

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
 Data File : BM040911.D  
 Acq On : 15 Jul 2023 19:05  
 Operator : MA/JU  
 Sample : 03414-17  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46E8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/17/2023  
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 16 00:29:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 15 03:58:02 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.857  | 152  | 4080     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.658 | 136  | 12820    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.504 | 164  | 5848     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.253 | 188  | 11339    | 0.400 | ng/ul # | 0.00     |
| 17) Chrysene-d12            | 21.445 | 240  | 7785     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.822 | 264  | 10068    | 0.400 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.280  | 96   | 13353    | 2.084 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.253 | 152  | 3022     | 0.168 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.287 | 212  | 4642     | 0.186 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.708 | 128  | 6993     | 0.198 | ng/ul   | 97       |
| 7) 2-Methylnaphthalene      | 12.324 | 142  | 475      | 0.023 | ng/ul   | 97       |
| 15) Phenanthrene            | 17.295 | 178  | 3559     | 0.101 | ng/ul#  | 95       |
| 19) Fluoranthene            | 19.315 | 202  | 6094     | 0.184 | ng/ul   | 98       |
| 20) Pyrene                  | 19.678 | 202  | 6717m    | 0.189 | ng/ul   |          |
| 21) Benzo(a)anthracene      | 21.431 | 228  | 2271     | 0.086 | ng/ul#  | 88       |
| 22) Chrysene                | 21.483 | 228  | 3633     | 0.121 | ng/ul#  | 91       |
| 24) Benzo(b)fluoranthene    | 23.100 | 252  | 3981     | 0.102 | ng/ul#  | 54       |
| 25) Benzo(k)fluoranthene    | 23.143 | 252  | 1532m    | 0.040 | ng/ul   |          |
| 26) Benzo(a)pyrene          | 23.711 | 252  | 1706     | 0.049 | ng/ul#  | 13       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.280 | 276  | 1955     | 0.040 | ng/ul#  | 87       |
| -----                       |        |      |          |       |         |          |

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

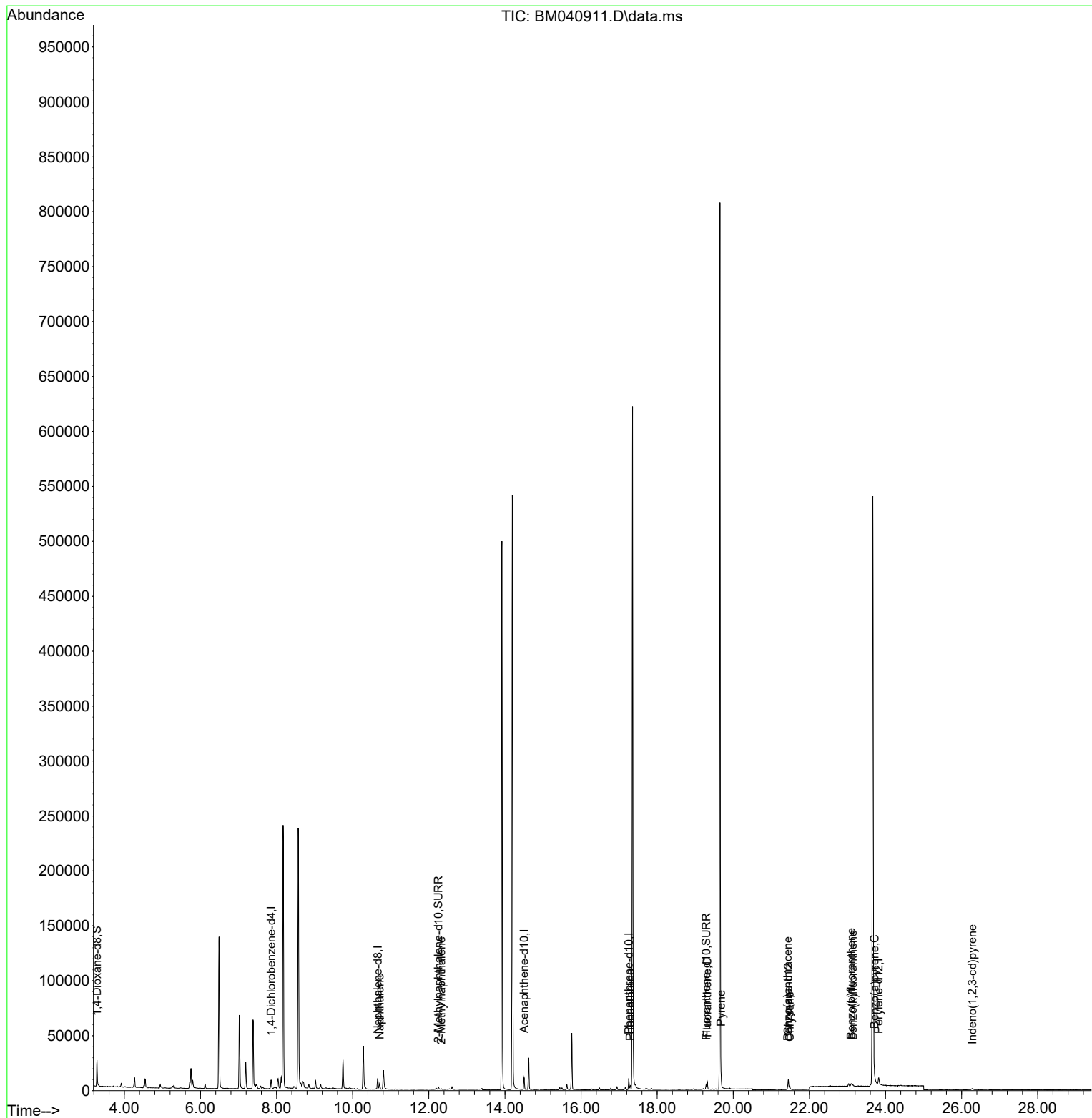
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071423\  
Data File : BM040911.D  
Acq On : 15 Jul 2023 19:05  
Operator : MA/JU  
Sample : 03414-17  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

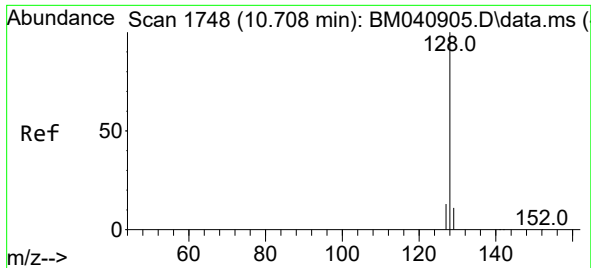
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023

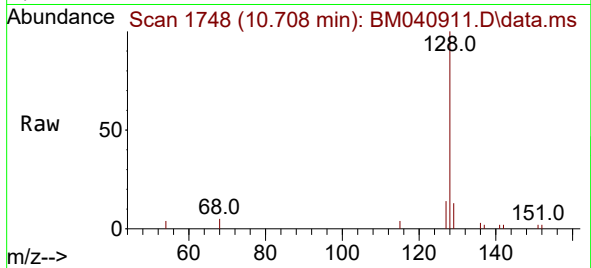
Quant Time: Jul 16 00:29:46 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 15 03:58:02 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.198 ng/ul  
RT: 10.708 min Scan# 1748  
Delta R.T. -0.005 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

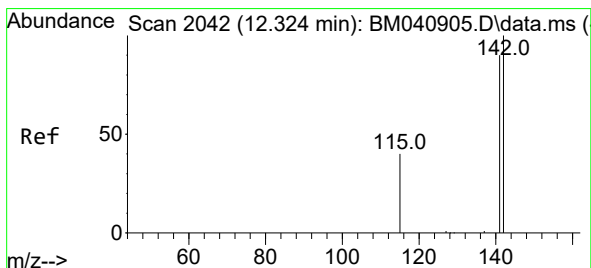
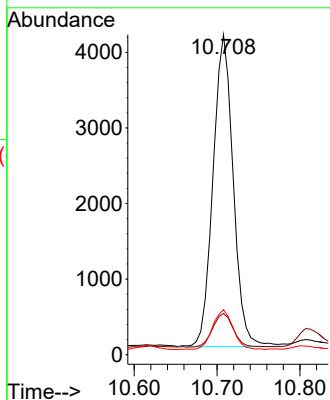
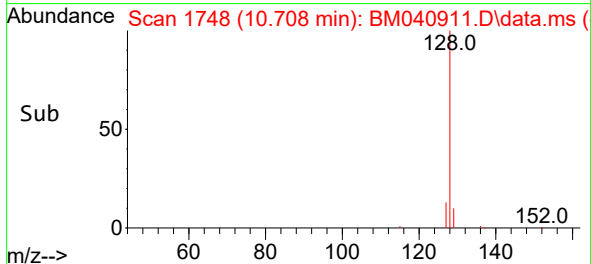
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8



Tgt Ion:128 Resp: 699  
Ion Ratio Lower Upper  
128 100  
129 12.8 9.2 13.8  
127 14.0 10.6 15.8

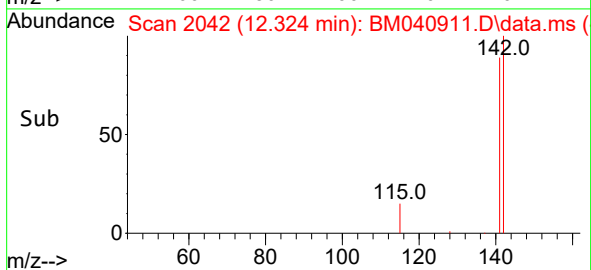
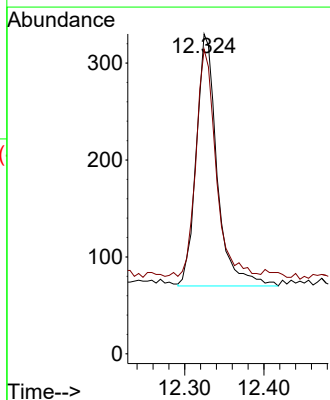
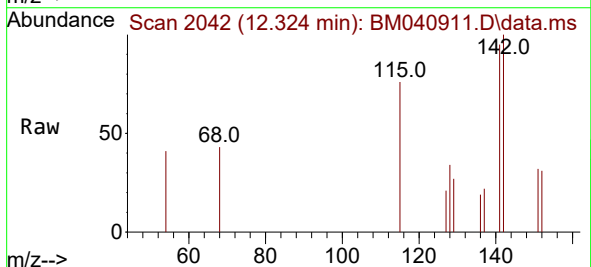
Manual Integrations  
APPROVED

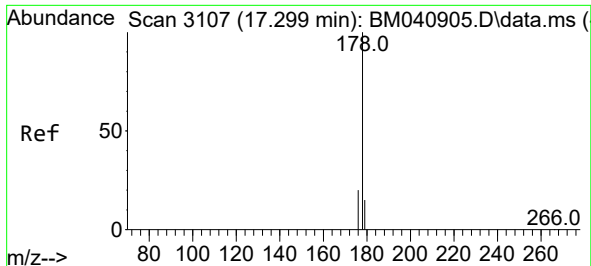
Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023



#7  
2-Methylnaphthalene  
Concen: 0.023 ng/ul  
RT: 12.324 min Scan# 2042  
Delta R.T. -0.005 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

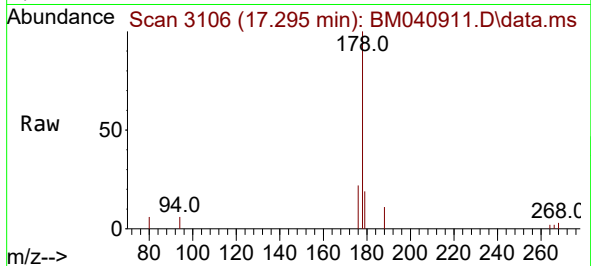
Tgt Ion:142 Resp: 475  
Ion Ratio Lower Upper  
142 100  
141 86.9 71.9 107.9





#15  
Phenanthrene  
Concen: 0.101 ng/ul  
RT: 17.295 min Scan# 3107  
Delta R.T. -0.008 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

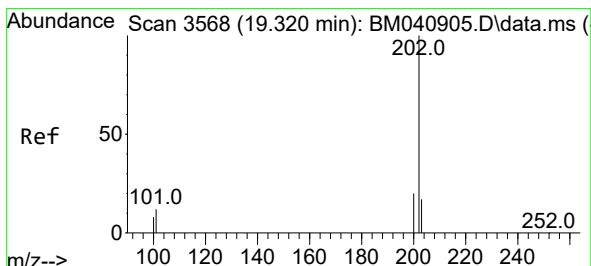
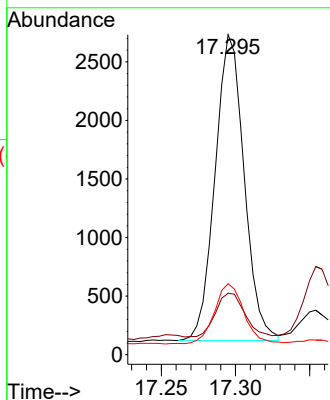
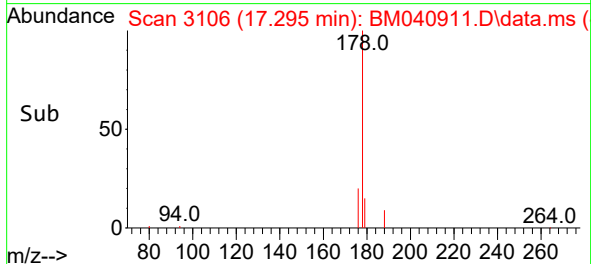
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8



Tgt Ion:178 Resp: 3559  
Ion Ratio Lower Upper  
178 100  
179 19.2 12.8 19.2  
176 22.2 16.4 24.6

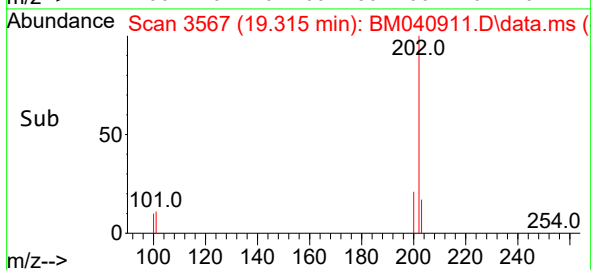
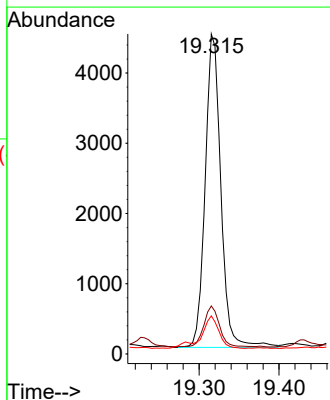
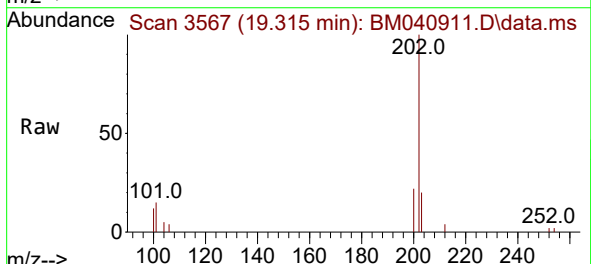
Manual Integrations  
APPROVED

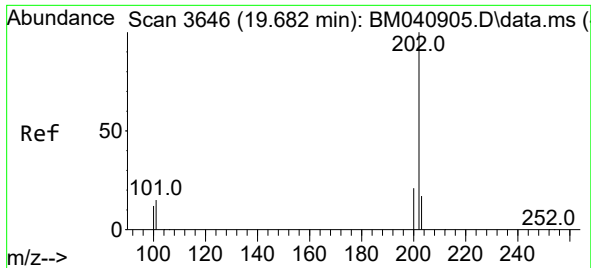
Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023



#19  
Fluoranthene  
Concen: 0.184 ng/ul  
RT: 19.315 min Scan# 3567  
Delta R.T. -0.009 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

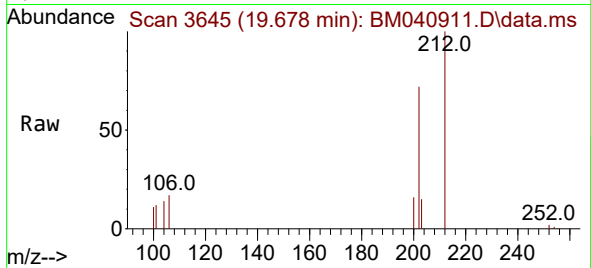
Tgt Ion:202 Resp: 6094  
Ion Ratio Lower Upper  
202 100  
101 15.0 11.4 17.0  
100 11.9 8.7 13.1





#20  
Pyrene  
Concen: 0.189 ng/ul m  
RT: 19.678 min Scan# 3645  
Delta R.T. -0.009 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

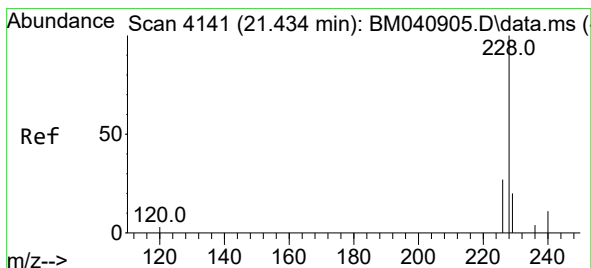
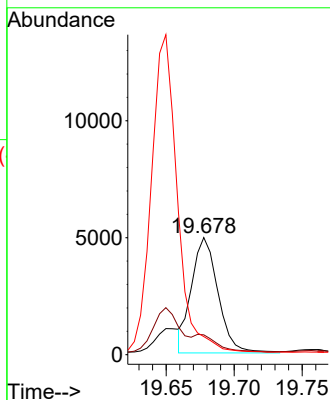
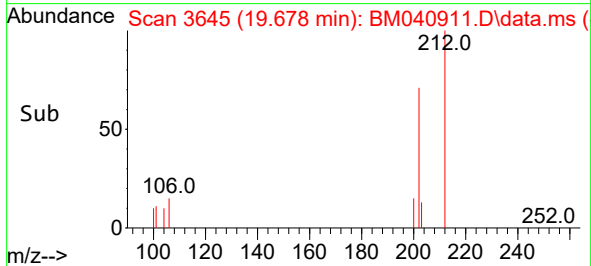
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8



Tgt Ion:202 Resp: 671  
Ion Ratio Lower Upper  
202 100  
101 17.0 12.6 18.8  
100 15.4 9.8 14.6

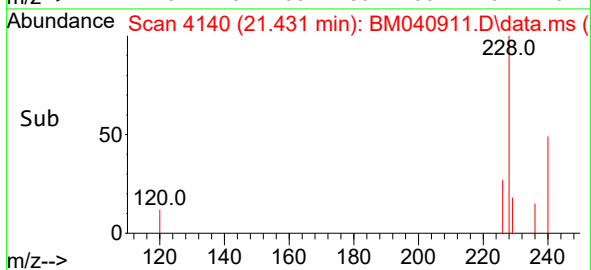
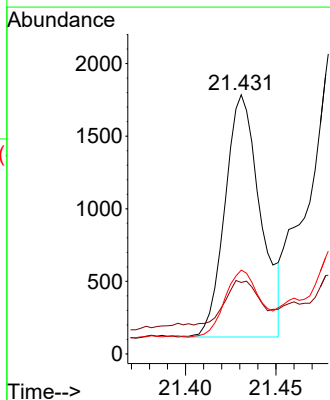
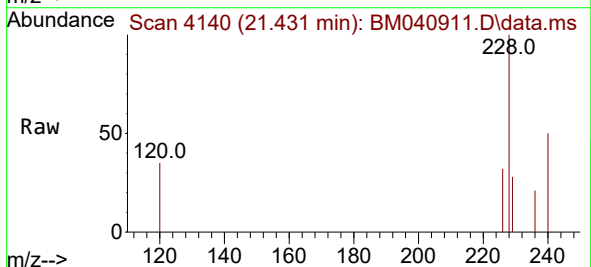
Manual Integrations  
APPROVED

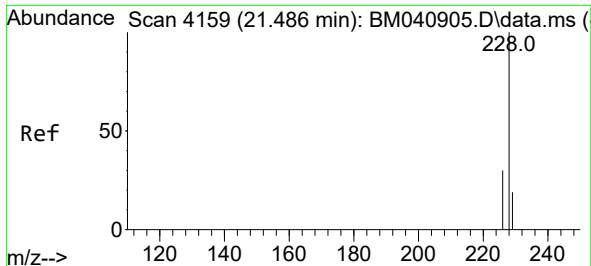
Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023



#21  
Benzo(a)anthracene  
Concen: 0.086 ng/ul  
RT: 21.431 min Scan# 4140  
Delta R.T. -0.003 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

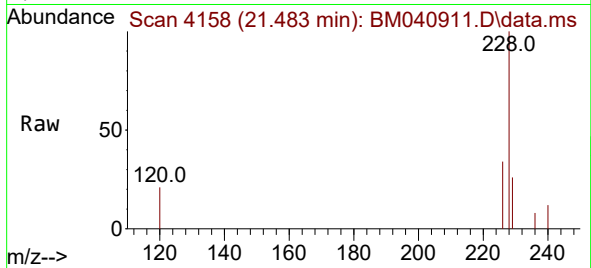
Tgt Ion:228 Resp: 2271  
Ion Ratio Lower Upper  
228 100  
229 27.6 16.0 24.0#  
226 32.4 22.3 33.5





#22  
Chrysene  
Concen: 0.121 ng/ul  
RT: 21.483 min Scan# 4158  
Delta R.T. -0.003 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

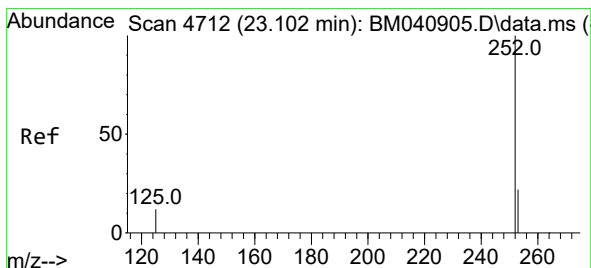
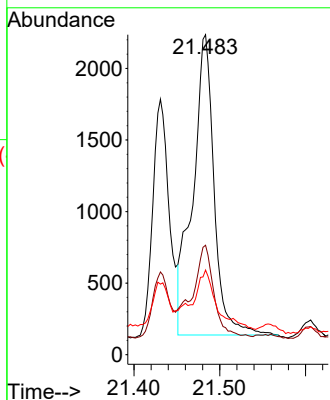
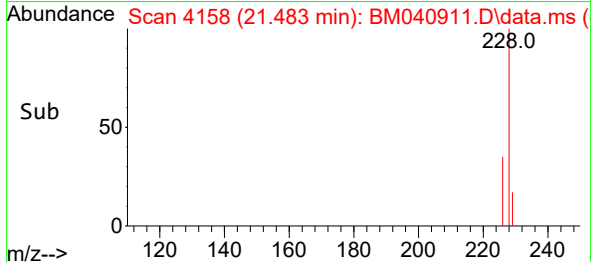
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8



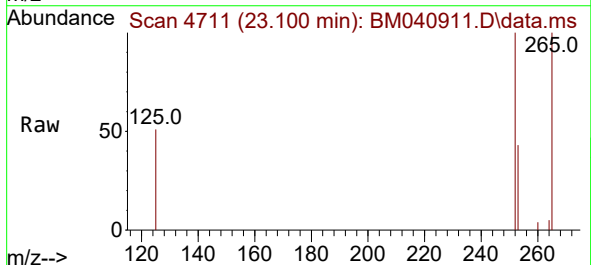
Tgt Ion:228 Resp: 363  
Ion Ratio Lower Upper  
228 100  
226 34.2 24.9 37.3  
229 26.5 15.8 23.6

Manual Integrations  
APPROVED

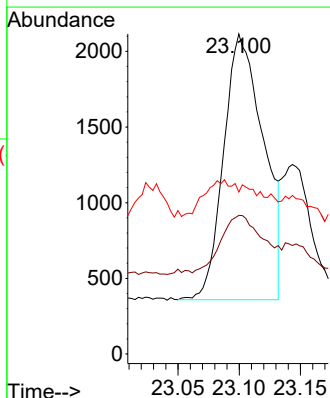
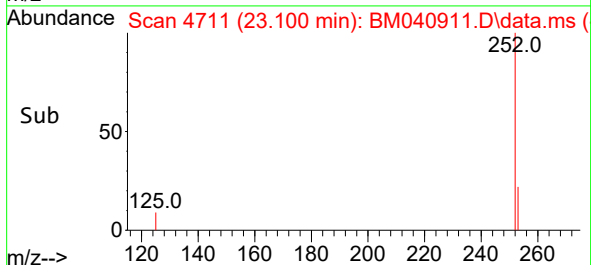
Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023

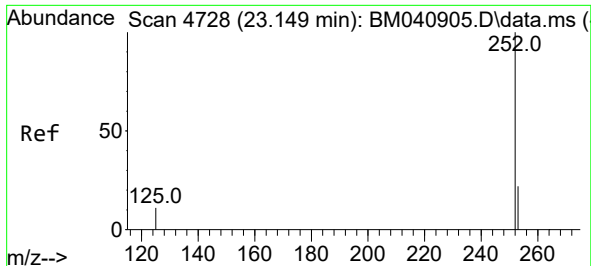


#24  
Benzo(b)fluoranthene  
Concen: 0.102 ng/ul  
RT: 23.100 min Scan# 4711  
Delta R.T. -0.003 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05



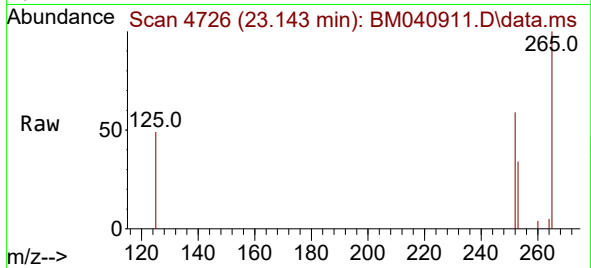
Tgt Ion:252 Resp: 3981  
Ion Ratio Lower Upper  
252 100  
253 43.3 0.0 52.8  
125 50.6 0.0 43.0





#25  
Benzo(k)fluoranthene  
Concen: 0.040 ng/ul m  
RT: 23.143 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05

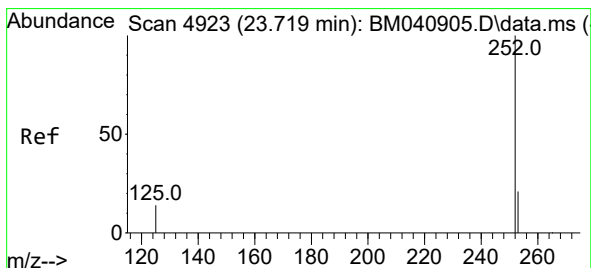
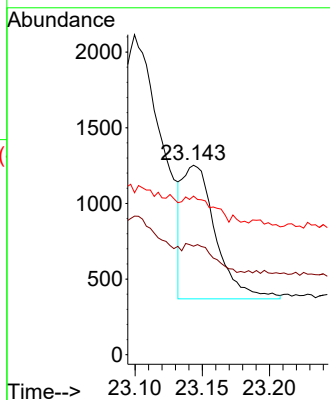
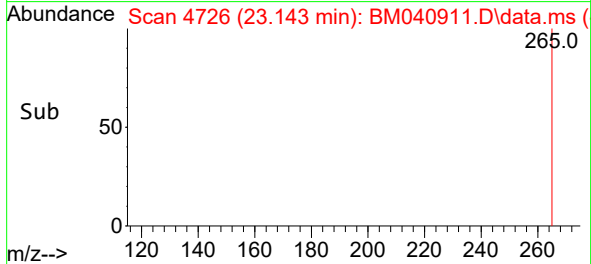
Instrument :  
BNA\_M  
ClientSampleId :  
A46E8



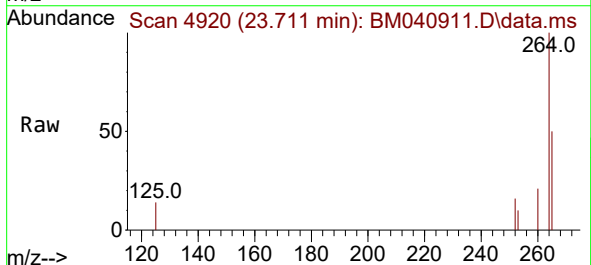
Tgt Ion:252 Resp: 153  
Ion Ratio Lower Upper  
252 100  
253 57.3 21.2 31.8  
125 83.7 16.4 24.6

Manual Integrations  
APPROVED

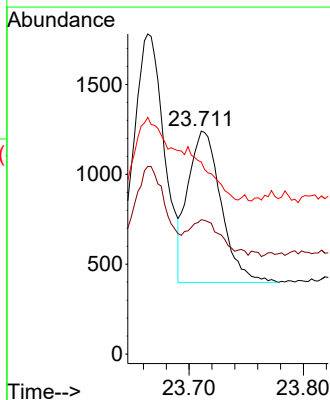
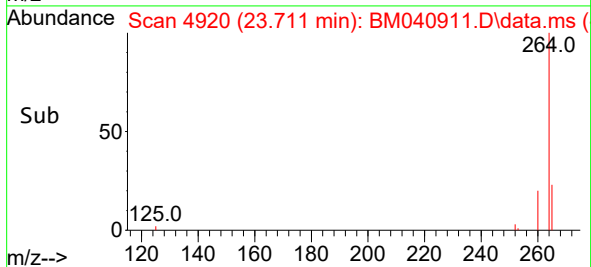
Reviewed By :Yogesh Patel 07/17/2023  
Supervised By :mohammad ahmed 07/17/2023

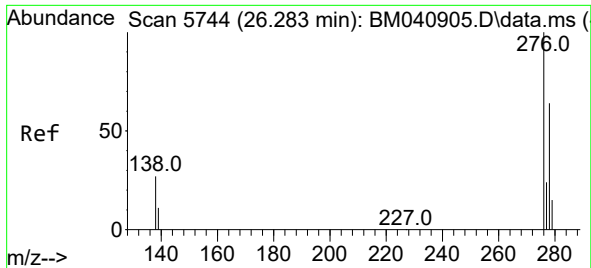


#26  
Benzo(a)pyrene  
Concen: 0.049 ng/ul  
RT: 23.711 min Scan# 4920  
Delta R.T. -0.012 min  
Lab File: BM040911.D  
Acq: 15 Jul 2023 19:05



Tgt Ion:252 Resp: 1706  
Ion Ratio Lower Upper  
252 100  
253 60.2 22.9 34.3#  
125 86.1 21.0 31.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.040 ng/ul

RT: 26.280 min Scan# 51

Delta R.T. -0.010 min

Lab File: BM040911.D

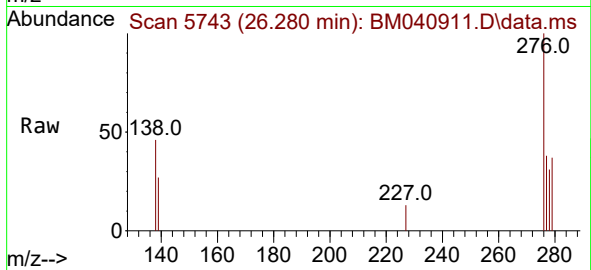
Acq: 15 Jul 2023 19:05

Instrument :

BNA\_M

ClientSampleId :

A46E8



Tgt Ion:276 Resp: 195

Ion Ratio Lower Upper

276 100

138 23.7 24.5 36.7

227 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/17/2023

Supervised By :mohammad ahmed 07/17/2023

