

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062123\  
 Data File : BG057790.D  
 Acq On : 21 Jun 2023 18:44  
 Operator : CG/JU  
 Sample : 03289-16  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 22 04:51:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 03:40:38 2023  
 Response via : Initial Calibration

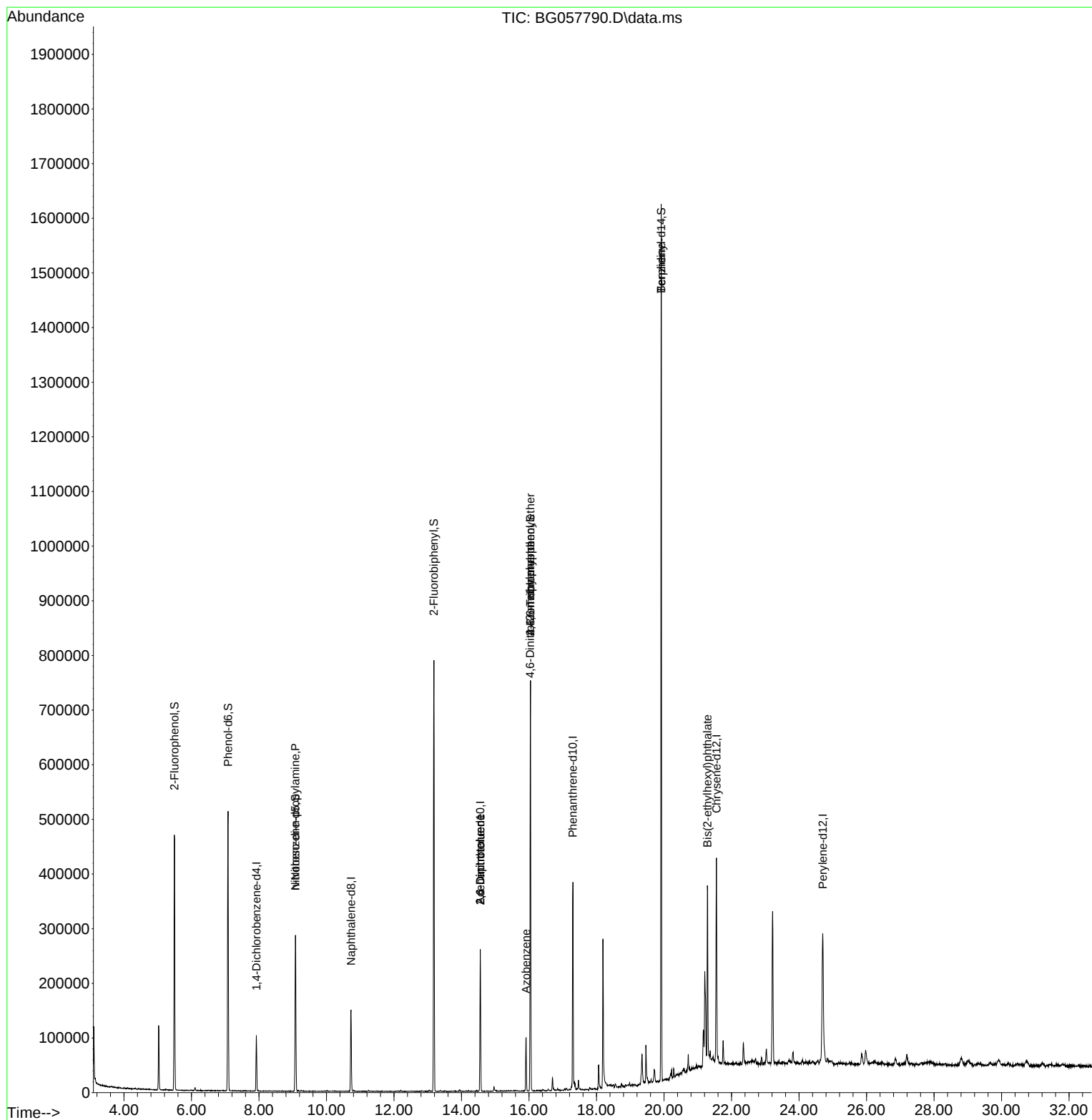
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.923  | 152  | 26408    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.726 | 136  | 122112   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.556 | 164  | 91421    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.300 | 188  | 239465   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.554 | 240  | 210324   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.703 | 264  | 256023   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.491  | 112  | 195960   | 114.417 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.083  | 99   | 294038   | 112.516 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.081  | 82   | 169073   | 71.061  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.043 | 330  | 149812   | 117.639 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.182 | 172  | 408218   | 67.726  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.915 | 244  | 816659   | 72.402  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.081  | 70   | 20828    | 11.432  | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.556 | 165  | 12236    | 9.463   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 14.556 | 165  | 12236    | 6.978   | ng    | # 18     |
| 63) Azobenzene                | 15.914 | 77   | 28654    | 3.889   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 16.037 | 198  | 270      | 5.530   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.043 | 248  | 9558     | 3.764   | ng    | # 1      |
| 77) Benzidine                 | 19.915 | 184  | 10927    | 2.216   | ng    | # 91     |
| 84) Bis(2-ethylhexyl)phtha... | 21.290 | 149  | 135939   | 16.405  | ng    | # 53     |
| -----                         |        |      |          |         |       |          |

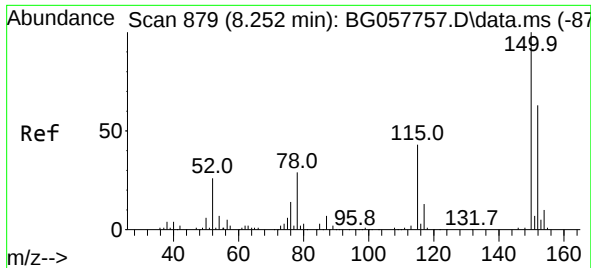
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062123\  
Data File : BG057790.D  
Acq On : 21 Jun 2023 18:44  
Operator : CG/JU  
Sample : 03289-16  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

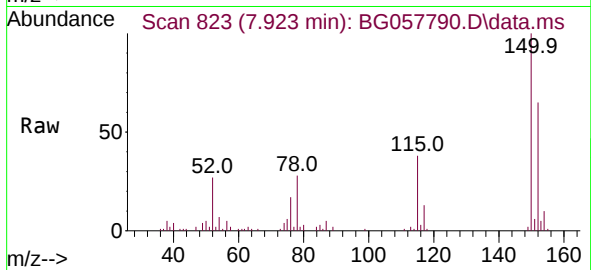
Quant Time: Jun 22 04:51:50 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 20 03:40:38 2023  
Response via : Initial Calibration



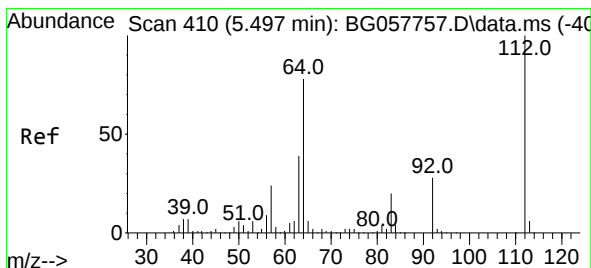
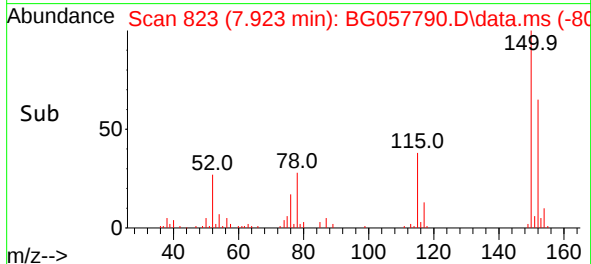
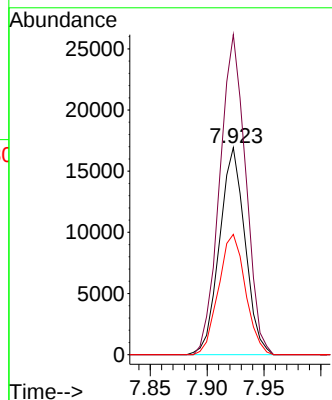


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.923 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

Instrument :  
BNA\_G  
ClientSampleId :

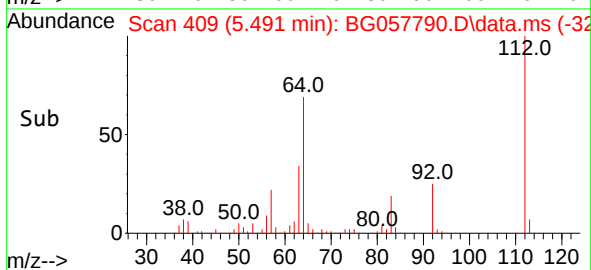
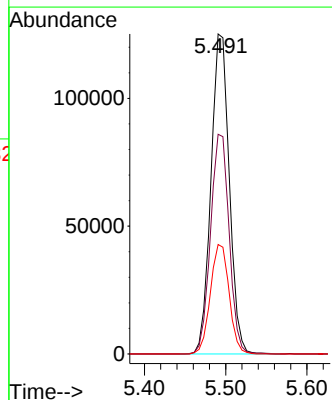
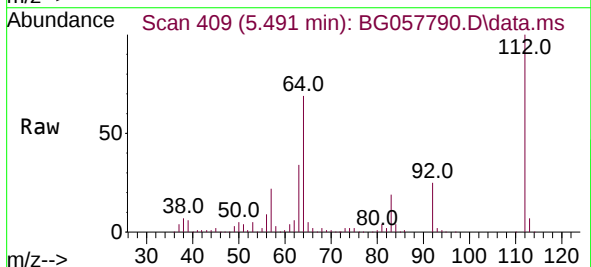


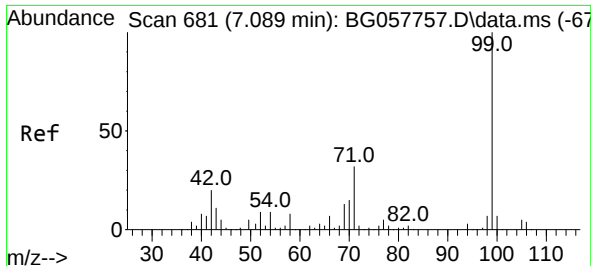
Tgt Ion:152 Resp: 26408  
Ion Ratio Lower Upper  
152 100  
150 154.5 126.6 189.8  
115 58.1 48.9 73.3



#5  
2-Fluorophenol  
Concen: 114.417 ng  
RT: 5.491 min Scan# 409  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

Tgt Ion:112 Resp: 195960  
Ion Ratio Lower Upper  
112 100  
64 68.6 62.1 93.1  
63 34.2 31.5 47.3

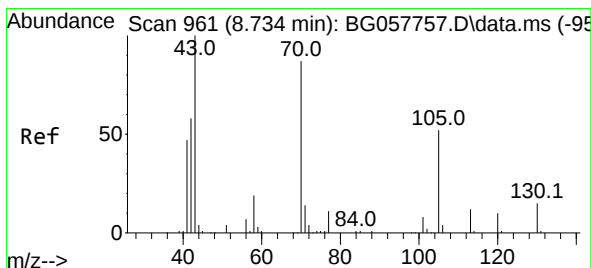
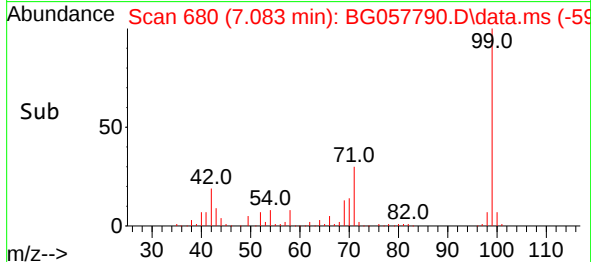
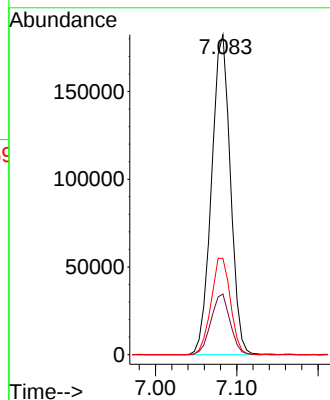
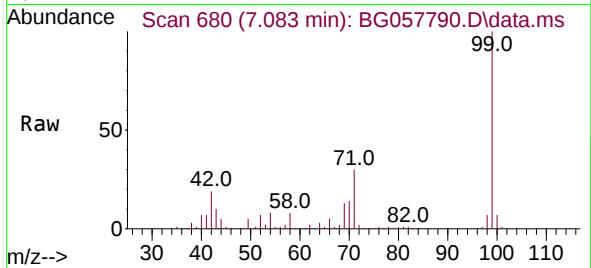




#7  
Phenol-d6  
Concen: 112.516 ng  
RT: 7.083 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

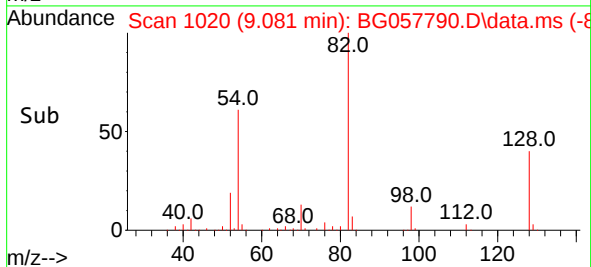
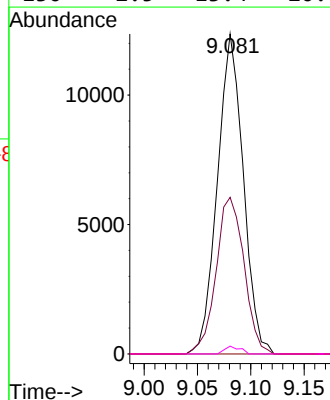
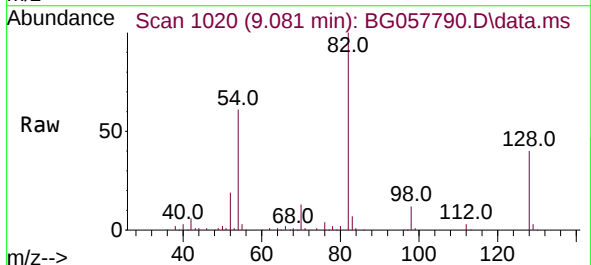
Instrument :  
BNA\_G  
ClientSampleId :

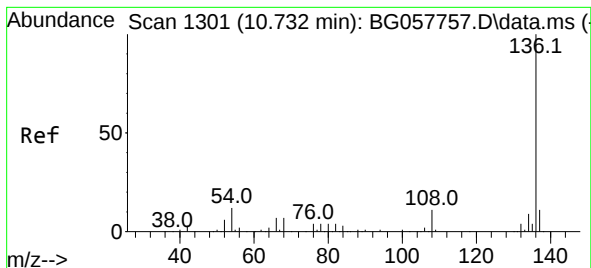
Tgt Ion: 99 Resp: 294038  
Ion Ratio Lower Upper  
99 100  
42 18.9 16.4 24.6  
71 30.1 25.8 38.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.432 ng  
RT: 9.081 min Scan# 1020  
Delta R.T. 0.346 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

Tgt Ion: 70 Resp: 20828  
Ion Ratio Lower Upper  
70 100  
42 48.9 54.2 81.2#  
101 0.0 7.4 11.0#  
130 2.5 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Instrument :

BNA\_G

ClientSampleId :

Tgt Ion:136 Resp: 122112

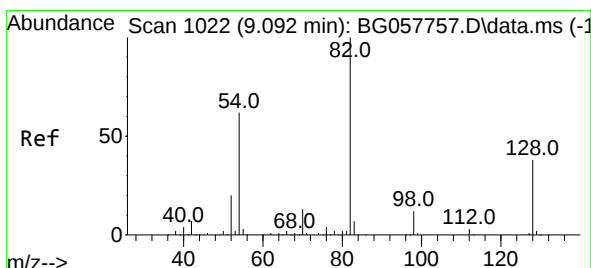
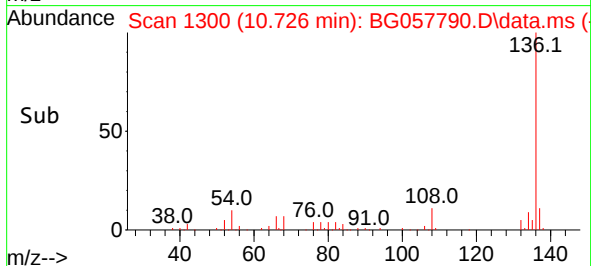
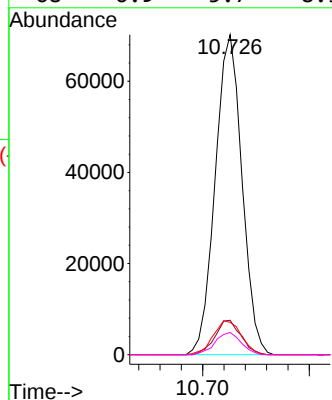
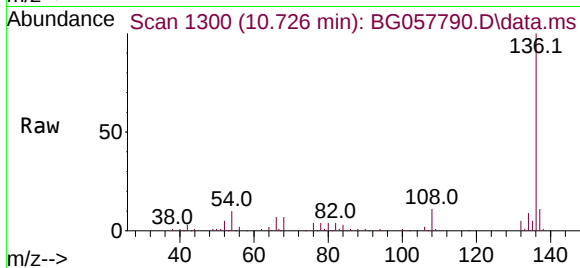
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.1 9.5 14.3

68 6.9 5.7 8.5



#23

Nitrobenzene-d5

Concen: 71.061 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

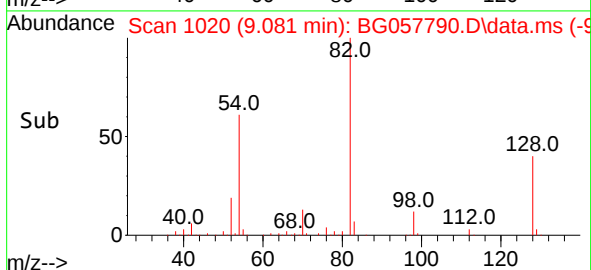
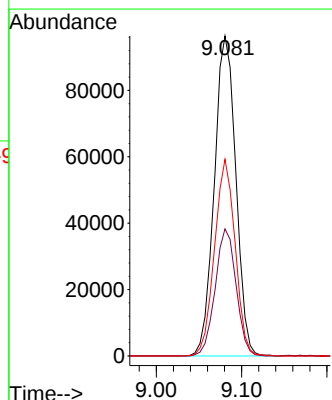
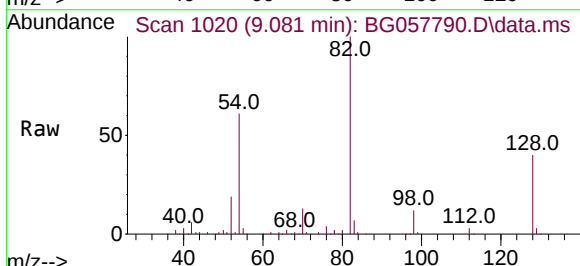
Tgt Ion: 82 Resp: 169073

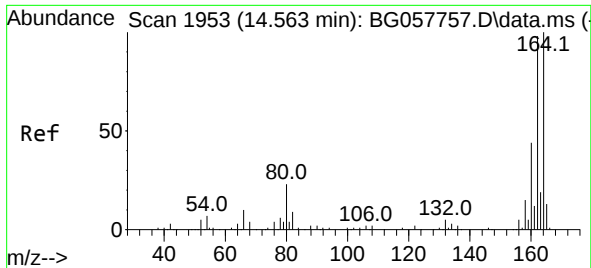
Ion Ratio Lower Upper

82 100

128 39.7 30.7 46.1

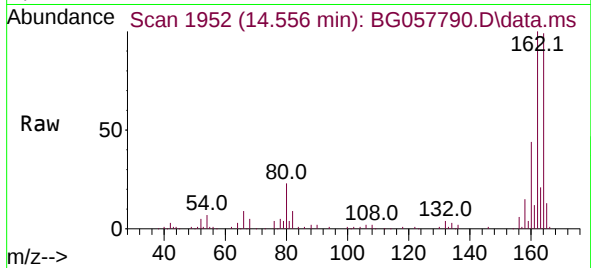
54 61.4 49.6 74.4



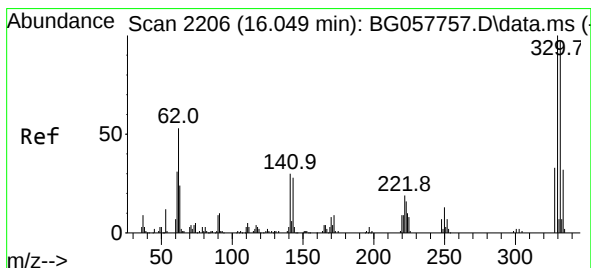
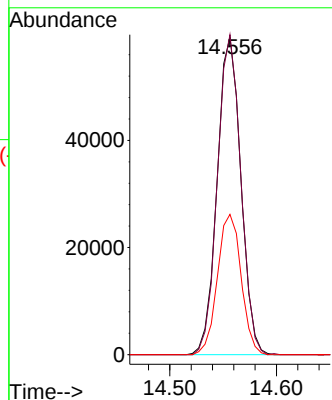
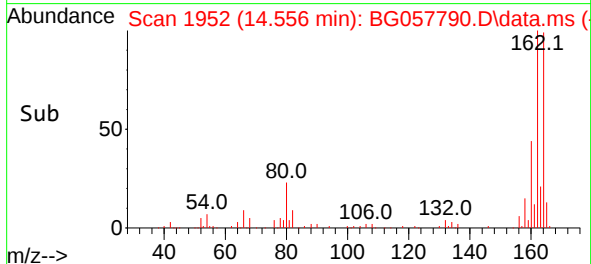


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.556 min Scan# 1952  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

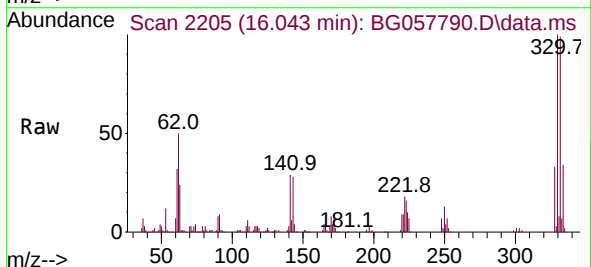
Instrument :  
BNA\_G  
ClientSampleId :



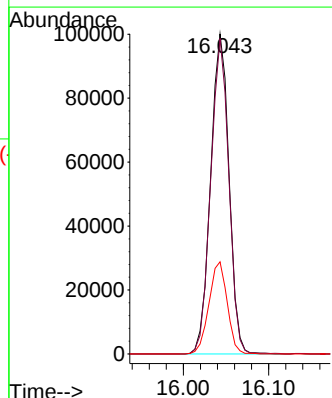
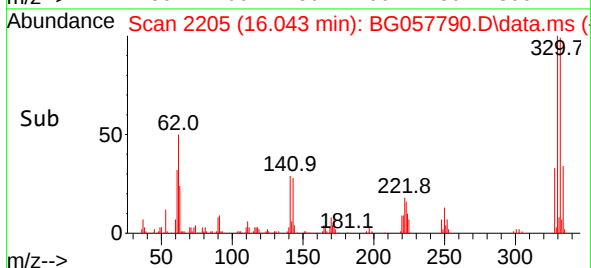
Tgt Ion:164 Resp: 91421  
Ion Ratio Lower Upper  
164 100  
162 100.8 78.3 117.5  
160 44.2 35.4 53.0

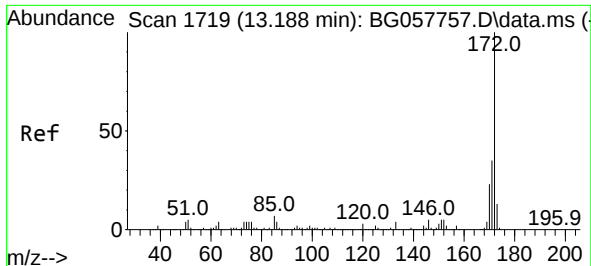


#42  
2,4,6-Tribromophenol  
Concen: 117.639 ng  
RT: 16.043 min Scan# 2205  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44



Tgt Ion:330 Resp: 149812  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.6 115.0  
141 28.6 24.7 37.1

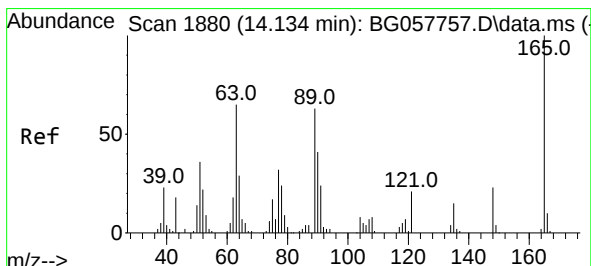
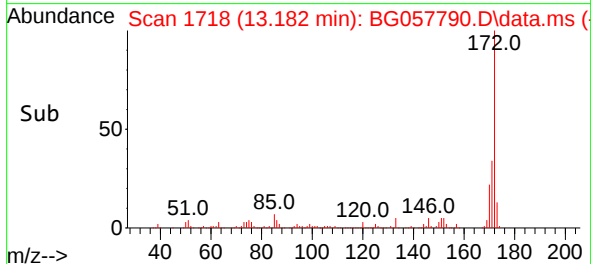
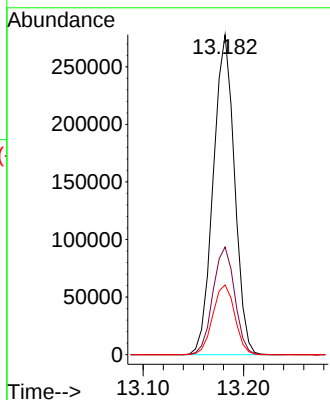
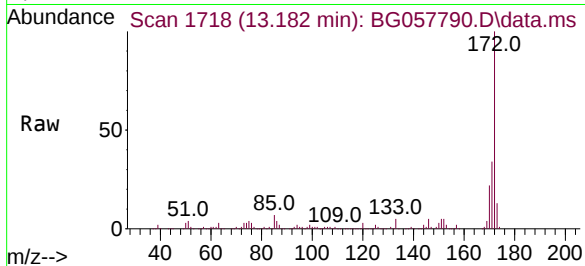




#45  
2-Fluorobiphenyl  
Concen: 67.726 ng  
RT: 13.182 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

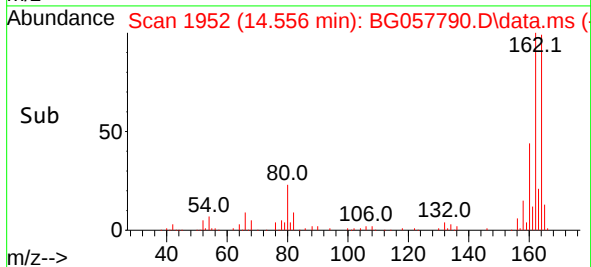
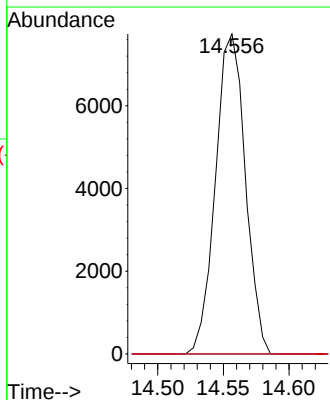
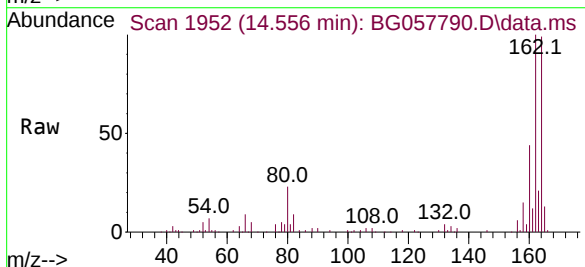
Instrument :  
BNA\_G  
ClientSampleId :

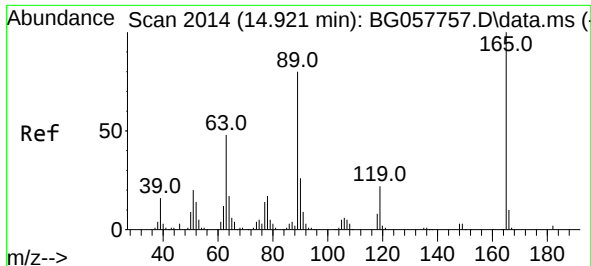
Tgt Ion:172 Resp: 408218  
Ion Ratio Lower Upper  
172 100  
171 33.7 28.1 42.1  
170 21.8 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 9.463 ng  
RT: 14.556 min Scan# 1952  
Delta R.T. 0.422 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

Tgt Ion:165 Resp: 12236  
Ion Ratio Lower Upper  
165 100  
63 0.0 52.8 79.2#  
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.978 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

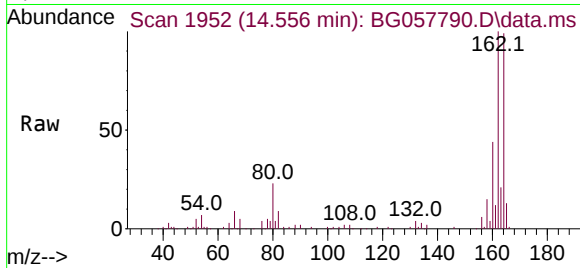
Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:165 Resp: 12236

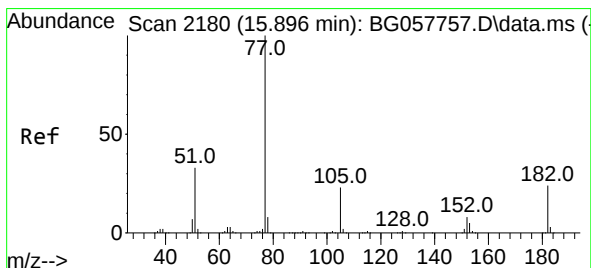
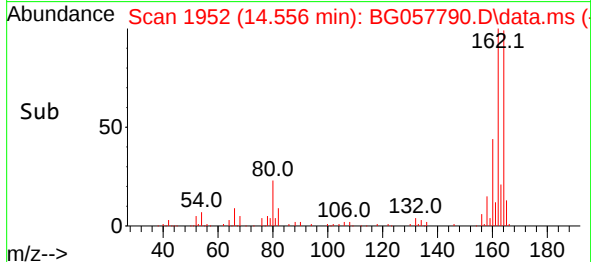
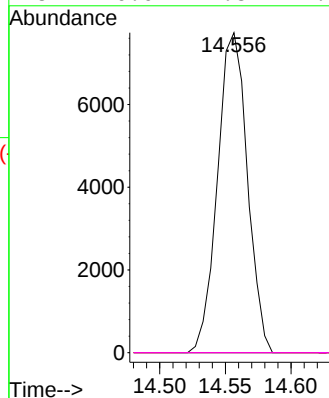
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.889 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.017 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Tgt Ion: 77 Resp: 28654

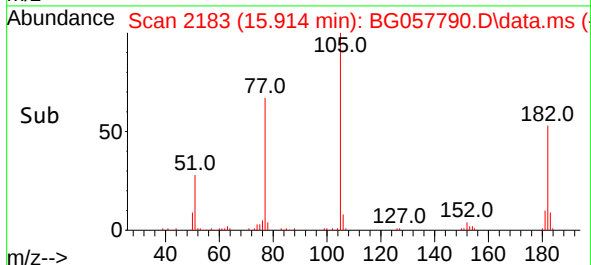
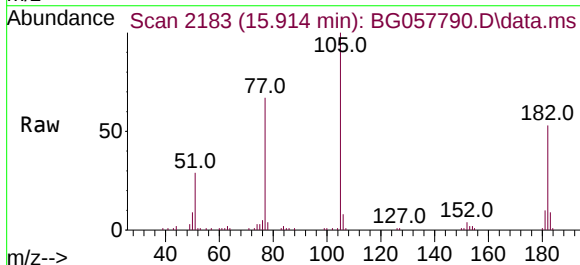
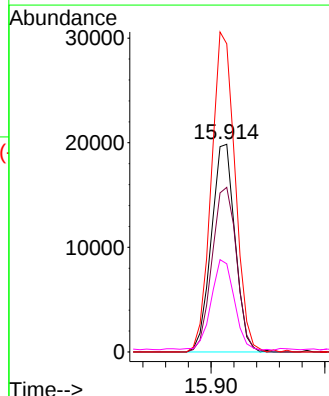
Ion Ratio Lower Upper

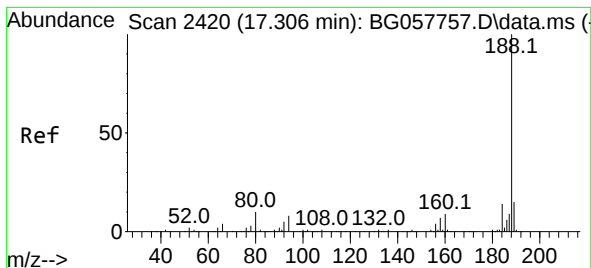
77 100

182 79.3 4.1 44.1#

105 148.4 3.3 43.3#

51 42.5 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.300 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Instrument :

BNA\_G

ClientSampleId :

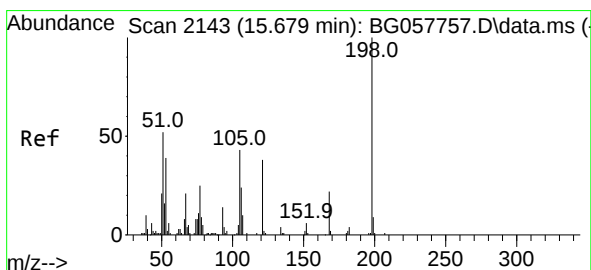
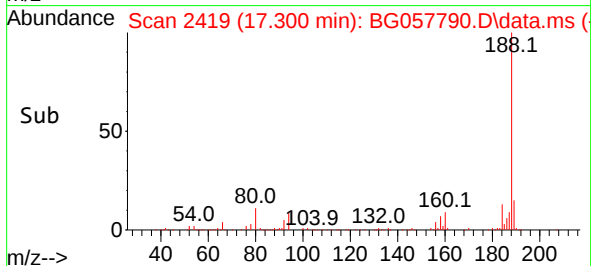
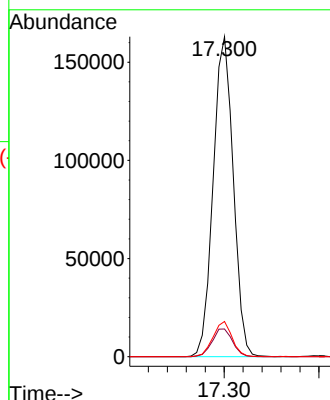
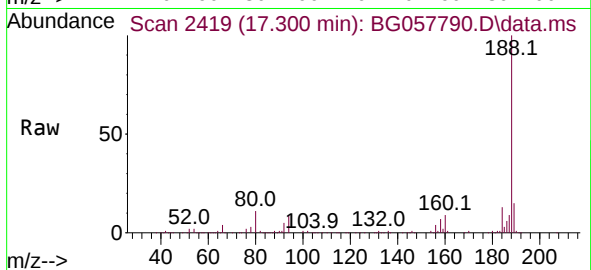
Tgt Ion:188 Resp: 239465

Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

80 11.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.530 ng

RT: 16.037 min Scan# 2204

Delta R.T. 0.358 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

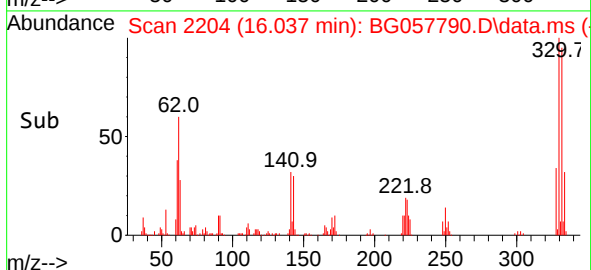
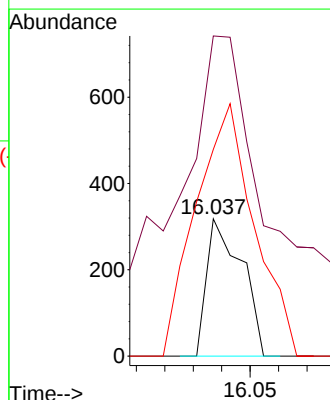
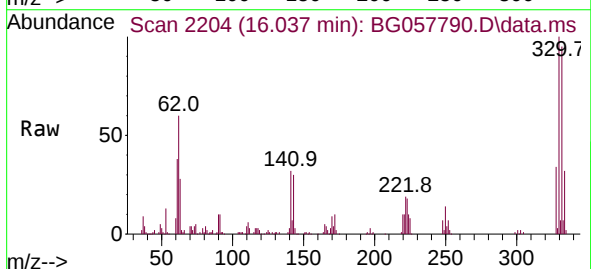
Tgt Ion:198 Resp: 270

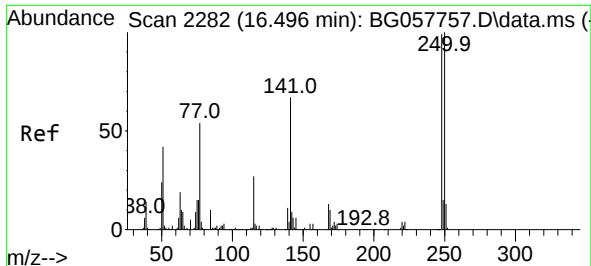
Ion Ratio Lower Upper

198 100

51 233.3 36.6 76.6#

105 150.6 24.3 64.3#





#67

4-Bromophenyl-phenylether

Concen: 3.764 ng

RT: 16.043 min Scan# 21

Delta R.T. -0.453 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Instrument :

BNA\_G

ClientSampleId :

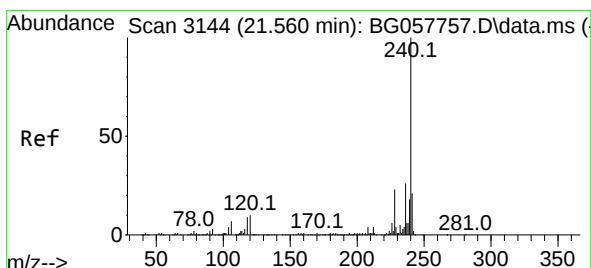
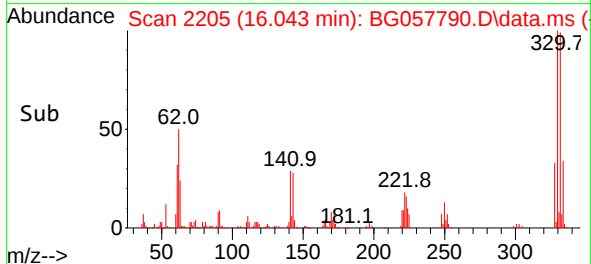
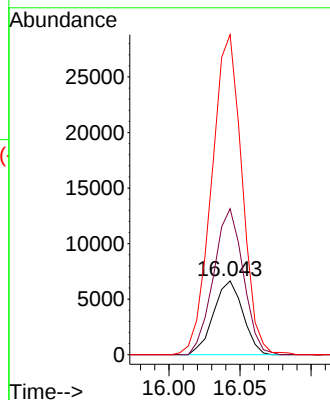
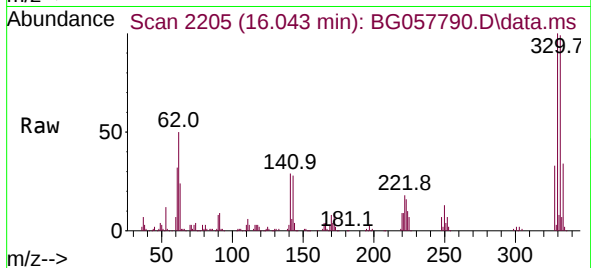
Tgt Ion:248 Resp: 9558

Ion Ratio Lower Upper

248 100

250 197.8 81.1 121.7#

141 433.8 54.6 81.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.554 min Scan# 3143

Delta R.T. -0.006 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

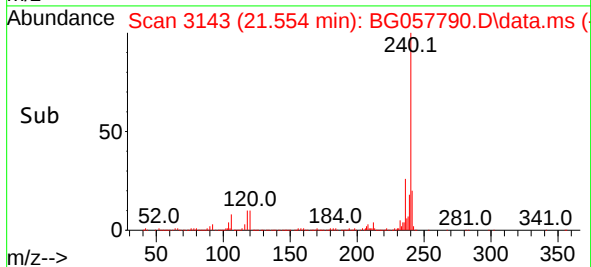
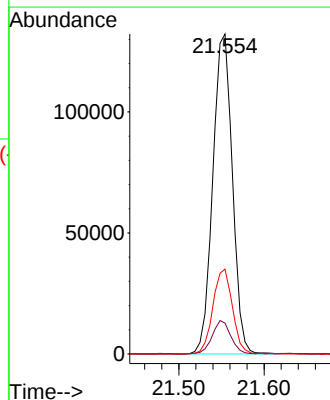
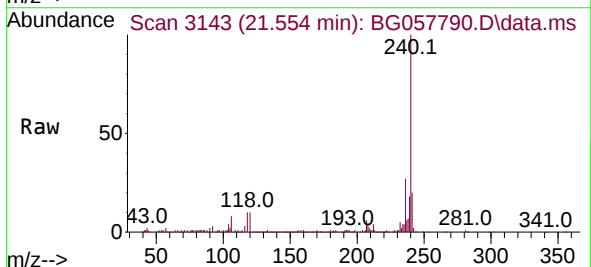
Tgt Ion:240 Resp: 210324

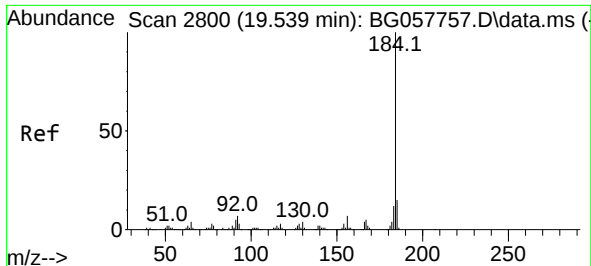
Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

236 26.5 20.6 30.8

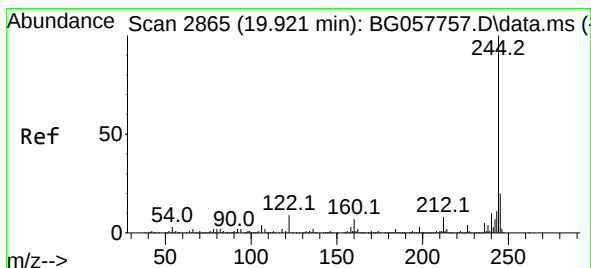
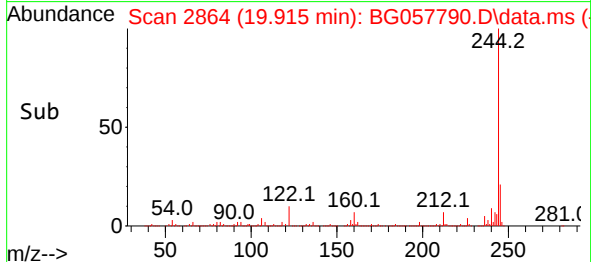
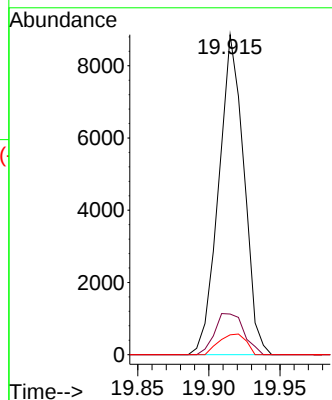
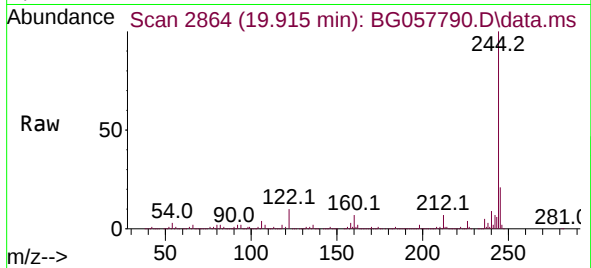




#77  
Benzidine  
Concen: 2.216 ng  
RT: 19.915 min Scan# 2864  
Delta R.T. 0.376 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

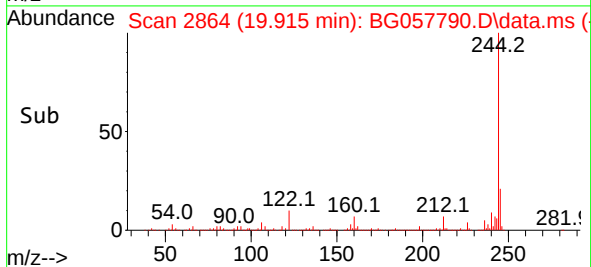
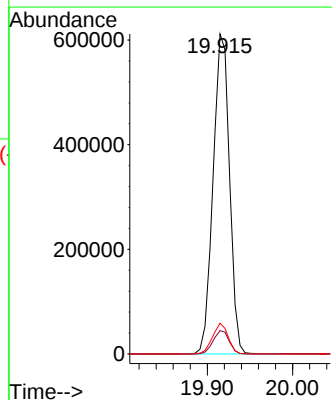
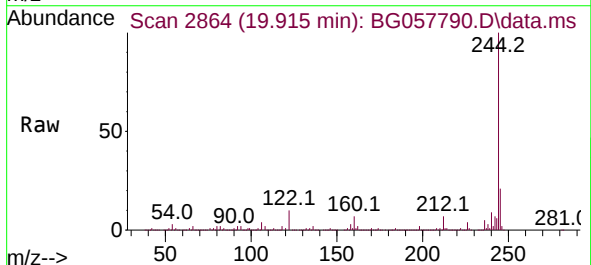
Instrument :  
BNA\_G  
ClientSampleId :

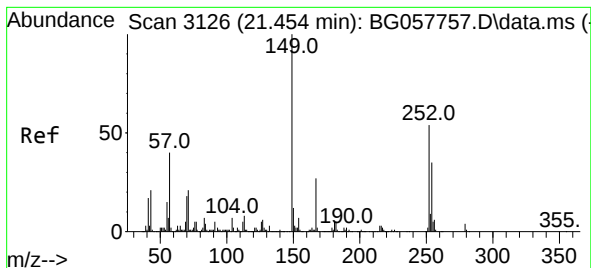
Tgt Ion:184 Resp: 10927  
Ion Ratio Lower Upper  
184 100  
185 12.7 12.0 18.0  
183 6.2 9.4 14.0#



#79  
Terphenyl-d14  
Concen: 72.402 ng  
RT: 19.915 min Scan# 2864  
Delta R.T. -0.006 min  
Lab File: BG057790.D  
Acq: 21 Jun 2023 18:44

Tgt Ion:244 Resp: 816659  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.1 9.1  
122 9.6 7.6 11.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 16.405 ng

RT: 21.290 min Scan# 3098

Delta R.T. -0.165 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Instrument :

BNA\_G

ClientSampleId :

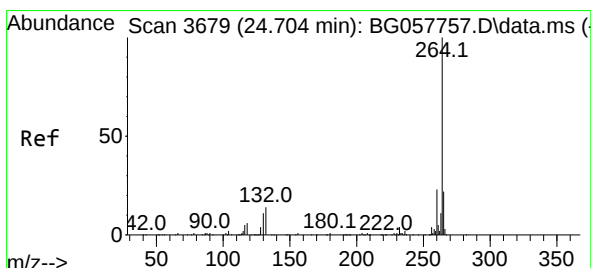
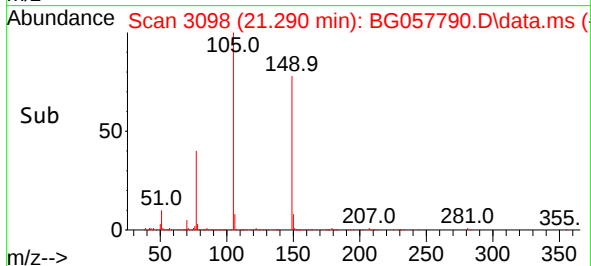
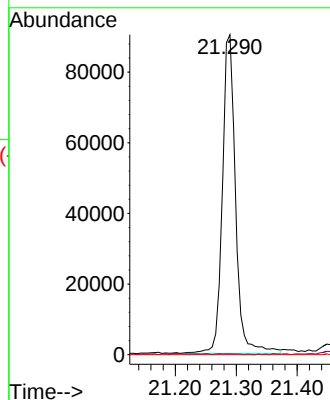
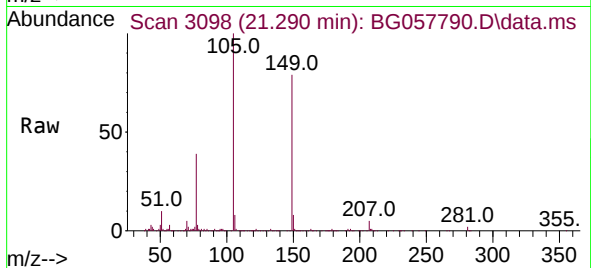
Tgt Ion:149 Resp: 135939

Ion Ratio Lower Upper

149 100

167 0.3 21.8 32.8#

279 0.0 2.9 4.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.703 min Scan# 3679

Delta R.T. -0.000 min

Lab File: BG057790.D

Acq: 21 Jun 2023 18:44

Tgt Ion:264 Resp: 256023

Ion Ratio Lower Upper

264 100

260 23.8 18.5 27.7

265 22.4 17.4 26.2

