

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102022\  
 Data File : BP012250.D  
 Acq On : 21 Oct 2022 17:49  
 Operator : CG/JU  
 Sample : N5064-12  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0BH5

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2022  
 Supervised By :mohammad ahmed 10/24/2022

Quant Time: Oct 21 22:33:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101922.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 20 00:51:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.822  | 152  | 483321   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.628 | 136  | 2030901  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.475 | 164  | 1181790  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.233 | 188  | 2087403  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.327 | 240  | 1572973  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.733 | 264  | 1787614  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.258  | 96   | 34181    | 2.862  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.993  | 99   | 636883   | 15.263 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.158  | 67   | 453270   | 17.912 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.352  | 132  | 560780   | 17.656 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.534  | 113  | 423641   | 13.063 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 8.993  | 128  | 297277   | 19.775 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.710  | 143  | 296553   | 18.284 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.252 | 165  | 504918   | 16.596 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.775 | 131  | 218726   | 5.060  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.887 | 166  | 1539344  | 18.725 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.163 | 160  | 1829014  | 19.492 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.698 | 143  | 49600    | 3.221  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.469 | 176  | 1360560  | 19.238 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 200  | 66209    | 5.576  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.333 | 188  | 1778583  | 19.439 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.569 | 212  | 1702068  | 19.005 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.574 | 264  | 1684896  | 18.795 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.192 | 152  | 358284   | 3.427  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.275 | 178  | 1271935  | 11.337 | ng/u1  | 99       |
| 74) Anthracene                | 17.369 | 178  | 271144   | 2.443  | ng/u1  | 99       |
| 77) Carbazole                 | 17.645 | 167  | 127356   | 1.300  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 1704841  | 15.405 | ng/u1  | 97       |
| 82) Pyrene                    | 19.598 | 202  | 1428014  | 12.612 | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.310 | 228  | 710520   | 6.931  | ng/u1  | 97       |
| 87) Chrysene                  | 21.363 | 228  | 911691   | 9.530  | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 22.998 | 252  | 1449533  | 12.167 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.039 | 252  | 526549m  | 4.484  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.621 | 252  | 906218   | 8.895  | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.227 | 276  | 1016956  | 8.623  | ng/u1  | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.233 | 278  | 275734   | 2.593  | ng/u1# | 83       |
| 96) Benzo(g,h,i)perylene      | 26.998 | 276  | 871632   | 7.872  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

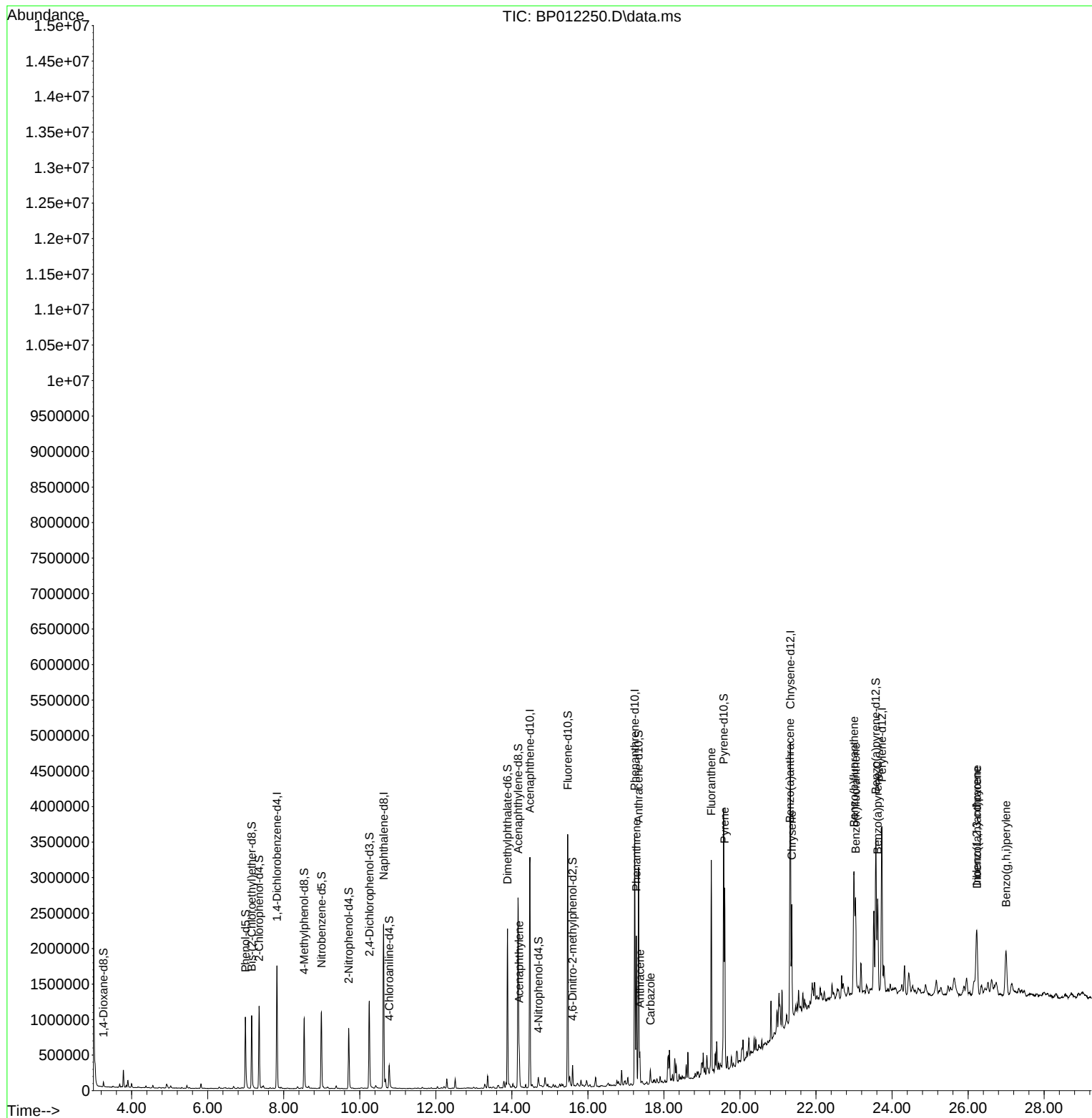
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102022\  
Data File : BP012250.D  
Acq On : 21 Oct 2022 17:49  
Operator : CG/JU  
Sample : N5064-12  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

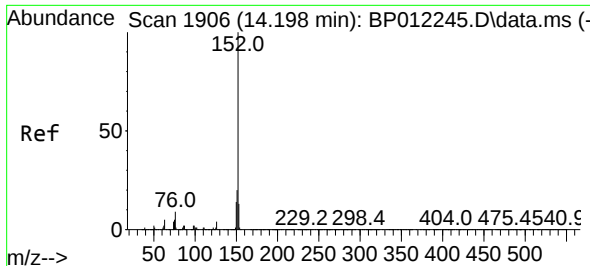
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

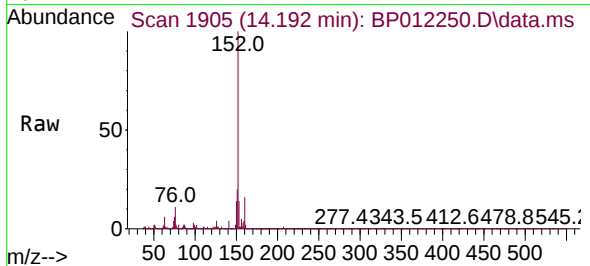
Quant Time: Oct 21 22:33:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101922.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 20 00:51:41 2022  
Response via : Initial Calibration





#50  
Acenaphthylene  
Concen: 3.427 ng/ul  
RT: 14.192 min Scan# 1905  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

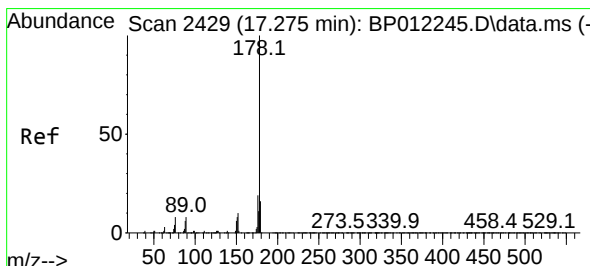
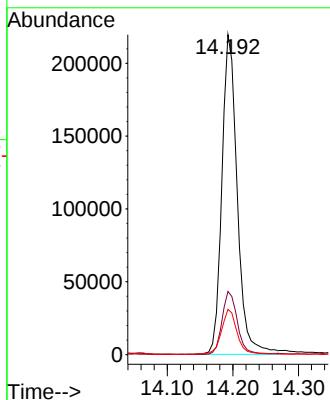
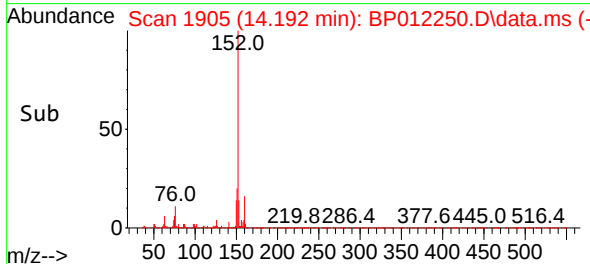
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5



Tgt Ion:152 Resp: 358284  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.8 23.8  
153 14.1 10.6 16.0

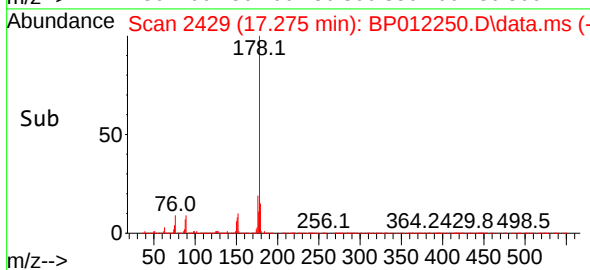
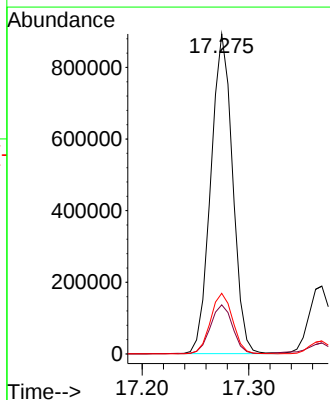
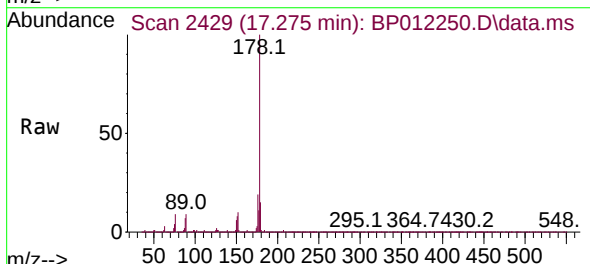
Manual Integrations  
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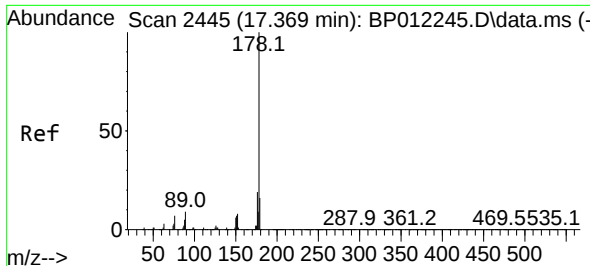
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#72  
Phenanthrene  
Concen: 11.337 ng/ul  
RT: 17.275 min Scan# 2429  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

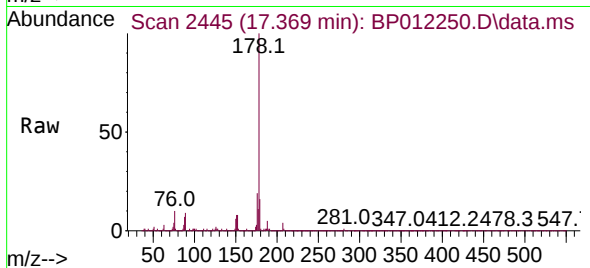
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Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 18.8  
176 18.9 15.6 23.4





#74  
 Anthracene  
 Concen: 2.443 ng/ul  
 RT: 17.369 min Scan# 2445  
 Delta R.T. -0.006 min  
 Lab File: BP012250.D  
 Acq: 21 Oct 2022 17:49

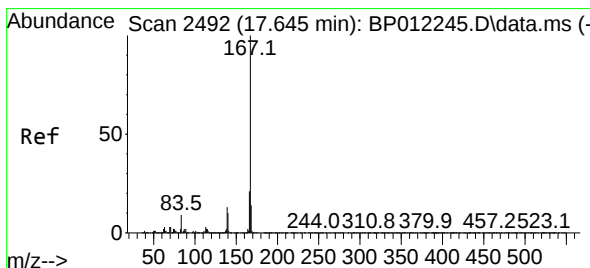
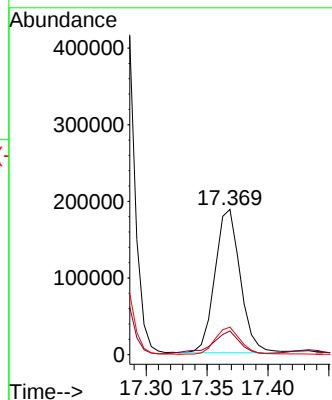
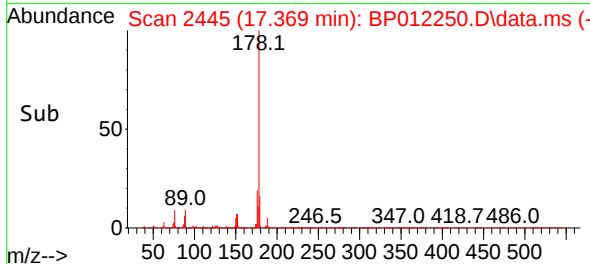
Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0BH5



Tgt Ion:178 Resp: 271144  
 Ion Ratio Lower Upper  
 178 100  
 179 16.3 12.3 18.5  
 176 18.9 15.0 22.4

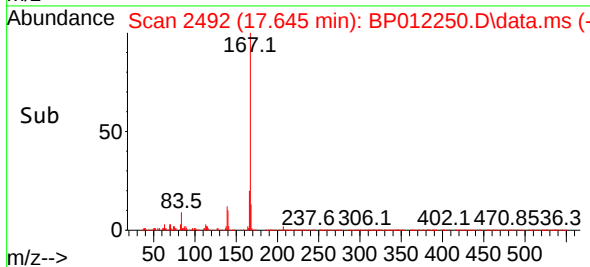
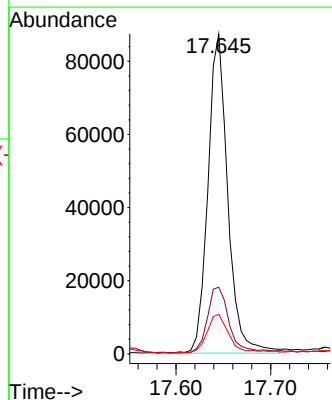
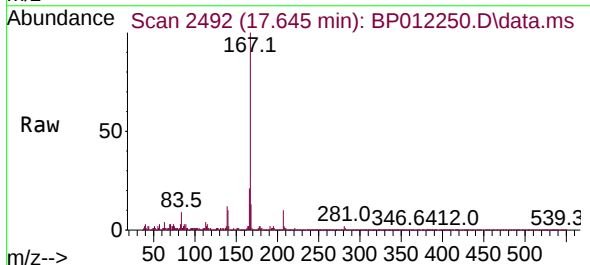
Manual Integrations  
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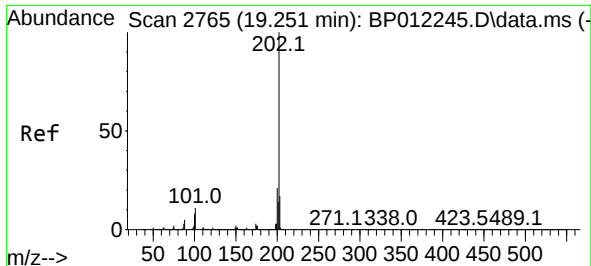
Reviewed By :Jagrut Upadhyay 10/24/2022  
 Supervised By :mohammad ahmed 10/24/2022



#77  
 Carbazole  
 Concen: 1.300 ng/ul  
 RT: 17.645 min Scan# 2492  
 Delta R.T. -0.006 min  
 Lab File: BP012250.D  
 Acq: 21 Oct 2022 17:49

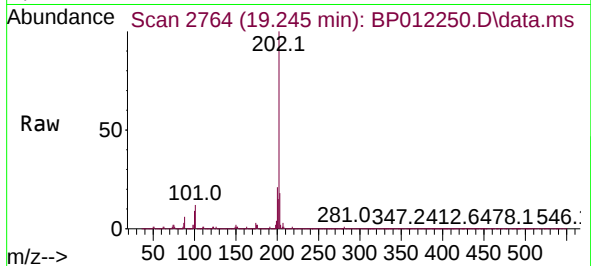
Tgt Ion:167 Resp: 127356  
 Ion Ratio Lower Upper  
 167 100  
 166 20.8 17.3 25.9  
 139 12.4 10.2 15.4





#80  
Fluoranthene  
Concen: 15.405 ng/u1  
RT: 19.245 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

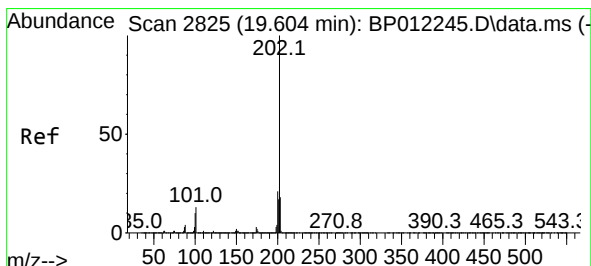
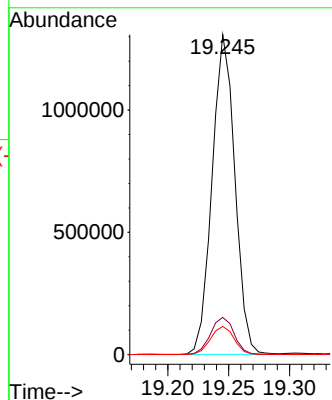
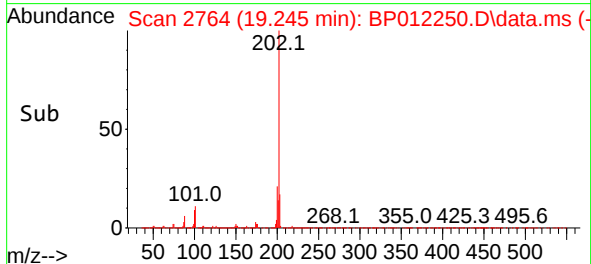
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5



Tgt Ion:202 Resp: 170484  
Ion Ratio Lower Upper  
202 100  
101 11.6 10.4 15.6  
100 8.8 7.7 11.5

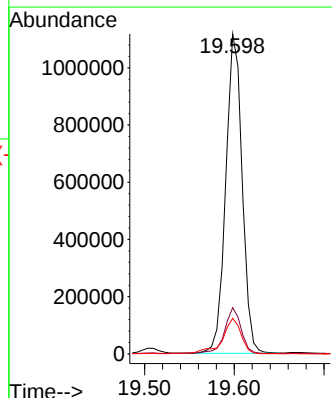
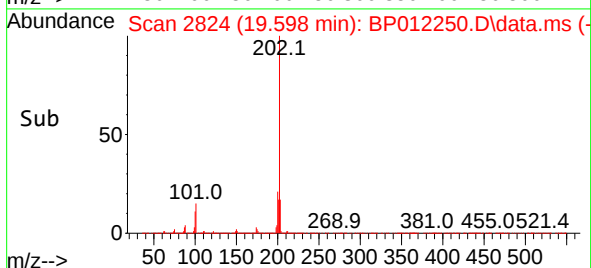
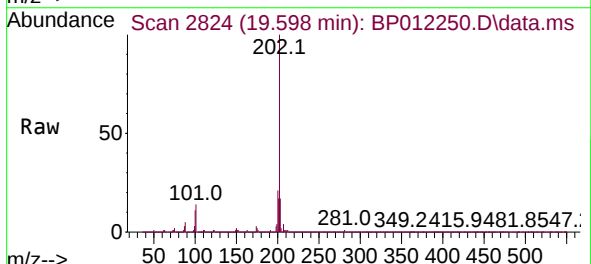
Manual Integrations  
APPROVED

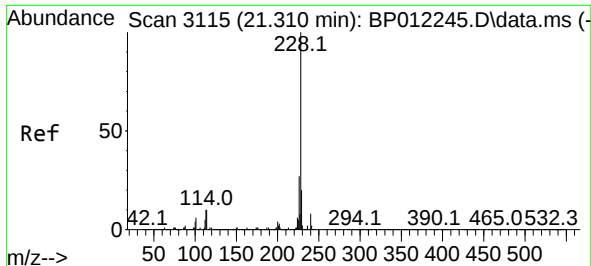
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#82  
Pyrene  
Concen: 12.612 ng/u1  
RT: 19.598 min Scan# 2824  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

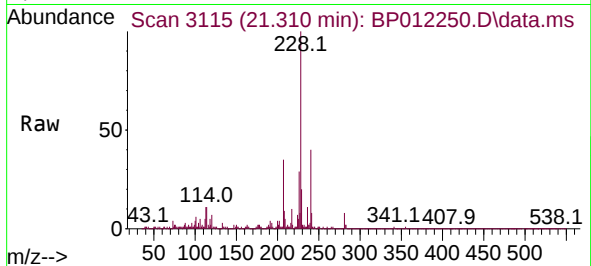
Tgt Ion:202 Resp: 1428014  
Ion Ratio Lower Upper  
202 100  
101 14.4 12.3 18.5  
100 11.1 10.0 15.0





#85  
Benzo(a)anthracene  
Concen: 6.931 ng/ul  
RT: 21.310 min Scan# 3115  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

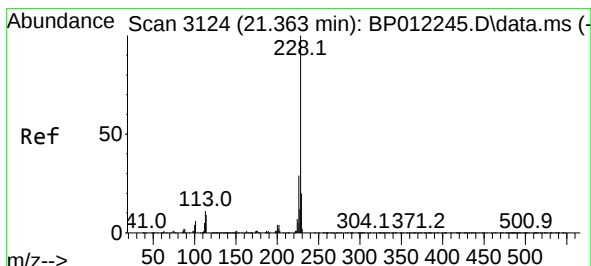
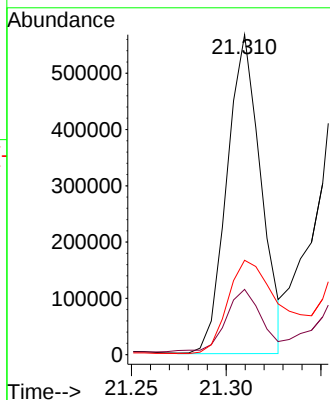
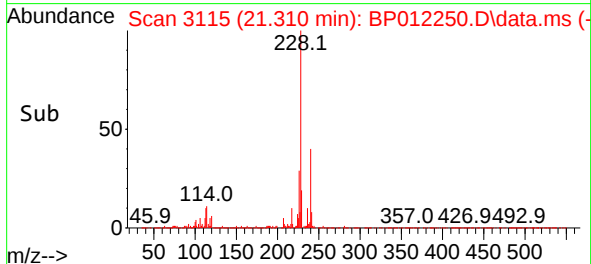
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5



Tgt Ion:228 Resp: 710520  
Ion Ratio Lower Upper  
228 100  
229 20.4 16.1 24.1  
226 29.5 21.9 32.9

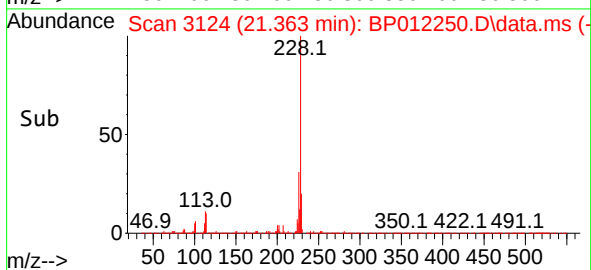
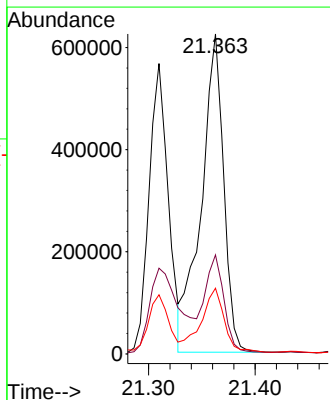
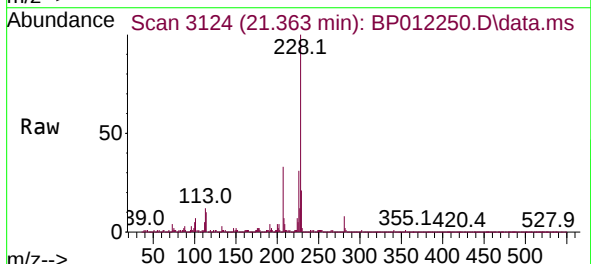
Manual Integrations  
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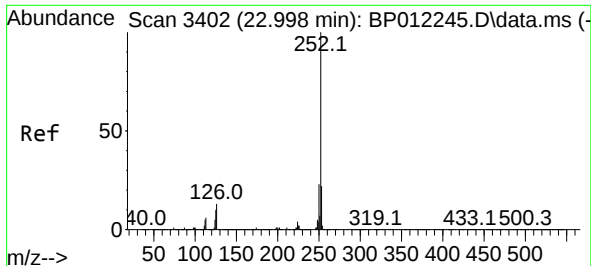
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#87  
Chrysene  
Concen: 9.530 ng/ul  
RT: 21.363 min Scan# 3124  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

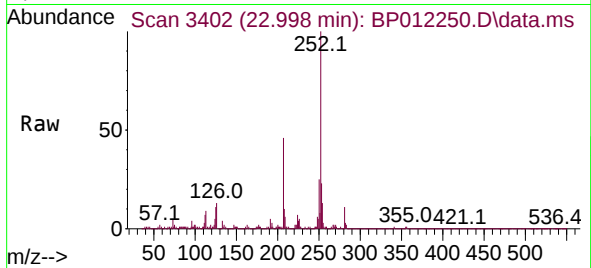
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Ion Ratio Lower Upper  
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226 30.9 24.2 36.4  
229 20.5 15.8 23.8





#90  
Benzo(b)fluoranthene  
Concen: 12.167 ng/ul  
RT: 22.998 min Scan# 3402  
Delta R.T. -0.006 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

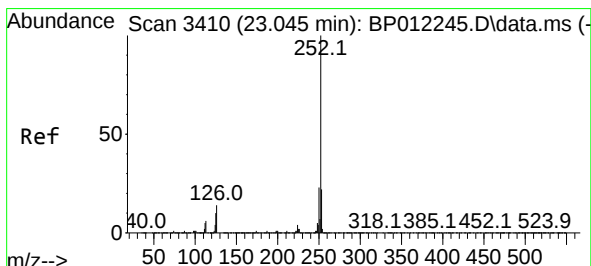
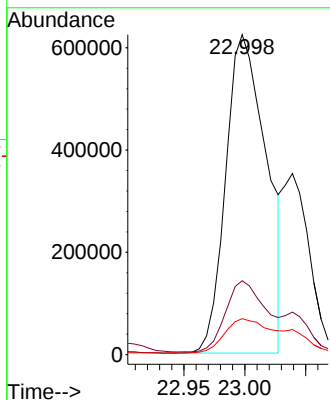
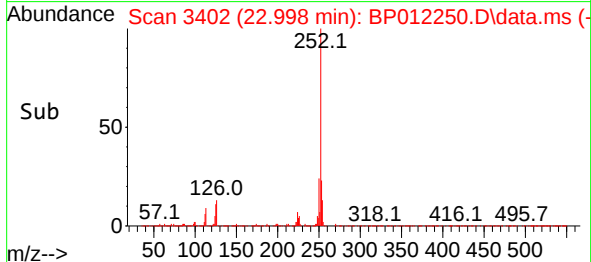
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5



Tgt Ion:252 Resp: 1449533  
Ion Ratio Lower Upper  
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253 23.1 17.5 26.3  
125 11.2 8.5 12.7

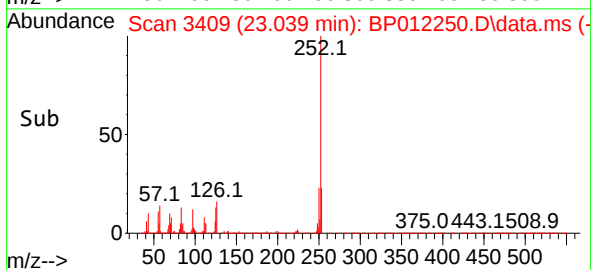
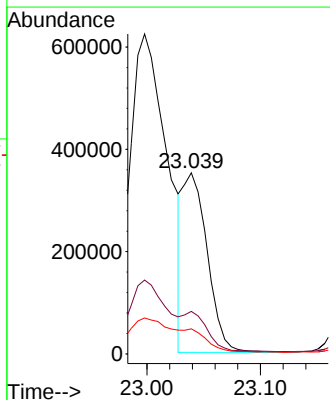
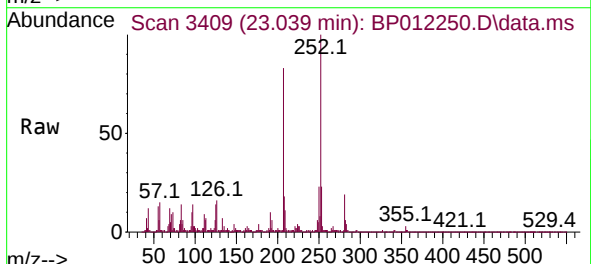
Manual Integrations  
APPROVED

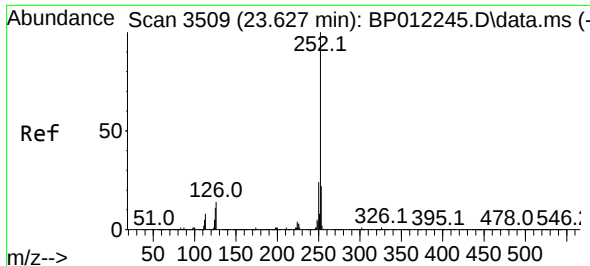
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#91  
Benzo(k)fluoranthene  
Concen: 4.484 ng/ul m  
RT: 23.039 min Scan# 3409  
Delta R.T. -0.012 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

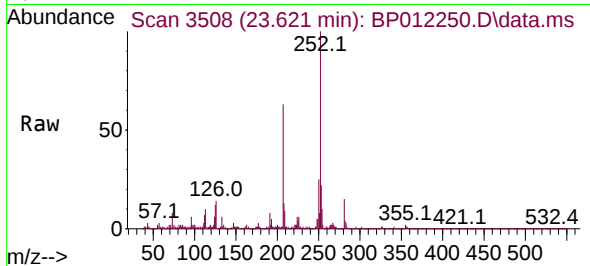
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Ion Ratio Lower Upper  
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253 23.5 17.9 26.9  
125 13.8 8.6 13.0#





#93  
Benzo(a)pyrene  
Concen: 8.895 ng/ul  
RT: 23.621 min Scan# 3508  
Delta R.T. -0.012 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

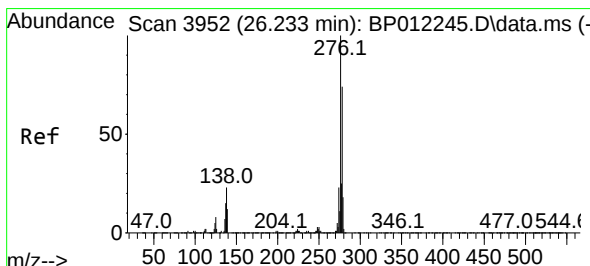
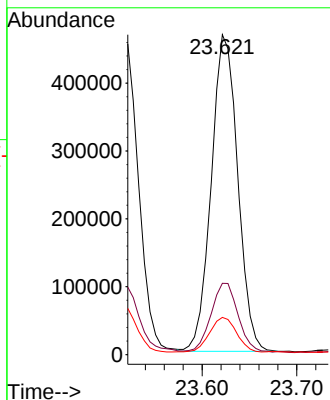
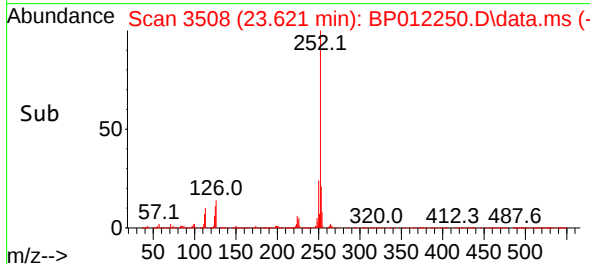
Instrument :  
BNA\_P  
ClientSampleId :  
C0BH5



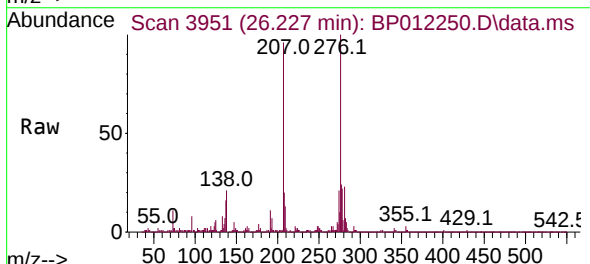
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125 11.6 9.7 14.5

Manual Integrations  
APPROVED

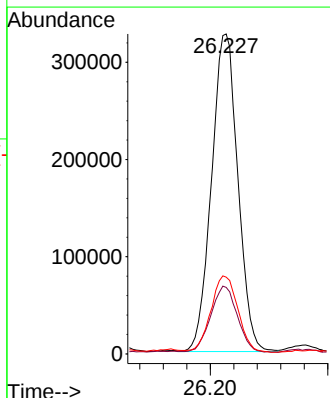
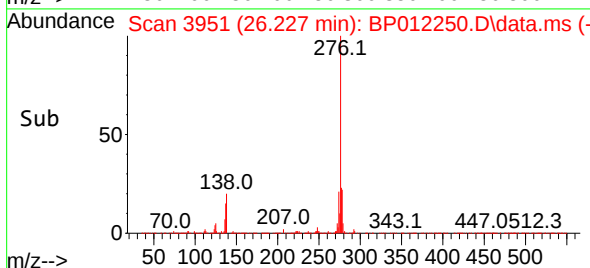
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

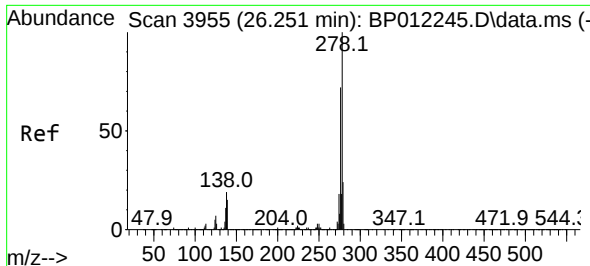


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 8.623 ng/ul  
RT: 26.227 min Scan# 3951  
Delta R.T. -0.018 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49



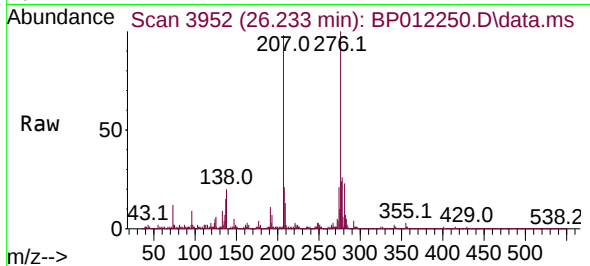
Tgt Ion:276 Resp: 1016956  
Ion Ratio Lower Upper  
276 100  
138 20.8 20.3 30.5  
277 24.0 20.2 30.4





#95  
Dibenzo(a,h)anthracene  
Concen: 2.593 ng/ul  
RT: 26.233 min Scan# 3955  
Delta R.T. -0.029 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49

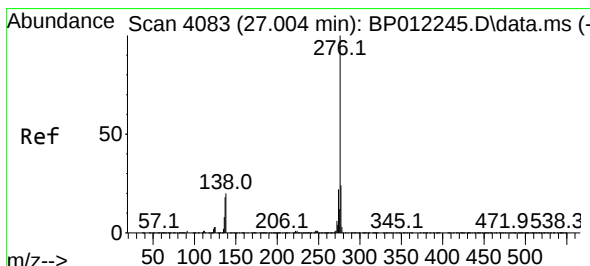
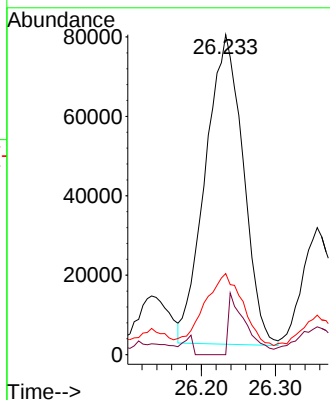
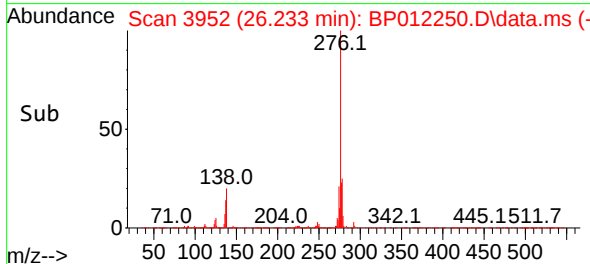
Instrument :  
BNA\_P  
ClientSampleId :  
COBH5



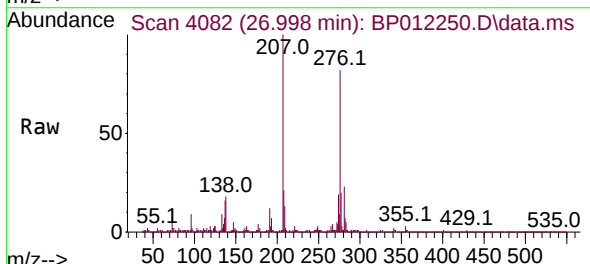
Tgt Ion: 278 Resp: 275734  
Ion Ratio Lower Upper  
278 100  
139 0.0 12.9 19.3  
279 25.3 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By : Jagrut Upadhyay 10/24/2022  
Supervised By : mohammad ahmed 10/24/2022



#96  
Benzo(g,h,i)perylene  
Concen: 7.872 ng/ul  
RT: 26.998 min Scan# 4082  
Delta R.T. -0.012 min  
Lab File: BP012250.D  
Acq: 21 Oct 2022 17:49



Tgt Ion: 276 Resp: 871632  
Ion Ratio Lower Upper  
276 100  
138 21.8 17.9 26.9  
277 24.2 18.9 28.3

