

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052822\  
 Data File : BG053760.D  
 Acq On : 28 May 2022 21:11  
 Operator : CG/JU  
 Sample : N3000-01DL 2X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-01-COMPDL

Quant Time: May 29 02:20:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun May 29 02:17:06 2022  
 Response via : Initial Calibration

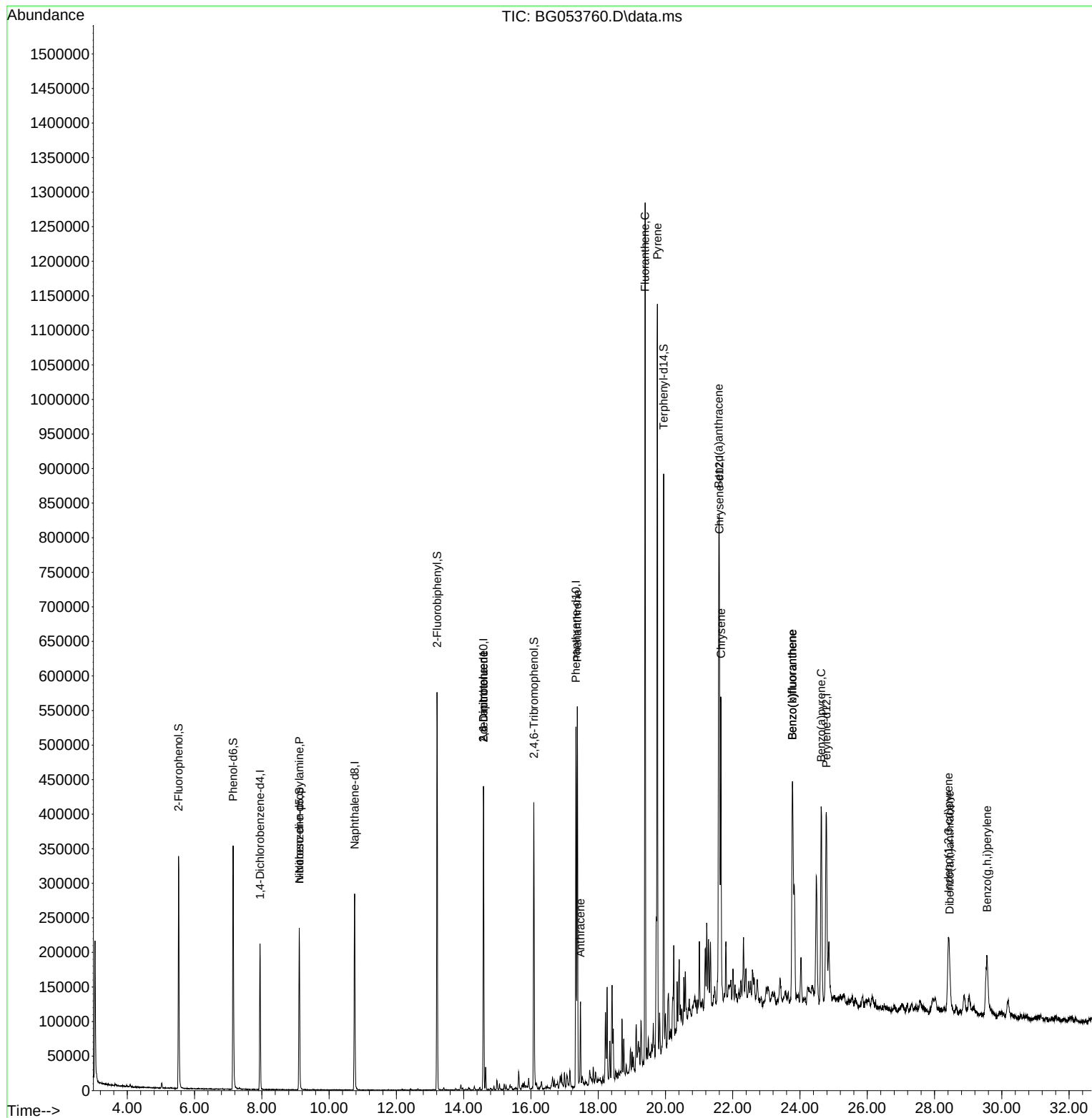
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.945  | 152  | 58175    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.759 | 136  | 235497   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.589 | 164  | 158614   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 325508   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.603 | 240  | 292461   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.781 | 264  | 302507   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.525  | 112  | 152267   | 44.421 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.147  | 99   | 226624   | 43.563 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.114  | 82   | 153172   | 27.687 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.087 | 330  | 87194    | 37.272 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.209 | 172  | 304528   | 28.056 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.947 | 244  | 397324   | 25.303 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.114  | 70   | 20259    | 5.428  | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.589 | 165  | 20340    | 8.283  | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 14.589 | 165  | 20340    | 5.714  | ng    | # 23     |
| 71) Phenanthrene              | 17.380 | 178  | 341219   | 20.616 | ng    | 98       |
| 72) Anthracene                | 17.474 | 178  | 80447    | 4.945  | ng    | 98       |
| 75) Fluoranthene              | 19.395 | 202  | 755833   | 35.268 | ng    | 96       |
| 78) Pyrene                    | 19.759 | 202  | 709871   | 37.495 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.586 | 228  | 368418   | 19.750 | ng    | 98       |
| 83) Chrysene                  | 21.650 | 228  | 318063   | 18.256 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.412 | 276  | 194060   | 9.211  | ng    | # 95     |
| 88) Benzo(b)fluoranthene      | 23.771 | 252  | 412831   | 23.056 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 23.771 | 252  | 412831   | 23.462 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 24.629 | 252  | 313869   | 20.594 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 28.447 | 278  | 50063    | 2.884  | ng    | 93       |
| 92) Benzo(g,h,i)perylene      | 29.557 | 276  | 185897   | 10.802 | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

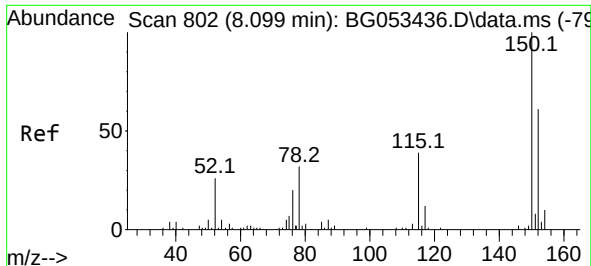
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052822\  
Data File : BG053760.D  
Acq On : 28 May 2022 21:11  
Operator : CG/JU  
Sample : N3000-01DL 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

Quant Time: May 29 02:20:37 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun May 29 02:17:06 2022  
Response via : Initial Calibration

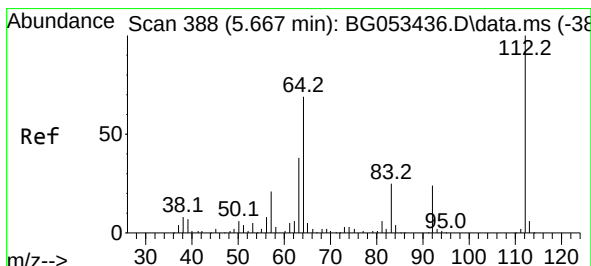
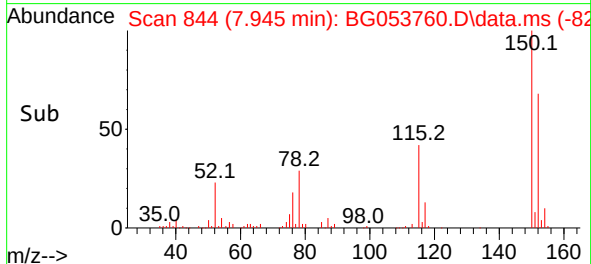
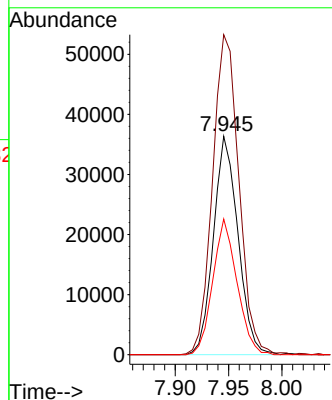
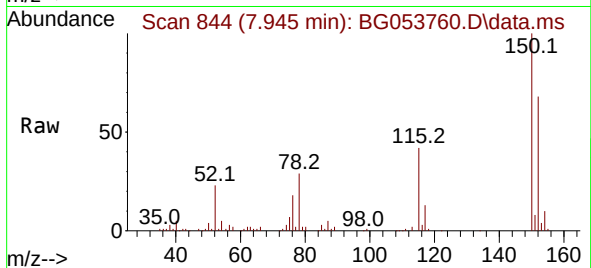




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.945 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

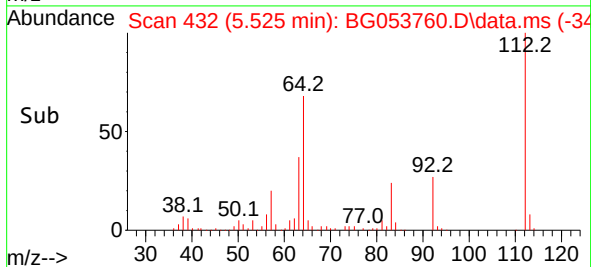
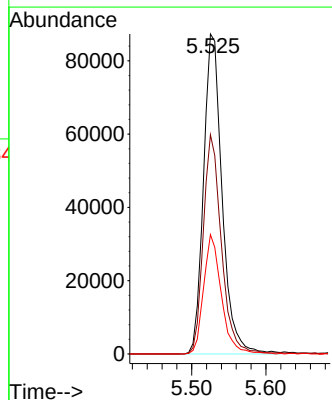
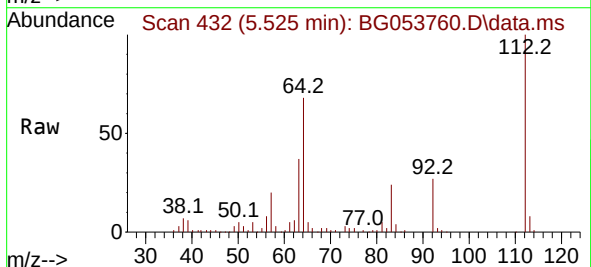
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

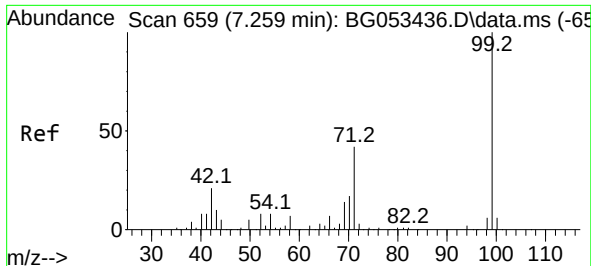
Tgt Ion:152 Resp: 58175  
Ion Ratio Lower Upper  
152 100  
150 146.5 131.6 197.4  
115 62.1 50.9 76.3



#5  
2-Fluorophenol  
Concen: 44.421 ng  
RT: 5.525 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:112 Resp: 152267  
Ion Ratio Lower Upper  
112 100  
64 68.5 55.1 82.7  
63 37.3 30.4 45.6

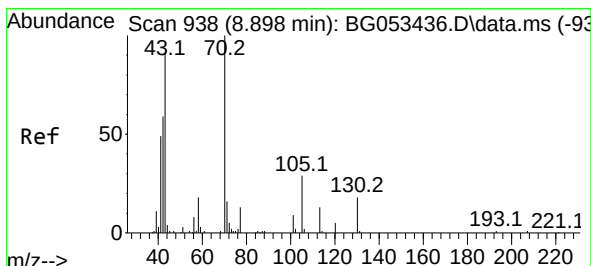
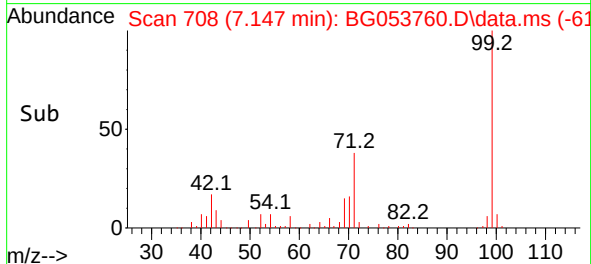
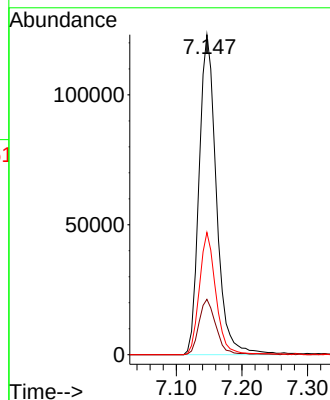
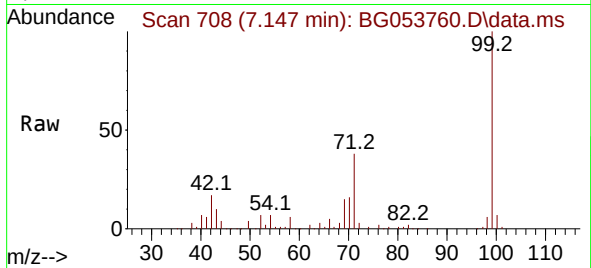




#7  
Phenol-d6  
Concen: 43.563 ng  
RT: 7.147 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

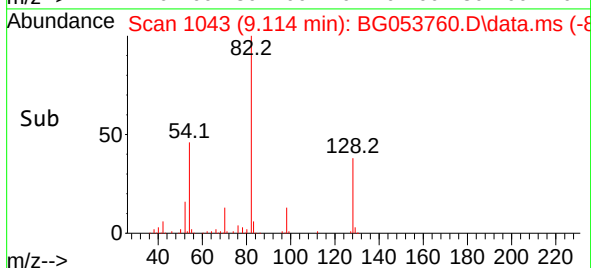
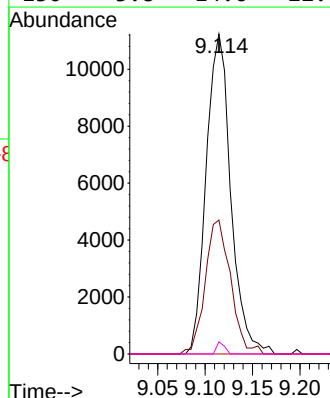
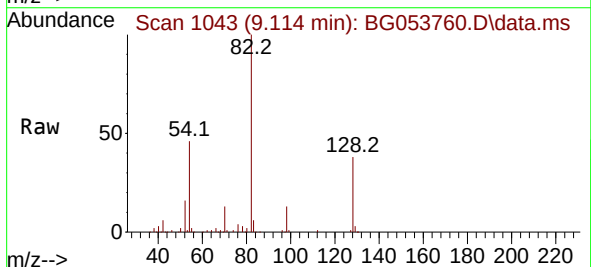
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

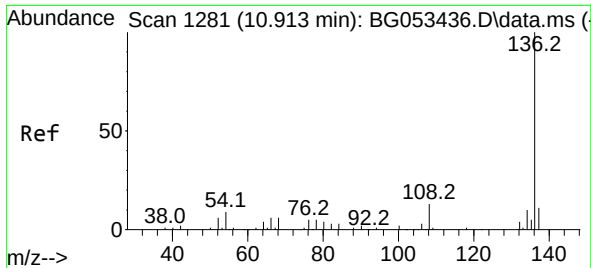
Tgt Ion: 99 Resp: 226624  
Ion Ratio Lower Upper  
99 100  
42 17.3 17.0 25.6  
71 38.2 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.428 ng  
RT: 9.114 min Scan# 1043  
Delta R.T. 0.358 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion: 70 Resp: 20259  
Ion Ratio Lower Upper  
70 100  
42 41.9 47.3 70.9#  
101 0.0 7.0 10.4#  
130 3.8 14.6 22.0#



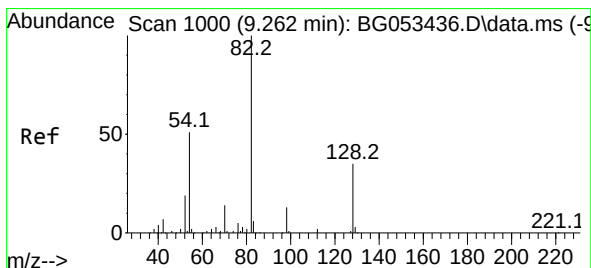
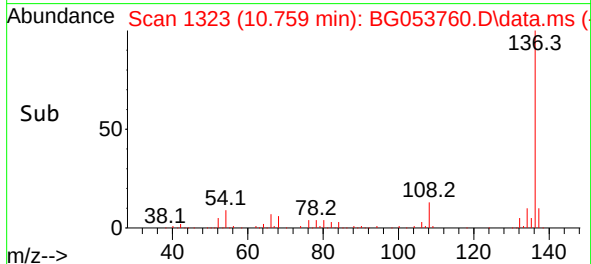
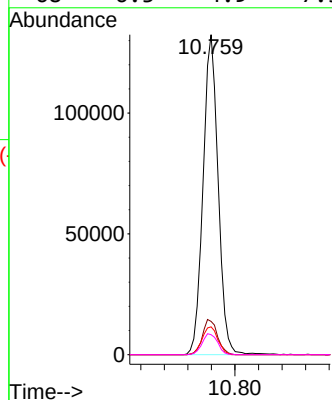
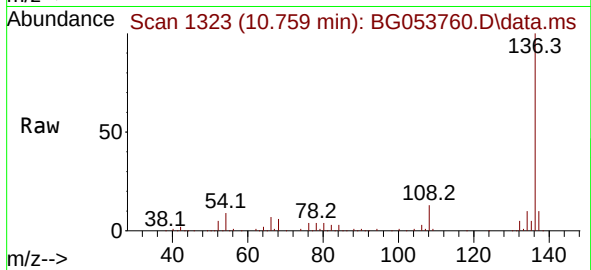


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.759 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

Tgt Ion:136 Resp: 235497

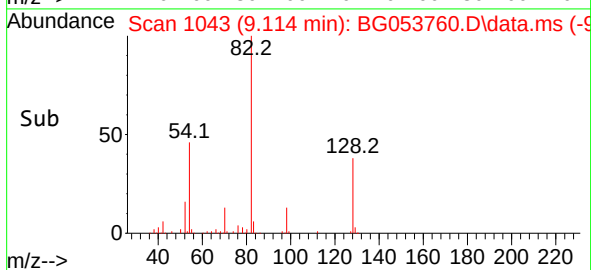
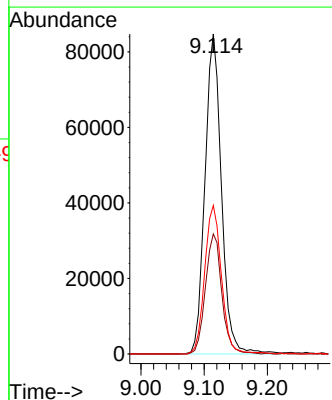
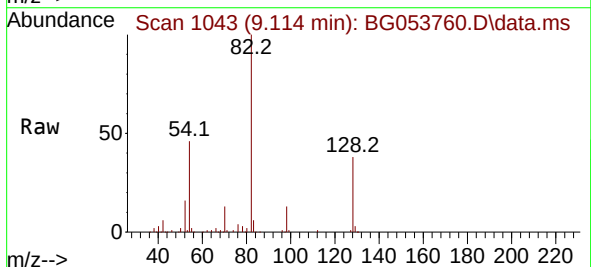
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 8.5   | 12.7  |
| 54  | 8.7   | 7.4   | 11.2  |
| 68  | 6.3   | 4.9   | 7.3   |

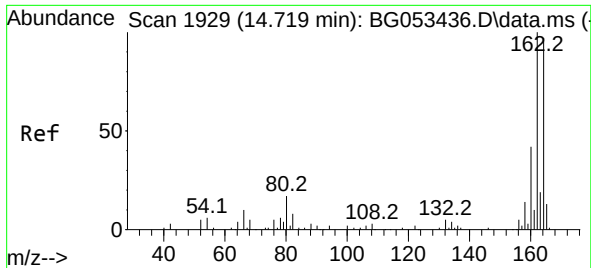


#23  
Nitrobenzene-d5  
Concen: 27.687 ng  
RT: 9.114 min Scan# 1043  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion: 82 Resp: 153172

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.5  | 27.9  | 41.9  |
| 54  | 46.4  | 41.2  | 61.8  |

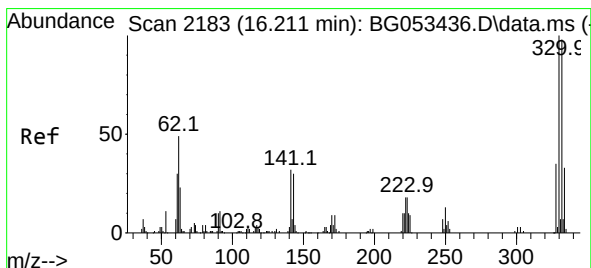
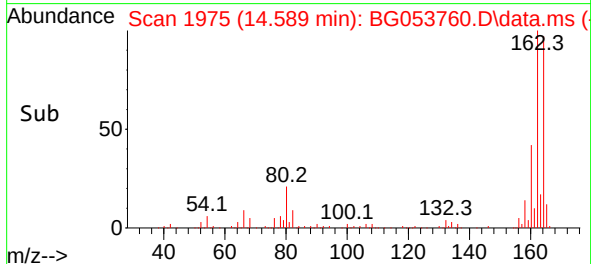
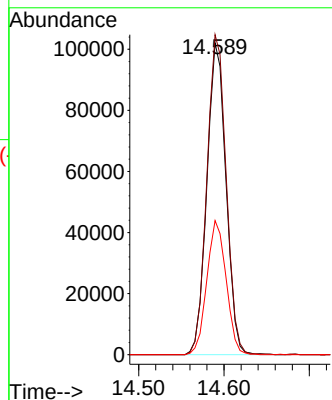
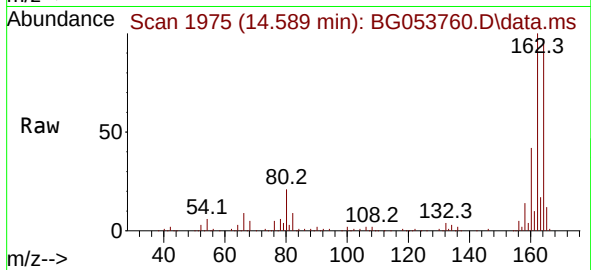




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.589 min Scan# 1929  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

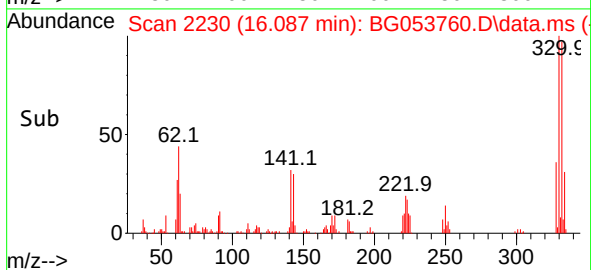
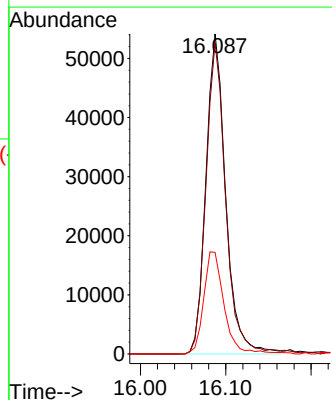
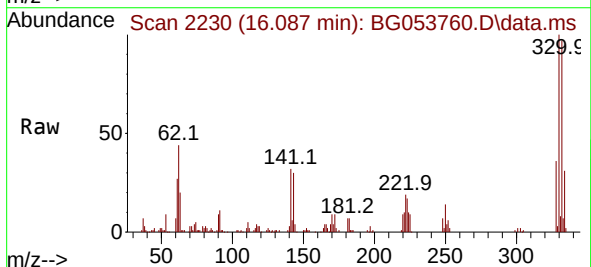
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

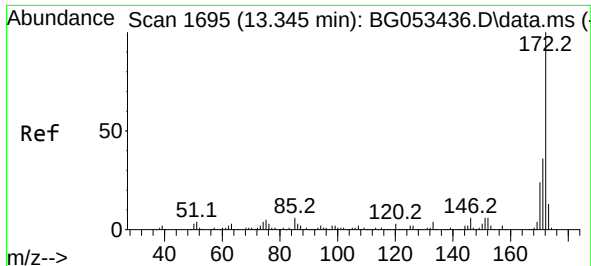
Tgt Ion:164 Resp: 158614  
Ion Ratio Lower Upper  
164 100  
162 102.7 82.3 123.5  
160 43.0 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 37.272 ng  
RT: 16.087 min Scan# 2230  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:330 Resp: 87194  
Ion Ratio Lower Upper  
330 100  
332 97.9 76.0 114.0  
141 32.9 27.1 40.7

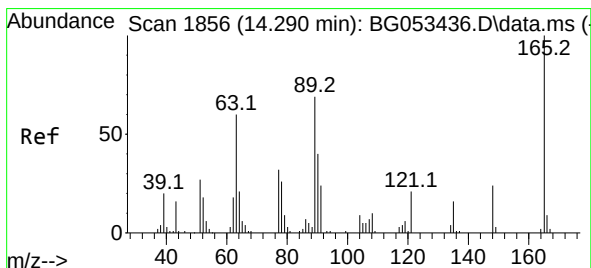
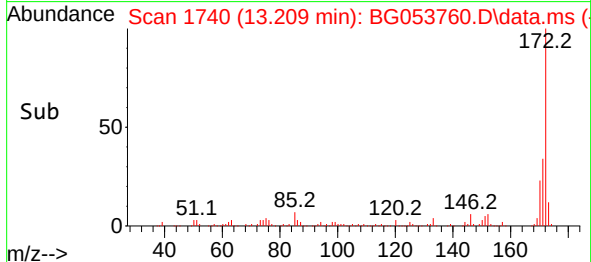
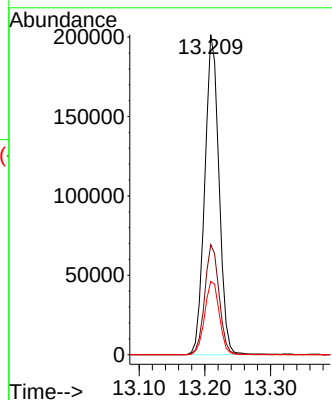
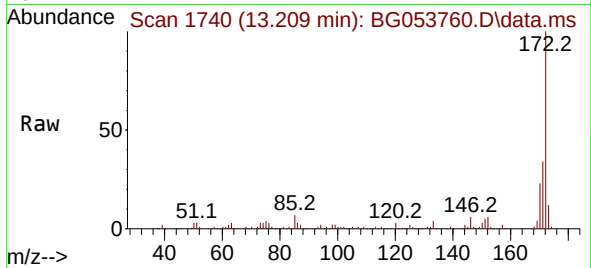




#45  
2-Fluorobiphenyl  
Concen: 28.056 ng  
RT: 13.209 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

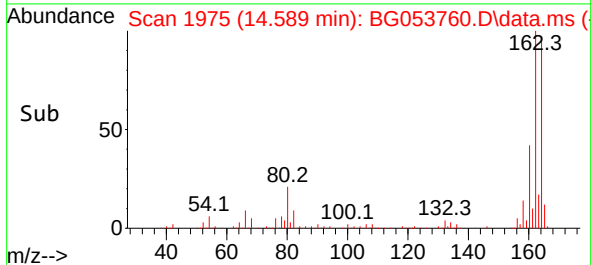
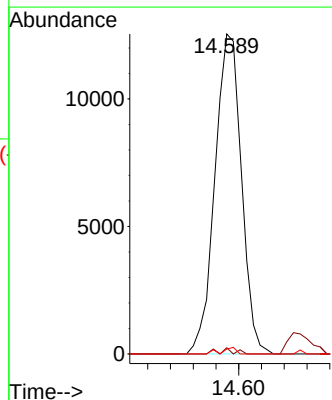
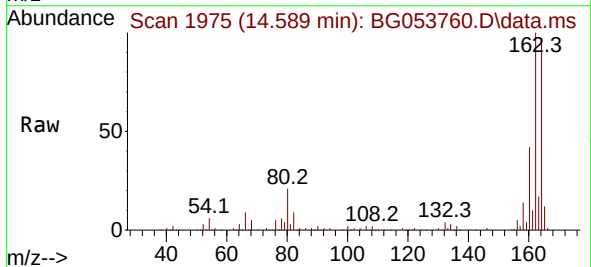
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

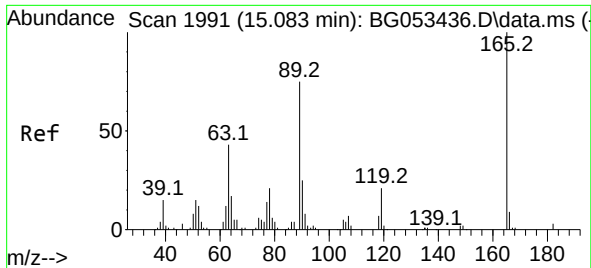
Tgt Ion:172 Resp: 304528  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.5 42.7  
170 22.9 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.283 ng  
RT: 14.589 min Scan# 1975  
Delta R.T. 0.417 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:165 Resp: 20340  
Ion Ratio Lower Upper  
165 100  
63 1.9 54.1 81.1#  
89 1.5 54.8 82.2#

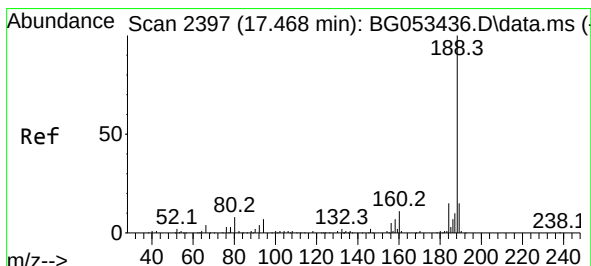
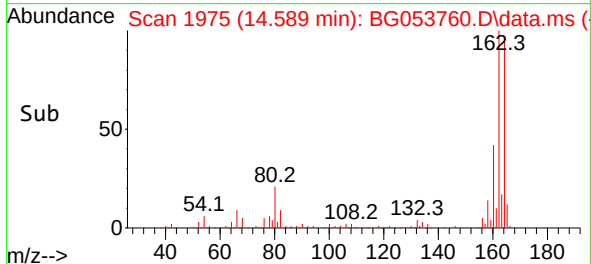
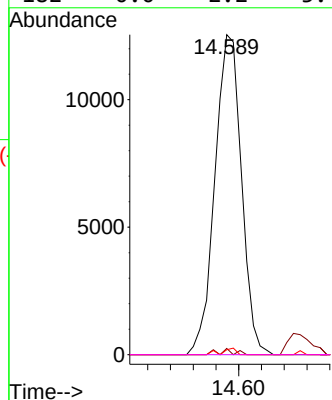
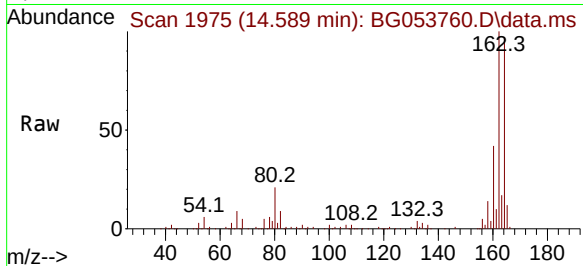




#57  
2,4-Dinitrotoluene  
Concen: 5.714 ng  
RT: 14.589 min Scan# 14  
Delta R.T. -0.376 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

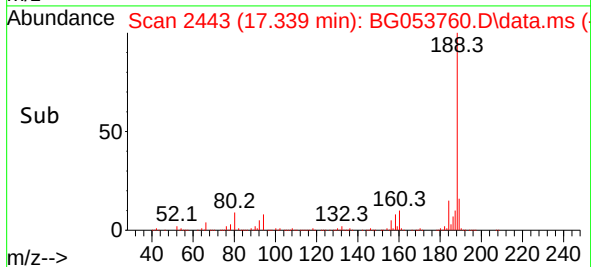
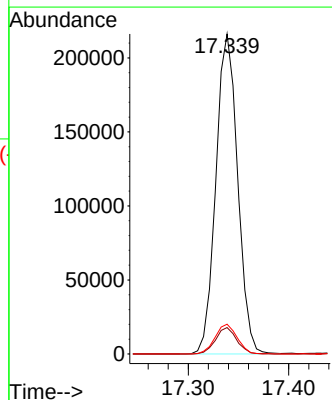
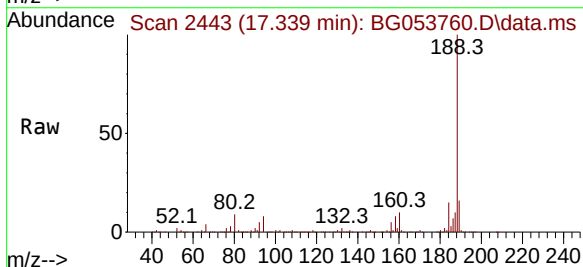
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

Tgt Ion:165 Resp: 20340  
Ion Ratio Lower Upper  
165 100  
63 1.9 34.6 52.0#  
89 1.5 60.3 90.5#  
182 0.0 2.2 3.4#

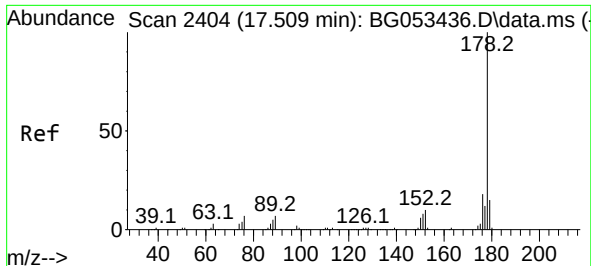


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.339 min Scan# 2443  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:188 Resp: 325508  
Ion Ratio Lower Upper  
188 100  
94 8.3 5.4 8.0#  
80 9.3 6.8 10.2



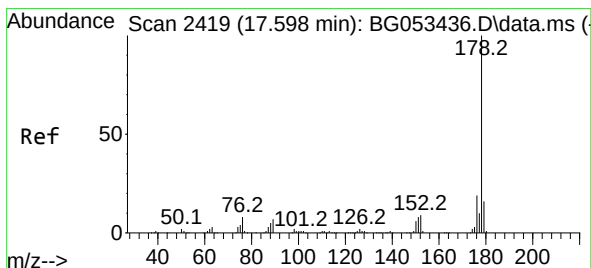
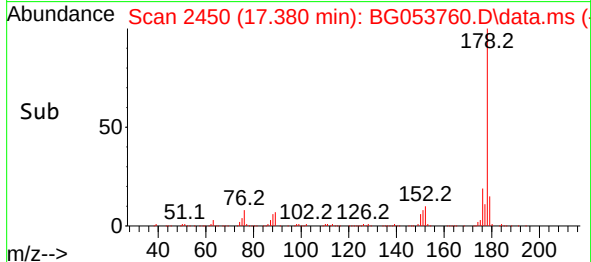
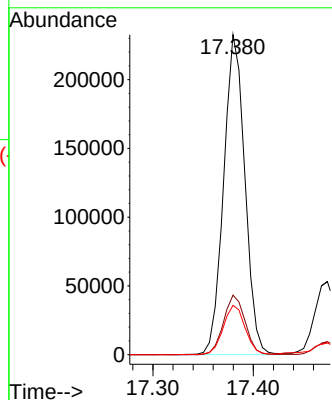
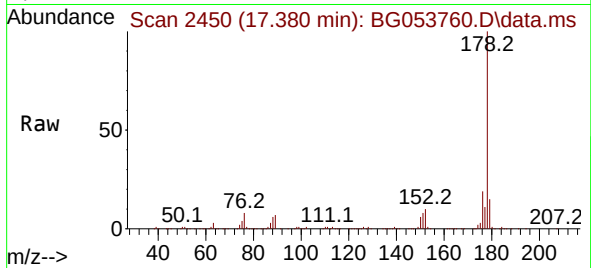




#71  
Phenanthrene  
Concen: 20.616 ng  
RT: 17.380 min Scan# 24  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

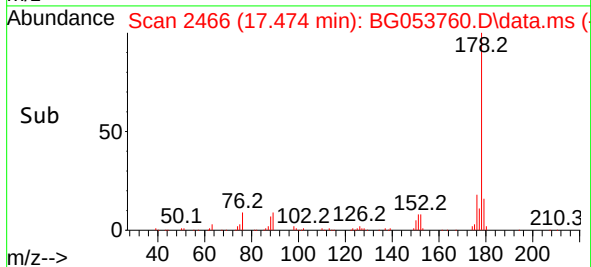
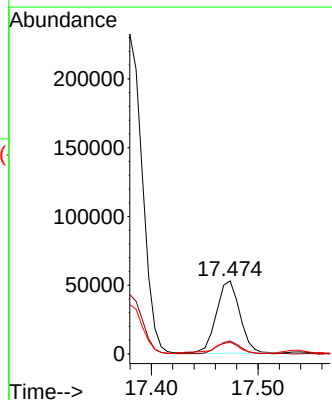
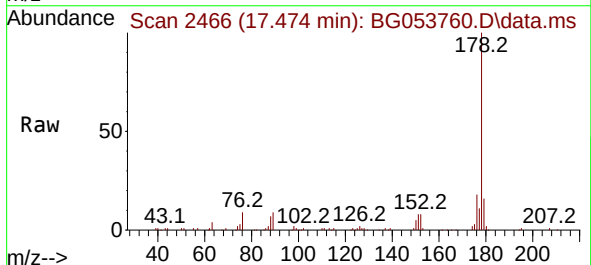
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

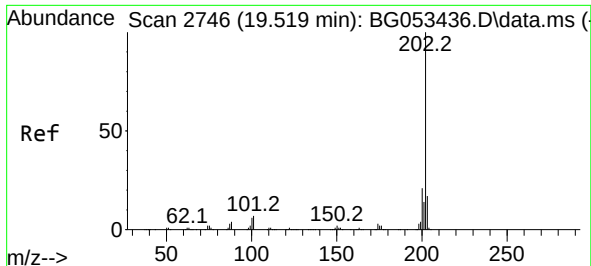
Tgt Ion:178 Resp: 341219  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.1 21.1  
179 15.4 12.1 18.1



#72  
Anthracene  
Concen: 4.945 ng  
RT: 17.474 min Scan# 2466  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:178 Resp: 80447  
Ion Ratio Lower Upper  
178 100  
176 17.8 15.2 22.8  
179 16.3 13.0 19.4

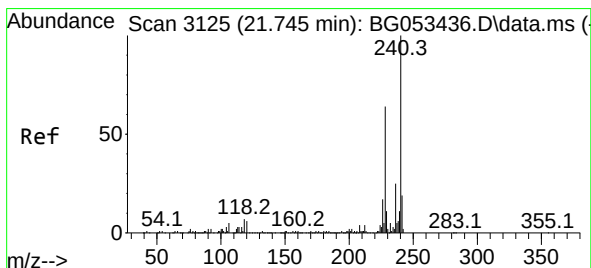
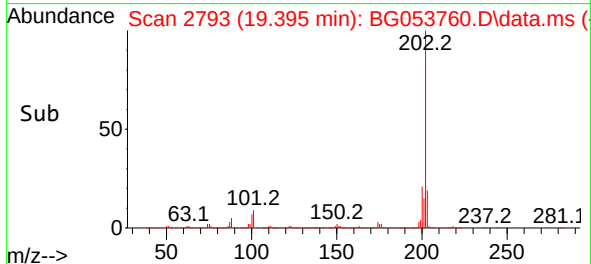
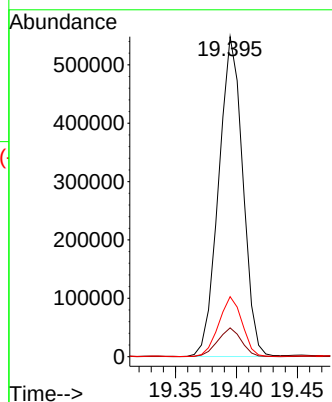
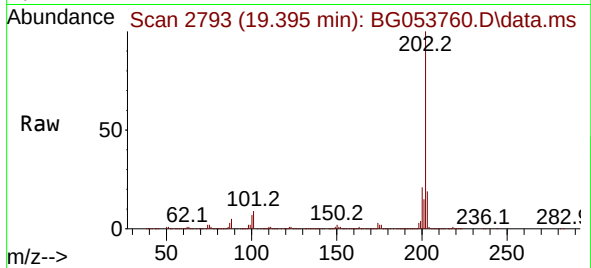




#75  
Fluoranthene  
Concen: 35.268 ng  
RT: 19.395 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

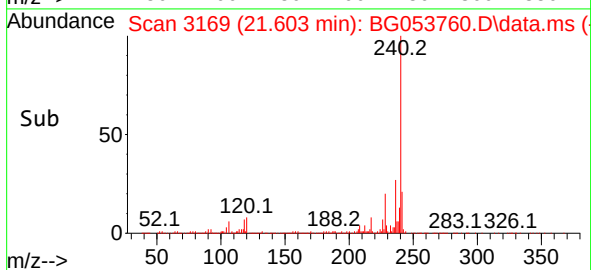
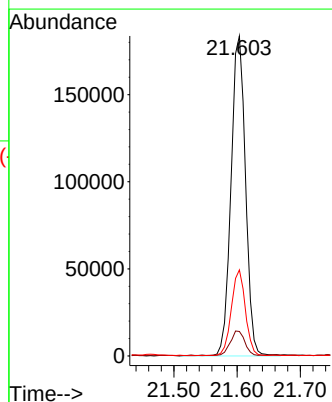
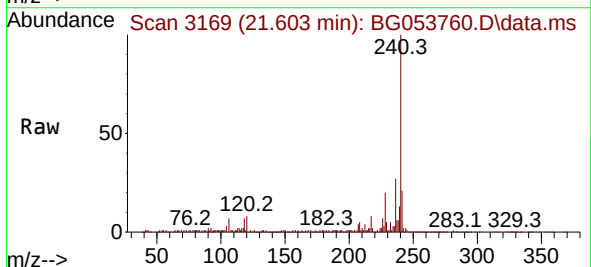
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

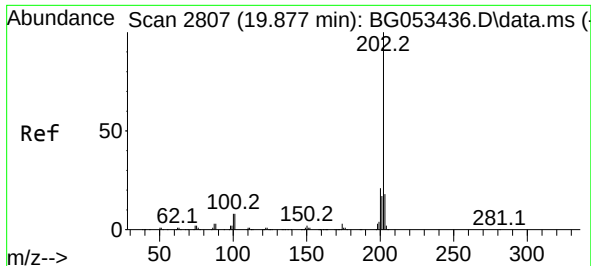
Tgt Ion:202 Resp: 755833  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 26.9  
203 18.8 0.0 37.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.603 min Scan# 3169  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:240 Resp: 292461  
Ion Ratio Lower Upper  
240 100  
120 7.7 4.6 7.0#  
236 26.9 20.2 30.4

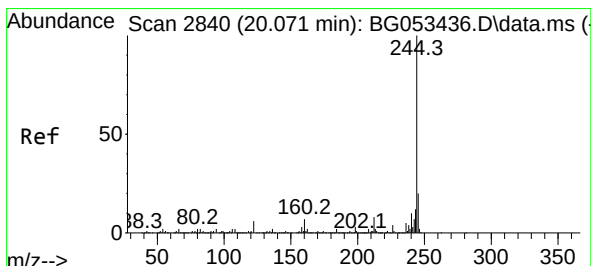
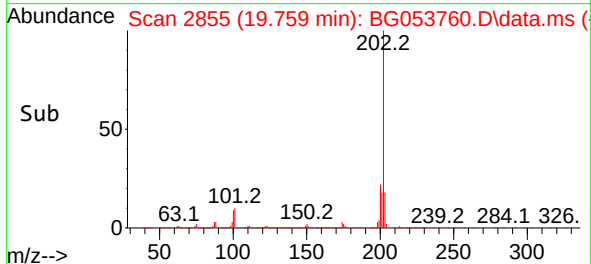
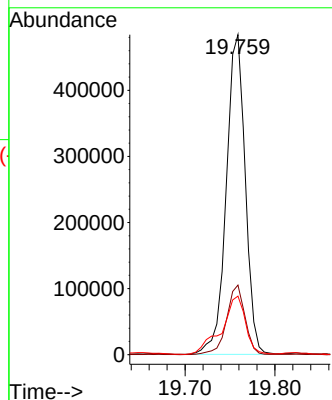
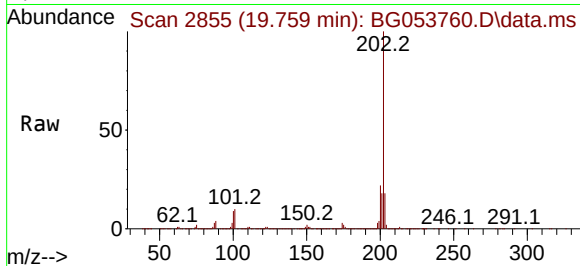




#78  
Pyrene  
Concen: 37.495 ng  
RT: 19.759 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

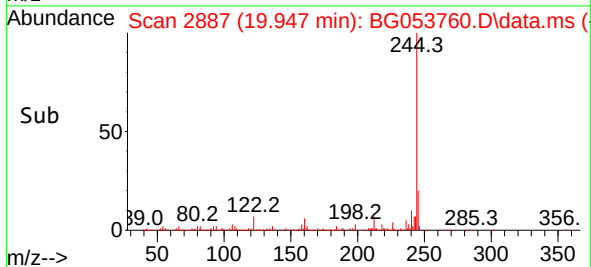
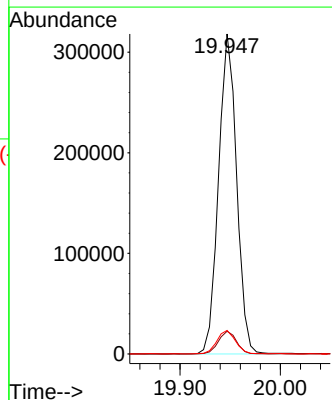
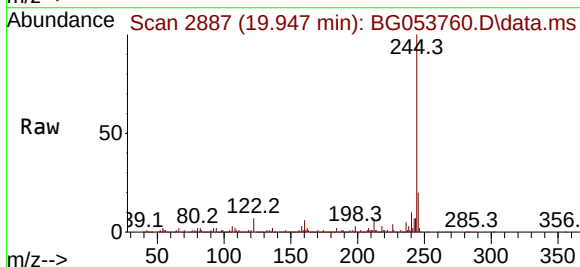
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

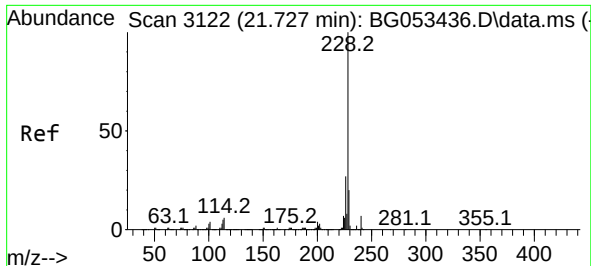
Tgt Ion:202 Resp: 709871  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.6 24.8  
203 18.3 14.6 21.8



#79  
Terphenyl-d14  
Concen: 25.303 ng  
RT: 19.947 min Scan# 2887  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:244 Resp: 397324  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.5 9.7  
122 7.3 5.0 7.4

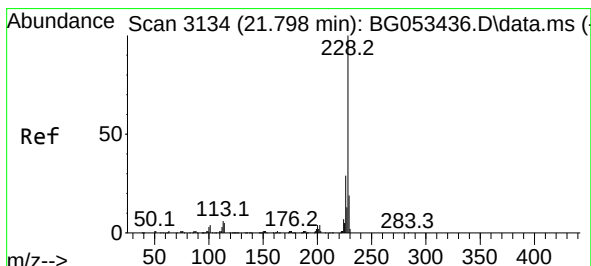
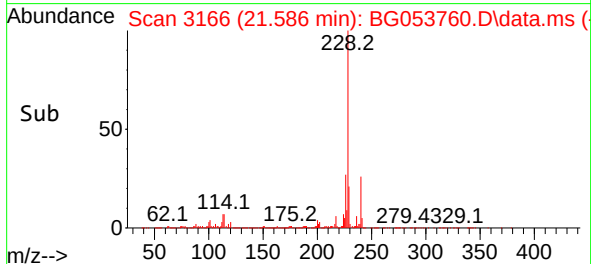
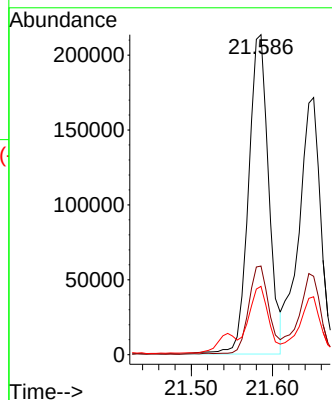
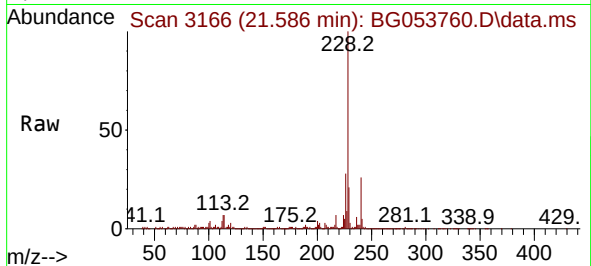




#81  
Benzo(a)anthracene  
Concen: 19.750 ng  
RT: 21.586 min Scan# 31166  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

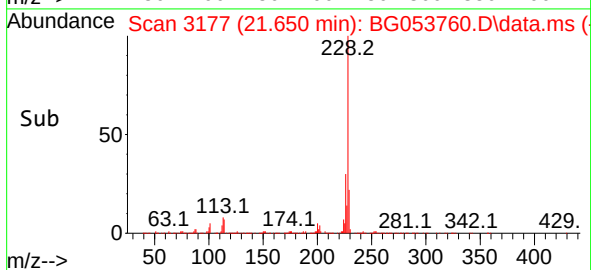
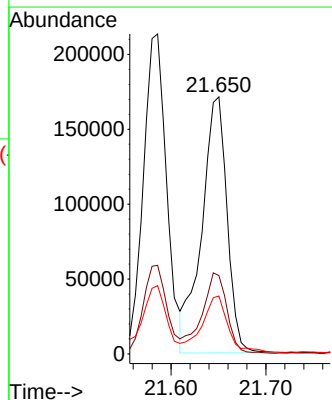
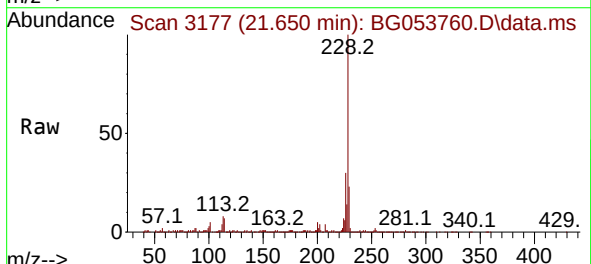
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

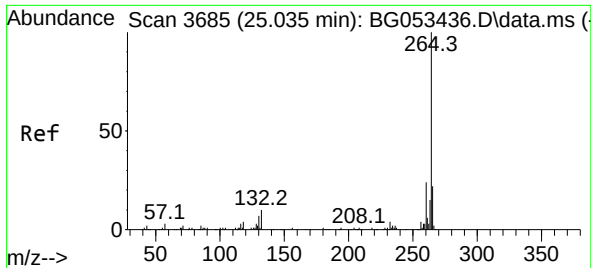
Tgt Ion:228 Resp: 368418  
Ion Ratio Lower Upper  
228 100  
226 27.7 21.6 32.4  
229 21.4 16.2 24.2



#83  
Chrysene  
Concen: 18.256 ng  
RT: 21.650 min Scan# 3177  
Delta R.T. 0.000 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:228 Resp: 318063  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.4 35.2  
229 22.5 15.5 23.3

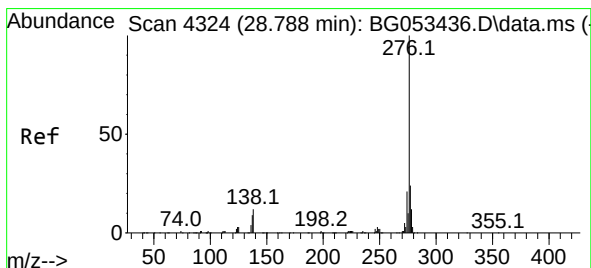
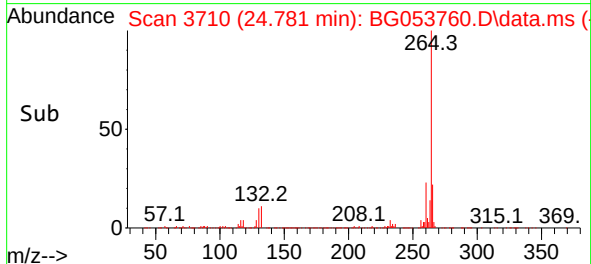
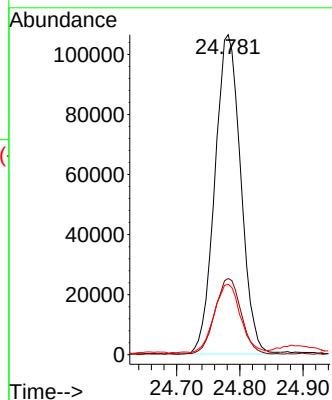
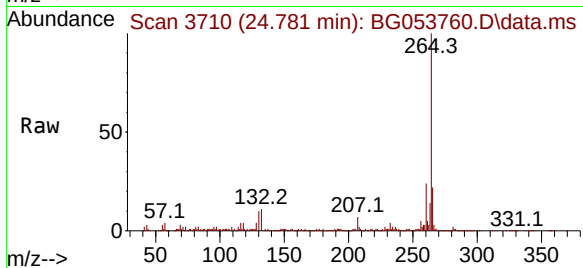




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.781 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: BG053760.D  
 Acq: 28 May 2022 21:11

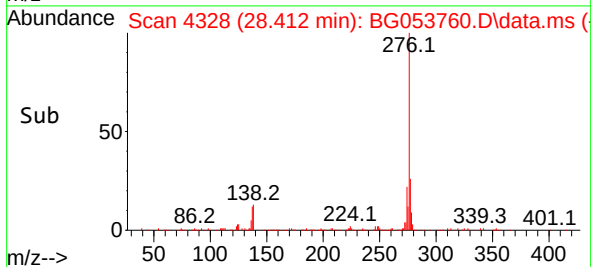
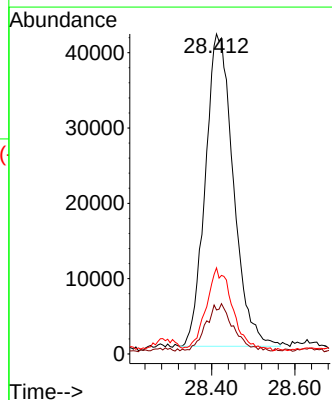
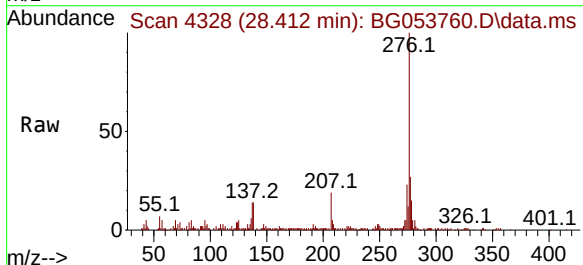
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-01-COMPDL

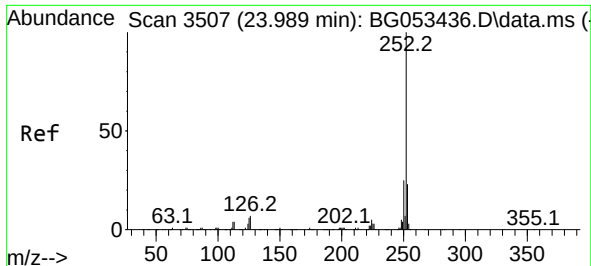
Tgt Ion:264 Resp: 302507  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.0 28.6  
 265 22.0 17.4 26.2



#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.211 ng  
 RT: 28.412 min Scan# 4328  
 Delta R.T. -0.023 min  
 Lab File: BG053760.D  
 Acq: 28 May 2022 21:11

Tgt Ion:276 Resp: 194060  
 Ion Ratio Lower Upper  
 276 100  
 138 14.5 5.0 7.4#  
 277 25.2 20.3 30.5

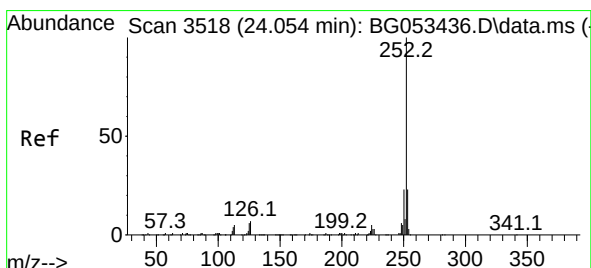
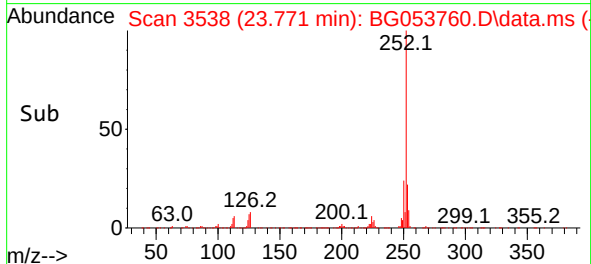
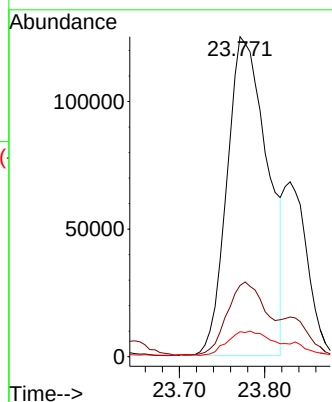
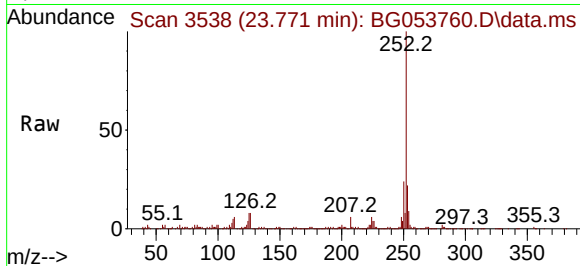




#88  
Benzo(b)fluoranthene  
Concen: 23.056 ng  
RT: 23.771 min Scan# 3538  
Delta R.T. -0.006 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

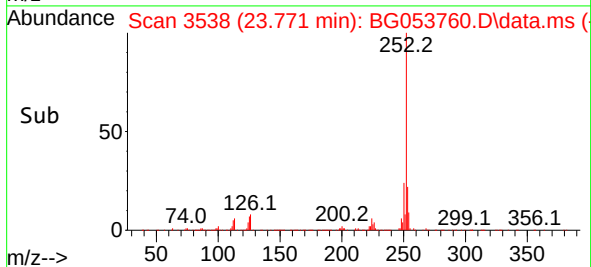
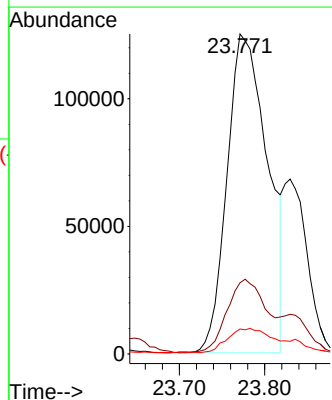
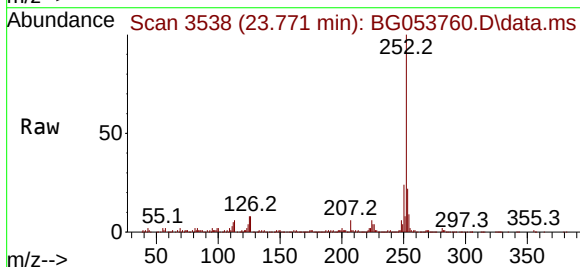
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

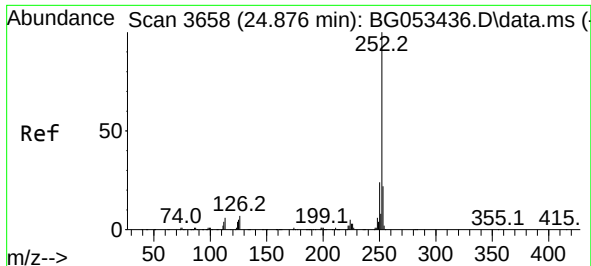
Tgt Ion:252 Resp: 412831  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.0 27.0  
125 7.8 4.6 6.8#



#89  
Benzo(k)fluoranthene  
Concen: 23.462 ng  
RT: 23.771 min Scan# 3538  
Delta R.T. -0.070 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:252 Resp: 412831  
Ion Ratio Lower Upper  
252 100  
253 22.3 18.4 27.6  
125 7.8 4.8 7.2#

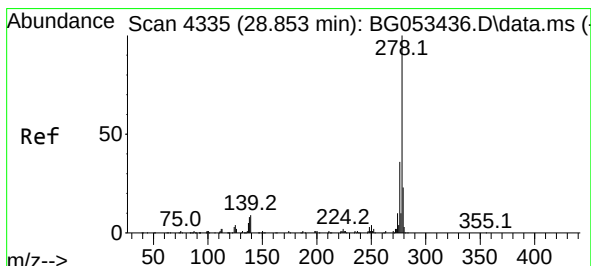
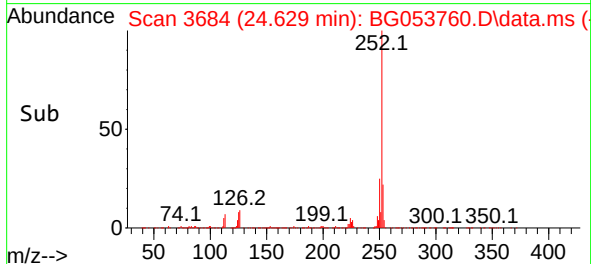
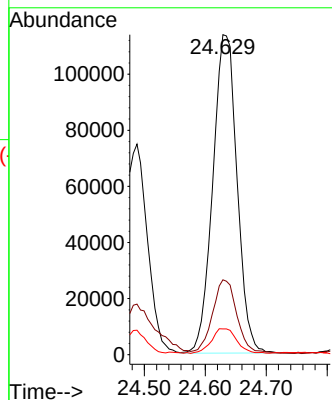
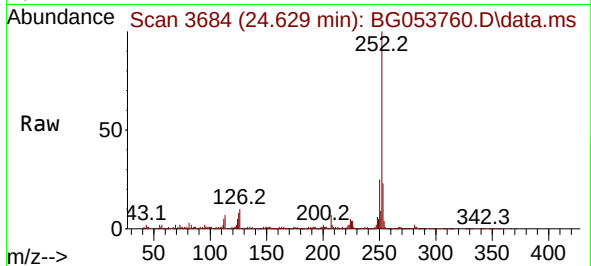




#90  
Benzo(a)pyrene  
Concen: 20.594 ng  
RT: 24.629 min Scan# 30  
Delta R.T. -0.012 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

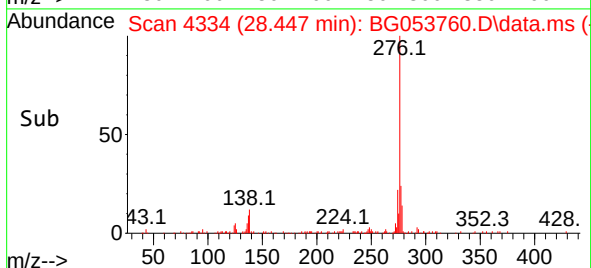
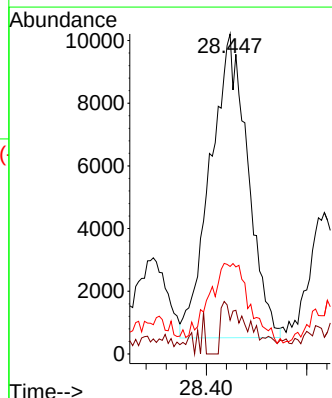
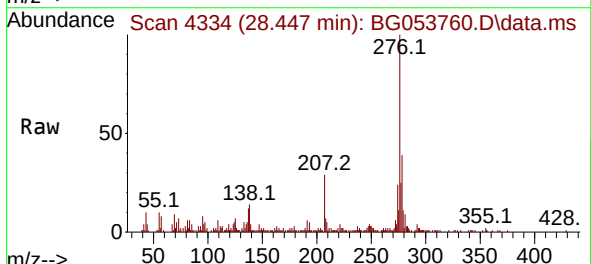
Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

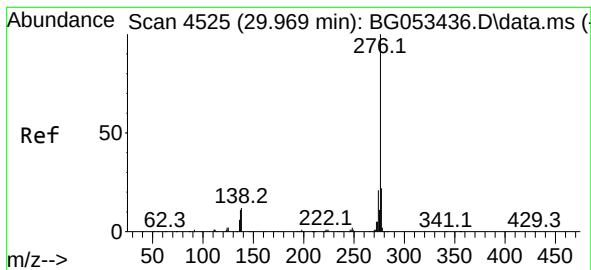
Tgt Ion:252 Resp: 313869  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.8 26.8  
125 8.0 4.3 6.5#



#91  
Dibenzo(a,h)anthracene  
Concen: 2.884 ng  
RT: 28.447 min Scan# 4334  
Delta R.T. -0.035 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Tgt Ion:278 Resp: 50063  
Ion Ratio Lower Upper  
278 100  
139 10.5 7.2 10.8  
279 27.4 18.6 27.8





#92  
Benzo(g,h,i)perylene  
Concen: 10.802 ng  
RT: 29.557 min Scan# 4  
Delta R.T. -0.012 min  
Lab File: BG053760.D  
Acq: 28 May 2022 21:11

Instrument :  
BNA\_G  
ClientSampleId :  
TP-01-COMPDL

Tgt Ion:276 Resp: 185897  
Ion Ratio Lower Upper  
276 100  
277 24.0 17.3 25.9  
138 14.7 9.6 14.4#

