

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101921\  
 Data File : BG050640.D  
 Acq On : 19 Oct 2021 18:32  
 Operator : CG/JU  
 Sample : M4249-11  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP2-(D)

Quant Time: Oct 20 04:47:45 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 2021  
 Response via : Initial Calibration

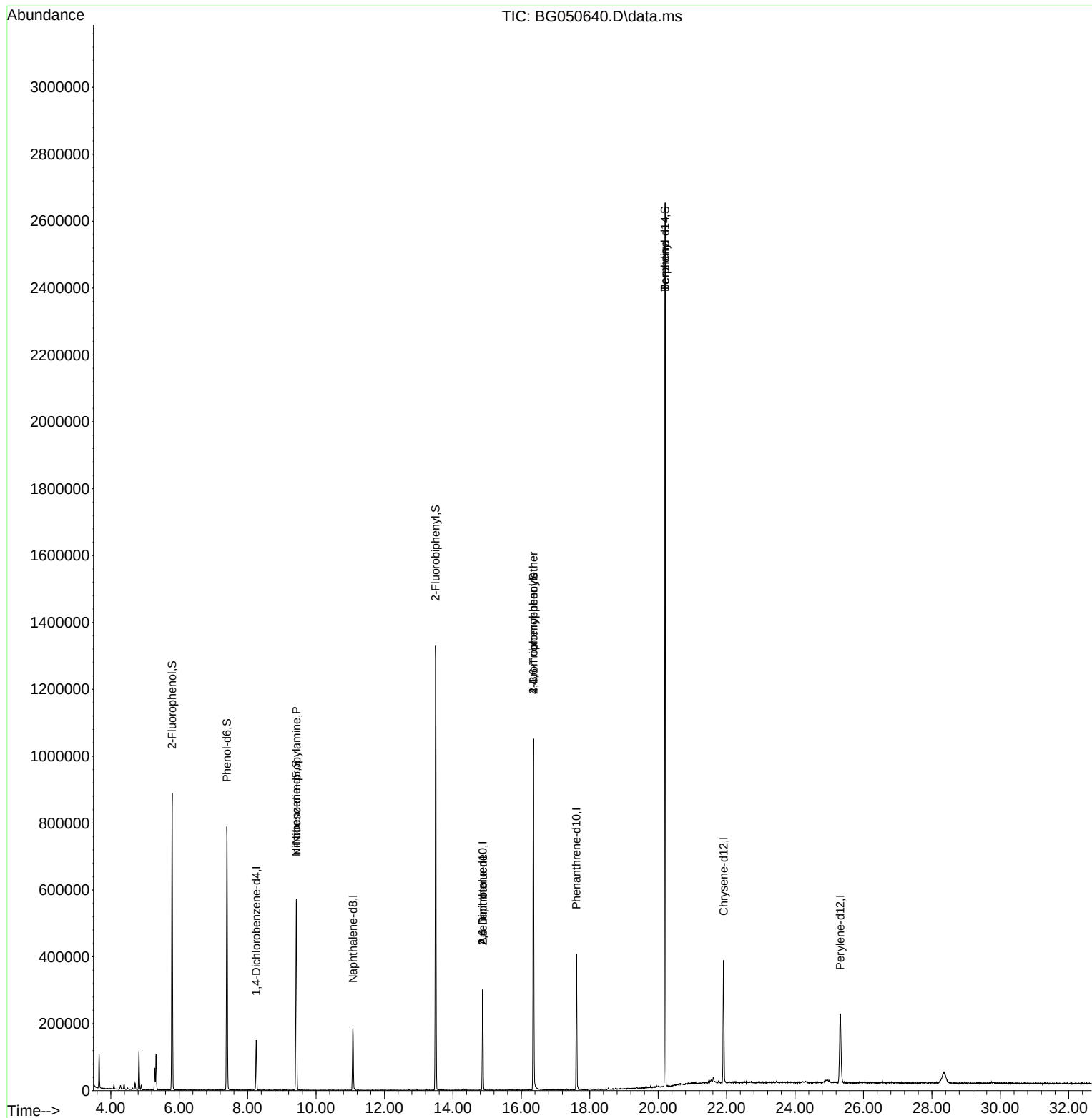
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.252  | 152  | 38450    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.079 | 136  | 158446   | 20.000    | ng     | # 0.00   |
| 39) Acenaphthene-d10          | 14.868 | 164  | 103927   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.612 | 188  | 248760   | 20.000    | ng     | # 0.00   |
| 76) Chrysene-d12              | 21.913 | 240  | 226249   | 20.000    | ng     | #-0.01   |
| 86) Perylene-d12              | 25.321 | 264  | 221823   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.796  | 112  | 359138   | 139.689   | ng     | 0.00     |
| 7) Phenol-d6                  | 7.395  | 99   | 444206   | 119.335   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.422  | 82   | 377323   | 98.580    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.355 | 330  | 159668   | 161.072   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.493 | 172  | 670372   | 97.081    | ng     | -0.01    |
| 79) Terphenyl-d14             | 20.203 | 244  | 1144766  | 98.606    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 7.400  | 77   | 1102     | Below Cal | #      | 10       |
| 19) n-Nitroso-di-n-propyla... | 9.428  | 70   | 53238    | 19.623    | ng     | # 71     |
| 51) 2,6-Dinitrotoluene        | 14.868 | 165  | 13491    | 8.574     | ng     | # 11     |
| 57) 2,4-Dinitrotoluene        | 14.868 | 165  | 13491    | 6.083     | ng     | # 16     |
| 67) 4-Bromophenyl-phenylether | 16.355 | 248  | 13210    | 5.270     | ng     | # 1      |
| 77) Benzidine                 | 20.203 | 184  | 22628    | 3.086     | ng     | # 92     |
| -----                         |        |      |          |           |        |          |

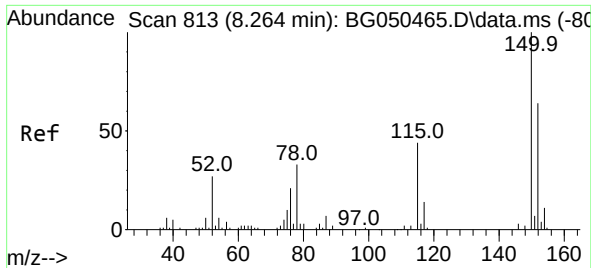
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101921\  
Data File : BG050640.D  
Acq On : 19 Oct 2021 18:32  
Operator : CG/JU  
Sample : M4249-11  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

Quant Time: Oct 20 04:47:45 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 14 10:56:22 2021  
Response via : Initial Calibration

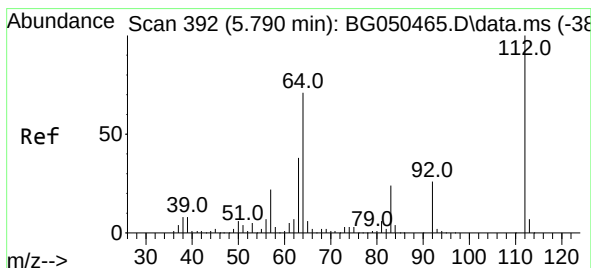
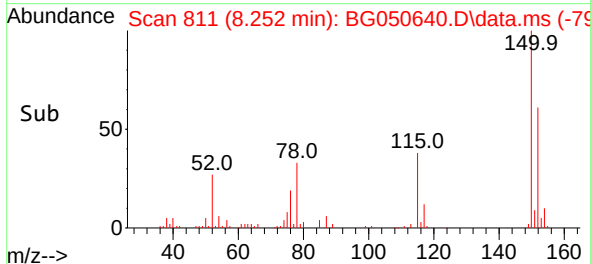
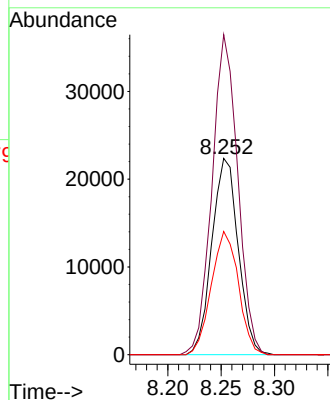
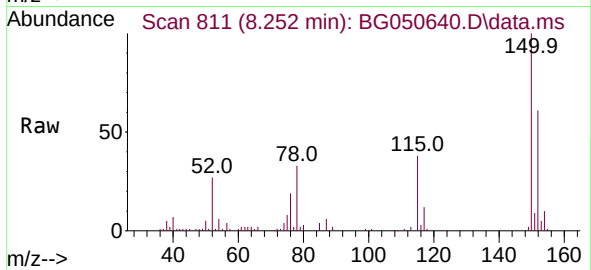




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.252 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

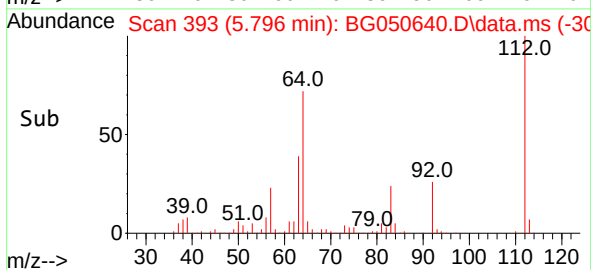
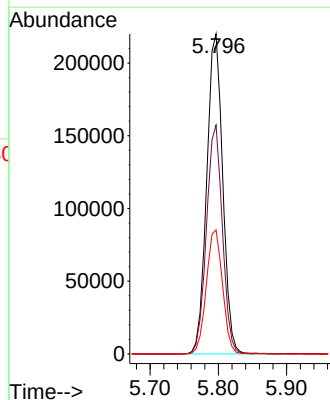
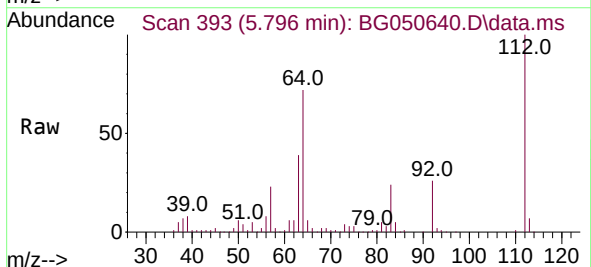
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

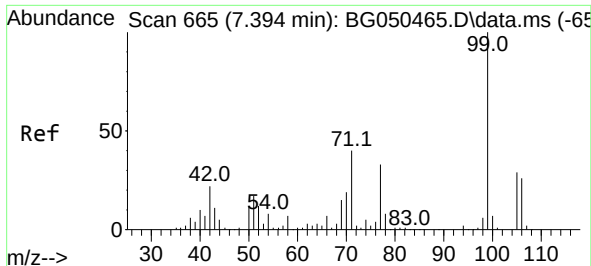
Tgt Ion:152 Resp: 38450  
Ion Ratio Lower Upper  
152 100  
150 163.0 119.4 179.0  
115 62.8 60.2 90.4



#5  
2-Fluorophenol  
Concen: 139.689 ng  
RT: 5.796 min Scan# 393  
Delta R.T. 0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Tgt Ion:112 Resp: 359138  
Ion Ratio Lower Upper  
112 100  
64 71.5 46.7 70.1#  
63 38.8 35.3 52.9

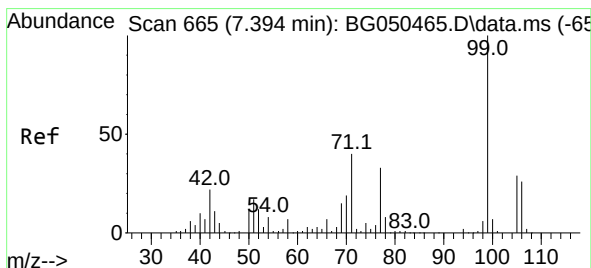
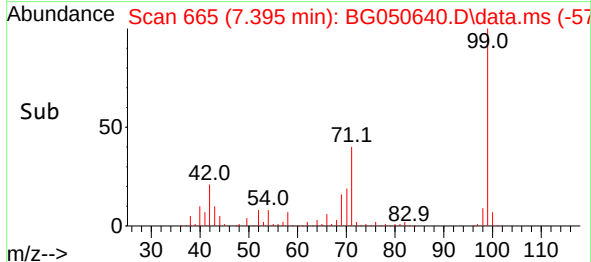
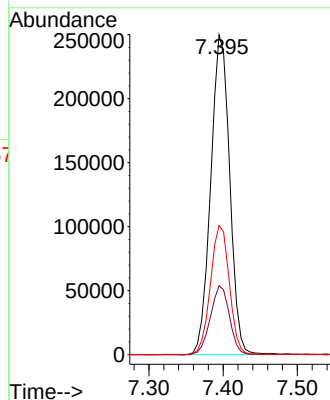
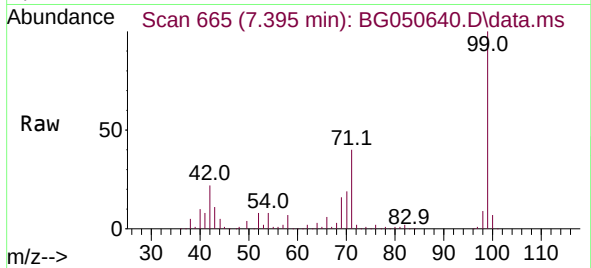




#7  
Phenol-d6  
Concen: 119.335 ng  
RT: 7.395 min Scan# 665  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

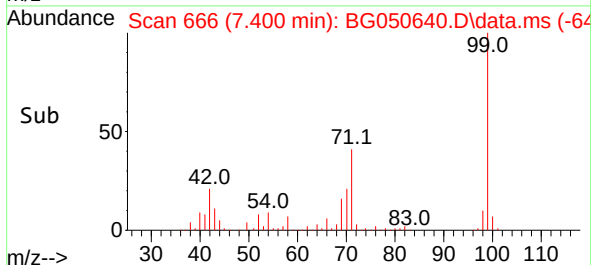
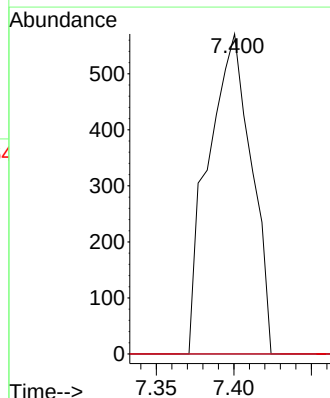
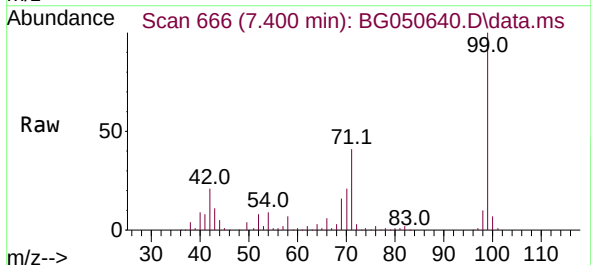
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

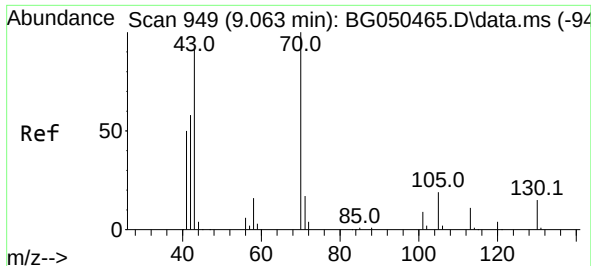
Tgt Ion: 99 Resp: 444206  
Ion Ratio Lower Upper  
99 100  
42 21.5 20.5 30.7  
71 40.3 41.5 62.3#



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.400 min Scan# 666  
Delta R.T. 0.012 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Tgt Ion: 77 Resp: 1102  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.8 108.8#  
106 0.0 47.9 87.9#

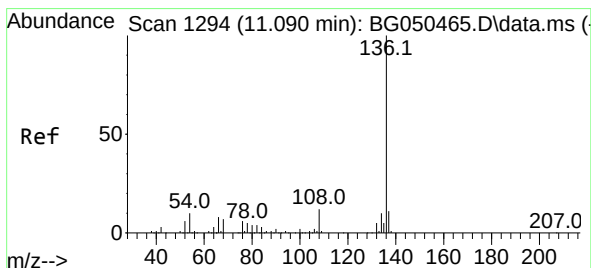
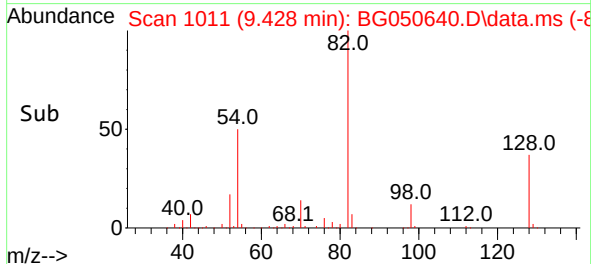
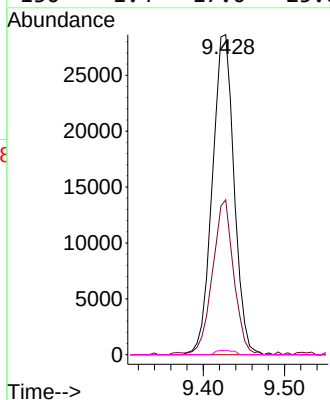
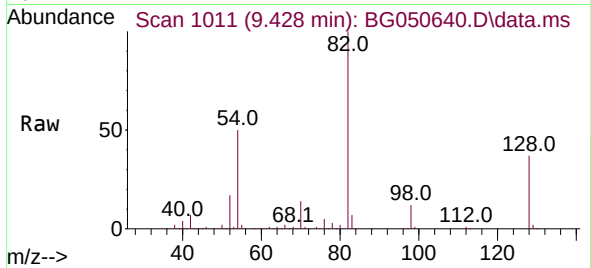




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.623 ng  
RT: 9.428 min Scan# 1011  
Delta R.T. 0.370 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

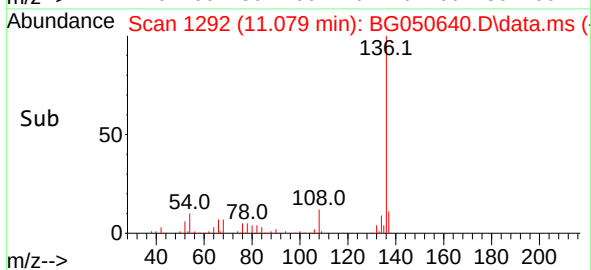
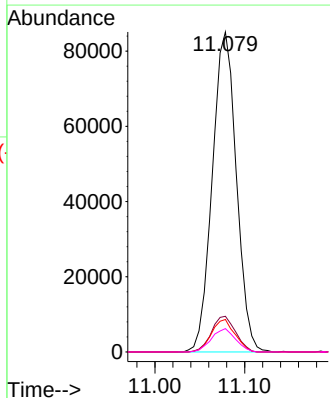
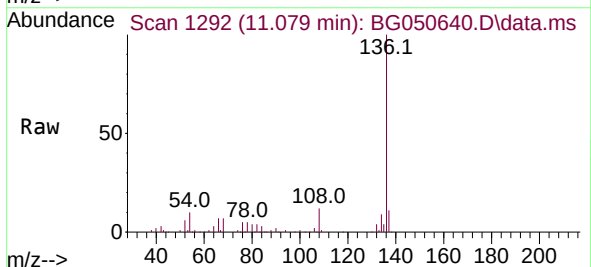
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

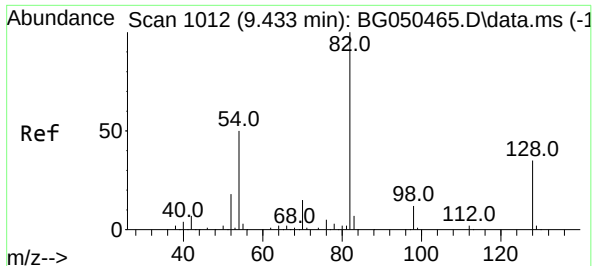
Tgt Ion: 70 Resp: 53238  
Ion Ratio Lower Upper  
70 100  
42 48.4 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.4 17.0 25.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.079 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Tgt Ion:136 Resp: 158446  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.2 12.2  
54 10.1 5.5 8.3#  
68 7.3 2.3 3.5#

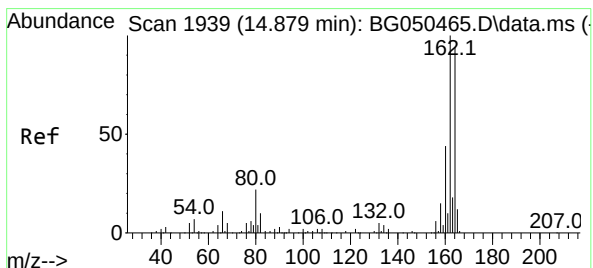
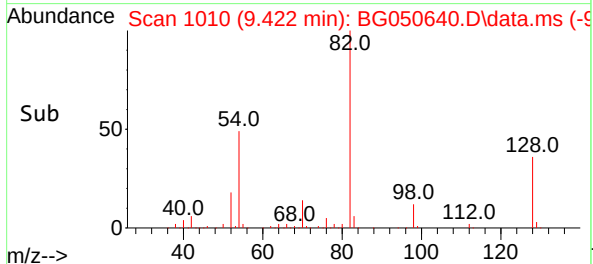
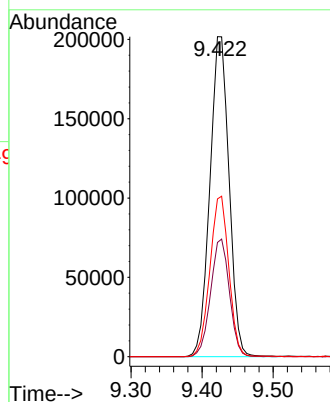
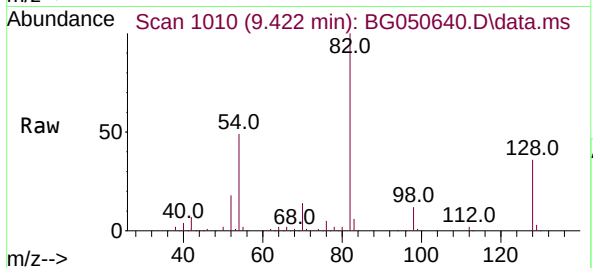




#23  
Nitrobenzene-d5  
Concen: 98.580 ng  
RT: 9.422 min Scan# 1010  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

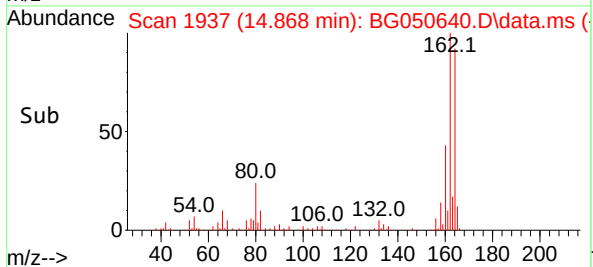
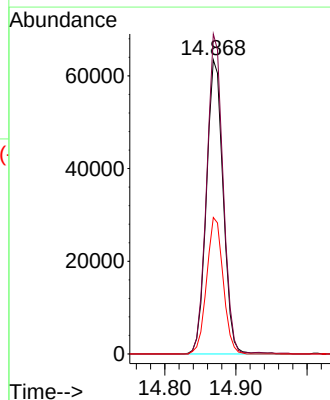
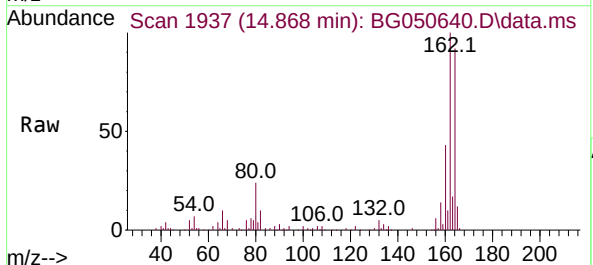
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

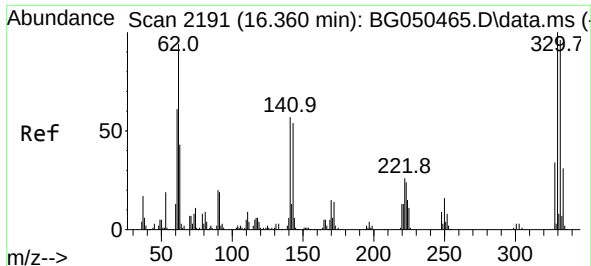
Tgt Ion: 82 Resp: 377323  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.8 44.6  
54 49.3 45.8 68.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

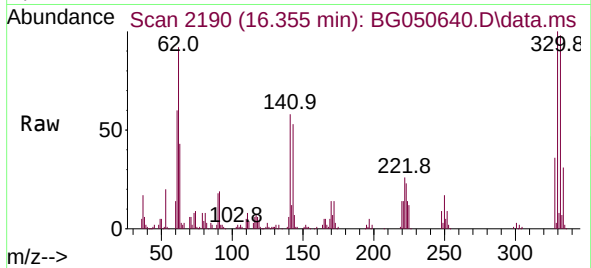
Tgt Ion:164 Resp: 103927  
Ion Ratio Lower Upper  
164 100  
162 108.8 81.4 122.0  
160 46.4 34.9 52.3



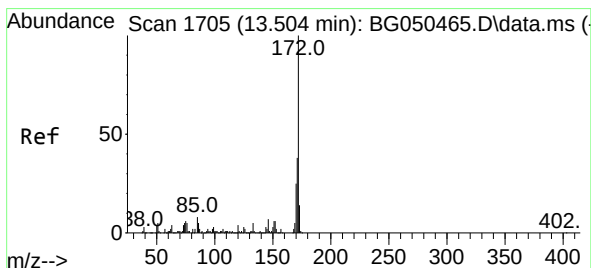
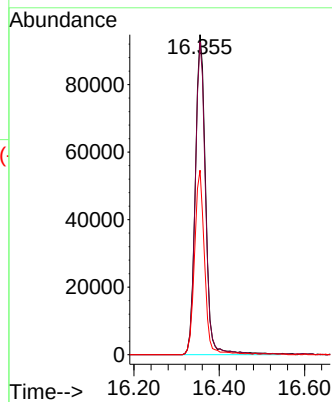
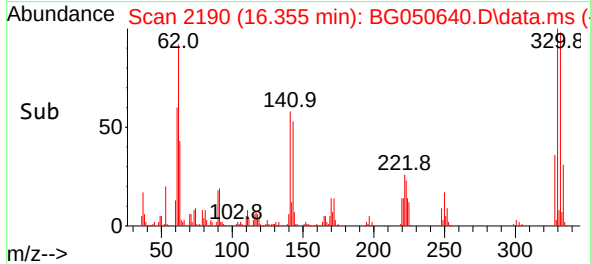


#42  
2,4,6-Tribromophenol  
Concen: 161.072 ng  
RT: 16.355 min Scan# 2190  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

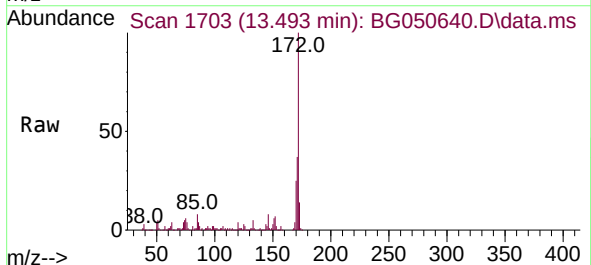
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)



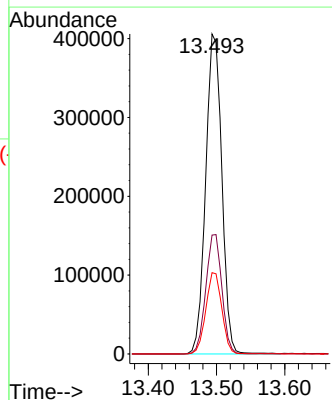
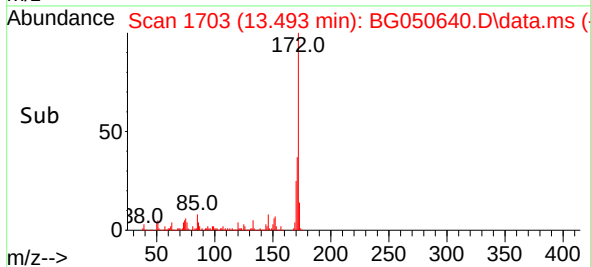
Tgt Ion:330 Resp: 159668  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.3 115.9  
141 55.9 35.6 53.4#

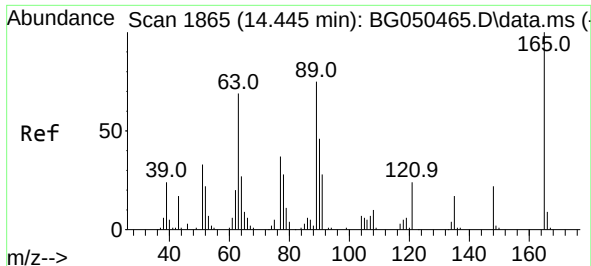


#45  
2-Fluorobiphenyl  
Concen: 97.081 ng  
RT: 13.493 min Scan# 1703  
Delta R.T. -0.012 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32



Tgt Ion:172 Resp: 670372  
Ion Ratio Lower Upper  
172 100  
171 37.2 28.6 43.0  
170 25.4 18.6 27.8

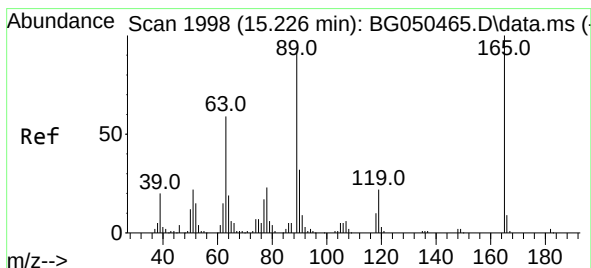
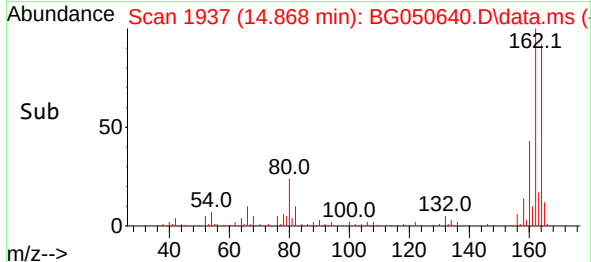
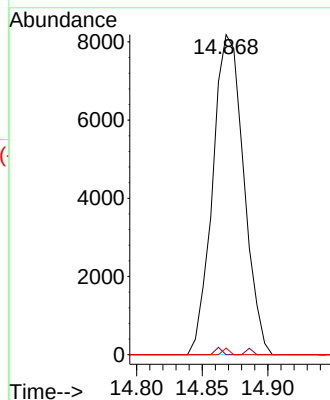
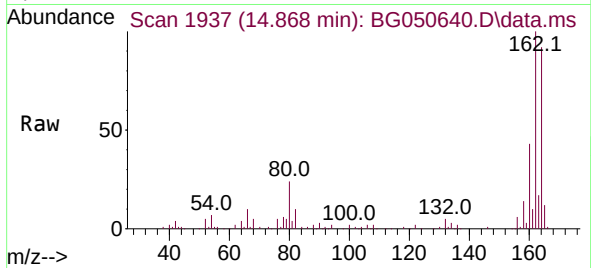




#51  
2,6-Dinitrotoluene  
Concen: 8.574 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. 0.423 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

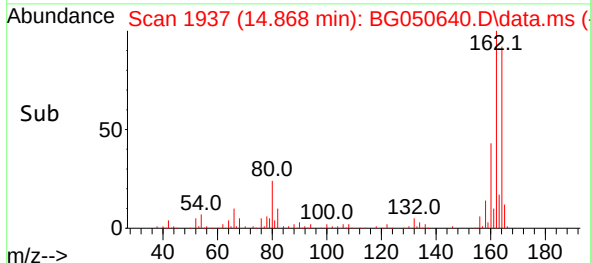
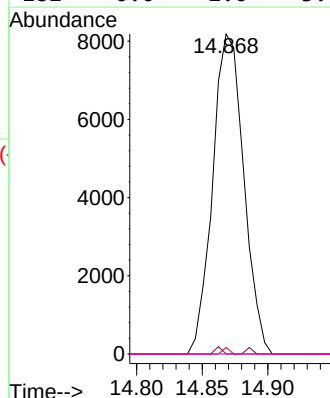
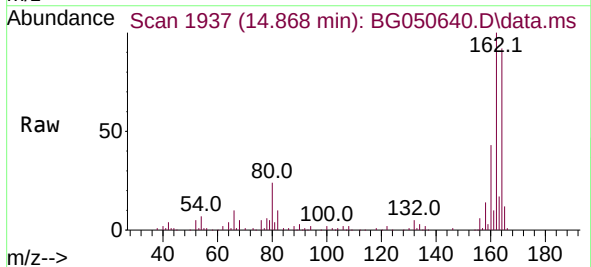
Instrument :  
BNA\_G  
ClientSampled :  
TP2-(D)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 63.3  | 94.9# |
| 89      | 2.1   | 63.4  | 95.0# |

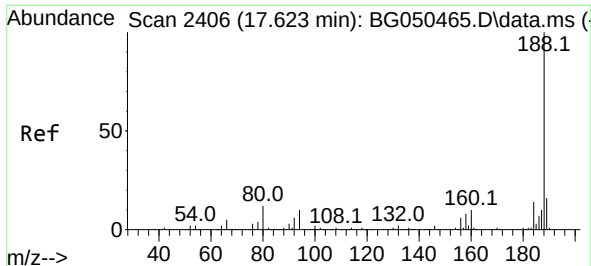


#57  
2,4-Dinitrotoluene  
Concen: 6.083 ng  
RT: 14.868 min Scan# 1937  
Delta R.T. -0.358 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.0  | 72.0# |
| 89      | 2.1   | 65.4  | 98.0# |
| 182     | 0.0   | 2.0   | 3.0#  |



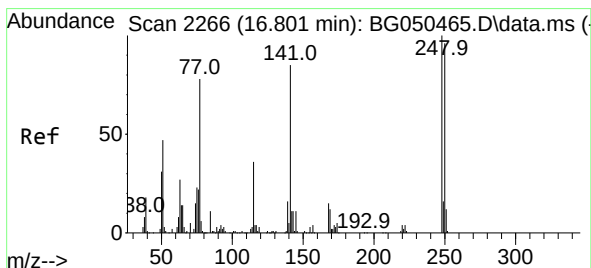
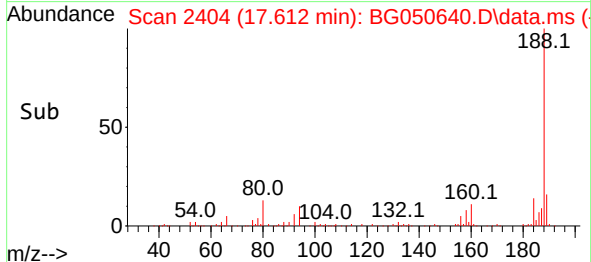
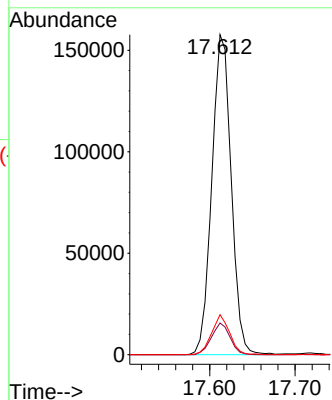
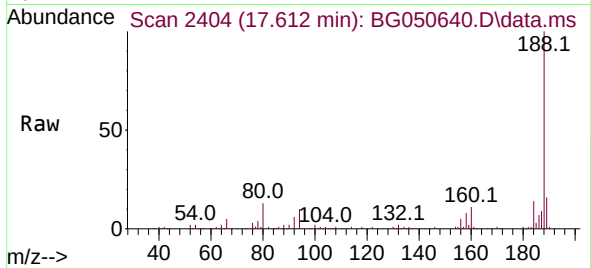




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.612 min Scan# 2404  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

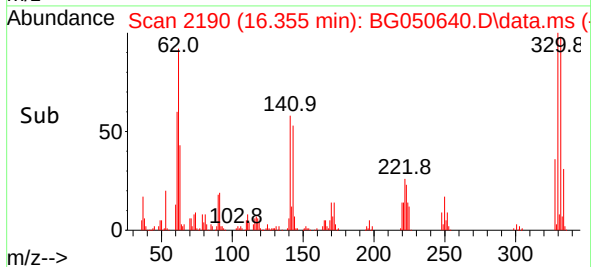
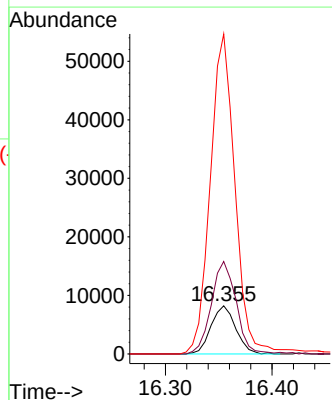
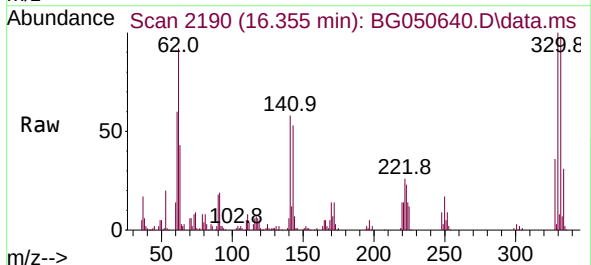
Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

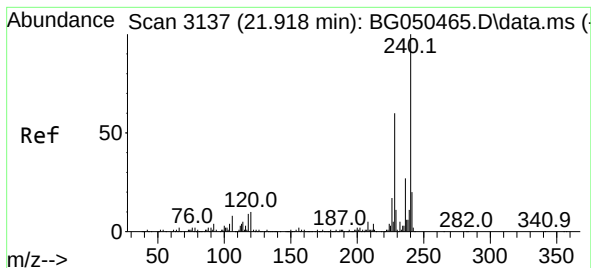
Tgt Ion:188 Resp: 248760  
Ion Ratio Lower Upper  
188 100  
94 9.9 5.4 8.0#  
80 12.5 3.7 5.5#



#67  
4-Bromophenyl-phenylether  
Concen: 5.270 ng  
RT: 16.355 min Scan# 2190  
Delta R.T. -0.447 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Tgt Ion:248 Resp: 13210  
Ion Ratio Lower Upper  
248 100  
250 192.2 76.1 114.1#  
141 664.6 65.4 98.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.913 min Scan# 3136

Delta R.T. -0.012 min

Lab File: BG050640.D

Acq: 19 Oct 2021 18:32

Tgt Ion:240 Resp: 226249

Ion Ratio Lower Upper

240 100

120 9.6 4.2 6.2#

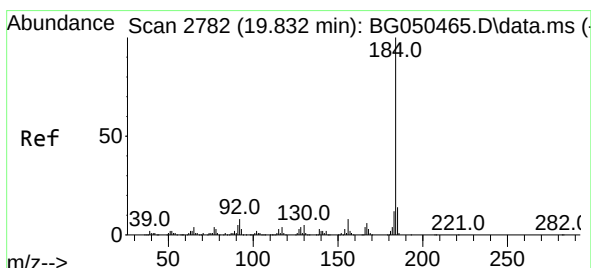
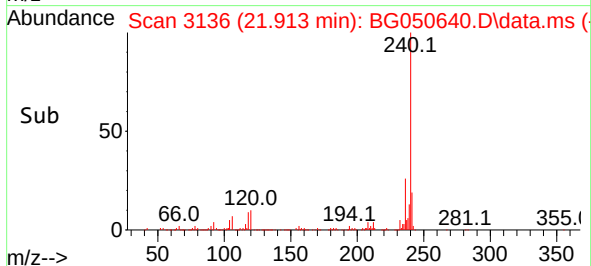
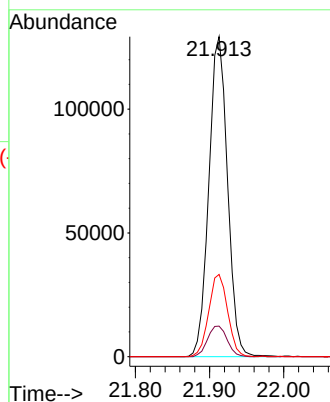
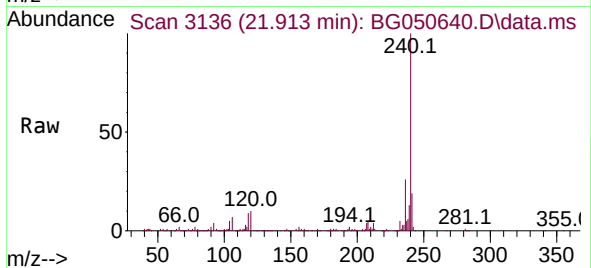
236 25.7 21.8 32.6

Instrument :

BNA\_G

ClientSampleId :

TP2-(D)



#77

Benzidine

Concen: 3.086 ng

RT: 20.203 min Scan# 2845

Delta R.T. 0.370 min

Lab File: BG050640.D

Acq: 19 Oct 2021 18:32

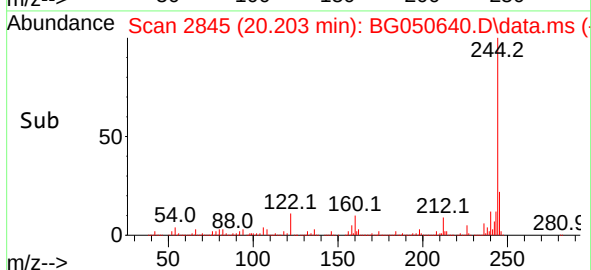
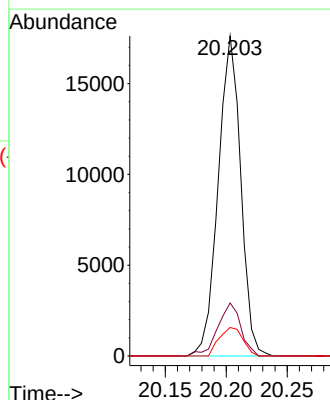
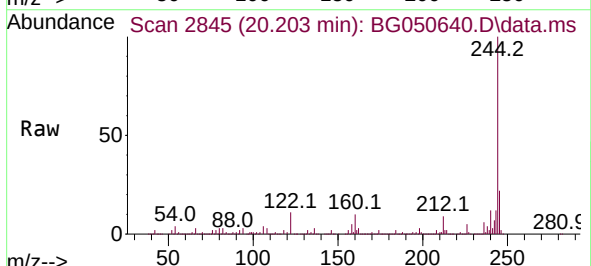
Tgt Ion:184 Resp: 22628

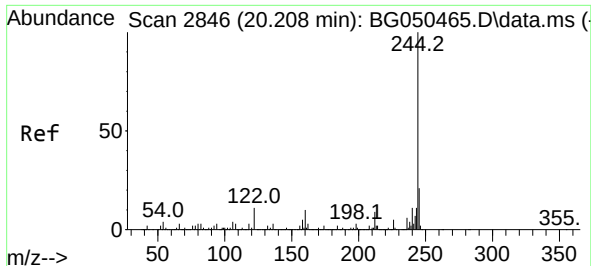
Ion Ratio Lower Upper

184 100

185 16.6 10.7 16.1#

183 8.9 9.4 14.0#

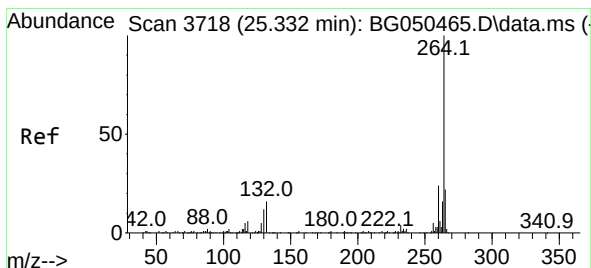
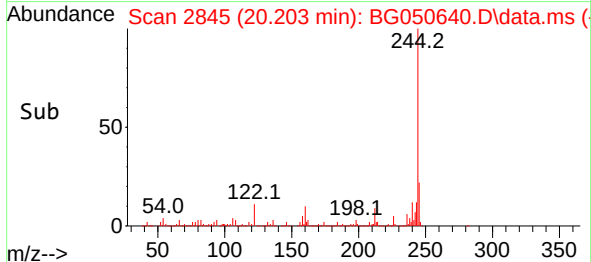
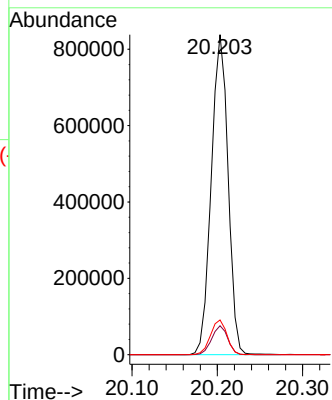
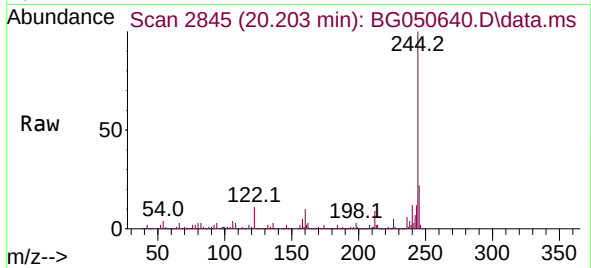




#79  
Terphenyl-d14  
Concen: 98.606 ng  
RT: 20.203 min Scan# 2845  
Delta R.T. -0.006 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Instrument :  
BNA\_G  
ClientSampleId :  
TP2-(D)

Tgt Ion:244 Resp: 1144766  
Ion Ratio Lower Upper  
244 100  
212 9.1 6.9 10.3  
122 10.8 5.0 7.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.321 min Scan# 3716  
Delta R.T. -0.012 min  
Lab File: BG050640.D  
Acq: 19 Oct 2021 18:32

Tgt Ion:264 Resp: 221823  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.4 29.2  
265 21.9 16.9 25.3

