

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015839.D  
 Acq On : 30 Jun 2023 12:16  
 Operator : MA/JU  
 Sample : 03161-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW1

Manual Integrations  
 APPROVED

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

Quant Time: Jun 30 22:46:10 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  | 284153   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 1220764  | 20.000 | ng/u1  | # 0.01   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 697941   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.463 | 188  | 1307990  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.551 | 240  | 847326   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.092 | 264  | 972671   | 20.000 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 19427    | 2.460  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.828  | 84   | 194396   | 9.764  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.240  | 99   | 339937   | 13.982 | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 246028   | 16.356 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 284555   | 15.505 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.799  | 113  | 213153   | 11.098 | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 9.252  | 128  | 133905   | 14.353 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 147240   | 13.522 | ng/u1  | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.557 | 165  | 231344   | 11.923 | ng/u1  | 0.04     |
| 31) 4-Chloroaniline-d4        | 11.081 | 131  | 156777   | 6.290  | ng/u1  | 0.05     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 810572   | 15.026 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.398 | 160  | 925514   | 15.262 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.010 | 143  | 55663m   | 7.819  | ng/u1  | 0.06     |
| 60) Fluorene-d10              | 15.704 | 176  | 663630   | 14.940 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.881 | 200  | 53874m   | 6.697  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.569 | 188  | 902730   | 15.109 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 929195   | 16.794 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 773664   | 15.768 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 407971   | 5.741  | ng/u1  | 100      |
| 74) Anthracene                | 17.610 | 178  | 86717    | 1.215  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.469 | 202  | 1155386  | 16.803 | ng/u1# | 95       |
| 82) Pyrene                    | 19.822 | 202  | 918845   | 13.100 | ng/u1# | 91       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 439212   | 7.369  | ng/u1  | 97       |
| 87) Chrysene                  | 21.592 | 228  | 515278   | 9.112  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 769935   | 12.319 | ng/u1# | 93       |
| 91) Benzo(k)fluoranthene      | 23.357 | 252  | 273221m  | 4.327  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.980 | 252  | 499298   | 9.143  | ng/u1# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.786 | 276  | 420377   | 5.670  | ng/u1# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.786 | 278  | 107057   | 1.758  | ng/u1# | 75       |
| 96) Benzo(g,h,i)perylene      | 27.633 | 276  | 369429   | 6.057  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

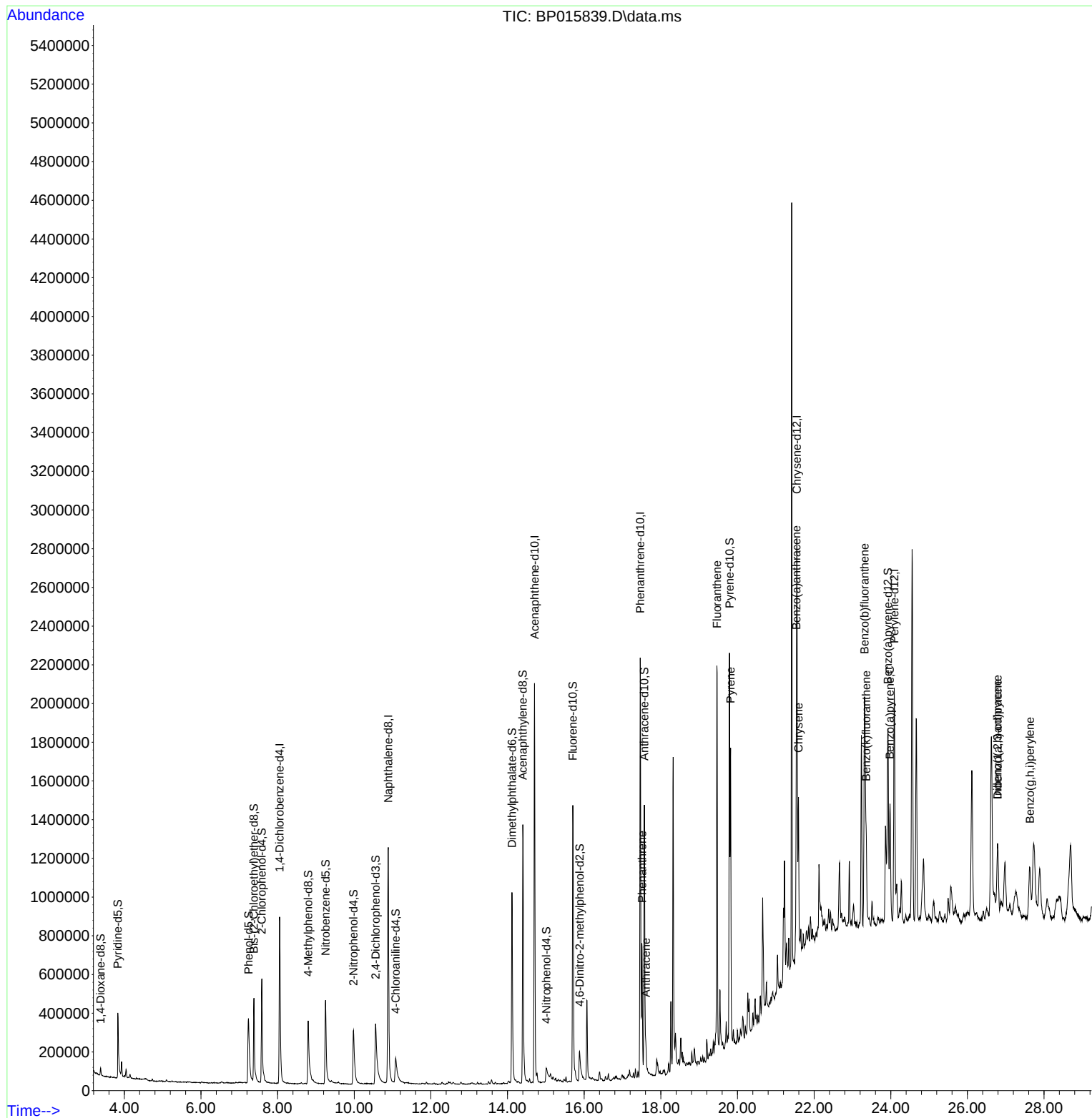
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
Data File : BP015839.D  
Acq On : 30 Jun 2023 12:16  
Operator : MA/JU  
Sample : 03161-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

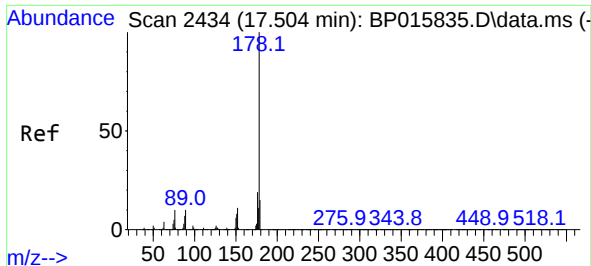
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1

Quant Time: Jun 30 22:46:10 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

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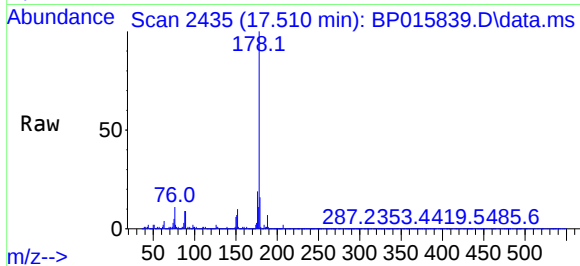
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023





#72  
Phenanthrene  
Concen: 5.741 ng/ul  
RT: 17.510 min Scan# 2435  
Delta R.T. 0.006 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

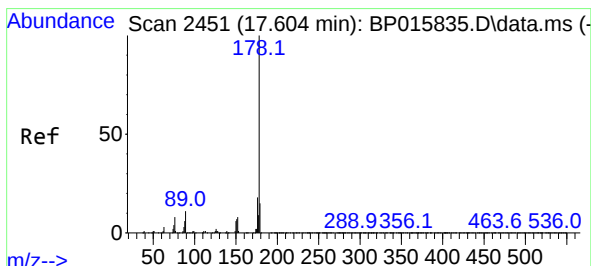
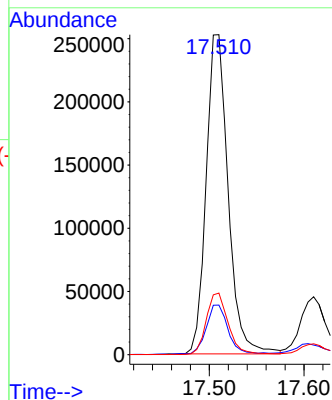
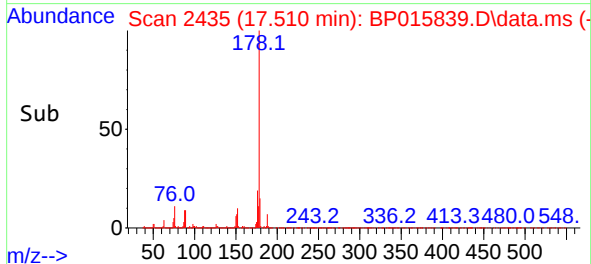
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1



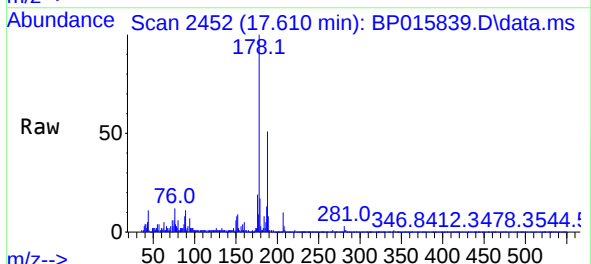
Tgt Ion:178 Resp: 40797  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.4 18.6  
176 19.3 15.6 23.4

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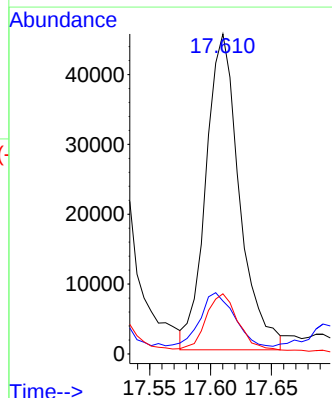
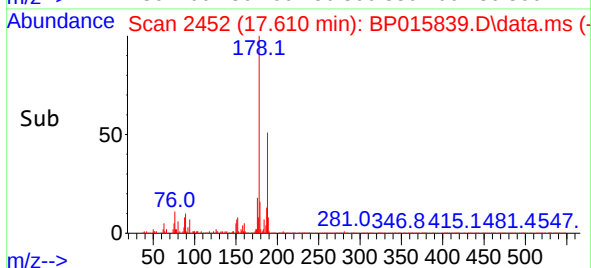
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023

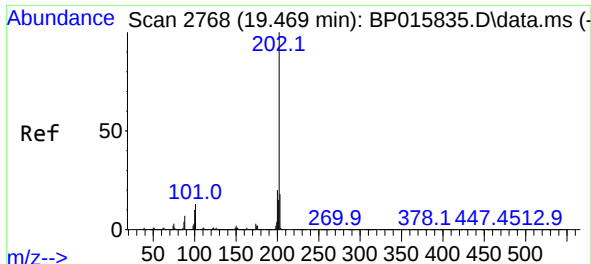


#74  
Anthracene  
Concen: 1.215 ng/ul  
RT: 17.610 min Scan# 2452  
Delta R.T. 0.006 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16



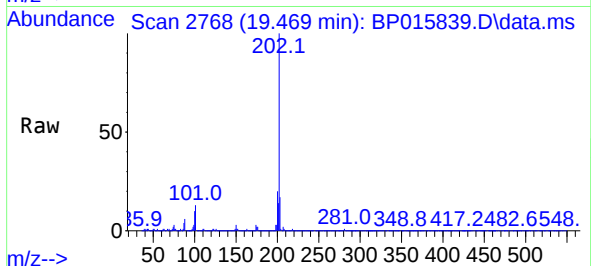
Tgt Ion:178 Resp: 86717  
Ion Ratio Lower Upper  
178 100  
179 16.6 12.1 18.1  
176 18.8 14.6 22.0





#80  
Fluoranthene  
Concen: 16.803 ng/u1  
RT: 19.469 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

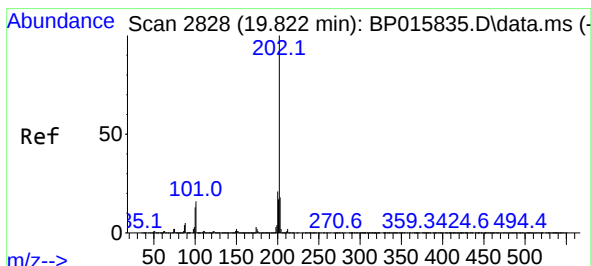
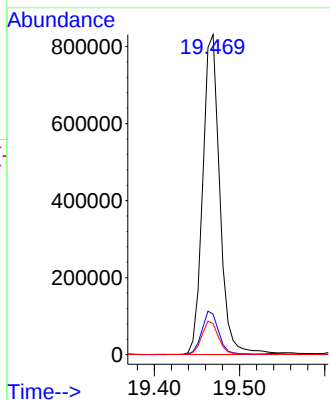
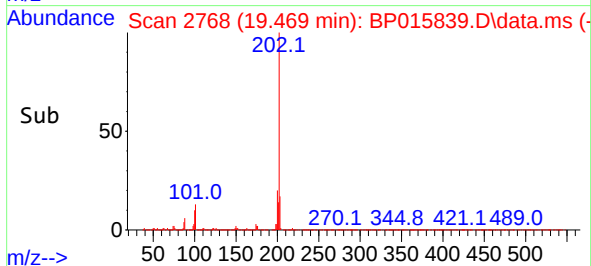
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1



Tgt Ion:202 Resp: 115538  
Ion Ratio Lower Upper  
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101 12.6 8.3 12.5  
100 9.7 6.6 9.8

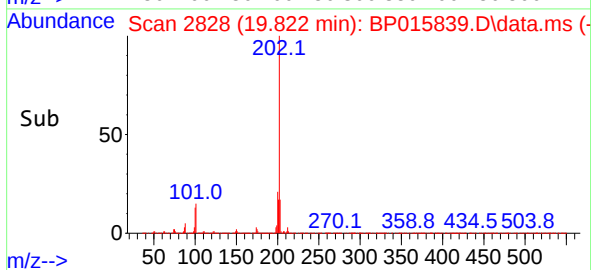
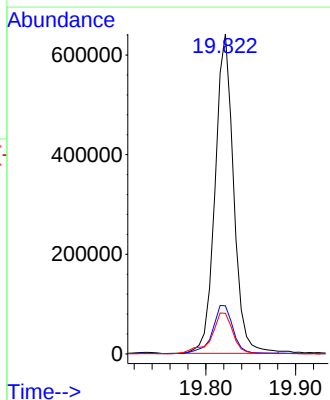
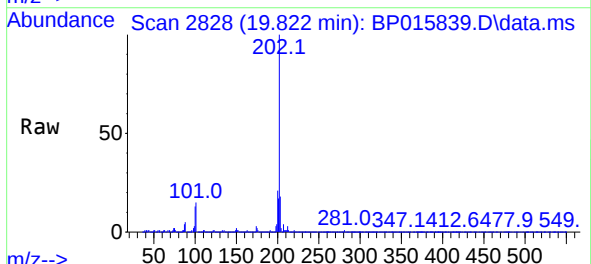
Manual Integrations  
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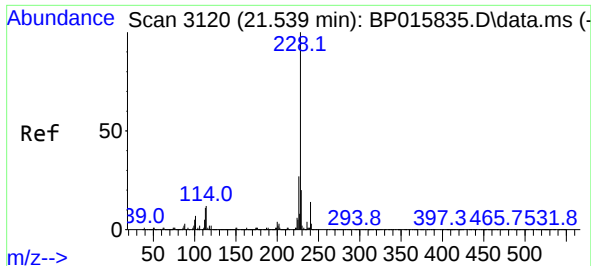
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



#82  
Pyrene  
Concen: 13.100 ng/u1  
RT: 19.822 min Scan# 2828  
Delta R.T. 0.000 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

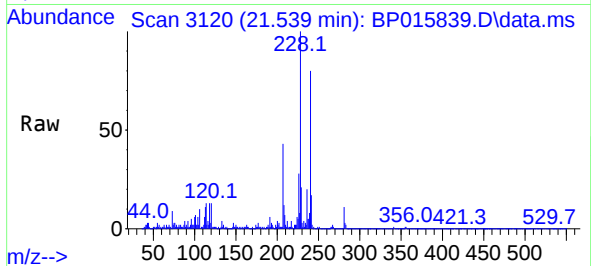
Tgt Ion:202 Resp: 918845  
Ion Ratio Lower Upper  
202 100  
101 15.1 9.3 13.9#  
100 12.7 7.6 11.4#





#85  
Benzo(a)anthracene  
Concen: 7.369 ng/ul  
RT: 21.539 min Scan# 3120  
Delta R.T. 0.000 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

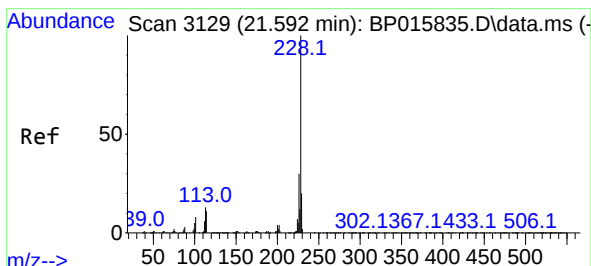
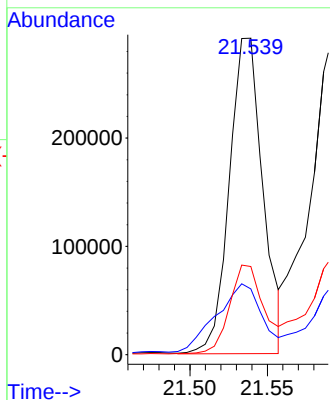
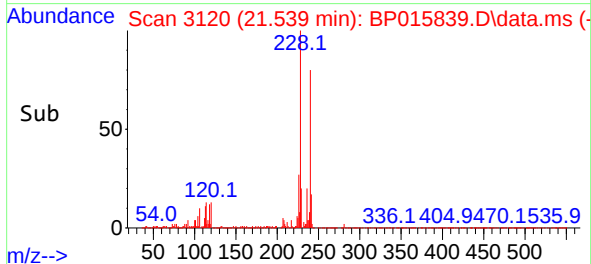
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1



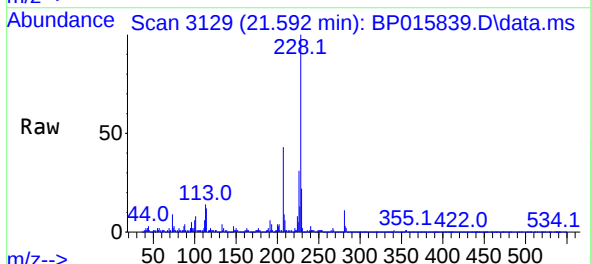
Tgt Ion:228 Resp: 439212  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.3 22.9  
226 27.8 21.4 32.0

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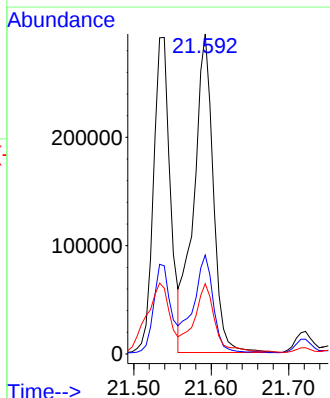
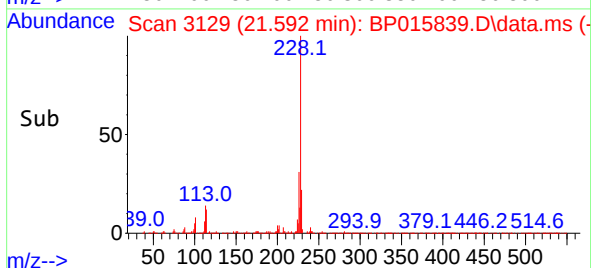
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023

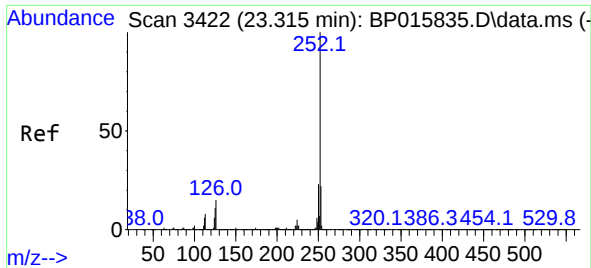


#87  
Chrysene  
Concen: 9.112 ng/ul  
RT: 21.592 min Scan# 3129  
Delta R.T. 0.000 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16



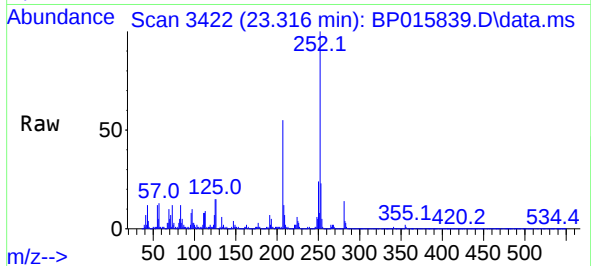
Tgt Ion:228 Resp: 515278  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.3 36.5  
229 22.0 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 12.319 ng/u1  
RT: 23.316 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

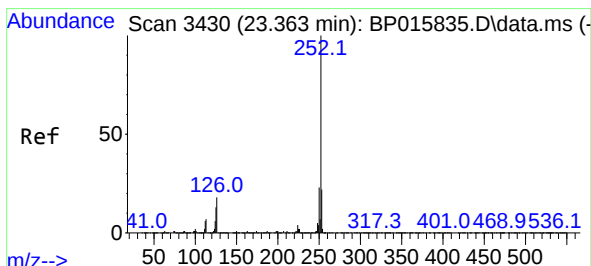
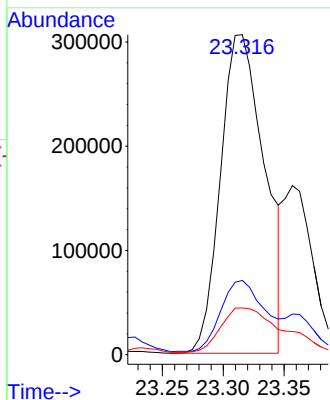
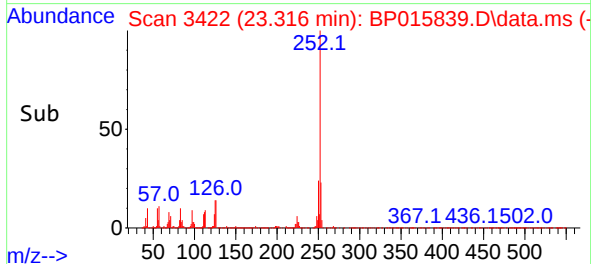
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1



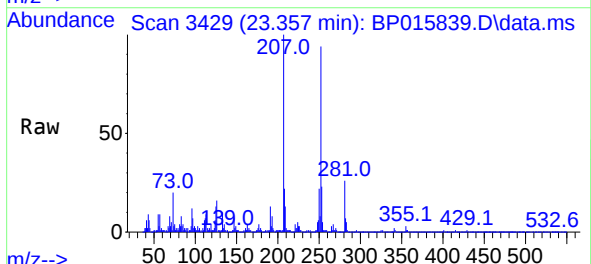
Tgt Ion:252 Resp: 769935  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.3 25.9  
125 14.6 7.5 11.3

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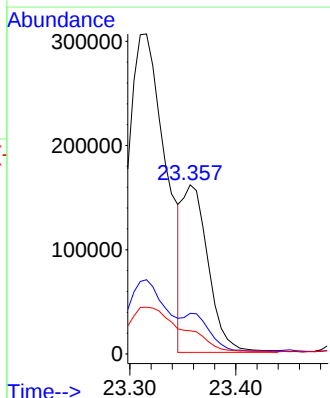
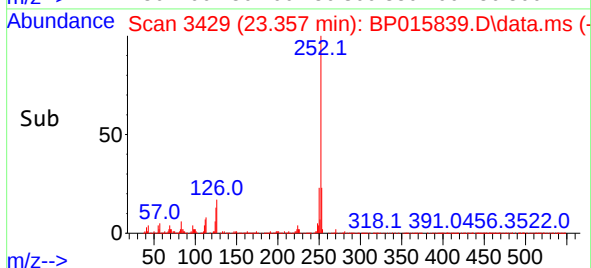
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023

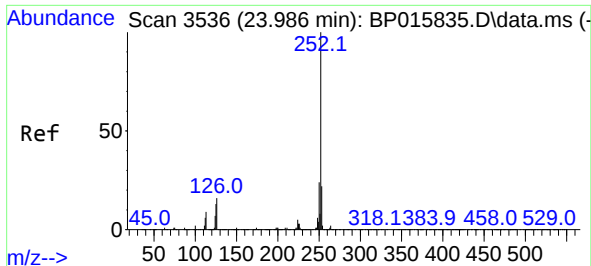


#91  
Benzo(k)fluoranthene  
Concen: 4.327 ng/u1 m  
RT: 23.357 min Scan# 3429  
Delta R.T. -0.006 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16



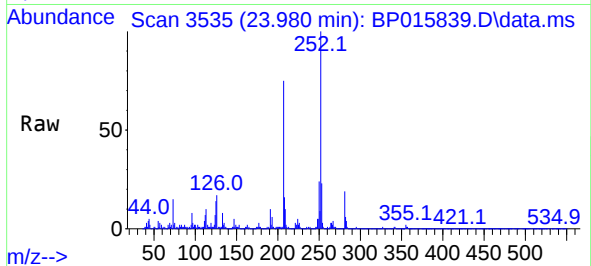
Tgt Ion:252 Resp: 273221  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.0 25.4  
125 13.7 7.3 10.9





#93  
Benzo(a)pyrene  
Concen: 9.143 ng/u1  
RT: 23.980 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

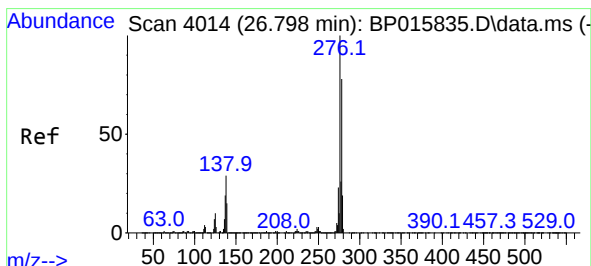
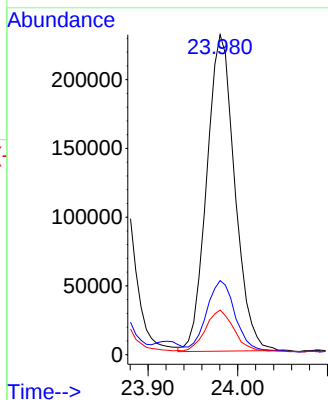
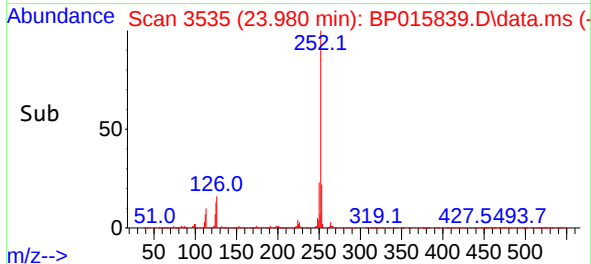
Instrument :  
BNA\_P  
ClientSampleId :  
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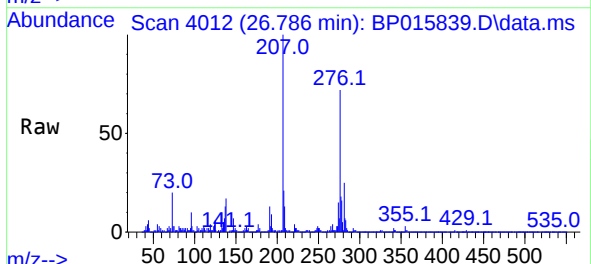
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Ion Ratio Lower Upper  
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253 23.2 17.7 26.5  
125 13.9 8.2 12.2

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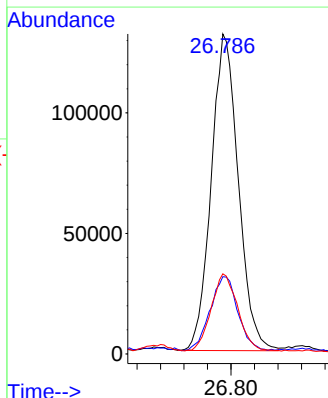
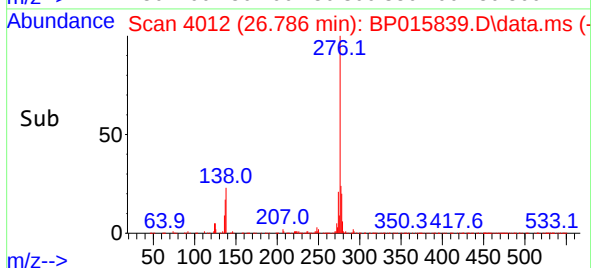
Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023

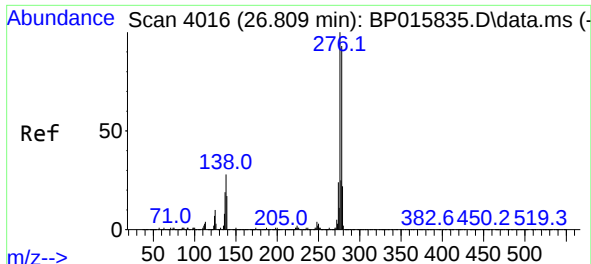


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 5.670 ng/u1  
RT: 26.786 min Scan# 4012  
Delta R.T. -0.012 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16



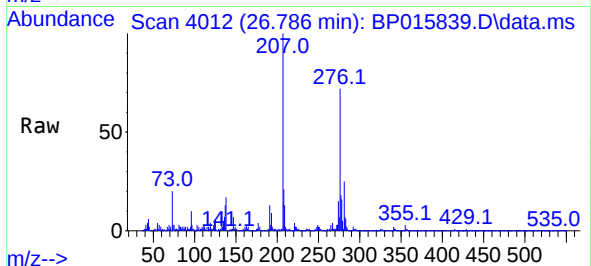
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Ion Ratio Lower Upper  
276 100  
138 24.1 15.7 23.5#  
277 25.1 19.6 29.4





#95  
Dibenzo(a,h)anthracene  
Concen: 1.758 ng/ul  
RT: 26.786 min Scan# 4016  
Delta R.T. -0.023 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

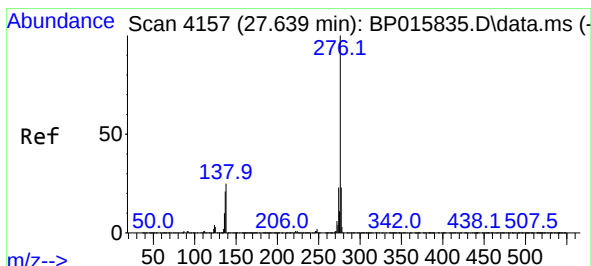
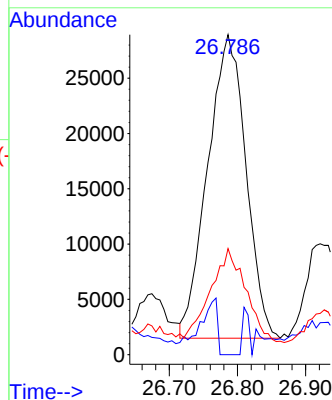
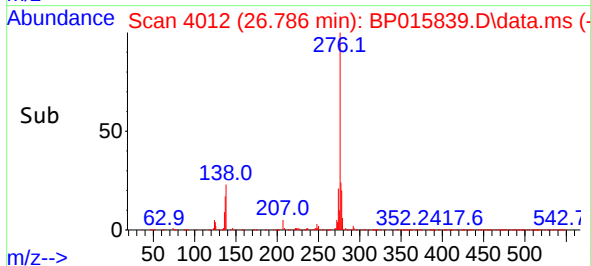
Instrument :  
BNA\_P  
ClientSampleId :  
DCFW1



Tgt Ion:278 Resp: 10705  
Ion Ratio Lower Upper  
278 100  
139 0.0 10.5 15.7  
279 33.1 18.4 27.6

Manual Integrations  
APPROVED

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



#96  
Benzo(g,h,i)perylene  
Concen: 6.057 ng/ul  
RT: 27.633 min Scan# 4156  
Delta R.T. -0.006 min  
Lab File: BP015839.D  
Acq: 30 Jun 2023 12:16

Tgt Ion:276 Resp: 369429  
Ion Ratio Lower Upper  
276 100  
138 24.8 15.1 22.7  
277 25.3 18.8 28.2

