

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015848.D  
 Acq On : 30 Jun 2023 17:23  
 Operator : MA/JU  
 Sample : 03161-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jun 30 23:42:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.052  | 152  | 285359   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.881 | 136  | 1237080  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 705199   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.463 | 188  | 1325579  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.551 | 240  | 825916   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.098 | 264  | 924089   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 24672    | 3.111  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.828  | 84   | 195393   | 9.773  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.234  | 99   | 448370   | 18.364 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 320538   | 21.220 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 372967   | 20.236 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.799  | 113  | 258456   | 13.400 | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 9.246  | 128  | 182736   | 19.329 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 199377   | 18.069 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 313031   | 15.920 | ng/u1  | 0.03     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 194237   | 7.690  | ng/u1  | 0.04     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 1083263  | 19.874 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.398 | 160  | 1214995  | 19.829 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.998 | 143  | 95849m   | 13.325 | ng/u1  | 0.05     |
| 60) Fluorene-d10              | 15.704 | 176  | 880437   | 19.617 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 86663    | 10.631 | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.569 | 188  | 1123439  | 18.554 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1189045  | 22.048 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 936107   | 20.082 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 211727   | 2.940  | ng/u1  | 100      |
| 80) Fluoranthene              | 19.469 | 202  | 715544   | 10.676 | ng/u1# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 569356   | 8.328  | ng/u1# | 91       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 261268   | 4.497  | ng/u1  | 96       |
| 87) Chrysene                  | 21.592 | 228  | 323412   | 5.867  | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 493672   | 8.314  | ng/u1# | 88       |
| 91) Benzo(k)fluoranthene      | 23.357 | 252  | 148565m  | 2.476  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 293742   | 5.662  | ng/u1# | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 257508   | 3.656  | ng/u1# | 93       |
| 95) Dibenzo(a,h)anthracene    | 26.780 | 278  | 67059m   | 1.159  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 227721   | 3.930  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

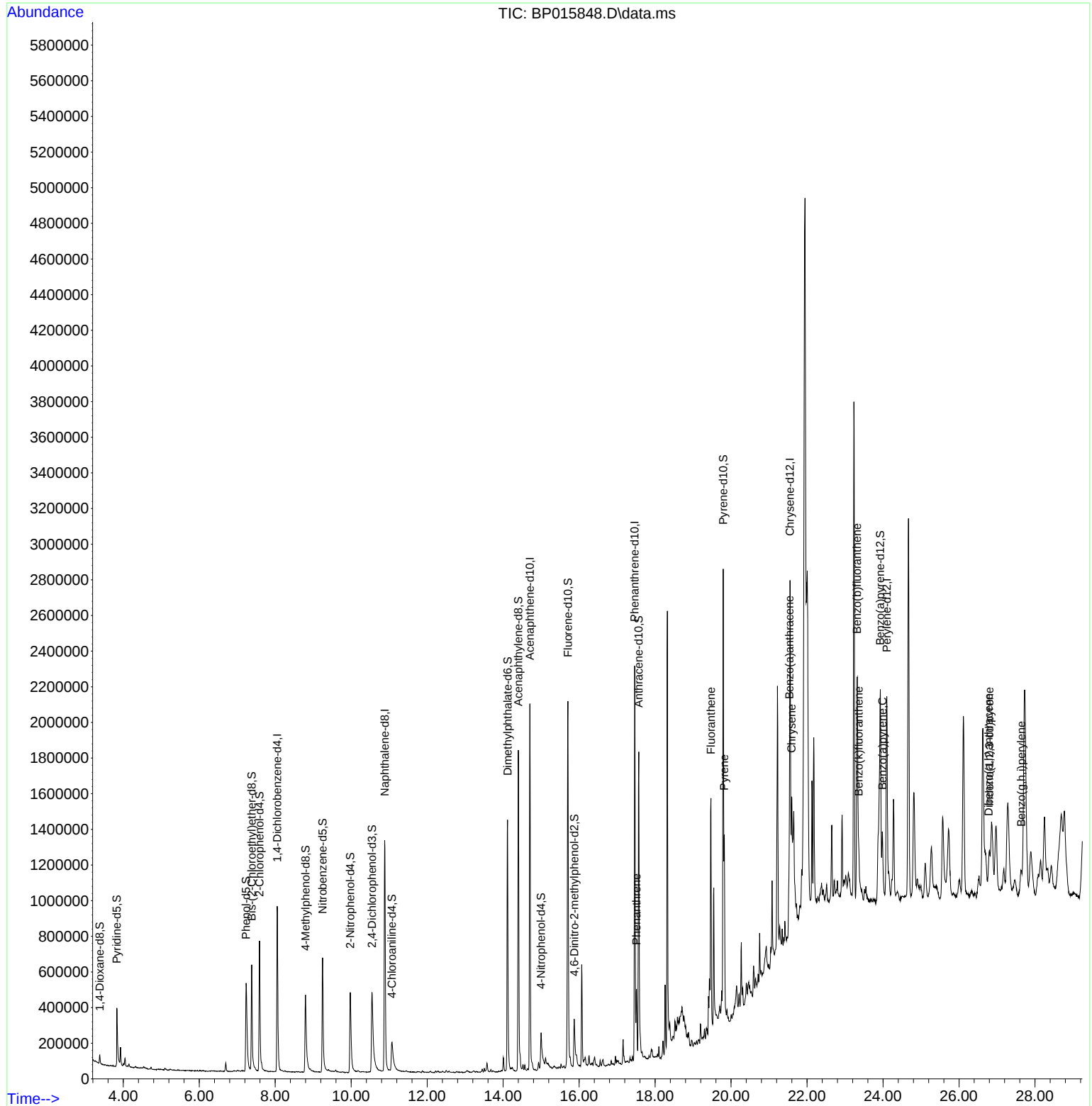
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015848.D  
 Acq On : 30 Jun 2023 17:23  
 Operator : MA/JU  
 Sample : 03161-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

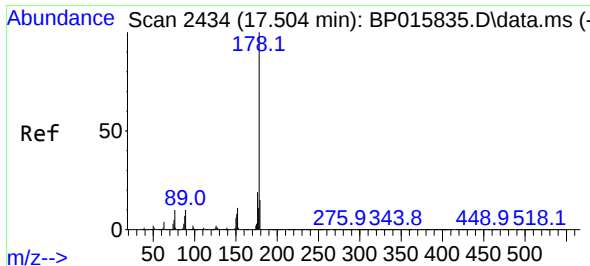
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW7

Quant Time: Jun 30 23:42:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023





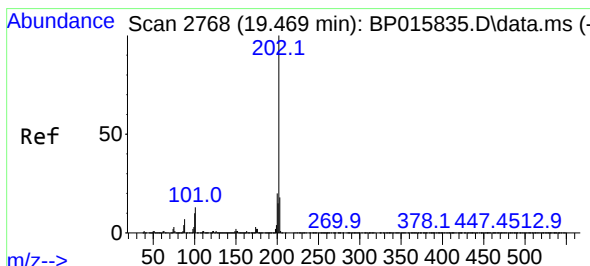
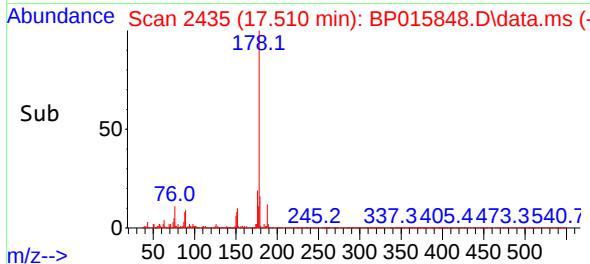
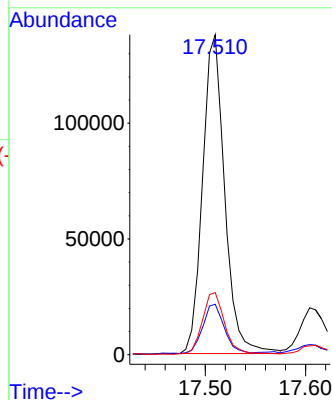
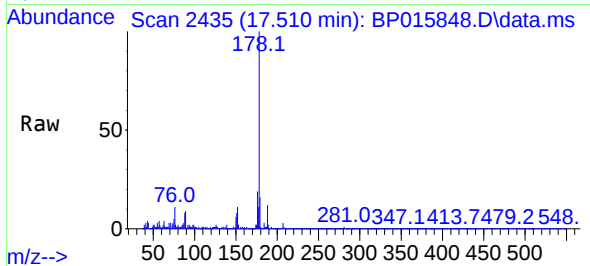
#72  
Phenanthrene  
Concen: 2.940 ng/ul  
RT: 17.510 min Scan# 2435  
Delta R.T. 0.006 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

Instrument :  
BNA\_P  
ClientSampleId :  
DCF7

Tgt Ion:178 Resp: 21172  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.4 18.6  
176 19.4 15.6 23.4

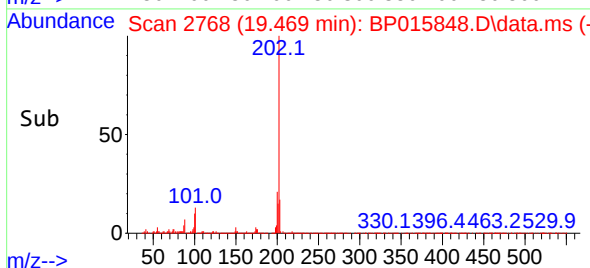
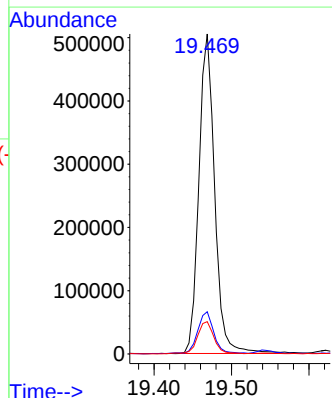
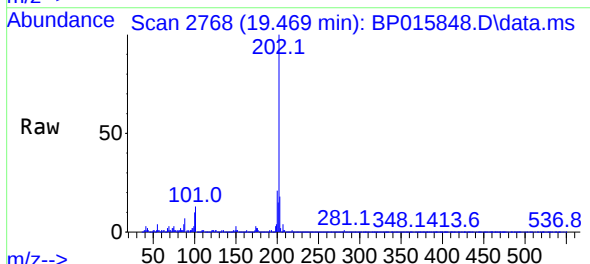
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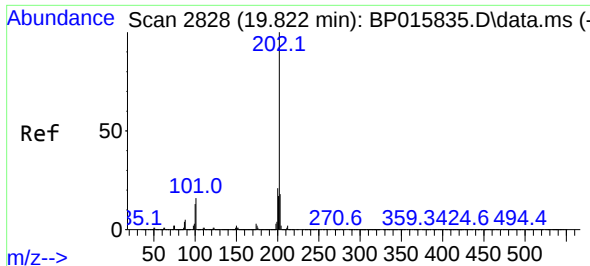
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#80  
Fluoranthene  
Concen: 10.676 ng/ul  
RT: 19.469 min Scan# 2768  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

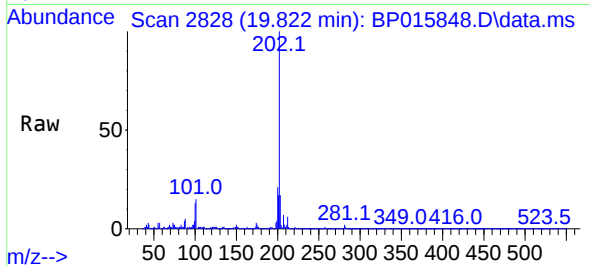
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Ion Ratio Lower Upper  
202 100  
101 13.2 8.3 12.5#  
100 10.1 6.6 9.8#





#82  
Pyrene  
Concen: 8.328 ng/ul  
RT: 19.822 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

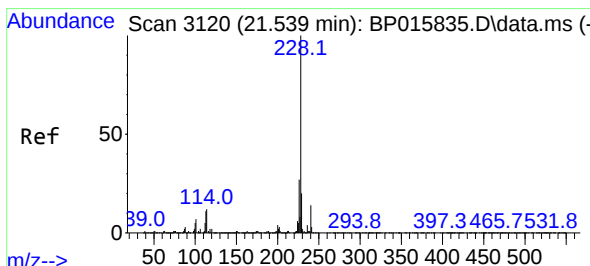
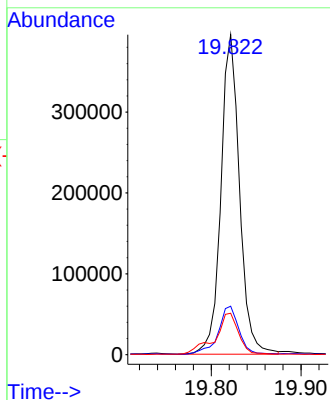
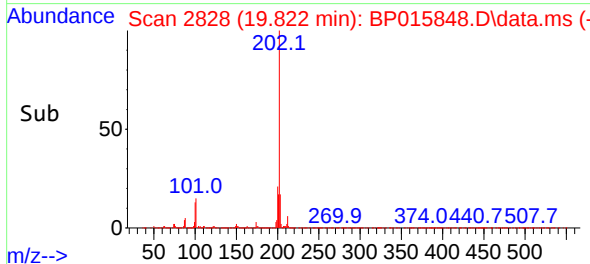
Instrument :  
BNA\_P  
ClientSampleId :  
DCF7



Tgt Ion:202 Resp: 569350  
Ion Ratio Lower Upper  
202 100  
101 15.2 9.3 13.9  
100 12.9 7.6 11.4

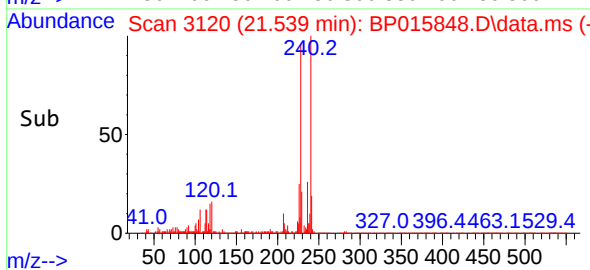
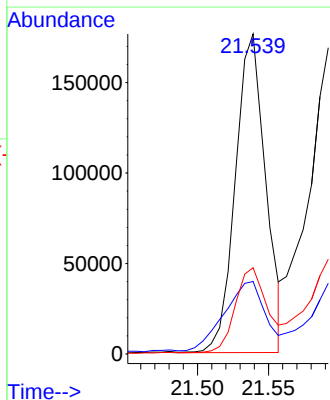
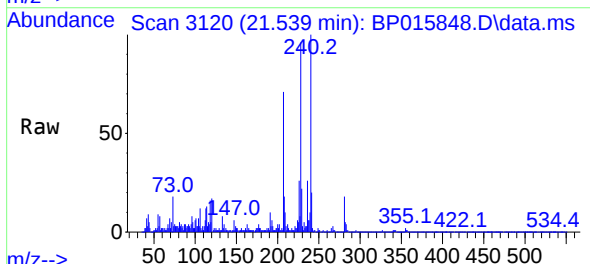
Manual Integrations  
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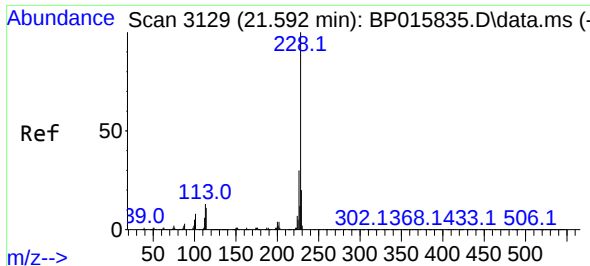
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#85  
Benzo(a)anthracene  
Concen: 4.497 ng/ul  
RT: 21.539 min Scan# 3120  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

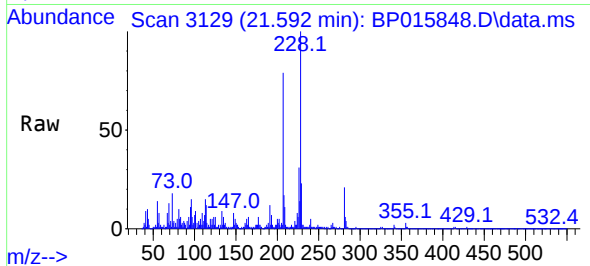
Tgt Ion:228 Resp: 261268  
Ion Ratio Lower Upper  
228 100  
229 22.7 15.3 22.9  
226 27.0 21.4 32.0





#87  
Chrysene  
Concen: 5.867 ng/ul  
RT: 21.592 min Scan# 3129  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

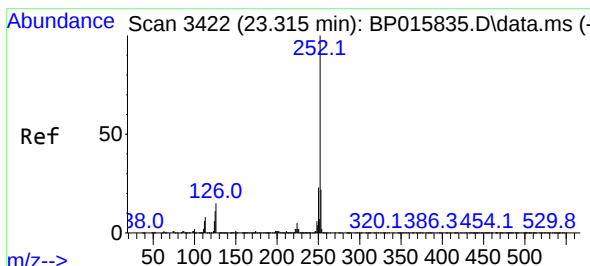
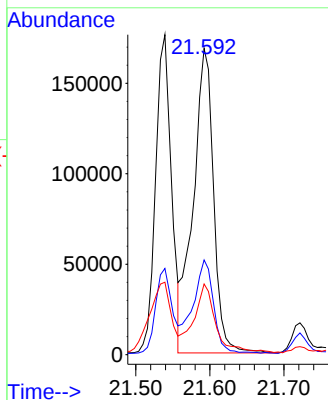
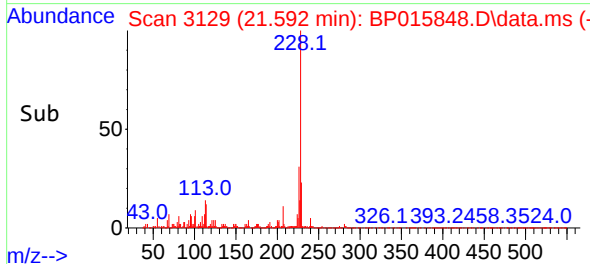
Instrument :  
BNA\_P  
ClientSampleId :  
DCF7



Tgt Ion:228 Resp: 32341  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.3 36.5  
229 23.1 15.5 23.3

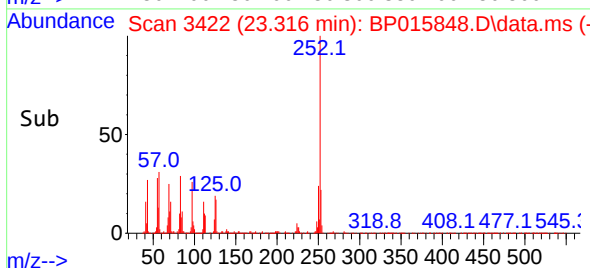
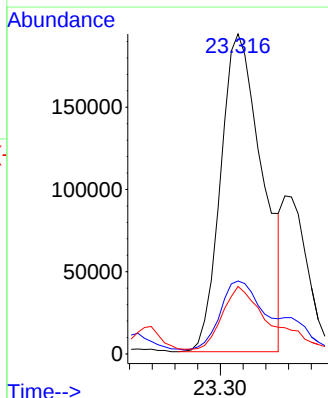
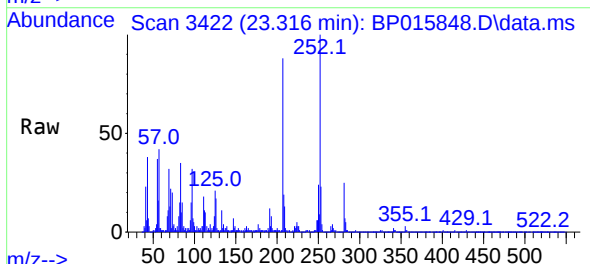
Manual Integrations  
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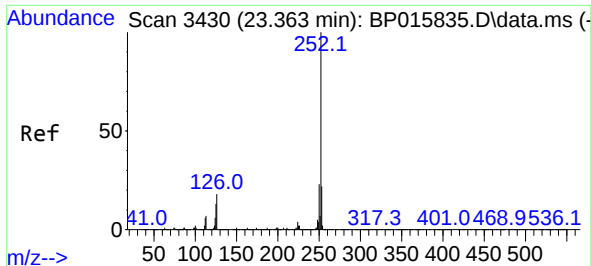
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#90  
Benzo(b)fluoranthene  
Concen: 8.314 ng/ul  
RT: 23.316 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

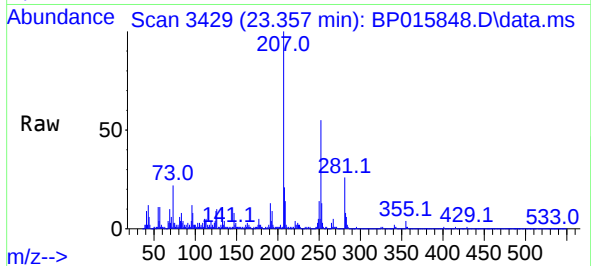
Tgt Ion:252 Resp: 493672  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.3 25.9  
125 21.1 7.5 11.3





#91  
Benzo(k)fluoranthene  
Concen: 2.476 ng/ul m  
RT: 23.357 min Scan# 3430  
Delta R.T. -0.006 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

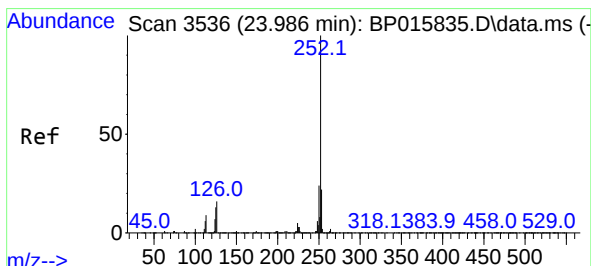
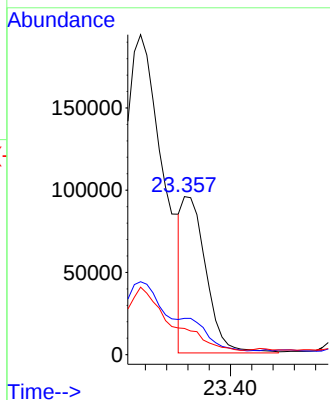
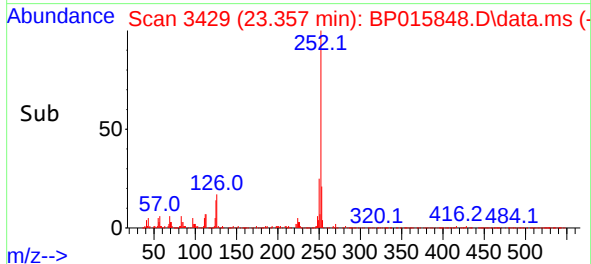
Instrument :  
BNA\_P  
ClientSampleId :  
DCF7



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Ion Ratio Lower Upper  
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253 23.0 17.0 25.4  
125 16.6 7.3 10.9

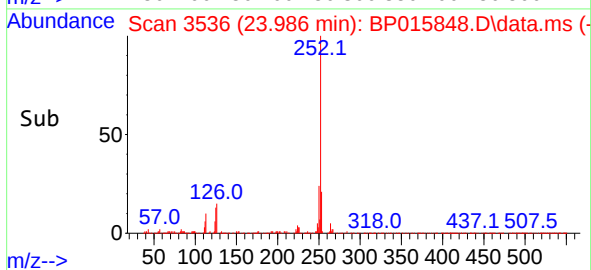
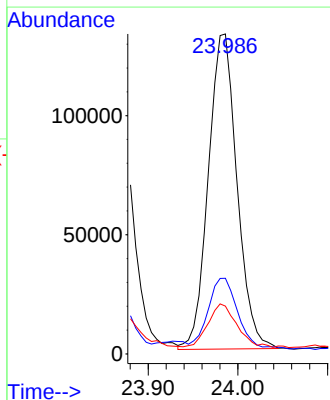
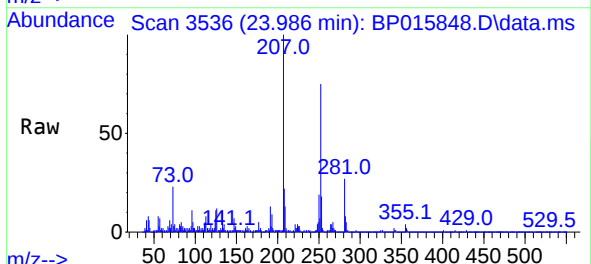
Manual Integrations  
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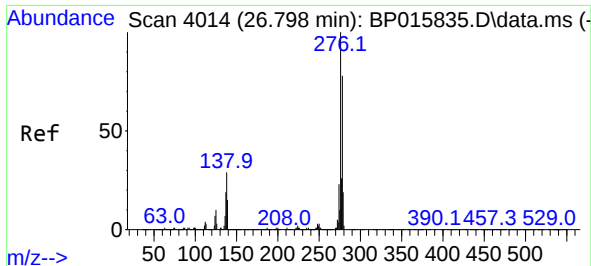
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#93  
Benzo(a)pyrene  
Concen: 5.662 ng/ul  
RT: 23.986 min Scan# 3536  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

Tgt Ion:252 Resp: 293742  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.7 26.5  
125 15.0 8.2 12.2





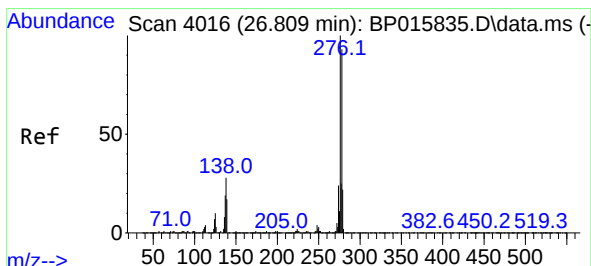
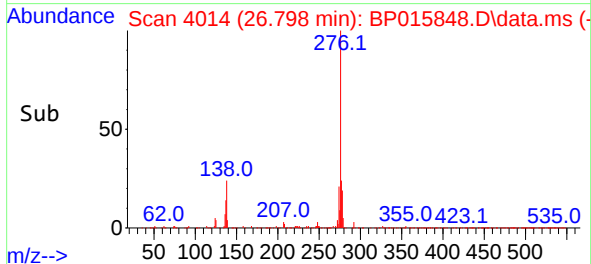
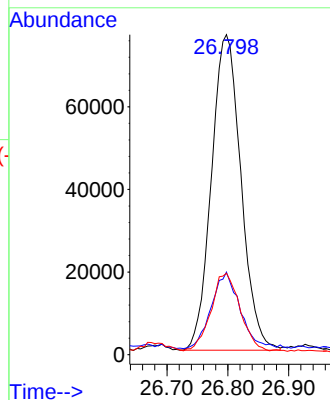
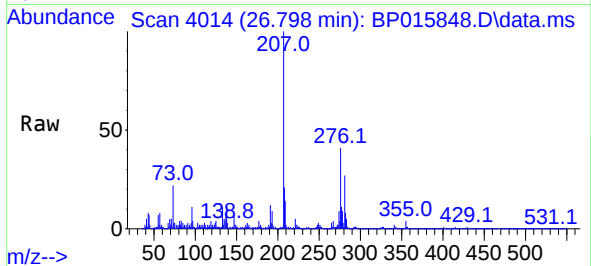
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.656 ng/ul  
RT: 26.798 min Scan# 4014  
Delta R.T. 0.000 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

Instrument :  
BNA\_P  
ClientSampleId :  
DCF7

Tgt Ion:276 Resp: 257508  
Ion Ratio Lower Upper  
276 100  
138 25.8 15.7 23.5  
277 25.4 19.6 29.4

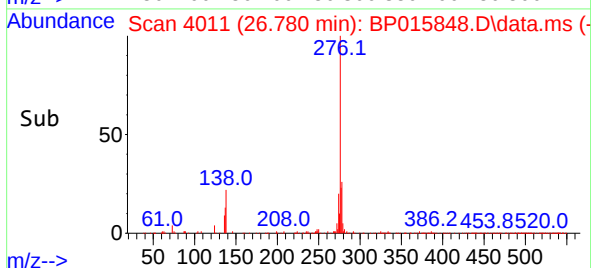
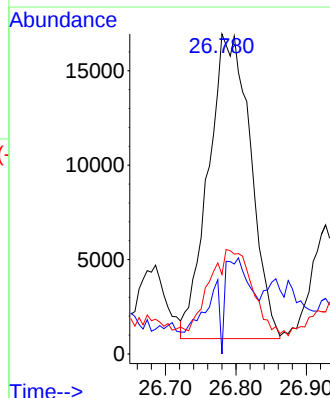
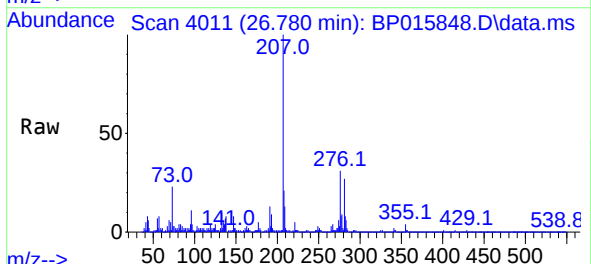
Manual Integrations  
APPROVED

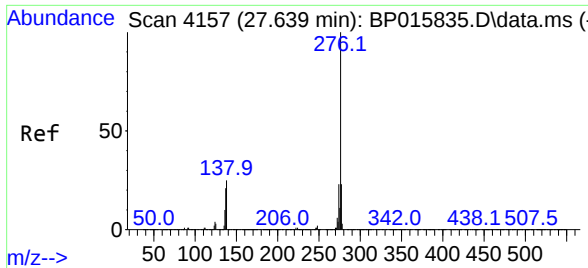
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#95  
Dibenzo(a,h)anthracene  
Concen: 1.159 ng/ul m  
RT: 26.780 min Scan# 4011  
Delta R.T. -0.029 min  
Lab File: BP015848.D  
Acq: 30 Jun 2023 17:23

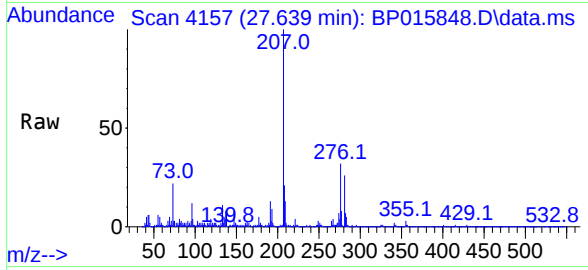
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Ion Ratio Lower Upper  
278 100  
139 0.0 10.5 15.7#  
279 24.9 18.4 27.6





#96  
 Benzo(g,h,i)perylene  
 Concen: 3.930 ng/ul  
 RT: 27.639 min Scan# 4157  
 Delta R.T. 0.000 min  
 Lab File: BP015848.D  
 Acq: 30 Jun 2023 17:23

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW7



Tgt Ion:276 Resp: 22772  
 Ion Ratio Lower Upper  
 276 100  
 138 25.3 15.1 22.7  
 277 24.9 18.8 28.2

Manual Integrations  
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 Supervised By :mohammad ahmed 07/01/2023

