

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031022\  
 Data File : BG052640.D  
 Acq On : 10 Mar 2022 18:54  
 Operator : CG/JU  
 Sample : N1845-05 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-15

Quant Time: Mar 11 03:45:43 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

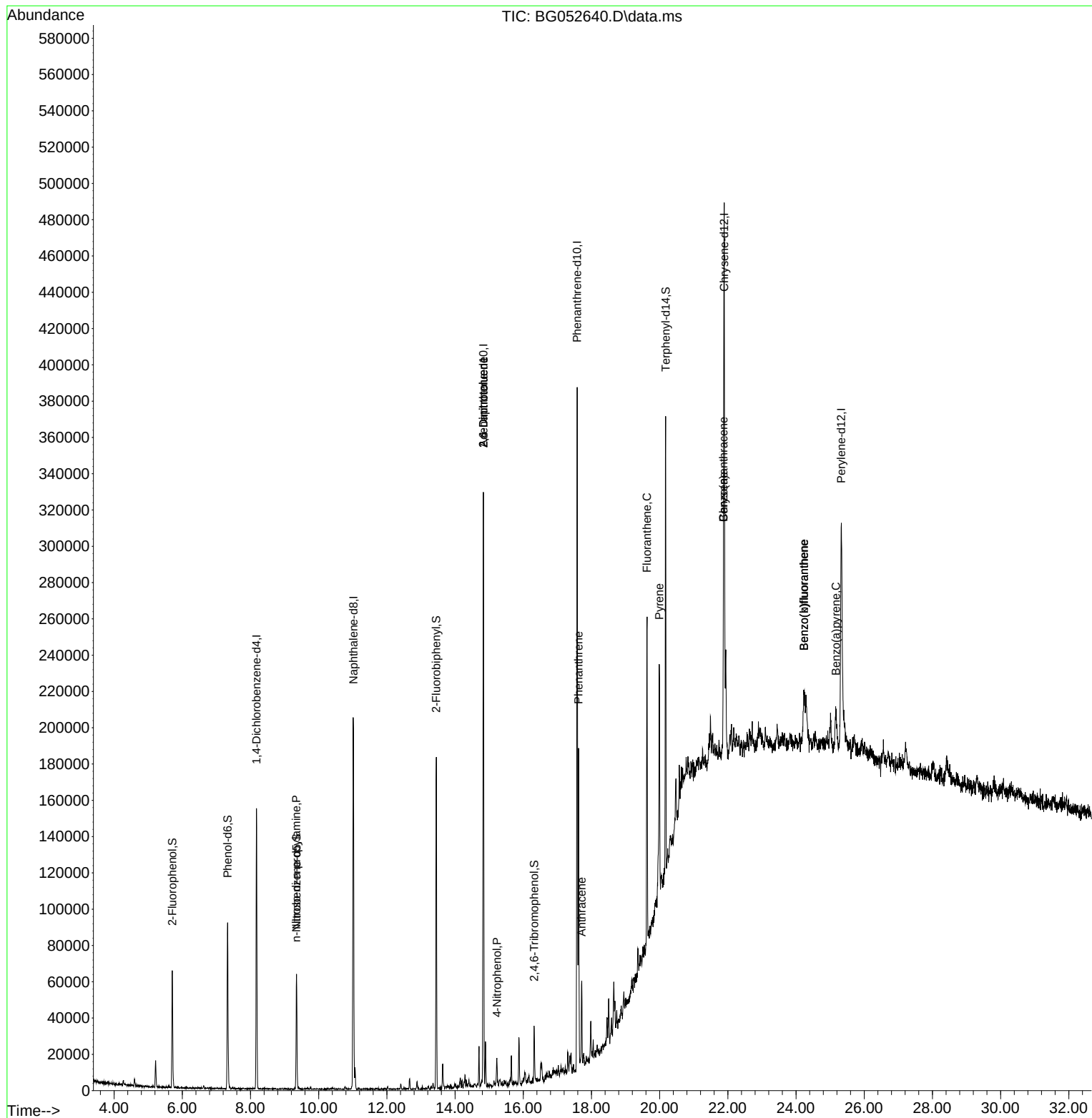
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.175  | 152  | 46863    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.018 | 136  | 186462   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.831 | 164  | 118755   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.580 | 188  | 237372   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.892 | 240  | 197731   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.323 | 264  | 167861   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.708  | 112  | 31229    | 11.512 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.329  | 99   | 59097    | 15.052 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.350  | 82   | 41274    | 10.034 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.317 | 330  | 6308     | 3.745  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.450 | 172  | 102493   | 11.649 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.177 | 244  | 130295   | 11.660 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.344  | 70   | 5469     | 2.058  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 14.831 | 165  | 16286    | 8.260  | ng    | # 24     |
| 56) 4-Nitrophenol             | 15.230 | 139  | 3635     | 2.568  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 14.831 | 165  | 16286    | 5.869  | ng    | # 22     |
| 71) Phenanthrene              | 17.621 | 178  | 110523   | 8.874  | ng    | 98       |
| 72) Anthracene                | 17.715 | 178  | 31008    | 2.543  | ng    | 98       |
| 75) Fluoranthene              | 19.630 | 202  | 117610   | 7.563  | ng    | 97       |
| 78) Pyrene                    | 19.989 | 202  | 93571    | 7.080  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.868 | 228  | 46415    | 3.504  | ng    | 97       |
| 83) Chrysene                  | 21.868 | 228  | 46415    | 3.747  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 24.230 | 252  | 62111    | 5.993  | ng    | # 87     |
| 89) Benzo(k)fluoranthene      | 24.230 | 252  | 62111    | 5.959  | ng    | # 88     |
| 90) Benzo(a)pyrene            | 25.170 | 252  | 26983    | 3.077  | ng    | # 92     |
| -----                         |        |      |          |        |       |          |

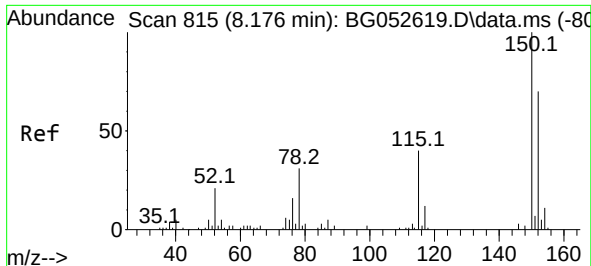
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG031022\  
Data File : BG052640.D  
Acq On : 10 Mar 2022 18:54  
Operator : CG/JU  
Sample : N1845-05 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Quant Time: Mar 11 03:45:43 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

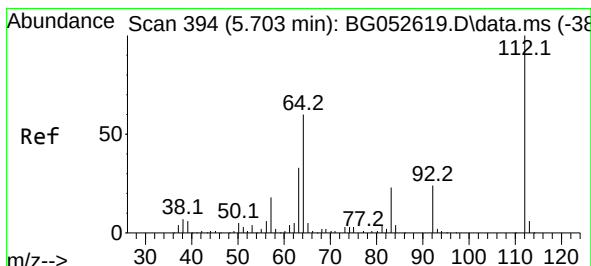
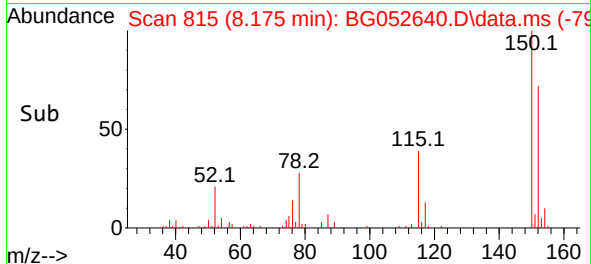
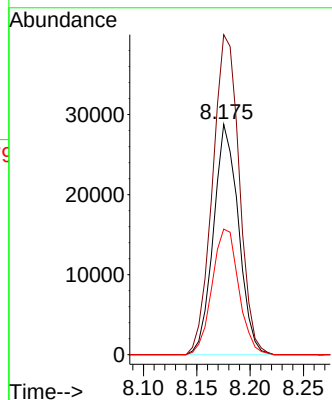
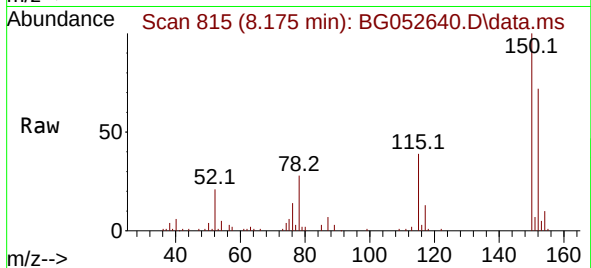




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.175 min Scan# 815  
Delta R.T. -0.001 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

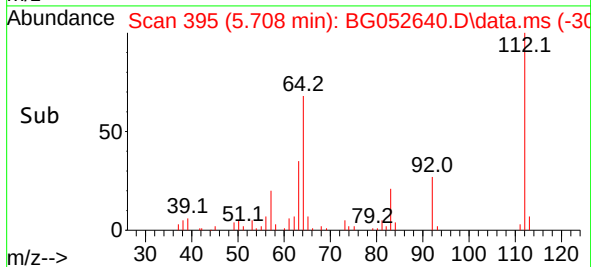
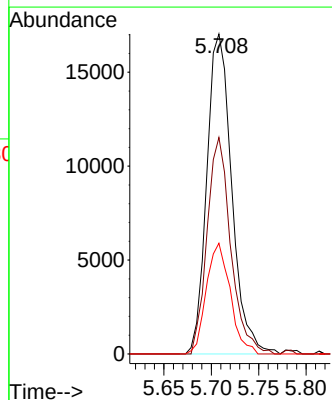
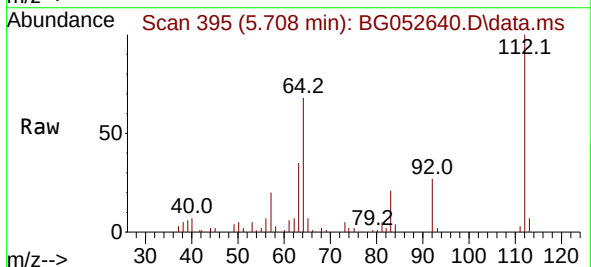
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

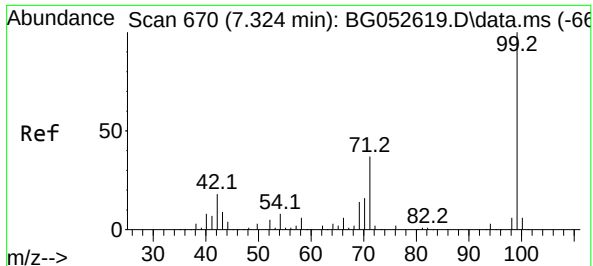
Tgt Ion:152 Resp: 46863  
Ion Ratio Lower Upper  
152 100  
150 138.9 114.6 172.0  
115 54.5 45.9 68.9



#5  
2-Fluorophenol  
Concen: 11.512 ng  
RT: 5.708 min Scan# 395  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:112 Resp: 31229  
Ion Ratio Lower Upper  
112 100  
64 67.6 48.0 72.0  
63 34.6 26.5 39.7

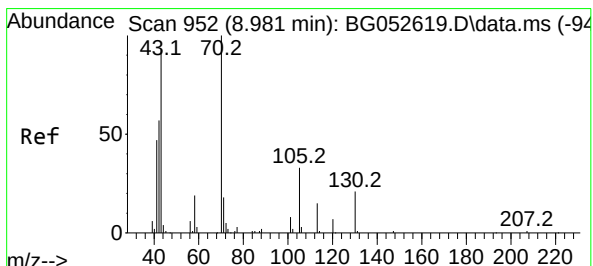
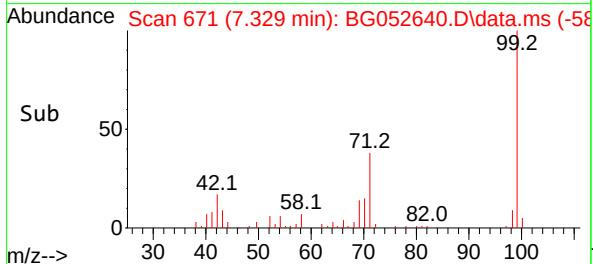
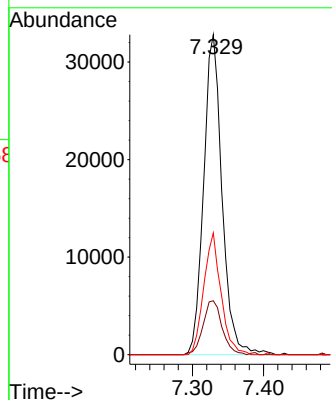
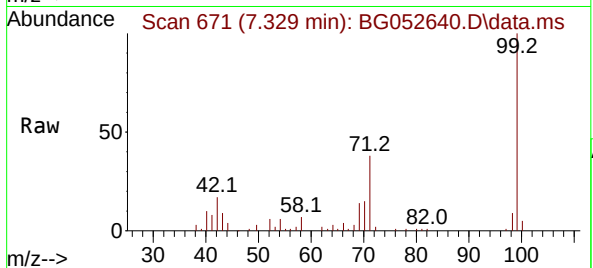




#7  
Phenol-d6  
Concen: 15.052 ng  
RT: 7.329 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

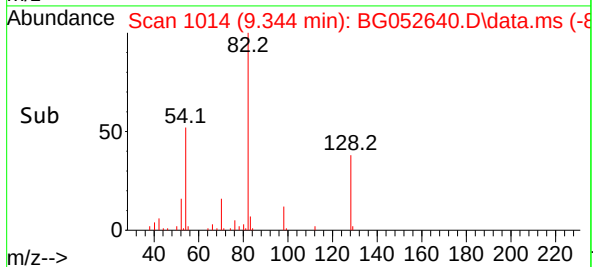
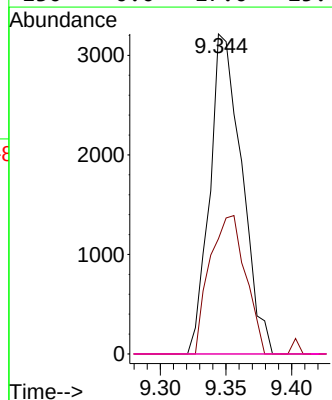
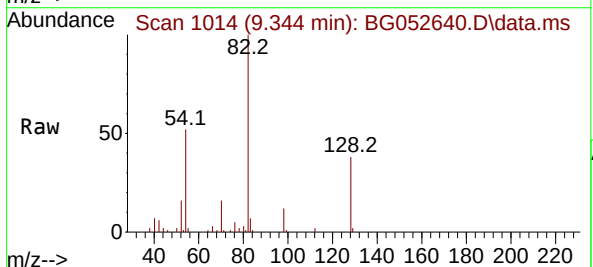
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

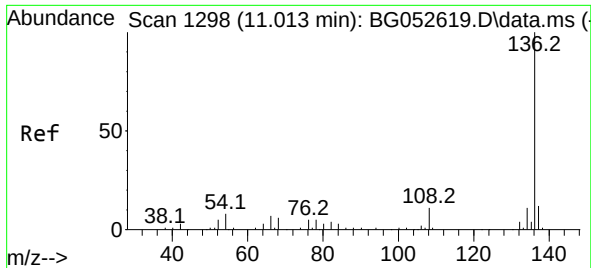
Tgt Ion: 99 Resp: 59097  
Ion Ratio Lower Upper  
99 100  
42 16.9 14.7 22.1  
71 38.0 29.2 43.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 2.058 ng  
RT: 9.344 min Scan# 1014  
Delta R.T. 0.363 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion: 70 Resp: 5469  
Ion Ratio Lower Upper  
70 100  
42 36.0 46.0 69.0#  
101 0.0 6.2 9.4#  
130 0.0 17.0 25.4#

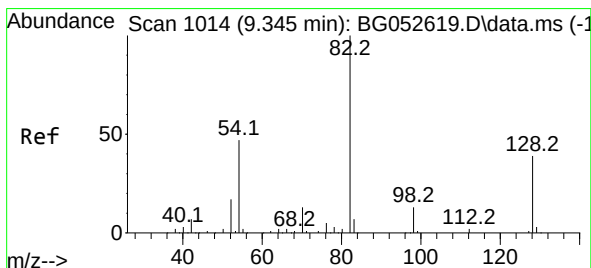
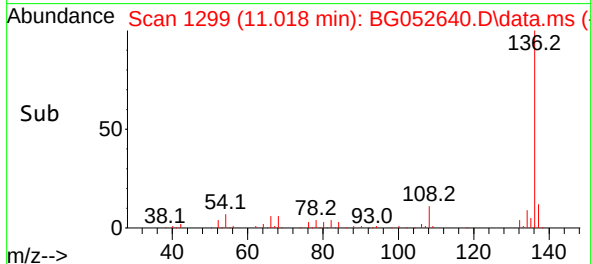
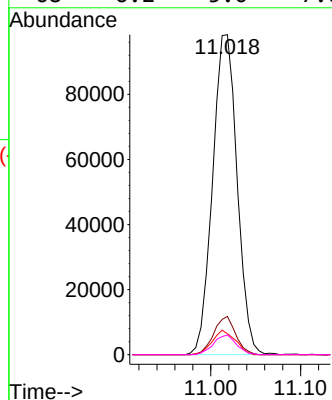
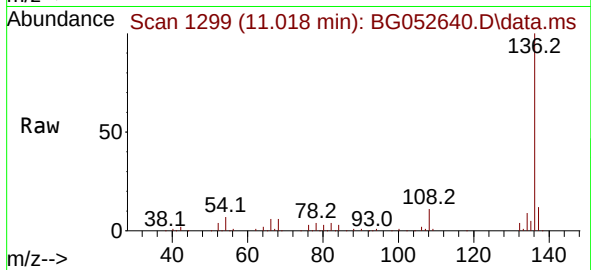




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.018 min Scan# 11018  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

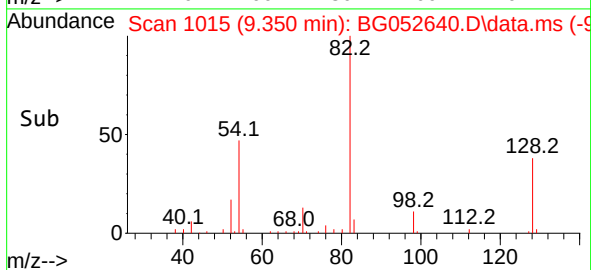
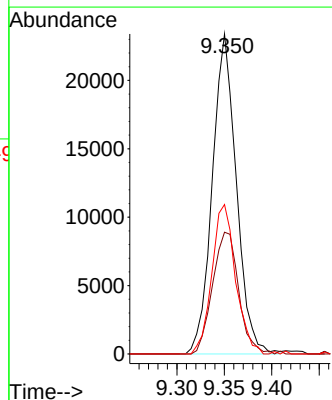
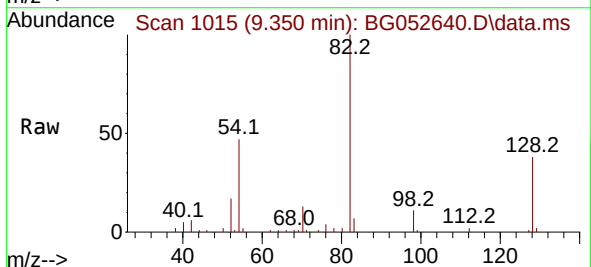
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

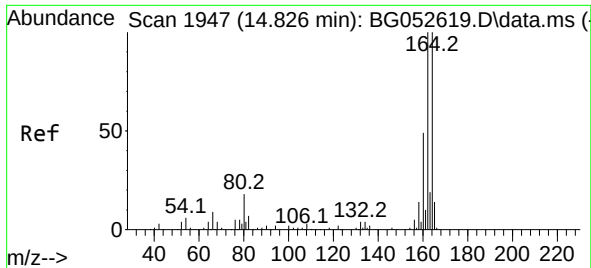
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 186462 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 12.0  | 9.4   | 14.2   |
| 54        | 6.5   | 6.4   | 9.6    |
| 68        | 6.2   | 5.0   | 7.6    |



#23  
Nitrobenzene-d5  
Concen: 10.034 ng  
RT: 9.350 min Scan# 1015  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 41274 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 38.0  | 31.3  | 46.9  |
| 54        | 46.7  | 37.8  | 56.8  |

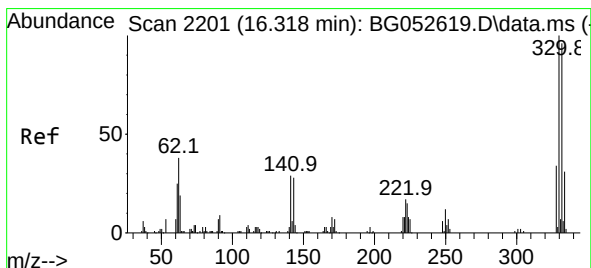
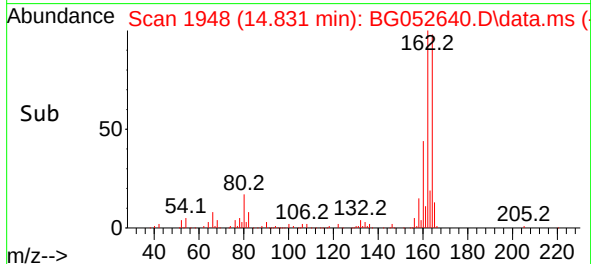
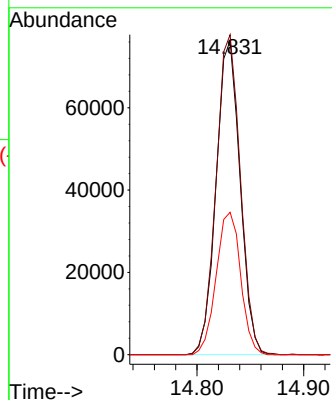
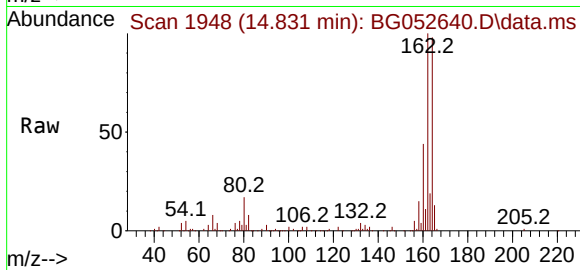




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.831 min Scan# 1947  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

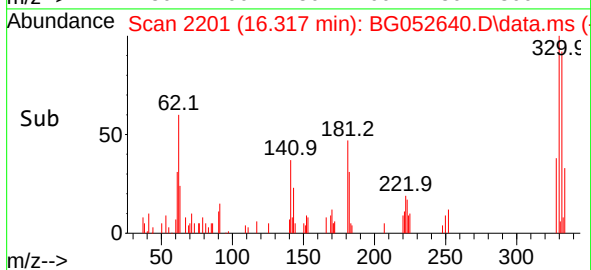
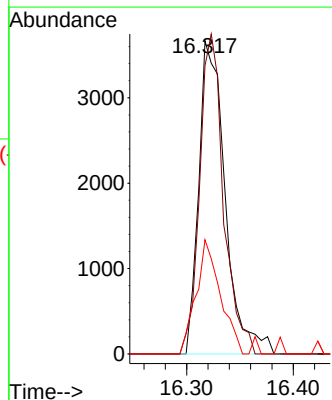
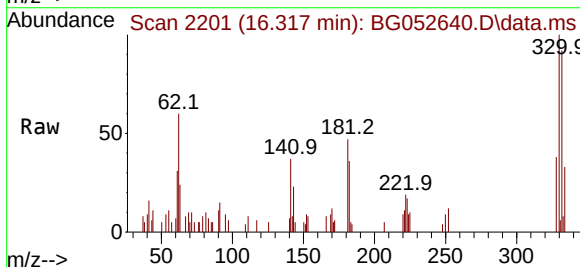
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

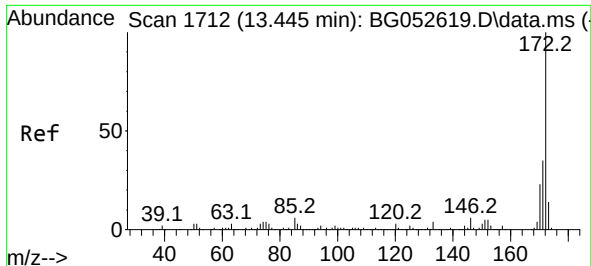
Tgt Ion:164 Resp: 118755  
Ion Ratio Lower Upper  
164 100  
162 101.9 80.0 120.0  
160 45.3 38.8 58.2



#42  
2,4,6-Tribromophenol  
Concen: 3.745 ng  
RT: 16.317 min Scan# 2201  
Delta R.T. -0.001 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:330 Resp: 6308  
Ion Ratio Lower Upper  
330 100  
332 92.4 75.8 113.6  
141 33.6 24.6 36.8

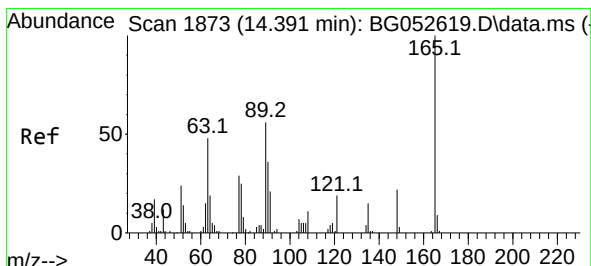
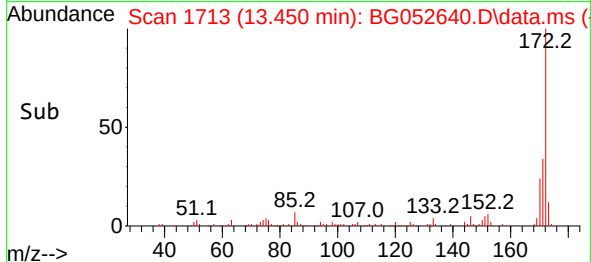
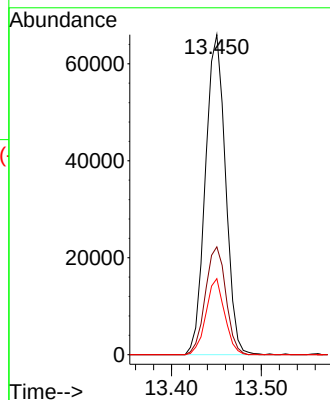
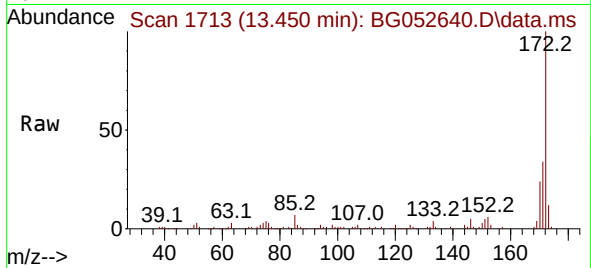




#45  
2-Fluorobiphenyl  
Concen: 11.649 ng  
RT: 13.450 min Scan# 1  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

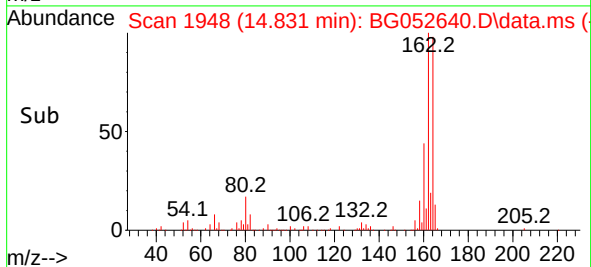
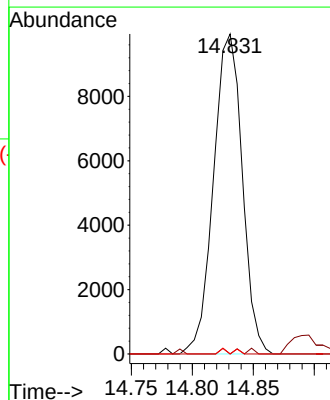
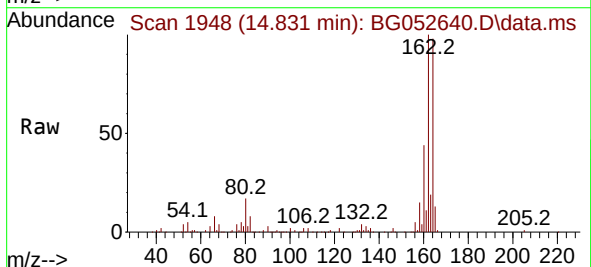
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

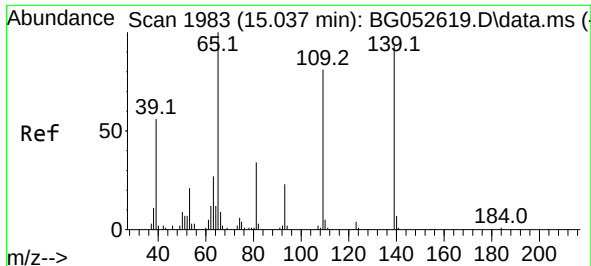
Tgt Ion:172 Resp: 102493  
Ion Ratio Lower Upper  
172 100  
171 33.7 28.3 42.5  
170 23.7 18.0 27.0



#51  
2,6-Dinitrotoluene  
Concen: 8.260 ng  
RT: 14.831 min Scan# 1948  
Delta R.T. 0.440 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:165 Resp: 16286  
Ion Ratio Lower Upper  
165 100  
63 0.0 43.7 65.5#  
89 0.0 45.0 67.4#

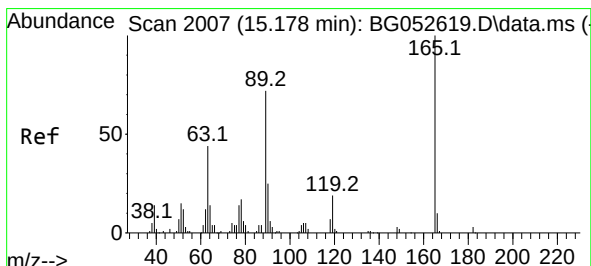
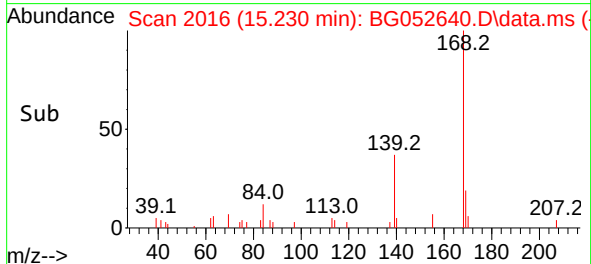
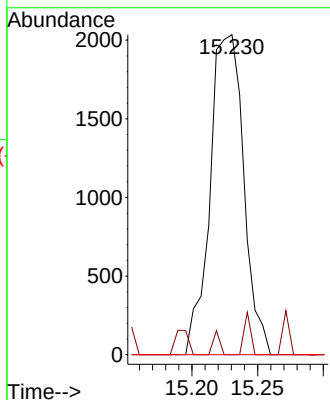
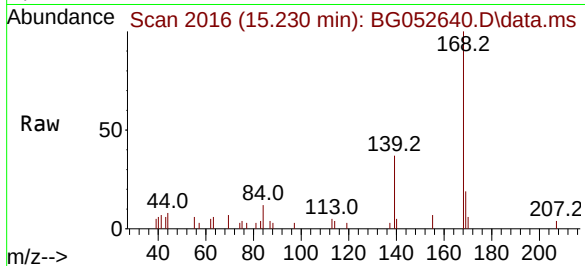




#56  
4-Nitrophenol  
Concen: 2.568 ng  
RT: 15.230 min Scan# 20  
Delta R.T. 0.193 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

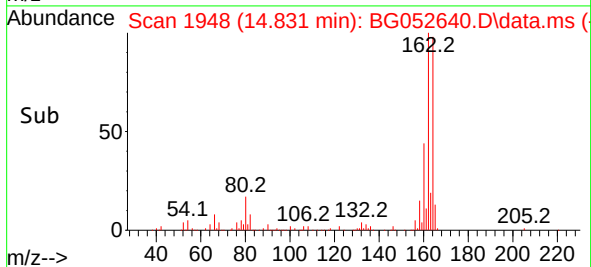
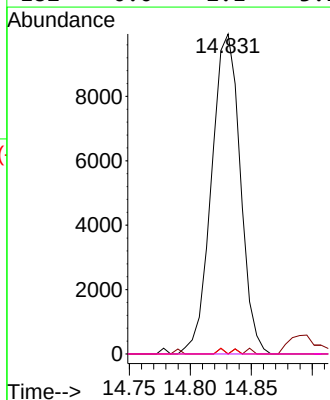
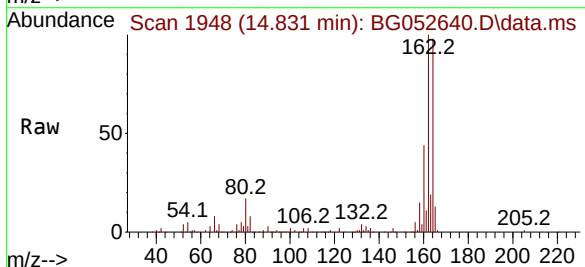
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

Tgt Ion:139 Resp: 3635  
Ion Ratio Lower Upper  
139 100  
109 0.0 67.1 107.1#  
65 0.0 88.2 128.2#

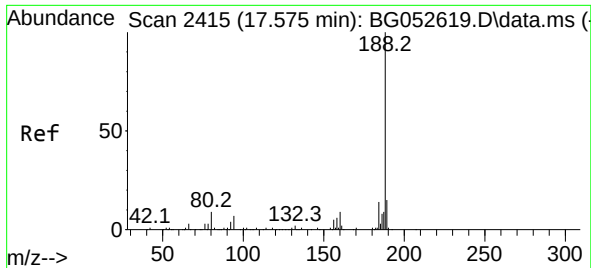


#57  
2,4-Dinitrotoluene  
Concen: 5.869 ng  
RT: 14.831 min Scan# 1948  
Delta R.T. -0.347 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:165 Resp: 16286  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.8 52.2#  
89 0.0 57.4 86.0#  
182 0.0 2.1 3.1#



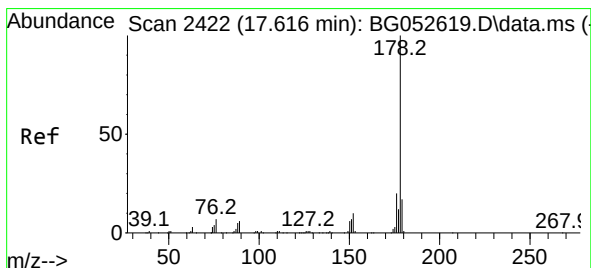
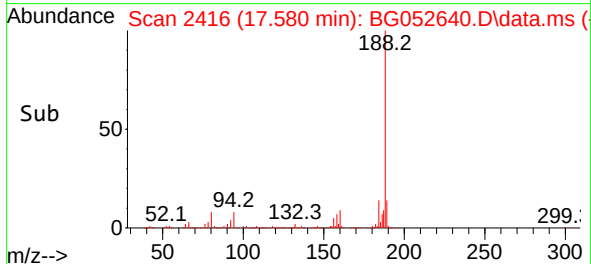
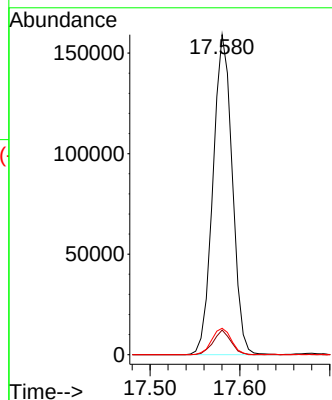
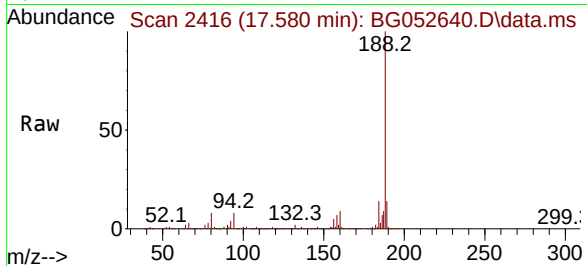




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.580 min Scan# 2415  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

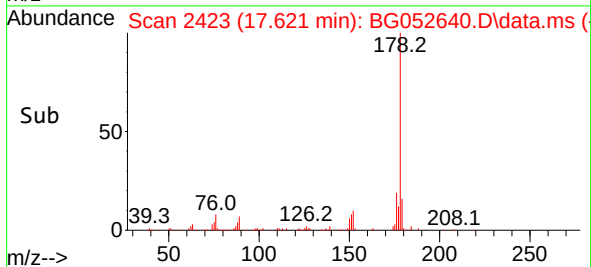
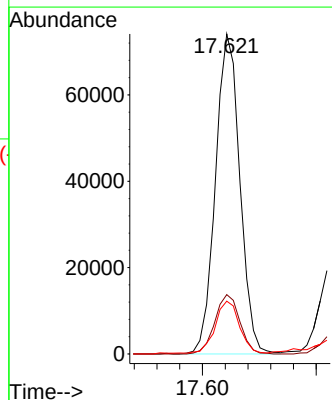
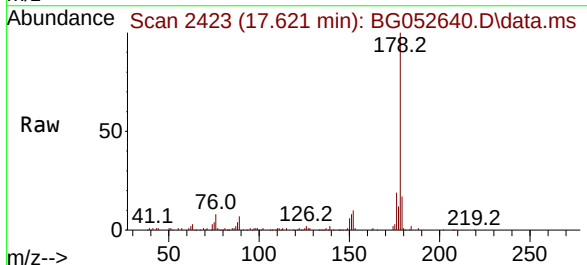
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

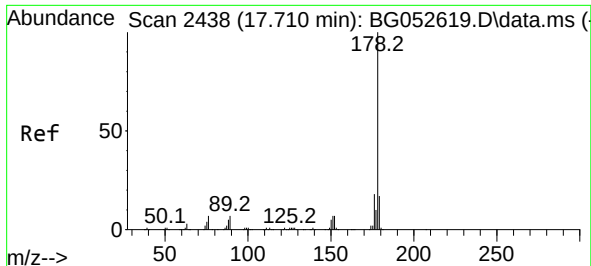
Tgt Ion:188 Resp: 237372  
Ion Ratio Lower Upper  
188 100  
94 7.7 5.7 8.5  
80 8.3 7.2 10.8



#71  
Phenanthrene  
Concen: 8.874 ng  
RT: 17.621 min Scan# 2423  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:178 Resp: 110523  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.9 23.9  
179 16.5 13.4 20.2

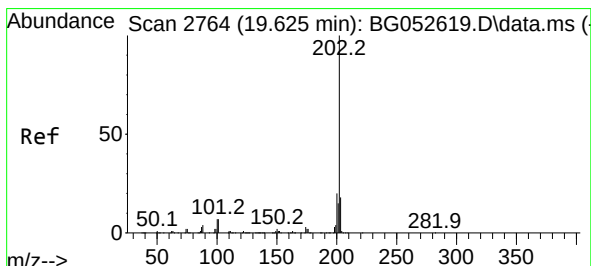
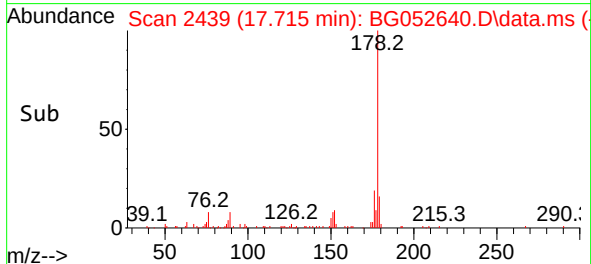
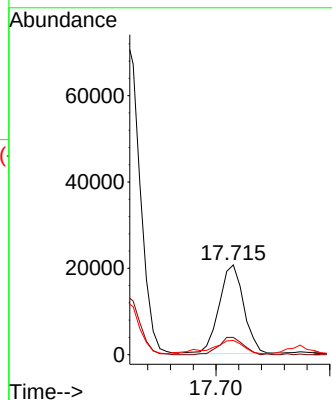
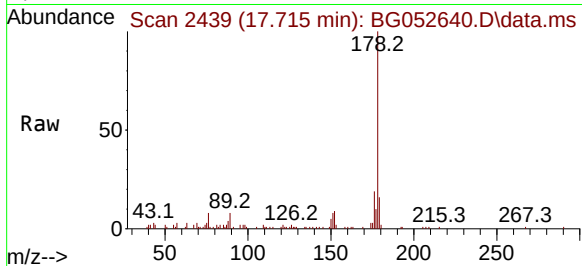




#72  
 Anthracene  
 Concen: 2.543 ng  
 RT: 17.715 min Scan# 2438  
 Delta R.T. 0.005 min  
 Lab File: BG052640.D  
 Acq: 10 Mar 2022 18:54

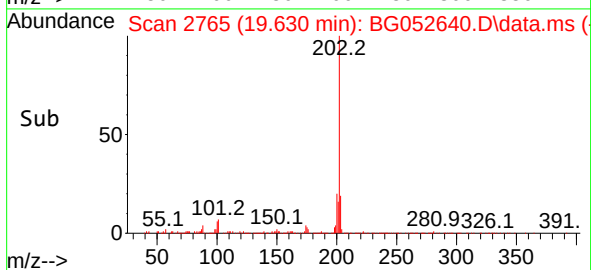
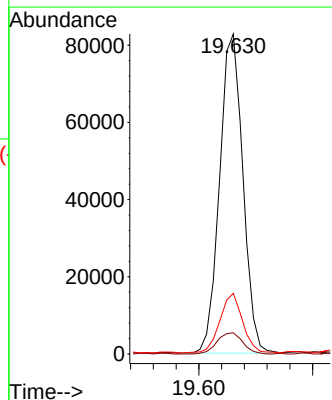
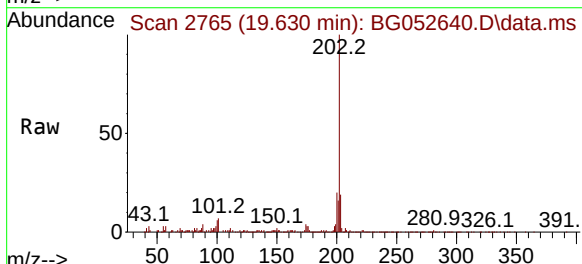
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-15

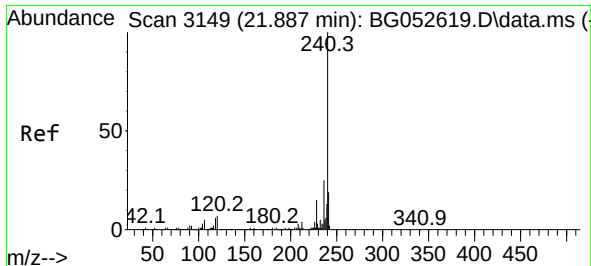
Tgt Ion:178 Resp: 31008  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 14.7 22.1  
 179 15.8 13.2 19.8



#75  
 Fluoranthene  
 Concen: 7.563 ng  
 RT: 19.630 min Scan# 2765  
 Delta R.T. 0.005 min  
 Lab File: BG052640.D  
 Acq: 10 Mar 2022 18:54

Tgt Ion:202 Resp: 117610  
 Ion Ratio Lower Upper  
 202 100  
 101 6.6 0.0 27.3  
 203 19.0 0.0 37.7

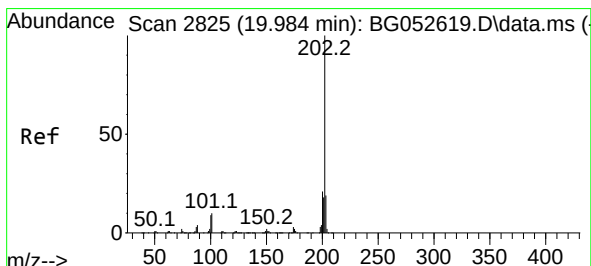
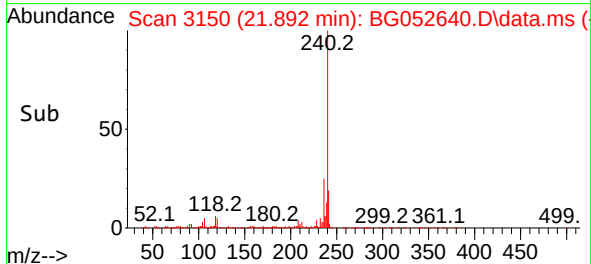
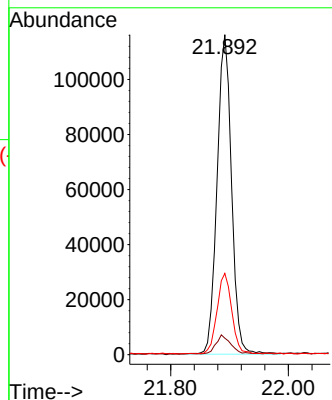
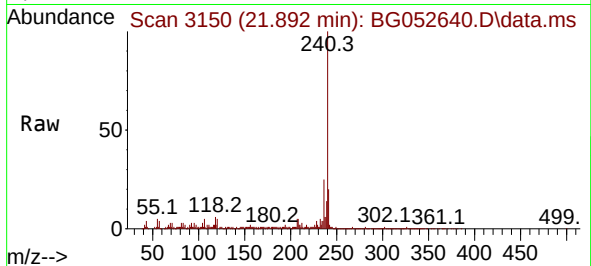




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.892 min Scan# 3149  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

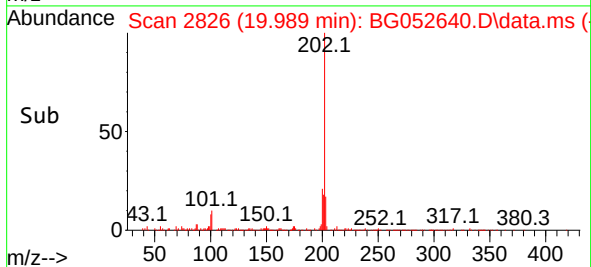
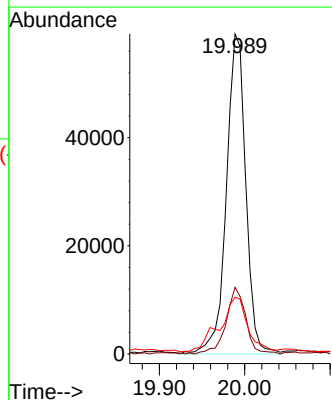
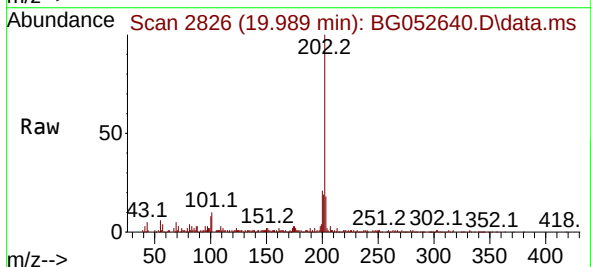
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

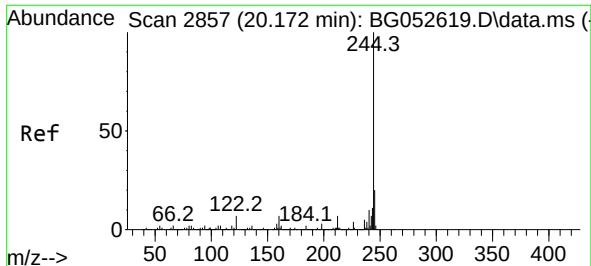
Tgt Ion:240 Resp: 197731  
Ion Ratio Lower Upper  
240 100  
120 5.1 5.4 8.0#  
236 25.4 19.8 29.6



#78  
Pyrene  
Concen: 7.080 ng  
RT: 19.989 min Scan# 2826  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:202 Resp: 93571  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.0 25.6  
203 17.8 15.0 22.6

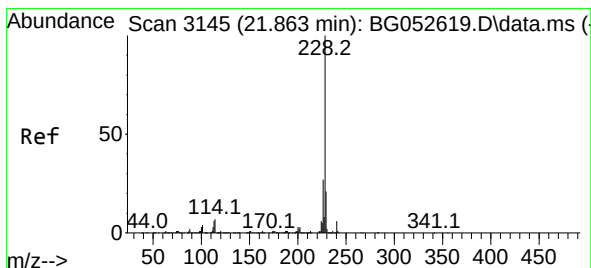
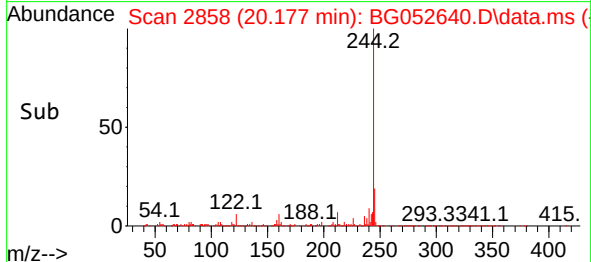
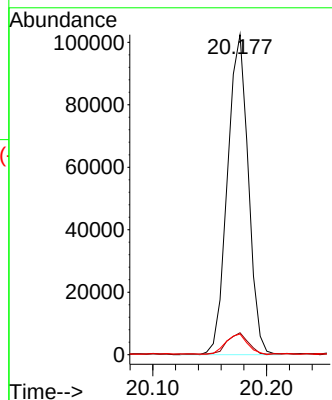
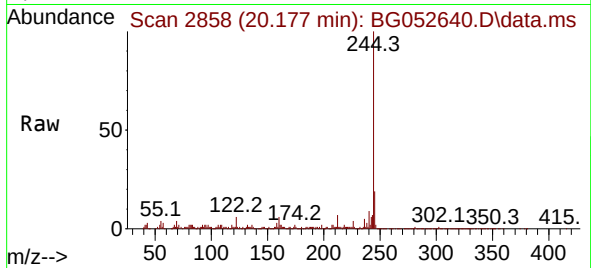




#79  
Terphenyl-d14  
Concen: 11.660 ng  
RT: 20.177 min Scan# 21  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

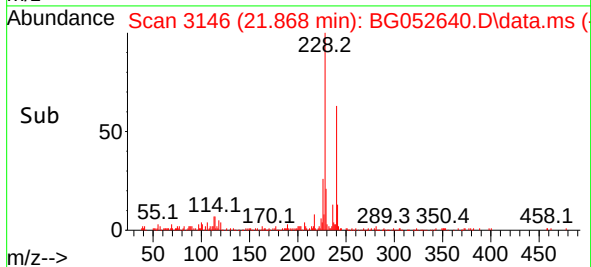
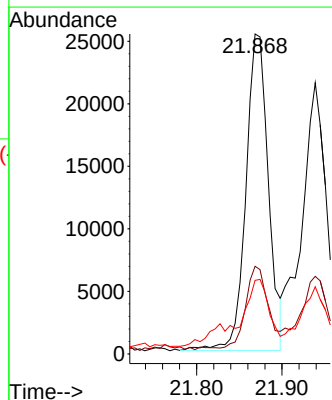
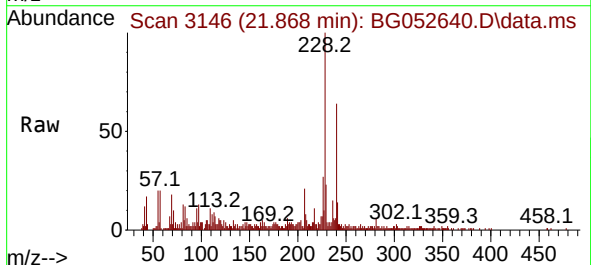
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-15

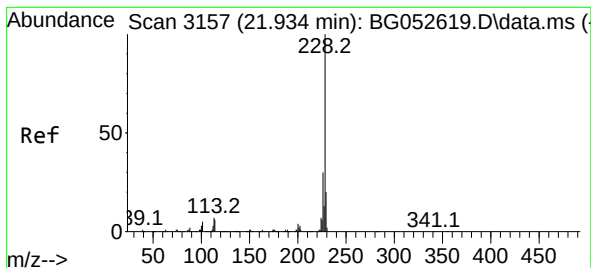
Tgt Ion:244 Resp: 130295  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.2  
122 6.5 5.8 8.6



#81  
Benzo(a)anthracene  
Concen: 3.504 ng  
RT: 21.868 min Scan# 3146  
Delta R.T. 0.005 min  
Lab File: BG052640.D  
Acq: 10 Mar 2022 18:54

Tgt Ion:228 Resp: 46415  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.4 32.0  
229 23.0 16.7 25.1





#83

Chrysene

Concen: 3.747 ng

RT: 21.868 min Scan# 3157

Delta R.T. -0.065 min

Lab File: BG052640.D

Acq: 10 Mar 2022 18:54

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-15

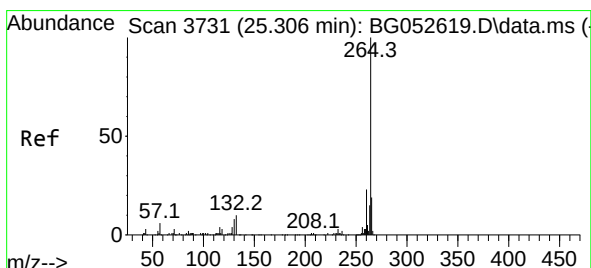
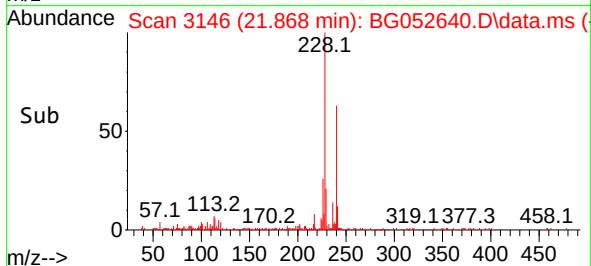
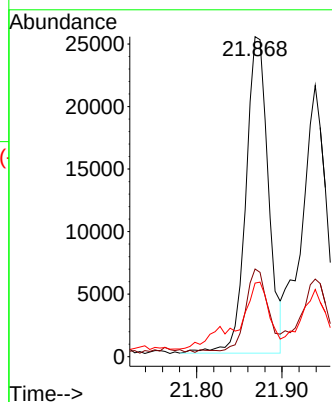
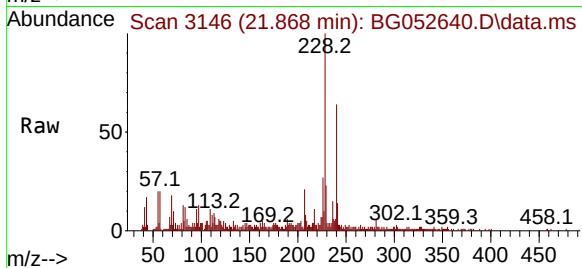
Tgt Ion:228 Resp: 46415

Ion Ratio Lower Upper

228 100

226 27.4 24.2 36.4

229 23.0 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: BG052640.D

Acq: 10 Mar 2022 18:54

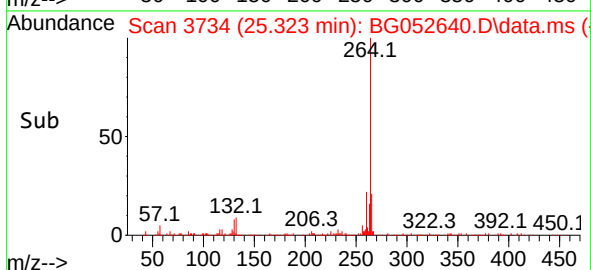
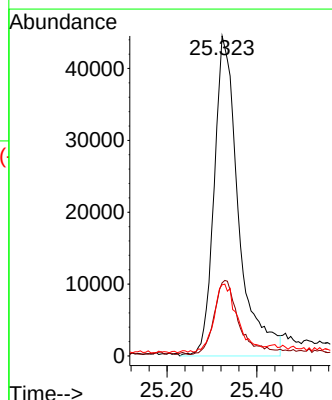
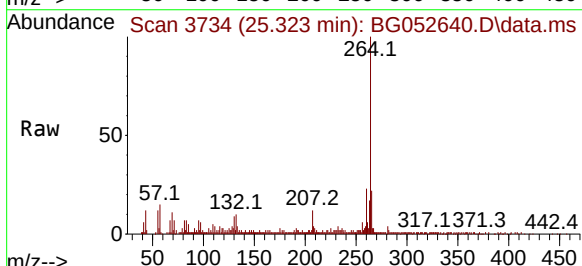
Tgt Ion:264 Resp: 167861

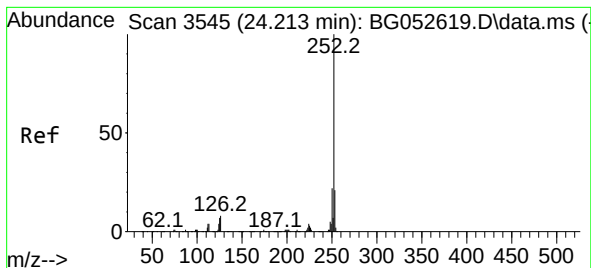
Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 22.2 15.1 22.7





#88

Benzo(b)fluoranthene

Concen: 5.993 ng

RT: 24.230 min Scan# 3548

Delta R.T. 0.017 min

Lab File: BG052640.D

Acq: 10 Mar 2022 18:54

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-15

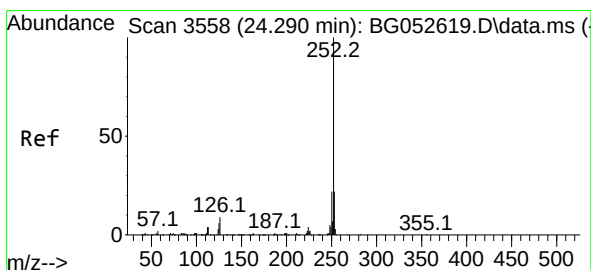
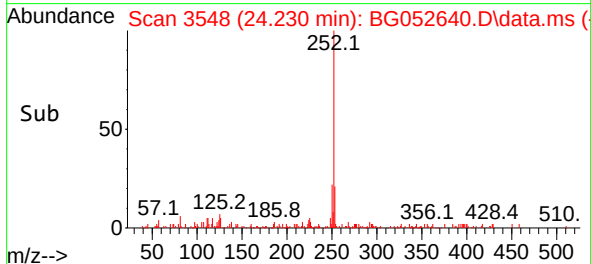
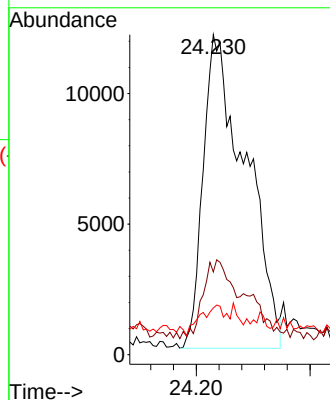
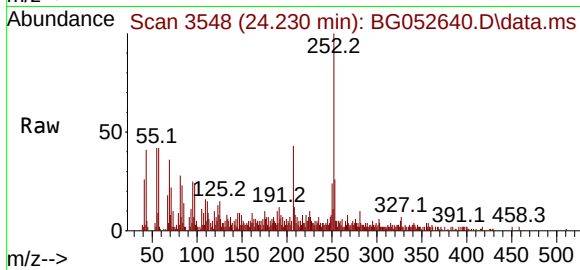
Tgt Ion:252 Resp: 62111

Ion Ratio Lower Upper

252 100

253 25.9 17.2 25.8#

125 14.6 5.2 7.8#



#89

Benzo(k)fluoranthene

Concen: 5.959 ng

RT: 24.230 min Scan# 3548

Delta R.T. -0.060 min

Lab File: BG052640.D

Acq: 10 Mar 2022 18:54

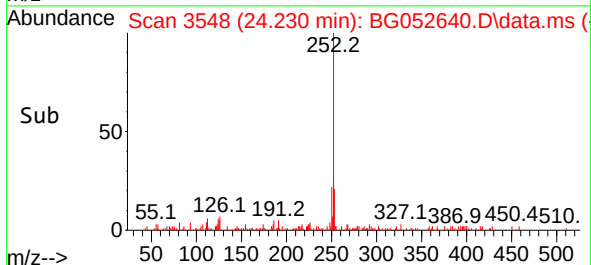
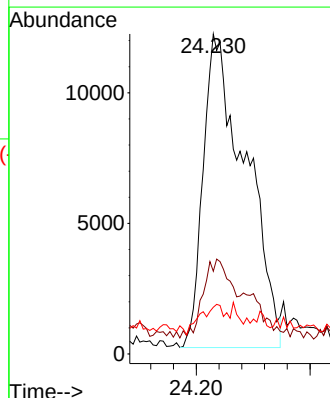
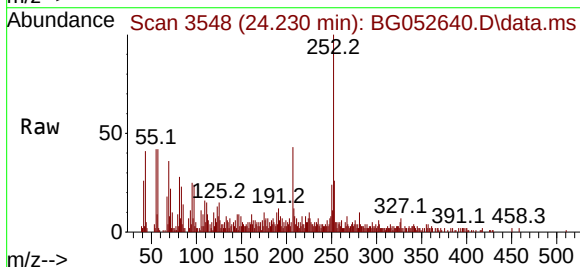
Tgt Ion:252 Resp: 62111

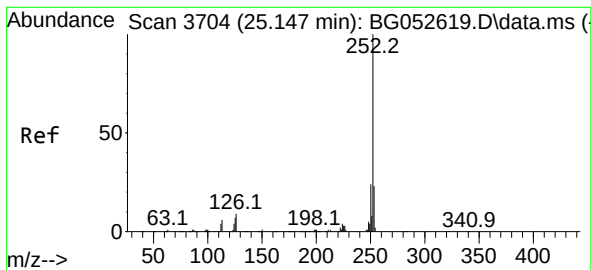
Ion Ratio Lower Upper

252 100

253 25.9 17.4 26.0

125 14.6 5.0 7.4#





#90

Benzo(a)pyrene

Concen: 3.077 ng

RT: 25.170 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG052640.D

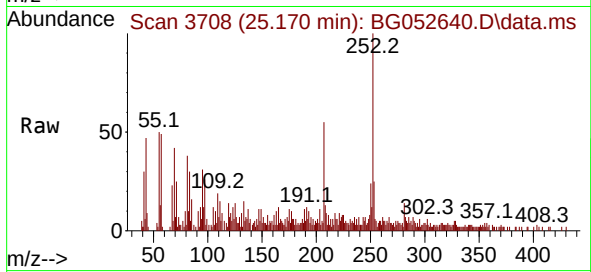
Acq: 10 Mar 2022 18:54

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-15



Tgt Ion:252 Resp: 26983

Ion Ratio Lower Upper

252 100

253 25.2 18.4 27.6

125 14.3 5.6 8.4#

