

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010323\  
 Data File : BG056194.D  
 Acq On : 3 Jan 2023 20:26  
 Operator : CG/JU  
 Sample : N6248-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-20

Quant Time: Jan 04 02:15:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 04 02:08:15 2023  
 Response via : Initial Calibration

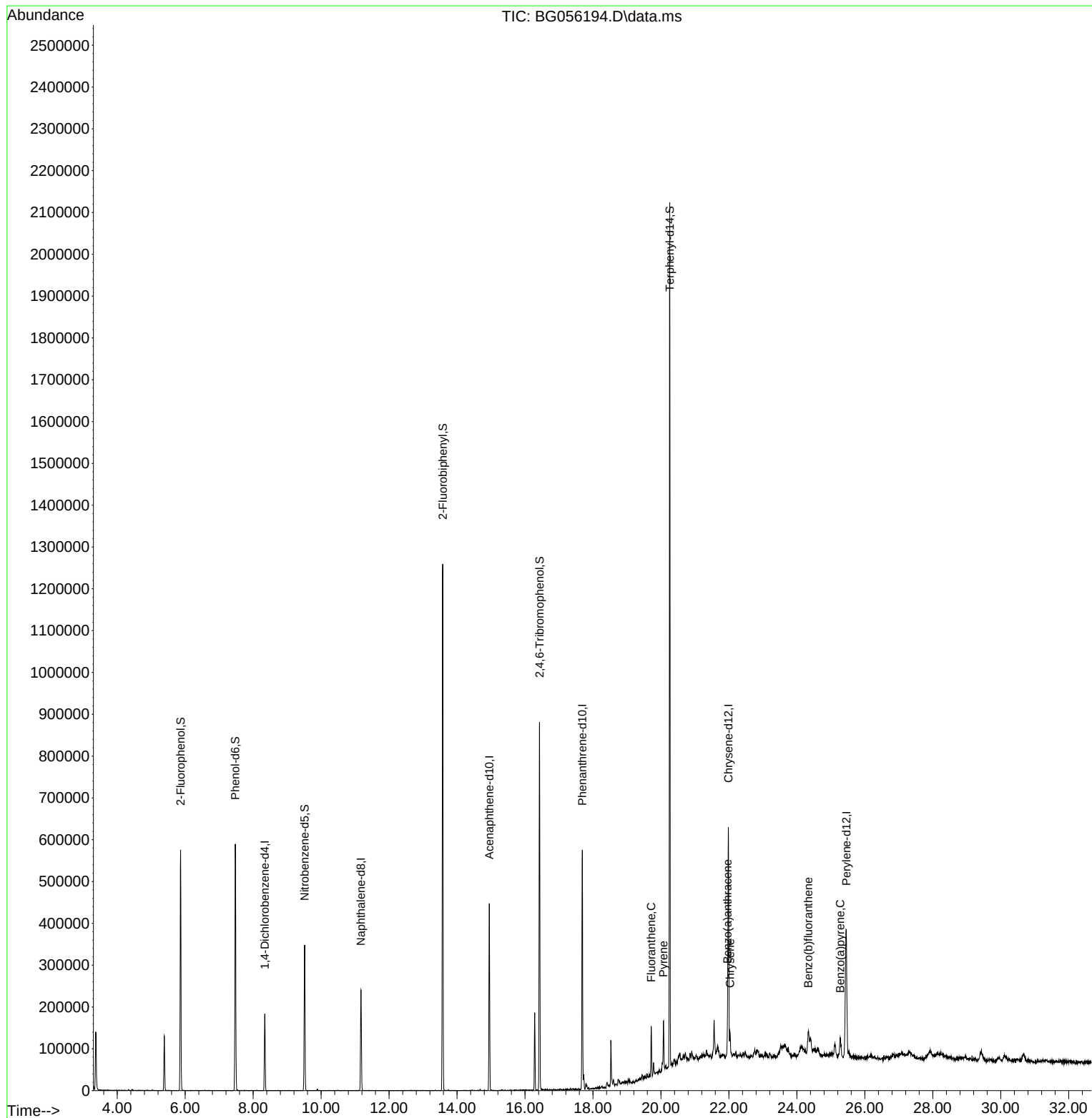
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.343  | 152  | 60605    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.169 | 136  | 226485   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.947 | 164  | 172463   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.685 | 188  | 402563   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.980 | 240  | 373487   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 25.453 | 264  | 404314   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.864  | 112  | 324593   | 95.629 | ng    | 0.02     |
| 7) Phenol-d6                | 7.474  | 99   | 454638   | 87.218 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.512  | 82   | 250858   | 56.656 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.428 | 330  | 184180   | 84.323 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.578 | 172  | 726715   | 58.188 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.259 | 244  | 1130397  | 54.208 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 19.712 | 202  | 81052    | 2.978  | ng    | 98       |
| 78) Pyrene                  | 20.071 | 202  | 83917    | 3.188  | ng    | 97       |
| 81) Benzo(a)anthracene      | 21.957 | 228  | 54248    | 2.068  | ng    | 96       |
| 83) Chrysene                | 22.033 | 228  | 49148    | 2.000  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 24.336 | 252  | 76643    | 2.984  | ng    | # 93     |
| 90) Benzo(a)pyrene          | 25.276 | 252  | 57186    | 2.282  | ng    | # 99     |
| -----                       |        |      |          |        |       |          |

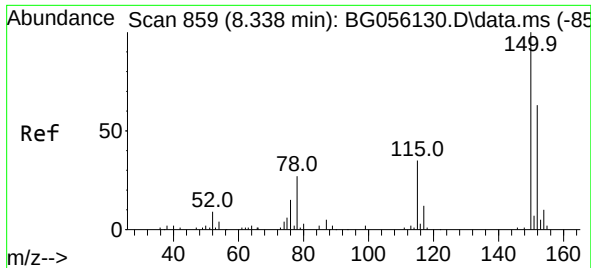
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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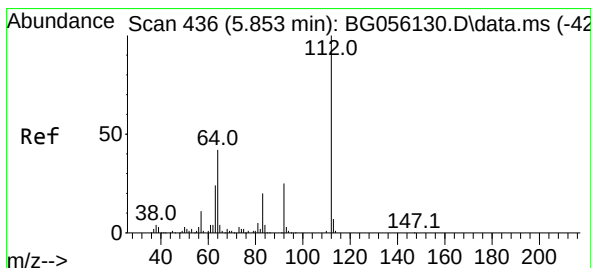
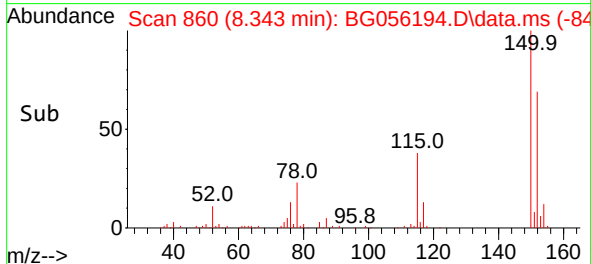
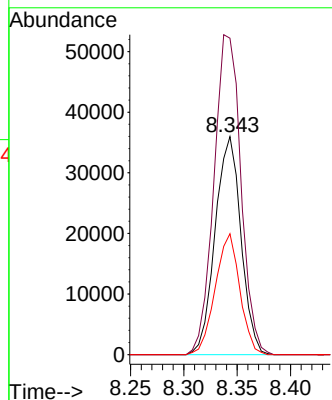
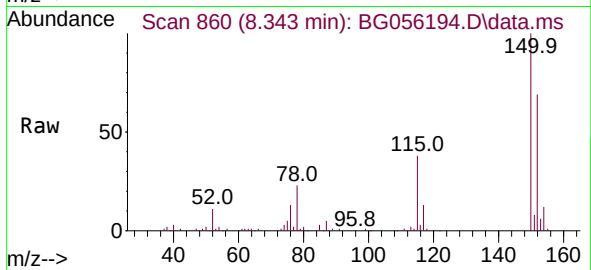




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.343 min Scan# 80  
Delta R.T. 0.005 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

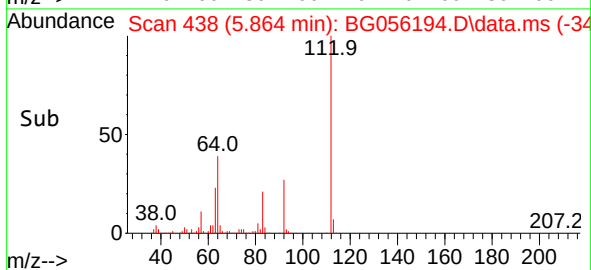
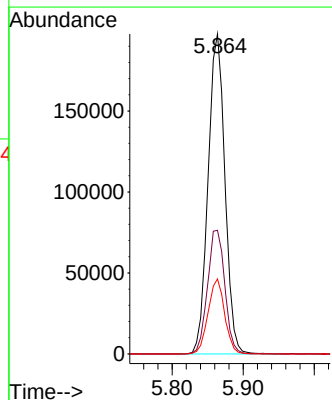
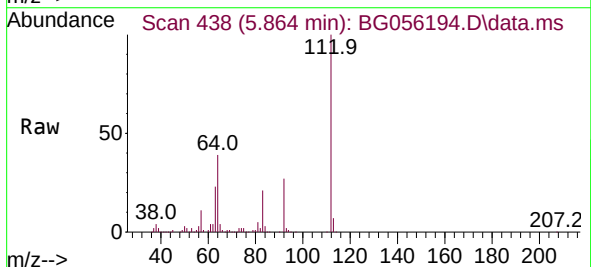
Instrument :  
BNA\_G  
ClientSampleId :  
TP-20

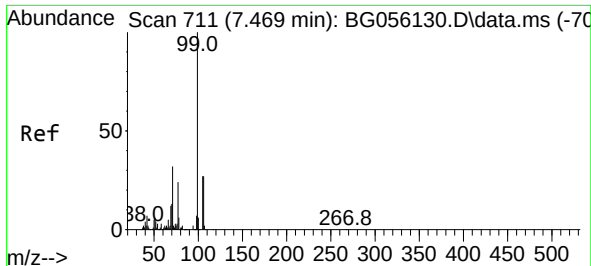
Tgt Ion:152 Resp: 60605  
Ion Ratio Lower Upper  
152 100  
150 145.1 127.9 191.9  
115 55.5 44.2 66.2



#5  
2-Fluorophenol  
Concen: 95.629 ng  
RT: 5.864 min Scan# 438  
Delta R.T. 0.017 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Tgt Ion:112 Resp: 324593  
Ion Ratio Lower Upper  
112 100  
64 38.6 33.3 49.9  
63 23.4 19.0 28.4

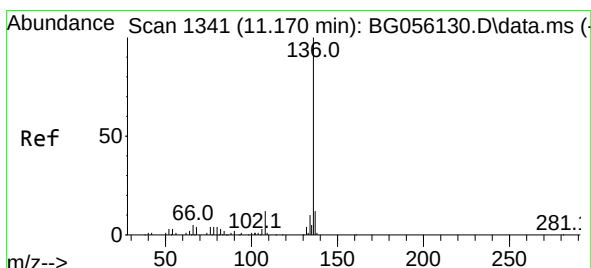
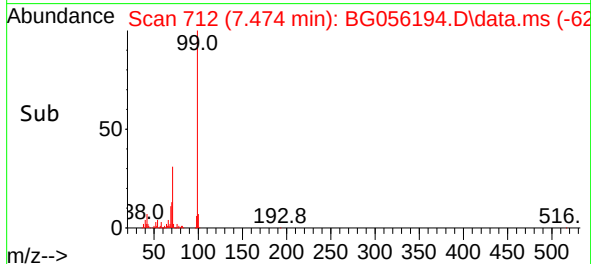
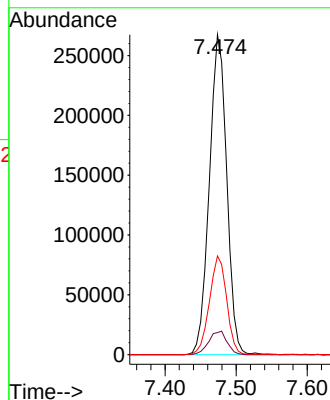
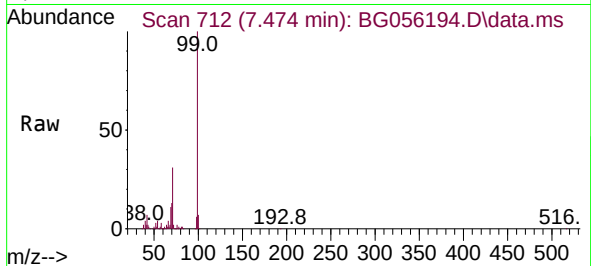




#7  
Phenol-d6  
Concen: 87.218 ng  
RT: 7.474 min Scan# 711  
Delta R.T. 0.005 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

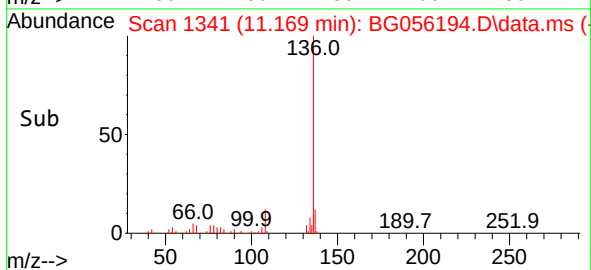
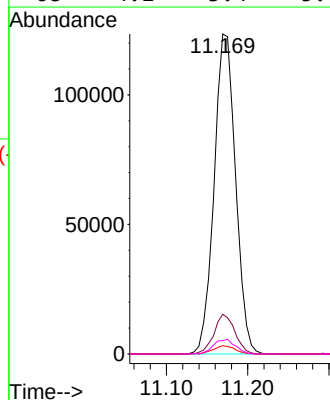
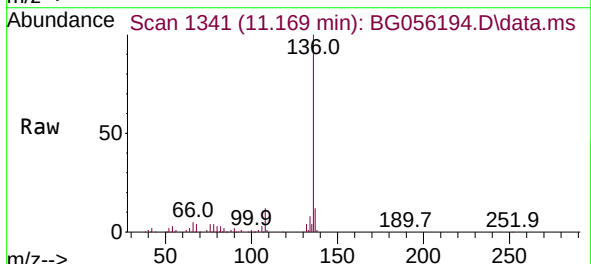
Instrument :  
BNA\_G  
ClientSampleId :  
TP-20

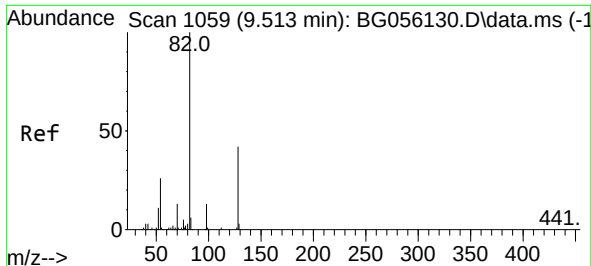
Tgt Ion: 99 Resp: 454638  
Ion Ratio Lower Upper  
99 100  
42 6.9 5.9 8.9  
71 30.8 25.4 38.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.169 min Scan# 1341  
Delta R.T. -0.001 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Tgt Ion: 136 Resp: 226485  
Ion Ratio Lower Upper  
136 100  
137 12.4 9.4 14.0  
54 2.6 2.2 3.2  
68 4.1 3.4 5.0





#23

Nitrobenzene-d5

Concen: 56.656 ng

RT: 9.512 min Scan# 1059

Delta R.T. 0.005 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA\_G

ClientSampleId :

TP-20

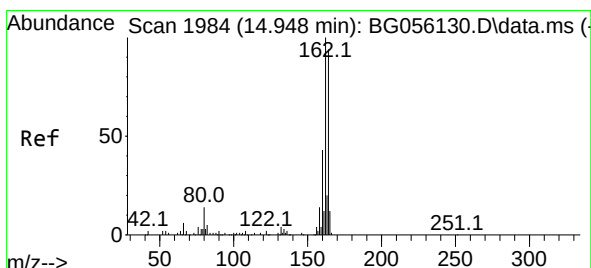
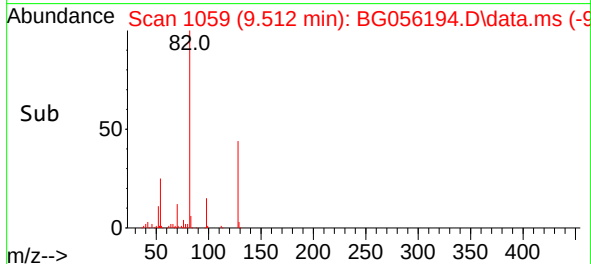
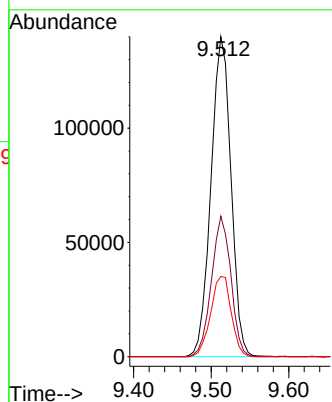
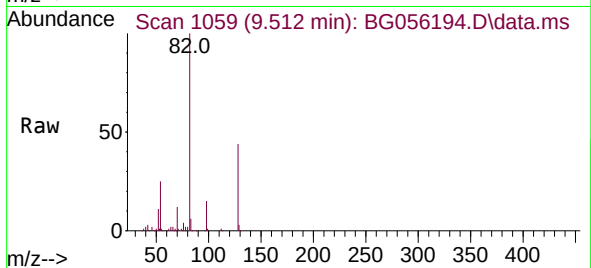
Tgt Ion: 82 Resp: 250858

Ion Ratio Lower Upper

82 100

128 43.9 33.4 50.2

54 25.0 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.947 min Scan# 1984

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

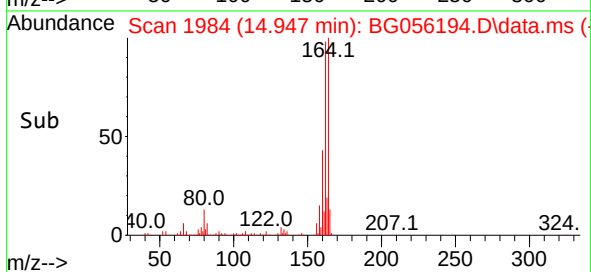
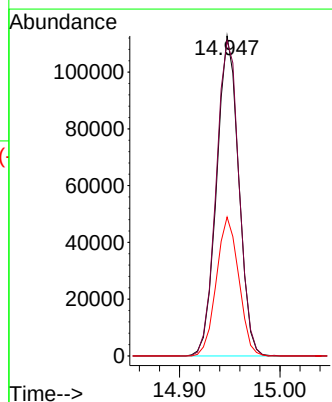
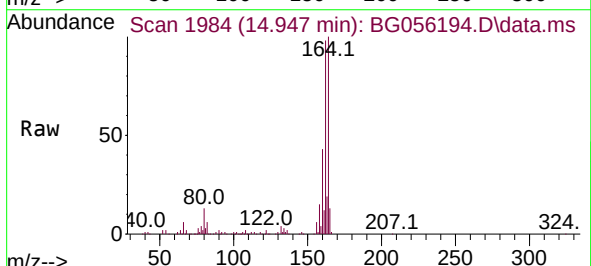
Tgt Ion: 164 Resp: 172463

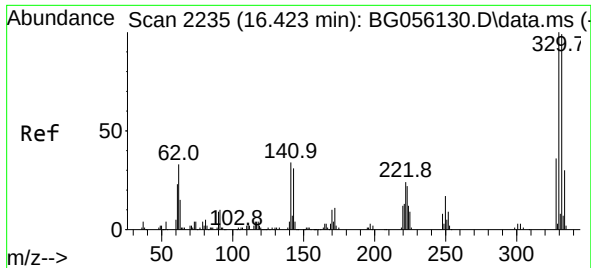
Ion Ratio Lower Upper

164 100

162 98.5 84.7 127.1

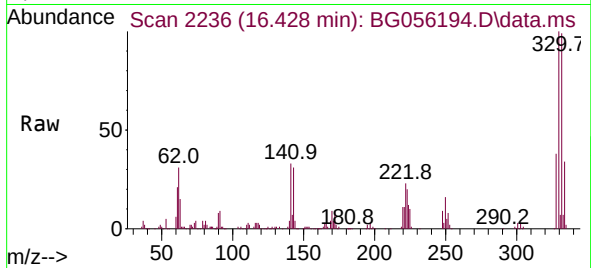
160 43.4 36.3 54.5



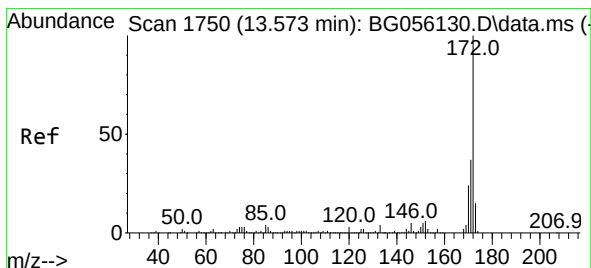
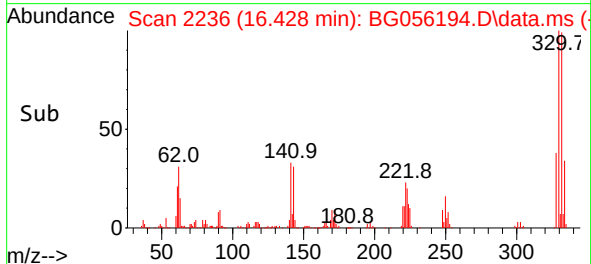
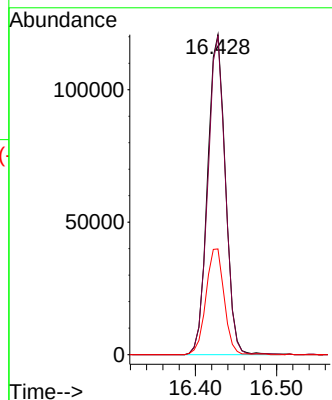


#42  
2,4,6-Tribromophenol  
Concen: 84.323 ng  
RT: 16.428 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Instrument :  
BNA\_G  
ClientSampleId :  
TP-20

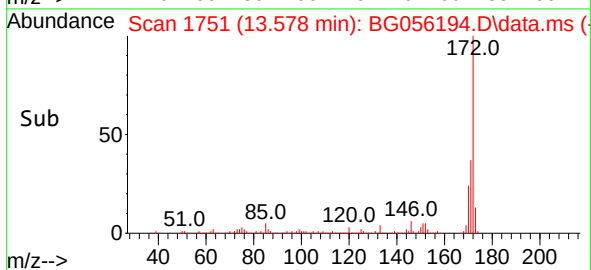
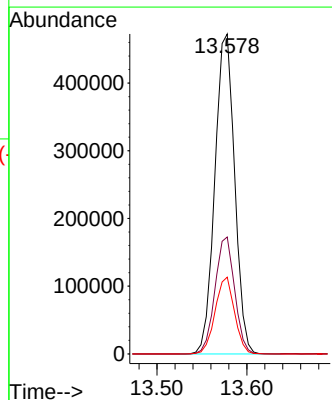
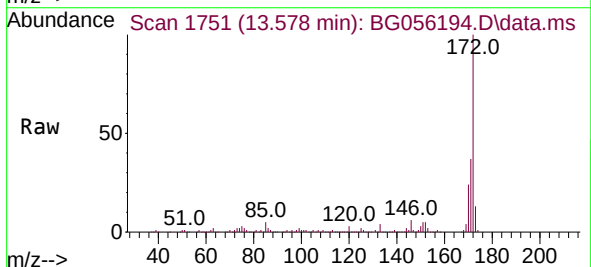


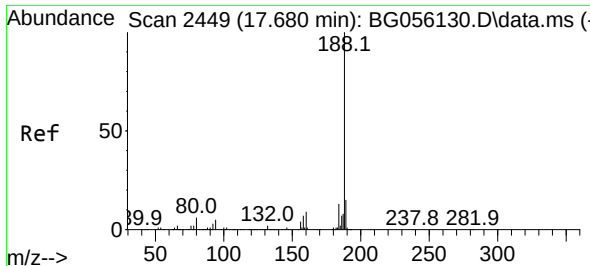
Tgt Ion:330 Resp: 184180  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.3 115.9  
141 33.7 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 58.188 ng  
RT: 13.578 min Scan# 1751  
Delta R.T. -0.001 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Tgt Ion:172 Resp: 726715  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 24.0 19.4 29.2

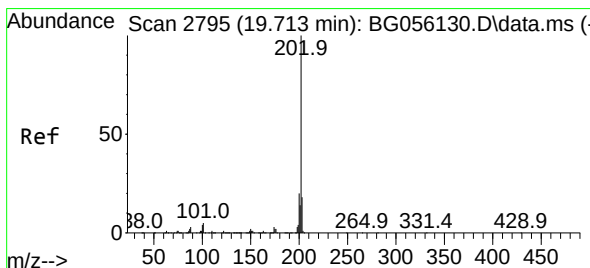
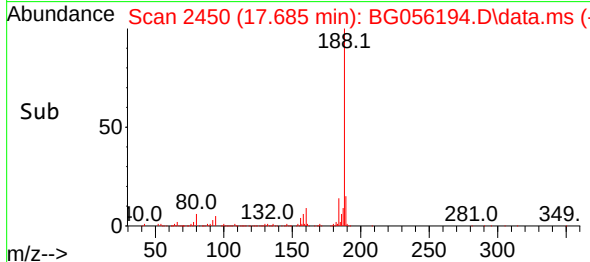
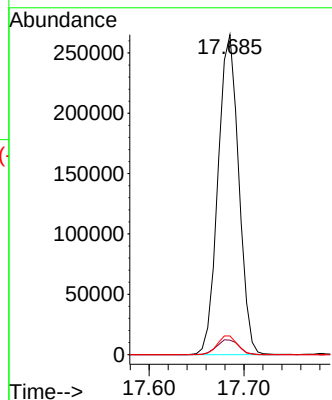
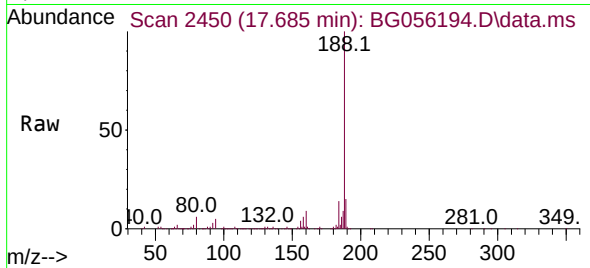




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.685 min Scan# 2449  
Delta R.T. -0.001 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

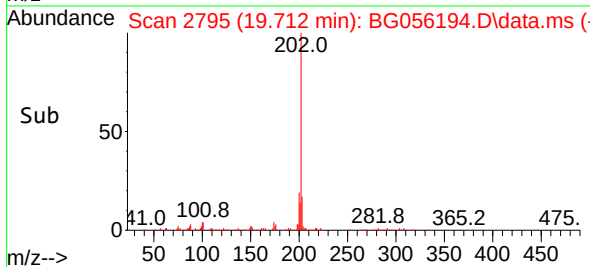
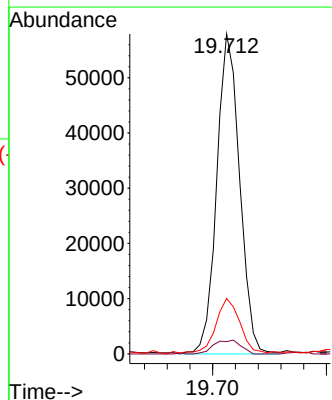
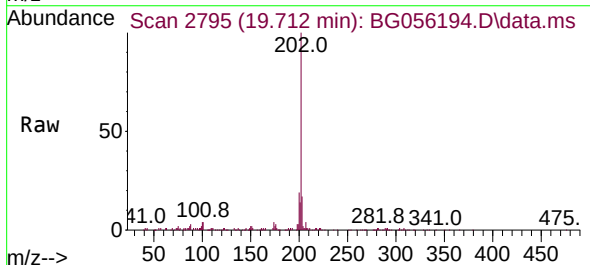
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BNA\_G  
ClientSampleId :  
TP-20

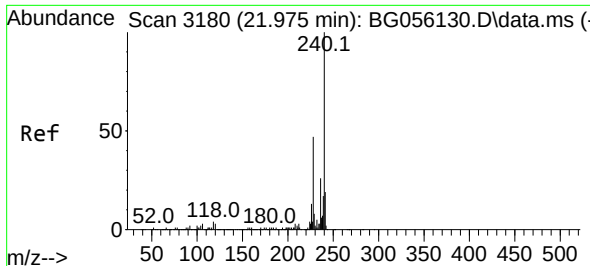
Tgt Ion:188 Resp: 402563  
Ion Ratio Lower Upper  
188 100  
94 4.5 4.2 6.2  
80 5.8 5.0 7.4



#75  
Fluoranthene  
Concen: 2.978 ng  
RT: 19.712 min Scan# 2795  
Delta R.T. -0.007 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Tgt Ion:202 Resp: 81052  
Ion Ratio Lower Upper  
202 100  
101 3.8 0.0 25.0  
203 17.4 0.0 38.0

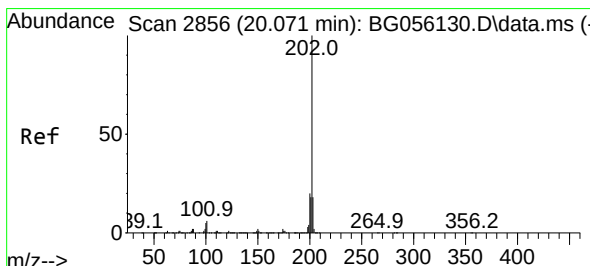
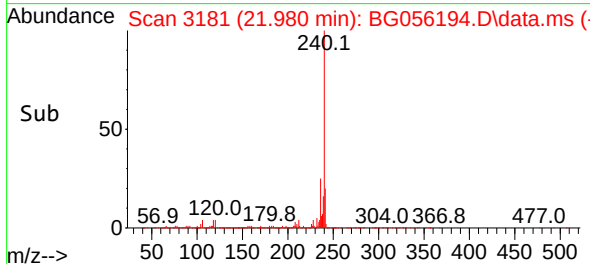
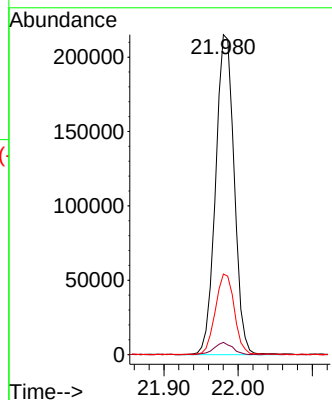
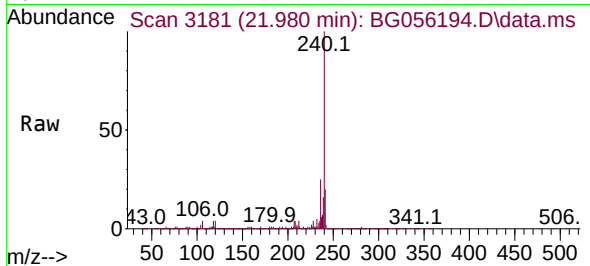




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.980 min Scan# 3180  
Delta R.T. -0.007 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

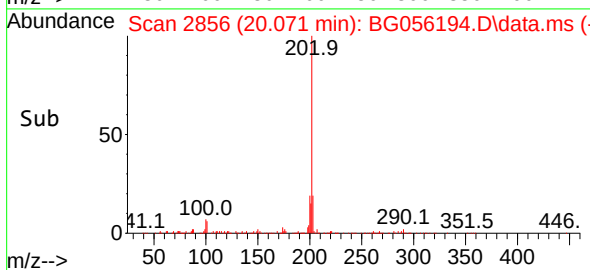
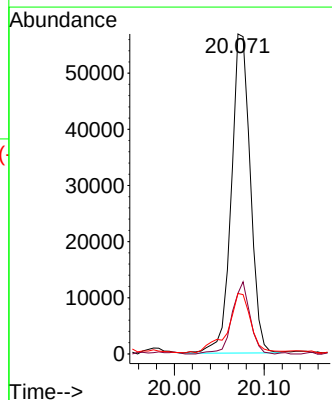
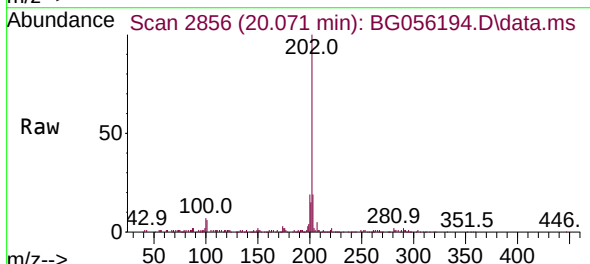
Instrument :  
BNA\_G  
ClientSampleId :  
TP-20

Tgt Ion:240 Resp: 373487  
Ion Ratio Lower Upper  
240 100  
120 3.8 2.6 4.0  
236 25.2 20.8 31.2

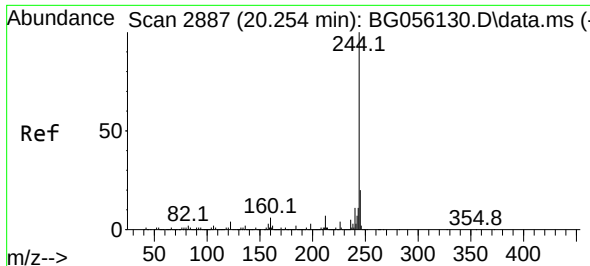


#78  
Pyrene  
Concen: 3.188 ng  
RT: 20.071 min Scan# 2856  
Delta R.T. -0.007 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

Tgt Ion:202 Resp: 83917  
Ion Ratio Lower Upper  
202 100  
200 18.9 16.4 24.6  
203 18.9 14.3 21.5







#79

Terphenyl-d14

Concen: 54.208 ng

RT: 20.259 min Scan# 2888

Delta R.T. -0.001 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA\_G

ClientSampleId :

TP-20

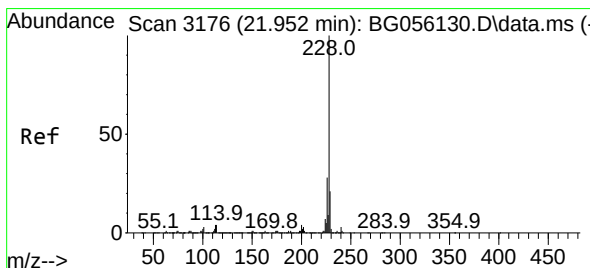
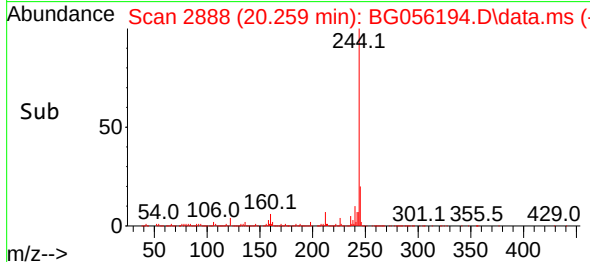
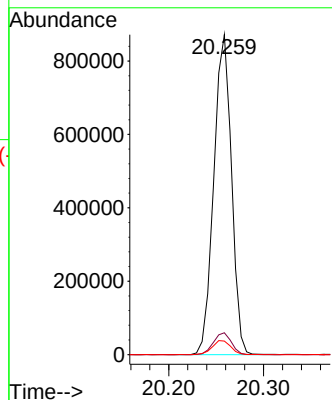
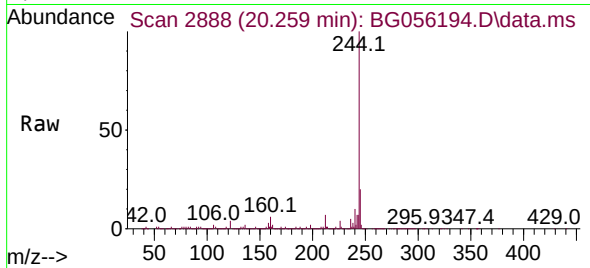
Tgt Ion:244 Resp: 1130397

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 4.2 3.5 5.3



#81

Benzo(a)anthracene

Concen: 2.068 ng

RT: 21.957 min Scan# 3177

Delta R.T. -0.007 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

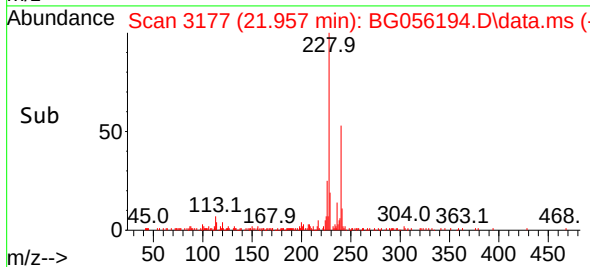
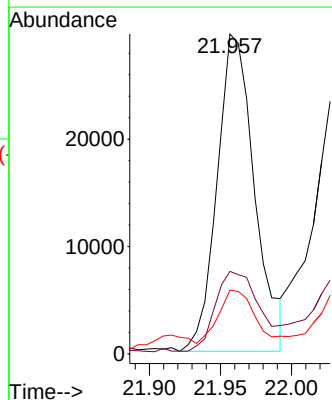
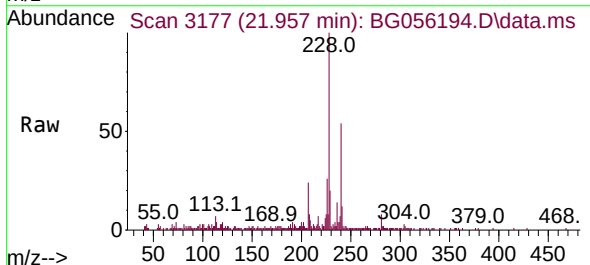
Tgt Ion:228 Resp: 54248

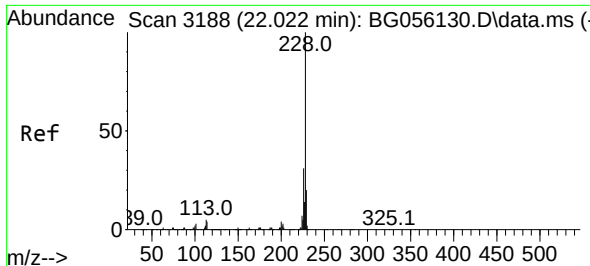
Ion Ratio Lower Upper

228 100

226 25.8 22.6 34.0

229 19.9 16.9 25.3

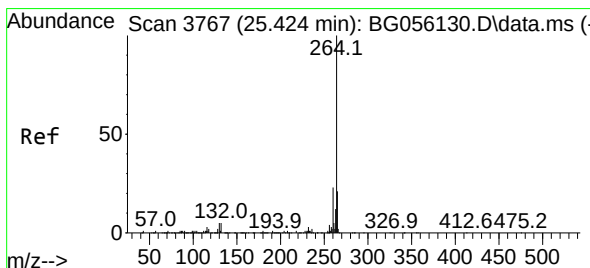
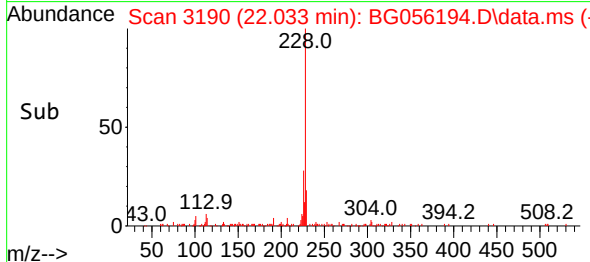
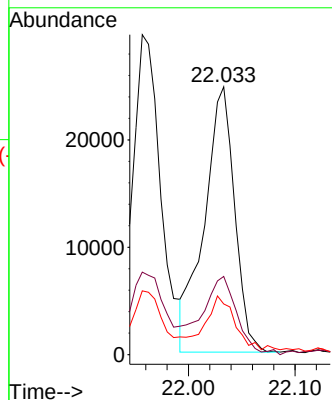
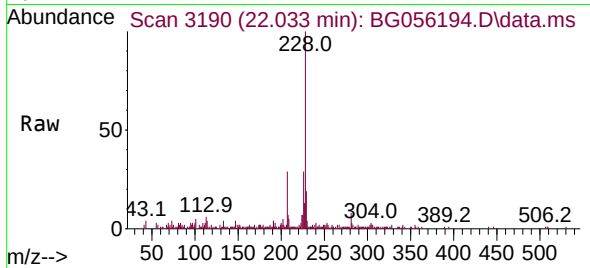




#83  
Chrysene  
Concen: 2.000 ng  
RT: 22.033 min Scan# 3188  
Delta R.T. -0.001 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

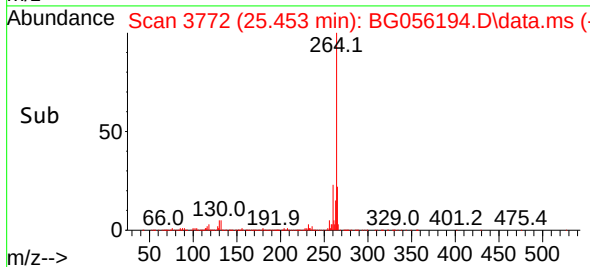
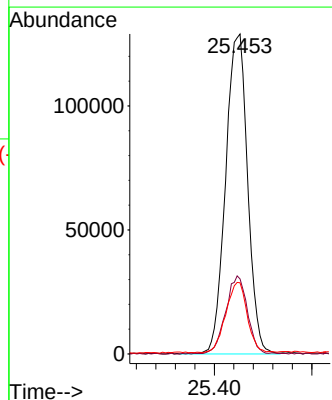
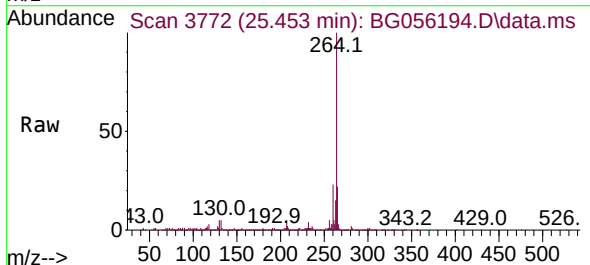
Instrument :  
BNA\_G  
ClientSampleId :  
TP-20

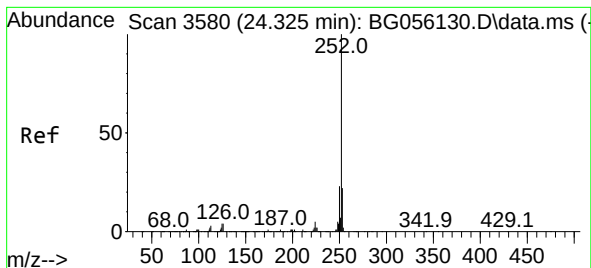
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 49148     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.2  | 24.6 36.8 |
| 229         | 18.9  | 15.8 23.6 |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.453 min Scan# 3772  
Delta R.T. 0.005 min  
Lab File: BG056194.D  
Acq: 3 Jan 2023 20:26

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 404314    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.4  | 18.6 28.0 |
| 265         | 22.2  | 16.7 25.1 |





#88

Benzo(b)fluoranthene

Concen: 2.984 ng

RT: 24.336 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Instrument :

BNA\_G

ClientSampleId :

TP-20

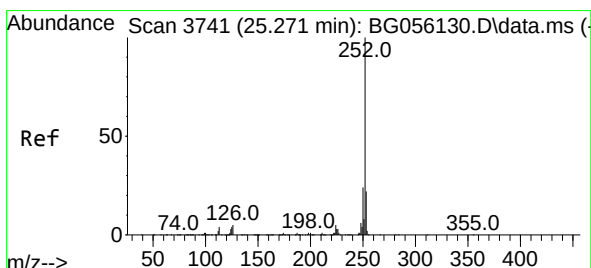
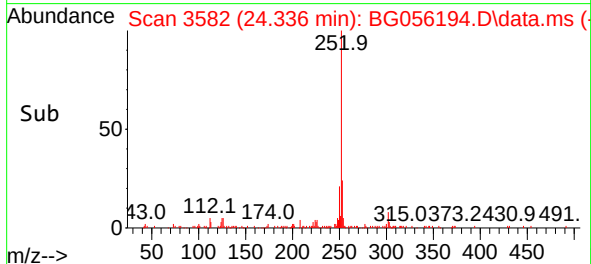
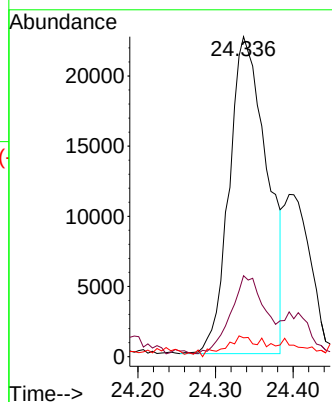
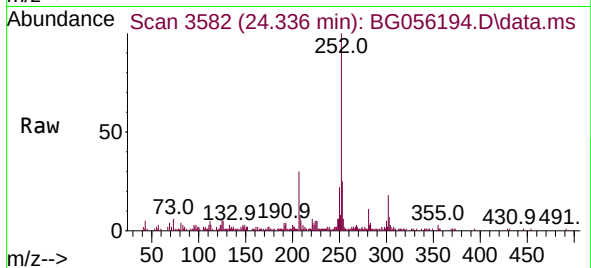
Tgt Ion:252 Resp: 76643

Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.2

125 5.9 3.0 4.4#



#90

Benzo(a)pyrene

Concen: 2.282 ng

RT: 25.276 min Scan# 3742

Delta R.T. -0.007 min

Lab File: BG056194.D

Acq: 3 Jan 2023 20:26

Tgt Ion:252 Resp: 57186

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 6.3 3.2 4.8#

