

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090822\  
 Data File : BM036517.D  
 Acq On : 07 Sep 2022 20:01  
 Operator : CG/JU  
 Sample : N4483-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW359

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/08/2022  
 Supervised By :mohammad ahmed 09/19/2022

Quant Time: Sep 08 00:53:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 02 01:33:23 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 205249   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.522 | 136  | 964299   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.374 | 164  | 605222   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.115 | 188  | 1226724  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.309 | 240  | 1043362  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.597 | 264  | 864333   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.128  | 96   | 16139    | 2.997  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 13730m   | 0.924  | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 6.904  | 99   | 337529   | 19.266 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.063  | 67   | 229690   | 20.828 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.251  | 132  | 290721   | 21.120 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.445  | 113  | 289269   | 22.113 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.892  | 128  | 155793   | 21.309 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.610  | 143  | 157821   | 21.281 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.151 | 165  | 281617   | 21.253 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.675 | 131  | 337847   | 16.446 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.798 | 166  | 904981   | 23.636 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.063 | 160  | 1123128  | 23.518 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.604 | 143  | 89571    | 12.346 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.368 | 176  | 821660   | 23.748 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 200  | 79148    | 12.550 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.215 | 188  | 1256377  | 23.033 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.515 | 212  | 1497061  | 27.660 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.450 | 264  | 1079903  | 25.483 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.928  | 94   | 19493    | 1.070  | ng/u1# | 78       |
| 72) Phenanthrene              | 17.156 | 178  | 328896   | 5.100  | ng/u1  | 100      |
| 74) Anthracene                | 17.251 | 178  | 75846    | 1.173  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.180 | 202  | 730879   | 11.174 | ng/u1  | 96       |
| 82) Pyrene                    | 19.545 | 202  | 649341   | 9.513  | ng/u1  | 96       |
| 85) Benzo(a)anthracene        | 21.291 | 228  | 329337   | 5.253  | ng/u1  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 43460    | 1.233  | ng/u1  | 98       |
| 87) Chrysene                  | 21.344 | 228  | 318542   | 5.170  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 22.903 | 252  | 377922   | 7.172  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 22.944 | 252  | 132512m  | 2.643  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.497 | 252  | 228806   | 4.414  | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.956 | 276  | 147304   | 2.417  | ng/u1# | 89       |
| 96) Benzo(g,h,i)perylene      | 26.685 | 276  | 130404   | 2.502  | ng/u1  | 96       |
| -----                         |        |      |          |        |        |          |

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

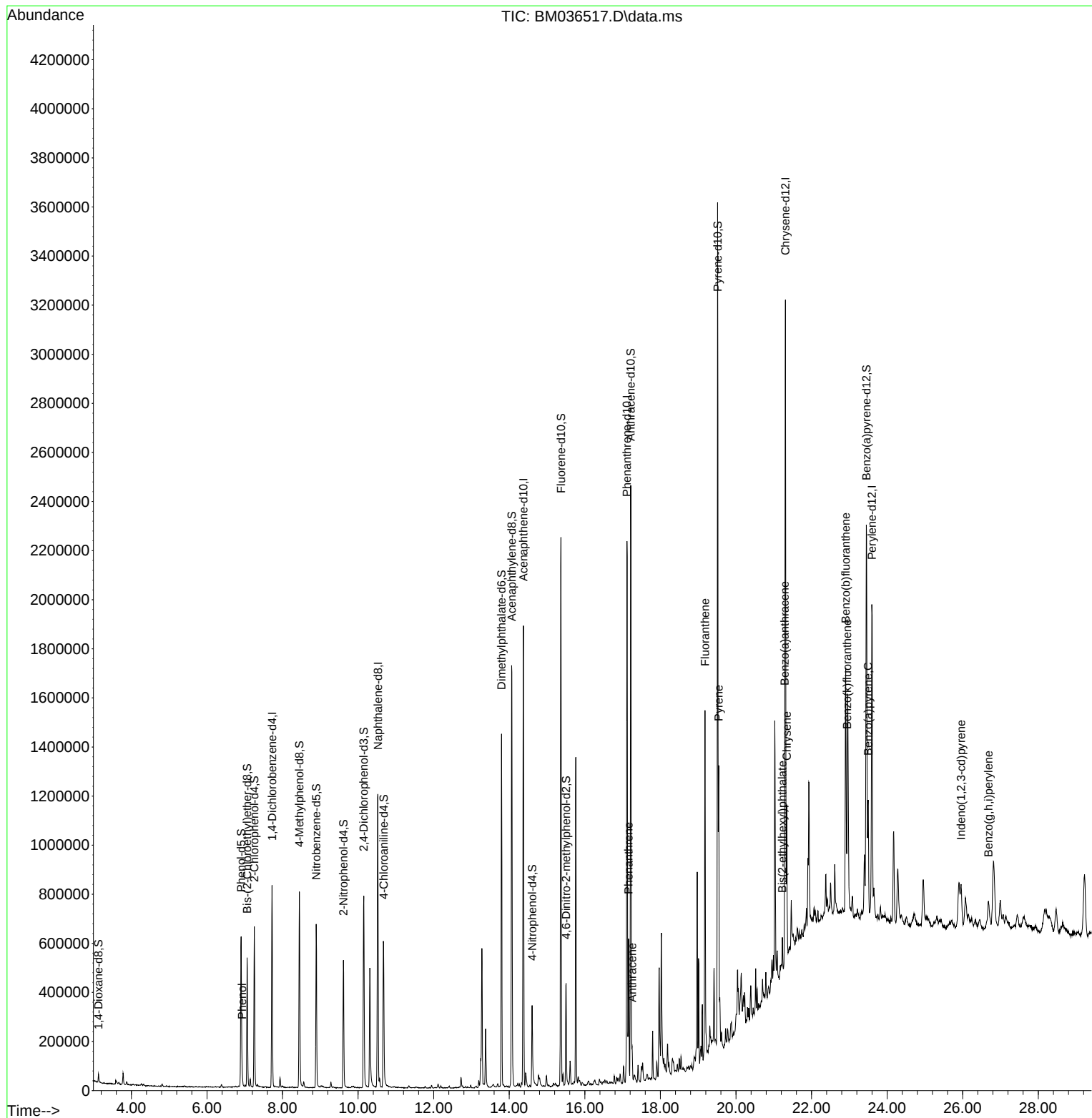
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 Data File : BM036517.D  
 Acq On : 07 Sep 2022 20:01  
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 Sample : N4483-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

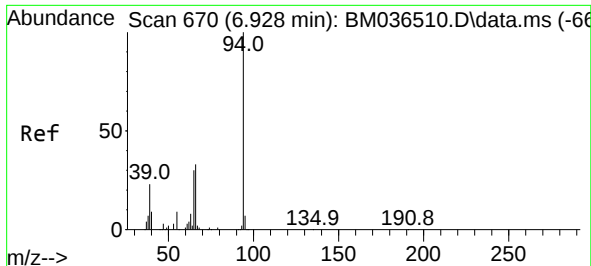
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW359

Quant Time: Sep 08 00:53:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM081622.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 02 01:33:23 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/08/2022  
 Supervised By :mohammad ahmed 09/19/2022





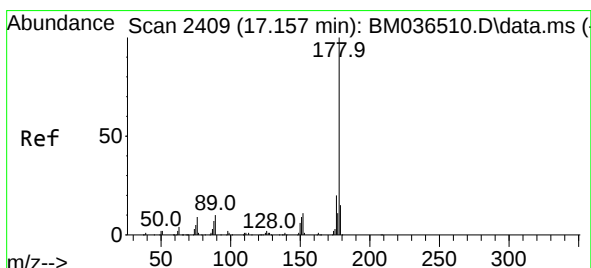
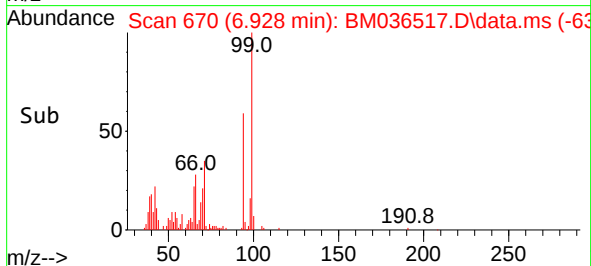
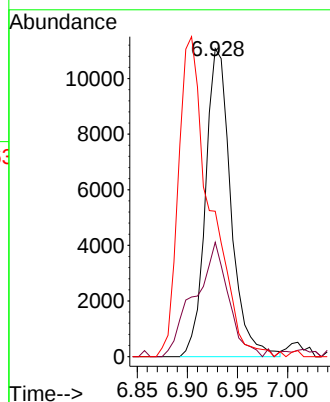
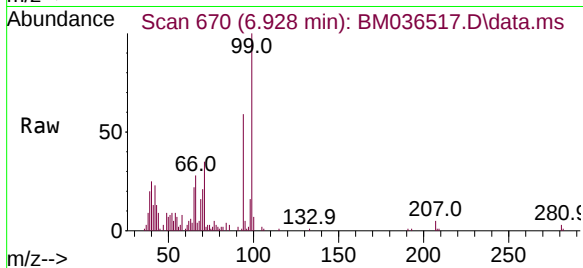
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Phenol  
Concen: 1.070 ng/ul  
RT: 6.928 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

Instrument :  
BNA\_M  
ClientSampleId :  
EW359

Tgt Ion: 94 Resp: 19493  
Ion Ratio Lower Upper  
94 100  
65 37.1 21.3 31.9  
66 47.2 27.4 41.0

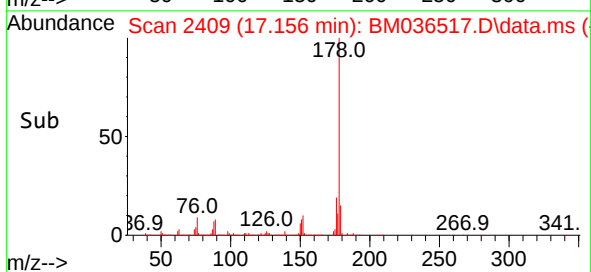
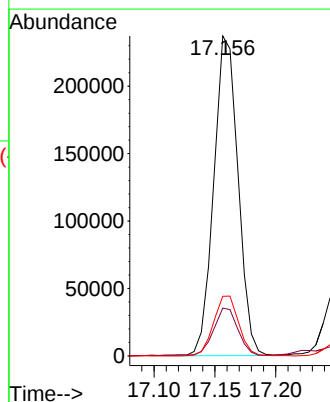
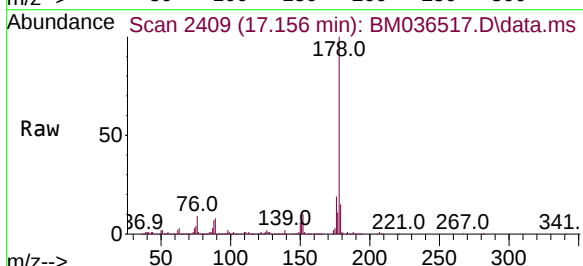
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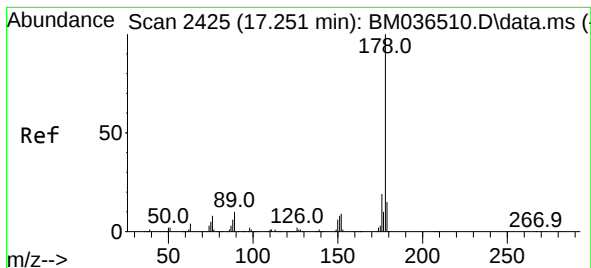
Reviewed By :Jagrut Upadhyay 09/08/2022  
Supervised By :mohammad ahmed 09/19/2022



#72  
Phenanthrene  
Concen: 5.100 ng/ul  
RT: 17.156 min Scan# 2409  
Delta R.T. -0.006 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

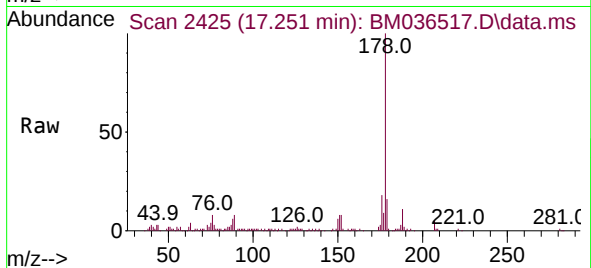
Tgt Ion:178 Resp: 328896  
Ion Ratio Lower Upper  
178 100  
179 14.9 12.2 18.2  
176 18.6 14.9 22.3





#74  
 Anthracene  
 Concen: 1.173 ng/ul  
 RT: 17.251 min Scan# 2425  
 Delta R.T. -0.006 min  
 Lab File: BM036517.D  
 Acq: 07 Sep 2022 20:01

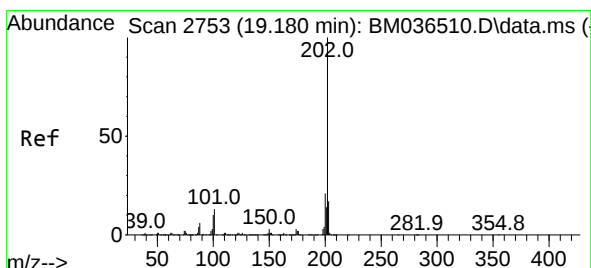
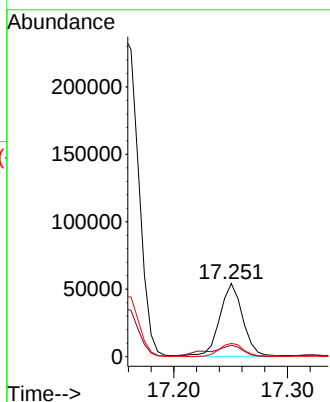
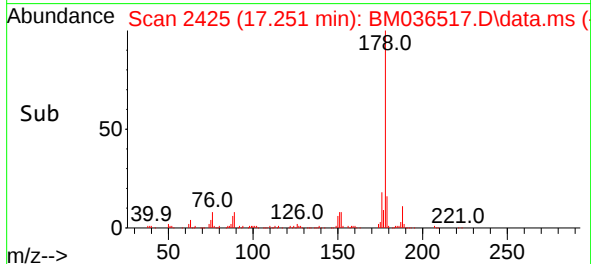
Instrument :  
 BNA\_M  
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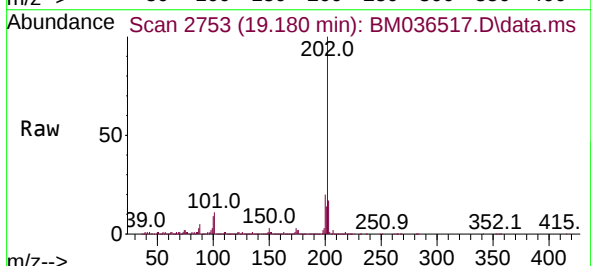
Tgt Ion:178 Resp: 75846  
 Ion Ratio Lower Upper  
 178 100  
 179 15.7 12.2 18.2  
 176 18.1 14.4 21.6

Manual Integrations  
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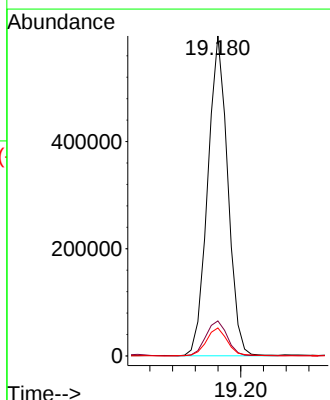
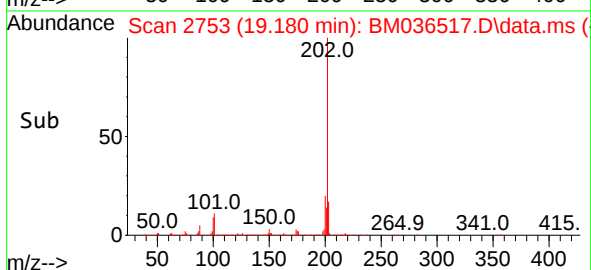
Reviewed By :Jagrut Upadhyay 09/08/2022  
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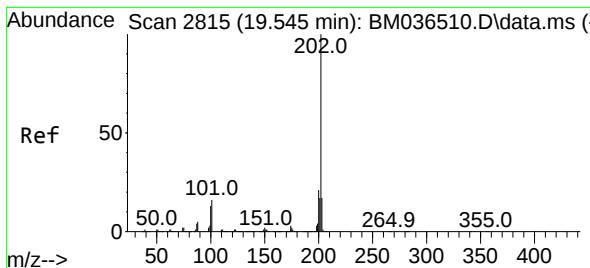


#80  
 Fluoranthene  
 Concen: 11.174 ng/ul  
 RT: 19.180 min Scan# 2753  
 Delta R.T. -0.006 min  
 Lab File: BM036517.D  
 Acq: 07 Sep 2022 20:01



Tgt Ion:202 Resp: 730879  
 Ion Ratio Lower Upper  
 202 100  
 101 10.9 10.1 15.1  
 100 8.7 7.8 11.6





#82

Pyrene

Concen: 9.513 ng/ul

RT: 19.545 min Scan# 2815

Delta R.T. -0.000 min

Lab File: BM036517.D

Acq: 07 Sep 2022 20:01

Instrument :

BNA\_M

ClientSampleId :

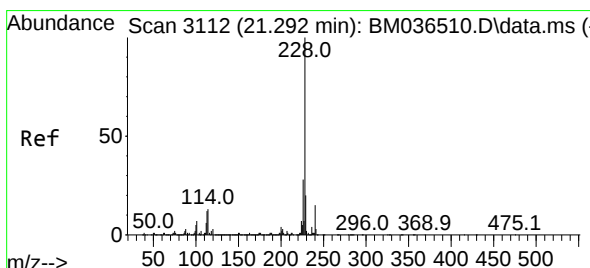
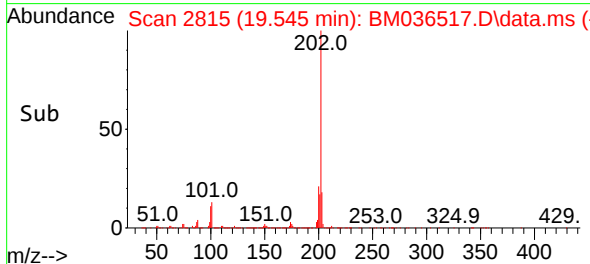
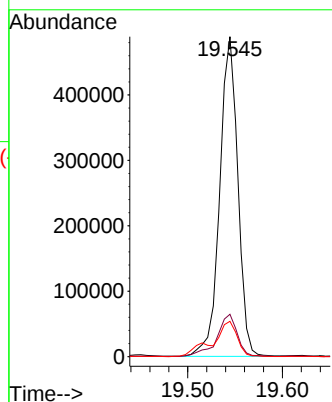
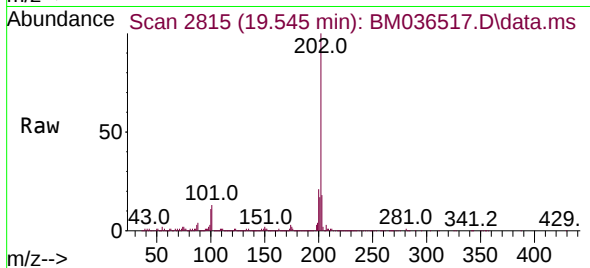
EW359

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 64934 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.2  | 11.9  | 17.9  |
| 100       | 11.0  | 10.2  | 15.4  |

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 5.253 ng/ul

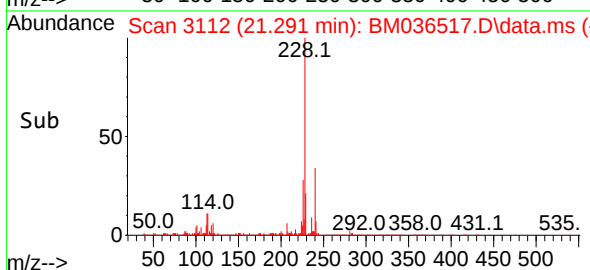
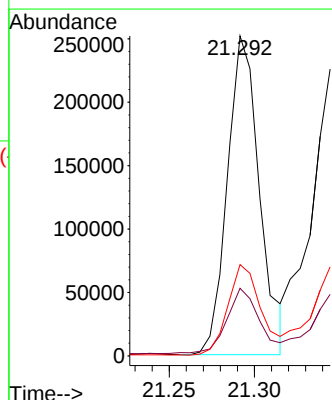
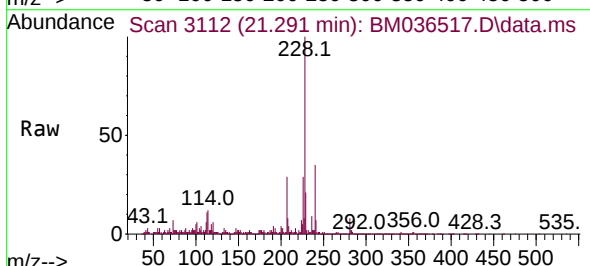
RT: 21.291 min Scan# 3112

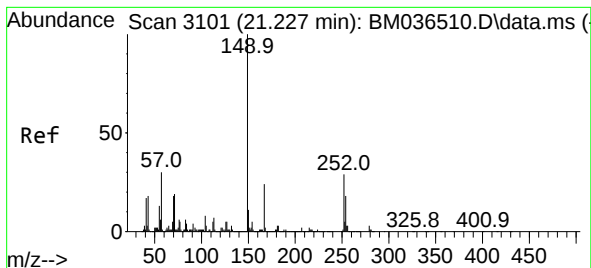
Delta R.T. -0.006 min

Lab File: BM036517.D

Acq: 07 Sep 2022 20:01

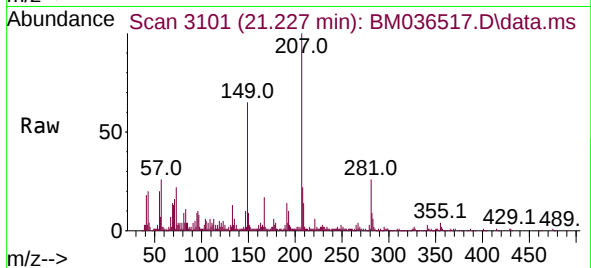
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 329337 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 21.1  | 15.6  | 23.4   |
| 226       | 28.5  | 21.7  | 32.5   |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.233 ng/ul  
RT: 21.227 min Scan# 3101  
Delta R.T. -0.006 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

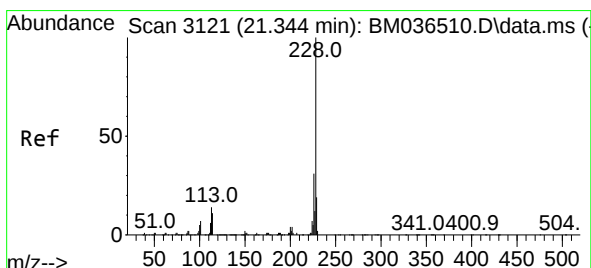
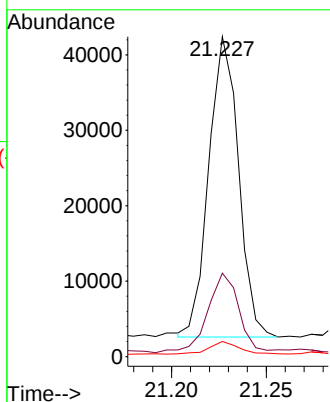
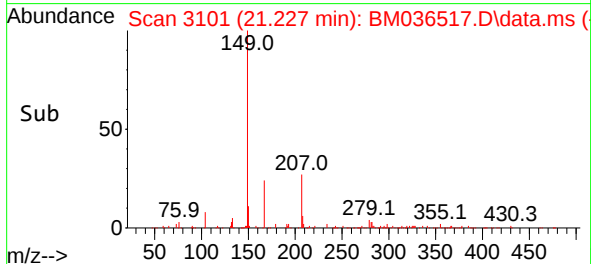
Instrument :  
BNA\_M  
ClientSampleId :  
EW359



Tgt Ion:149 Resp: 43460  
Ion Ratio Lower Upper  
149 100  
167 26.1 21.5 32.3  
279 4.7 3.4 5.2

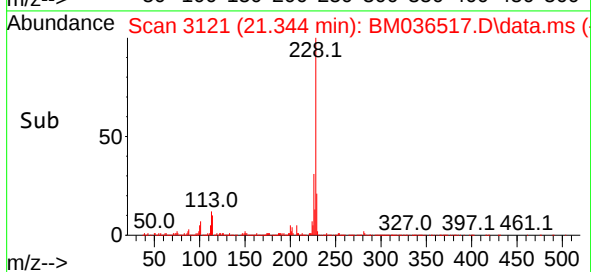
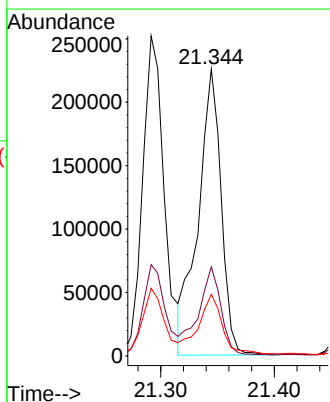
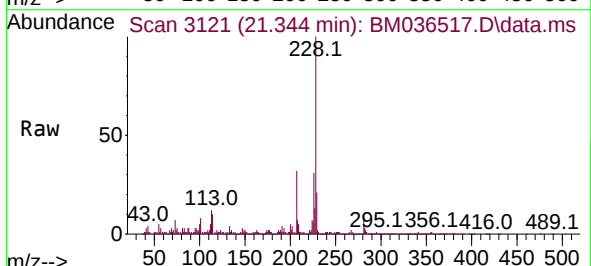
Manual Integrations  
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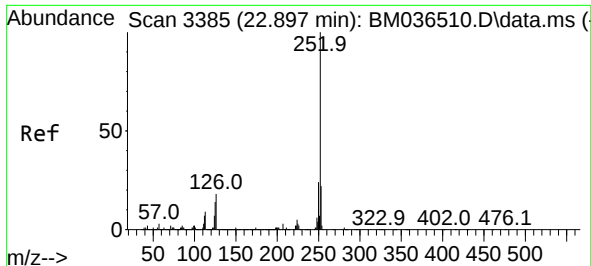
Reviewed By :Jagrut Upadhyay 09/08/2022  
Supervised By :mohammad ahmed 09/19/2022



#87  
Chrysene  
Concen: 5.170 ng/ul  
RT: 21.344 min Scan# 3121  
Delta R.T. -0.000 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

Tgt Ion:228 Resp: 318542  
Ion Ratio Lower Upper  
228 100  
226 31.1 23.7 35.5  
229 21.5 15.5 23.3





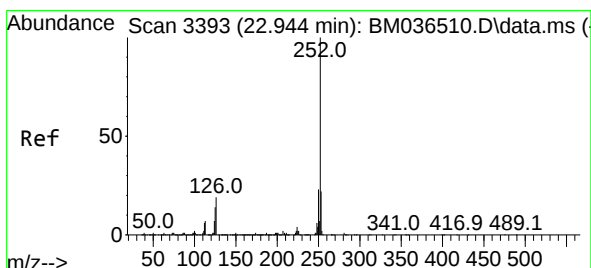
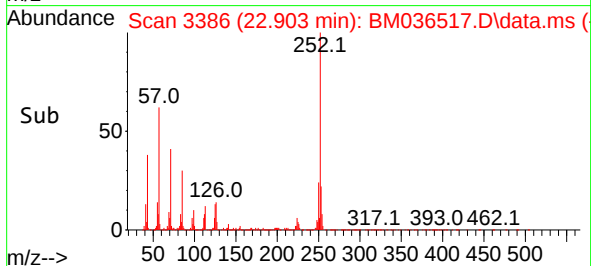
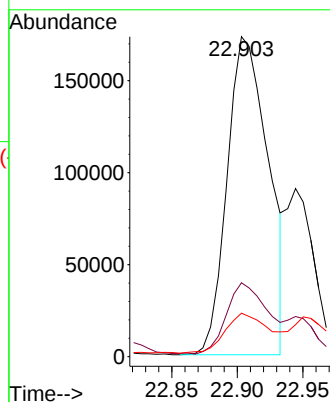
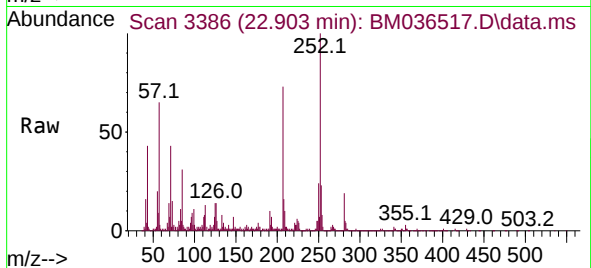
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Benzo(b)fluoranthene  
Concen: 7.172 ng/ul  
RT: 22.903 min Scan# 3386  
Delta R.T. -0.006 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

Instrument :  
BNA\_M  
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EW359

Tgt Ion:252 Resp: 377922  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.5 26.3  
125 13.6 10.7 16.1

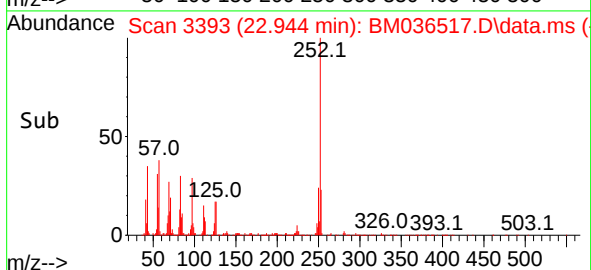
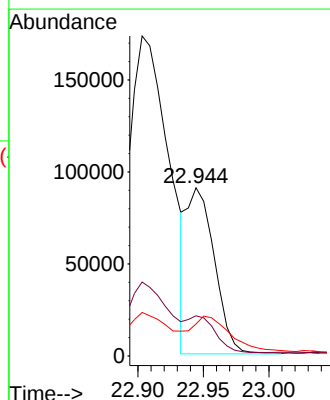
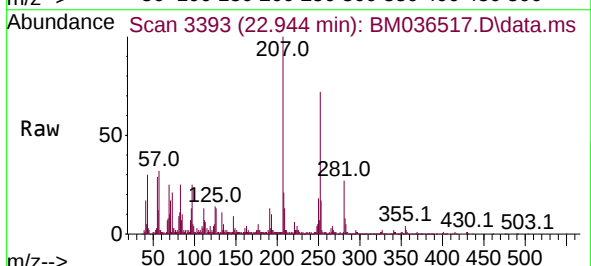
Manual Integrations  
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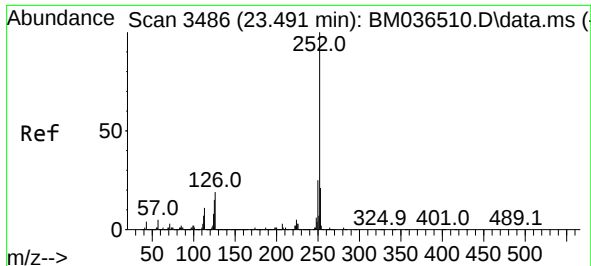
Reviewed By :Jagrut Upadhyay 09/08/2022  
Supervised By :mohammad ahmed 09/19/2022



#91  
Benzo(k)fluoranthene  
Concen: 2.643 ng/ul m  
RT: 22.944 min Scan# 3393  
Delta R.T. -0.012 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

Tgt Ion:252 Resp: 132512  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.4 26.0  
125 19.0 10.6 15.8#





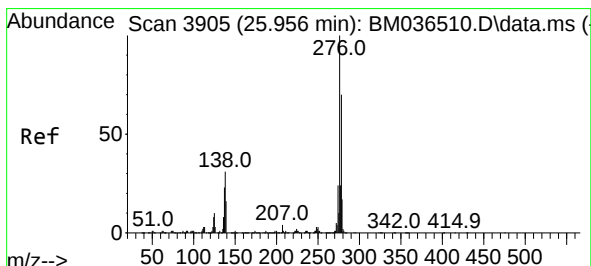
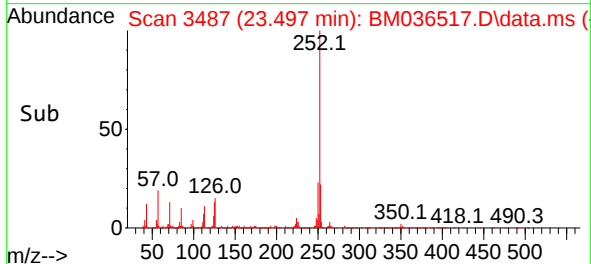
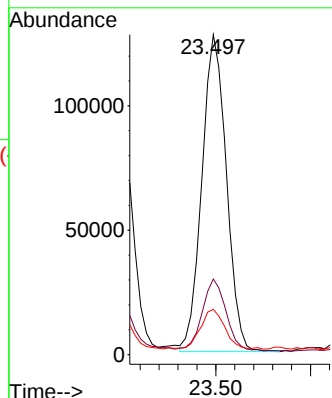
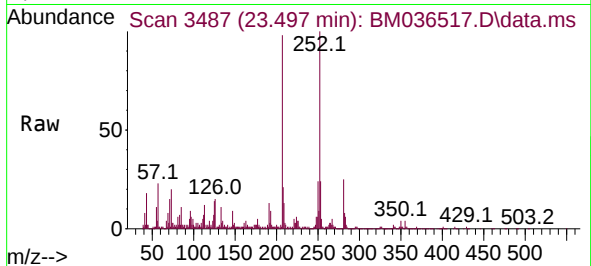
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Benzo(a)pyrene  
Concen: 4.414 ng/ul  
RT: 23.497 min Scan# 3487  
Delta R.T. -0.006 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

Instrument :  
BNA\_M  
ClientSampleId :  
EW359

Tgt Ion:252 Resp: 228806  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.3 25.9  
125 14.2 11.8 17.8

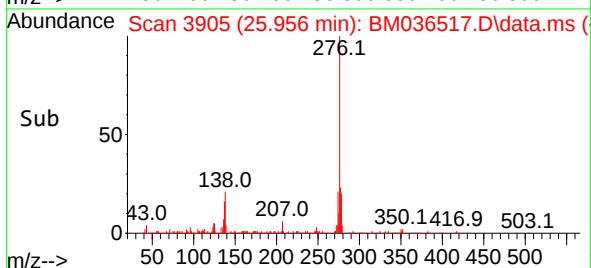
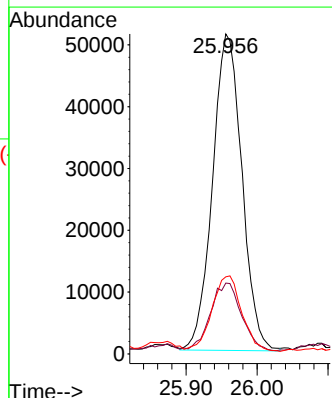
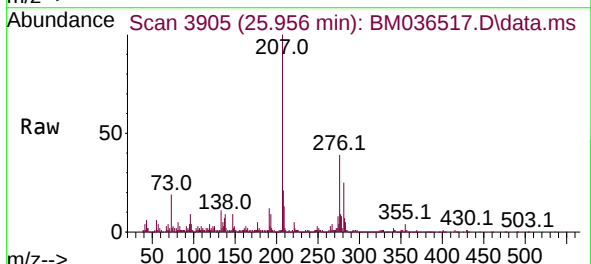
Manual Integrations  
APPROVED

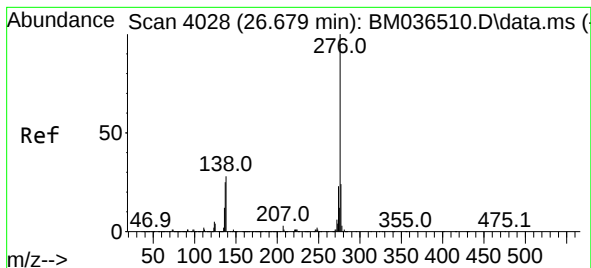
Reviewed By :Jagrut Upadhyay 09/08/2022  
Supervised By :mohammad ahmed 09/19/2022



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.417 ng/ul  
RT: 25.956 min Scan# 3905  
Delta R.T. -0.012 min  
Lab File: BM036517.D  
Acq: 07 Sep 2022 20:01

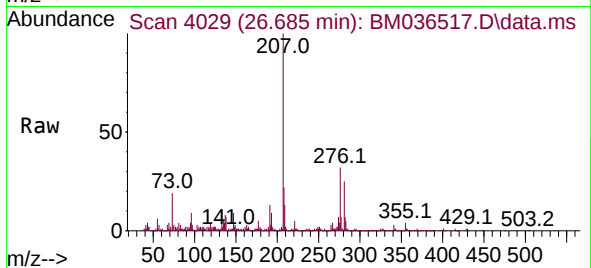
Tgt Ion:276 Resp: 147304  
Ion Ratio Lower Upper  
276 100  
138 22.1 25.6 38.4#  
277 24.1 20.1 30.1





#96  
 Benzo(g,h,i)perylene  
 Concen: 2.502 ng/ul  
 RT: 26.685 min Scan# 4029  
 Delta R.T. -0.012 min  
 Lab File: BM036517.D  
 Acq: 07 Sep 2022 20:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW359



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 130404 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 23.0  | 21.3  | 31.9   |
| 277       | 22.7  | 18.6  | 28.0   |

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 09/08/2022  
 Supervised By :mohammad ahmed 09/19/2022

