

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051822\  
 Data File : BG053607.D  
 Acq On : 18 May 2022 17:28  
 Operator : CG/JU  
 Sample : N2858-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-38

Quant Time: May 19 05:12:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 11 06:00:46 2022  
 Response via : Initial Calibration

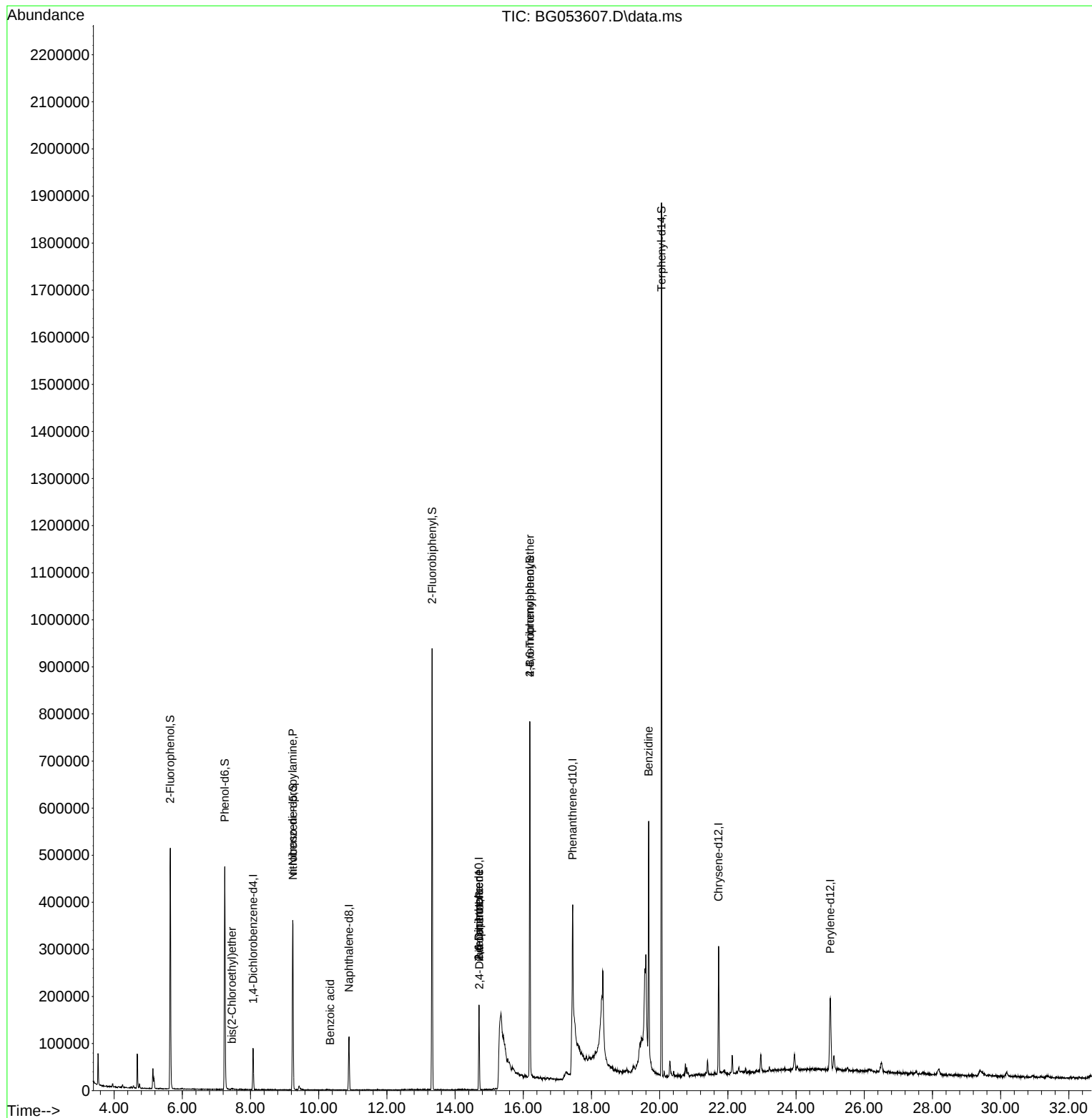
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.076  | 152  | 23405    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.890 | 136  | 91462    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.702 | 164  | 67044    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.451 | 188  | 143523   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.728 | 240  | 172203   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.006 | 264  | 174095   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.650  | 112  | 204838   | 148.531 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.247  | 99   | 270965   | 129.464 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.245  | 82   | 230240   | 107.159 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.194 | 330  | 148152   | 149.827 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.327 | 172  | 483801   | 105.448 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.054 | 244  | 948760   | 102.614 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 11) bis(2-Chloroethyl)ether   | 7.459  | 93   | 3180     | 2.083   | ng    | # 17     |
| 19) n-Nitroso-di-n-propyla... | 9.239  | 70   | 33588    | 22.367  | ng    | # 82     |
| 32) Benzoic acid              | 10.337 | 122  | 69       | 8.557   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 14.702 | 165  | 8144     | 7.846   | ng    | # 16     |
| 54) 2,4-Dinitrophenol         | 14.714 | 184  | 55       | 6.321   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 14.702 | 165  | 8144     | 5.413   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.194 | 248  | 9627     | 5.743   | ng    | # 1      |
| 77) Benzidine                 | 19.678 | 184  | 325289   | 87.641  | ng    | 98       |
| -----                         |        |      |          |         |       |          |

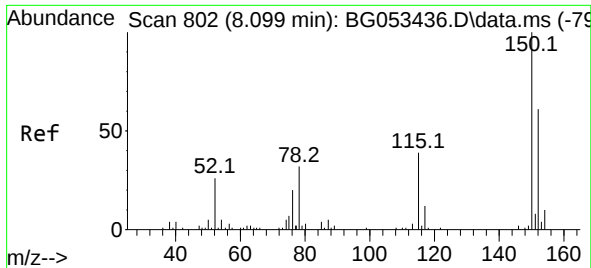
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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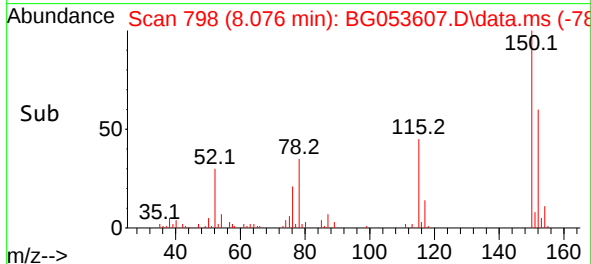
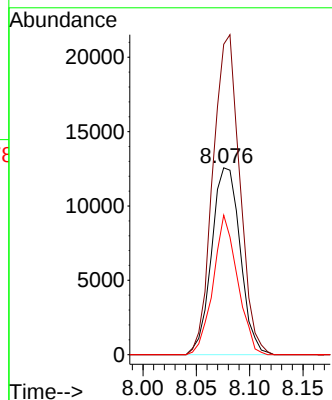
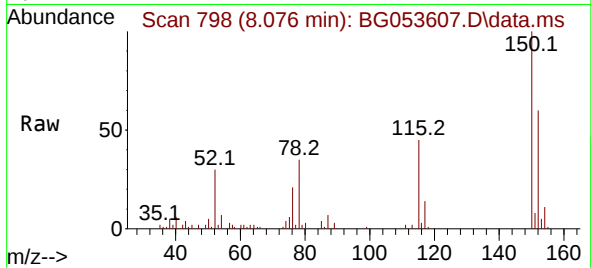




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.076 min Scan# 79  
Delta R.T. -0.013 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

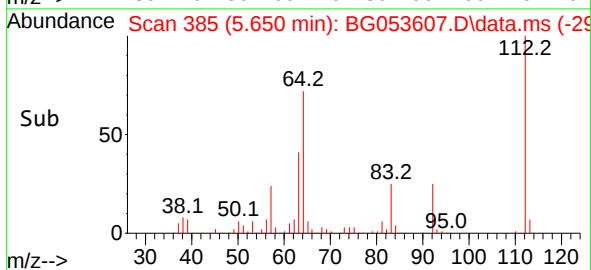
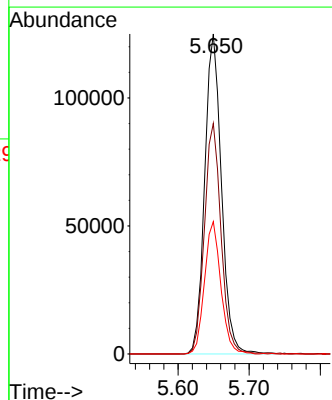
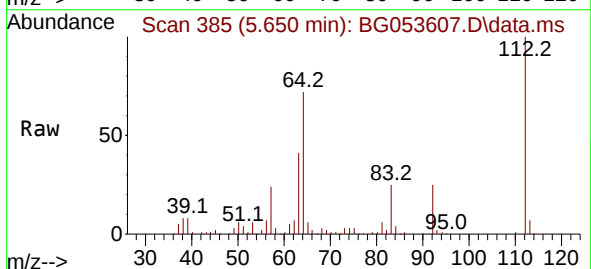
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

Tgt Ion:152 Resp: 23405  
Ion Ratio Lower Upper  
152 100  
150 166.0 131.6 197.4  
115 74.7 50.9 76.3



#5  
2-Fluorophenol  
Concen: 148.531 ng  
RT: 5.650 min Scan# 385  
Delta R.T. -0.002 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion:112 Resp: 204838  
Ion Ratio Lower Upper  
112 100  
64 72.1 55.1 82.7  
63 41.4 30.4 45.6

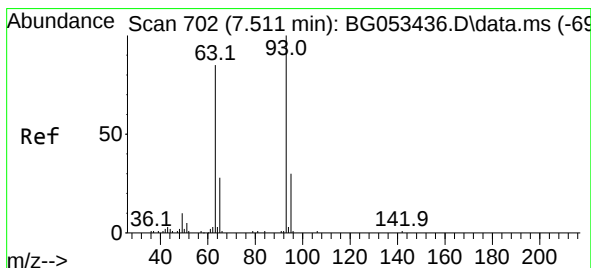
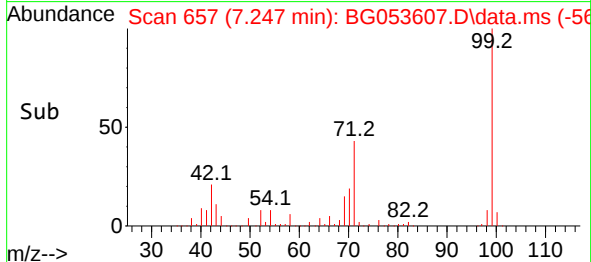
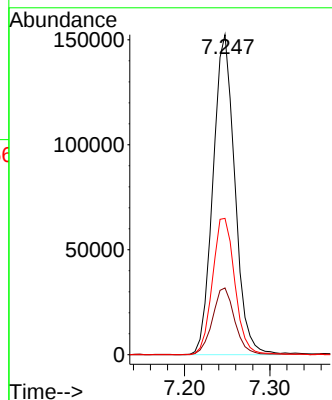
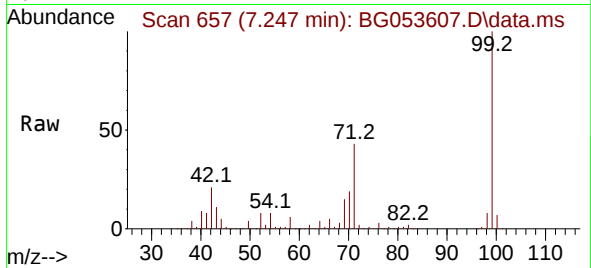




#7  
Phenol-d6  
Concen: 129.464 ng  
RT: 7.247 min Scan# 611  
Delta R.T. -0.002 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

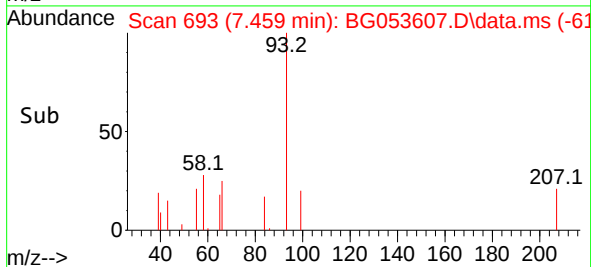
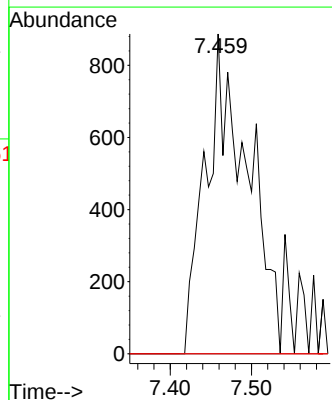
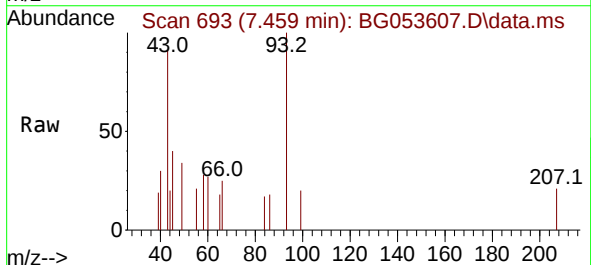
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

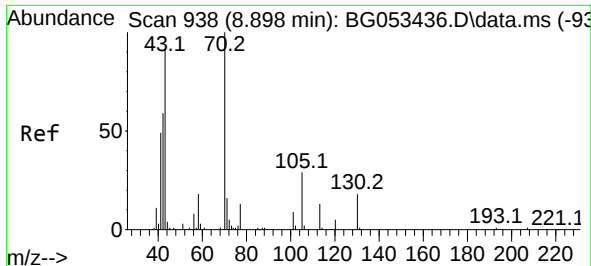
Tgt Ion: 99 Resp: 270965  
Ion Ratio Lower Upper  
99 100  
42 20.8 17.0 25.6  
71 42.6 33.8 50.8



#11  
bis(2-Chloroethyl)ether  
Concen: 2.083 ng  
RT: 7.459 min Scan# 693  
Delta R.T. -0.043 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion: 93 Resp: 3180  
Ion Ratio Lower Upper  
93 100  
63 0.0 63.6 103.6#  
95 0.0 10.1 50.1#

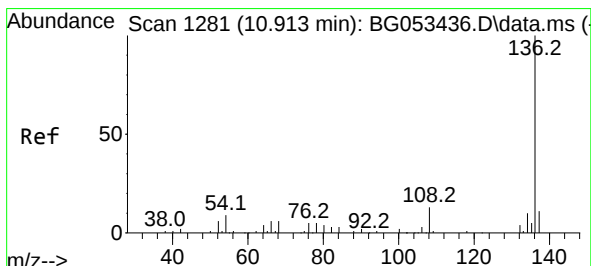
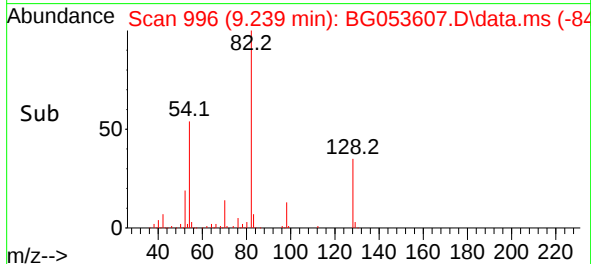
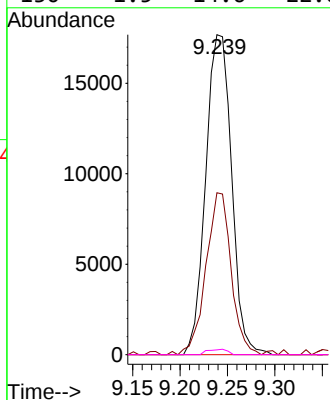
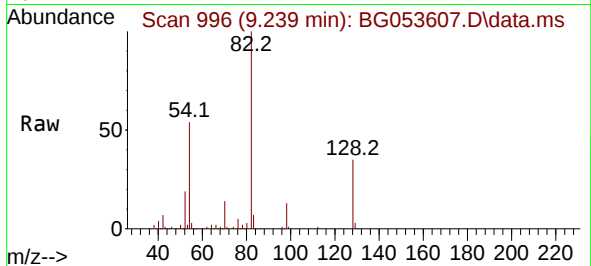




#19  
n-Nitroso-di-n-propylamine  
Concen: 22.367 ng  
RT: 9.239 min Scan# 91  
Delta R.T. 0.350 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

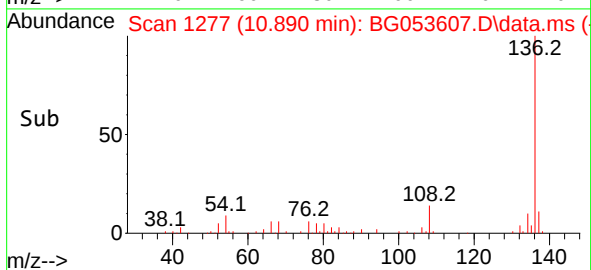
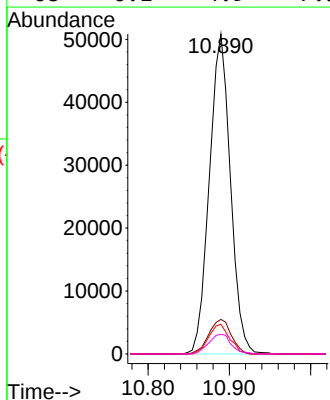
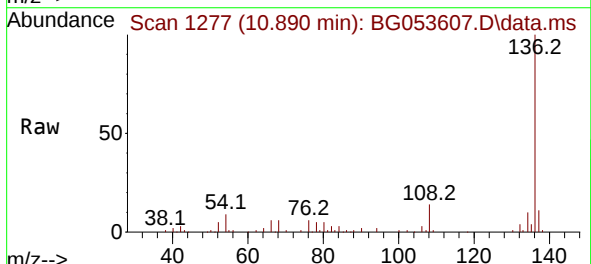
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

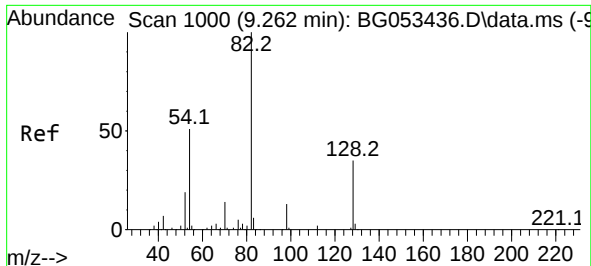
Tgt Ion: 70 Resp: 33588  
Ion Ratio Lower Upper  
70 100  
42 50.6 47.3 70.9  
101 0.0 7.0 10.4#  
130 1.5 14.6 22.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.890 min Scan# 1277  
Delta R.T. -0.008 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion: 136 Resp: 91462  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.5 12.7  
54 9.3 7.4 11.2  
68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 107.159 ng

RT: 9.245 min Scan# 91

Delta R.T. -0.008 min

Lab File: BG053607.D

Acq: 18 May 2022 17:28

Instrument :

BNA\_G

ClientSampleId :

TP-38

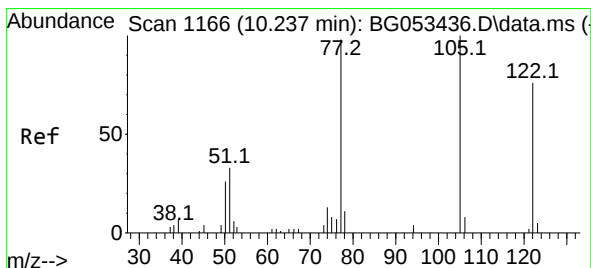
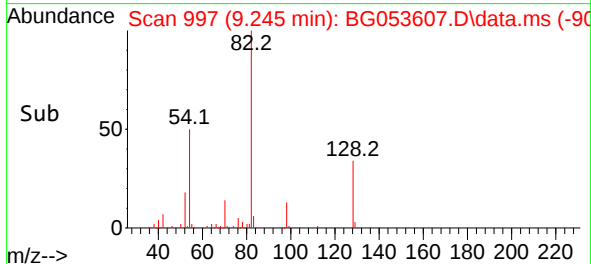
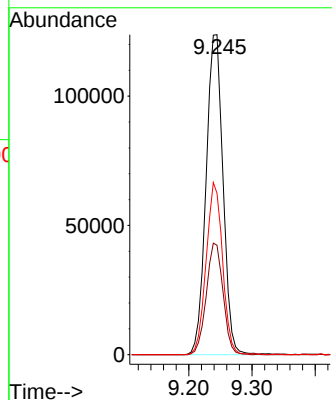
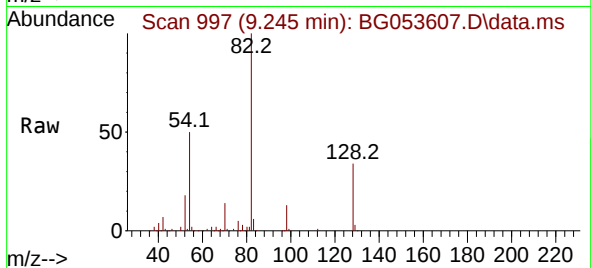
Tgt Ion: 82 Resp: 230240

Ion Ratio Lower Upper

82 100

128 34.2 27.9 41.9

54 50.4 41.2 61.8



#32

Benzoic acid

Concen: 8.557 ng

RT: 10.337 min Scan# 1183

Delta R.T. 0.098 min

Lab File: BG053607.D

Acq: 18 May 2022 17:28

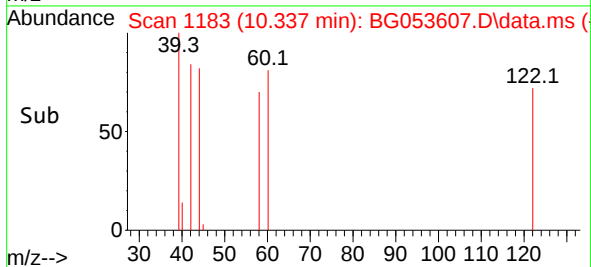
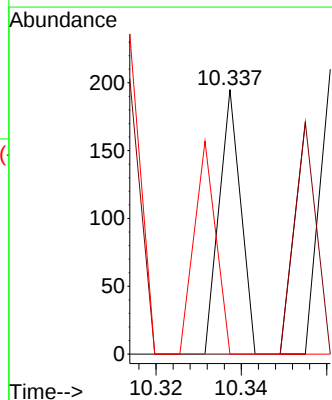
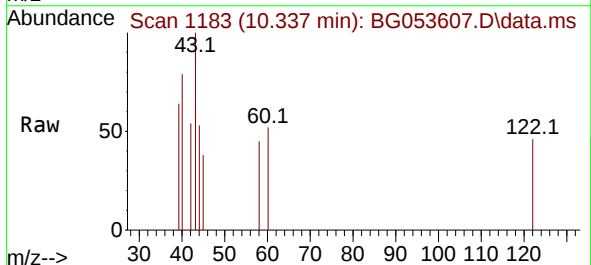
Tgt Ion:122 Resp: 69

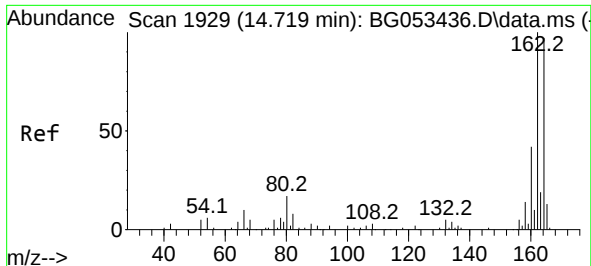
Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#

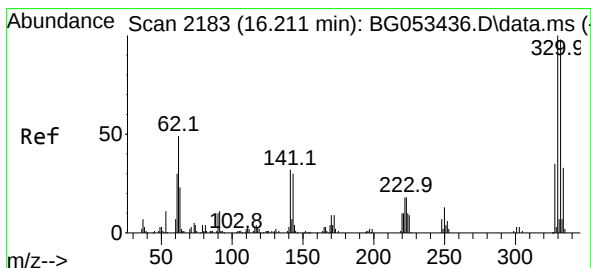
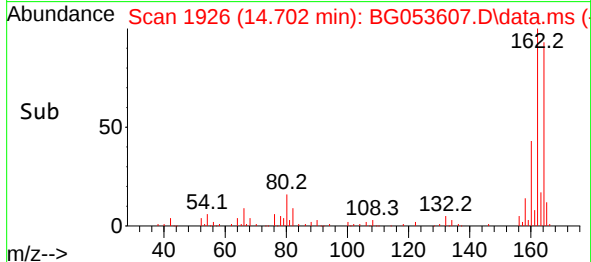
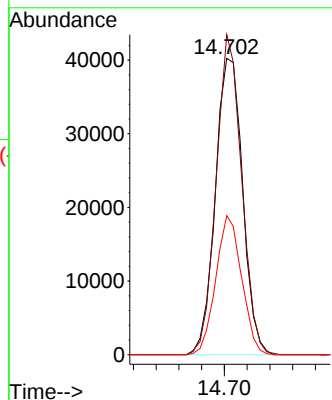
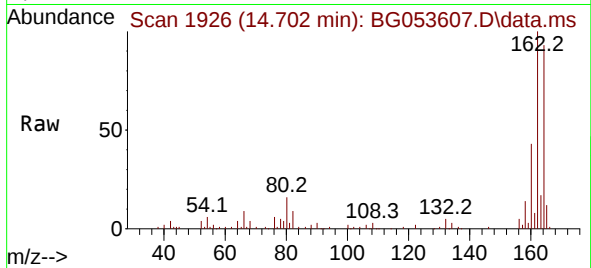




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.702 min Scan# 1926  
Delta R.T. -0.014 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

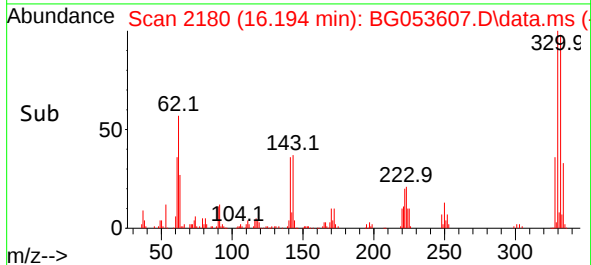
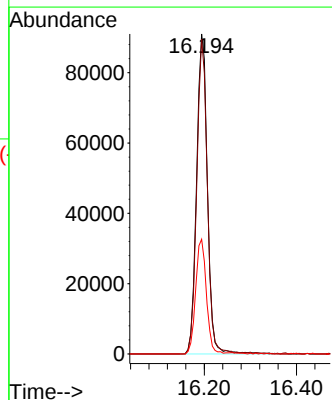
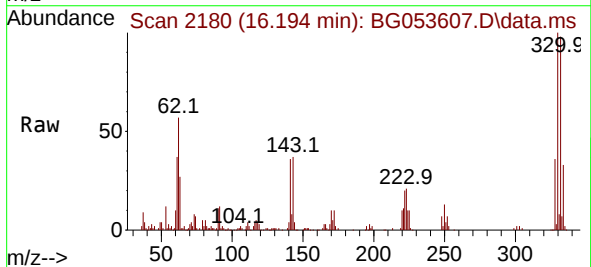
Instrument :  
BNA\_G  
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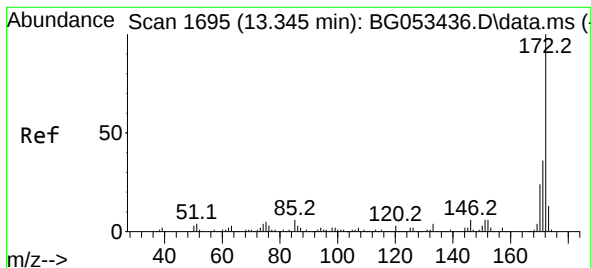
Tgt Ion:164 Resp: 67044  
Ion Ratio Lower Upper  
164 100  
162 108.0 82.3 123.5  
160 46.9 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 149.827 ng  
RT: 16.194 min Scan# 2180  
Delta R.T. -0.008 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion:330 Resp: 148152  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.0 114.0  
141 35.5 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 105.448 ng

RT: 13.327 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG053607.D

Acq: 18 May 2022 17:28

Instrument :

BNA\_G

ClientSampleId :

TP-38

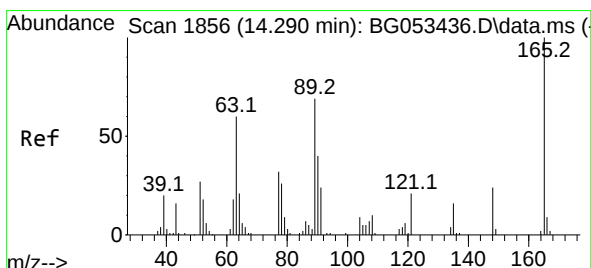
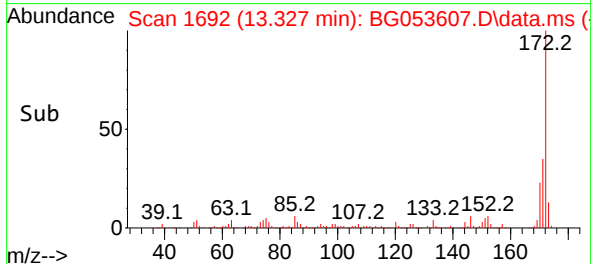
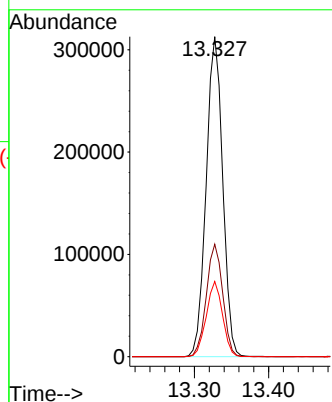
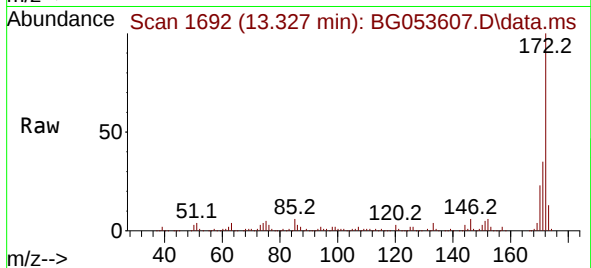
Tgt Ion:172 Resp: 483801

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 7.846 ng

RT: 14.702 min Scan# 1926

Delta R.T. 0.421 min

Lab File: BG053607.D

Acq: 18 May 2022 17:28

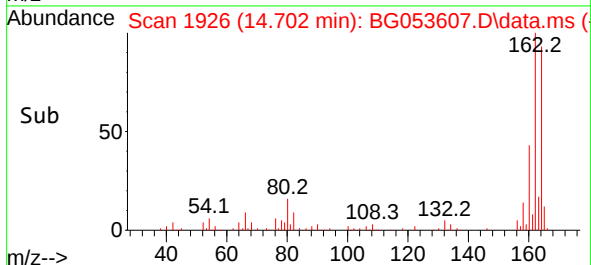
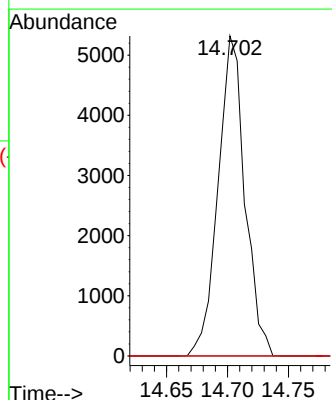
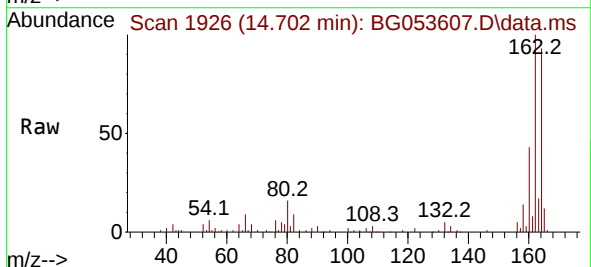
Tgt Ion:165 Resp: 8144

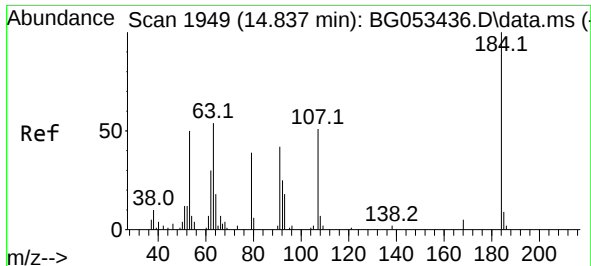
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#

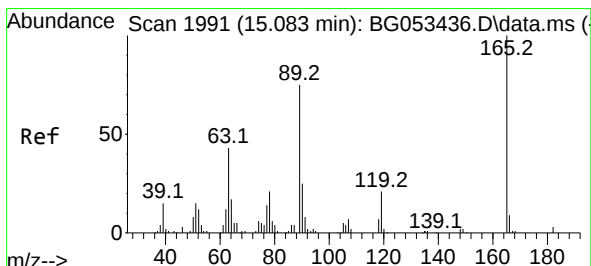
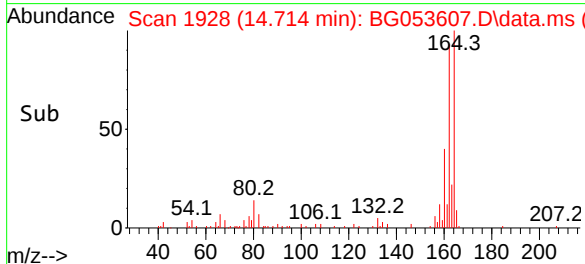
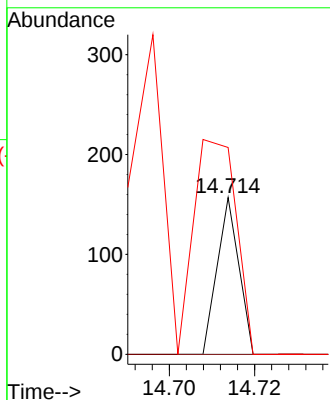
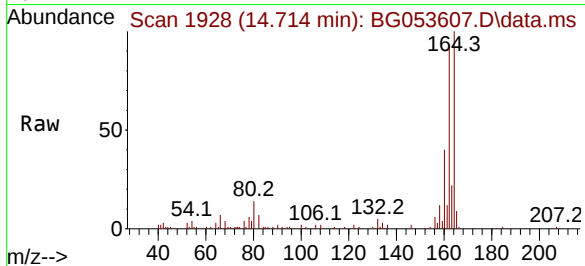




#54  
2,4-Dinitrophenol  
Concen: 6.321 ng  
RT: 14.714 min Scan# 1949  
Delta R.T. -0.119 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

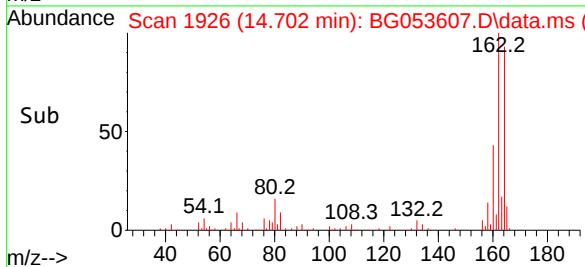
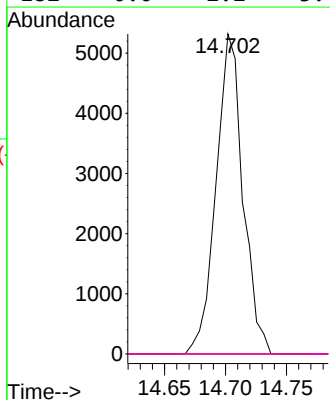
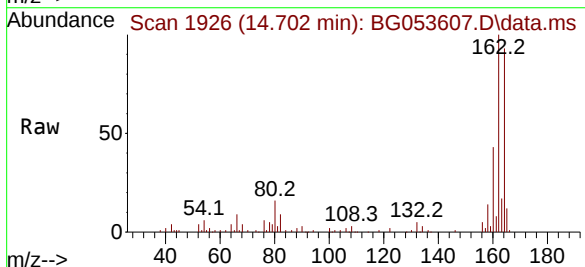
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

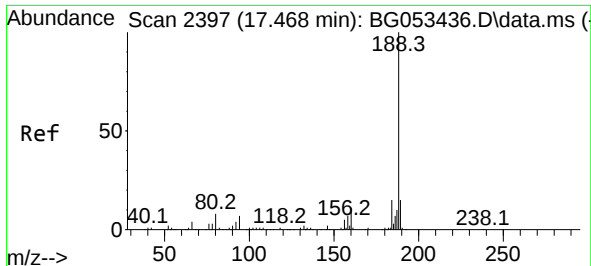
Tgt Ion:184 Resp: 55  
Ion Ratio Lower Upper  
184 100  
63 0.0 61.1 91.7#  
154 131.8 60.6 91.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.413 ng  
RT: 14.702 min Scan# 1926  
Delta R.T. -0.372 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion:165 Resp: 8144  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#

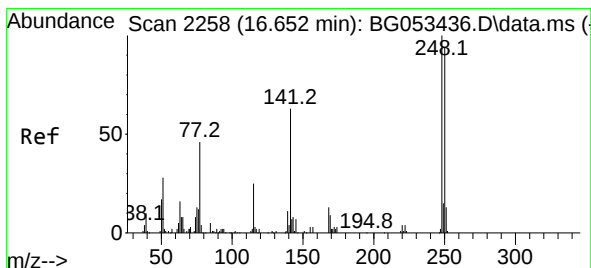
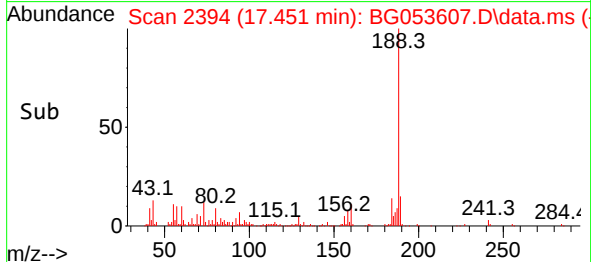
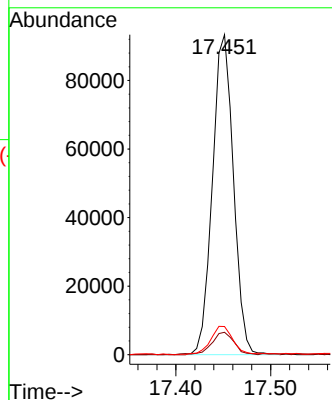
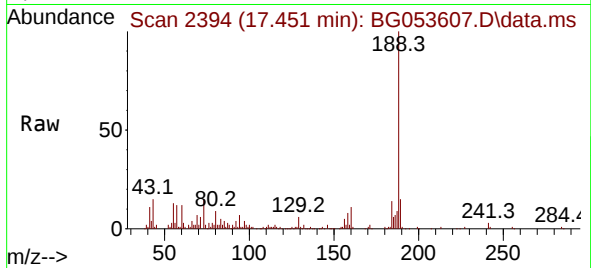




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.451 min Scan# 2180  
Delta R.T. -0.008 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

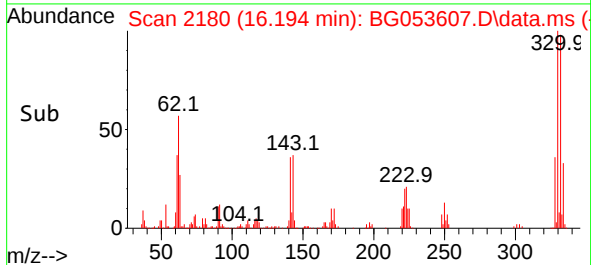
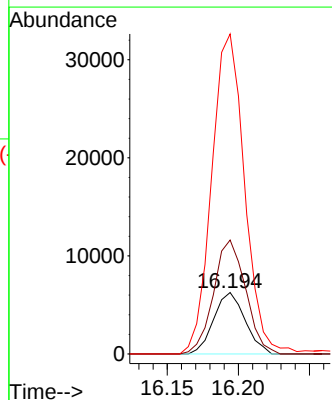
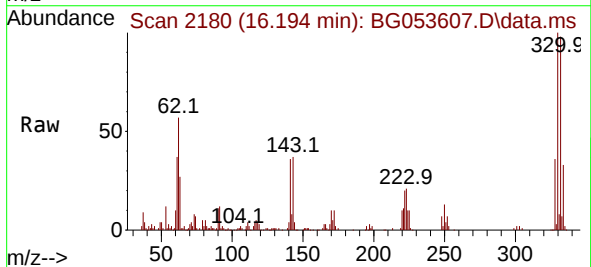
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

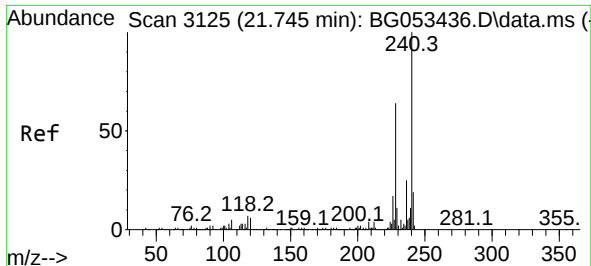
Tgt Ion:188 Resp: 143523  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.4 8.0  
80 8.8 6.8 10.2



#67  
4-Bromophenyl-phenylether  
Concen: 5.743 ng  
RT: 16.194 min Scan# 2180  
Delta R.T. -0.448 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion:248 Resp: 9627  
Ion Ratio Lower Upper  
248 100  
250 185.5 75.2 112.8#  
141 520.9 50.0 75.0#

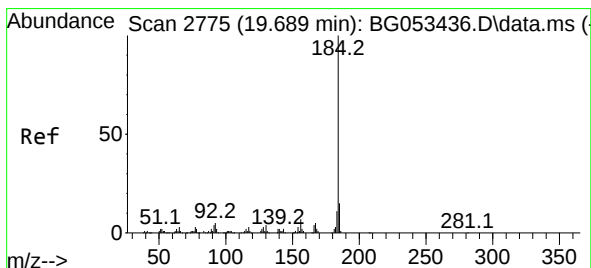
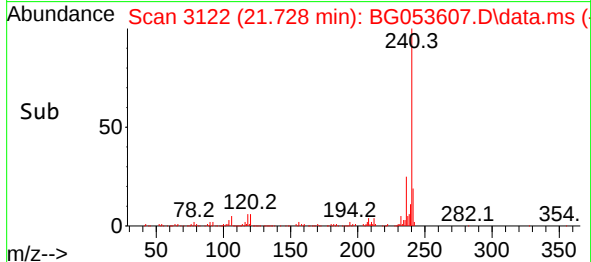
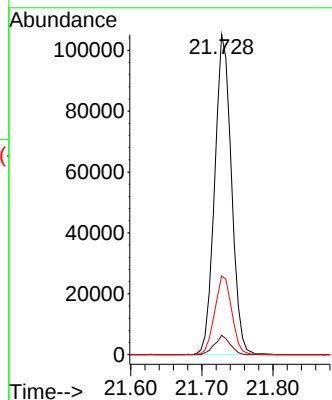
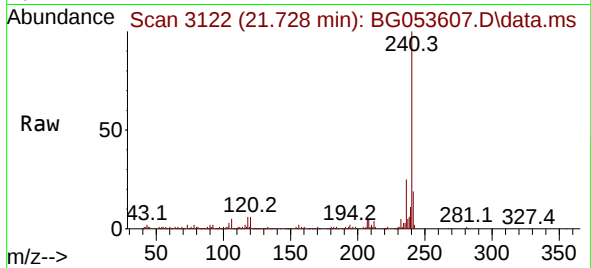




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.728 min Scan# 3125  
Delta R.T. -0.014 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

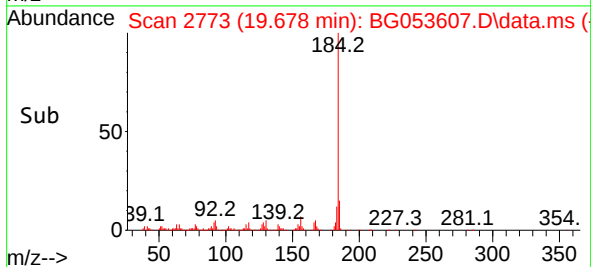
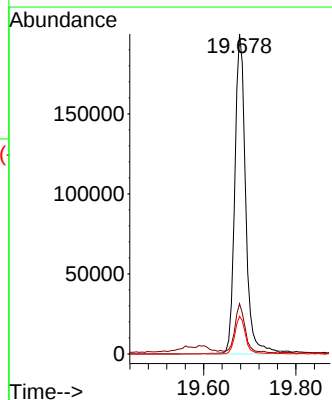
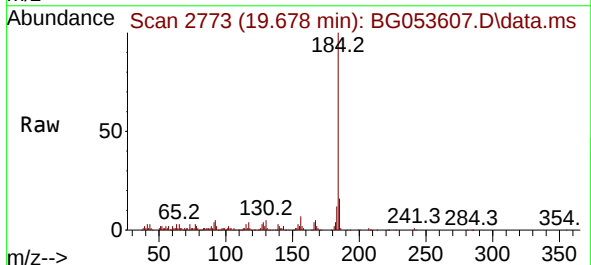
Instrument :  
BNA\_G  
ClientSampleId :  
TP-38

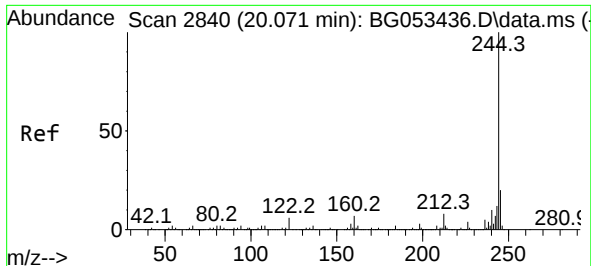
Tgt Ion:240 Resp: 172203  
Ion Ratio Lower Upper  
240 100  
120 6.0 4.6 7.0  
236 24.6 20.2 30.4



#77  
Benzidine  
Concen: 87.641 ng  
RT: 19.678 min Scan# 2773  
Delta R.T. -0.002 min  
Lab File: BG053607.D  
Acq: 18 May 2022 17:28

Tgt Ion:184 Resp: 325289  
Ion Ratio Lower Upper  
184 100  
185 15.7 11.8 17.6  
183 11.8 8.9 13.3

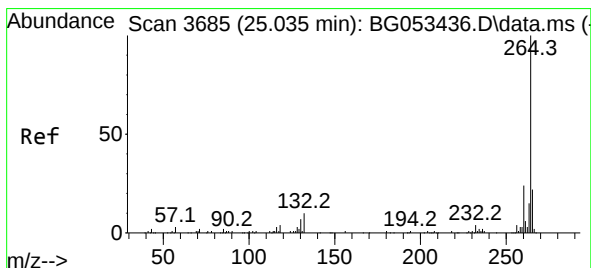
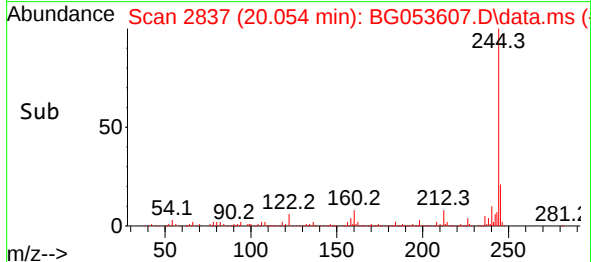
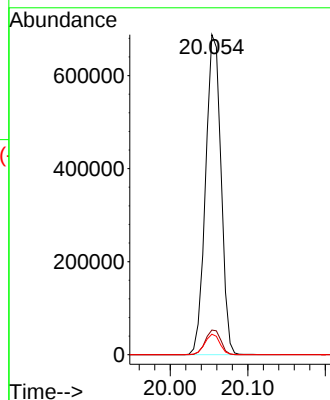
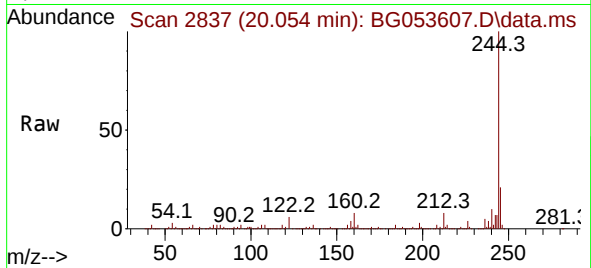




#79  
 Terphenyl-d14  
 Concen: 102.614 ng  
 RT: 20.054 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BG053607.D  
 Acq: 18 May 2022 17:28

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-38

Tgt Ion:244 Resp: 948760  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.5 9.7  
 122 6.4 5.0 7.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.006 min Scan# 3680  
 Delta R.T. -0.014 min  
 Lab File: BG053607.D  
 Acq: 18 May 2022 17:28

Tgt Ion:264 Resp: 174095  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 19.0 28.6  
 265 21.0 17.4 26.2

