

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
 Data File : BM039360.D  
 Acq On : 07 Apr 2023 19:19  
 Operator : CG/JU  
 Sample : 02115-03DL 5X  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB9C1DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/10/2023  
 Supervised By : Jagrut Upadhyay 04/10/2023

Quant Time: Apr 07 23:14:31 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 07 23:05:01 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.883  | 152  | 5431     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.687 | 136  | 20729    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.528 | 164  | 12231    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.279 | 188  | 23469    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.467 | 240  | 16688    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.852 | 264  | 13377    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.259  | 96   | 4242     | 0.422 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.298 | 152  | 810      | 0.034 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.307 | 212  | 2017     | 0.039 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.317 | 178  | 11748    | 0.180 | ng/ul  | 99       |
| 16) Anthracene              | 17.410 | 178  | 1931     | 0.039 | ng/ul# | 80       |
| 19) Fluoranthene            | 19.334 | 202  | 28907    | 0.418 | ng/ul  | 99       |
| 20) Pyrene                  | 19.697 | 202  | 17481    | 0.221 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.452 | 228  | 9905     | 0.257 | ng/ul  | 97       |
| 22) Chrysene                | 21.504 | 228  | 9974     | 0.211 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.130 | 252  | 13454    | 0.317 | ng/ul  | 83       |
| 25) Benzo(k)fluoranthene    | 23.168 | 252  | 5545m    | 0.137 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.743 | 252  | 2814     | 0.066 | ng/ul# | 21       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.332 | 276  | 2840     | 0.053 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.335 | 278  | 1114     | 0.030 | ng/ul# | 1        |
| -----                       |        |      |          |       |        |          |

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

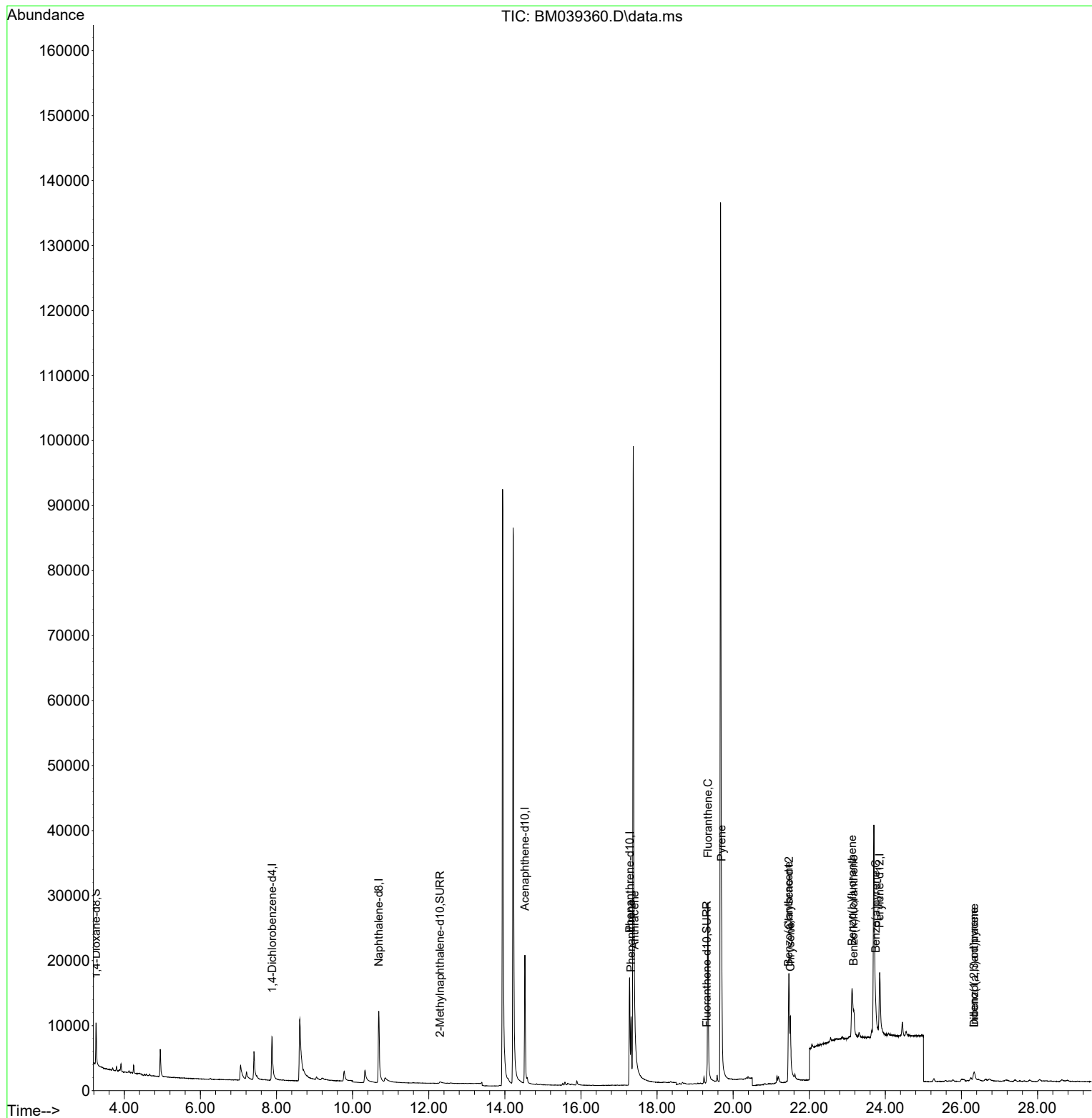
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
Data File : BM039360.D  
Acq On : 07 Apr 2023 19:19  
Operator : CG/JU  
Sample : 02115-03DL 5X  
Misc :  
ALS Vial : 55 Sample Multiplier: 1

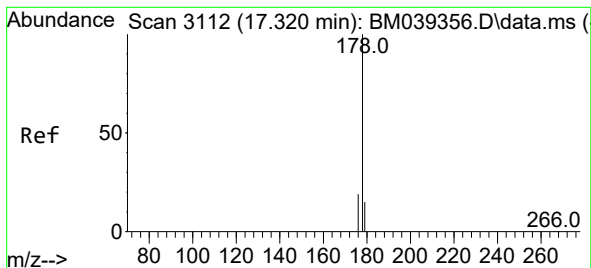
Instrument :  
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Quant Time: Apr 07 23:14:31 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 07 23:05:01 2023  
Response via : Initial Calibration





#15

Phenanthrene

Concen: 0.180 ng/ul

RT: 17.317 min Scan# 3111

Delta R.T. -0.004 min

Lab File: BM039360.D

Acq: 07 Apr 2023 19:19

Instrument :

BNA\_M

ClientSampleId :

CB9C1DL

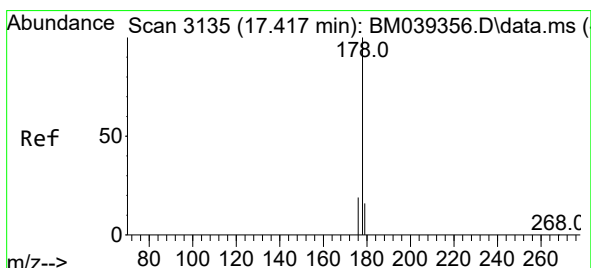
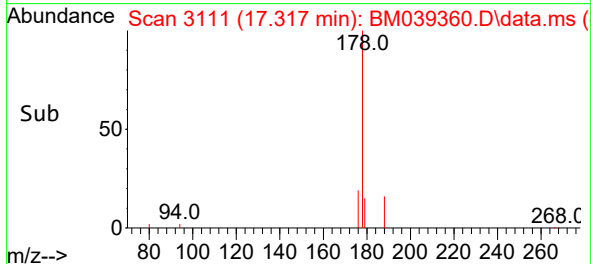
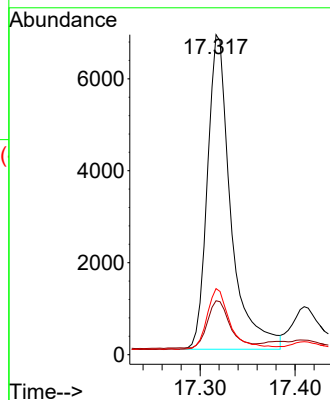
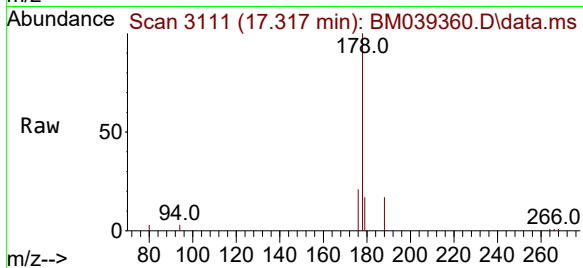
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 1174 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 16.9  | 13.4  | 20.2 |
| 176       | 20.6  | 15.8  | 23.6 |

Manual Integrations

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#16

Anthracene

Concen: 0.039 ng/ul

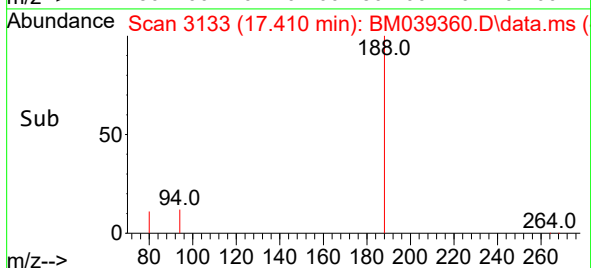
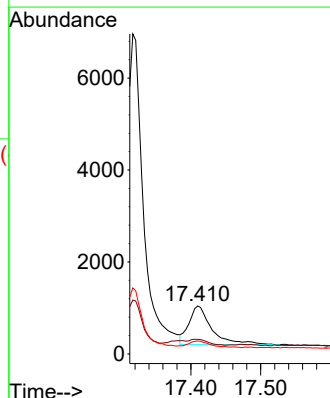
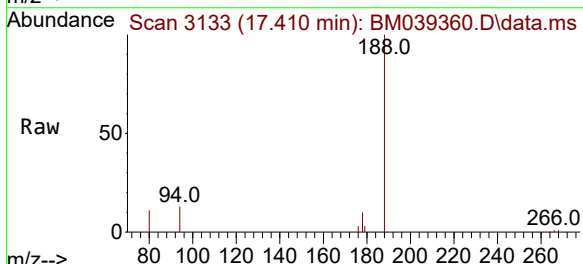
RT: 17.410 min Scan# 3133

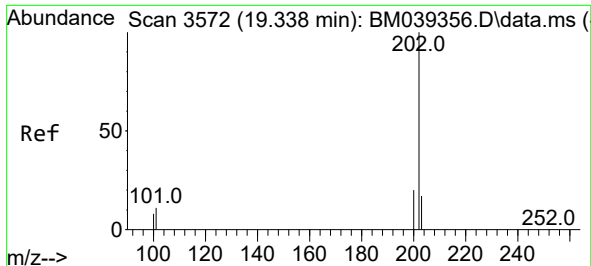
Delta R.T. -0.008 min

Lab File: BM039360.D

Acq: 07 Apr 2023 19:19

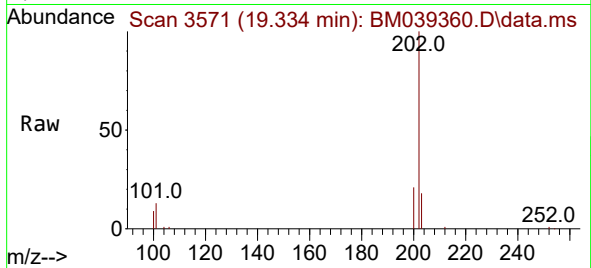
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 1931  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 30.5  | 14.6  | 21.8# |
| 176       | 26.9  | 16.6  | 24.8# |





#19  
Fluoranthene  
Concen: 0.418 ng/ul  
RT: 19.334 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19

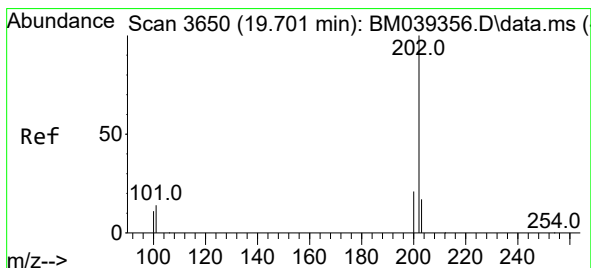
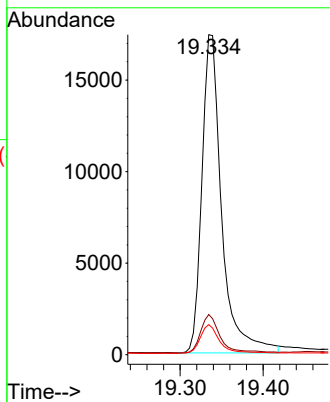
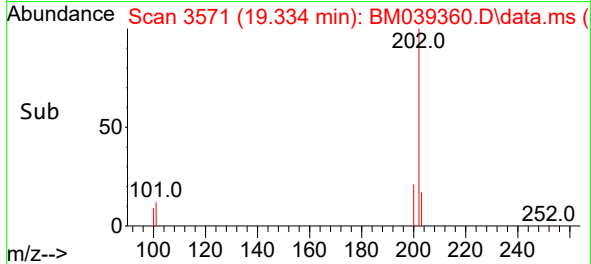
Instrument :  
BNA\_M  
ClientSampleId :  
CB9C1DL



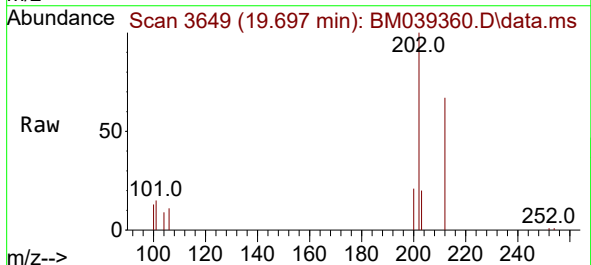
Tgt Ion:202 Resp: 2890  
Ion Ratio Lower Upper  
202 100  
101 12.6 9.7 14.5  
100 9.4 7.4 11.0

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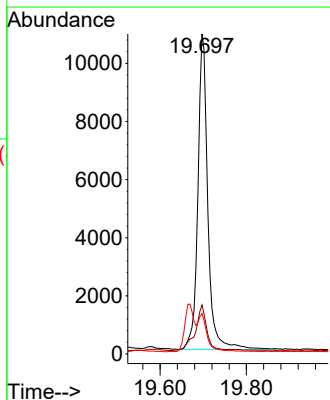
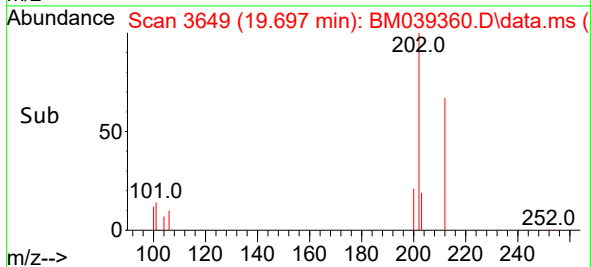
Reviewed By :Christian Giraldo 04/10/2023  
Supervised By :Jagrut Upadhyay 04/10/2023

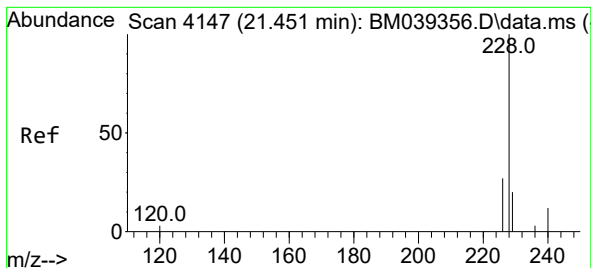


#20  
Pyrene  
Concen: 0.221 ng/ul  
RT: 19.697 min Scan# 3649  
Delta R.T. -0.004 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19



Tgt Ion:202 Resp: 17481  
Ion Ratio Lower Upper  
202 100  
101 15.3 11.1 16.7  
100 12.7 8.8 13.2





#21

Benzo(a)anthracene

Concen: 0.257 ng/ul

RT: 21.452 min Scan# 4147

Delta R.T. 0.001 min

Lab File: BM039360.D

Acq: 07 Apr 2023 19:19

Instrument :

BNA\_M

ClientSampleId :

CB9C1DL

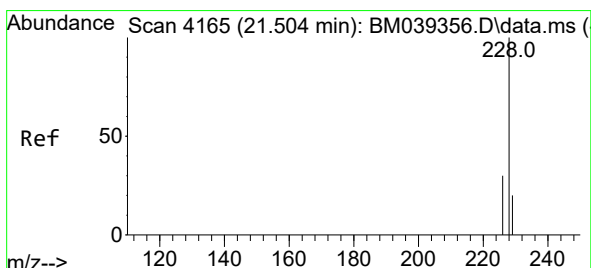
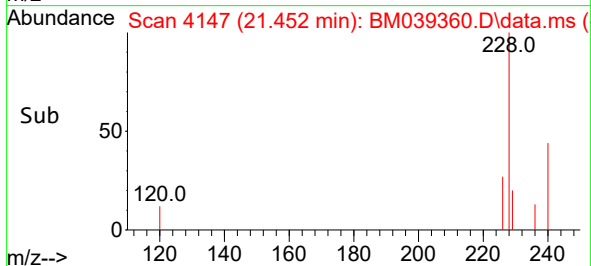
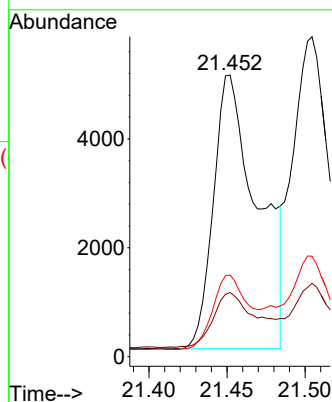
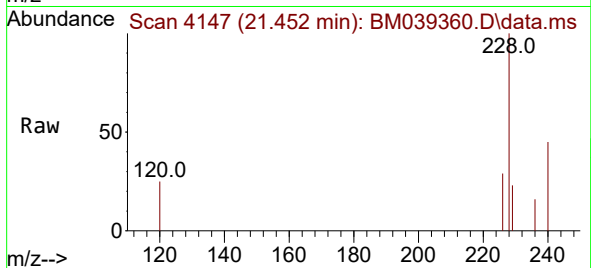
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 990       |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 22.8  | 16.6 24.8 |
| 226         | 29.0  | 22.6 34.0 |

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/10/2023



#22

Chrysene

Concen: 0.211 ng/ul

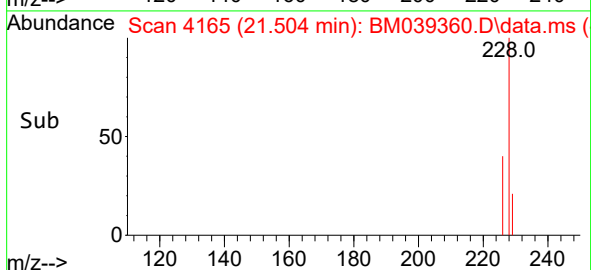
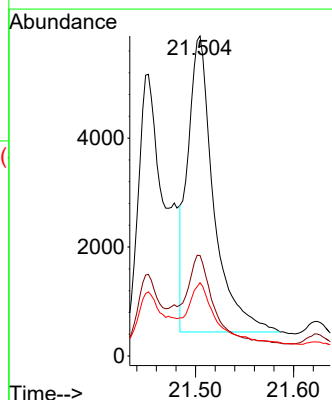
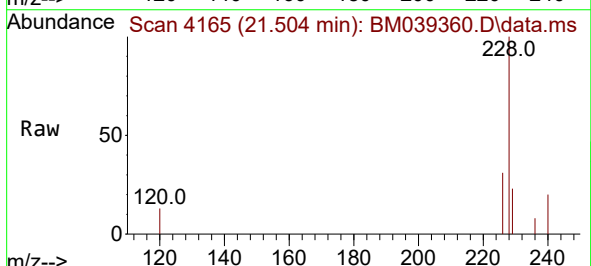
RT: 21.504 min Scan# 4165

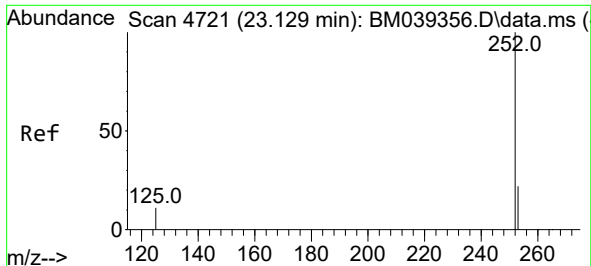
Delta R.T. 0.001 min

Lab File: BM039360.D

Acq: 07 Apr 2023 19:19

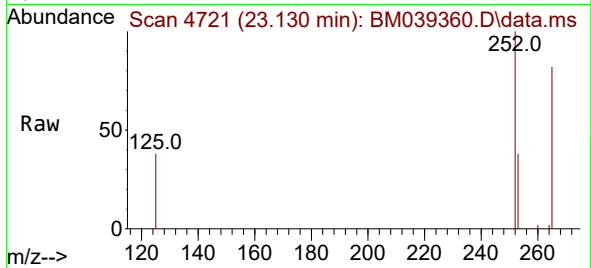
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 9974      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.4  | 24.2 36.2 |
| 229         | 22.9  | 16.2 24.4 |





#24  
Benzo(b)fluoranthene  
Concen: 0.317 ng/ul  
RT: 23.130 min Scan# 4721  
Delta R.T. 0.001 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19

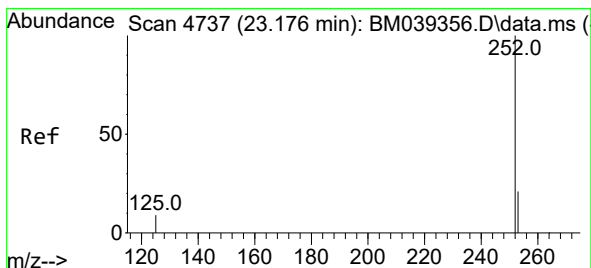
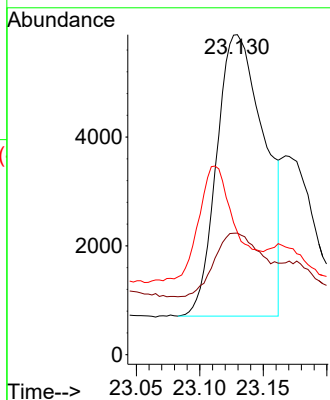
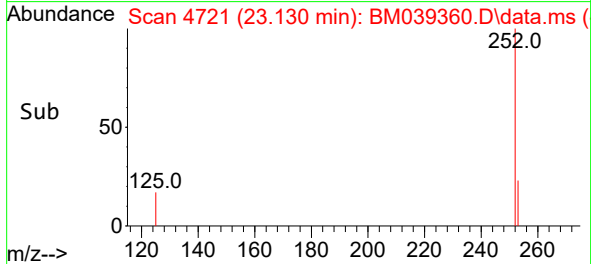
Instrument :  
BNA\_M  
ClientSampleId :  
CB9C1DL



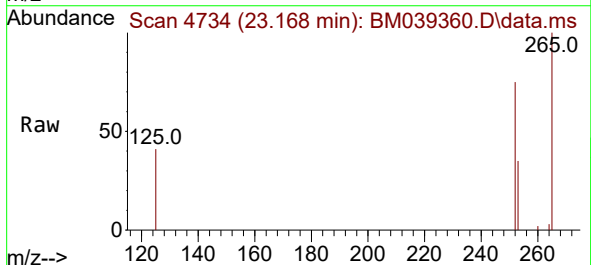
Tgt Ion:252 Resp: 13454  
Ion Ratio Lower Upper  
252 100  
253 38.0 0.0 64.4  
125 38.3 0.0 50.4

Manual Integrations  
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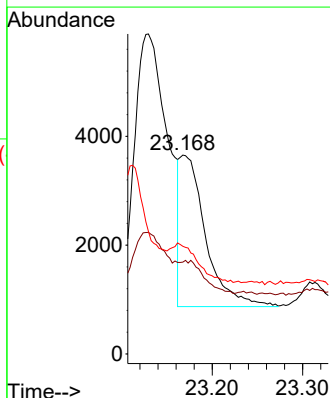
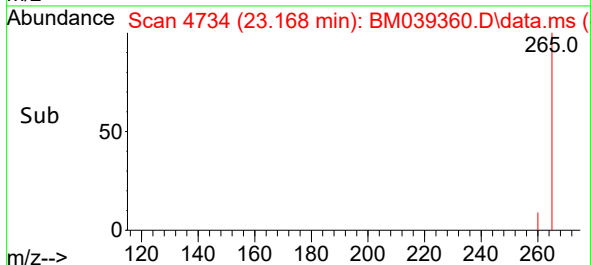
Reviewed By :Christian Giraldo 04/10/2023  
Supervised By :Jagrut Upadhyay 04/10/2023

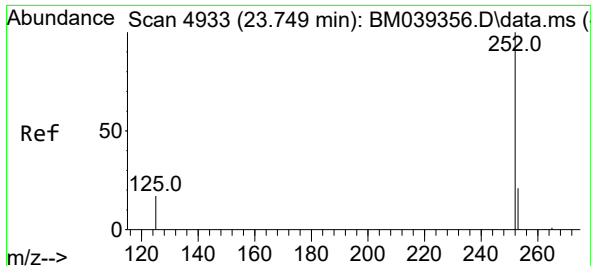


#25  
Benzo(k)fluoranthene  
Concen: 0.137 ng/ul m  
RT: 23.168 min Scan# 4734  
Delta R.T. -0.008 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19



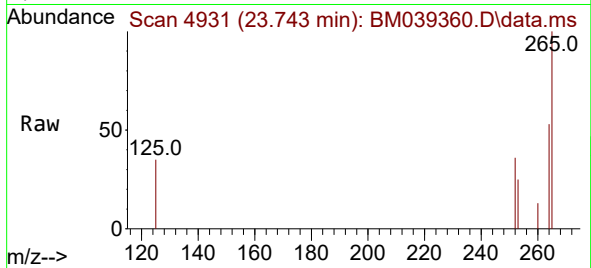
Tgt Ion:252 Resp: 5545  
Ion Ratio Lower Upper  
252 100  
253 46.2 25.5 38.3#  
125 54.1 20.4 30.6#





#26  
Benzo(a)pyrene  
Concen: 0.066 ng/ul  
RT: 23.743 min Scan# 4933  
Delta R.T. -0.005 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19

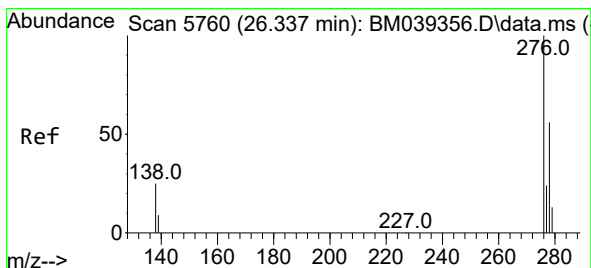
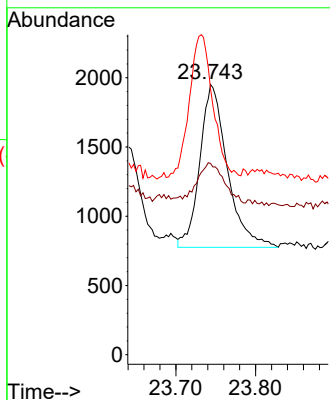
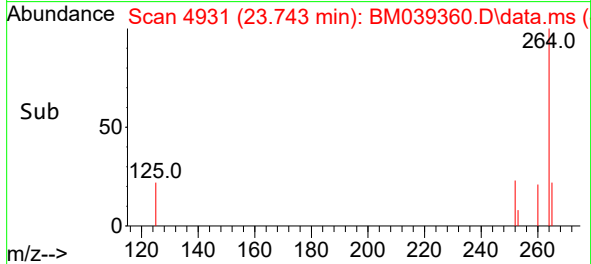
Instrument :  
BNA\_M  
ClientSampleId :  
CB9C1DL



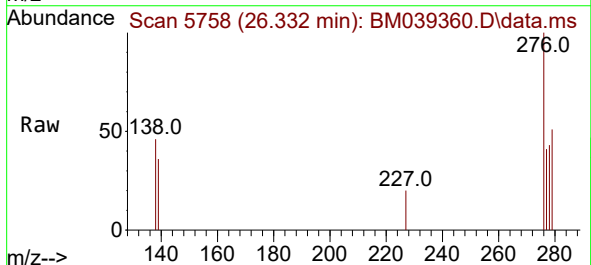
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Ion Ratio Lower Upper  
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125 98.4 28.2 42.4#

Manual Integrations  
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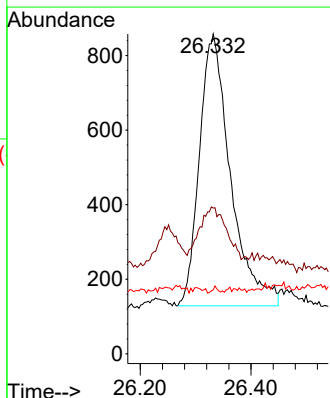
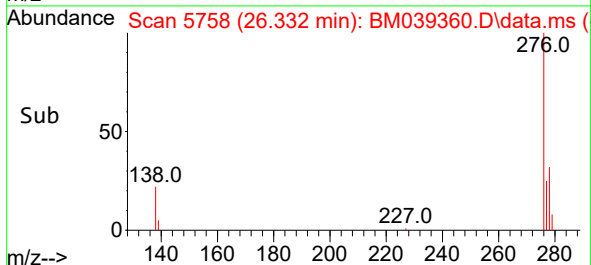
Reviewed By :Christian Giraldo 04/10/2023  
Supervised By :Jagrut Upadhyay 04/10/2023

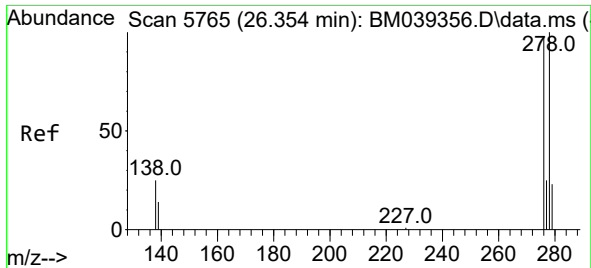


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.053 ng/ul  
RT: 26.332 min Scan# 5758  
Delta R.T. -0.006 min  
Lab File: BM039360.D  
Acq: 07 Apr 2023 19:19



Tgt Ion:276 Resp: 2840  
Ion Ratio Lower Upper  
276 100  
138 17.7 21.4 32.0#  
227 0.3 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.030 ng/ul

RT: 26.335 min Scan# 5114

Delta R.T. -0.019 min

Lab File: BM039360.D

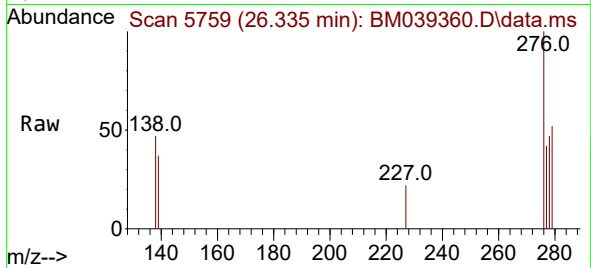
Acq: 07 Apr 2023 19:19

Instrument :

BNA\_M

ClientSampleId :

CB9C1DL



Tgt Ion:278 Resp: 1114

Ion Ratio Lower Upper

278 100

139 77.9 21.8 32.6

279 110.2 30.0 45.0

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