

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100722\  
 Data File : BG055103.D  
 Acq On : 7 Oct 2022 17:36  
 Operator : CG/JU  
 Sample : N5031-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 5869-3

Quant Time: Oct 08 03:10:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 08 03:04:59 2022  
 Response via : Initial Calibration

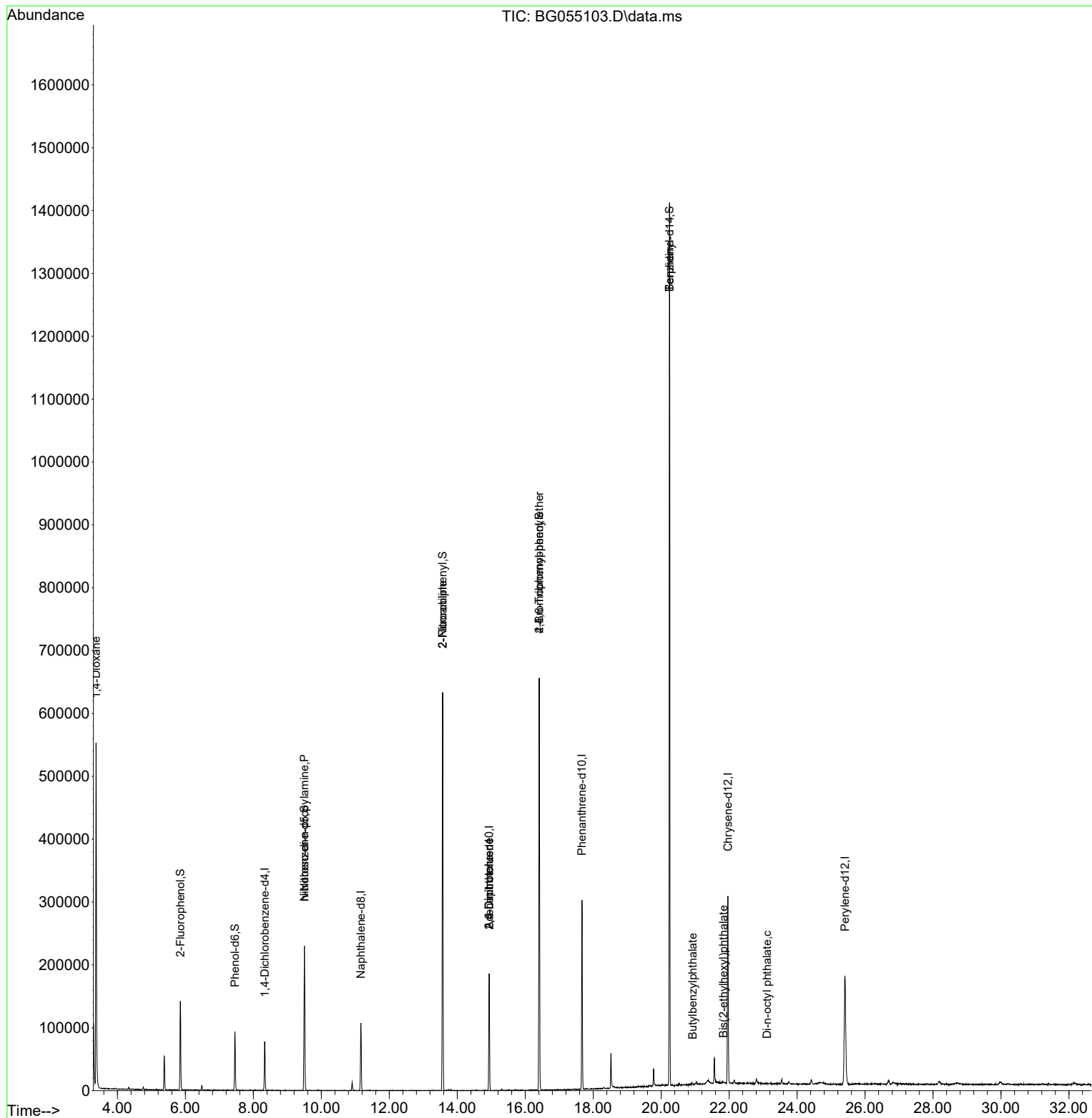
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.335  | 152  | 21683    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.166 | 136  | 88579    | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.939 | 164  | 67060    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.671 | 188  | 191552   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.966 | 240  | 199701   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 25.409 | 264  | 211526   | 20.000  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.849  | 112  | 60663    | 62.141  | ng     | 0.00     |
| 7) Phenol-d6                  | 7.459  | 99   | 49125    | 33.586  | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.504  | 82   | 132496   | 89.380  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.413 | 330  | 132261   | 186.898 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.570 | 172  | 329393   | 76.681  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.250 | 244  | 723132   | 73.189  | ng     | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.370  | 88   | 4628     | 8.379   | ng     | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.504  | 70   | 18208    | 12.851  | ng     | # 80     |
| 48) 2-Nitroaniline            | 13.570 | 65   | 498      | 4.519   | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.939 | 165  | 8689     | 12.143  | ng     | # 13     |
| 57) 2,4-Dinitrotoluene        | 14.939 | 165  | 8689     | 9.918   | ng     | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.413 | 248  | 8536     | 4.214   | ng     | # 1      |
| 77) Benzidine                 | 20.244 | 184  | 10708    | 3.113   | ng     | # 91     |
| 80) Butylbenzylphthalate      | 20.926 | 149  | 277      | 4.898   | ng     | # 23     |
| 84) Bis(2-ethylhexyl)phtha... | 21.830 | 149  | 986      | 4.246   | ng     | # 91     |
| 85) Di-n-octyl phthalate      | 23.117 | 149  | 69       | 4.347   | ng     | # 1      |
| -----                         |        |      |          |         |        |          |

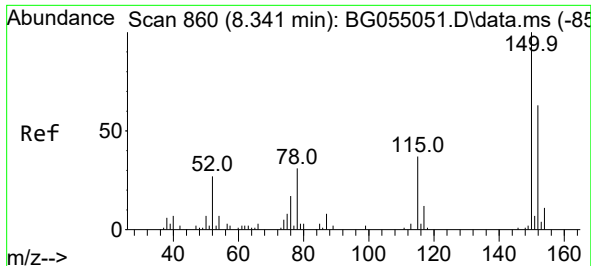
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100722\  
Data File : BG055103.D  
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Sample : N5031-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Quant Time: Oct 08 03:10:30 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 08 03:04:59 2022  
Response via : Initial Calibration

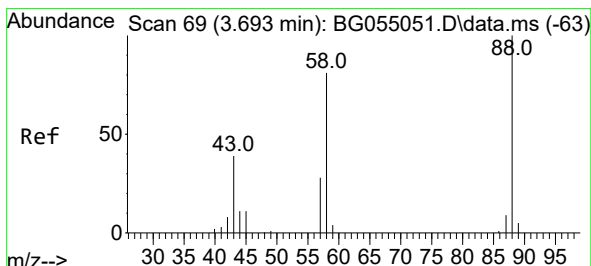
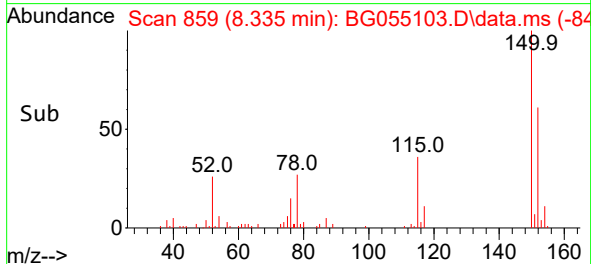
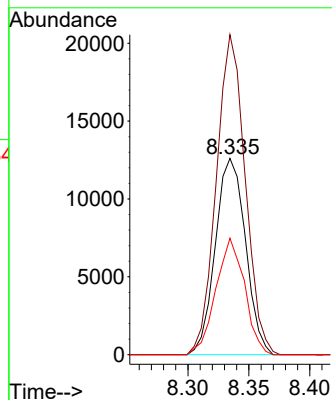
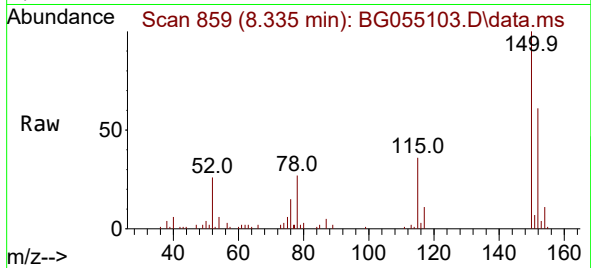




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.335 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: BG055103.D  
 Acq: 7 Oct 2022 17:36

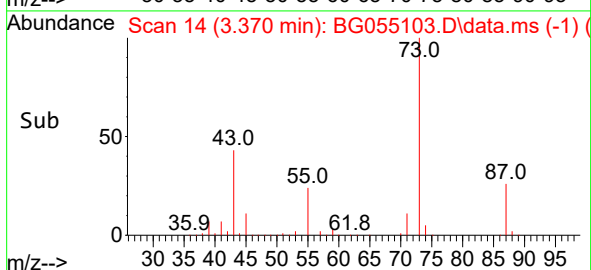
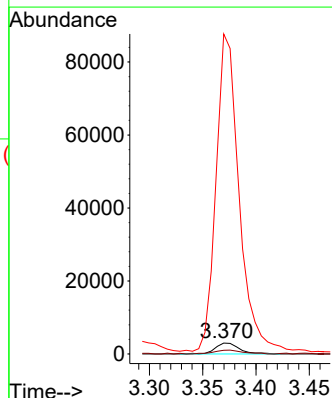
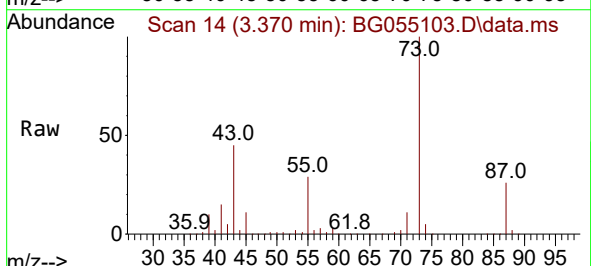
Instrument :  
 BNA\_G  
 ClientSampleId :  
 5869-3

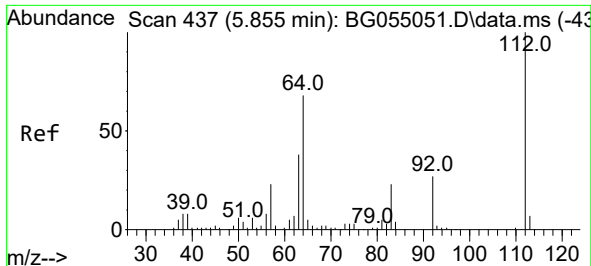
Tgt Ion:152 Resp: 21683  
 Ion Ratio Lower Upper  
 152 100  
 150 163.0 128.0 192.0  
 115 59.3 47.7 71.5



#2  
 1,4-Dioxane  
 Concen: 8.379 ng  
 RT: 3.370 min Scan# 14  
 Delta R.T. -0.315 min  
 Lab File: BG055103.D  
 Acq: 7 Oct 2022 17:36

Tgt Ion: 88 Resp: 4628  
 Ion Ratio Lower Upper  
 88 100  
 58 42.3 62.6 94.0#  
 43 2865.9 29.0 43.6#

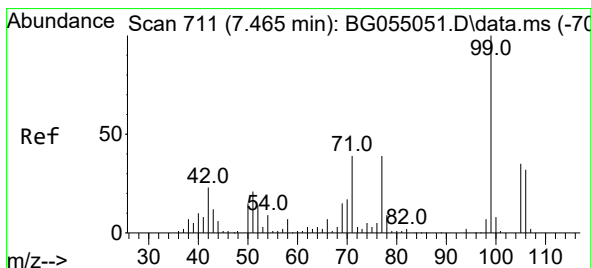
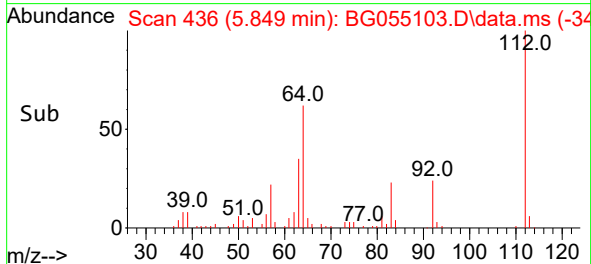
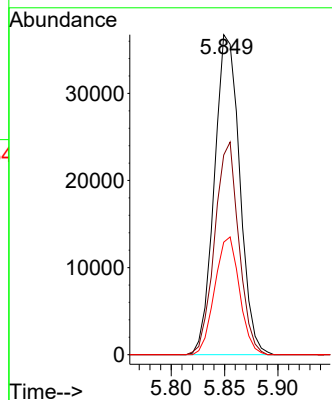
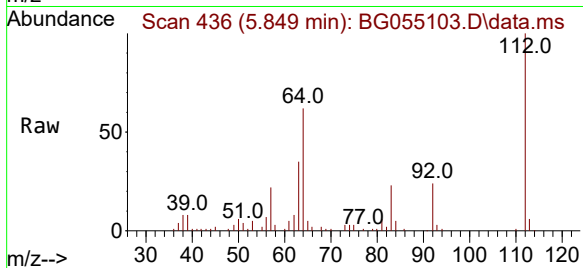




#5  
2-Fluorophenol  
Concen: 62.141 ng  
RT: 5.849 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

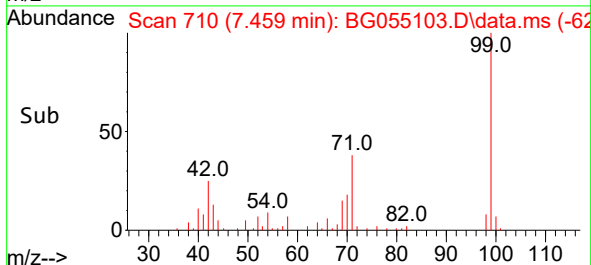
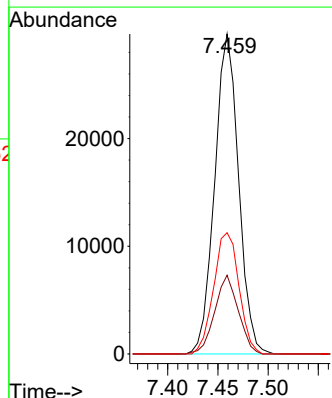
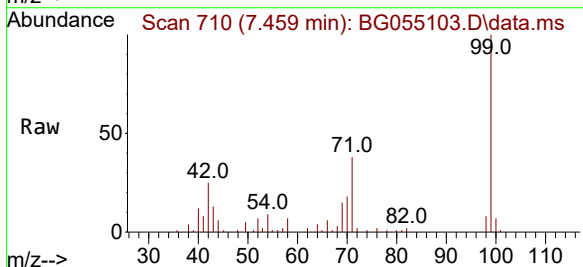
Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

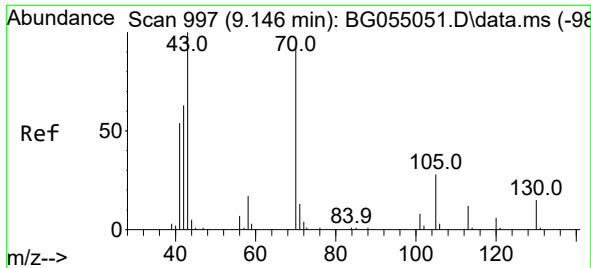
Tgt Ion:112 Resp: 60663  
Ion Ratio Lower Upper  
112 100  
64 62.4 54.5 81.7  
63 35.1 30.5 45.7



#7  
Phenol-d6  
Concen: 33.586 ng  
RT: 7.459 min Scan# 710  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion: 99 Resp: 49125  
Ion Ratio Lower Upper  
99 100  
42 24.6 18.6 28.0  
71 37.9 31.2 46.8

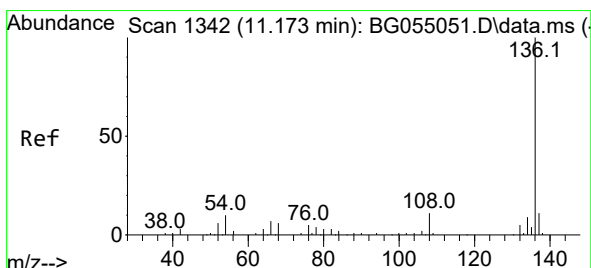
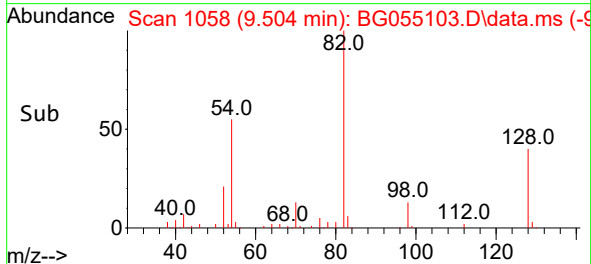
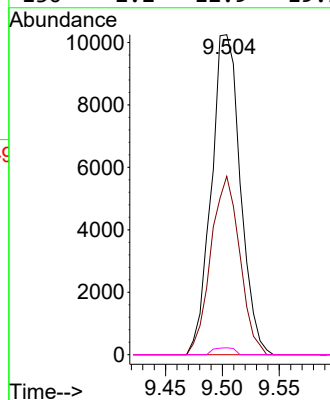
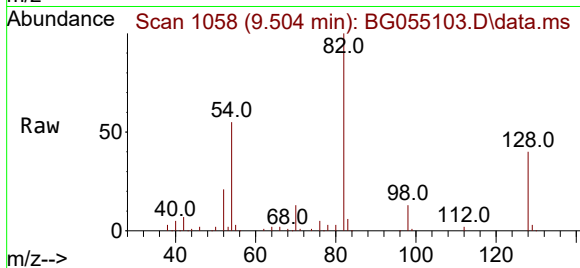




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.851 ng  
RT: 9.504 min Scan# 1058  
Delta R.T. 0.367 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

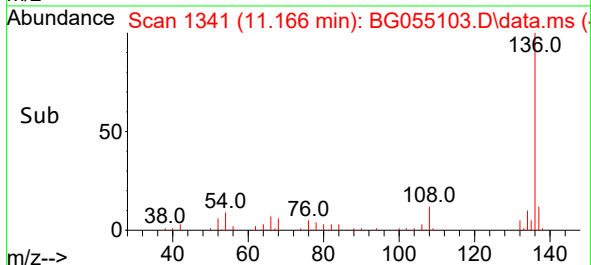
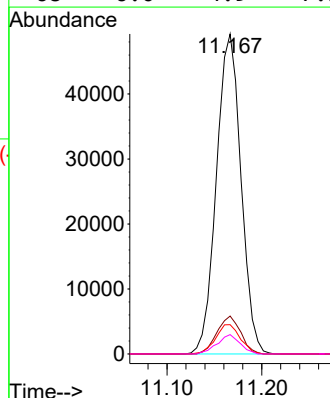
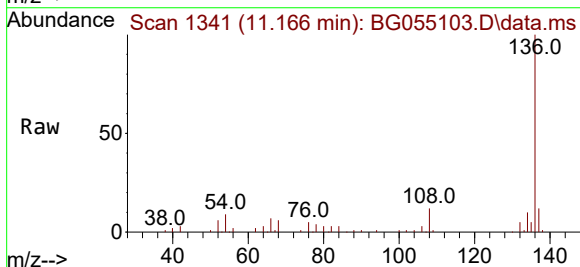
Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

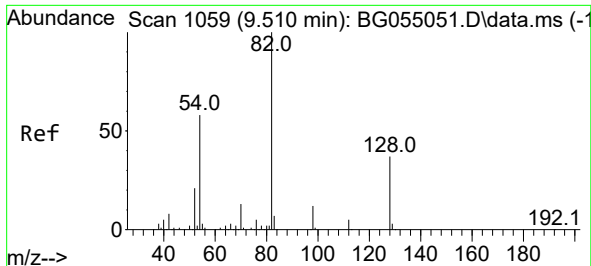
Tgt Ion: 70 Resp: 18208  
Ion Ratio Lower Upper  
70 100  
42 55.8 55.8 83.6  
101 0.0 7.1 10.7#  
130 2.2 12.9 19.3#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.166 min Scan# 1341  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:136 Resp: 88579  
Ion Ratio Lower Upper  
136 100  
137 11.9 8.7 13.1  
54 9.1 8.2 12.4  
68 6.0 4.9 7.3

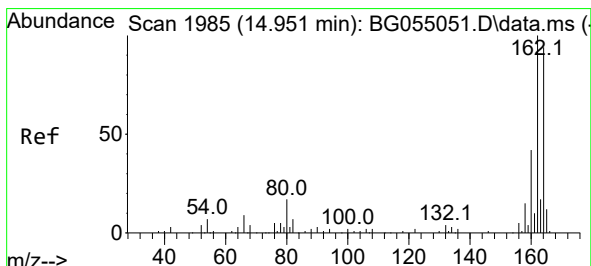
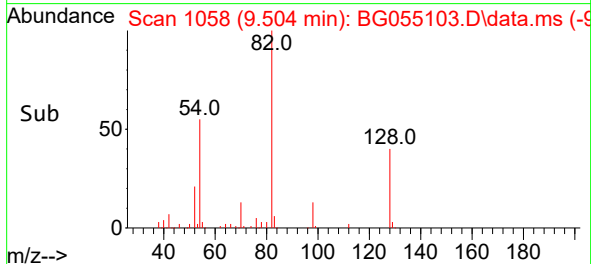
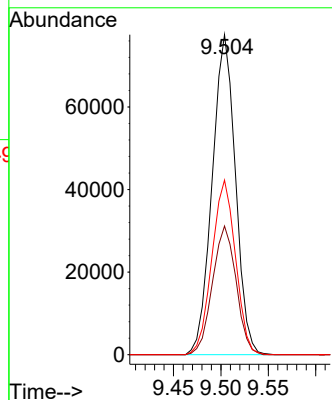
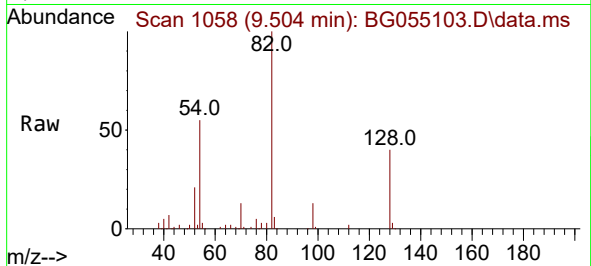




#23  
Nitrobenzene-d5  
Concen: 89.380 ng  
RT: 9.504 min Scan# 1058  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

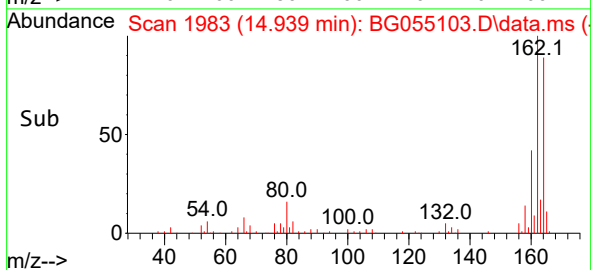
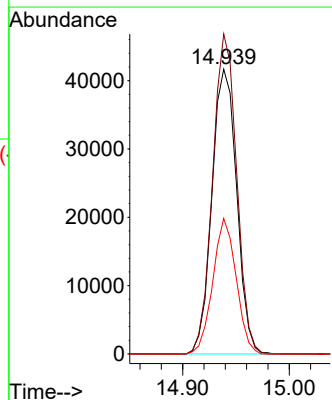
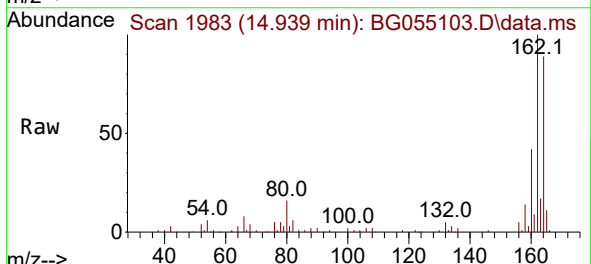
Instrument :  
BNA\_G  
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5869-3

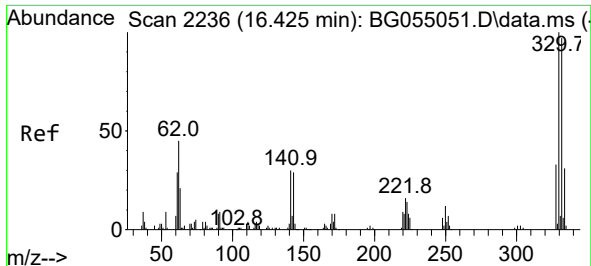
Tgt Ion: 82 Resp: 132496  
Ion Ratio Lower Upper  
82 100  
128 40.2 29.5 44.3  
54 54.5 46.7 70.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.939 min Scan# 1983  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

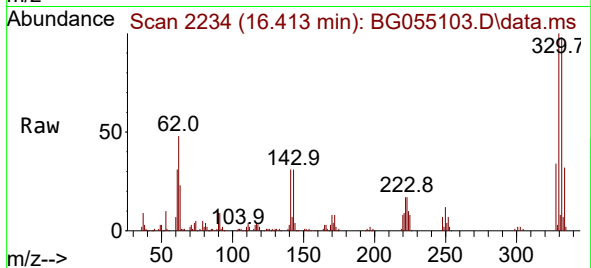
Tgt Ion: 164 Resp: 67060  
Ion Ratio Lower Upper  
164 100  
162 112.4 85.5 128.3  
160 47.6 35.5 53.3



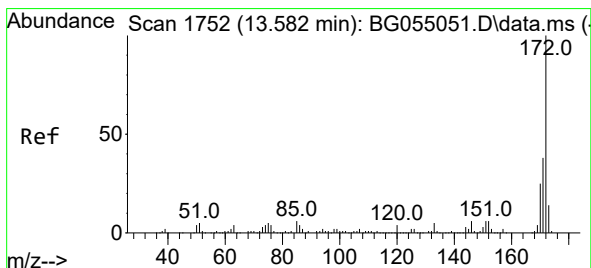
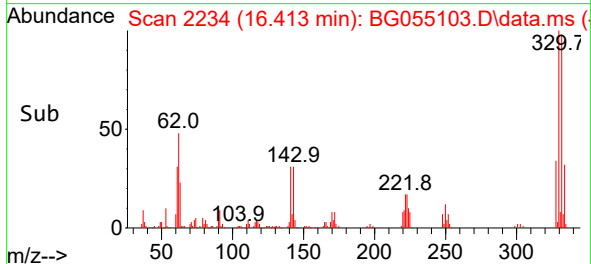
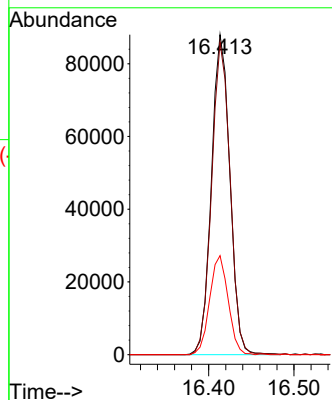


#42  
2,4,6-Tribromophenol  
Concen: 186.898 ng  
RT: 16.413 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

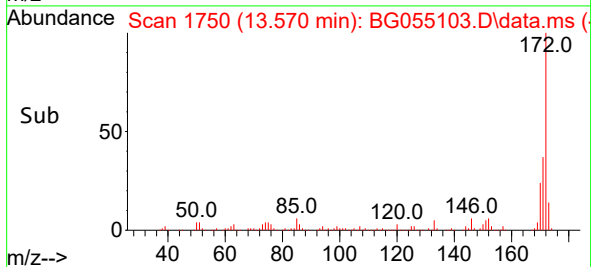
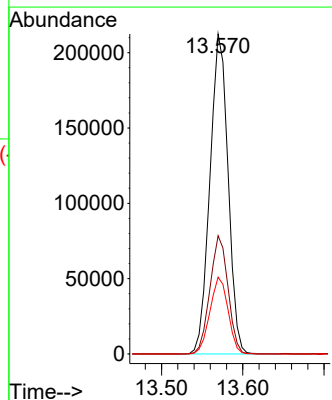
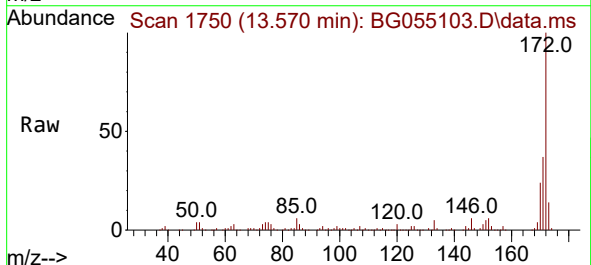


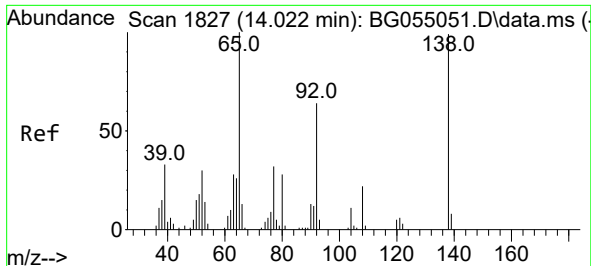
Tgt Ion:330 Resp: 132261  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.4 116.0  
141 31.0 25.0 37.4



#45  
2-Fluorobiphenyl  
Concen: 76.681 ng  
RT: 13.570 min Scan# 1750  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:172 Resp: 329393  
Ion Ratio Lower Upper  
172 100  
171 37.0 30.1 45.1  
170 24.0 20.0 30.0

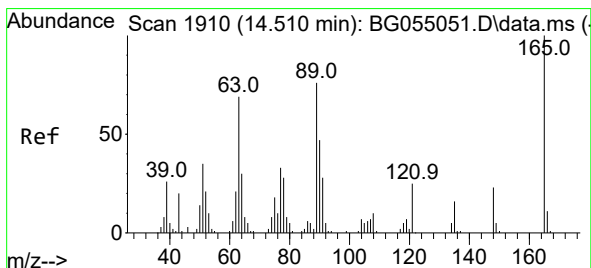
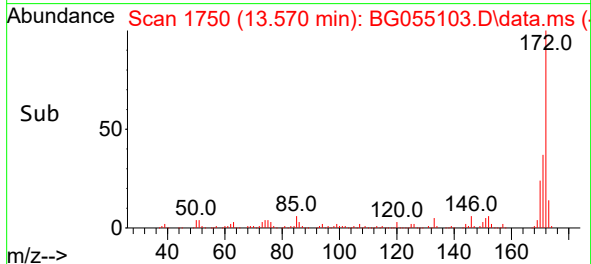
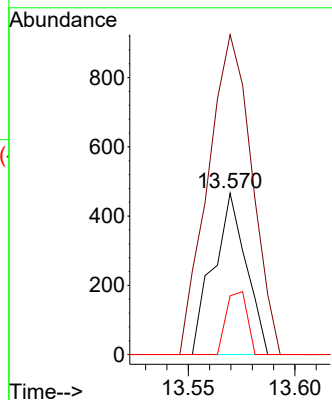
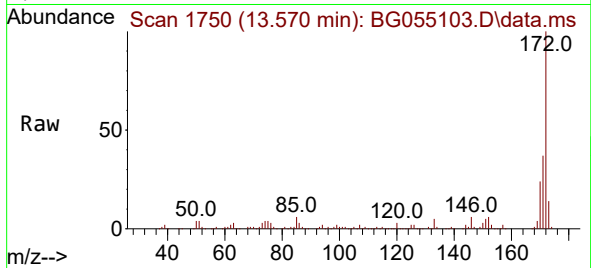




#48  
2-Nitroaniline  
Concen: 4.519 ng  
RT: 13.570 min Scan# 11  
Delta R.T. -0.450 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

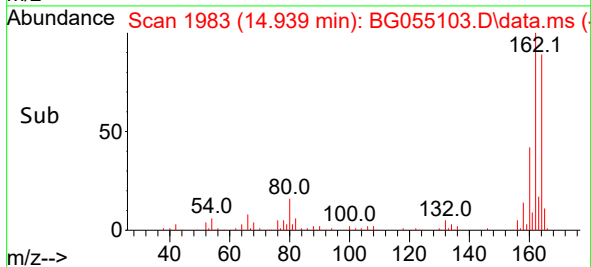
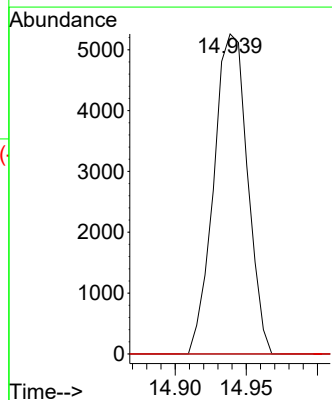
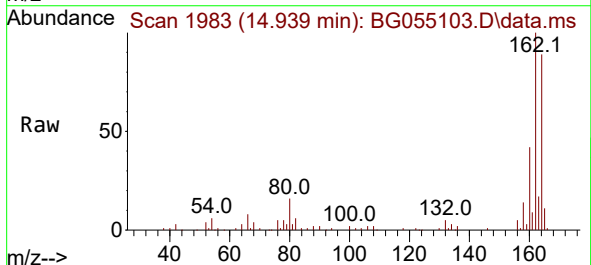
Instrument :  
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ClientSampleId :  
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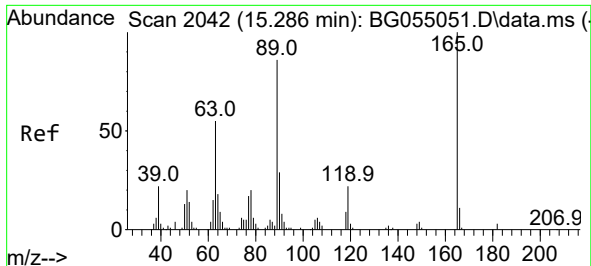
Tgt Ion: 65 Resp: 498  
Ion Ratio Lower Upper  
65 100  
92 198.3 50.9 76.3#  
138 36.5 79.5 119.3#



#51  
2,6-Dinitrotoluene  
Concen: 12.143 ng  
RT: 14.939 min Scan# 1983  
Delta R.T. 0.432 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:165 Resp: 8689  
Ion Ratio Lower Upper  
165 100  
63 0.0 56.2 84.4#  
89 0.0 60.4 90.6#





#57

2,4-Dinitrotoluene

Concen: 9.918 ng

RT: 14.939 min Scan# 14

Delta R.T. -0.344 min

Lab File: BG055103.D

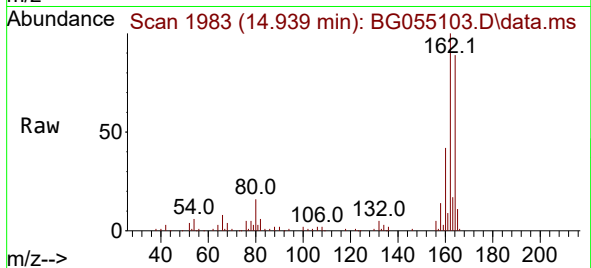
Acq: 7 Oct 2022 17:36

Instrument :

BNA\_G

ClientSampleId :

5869-3



Tgt Ion:165 Resp: 8689

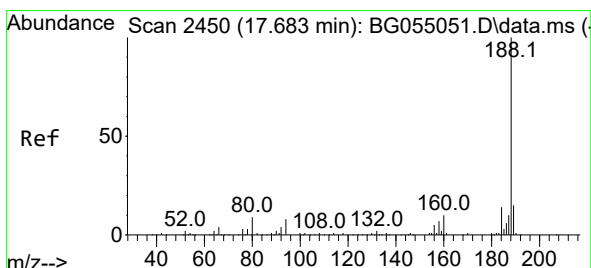
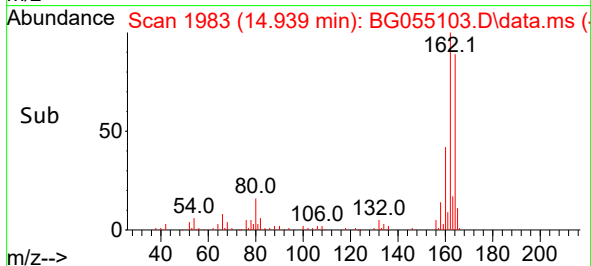
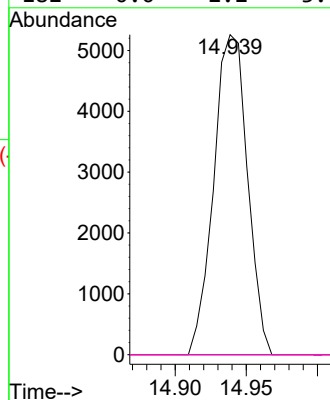
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.2#

89 0.0 69.0 103.6#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.671 min Scan# 2448

Delta R.T. -0.003 min

Lab File: BG055103.D

Acq: 7 Oct 2022 17:36

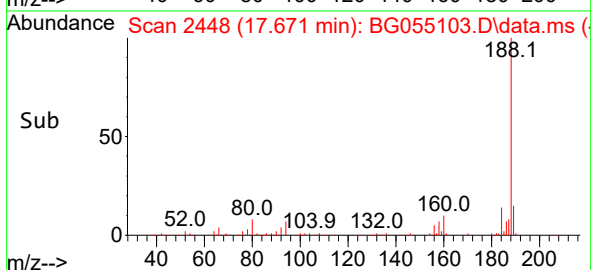
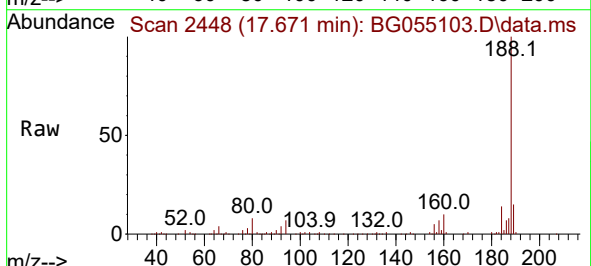
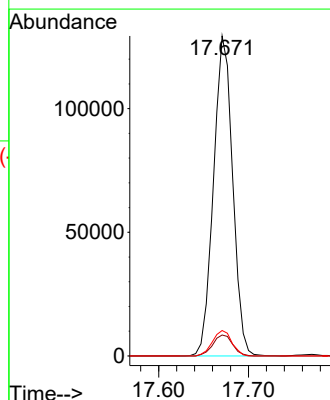
Tgt Ion:188 Resp: 191552

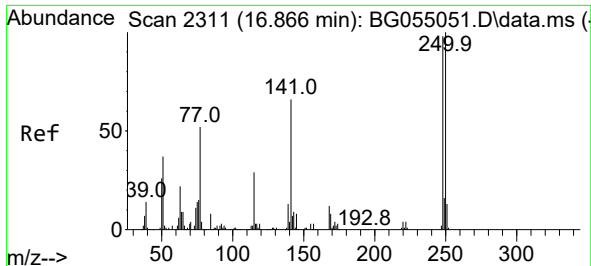
Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.2

80 8.0 7.2 10.8

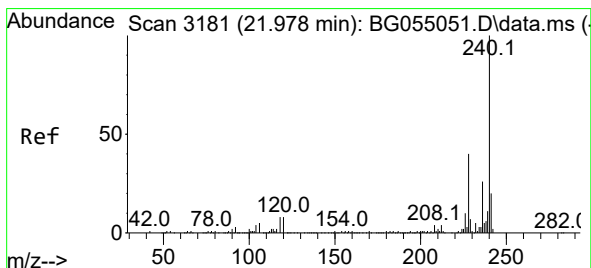
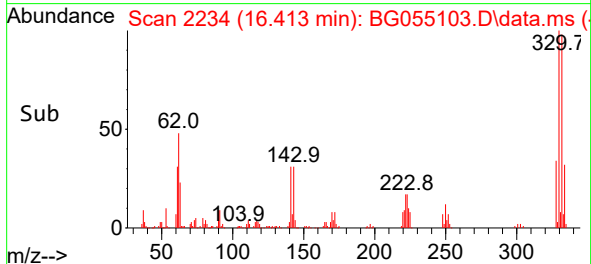
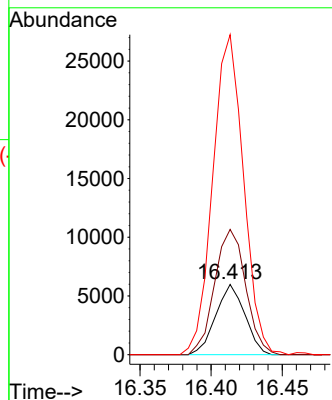
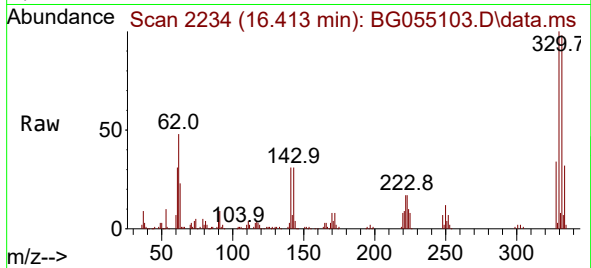




#67  
4-Bromophenyl-phenylether  
Concen: 4.214 ng  
RT: 16.413 min Scan# 21  
Delta R.T. -0.444 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

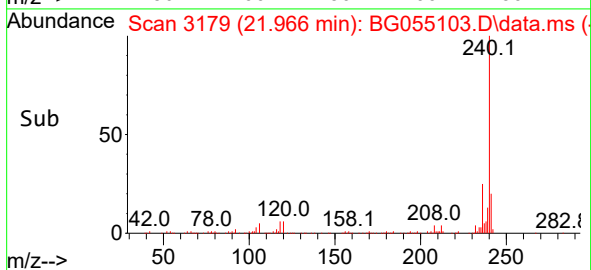
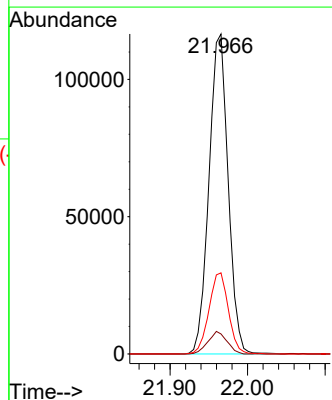
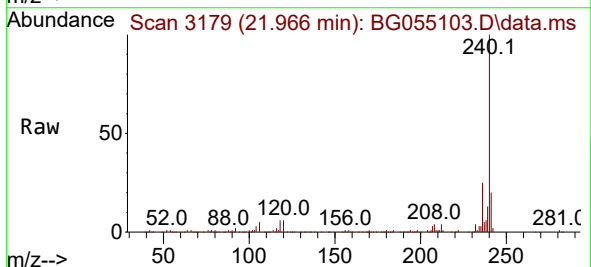
Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

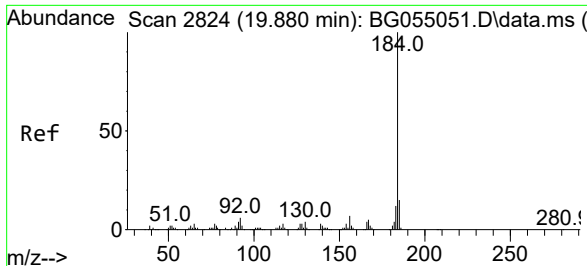
Tgt Ion:248 Resp: 8536  
Ion Ratio Lower Upper  
248 100  
250 178.4 81.7 122.5#  
141 455.5 53.7 80.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.966 min Scan# 3179  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:240 Resp: 199701  
Ion Ratio Lower Upper  
240 100  
120 6.3 6.2 9.4  
236 25.3 20.6 30.8

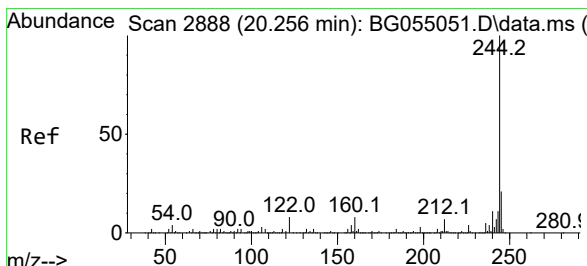
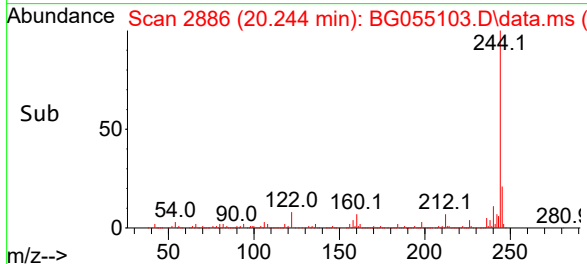
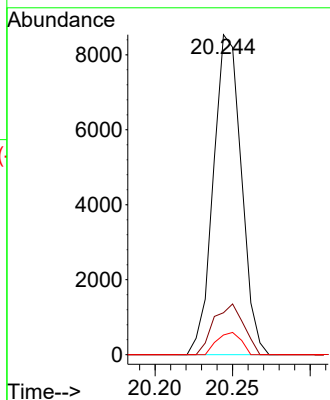
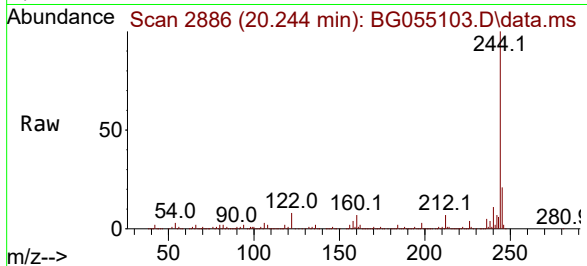




#77  
Benzidine  
Concen: 3.113 ng  
RT: 20.244 min Scan# 2886  
Delta R.T. 0.373 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

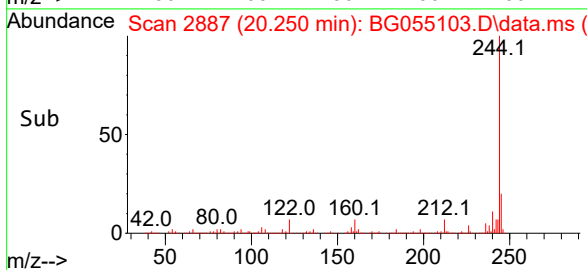
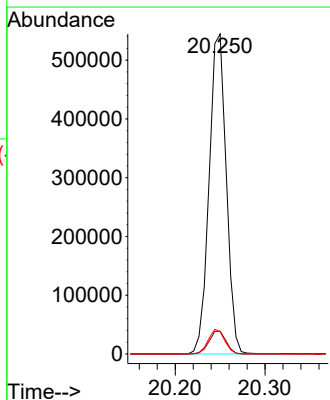
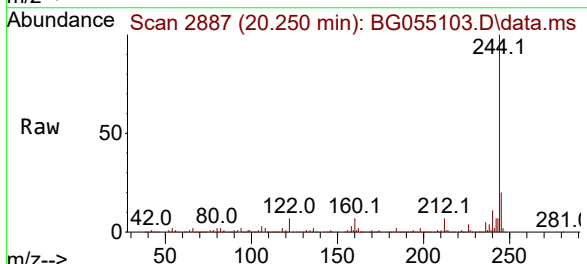
Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

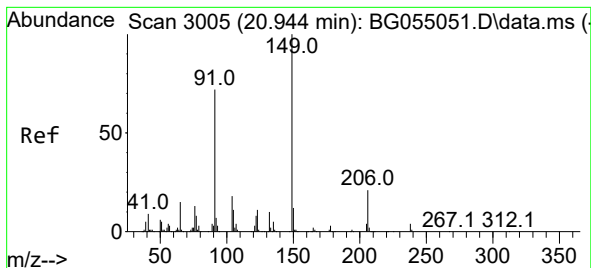
Tgt Ion:184 Resp: 10708  
Ion Ratio Lower Upper  
184 100  
185 13.1 12.2 18.4  
183 6.1 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 73.189 ng  
RT: 20.250 min Scan# 2887  
Delta R.T. -0.003 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:244 Resp: 723132  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.0 9.0  
122 7.0 6.6 10.0





#80

Butylbenzylphthalate

Concen: 4.898 ng

RT: 20.926 min Scan# 3002

Delta R.T. -0.009 min

Lab File: BG055103.D

Acq: 7 Oct 2022 17:36

Instrument :

BNA\_G

ClientSampleId :

5869-3

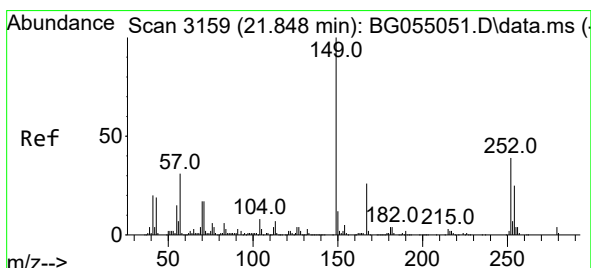
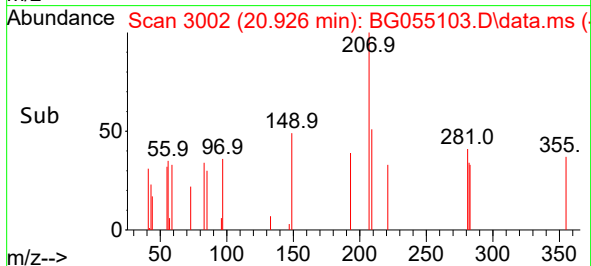
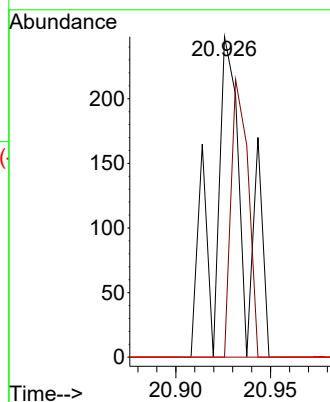
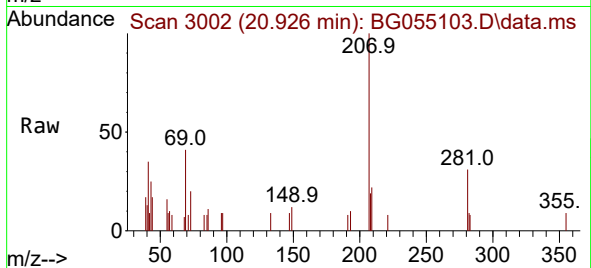
Tgt Ion:149 Resp: 277

Ion Ratio Lower Upper

149 100

91 0.0 57.8 86.8#

206 0.0 16.9 25.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.246 ng

RT: 21.830 min Scan# 3156

Delta R.T. -0.003 min

Lab File: BG055103.D

Acq: 7 Oct 2022 17:36

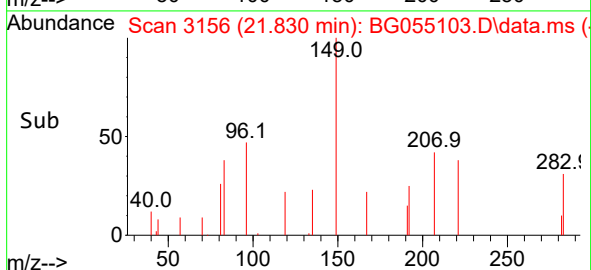
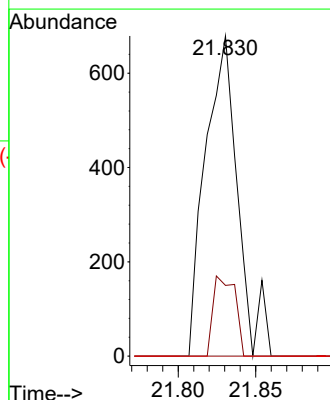
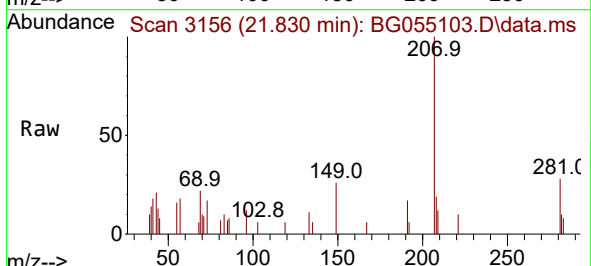
Tgt Ion:149 Resp: 986

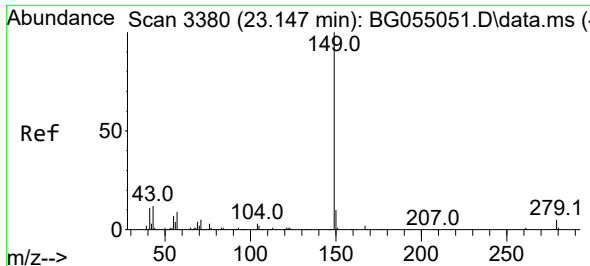
Ion Ratio Lower Upper

149 100

167 22.1 21.0 31.4

279 0.0 3.4 5.2#

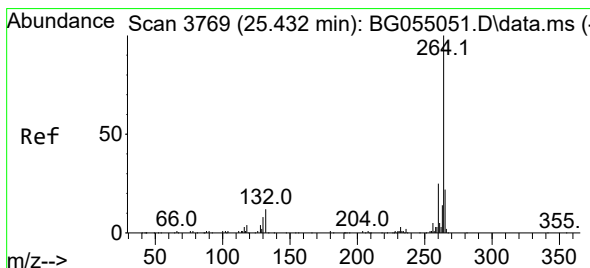
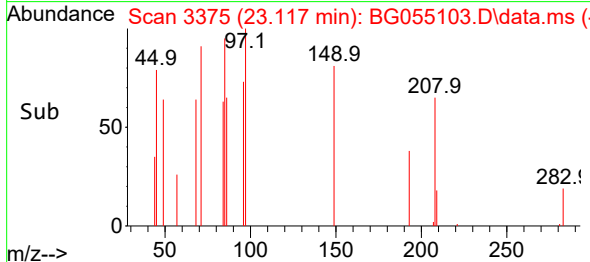
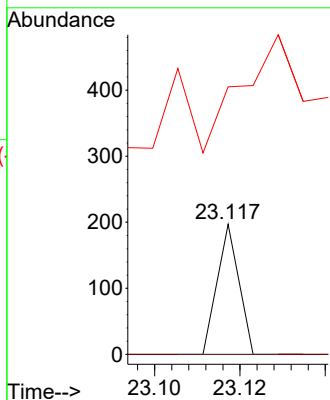
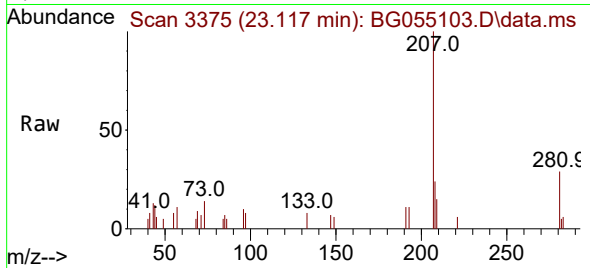




#85  
Di-n-octyl phthalate  
Concen: 4.347 ng  
RT: 23.117 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Instrument :  
BNA\_G  
ClientSampleId :  
5869-3

Tgt Ion:149 Resp: 69  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.3 1.9#  
43 442.0 10.2 15.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.409 min Scan# 3765  
Delta R.T. -0.009 min  
Lab File: BG055103.D  
Acq: 7 Oct 2022 17:36

Tgt Ion:264 Resp: 211526  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.7 29.5  
265 21.3 17.8 26.6

