

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015678.D  
 Acq On : 23 Jun 2023 18:53  
 Operator : MA/JU  
 Sample : 03084-08  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFM5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023  
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 24 00:04:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 166354   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.904 | 136  | 635209   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 328792   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 585291   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.580 | 240  | 592343   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 741288   | 20.000 | ng/ul  | 0.01     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.399  | 96   | 11145    | 2.481  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.246  | 99   | 219407   | 14.316 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 145201   | 15.864 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.605  | 132  | 184390   | 16.595 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.805  | 113  | 126007   | 10.018 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 87382    | 17.522 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143  | 100598   | 17.664 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 154798   | 14.900 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 11.081 | 131  | 47292m   | 3.171  | ng/ul  | 0.03     |
| 46) Dimethylphthalate-d6      | 14.134 | 166  | 481950   | 18.589 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.422 | 160  | 539562   | 19.032 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.981 | 143  | 43725m   | 9.417  | ng/ul  | 0.03     |
| 60) Fluorene-d10              | 15.722 | 176  | 367363   | 16.802 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 43160m   | 11.640 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.592 | 188  | 462116   | 17.353 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.822 | 212  | 594018   | 18.737 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 682961   | 18.362 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 80) Fluoranthene              | 19.492 | 202  | 66875    | 1.732  | ng/ul# | 94       |
| 82) Pyrene                    | 19.845 | 202  | 63116    | 1.580  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.569 | 228  | 41696    | 1.007  | ng/ul# | 89       |
| 87) Chrysene                  | 21.622 | 228  | 52714    | 1.347  | ng/ul# | 93       |
| 90) Benzo(b)fluoranthene      | 23.357 | 252  | 82511    | 1.724  | ng/ul# | 83       |
| 93) Benzo(a)pyrene            | 24.027 | 252  | 48936    | 1.173  | ng/ul# | 88       |
| 96) Benzo(g,h,i)perylene      | 27.698 | 276  | 47500    | 1.068  | ng/ul  | 97       |
| -----                         |        |      |          |        |        |          |

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

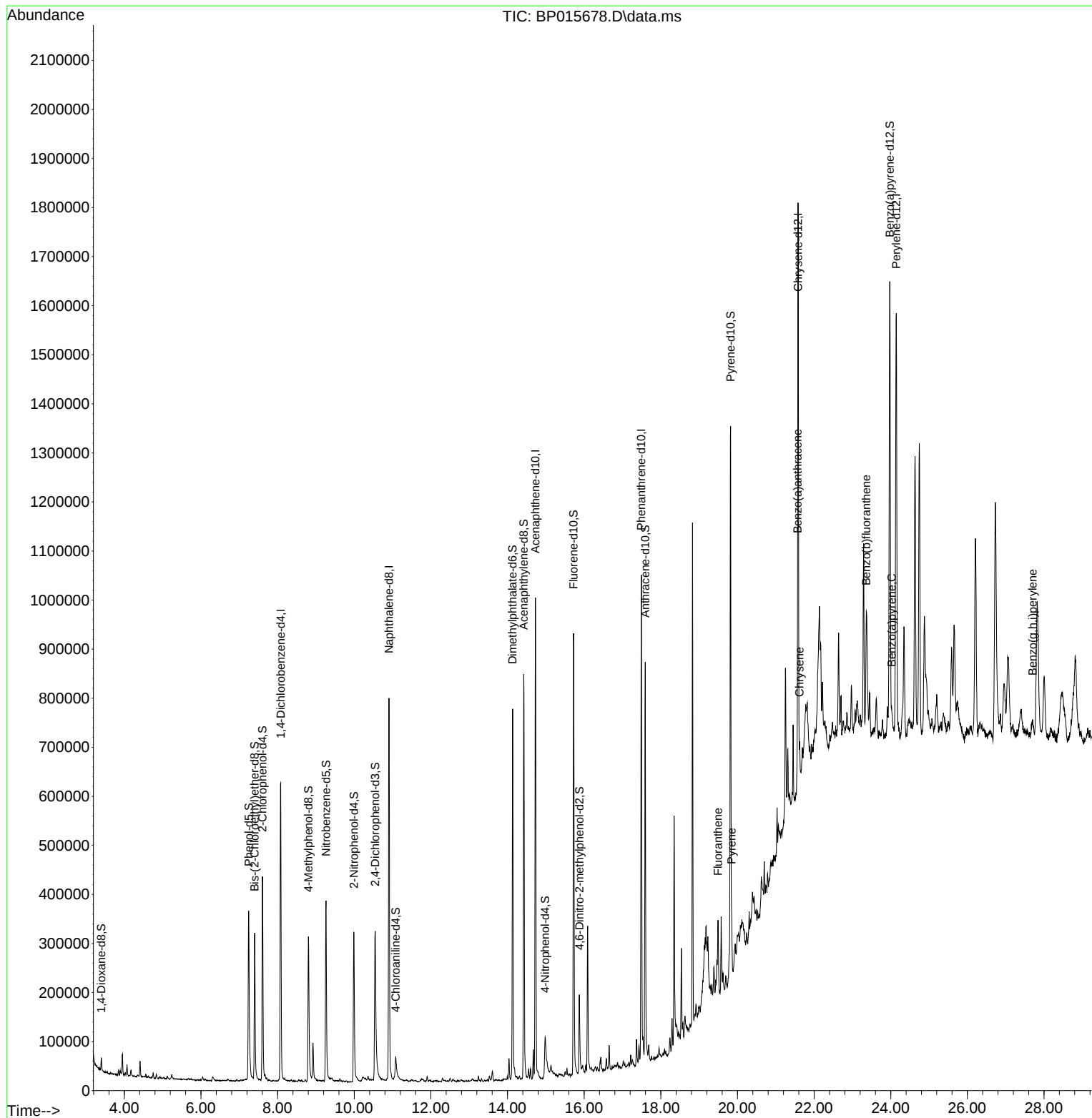
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
Data File : BP015678.D  
Acq On : 23 Jun 2023 18:53  
Operator : MA/JU  
Sample : 03084-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

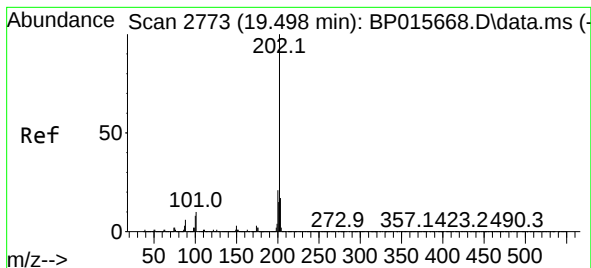
Instrument :  
BNA\_P  
ClientSampleId :  
DCFM5

Quant Time: Jun 24 00:04:35 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 22:01:49 2023  
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Supervised By :mohammad ahmed 06/27/2023





#80

Fluoranthene

Concen: 1.732 ng/ul

RT: 19.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015678.D

Acq: 23 Jun 2023 18:53

Instrument :

BNA\_P

ClientSampleId :

DCFM5

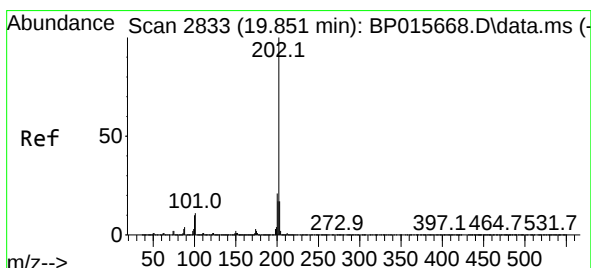
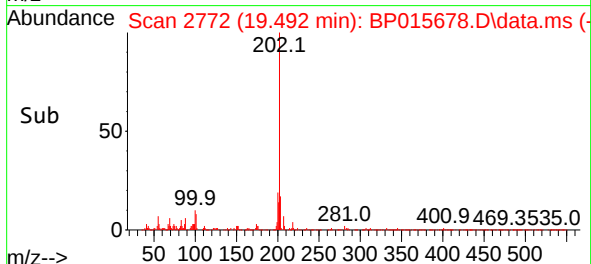
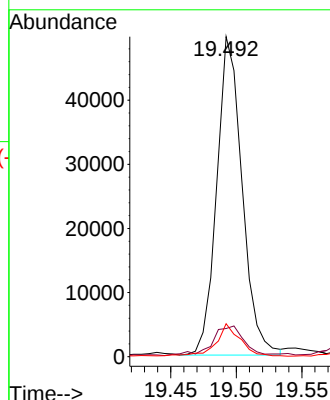
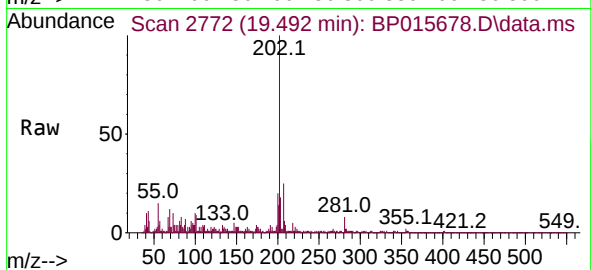
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 6687 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 8.8   | 8.6   | 13.0 |
| 100       | 10.3  | 6.6   | 9.8  |

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#82

Pyrene

Concen: 1.580 ng/ul

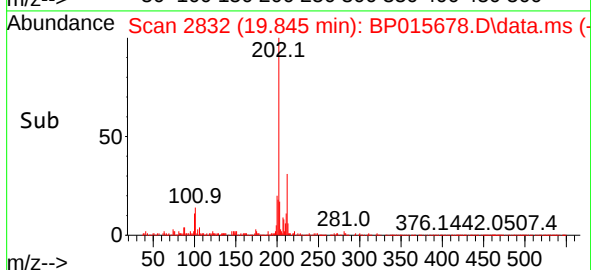
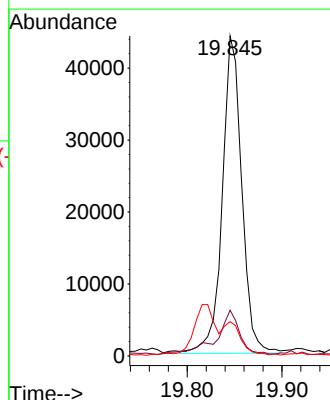
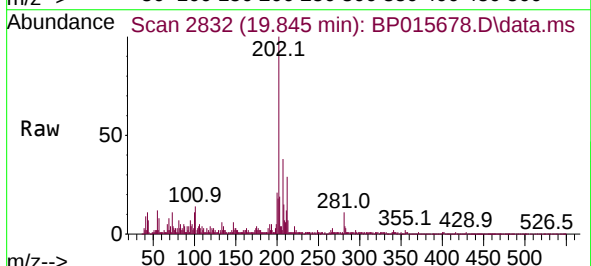
RT: 19.845 min Scan# 2832

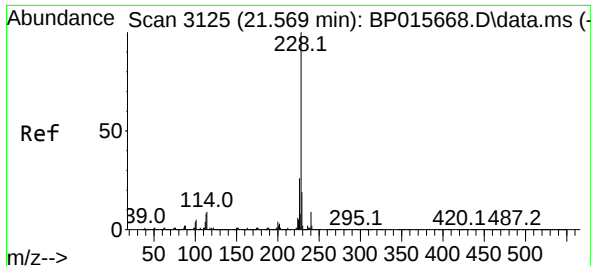
Delta R.T. 0.000 min

Lab File: BP015678.D

Acq: 23 Jun 2023 18:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 63116 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.3  | 9.9   | 14.9  |
| 100       | 10.7  | 8.4   | 12.6  |





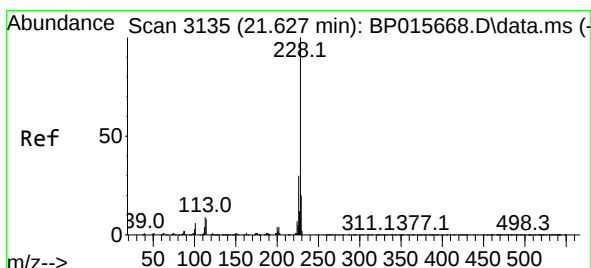
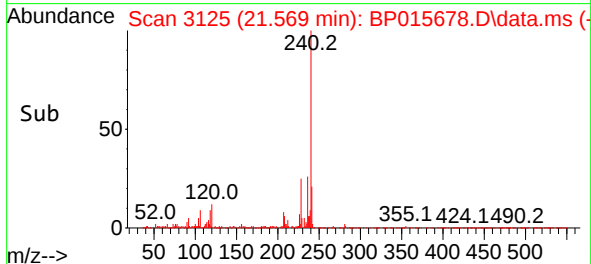
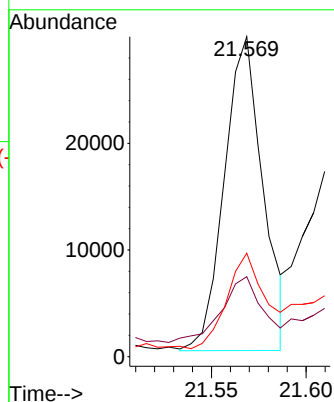
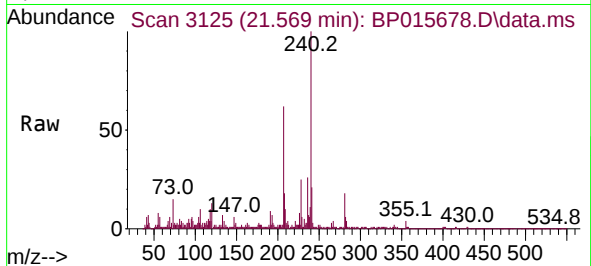
#85  
Benzo(a)anthracene  
Concen: 1.007 ng/u1  
RT: 21.569 min Scan# 3125  
Delta R.T. 0.006 min  
Lab File: BP015678.D  
Acq: 23 Jun 2023 18:53

Instrument :  
BNA\_P  
ClientSampleId :  
DCFM5

Tgt Ion:228 Resp: 41690  
Ion Ratio Lower Upper  
228 100  
229 25.0 15.8 23.6  
226 32.4 21.8 32.6

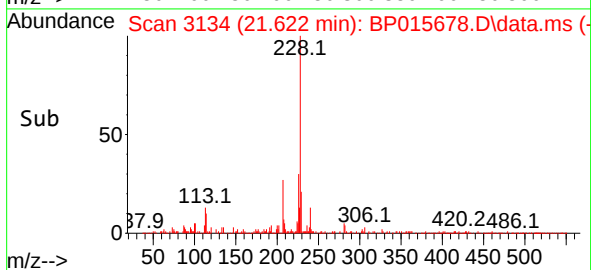
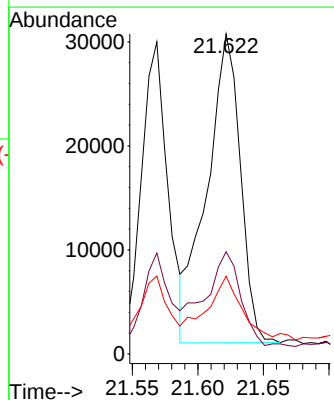
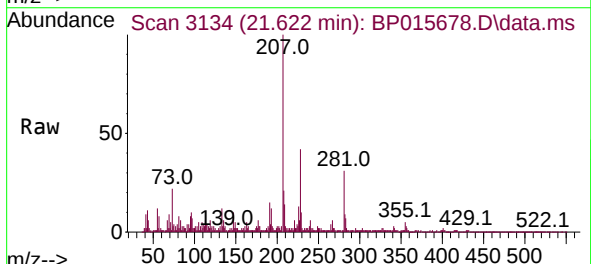
Manual Integrations  
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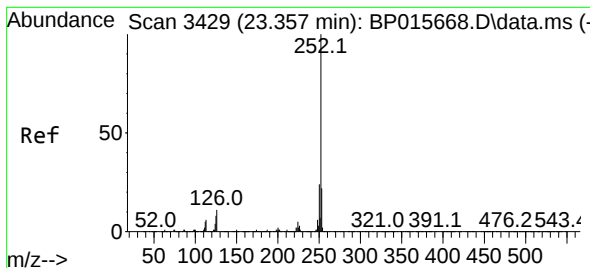
Reviewed By :Yogesh Patel 06/26/2023  
Supervised By :mohammad ahmed 06/27/2023



#87  
Chrysene  
Concen: 1.347 ng/u1  
RT: 21.622 min Scan# 3134  
Delta R.T. 0.000 min  
Lab File: BP015678.D  
Acq: 23 Jun 2023 18:53

Tgt Ion:228 Resp: 52714  
Ion Ratio Lower Upper  
228 100  
226 31.9 23.9 35.9  
229 24.3 15.1 22.7#





#90

Benzo(b)fluoranthene

Concen: 1.724 ng/ul

RT: 23.357 min Scan# 3429

Delta R.T. 0.012 min

Lab File: BP015678.D

Acq: 23 Jun 2023 18:53

Instrument :

BNA\_P

ClientSampleId :

DCFM5

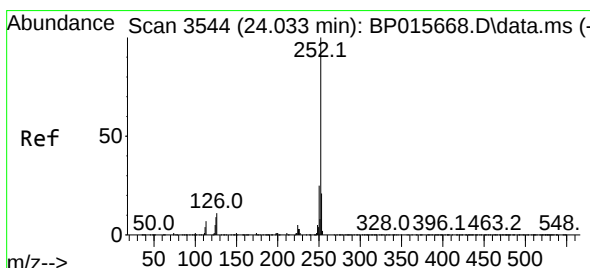
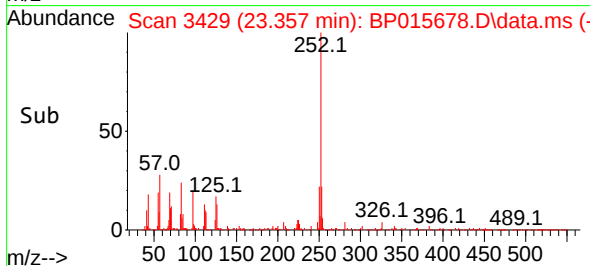
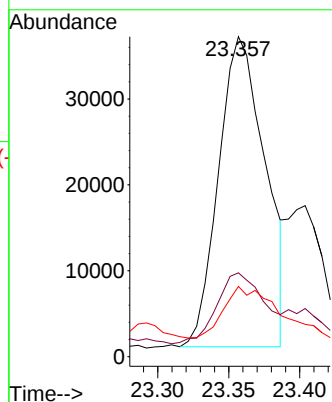
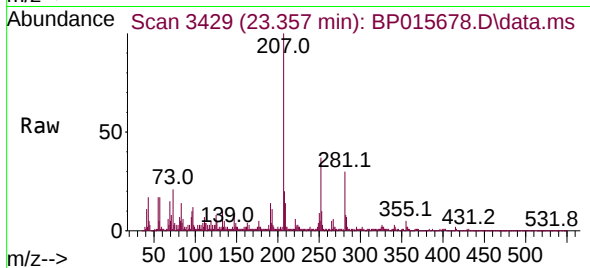
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8251 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 26.2  | 17.4  | 26.2 |
| 125       | 21.9  | 7.3   | 10.9 |

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#93

Benzo(a)pyrene

Concen: 1.173 ng/ul

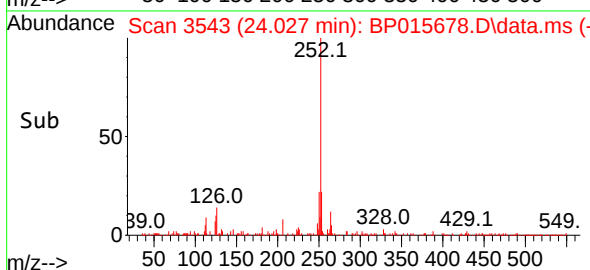
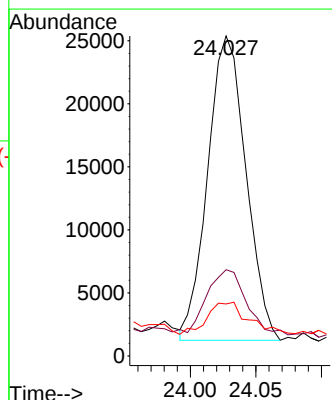
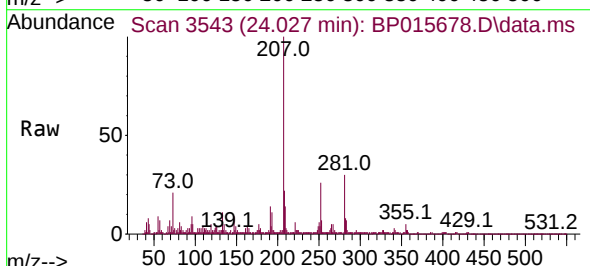
RT: 24.027 min Scan# 3543

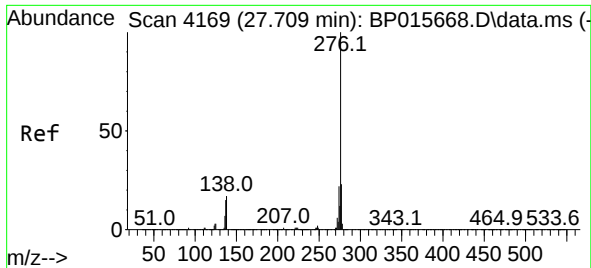
Delta R.T. 0.006 min

Lab File: BP015678.D

Acq: 23 Jun 2023 18:53

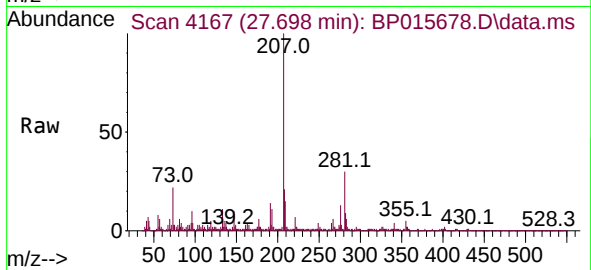
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 48936 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.9  | 17.8  | 26.6  |
| 125       | 16.2  | 8.1   | 12.1  |





#96  
 Benzo(g,h,i)perylene  
 Concen: 1.068 ng/ul  
 RT: 27.698 min Scan# 4167  
 Delta R.T. 0.018 min  
 Lab File: BP015678.D  
 Acq: 23 Jun 2023 18:53

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFM5



Tgt Ion:276 Resp: 47500  
 Ion Ratio Lower Upper  
 276 100  
 138 18.8 15.6 23.4  
 277 25.9 19.0 28.6

Manual Integrations  
 APPROVED

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 Supervised By :mohammad ahmed 06/27/2023

