

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052523\  
 Data File : BG057557.D  
 Acq On : 25 May 2023 14:14  
 Operator : CG/JU  
 Sample : 02941-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TILCON-CLEANFILL-001

Quant Time: May 25 16:23:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 10:58:38 2023  
 Response via : Initial Calibration

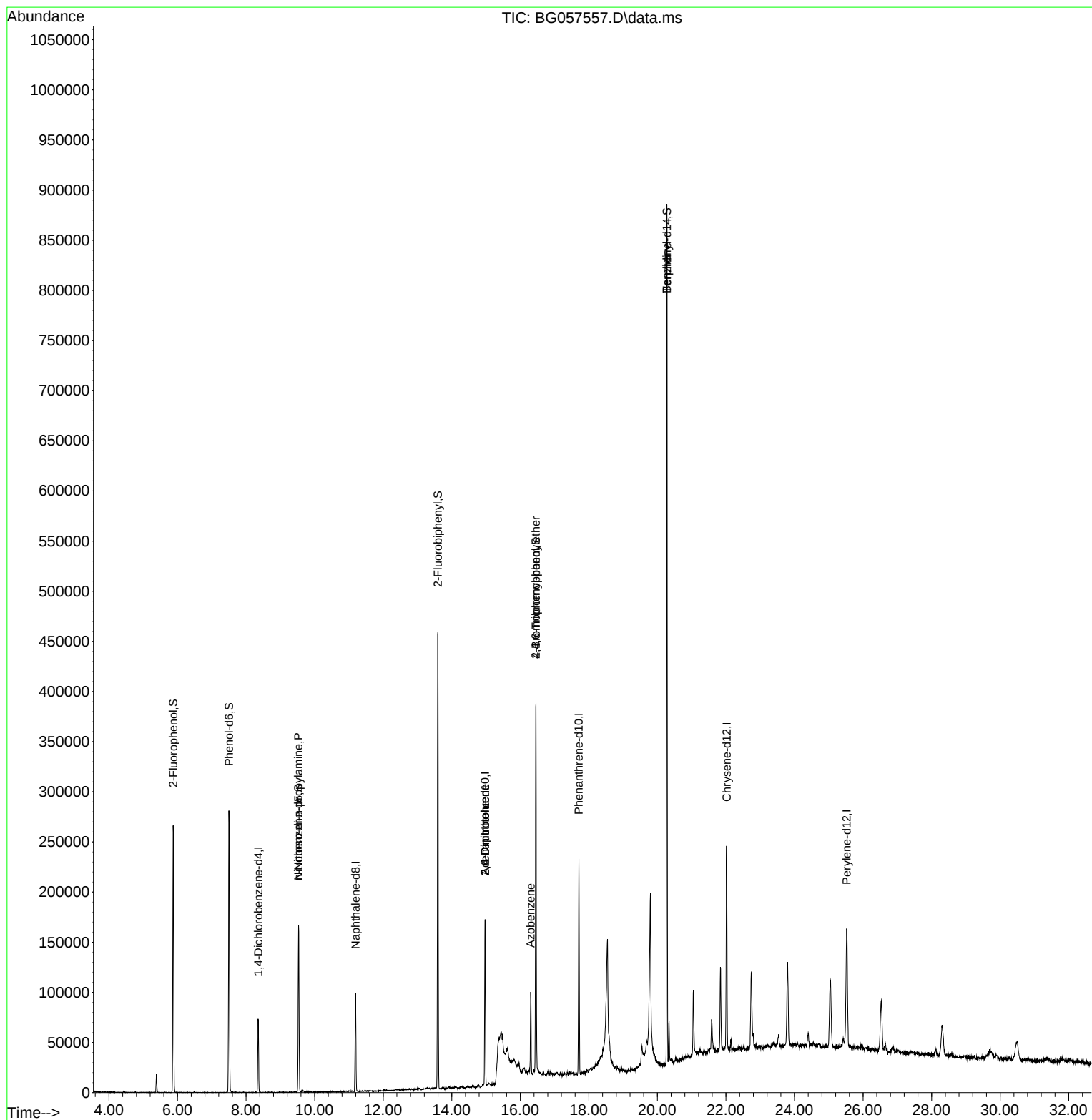
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.357  | 152  | 21952    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 11.194 | 136  | 83724    | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.971 | 164  | 57848    | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.709 | 188  | 139373   | 20.000    | ng     | -0.02    |
| 76) Chrysene-d12              | 22.020 | 240  | 129060   | 20.000    | ng     | -0.02    |
| 86) Perylene-d12              | 25.522 | 264  | 140459   | 20.000    | ng     | -0.02    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.878  | 112  | 122759   | 95.660    | ng     | 0.00     |
| 7) Phenol-d6                  | 7.499  | 99   | 176502   | 90.573    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.531  | 82   | 110662   | 55.475    | ng     | -0.02    |
| 42) 2,4,6-Tribromophenol      | 16.457 | 330  | 82085    | 100.006   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.597 | 172  | 250359   | 58.288    | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.276 | 244  | 444669   | 56.227    | ng     | -0.02    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 7.499  | 77   | 258      | Below Cal | #      | 4        |
| 19) n-Nitroso-di-n-propyla... | 9.531  | 70   | 15472    | 10.412    | ng     | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.971 | 165  | 7339     | 7.561     | ng     | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.971 | 165  | 7339     | 5.291     | ng     | # 20     |
| 63) Azobenzene                | 16.305 | 77   | 23074    | 4.954     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 16.457 | 248  | 5460     | 3.209     | ng     | # 1      |
| 77) Benzidine                 | 20.276 | 184  | 6606     | 2.290     | ng     | # 85     |
| -----                         |        |      |          |           |        |          |

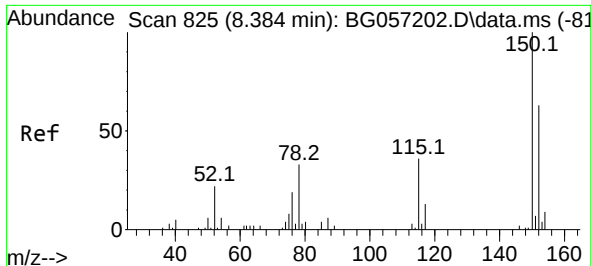
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052523\  
Data File : BG057557.D  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Time: May 25 16:23:30 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 25 10:58:38 2023  
Response via : Initial Calibration

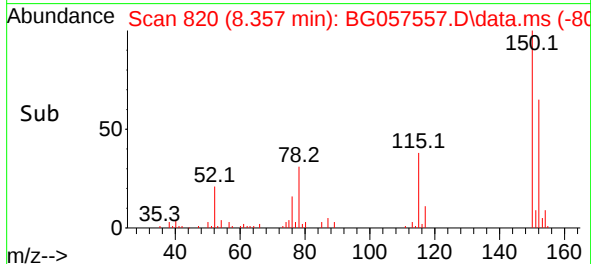
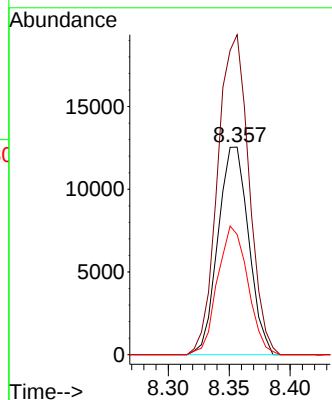
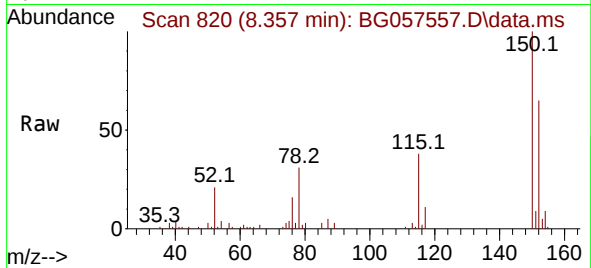




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.357 min Scan# 81  
Delta R.T. -0.009 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

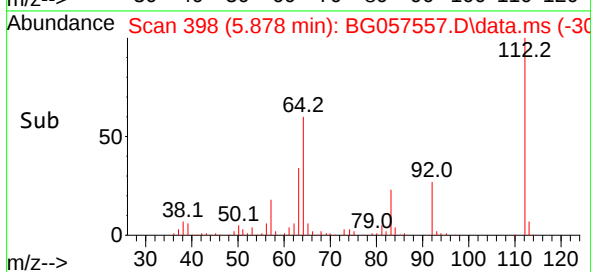
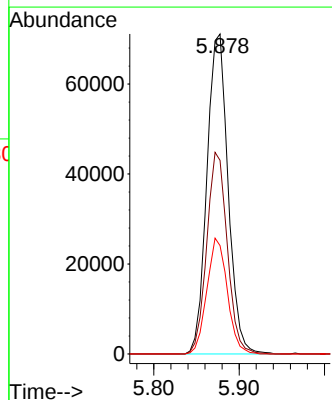
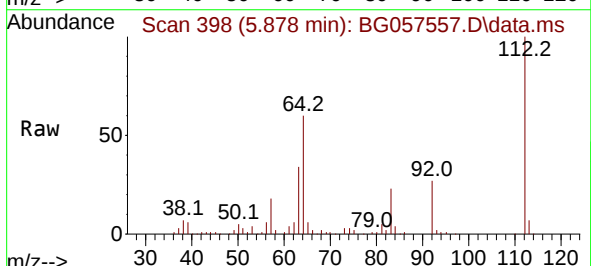
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

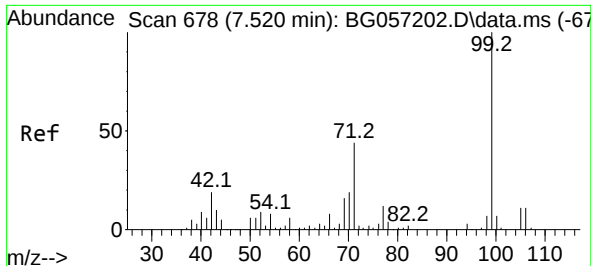
Tgt Ion:152 Resp: 21952  
Ion Ratio Lower Upper  
152 100  
150 154.2 126.2 189.4  
115 57.9 45.0 67.4



#5  
2-Fluorophenol  
Concen: 95.660 ng  
RT: 5.878 min Scan# 398  
Delta R.T. 0.003 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion:112 Resp: 122759  
Ion Ratio Lower Upper  
112 100  
64 60.5 49.4 74.2  
63 33.9 31.6 47.4

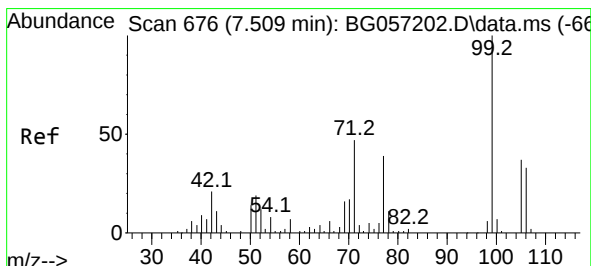
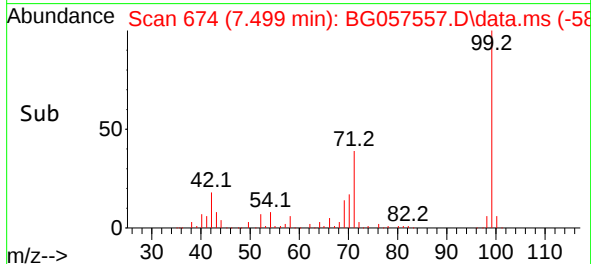
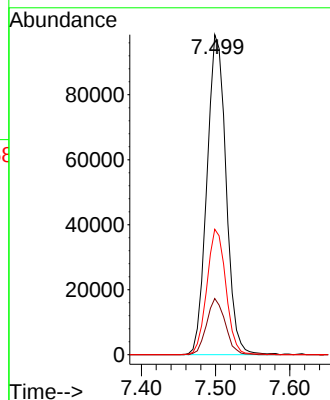
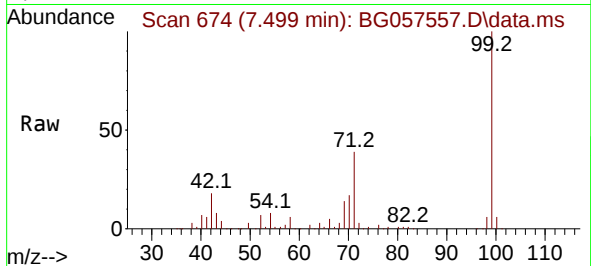




#7  
Phenol-d6  
Concen: 90.573 ng  
RT: 7.499 min Scan# 61  
Delta R.T. -0.009 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

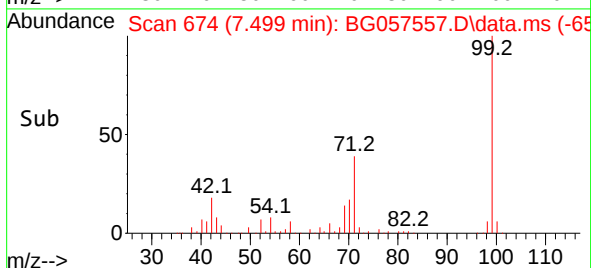
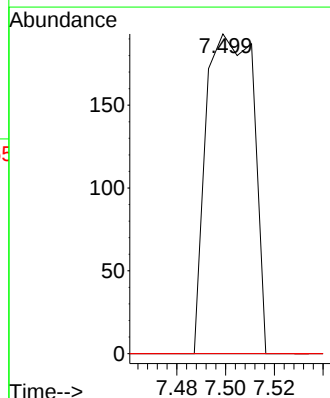
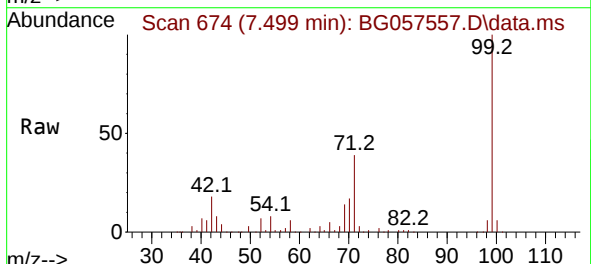
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

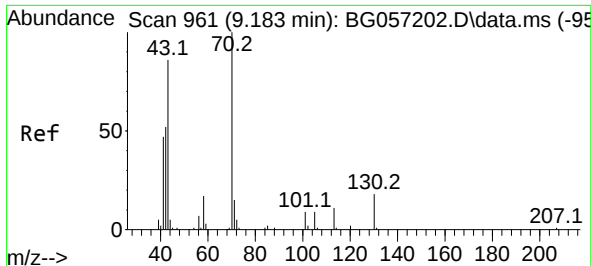
Tgt Ion: 99 Resp: 176502  
Ion Ratio Lower Upper  
99 100  
42 17.6 15.1 22.7  
71 39.2 35.2 52.8



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.499 min Scan# 674  
Delta R.T. 0.008 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion: 77 Resp: 258  
Ion Ratio Lower Upper  
77 100  
105 0.0 74.6 114.6#  
106 0.0 66.3 106.3#

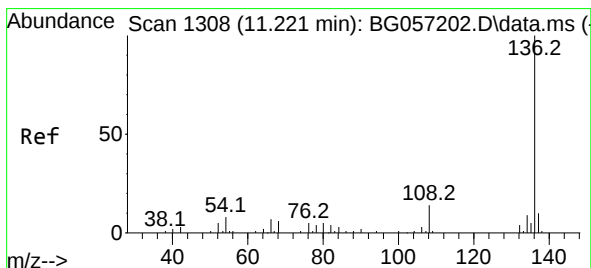
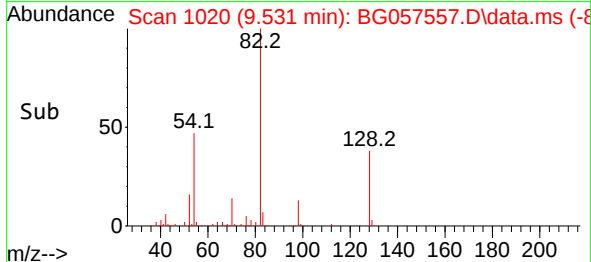
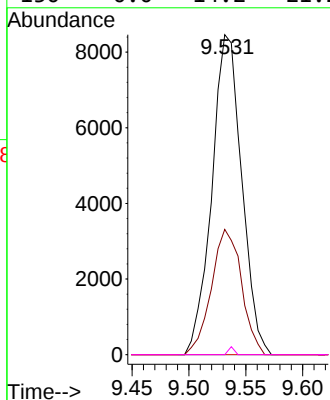
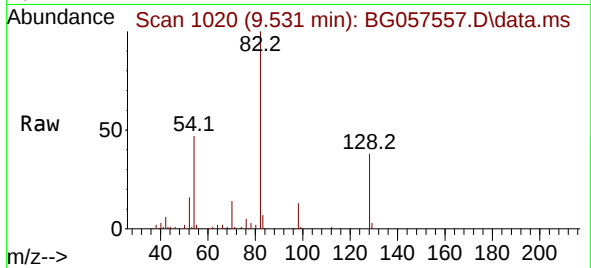




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.412 ng  
RT: 9.531 min Scan# 1020  
Delta R.T. 0.367 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

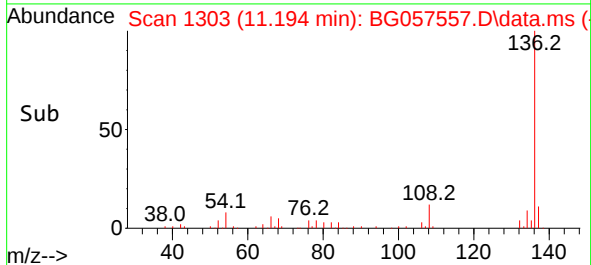
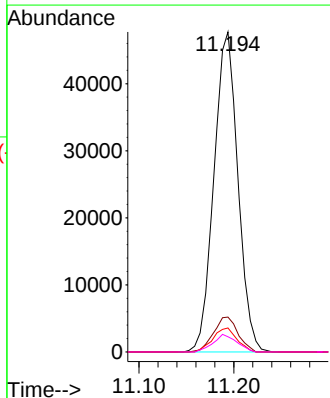
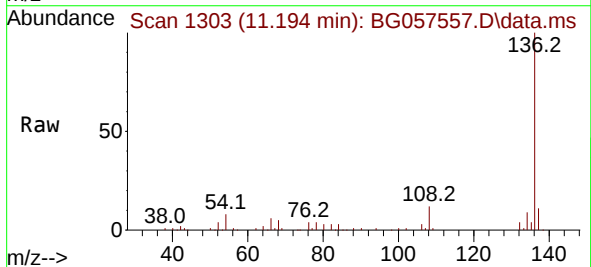
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

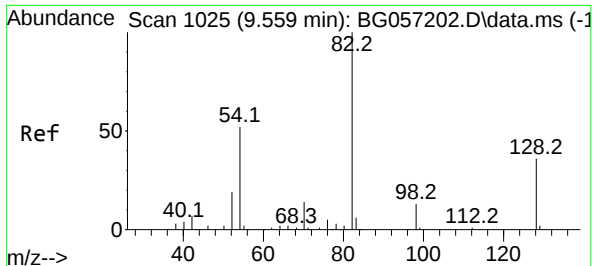
Tgt Ion: 70 Resp: 15472  
Ion Ratio Lower Upper  
70 100  
42 39.2 41.8 62.8#  
101 0.0 6.8 10.2#  
130 0.0 14.2 21.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.194 min Scan# 1303  
Delta R.T. -0.009 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion:136 Resp: 83724  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.3 12.5  
54 7.5 6.7 10.1  
68 4.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 55.475 ng

RT: 9.531 min Scan# 110662

Delta R.T. -0.015 min

Lab File: BG057557.D

Acq: 25 May 2023 14:14

Instrument :

BNA\_G

ClientSampleId :

TILCON-CLEANFILL-001

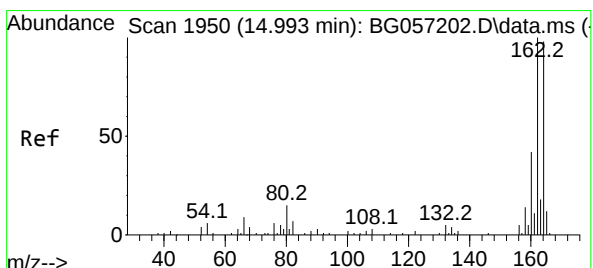
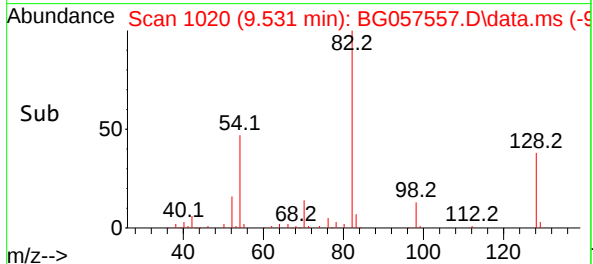
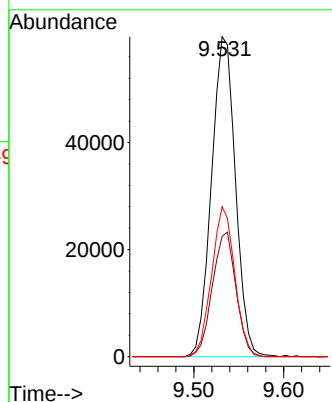
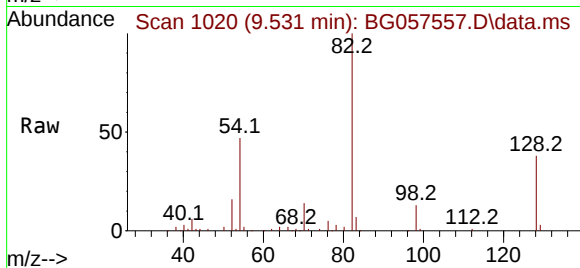
Tgt Ion: 82 Resp: 110662

Ion Ratio Lower Upper

82 100

128 37.6 29.0 43.4

54 46.9 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.971 min Scan# 1946

Delta R.T. -0.009 min

Lab File: BG057557.D

Acq: 25 May 2023 14:14

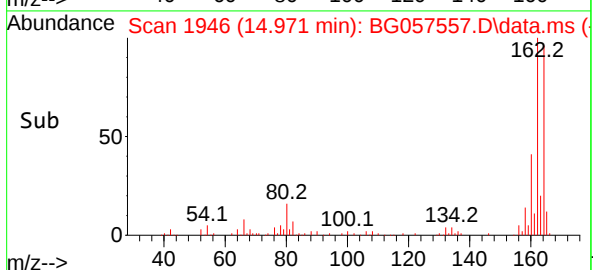
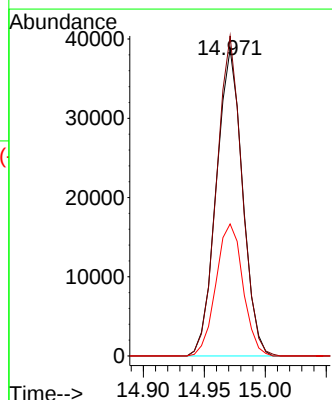
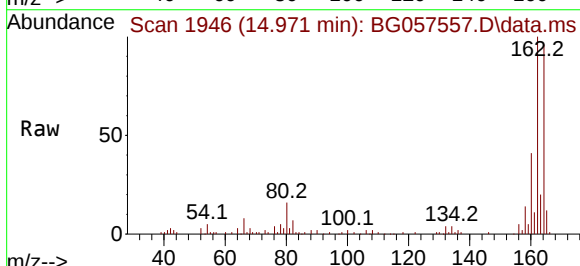
Tgt Ion:164 Resp: 57848

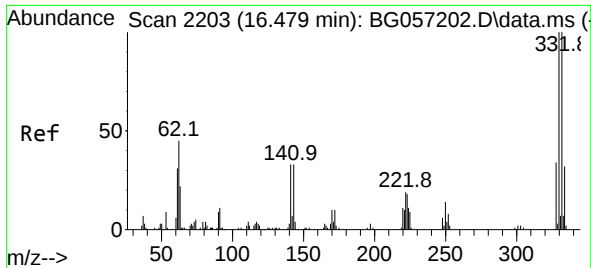
Ion Ratio Lower Upper

164 100

162 104.2 81.8 122.6

160 43.0 34.6 52.0

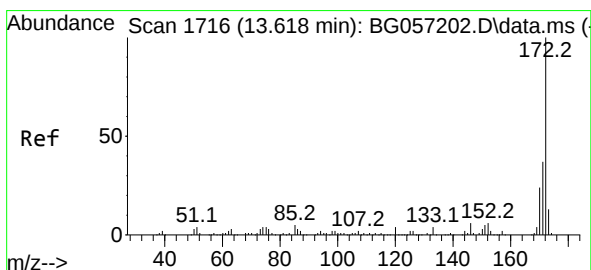
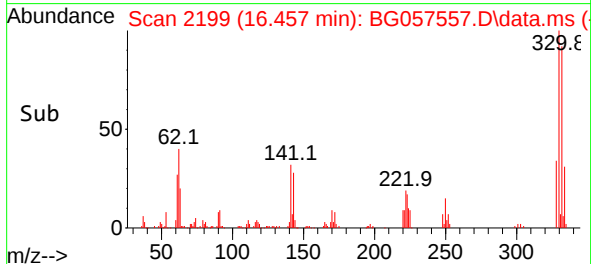
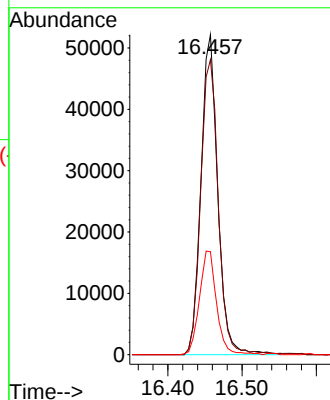
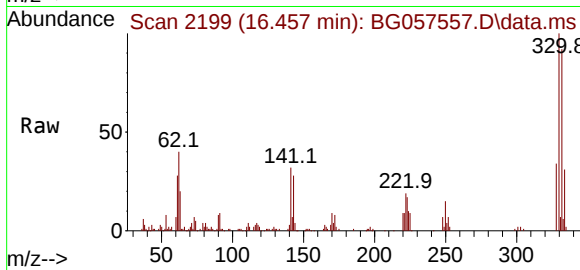




#42  
2,4,6-Tribromophenol  
Concen: 100.006 ng  
RT: 16.457 min Scan# 2199  
Delta R.T. -0.009 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

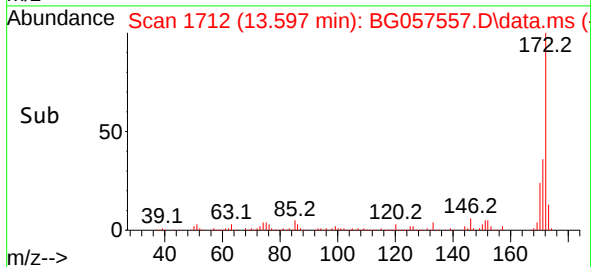
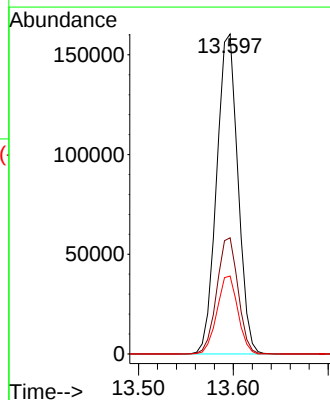
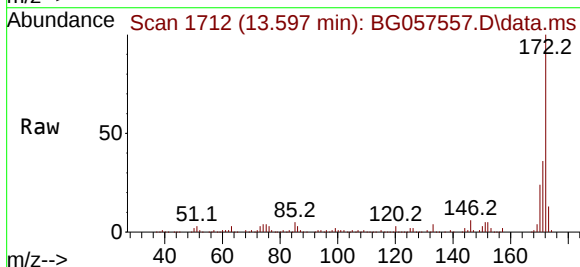
Instrument :  
BNA\_G  
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TILCON-CLEANFILL-001

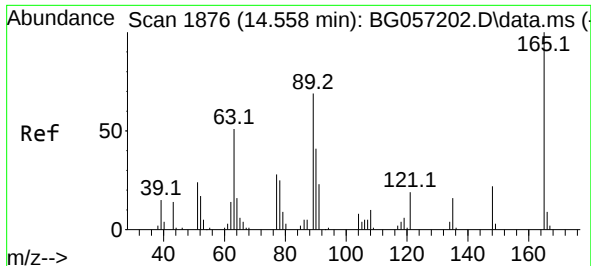
Tgt Ion:330 Resp: 82085  
Ion Ratio Lower Upper  
330 100  
332 96.6 78.2 117.2  
141 33.0 27.8 41.8



#45  
2-Fluorobiphenyl  
Concen: 58.288 ng  
RT: 13.597 min Scan# 1712  
Delta R.T. -0.009 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion:172 Resp: 250359  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.4 44.0  
170 24.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.561 ng

RT: 14.971 min Scan# 1946

Delta R.T. 0.420 min

Lab File: BG057557.D

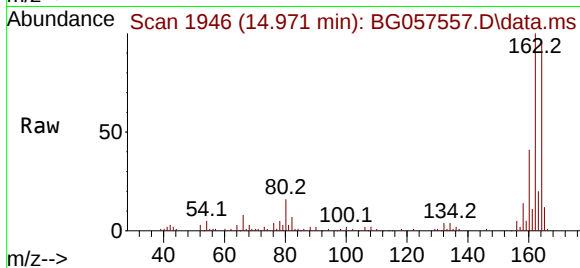
Acq: 25 May 2023 14:14

Instrument :

BNA\_G

ClientSampleId :

TILCON-CLEANFILL-001



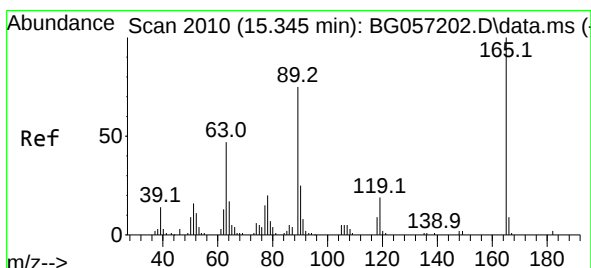
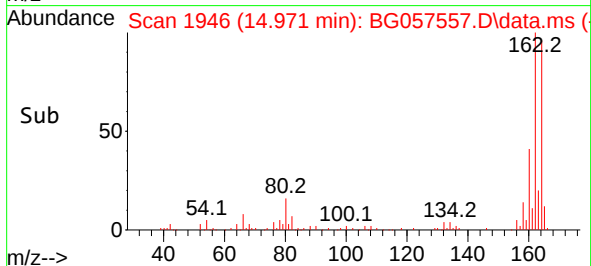
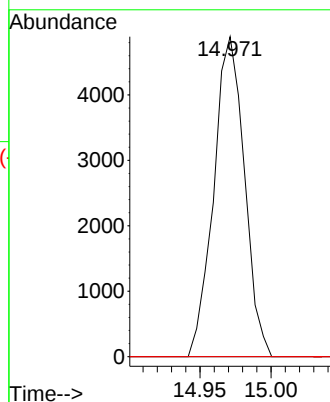
Tgt Ion:165 Resp: 7339

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.291 ng

RT: 14.971 min Scan# 1946

Delta R.T. -0.368 min

Lab File: BG057557.D

Acq: 25 May 2023 14:14

Tgt Ion:165 Resp: 7339

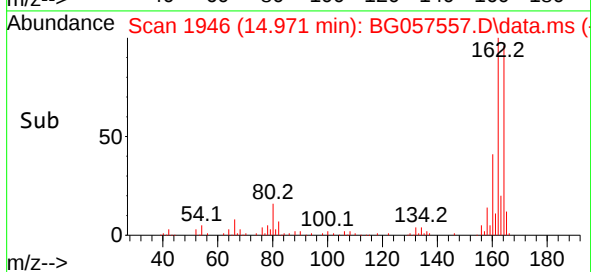
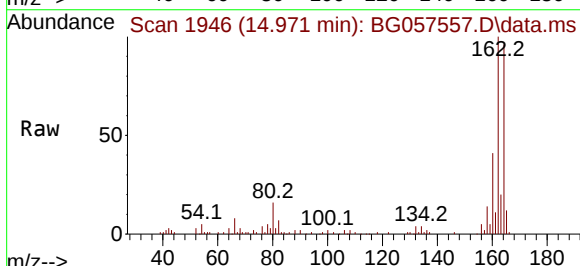
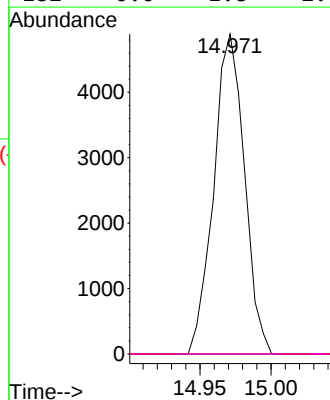
Ion Ratio Lower Upper

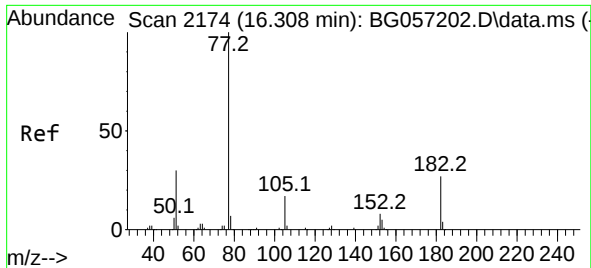
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

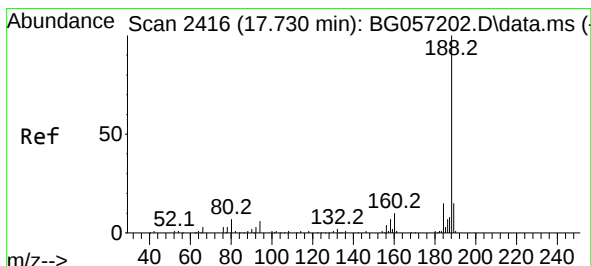
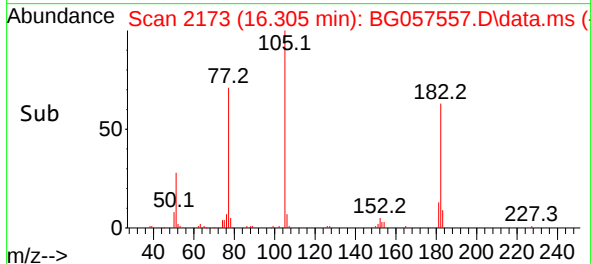
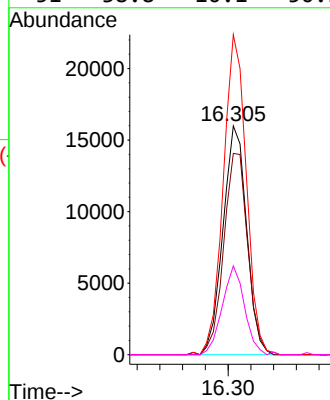
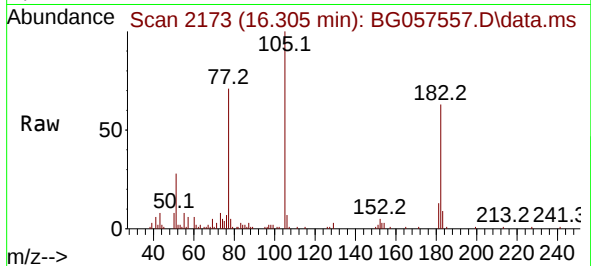




#63  
Azobenzene  
Concen: 4.954 ng  
RT: 16.305 min Scan# 2174  
Delta R.T. 0.014 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

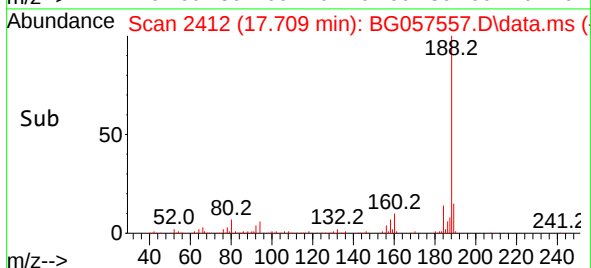
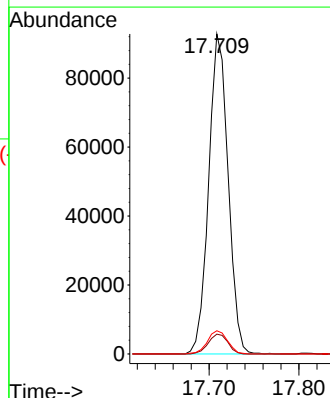
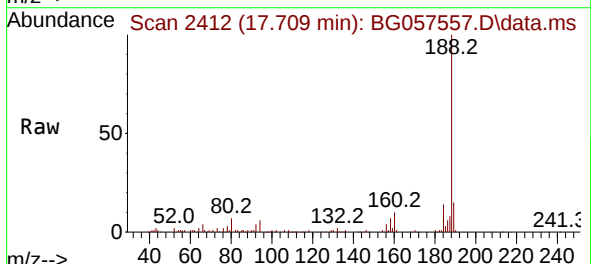
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

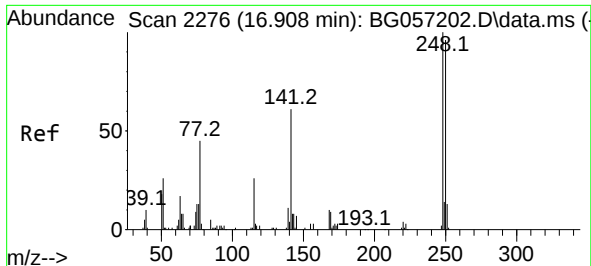
Tgt Ion: 77 Resp: 23074  
Ion Ratio Lower Upper  
77 100  
182 88.0 7.4 47.4#  
105 139.9 0.0 37.2#  
51 38.8 10.1 50.1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.709 min Scan# 2412  
Delta R.T. -0.015 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion:188 Resp: 139373  
Ion Ratio Lower Upper  
188 100  
94 6.2 5.1 7.7  
80 7.3 5.7 8.5

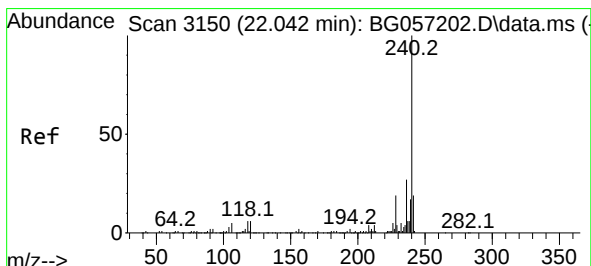
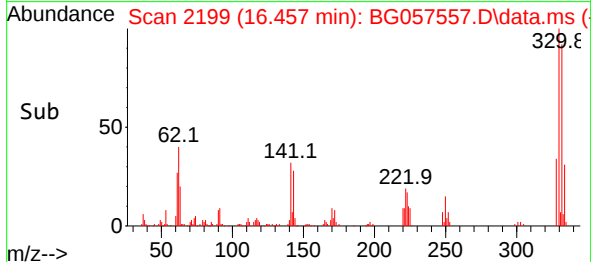
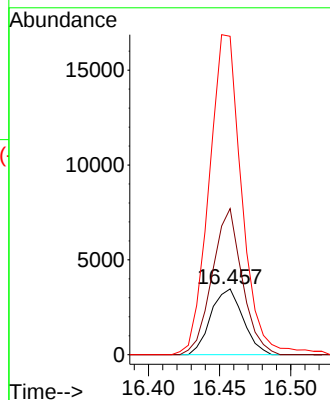
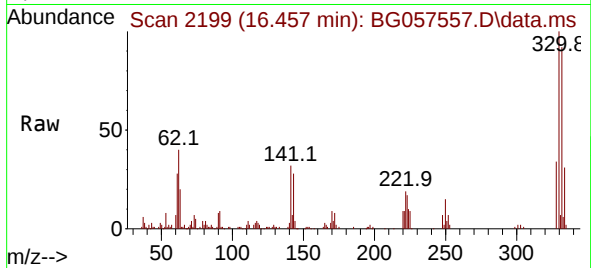




#67  
4-Bromophenyl-phenylether  
Concen: 3.209 ng  
RT: 16.457 min Scan# 21199  
Delta R.T. -0.438 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

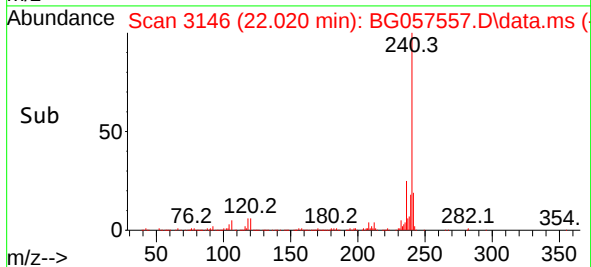
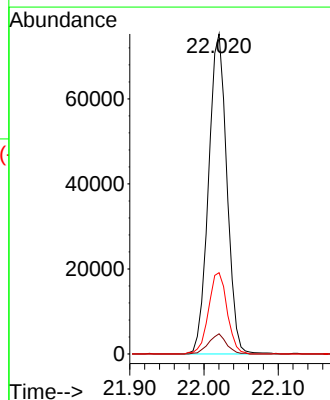
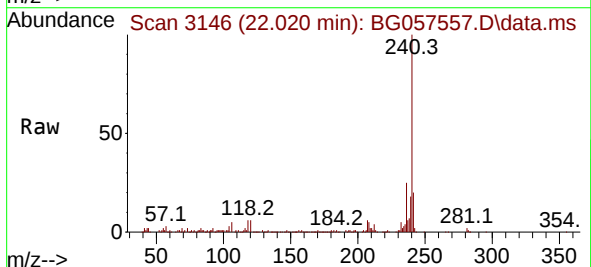
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

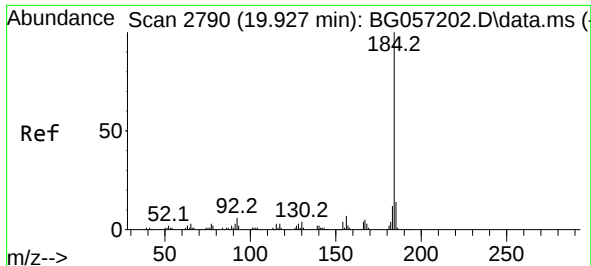
Tgt Ion:248 Resp: 5460  
Ion Ratio Lower Upper  
248 100  
250 222.4 77.0 115.6#  
141 484.8 48.6 72.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.020 min Scan# 3146  
Delta R.T. -0.015 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Tgt Ion:240 Resp: 129060  
Ion Ratio Lower Upper  
240 100  
120 6.3 4.9 7.3  
236 25.4 21.4 32.2

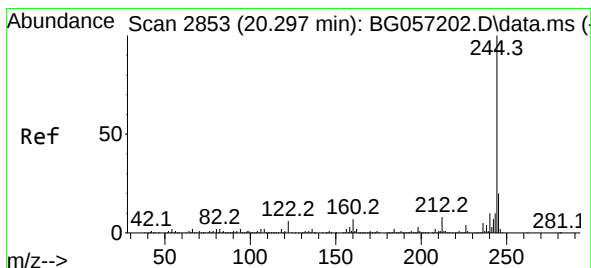
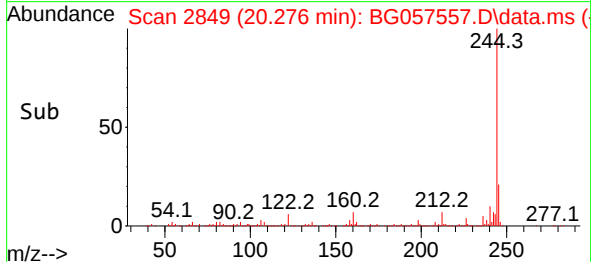
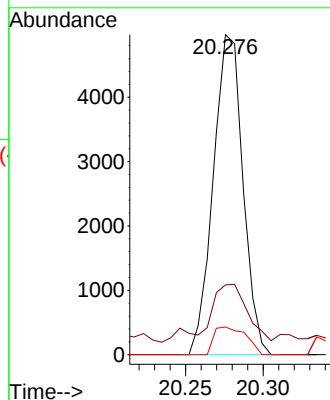
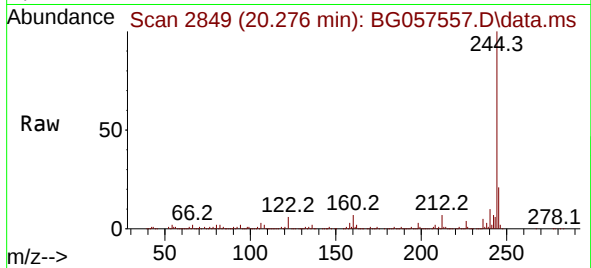




#77  
Benzidine  
Concen: 2.290 ng  
RT: 20.276 min Scan# 2849  
Delta R.T. 0.355 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

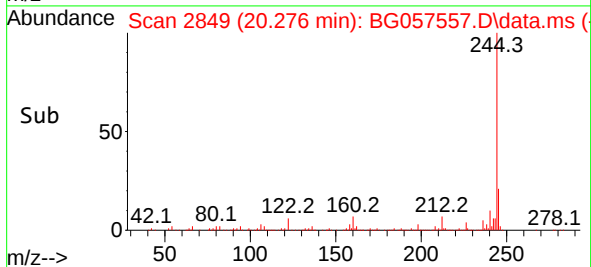
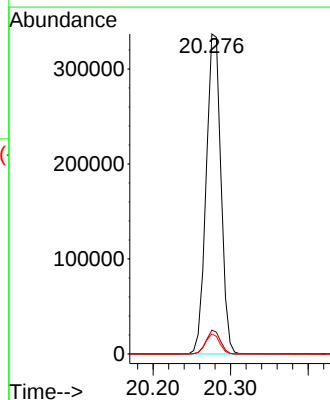
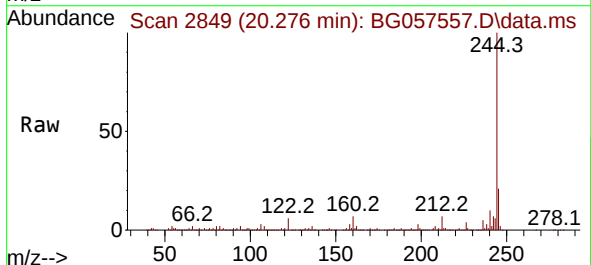
Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001

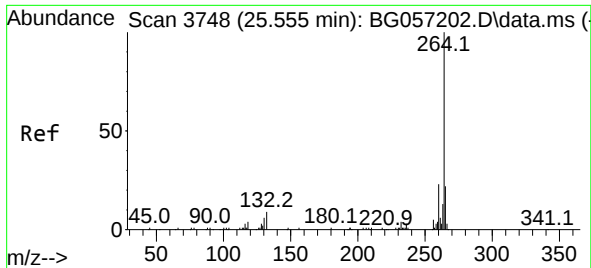
Tgt Ion:184 Resp: 6606  
Ion Ratio Lower Upper  
184 100  
185 21.8 11.1 16.7#  
183 8.7 9.9 14.9#



#79  
Terphenyl-d14  
Concen: 56.227 ng  
RT: 20.276 min Scan# 2849  
Delta R.T. -0.015 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

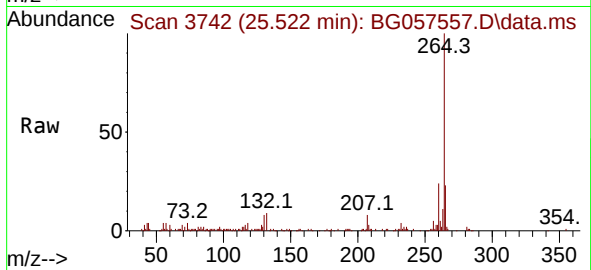
Tgt Ion:244 Resp: 444669  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.1 9.1  
122 6.2 5.1 7.7





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.522 min Scan# 31  
Delta R.T. -0.021 min  
Lab File: BG057557.D  
Acq: 25 May 2023 14:14

Instrument :  
BNA\_G  
ClientSampleId :  
TILCON-CLEANFILL-001



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 140459    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.9  | 18.8 28.2 |
| 265         | 23.4  | 17.9 26.9 |

