

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
 Data File : BP015804.D  
 Acq On : 29 Jun 2023 11:15  
 Operator : MA/JU  
 Sample : 03143-10  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023  
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 22:57:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 29 02:30:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.058  | 152  | 227801   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 942710   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.710 | 164  | 530746   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1076997  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.557 | 240  | 903518   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.104 | 264  | 1032201  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 23066    | 3.643  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.852  | 84   | 36491m   | 2.286  | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 7.240  | 99   | 332965   | 17.083 | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 264250   | 21.914 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 294119   | 19.990 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.805  | 113  | 142568   | 9.259  | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 9.252  | 128  | 138935   | 19.284 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 150958   | 17.953 | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.563 | 165  | 223496   | 14.916 | ng/u1  | 0.05     |
| 31) 4-Chloroaniline-d4        | 11.099 | 131  | 90652m   | 4.710  | ng/u1  | 0.06     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 853594   | 20.808 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.404 | 160  | 984458   | 21.348 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.010 | 143  | 52739m   | 9.742  | ng/u1  | 0.06     |
| 60) Fluorene-d10              | 15.710 | 176  | 707200   | 20.937 | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 64315    | 9.710  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.569 | 188  | 1029386  | 20.925 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1196288  | 20.277 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.933 | 264  | 1106737  | 21.255 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 76021    | 1.299  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.475 | 202  | 152475   | 2.080  | ng/u1# | 94       |
| 82) Pyrene                    | 19.827 | 202  | 125203   | 1.674  | ng/u1# | 91       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 70913    | 1.116  | ng/u1  | 98       |
| 87) Chrysene                  | 21.598 | 228  | 87632    | 1.453  | ng/u1  | 94       |
| 90) Benzo(b)fluoranthene      | 23.321 | 252  | 120332   | 1.814  | ng/u1# | 68       |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 74138    | 1.279  | ng/u1# | 90       |
| -----                         |        |      |          |        |        |          |

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

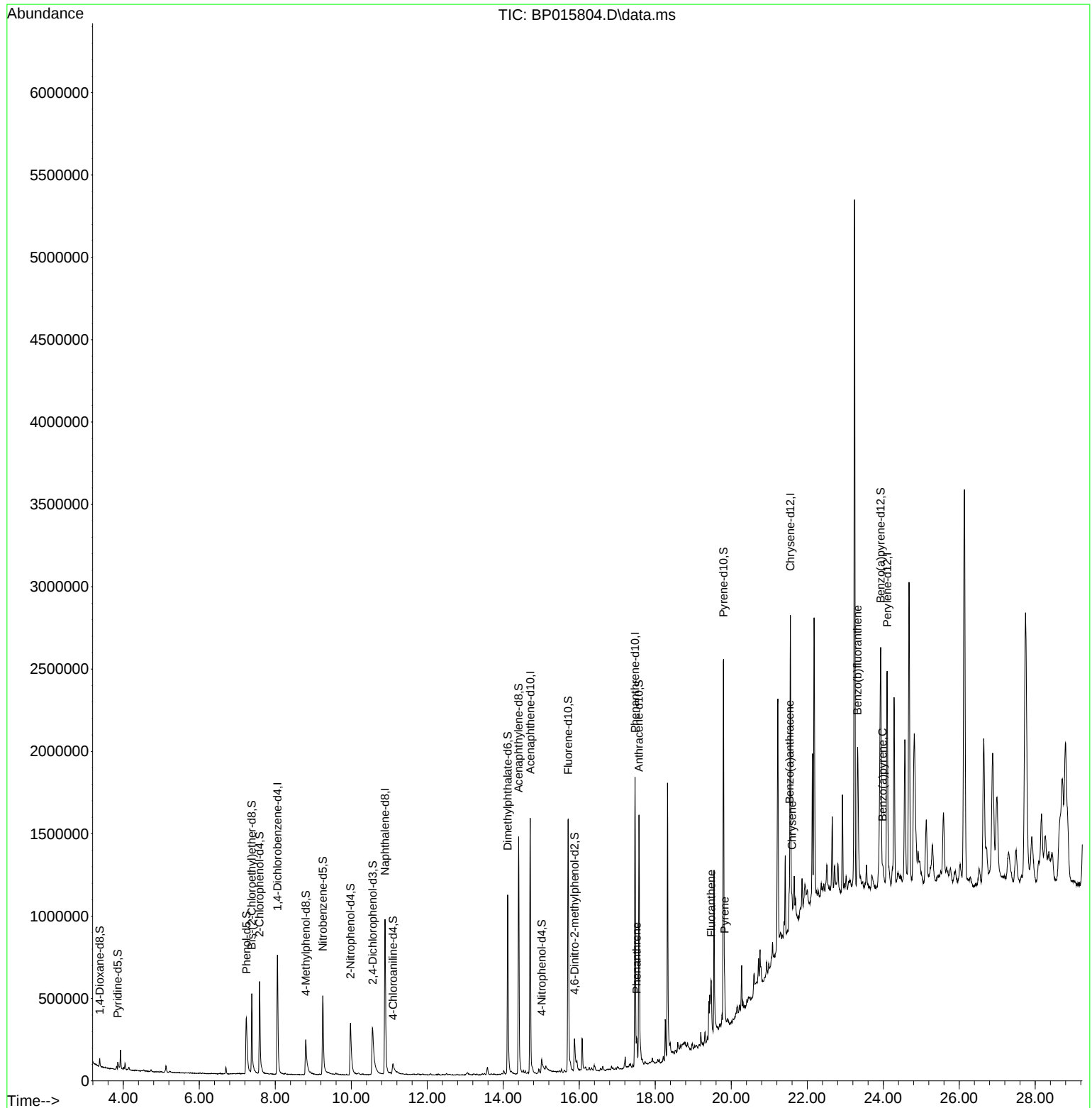
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
Data File : BP015804.D  
Acq On : 29 Jun 2023 11:15  
Operator : MA/JU  
Sample : 03143-10  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

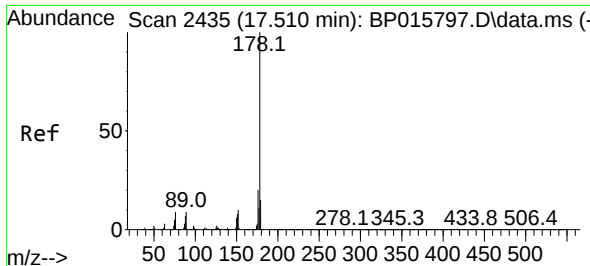
Instrument :  
BNA\_P  
ClientSampleId :  
DCFU7

Quant Time: Jun 29 22:57:57 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 29 02:30:23 2023  
Response via : Initial Calibration

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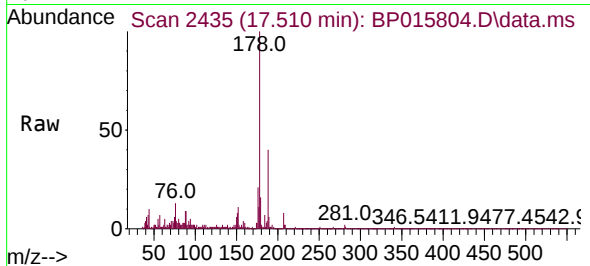
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023





#72  
Phenanthrene  
Concen: 1.299 ng/ul  
RT: 17.510 min Scan# 2435  
Delta R.T. -0.000 min  
Lab File: BP015804.D  
Acq: 29 Jun 2023 11:15

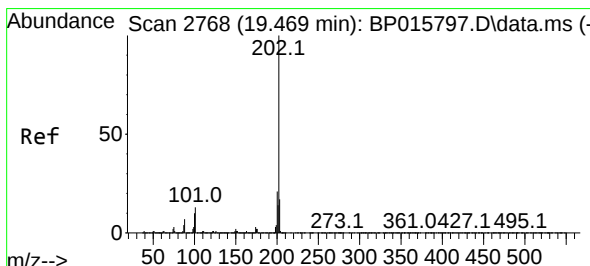
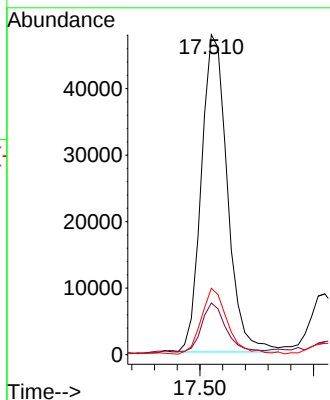
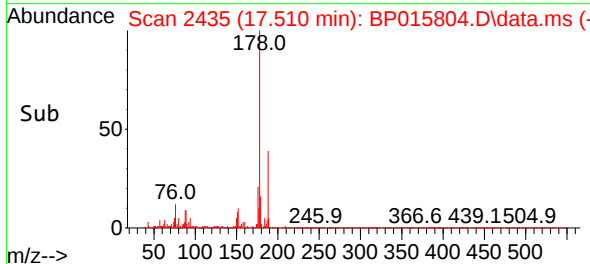
Instrument :  
BNA\_P  
ClientSampleId :  
DCFU7



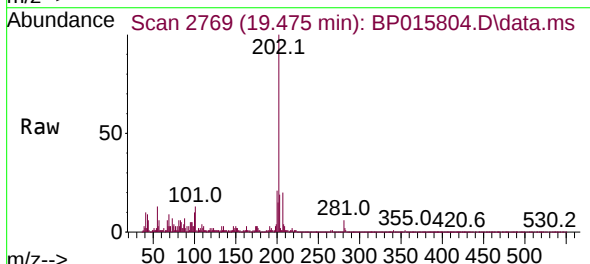
Tgt Ion:178 Resp: 7602  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.4 18.6  
176 20.8 15.6 23.4

Manual Integrations  
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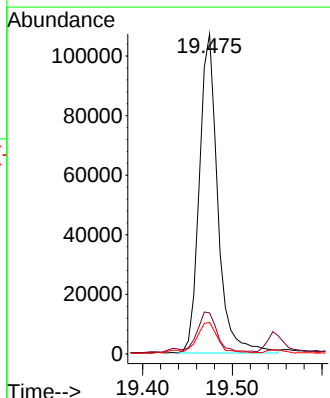
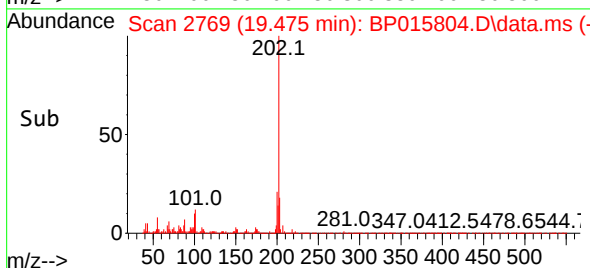
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

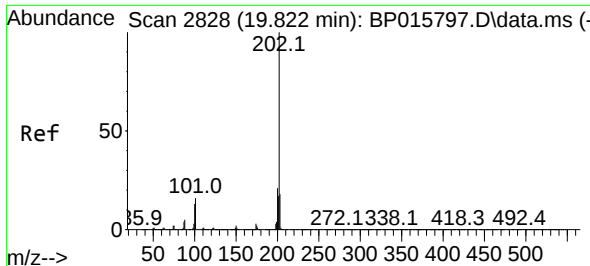


#80  
Fluoranthene  
Concen: 2.080 ng/ul  
RT: 19.475 min Scan# 2769  
Delta R.T. -0.000 min  
Lab File: BP015804.D  
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Tgt Ion:202 Resp: 152475  
Ion Ratio Lower Upper  
202 100  
101 12.9 8.3 12.5#  
100 9.9 6.6 9.8#





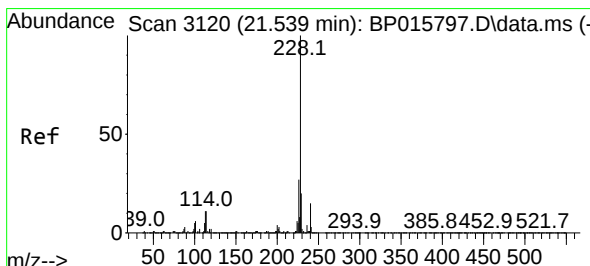
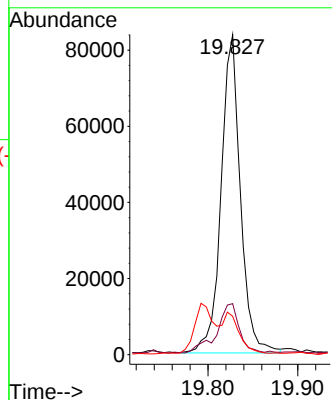
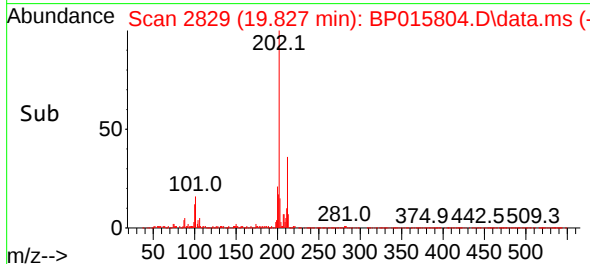
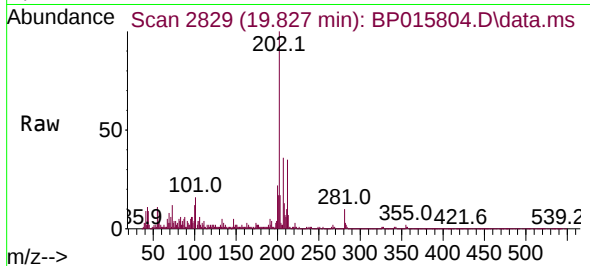
#82  
Pyrene  
Concen: 1.674 ng/ul  
RT: 19.827 min Scan# 21520  
Delta R.T. -0.000 min  
Lab File: BP015804.D  
Acq: 29 Jun 2023 11:15

Instrument :  
BNA\_P  
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Tgt Ion:202 Resp: 12520  
Ion Ratio Lower Upper  
202 100  
101 16.0 9.3 13.9  
100 12.0 7.6 11.4

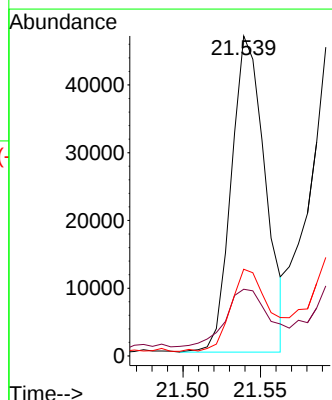
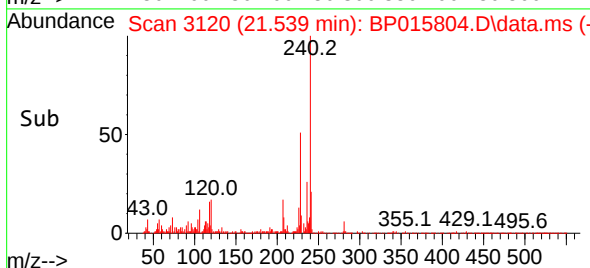
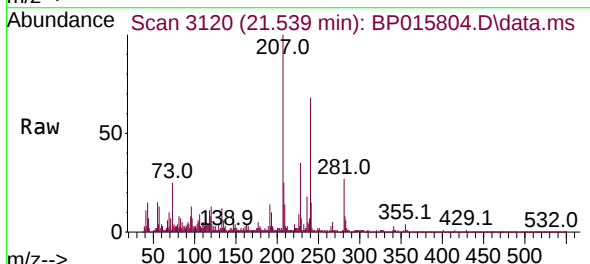
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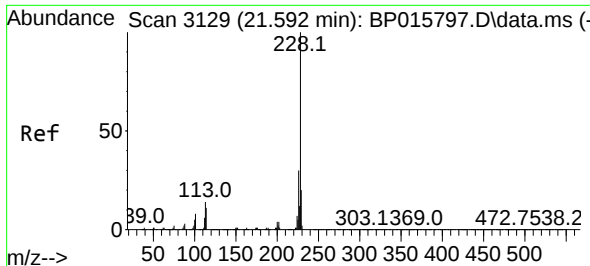
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#85  
Benzo(a)anthracene  
Concen: 1.116 ng/ul  
RT: 21.539 min Scan# 3120  
Delta R.T. -0.000 min  
Lab File: BP015804.D  
Acq: 29 Jun 2023 11:15

Tgt Ion:228 Resp: 70913  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.3 22.9  
226 27.1 21.4 32.0





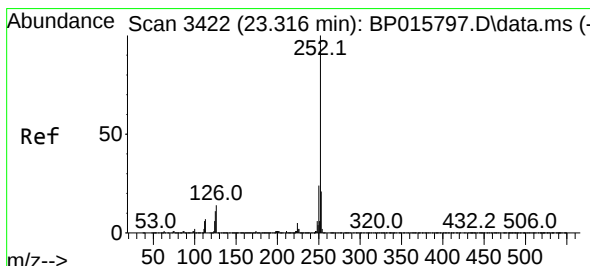
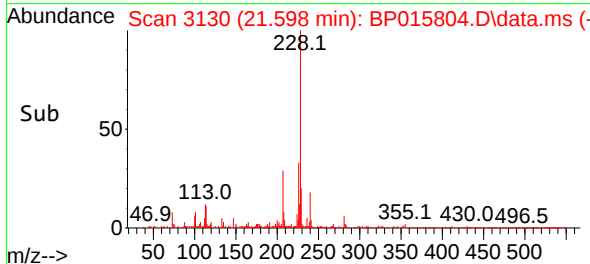
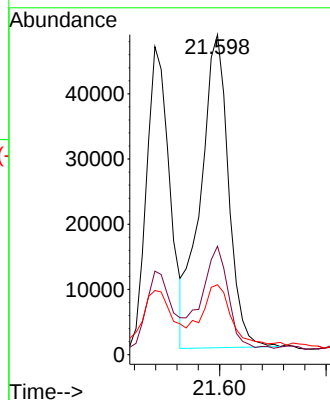
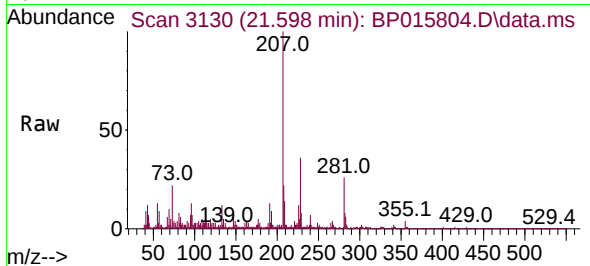
#87  
Chrysene  
Concen: 1.453 ng/ul  
RT: 21.598 min Scan# 3129  
Delta R.T. -0.000 min  
Lab File: BP015804.D  
Acq: 29 Jun 2023 11:15

Instrument :  
BNA\_P  
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Tgt Ion:228 Resp: 87632  
Ion Ratio Lower Upper  
228 100  
226 33.9 24.3 36.5  
229 21.9 15.5 23.3

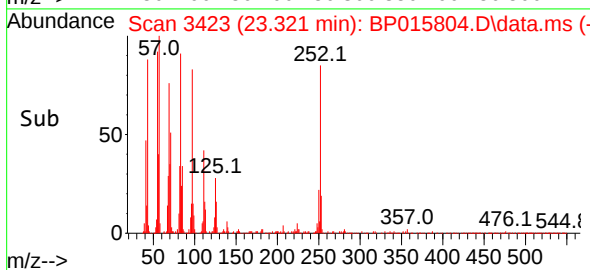
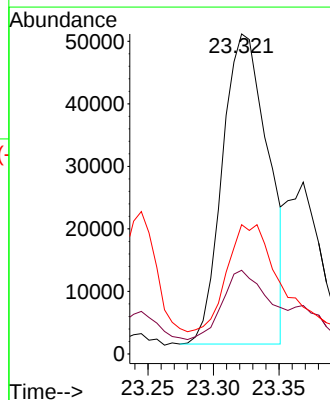
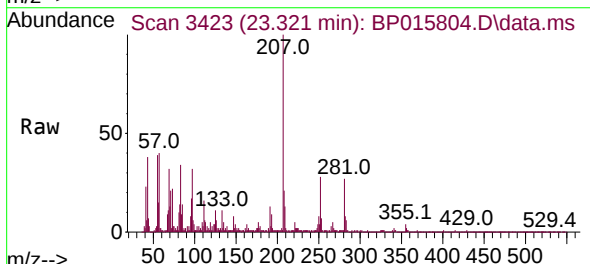
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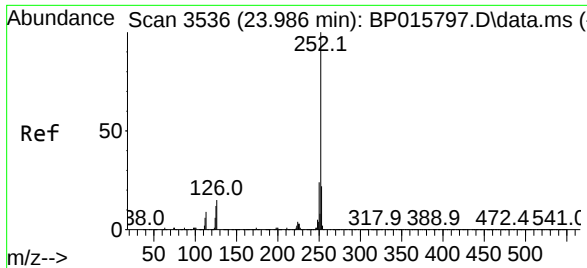
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#90  
Benzo(b)fluoranthene  
Concen: 1.814 ng/ul  
RT: 23.321 min Scan# 3423  
Delta R.T. 0.006 min  
Lab File: BP015804.D  
Acq: 29 Jun 2023 11:15

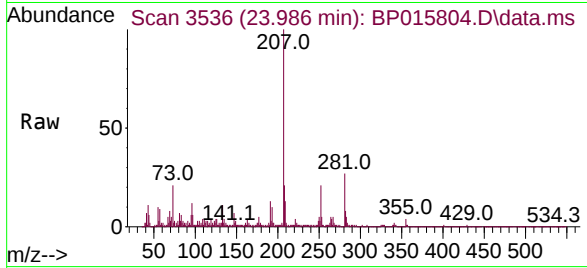
Tgt Ion:252 Resp: 120332  
Ion Ratio Lower Upper  
252 100  
253 26.1 17.3 25.9#  
125 40.4 7.5 11.3#





#93  
 Benzo(a)pyrene  
 Concen: 1.279 ng/ul  
 RT: 23.986 min Scan# 3536  
 Delta R.T. -0.000 min  
 Lab File: BP015804.D  
 Acq: 29 Jun 2023 11:15

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU7



Tgt Ion: 252 Resp: 74138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.5  | 17.7  | 26.5  |
| 125 | 19.7  | 8.2   | 12.2  |

Manual Integrations  
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