

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
 Data File : BM040626.D  
 Acq On : 04 Jul 2023 23:59  
 Operator : MA/JU  
 Sample : 03244-20DL 5X  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGF9DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023  
 Supervised By :mohammad ahmed 07/05/2023

Quant Time: Jul 05 02:43:19 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 : Mon Jul 03 13:40:38 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.911  | 152  | 9399     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.717 | 136  | 34555    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.558 | 164  | 16370    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.307 | 188  | 29828    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.494 | 240  | 17276    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.897 | 264  | 16445    | 0.400 | ng/ul  | #-0.02   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.312  | 96   | 2377     | 0.161 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.312 | 152  | 597      | 0.012 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.333 | 212  | 765      | 0.014 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 19) Fluoranthene            | 19.365 | 202  | 4335     | 0.059 | ng/ul# | 93       |
| 20) Pyrene                  | 19.728 | 202  | 4023     | 0.051 | ng/ul# | 83       |
| 21) Benzo(a)anthracene      | 21.477 | 228  | 2392     | 0.041 | ng/ul# | 82       |
| 22) Chrysene                | 21.529 | 228  | 2304     | 0.035 | ng/ul# | 84       |
| 24) Benzo(b)fluoranthene    | 23.166 | 252  | 4206     | 0.066 | ng/ul# | 35       |
| 25) Benzo(k)fluoranthene    | 23.204 | 252  | 1460m    | 0.023 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.789 | 252  | 2395     | 0.042 | ng/ul# | 22       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.390 | 276  | 2338     | 0.029 | ng/ul# | 89       |
| 29) Benzo(g,h,i)perylene    | 27.155 | 276  | 2359     | 0.034 | ng/ul# | 62       |
| -----                       |        |      |          |       |        |          |

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

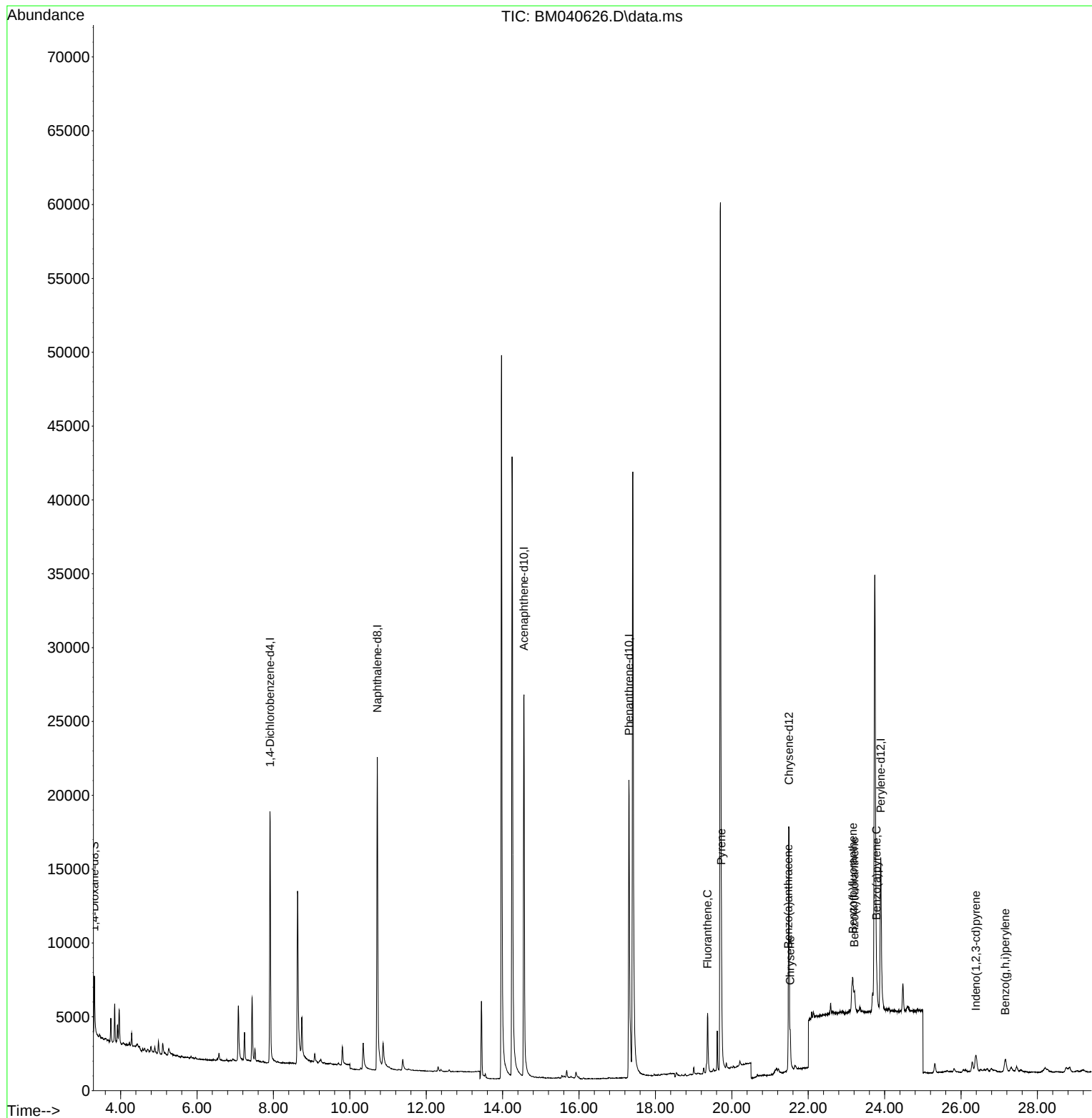
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
Data File : BM040626.D  
Acq On : 04 Jul 2023 23:59  
Operator : MA/JU  
Sample : 03244-20DL 5X  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

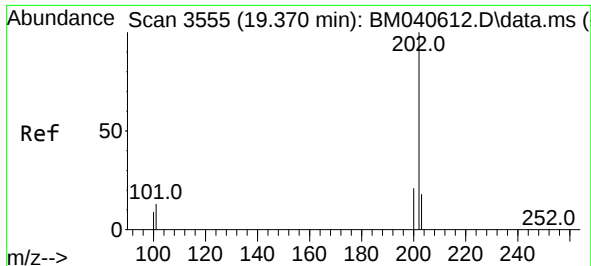
Instrument :  
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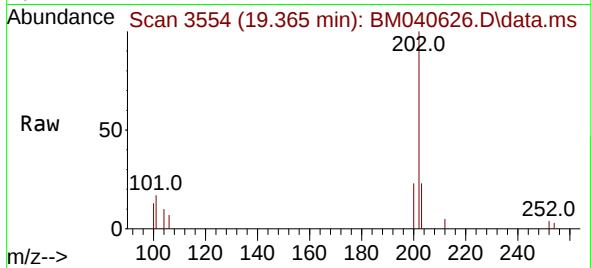
Quant Time: Jul 05 02:43:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 13:40:38 2023  
Response via : Initial Calibration





#19  
Fluoranthene  
Concen: 0.059 ng/u1  
RT: 19.365 min Scan# 3555  
Delta R.T. -0.014 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59

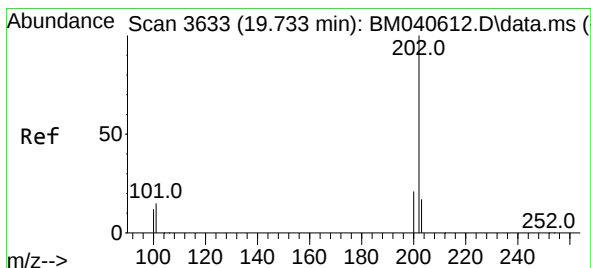
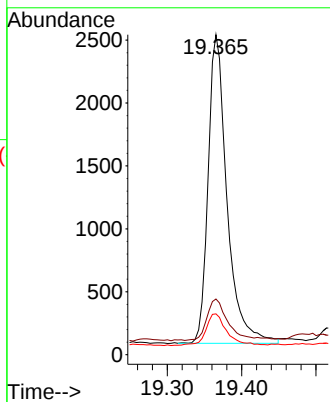
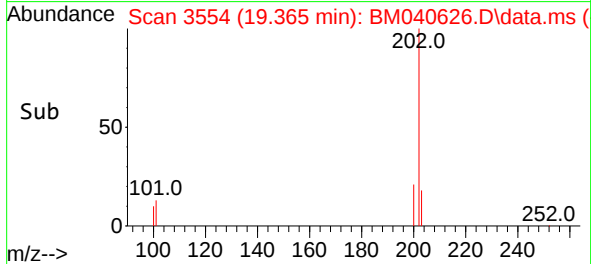
Instrument :  
BNA\_M  
ClientSampleId :  
DCGF9DL



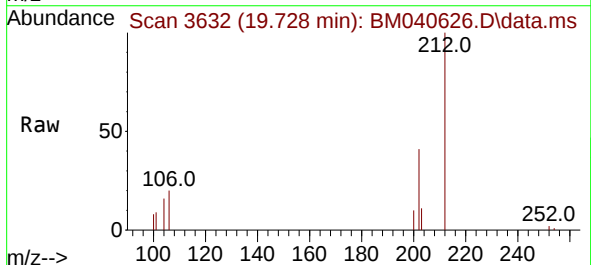
Tgt Ion:202 Resp: 4335  
Ion Ratio Lower Upper  
202 100  
101 17.4 11.4 17.0#  
100 12.8 8.7 13.1#

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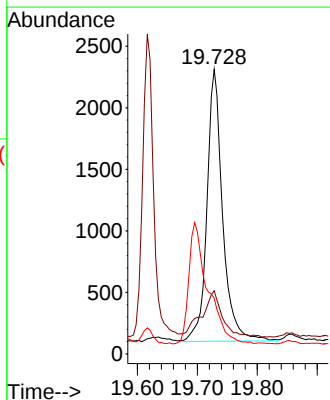
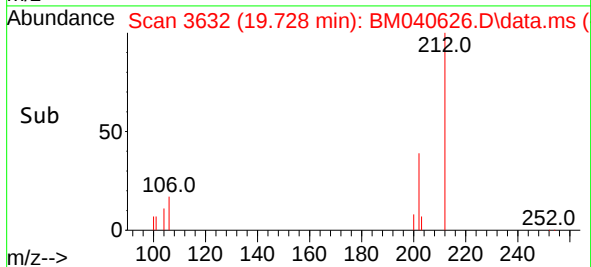
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :mohammad ahmed 07/05/2023

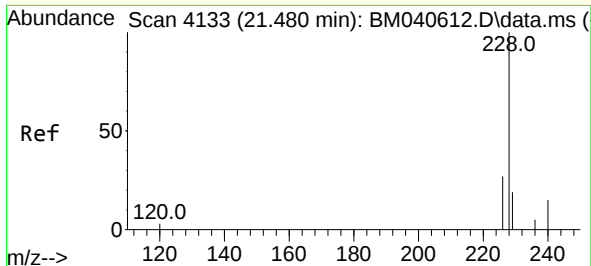


#20  
Pyrene  
Concen: 0.051 ng/u1  
RT: 19.728 min Scan# 3632  
Delta R.T. -0.014 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59



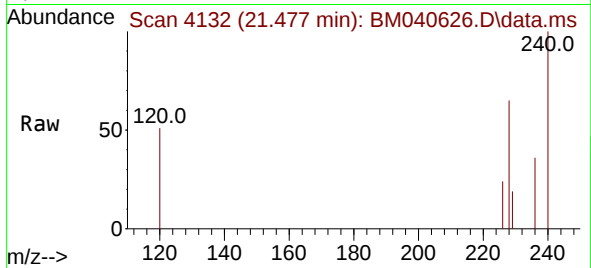
Tgt Ion:202 Resp: 4023  
Ion Ratio Lower Upper  
202 100  
101 22.2 12.6 18.8#  
100 19.6 9.8 14.6#





#21  
Benzo(a)anthracene  
Concen: 0.041 ng/u1  
RT: 21.477 min Scan# 4132  
Delta R.T. -0.012 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59

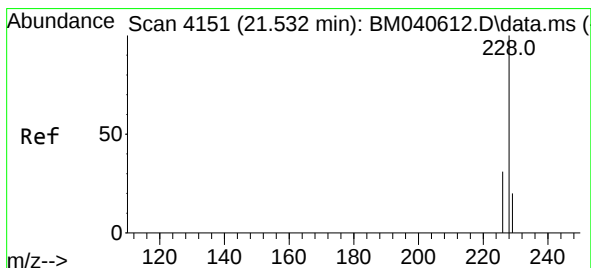
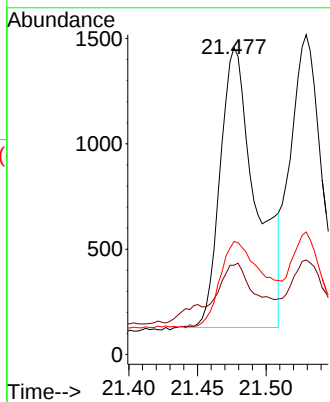
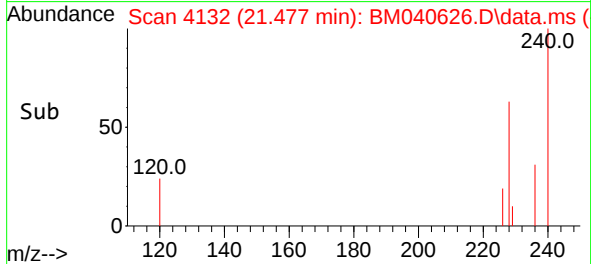
Instrument :  
BNA\_M  
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Tgt Ion:228 Resp: 2392  
Ion Ratio Lower Upper  
228 100  
229 29.1 16.0 24.0#  
226 36.8 22.3 33.5#

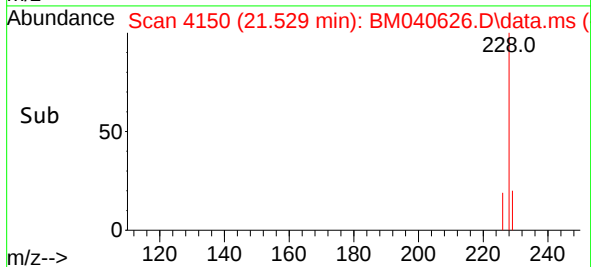
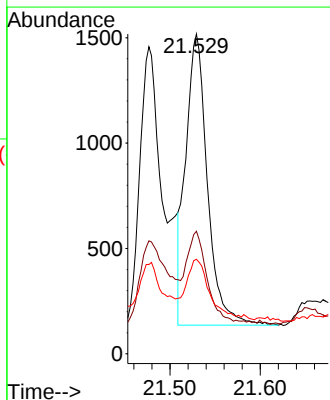
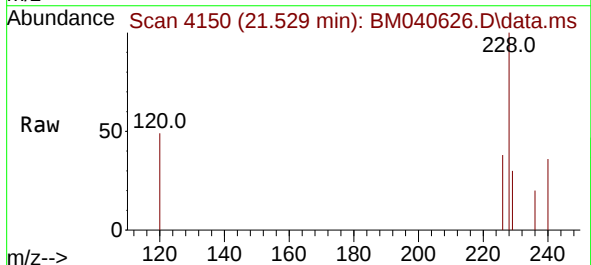
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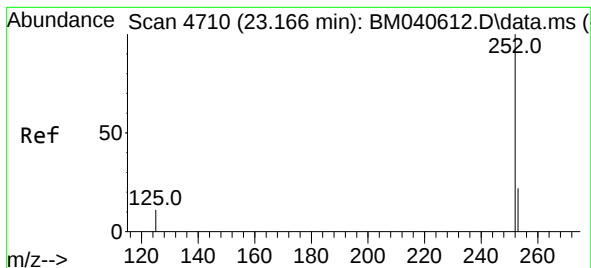
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :mohammad ahmed 07/05/2023



#22  
Chrysene  
Concen: 0.035 ng/u1  
RT: 21.529 min Scan# 4150  
Delta R.T. -0.012 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59

Tgt Ion:228 Resp: 2304  
Ion Ratio Lower Upper  
228 100  
226 38.3 24.9 37.3#  
229 29.6 15.8 23.6#





#24

Benzo(b)fluoranthene

Concen: 0.066 ng/ul

RT: 23.166 min Scan# 4710

Delta R.T. -0.015 min

Lab File: BM040626.D

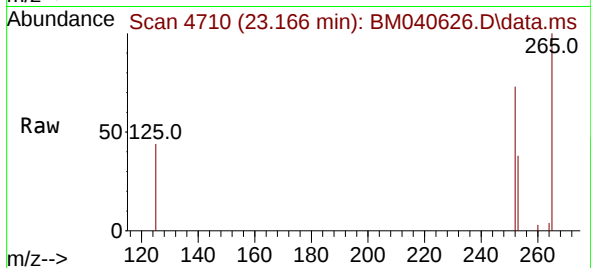
Acq: 04 Jul 2023 23:59

Instrument :

BNA\_M

ClientSampleId :

DCGF9DL



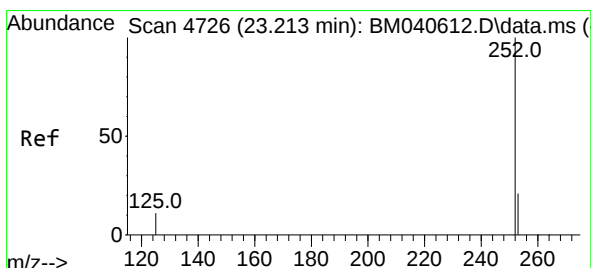
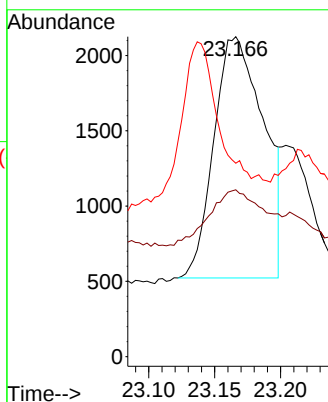
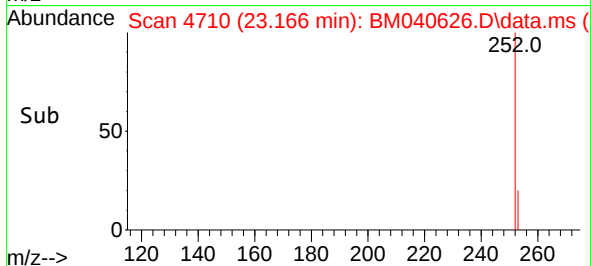
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 4200     |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 52.1  | 0.0 52.8 |
| 125         | 60.4  | 0.0 43.0 |

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2023



#25

Benzo(k)fluoranthene

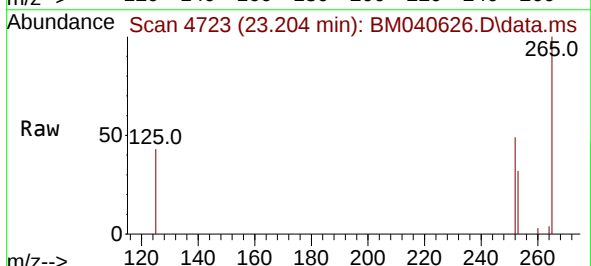
Concen: 0.023 ng/ul m

RT: 23.204 min Scan# 4723

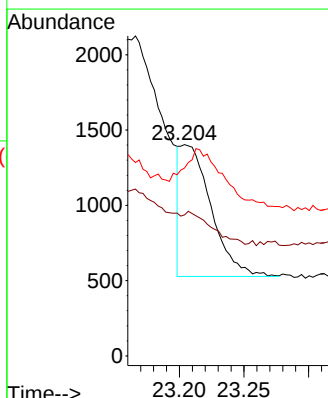
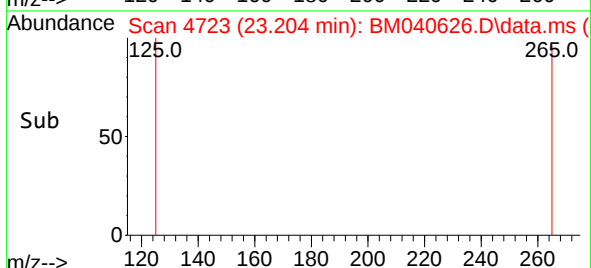
Delta R.T. -0.021 min

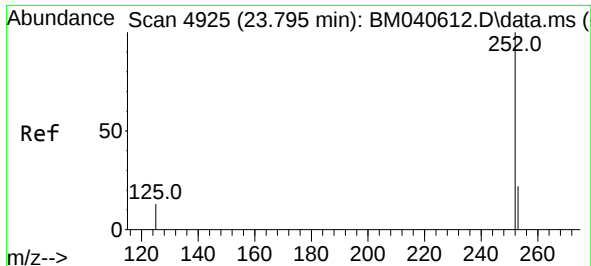
Lab File: BM040626.D

Acq: 04 Jul 2023 23:59



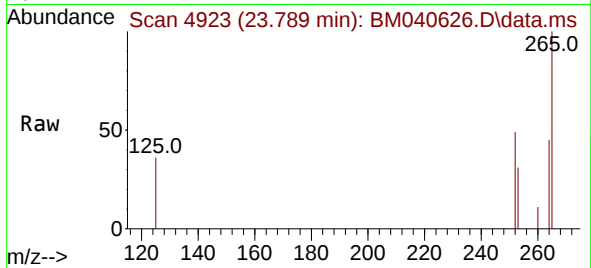
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 1460       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 66.8  | 21.2 31.8# |
| 125         | 89.0  | 16.4 24.6# |





#26  
Benzo(a)pyrene  
Concen: 0.042 ng/ul  
RT: 23.789 min Scan# 4925  
Delta R.T. -0.015 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59

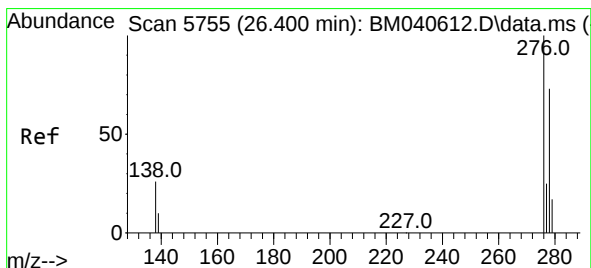
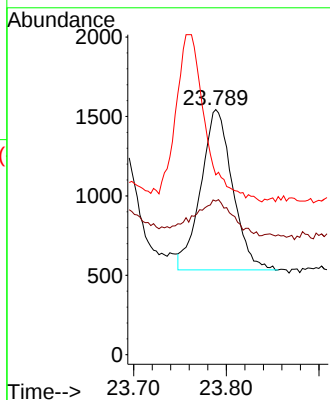
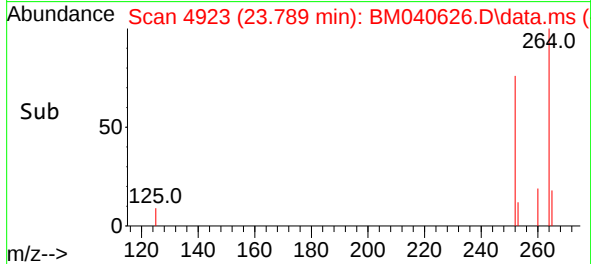
Instrument :  
BNA\_M  
ClientSampleId :  
DCGF9DL



Tgt Ion:252 Resp: 2395  
Ion Ratio Lower Upper  
252 100  
253 62.6 22.9 34.3#  
125 73.4 21.0 31.4#

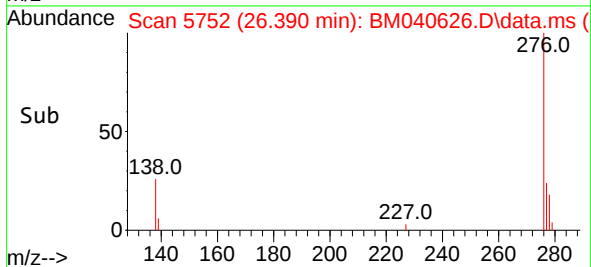
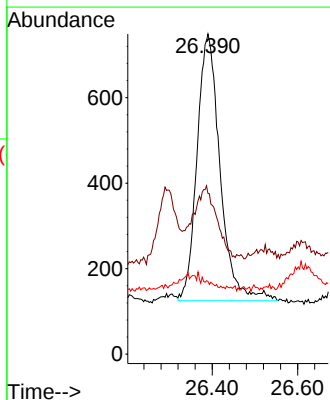
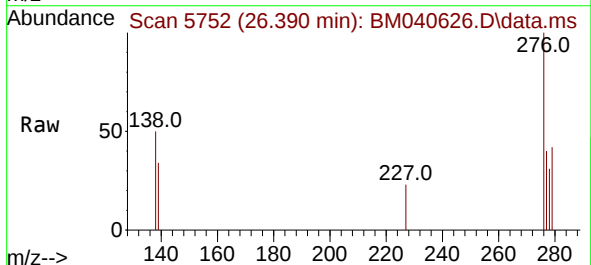
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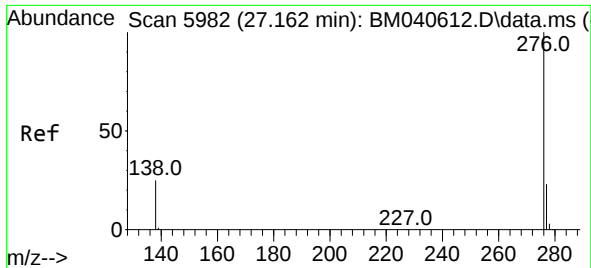
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :mohammad ahmed 07/05/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.029 ng/ul  
RT: 26.390 min Scan# 5752  
Delta R.T. -0.027 min  
Lab File: BM040626.D  
Acq: 04 Jul 2023 23:59

Tgt Ion:276 Resp: 2338  
Ion Ratio Lower Upper  
276 100  
138 24.5 24.5 36.7#  
227 0.0 0.1 0.1#





#29

Benzo(g,h,i)perylene

Concen: 0.034 ng/ul

RT: 27.155 min Scan# 5980

Delta R.T. -0.027 min

Lab File: BM040626.D

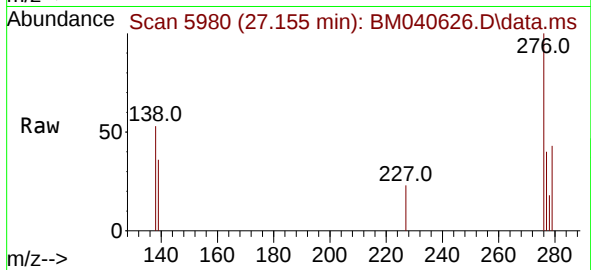
Acq: 04 Jul 2023 23:59

Instrument :

BNA\_M

ClientSampleId :

DCGF9DL



Tgt Ion:276 Resp: 235

Ion Ratio Lower Upper

276 100

138 53.0 23.0 34.6

277 40.5 20.3 30.5

Manual Integrations

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