

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
 Data File : BP022878.D  
 Acq On : 06 Nov 2024 03:40  
 Operator : RC/JU  
 Sample : P4581-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4ED1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024  
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 04:06:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 06 00:31:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.622  | 152  | 120049   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 10.375 | 136  | 460785   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.239 | 164  | 354138   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.045 | 188  | 807723   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.492 | 240  | 800389   | 20.000 | ng/u1 | # 0.00   |
| 88) Perylene-d12              | 24.750 | 264  | 958156   | 20.000 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 7571     | 2.451  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84   | 116014   | 13.680 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 6.822  | 99   | 173154   | 17.135 | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.969  | 67   | 98714    | 16.620 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 131674   | 18.363 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.322  | 113  | 124999   | 15.500 | ng/u1 | -0.01    |
| 21) Nitrobenzene-d5           | 8.763  | 128  | 66856    | 18.870 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 83277    | 20.302 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.022 | 165  | 165777   | 19.015 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.528 | 131  | 168161   | 16.324 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 13.657 | 166  | 531751   | 18.899 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 13.927 | 160  | 584666   | 19.564 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.510 | 143  | 57378    | 12.155 | ng/u1 | 0.01     |
| 60) Fluorene-d10              | 15.257 | 176  | 478476   | 19.606 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 200  | 43167m   | 8.126  | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.145 | 188  | 747610   | 19.675 | ng/u1 | -0.02    |
| 81) Pyrene-d10                | 19.539 | 212  | 906766   | 21.423 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.509 | 264  | 1024065  | 20.013 | ng/u1 | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       |          |
| 80) Fluoranthene              | 19.186 | 202  | 81868    | 1.682  | ng/u1 | 97       |
| 82) Pyrene                    | 19.568 | 202  | 74483    | 1.428  | ng/u1 | 97       |
| 90) Benzo(b)fluoranthene      | 23.721 | 252  | 69938    | 1.160  | ng/u1 | 99       |
| -----                         |        |      |          |        |       |          |

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

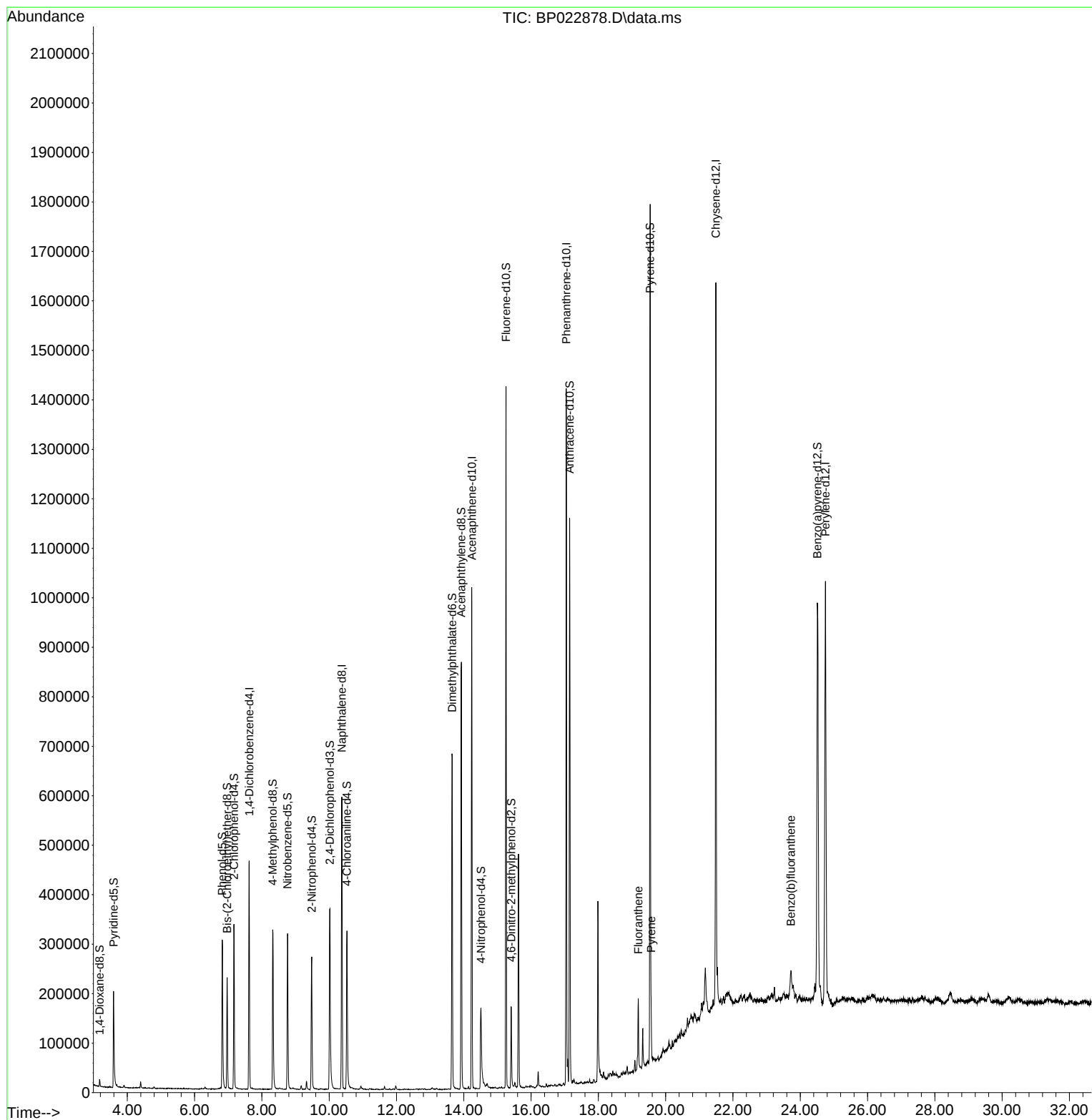
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
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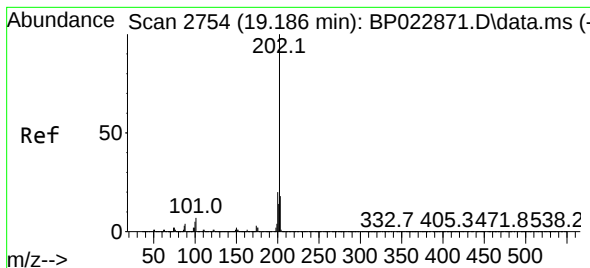
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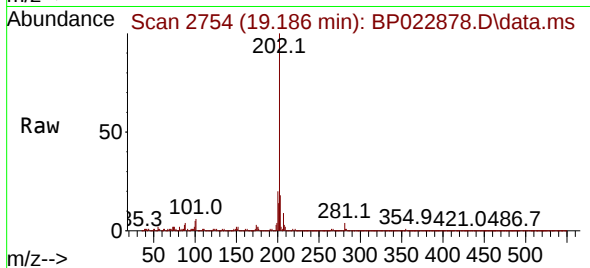
Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024





#80  
Fluoranthene  
Concen: 1.682 ng/u1  
RT: 19.186 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP022878.D  
Acq: 06 Nov 2024 03:40

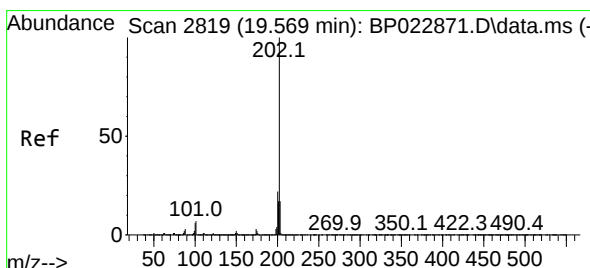
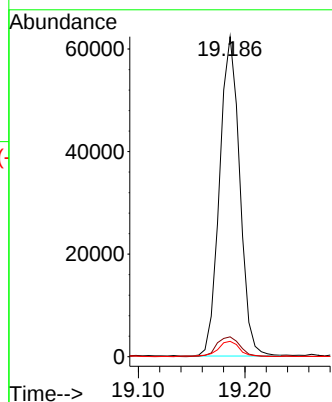
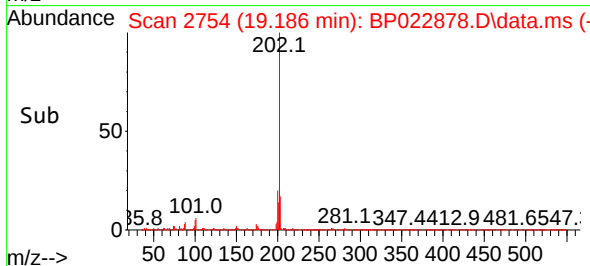
Instrument :  
BNA\_P  
ClientSampleId :  
A4ED1



Tgt Ion:202 Resp: 8186  
Ion Ratio Lower Upper  
202 100  
101 6.2 5.8 8.8  
100 4.8 4.5 6.7

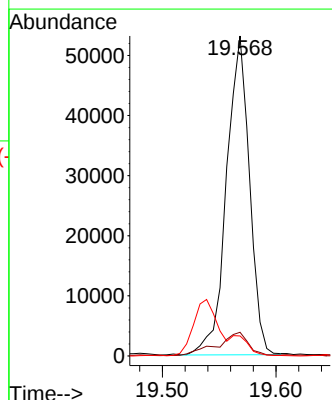
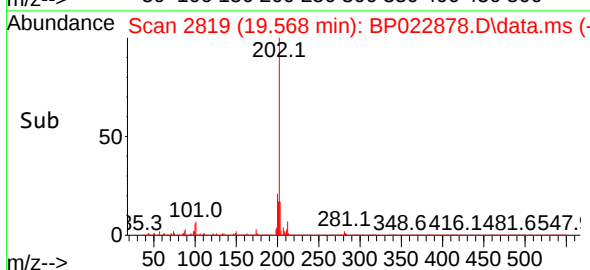
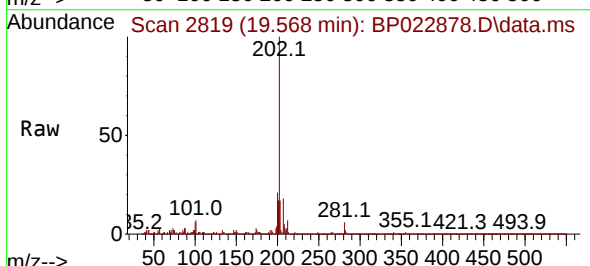
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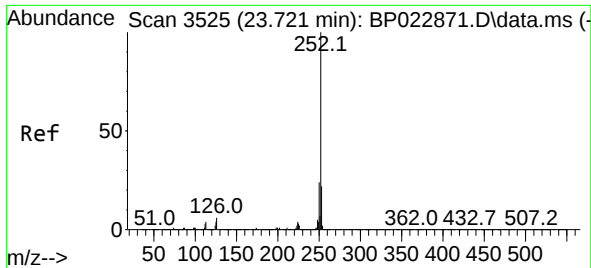
Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024



#82  
Pyrene  
Concen: 1.428 ng/u1  
RT: 19.568 min Scan# 2819  
Delta R.T. -0.000 min  
Lab File: BP022878.D  
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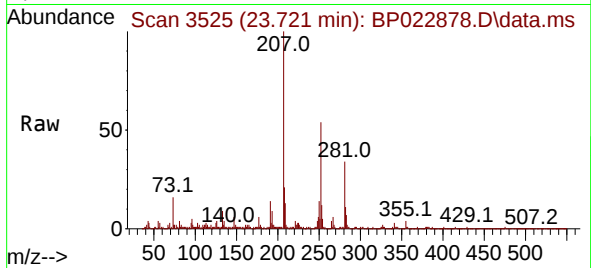
Tgt Ion:202 Resp: 74483  
Ion Ratio Lower Upper  
202 100  
101 7.4 6.7 10.1  
100 6.2 5.8 8.6





#90  
Benzo(b)fluoranthene  
Concen: 1.160 ng/ul  
RT: 23.721 min Scan# 3525  
Delta R.T. -0.000 min  
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Tgt Ion:252 Resp: 69938  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.8  
125 6.3 5.0 7.4

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