

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042924\  
 Data File : BG061053.D  
 Acq On : 29 Apr 2024 19:06  
 Operator : MA/JU  
 Sample : P2230-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL

Quant Time: Apr 30 01:22:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 22 04:22:00 2024  
 Response via : Initial Calibration

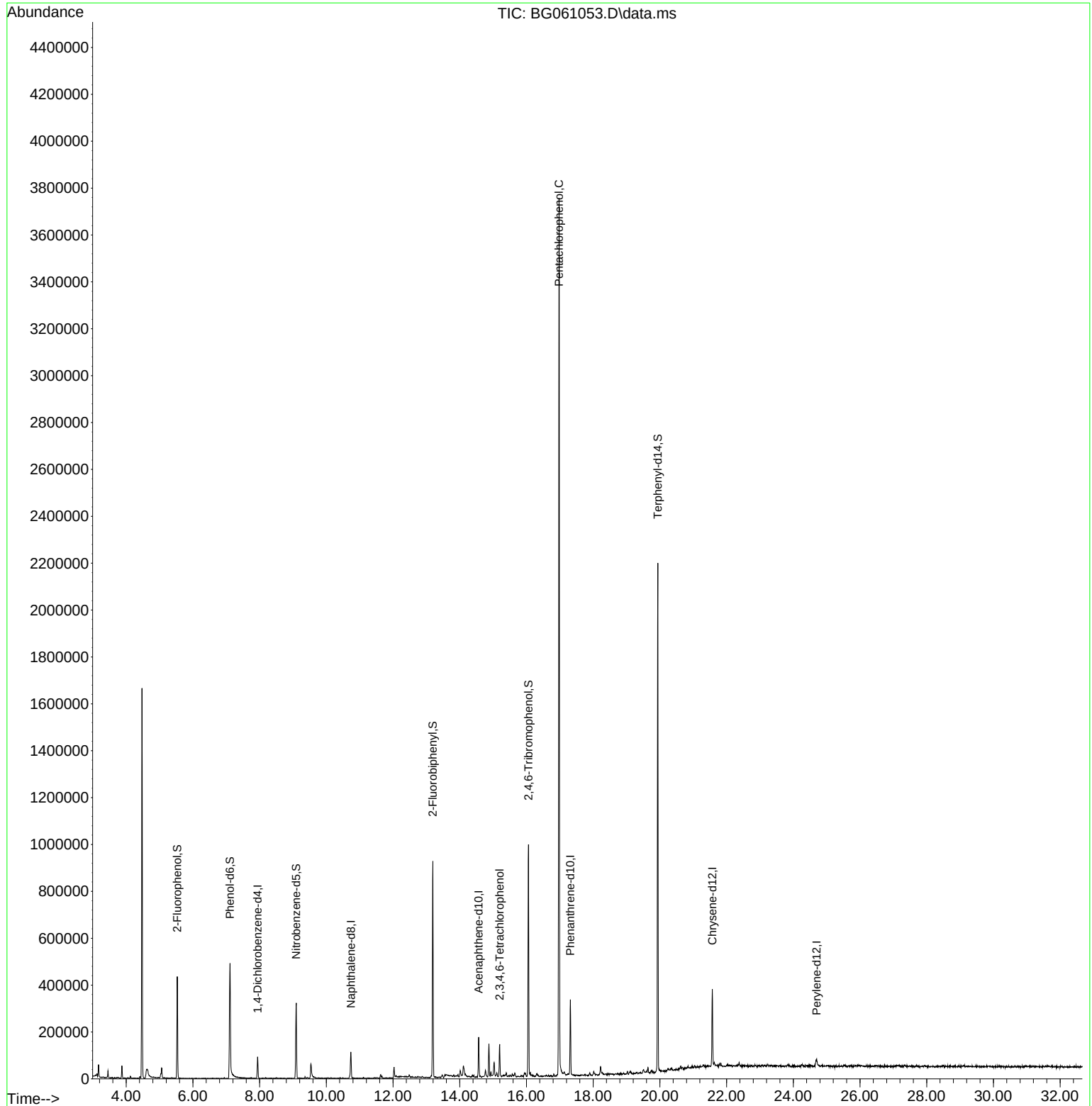
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 22332    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.737 | 136  | 86939    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.568 | 164  | 54220    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.318 | 188  | 199760   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.572 | 240  | 185329   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.697 | 264  | 24873    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.532  | 112  | 145522   | 131.808 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 159851   | 97.583  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 157248   | 81.264  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.061 | 330  | 215489   | 180.987 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.193 | 172  | 463395   | 118.285 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.938 | 244  | 1122015  | 93.975  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 59) 2,3,4,6-Tetrachlorophenol | 15.197 | 232  | 29812    | 19.715  | ng    | 97       |
| 70) Pentachlorophenol         | 16.977 | 266  | 787235   | 412.274 | ng    | 97       |
| -----                         |        |      |          |         |       |          |

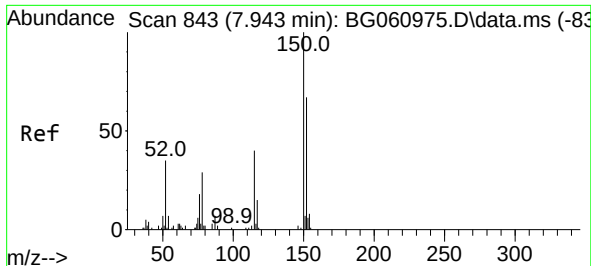
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042924\  
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QLast Update : Mon Apr 22 04:22:00 2024  
Response via : Initial Calibration



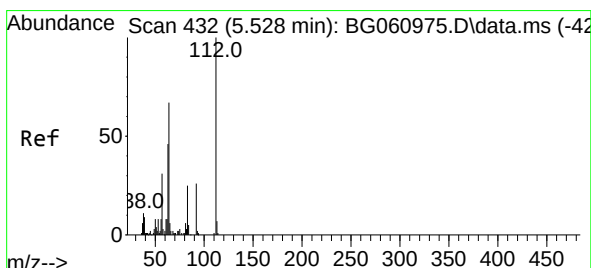
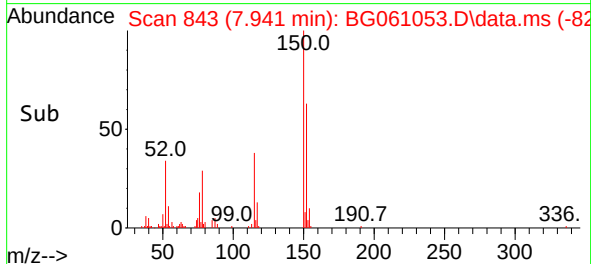
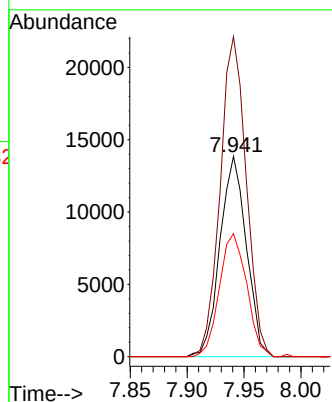
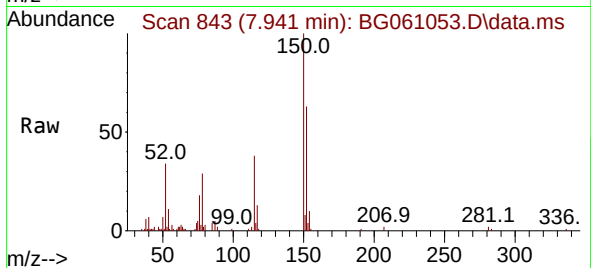


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.941 min Scan# 84  
 Delta R.T. -0.002 min  
 Lab File: BG061053.D  
 Acq: 29 Apr 2024 19:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL

Tgt Ion:152 Resp: 22332  

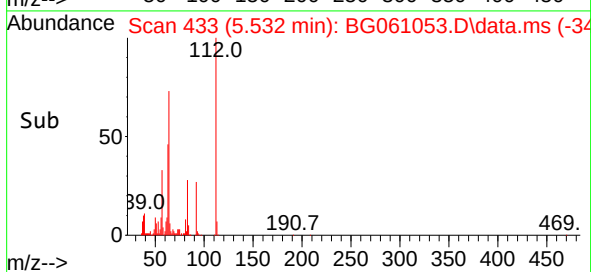
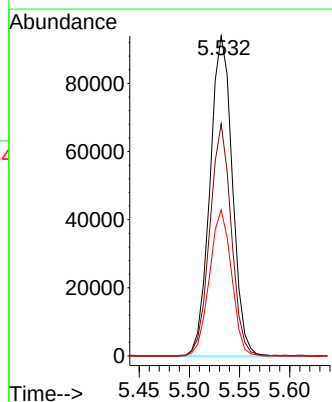
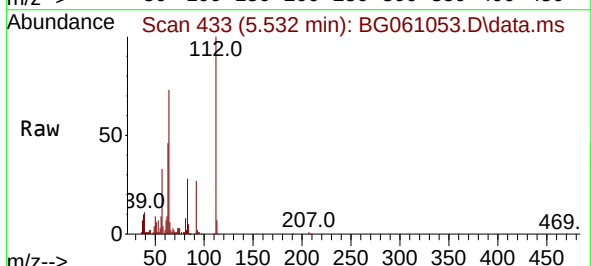
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 159.8 | 118.6 | 178.0 |
| 115 | 61.4  | 47.4  | 71.0  |

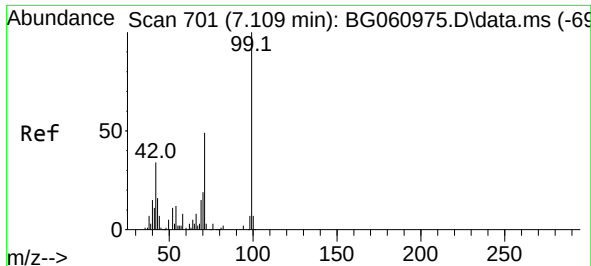


#5  
 2-Fluorophenol  
 Concen: 131.808 ng  
 RT: 5.532 min Scan# 433  
 Delta R.T. 0.004 min  
 Lab File: BG061053.D  
 Acq: 29 Apr 2024 19:06

Tgt Ion:112 Resp: 145522  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 72.6  | 53.7  | 80.5  |
| 63  | 45.6  | 37.0  | 55.6  |

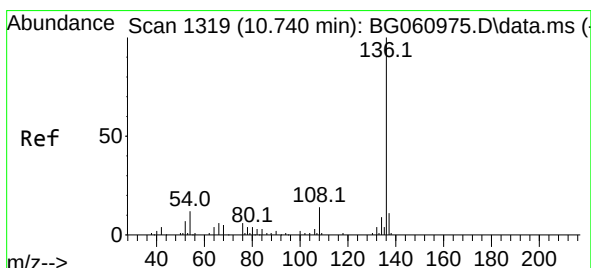
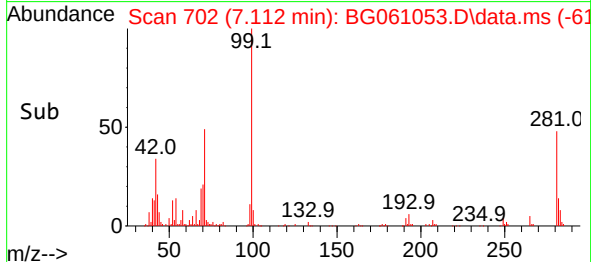
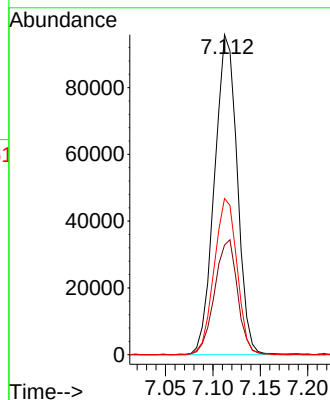
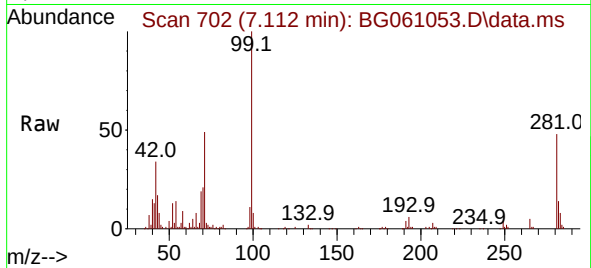




#7  
Phenol-d6  
Concen: 97.583 ng  
RT: 7.112 min Scan# 701  
Delta R.T. 0.004 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

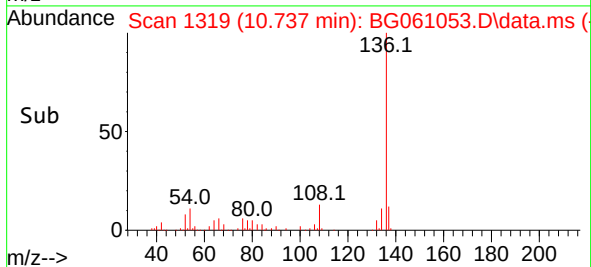
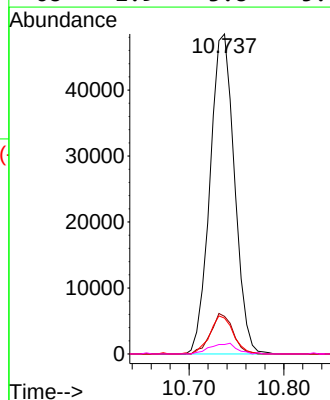
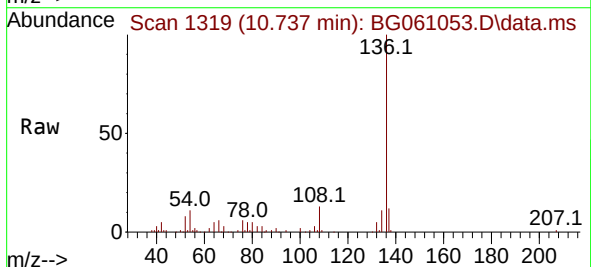
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

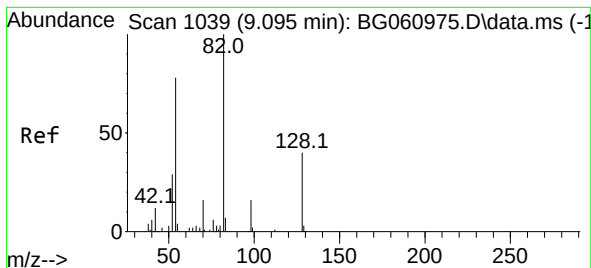
Tgt Ion: 99 Resp: 159851  
Ion Ratio Lower Upper  
99 100  
42 34.3 27.2 40.8  
71 48.8 38.8 58.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.737 min Scan# 1319  
Delta R.T. -0.003 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

Tgt Ion: 136 Resp: 86939  
Ion Ratio Lower Upper  
136 100  
137 11.7 8.5 12.7  
54 11.2 9.4 14.0  
68 2.9 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 81.264 ng

RT: 9.098 min Scan# 1040

Delta R.T. 0.004 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

Instrument :

BNA\_G

ClientSampleId :

SOIL

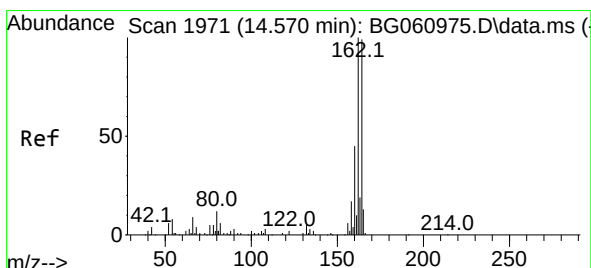
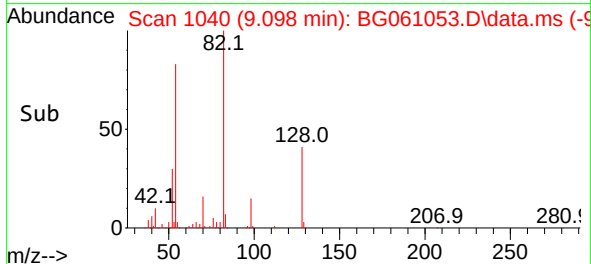
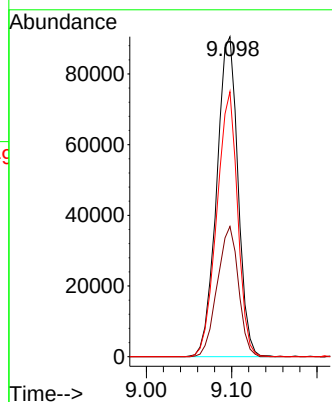
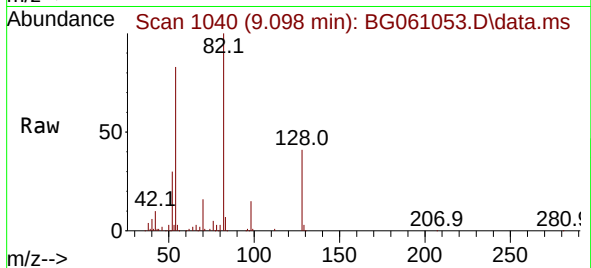
Tgt Ion: 82 Resp: 157248

Ion Ratio Lower Upper

82 100

128 40.7 32.1 48.1

54 82.8 62.3 93.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.002 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

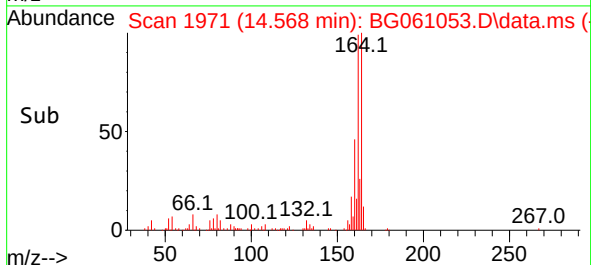
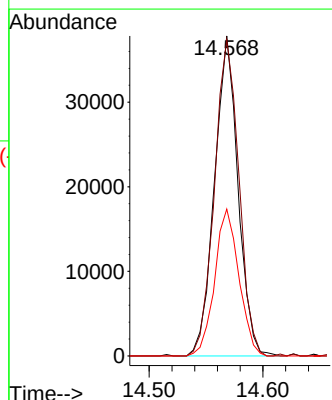
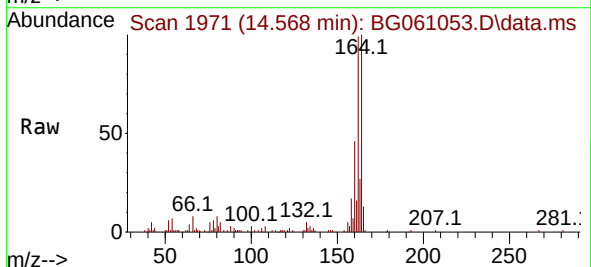
Tgt Ion:164 Resp: 54220

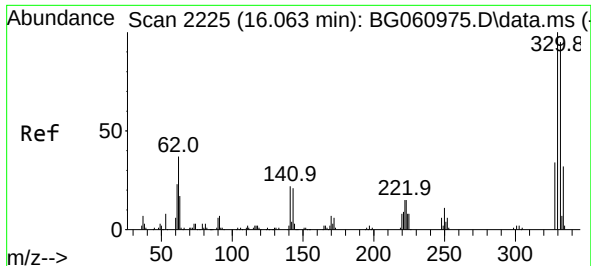
Ion Ratio Lower Upper

164 100

162 98.9 81.2 121.8

160 45.9 36.2 54.2

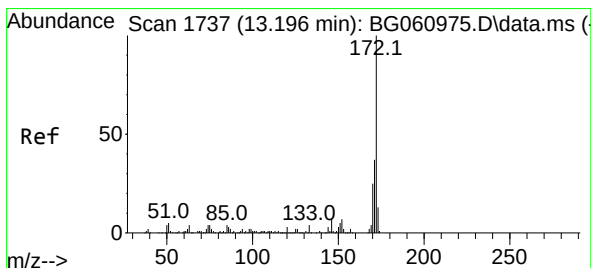
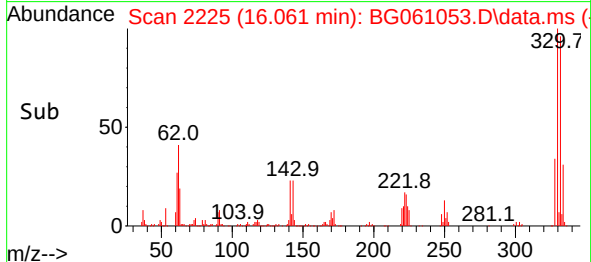
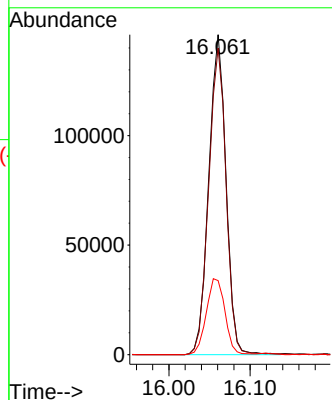
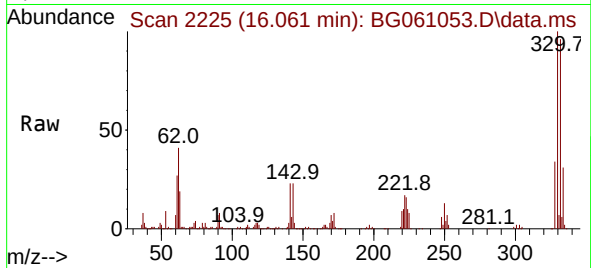




#42  
2,4,6-Tribromophenol  
Concen: 180.987 ng  
RT: 16.061 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

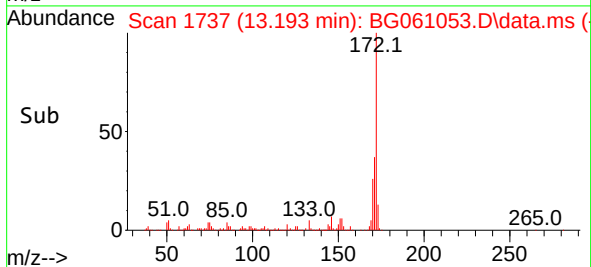
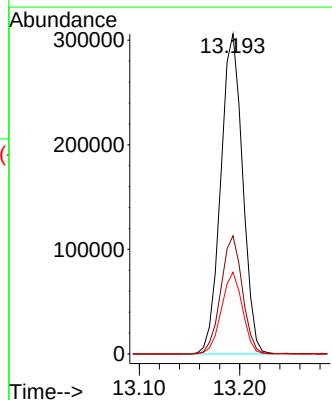
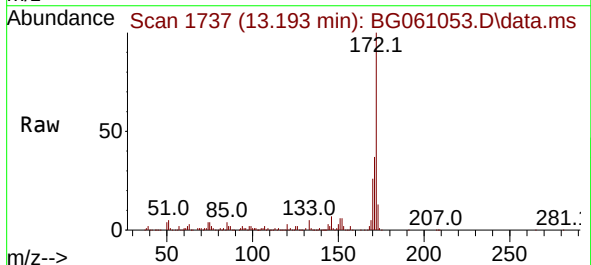
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

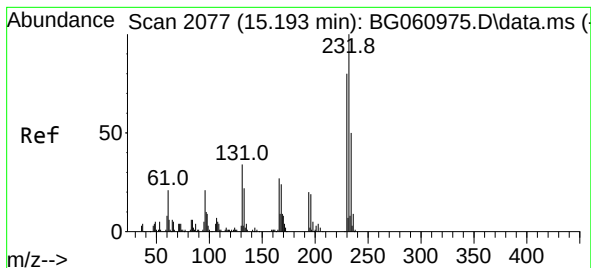
Tgt Ion:330 Resp: 215489  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.1 115.7  
141 25.7 20.6 31.0



#45  
2-Fluorobiphenyl  
Concen: 118.285 ng  
RT: 13.193 min Scan# 1737  
Delta R.T. -0.002 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

Tgt Ion:172 Resp: 463395  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.3 43.9  
170 25.5 20.1 30.1

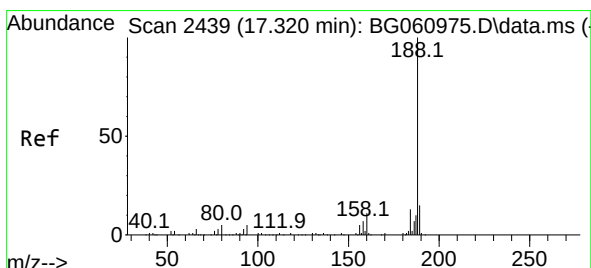
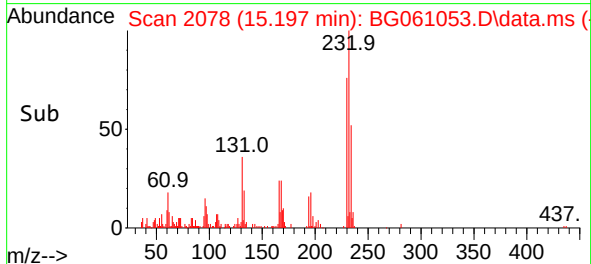
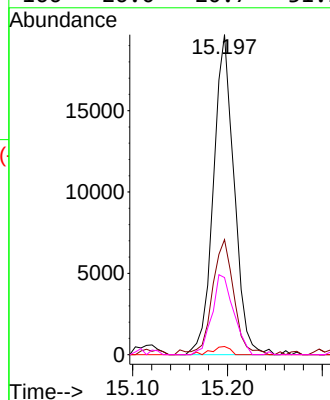
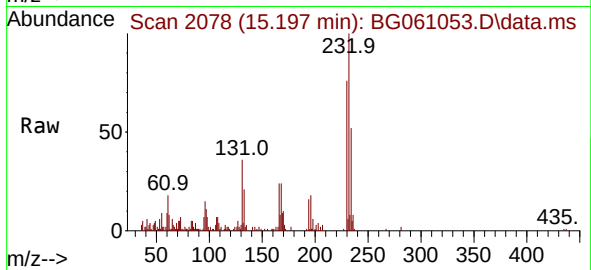




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 19.715 ng  
RT: 15.197 min Scan# 2077  
Delta R.T. 0.004 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

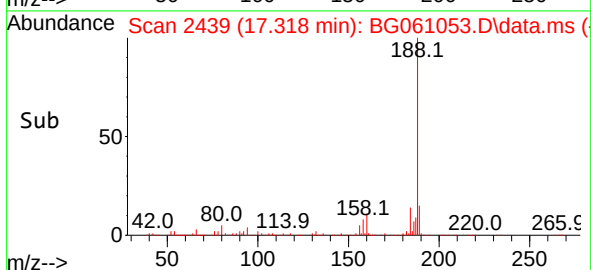
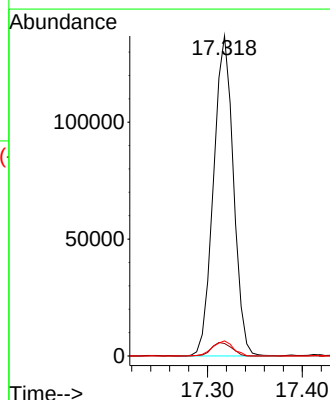
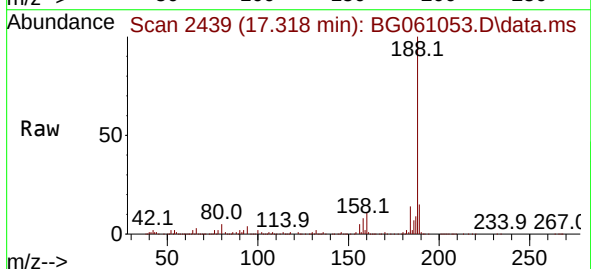
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

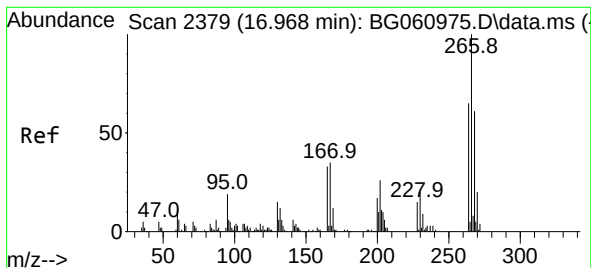
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 29812 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 37.6  | 27.4  | 41.0  |
| 130       | 2.3   | 1.5   | 2.3   |
| 166       | 26.0  | 20.7  | 31.1  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.318 min Scan# 2439  
Delta R.T. -0.002 min  
Lab File: BG061053.D  
Acq: 29 Apr 2024 19:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 199760 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 3.9   | 4.1   | 6.1#   |
| 80        | 4.7   | 4.0   | 6.0    |





#70

Pentachlorophenol

Concen: 412.274 ng

RT: 16.977 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

Instrument :

BNA\_G

ClientSampleId :

SOIL

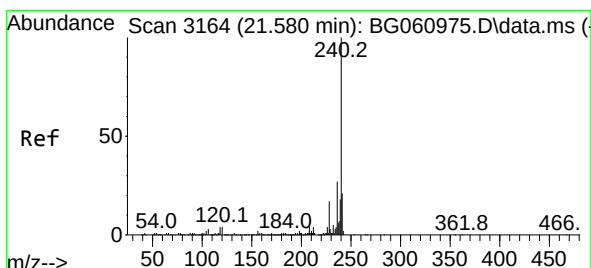
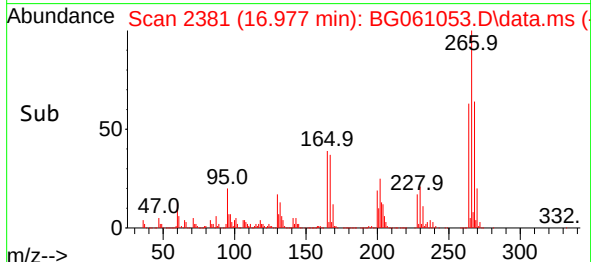
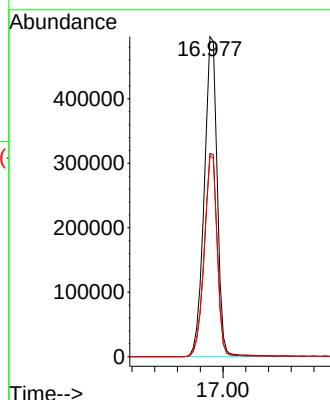
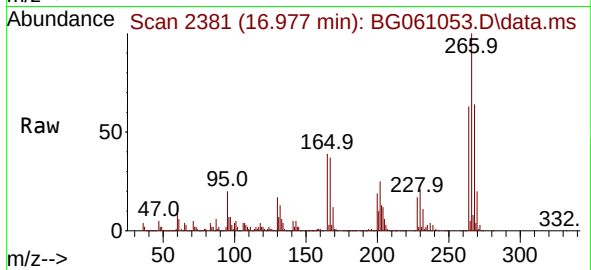
Tgt Ion:266 Resp: 787235

Ion Ratio Lower Upper

266 100

268 63.5 49.1 73.7

264 62.9 52.2 78.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.008 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

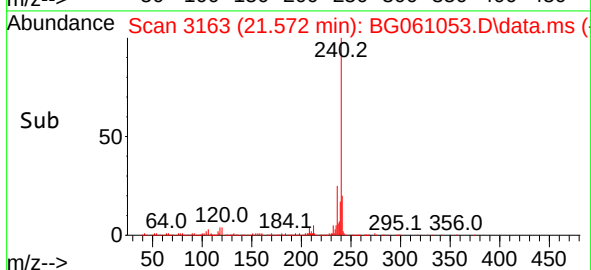
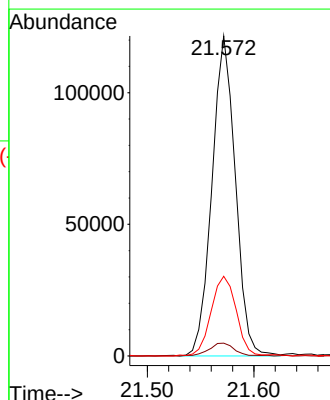
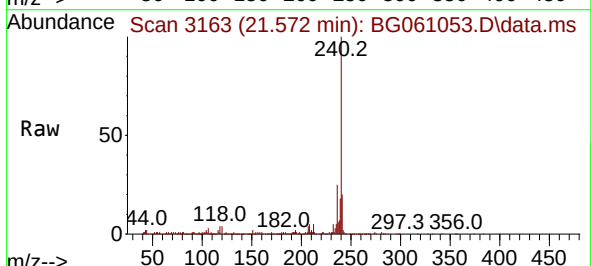
Tgt Ion:240 Resp: 185329

Ion Ratio Lower Upper

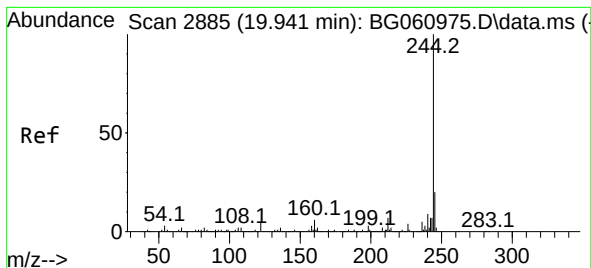
240 100

120 4.0 3.0 4.6

236 24.9 21.8 32.6







#79

Terphenyl-d14

Concen: 93.975 ng

RT: 19.938 min Scan# 2

Delta R.T. -0.002 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

Instrument :

BNA\_G

ClientSampleId :

SOIL

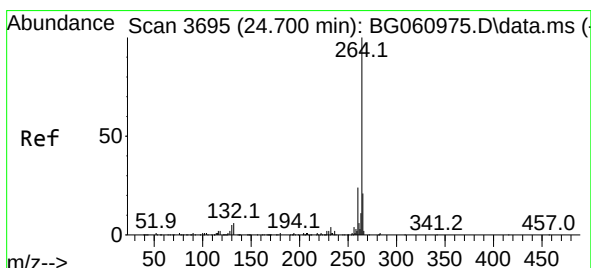
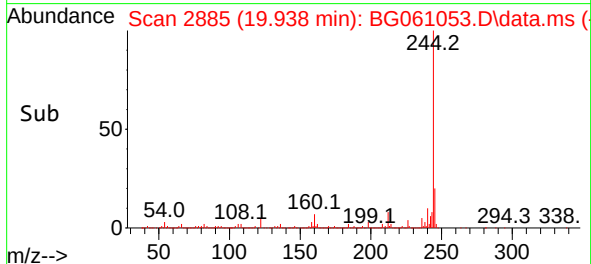
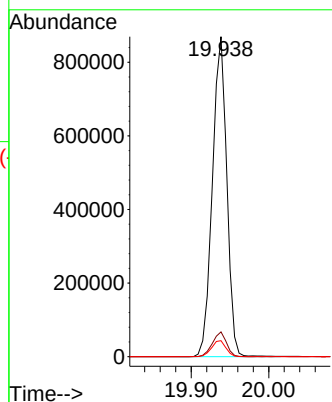
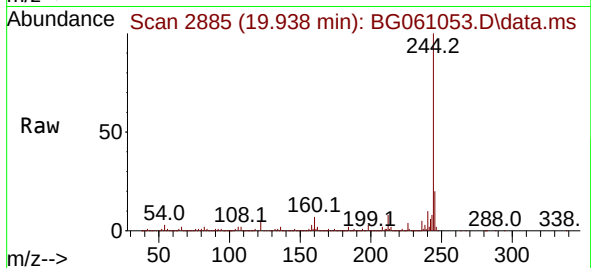
Tgt Ion:244 Resp: 1122015

Ion Ratio Lower Upper

244 100

212 7.8 5.9 8.9

122 5.0 4.2 6.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3695

Delta R.T. -0.002 min

Lab File: BG061053.D

Acq: 29 Apr 2024 19:06

Tgt Ion:264 Resp: 24873

Ion Ratio Lower Upper

264 100

260 22.3 19.4 29.2

265 23.5 17.0 25.4

