

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060922\  
 Data File : BG053870.D  
 Acq On : 9 Jun 2022 21:13  
 Operator : CG/JU  
 Sample : N3270-15  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-11E

Quant Time: Jun 10 01:01:51 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 23:22:27 2022  
 Response via : Initial Calibration

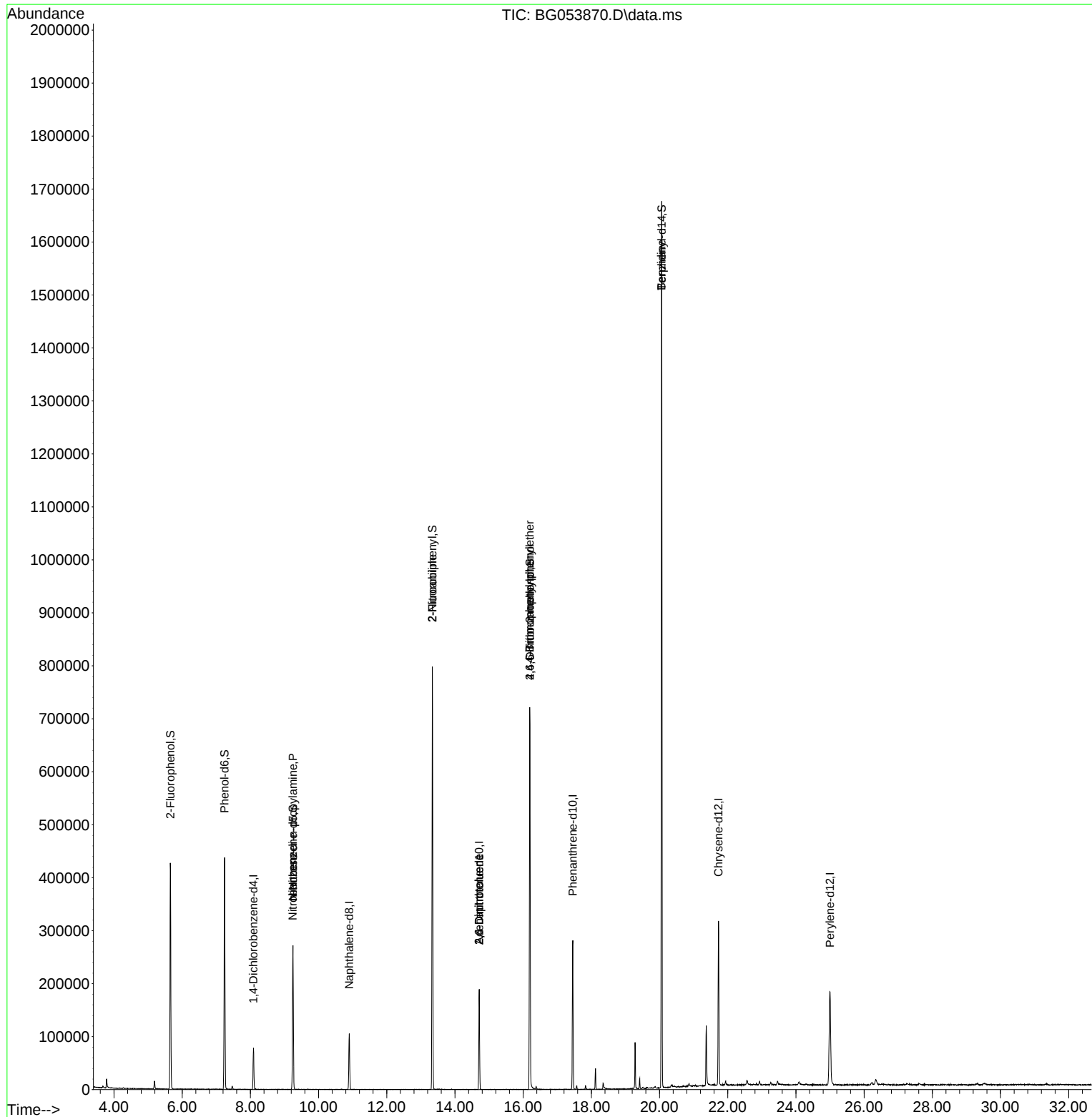
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.091  | 152  | 23807    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.899 | 136  | 96015    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.713 | 164  | 76620    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.456 | 188  | 203203   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.728 | 240  | 219448   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.995 | 264  | 224316   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.653  | 112  | 200118   | 154.361 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.245  | 99   | 263575   | 150.087 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.248  | 82   | 171240   | 117.117 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.199 | 330  | 182634   | 196.368 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.338 | 172  | 465287   | 90.847  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.065 | 244  | 978420   | 88.699  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.248  | 70   | 23098    | 18.570  | ng    | # 80     |
| 24) Nitrobenzene              | 9.242  | 77   | 658      | 3.351   | ng    | # 48     |
| 48) 2-Nitroaniline            | 13.338 | 65   | 765      | 5.674   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.713 | 165  | 10039    | 13.172  | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.713 | 165  | 10039    | 11.045  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 16.199 | 198  | 394      | 6.050   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.193 | 248  | 11516    | 5.216   | ng    | # 1      |
| 77) Benzidine                 | 20.059 | 184  | 12907    | 2.405   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

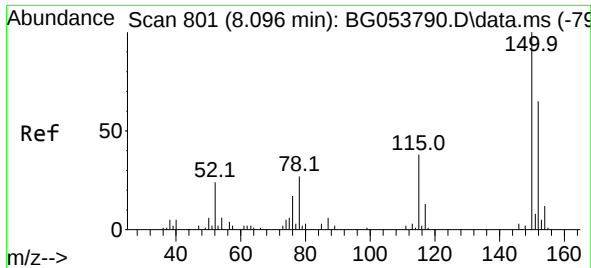
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 02 23:22:27 2022  
Response via : Initial Calibration

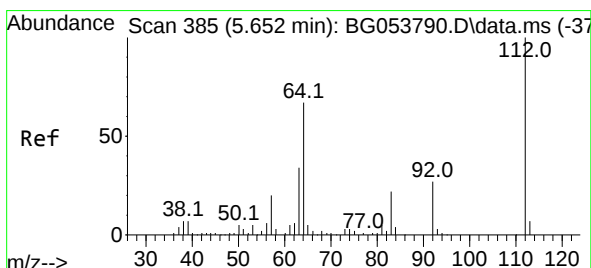
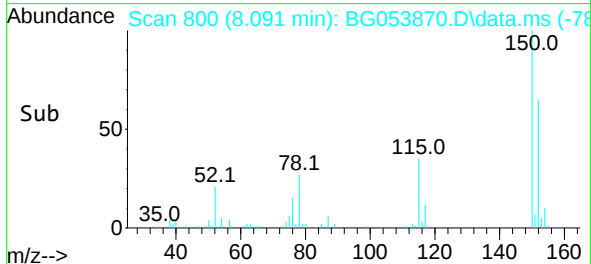
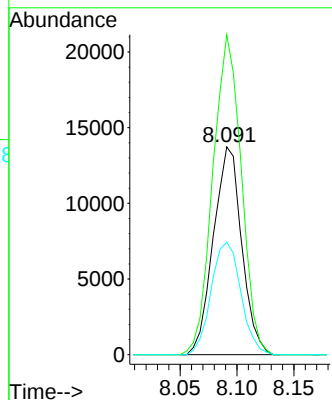
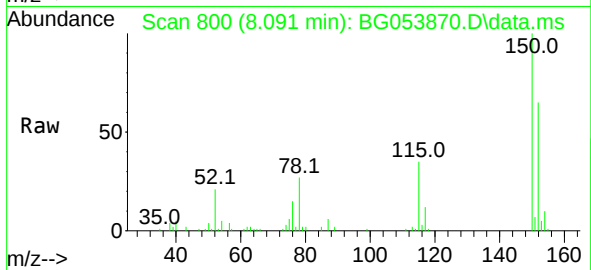




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.091 min Scan# 801  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

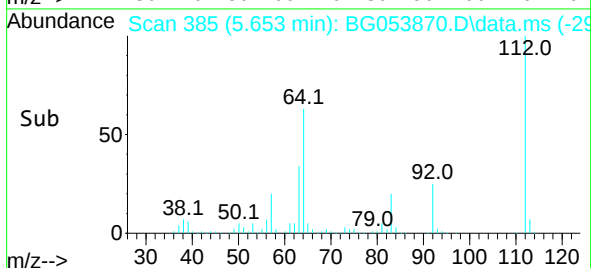
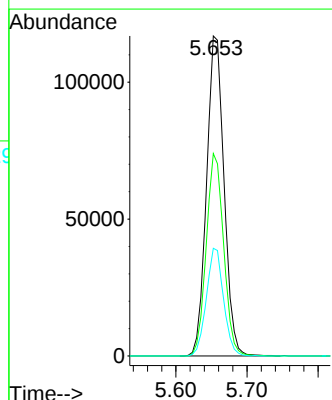
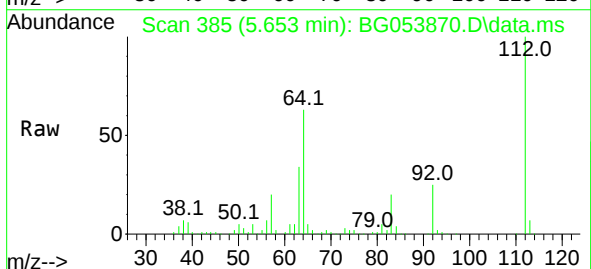
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BNA\_G  
ClientSampleId :  
TP-11E

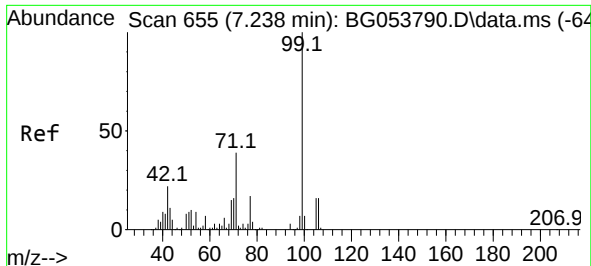
Tgt Ion:152 Resp: 23807  
Ion Ratio Lower Upper  
152 100  
150 154.0 131.6 197.4  
115 54.1 50.9 76.3



#5  
2-Fluorophenol  
Concen: 154.361 ng  
RT: 5.653 min Scan# 385  
Delta R.T. 0.001 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

Tgt Ion:112 Resp: 200118  
Ion Ratio Lower Upper  
112 100  
64 63.3 55.1 82.7  
63 33.7 30.4 45.6

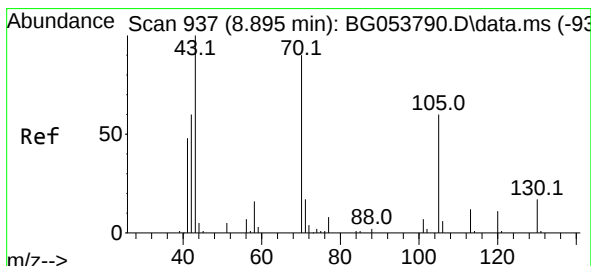
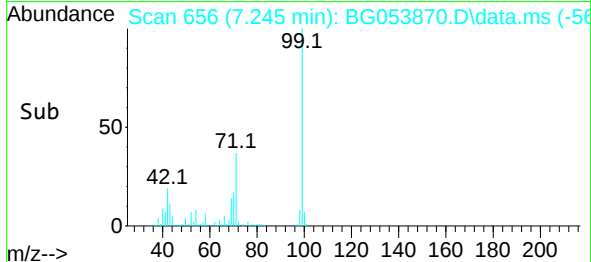
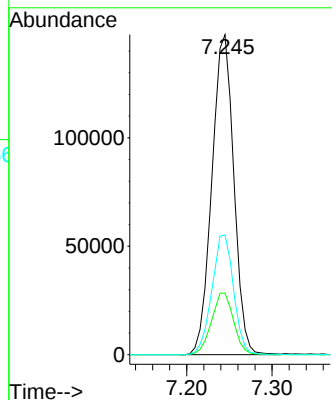
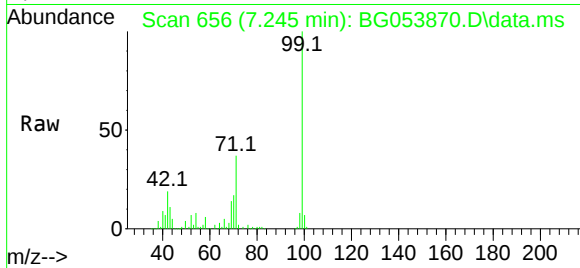




#7  
Phenol-d6  
Concen: 150.087 ng  
RT: 7.245 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

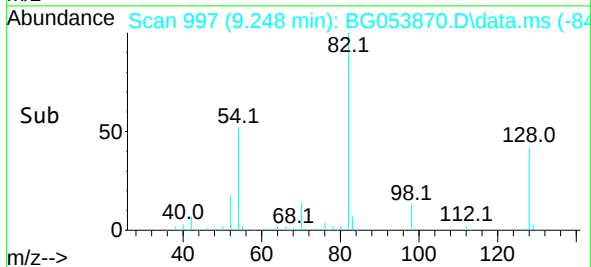
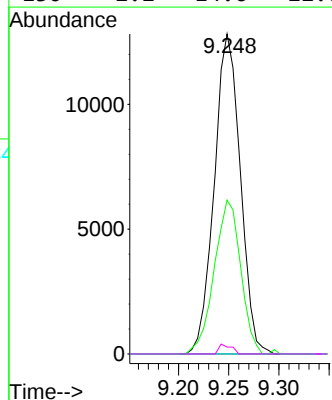
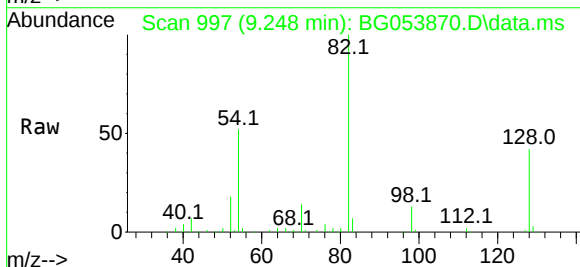
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E

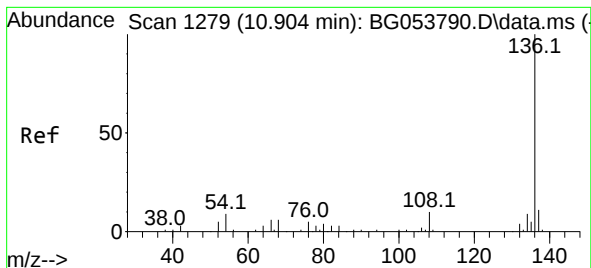
Tgt Ion: 99 Resp: 263575  
Ion Ratio Lower Upper  
99 100  
42 19.2 17.0 25.6  
71 37.4 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.570 ng  
RT: 9.248 min Scan# 997  
Delta R.T. 0.353 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

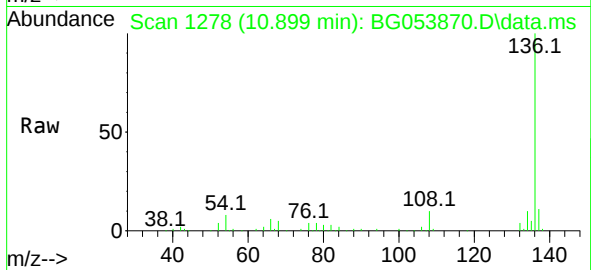
Tgt Ion: 70 Resp: 23098  
Ion Ratio Lower Upper  
70 100  
42 48.1 47.3 70.9  
101 0.0 7.0 10.4#  
130 2.2 14.6 22.0#



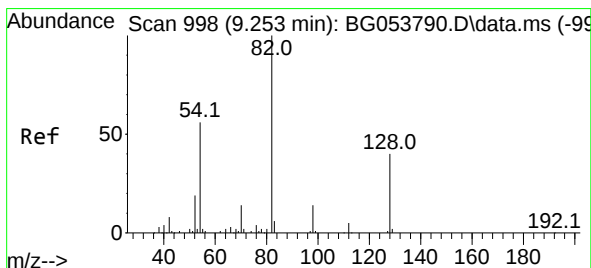
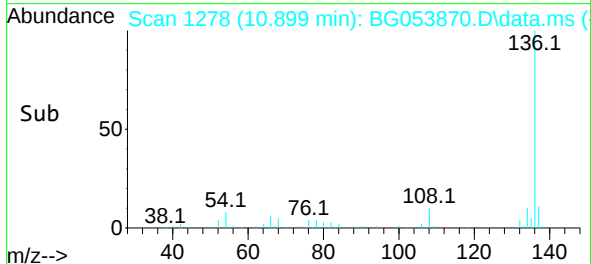
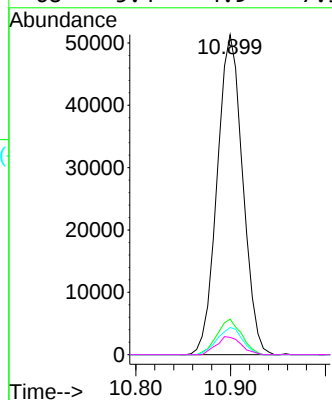


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.899 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E

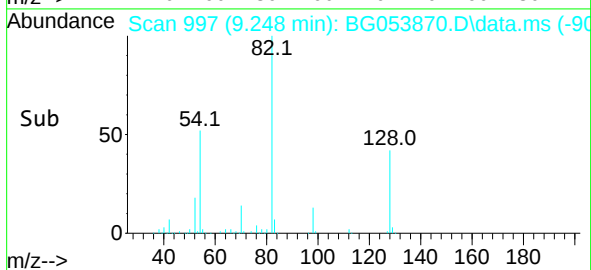
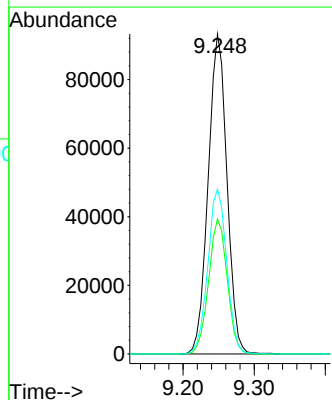
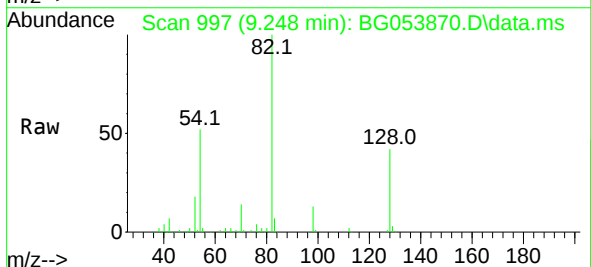


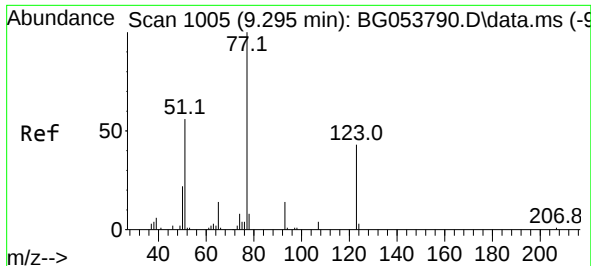
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 96015 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.5   | 12.7  |
| 54       | 8.5   | 7.4   | 11.2  |
| 68       | 5.4   | 4.9   | 7.3   |



#23  
Nitrobenzene-d5  
Concen: 117.117 ng  
RT: 9.248 min Scan# 997  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 171240 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.2  | 27.9  | 41.9#  |
| 54       | 51.6  | 41.2  | 61.8   |

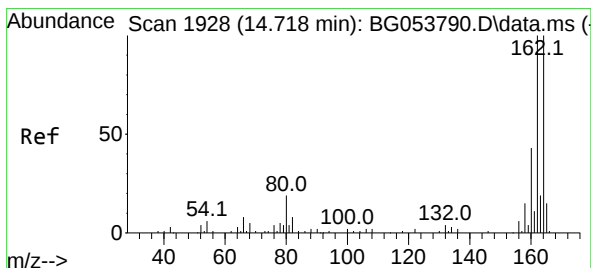
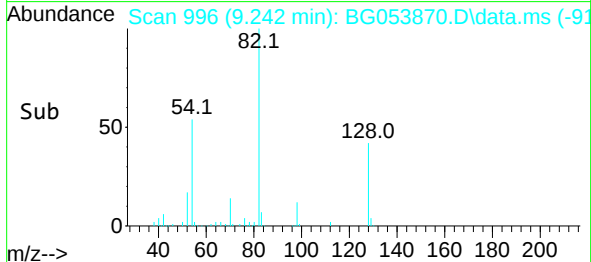
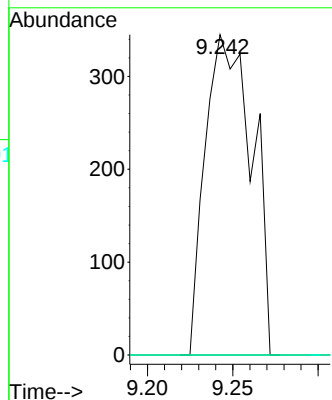
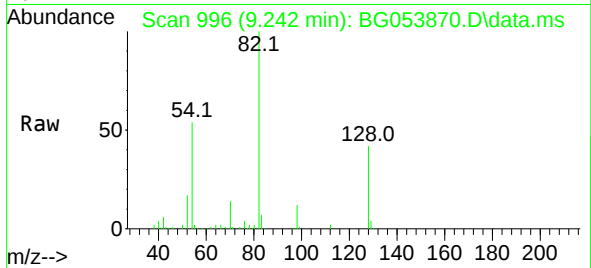




#24  
Nitrobenzene  
Concen: 3.351 ng  
RT: 9.242 min Scan# 91  
Delta R.T. -0.053 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

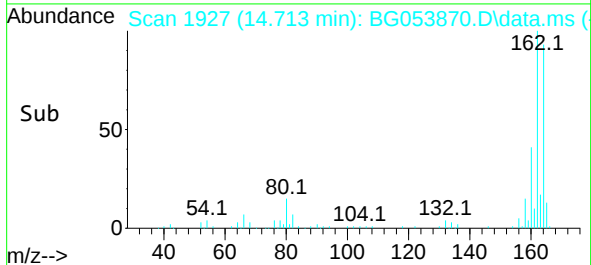
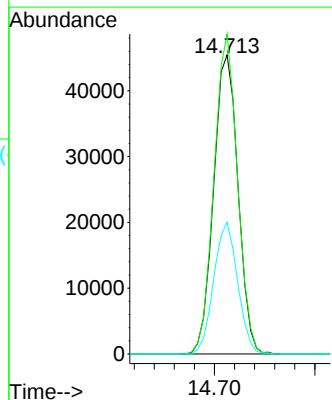
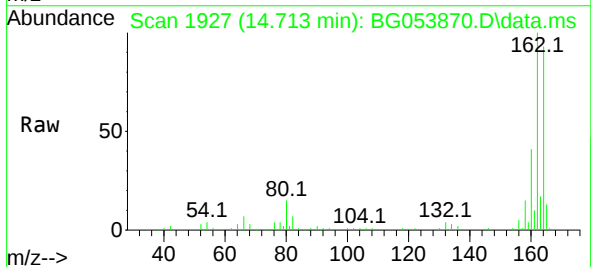
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E

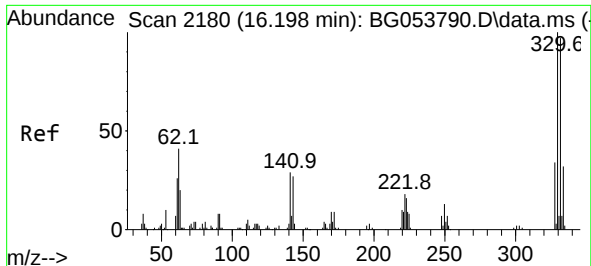
Tgt Ion: 77 Resp: 658  
Ion Ratio Lower Upper  
77 100  
123 0.0 27.4 41.0#  
65 0.0 11.4 17.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.713 min Scan# 1927  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

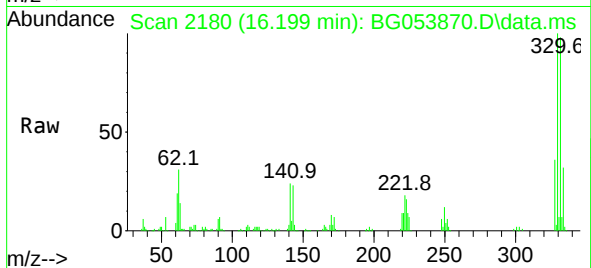
Tgt Ion: 164 Resp: 76620  
Ion Ratio Lower Upper  
164 100  
162 107.0 82.3 123.5  
160 44.1 34.2 51.2



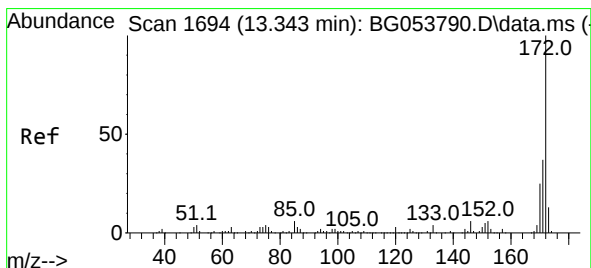
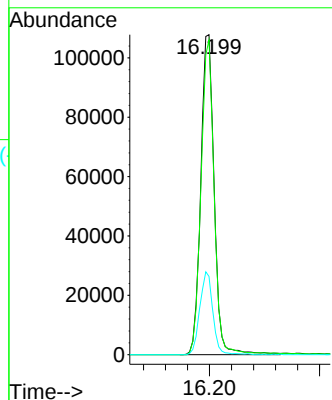
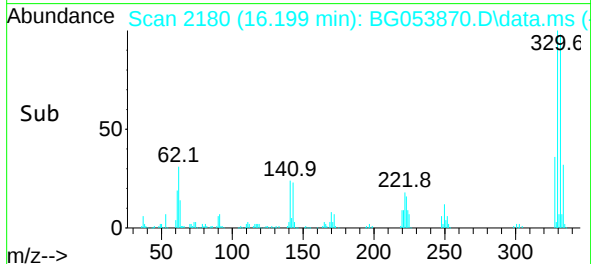


#42  
2,4,6-Tribromophenol  
Concen: 196.368 ng  
RT: 16.199 min Scan# 2180  
Delta R.T. 0.001 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

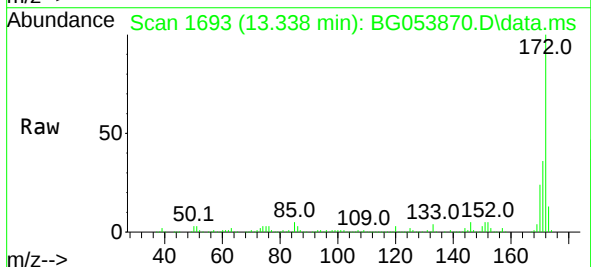
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E



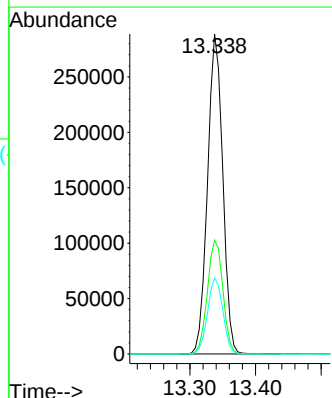
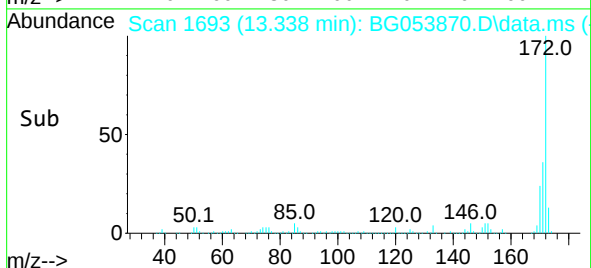
Tgt Ion:330 Resp: 182634  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.0 114.0  
141 25.2 27.1 40.7#

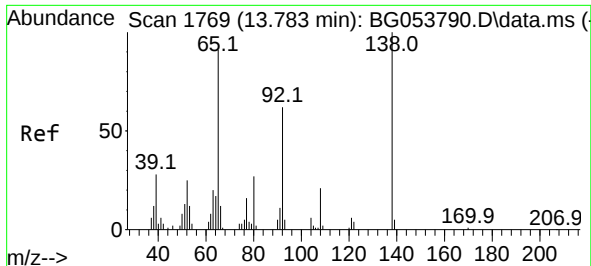


#45  
2-Fluorobiphenyl  
Concen: 90.847 ng  
RT: 13.338 min Scan# 1693  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13



Tgt Ion:172 Resp: 465287  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 23.8 18.9 28.3

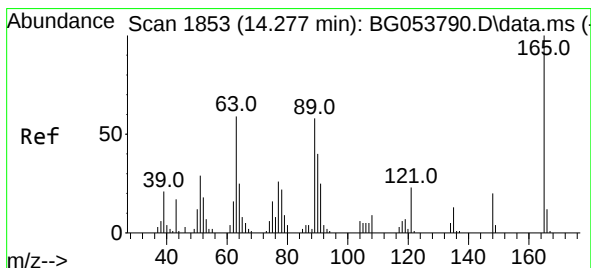
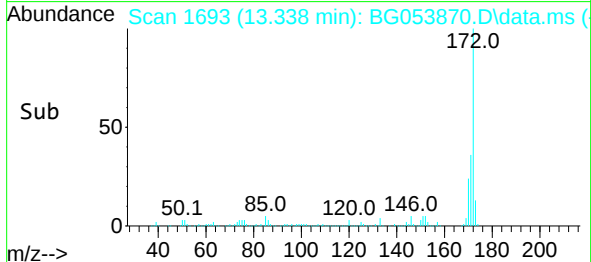
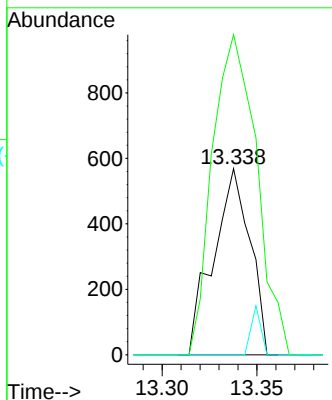
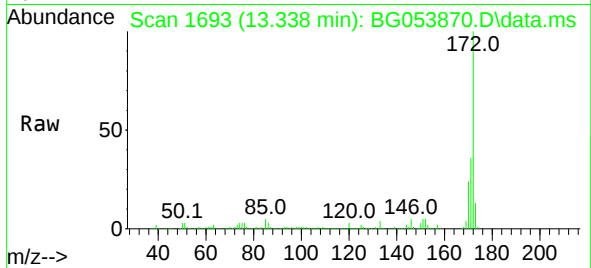




#48  
2-Nitroaniline  
Concen: 5.674 ng  
RT: 13.338 min Scan# 1  
Delta R.T. -0.445 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

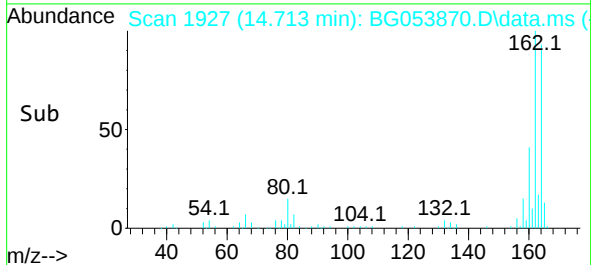
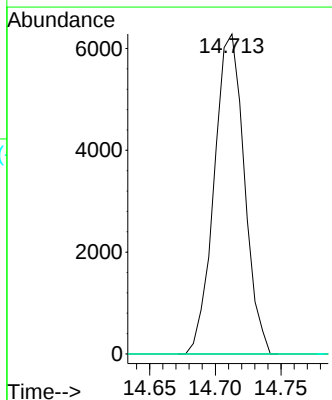
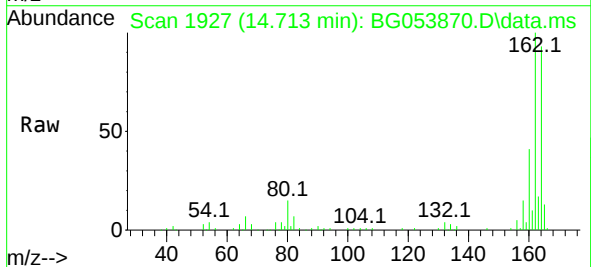
Instrument :  
BNA\_G  
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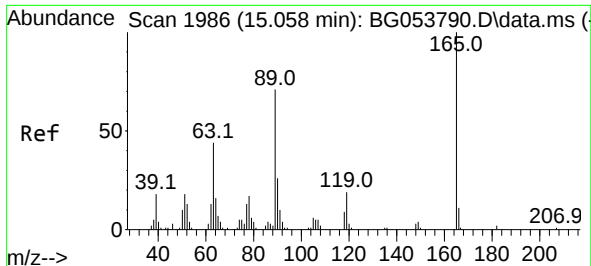
Tgt Ion: 65 Resp: 765  
Ion Ratio Lower Upper  
65 100  
92 171.9 51.5 77.3#  
138 0.0 71.3 106.9#



#51  
2,6-Dinitrotoluene  
Concen: 13.172 ng  
RT: 14.713 min Scan# 1927  
Delta R.T. 0.436 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

Tgt Ion: 165 Resp: 10039  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 11.045 ng

RT: 14.713 min Scan# 1986

Delta R.T. -0.345 min

Lab File: BG053870.D

Acq: 9 Jun 2022 21:13

Instrument :

BNA\_G

ClientSampleId :

TP-11E

Tgt Ion:165 Resp: 10039

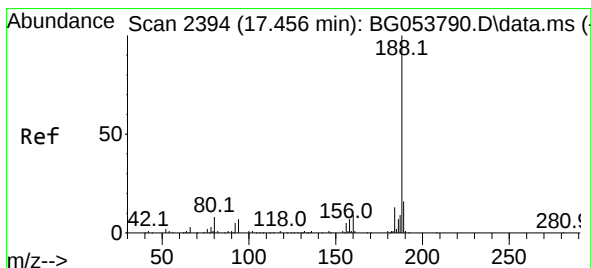
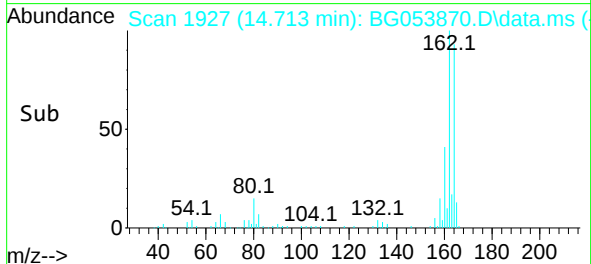
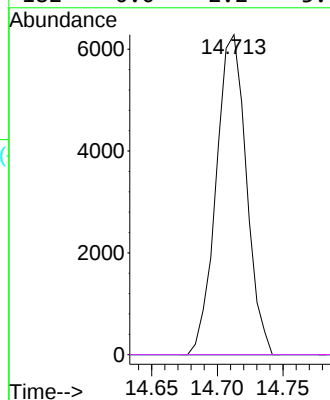
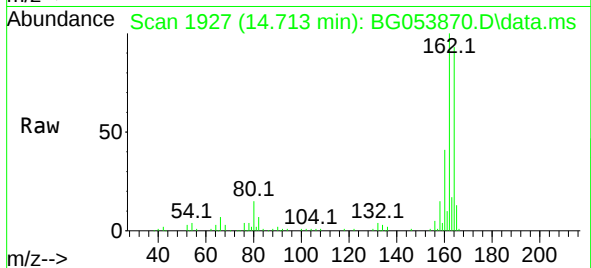
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.456 min Scan# 2394

Delta R.T. 0.000 min

Lab File: BG053870.D

Acq: 9 Jun 2022 21:13

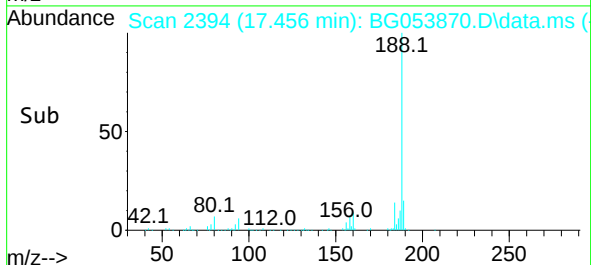
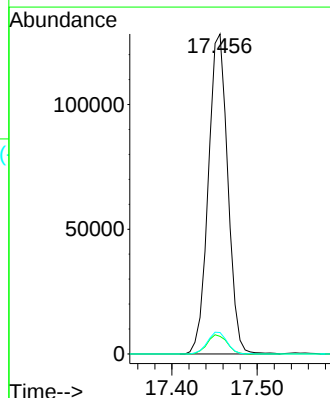
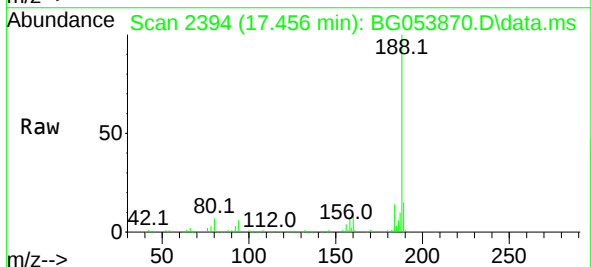
Tgt Ion:188 Resp: 203203

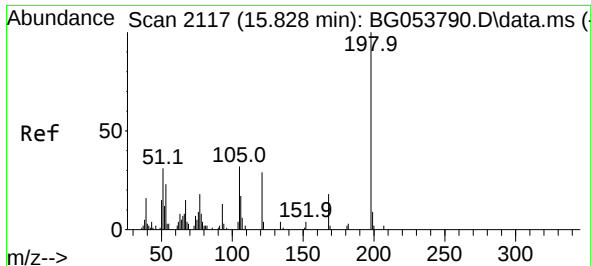
Ion Ratio Lower Upper

188 100

94 5.5 5.4 8.0

80 6.7 6.8 10.2#

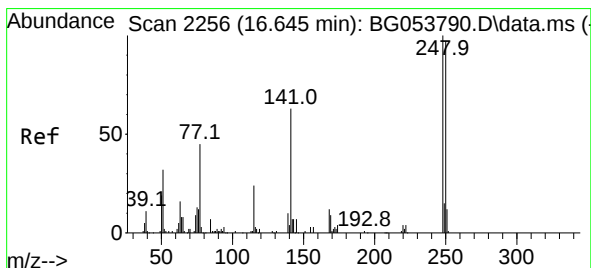
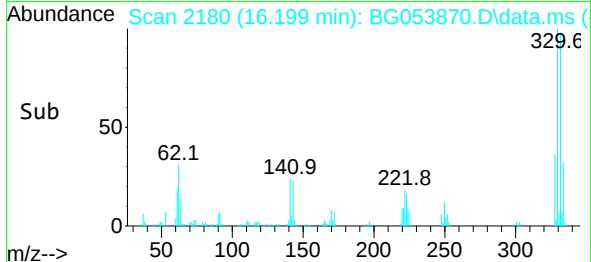
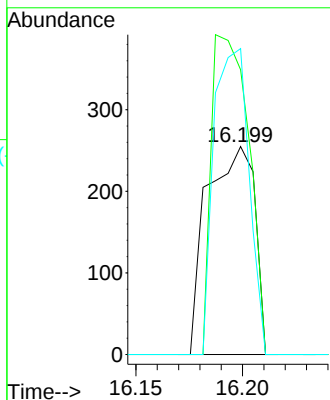
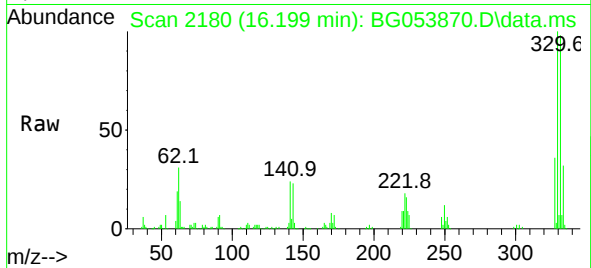




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.050 ng  
RT: 16.199 min Scan# 2117  
Delta R.T. 0.371 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

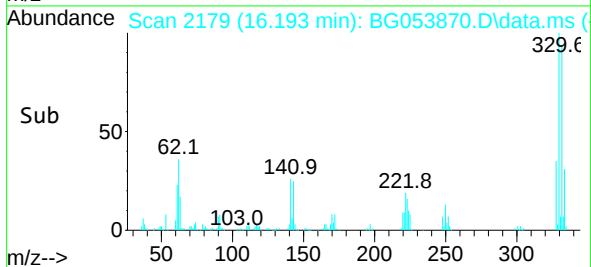
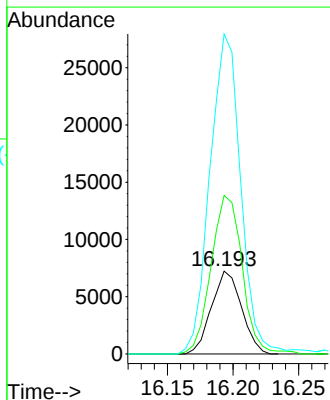
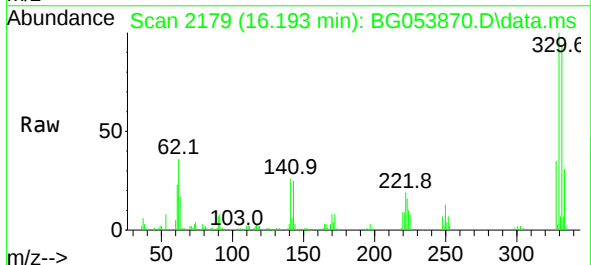
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E

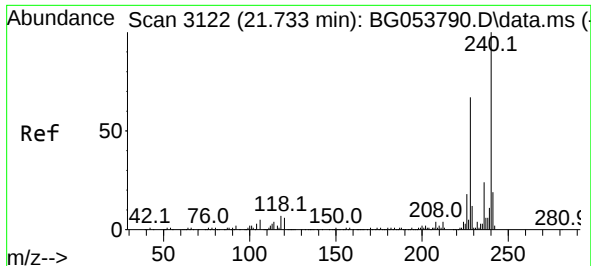
Tgt Ion:198 Resp: 394  
Ion Ratio Lower Upper  
198 100  
51 136.9 28.1 68.1#  
105 147.1 20.3 60.3#



#67  
4-Bromophenyl-phenylether  
Concen: 5.216 ng  
RT: 16.193 min Scan# 2179  
Delta R.T. -0.452 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

Tgt Ion:248 Resp: 11516  
Ion Ratio Lower Upper  
248 100  
250 243.4 75.2 112.8#  
141 385.8 50.0 75.0#

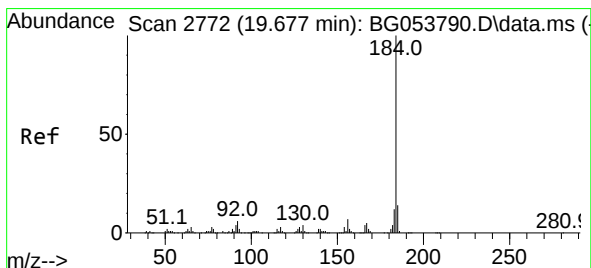
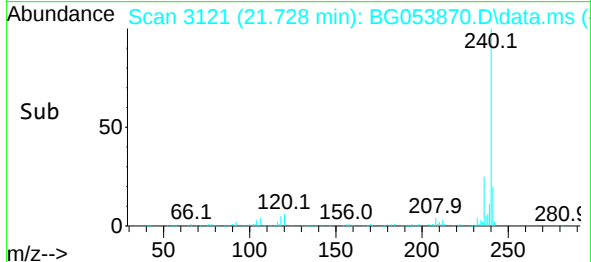
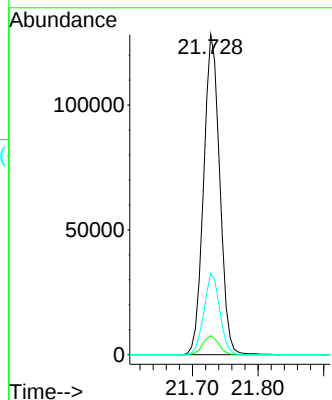
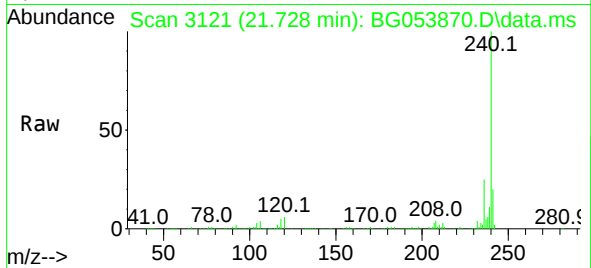




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.728 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

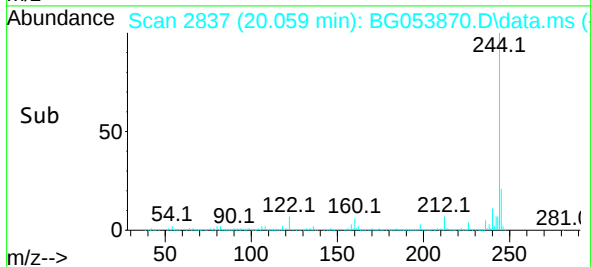
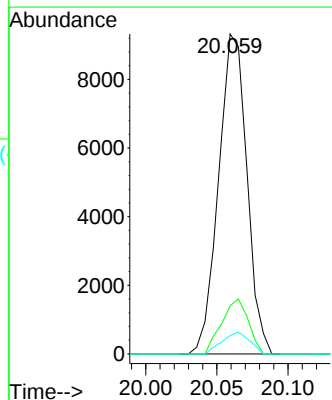
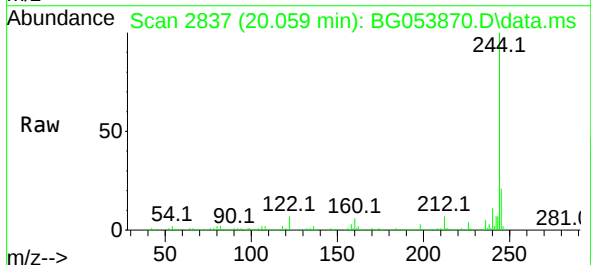
Instrument :  
BNA\_G  
ClientSampleId :  
TP-11E

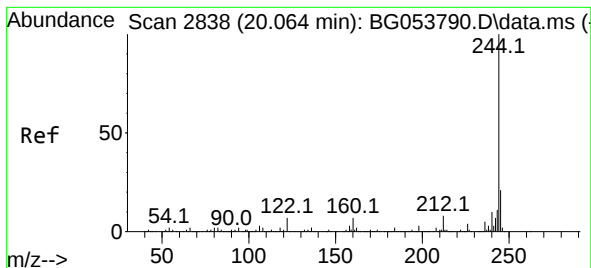
Tgt Ion:240 Resp: 219448  
Ion Ratio Lower Upper  
240 100  
120 5.9 4.6 7.0  
236 25.5 20.2 30.4



#77  
Benzidine  
Concen: 2.405 ng  
RT: 20.059 min Scan# 2837  
Delta R.T. 0.383 min  
Lab File: BG053870.D  
Acq: 9 Jun 2022 21:13

Tgt Ion:184 Resp: 12907  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.8 17.6  
183 5.8 8.9 13.3#





#79

Terphenyl-d14

Concen: 88.699 ng

RT: 20.065 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG053870.D

Acq: 9 Jun 2022 21:13

Instrument :

BNA\_G

ClientSampleId :

TP-11E

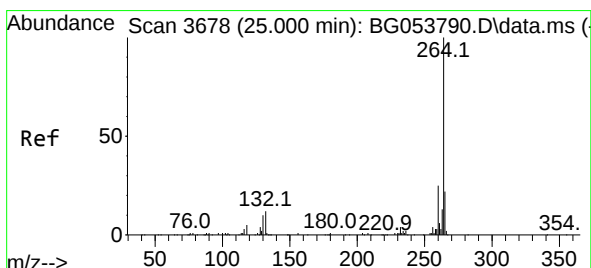
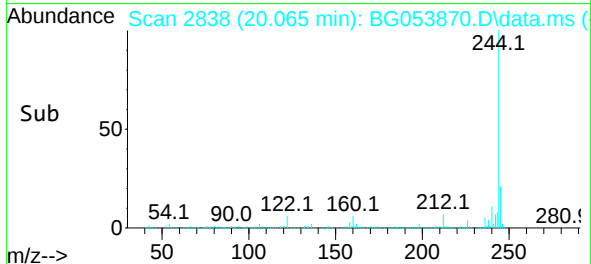
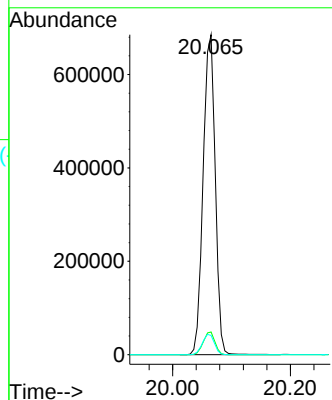
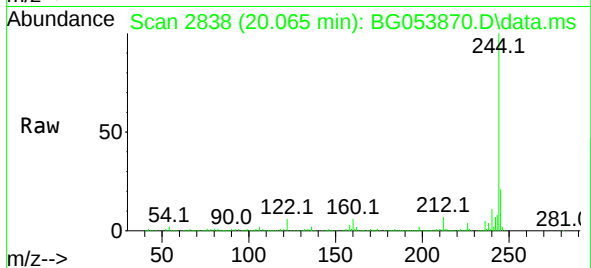
Tgt Ion:244 Resp: 978420

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 6.0 5.0 7.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 3677

Delta R.T. -0.005 min

Lab File: BG053870.D

Acq: 9 Jun 2022 21:13

Tgt Ion:264 Resp: 224316

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 21.2 17.4 26.2

