

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031122\  
 Data File : BG052655.D  
 Acq On : 11 Mar 2022 20:10  
 Operator : CG/JU  
 Sample : N1845-01 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-1

Quant Time: Mar 12 06:17:13 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 10 06:37:54 2022  
 Response via : Initial Calibration

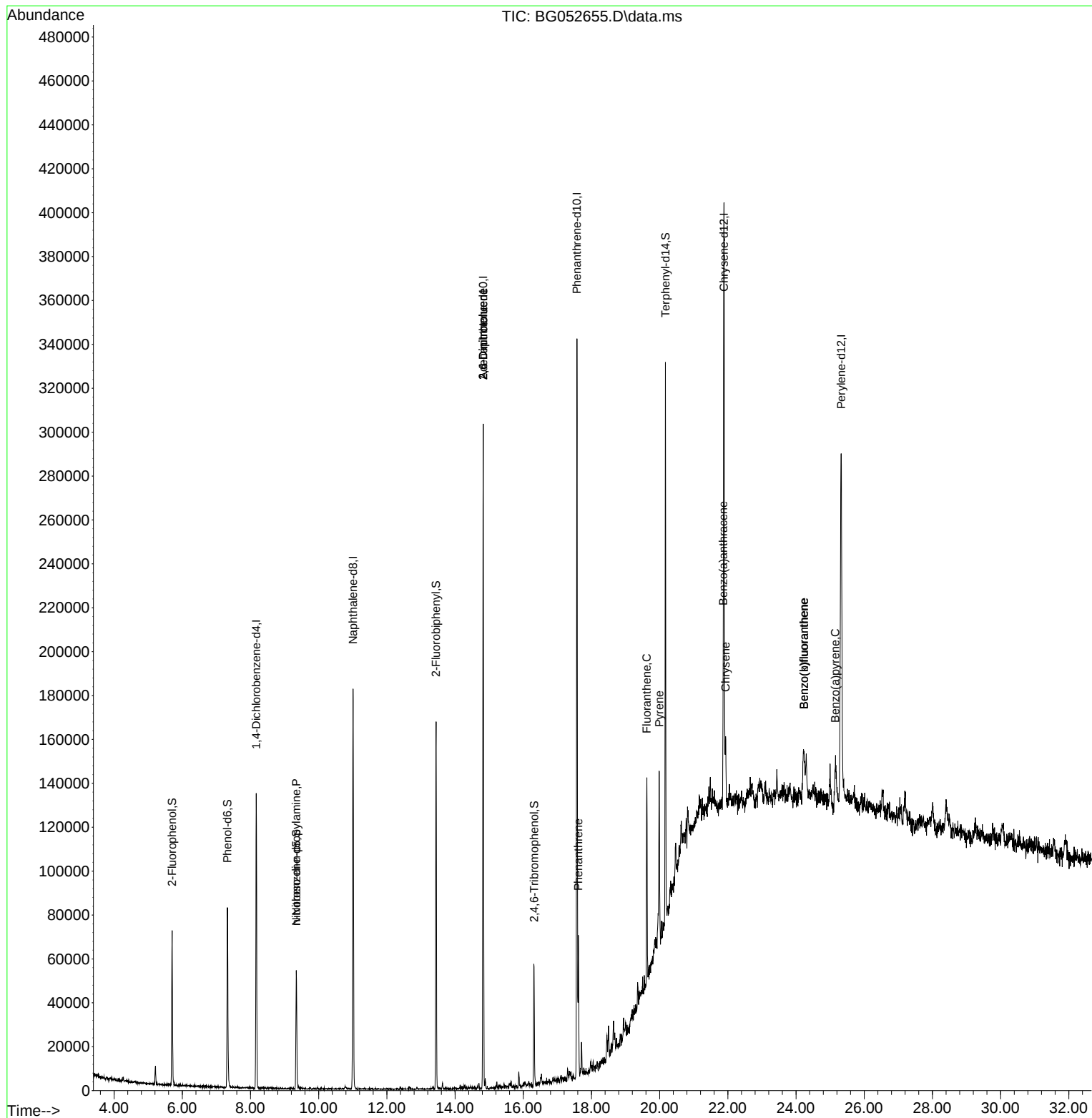
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.169  | 152  | 40628    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.007 | 136  | 164161   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.825 | 164  | 108017   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.574 | 188  | 220124   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.886 | 240  | 178074   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.323 | 264  | 190633   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.702  | 112  | 32824    | 13.957 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.323  | 99   | 51985    | 15.273 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.344  | 82   | 37360    | 10.317 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.317 | 330  | 12587    | 8.216  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.445 | 172  | 95466    | 11.929 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.171 | 244  | 123682   | 12.290 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.344  | 70   | 4868     | 2.113  | ng    | # 73     |
| 51) 2,6-Dinitrotoluene        | 14.825 | 165  | 15008    | 8.369  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 14.825 | 165  | 15008    | 5.946  | ng    | # 25     |
| 71) Phenanthrene              | 17.615 | 178  | 39746    | 3.441  | ng    | 99       |
| 75) Fluoranthene              | 19.624 | 202  | 62084    | 4.305  | ng    | 98       |
| 78) Pyrene                    | 19.989 | 202  | 53242    | 4.473  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.863 | 228  | 26882    | 2.253  | ng    | 96       |
| 83) Chrysene                  | 21.933 | 228  | 25100    | 2.250  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 24.230 | 252  | 34506    | 2.932  | ng    | # 86     |
| 89) Benzo(k)fluoranthene      | 24.230 | 252  | 34506    | 2.915  | ng    | # 86     |
| 90) Benzo(a)pyrene            | 25.152 | 252  | 22329    | 2.242  | ng    | # 85     |
| -----                         |        |      |          |        |       |          |

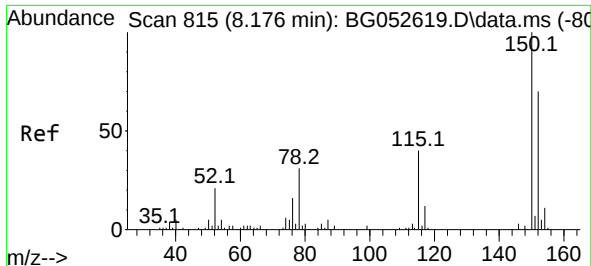
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031122\  
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Sample : N1845-01 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
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SAMPLE-1

Quant Time: Mar 12 06:17:13 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 10 06:37:54 2022  
Response via : Initial Calibration

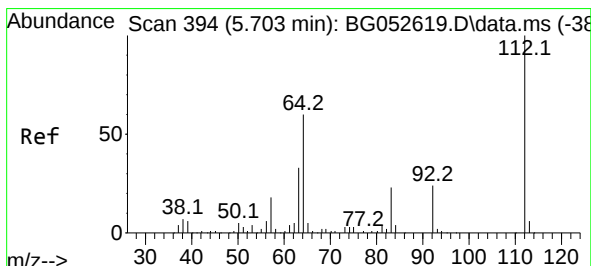
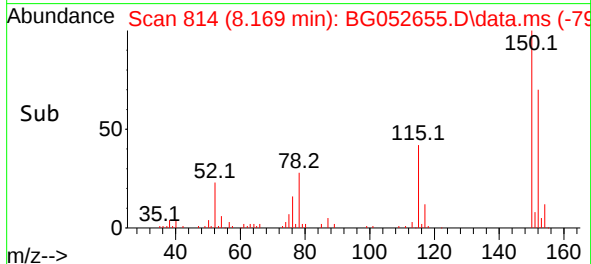
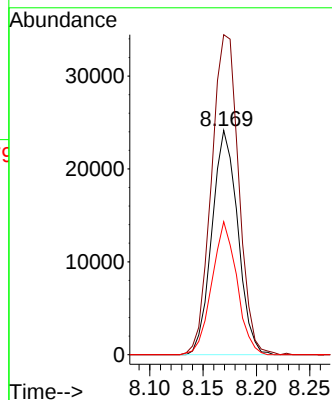
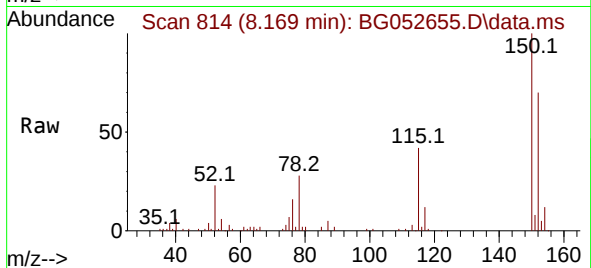




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.169 min Scan# 815  
Delta R.T. -0.007 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

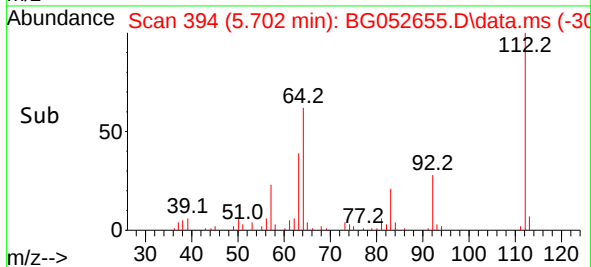
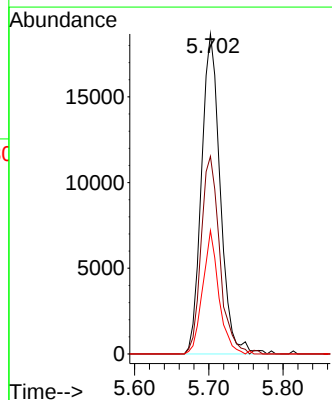
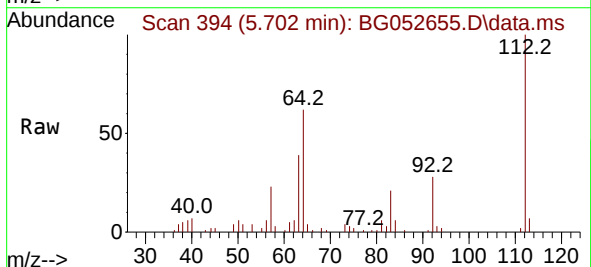
Instrument :  
BNA\_G  
ClientSampleId :  
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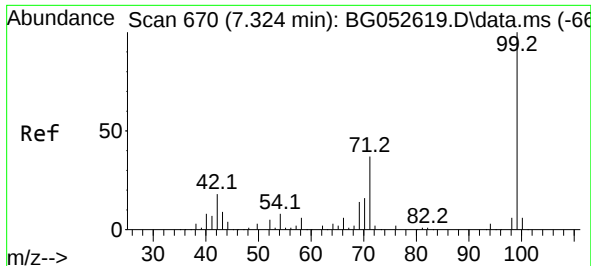
Tgt Ion:152 Resp: 40628  
Ion Ratio Lower Upper  
152 100  
150 142.7 114.6 172.0  
115 59.3 45.9 68.9



#5  
2-Fluorophenol  
Concen: 13.957 ng  
RT: 5.702 min Scan# 394  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:112 Resp: 32824  
Ion Ratio Lower Upper  
112 100  
64 61.7 48.0 72.0  
63 38.6 26.5 39.7

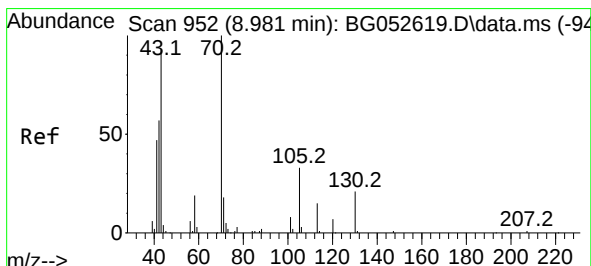
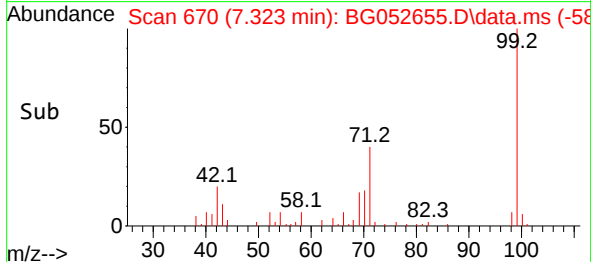
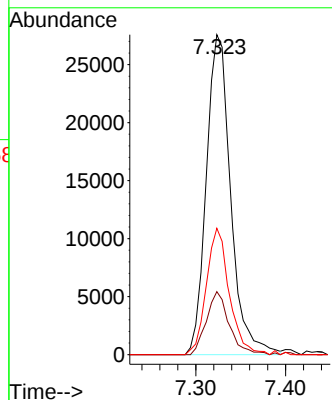
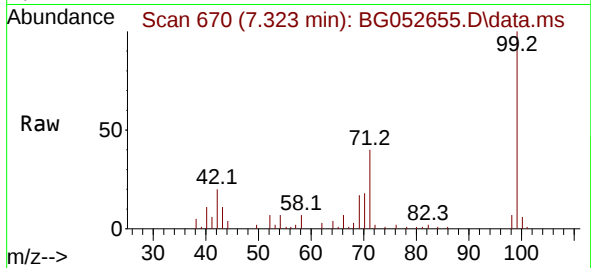




#7  
Phenol-d6  
Concen: 15.273 ng  
RT: 7.323 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

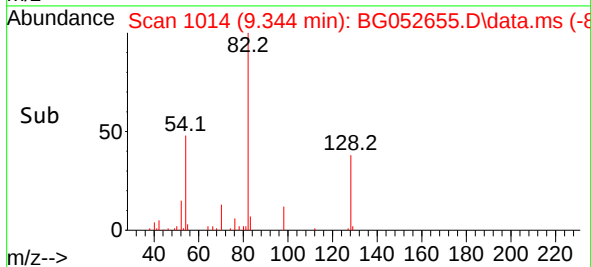
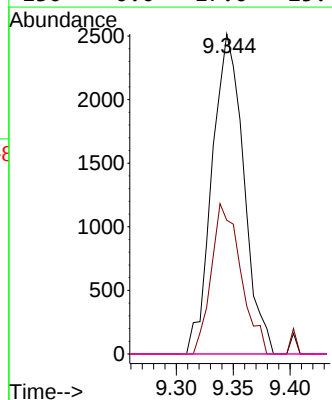
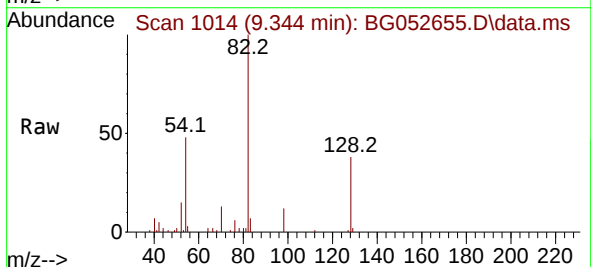
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

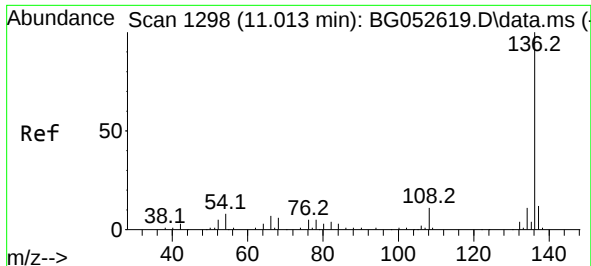
Tgt Ion: 99 Resp: 51985  
Ion Ratio Lower Upper  
99 100  
42 19.7 14.7 22.1  
71 39.5 29.2 43.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.113 ng  
RT: 9.344 min Scan# 1014  
Delta R.T. 0.363 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion: 70 Resp: 4868  
Ion Ratio Lower Upper  
70 100  
42 41.8 46.0 69.0#  
101 0.0 6.2 9.4#  
130 0.0 17.0 25.4#

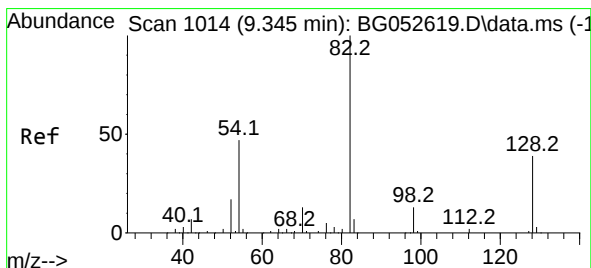
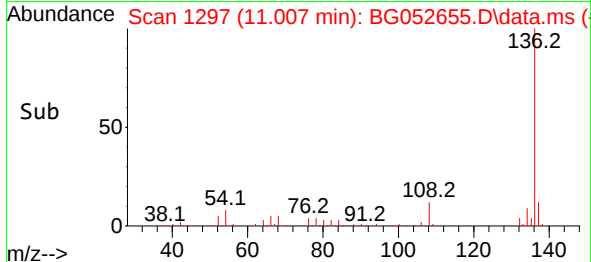
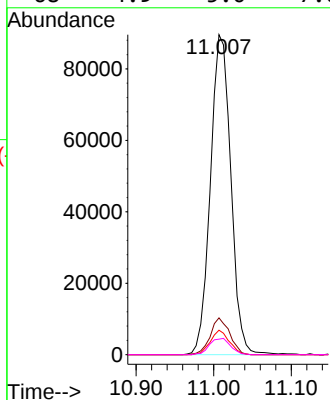
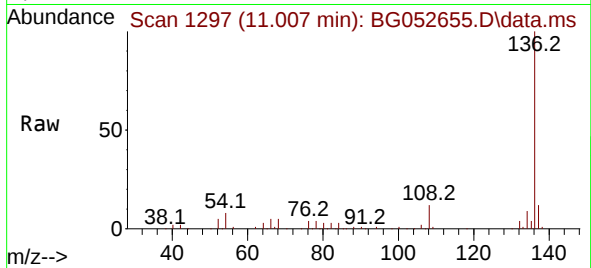




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.007 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

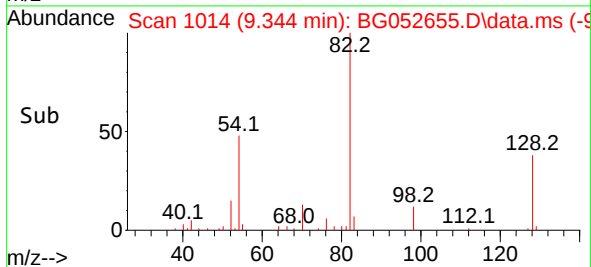
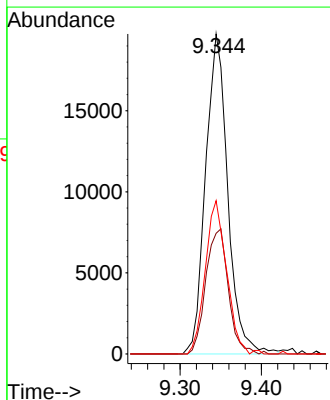
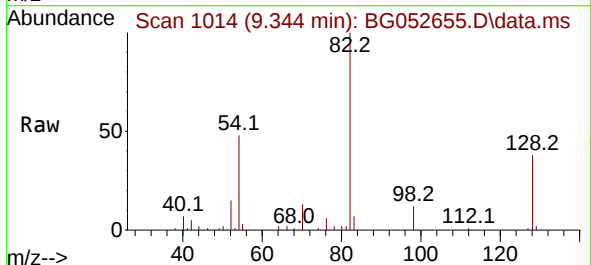
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

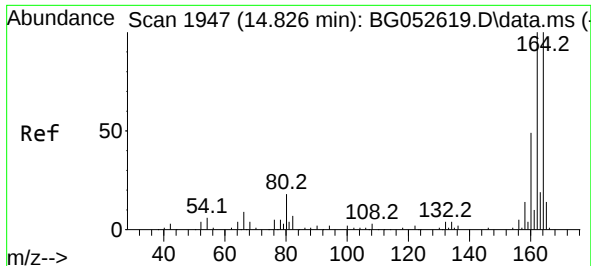
Tgt Ion:136 Resp: 164161  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.4 14.2  
54 7.7 6.4 9.6  
68 4.9 5.0 7.6#



#23  
Nitrobenzene-d5  
Concen: 10.317 ng  
RT: 9.344 min Scan# 1014  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion: 82 Resp: 37360  
Ion Ratio Lower Upper  
82 100  
128 37.7 31.3 46.9  
54 47.9 37.8 56.8

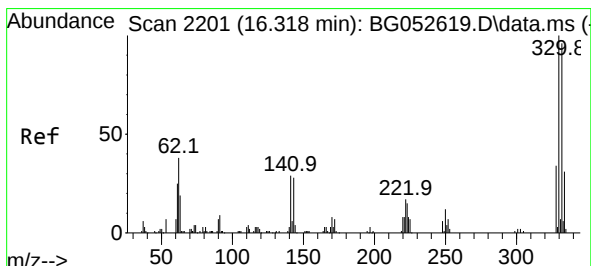
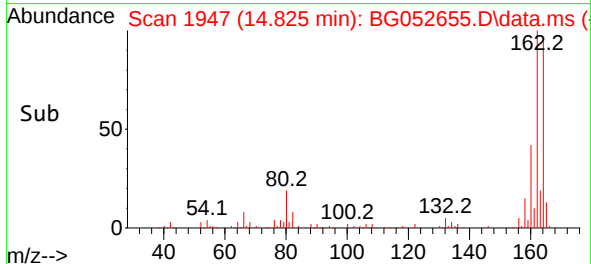
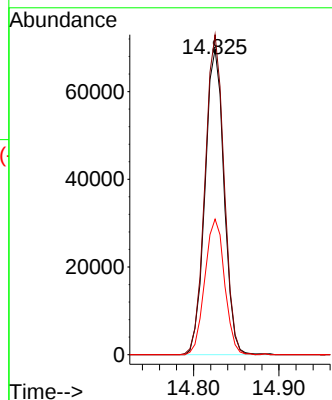
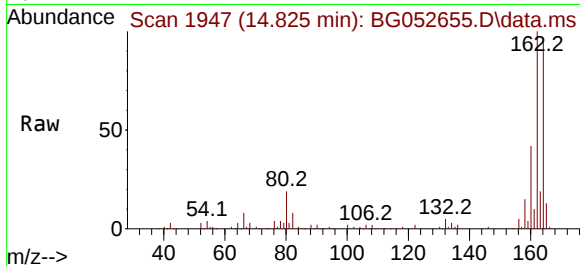




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.825 min Scan# 1947  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

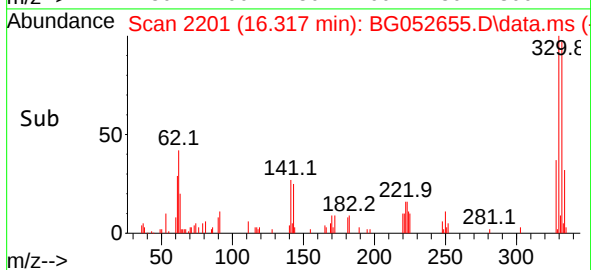
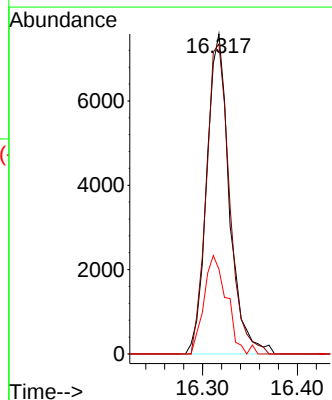
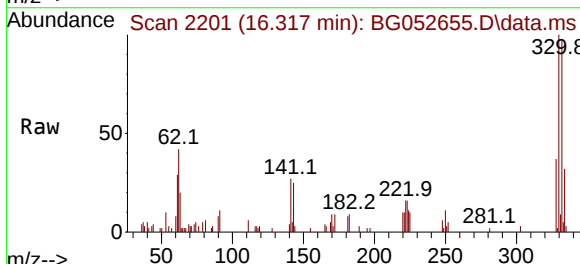
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

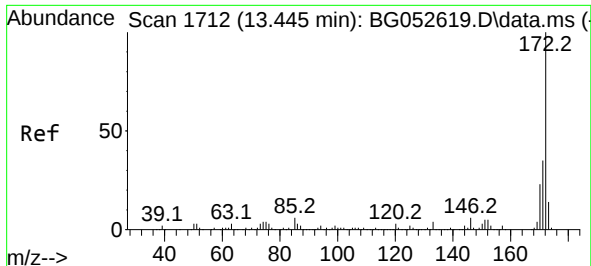
Tgt Ion:164 Resp: 108017  
Ion Ratio Lower Upper  
164 100  
162 104.8 80.0 120.0  
160 44.4 38.8 58.2



#42  
2,4,6-Tribromophenol  
Concen: 8.216 ng  
RT: 16.317 min Scan# 2201  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:330 Resp: 12587  
Ion Ratio Lower Upper  
330 100  
332 99.2 75.8 113.6  
141 31.0 24.6 36.8

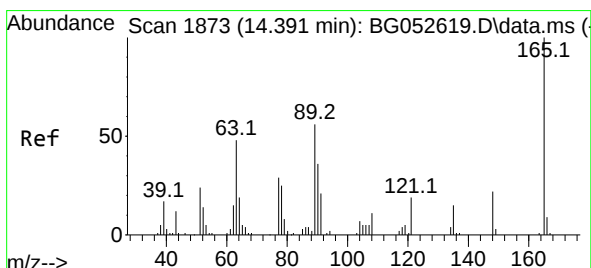
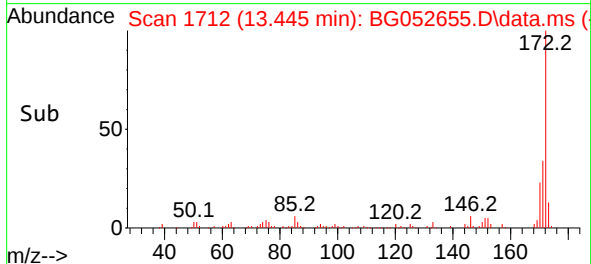
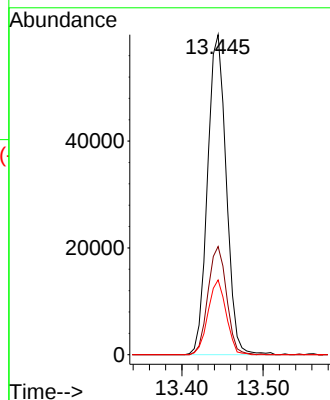
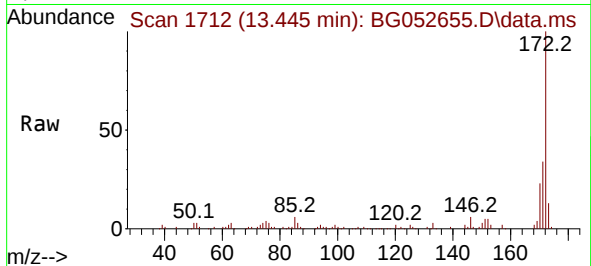




#45  
2-Fluorobiphenyl  
Concen: 11.929 ng  
RT: 13.445 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

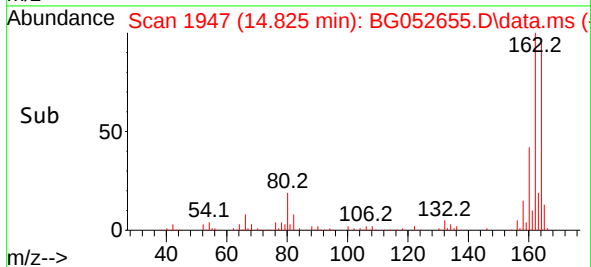
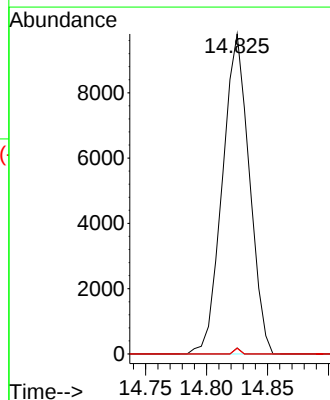
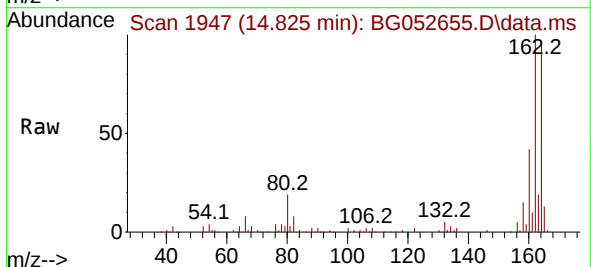
Instrument :  
BNA\_G  
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SAMPLE-1

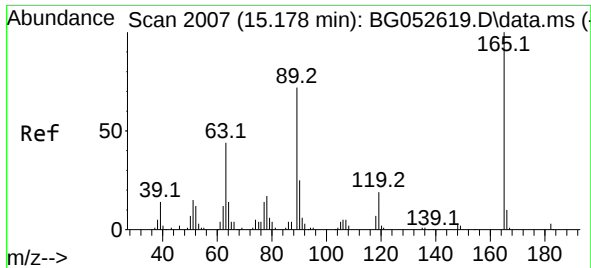
Tgt Ion:172 Resp: 95466  
Ion Ratio Lower Upper  
172 100  
171 33.8 28.3 42.5  
170 23.4 18.0 27.0



#51  
2,6-Dinitrotoluene  
Concen: 8.369 ng  
RT: 14.825 min Scan# 1947  
Delta R.T. 0.434 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:165 Resp: 15008  
Ion Ratio Lower Upper  
165 100  
63 1.9 43.7 65.5#  
89 1.8 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.946 ng

RT: 14.825 min Scan# 1947

Delta R.T. -0.353 min

Lab File: BG052655.D

Acq: 11 Mar 2022 20:10

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-1

Tgt Ion:165 Resp: 15008

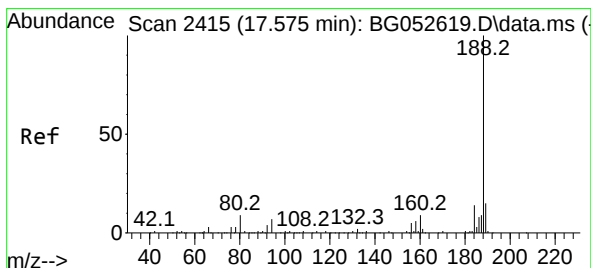
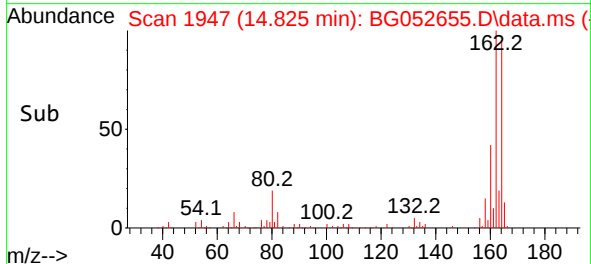
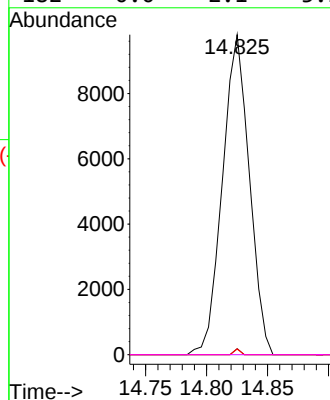
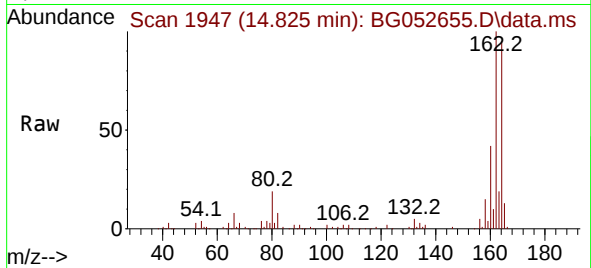
Ion Ratio Lower Upper

165 100

63 1.9 34.8 52.2#

89 1.8 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.574 min Scan# 2415

Delta R.T. -0.001 min

Lab File: BG052655.D

Acq: 11 Mar 2022 20:10

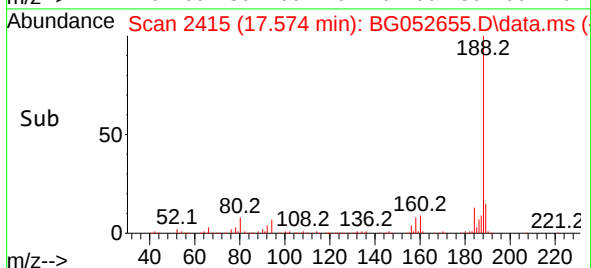
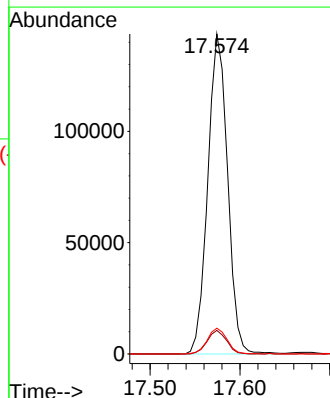
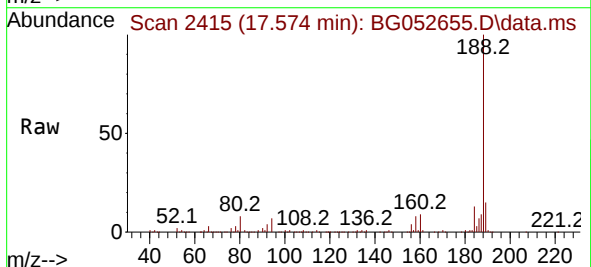
Tgt Ion:188 Resp: 220124

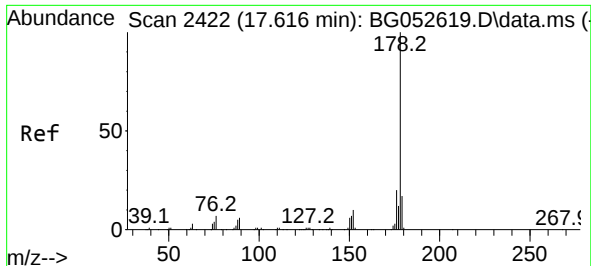
Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

80 8.0 7.2 10.8

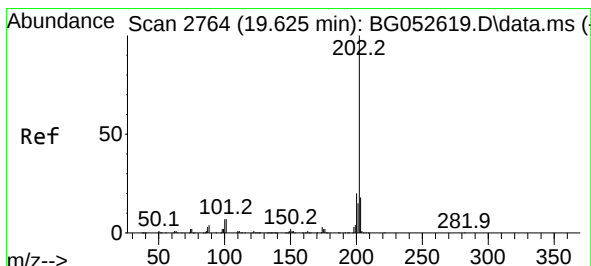
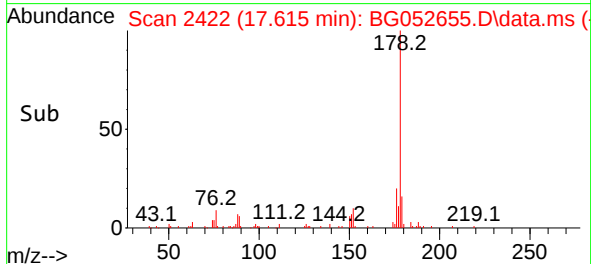
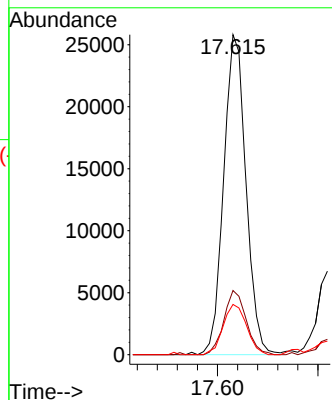
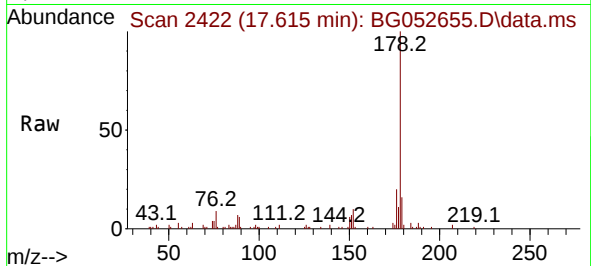




#71  
Phenanthrene  
Concen: 3.441 ng  
RT: 17.615 min Scan# 2422  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

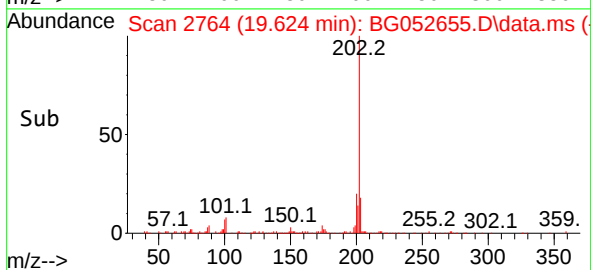
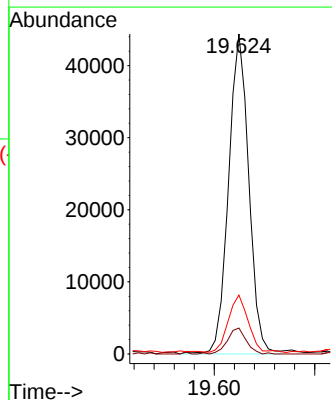
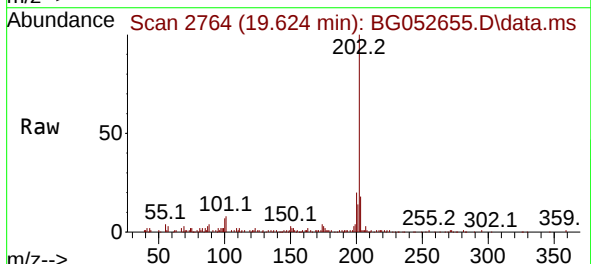
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

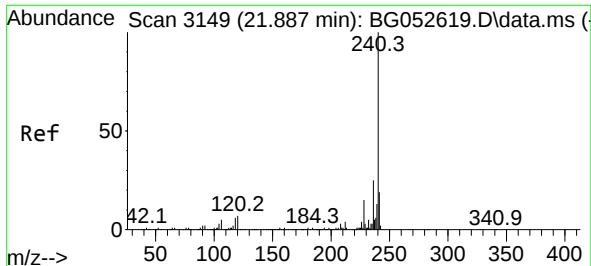
Tgt Ion:178 Resp: 39746  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.9 23.9  
179 15.7 13.4 20.2



#75  
Fluoranthene  
Concen: 4.305 ng  
RT: 19.624 min Scan# 2764  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:202 Resp: 62084  
Ion Ratio Lower Upper  
202 100  
101 8.1 0.0 27.3  
203 18.4 0.0 37.7

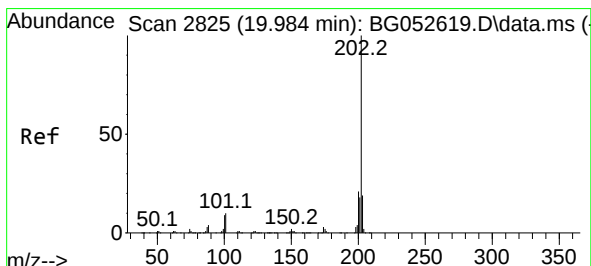
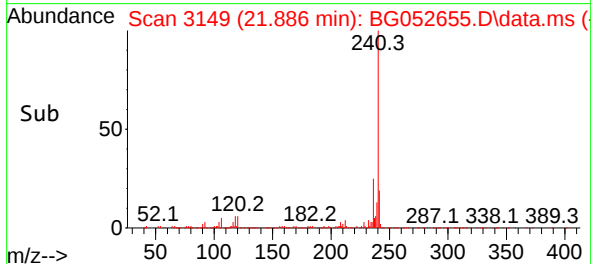
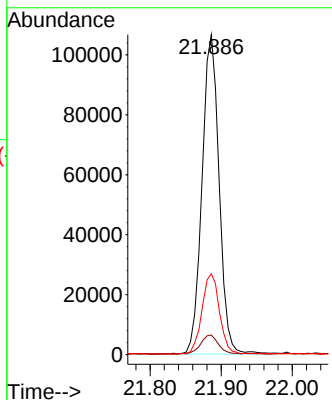
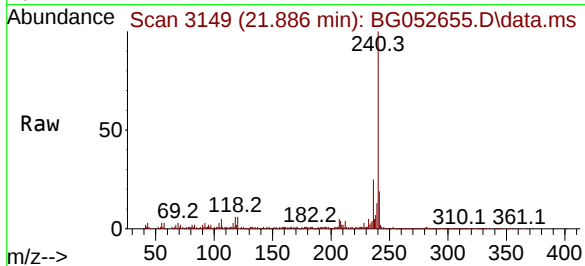




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.886 min Scan# 3149  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

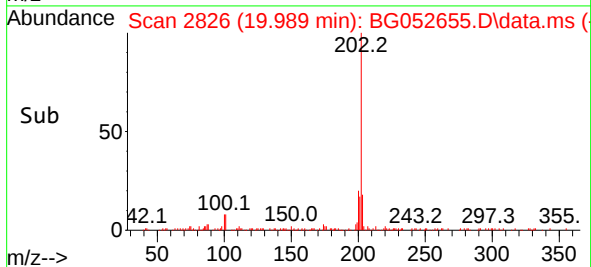
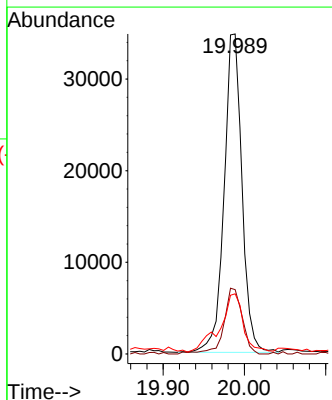
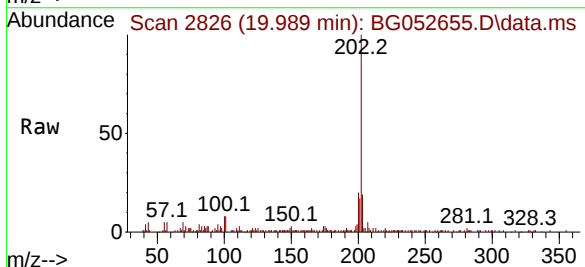
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

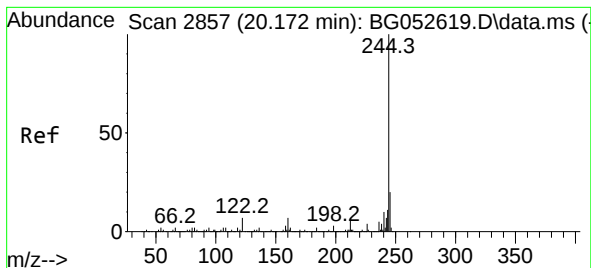
Tgt Ion:240 Resp: 178074  
Ion Ratio Lower Upper  
240 100  
120 6.1 5.4 8.0  
236 25.3 19.8 29.6



#78  
Pyrene  
Concen: 4.473 ng  
RT: 19.989 min Scan# 2826  
Delta R.T. 0.005 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:202 Resp: 53242  
Ion Ratio Lower Upper  
202 100  
200 20.1 17.0 25.6  
203 18.8 15.0 22.6





#79

Terphenyl-d14

Concen: 12.290 ng

RT: 20.171 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG052655.D

Acq: 11 Mar 2022 20:10

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-1

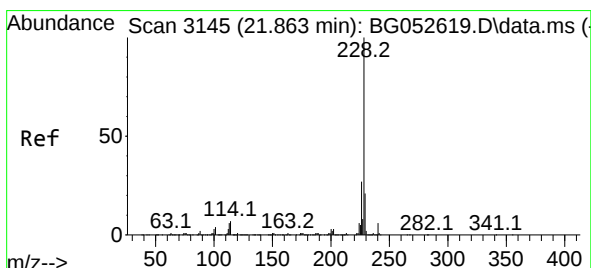
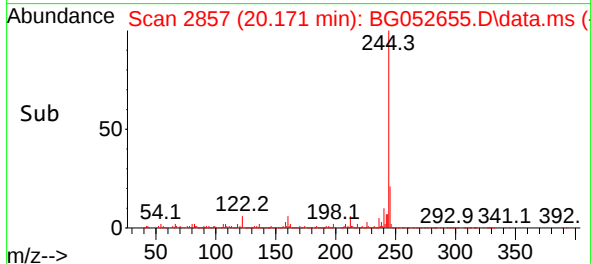
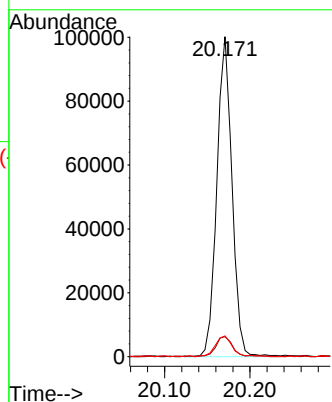
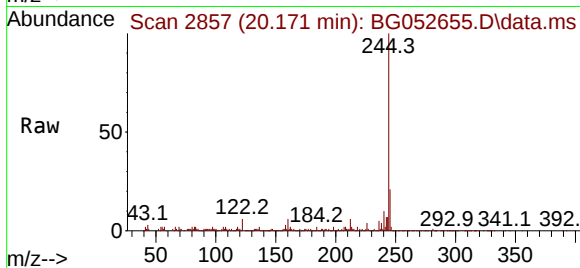
Tgt Ion:244 Resp: 123682

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

122 6.5 5.8 8.6



#81

Benzo(a)anthracene

Concen: 2.253 ng

RT: 21.863 min Scan# 3145

Delta R.T. -0.001 min

Lab File: BG052655.D

Acq: 11 Mar 2022 20:10

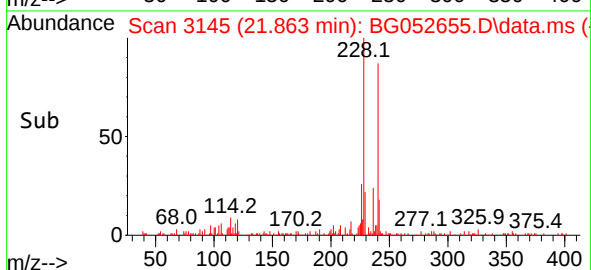
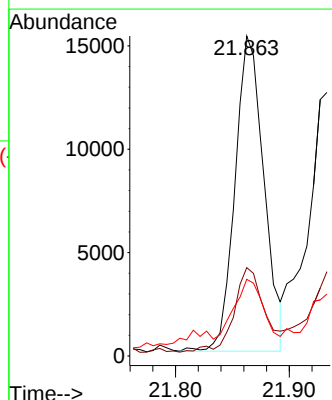
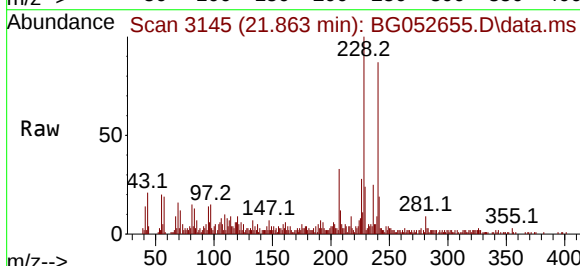
Tgt Ion:228 Resp: 26882

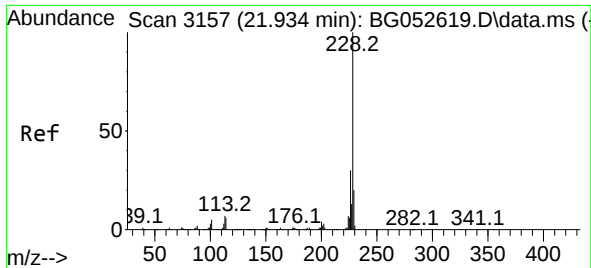
Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.0

229 23.9 16.7 25.1

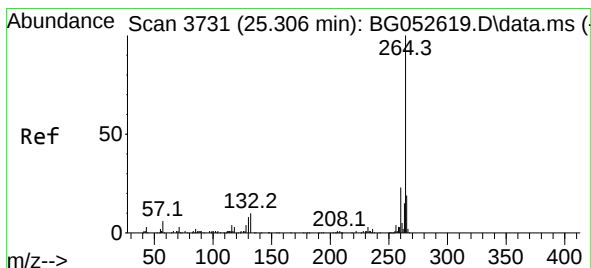
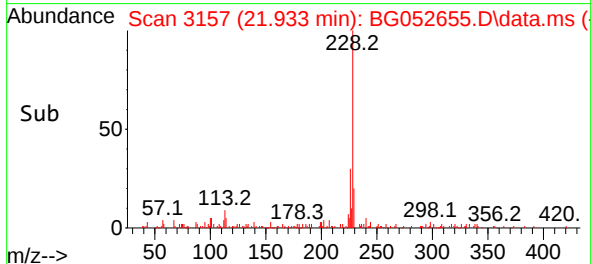
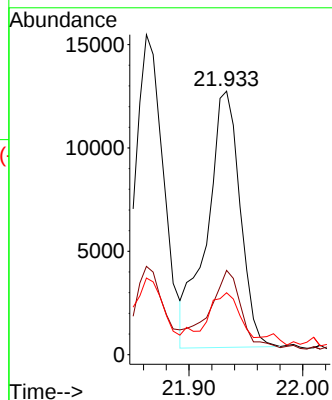
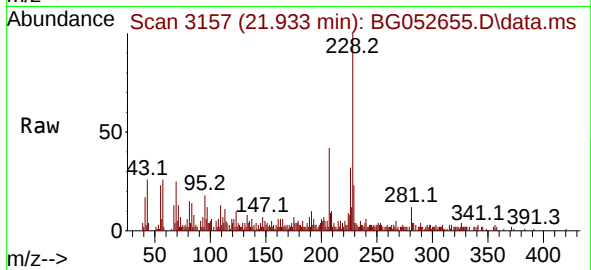




#83  
Chrysene  
Concen: 2.250 ng  
RT: 21.933 min Scan# 3157  
Delta R.T. -0.001 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

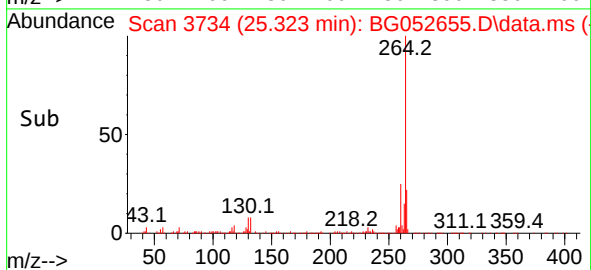
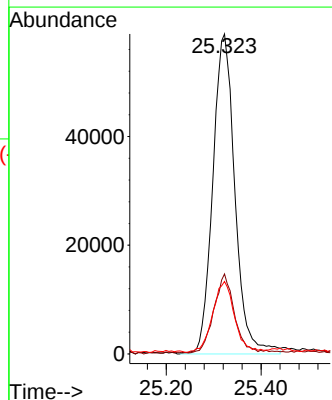
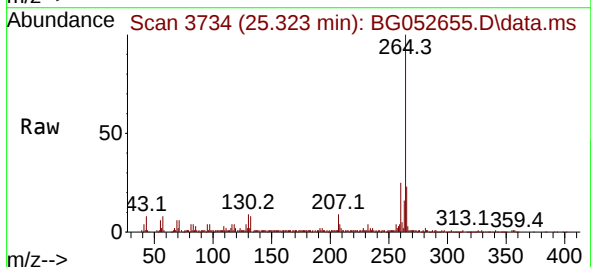
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

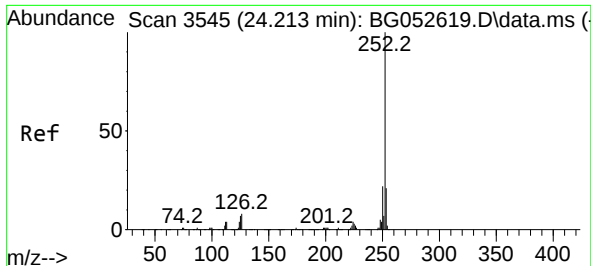
Tgt Ion:228 Resp: 25100  
Ion Ratio Lower Upper  
228 100  
226 32.0 24.2 36.4  
229 23.5 16.3 24.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.323 min Scan# 3734  
Delta R.T. 0.017 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:264 Resp: 190633  
Ion Ratio Lower Upper  
264 100  
260 25.0 18.2 27.2  
265 22.7 15.1 22.7

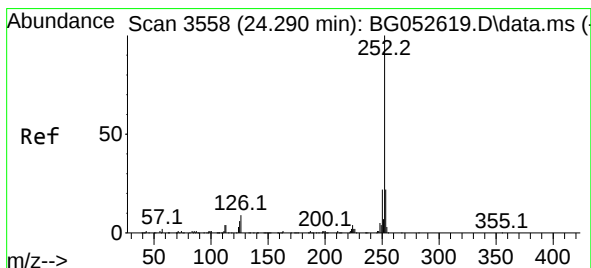
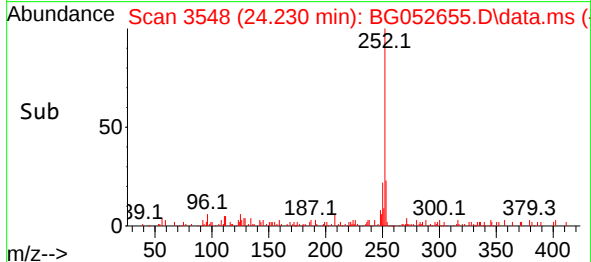
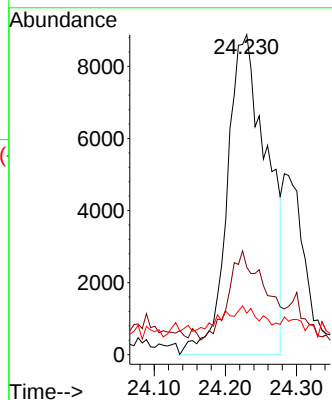
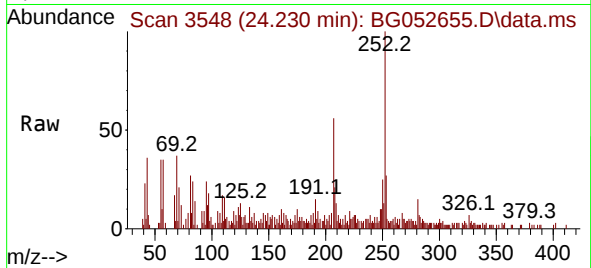




#88  
Benzo(b)fluoranthene  
Concen: 2.932 ng  
RT: 24.230 min Scan# 3545  
Delta R.T. 0.017 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

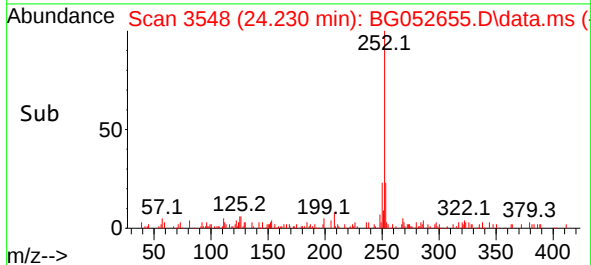
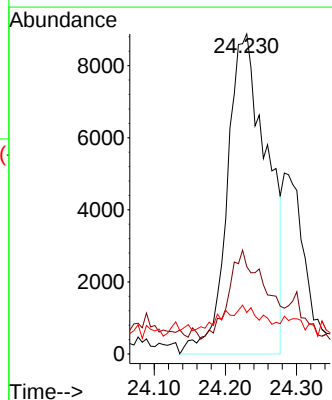
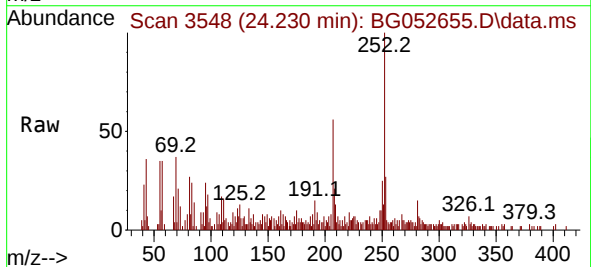
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

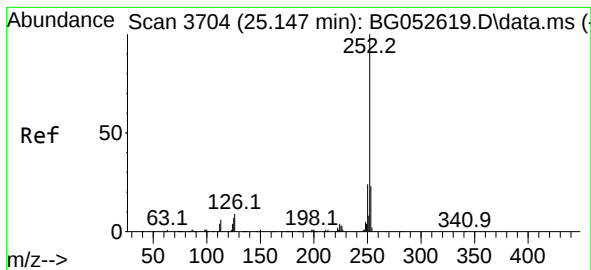
Tgt Ion:252 Resp: 34506  
Ion Ratio Lower Upper  
252 100  
253 27.3 17.2 25.8#  
125 13.0 5.2 7.8#



#89  
Benzo(k)fluoranthene  
Concen: 2.915 ng  
RT: 24.230 min Scan# 3548  
Delta R.T. -0.060 min  
Lab File: BG052655.D  
Acq: 11 Mar 2022 20:10

Tgt Ion:252 Resp: 34506  
Ion Ratio Lower Upper  
252 100  
253 27.3 17.4 26.0#  
125 13.0 5.0 7.4#





#90

Benzo(a)pyrene

Concen: 2.242 ng

RT: 25.152 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG052655.D

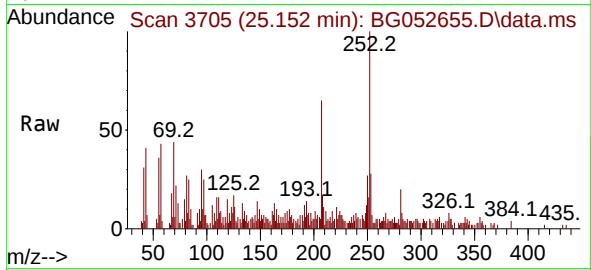
Acq: 11 Mar 2022 20:10

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-1



Tgt Ion:252 Resp: 22329

Ion Ratio Lower Upper

252 100

253 27.7 18.4 27.6#

125 17.4 5.6 8.4#

