

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038220.D  
 Acq On : 23 Dec 2022 04:42  
 Operator : CG/JU  
 Sample : N6008-22  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBXY8

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2022  
 Supervised By :mohammad ahmed 12/23/2022

Quant Time: Dec 23 05:21:41 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 23:36:45 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.038  | 152  | 4491     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.850 | 136  | 13982    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.666 | 164  | 7912     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.405 | 188  | 15848    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.574 | 240  | 10270    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.023 | 264  | 9877     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.397  | 96   | 17838    | 3.905 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.429 | 152  | 7099     | 0.345 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.422 | 212  | 14970    | 0.388 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.900 | 128  | 8371     | 0.204 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.506 | 142  | 1894     | 0.074 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.720 | 142  | 975      | 0.037 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.388 | 152  | 10654    | 0.244 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.726 | 153  | 1030     | 0.033 | ng/ul  | 95       |
| 12) Fluorene                | 15.711 | 166  | 1268     | 0.038 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.447 | 178  | 25796    | 0.486 | ng/ul  | 100      |
| 16) Anthracene              | 17.540 | 178  | 10171    | 0.200 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.454 | 202  | 90528    | 1.609 | ng/ul  | 99       |
| 20) Pyrene                  | 19.817 | 202  | 90672m   | 1.595 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.556 | 228  | 49246    | 1.093 | ng/ul  | 97       |
| 22) Chrysene                | 21.612 | 228  | 53051    | 1.210 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.272 | 252  | 80269    | 1.836 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 23.319 | 252  | 26687m   | 0.635 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.915 | 252  | 46028    | 1.207 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.582 | 276  | 35200    | 0.665 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.589 | 278  | 8813     | 0.214 | ng/ul# | 82       |
| 29) Benzo(g,h,i)perylene    | 27.377 | 276  | 33760    | 0.758 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

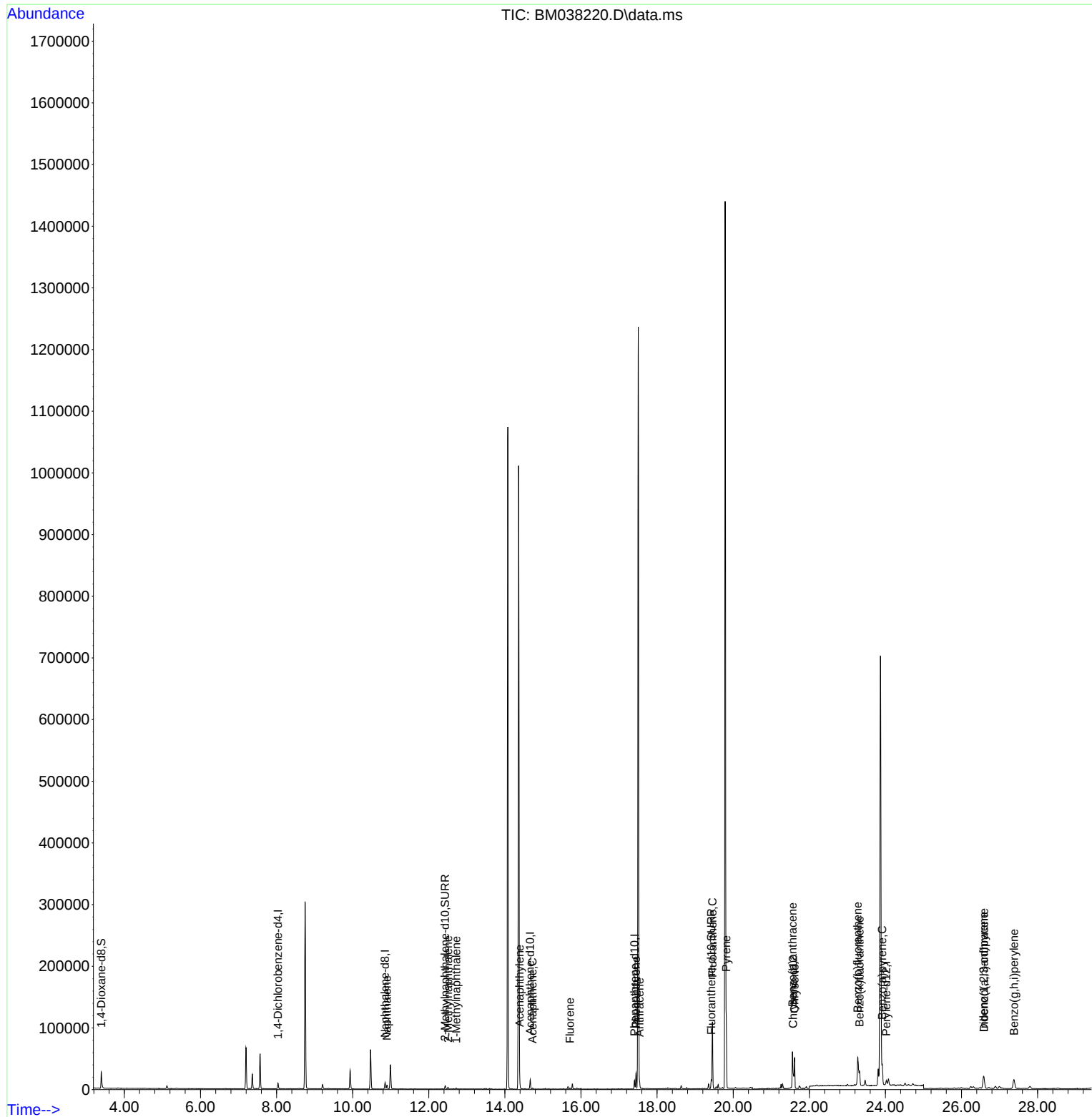
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
Data File : BM038220.D  
Acq On : 23 Dec 2022 04:42  
Operator : CG/JU  
Sample : N6008-22  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

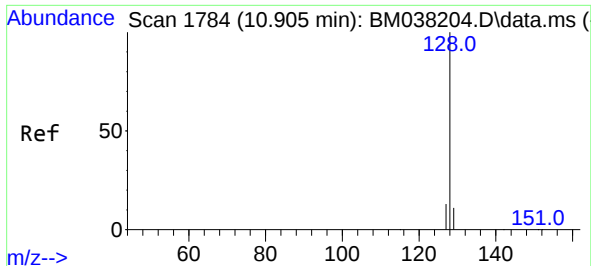
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8

Manual Integrations  
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Supervised By :mohammad ahmed 12/23/2022

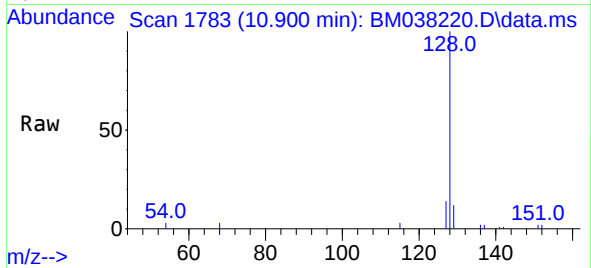
Quant Time: Dec 23 05:21:41 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 23:36:45 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.204 ng/ul  
RT: 10.900 min Scan# 1783  
Delta R.T. -0.005 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

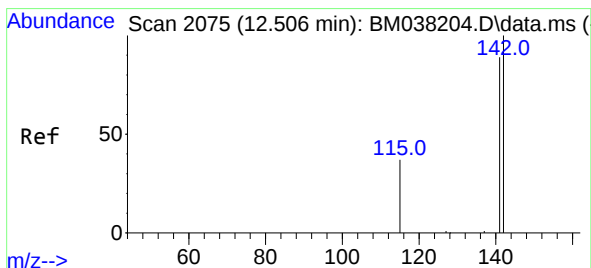
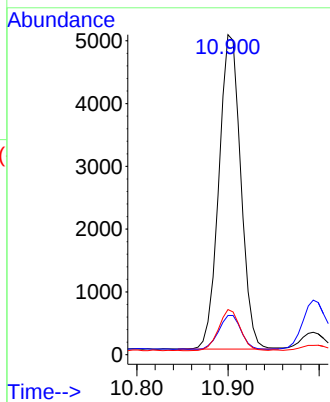
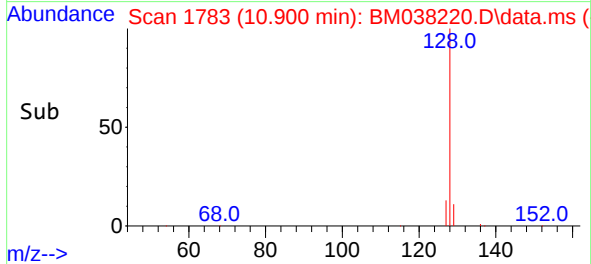
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



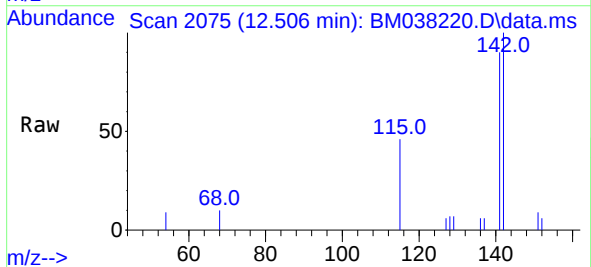
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Ion Ratio Lower Upper  
128 100  
129 12.2 9.4 14.0  
127 14.1 10.7 16.1

Manual Integrations  
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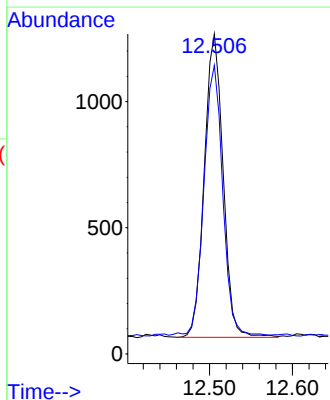
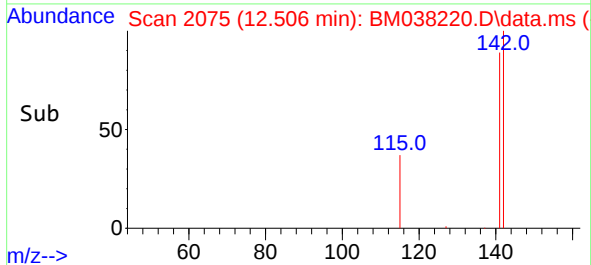
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022

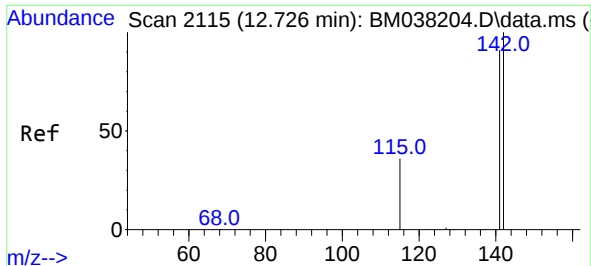


#7  
2-Methylnaphthalene  
Concen: 0.074 ng/ul  
RT: 12.506 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



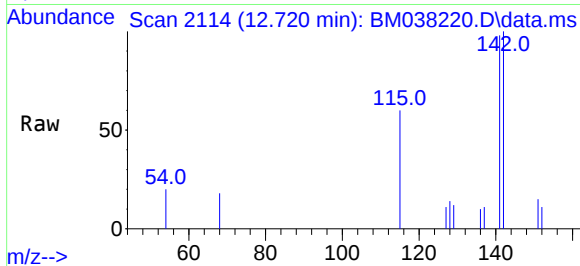
Tgt Ion:142 Resp: 1894  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.037 ng/ul  
RT: 12.720 min Scan# 2114  
Delta R.T. -0.005 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

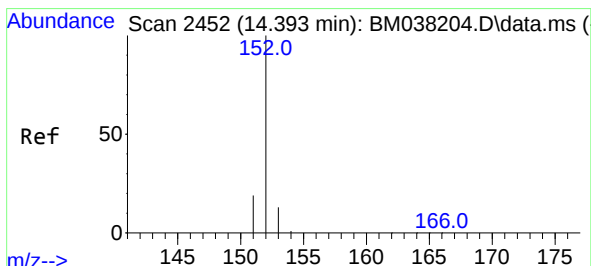
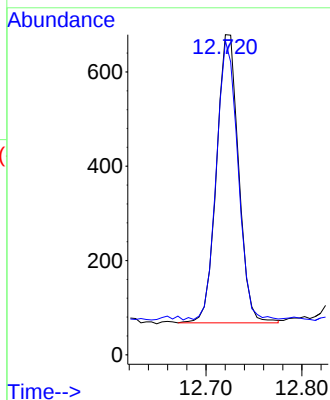
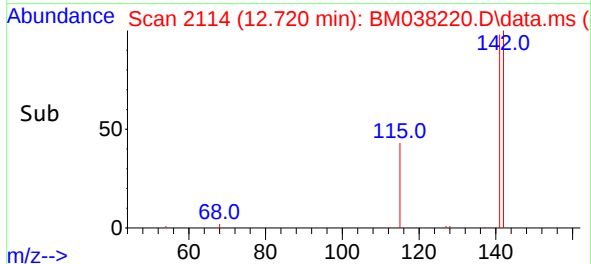
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



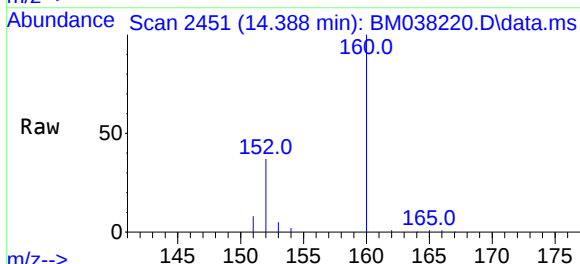
Tgt Ion:142 Resp: 975  
Ion Ratio Lower Upper  
142 100  
141 93.4 74.7 112.1

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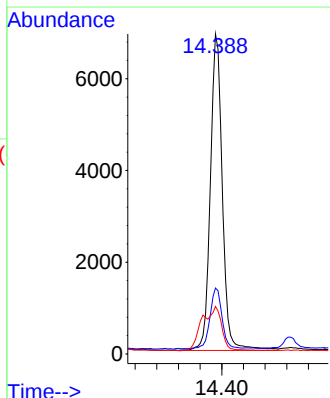
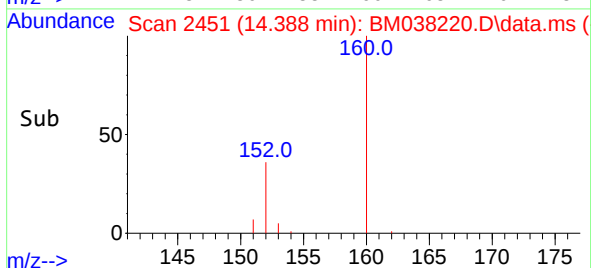
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022

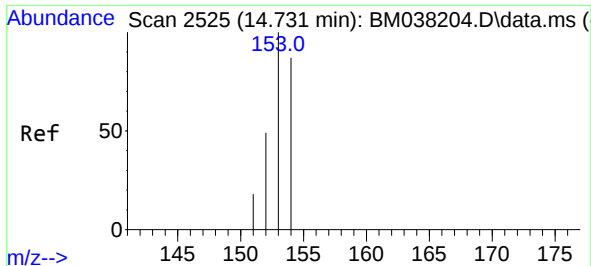


#10  
Acenaphthylene  
Concen: 0.244 ng/ul  
RT: 14.388 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



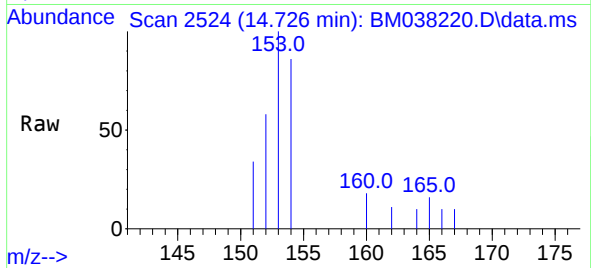
Tgt Ion:152 Resp: 10654  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.2  
153 14.9 10.7 16.1





#11  
Acenaphthene  
Concen: 0.033 ng/u1  
RT: 14.726 min Scan# 2524  
Delta R.T. -0.005 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

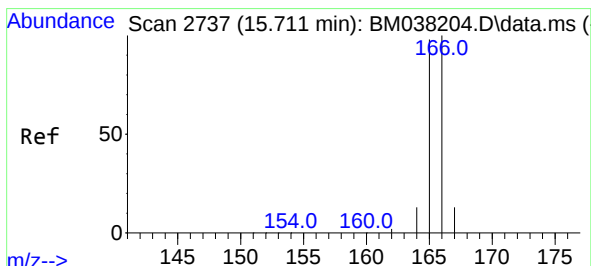
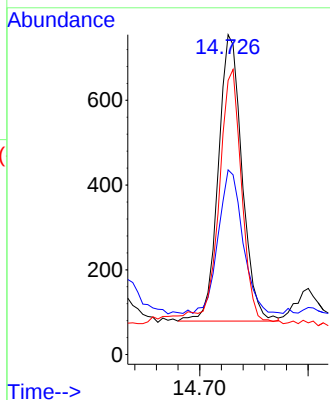
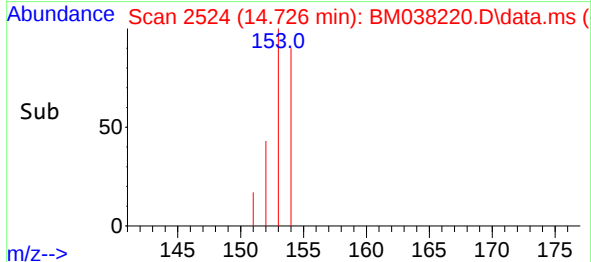
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



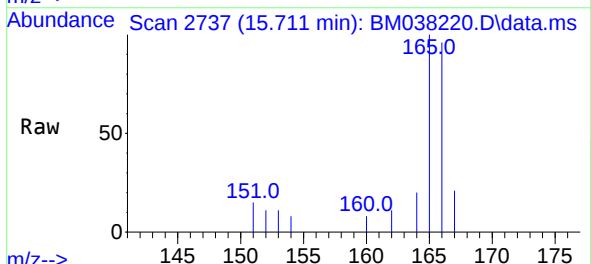
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Ion Ratio Lower Upper  
153 100  
152 57.7 39.4 59.0  
154 85.7 69.0 103.4

Manual Integrations  
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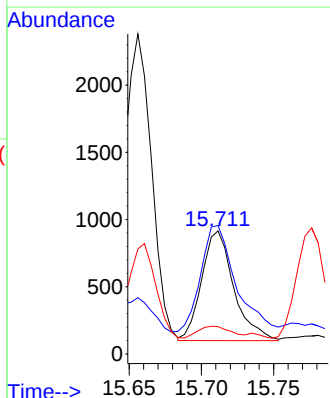
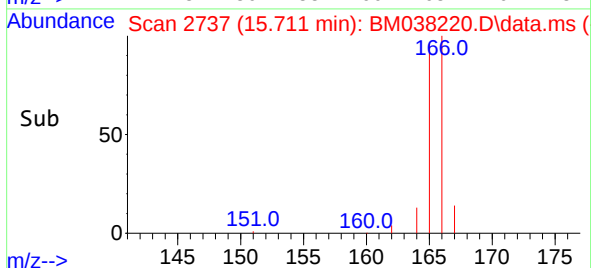
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Supervised By :mohammad ahmed 12/23/2022

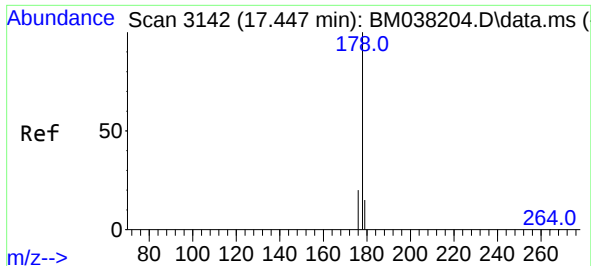


#12  
Fluorene  
Concen: 0.038 ng/u1  
RT: 15.711 min Scan# 2737  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



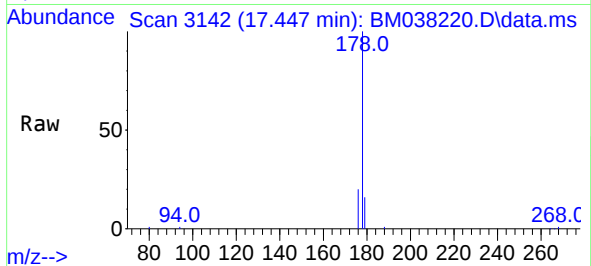
Tgt Ion:166 Resp: 1268  
Ion Ratio Lower Upper  
166 100  
165 104.4 79.0 118.6  
167 22.3 11.0 16.6#





#15  
Phenanthrene  
Concen: 0.486 ng/u1  
RT: 17.447 min Scan# 3142  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

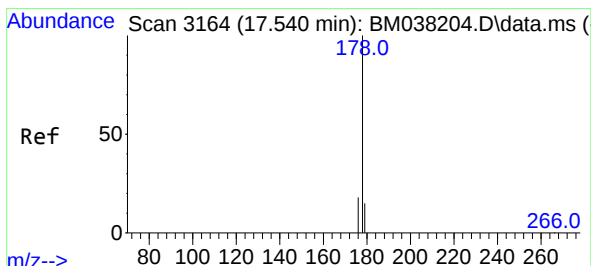
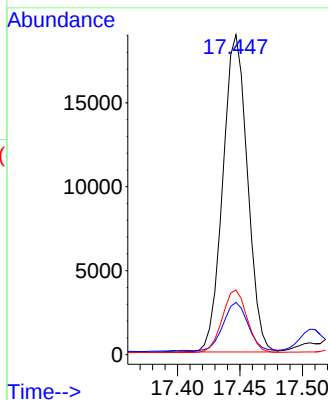
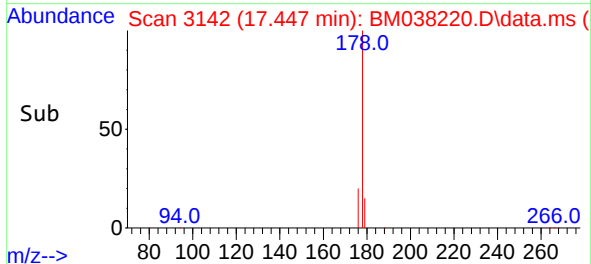
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



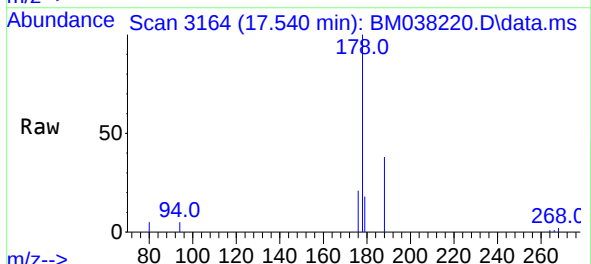
Tgt Ion:178 Resp: 25790  
Ion Ratio Lower Upper  
178 100  
179 16.3 13.0 19.4  
176 20.2 16.2 24.4

Manual Integrations  
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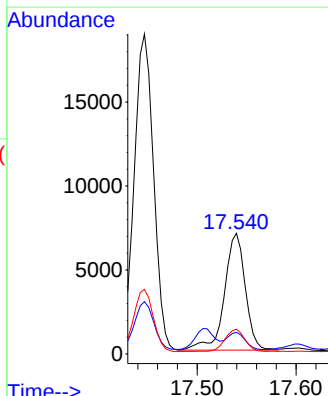
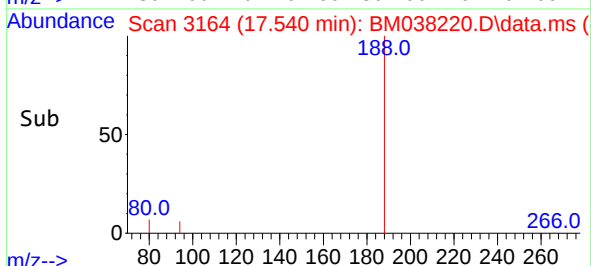
Reviewed By :Jagrut Upadhyay 12/23/2022  
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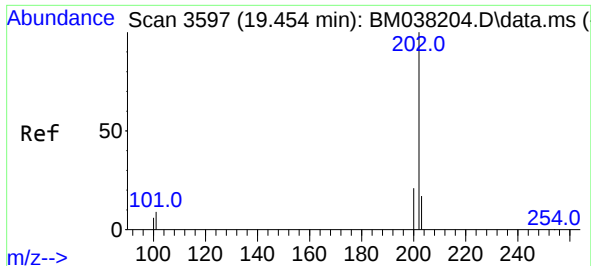


#16  
Anthracene  
Concen: 0.200 ng/u1  
RT: 17.540 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



Tgt Ion:178 Resp: 10171  
Ion Ratio Lower Upper  
178 100  
179 17.9 13.0 19.6  
176 20.6 15.6 23.4





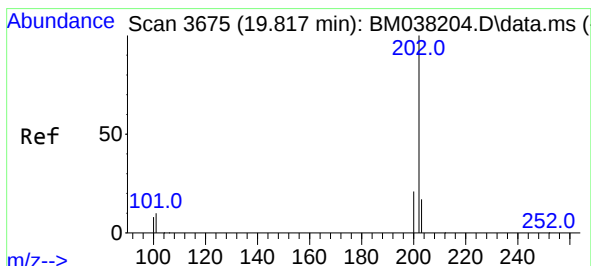
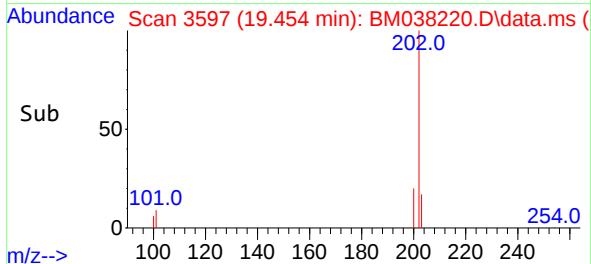
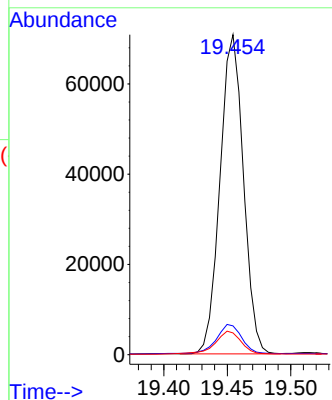
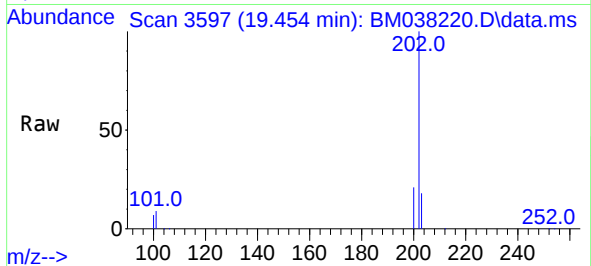
#19  
Fluoranthene  
Concen: 1.609 ng/u1  
RT: 19.454 min Scan# 3597  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8

Tgt Ion:202 Resp: 90528  
Ion Ratio Lower Upper  
202 100  
101 9.0 7.5 11.3  
100 6.8 5.6 8.4

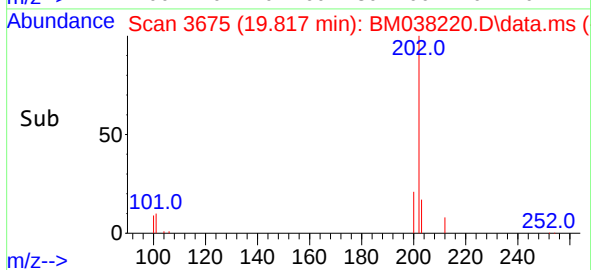
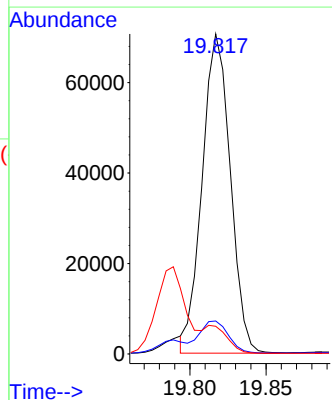
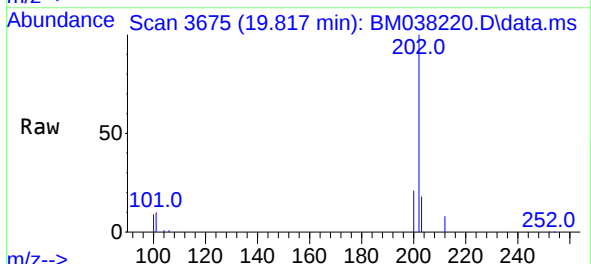
Manual Integrations  
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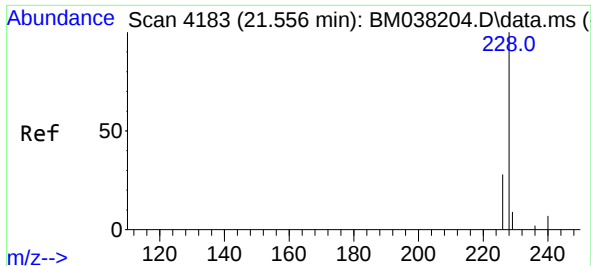
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022



#20  
Pyrene  
Concen: 1.595 ng/u1 m  
RT: 19.817 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

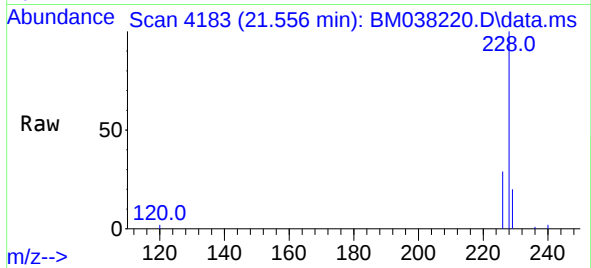
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Ion Ratio Lower Upper  
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101 10.3 8.9 13.3  
100 8.6 7.4 11.0





#21  
Benzo(a)anthracene  
Concen: 1.093 ng/u1  
RT: 21.556 min Scan# 4183  
Delta R.T. -0.003 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

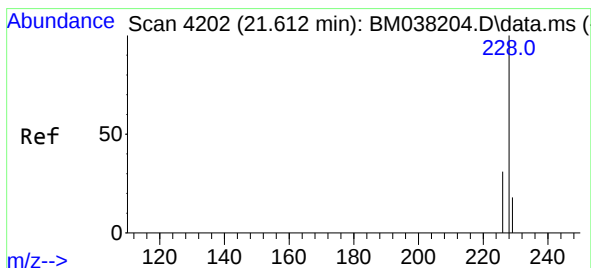
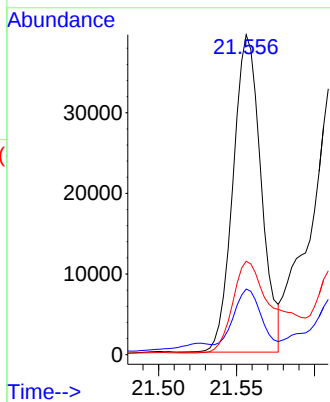
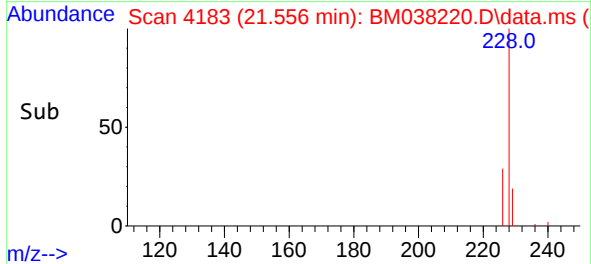
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



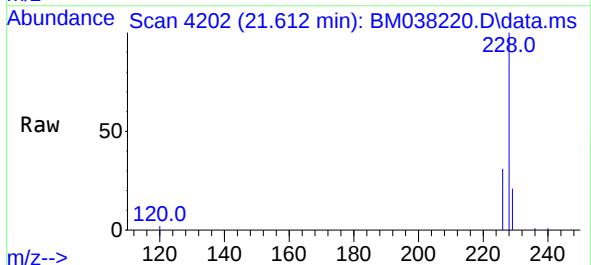
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228 100  
229 20.5 15.5 23.3  
226 29.2 22.2 33.2

Manual Integrations  
APPROVED

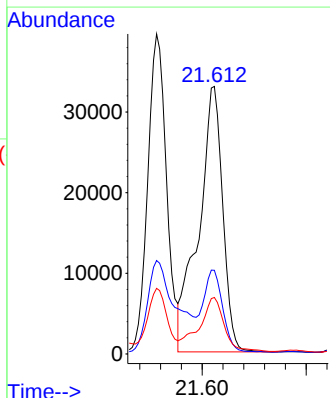
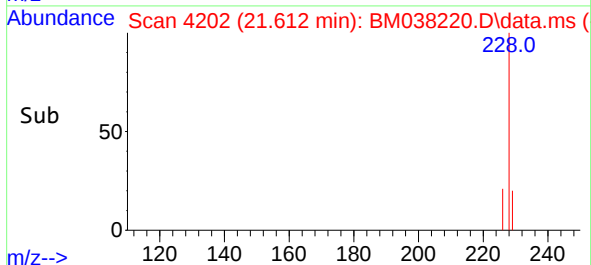
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022

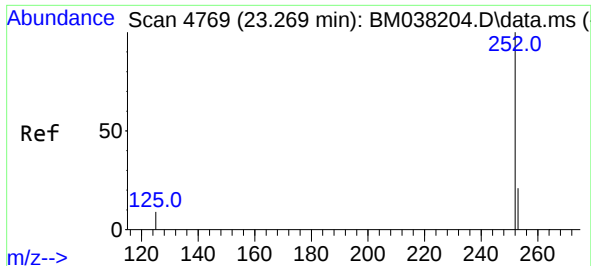


#22  
Chrysene  
Concen: 1.210 ng/u1  
RT: 21.612 min Scan# 4202  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



Tgt Ion:228 Resp: 53051  
Ion Ratio Lower Upper  
228 100  
226 31.3 25.0 37.4  
229 21.1 16.0 24.0





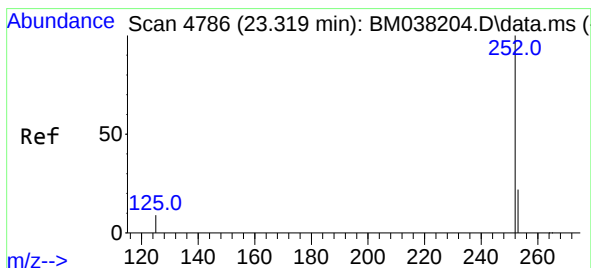
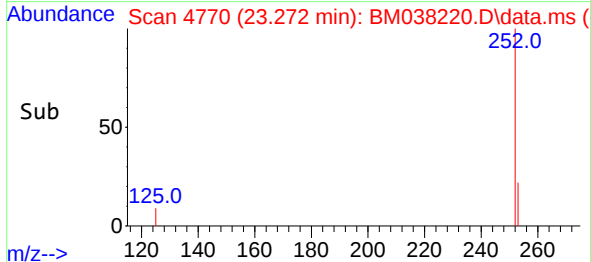
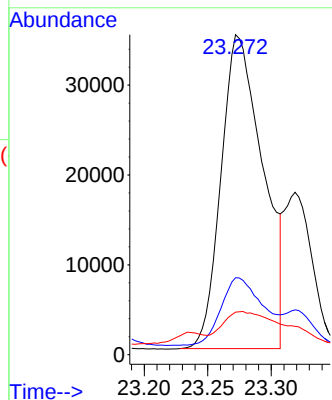
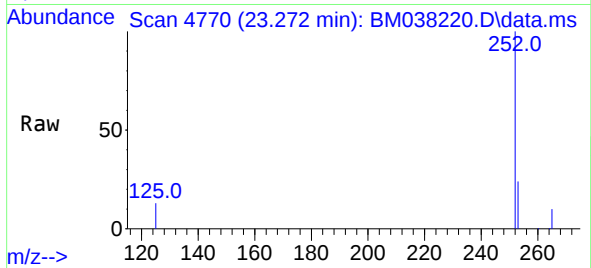
#24  
Benzo(b)fluoranthene  
Concen: 1.836 ng/ul  
RT: 23.272 min Scan# 4770  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8

Tgt Ion:252 Resp: 80269  
Ion Ratio Lower Upper  
252 100  
253 24.1 0.0 56.0  
125 13.3 0.0 36.6

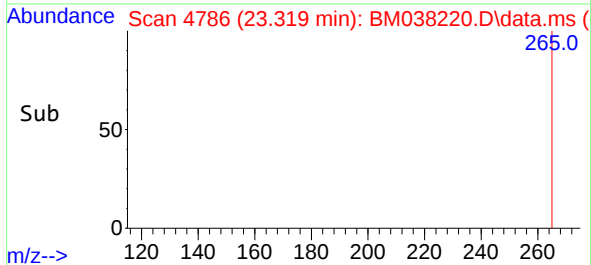
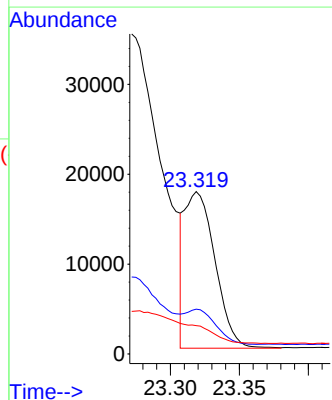
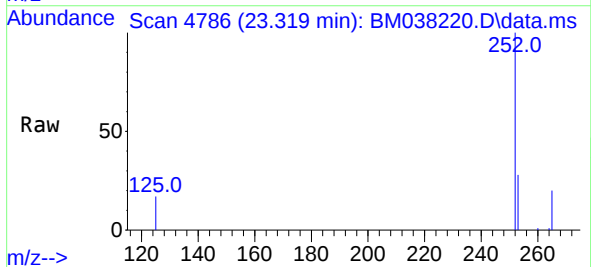
Manual Integrations  
APPROVED

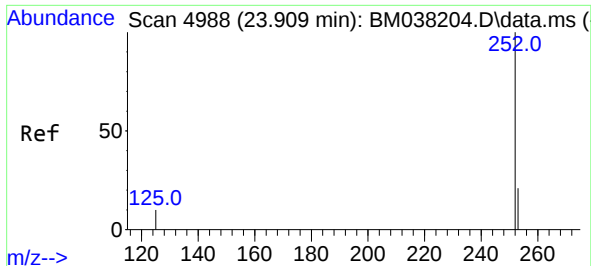
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.635 ng/ul m  
RT: 23.319 min Scan# 4786  
Delta R.T. -0.003 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

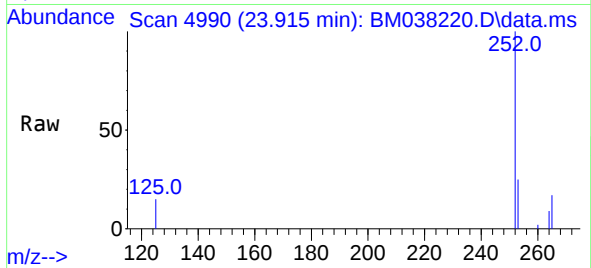
Tgt Ion:252 Resp: 26687  
Ion Ratio Lower Upper  
252 100  
253 27.6 22.5 33.7  
125 17.4 14.4 21.6





#26  
Benzo(a)pyrene  
Concen: 1.207 ng/ul  
RT: 23.915 min Scan# 4988  
Delta R.T. 0.003 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

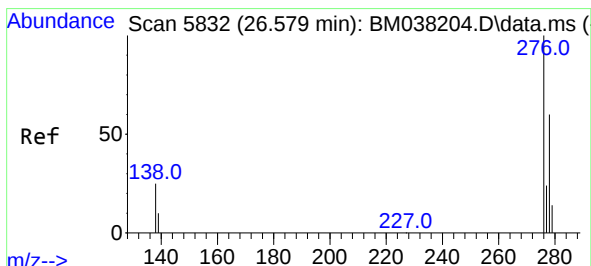
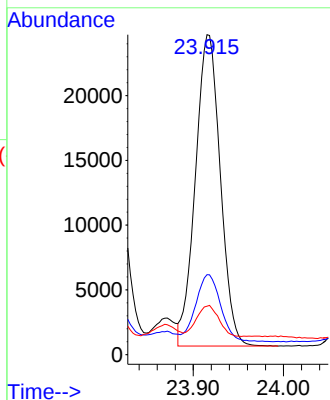
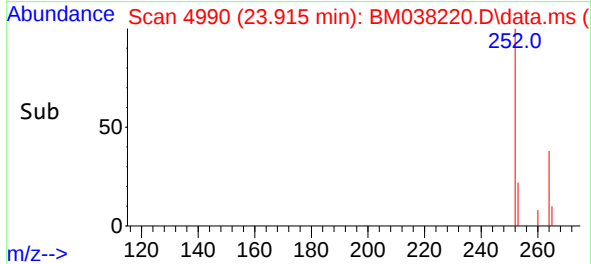
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



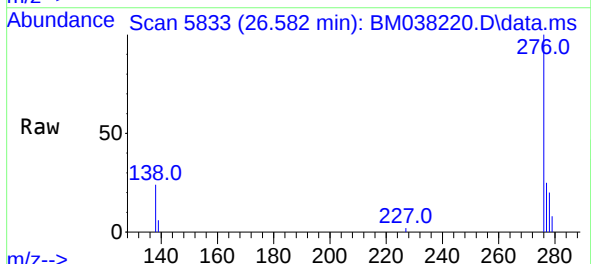
Tgt Ion:252 Resp: 46028  
Ion Ratio Lower Upper  
252 100  
253 25.0 24.2 36.4  
125 15.1 17.3 25.9

Manual Integrations  
APPROVED

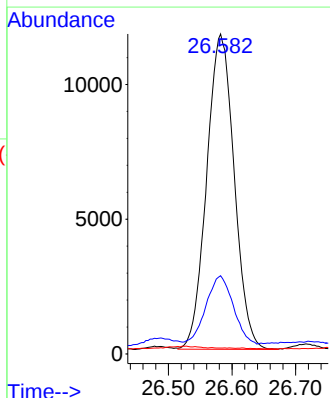
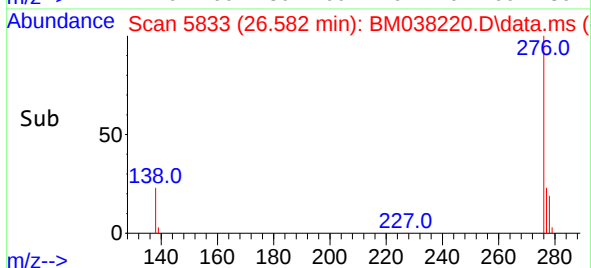
Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022

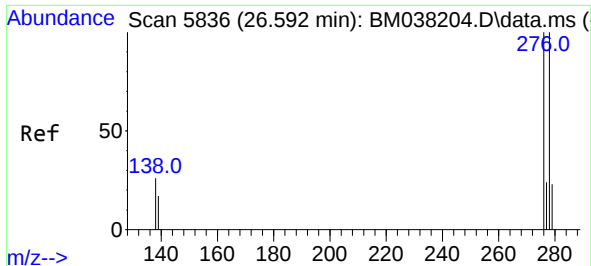


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.665 ng/ul  
RT: 26.582 min Scan# 5833  
Delta R.T. 0.000 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



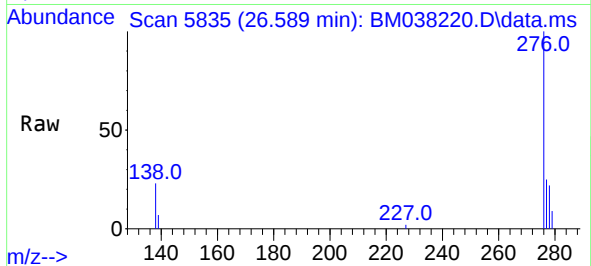
Tgt Ion:276 Resp: 35200  
Ion Ratio Lower Upper  
276 100  
138 21.5 21.7 32.5#  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.214 ng/ul  
RT: 26.589 min Scan# 5835  
Delta R.T. -0.007 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42

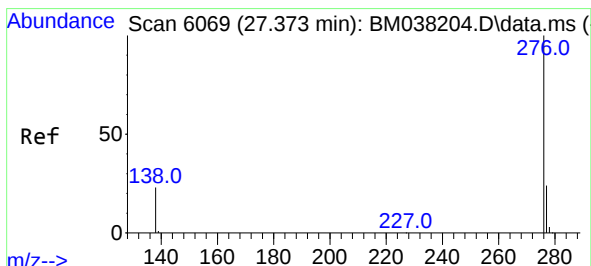
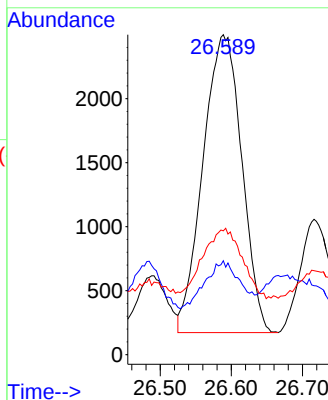
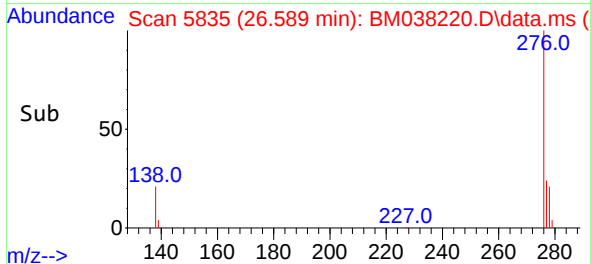
Instrument :  
BNA\_M  
ClientSampleId :  
DBXY8



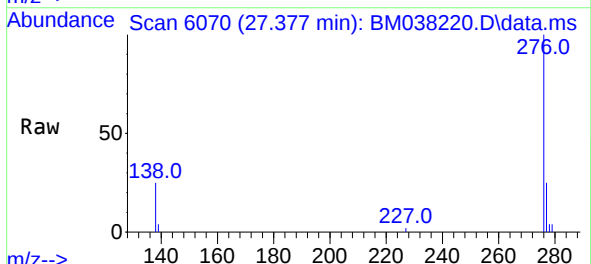
Tgt Ion:278 Resp: 881  
Ion Ratio Lower Upper  
278 100  
139 29.4 16.8 25.2  
279 38.7 23.4 35.2

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2022  
Supervised By :mohammad ahmed 12/23/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.758 ng/ul  
RT: 27.377 min Scan# 6070  
Delta R.T. 0.007 min  
Lab File: BM038220.D  
Acq: 23 Dec 2022 04:42



Tgt Ion:276 Resp: 33760  
Ion Ratio Lower Upper  
276 100  
138 24.5 20.8 31.2  
277 24.5 20.5 30.7

