

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071124\  
 Data File : BP020923.D  
 Acq On : 12 Jul 2024 05:44  
 Operator : MA/JU  
 Sample : P3087-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BQ8

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024  
 Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 06:11:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 10 18:38:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 275650   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.493 | 136  | 1144553  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 673726   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 1186114  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.627 | 240  | 1194542  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.968 | 264  | 1392364  | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 21495    | 3.549  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.681  | 84   | 25059    | 1.429  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 6.922  | 99   | 498976   | 22.203 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 310994   | 22.835 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.269  | 132  | 424217   | 22.911 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.434  | 113  | 390095   | 20.900 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.875  | 128  | 205122   | 23.074 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.587  | 143  | 233177   | 22.917 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.134 | 165  | 393250   | 21.374 | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.640 | 131  | 220070   | 9.029  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.775 | 166  | 1161453  | 23.715 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1278306  | 23.245 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.616 | 143  | 134617   | 19.318 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.369 | 176  | 909317   | 22.631 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 115776   | 16.132 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.269 | 188  | 1239976  | 23.537 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.651 | 212  | 1317272  | 17.837 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.733 | 264  | 1063841  | 15.492 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.210 | 178  | 234234   | 3.807  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.304 | 202  | 517964   | 5.808  | ng/u1  | 100      |
| 82) Pyrene                    | 19.686 | 202  | 368998   | 4.066  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.604 | 228  | 253435   | 3.029  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.522 | 149  | 85588    | 1.573  | ng/u1  | 99       |
| 87) Chrysene                  | 21.674 | 228  | 270392   | 3.477  | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 23.898 | 252  | 370549   | 4.385  | ng/u1# | 95       |
| 91) Benzo(k)fluoranthene      | 23.974 | 252  | 151667m  | 1.799  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.804 | 252  | 135533   | 1.697  | ng/u1# | 91       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.774 | 276  | 135603   | 1.318  | ng/u1  | 98       |

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

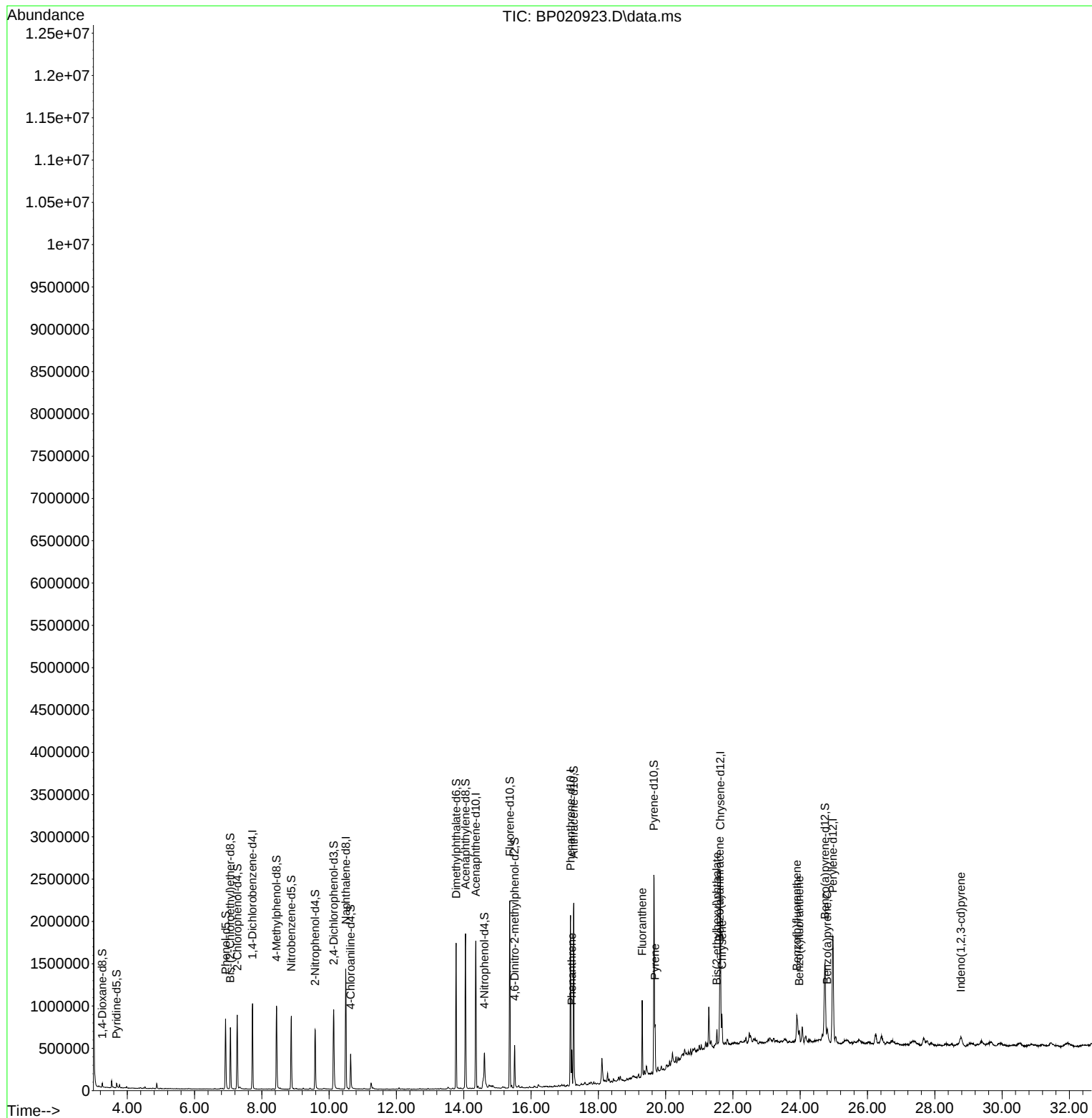
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071124\  
Data File : BP020923.D  
Acq On : 12 Jul 2024 05:44  
Operator : MA/JU  
Sample : P3087-14  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

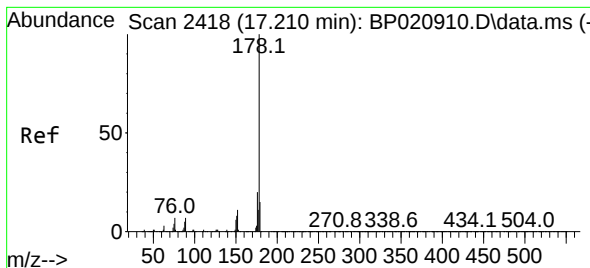
Instrument :  
BNA\_P  
ClientSampleId :  
A4BQ8

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 06:11:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jul 10 18:38:19 2024  
Response via : Initial Calibration





#72

Phenanthrene

Concen: 3.807 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

Instrument :

BNA\_P

ClientSampleId :

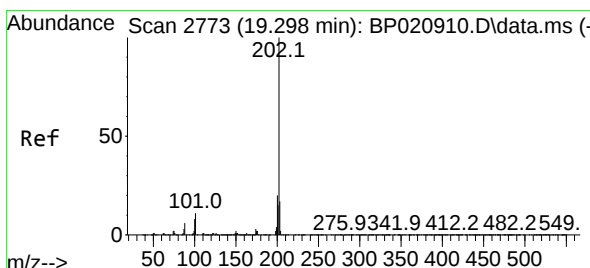
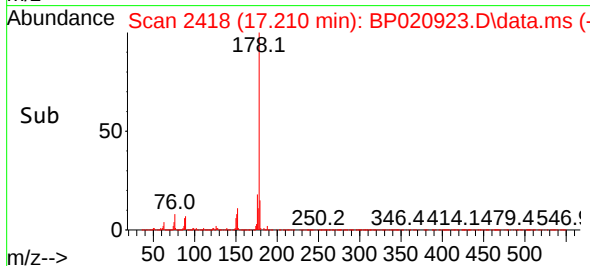
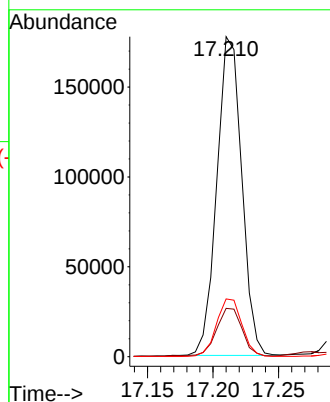
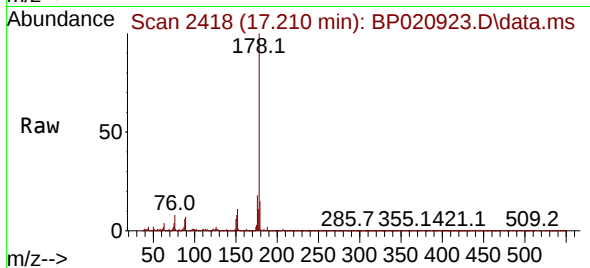
A4BQ8

|             |             |
|-------------|-------------|
| Tgt Ion:178 | Resp: 23423 |
| Ion Ratio   | Lower Upper |
| 178 100     |             |
| 179 15.1    | 12.2 18.4   |
| 176 18.1    | 15.0 22.4   |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#80

Fluoranthene

Concen: 5.808 ng/ul

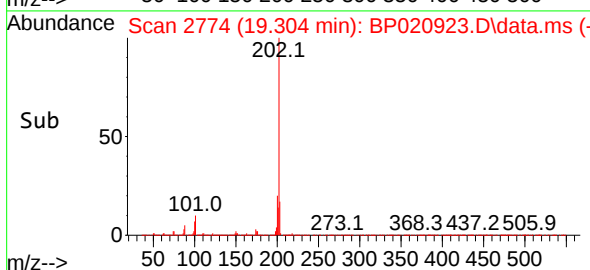
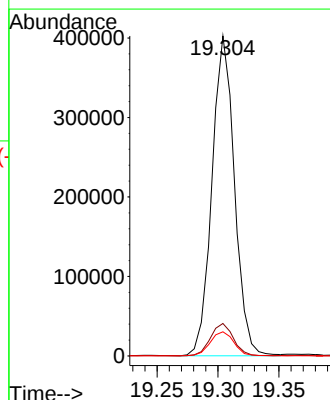
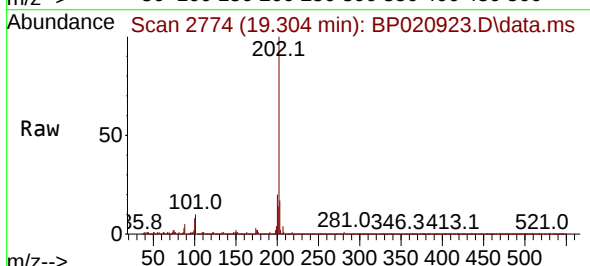
RT: 19.304 min Scan# 2774

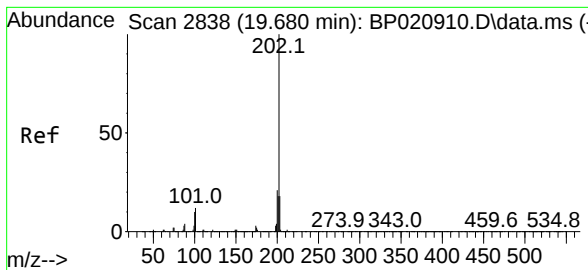
Delta R.T. -0.006 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 517964 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 101 10.1    | 8.0 12.0     |
| 100 7.5     | 6.1 9.1      |





#82

Pyrene

Concen: 4.066 ng/u1

RT: 19.686 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

Instrument :

BNA\_P

ClientSampleId :

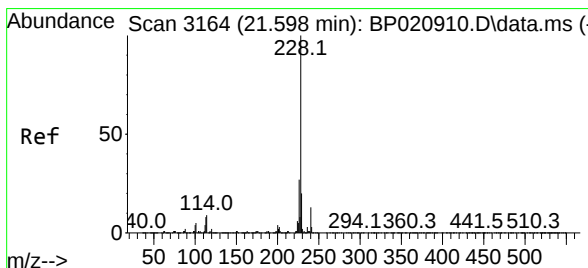
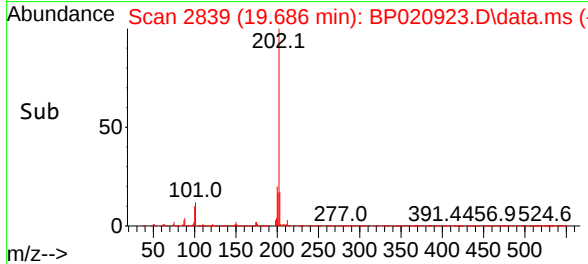
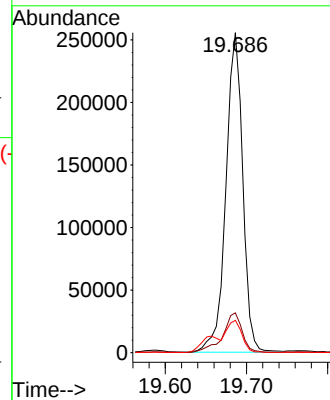
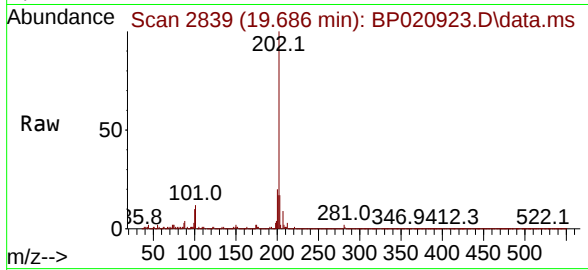
A4BQ8

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 368998 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 101 12.5    | 9.4 14.2     |
| 100 10.1    | 7.8 11.6     |

Manual Integrations

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Supervised By :mohammad ahmed 07/13/2024



#85

Benzo(a)anthracene

Concen: 3.029 ng/u1

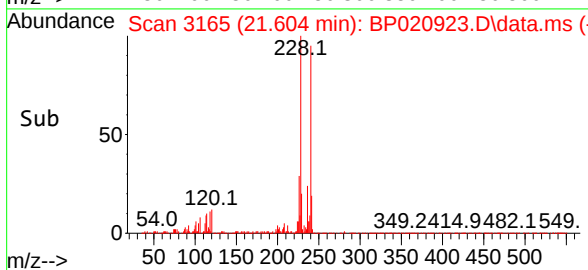
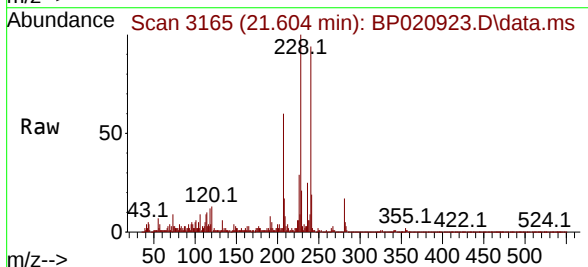
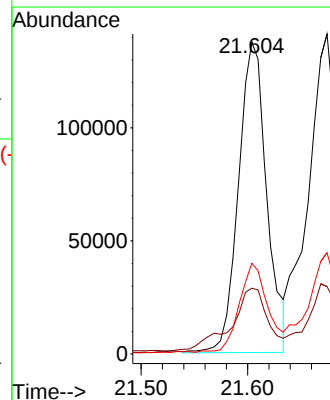
RT: 21.604 min Scan# 3165

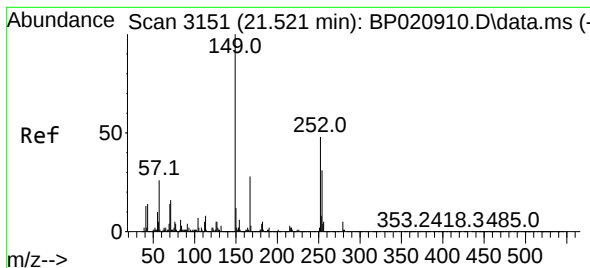
Delta R.T. -0.006 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

|             |              |
|-------------|--------------|
| Tgt Ion:228 | Resp: 253435 |
| Ion Ratio   | Lower Upper  |
| 228 100     |              |
| 229 21.1    | 15.5 23.3    |
| 226 29.1    | 21.4 32.2    |





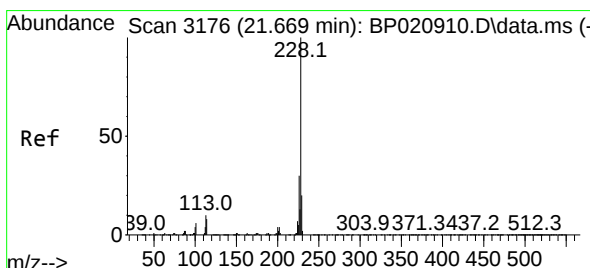
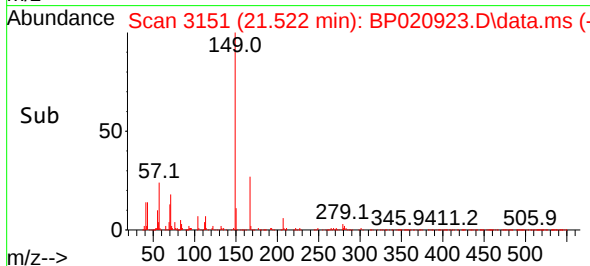
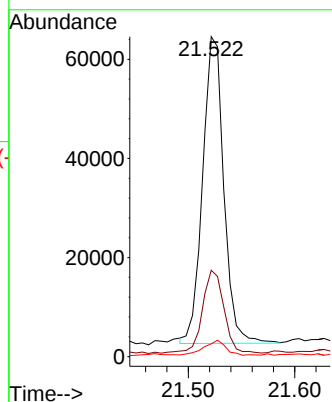
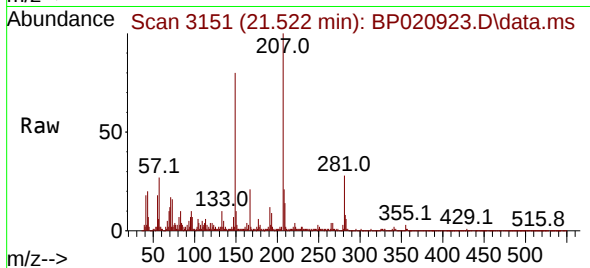
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.573 ng/ul  
RT: 21.522 min Scan# 3151  
Delta R.T. -0.018 min  
Lab File: BP020923.D  
Acq: 12 Jul 2024 05:44

Instrument :  
BNA\_P  
ClientSampleId :  
A4BQ8

Tgt Ion:149 Resp: 8558  
Ion Ratio Lower Upper  
149 100  
167 27.0 22.1 33.1  
279 4.0 3.7 5.5

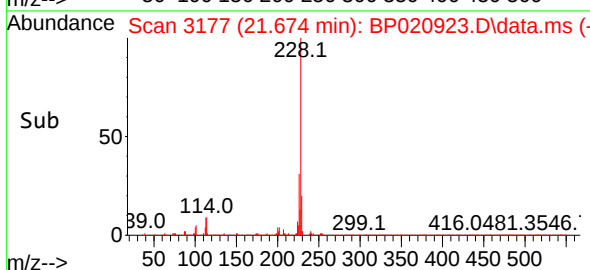
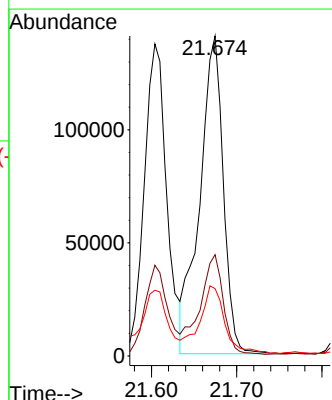
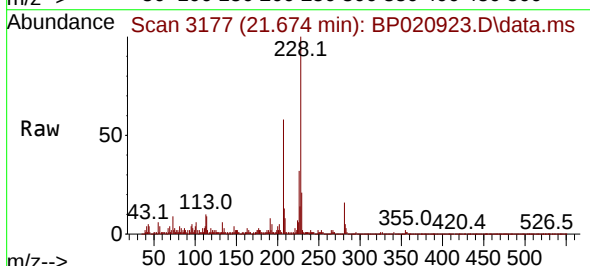
Manual Integrations  
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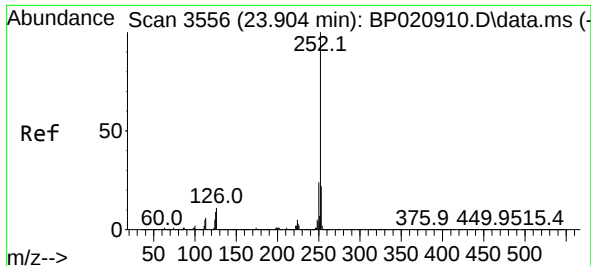
Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#87  
Chrysene  
Concen: 3.477 ng/ul  
RT: 21.674 min Scan# 3177  
Delta R.T. 0.000 min  
Lab File: BP020923.D  
Acq: 12 Jul 2024 05:44

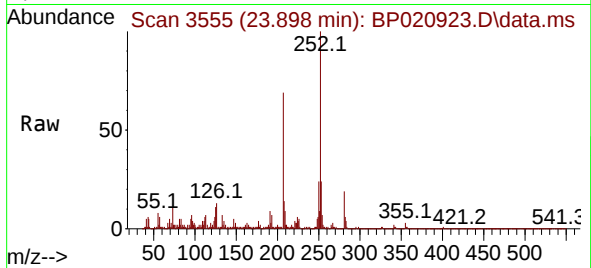
Tgt Ion:228 Resp: 270392  
Ion Ratio Lower Upper  
228 100  
226 31.7 23.6 35.4  
229 21.1 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 4.385 ng/ul  
RT: 23.898 min Scan# 3555  
Delta R.T. -0.023 min  
Lab File: BP020923.D  
Acq: 12 Jul 2024 05:44

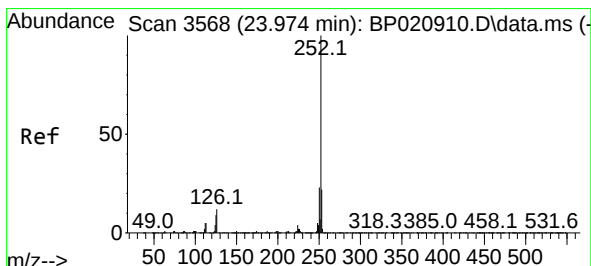
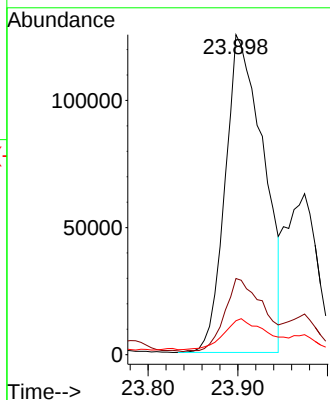
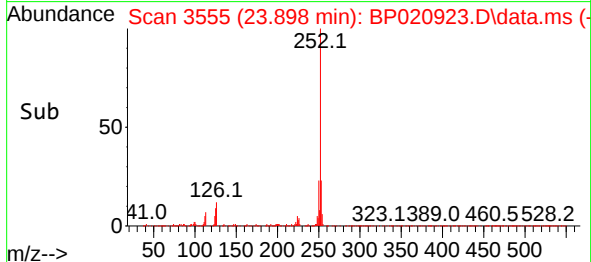
Instrument :  
BNA\_P  
ClientSampleId :  
A4BQ8



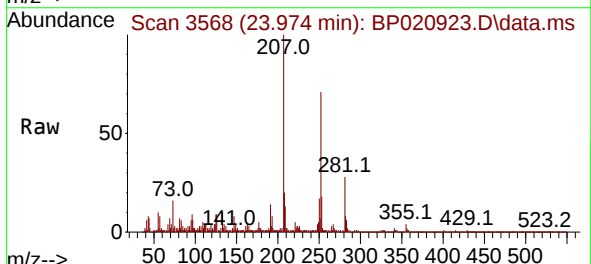
Tgt Ion:252 Resp: 370549  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.1 25.7  
125 10.6 7.0 10.4

Manual Integrations  
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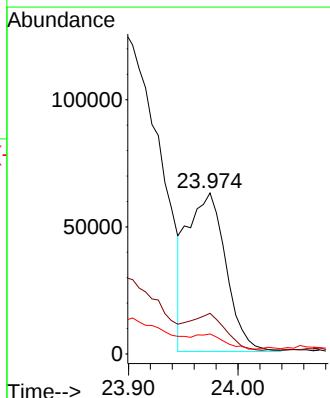
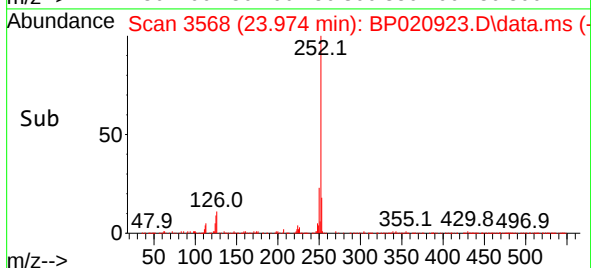
Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

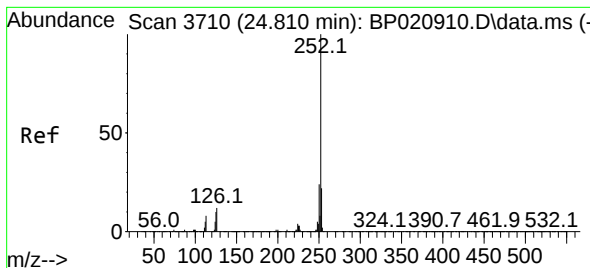


#91  
Benzo(k)fluoranthene  
Concen: 1.799 ng/ul m  
RT: 23.974 min Scan# 3568  
Delta R.T. -0.018 min  
Lab File: BP020923.D  
Acq: 12 Jul 2024 05:44



Tgt Ion:252 Resp: 151667  
Ion Ratio Lower Upper  
252 100  
253 25.3 17.4 26.2  
125 12.5 7.4 11.0





#93

Benzo(a)pyrene

Concen: 1.697 ng/ul

RT: 24.804 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

Instrument :

BNA\_P

ClientSampleId :

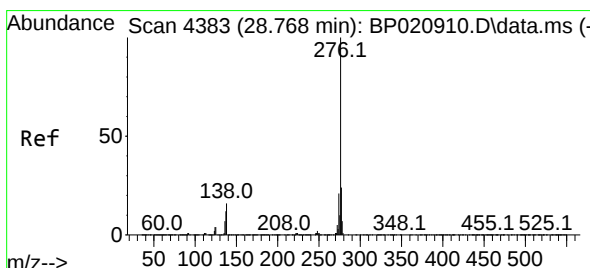
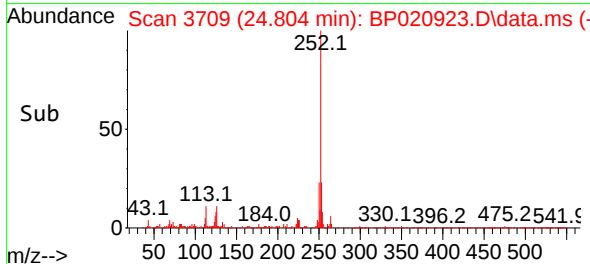
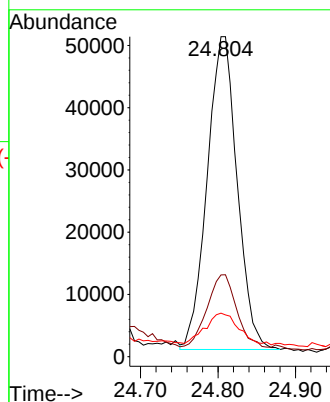
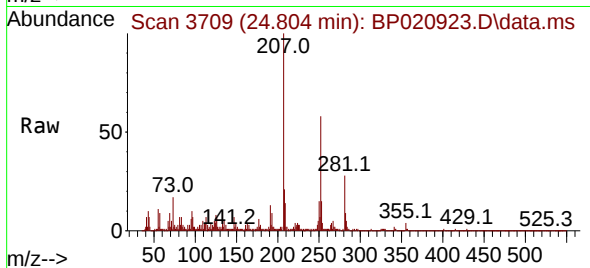
A4BQ8

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13553 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.5  | 17.4  | 26.0  |
| 125       | 13.6  | 7.7   | 11.5  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.318 ng/ul

RT: 28.774 min Scan# 4384

Delta R.T. -0.012 min

Lab File: BP020923.D

Acq: 12 Jul 2024 05:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 135603 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 17.8  | 14.3  | 21.5   |
| 277       | 25.3  | 19.2  | 28.8   |

