

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070124\  
 Data File : BP020759.D  
 Acq On : 02 Jul 2024 20:49  
 Operator : MA/JU  
 Sample : P3065-01  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CX6

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024  
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 22:59:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 25 18:30:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 203301   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.504 | 136  | 805195   | 20.000 | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.363 | 164  | 489648   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 849177   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.627 | 240  | 681417   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.992 | 264  | 867583   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.275  | 96   | 25930    | 5.477  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.693  | 84   | 59400    | 4.305  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.922  | 99   | 696902   | 41.795 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.087  | 67   | 402485   | 38.075 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.281  | 132  | 568116   | 41.688 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.446  | 113  | 570177   | 42.103 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.893  | 128  | 278479   | 46.845 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.605  | 143  | 322750   | 54.252 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.134 | 165  | 582013   | 47.495 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.657 | 131  | 177675   | 10.346 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.769 | 166  | 1734689  | 50.953 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 1914243  | 47.121 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.592 | 143  | 211360   | 40.633 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.375 | 176  | 1382156  | 48.246 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 200  | 198413   | 46.365 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.281 | 188  | 1884392  | 49.445 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 1669304  | 40.778 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.774 | 264  | 1388360  | 32.897 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.557  | 105  | 42767    | 1.977  | ng/u1  | 95       |
| 30) Naphthalene               | 10.557 | 128  | 50041    | 1.161  | ng/u1  | 98       |
| 50) Acenaphthylene            | 14.081 | 152  | 95661    | 2.085  | ng/u1  | 97       |
| 52) Acenaphthene              | 14.428 | 153  | 54515    | 1.791  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.769 | 168  | 43481    | 1.060  | ng/u1  | 99       |
| 61) Fluorene                  | 15.440 | 166  | 63362    | 1.923  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.228 | 178  | 1257207  | 28.272 | ng/u1  | 99       |
| 74) Anthracene                | 17.316 | 178  | 251891   | 5.507  | ng/u1  | 98       |
| 77) Carbazole                 | 17.598 | 167  | 133951   | 3.548  | ng/u1  | 100      |
| 78) Di-n-butylphthalate       | 18.186 | 149  | 73935    | 1.508  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.316 | 202  | 2605862  | 52.113 | ng/u1  | 98       |
| 82) Pyrene                    | 19.692 | 202  | 1857442  | 36.219 | ng/u1  | 97       |
| 83) Butylbenzylphthalate      | 20.645 | 149  | 51601    | 2.710  | ng/u1  | 91       |
| 85) Benzo(a)anthracene        | 21.610 | 228  | 1183142  | 24.772 | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.551 | 149  | 678247   | 22.940 | ng/u1  | 98       |
| 87) Chrysene                  | 21.680 | 228  | 1409595  | 31.223 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.933 | 252  | 1989304  | 37.849 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 24.010 | 252  | 781778m  | 14.704 | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.839 | 252  | 741154   | 14.938 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.804 | 276  | 767210   | 12.056 | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.856 | 278  | 270191m  | 5.166  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 29.992 | 276  | 104499m  | 2.011  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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Sample : P3065-01  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 22:59:08 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 25 18:30:06 2024  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

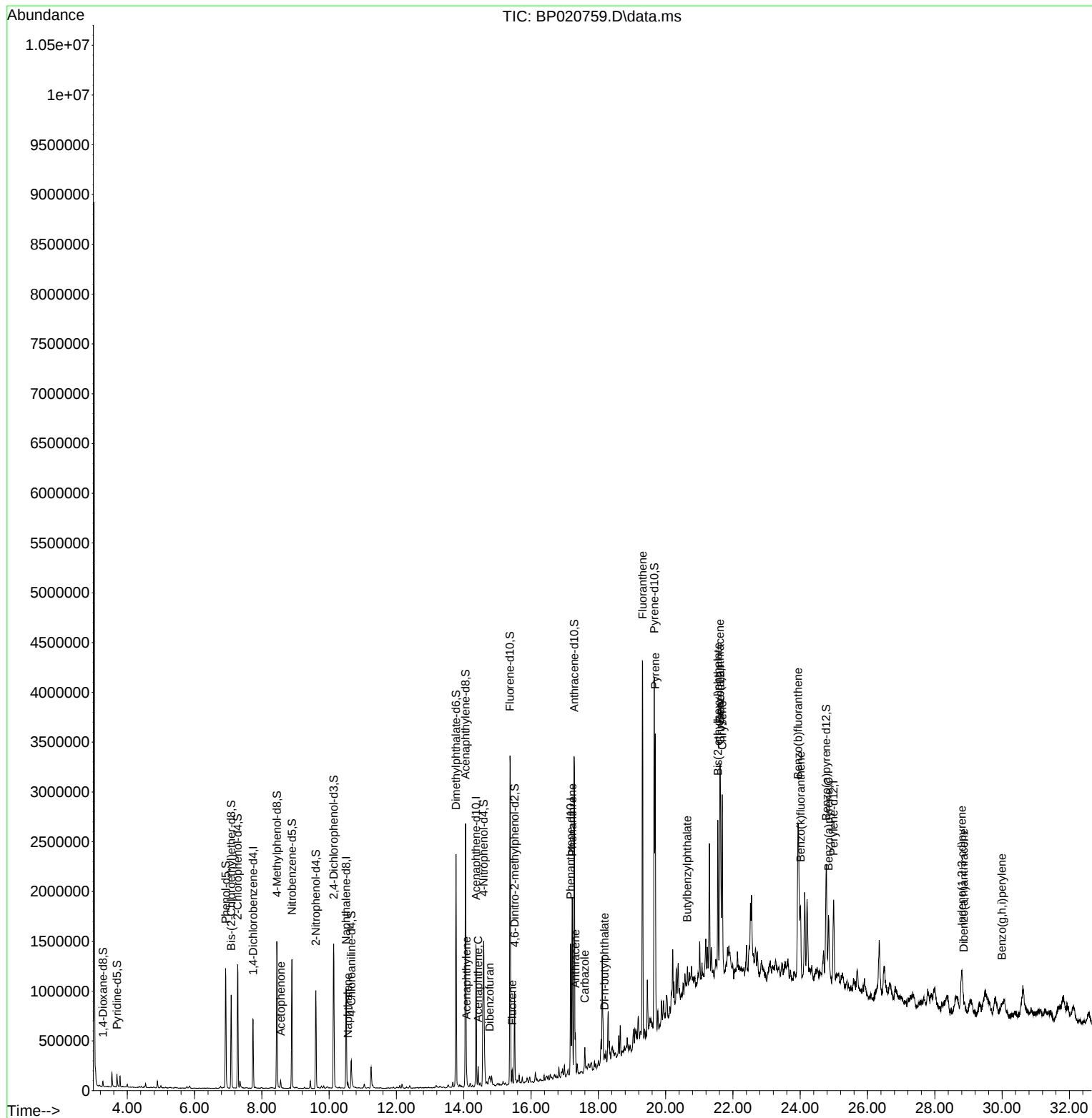
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP070124\  
 Data File : BP020759.D  
 Acq On : 02 Jul 2024 20:49  
 Operator : MA/JU  
 Sample : P3065-01  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

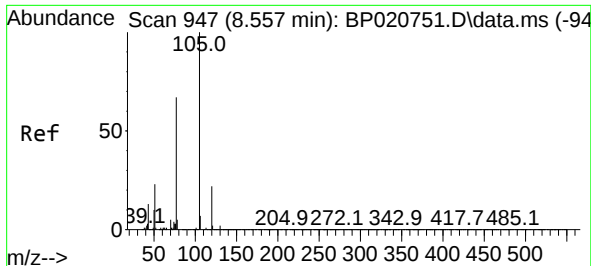
Instrument :  
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 A4CX6

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062524.MA.M  
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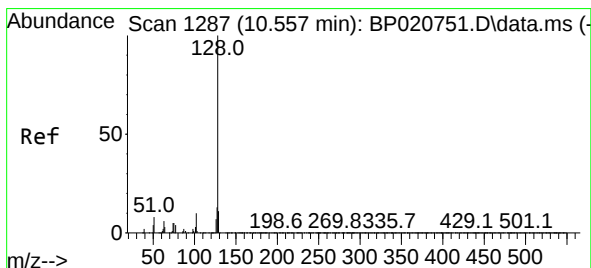
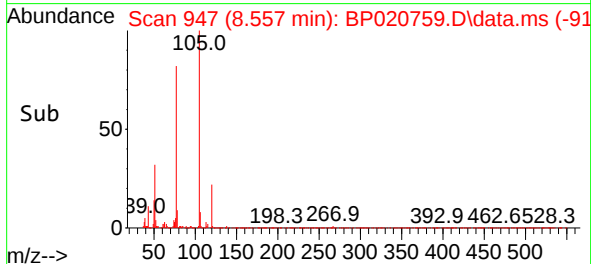
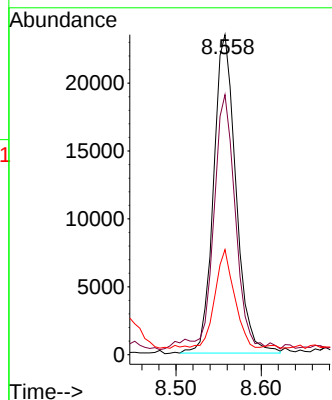
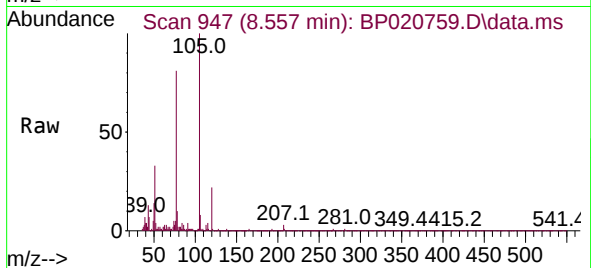
#16  
Acetophenone  
Concen: 1.977 ng/ul  
RT: 8.557 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Instrument :  
BNA\_P  
ClientSampleId :  
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4276 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 77        | 81.2  | 62.2  | 93.4 |
| 51        | 32.9  | 23.6  | 35.4 |

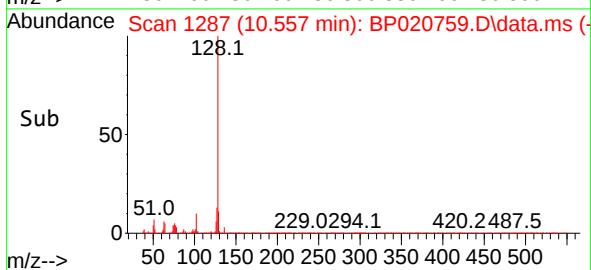
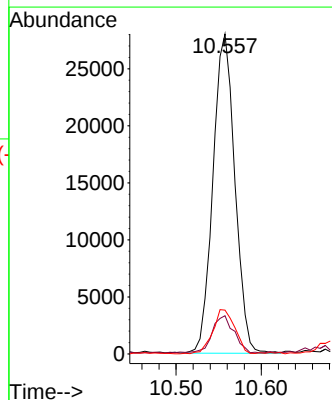
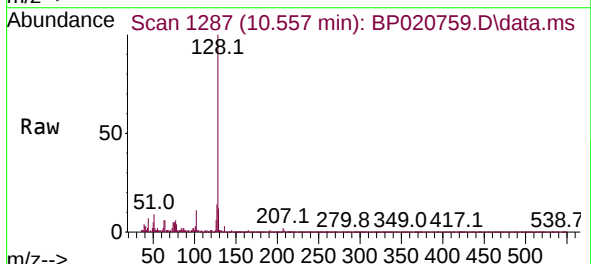
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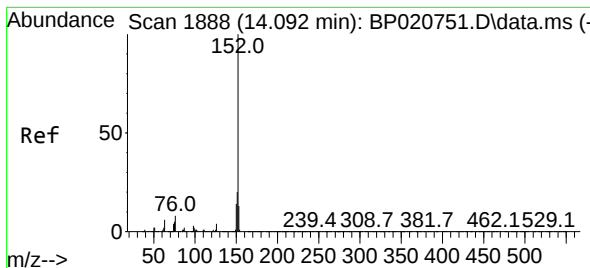
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#30  
Naphthalene  
Concen: 1.161 ng/ul  
RT: 10.557 min Scan# 1287  
Delta R.T. -0.012 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 50041 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.0  | 8.7   | 13.1  |
| 127       | 13.7  | 10.6  | 15.8  |





#50

Acenaphthylene

Concen: 2.085 ng/ul

RT: 14.081 min Scan# 1886

Delta R.T. -0.012 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

Instrument :

BNA\_P

ClientSampleId :

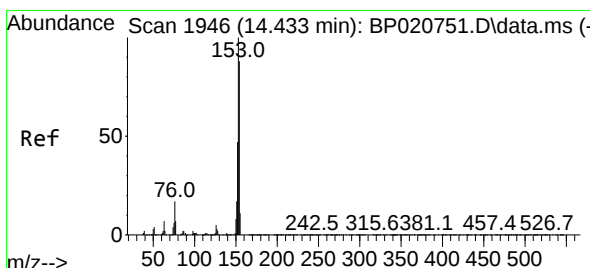
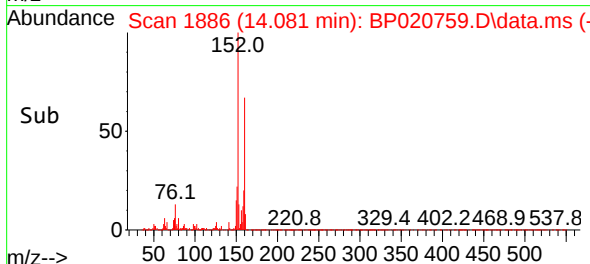
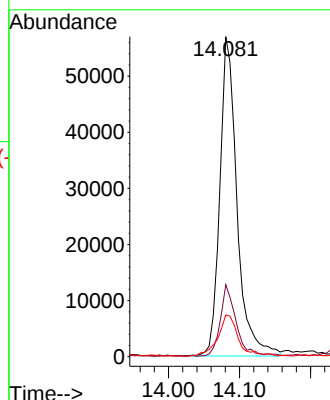
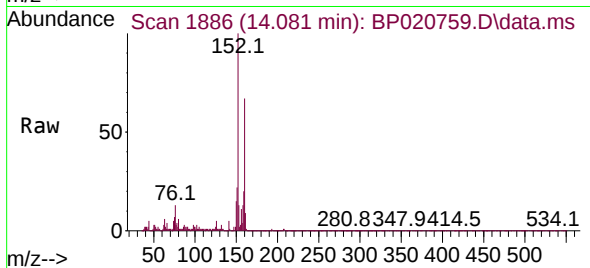
A4CX6

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 9566      |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 22.5  | 16.2 24.4 |
| 153         | 13.0  | 10.8 16.2 |

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Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#52

Acenaphthene

Concen: 1.791 ng/ul

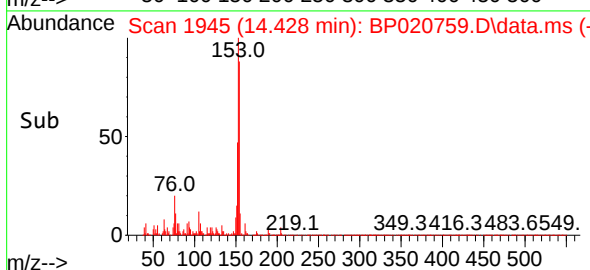
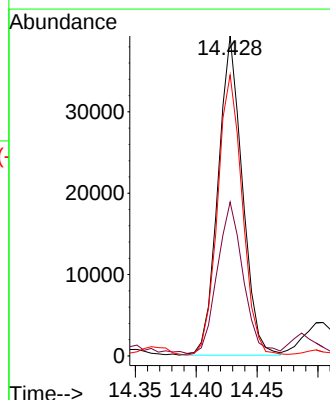
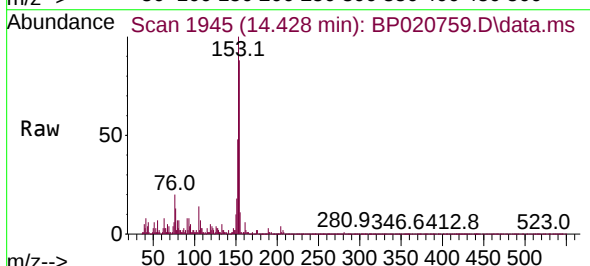
RT: 14.428 min Scan# 1945

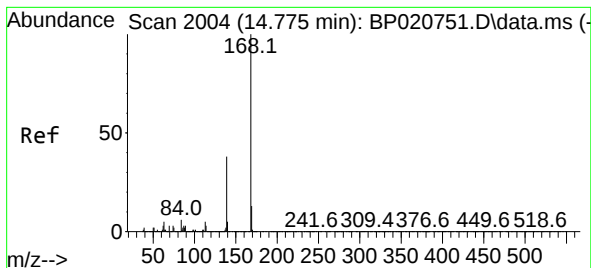
Delta R.T. 0.000 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 54515      |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 48.1  | 38.2 57.2  |
| 154         | 87.8  | 69.8 104.6 |





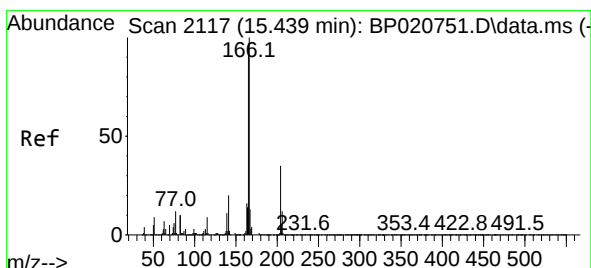
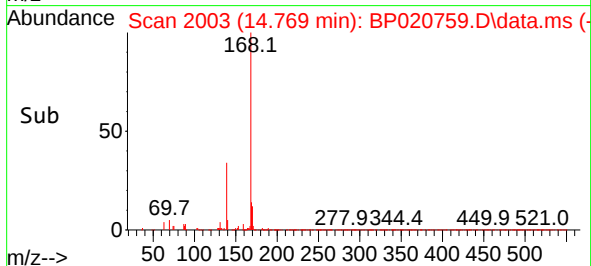
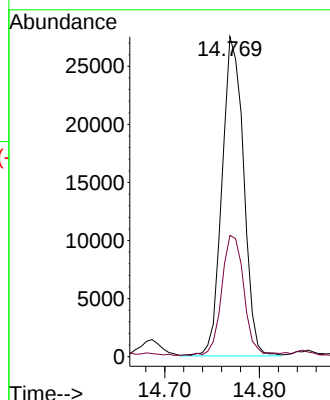
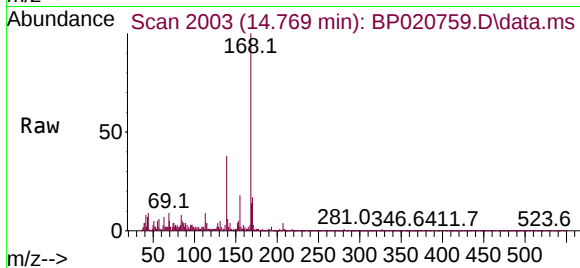
#56  
Dibenzenofuran  
Concen: 1.060 ng/ul  
RT: 14.769 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6

Tgt Ion:168 Resp: 4348  
Ion Ratio Lower Upper  
168 100  
139 37.9 30.7 46.1

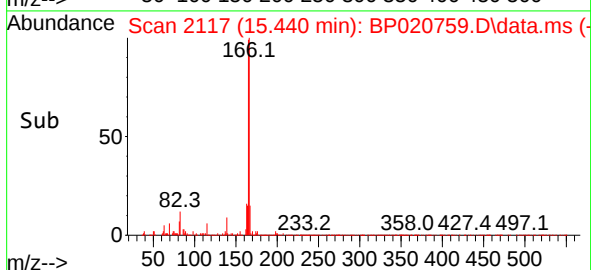
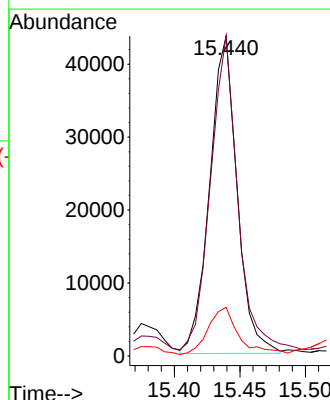
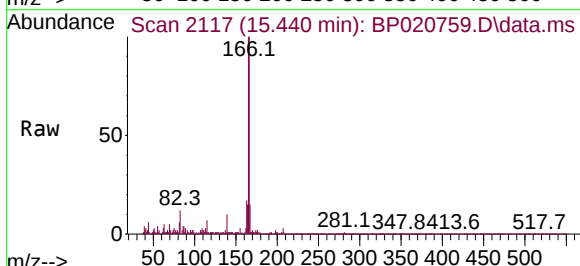
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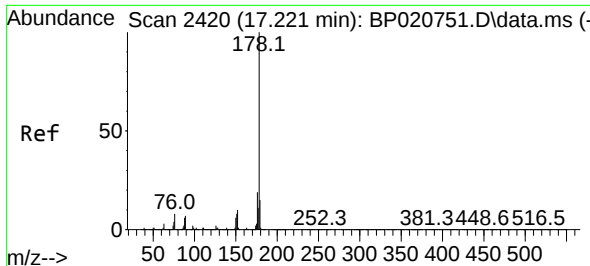
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#61  
Fluorene  
Concen: 1.923 ng/ul  
RT: 15.440 min Scan# 2117  
Delta R.T. 0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Tgt Ion:166 Resp: 63362  
Ion Ratio Lower Upper  
166 100  
165 100.1 78.8 118.2  
167 15.2 11.2 16.8





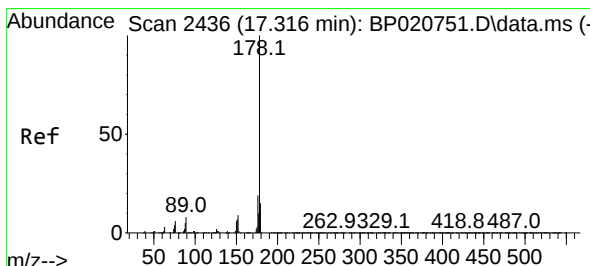
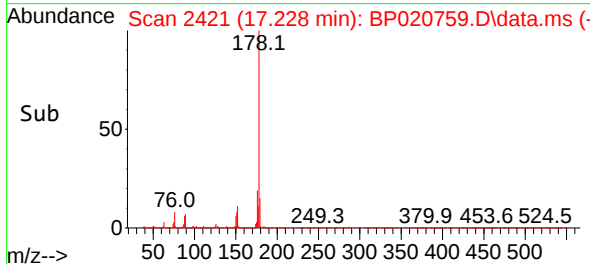
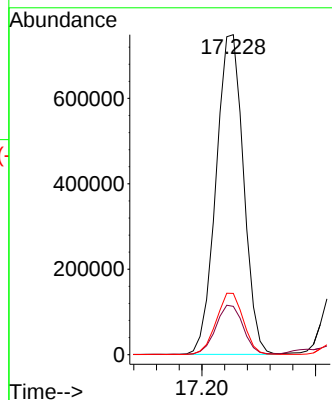
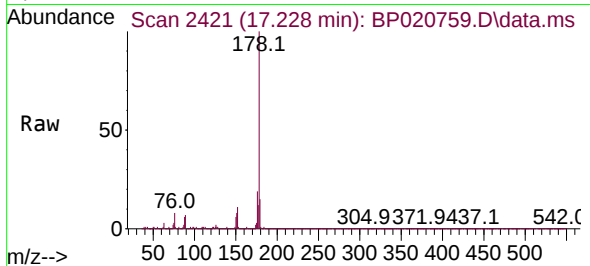
#72  
Phenanthrene  
Concen: 28.272 ng/ul  
RT: 17.228 min Scan# 2421  
Delta R.T. 0.000 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6

Tgt Ion:178 Resp: 125720  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.4 18.6  
176 19.1 15.4 23.2

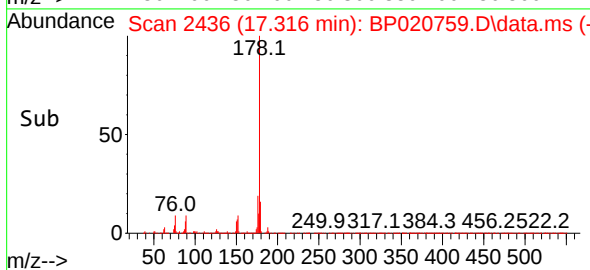
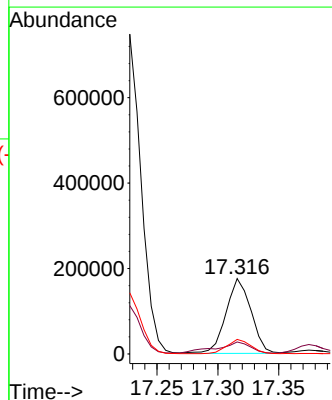
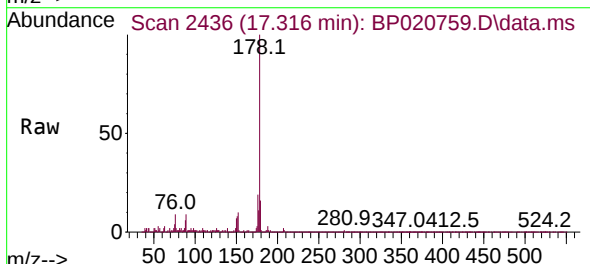
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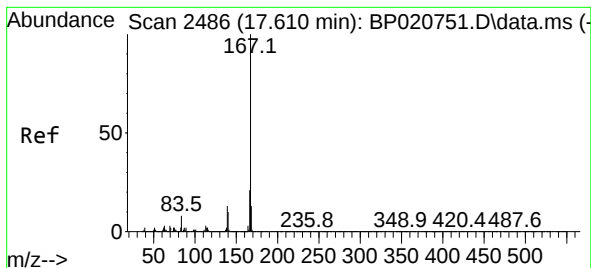
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#74  
Anthracene  
Concen: 5.507 ng/ul  
RT: 17.316 min Scan# 2436  
Delta R.T. 0.000 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Tgt Ion:178 Resp: 251891  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.1 18.1  
176 19.3 15.0 22.4





#77

Carbazole

Concen: 3.548 ng/ul

RT: 17.598 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

Instrument :

BNA\_P

ClientSampleId :

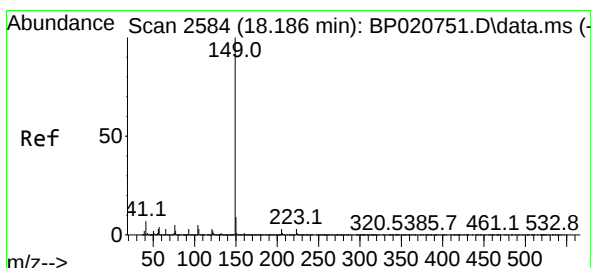
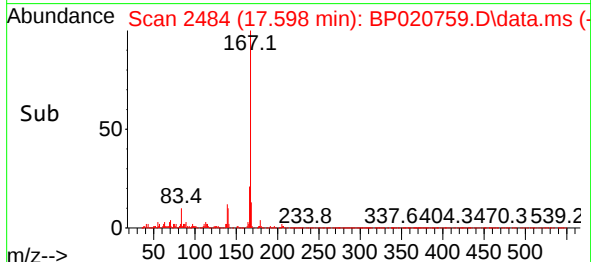
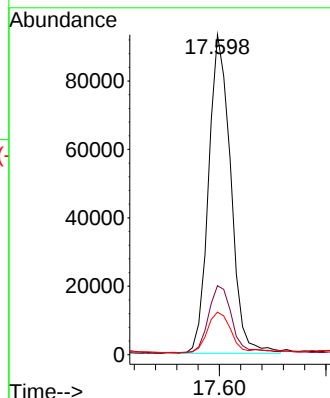
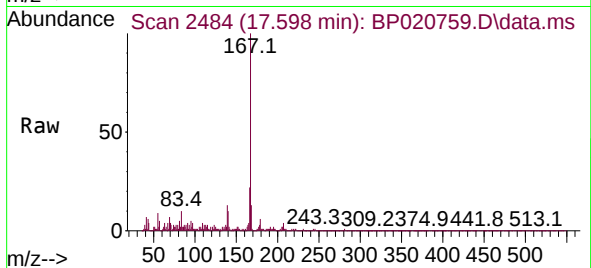
A4CX6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 13395 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 21.6  | 17.2  | 25.8  |
| 139       | 13.3  | 10.6  | 16.0  |

Manual Integrations

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#78

Di-n-butylphthalate

Concen: 1.508 ng/ul

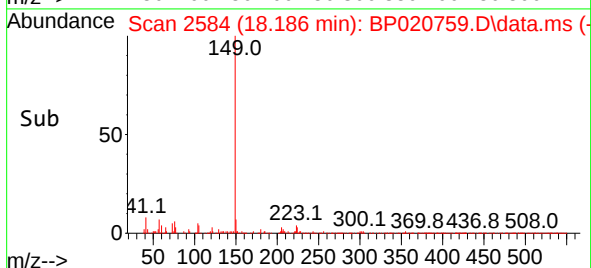
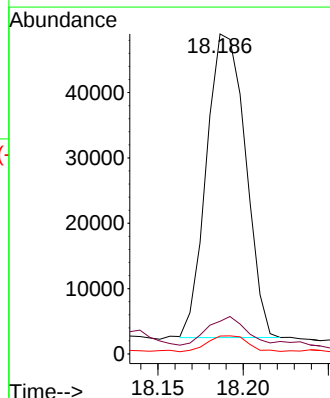
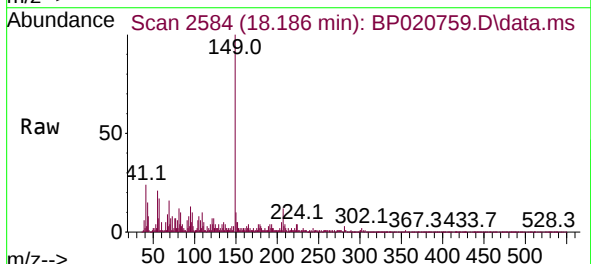
RT: 18.186 min Scan# 2584

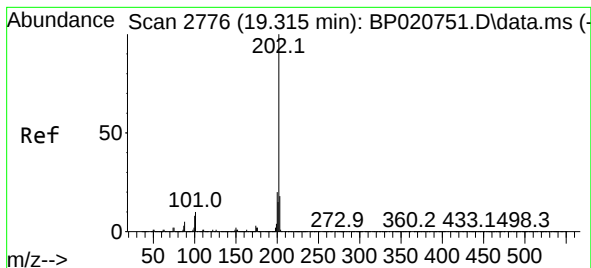
Delta R.T. -0.018 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

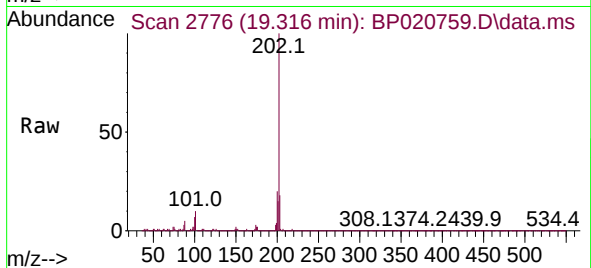
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 73935 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 150       | 10.2  | 7.4   | 11.0  |
| 104       | 5.6   | 4.1   | 6.1   |





#80  
Fluoranthene  
Concen: 52.113 ng/u1  
RT: 19.316 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

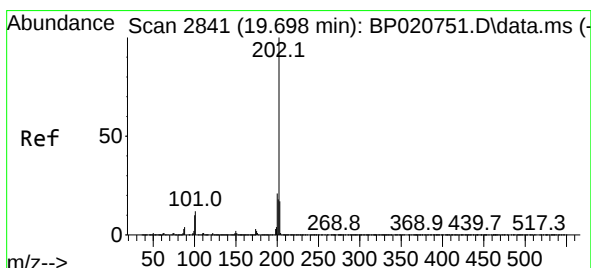
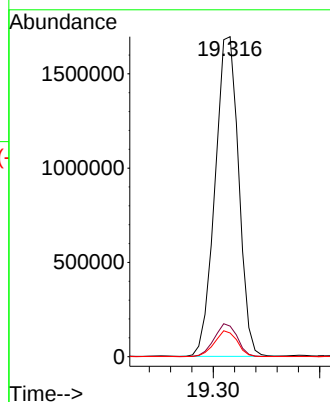
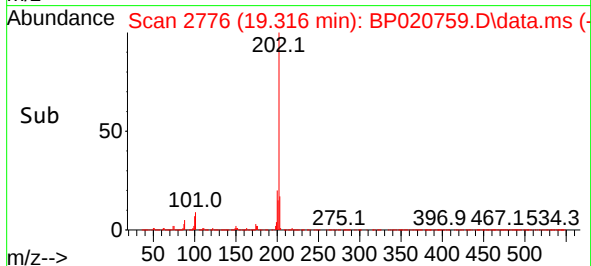
Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6



Tgt Ion:202 Resp: 2605862  
Ion Ratio Lower Upper  
202 100  
101 9.6 8.2 12.4  
100 7.4 6.6 10.0

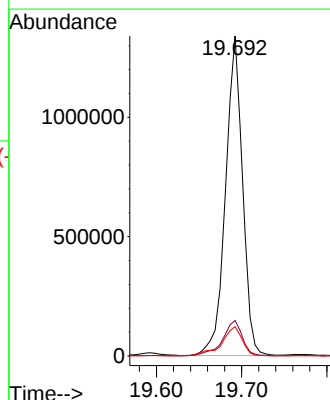
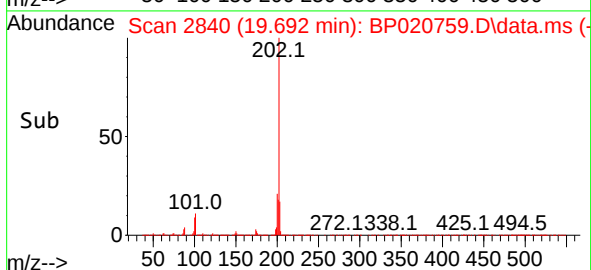
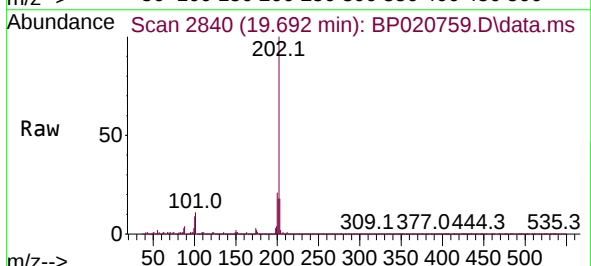
Manual Integrations  
APPROVED

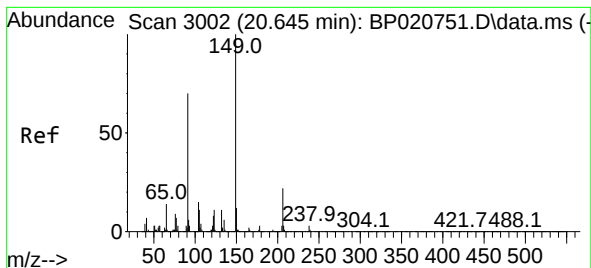
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#82  
Pyrene  
Concen: 36.219 ng/u1  
RT: 19.692 min Scan# 2840  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Tgt Ion:202 Resp: 1857442  
Ion Ratio Lower Upper  
202 100  
101 11.1 9.8 14.8  
100 9.1 7.9 11.9





#83

Butylbenzylphthalate

Concen: 2.710 ng/ul

RT: 20.645 min Scan# 3002

Delta R.T. -0.018 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

Instrument :

BNA\_P

ClientSampleId :

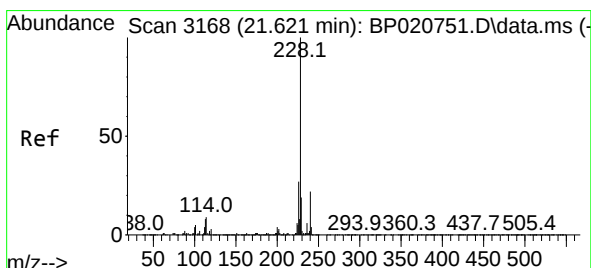
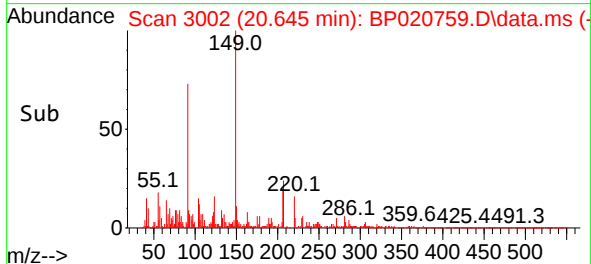
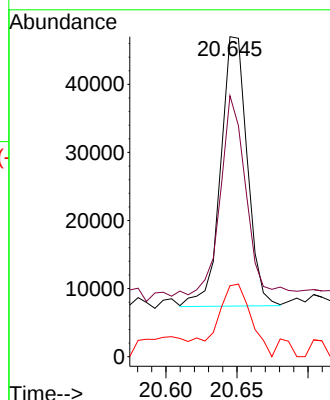
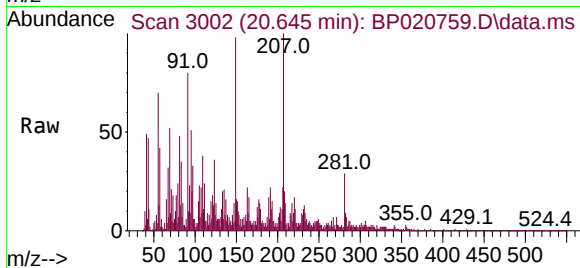
A4CX6

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 5160 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 91        | 81.5  | 58.0  | 87.0 |
| 206       | 22.2  | 17.3  | 25.9 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#85

Benzo(a)anthracene

Concen: 24.772 ng/ul

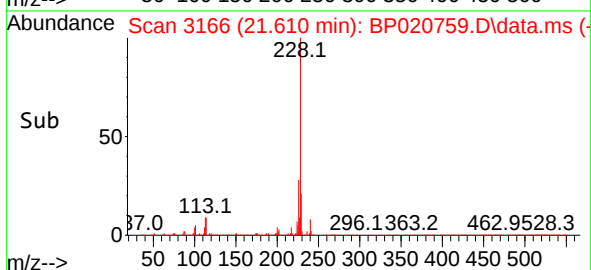
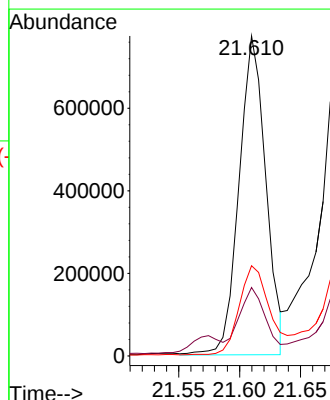
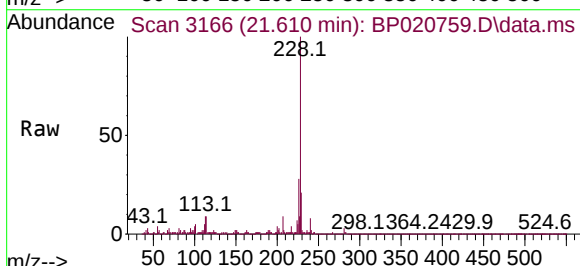
RT: 21.610 min Scan# 3166

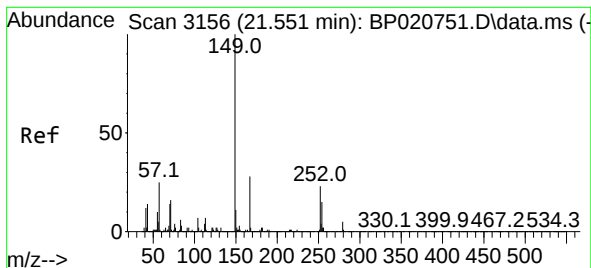
Delta R.T. -0.012 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

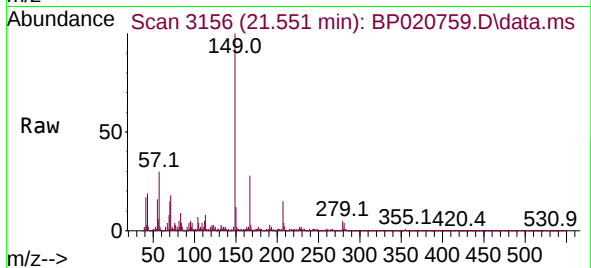
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 228   | Resp: | 1183142 |
| Ion Ratio | Lower | Upper |         |
| 228       | 100   |       |         |
| 229       | 21.4  | 15.2  | 22.8    |
| 226       | 28.2  | 21.1  | 31.7    |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 22.940 ng/ul  
RT: 21.551 min Scan# 3156  
Delta R.T. -0.018 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

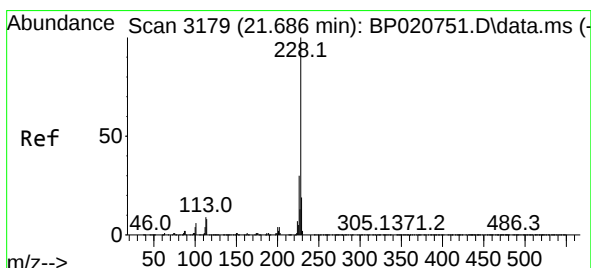
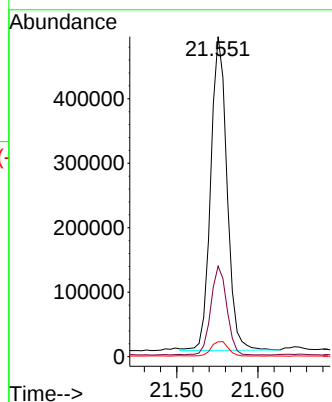
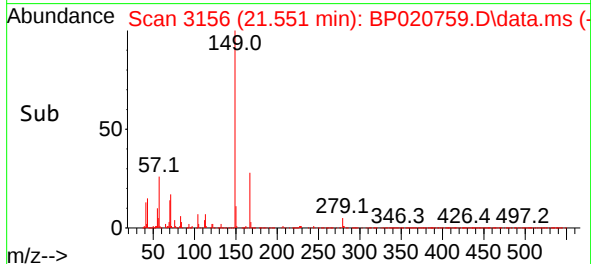
Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6



Tgt Ion:149 Resp: 67824  
Ion Ratio Lower Upper  
149 100  
167 28.3 22.0 33.0  
279 4.6 3.3 4.9

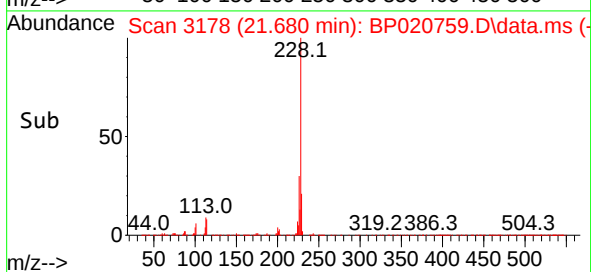
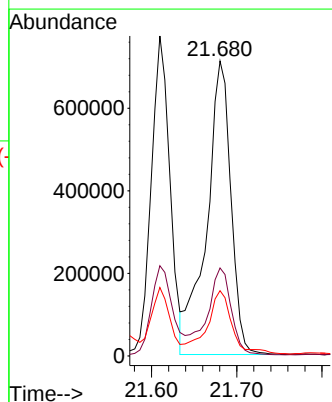
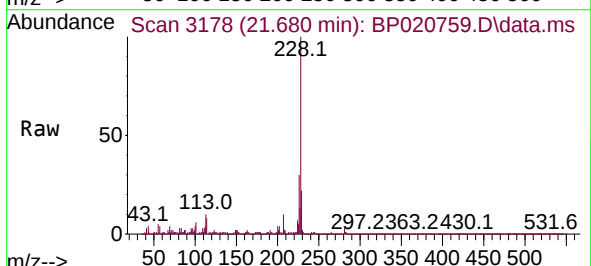
Manual Integrations  
APPROVED

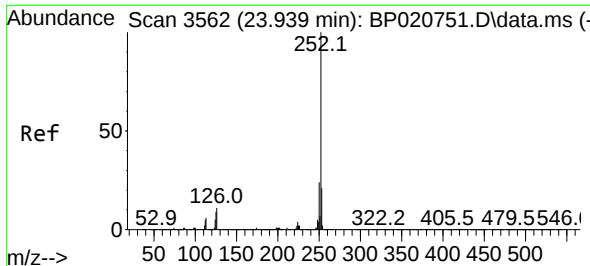
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#87  
Chrysene  
Concen: 31.223 ng/ul  
RT: 21.680 min Scan# 3178  
Delta R.T. -0.012 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Tgt Ion:228 Resp: 1409595  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.8 35.6  
229 22.1 16.1 24.1





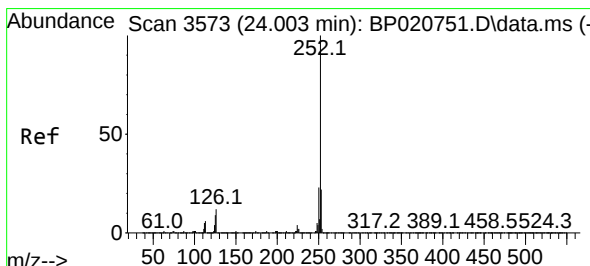
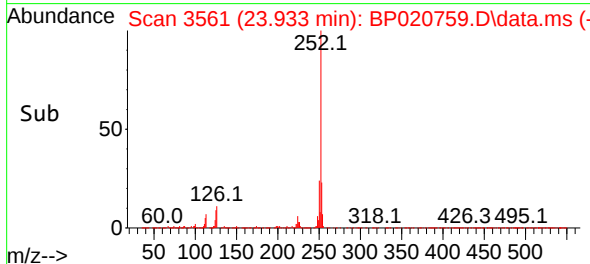
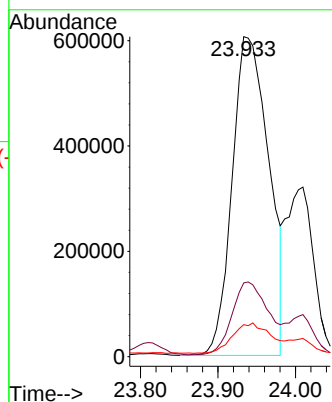
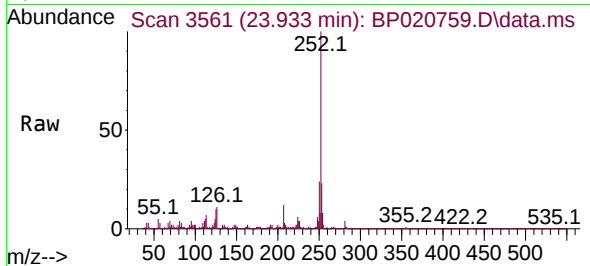
#90  
Benzo(b)fluoranthene  
Concen: 37.849 ng/ul  
RT: 23.933 min Scan# 3562  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6

Tgt Ion:252 Resp: 1989304  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.5 26.3  
125 10.0 7.9 11.9

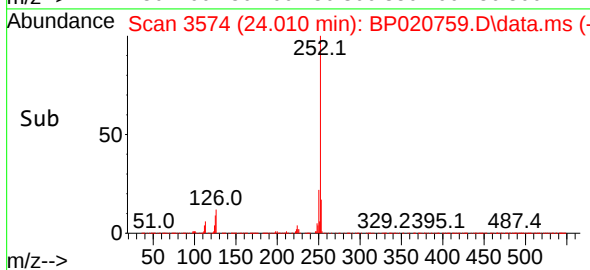
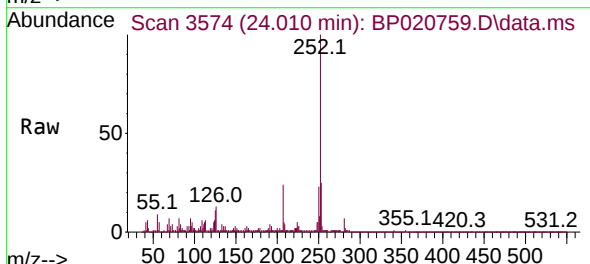
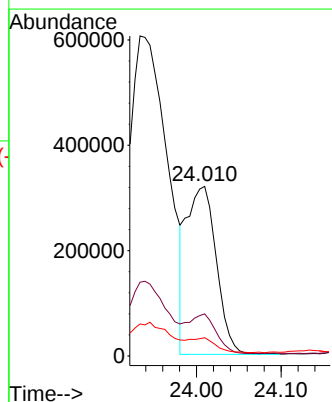
Manual Integrations  
APPROVED

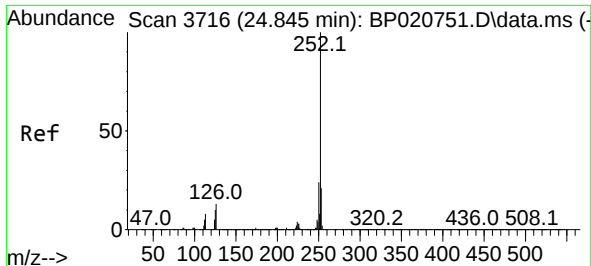
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#91  
Benzo(k)fluoranthene  
Concen: 14.704 ng/ul m  
RT: 24.010 min Scan# 3574  
Delta R.T. 0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

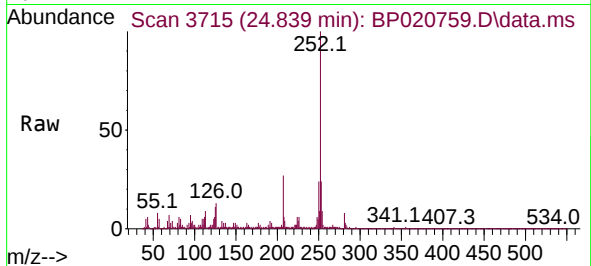
Tgt Ion:252 Resp: 781778  
Ion Ratio Lower Upper  
252 100  
253 24.8 17.6 26.4  
125 10.8 7.9 11.9





#93  
Benzo(a)pyrene  
Concen: 14.938 ng/ul  
RT: 24.839 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49

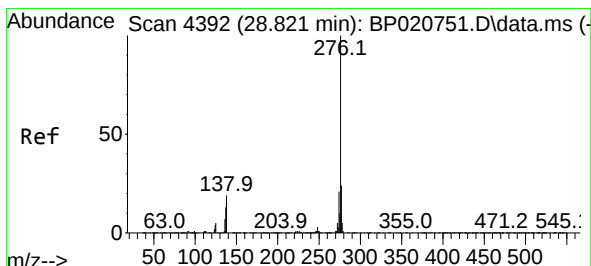
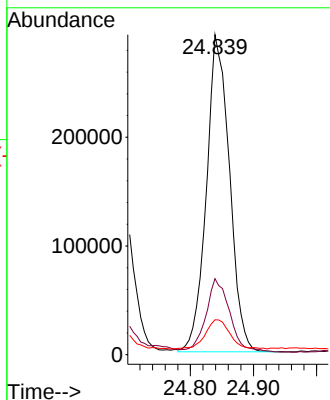
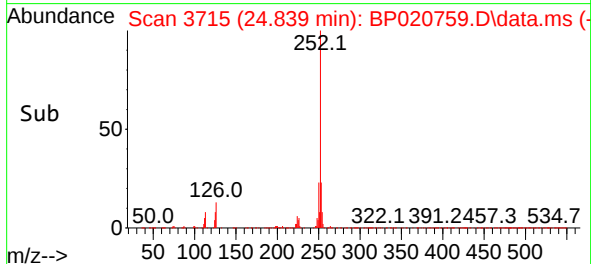
Instrument :  
BNA\_P  
ClientSampleId :  
A4CX6



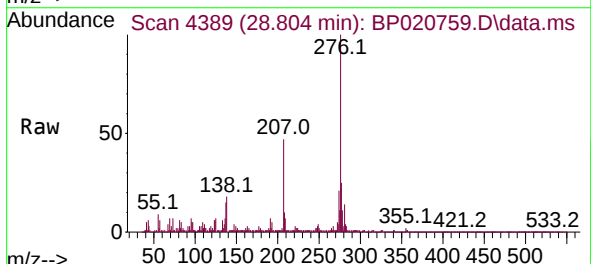
Tgt Ion:252 Resp: 741154  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.4 26.2  
125 10.9 8.7 13.1

Manual Integrations  
APPROVED

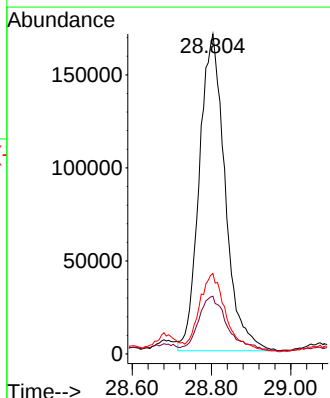
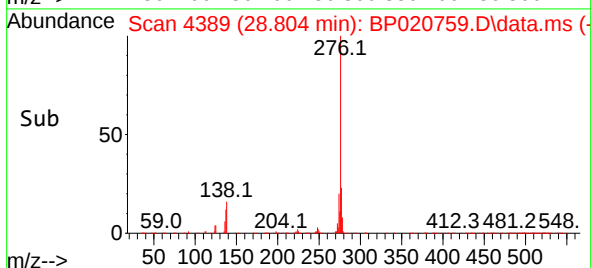
Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024

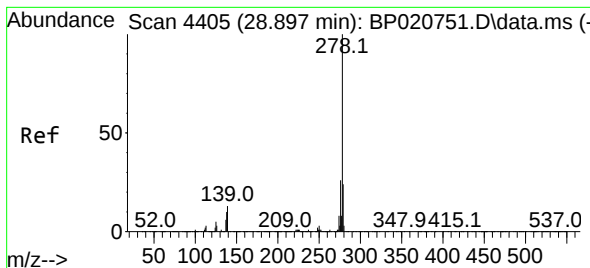


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 12.056 ng/ul  
RT: 28.804 min Scan# 4389  
Delta R.T. -0.012 min  
Lab File: BP020759.D  
Acq: 02 Jul 2024 20:49



Tgt Ion:276 Resp: 767210  
Ion Ratio Lower Upper  
276 100  
138 18.1 15.2 22.8  
277 25.1 19.0 28.4





#95

Dibenzo(a,h)anthracene

Concen: 5.166 ng/ul m

RT: 28.856 min Scan# 4

Delta R.T. -0.041 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

Instrument :

BNA\_P

ClientSampleId :

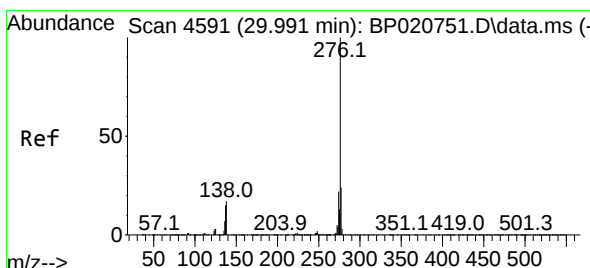
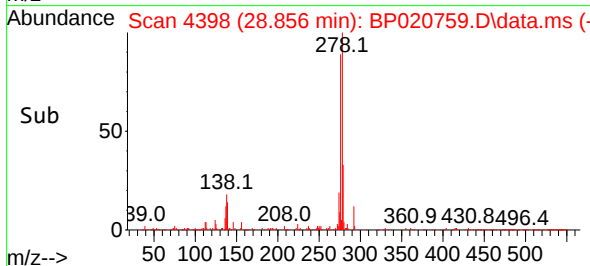
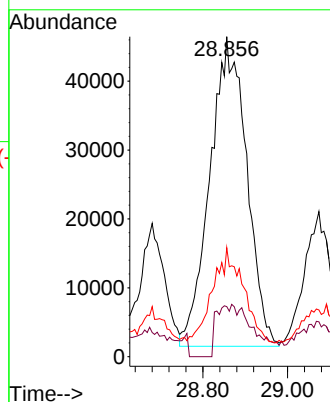
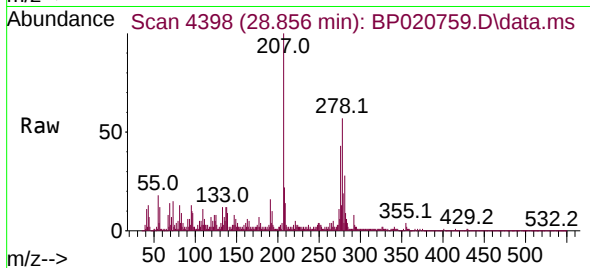
A4CX6

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 27019 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 15.6  | 11.1  | 16.7  |
| 279       | 34.1  | 18.7  | 28.1  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024  
Supervised By :mohammad ahmed 07/04/2024



#96

Benzo(g,h,i)perylene

Concen: 2.011 ng/ul m

RT: 29.992 min Scan# 4591

Delta R.T. -0.012 min

Lab File: BP020759.D

Acq: 02 Jul 2024 20:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 104499 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 26.2  | 16.4  | 24.6#  |
| 277       | 28.4  | 18.7  | 28.1#  |

