

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042523\  
 Data File : BG057184.D  
 Acq On : 25 Apr 2023 20:03  
 Operator : CG/JU  
 Sample : 02386-03DL 100X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 26 00:25:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 25 04:59:02 2023  
 Response via : Initial Calibration

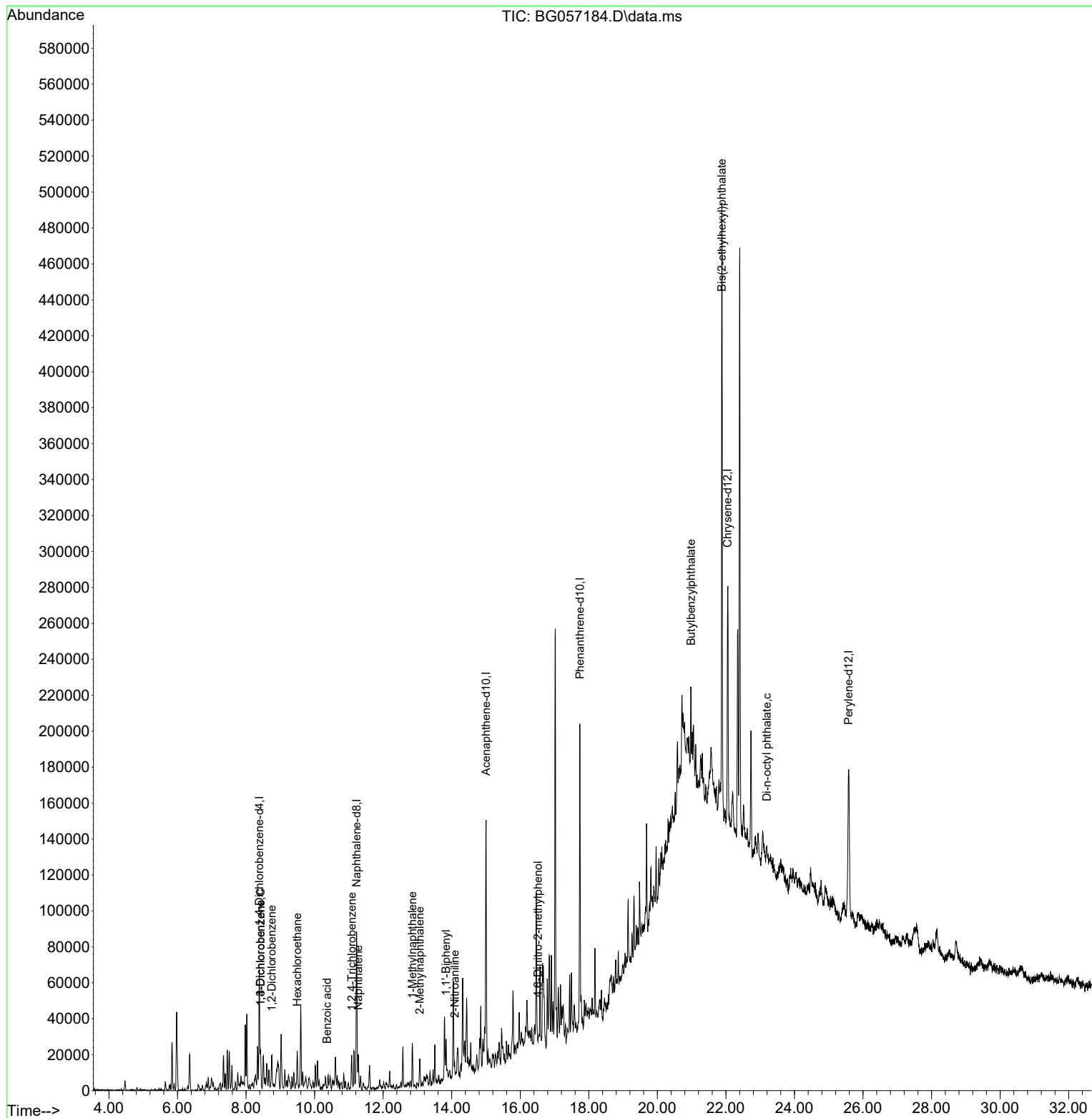
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.386  | 152  | 16972    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.224 | 136  | 68158    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 15.001 | 164  | 47110    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.738 | 188  | 102144   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.050 | 240  | 89492    | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.581 | 264  | 98210    | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.907  | 112  | 655      | 0.699  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.523  | 99   | 1226     | 0.905  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.561  | 82   | 1061     | 0.770  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.481 | 330  | 235      | 0.378  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.620 | 172  | 2285     | 0.652  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.305 | 244  | 3544     | 0.693  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 12) 1,3-Dichlorobenzene       | 8.422  | 146  | 6364     | 5.476  | ng    | 85       |
| 13) 1,4-Dichlorobenzene       | 8.422  | 146  | 6364     | 5.433  | ng    | 90       |
| 14) 1,2-Dichlorobenzene       | 8.745  | 146  | 7476     | 6.611  | ng    | 100      |
| 18) Hexachloroethane          | 9.491  | 117  | 1165     | 2.932  | ng    | # 1      |
| 30) 1,2,4-Trichlorobenzene    | 11.083 | 180  | 6070     | 4.483  | ng    | 95       |
| 31) Naphthalene               | 11.276 | 128  | 12583    | 3.476  | ng    | 98       |
| 32) Benzoic acid              | 10.366 | 122  | 85       | 6.295  | ng    | # 24     |
| 37) 2-Methylnaphthalene       | 13.068 | 142  | 6445     | 2.262  | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.851 | 142  | 11367    | 4.322  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.832 | 154  | 9746     | 2.775  | ng    | 99       |
| 48) 2-Nitroaniline            | 14.084 | 65   | 164      | 4.850  | ng    | # 4      |
| 65) 4,6-Dinitro-2-methylph... | 16.516 | 198  | 61       | 4.981  | ng    | # 1      |
| 80) Butylbenzylphthalate      | 20.981 | 149  | 2279     | 4.557  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 21.880 | 149  | 144293   | 56.845 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 23.190 | 149  | 8192     | 2.041  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

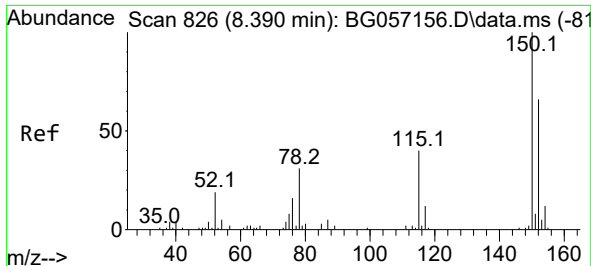
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042523\  
Data File : BG057184.D  
Acq On : 25 Apr 2023 20:03  
Operator : CG/JU  
Sample : 02386-03DL 100X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

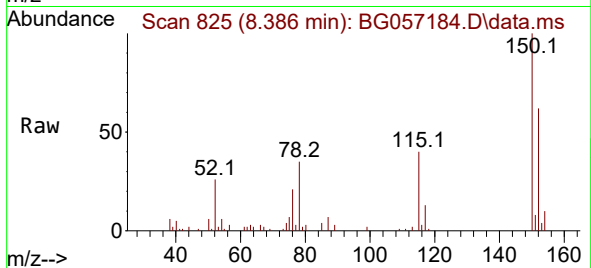
Quant Time: Apr 26 00:25:07 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Apr 25 04:59:02 2023  
Response via : Initial Calibration



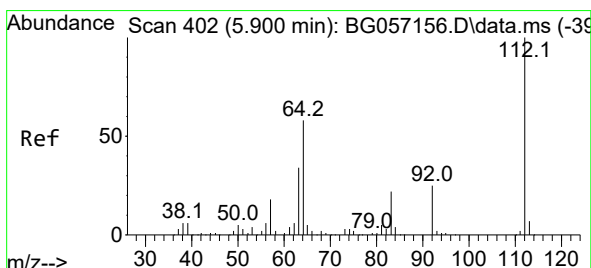
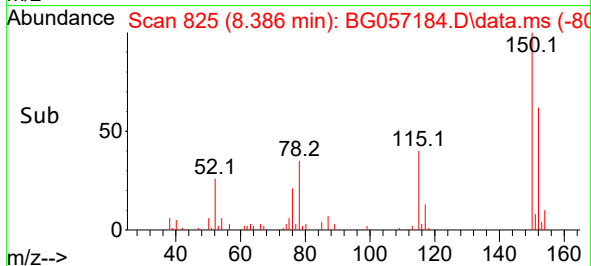
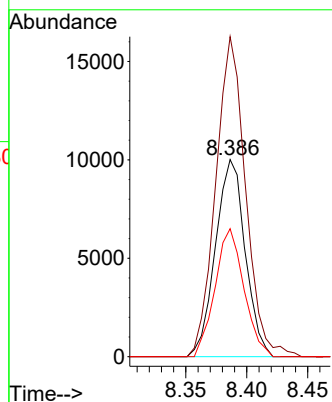


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.386 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Instrument :  
BNA\_G  
ClientSampleId :

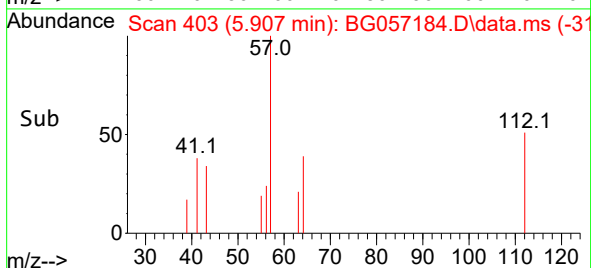
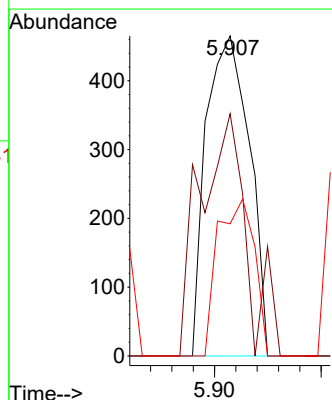
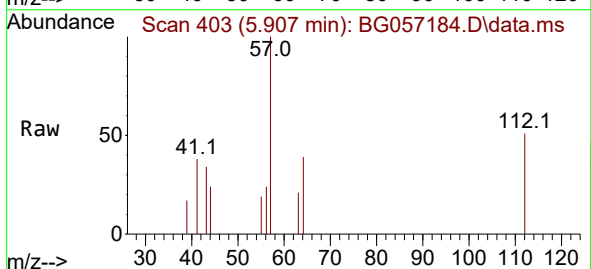


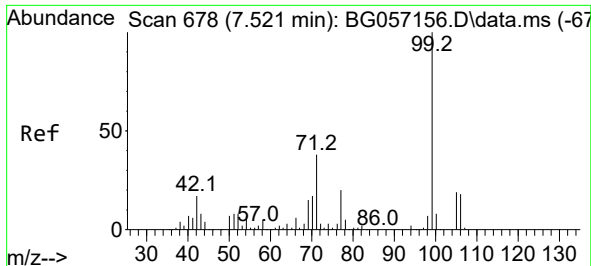
Tgt Ion:152 Resp: 16972  
Ion Ratio Lower Upper  
152 100  
150 162.3 121.4 182.2  
115 64.9 48.1 72.1



#5  
2-Fluorophenol  
Concen: 0.699 ng  
RT: 5.907 min Scan# 403  
Delta R.T. 0.008 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

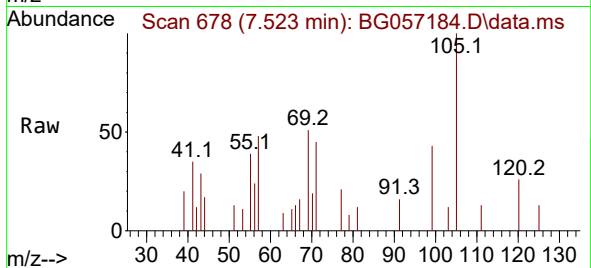
Tgt Ion:112 Resp: 655  
Ion Ratio Lower Upper  
112 100  
64 75.7 46.7 70.1#  
63 41.3 26.9 40.3#



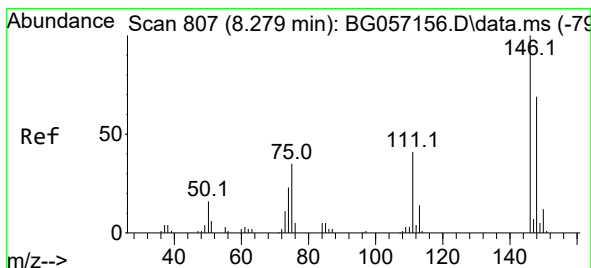
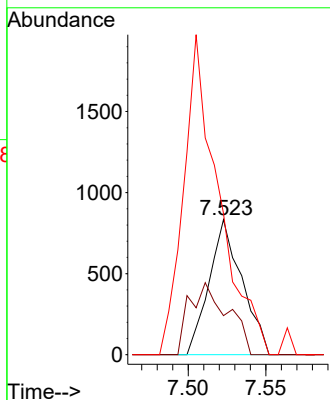
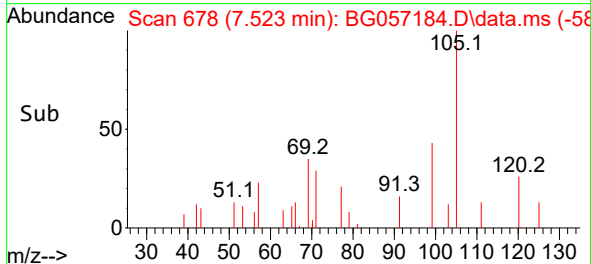


#7  
Phenol-d6  
Concen: 0.905 ng  
RT: 7.523 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

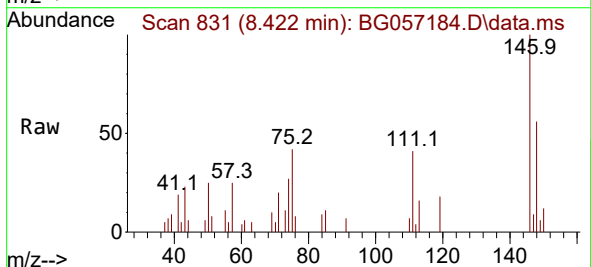
Instrument :  
BNA\_G  
ClientSampleId :



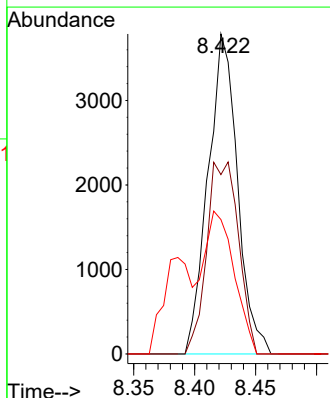
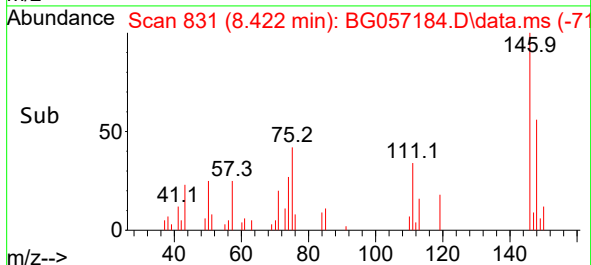
Tgt Ion: 99 Resp: 1226  
Ion Ratio Lower Upper  
99 100  
42 28.9 13.4 20.0#  
71 104.7 30.2 45.2#

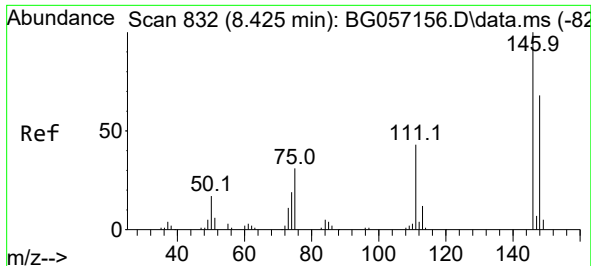


#12  
1,3-Dichlorobenzene  
Concen: 5.476 ng  
RT: 8.422 min Scan# 831  
Delta R.T. 0.143 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03



Tgt Ion: 146 Resp: 6364  
Ion Ratio Lower Upper  
146 100  
148 56.1 55.4 83.2  
75 42.0 28.2 42.4

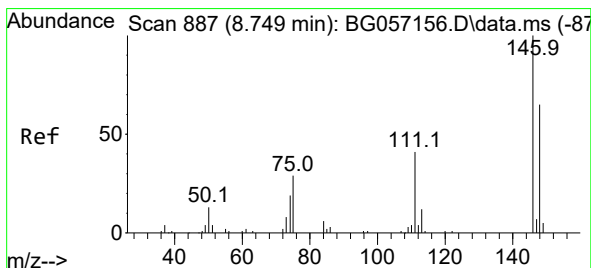
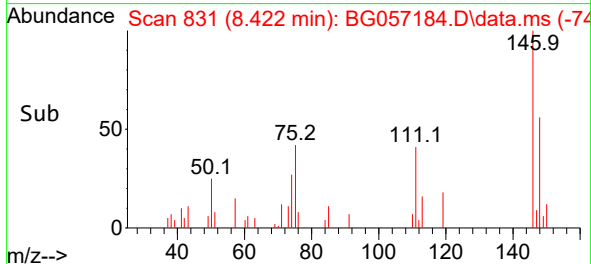
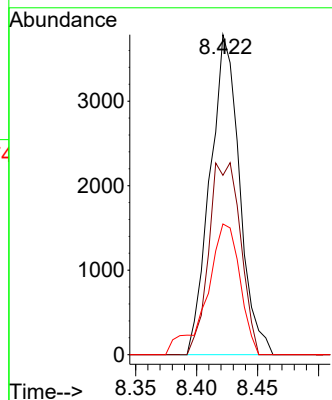
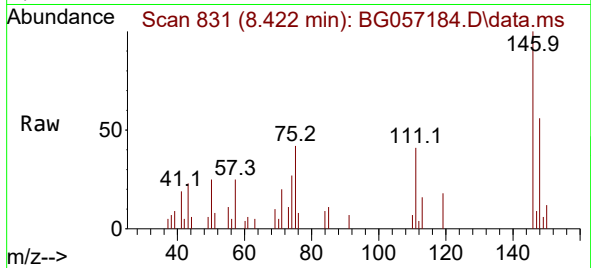




#13  
1,4-Dichlorobenzene  
Concen: 5.433 ng  
RT: 8.422 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

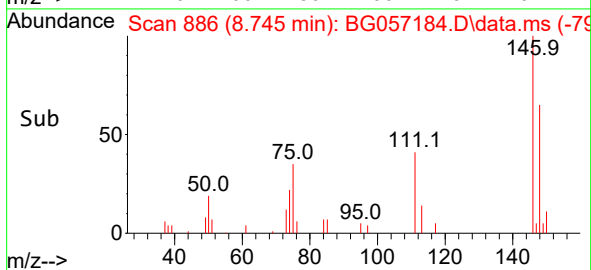
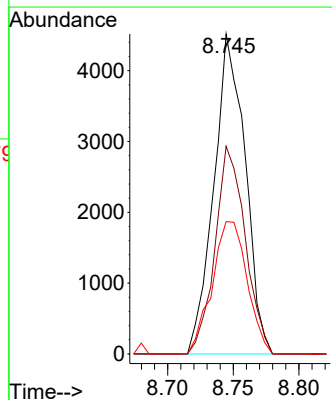
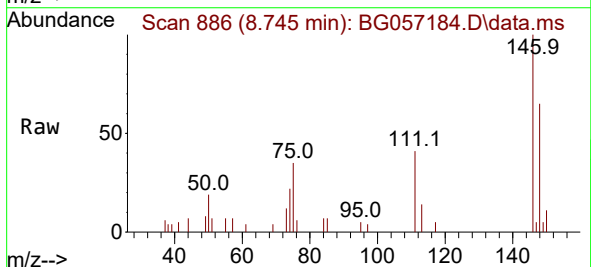
Instrument :  
BNA\_G  
ClientSampleId :

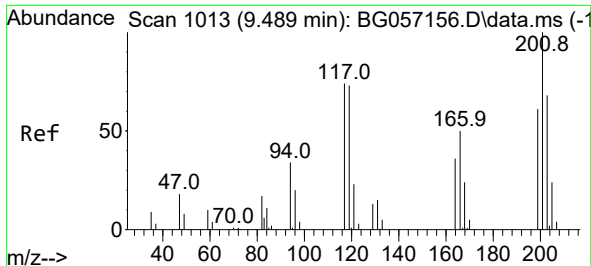
Tgt Ion:146 Resp: 6364  
Ion Ratio Lower Upper  
146 100  
148 56.1 54.3 81.5  
111 40.8 34.2 51.4



#14  
1,2-Dichlorobenzene  
Concen: 6.611 ng  
RT: 8.745 min Scan# 886  
Delta R.T. -0.004 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:146 Resp: 7476  
Ion Ratio Lower Upper  
146 100  
148 64.9 52.3 78.5  
111 41.3 33.1 49.7

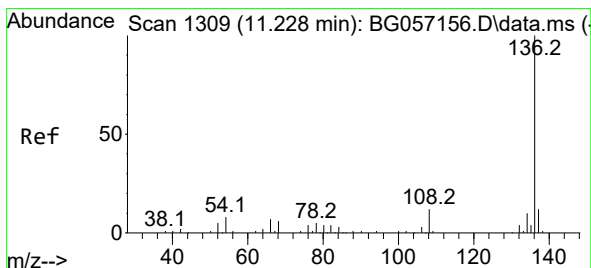
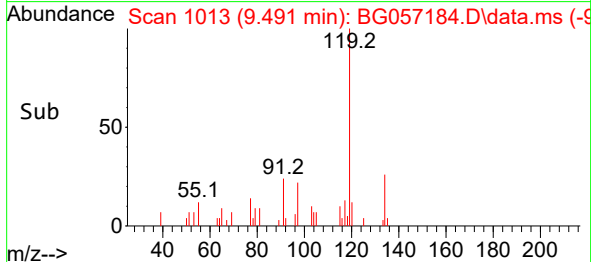
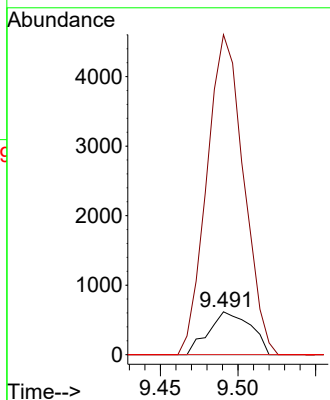
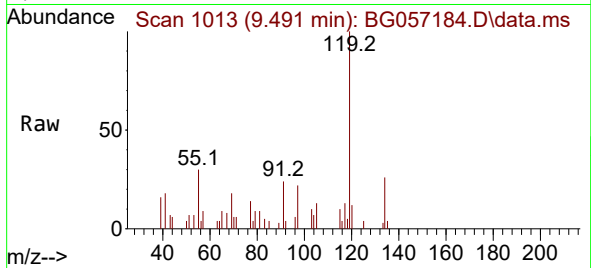




#18  
Hexachloroethane  
Concen: 2.932 ng  
RT: 9.491 min Scan# 1013  
Delta R.T. 0.002 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

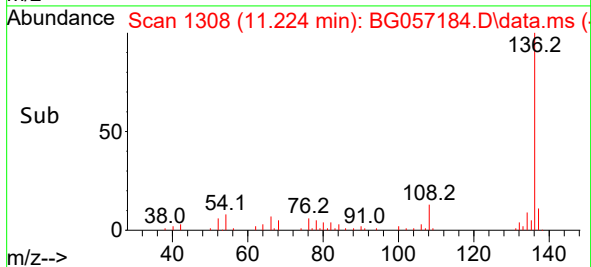
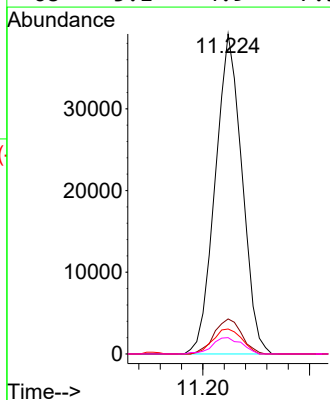
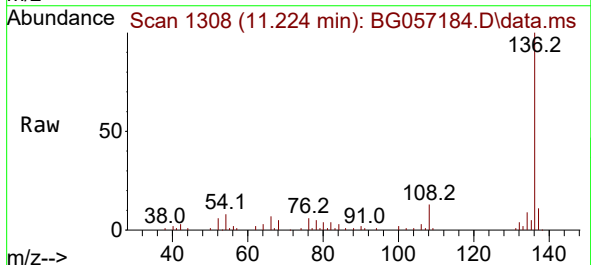
Instrument :  
BNA\_G  
ClientSampleId :

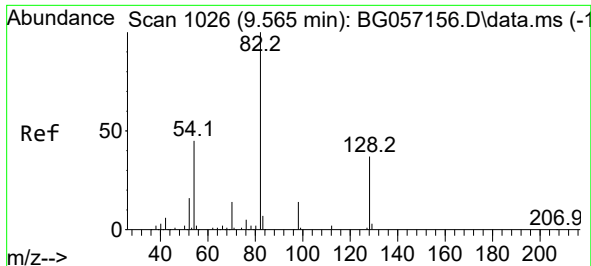
Tgt Ion:117 Resp: 1165  
Ion Ratio Lower Upper  
117 100  
119 744.8 78.3 117.5#  
201 0.0 107.6 161.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.224 min Scan# 1308  
Delta R.T. -0.004 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:136 Resp: 68158  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.5 14.3  
54 7.8 6.4 9.6  
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.770 ng

RT: 9.561 min Scan# 1025

Delta R.T. -0.004 min

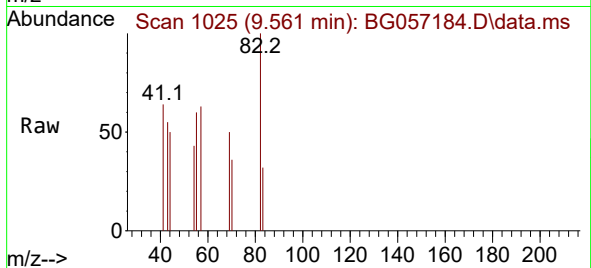
Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

Instrument :

BNA\_G

ClientSampleId :



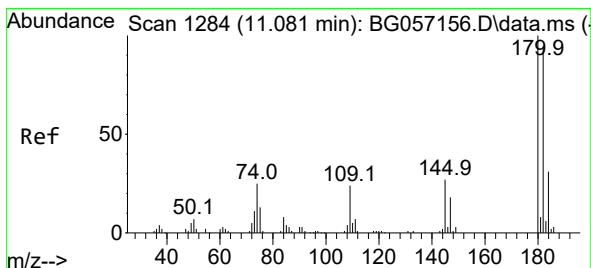
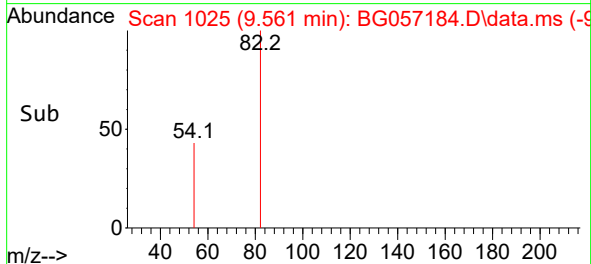
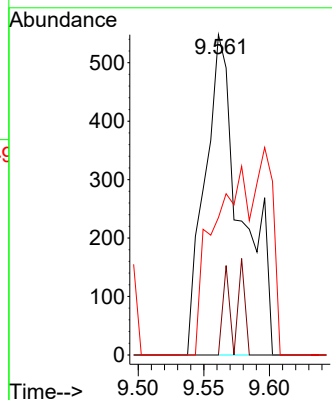
Tgt Ion: 82 Resp: 1061

Ion Ratio Lower Upper

82 100

128 0.0 29.4 44.2#

54 42.9 36.2 54.2



#30

1,2,4-Trichlorobenzene

Concen: 4.483 ng

RT: 11.083 min Scan# 1284

Delta R.T. 0.002 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

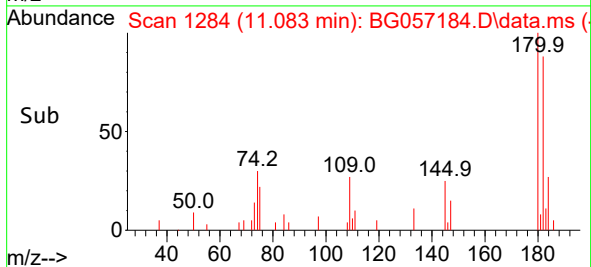
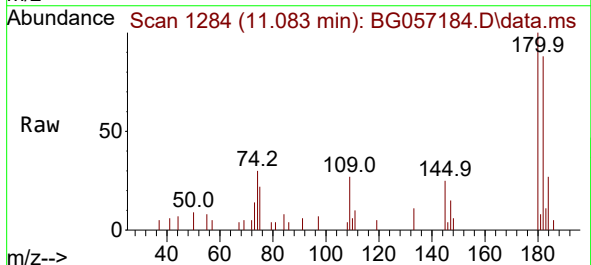
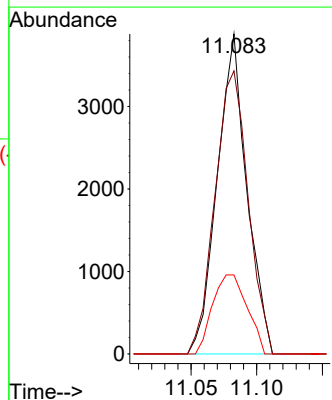
Tgt Ion:180 Resp: 6070

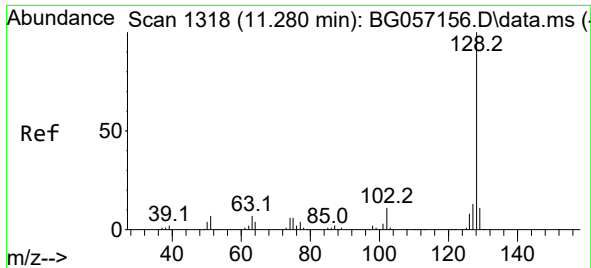
Ion Ratio Lower Upper

180 100

182 88.5 75.0 112.6

145 24.7 21.4 32.2

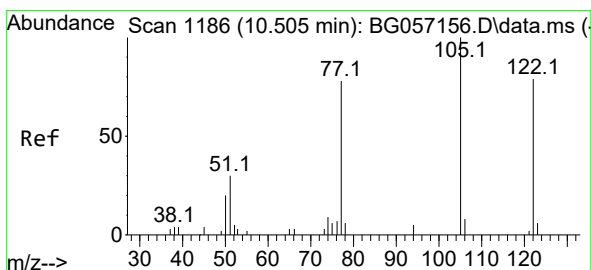
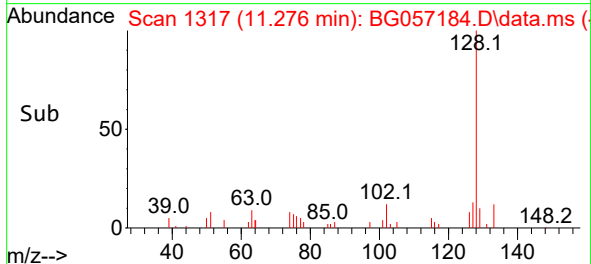
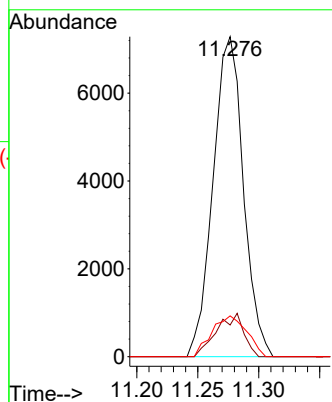
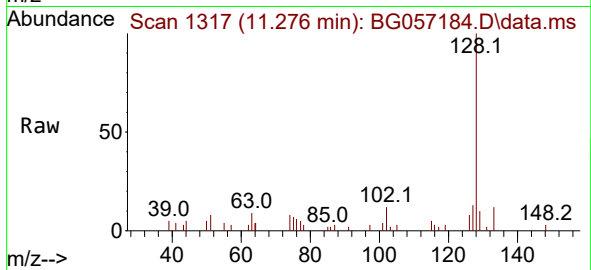




#31  
Naphthalene  
Concen: 3.476 ng  
RT: 11.276 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

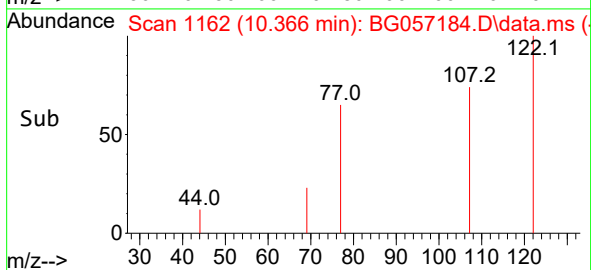
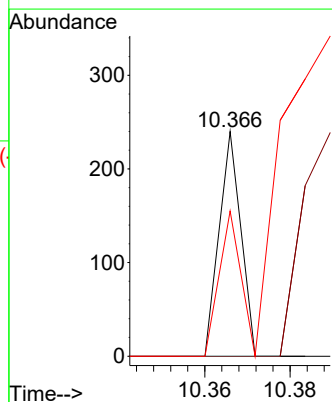
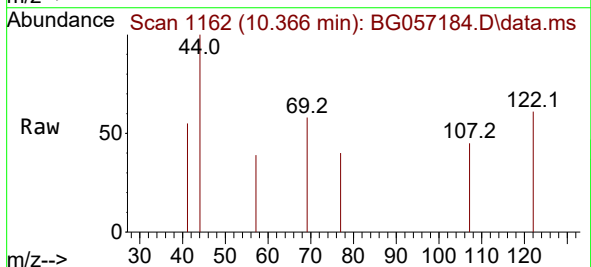
Instrument :  
BNA\_G  
ClientSampleId :

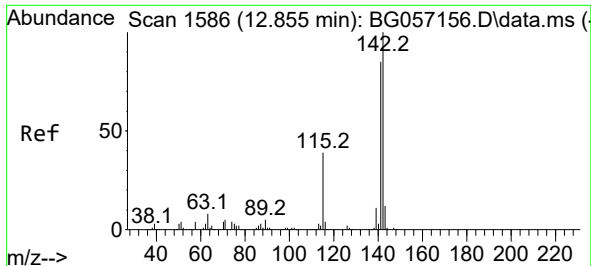
Tgt Ion:128 Resp: 12583  
Ion Ratio Lower Upper  
128 100  
129 9.9 8.8 13.2  
127 12.8 10.6 16.0



#32  
Benzoic acid  
Concen: 6.295 ng  
RT: 10.366 min Scan# 1162  
Delta R.T. -0.139 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:122 Resp: 85  
Ion Ratio Lower Upper  
122 100  
105 0.0 104.3 144.3#  
77 64.6 79.5 119.5#

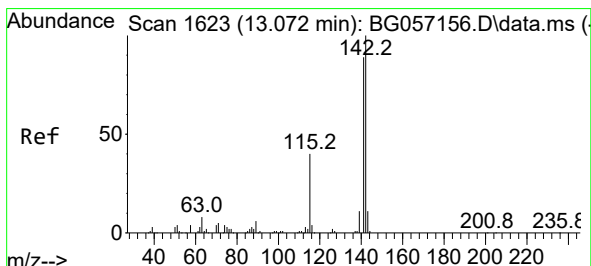
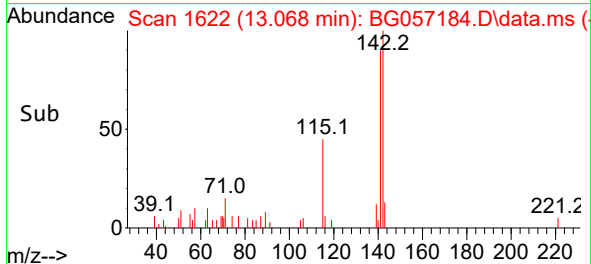
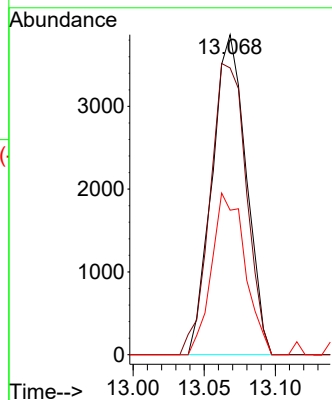
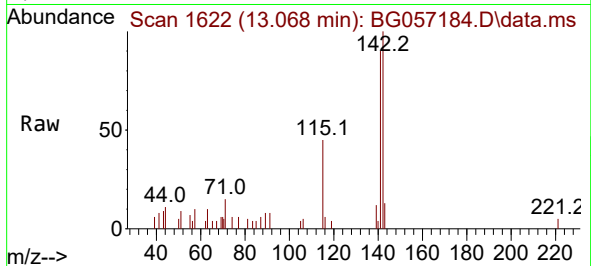




#37  
2-Methylnaphthalene  
Concen: 2.262 ng  
RT: 13.068 min Scan# 1  
Delta R.T. 0.213 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

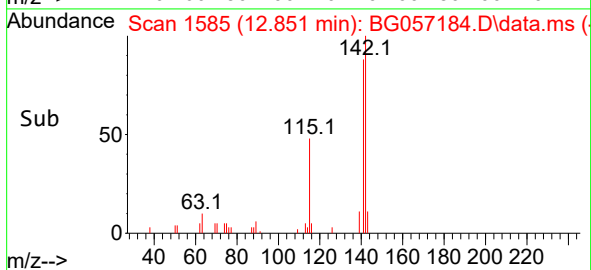
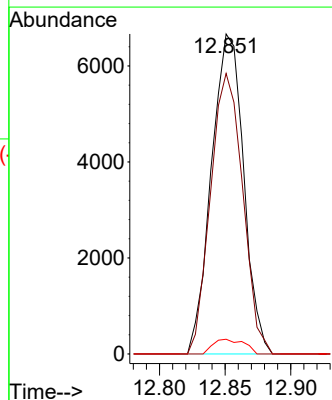
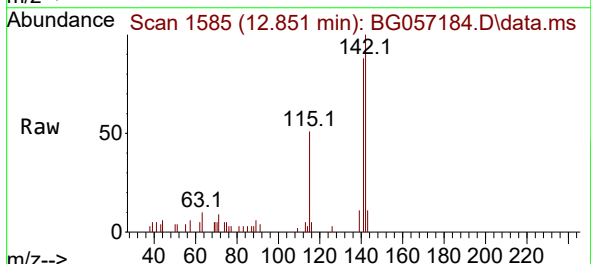
Instrument :  
BNA\_G  
ClientSampleId :

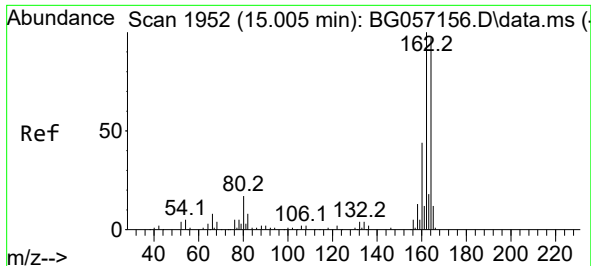
Tgt Ion:142 Resp: 6445  
Ion Ratio Lower Upper  
142 100  
141 89.6 68.1 102.1  
115 45.1 31.0 46.4



#38  
1-Methylnaphthalene  
Concen: 4.322 ng  
RT: 12.851 min Scan# 1585  
Delta R.T. -0.221 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:142 Resp: 11367  
Ion Ratio Lower Upper  
142 100  
141 87.7 71.6 107.4  
116 4.6 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.001 min Scan# 1951

Delta R.T. -0.004 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

Instrument :

BNA\_G

ClientSampleId :

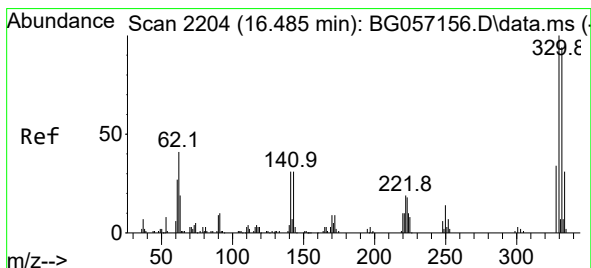
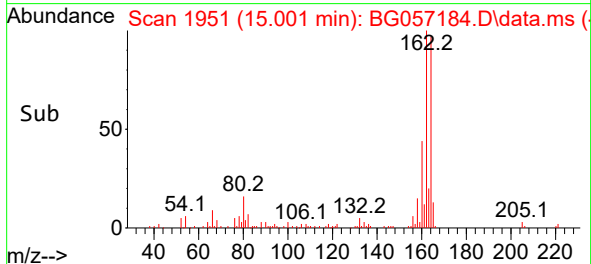
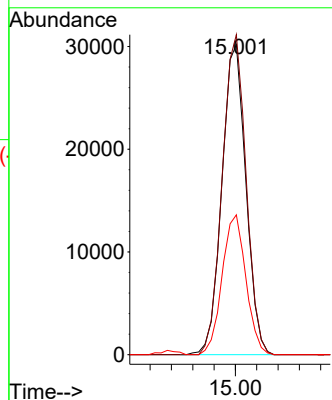
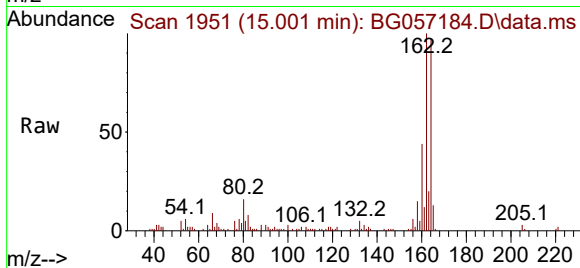
Tgt Ion:164 Resp: 47110

Ion Ratio Lower Upper

164 100

162 103.2 82.4 123.6

160 45.1 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 0.378 ng

RT: 16.481 min Scan# 2203

Delta R.T. -0.004 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

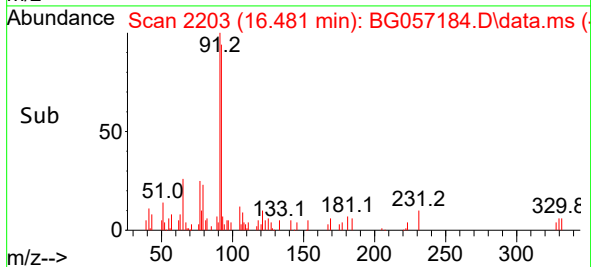
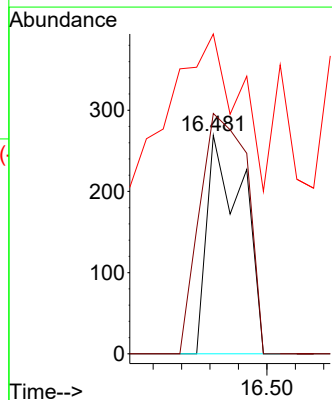
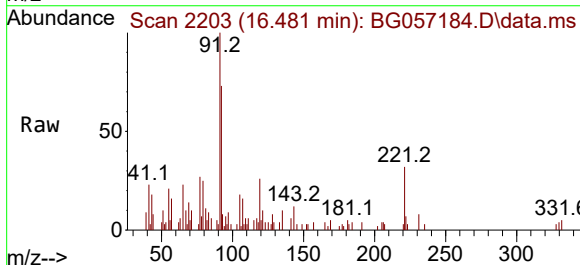
Tgt Ion:330 Resp: 235

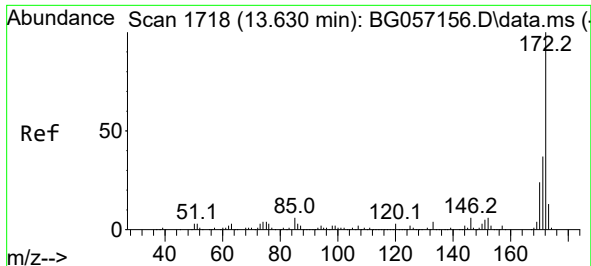
Ion Ratio Lower Upper

330 100

332 146.0 77.6 116.4#

141 326.4 26.0 39.0#

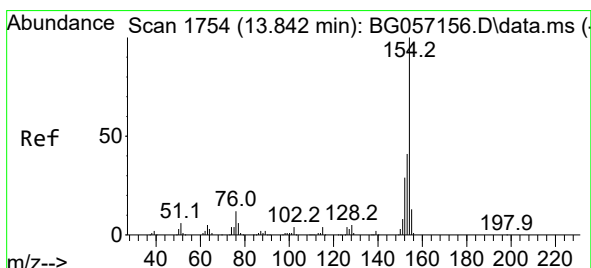
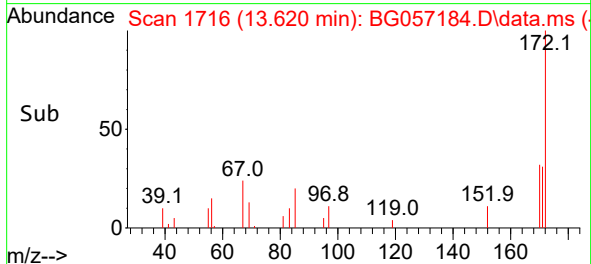
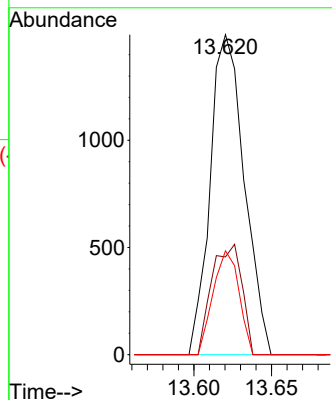
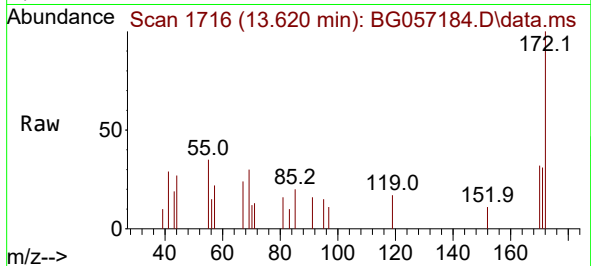




#45  
2-Fluorobiphenyl  
Concen: 0.652 ng  
RT: 13.620 min Scan# 1716  
Delta R.T. -0.010 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

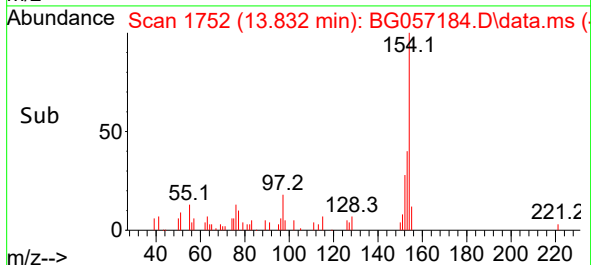
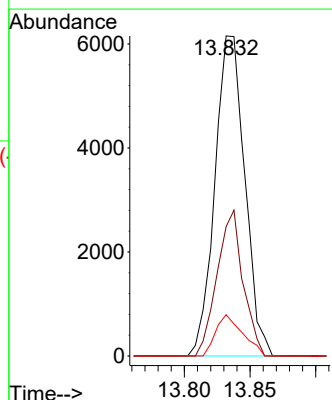
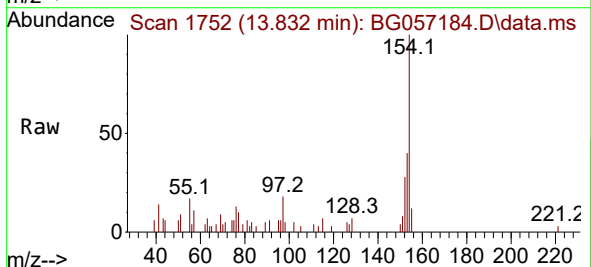
Instrument :  
BNA\_G  
ClientSampleId :

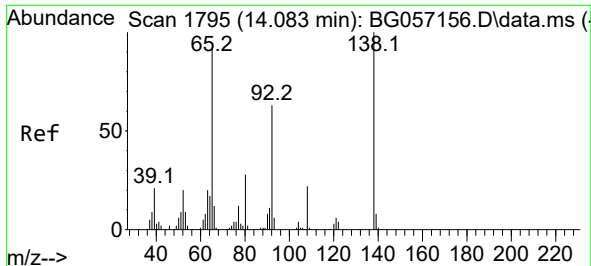
Tgt Ion:172 Resp: 2285  
Ion Ratio Lower Upper  
172 100  
171 30.5 29.2 43.8  
170 32.4 19.4 29.2#



#46  
1,1'-Biphenyl  
Concen: 2.775 ng  
RT: 13.832 min Scan# 1752  
Delta R.T. -0.010 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:154 Resp: 9746  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.9 60.9  
76 12.9 0.0 32.3





#48

2-Nitroaniline

Concen: 4.850 ng

RT: 14.084 min Scan# 1

Delta R.T. 0.001 min

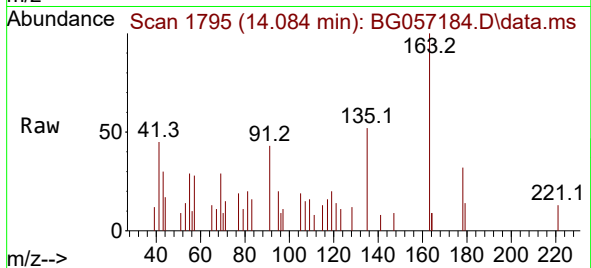
Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

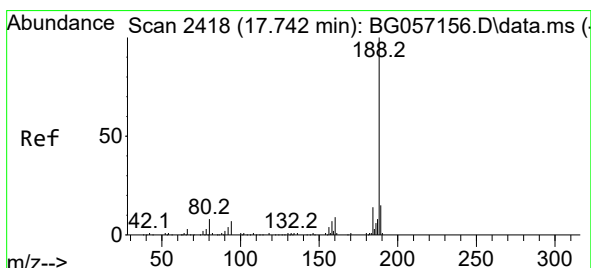
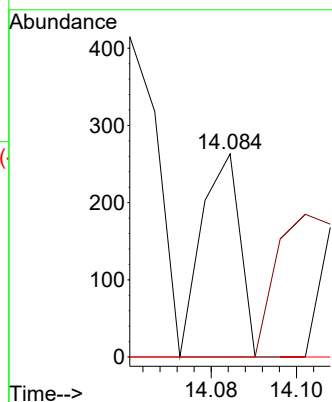
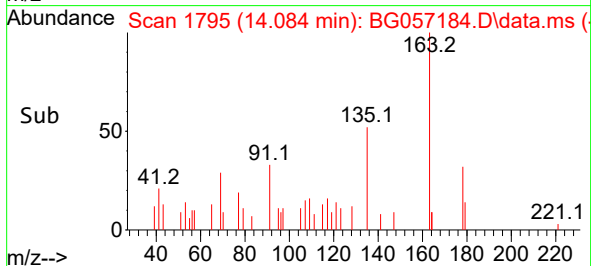
Instrument :

BNA\_G

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 164    |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 0.0   | 54.9  | 82.3#  |
| 138      | 0.0   | 86.6  | 129.8# |



#64

Phenanthrene-d10

Concen: 20.000 ng

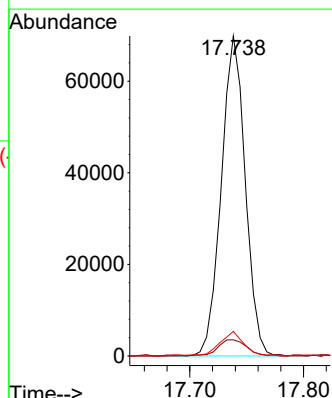
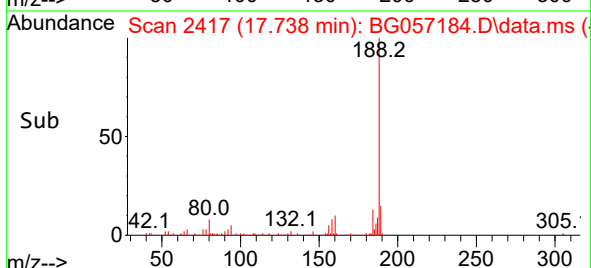
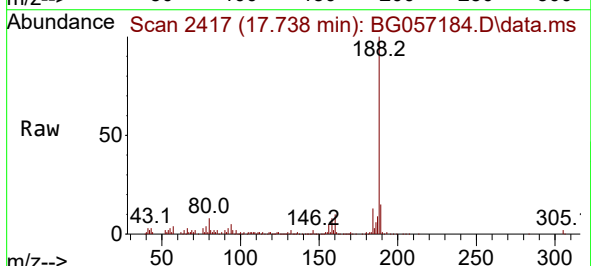
RT: 17.738 min Scan# 2417

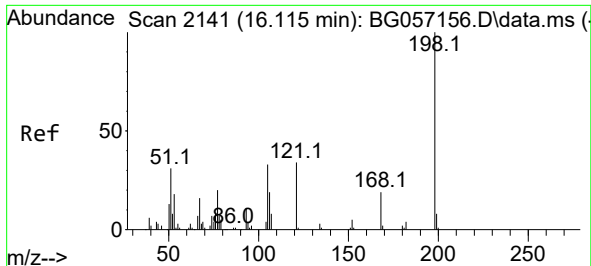
Delta R.T. -0.004 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

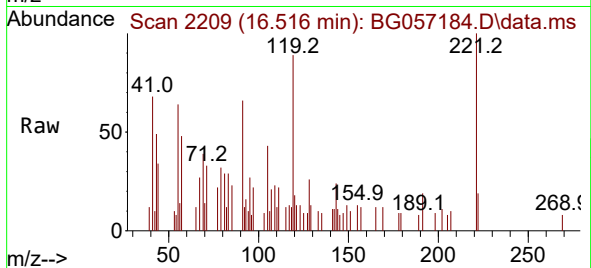
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 102144 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 5.1   | 5.4   | 8.0#   |
| 80       | 7.7   | 6.2   | 9.2    |



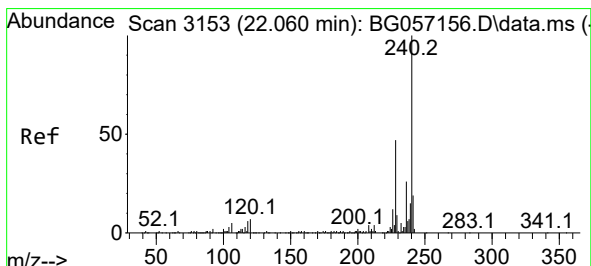
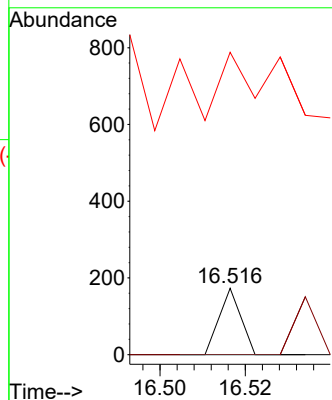
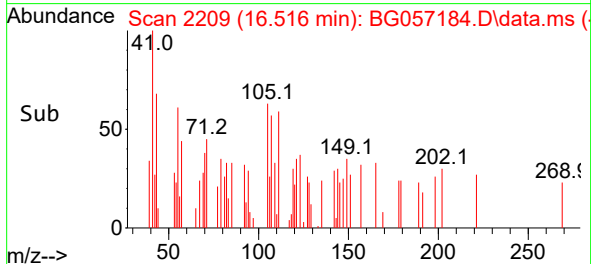


#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.981 ng  
RT: 16.516 min Scan# 2141  
Delta R.T. 0.401 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Instrument :  
BNA\_G  
ClientSampleId :

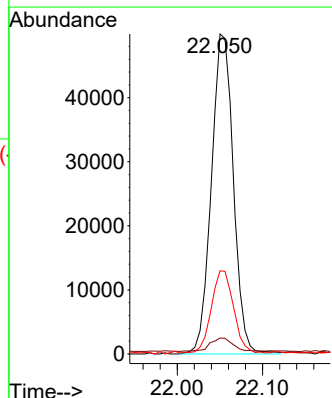
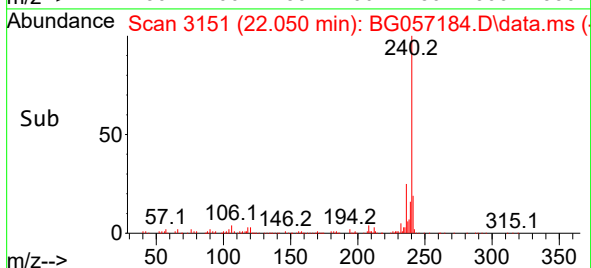
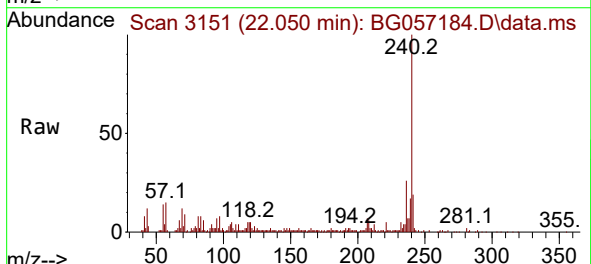


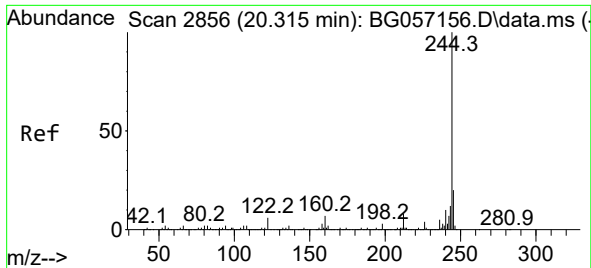
Tgt Ion:198 Resp: 61  
Ion Ratio Lower Upper  
198 100  
51 0.0 13.1 53.1#  
105 455.5 14.1 54.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.050 min Scan# 3151  
Delta R.T. -0.010 min  
Lab File: BG057184.D  
Acq: 25 Apr 2023 20:03

Tgt Ion:240 Resp: 89492  
Ion Ratio Lower Upper  
240 100  
120 5.0 5.5 8.3#  
236 26.0 20.8 31.2

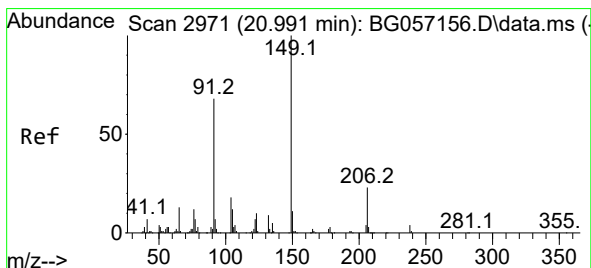
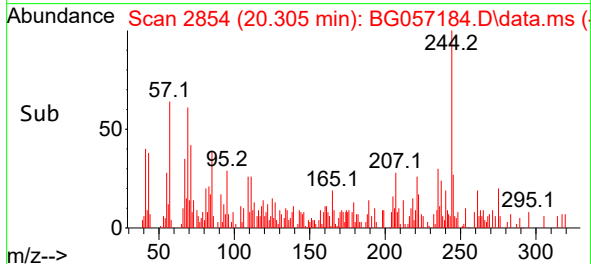
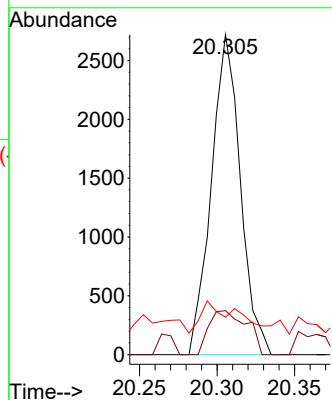
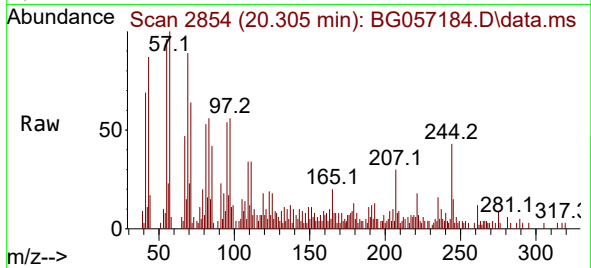




#79  
 Terphenyl-d14  
 Concen: 0.693 ng  
 RT: 20.305 min Scan# 21  
 Delta R.T. -0.010 min  
 Lab File: BG057184.D  
 Acq: 25 Apr 2023 20:03

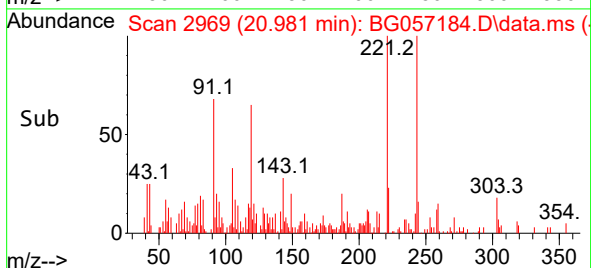
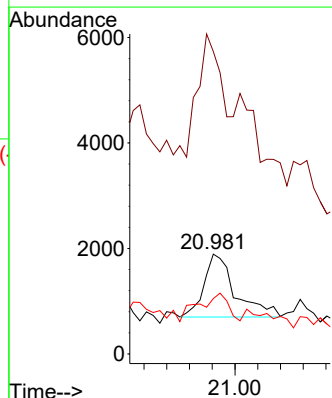
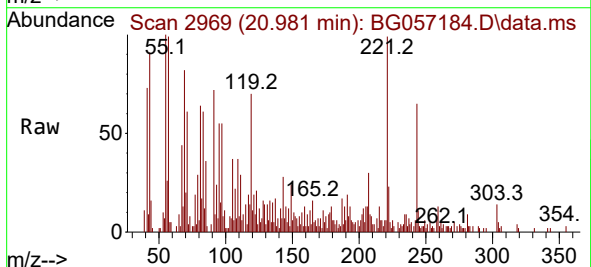
Instrument :  
 BNA\_G  
 ClientSampleId :

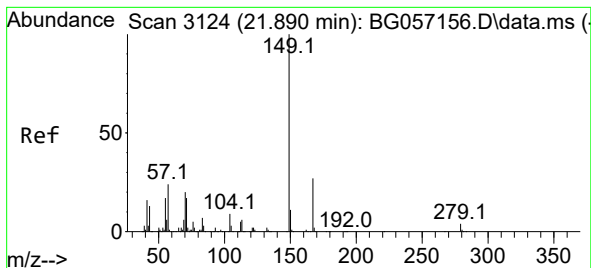
Tgt Ion:244 Resp: 3544  
 Ion Ratio Lower Upper  
 244 100  
 212 13.8 6.0 9.0#  
 122 11.7 5.0 7.4#



#80  
 Butylbenzylphthalate  
 Concen: 4.557 ng  
 RT: 20.981 min Scan# 2969  
 Delta R.T. -0.010 min  
 Lab File: BG057184.D  
 Acq: 25 Apr 2023 20:03

Tgt Ion:149 Resp: 2279  
 Ion Ratio Lower Upper  
 149 100  
 91 302.7 54.1 81.1#  
 206 55.4 18.2 27.2#





#84

Bis(2-ethylhexyl)phthalate

Concen: 56.845 ng

RT: 21.880 min Scan# 3122

Delta R.T. -0.010 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

Instrument :

BNA\_G

ClientSampleId :

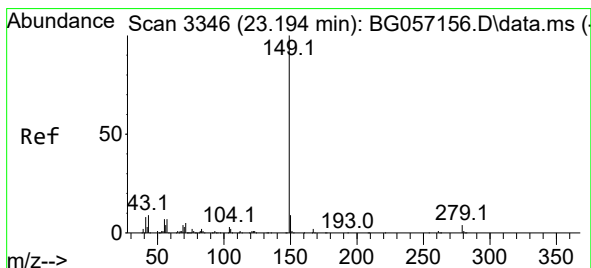
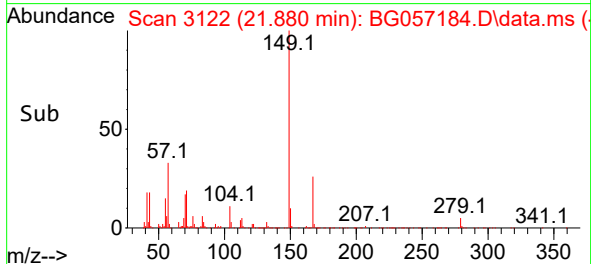
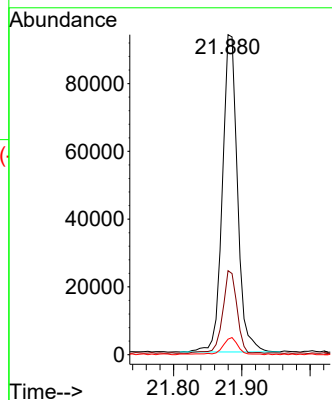
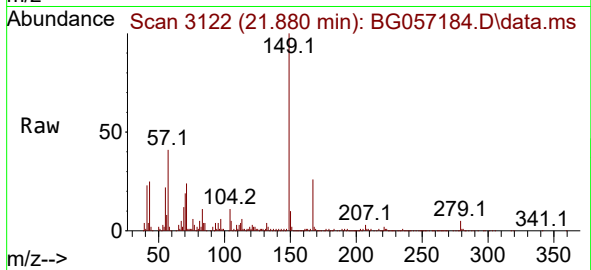
Tgt Ion:149 Resp: 144293

Ion Ratio Lower Upper

149 100

167 26.2 21.9 32.9

279 4.9 3.3 4.9



#85

Di-n-octyl phthalate

Concen: 2.041 ng

RT: 23.190 min Scan# 3345

Delta R.T. -0.004 min

Lab File: BG057184.D

Acq: 25 Apr 2023 20:03

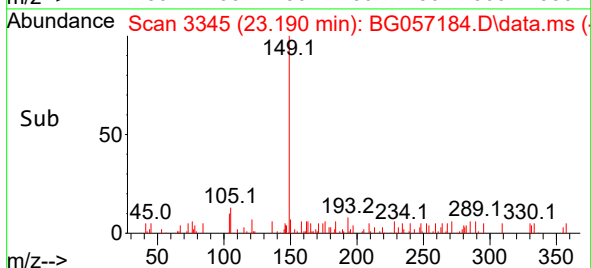
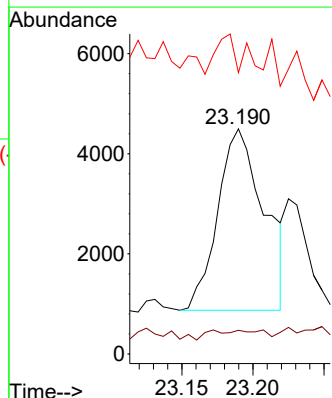
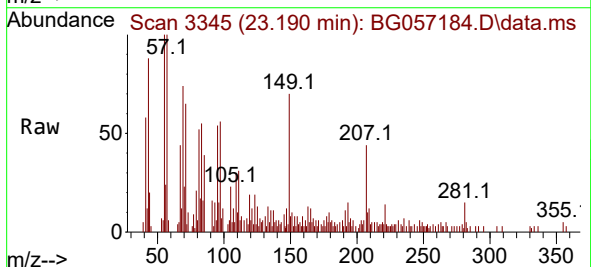
Tgt Ion:149 Resp: 8192

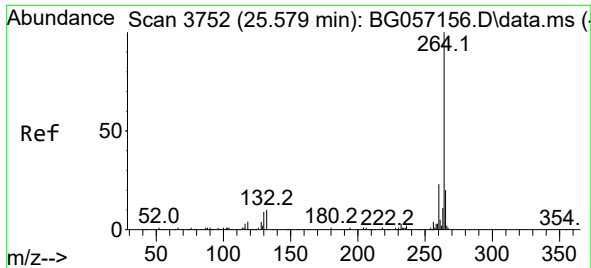
Ion Ratio Lower Upper

149 100

167 2.1 1.2 1.8#

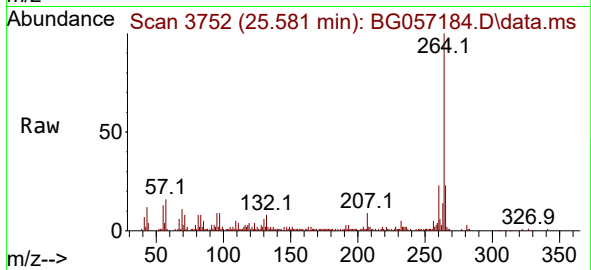
43 12.1 7.4 11.0#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.581 min Scan# 31  
 Delta R.T. 0.002 min  
 Lab File: BG057184.D  
 Acq: 25 Apr 2023 20:03

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 98210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.8  | 28.2  |
| 265 | 22.9  | 16.4  | 24.6  |

