

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057996.D  
 Acq On : 4 Jul 2023 21:05  
 Operator : CG/JU  
 Sample : 03248-01  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCGM9

Manual Integrations  
 APPROVED

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

Quant Time: Jul 05 01:59:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 04 05:09:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.942  | 152  | 53204    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.744 | 136  | 247702   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.575 | 164  | 165850   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.319 | 188  | 356814   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.573 | 240  | 293393   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.740 | 264  | 348360   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.376  | 96   | 5506m    | 3.624  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 20862    | 4.523  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.107  | 99   | 109765   | 20.202 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.266  | 67   | 78766    | 24.055 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.477  | 132  | 89663    | 23.926 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.647  | 113  | 46217    | 11.273 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.105  | 128  | 49850    | 24.692 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.822  | 143  | 55997    | 26.391 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.368 | 165  | 95524    | 23.468 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.879 | 131  | 33643    | 5.452  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.976 | 166  | 326923   | 24.983 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.269 | 160  | 382280   | 26.771 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 31902    | 13.799 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.568 | 176  | 292952   | 26.361 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.685 | 200  | 33243    | 17.158 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.413 | 188  | 372304   | 22.486 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 501085   | 27.118 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.522 | 264  | 487676   | 27.478 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 80) Fluoranthene              | 19.369 | 202  | 57164    | 2.670  | ng/u1  | 99       |
| 82) Pyrene                    | 19.734 | 202  | 59293    | 2.751  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.549 | 228  | 50195    | 2.383  | ng/u1  | 98       |
| 87) Chrysene                  | 21.620 | 228  | 54824    | 2.776  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.735 | 252  | 112096   | 5.197  | ng/u1# | 97       |
| 91) Benzo(k)fluoranthene      | 23.794 | 252  | 28944m   | 1.369  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.593 | 252  | 48999    | 2.567  | ng/u1# | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.365 | 276  | 40559m   | 1.600  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 29.481 | 276  | 31145m   | 1.504  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

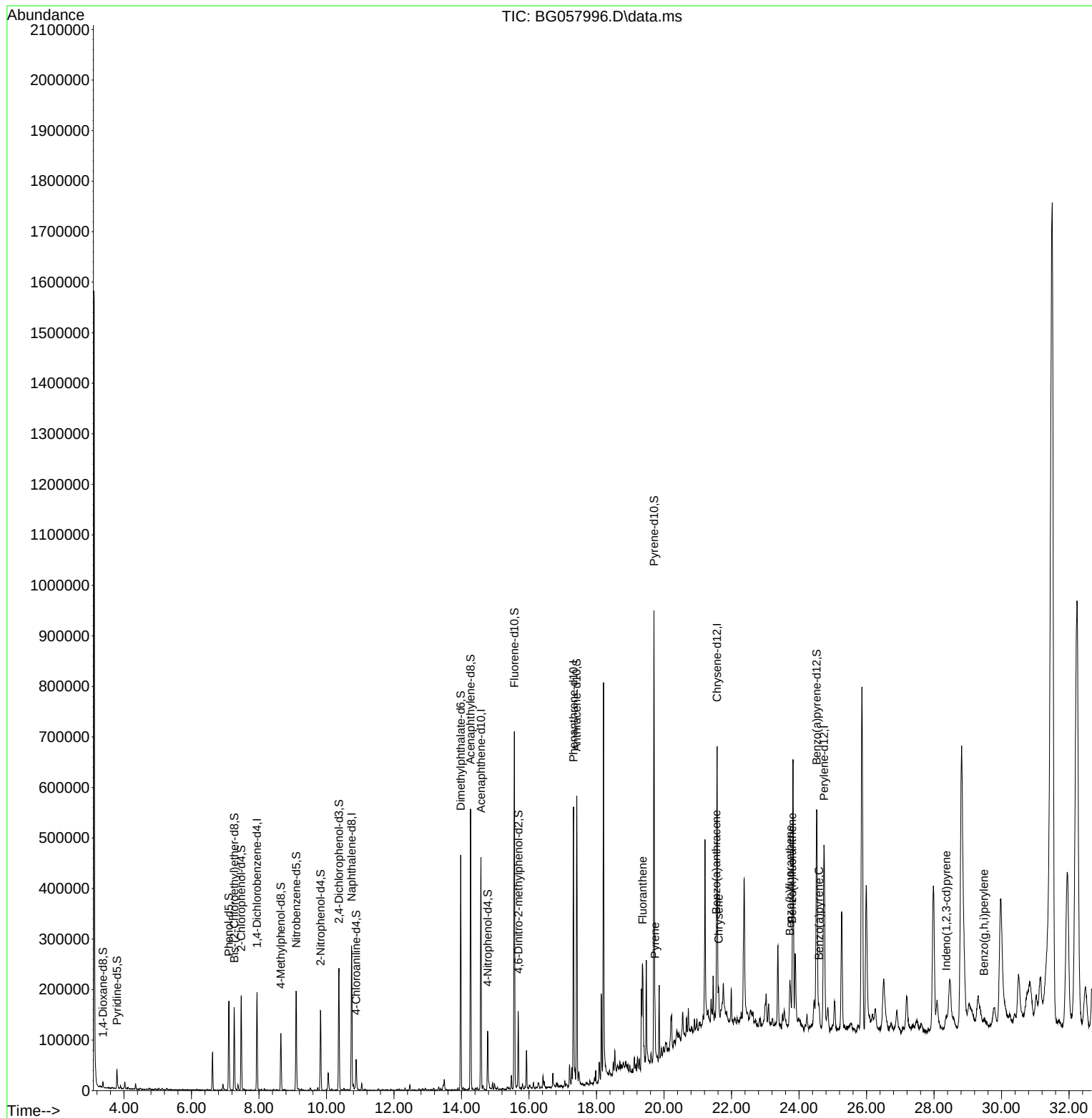
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
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Sample : 03248-01  
Misc :  
ALS Vial : 54 Sample Multiplier: 1

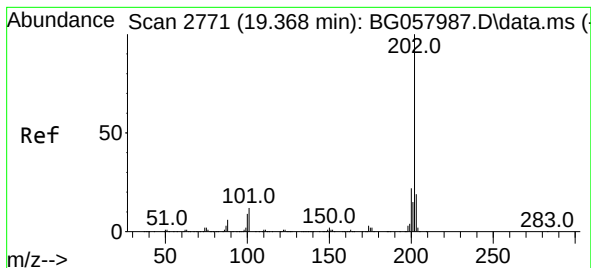
Instrument :  
BNA\_G  
ClientSampleId :  
DCGM9

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 04 05:09:13 2023  
Response via : Initial Calibration





#80

Fluoranthene

Concen: 2.670 ng/uI

RT: 19.369 min Scan# 2771

Delta R.T. 0.001 min

Lab File: BG057996.D

Acq: 4 Jul 2023 21:05

Instrument :

BNA\_G

ClientSampleId :

DCGM9

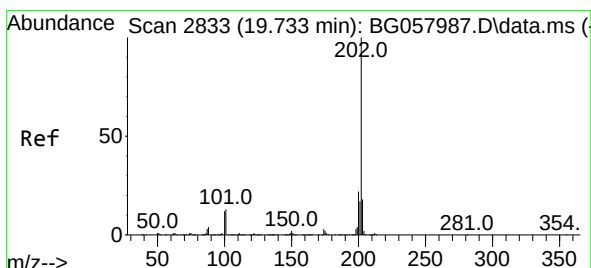
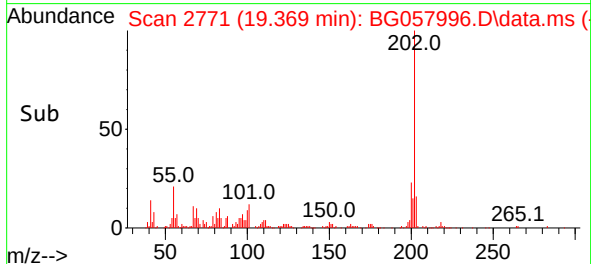
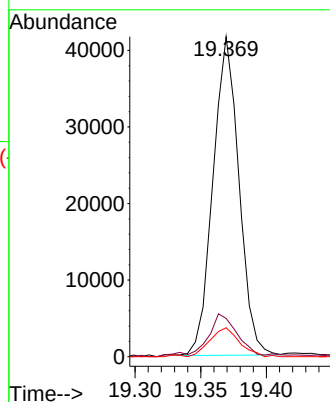
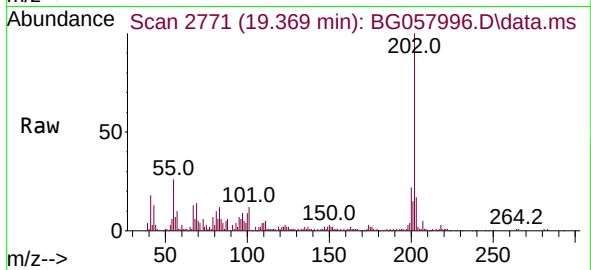
Tgt Ion:202 Resp: 57164  
 Ion Ratio Lower Upper  
 202 100  
 101 11.9 9.1 13.7  
 100 9.0 7.1 10.7

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2023



#82

Pyrene

Concen: 2.751 ng/uI

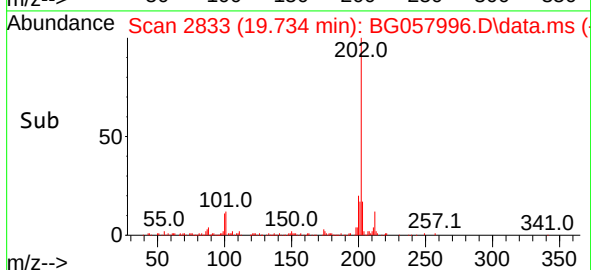
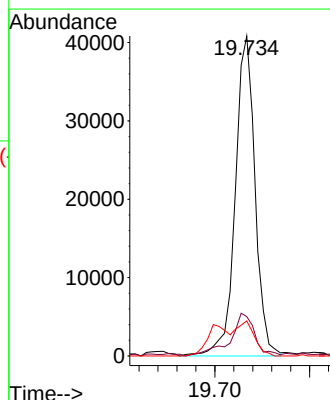
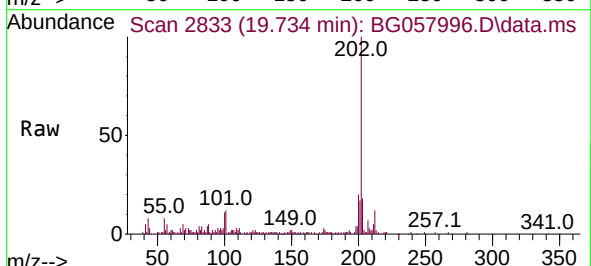
RT: 19.734 min Scan# 2833

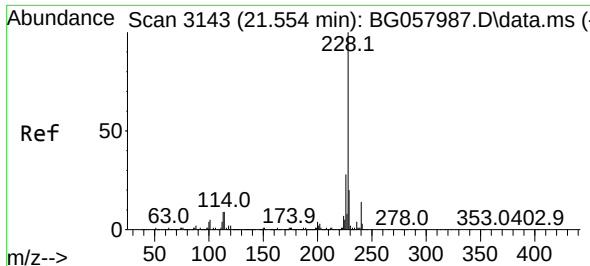
Delta R.T. 0.001 min

Lab File: BG057996.D

Acq: 4 Jul 2023 21:05

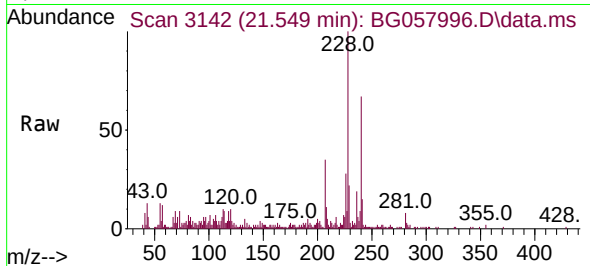
Tgt Ion:202 Resp: 59293  
 Ion Ratio Lower Upper  
 202 100  
 101 12.3 10.2 15.2  
 100 10.9 8.9 13.3





#85  
Benzo(a)anthracene  
Concen: 2.383 ng/uI  
RT: 21.549 min Scan# 3143  
Delta R.T. 0.001 min  
Lab File: BG057996.D  
Acq: 4 Jul 2023 21:05

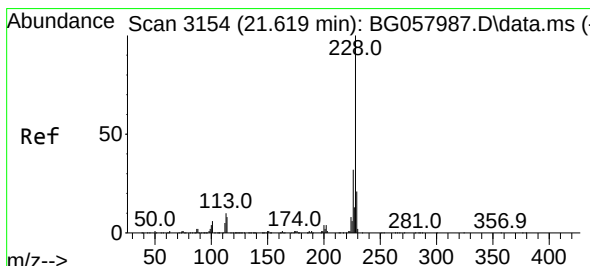
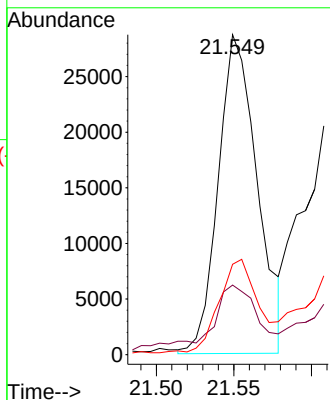
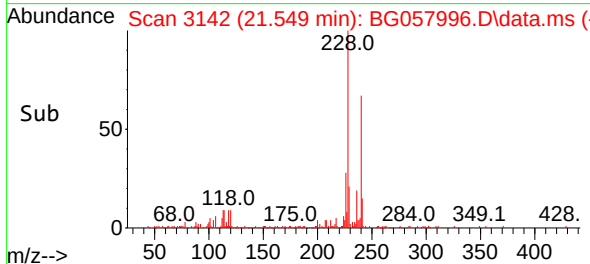
Instrument :  
BNA\_G  
ClientSampleId :  
DCGM9



Tgt Ion:228 Resp: 5019  
Ion Ratio Lower Upper  
228 100  
229 21.7 16.0 24.0  
226 28.3 22.0 33.0

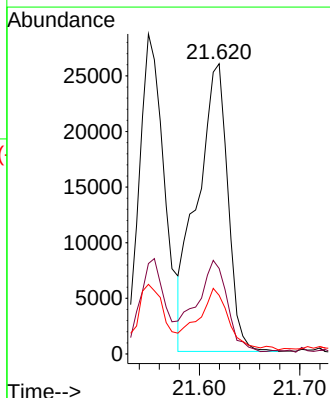
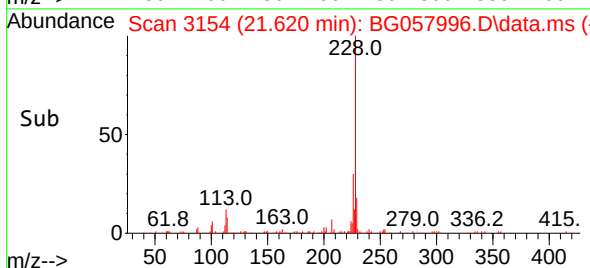
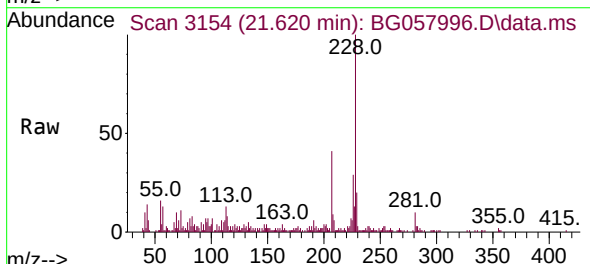
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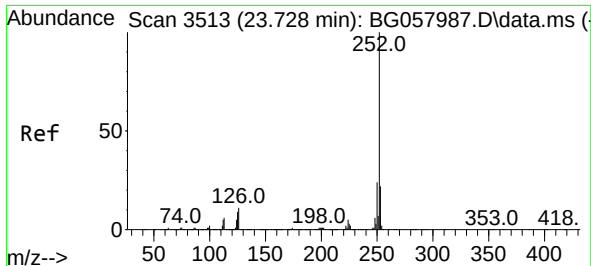
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :mohammad ahmed 07/05/2023



#87  
Chrysene  
Concen: 2.776 ng/uI  
RT: 21.620 min Scan# 3154  
Delta R.T. 0.007 min  
Lab File: BG057996.D  
Acq: 4 Jul 2023 21:05

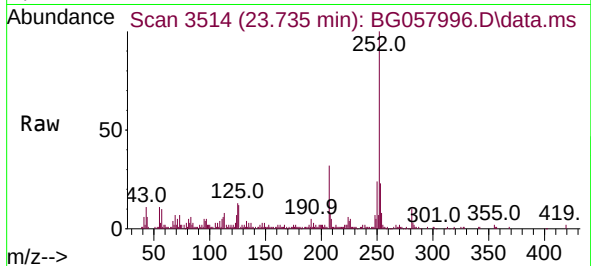
Tgt Ion:228 Resp: 54824  
Ion Ratio Lower Upper  
228 100  
226 29.4 24.4 36.6  
229 20.2 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 5.197 ng/ul  
RT: 23.735 min Scan# 3513  
Delta R.T. 0.007 min  
Lab File: BG057996.D  
Acq: 4 Jul 2023 21:05

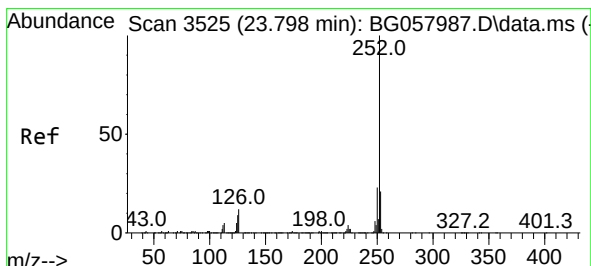
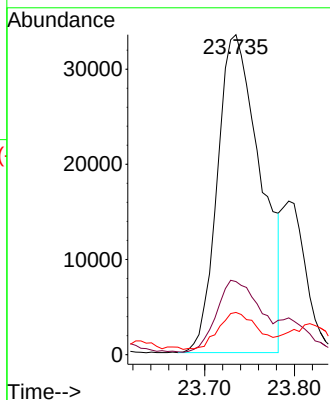
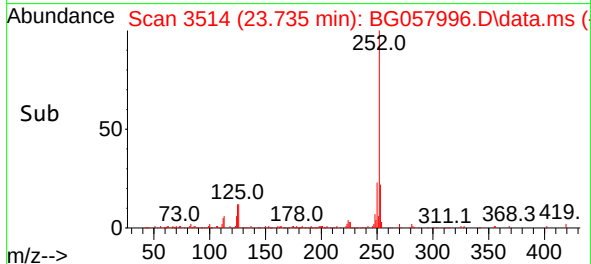
Instrument :  
BNA\_G  
ClientSampleId :  
DCGM9



Tgt Ion:252 Resp: 112090  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.1 27.1  
125 13.2 7.5 11.3

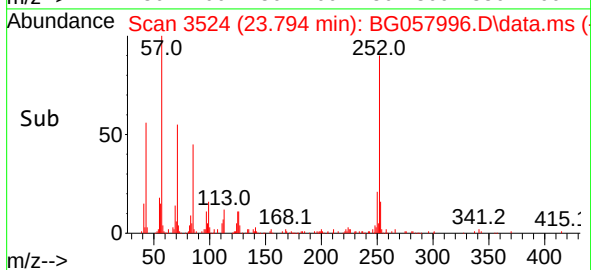
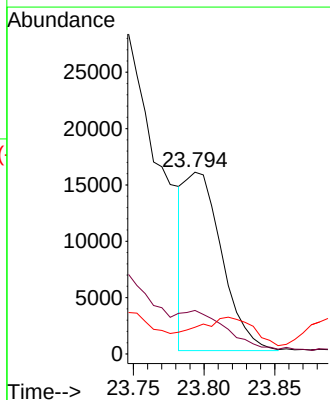
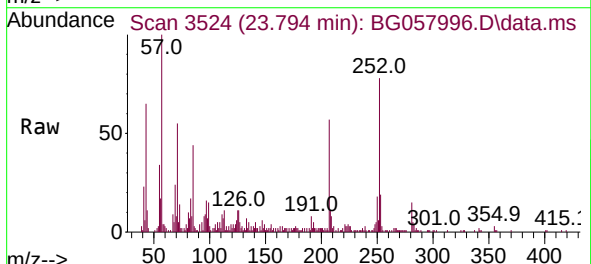
Manual Integrations  
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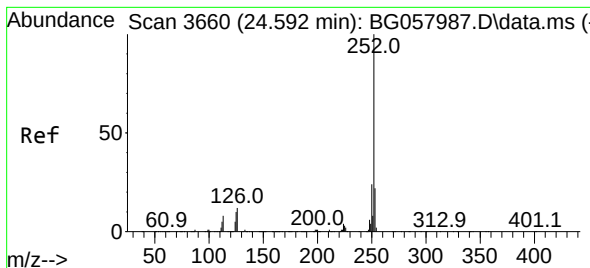
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :mohammad ahmed 07/05/2023



#91  
Benzo(k)fluoranthene  
Concen: 1.369 ng/ul m  
RT: 23.794 min Scan# 3524  
Delta R.T. 0.001 min  
Lab File: BG057996.D  
Acq: 4 Jul 2023 21:05

Tgt Ion:252 Resp: 28944  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.7 26.5  
125 14.7 7.4 11.2





#93

Benzo(a)pyrene

Concen: 2.567 ng/ul

RT: 24.593 min Scan# 30

Delta R.T. 0.007 min

Lab File: BG057996.D

Acq: 4 Jul 2023 21:05

Instrument :

BNA\_G

ClientSampleId :

DCGM9

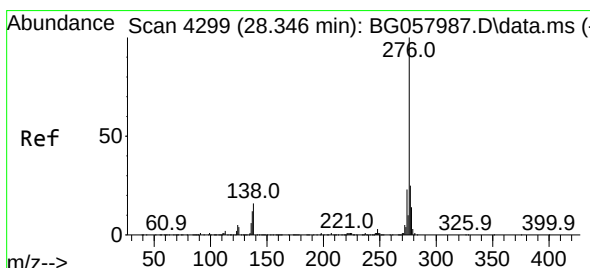
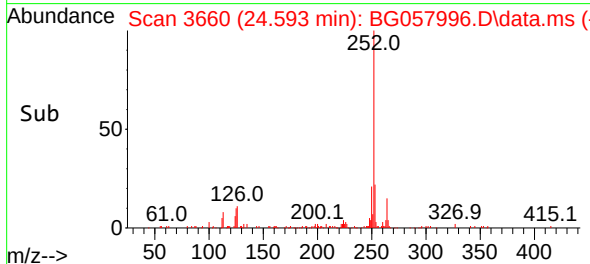
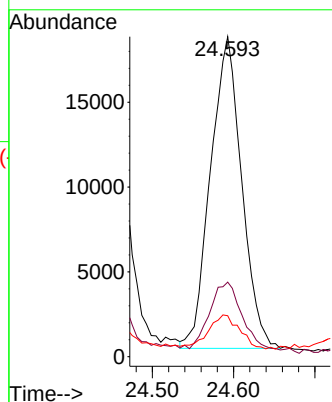
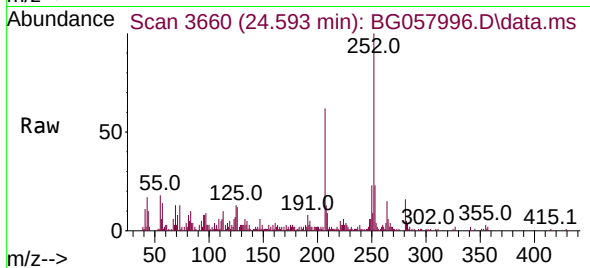
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 4899 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 23.3  | 17.8  | 26.6 |
| 125       | 12.8  | 8.3   | 12.5 |

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.600 ng/ul m

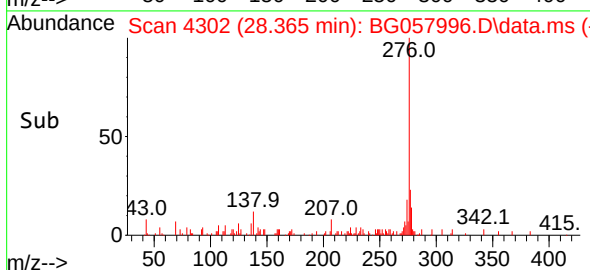
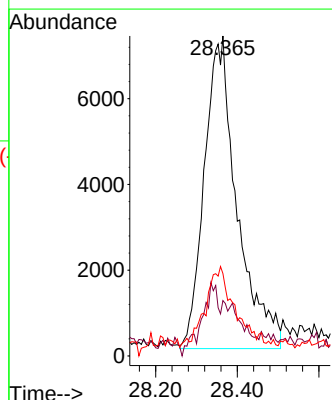
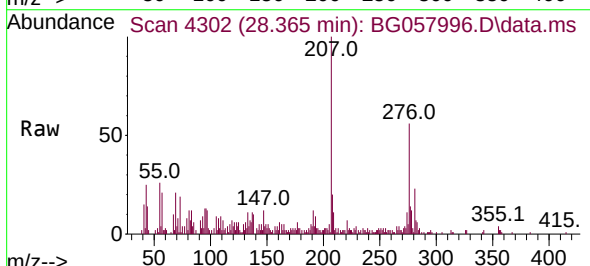
RT: 28.365 min Scan# 4302

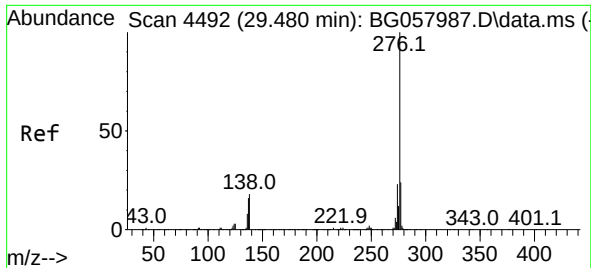
Delta R.T. 0.030 min

Lab File: BG057996.D

Acq: 4 Jul 2023 21:05

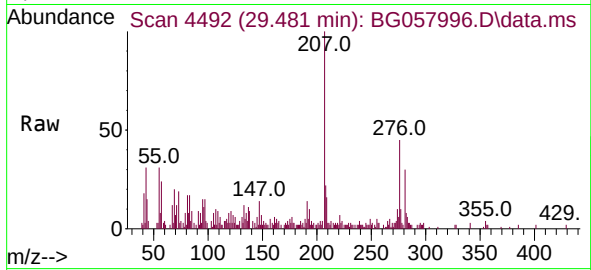
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 40559 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 17.3  | 14.0  | 21.0  |
| 277       | 25.7  | 19.4  | 29.2  |





#96  
Benzo(g,h,i)perylene  
Concen: 1.504 ng/ul m  
RT: 29.481 min Scan# 44  
Delta R.T. 0.012 min  
Lab File: BG057996.D  
Acq: 4 Jul 2023 21:05

Instrument :  
BNA\_G  
ClientSampleId :  
DCGM9



Tgt Ion:276 Resp: 3114  
Ion Ratio Lower Upper  
276 100  
138 20.2 14.2 21.2  
277 23.2 18.6 27.8

Manual Integrations  
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