

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM120522\  
 Data File : BM037842.D  
 Acq On : 05 Dec 2022 13:50  
 Operator : CG/JU  
 Sample : N5738-14DL 10X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNJ3DL

Manual Integrations  
 APPROVED

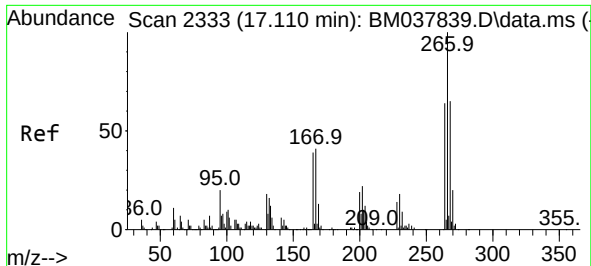
Reviewed By :Jagrut Upadhyay 12/06/2022  
 Supervised By :mohammad ahmed 12/06/2022

Quant Time: Dec 05 23:25:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM120122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 02 01:14:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.092  | 152  | 301246   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.916 | 136  | 1265977  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.721 | 164  | 715138   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.462 | 188  | 1443001  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.627 | 240  | 1058174  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.115 | 264  | 1136822  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.434  | 96   | 2659m    | 0.414  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.904  | 84   | 11262m   | 0.542  | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 7.245  | 99   | 49948    | 1.840  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.410  | 67   | 32448    | 2.049  | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.616  | 132  | 40887    | 1.993  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.798  | 113  | 38678    | 1.792  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 20387    | 2.027  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.992  | 143  | 19830    | 1.906  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.528 | 165  | 36455    | 1.889  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.051 | 131  | 9721     | 0.328  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.127 | 166  | 116350   | 2.369  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.416 | 160  | 134181   | 2.247  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.710 | 176  | 105955   | 2.378  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.815 | 200  | 8623     | 1.134  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.556 | 188  | 163613   | 2.466  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.839 | 212  | 166548   | 3.039  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.950 | 264  | 129483   | 2.274  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 71) Pentachlorophenol         | 17.109 | 266  | 752233   | 70.729 | ng/u1  | 99       |
| 72) Phenanthrene              | 17.504 | 178  | 696531   | 8.906  | ng/u1  | 99       |
| 77) Carbazole                 | 17.862 | 167  | 135065   | 1.840  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.503 | 202  | 1544620  | 23.071 | ng/u1  | 99       |
| 82) Pyrene                    | 19.868 | 202  | 1101371  | 15.932 | ng/u1  | 99       |
| 83) Butylbenzylphthalate      | 20.750 | 149  | 49739    | 1.650  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.609 | 228  | 120669   | 1.782  | ng/u1  | 96       |
| 87) Chrysene                  | 21.668 | 228  | 524310   | 8.320  | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 23.350 | 252  | 578247   | 7.920  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.397 | 252  | 163839m  | 2.326  | ng/u1  | 98       |
| 93) Benzo(a)pyrene            | 24.003 | 252  | 180854   | 2.857  | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.703 | 276  | 207261   | 2.912  | ng/u1# | 93       |
| 96) Benzo(g,h,i)perylene      | 27.515 | 276  | 169221   | 2.724  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

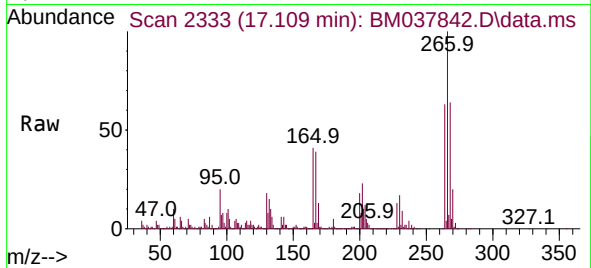
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#71  
Pentachlorophenol  
Concen: 70.729 ng/ul  
RT: 17.109 min Scan# 2333  
Delta R.T. -0.000 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

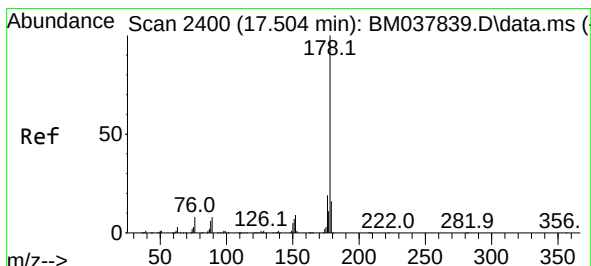
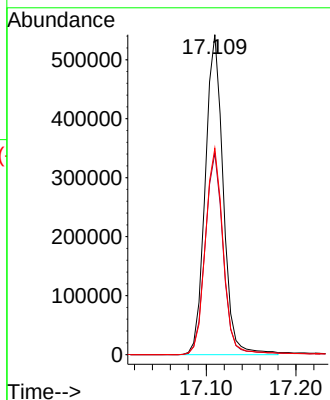
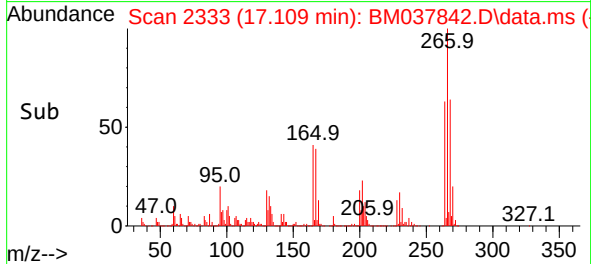
Instrument :  
BNA\_M  
ClientSampleId :  
GBNJ3DL



Tgt Ion:266 Resp: 752233  
Ion Ratio Lower Upper  
266 100  
264 63.0 50.3 75.5  
268 64.5 52.2 78.2

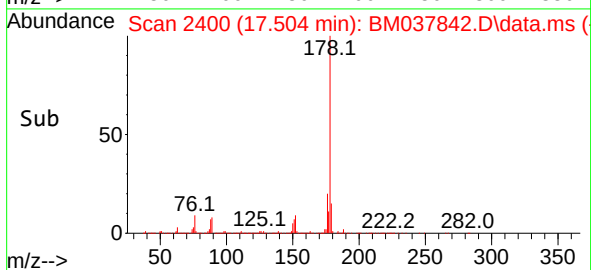
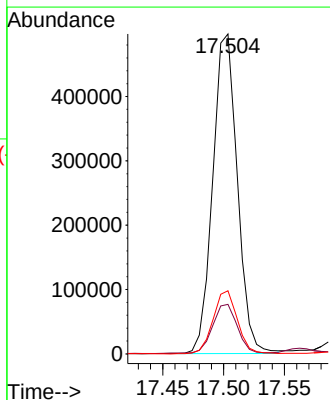
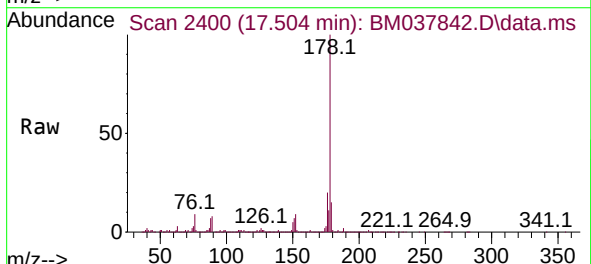
Manual Integrations  
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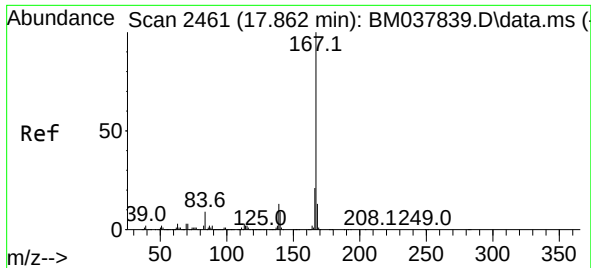
Reviewed By :Jagrut Upadhyay 12/06/2022  
Supervised By :mohammad ahmed 12/06/2022



#72  
Phenanthrene  
Concen: 8.906 ng/ul  
RT: 17.504 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

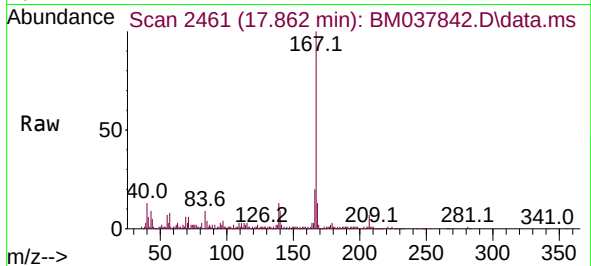
Tgt Ion:178 Resp: 696531  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.5 18.7  
176 19.7 15.3 22.9





#77  
 Carbazole  
 Concen: 1.840 ng/ul  
 RT: 17.862 min Scan# 2461  
 Delta R.T. -0.000 min  
 Lab File: BM037842.D  
 Acq: 05 Dec 2022 13:50

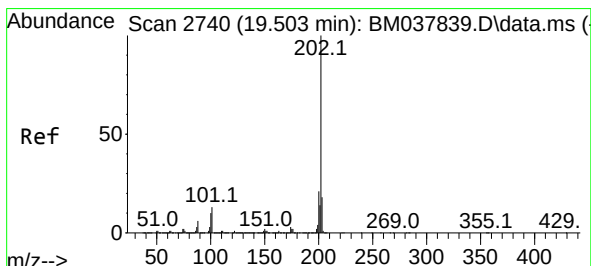
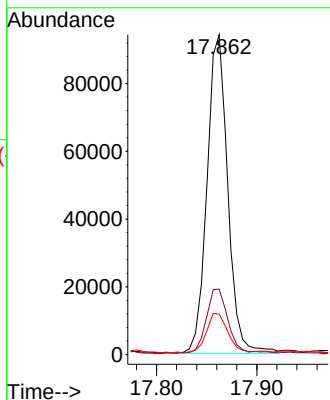
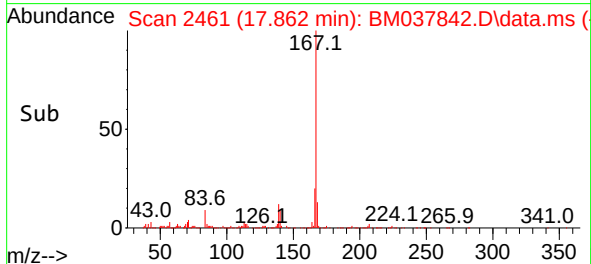
Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNJ3DL



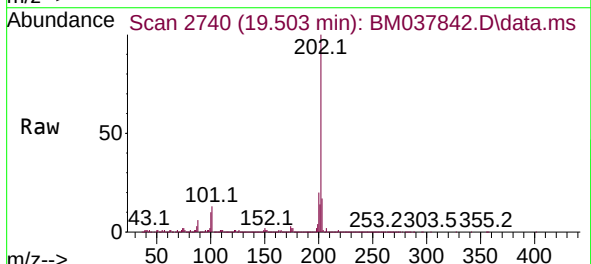
Tgt Ion:167 Resp: 135065  
 Ion Ratio Lower Upper  
 167 100  
 166 20.5 17.2 25.8  
 139 12.7 10.0 15.0

Manual Integrations  
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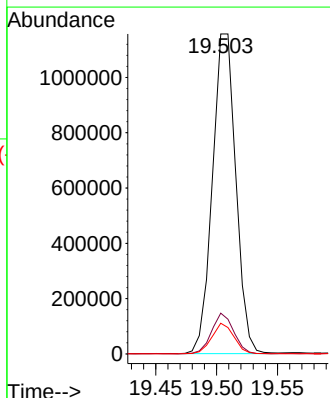
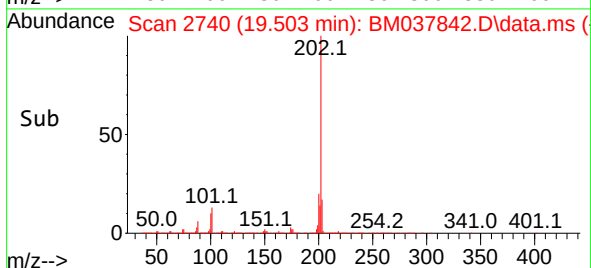
Reviewed By :Jagrut Upadhyay 12/06/2022  
 Supervised By :mohammad ahmed 12/06/2022

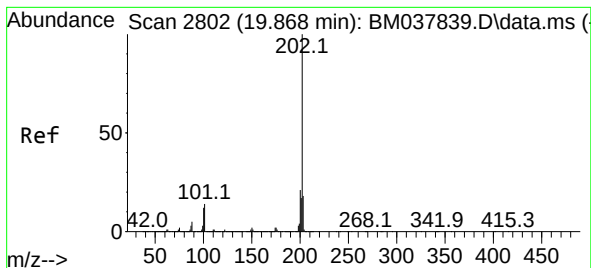


#80  
 Fluoranthene  
 Concen: 23.071 ng/ul  
 RT: 19.503 min Scan# 2740  
 Delta R.T. -0.006 min  
 Lab File: BM037842.D  
 Acq: 05 Dec 2022 13:50



Tgt Ion:202 Resp: 1544620  
 Ion Ratio Lower Upper  
 202 100  
 101 12.7 9.7 14.5  
 100 9.6 7.7 11.5





#82

Pyrene

Concen: 15.932 ng/ul

RT: 19.868 min Scan# 2802

Delta R.T. -0.006 min

Lab File: BM037842.D

Acq: 05 Dec 2022 13:50

Instrument :

BNA\_M

ClientSampleId :

GBNJ3DL

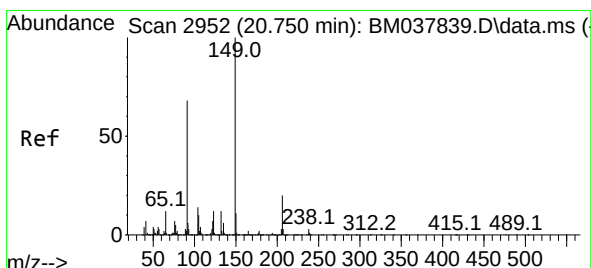
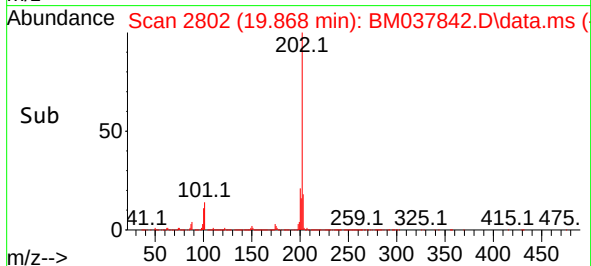
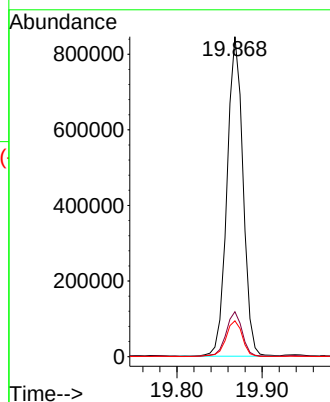
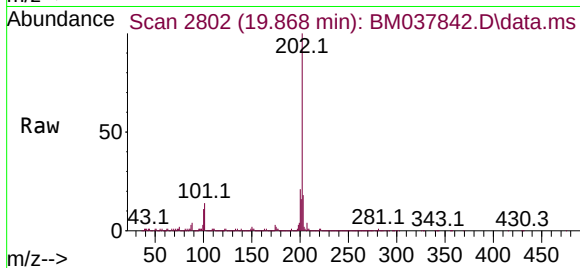
Tgt Ion:202 Resp: 110137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 14.0  | 11.0  | 16.4  |
| 100 | 11.2  | 9.0   | 13.6  |

Manual Integrations

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Supervised By :mohammad ahmed 12/06/2022



#83

Butylbenzylphthalate

Concen: 1.650 ng/ul

RT: 20.750 min Scan# 2952

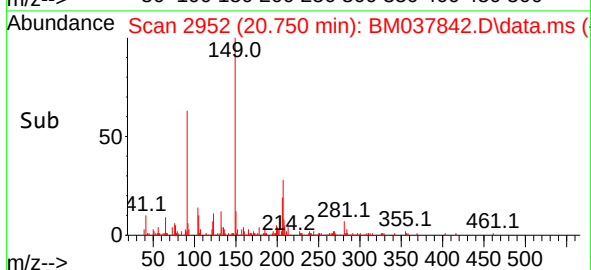
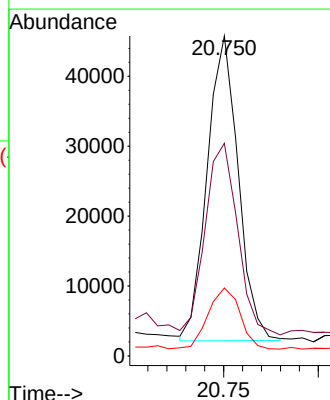
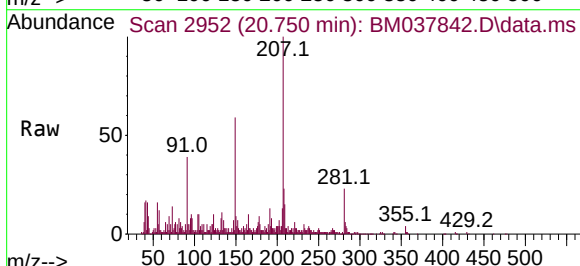
Delta R.T. -0.006 min

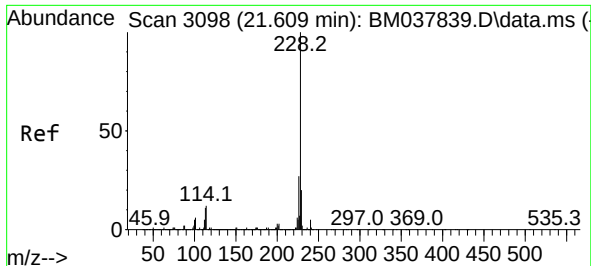
Lab File: BM037842.D

Acq: 05 Dec 2022 13:50

Tgt Ion:149 Resp: 49739

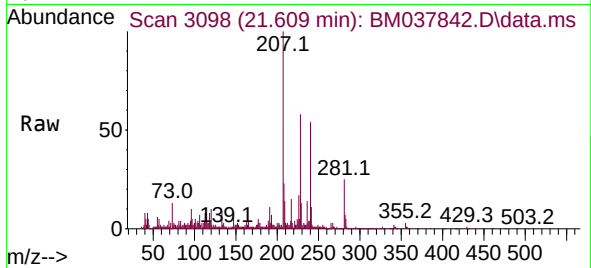
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 66.4  | 51.7  | 77.5  |
| 206 | 21.2  | 17.1  | 25.7  |





#85  
Benzo(a)anthracene  
Concen: 1.782 ng/ul  
RT: 21.609 min Scan# 3098  
Delta R.T. -0.006 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

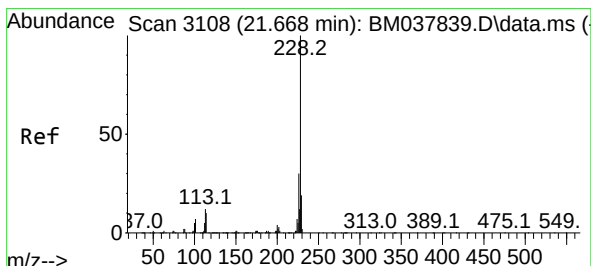
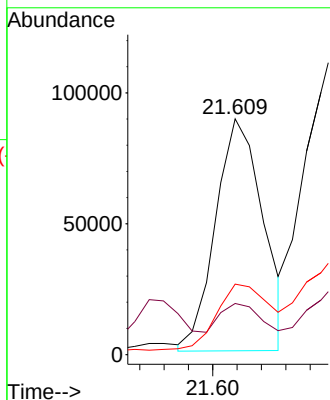
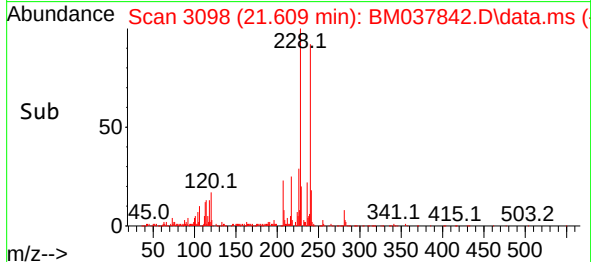
Instrument :  
BNA\_M  
ClientSampleId :  
GBNJ3DL



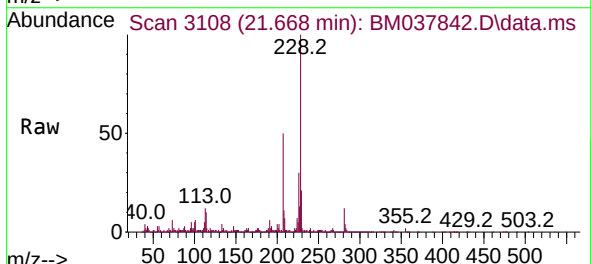
Tgt Ion:228 Resp: 120669  
Ion Ratio Lower Upper  
228 100  
229 21.7 16.2 24.2  
226 29.9 22.3 33.5

Manual Integrations  
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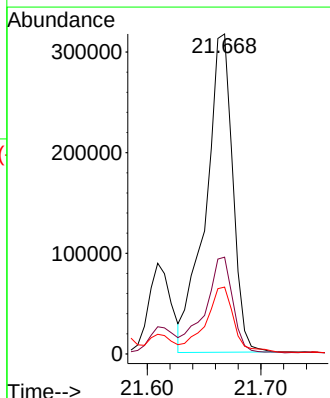
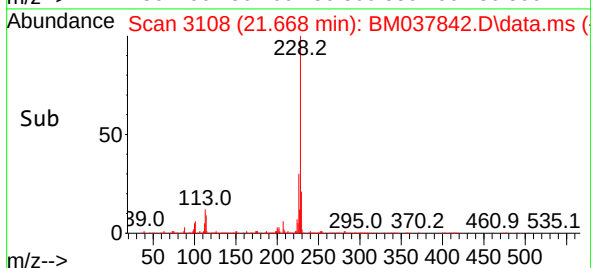
Reviewed By :Jagrut Upadhyay 12/06/2022  
Supervised By :mohammad ahmed 12/06/2022

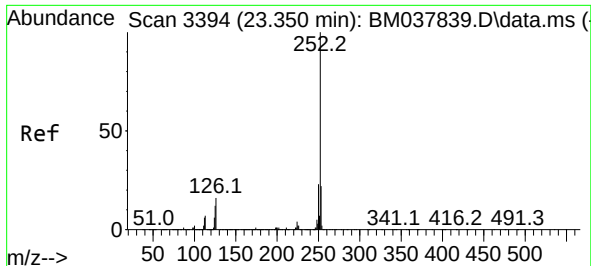


#87  
Chrysene  
Concen: 8.320 ng/ul  
RT: 21.668 min Scan# 3108  
Delta R.T. -0.006 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50



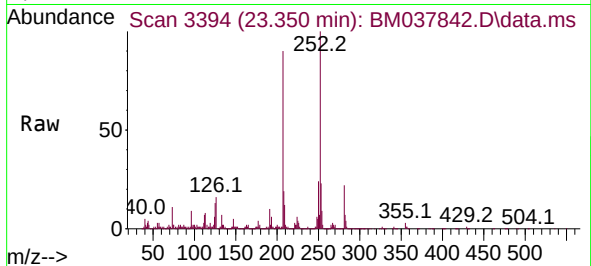
Tgt Ion:228 Resp: 524310  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.2 36.2  
229 20.9 15.8 23.6





#90  
Benzo(b)fluoranthene  
Concen: 7.920 ng/ul  
RT: 23.350 min Scan# 3394  
Delta R.T. -0.006 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

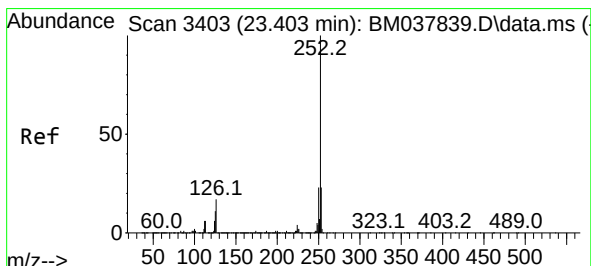
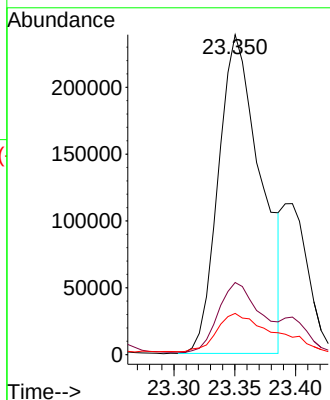
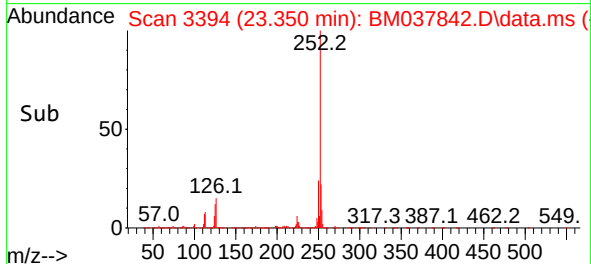
Instrument :  
BNA\_M  
ClientSampleId :  
GBNJ3DL



Tgt Ion:252 Resp: 57824  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.7 26.5  
125 12.9 9.3 13.9

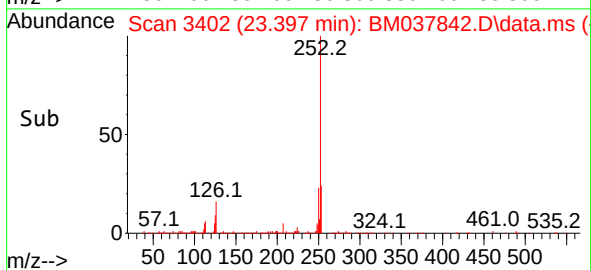
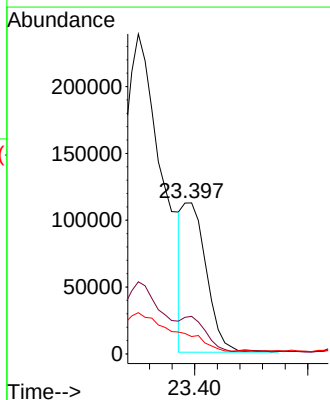
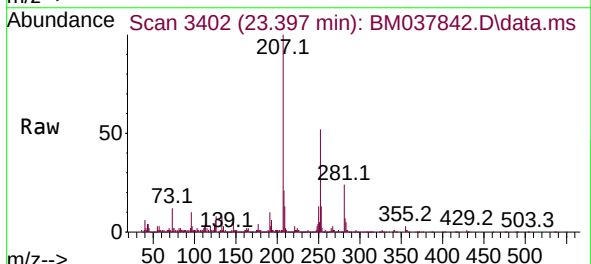
Manual Integrations  
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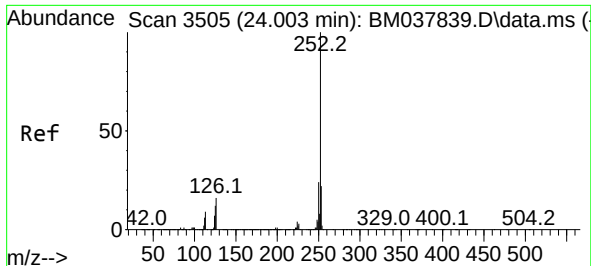
Reviewed By :Jagrut Upadhyay 12/06/2022  
Supervised By :mohammad ahmed 12/06/2022



#91  
Benzo(k)fluoranthene  
Concen: 2.326 ng/ul m  
RT: 23.397 min Scan# 3402  
Delta R.T. -0.012 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

Tgt Ion:252 Resp: 163839  
Ion Ratio Lower Upper  
252 100  
253 24.8 17.8 26.8  
125 11.5 9.3 13.9





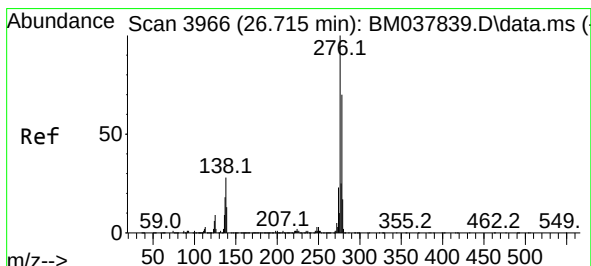
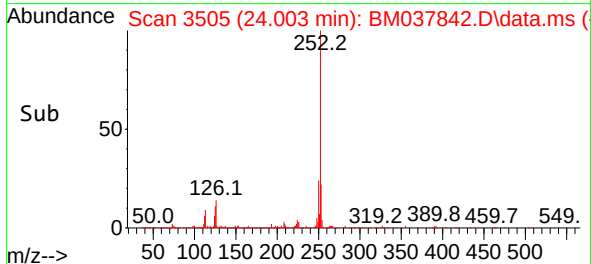
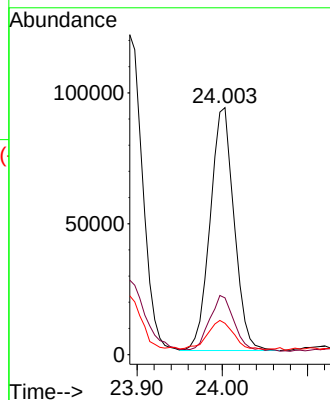
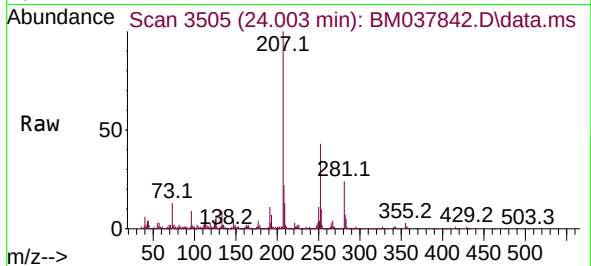
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Benzo(a)pyrene  
Concen: 2.857 ng/ul  
RT: 24.003 min Scan# 3505  
Delta R.T. -0.006 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

Instrument :  
BNA\_M  
ClientSampleId :  
GBNJ3DL

Tgt Ion:252 Resp: 180854  
Ion Ratio Lower Upper  
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125 12.7 10.2 15.4

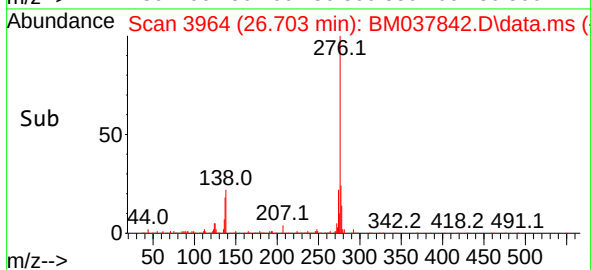
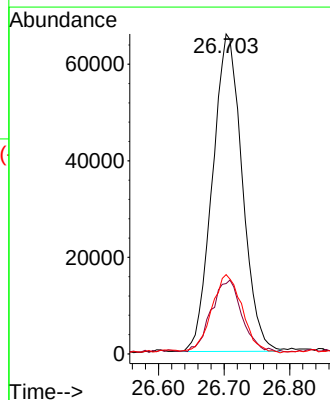
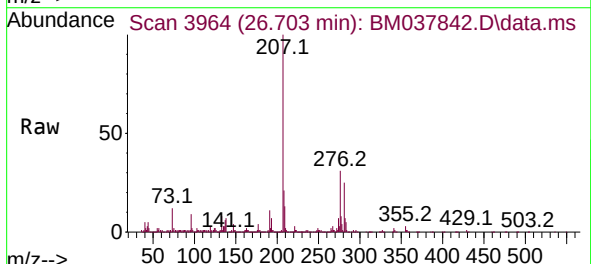
Manual Integrations  
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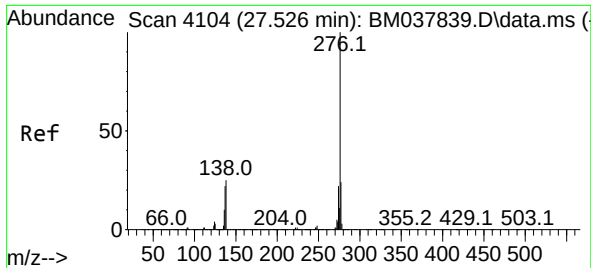


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.912 ng/ul  
RT: 26.703 min Scan# 3964  
Delta R.T. -0.018 min  
Lab File: BM037842.D  
Acq: 05 Dec 2022 13:50

Tgt Ion:276 Resp: 207261  
Ion Ratio Lower Upper  
276 100  
138 22.0 22.7 34.1#  
277 24.8 20.1 30.1

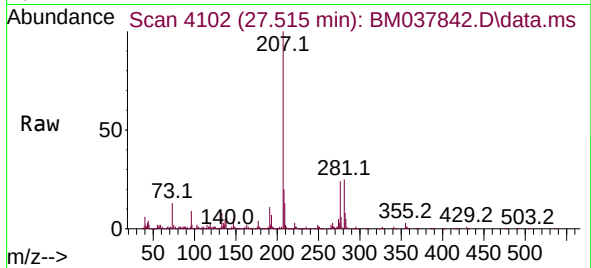






#96  
 Benzo(g,h,i)perylene  
 Concen: 2.724 ng/ul  
 RT: 27.515 min Scan# 4102  
 Delta R.T. -0.012 min  
 Lab File: BM037842.D  
 Acq: 05 Dec 2022 13:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GBNJ3DL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 16922 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 23.1  | 19.2  | 28.8  |
| 277       | 24.0  | 19.1  | 28.7  |

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/06/2022  
 Supervised By :mohammad ahmed 12/06/2022

