

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG113022\  
 Data File : BG055845.D  
 Acq On : 30 Nov 2022 17:06  
 Operator : CG/JU  
 Sample : N5795-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/01/2022  
 Supervised By : Jagrut Upadhyay 12/01/2022

Quant Time: Dec 01 02:13:44 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 01 02:10:33 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.217  | 152  | 40434    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.049 | 136  | 177256   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.845 | 164  | 128515   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.583 | 188  | 288103   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.872 | 240  | 267620   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 25.256 | 264  | 281697   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.755  | 112  | 229566   | 102.623 | ng    | 0.00     |
| 7) Phenol-d6                | 7.371  | 99   | 307480   | 103.258 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.392  | 82   | 197664   | 58.940  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.325 | 330  | 162677   | 89.894  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.470 | 172  | 510326   | 59.490  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.168 | 244  | 822502   | 61.472  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 19.622 | 202  | 108029   | 5.711   | ng    | 99       |
| 78) Pyrene                  | 19.986 | 202  | 85684    | 4.730   | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.854 | 228  | 59084    | 3.205   | ng    | 95       |
| 83) Chrysene                | 21.919 | 228  | 58963    | 3.360   | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 29.152 | 276  | 47035    | 2.038   | ng    | # 95     |
| 88) Benzo(b)fluoranthene    | 24.175 | 252  | 94078    | 5.128   | ng    | 99       |
| 89) Benzo(k)fluoranthene    | 24.240 | 252  | 38899m   | 2.127   | ng    |          |
| 90) Benzo(a)pyrene          | 25.092 | 252  | 56732    | 3.604   | ng    | # 98     |
| 92) Benzo(g,h,i)perylene    | 30.368 | 276  | 43183    | 2.272   | ng    | 100      |
| -----                       |        |      |          |         |       |          |

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

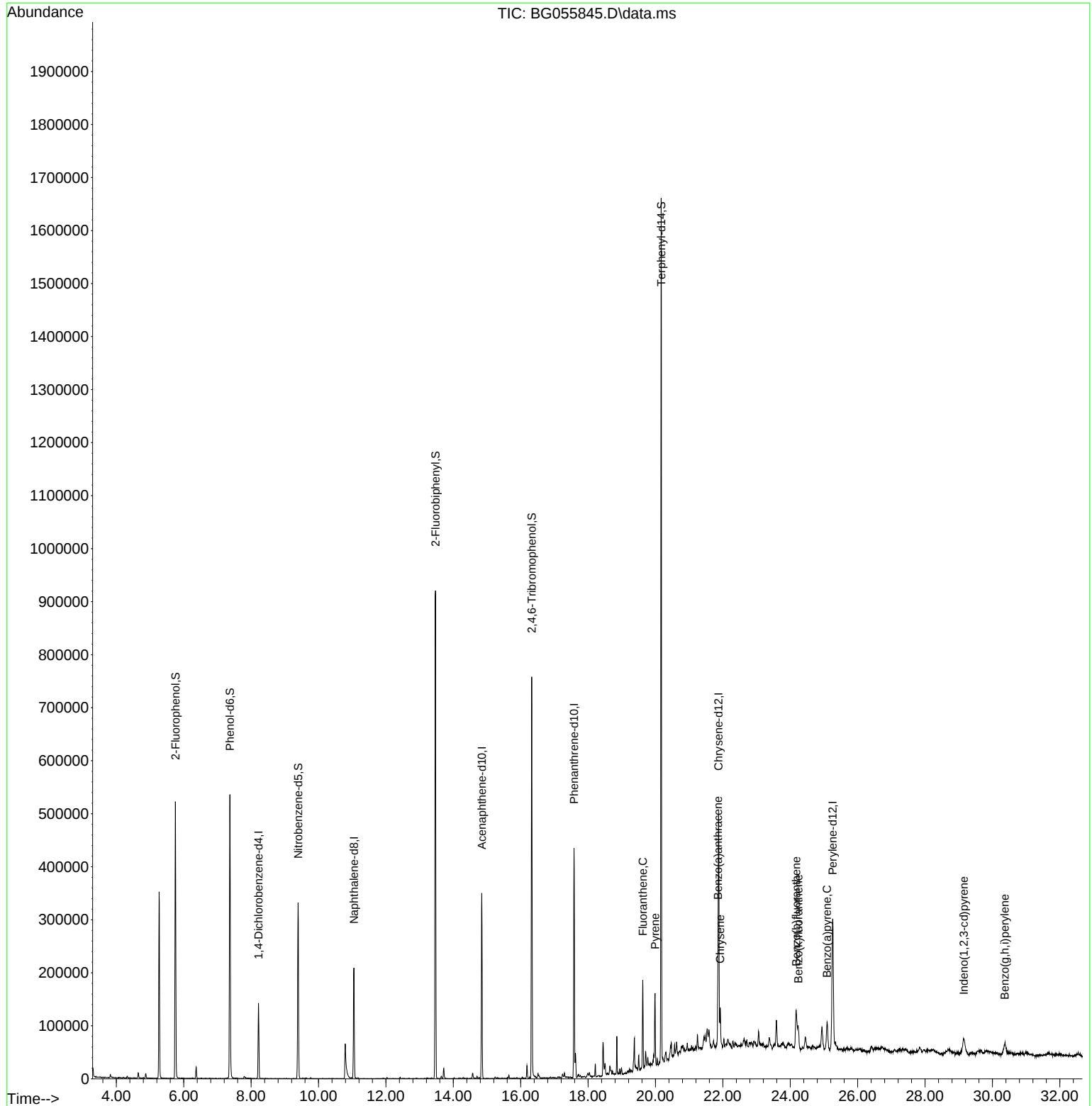
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG113022\  
Data File : BG055845.D  
Acq On : 30 Nov 2022 17:06  
Operator : CG/JU  
Sample : N5795-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

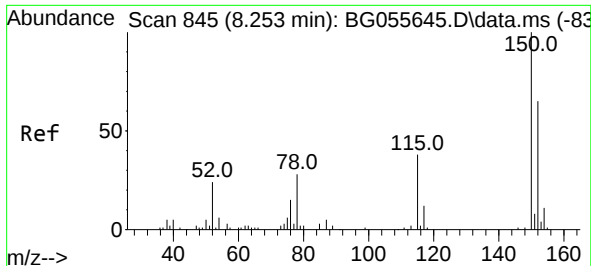
Instrument :  
BNA\_G  
ClientSampleId :  
TP-10

Quant Time: Dec 01 02:13:44 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG11622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 01 02:10:33 2022  
Response via : Initial Calibration

Manual Integrations  
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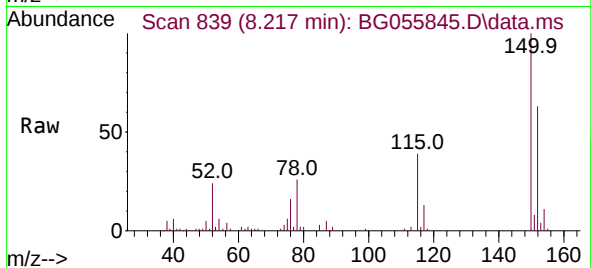
Reviewed By : Christian Giraldo 12/01/2022  
Supervised By : Jagrut Upadhyay 12/01/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.217 min Scan# 845  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

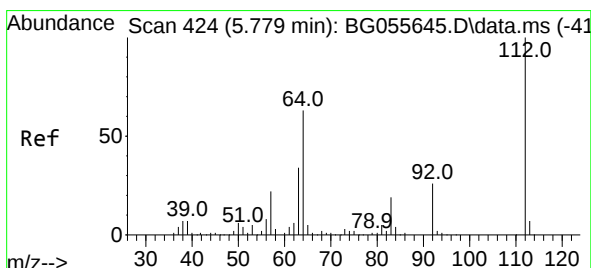
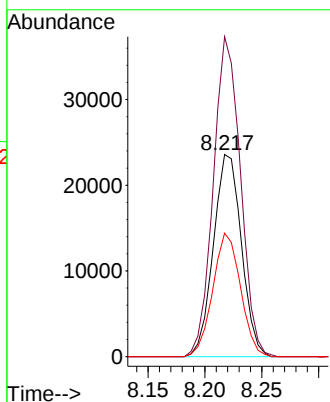
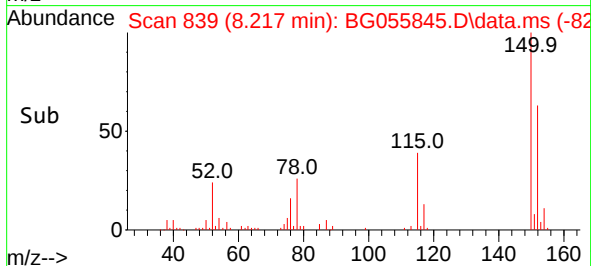
Instrument :  
BNA\_G  
ClientSampleId :  
TP-10



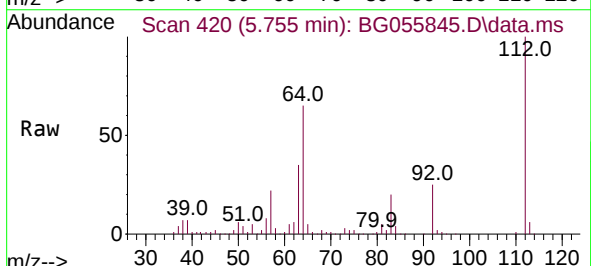
Tgt Ion:152 Resp: 40434  
Ion Ratio Lower Upper  
152 100  
150 158.3 123.0 184.6  
115 61.1 47.0 70.4

Manual Integrations  
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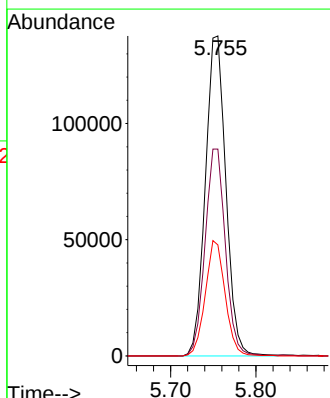
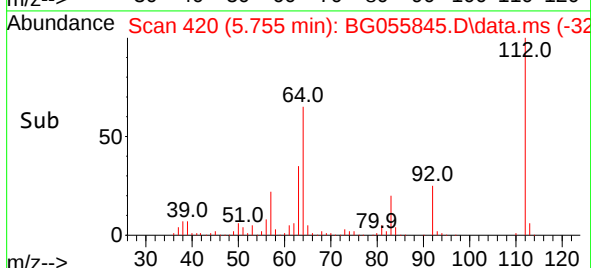
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#5  
2-Fluorophenol  
Concen: 102.623 ng  
RT: 5.755 min Scan# 420  
Delta R.T. 0.004 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06



Tgt Ion:112 Resp: 229566  
Ion Ratio Lower Upper  
112 100  
64 64.6 50.6 76.0  
63 34.7 27.5 41.3





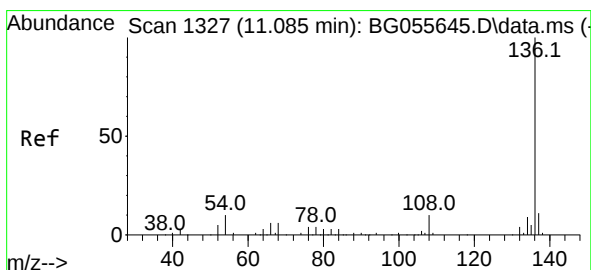
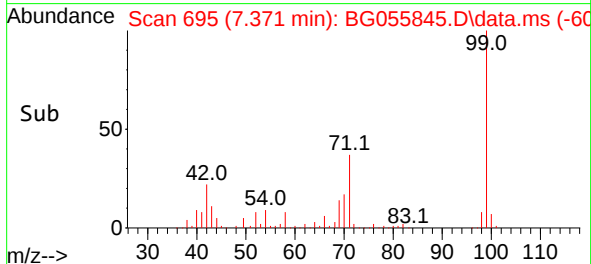
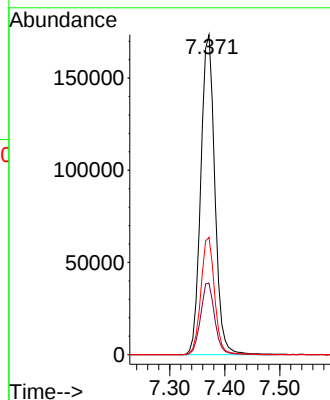
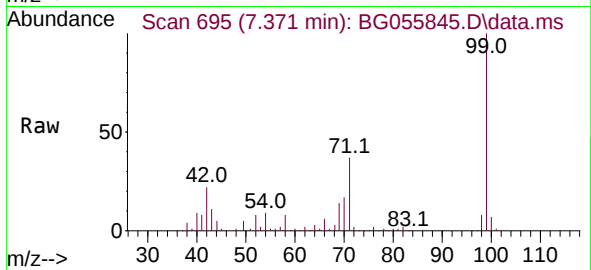
#7  
Phenol-d6  
Concen: 103.258 ng  
RT: 7.371 min Scan# 698  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

Instrument :  
BNA\_G  
ClientSampleId :  
TP-10

Tgt Ion: 99 Resp: 307480  
Ion Ratio Lower Upper  
99 100  
42 22.3 18.0 27.0  
71 36.6 29.0 43.6

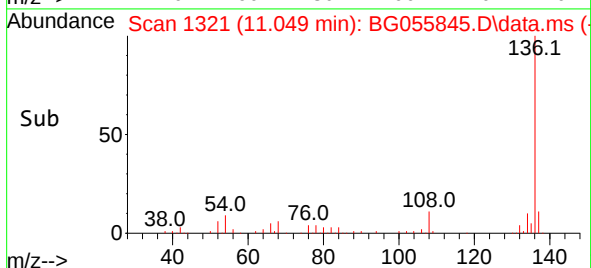
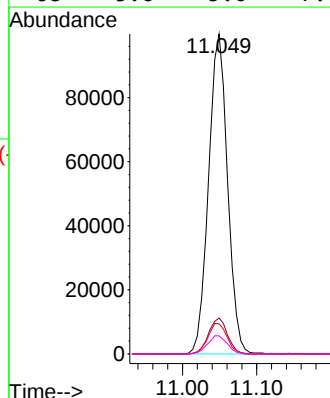
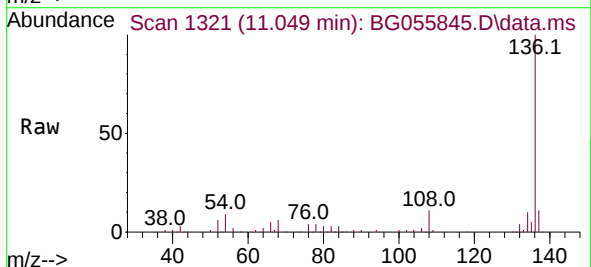
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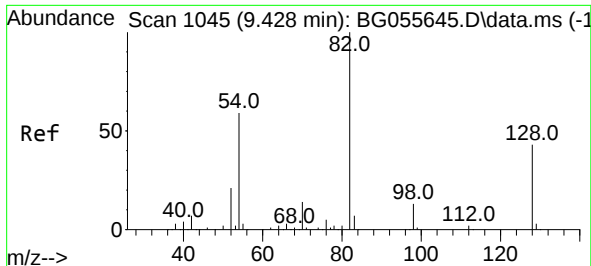
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.049 min Scan# 1321  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

Tgt Ion:136 Resp: 177256  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.6  
54 9.4 7.8 11.6  
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 58.940 ng

RT: 9.392 min Scan# 1045

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA\_G

ClientSampleId :

TP-10

Tgt Ion: 82 Resp: 197664

Ion Ratio Lower Upper

82 100

128 42.1 34.1 51.1

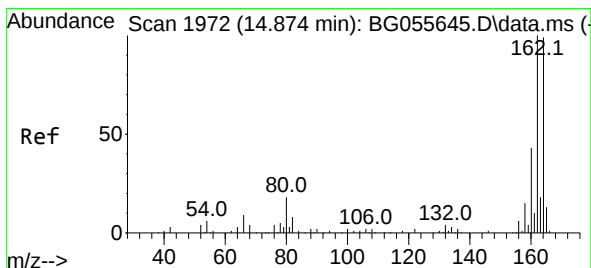
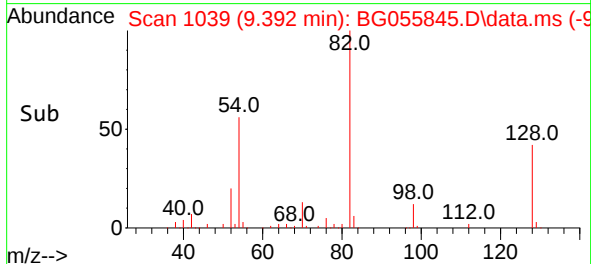
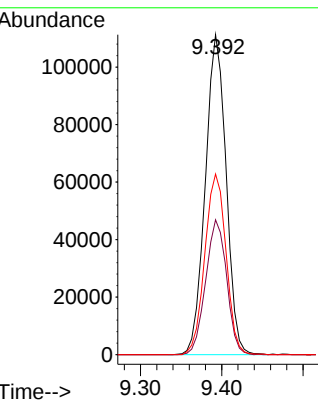
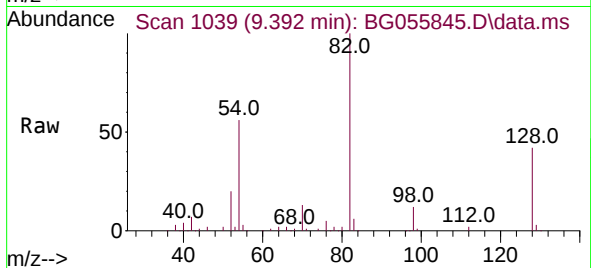
54 56.4 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 1967

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

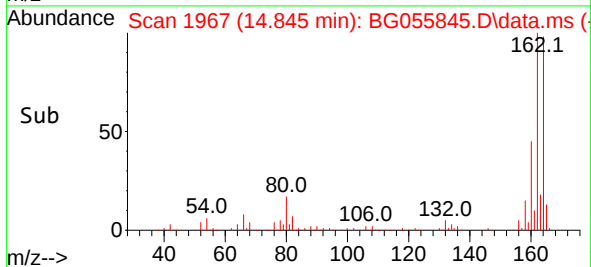
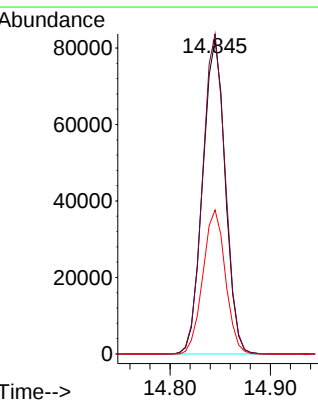
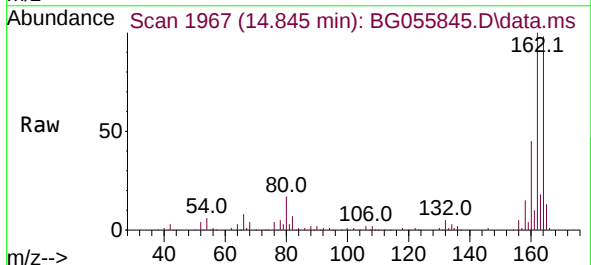
Tgt Ion:164 Resp: 128515

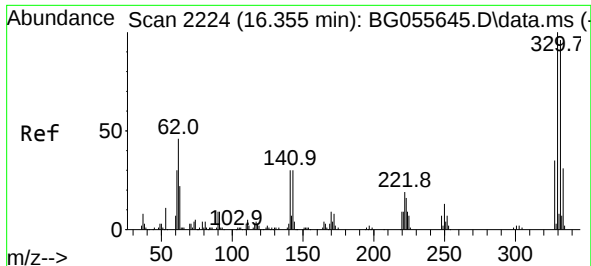
Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

160 45.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 89.894 ng

RT: 16.325 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA\_G

ClientSampleId :

TP-10

Tgt Ion:330 Resp: 16267

Ion Ratio Lower Upper

330 100

332 97.5 77.8 116.8

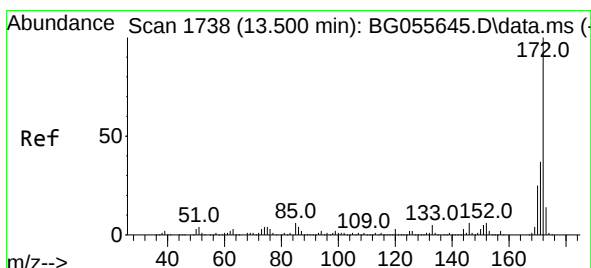
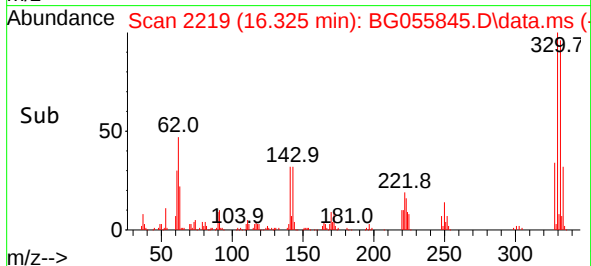
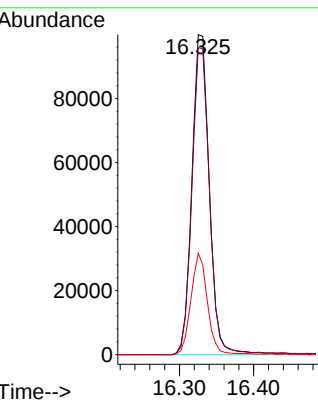
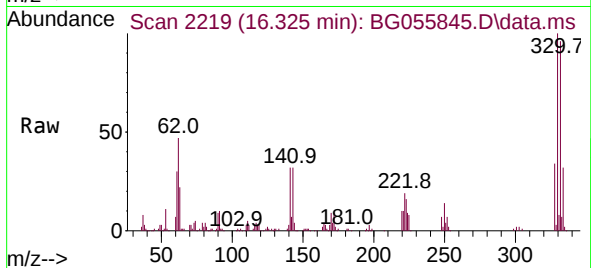
141 30.1 23.9 35.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#45

2-Fluorobiphenyl

Concen: 59.490 ng

RT: 13.470 min Scan# 1733

Delta R.T. -0.002 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

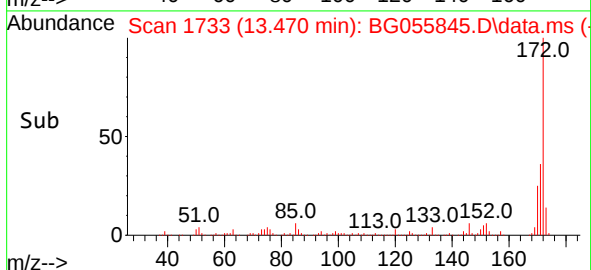
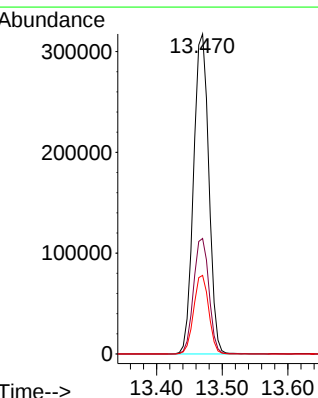
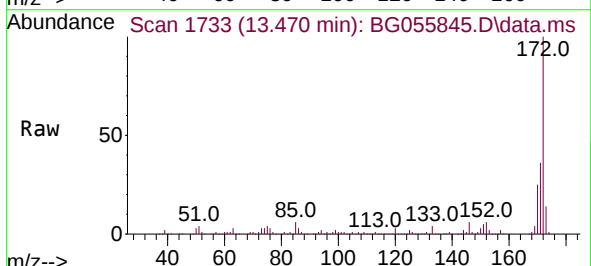
Tgt Ion:172 Resp: 510326

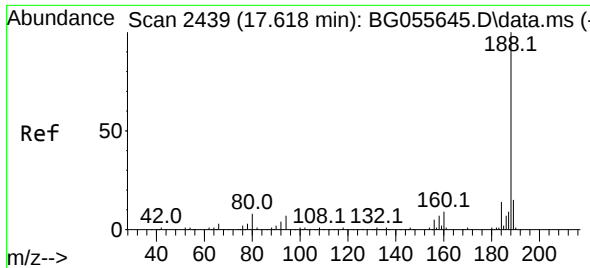
Ion Ratio Lower Upper

172 100

171 36.1 29.8 44.6

170 24.5 20.2 30.4





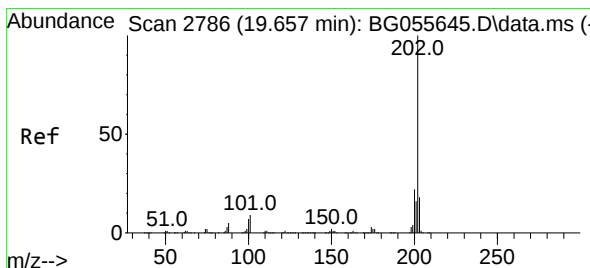
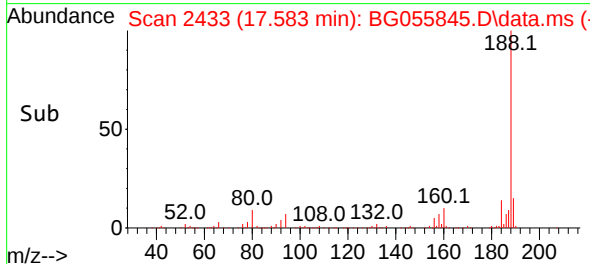
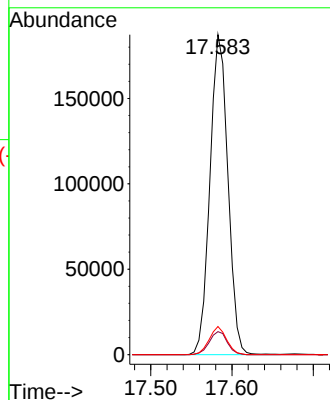
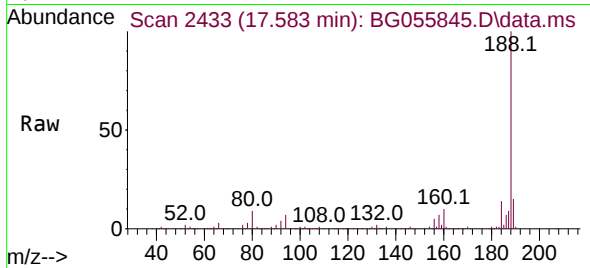
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.583 min Scan# 2439  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

Instrument :  
BNA\_G  
ClientSampleId :  
TP-10

Tgt Ion:188 Resp: 288103  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.4 8.2  
80 8.8 6.6 10.0

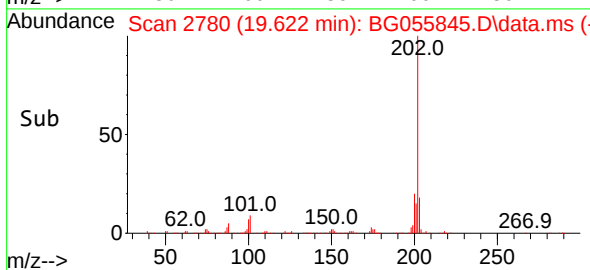
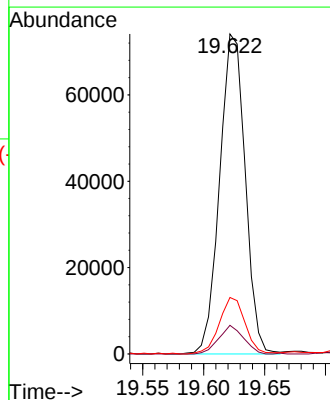
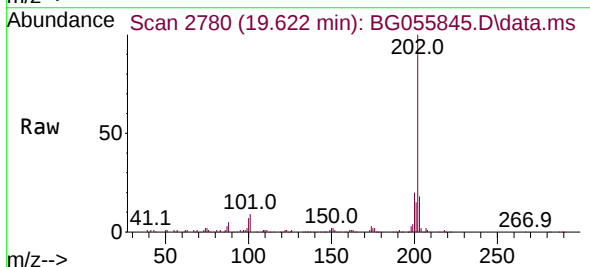
Manual Integrations  
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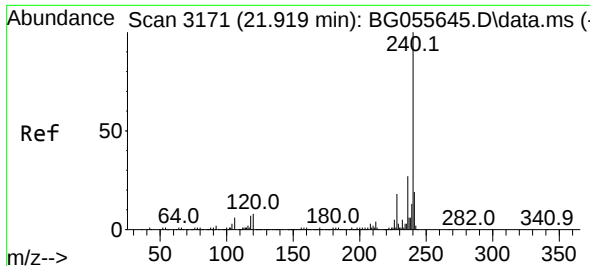
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#75  
Fluoranthene  
Concen: 5.711 ng  
RT: 19.622 min Scan# 2780  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

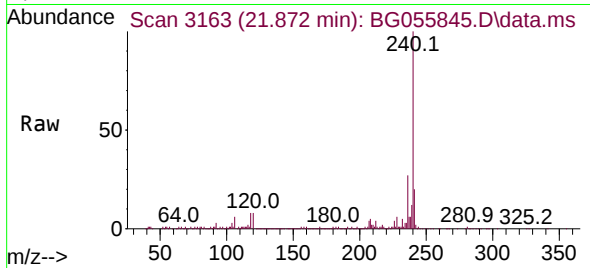
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Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.8  
203 17.6 0.0 38.1





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.872 min Scan# 3171  
Delta R.T. -0.008 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

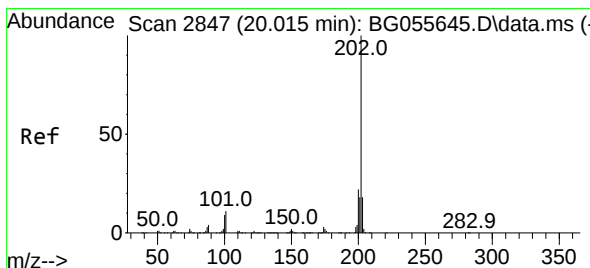
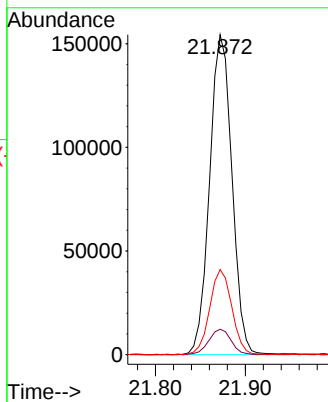
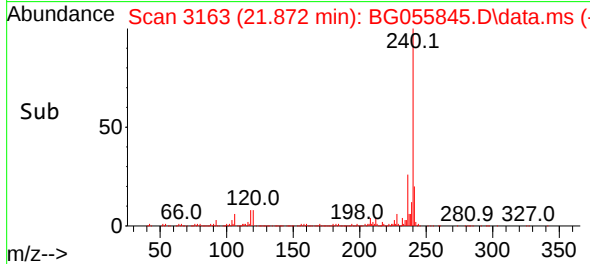
Instrument :  
BNA\_G  
ClientSampleId :  
TP-10



Tgt Ion:240 Resp: 267620  
Ion Ratio Lower Upper  
240 100  
120 7.9 6.3 9.5  
236 26.6 21.9 32.9

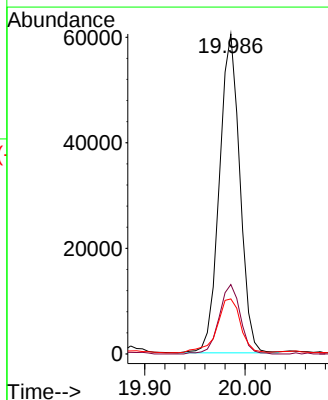
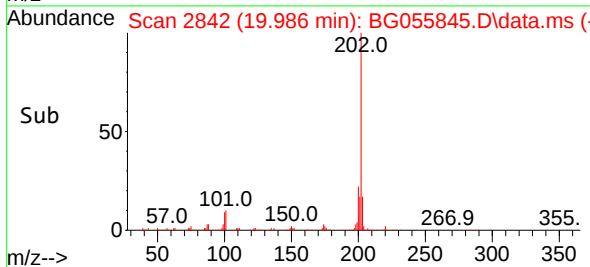
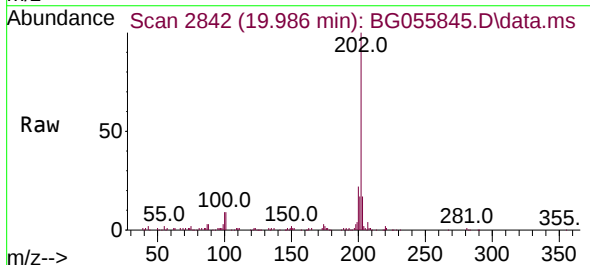
Manual Integrations  
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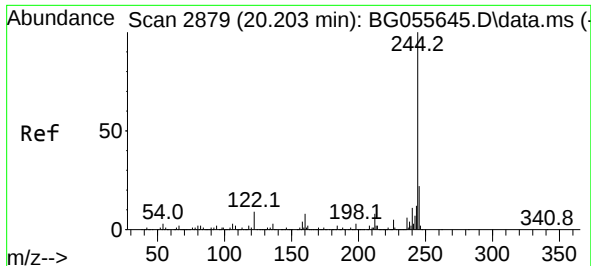
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#78  
Pyrene  
Concen: 4.730 ng  
RT: 19.986 min Scan# 2842  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

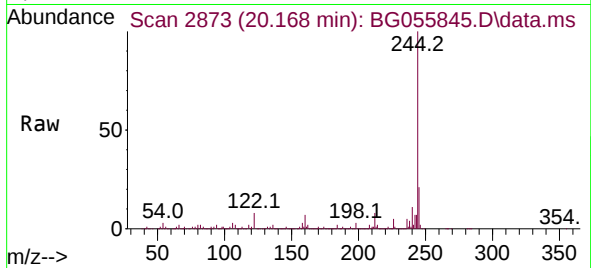
Tgt Ion:202 Resp: 85684  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.8 26.6  
203 17.2 14.4 21.6





#79  
 Terphenyl-d14  
 Concen: 61.472 ng  
 RT: 20.168 min Scan# 2879  
 Delta R.T. -0.002 min  
 Lab File: BG055845.D  
 Acq: 30 Nov 2022 17:06

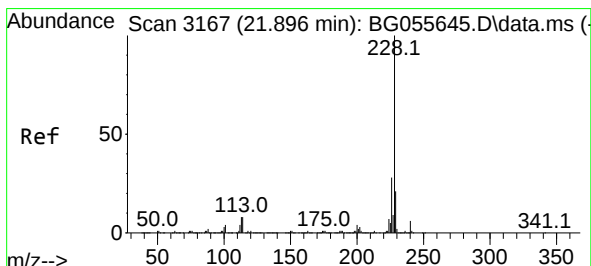
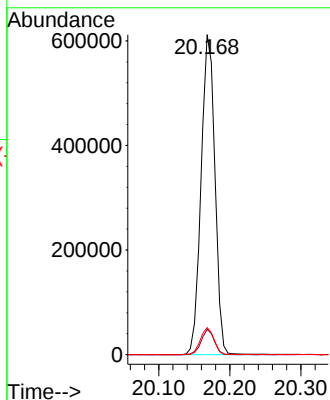
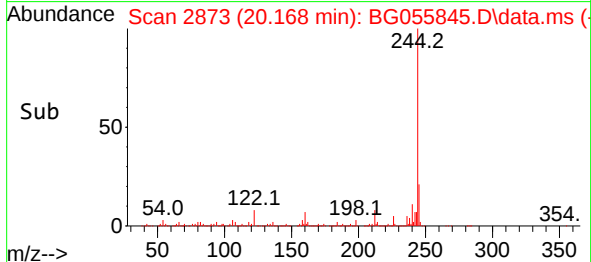
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-10



Tgt Ion:244 Resp: 822502  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.3 9.5  
 122 8.4 6.9 10.3

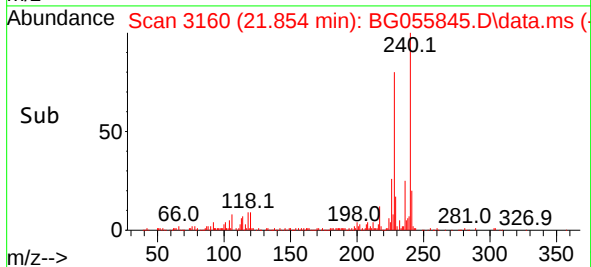
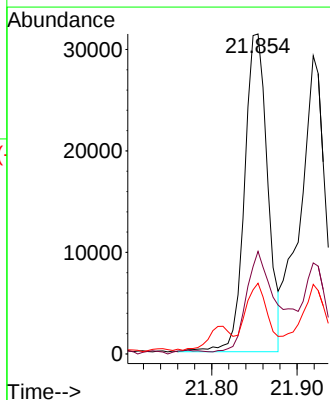
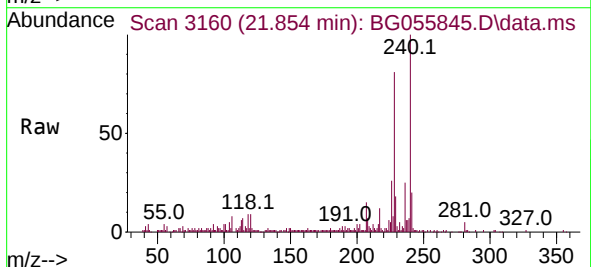
Manual Integrations  
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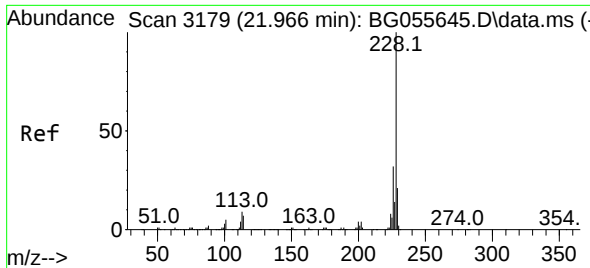
Reviewed By :Christian Giraldo 12/01/2022  
 Supervised By :Jagrut Upadhyay 12/01/2022



#81  
 Benzo(a)anthracene  
 Concen: 3.205 ng  
 RT: 21.854 min Scan# 3160  
 Delta R.T. -0.002 min  
 Lab File: BG055845.D  
 Acq: 30 Nov 2022 17:06

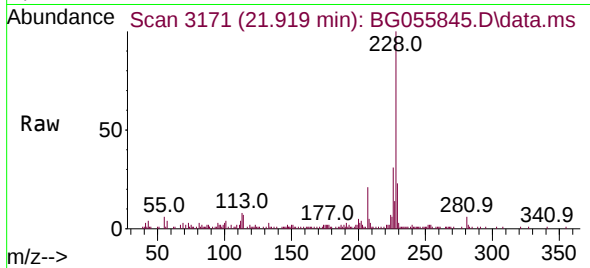
Tgt Ion:228 Resp: 59084  
 Ion Ratio Lower Upper  
 228 100  
 226 32.0 22.7 34.1  
 229 22.1 16.5 24.7





#83  
Chrysene  
Concen: 3.360 ng  
RT: 21.919 min Scan# 3179  
Delta R.T. -0.008 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

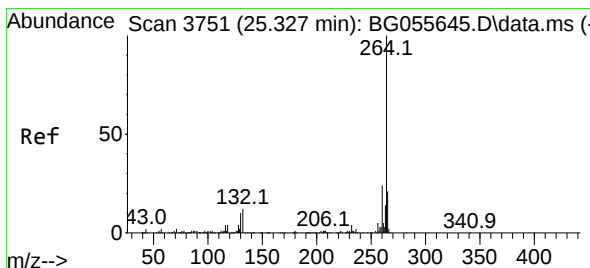
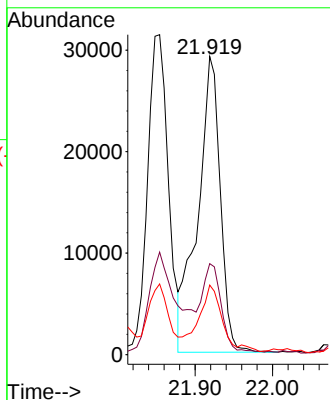
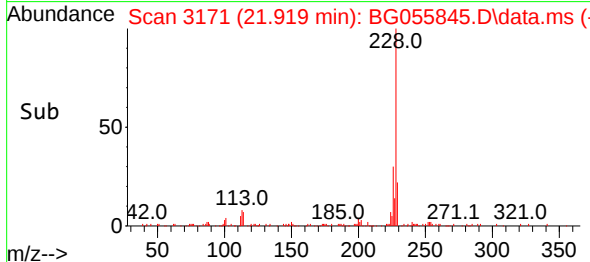
Instrument :  
BNA\_G  
ClientSampleId :  
TP-10



Tgt Ion:228 Resp: 58963  
Ion Ratio Lower Upper  
228 100  
226 30.5 25.4 38.2  
229 23.3 17.1 25.7

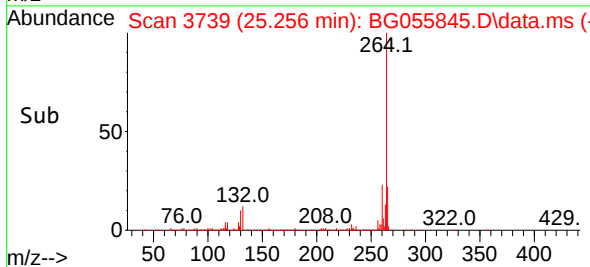
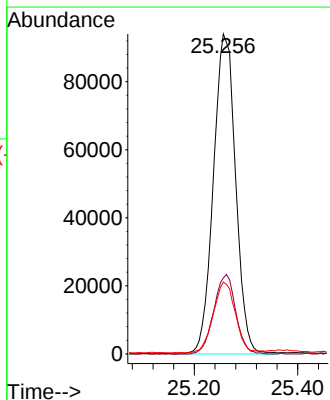
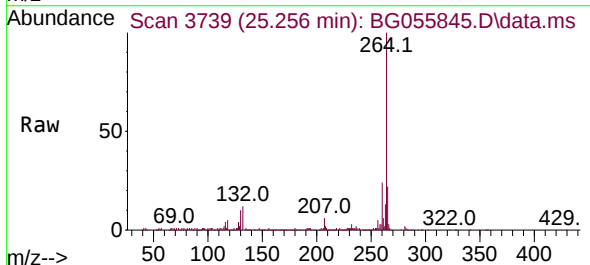
Manual Integrations  
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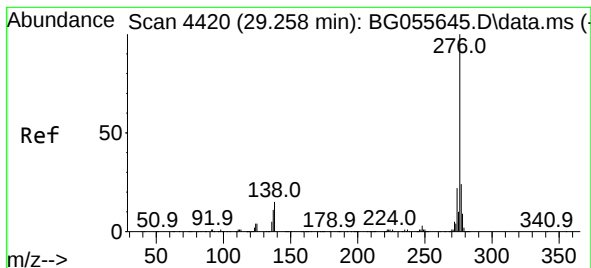
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.256 min Scan# 3739  
Delta R.T. -0.002 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

Tgt Ion:264 Resp: 281697  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.5 29.3  
265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.038 ng

RT: 29.152 min Scan# 4420

Delta R.T. -0.020 min

Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Instrument :

BNA\_G

ClientSampleId :

TP-10

Tgt Ion: 276 Resp: 47035

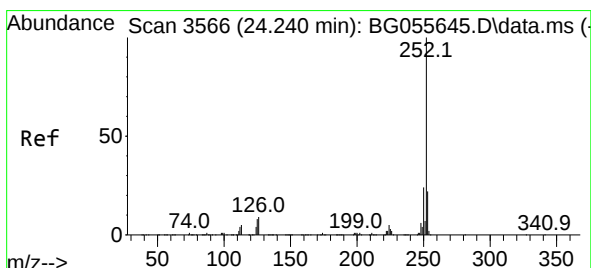
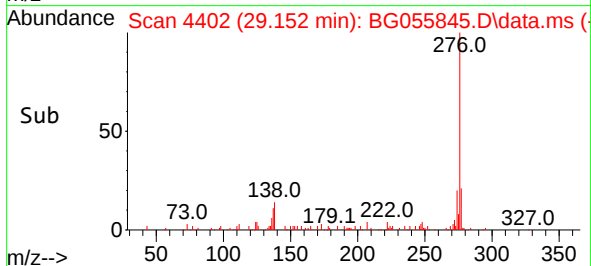
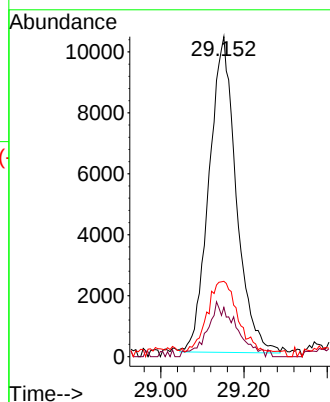
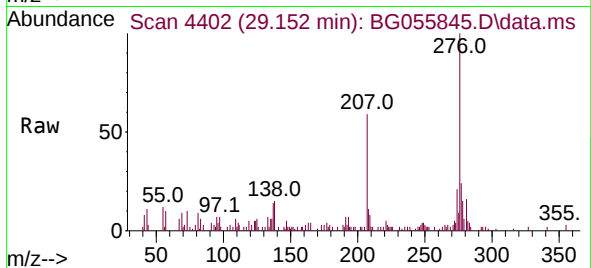
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 18.4  | 10.4  | 15.6  |
| 277 | 24.6  | 20.2  | 30.4  |

Manual Integrations

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Reviewed By : Christian Giraldo 12/01/2022

Supervised By : Jagrut Upadhyay 12/01/2022



#88

Benzo(b)fluoranthene

Concen: 5.128 ng

RT: 24.175 min Scan# 3555

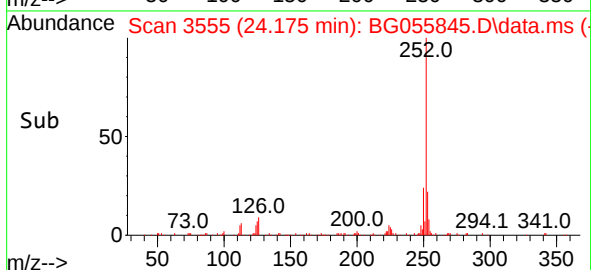
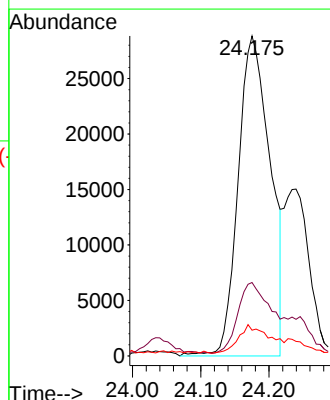
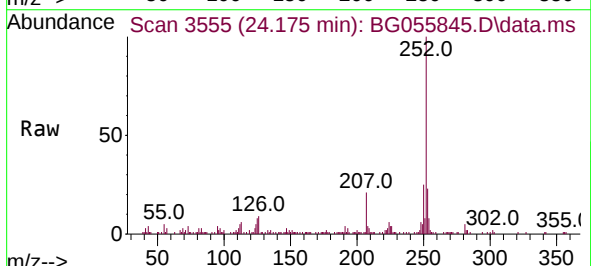
Delta R.T. -0.002 min

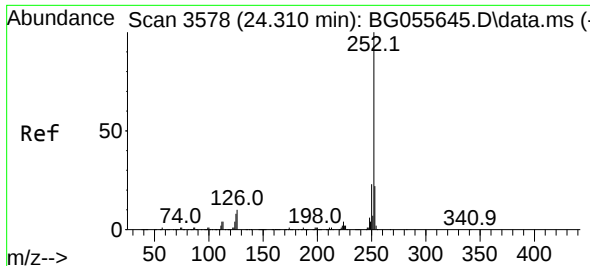
Lab File: BG055845.D

Acq: 30 Nov 2022 17:06

Tgt Ion: 252 Resp: 94078

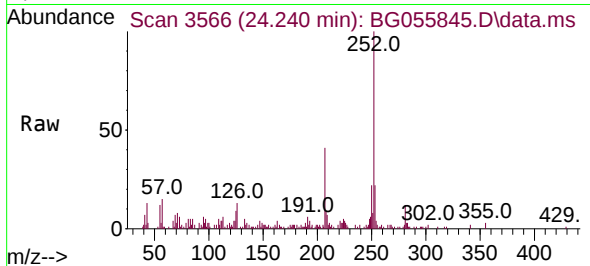
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.9  | 18.0  | 27.0  |
| 125 | 8.0   | 6.2   | 9.2   |





#89  
Benzo(k)fluoranthene  
Concen: 2.127 ng m  
RT: 24.240 min Scan# 31  
Delta R.T. -0.014 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

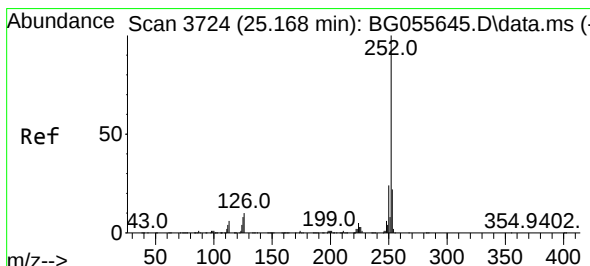
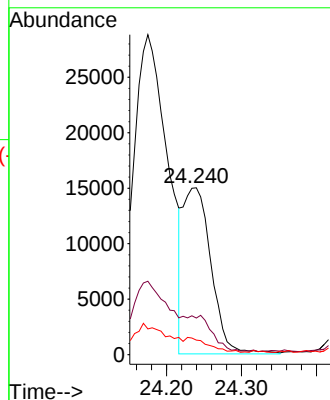
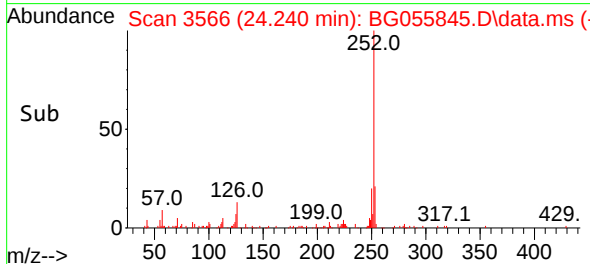
Instrument :  
BNA\_G  
ClientSampleId :  
TP-10



Tgt Ion:252 Resp: 3889  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 8.7 6.1 9.1

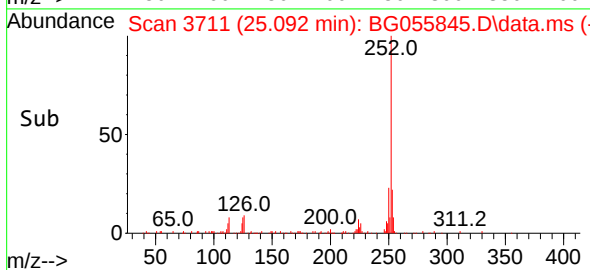
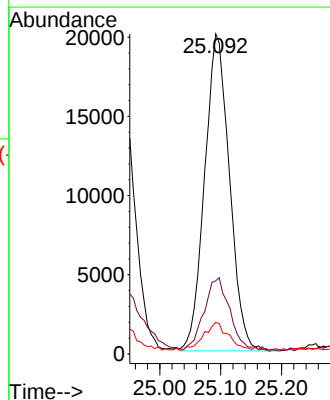
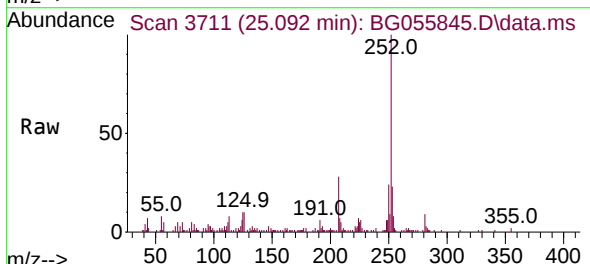
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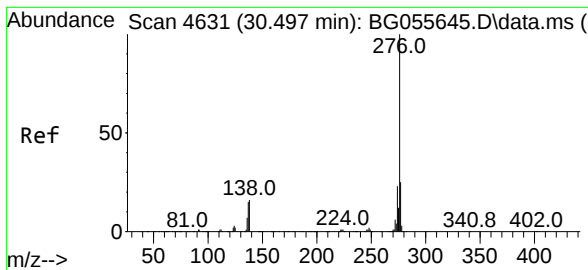
Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022



#90  
Benzo(a)pyrene  
Concen: 3.604 ng  
RT: 25.092 min Scan# 3711  
Delta R.T. -0.008 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

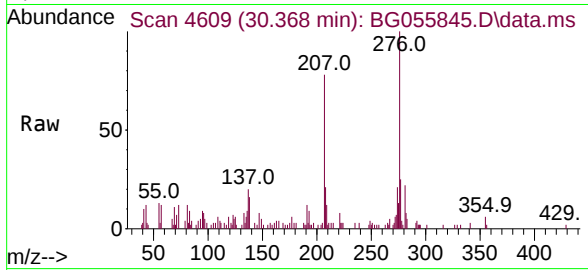
Tgt Ion:252 Resp: 56732  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.6  
125 9.8 6.4 9.6#





#92  
Benzo(g,h,i)perylene  
Concen: 2.272 ng  
RT: 30.368 min Scan# 4609  
Delta R.T. -0.031 min  
Lab File: BG055845.D  
Acq: 30 Nov 2022 17:06

Instrument :  
BNA\_G  
ClientSampleId :  
TP-10



Tgt Ion:276 Resp: 43183  
Ion Ratio Lower Upper  
276 100  
277 24.5 19.8 29.6  
138 16.4 13.1 19.7

Manual Integrations  
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Reviewed By :Christian Giraldo 12/01/2022  
Supervised By :Jagrut Upadhyay 12/01/2022

