

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011458.D  
 Acq On : 17 Aug 2022 12:30  
 Operator : CG/JU  
 Sample : N4173-01DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7N7DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022

Quant Time: Aug 17 23:26:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.557  | 152  | 116130   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.345 | 136  | 527489   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.233 | 164  | 295651   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.004 | 188  | 569593   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.139 | 240  | 485288   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.433 | 264  | 496130   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.069  | 96   | 2499     | 0.668  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.746  | 99   | 50431    | 4.726  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.910  | 67   | 31278    | 4.511  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.093  | 132  | 38579    | 4.915  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.281  | 113  | 41962    | 4.913  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.722  | 128  | 19161    | 5.046  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.440  | 143  | 19408    | 5.022  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.975  | 165  | 36684    | 5.142  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.510 | 131  | 10153    | 0.855  | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.657 | 166  | 129634   | 6.199  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.922 | 160  | 137773   | 5.928  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.463 | 143  | 10842m   | 2.691  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.233 | 176  | 109859   | 6.245  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/u1  |          |
| 73) Anthracene-d10            | 17.104 | 188  | 174683   | 6.925  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.369 | 212  | 186340   | 7.589  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.286 | 264  | 170935   | 7.083  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.298 | 153  | 20084    | 1.086  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.045 | 178  | 274849   | 8.915  | ng/u1  | 99       |
| 74) Anthracene                | 17.139 | 178  | 54920    | 1.766  | ng/u1  | 97       |
| 77) Carbazole                 | 17.422 | 167  | 32679    | 1.117  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.039 | 202  | 717214   | 23.753 | ng/u1  | 99       |
| 82) Pyrene                    | 19.398 | 202  | 684373   | 21.571 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.121 | 228  | 540651   | 18.286 | ng/u1  | 99       |
| 87) Chrysene                  | 21.174 | 228  | 623059   | 21.452 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 22.739 | 252  | 1108458  | 35.917 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 22.780 | 252  | 350664   | 11.907 | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 23.333 | 252  | 733883   | 24.357 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.798 | 276  | 642016   | 19.104 | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 25.809 | 278  | 176642   | 6.104  | ng/u1  | 95       |
| 96) Benzo(g,h,i)perylene      | 26.527 | 276  | 553956   | 19.378 | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

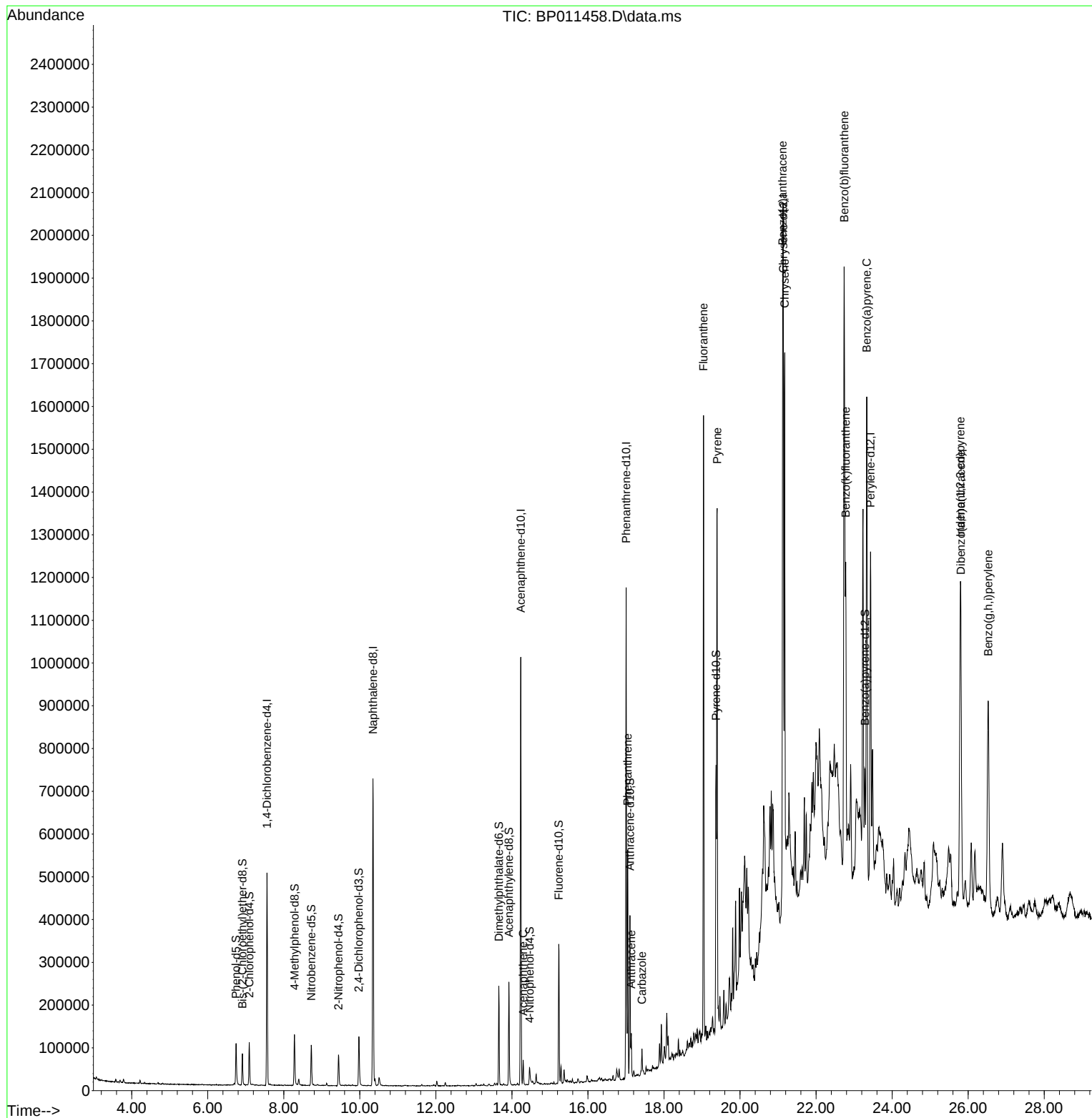
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081722\  
 Data File : BP011458.D  
 Acq On : 17 Aug 2022 12:30  
 Operator : CG/JU  
 Sample : N4173-01DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

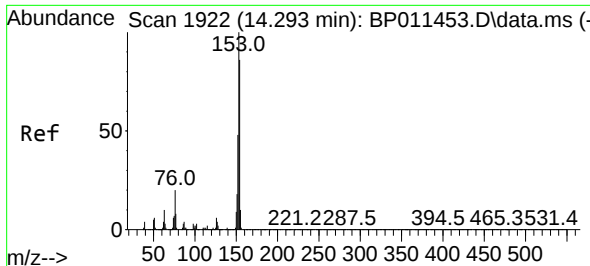
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7N7DL

Quant Time: Aug 17 23:26:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 17 01:58:37 2022  
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### Manual Integrations APPROVED

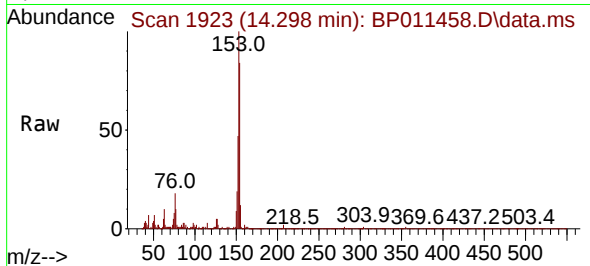
Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022





#52  
Acenaphthene  
Concen: 1.086 ng/u1  
RT: 14.298 min Scan# 1922  
Delta R.T. -0.000 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

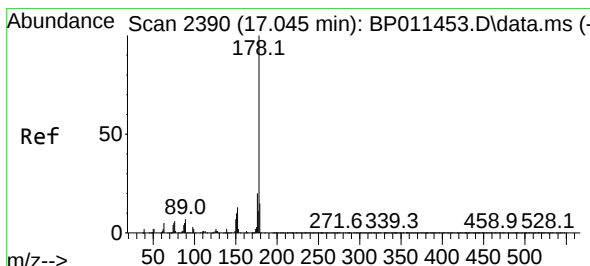
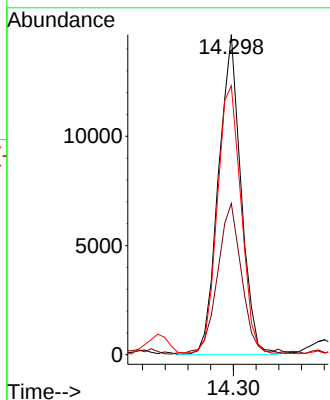
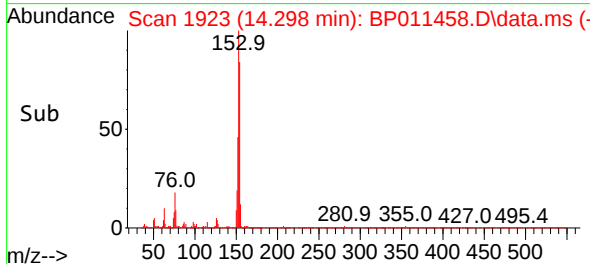
Instrument :  
BNA\_P  
ClientSampleId :  
EX7N7DL



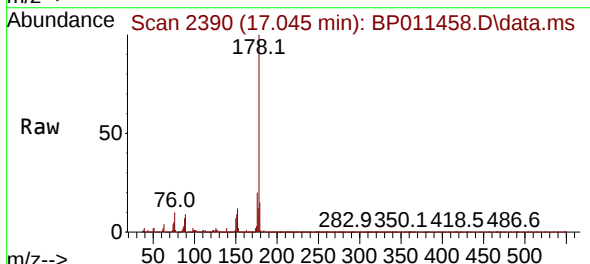
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Ion Ratio Lower Upper  
153 100  
152 47.2 37.7 56.5  
154 84.1 69.4 104.0

Manual Integrations  
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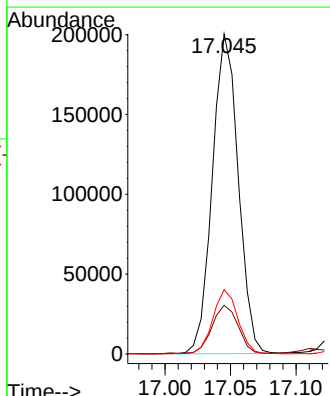
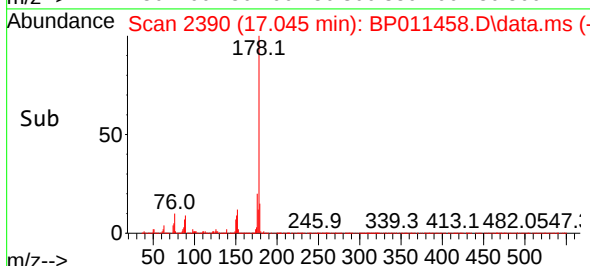
Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022

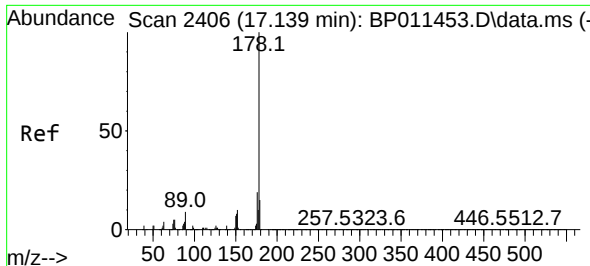


#72  
Phenanthrene  
Concen: 8.915 ng/u1  
RT: 17.045 min Scan# 2390  
Delta R.T. -0.000 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30



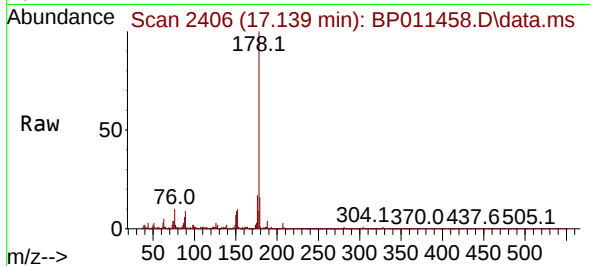
Tgt Ion:178 Resp: 274849  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.6 18.8  
176 20.1 15.8 23.8





#74  
 Anthracene  
 Concen: 1.766 ng/ul  
 RT: 17.139 min Scan# 2406  
 Delta R.T. -0.000 min  
 Lab File: BP011458.D  
 Acq: 17 Aug 2022 12:30

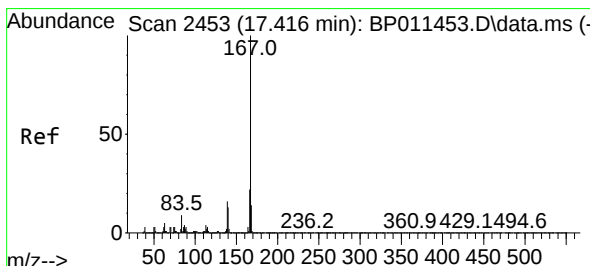
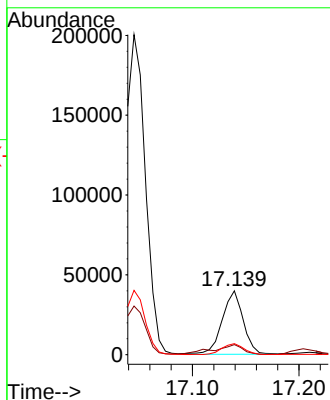
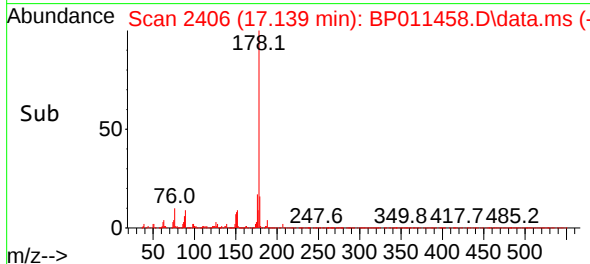
Instrument :  
 BNA\_P  
 ClientSampleId :  
 EX7N7DL



Tgt Ion:178 Resp: 54920  
 Ion Ratio Lower Upper  
 178 100  
 179 15.7 12.2 18.2  
 176 17.4 15.4 23.0

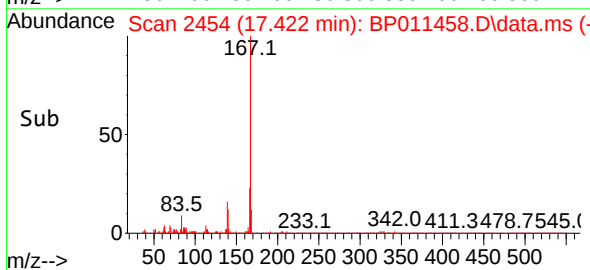
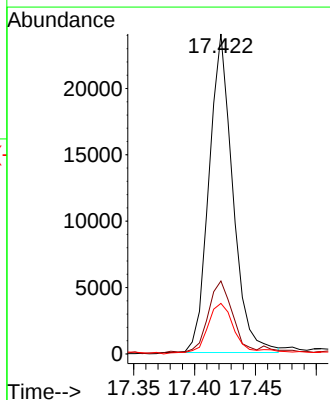
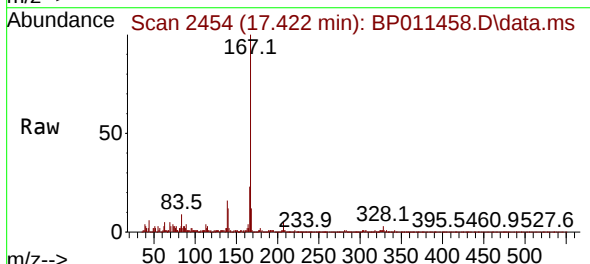
Manual Integrations  
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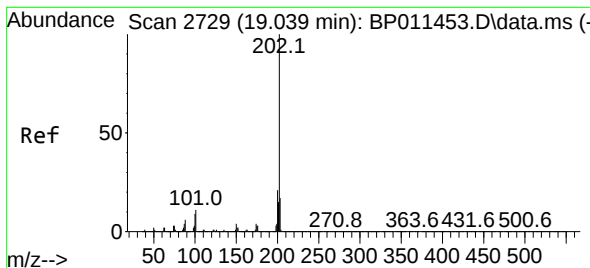
Reviewed By :Jagrut Upadhyay 08/18/2022  
 Supervised By :Sohil Jodhani 08/18/2022



#77  
 Carbazole  
 Concen: 1.117 ng/ul  
 RT: 17.422 min Scan# 2454  
 Delta R.T. -0.000 min  
 Lab File: BP011458.D  
 Acq: 17 Aug 2022 12:30

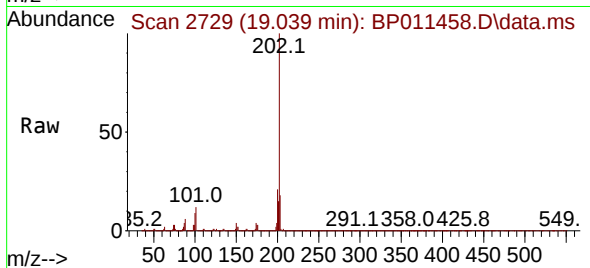
Tgt Ion:167 Resp: 32679  
 Ion Ratio Lower Upper  
 167 100  
 166 22.8 17.5 26.3  
 139 15.8 12.1 18.1





#80  
Fluoranthene  
Concen: 23.753 ng/u1  
RT: 19.039 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

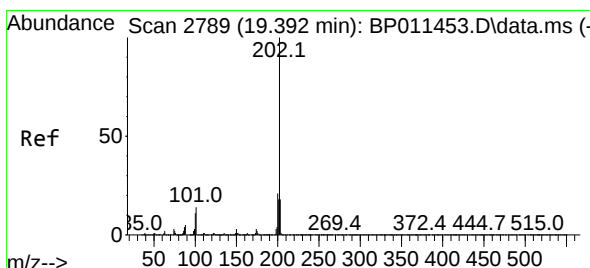
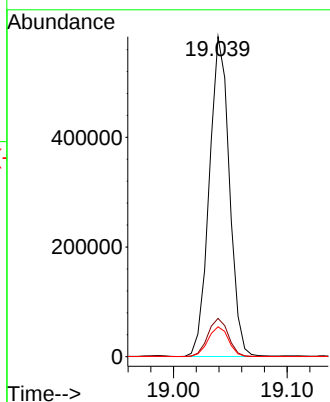
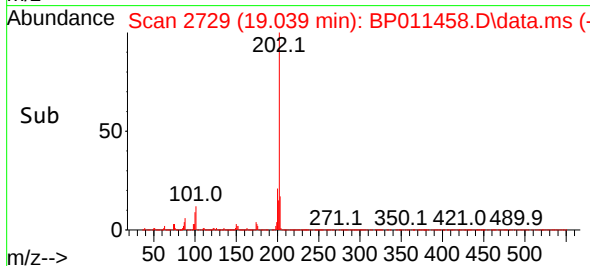
Instrument :  
BNA\_P  
ClientSampleId :  
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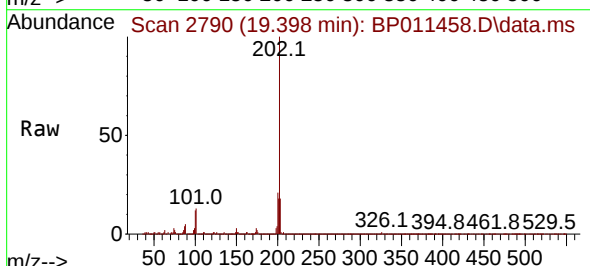
Tgt Ion:202 Resp: 717214  
Ion Ratio Lower Upper  
202 100  
101 12.0 9.5 14.3  
100 9.4 7.9 11.9

Manual Integrations  
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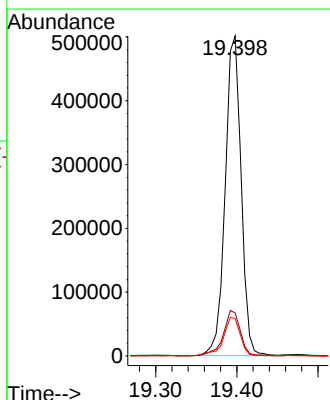
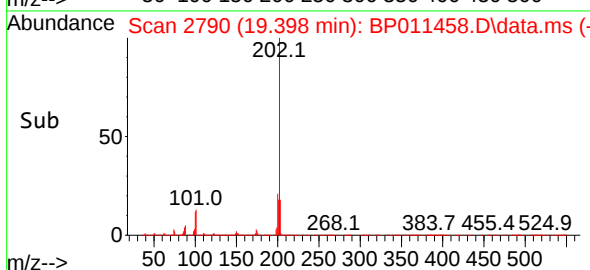
Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022

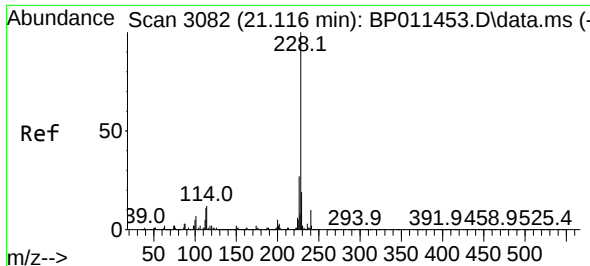


#82  
Pyrene  
Concen: 21.571 ng/u1  
RT: 19.398 min Scan# 2790  
Delta R.T. 0.006 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30



Tgt Ion:202 Resp: 684373  
Ion Ratio Lower Upper  
202 100  
101 13.5 11.4 17.2  
100 11.6 9.4 14.0





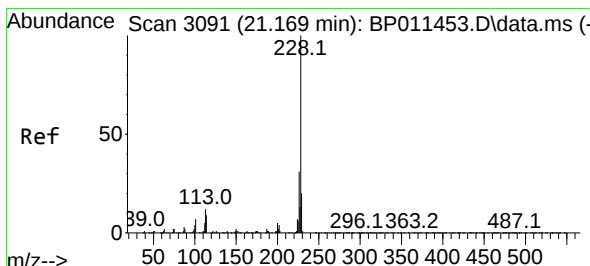
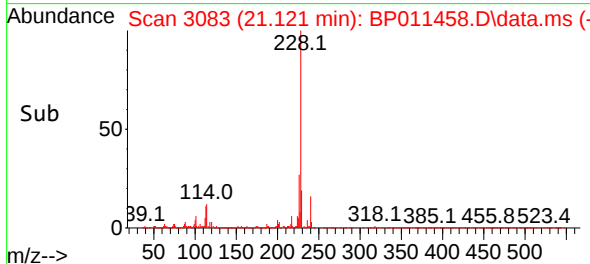
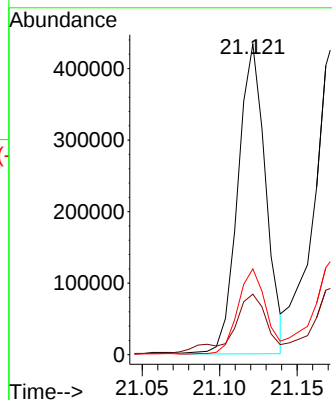
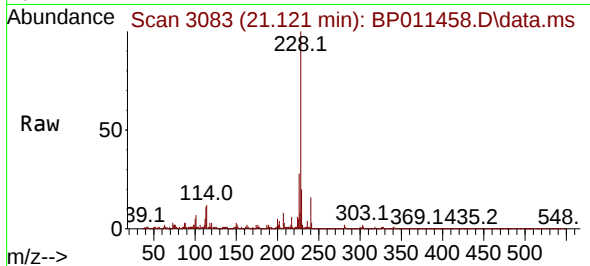
#85  
Benzo(a)anthracene  
Concen: 18.286 ng/u1  
RT: 21.121 min Scan# 3082  
Delta R.T. 0.006 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

Instrument :  
BNA\_P  
ClientSampleId :  
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Tgt Ion:228 Resp: 54065  
Ion Ratio Lower Upper  
228 100  
229 19.5 16.0 24.0  
226 27.6 22.6 33.8

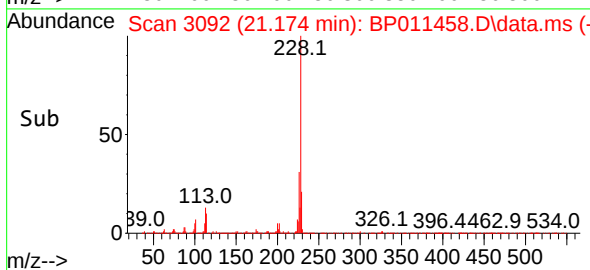
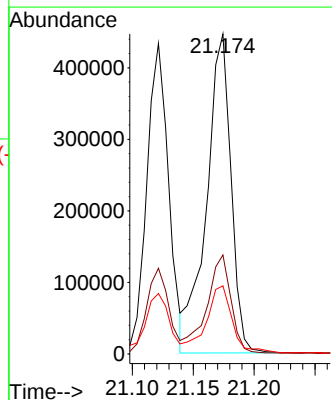
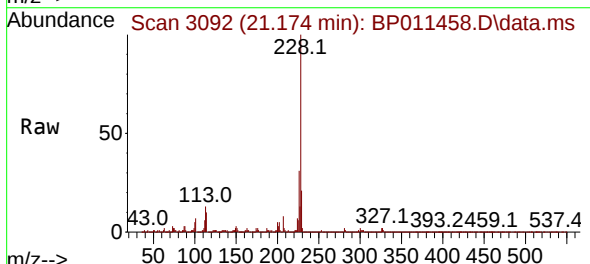
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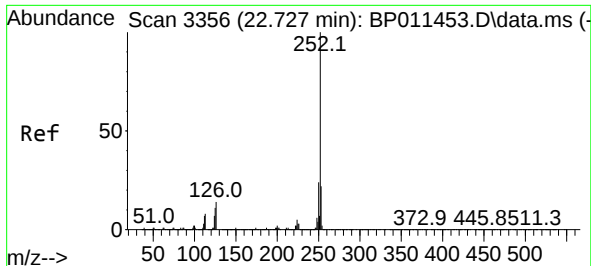
Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



#87  
Chrysene  
Concen: 21.452 ng/u1  
RT: 21.174 min Scan# 3092  
Delta R.T. 0.006 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

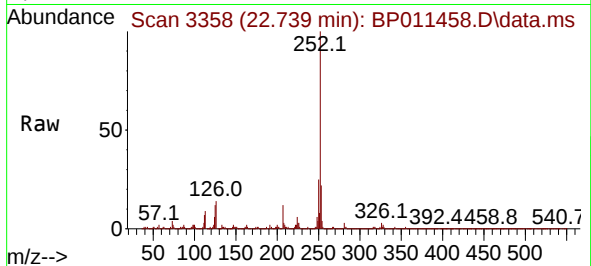
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Ion Ratio Lower Upper  
228 100  
226 31.0 23.9 35.9  
229 21.3 16.0 24.0





#90  
Benzo(b)fluoranthene  
Concen: 35.917 ng/ul  
RT: 22.739 min Scan# 3358  
Delta R.T. 0.011 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

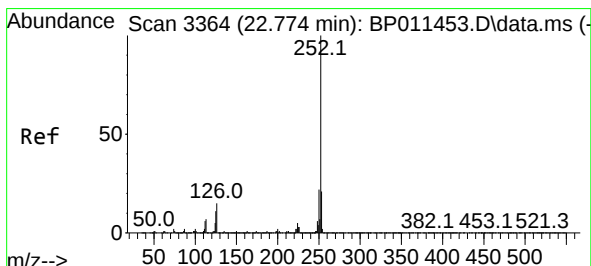
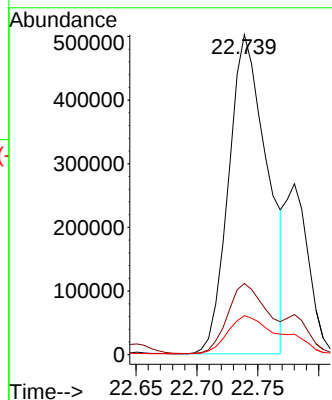
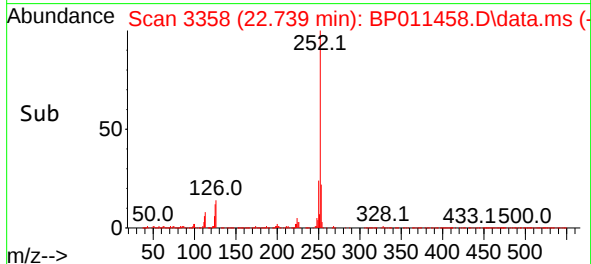
Instrument :  
BNA\_P  
ClientSampleId :  
EX7N7DL



Tgt Ion:252 Resp: 1108458  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 12.2 9.0 13.4

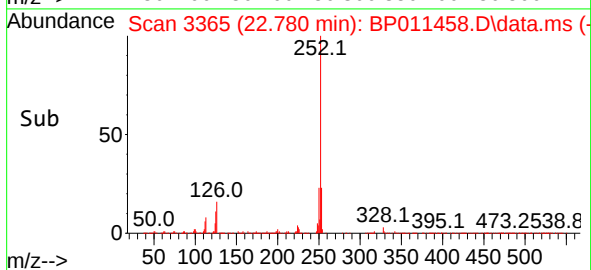
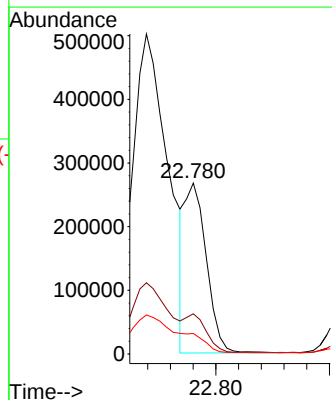
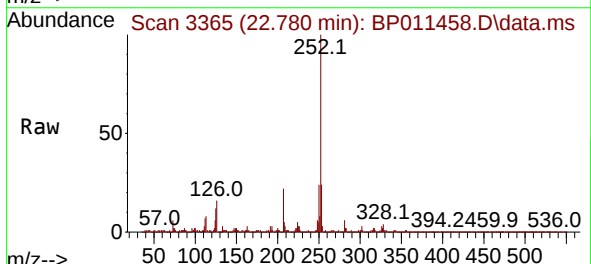
Manual Integrations  
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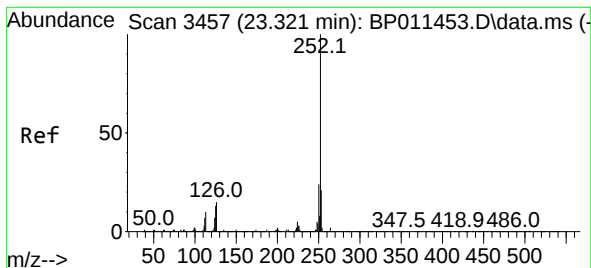
Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



#91  
Benzo(k)fluoranthene  
Concen: 11.907 ng/ul  
RT: 22.780 min Scan# 3365  
Delta R.T. 0.006 min  
Lab File: BP011458.D  
Acq: 17 Aug 2022 12:30

Tgt Ion:252 Resp: 350664  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.9 26.9  
125 12.0 9.8 14.8





#93

Benzo(a)pyrene

Concen: 24.357 ng/ul

RT: 23.333 min Scan# 3457

Delta R.T. 0.006 min

Lab File: BP011458.D

Acq: 17 Aug 2022 12:30

Instrument :

BNA\_P

ClientSampleId :

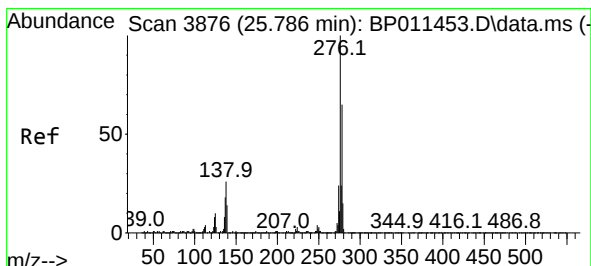
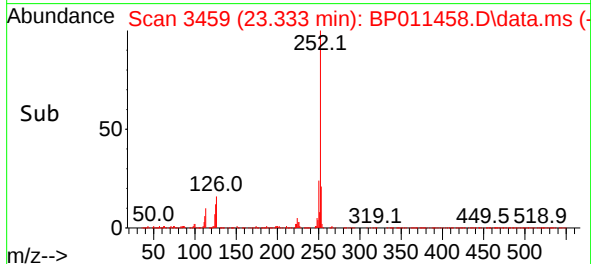
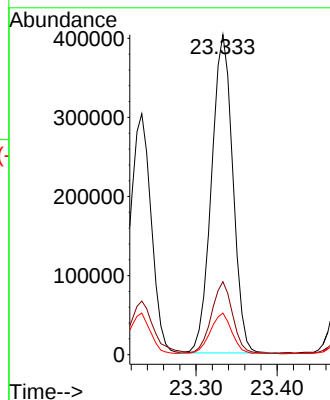
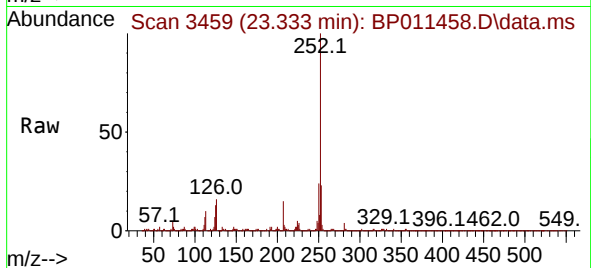
EX7N7DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 73388 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.8  | 16.8  | 25.2  |
| 125       | 13.0  | 9.9   | 14.9  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.104 ng/ul

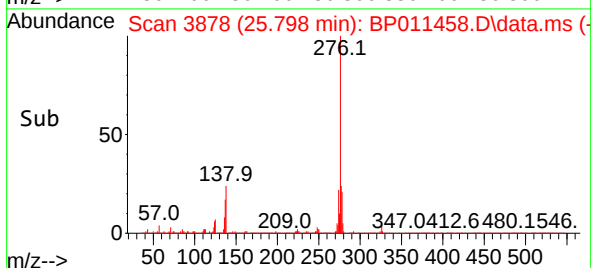
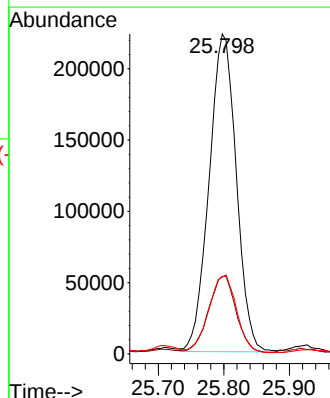
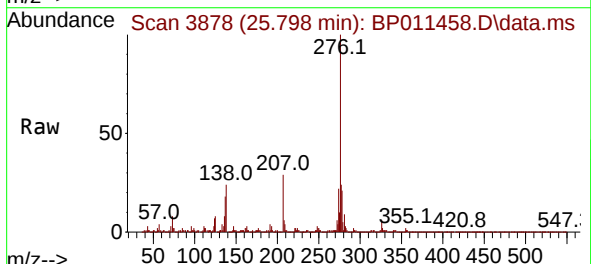
RT: 25.798 min Scan# 3878

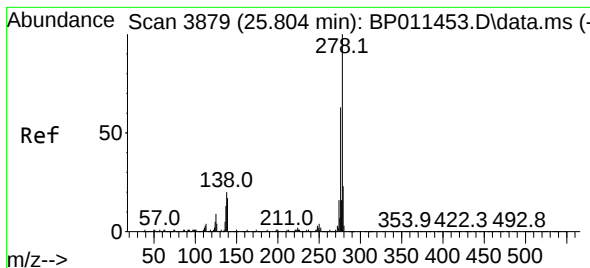
Delta R.T. 0.011 min

Lab File: BP011458.D

Acq: 17 Aug 2022 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 642016 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.3  | 20.2  | 30.4   |
| 277       | 24.0  | 20.1  | 30.1   |





#95

Dibenzo(a,h)anthracene

Concen: 6.104 ng/ul

RT: 25.809 min Scan# 3879

Delta R.T. 0.006 min

Lab File: BP011458.D

Acq: 17 Aug 2022 12:30

Instrument :

BNA\_P

ClientSampleId :

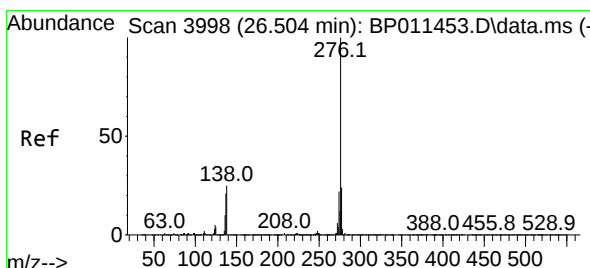
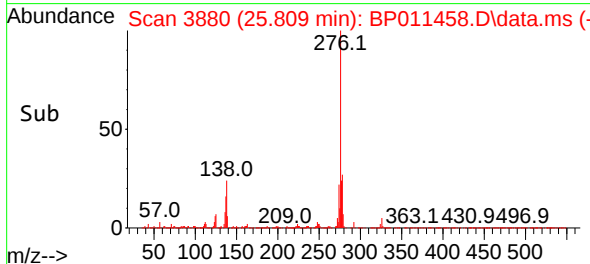
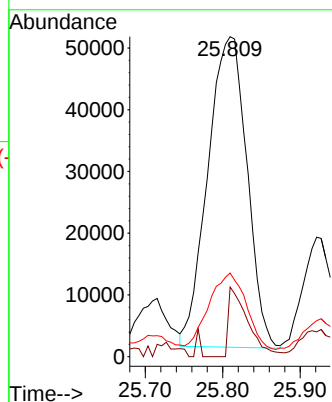
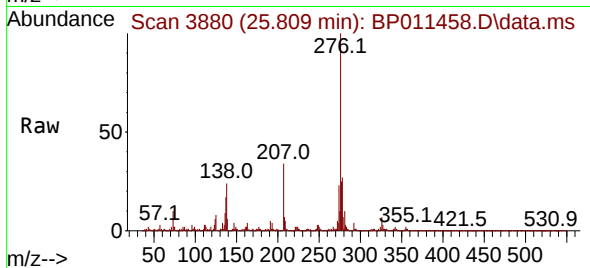
EX7N7DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 17664 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 21.7  | 15.4  | 23.0  |
| 279       | 26.2  | 19.3  | 28.9  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/18/2022  
Supervised By :Sohil Jodhani 08/18/2022



#96

Benzo(g,h,i)perylene

Concen: 19.378 ng/ul

RT: 26.527 min Scan# 4002

Delta R.T. 0.017 min

Lab File: BP011458.D

Acq: 17 Aug 2022 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 553956 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.8  | 19.4  | 29.2   |
| 277       | 24.1  | 19.1  | 28.7   |

