

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100722\  
 Data File : BG055104.D  
 Acq On : 7 Oct 2022 18:19  
 Operator : CG/JU  
 Sample : N5031-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 5869-4

Quant Time: Oct 08 03:10:43 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

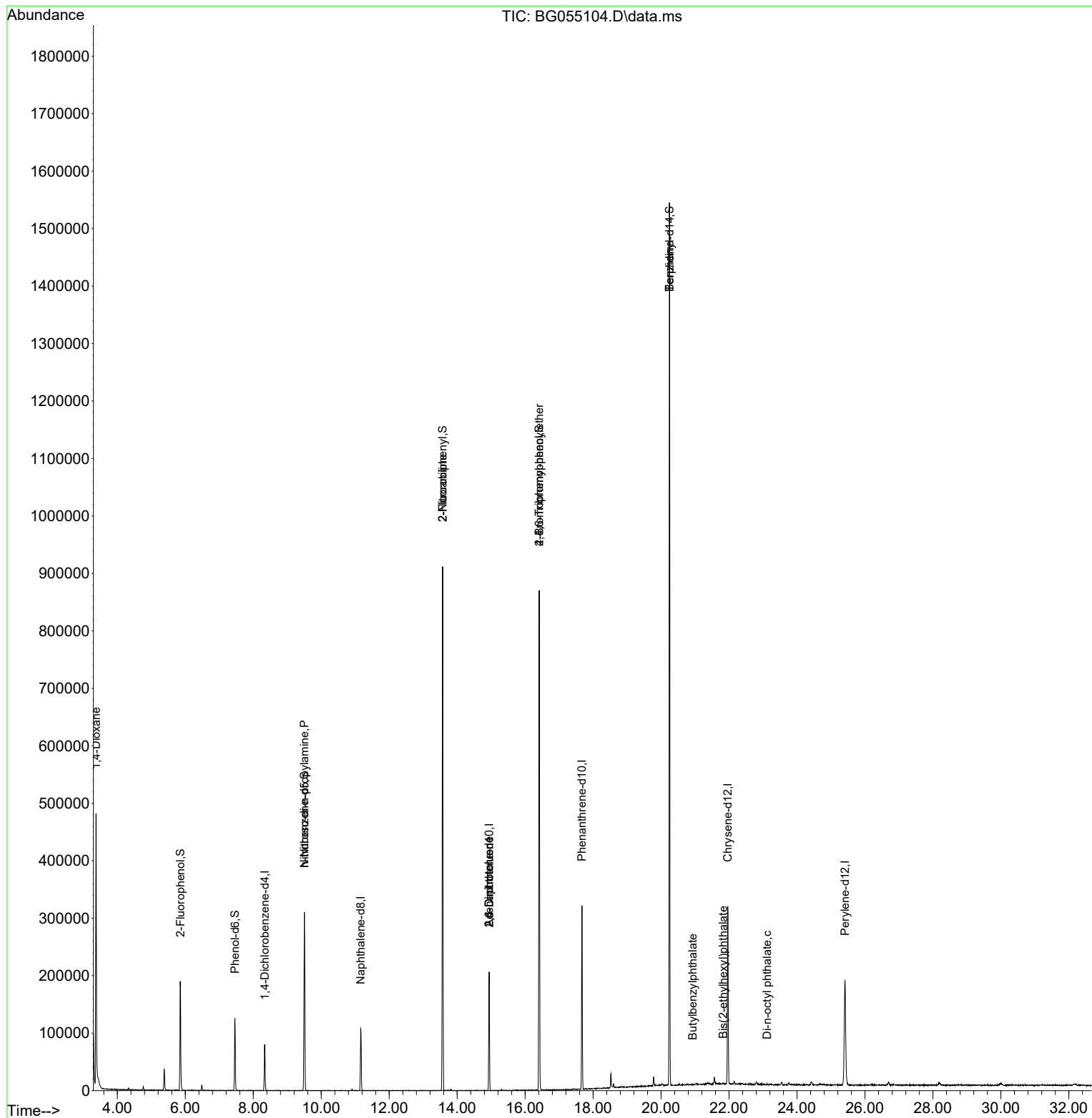
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.336  | 152  | 22472    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.162 | 136  | 93371    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.940 | 164  | 70887    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.672 | 188  | 195899   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.961 | 240  | 200149   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.410 | 264  | 214239   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.851  | 112  | 83459    | 82.491  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.461  | 99   | 67897    | 44.790  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.505  | 82   | 181832   | 116.366 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.415 | 330  | 180266   | 239.159 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.571 | 172  | 453497   | 99.872  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.246 | 244  | 777277   | 78.493  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.371  | 88   | 4256     | 7.435   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 9.505  | 70   | 25844    | 17.600  | ng    | # 76     |
| 48) 2-Nitroaniline            | 13.571 | 65   | 712      | 4.673   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.940 | 165  | 9125     | 12.087  | ng    | # 13     |
| 57) 2,4-Dinitrotoluene        | 14.940 | 165  | 9125     | 9.877   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.415 | 248  | 10932    | 5.277   | ng    | # 1      |
| 77) Benzidine                 | 20.246 | 184  | 11331    | 3.286   | ng    | # 90     |
| 80) Butylbenzylphthalate      | 20.933 | 149  | 222      | 4.886   | ng    | # 60     |
| 84) Bis(2-ethylhexyl)phtha... | 21.826 | 149  | 833      | 4.223   | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 23.119 | 149  | 199      | 4.358   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

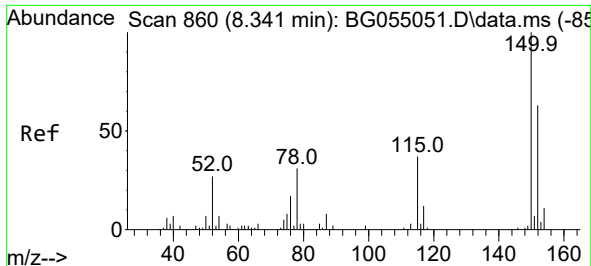
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG100722\  
Data File : BG055104.D  
Acq On : 7 Oct 2022 18:19  
Operator : CG/JU  
Sample : N5031-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

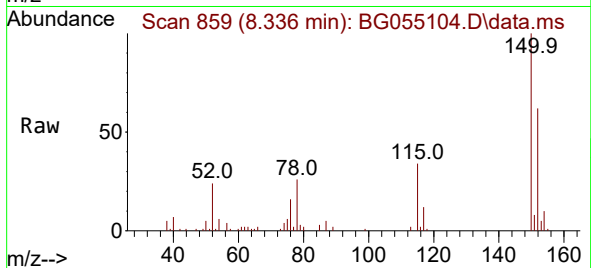
Quant Time: Oct 08 03:10:43 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 08 03:04:59 2022  
Response via : Initial Calibration



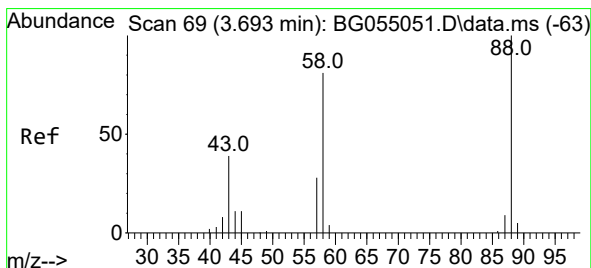
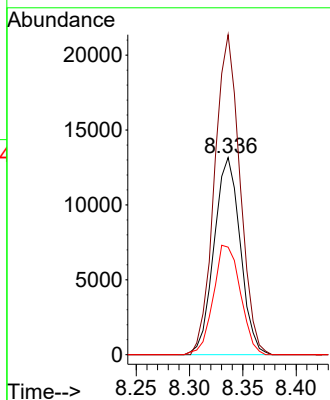
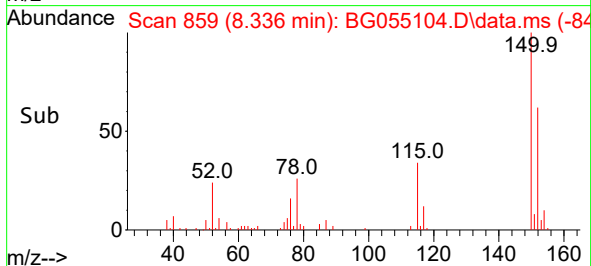


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.336 min Scan# 8  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

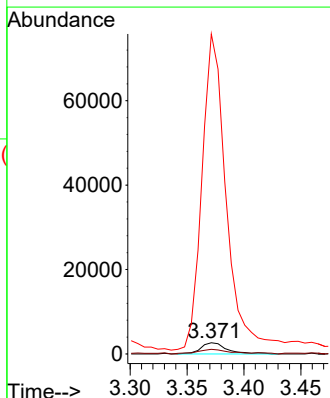
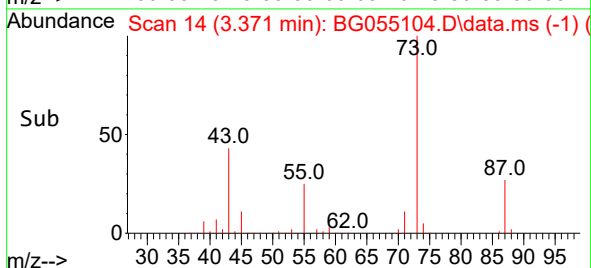
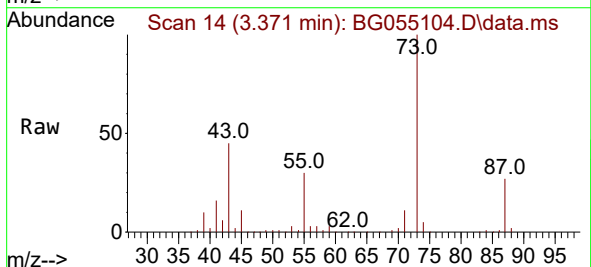


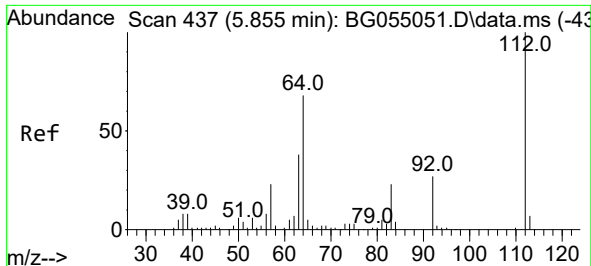
Tgt Ion:152 Resp: 22472  
Ion Ratio Lower Upper  
152 100  
150 162.3 128.0 192.0  
115 54.6 47.7 71.5



#2  
1,4-Dioxane  
Concen: 7.435 ng  
RT: 3.371 min Scan# 14  
Delta R.T. -0.313 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion: 88 Resp: 4256  
Ion Ratio Lower Upper  
88 100  
58 50.1 62.6 94.0#  
43 2627.9 29.0 43.6#

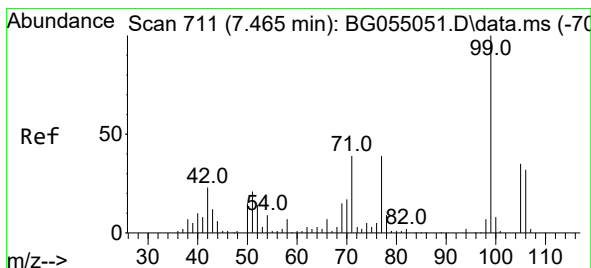
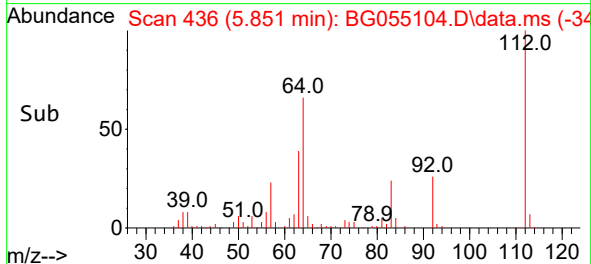
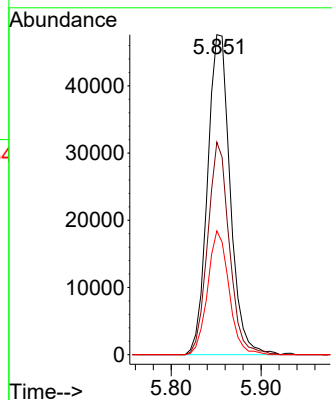
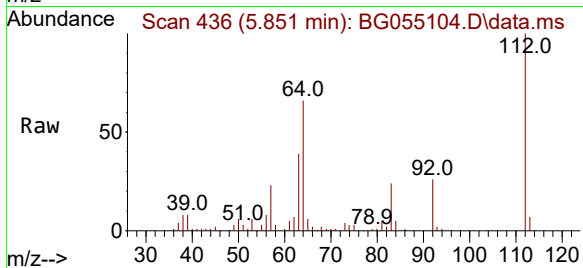




#5  
2-Fluorophenol  
Concen: 82.491 ng  
RT: 5.851 min Scan# 41  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

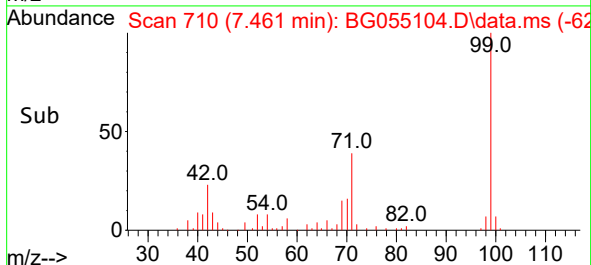
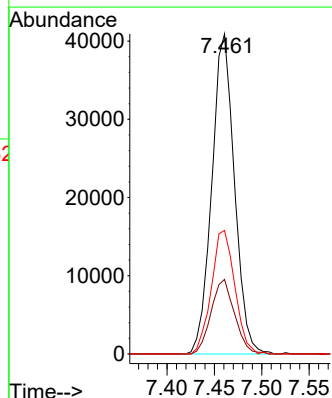
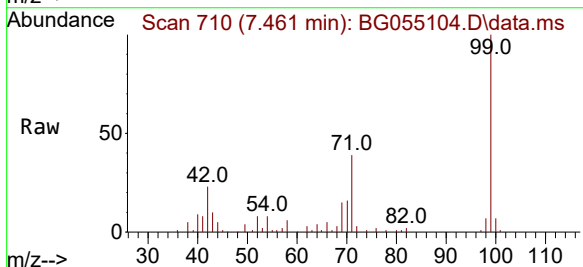
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

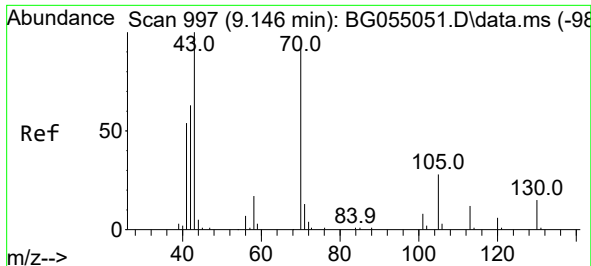
Tgt Ion:112 Resp: 83459  
Ion Ratio Lower Upper  
112 100  
64 66.4 54.5 81.7  
63 38.7 30.5 45.7



#7  
Phenol-d6  
Concen: 44.790 ng  
RT: 7.461 min Scan# 710  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion: 99 Resp: 67897  
Ion Ratio Lower Upper  
99 100  
42 23.3 18.6 28.0  
71 38.6 31.2 46.8





#19

n-Nitroso-di-n-propylamine

Concen: 17.600 ng

RT: 9.505 min Scan# 1058

Delta R.T. 0.368 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

Instrument :

BNA\_G

ClientSampleId :

5869-4

Tgt Ion: 70 Resp: 25844

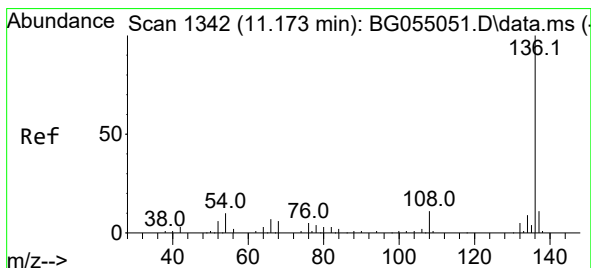
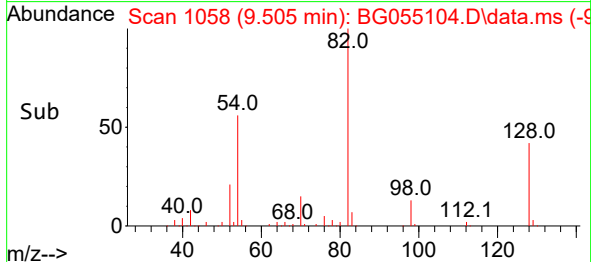
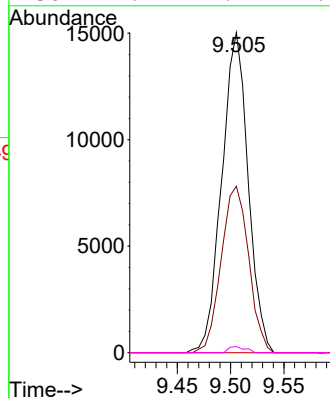
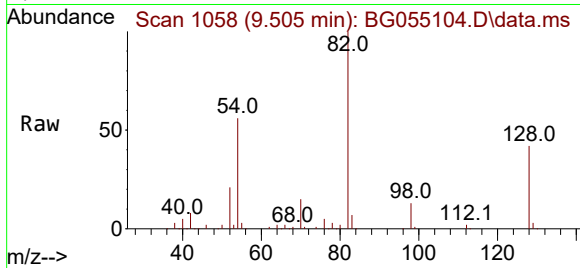
Ion Ratio Lower Upper

70 100

42 52.0 55.8 83.6#

101 0.0 7.1 10.7#

130 1.9 12.9 19.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.162 min Scan# 1340

Delta R.T. -0.008 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

Tgt Ion:136 Resp: 93371

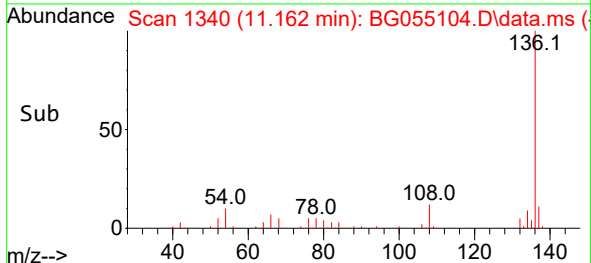
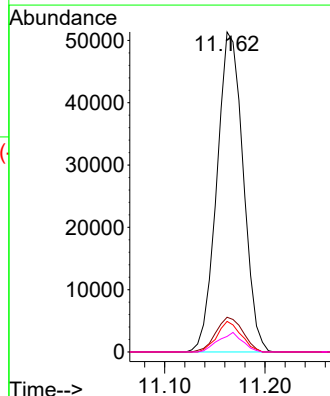
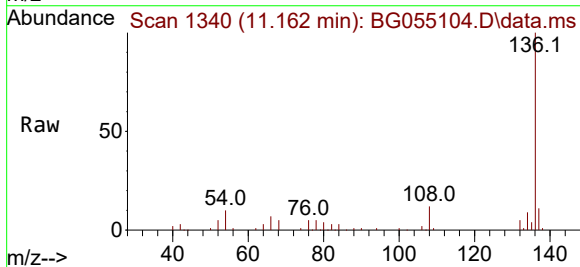
Ion Ratio Lower Upper

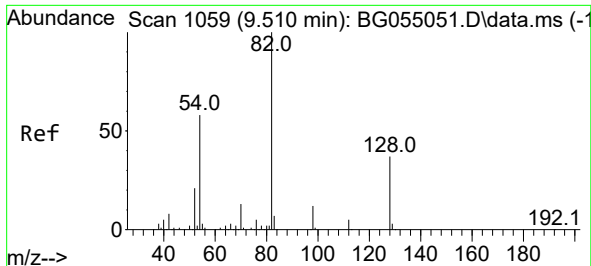
136 100

137 10.9 8.7 13.1

54 9.5 8.2 12.4

68 4.8 4.9 7.3#

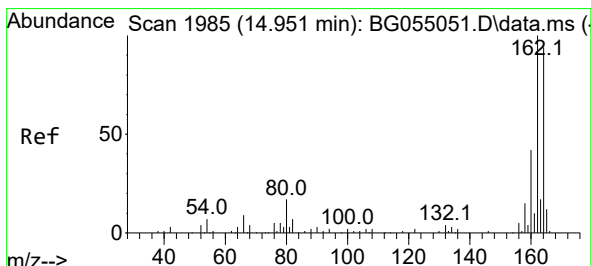
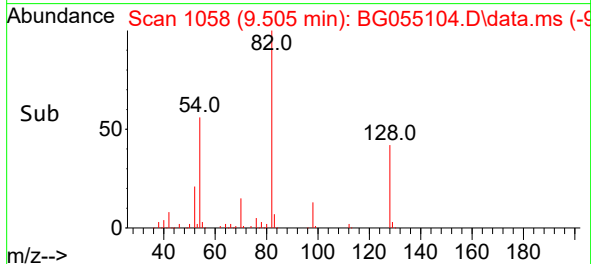
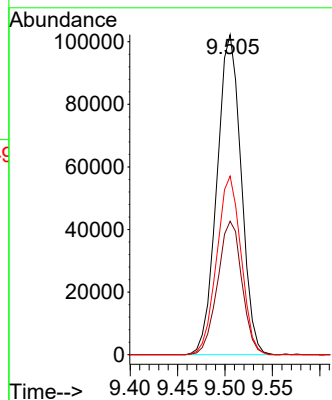
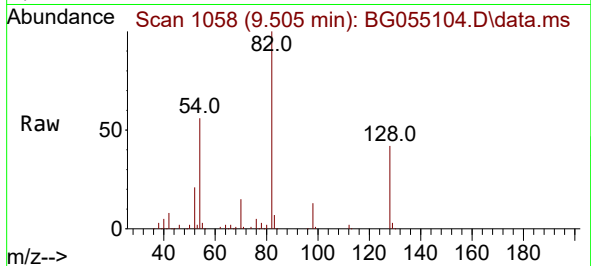




#23  
Nitrobenzene-d5  
Concen: 116.366 ng  
RT: 9.505 min Scan# 1058  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

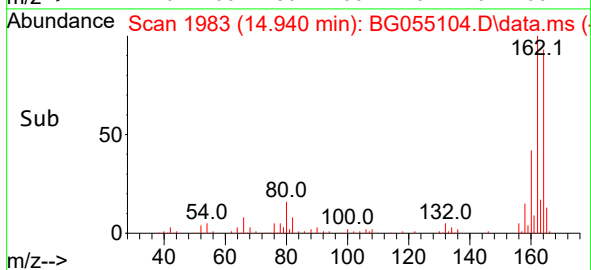
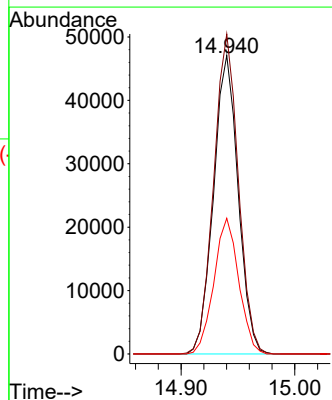
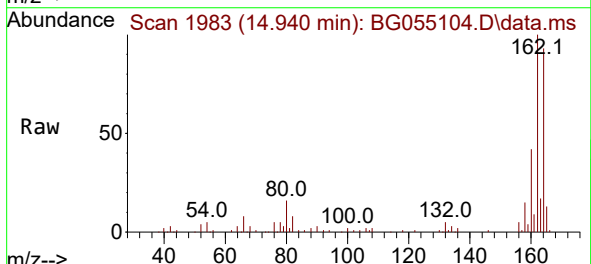
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

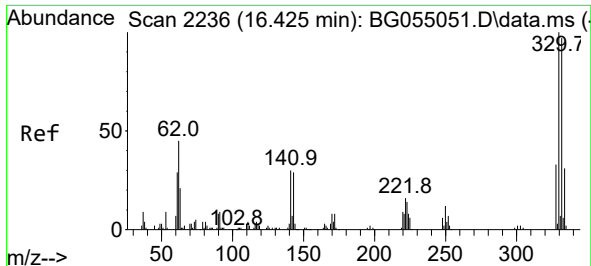
Tgt Ion: 82 Resp: 181832  
Ion Ratio Lower Upper  
82 100  
128 41.7 29.5 44.3  
54 55.8 46.7 70.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.940 min Scan# 1983  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

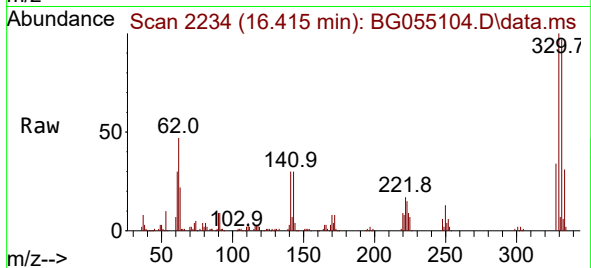
Tgt Ion: 164 Resp: 70887  
Ion Ratio Lower Upper  
164 100  
162 107.2 85.5 128.3  
160 45.4 35.5 53.3



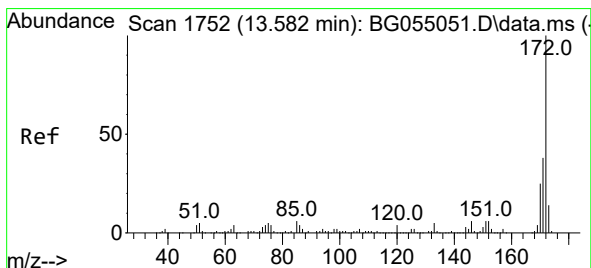
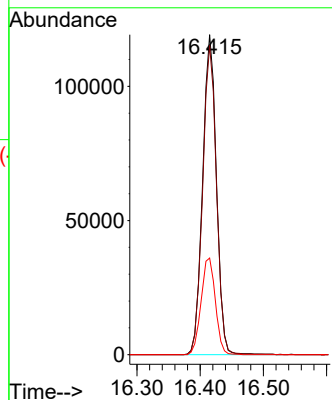


#42  
2,4,6-Tribromophenol  
Concen: 239.159 ng  
RT: 16.415 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

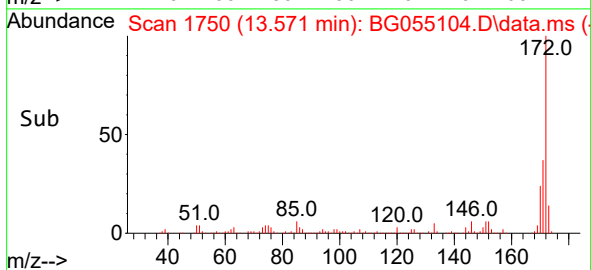
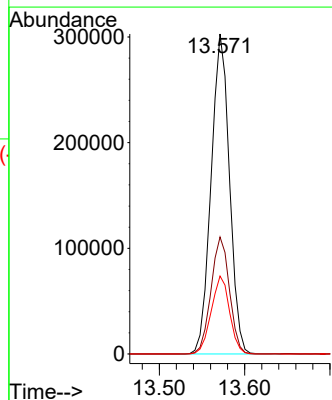
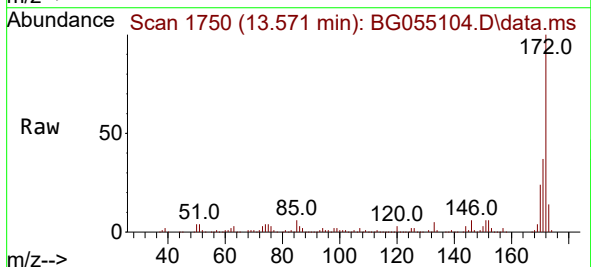


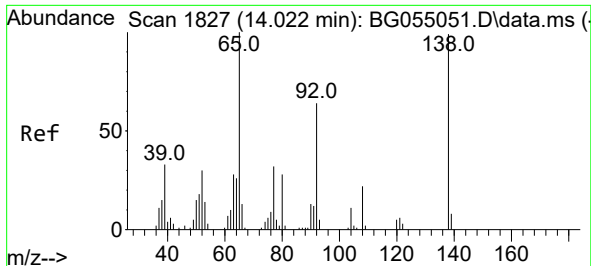
Tgt Ion:330 Resp: 180266  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.4 116.0  
141 31.3 25.0 37.4



#45  
2-Fluorobiphenyl  
Concen: 99.872 ng  
RT: 13.571 min Scan# 1750  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion:172 Resp: 453497  
Ion Ratio Lower Upper  
172 100  
171 36.6 30.1 45.1  
170 24.4 20.0 30.0

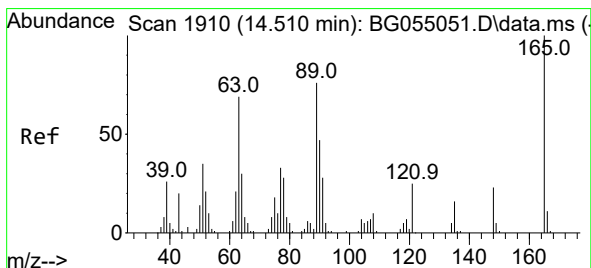
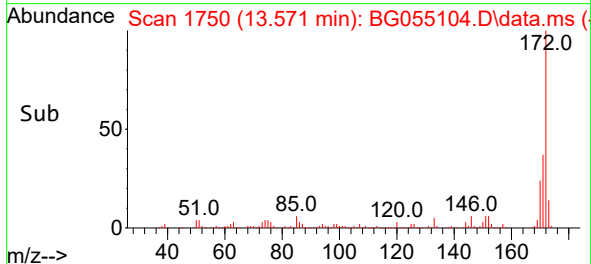
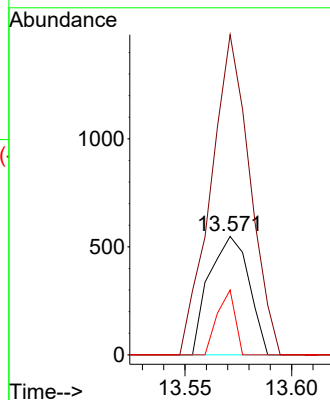
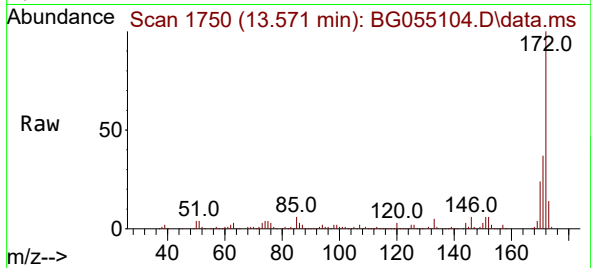




#48  
2-Nitroaniline  
Concen: 4.673 ng  
RT: 13.571 min Scan# 11  
Delta R.T. -0.448 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

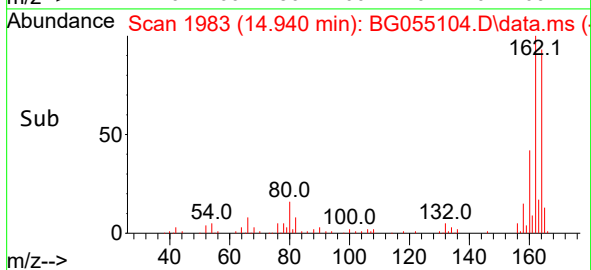
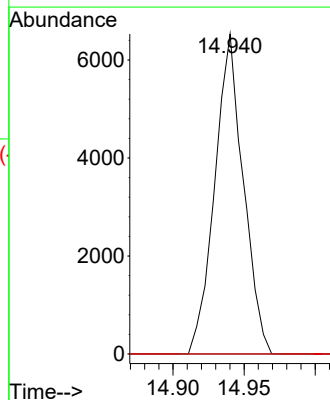
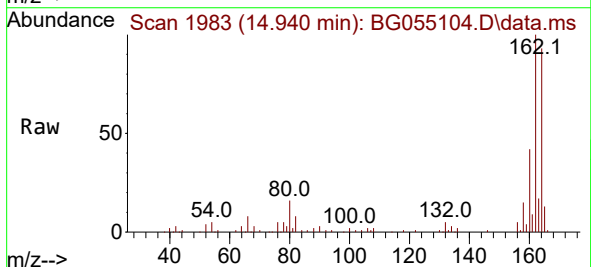
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

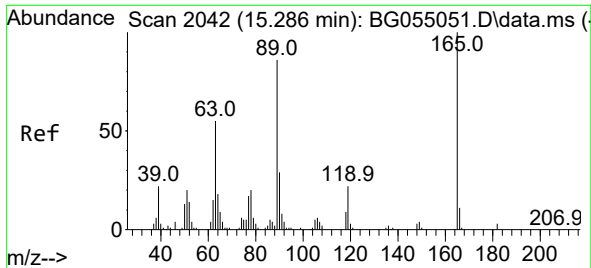
Tgt Ion: 65 Resp: 712  
Ion Ratio Lower Upper  
65 100  
92 270.4 50.9 76.3#  
138 54.7 79.5 119.3#



#51  
2,6-Dinitrotoluene  
Concen: 12.087 ng  
RT: 14.940 min Scan# 1983  
Delta R.T. 0.433 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion:165 Resp: 9125  
Ion Ratio Lower Upper  
165 100  
63 0.0 56.2 84.4#  
89 0.0 60.4 90.6#

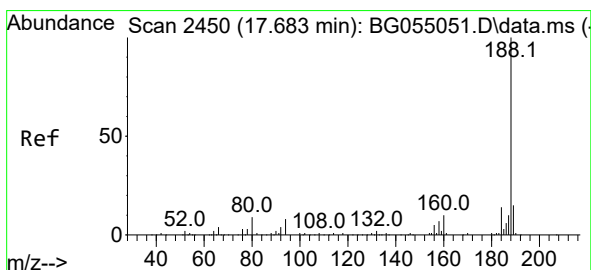
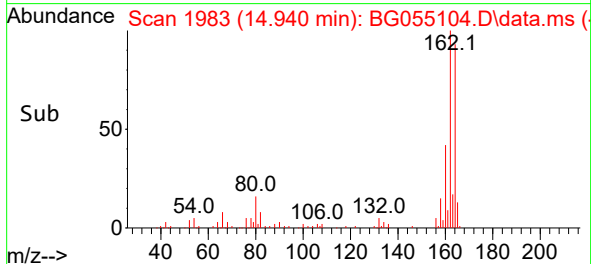
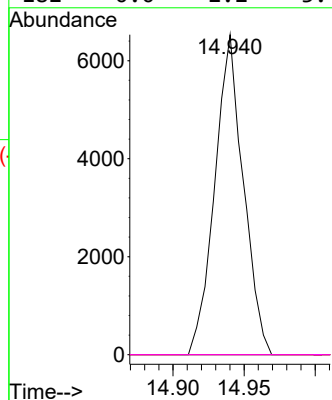
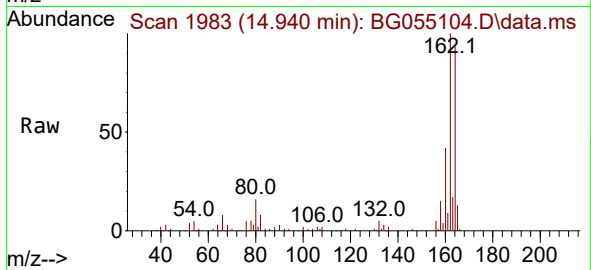




#57  
2,4-Dinitrotoluene  
Concen: 9.877 ng  
RT: 14.940 min Scan# 14  
Delta R.T. -0.342 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

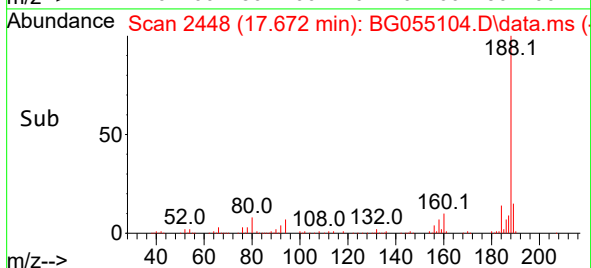
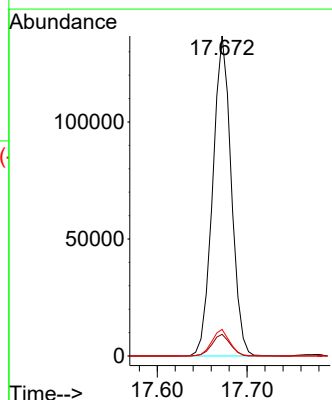
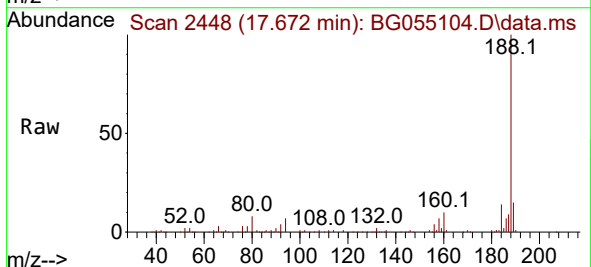
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

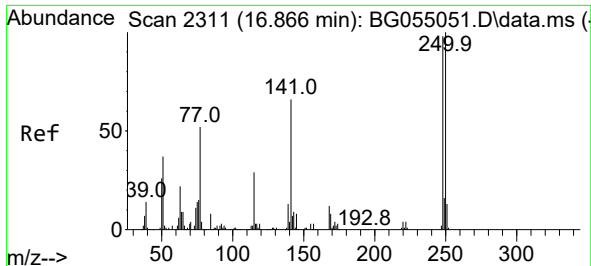
Tgt Ion:165 Resp: 9125  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.2 66.2#  
89 0.0 69.0 103.6#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.672 min Scan# 2448  
Delta R.T. -0.002 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion:188 Resp: 195899  
Ion Ratio Lower Upper  
188 100  
94 6.7 6.2 9.2  
80 8.3 7.2 10.8

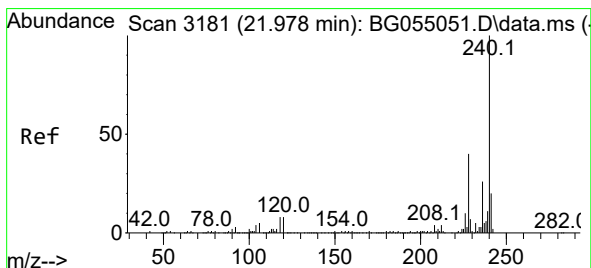
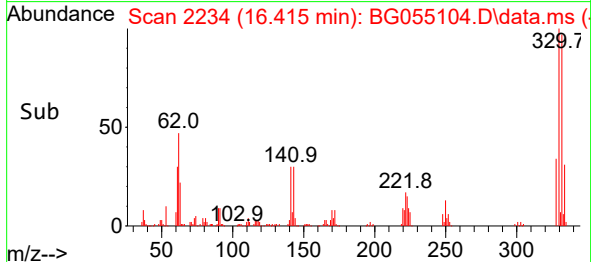
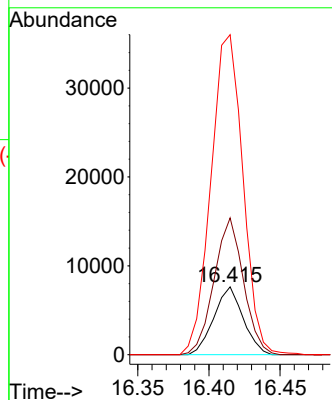
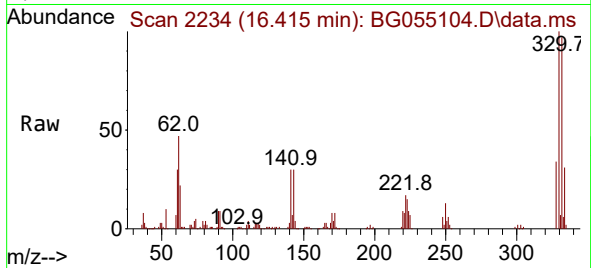




#67  
4-Bromophenyl-phenylether  
Concen: 5.277 ng  
RT: 16.415 min Scan# 21  
Delta R.T. -0.442 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

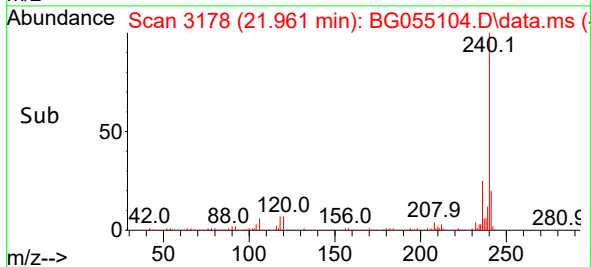
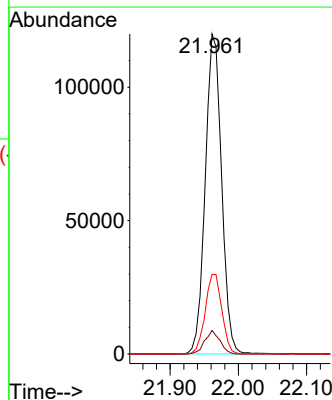
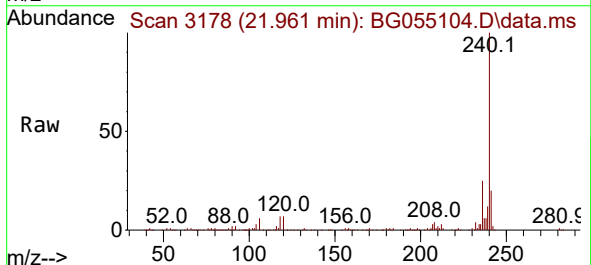
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

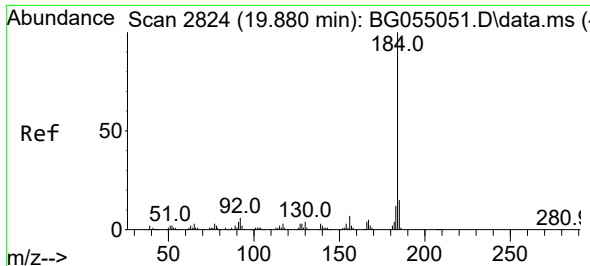
Tgt Ion:248 Resp: 10932  
Ion Ratio Lower Upper  
248 100  
250 201.7 81.7 122.5#  
141 471.8 53.7 80.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.961 min Scan# 3178  
Delta R.T. -0.008 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion:240 Resp: 200149  
Ion Ratio Lower Upper  
240 100  
120 7.3 6.2 9.4  
236 24.9 20.6 30.8

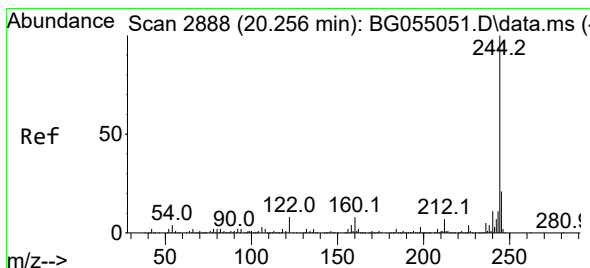
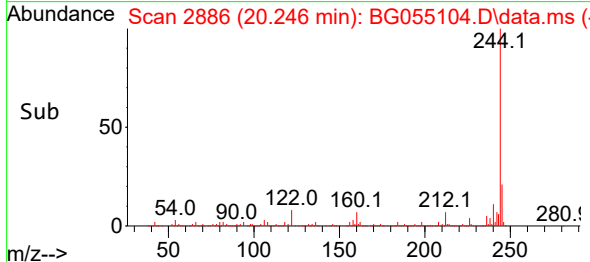
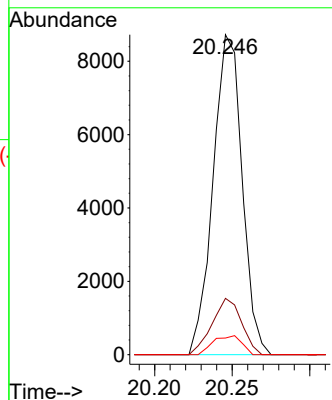
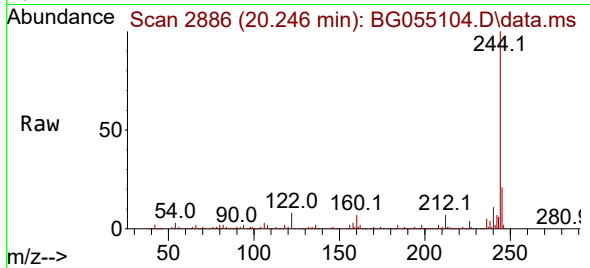




#77  
Benzidine  
Concen: 3.286 ng  
RT: 20.246 min Scan# 2886  
Delta R.T. 0.374 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

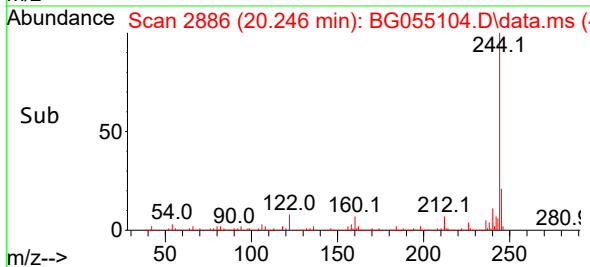
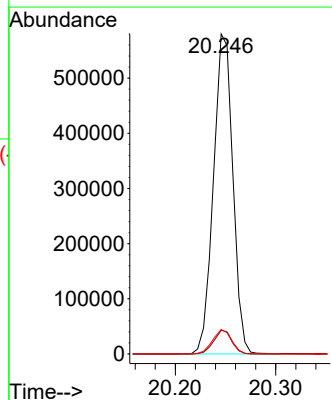
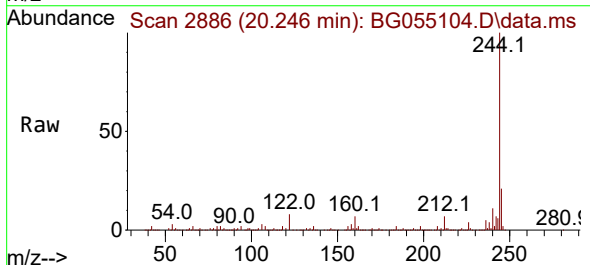
Instrument :  
BNA\_G  
ClientSampleId :  
5869-4

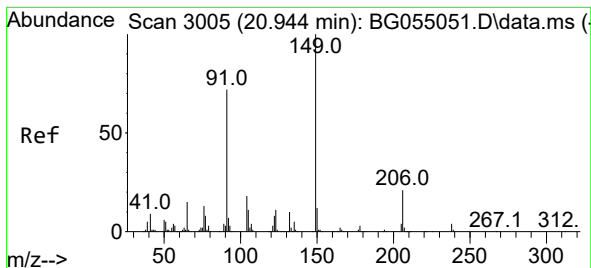
Tgt Ion:184 Resp: 11331  
Ion Ratio Lower Upper  
184 100  
185 17.6 12.2 18.4  
183 5.2 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 78.493 ng  
RT: 20.246 min Scan# 2886  
Delta R.T. -0.008 min  
Lab File: BG055104.D  
Acq: 7 Oct 2022 18:19

Tgt Ion:244 Resp: 777277  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 7.6 6.6 10.0





#80

Butylbenzylphthalate

Concen: 4.886 ng

RT: 20.933 min Scan# 30

Delta R.T. -0.002 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

Instrument :

BNA\_G

ClientSampleId :

5869-4

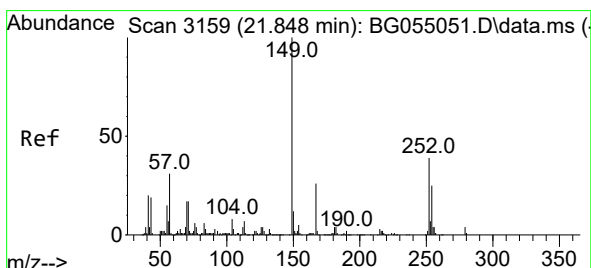
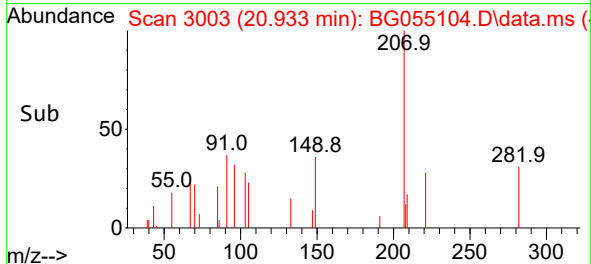
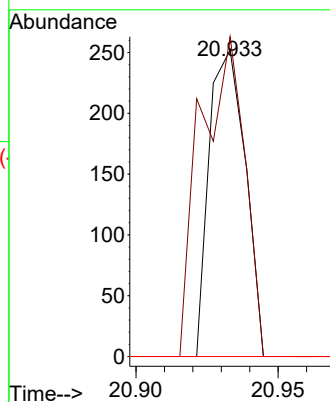
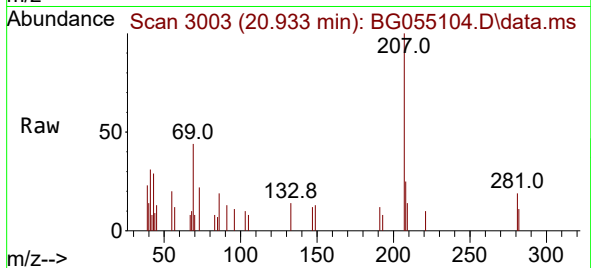
Tgt Ion:149 Resp: 222

Ion Ratio Lower Upper

149 100

91 104.4 57.8 86.8#

206 0.0 16.9 25.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.223 ng

RT: 21.826 min Scan# 3155

Delta R.T. -0.008 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

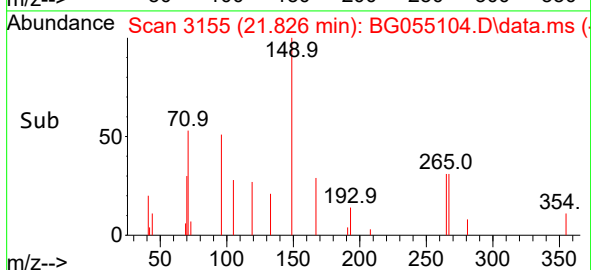
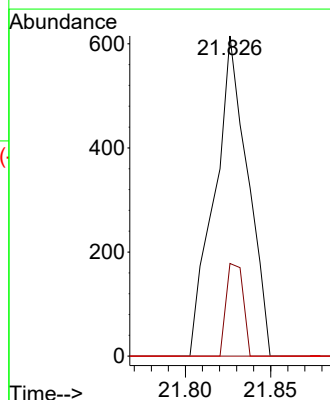
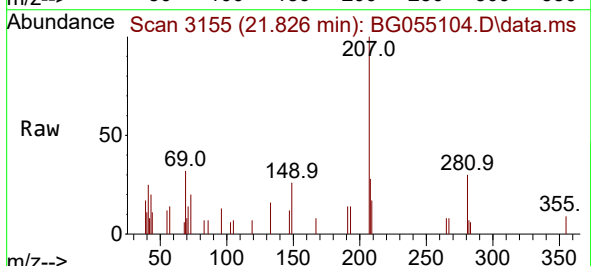
Tgt Ion:149 Resp: 833

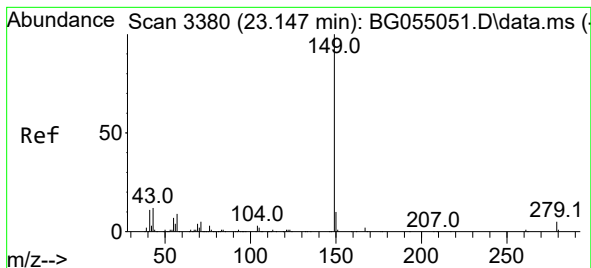
Ion Ratio Lower Upper

149 100

167 28.9 21.0 31.4

279 0.0 3.4 5.2#





#85

Di-n-octyl phthalate

Concen: 4.358 ng

RT: 23.119 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

Instrument :

BNA\_G

ClientSampleId :

5869-4

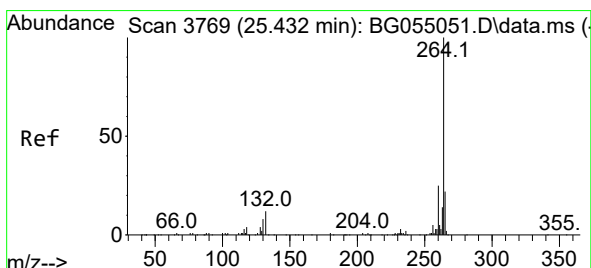
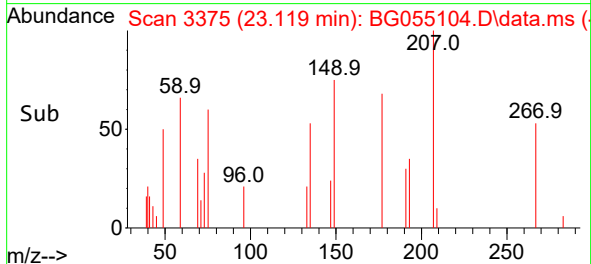
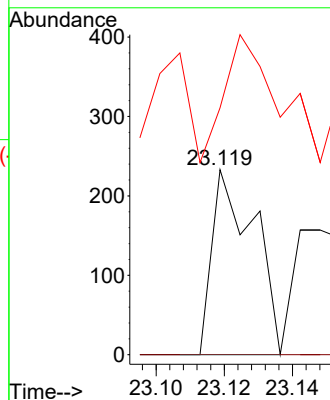
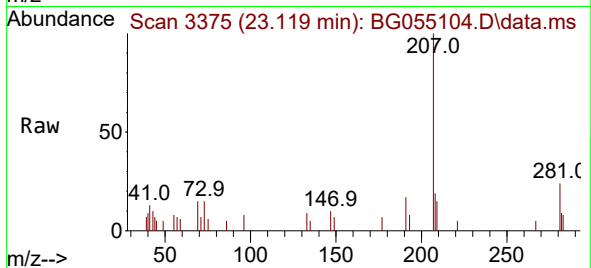
Tgt Ion:149 Resp: 199

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 87.4 10.2 15.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.410 min Scan# 3765

Delta R.T. -0.008 min

Lab File: BG055104.D

Acq: 7 Oct 2022 18:19

Tgt Ion:264 Resp: 214239

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 22.2 17.8 26.6

