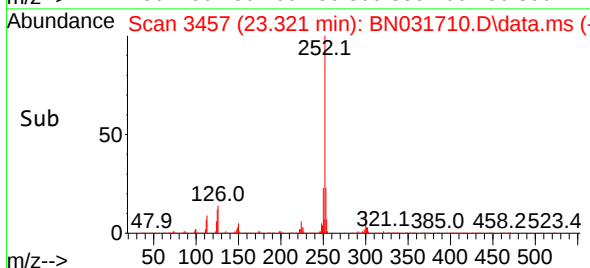
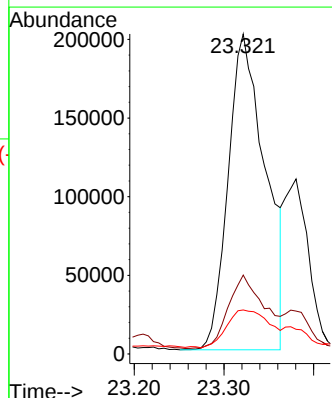
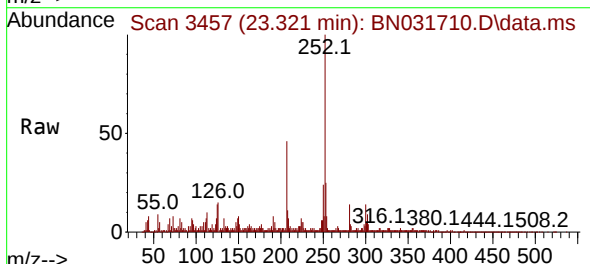
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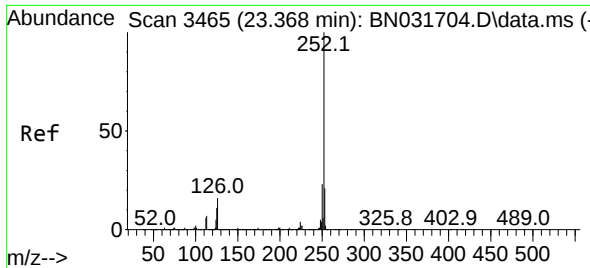
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



#90  
Benzo(b)fluoranthene  
Concen: 4.810 ng/ul  
RT: 23.321 min Scan# 3457  
Delta R.T. 0.012 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Tgt Ion:252 Resp: 579621  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.0 25.6  
125 13.7 9.2 13.8





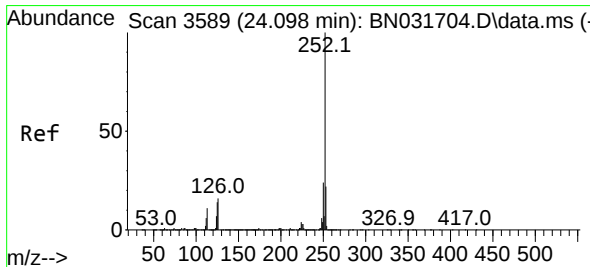
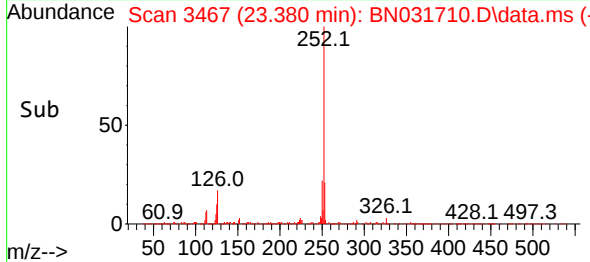
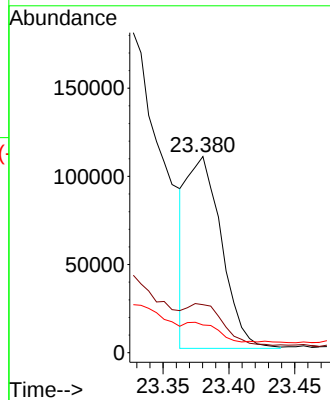
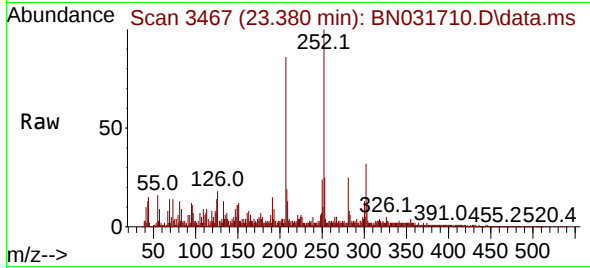
#91  
Benzo(k)fluoranthene  
Concen: 1.694 ng/ul m  
RT: 23.380 min Scan# 3465  
Delta R.T. 0.006 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:252 Resp: 200365  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.6 26.4  
125 14.1 9.4 14.2

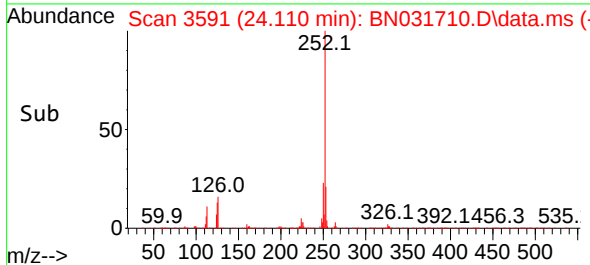
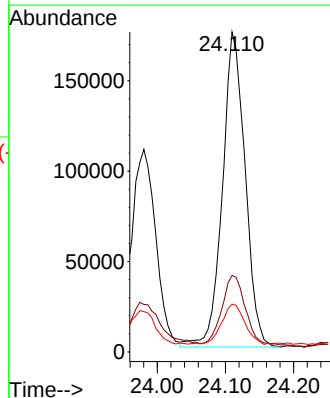
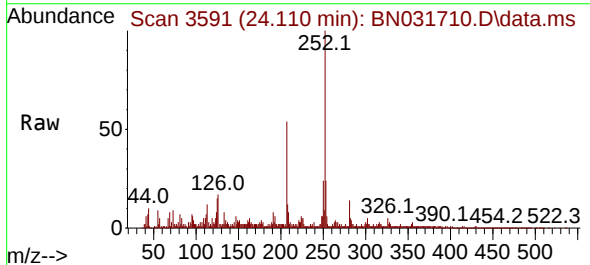
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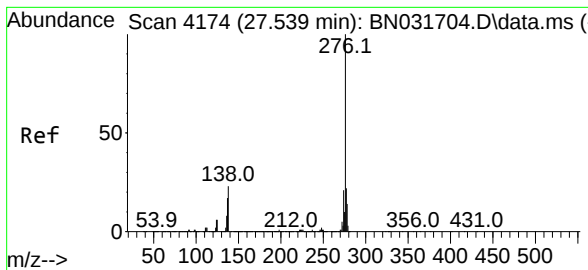
Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



#93  
Benzo(a)pyrene  
Concen: 3.583 ng/ul  
RT: 24.110 min Scan# 3591  
Delta R.T. 0.006 min  
Lab File: BN031710.D  
Acq: 30 May 2024 06:26

Tgt Ion:252 Resp: 404391  
Ion Ratio Lower Upper  
252 100  
253 23.9 16.6 24.8  
125 14.9 9.8 14.8#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.346 ng/ul m

RT: 27.562 min Scan# 4178

Delta R.T. 0.029 min

Lab File: BN031710.D

Acq: 30 May 2024 06:26

Instrument :

BNA\_N

ClientSampleId :

BH649

Tgt Ion:276 Resp: 305178

Ion Ratio Lower Upper

276 100

138 27.2 18.1 27.1

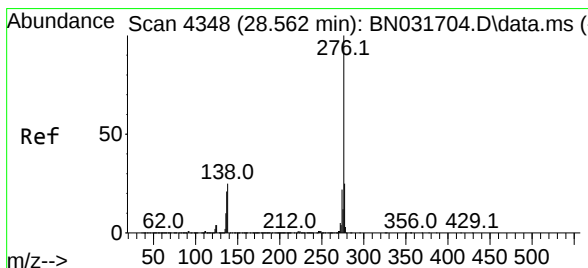
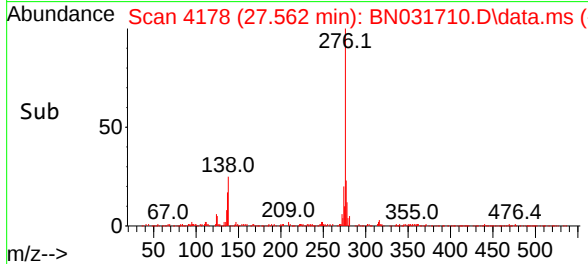
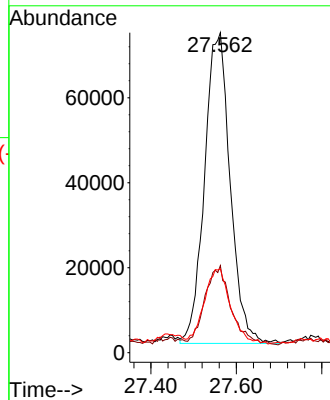
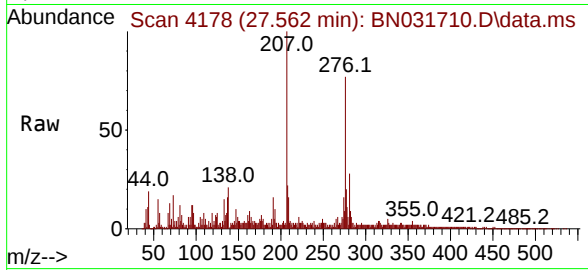
277 26.2 18.2 27.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/30/2024

Supervised By :mohammad ahmed 05/31/2024



#96

Benzo(g,h,i)perylene

Concen: 2.625 ng/ul

RT: 28.592 min Scan# 4353

Delta R.T. 0.023 min

Lab File: BN031710.D

Acq: 30 May 2024 06:26

Tgt Ion:276 Resp: 271420

Ion Ratio Lower Upper

276 100

138 28.9 20.9 31.3

277 24.6 18.0 27.0

