

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038240.D  
 Acq On : 23 Dec 2022 19:44  
 Operator : CG/JU  
 Sample : N6014-04  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBXR5

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
 Supervised By :Yogesh Patel 12/24/2022

Quant Time: Dec 23 23:24:31 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   | 8.034  | 152  | 4720     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.845 | 136  | 14360    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.662 | 164  | 7952     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.400 | 188  | 15604    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.571 | 240  | 9800     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.021 | 264  | 10206    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.393  | 96   | 20346    | 4.238 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.429 | 152  | 7668     | 0.363 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.422 | 212  | 13769    | 0.374 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.443 | 178  | 4450     | 0.085 | ng/ul# | 93       |
| 16) Anthracene              | 17.536 | 178  | 1092     | 0.022 | ng/ul# | 68       |
| 19) Fluoranthene            | 19.450 | 202  | 12679    | 0.236 | ng/ul# | 79       |
| 20) Pyrene                  | 19.817 | 202  | 10738m   | 0.198 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.553 | 228  | 5690     | 0.132 | ng/ul  | 94       |
| 22) Chrysene                | 21.609 | 228  | 6739m    | 0.161 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.272 | 252  | 10037    | 0.222 | ng/ul  | 77       |
| 25) Benzo(k)fluoranthene    | 23.316 | 252  | 3473m    | 0.080 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.912 | 252  | 6344     | 0.161 | ng/ul# | 77       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.582 | 276  | 5449     | 0.100 | ng/ul# | 85       |
| 28) Dibenzo(a,h)anthracene  | 26.579 | 278  | 1428     | 0.034 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.374 | 276  | 5552     | 0.121 | ng/ul# | 83       |
| -----                       |        |      |          |       |        |          |

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

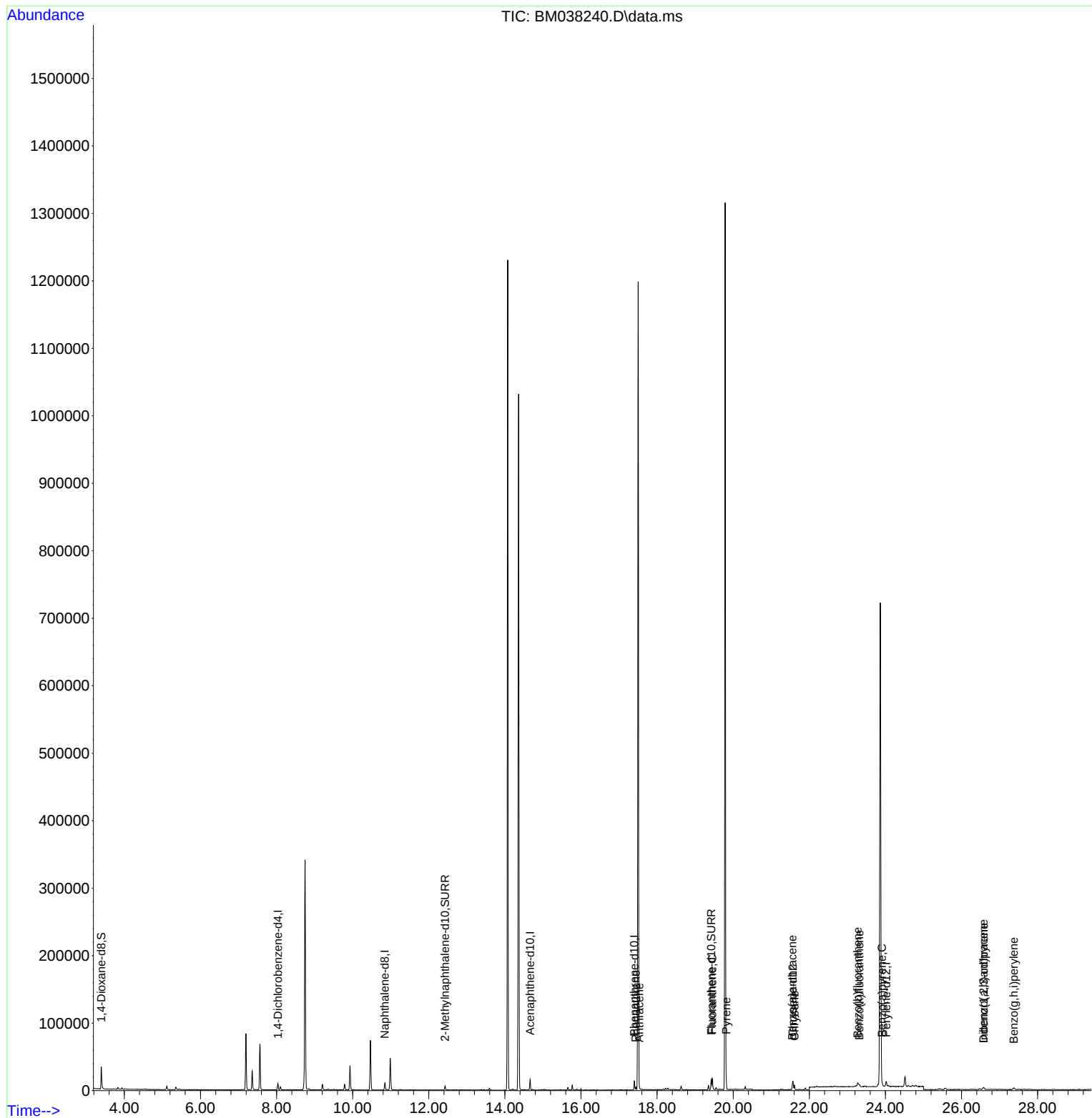
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
Data File : BM038240.D  
Acq On : 23 Dec 2022 19:44  
Operator : CG/JU  
Sample : N6014-04  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

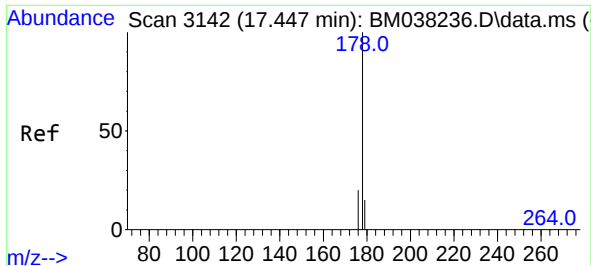
Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

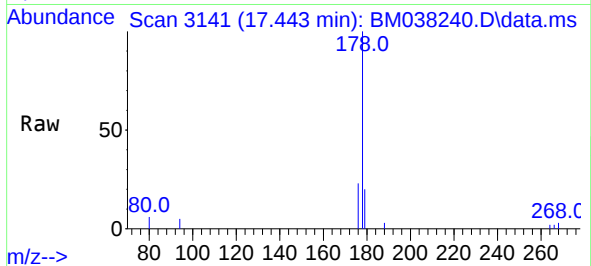
Quant Time: Dec 23 23:24:31 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 23:36:45 2022  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.085 ng/u1  
RT: 17.443 min Scan# 3142  
Delta R.T. -0.004 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

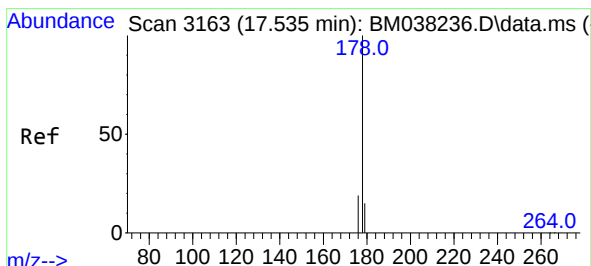
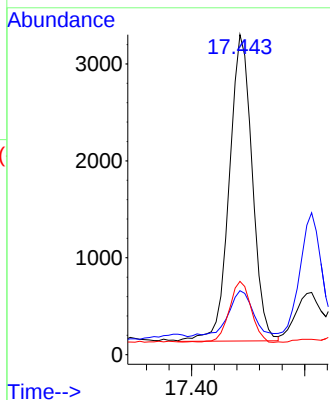
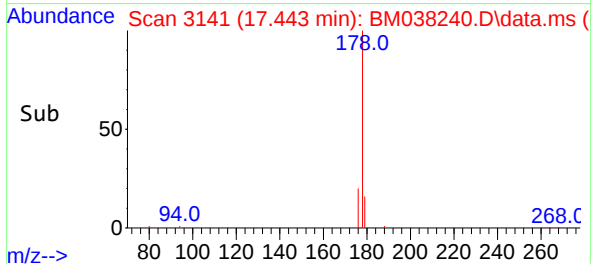
Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5



Tgt Ion:178 Resp: 4450  
Ion Ratio Lower Upper  
178 100  
179 20.0 13.0 19.4#  
176 22.9 16.2 24.4#

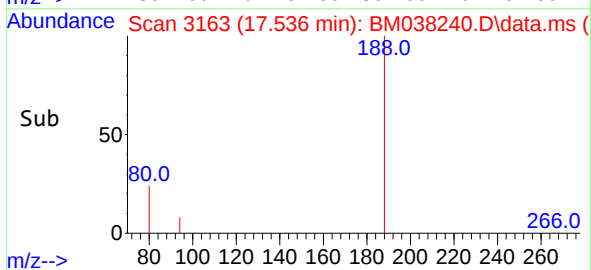
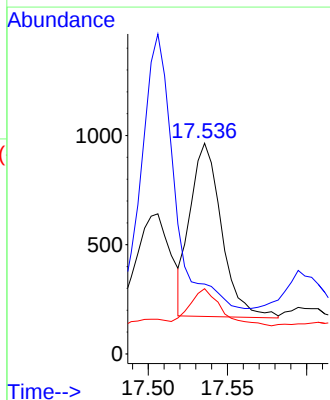
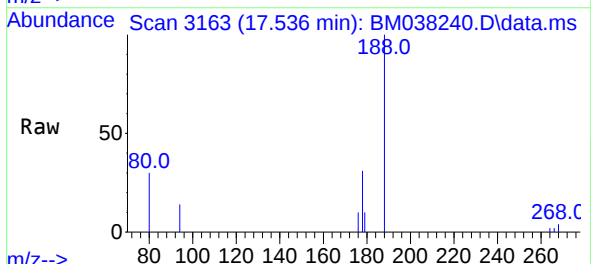
Manual Integrations  
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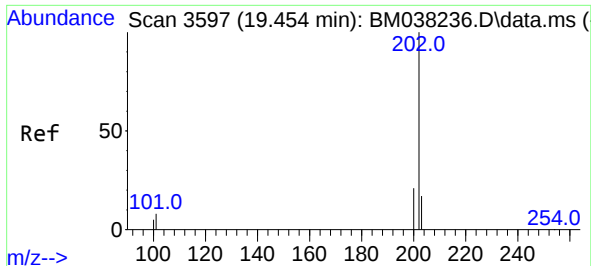
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#16  
Anthracene  
Concen: 0.022 ng/u1  
RT: 17.536 min Scan# 3163  
Delta R.T. -0.004 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

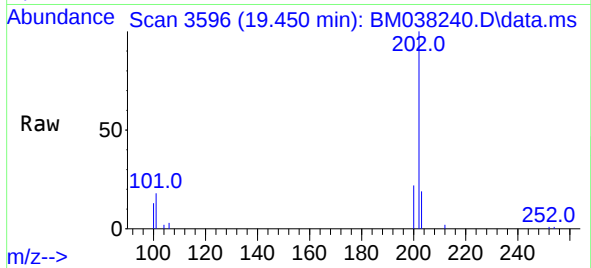
Tgt Ion:178 Resp: 1092  
Ion Ratio Lower Upper  
178 100  
179 33.2 13.0 19.6#  
176 31.0 15.6 23.4#





#19  
Fluoranthene  
Concen: 0.236 ng/u1  
RT: 19.450 min Scan# 3597  
Delta R.T. -0.004 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

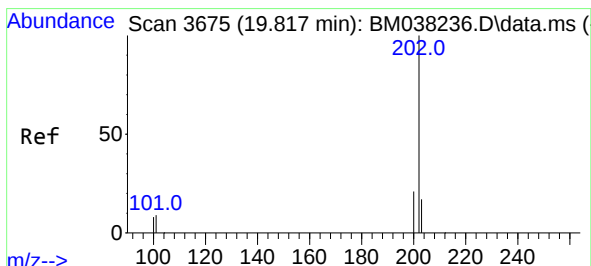
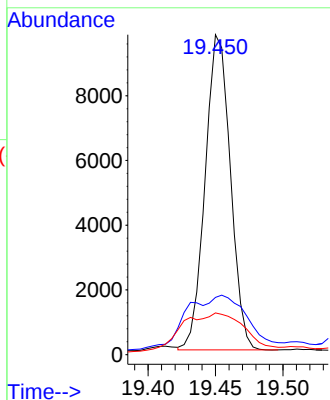
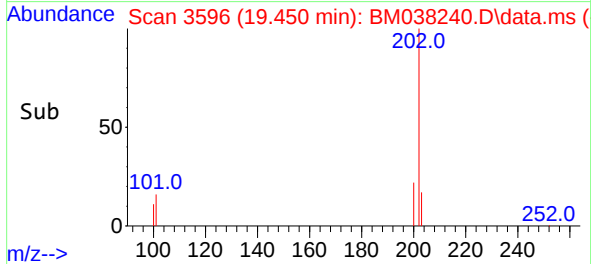
Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5



Tgt Ion:202 Resp: 12679  
Ion Ratio Lower Upper  
202 100  
101 17.9 7.5 11.3  
100 13.0 5.6 8.4

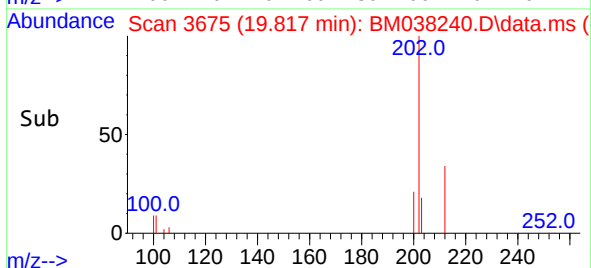
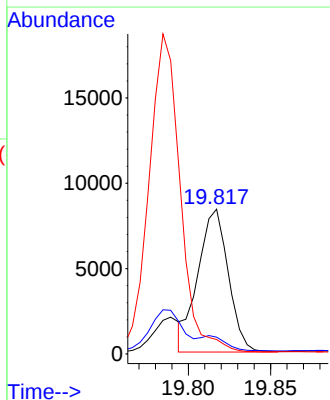
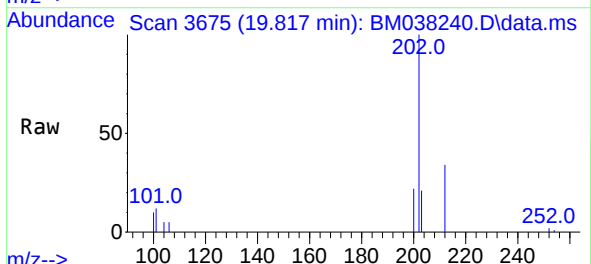
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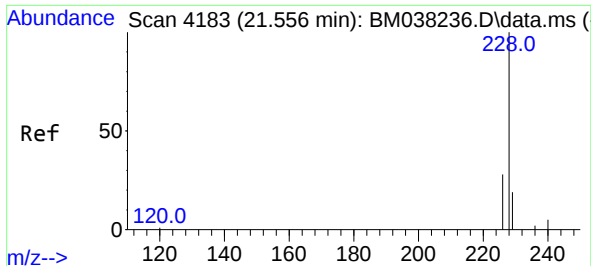
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#20  
Pyrene  
Concen: 0.198 ng/u1 m  
RT: 19.817 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

Tgt Ion:202 Resp: 10738  
Ion Ratio Lower Upper  
202 100  
101 11.6 8.9 13.3  
100 10.0 7.4 11.0





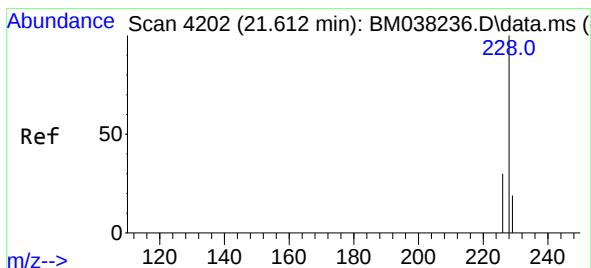
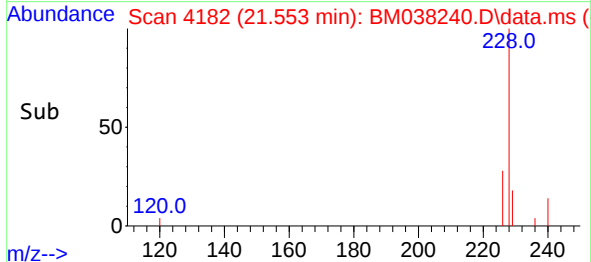
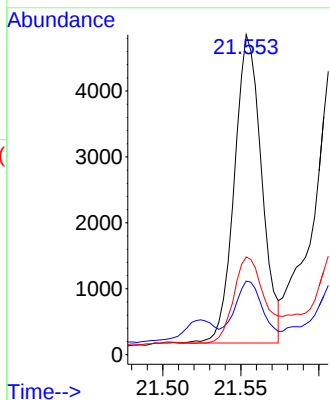
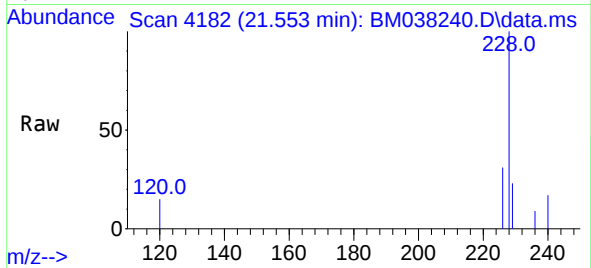
#21  
Benzo(a)anthracene  
Concen: 0.132 ng/ul  
RT: 21.553 min Scan# 4183  
Delta R.T. -0.006 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5

Tgt Ion:228 Resp: 5690  
Ion Ratio Lower Upper  
228 100  
229 23.0 15.5 23.3  
226 30.5 22.2 33.2

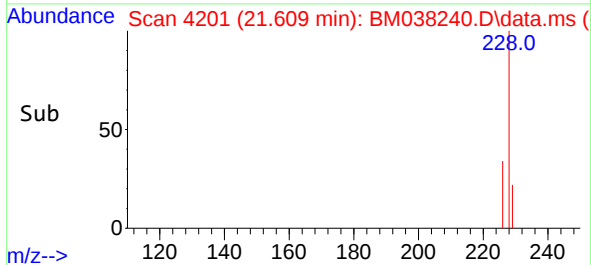
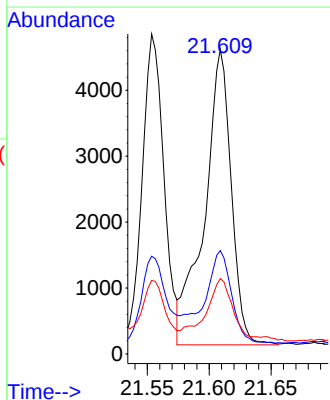
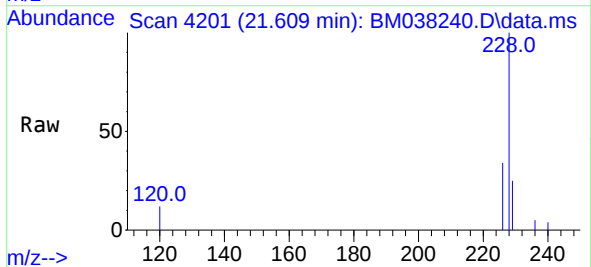
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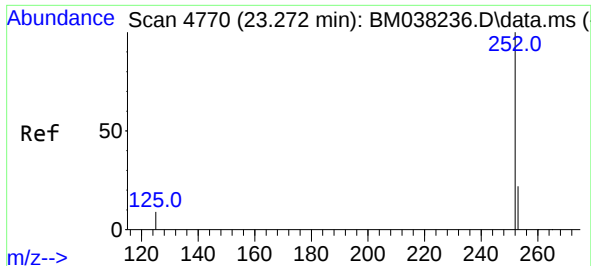
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#22  
Chrysene  
Concen: 0.161 ng/ul m  
RT: 21.609 min Scan# 4201  
Delta R.T. -0.003 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

Tgt Ion:228 Resp: 6739  
Ion Ratio Lower Upper  
228 100  
226 33.9 25.0 37.4  
229 24.8 16.0 24.0#





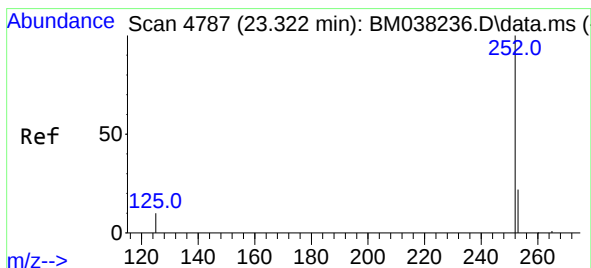
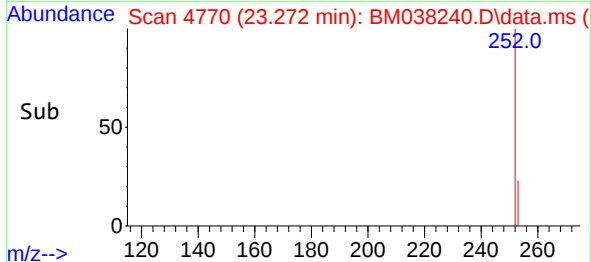
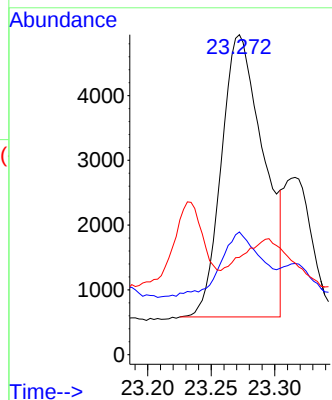
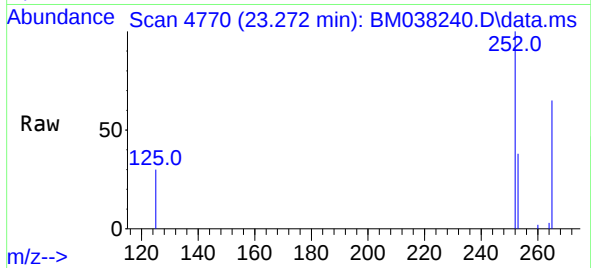
#24  
Benzo(b)fluoranthene  
Concen: 0.222 ng/ul  
RT: 23.272 min Scan# 4770  
Delta R.T. 0.000 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5

Tgt Ion:252 Resp: 1003  
Ion Ratio Lower Upper  
252 100  
253 38.3 0.0 56.0  
125 30.4 0.0 36.6

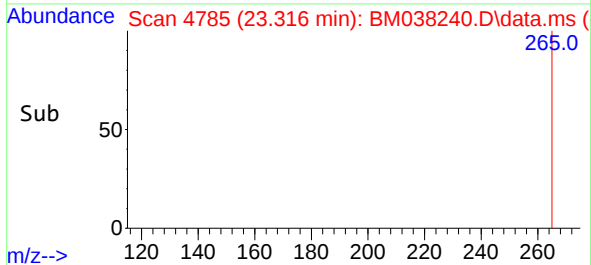
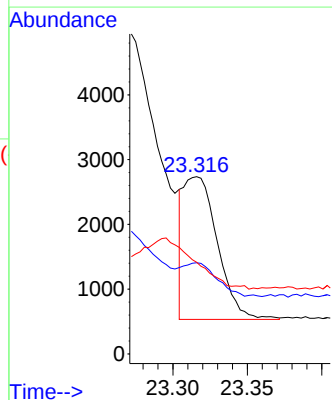
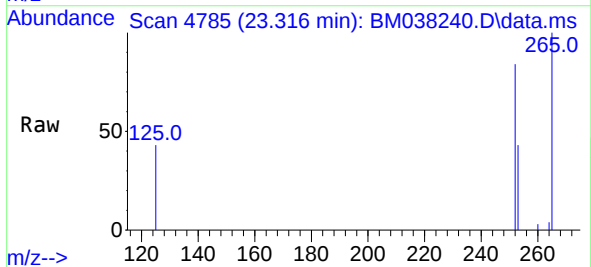
Manual Integrations  
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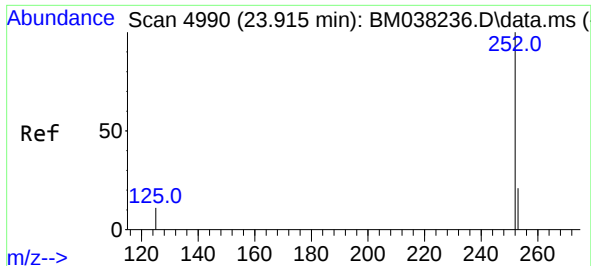
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#25  
Benzo(k)fluoranthene  
Concen: 0.080 ng/ul m  
RT: 23.316 min Scan# 4785  
Delta R.T. -0.006 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

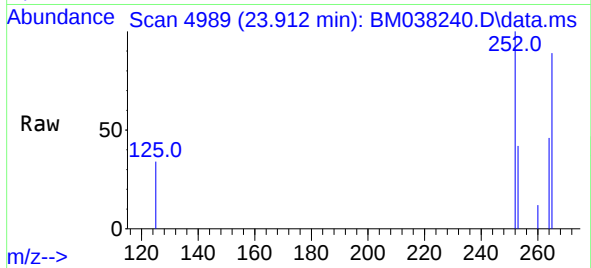
Tgt Ion:252 Resp: 3473  
Ion Ratio Lower Upper  
252 100  
253 51.4 22.5 33.7#  
125 51.7 14.4 21.6#





#26  
Benzo(a)pyrene  
Concen: 0.161 ng/ul  
RT: 23.912 min Scan# 4989  
Delta R.T. 0.000 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

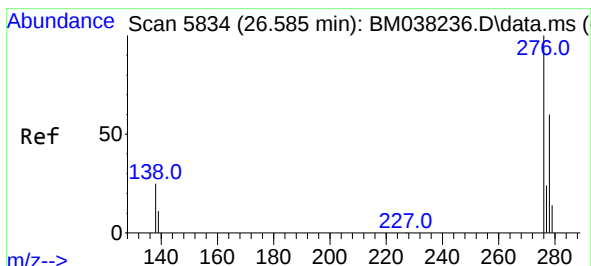
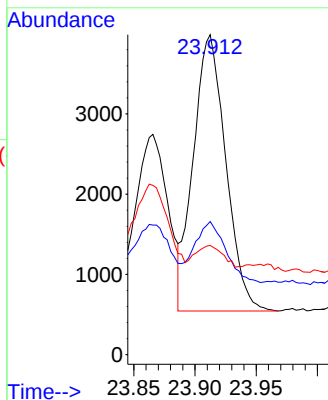
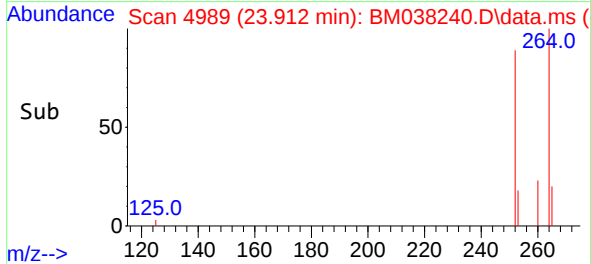
Instrument :  
BNA\_M  
ClientSampleId :  
DBXR5



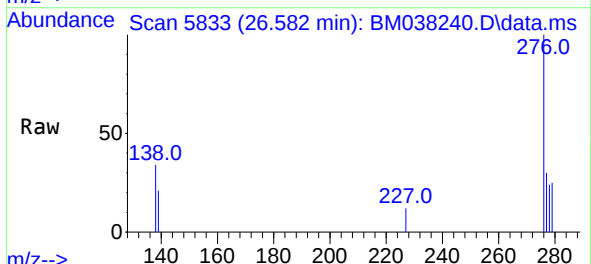
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Ion Ratio Lower Upper  
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253 41.6 24.2 36.4  
125 34.2 17.3 25.9

Manual Integrations  
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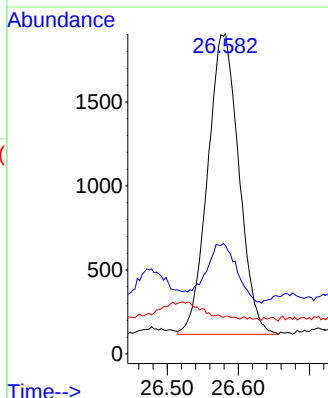
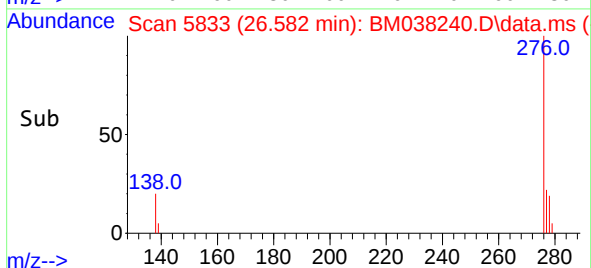
Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022

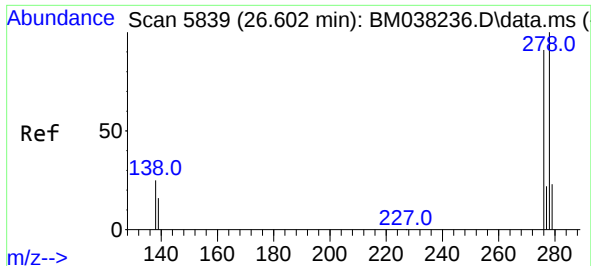


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.100 ng/ul  
RT: 26.582 min Scan# 5833  
Delta R.T. 0.000 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44



Tgt Ion:276 Resp: 5449  
Ion Ratio Lower Upper  
276 100  
138 19.2 21.7 32.5  
227 0.0 0.0 0.0





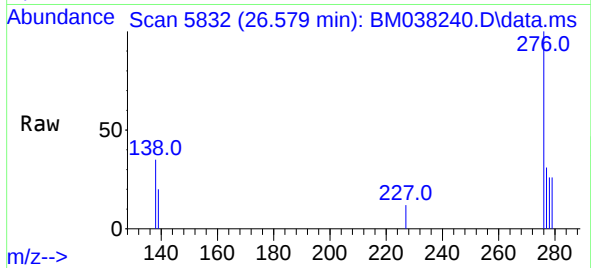
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Dibenzo(a,h)anthracene  
Concen: 0.034 ng/ul  
RT: 26.579 min Scan# 5839  
Delta R.T. -0.017 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44

Instrument :

BNA\_M

ClientSampleId :

DBXR5

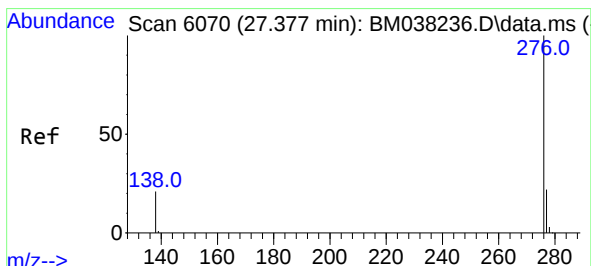
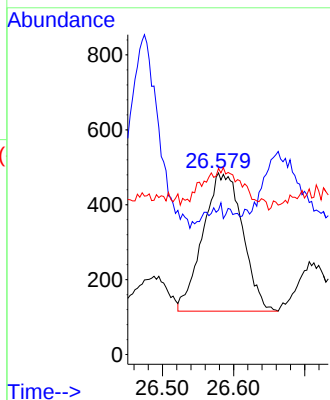
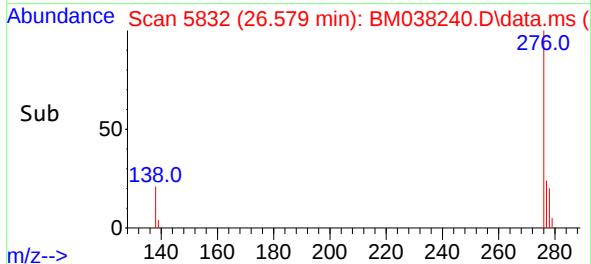


Tgt Ion:278 Resp: 1428  
Ion Ratio Lower Upper  
278 100  
139 79.6 16.8 25.2  
279 102.5 23.4 35.2

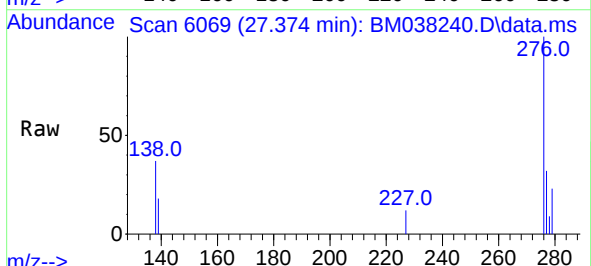
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/24/2022  
Supervised By :Yogesh Patel 12/24/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.121 ng/ul  
RT: 27.374 min Scan# 6069  
Delta R.T. 0.004 min  
Lab File: BM038240.D  
Acq: 23 Dec 2022 19:44



Tgt Ion:276 Resp: 5552  
Ion Ratio Lower Upper  
276 100  
138 36.6 20.8 31.2#  
277 31.9 20.5 30.7#

