

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040224\  
 Data File : BG060753.D  
 Acq On : 3 Apr 2024 1:31  
 Operator : MA/JU  
 Sample : P1879-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HS-02(0-6)

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/03/2024  
 Supervised By :mohammad ahmed 04/04/2024

Quant Time: Apr 03 02:29:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.958  | 152  | 89148    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.754 | 136  | 351314   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.579 | 164  | 247862   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.329 | 188  | 521919   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.595 | 240  | 477416   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.744 | 264  | 564178   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.537  | 112  | 307163   | 57.399 | ng    | 0.00     |
| 7) Phenol-d6                | 7.112  | 99   | 428038   | 53.885 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.109  | 82   | 257129   | 41.764 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.066 | 330  | 186648   | 66.337 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.210 | 172  | 639215   | 37.849 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.955 | 244  | 1044670  | 38.530 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.370 | 178  | 259287   | 9.552  | ng    | 98       |
| 75) Fluoranthene            | 19.385 | 202  | 275060   | 8.351  | ng    | 98       |
| 78) Pyrene                  | 19.744 | 202  | 440945   | 13.206 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.577 | 228  | 218912m  | 6.505  | ng    |          |
| 83) Chrysene                | 21.642 | 228  | 220853   | 6.809  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 28.299 | 276  | 107228   | 2.699  | ng    | # 78     |
| 88) Benzo(b)fluoranthene    | 23.745 | 252  | 228653   | 7.055  | ng    | # 95     |
| 90) Benzo(a)pyrene          | 24.591 | 252  | 197810   | 6.280  | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 29.403 | 276  | 122031m  | 3.746  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

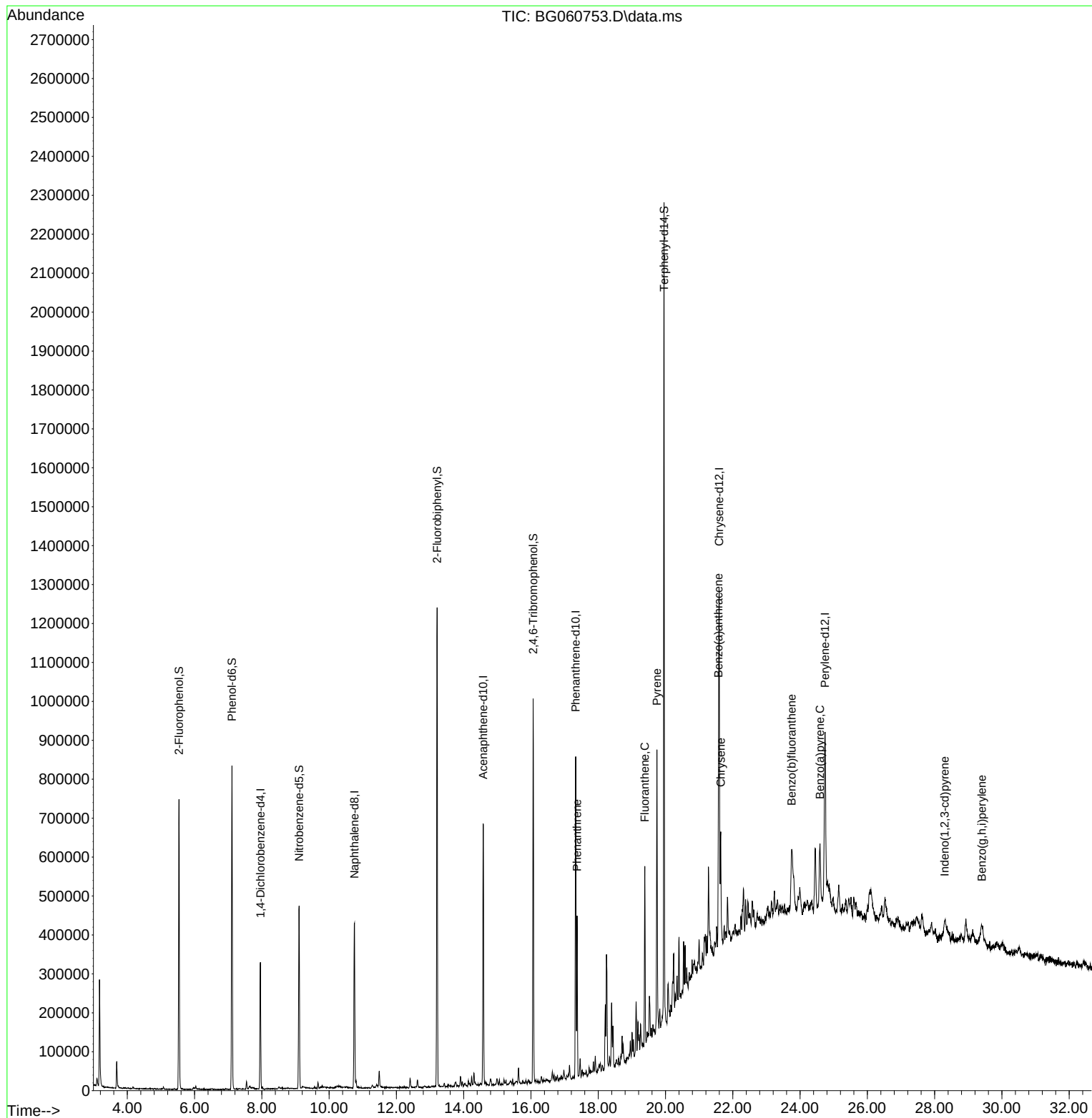
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040224\  
Data File : BG060753.D  
Acq On : 3 Apr 2024 1:31  
Operator : MA/JU  
Sample : P1879-14  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

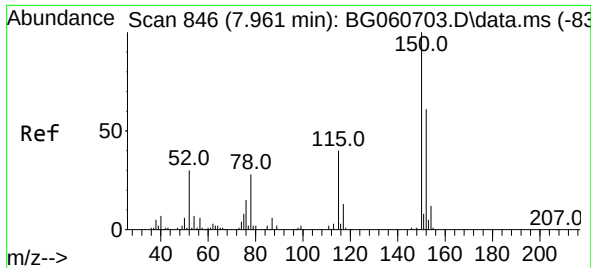
Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)

Quant Time: Apr 03 02:29:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
Response via : Initial Calibration

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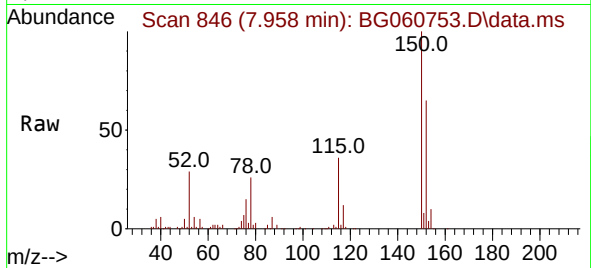
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.958 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

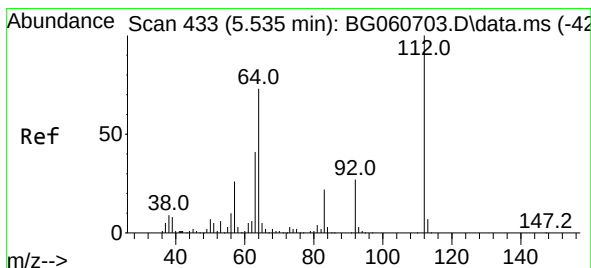
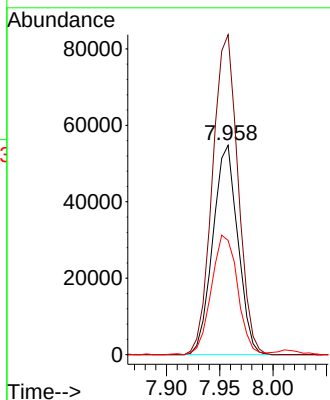
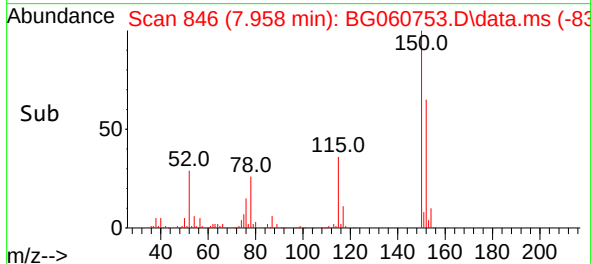
Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)



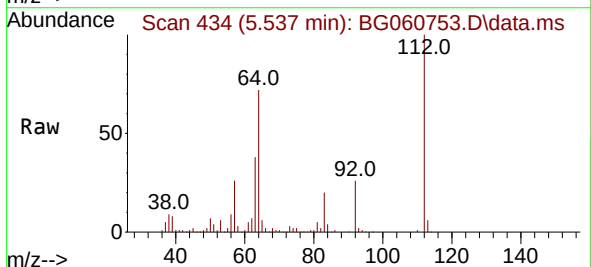
Tgt Ion:152 Resp: 89148  
Ion Ratio Lower Upper  
152 100  
150 152.8 130.2 195.4  
115 54.5 51.6 77.4

Manual Integrations  
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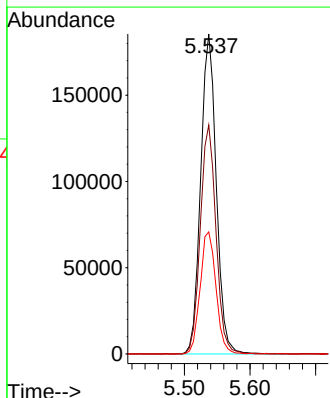
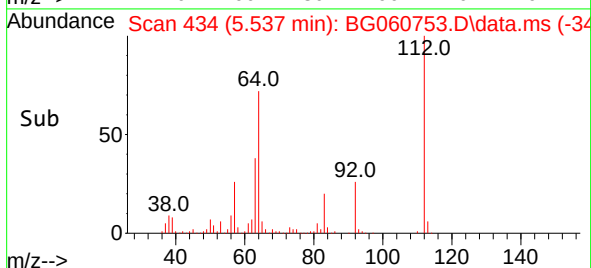
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024

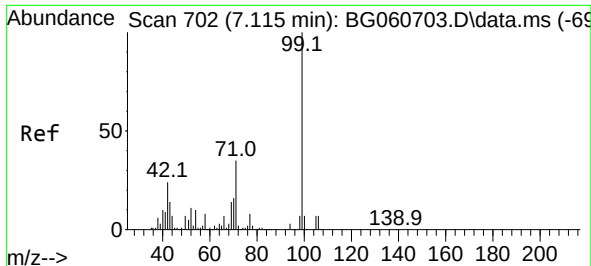


#5  
2-Fluorophenol  
Concen: 57.399 ng  
RT: 5.537 min Scan# 434  
Delta R.T. 0.002 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31



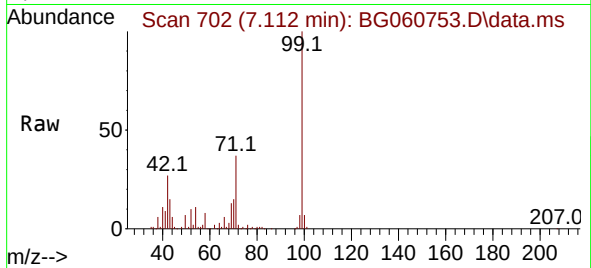
Tgt Ion:112 Resp: 307163  
Ion Ratio Lower Upper  
112 100  
64 71.6 58.4 87.6  
63 38.1 32.7 49.1





#7  
Phenol-d6  
Concen: 53.885 ng  
RT: 7.112 min Scan# 702  
Delta R.T. -0.004 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

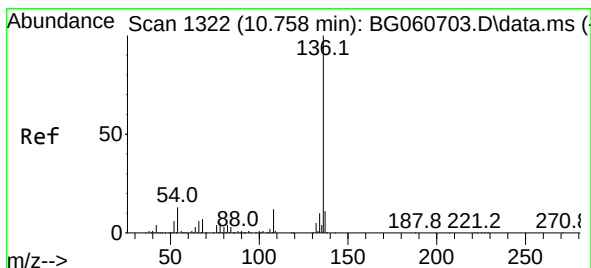
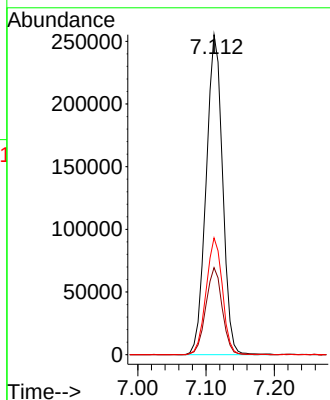
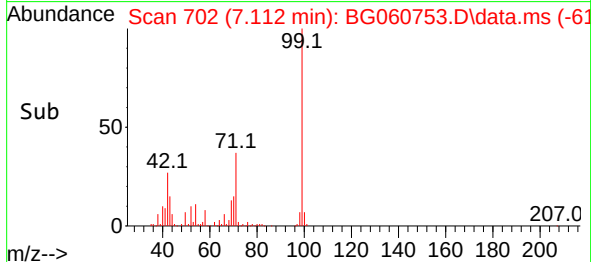
Instrument :  
BNA\_G  
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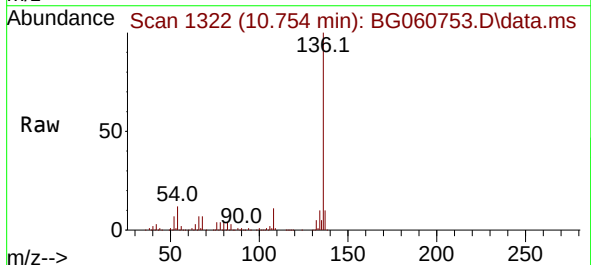
Tgt Ion: 99 Resp: 428038  
Ion Ratio Lower Upper  
99 100  
42 27.2 19.4 29.2  
71 36.5 28.2 42.2

Manual Integrations  
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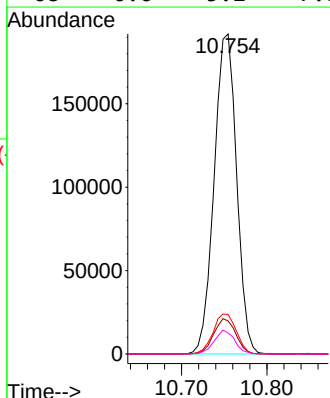
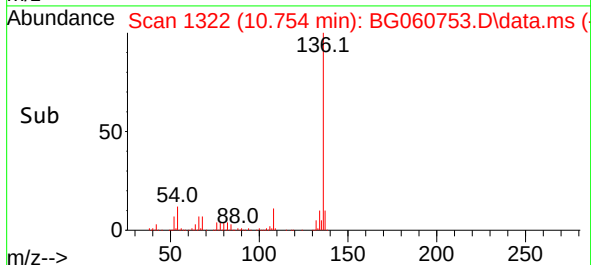
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024

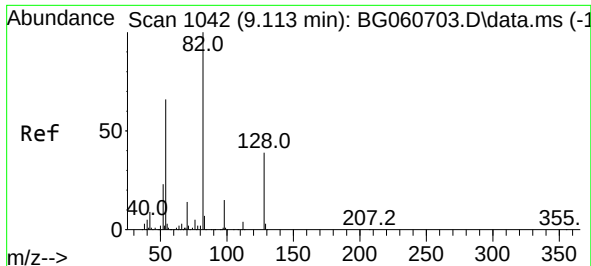


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.754 min Scan# 1322  
Delta R.T. -0.004 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31



Tgt Ion:136 Resp: 351314  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.8 13.2  
54 12.4 10.2 15.2  
68 6.6 5.2 7.8





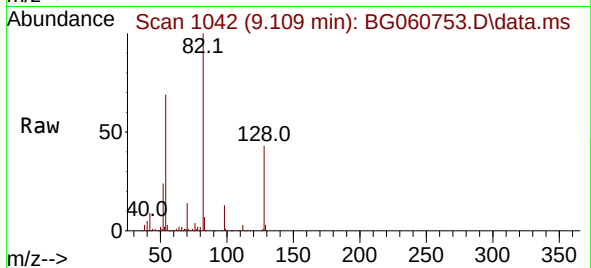
#23  
Nitrobenzene-d5  
Concen: 41.764 ng  
RT: 9.109 min Scan# 1042  
Delta R.T. -0.004 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

Instrument :

BNA\_G

ClientSampleId :

HS-02(0-6)

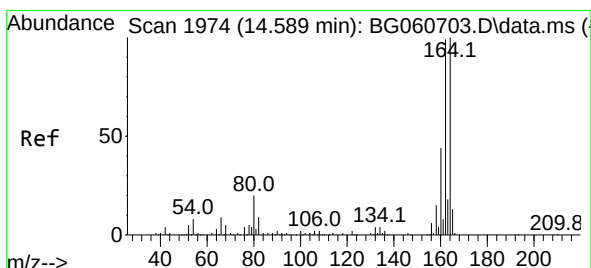
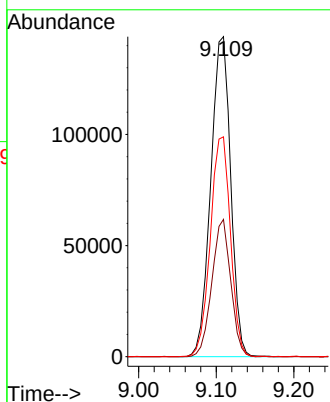
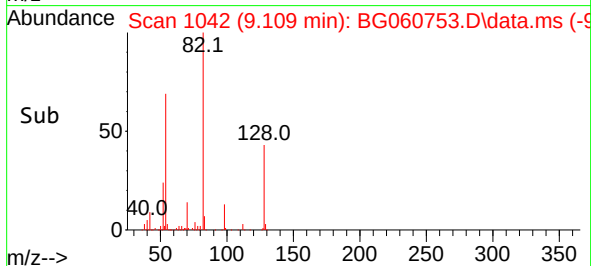


Tgt Ion: 82 Resp: 257129  
Ion Ratio Lower Upper  
82 100  
128 42.9 31.2 46.8  
54 68.7 53.2 79.8

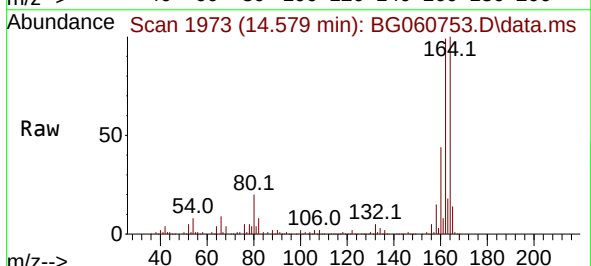
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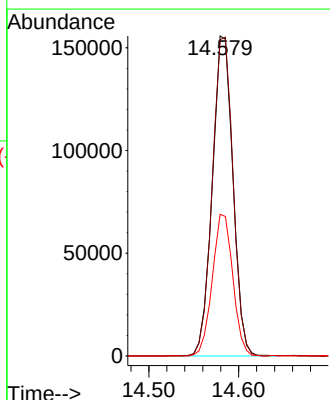
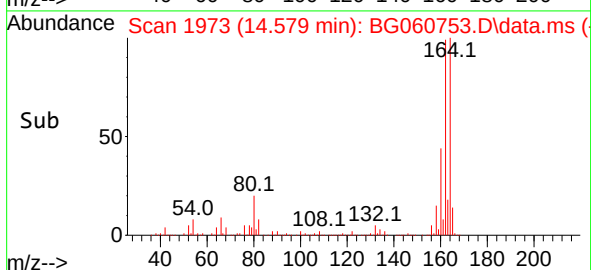
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024

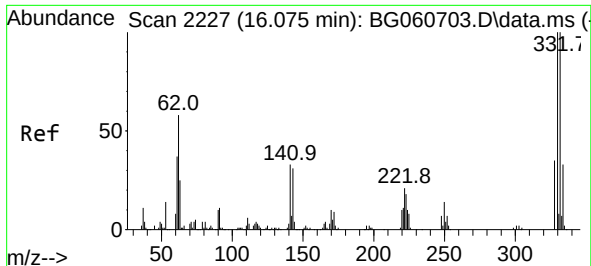


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.579 min Scan# 1973  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31



Tgt Ion:164 Resp: 247862  
Ion Ratio Lower Upper  
164 100  
162 98.8 79.5 119.3  
160 44.2 35.4 53.0





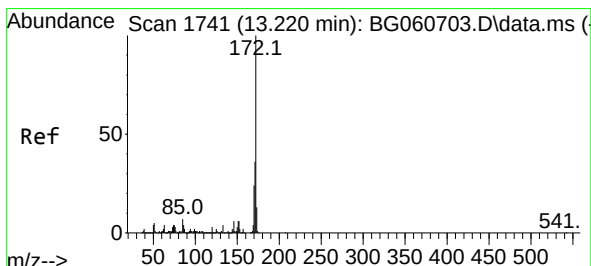
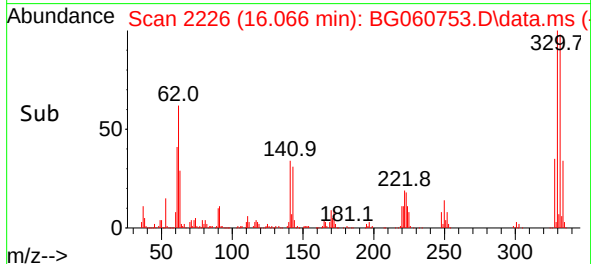
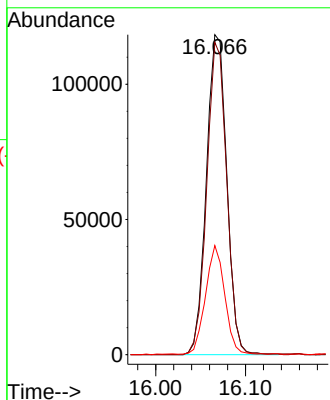
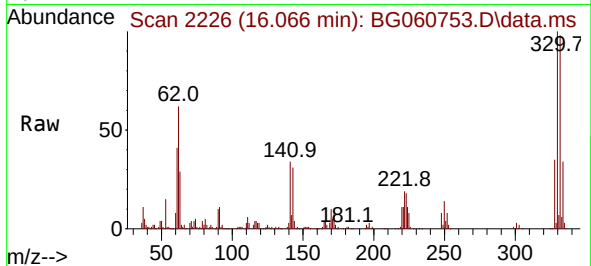
#42  
2,4,6-Tribromophenol  
Concen: 66.337 ng  
RT: 16.066 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)

Tgt Ion:330 Resp: 186648  
Ion Ratio Lower Upper  
330 100  
332 95.5 78.2 117.4  
141 32.7 27.0 40.6

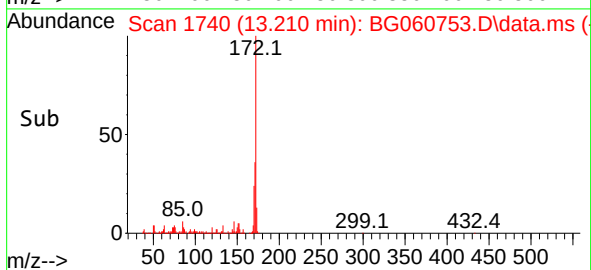
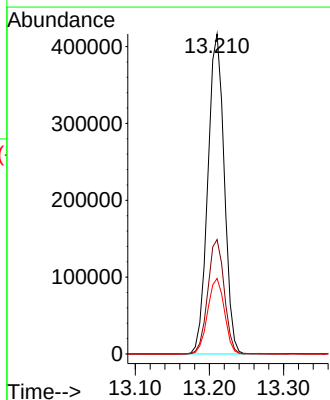
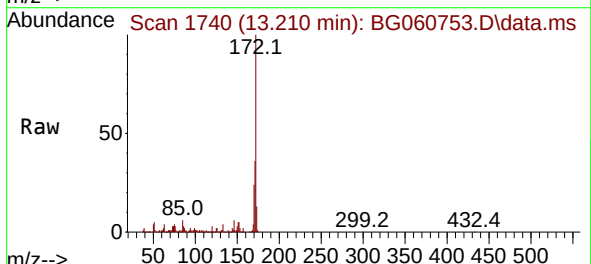
Manual Integrations  
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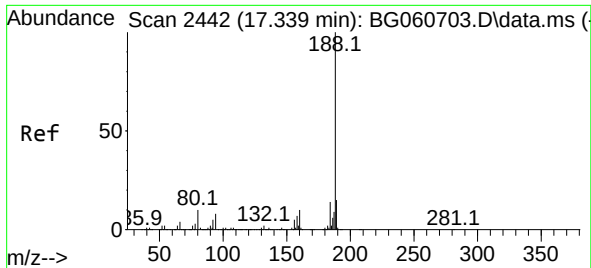
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024



#45  
2-Fluorobiphenyl  
Concen: 37.849 ng  
RT: 13.210 min Scan# 1740  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

Tgt Ion:172 Resp: 639215  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.7 43.1  
170 23.6 19.4 29.0





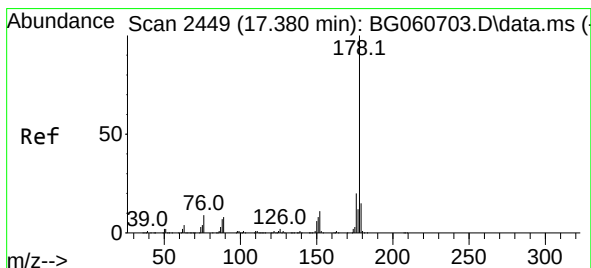
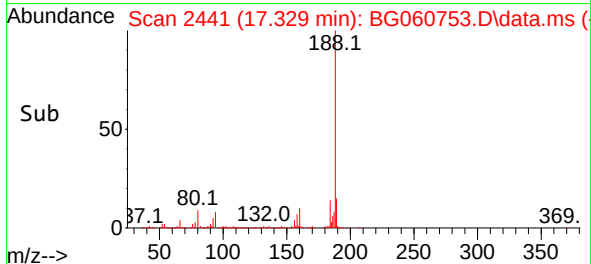
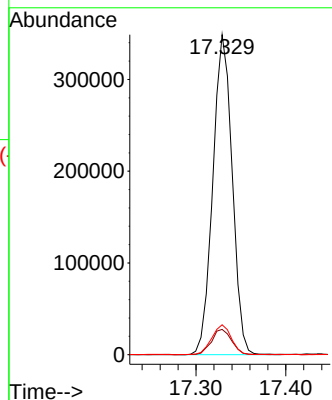
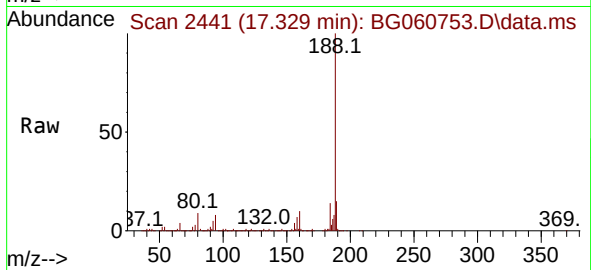
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.329 min Scan# 2442  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)

Tgt Ion:188 Resp: 521919  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.6 9.8  
80 9.4 7.6 11.4

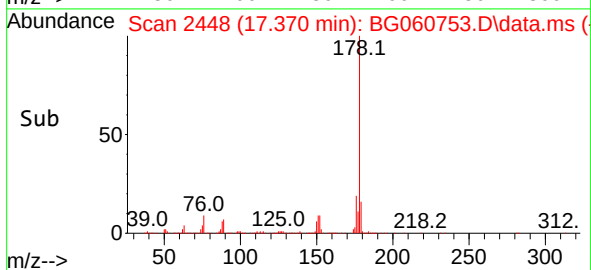
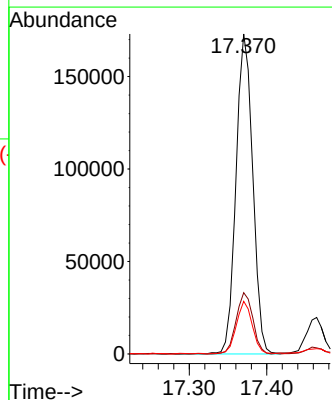
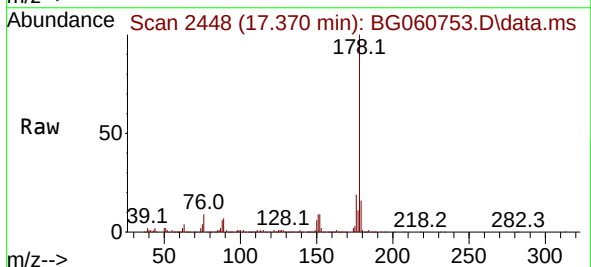
Manual Integrations  
APPROVED

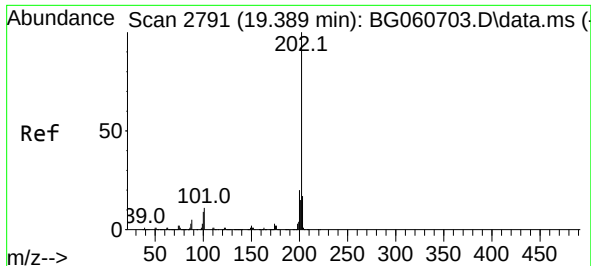
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024



#71  
Phenanthrene  
Concen: 9.552 ng  
RT: 17.370 min Scan# 2448  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

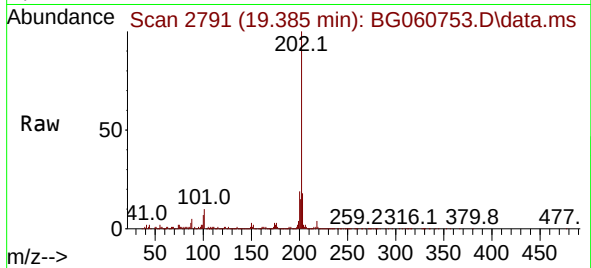
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Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.6  
179 16.5 12.2 18.4





#75  
Fluoranthene  
Concen: 8.351 ng  
RT: 19.385 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

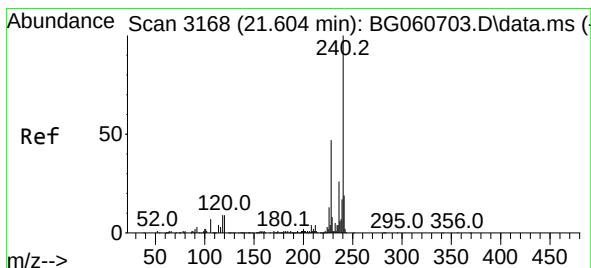
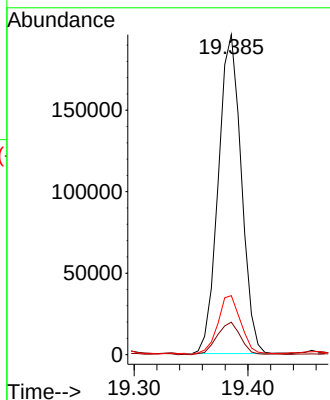
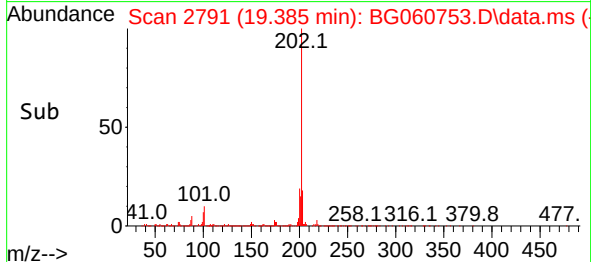
Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)



Tgt Ion:202 Resp: 275060  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 30.8  
203 18.5 0.0 37.4

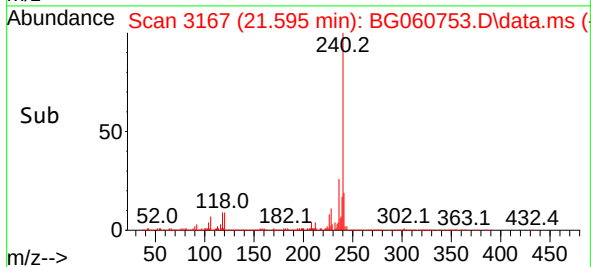
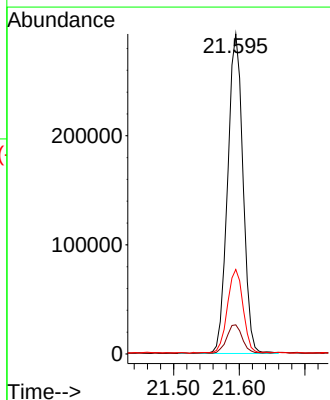
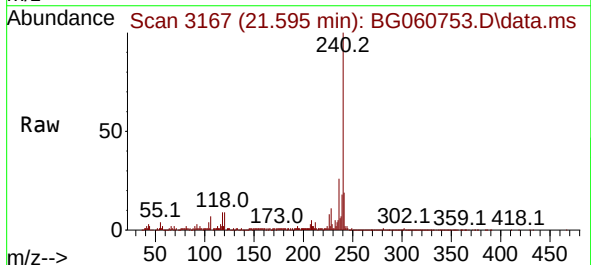
Manual Integrations  
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Supervised By :mohammad ahmed 04/04/2024

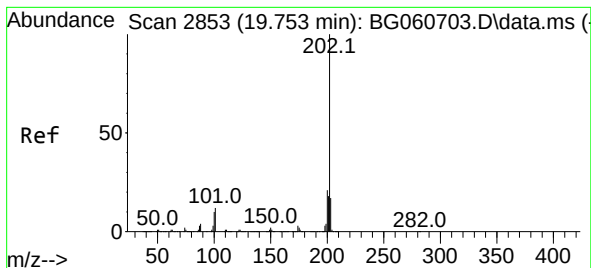


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.595 min Scan# 3167  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

Tgt Ion:240 Resp: 477416  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.1 10.7  
236 26.4 20.7 31.1







#78

Pyrene

Concen: 13.206 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA\_G

ClientSampleId :

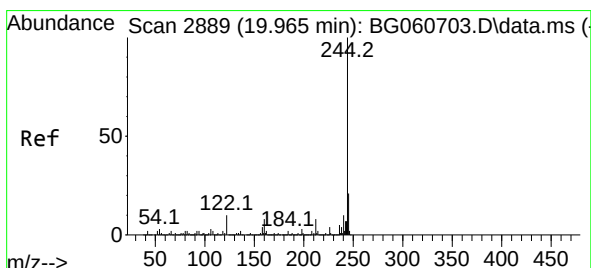
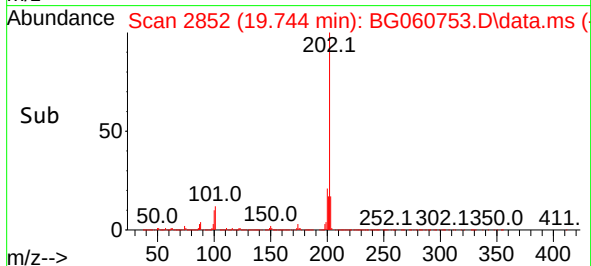
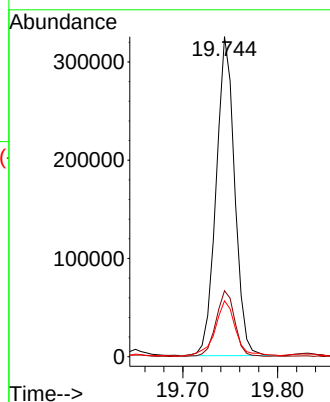
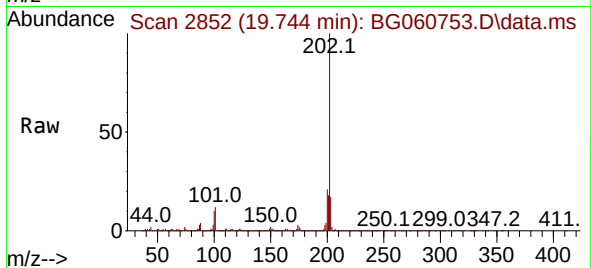
HS-02(0-6)

Tgt Ion:202 Resp: 440945  
 Ion Ratio Lower Upper  
 202 100  
 200 20.6 17.0 25.4  
 203 17.4 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/03/2024  
 Supervised By :mohammad ahmed 04/04/2024



#79

Terphenyl-d14

Concen: 38.530 ng

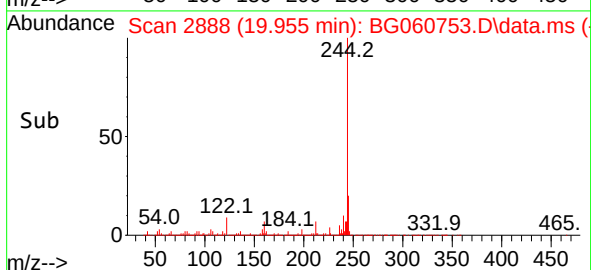
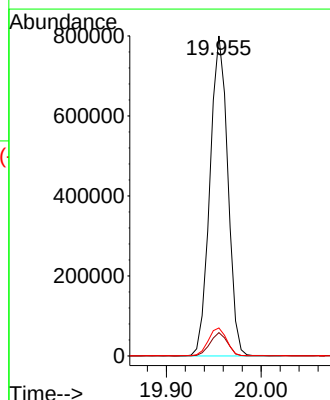
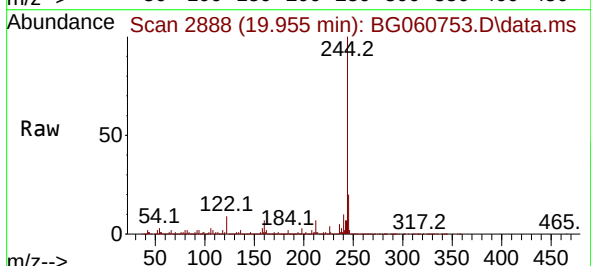
RT: 19.955 min Scan# 2888

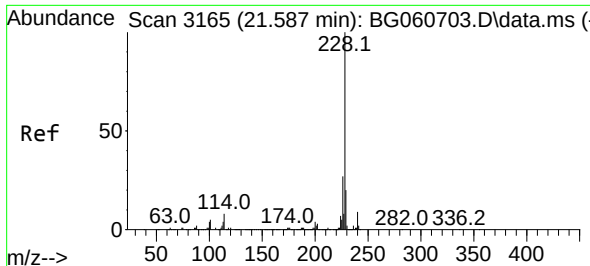
Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

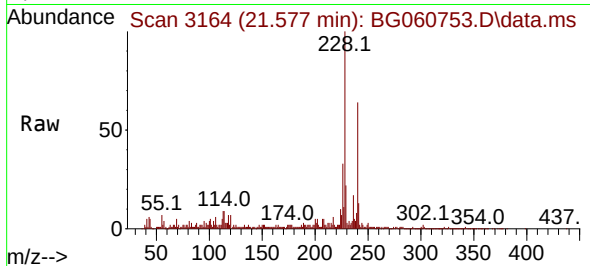
Tgt Ion:244 Resp: 1044670  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.2  
 122 8.7 7.8 11.8





#81  
Benzo(a)anthracene  
Concen: 6.505 ng m  
RT: 21.577 min Scan# 3164  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

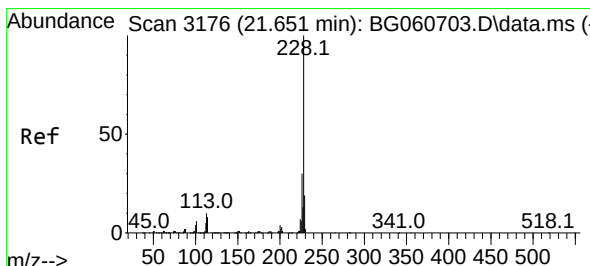
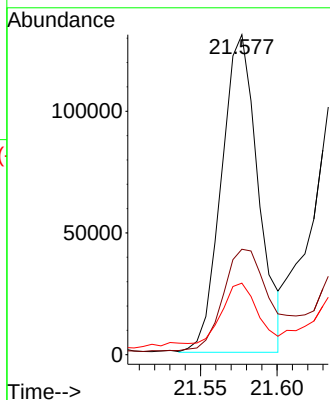
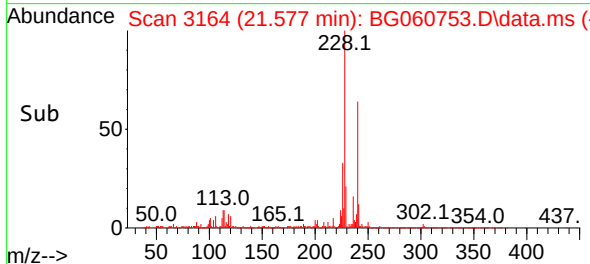
Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)



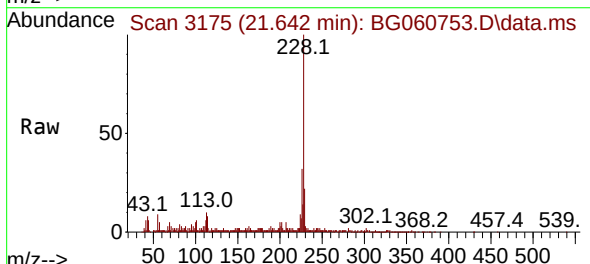
Tgt Ion:228 Resp: 218912  
Ion Ratio Lower Upper  
228 100  
226 32.9 21.7 32.5  
229 22.3 15.8 23.8

Manual Integrations  
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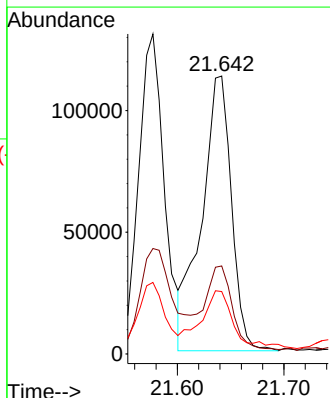
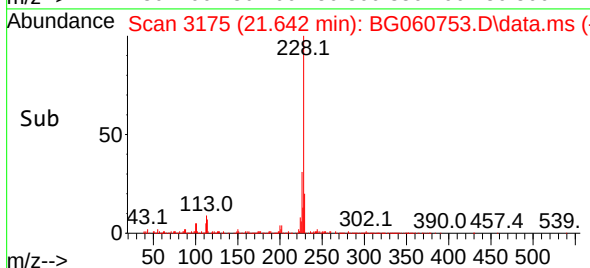
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024

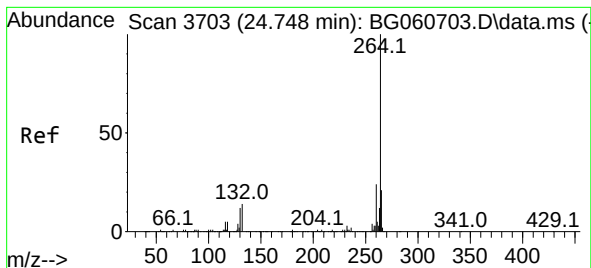


#83  
Chrysene  
Concen: 6.809 ng  
RT: 21.642 min Scan# 3175  
Delta R.T. -0.010 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31



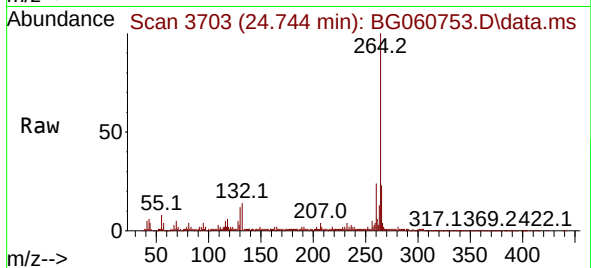
Tgt Ion:228 Resp: 220853  
Ion Ratio Lower Upper  
228 100  
226 31.7 24.2 36.4  
229 22.5 15.5 23.3





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.744 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31

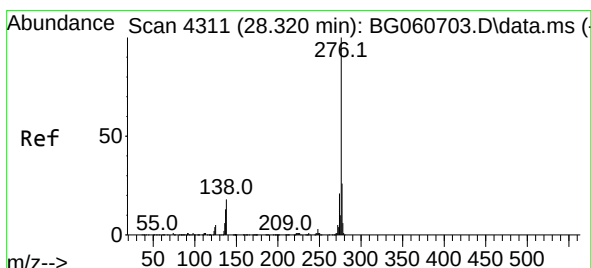
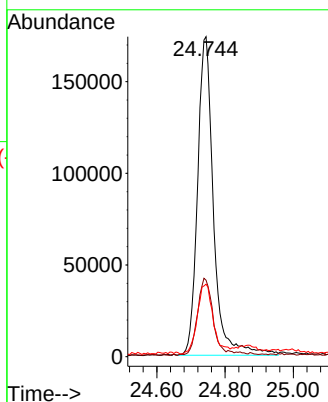
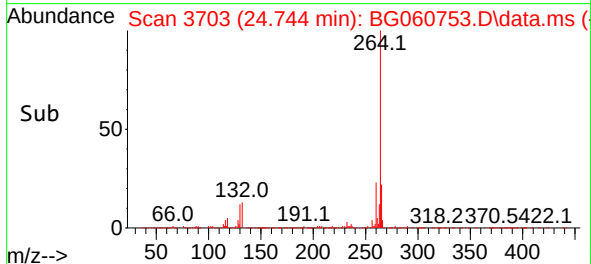
Instrument :  
BNA\_G  
ClientSampleId :  
HS-02(0-6)



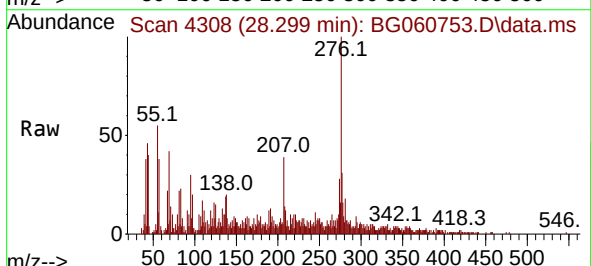
Tgt Ion:264 Resp: 564178  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.5 29.3  
265 22.7 16.9 25.3

Manual Integrations  
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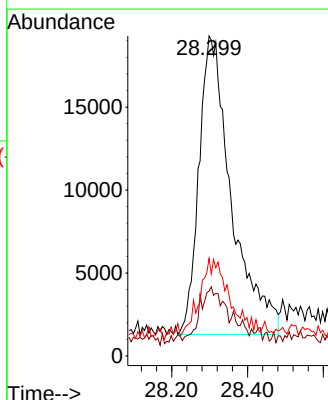
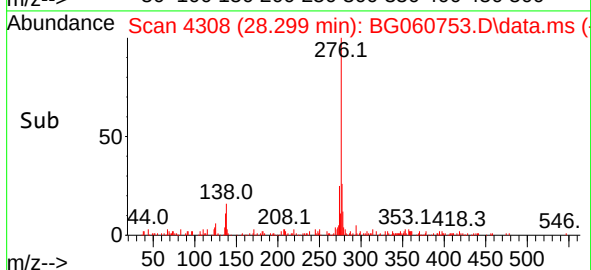
Reviewed By :Jagrut Upadhyay 04/03/2024  
Supervised By :mohammad ahmed 04/04/2024

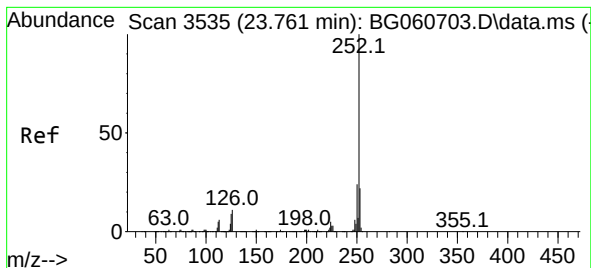


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.699 ng  
RT: 28.299 min Scan# 4308  
Delta R.T. -0.021 min  
Lab File: BG060753.D  
Acq: 3 Apr 2024 1:31



Tgt Ion:276 Resp: 107228  
Ion Ratio Lower Upper  
276 100  
138 13.0 12.4 18.6  
277 8.9 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 7.055 ng

RT: 23.745 min Scan# 3535

Delta R.T. -0.015 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA\_G

ClientSampleId :

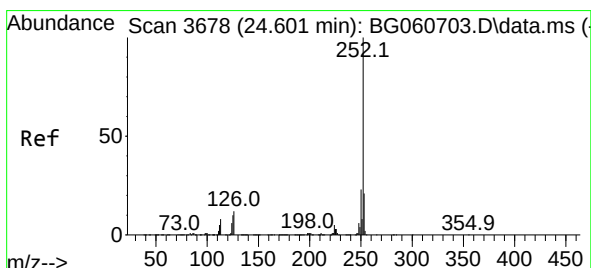
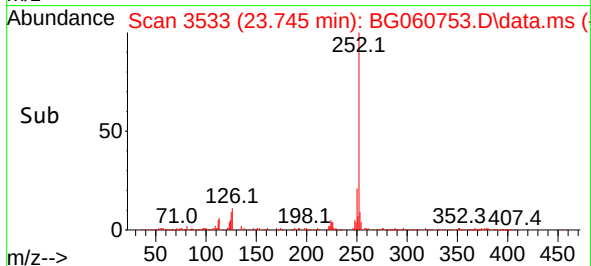
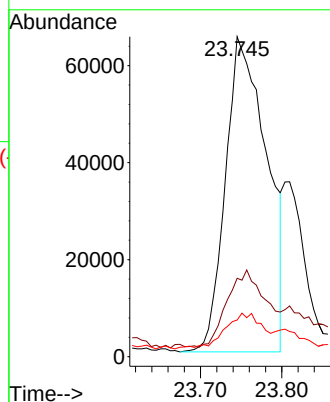
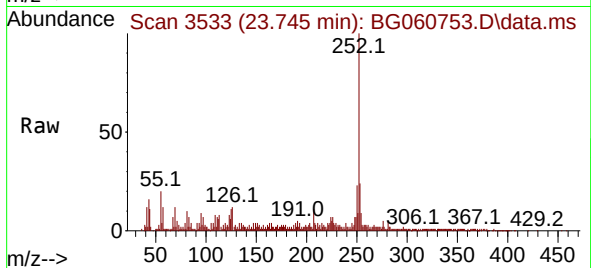
HS-02(0-6)

Tgt Ion:252 Resp: 22865  
 Ion Ratio Lower Upper  
 252 100  
 253 24.5 17.8 26.8  
 125 11.5 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/03/2024  
 Supervised By :mohammad ahmed 04/04/2024



#90

Benzo(a)pyrene

Concen: 6.280 ng

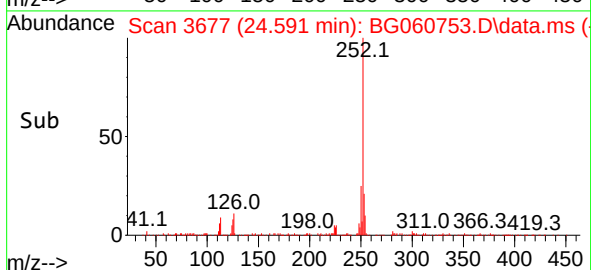
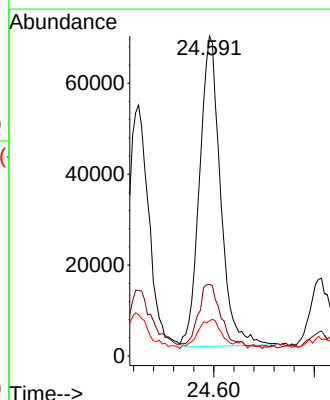
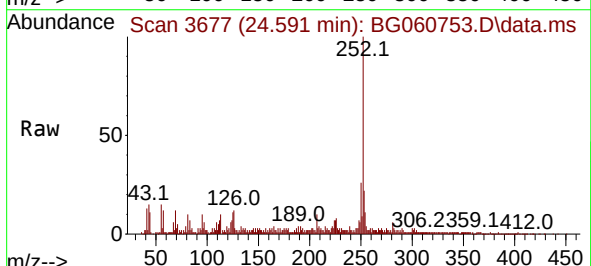
RT: 24.591 min Scan# 3677

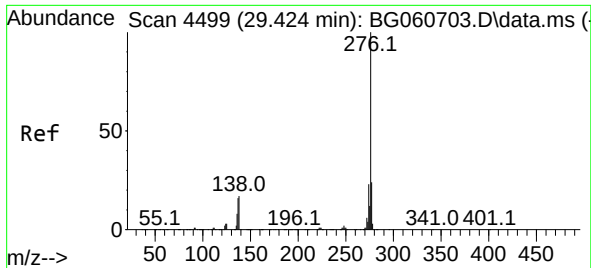
Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

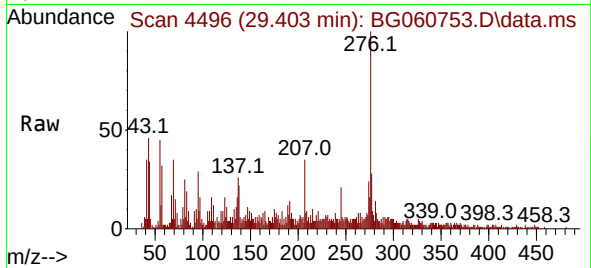
Tgt Ion:252 Resp: 197810  
 Ion Ratio Lower Upper  
 252 100  
 253 22.4 16.8 25.2  
 125 10.9 7.6 11.4





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.746 ng m  
 RT: 29.403 min Scan# 4496  
 Delta R.T. -0.021 min  
 Lab File: BG060753.D  
 Acq: 3 Apr 2024 1:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HS-02(0-6)



Tgt Ion:276 Resp: 12203  
 Ion Ratio Lower Upper  
 276 100  
 277 28.0 18.9 28.3  
 138 22.0 14.0 21.0

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 04/03/2024  
 Supervised By :mohammad ahmed 04/04/2024

