

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102122\  
 Data File : BM037176.D  
 Acq On : 21 Oct 2022 16:24  
 Operator : CG/JU  
 Sample : N5103-03  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BB2

Manual Integrations  
 APPROVED

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

Quant Time: Oct 22 02:33:32 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 20 02:11:25 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.905  | 152  | 4539     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.705 | 136  | 13697    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.534 | 164  | 8095     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.276 | 188  | 16923    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.450 | 240  | 14792    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.827 | 264  | 13592    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.315  | 96   | 18594    | 3.360 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.294 | 152  | 5985     | 0.307 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.299 | 212  | 15241    | 0.341 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.318 | 178  | 4280     | 0.075 | ng/ul  | 95       |
| 16) Anthracene              | 17.406 | 178  | 1438     | 0.032 | ng/ul# | 81       |
| 19) Fluoranthene            | 19.327 | 202  | 12860    | 0.200 | ng/ul  | 99       |
| 20) Pyrene                  | 19.689 | 202  | 12300m   | 0.189 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.436 | 228  | 6908     | 0.120 | ng/ul  | 97       |
| 22) Chrysene                | 21.488 | 228  | 9106     | 0.138 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.102 | 252  | 11017    | 0.153 | ng/ul  | 79       |
| 25) Benzo(k)fluoranthene    | 23.149 | 252  | 5086     | 0.073 | ng/ul# | 68       |
| 26) Benzo(a)pyrene          | 23.722 | 252  | 6963     | 0.120 | ng/ul# | 76       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.290 | 276  | 5468     | 0.068 | ng/ul  | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.306 | 278  | 2245     | 0.035 | ng/ul# | 57       |
| 29) Benzo(g,h,i)perylene    | 27.047 | 276  | 5332     | 0.075 | ng/ul# | 90       |
| -----                       |        |      |          |       |        |          |

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

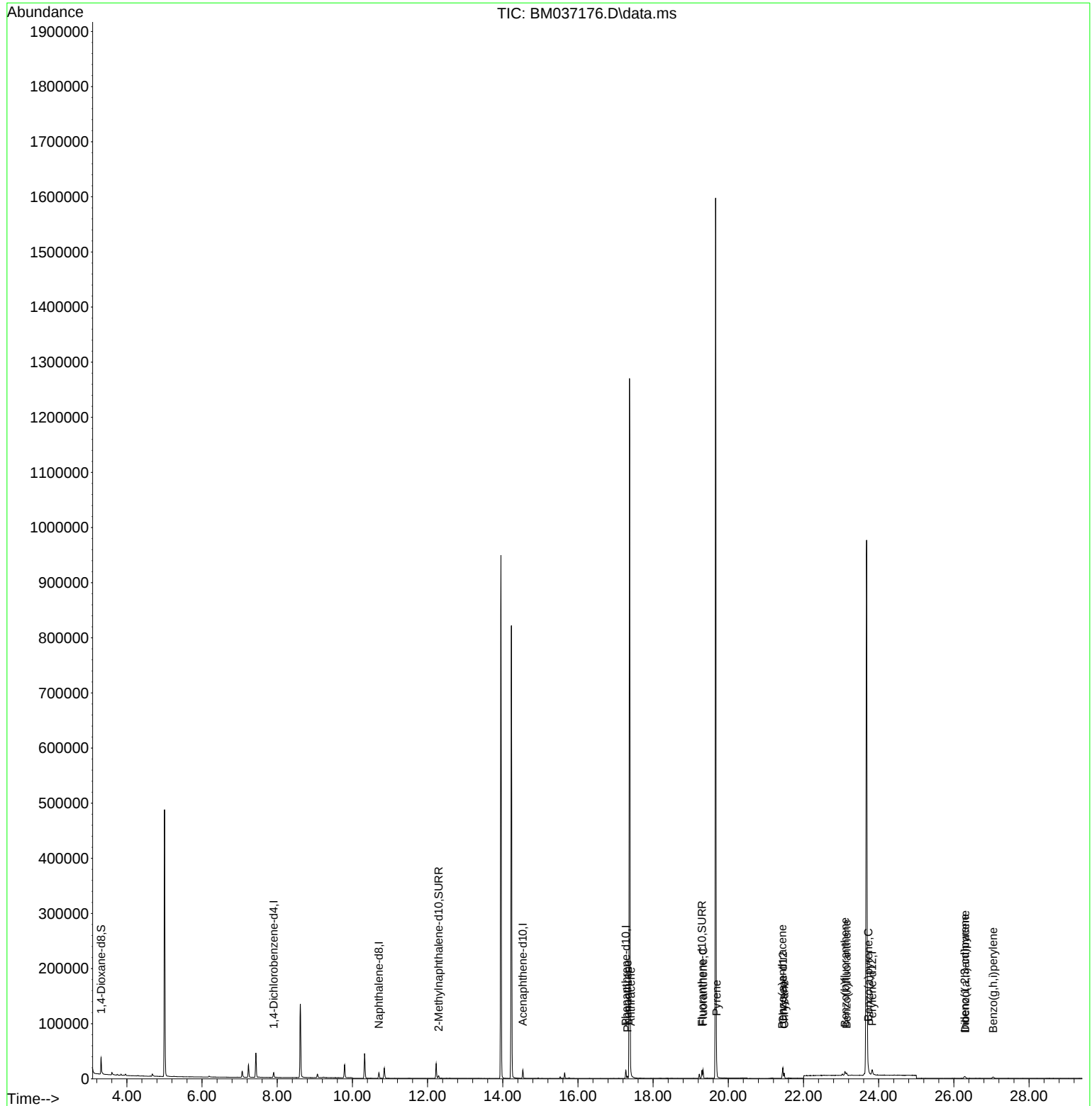
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102122\  
Data File : BM037176.D  
Acq On : 21 Oct 2022 16:24  
Operator : CG/JU  
Sample : N5103-03  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

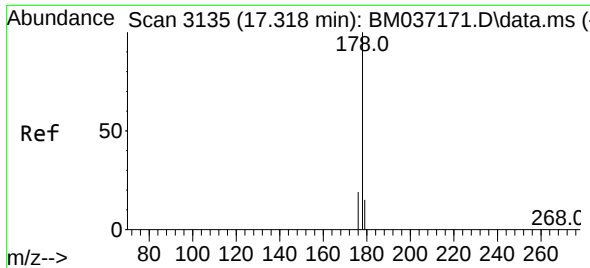
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2

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Supervised By :mohammad ahmed 10/24/2022

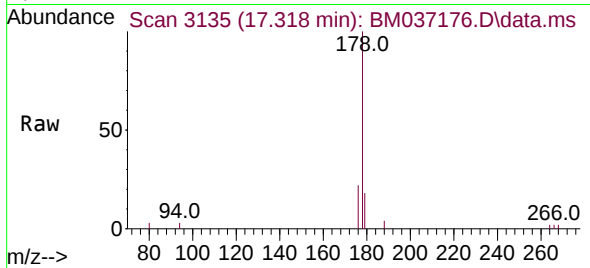
Quant Time: Oct 22 02:33:32 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 20 02:11:25 2022  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.075 ng/u1  
RT: 17.318 min Scan# 3135  
Delta R.T. -0.004 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

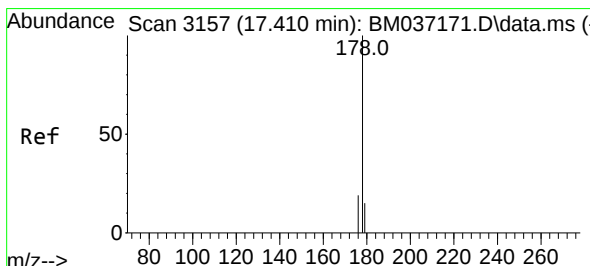
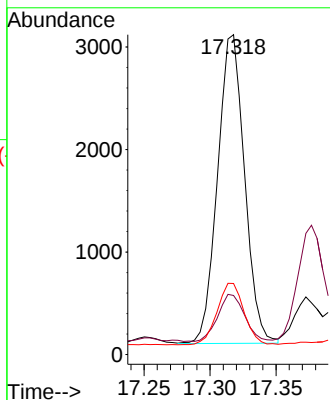
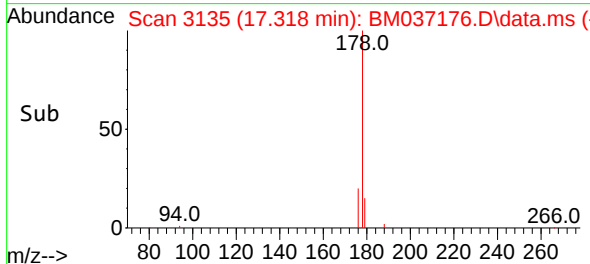
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



Tgt Ion:178 Resp: 4280  
Ion Ratio Lower Upper  
178 100  
179 18.5 13.0 19.6  
176 22.2 16.1 24.1

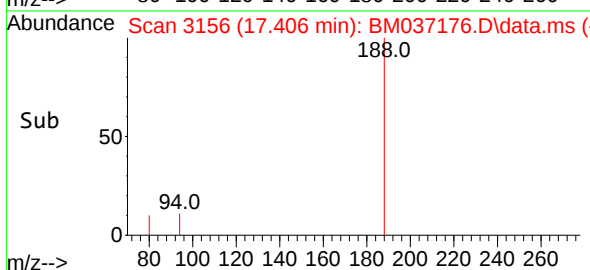
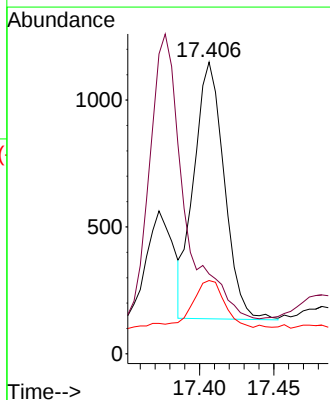
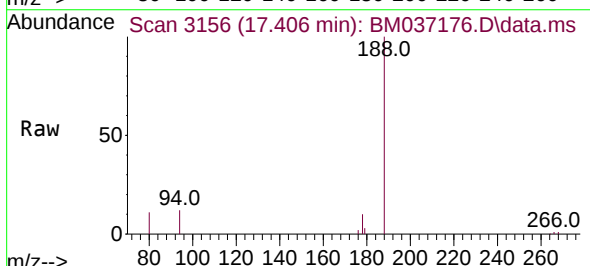
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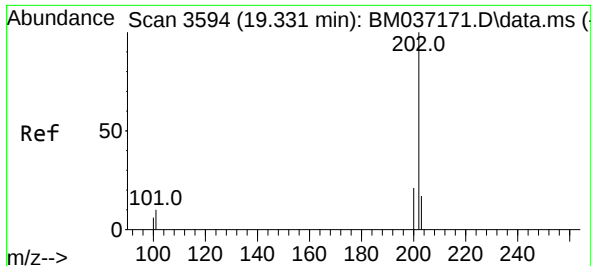
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#16  
Anthracene  
Concen: 0.032 ng/u1  
RT: 17.406 min Scan# 3156  
Delta R.T. -0.008 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

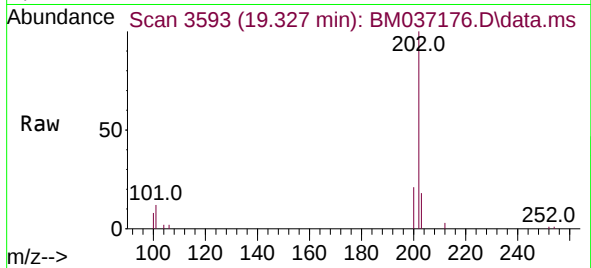
Tgt Ion:178 Resp: 1438  
Ion Ratio Lower Upper  
178 100  
179 27.4 13.1 19.7#  
176 25.1 15.3 22.9#





#19  
Fluoranthene  
Concen: 0.200 ng/ul  
RT: 19.327 min Scan# 3593  
Delta R.T. -0.004 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

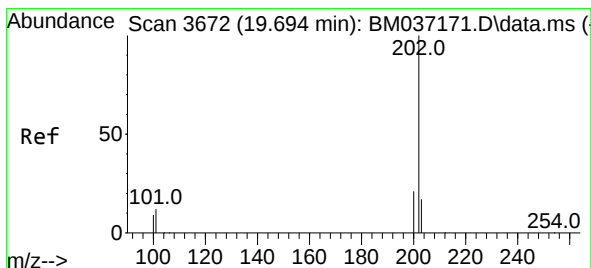
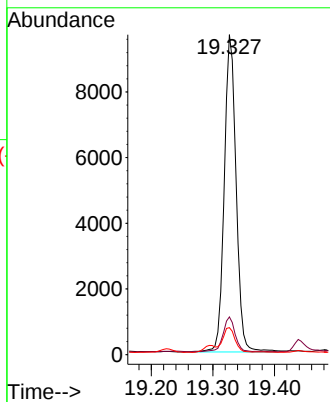
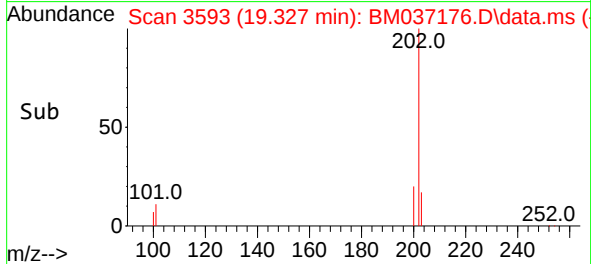
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



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Ion Ratio Lower Upper  
202 100  
101 11.8 8.9 13.3  
100 8.5 6.9 10.3

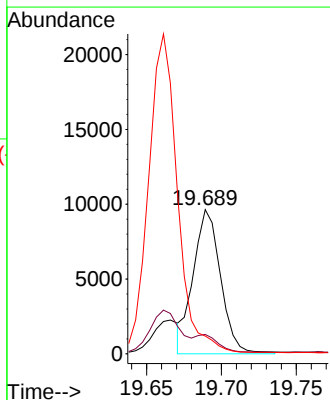
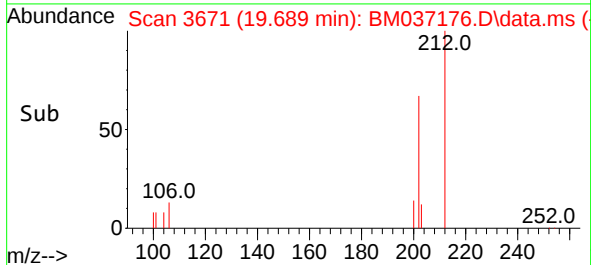
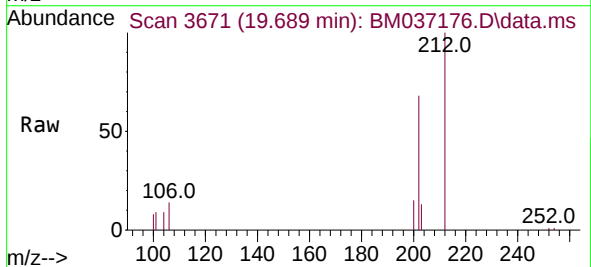
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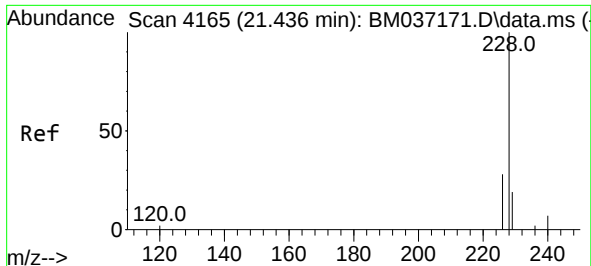
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022



#20  
Pyrene  
Concen: 0.189 ng/ul m  
RT: 19.689 min Scan# 3671  
Delta R.T. -0.009 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

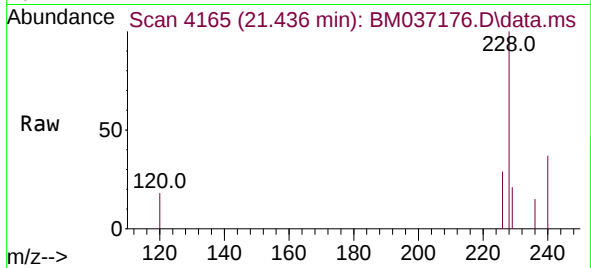
Tgt Ion:202 Resp: 12300  
Ion Ratio Lower Upper  
202 100  
101 13.5 9.7 14.5  
100 12.4 7.8 11.8#





#21  
Benzo(a)anthracene  
Concen: 0.120 ng/ul  
RT: 21.436 min Scan# 4165  
Delta R.T. -0.006 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

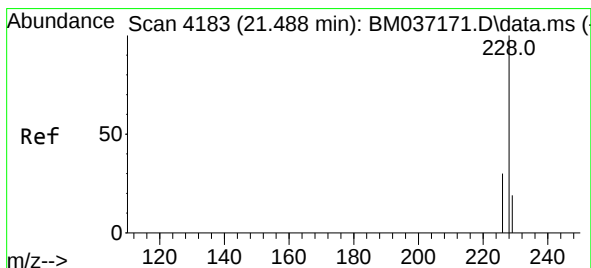
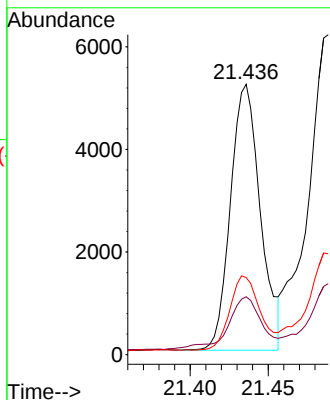
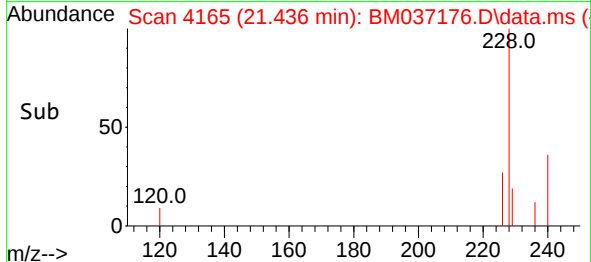
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



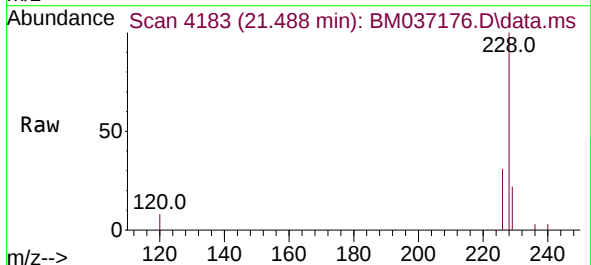
Tgt Ion:228 Resp: 6908  
Ion Ratio Lower Upper  
228 100  
229 21.4 15.8 23.6  
226 28.5 21.8 32.8

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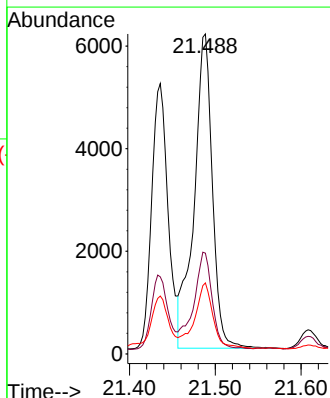
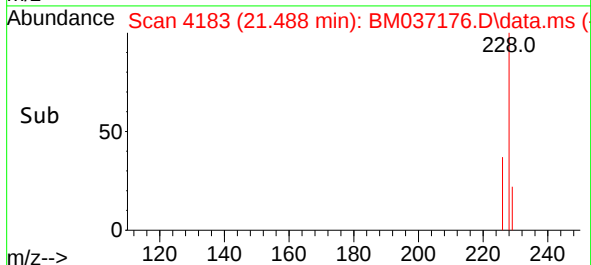
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

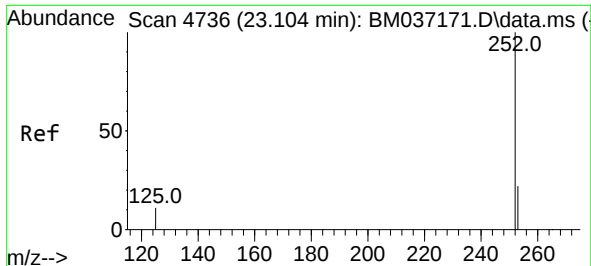


#22  
Chrysene  
Concen: 0.138 ng/ul  
RT: 21.488 min Scan# 4183  
Delta R.T. -0.003 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24



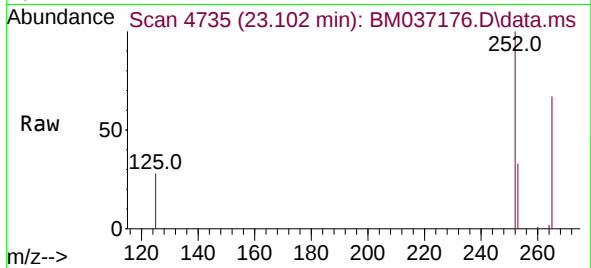
Tgt Ion:228 Resp: 9106  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.8 37.2  
229 22.2 16.0 24.0





#24  
Benzo(b)fluoranthene  
Concen: 0.153 ng/ul  
RT: 23.102 min Scan# 4735  
Delta R.T. -0.008 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

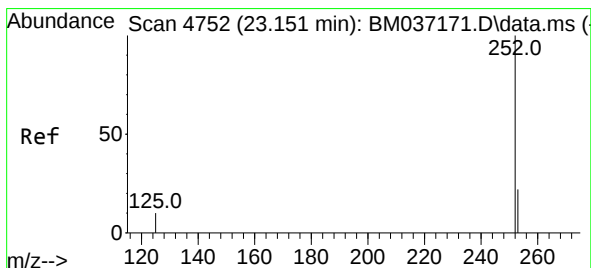
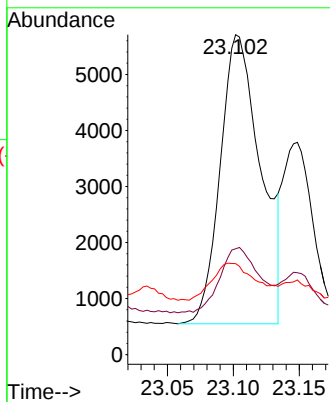
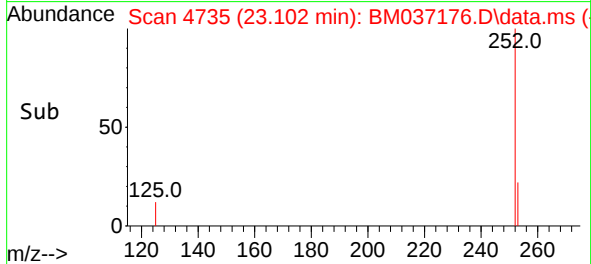
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



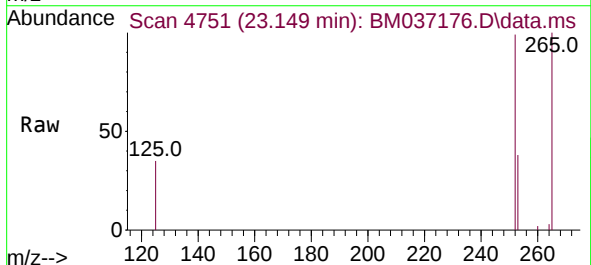
Tgt Ion:252 Resp: 1101  
Ion Ratio Lower Upper  
252 100  
253 33.1 0.0 50.6  
125 28.5 0.0 32.6

Manual Integrations  
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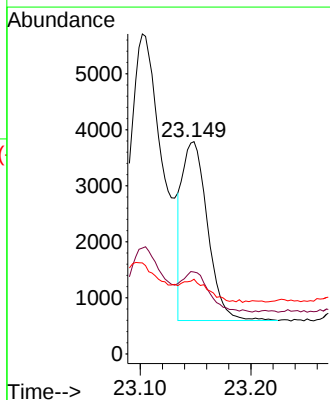
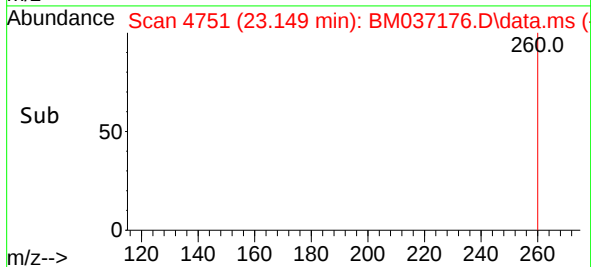
Reviewed By :Jagrut Upadhyay 10/24/2022  
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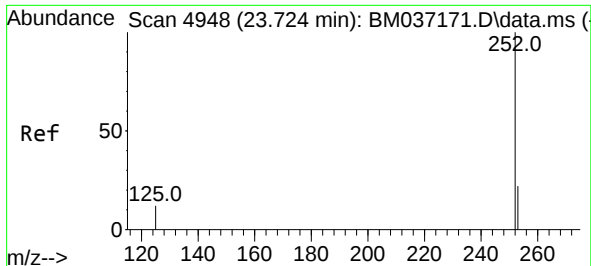


#25  
Benzo(k)fluoranthene  
Concen: 0.073 ng/ul  
RT: 23.149 min Scan# 4751  
Delta R.T. -0.008 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24



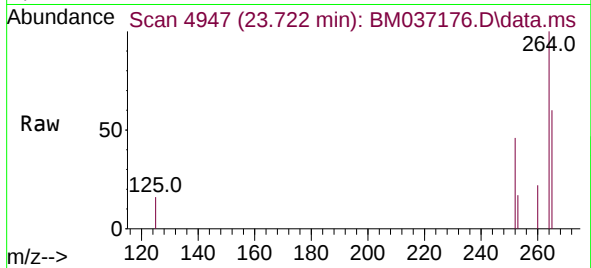
Tgt Ion:252 Resp: 5086  
Ion Ratio Lower Upper  
252 100  
253 38.6 20.6 30.8#  
125 35.1 13.3 19.9#





#26  
Benzo(a)pyrene  
Concen: 0.120 ng/ul  
RT: 23.722 min Scan# 4948  
Delta R.T. -0.008 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

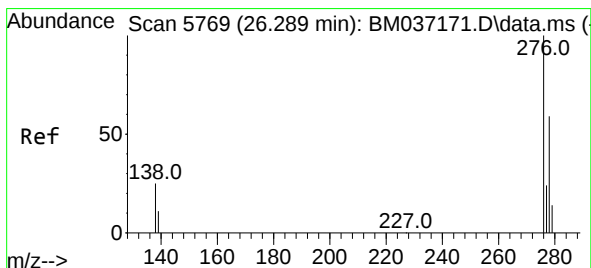
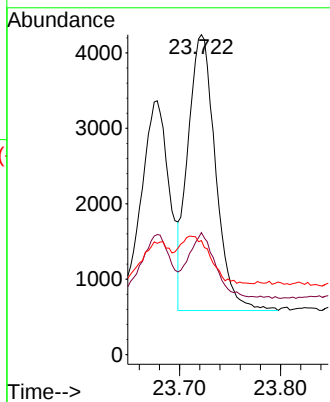
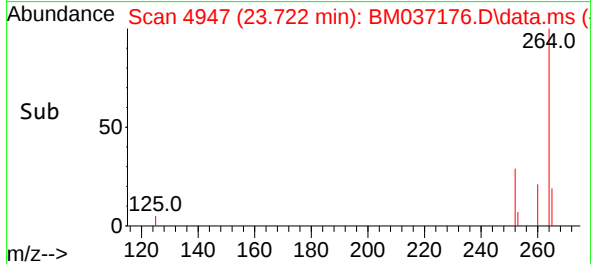
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



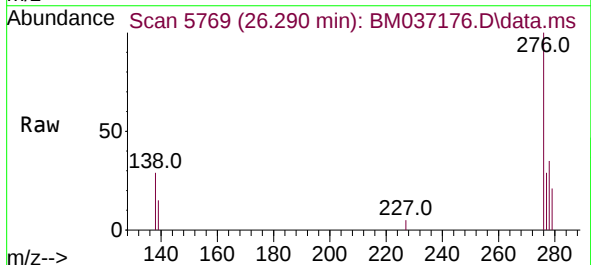
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Ion Ratio Lower Upper  
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253 38.1 22.1 33.1  
125 35.6 17.6 26.4

Manual Integrations  
APPROVED

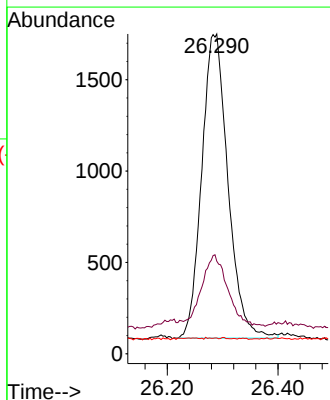
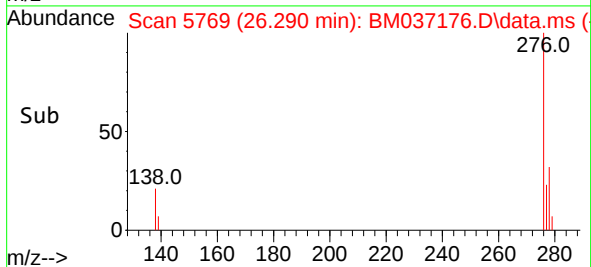
Reviewed By :Jagrut Upadhyay 10/24/2022  
Supervised By :mohammad ahmed 10/24/2022

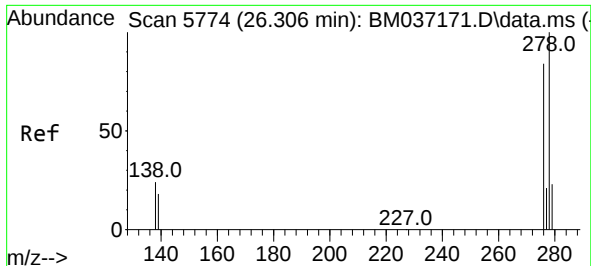


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.068 ng/ul  
RT: 26.290 min Scan# 5769  
Delta R.T. -0.010 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24



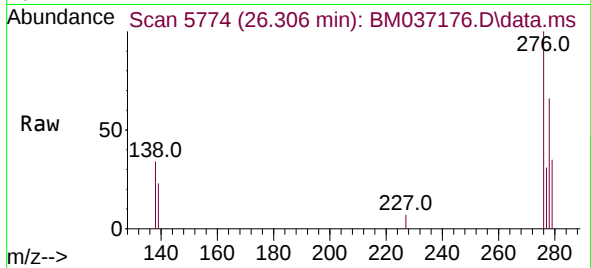
Tgt Ion:276 Resp: 5468  
Ion Ratio Lower Upper  
276 100  
138 24.7 21.4 32.0  
227 0.1 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.035 ng/ul  
RT: 26.306 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24

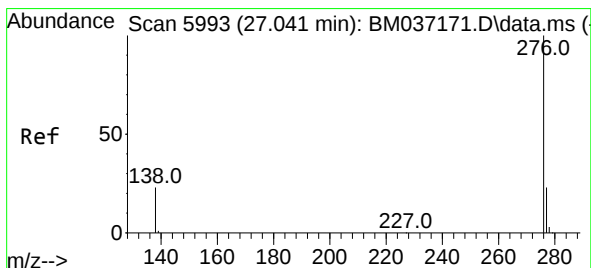
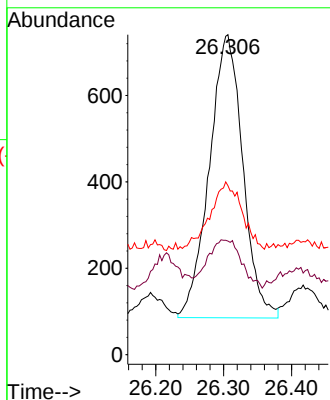
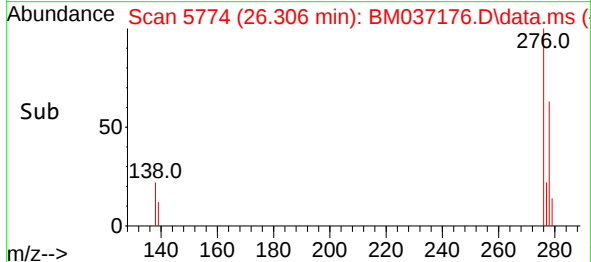
Instrument :  
BNA\_M  
ClientSampleId :  
C0BB2



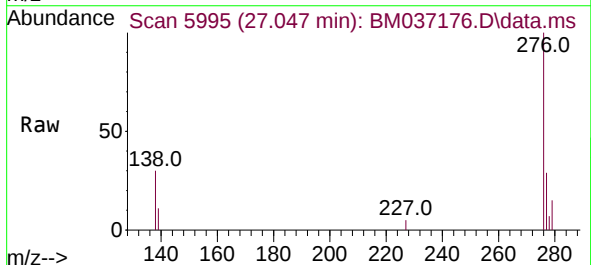
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Ion Ratio Lower Upper  
278 100  
139 35.5 16.3 24.5  
279 52.8 21.5 32.3

Manual Integrations  
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Supervised By :mohammad ahmed 10/24/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.075 ng/ul  
RT: 27.047 min Scan# 5995  
Delta R.T. -0.010 min  
Lab File: BM037176.D  
Acq: 21 Oct 2022 16:24



Tgt Ion:276 Resp: 5332  
Ion Ratio Lower Upper  
276 100  
138 30.3 19.8 29.8  
277 29.3 20.1 30.1

