

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072924\  
 Data File : BP021274.D  
 Acq On : 01 Aug 2024 00:25  
 Operator : CG/JU  
 Sample : P3264-20  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CN0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/01/2024  
 Supervised By :mohammad ahmed 09/04/2024

Quant Time: Aug 01 02:26:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 187357   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.399 | 136  | 725252   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.269 | 164  | 471491   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.092 | 188  | 974910   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 844031   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.821 | 264  | 1036070  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.170  | 96   | 12046    | 2.926  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 141470   | 11.869 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 221329   | 14.490 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.981  | 67   | 130689   | 14.118 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.187  | 132  | 196252   | 15.594 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.369  | 113  | 187871   | 14.809 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.793  | 128  | 91995    | 16.331 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.505  | 143  | 106108   | 16.457 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 179832   | 15.425 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.563 | 131  | 225312   | 14.588 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.675 | 166  | 606260   | 17.688 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.957 | 160  | 685326   | 17.807 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.616 | 143  | 64128m   | 13.150 | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.281 | 176  | 513624   | 18.266 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 72214m   | 12.242 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.187 | 188  | 763699   | 17.637 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.569 | 212  | 924472   | 17.716 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.598 | 264  | 979421   | 19.167 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.134 | 178  | 146124   | 2.889  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.228 | 202  | 210443   | 3.339  | ng/u1  | 99       |
| 82) Pyrene                    | 19.598 | 202  | 174870   | 2.727  | ng/u1  | 96       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 84365    | 1.427  | ng/u1  | 95       |
| 87) Chrysene                  | 21.580 | 228  | 84030    | 1.529  | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 23.786 | 252  | 108651   | 1.728  | ng/u1# | 94       |
| 93) Benzo(a)pyrene            | 24.674 | 252  | 83023    | 1.397  | ng/u1  | 95       |
| 96) Benzo(g,h,i)perylene      | 29.751 | 276  | 68978m   | 1.106  | ng/u1  |          |

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

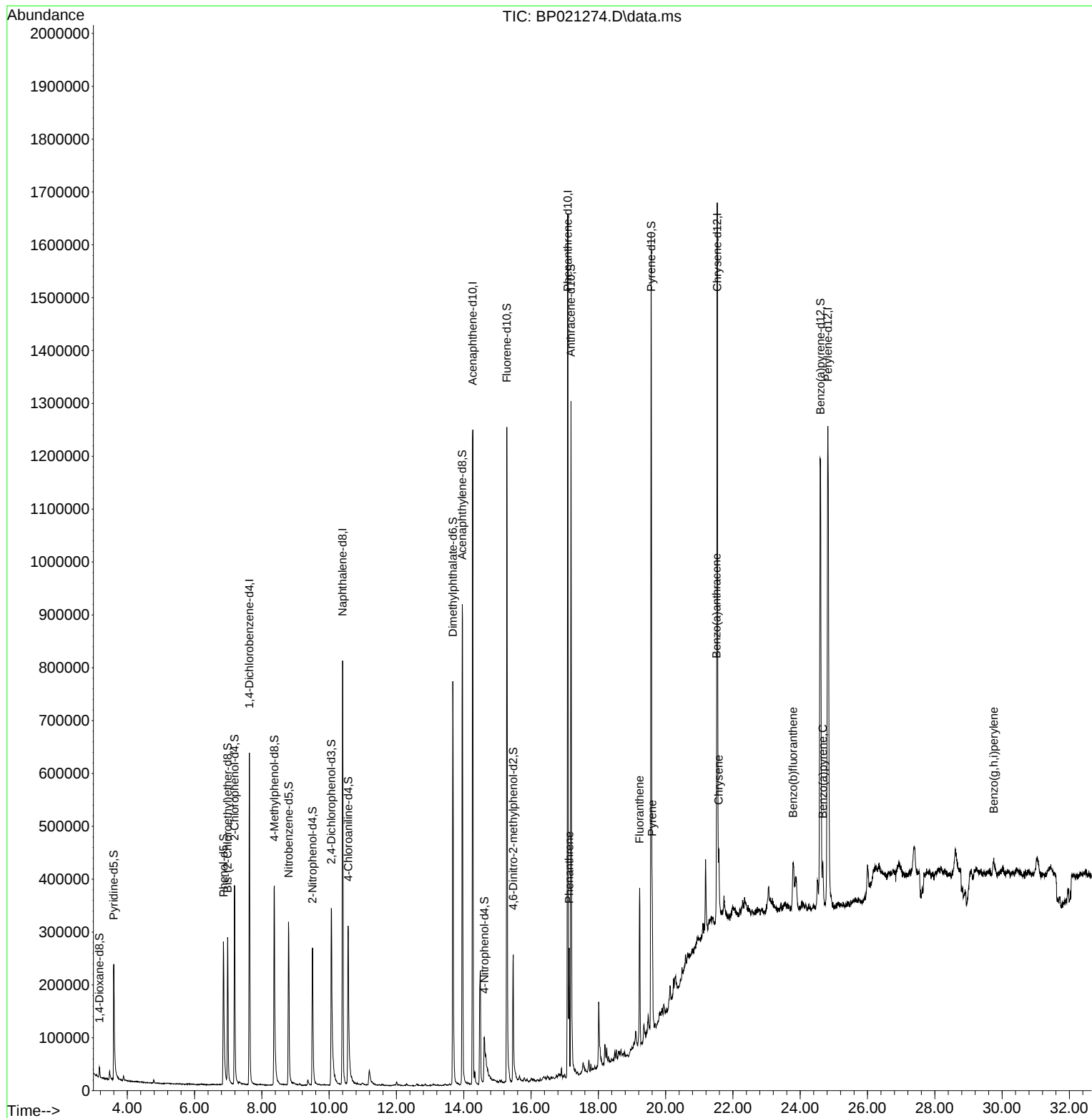
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072924\  
Data File : BP021274.D  
Acq On : 01 Aug 2024 00:25  
Operator : CG/JU  
Sample : P3264-20  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

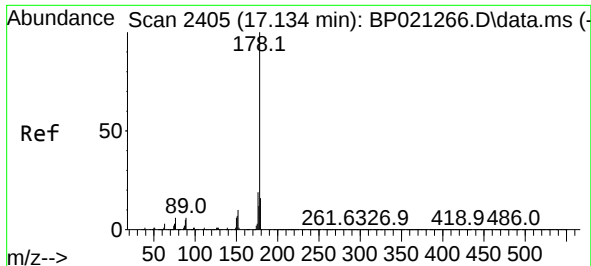
Instrument :  
BNA\_P  
ClientSampleId :  
A4CN0

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Supervised By :mohammad ahmed 09/04/2024

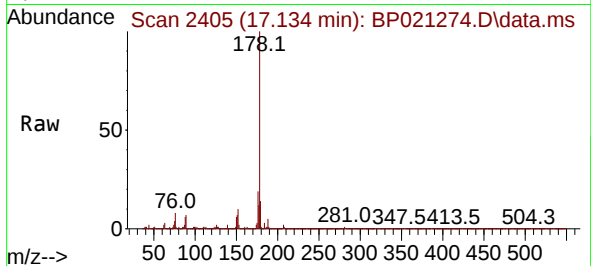
Quant Time: Aug 01 02:26:34 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 2.889 ng/ul  
RT: 17.134 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: BP021274.D  
Acq: 01 Aug 2024 00:25

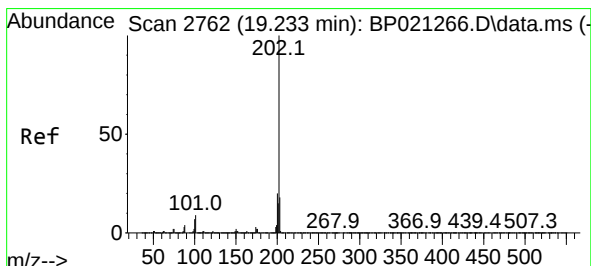
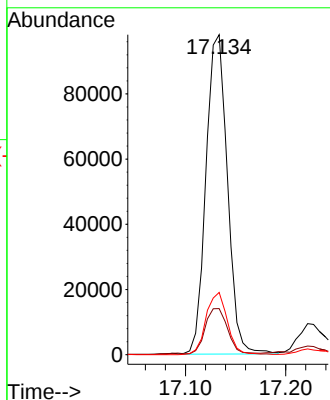
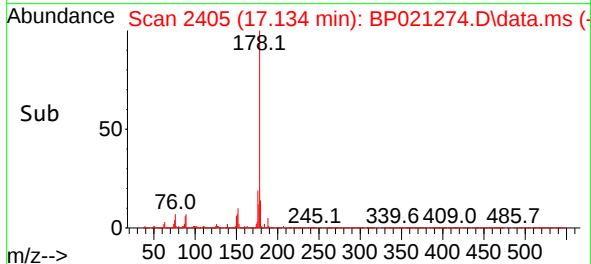
Instrument :  
BNA\_P  
ClientSampleId :  
A4CN0



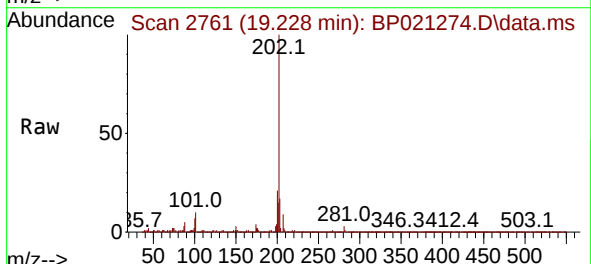
Tgt Ion:178 Resp: 146124  
Ion Ratio Lower Upper  
178 100  
179 14.4 12.2 18.4  
176 19.4 15.0 22.4

Manual Integrations  
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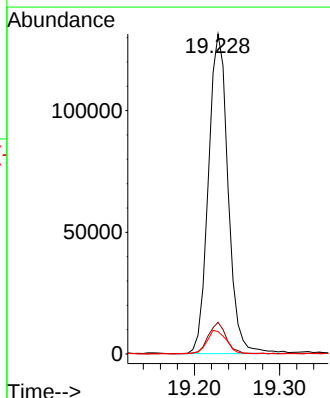
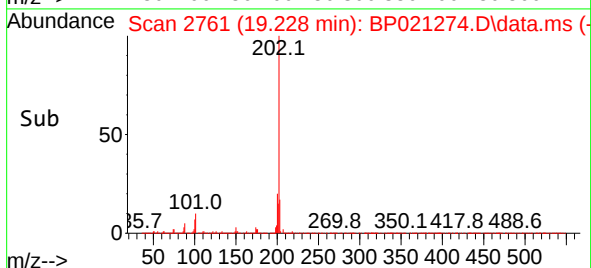
Reviewed By :Yogesh Patel 08/01/2024  
Supervised By :mohammad ahmed 09/04/2024

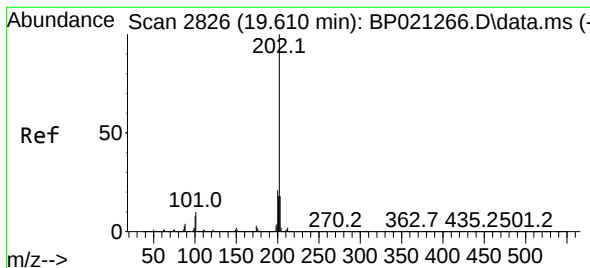


#80  
Fluoranthene  
Concen: 3.339 ng/ul  
RT: 19.228 min Scan# 2761  
Delta R.T. -0.005 min  
Lab File: BP021274.D  
Acq: 01 Aug 2024 00:25



Tgt Ion:202 Resp: 210443  
Ion Ratio Lower Upper  
202 100  
101 9.9 8.0 12.0  
100 7.0 6.1 9.1





#82

Pyrene

Concen: 2.727 ng/ul

RT: 19.598 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP021274.D

Acq: 01 Aug 2024 00:25

Instrument :

BNA\_P

ClientSampleId :

A4CN0

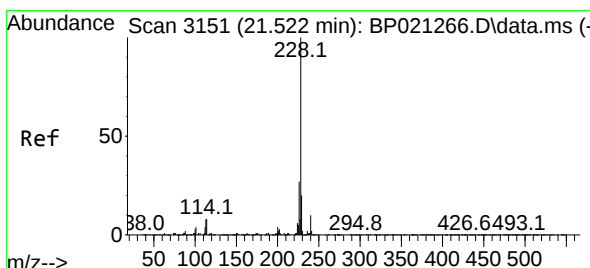
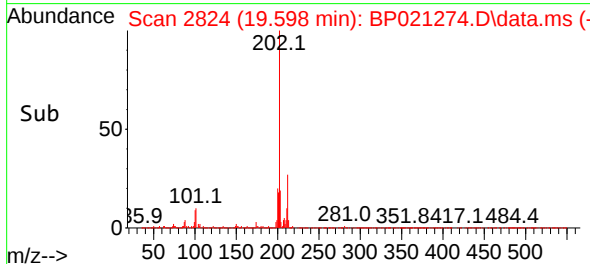
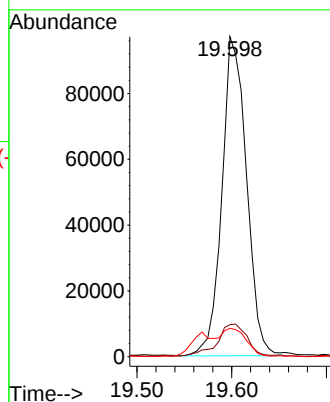
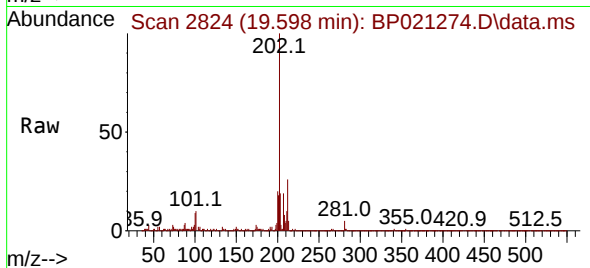
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 174870 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.0  | 9.4   | 14.2   |
| 100       | 8.9   | 7.8   | 11.6   |

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Supervised By :mohammad ahmed 09/04/2024



#85

Benzo(a)anthracene

Concen: 1.427 ng/ul

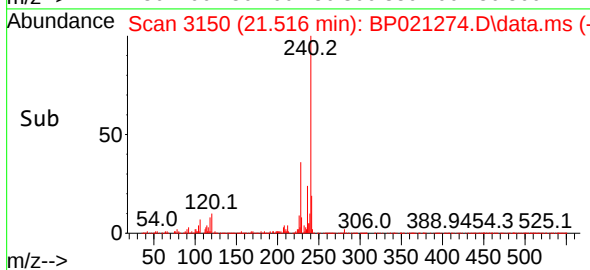
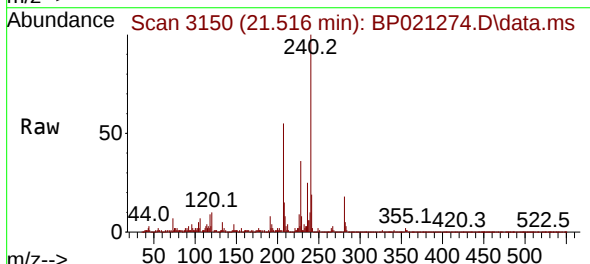
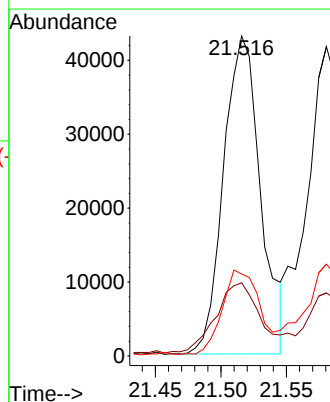
RT: 21.516 min Scan# 3150

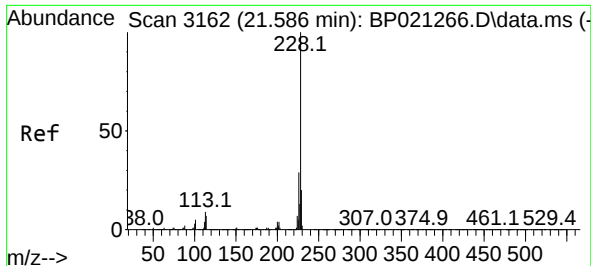
Delta R.T. 0.006 min

Lab File: BP021274.D

Acq: 01 Aug 2024 00:25

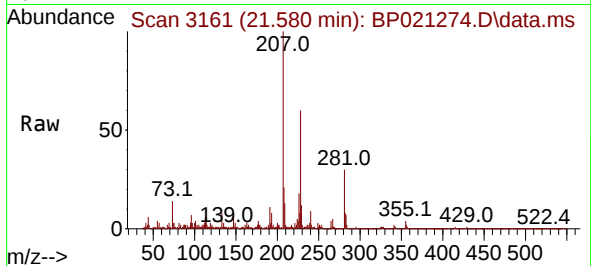
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 84365 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 22.8  | 15.5  | 23.3  |
| 226       | 25.6  | 21.4  | 32.2  |





#87  
Chrysene  
Concen: 1.529 ng/ul  
RT: 21.580 min Scan# 3162  
Delta R.T. -0.005 min  
Lab File: BP021274.D  
Acq: 01 Aug 2024 00:25

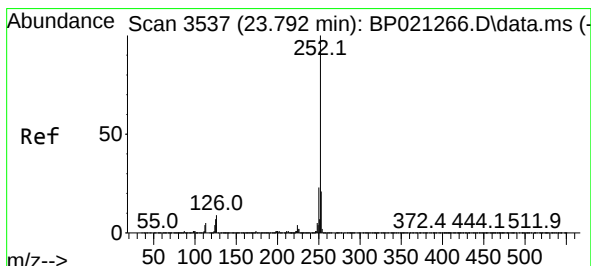
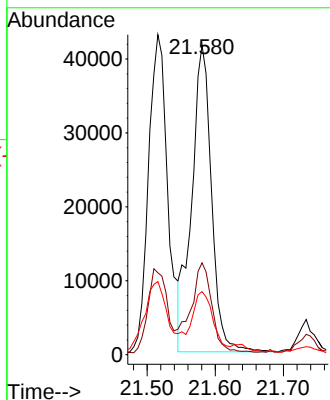
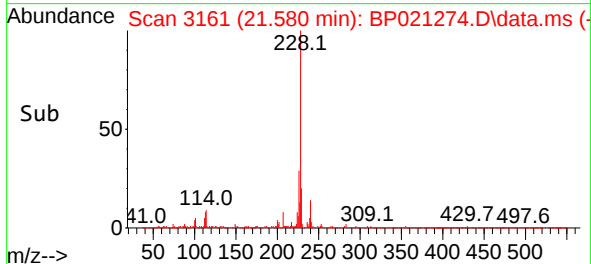
Instrument :  
BNA\_P  
ClientSampleId :  
A4CN0



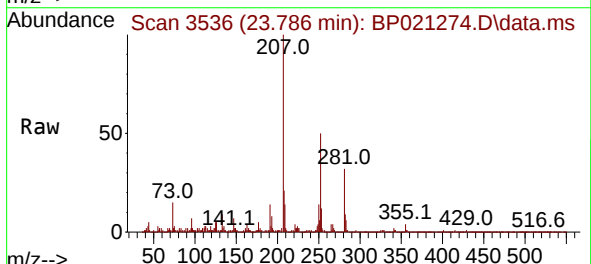
Tgt Ion:228 Resp: 84030  
Ion Ratio Lower Upper  
228 100  
226 29.7 23.6 35.4  
229 20.4 15.5 23.3

Manual Integrations  
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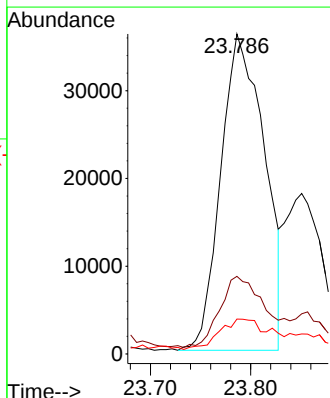
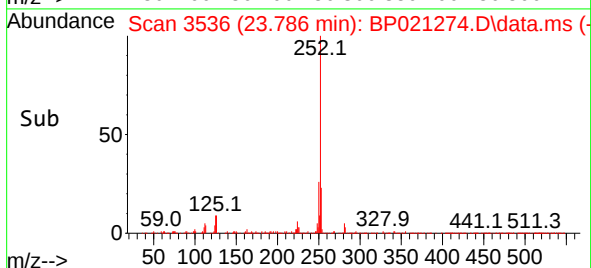
Reviewed By :Yogesh Patel 08/01/2024  
Supervised By :mohammad ahmed 09/04/2024

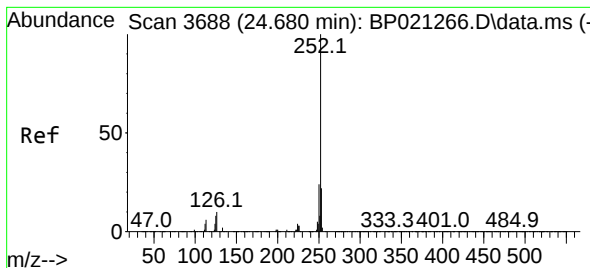


#90  
Benzo(b)fluoranthene  
Concen: 1.728 ng/ul  
RT: 23.786 min Scan# 3536  
Delta R.T. 0.001 min  
Lab File: BP021274.D  
Acq: 01 Aug 2024 00:25



Tgt Ion:252 Resp: 108651  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.1 25.7  
125 10.9 7.0 10.4





#93

Benzo(a)pyrene

Concen: 1.397 ng/ul

RT: 24.674 min Scan# 30

Delta R.T. -0.005 min

Lab File: BP021274.D

Acq: 01 Aug 2024 00:25

Instrument :

BNA\_P

ClientSampleId :

A4CN0

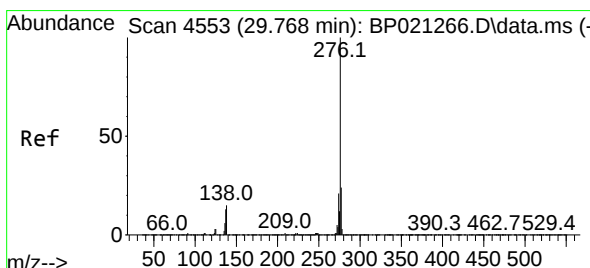
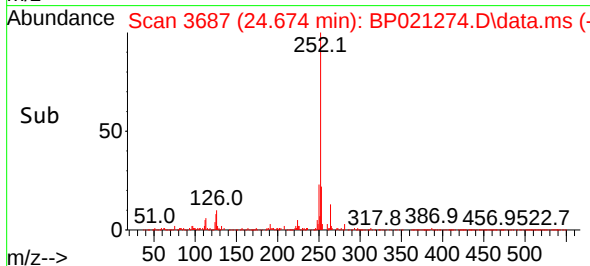
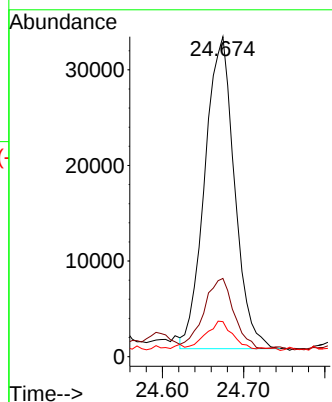
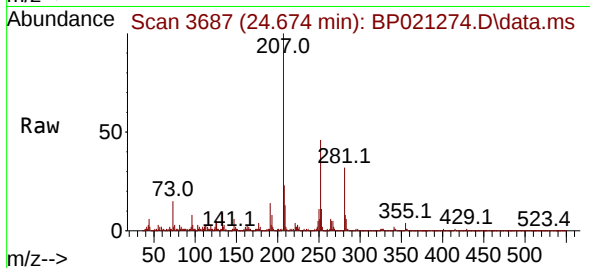
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 8302 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.5  | 17.4  | 26.0 |
| 125       | 10.9  | 7.7   | 11.5 |

Manual Integrations

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Supervised By :mohammad ahmed 09/04/2024



#96

Benzo(g,h,i)perylene

Concen: 1.106 ng/ul m

RT: 29.751 min Scan# 4550

Delta R.T. -0.011 min

Lab File: BP021274.D

Acq: 01 Aug 2024 00:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 68978 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.0  | 15.3  | 22.9  |
| 277       | 27.1  | 18.2  | 27.2  |

