

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050522\  
 Data File : BG053457.D  
 Acq On : 5 May 2022 19:15  
 Operator : CG/JU  
 Sample : N2677-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

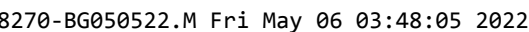
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-5,17

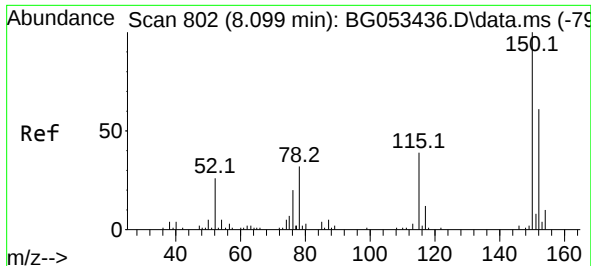
Quant Time: May 06 03:48:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 02:13:53 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.088  | 152  | 22803    | 20.000  | ng     | -0.01    |
| 21) Naphthalene-d8            | 10.901 | 136  | 90646    | 20.000  | ng     | -0.01    |
| 39) Acenaphthene-d10          | 14.714 | 164  | 68311    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.457 | 188  | 173642   | 20.000  | ng     | -0.01    |
| 76) Chrysene-d12              | 21.734 | 240  | 195498   | 20.000  | ng     | -0.01    |
| 86) Perylene-d12              | 25.018 | 264  | 200746   | 20.000  | ng     | -0.02    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.656  | 112  | 164628   | 122.526 | ng     | -0.01    |
| 7) Phenol-d6                  | 7.253  | 99   | 242040   | 118.697 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.251  | 82   | 170138   | 79.899  | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.200 | 330  | 121364   | 120.460 | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.339 | 172  | 378142   | 80.891  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.060 | 244  | 831838   | 79.248  | ng     | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.251  | 70   | 23733    | 16.221  | ng     | # 72     |
| 51) 2,6-Dinitrotoluene        | 14.714 | 165  | 8621     | 8.152   | ng     | # 16     |
| 57) 2,4-Dinitrotoluene        | 14.714 | 165  | 8621     | 5.624   | ng     | # 21     |
| 67) 4-Bromophenyl-phenylether | 16.200 | 248  | 7904     | 3.898   | ng     | # 1      |
| 77) Benzidine                 | 20.060 | 184  | 14141    | 3.356   | ng     | # 93     |
| -----                         |        |      |          |         |        |          |

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

Quant Time: May 06 03:48:02 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 05 02:13:53 2022  
Response via : Initial Calibration

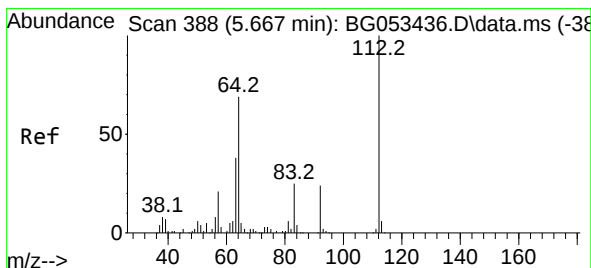
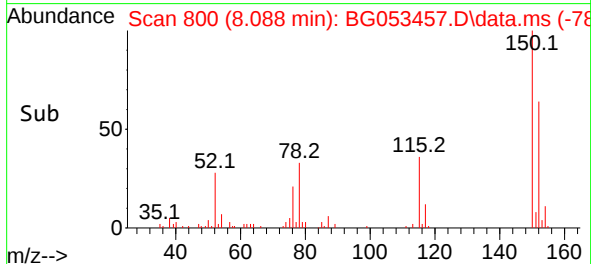
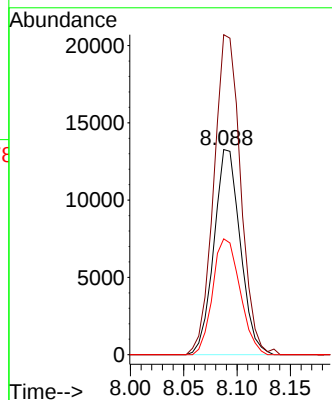
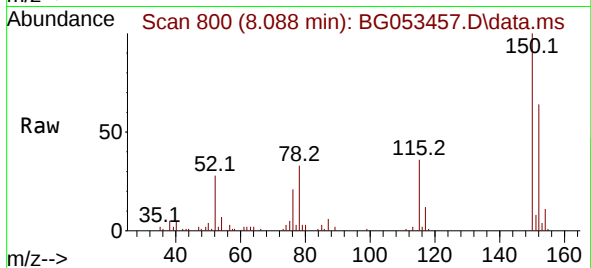




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.088 min Scan# 80  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

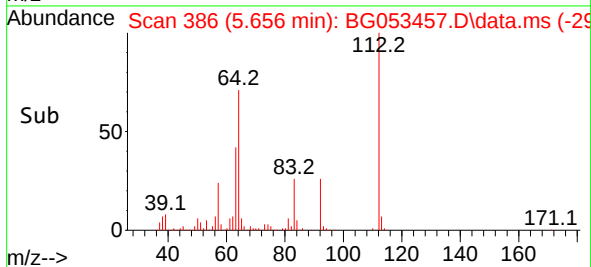
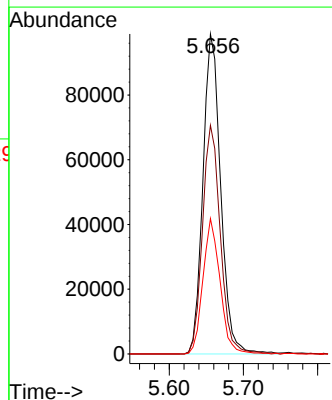
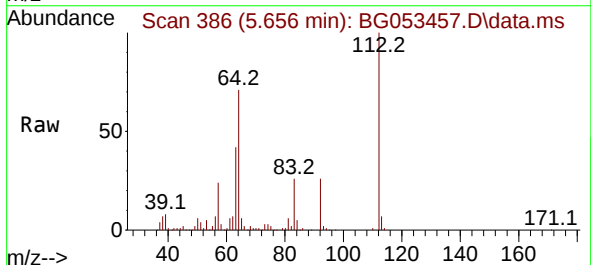
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

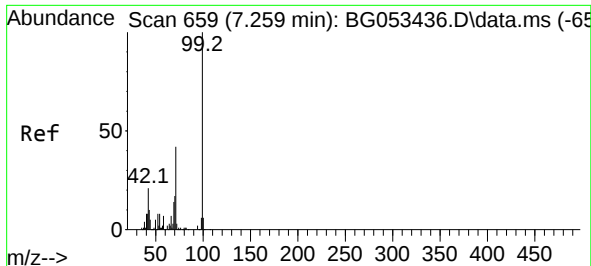
Tgt Ion:152 Resp: 22803  
Ion Ratio Lower Upper  
152 100  
150 156.0 131.6 197.4  
115 56.5 50.9 76.3



#5  
2-Fluorophenol  
Concen: 122.526 ng  
RT: 5.656 min Scan# 386  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Tgt Ion:112 Resp: 164628  
Ion Ratio Lower Upper  
112 100  
64 71.5 55.1 82.7  
63 42.3 30.4 45.6

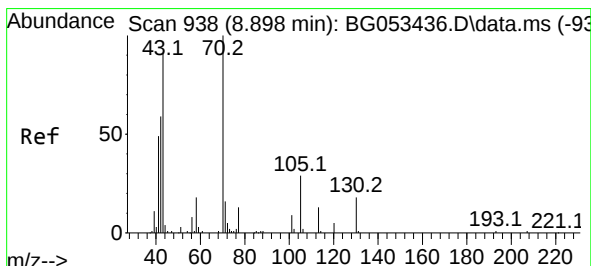
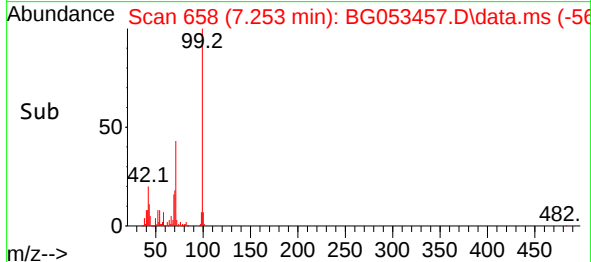
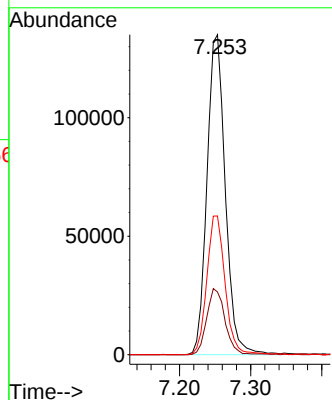
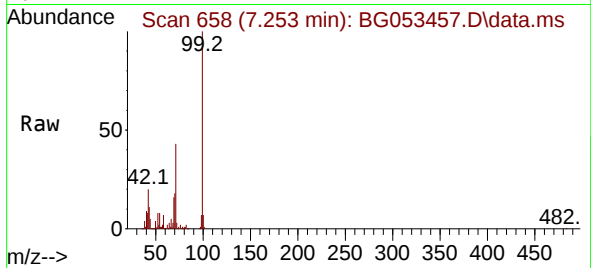




#7  
Phenol-d6  
Concen: 118.697 ng  
RT: 7.253 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

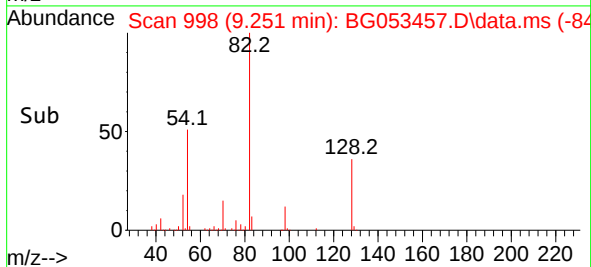
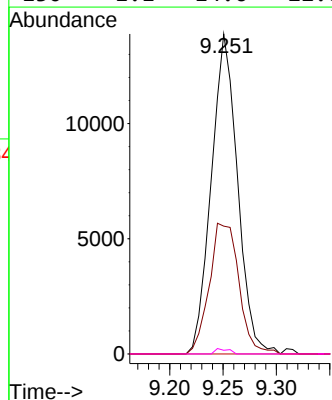
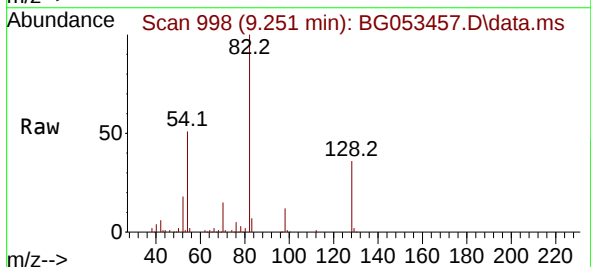
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

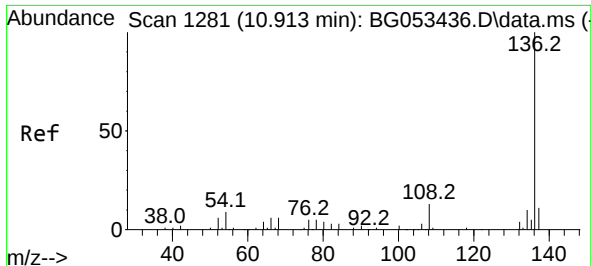
Tgt Ion: 99 Resp: 242040  
Ion Ratio Lower Upper  
99 100  
42 19.6 17.0 25.6  
71 43.4 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.221 ng  
RT: 9.251 min Scan# 998  
Delta R.T. 0.353 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Tgt Ion: 70 Resp: 23733  
Ion Ratio Lower Upper  
70 100  
42 39.9 47.3 70.9#  
101 0.0 7.0 10.4#  
130 1.1 14.6 22.0#

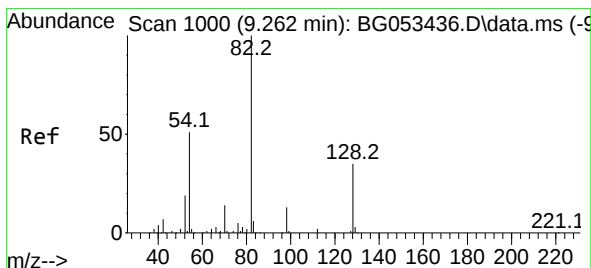
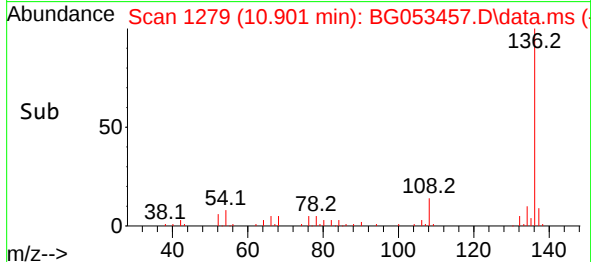
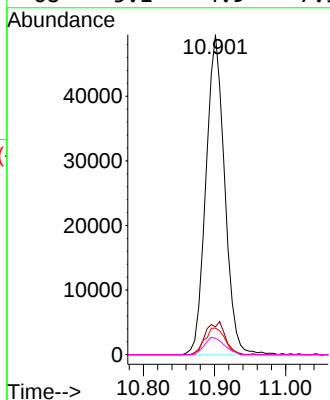
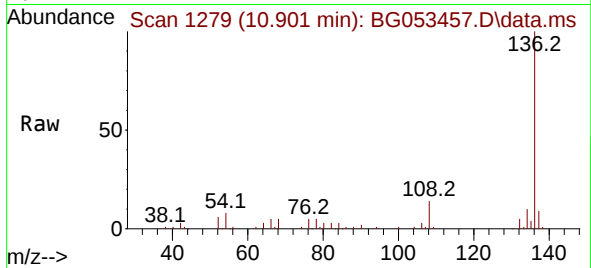




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.901 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

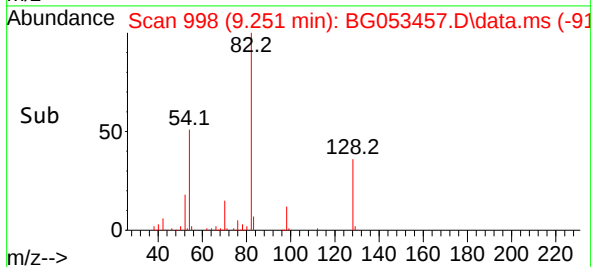
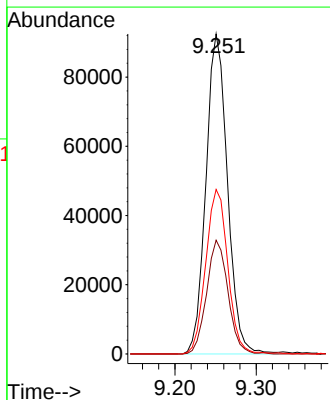
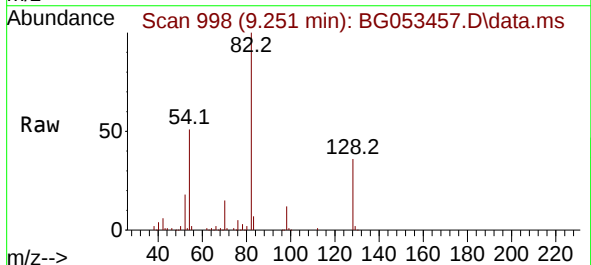
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

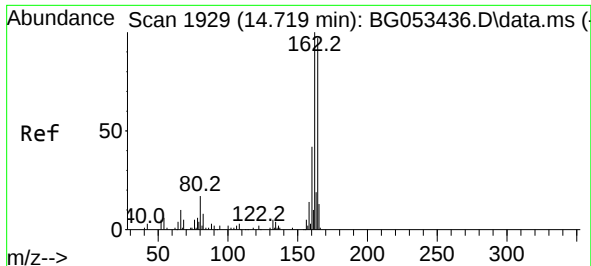
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 90646    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 8.7   | 8.5 12.7 |
| 54          | 8.3   | 7.4 11.2 |
| 68          | 5.1   | 4.9 7.3  |



#23  
Nitrobenzene-d5  
Concen: 79.899 ng  
RT: 9.251 min Scan# 998  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 170138    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 35.6  | 27.9 41.9 |
| 54          | 51.4  | 41.2 61.8 |

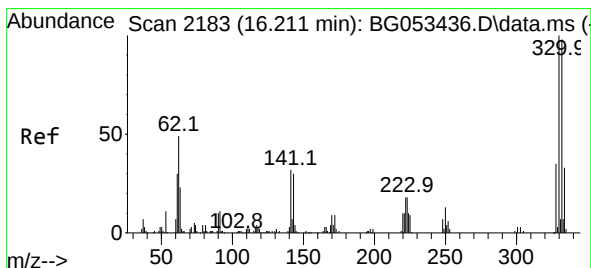
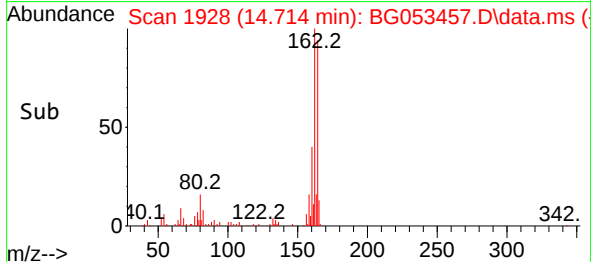
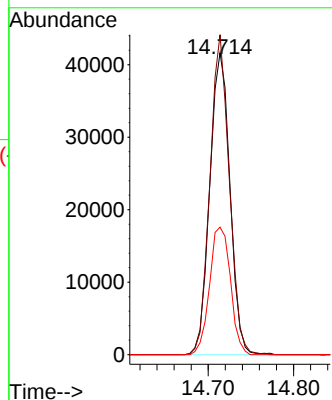
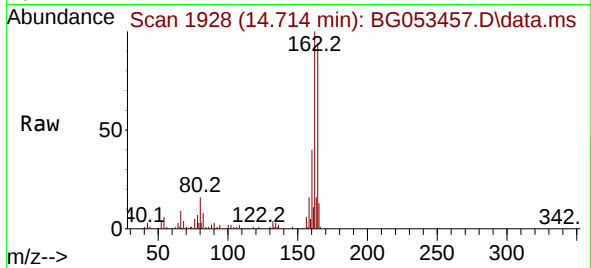




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.714 min Scan# 1929  
Delta R.T. -0.005 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

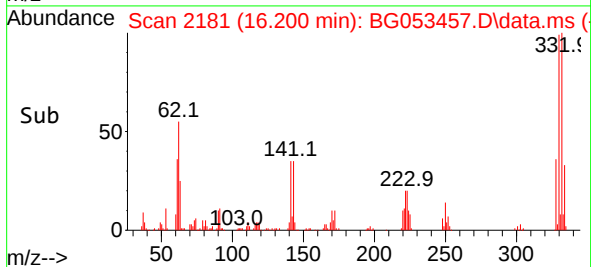
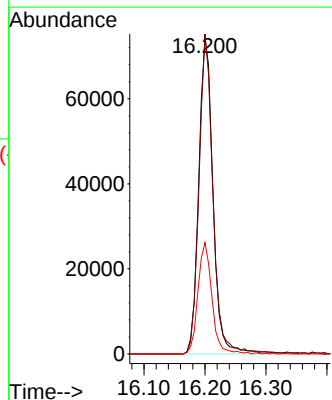
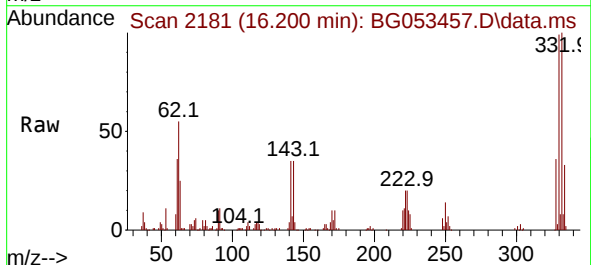
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

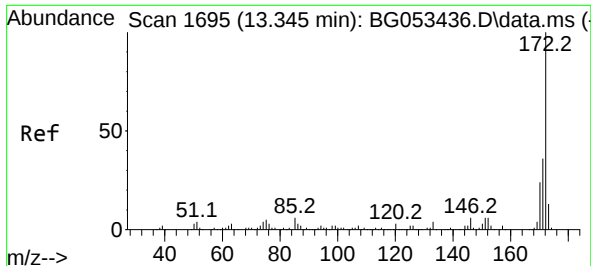
Tgt Ion:164 Resp: 68311  
Ion Ratio Lower Upper  
164 100  
162 106.0 82.3 123.5  
160 42.2 34.2 51.2



#42  
2,4,6-Tribromophenol  
Concen: 120.460 ng  
RT: 16.200 min Scan# 2181  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Tgt Ion:330 Resp: 121364  
Ion Ratio Lower Upper  
330 100  
332 98.4 76.0 114.0  
141 34.4 27.1 40.7

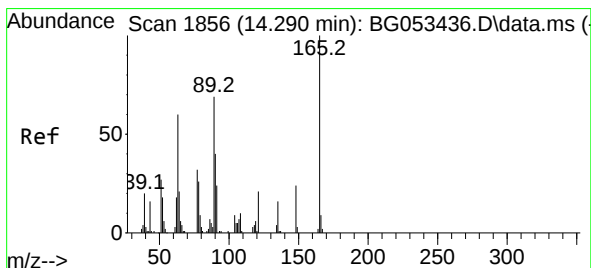
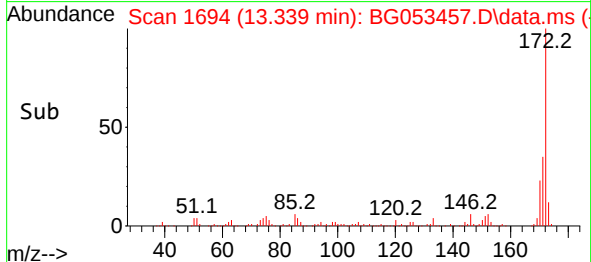
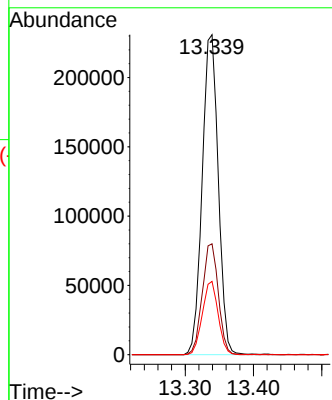
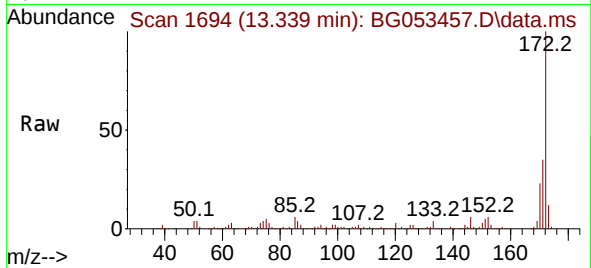




#45  
2-Fluorobiphenyl  
Concen: 80.891 ng  
RT: 13.339 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

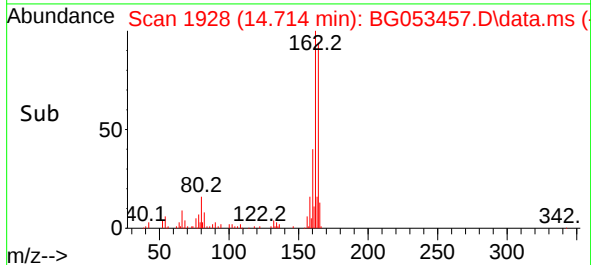
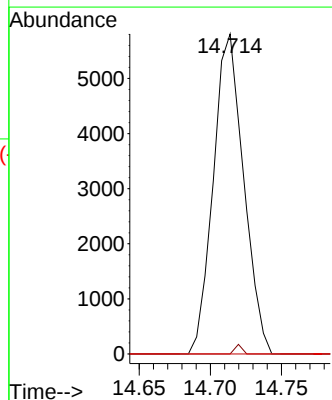
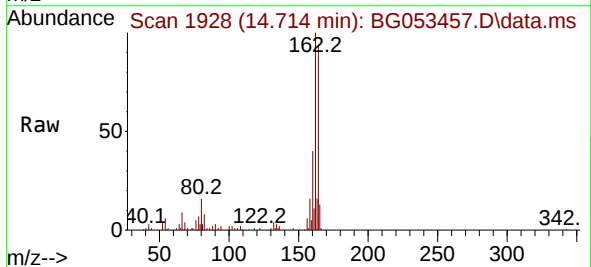
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

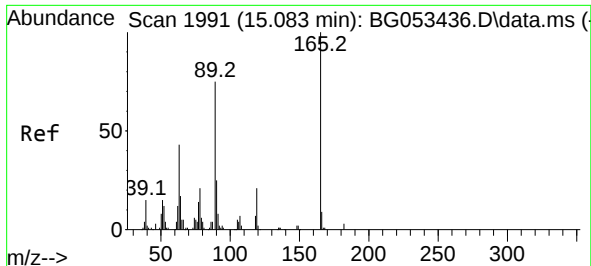
Tgt Ion:172 Resp: 378142  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.5 42.7  
170 22.9 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.152 ng  
RT: 14.714 min Scan# 1928  
Delta R.T. 0.423 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

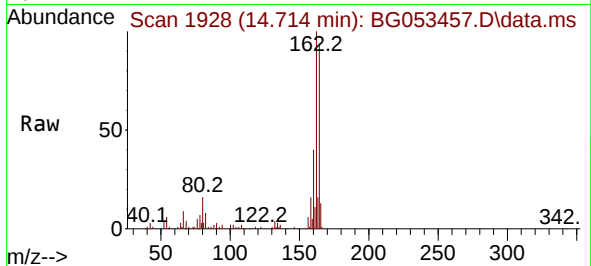
Tgt Ion:165 Resp: 8621  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 0.0 54.8 82.2#



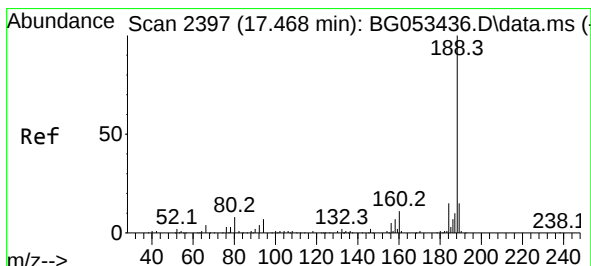
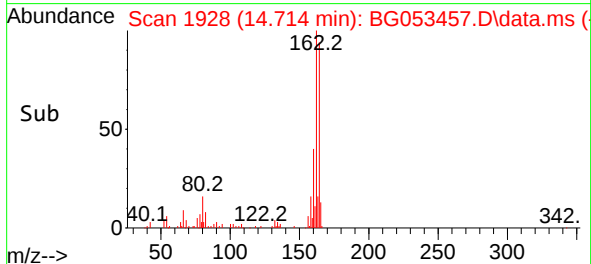
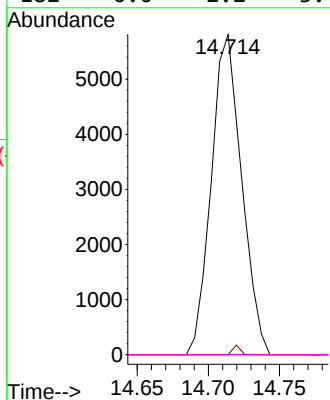


#57  
2,4-Dinitrotoluene  
Concen: 5.624 ng  
RT: 14.714 min Scan# 1991  
Delta R.T. -0.370 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

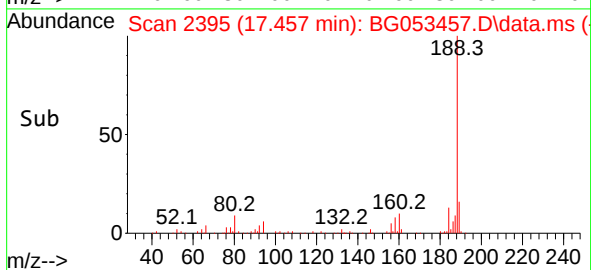
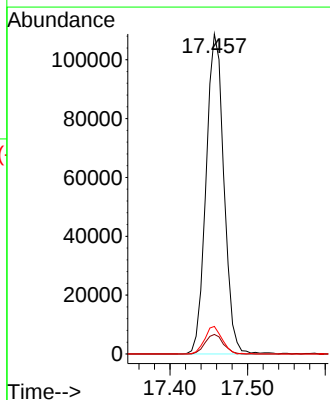
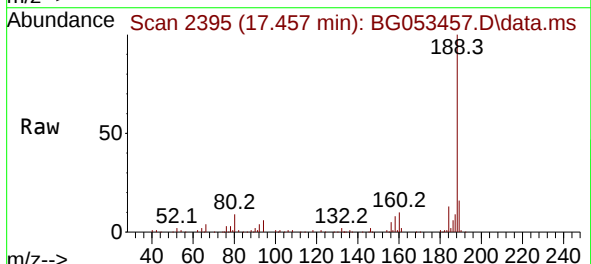


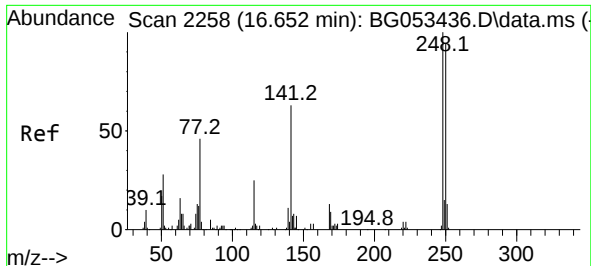
Tgt Ion:165 Resp: 8621  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 0.0 60.3 90.5#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.457 min Scan# 2395  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Tgt Ion:188 Resp: 173642  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.4 8.0  
80 8.6 6.8 10.2

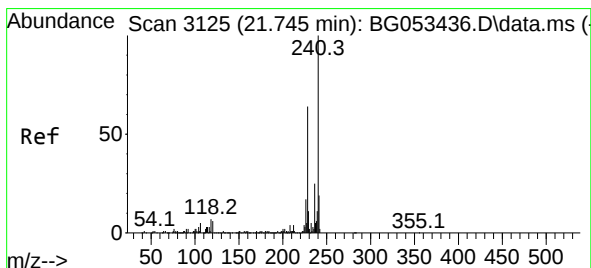
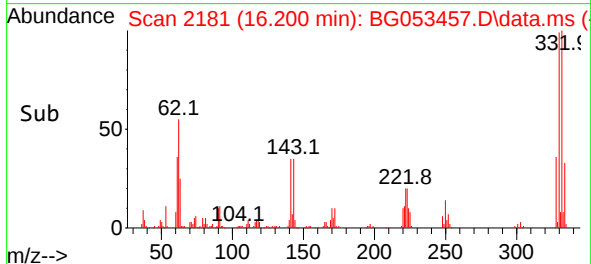
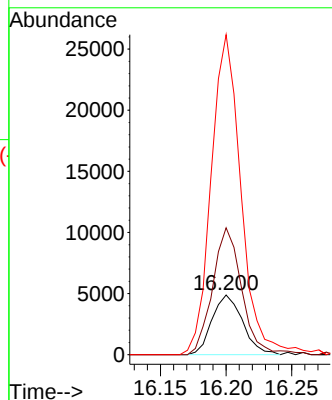
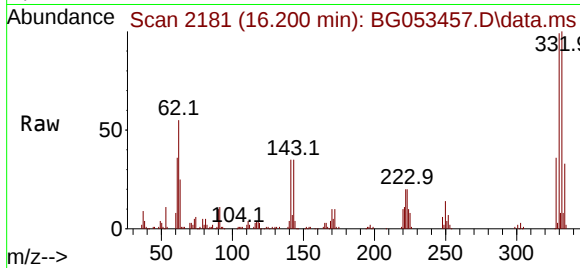




#67  
4-Bromophenyl-phenylether  
Concen: 3.898 ng  
RT: 16.200 min Scan# 2181  
Delta R.T. -0.452 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

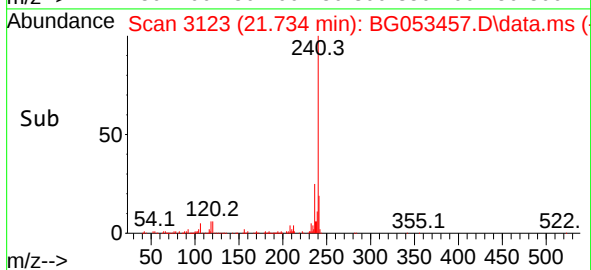
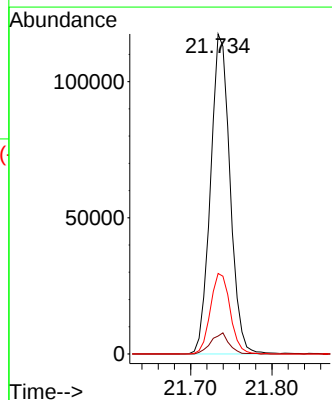
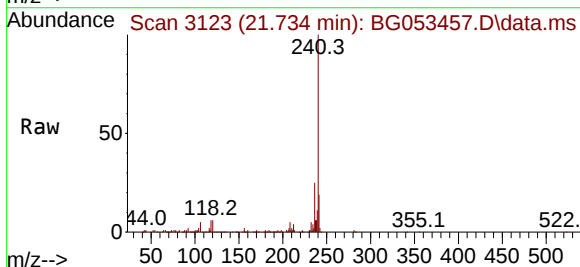
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

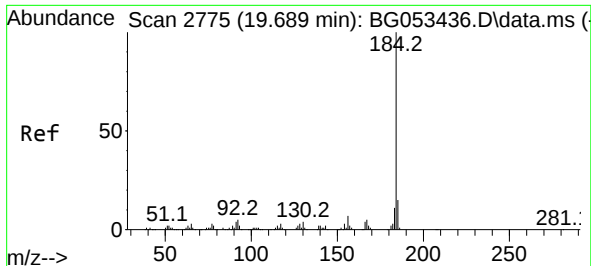
Tgt Ion:248 Resp: 7904  
Ion Ratio Lower Upper  
248 100  
250 212.3 75.2 112.8#  
141 535.8 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.734 min Scan# 3123  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

Tgt Ion:240 Resp: 195498  
Ion Ratio Lower Upper  
240 100  
120 5.6 4.6 7.0  
236 25.1 20.2 30.4

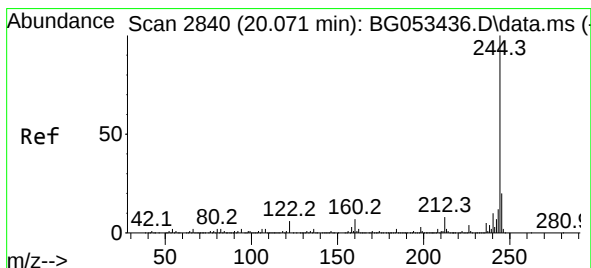
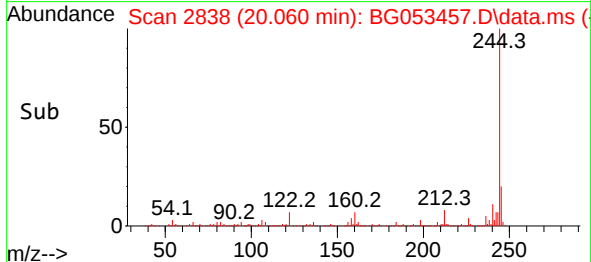
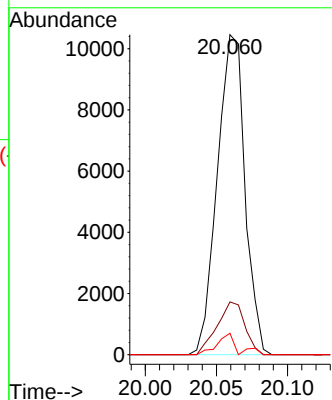
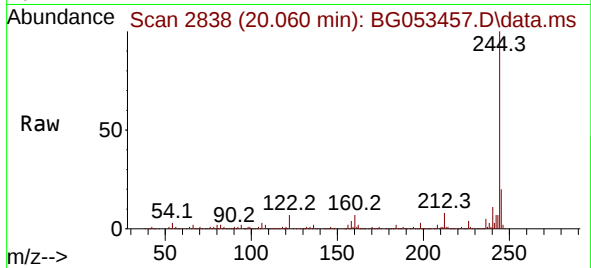




#77  
Benzidine  
Concen: 3.356 ng  
RT: 20.060 min Scan# 21  
Delta R.T. 0.371 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

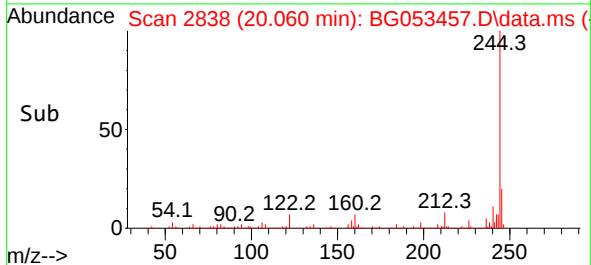
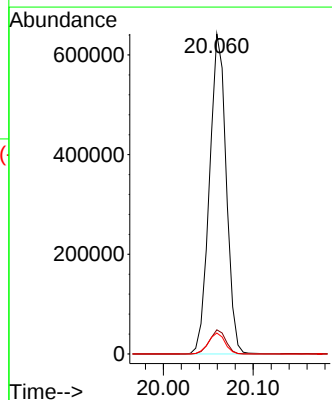
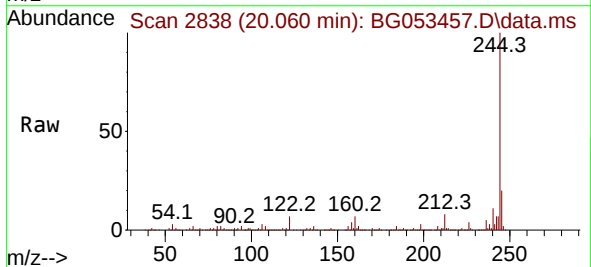
Instrument :  
BNA\_G  
ClientSampleId :  
SB-5,17

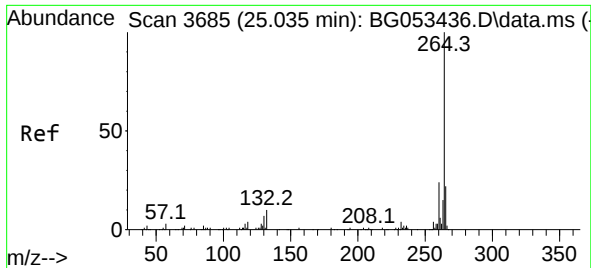
Tgt Ion:184 Resp: 14141  
Ion Ratio Lower Upper  
184 100  
185 16.5 11.8 17.6  
183 6.7 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 79.248 ng  
RT: 20.060 min Scan# 2838  
Delta R.T. -0.011 min  
Lab File: BG053457.D  
Acq: 5 May 2022 19:15

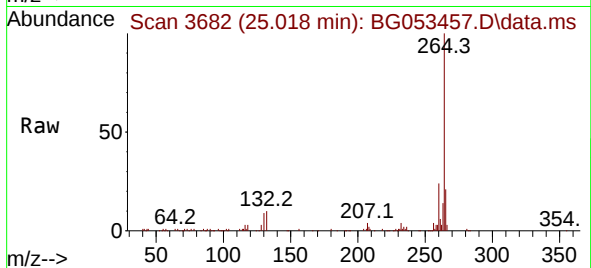
Tgt Ion:244 Resp: 831838  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.5 9.7  
122 6.6 5.0 7.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.018 min Scan# 30  
 Delta R.T. -0.017 min  
 Lab File: BG053457.D  
 Acq: 5 May 2022 19:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-5,17



Tgt Ion:264 Resp: 200746  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.6  
 265 21.2 17.4 26.2

