

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041824\  
 Data File : BG060952.D  
 Acq On : 19 Apr 2024 2:04  
 Operator : MA/JU  
 Sample : P2151-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL

Quant Time: Apr 19 04:14:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG041724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 02:02:19 2024  
 Response via : Initial Calibration

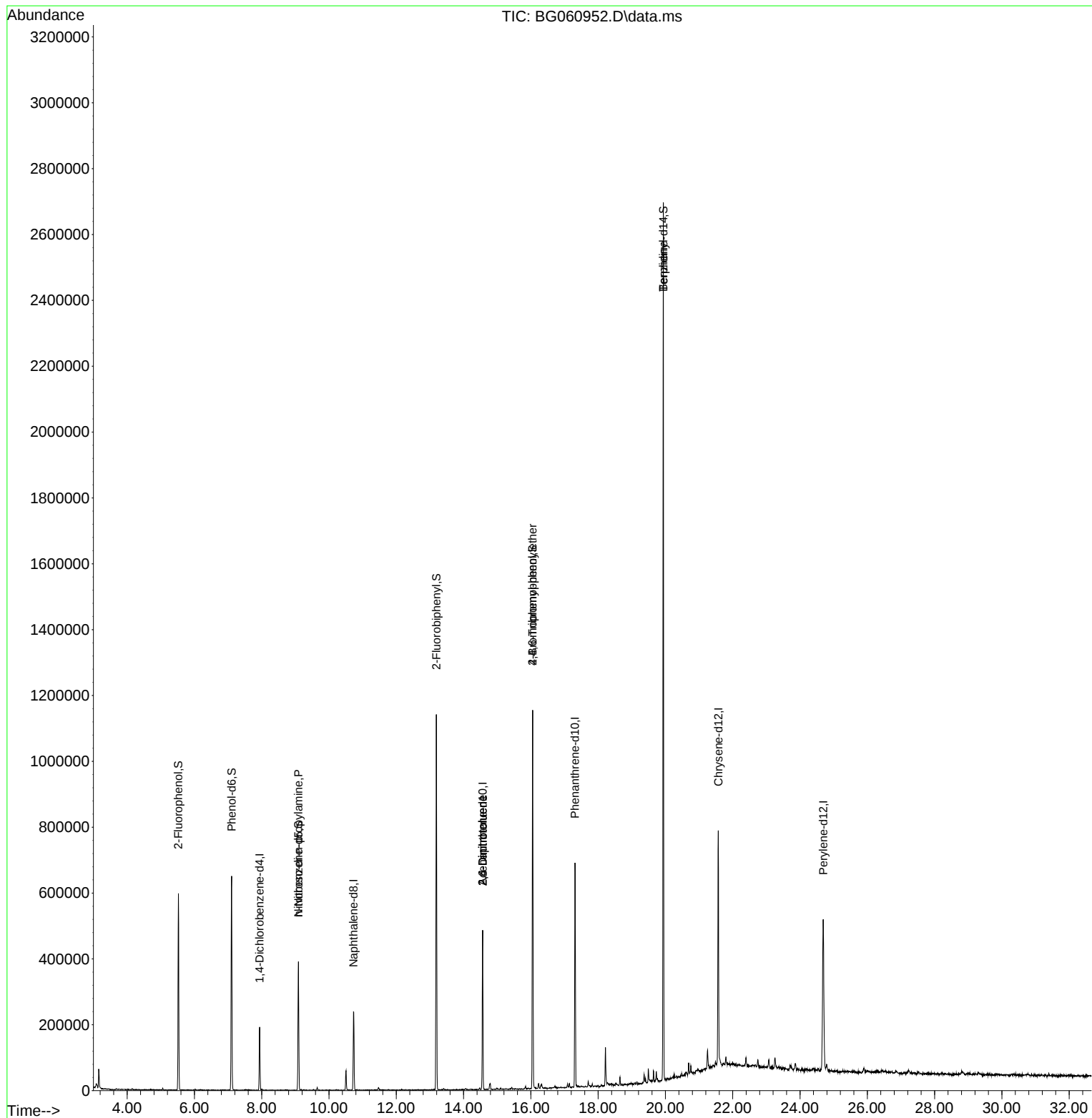
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.939  | 152  | 49856    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.730 | 136  | 193865   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.566 | 164  | 171093   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.310 | 188  | 442833   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.570 | 240  | 423659   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.690 | 264  | 507145   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.524  | 112  | 224389   | 78.177 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.105  | 99   | 333699   | 80.704 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.090  | 82   | 206649   | 48.391 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.053 | 330  | 229122   | 81.062 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.192 | 172  | 589521   | 50.563 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.937 | 244  | 1318463  | 54.313 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.090  | 70   | 28298    | 8.985  | ng    | # 76     |
| 51) 2,6-Dinitrotoluene        | 14.566 | 165  | 22227    | 8.032  | ng    | # 20     |
| 57) 2,4-Dinitrotoluene        | 14.566 | 165  | 22227    | 5.621  | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 16.053 | 248  | 15772    | 3.179  | ng    | # 1      |
| 77) Benzidine                 | 19.937 | 184  | 19245    | 2.059  | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

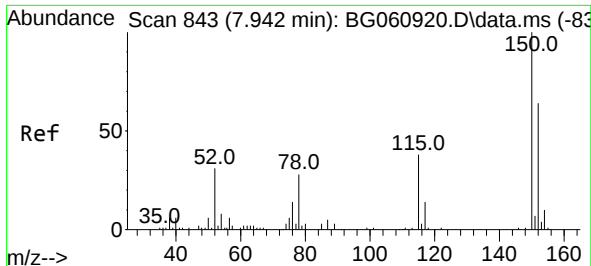
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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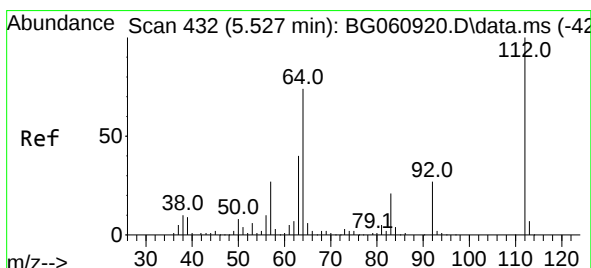
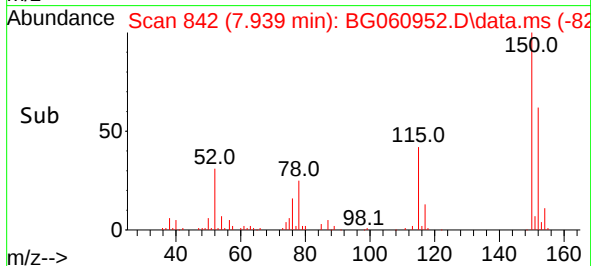
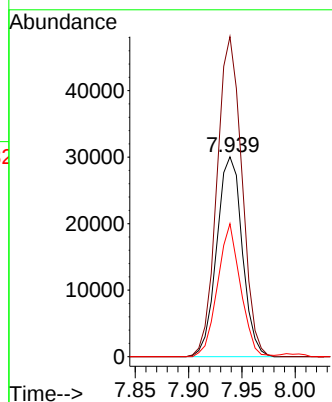
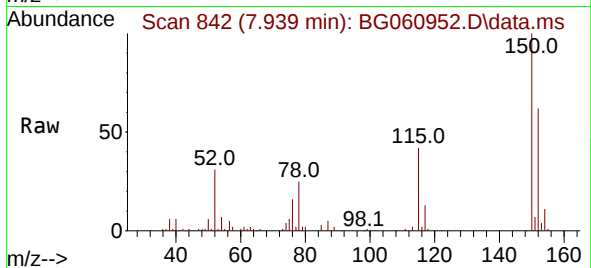




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.939 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

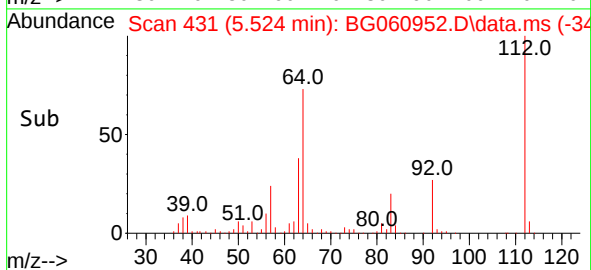
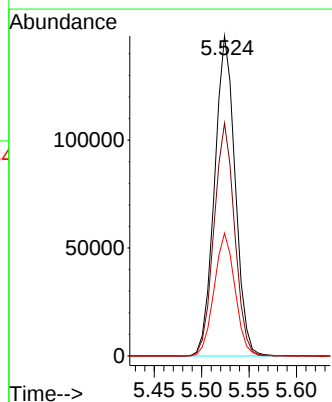
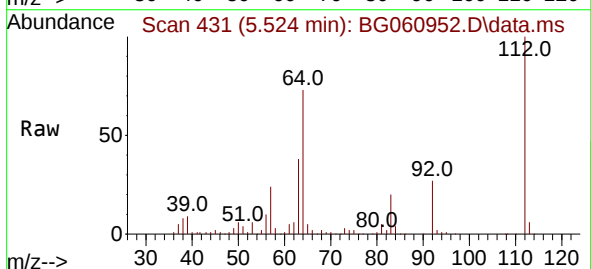
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

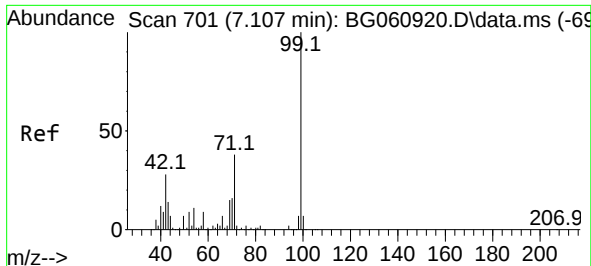
Tgt Ion:152 Resp: 49856  
Ion Ratio Lower Upper  
152 100  
150 160.1 125.6 188.4  
115 66.5 47.1 70.7



#5  
2-Fluorophenol  
Concen: 78.177 ng  
RT: 5.524 min Scan# 431  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion:112 Resp: 224389  
Ion Ratio Lower Upper  
112 100  
64 72.8 58.9 88.3  
63 38.3 32.1 48.1

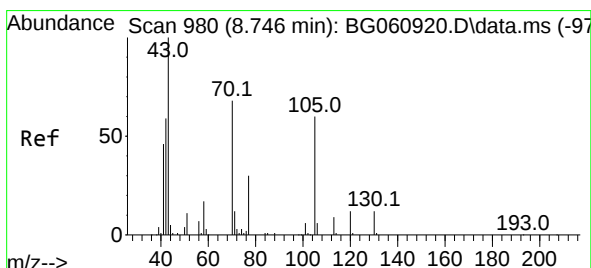
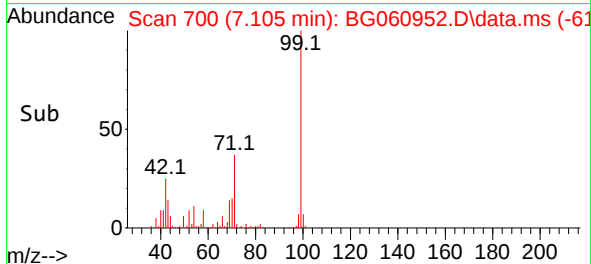
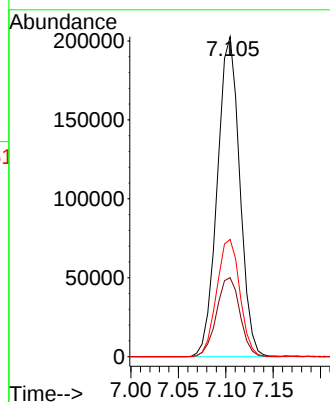
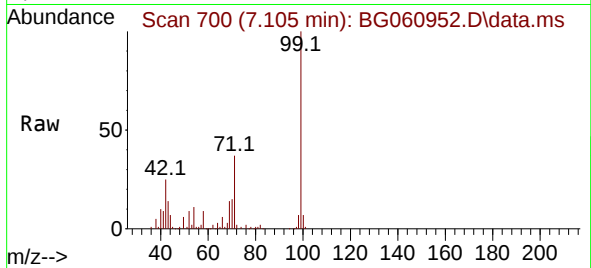




#7  
Phenol-d6  
Concen: 80.704 ng  
RT: 7.105 min Scan# 701  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

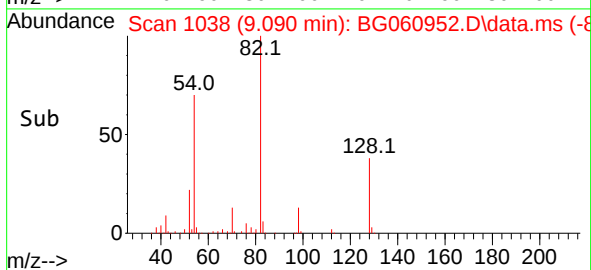
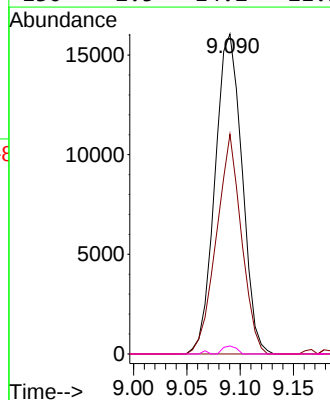
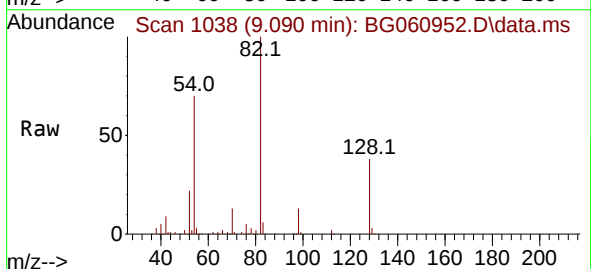
Instrument :  
BNA\_G  
ClientSampleId :  
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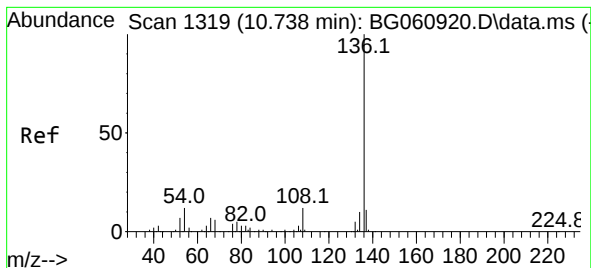
Tgt Ion: 99 Resp: 333699  
Ion Ratio Lower Upper  
99 100  
42 24.7 22.2 33.2  
71 36.6 30.5 45.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.985 ng  
RT: 9.090 min Scan# 1038  
Delta R.T. 0.344 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion: 70 Resp: 28298  
Ion Ratio Lower Upper  
70 100  
42 68.7 70.9 106.3#  
101 0.0 7.0 10.4#  
130 2.5 14.2 21.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.730 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG060952.D

Acq: 19 Apr 2024 2:04

Instrument :

BNA\_G

ClientSampleId :

SOIL

Tgt Ion:136 Resp: 193865

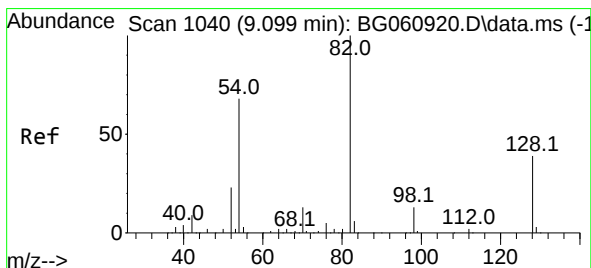
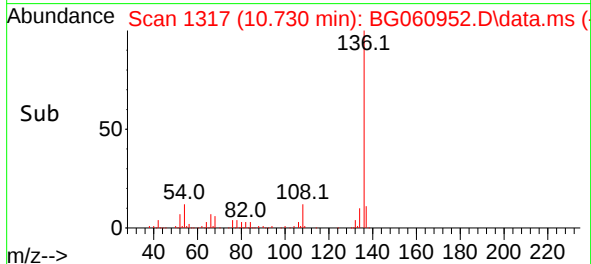
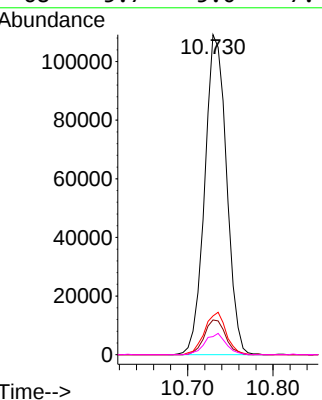
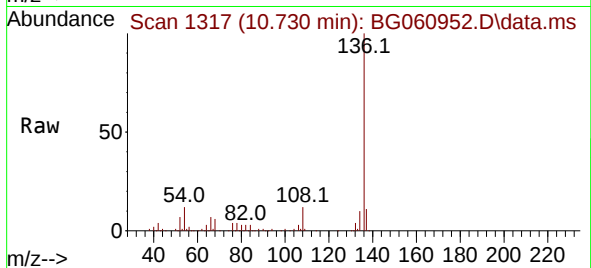
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 12.1 9.8 14.8

68 5.7 5.0 7.4



#23

Nitrobenzene-d5

Concen: 48.391 ng

RT: 9.090 min Scan# 1038

Delta R.T. -0.009 min

Lab File: BG060952.D

Acq: 19 Apr 2024 2:04

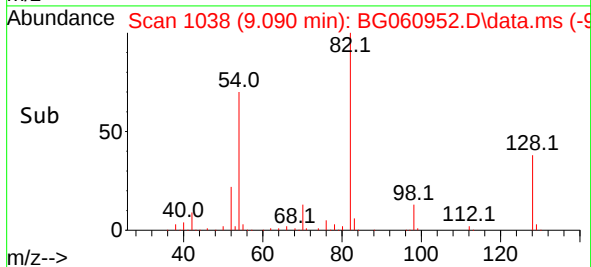
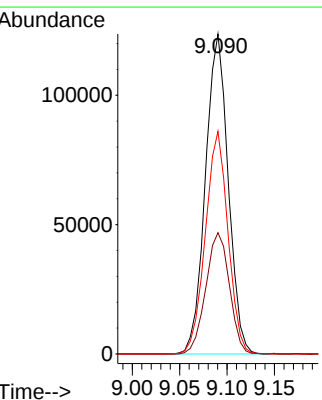
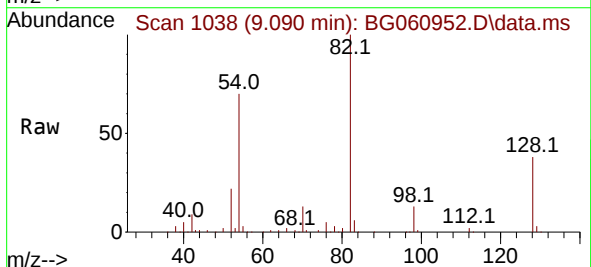
Tgt Ion: 82 Resp: 206649

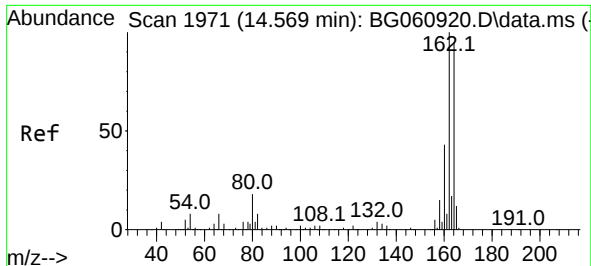
Ion Ratio Lower Upper

82 100

128 37.9 31.4 47.0

54 69.5 54.2 81.4

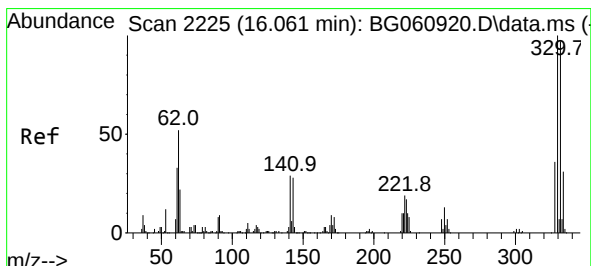
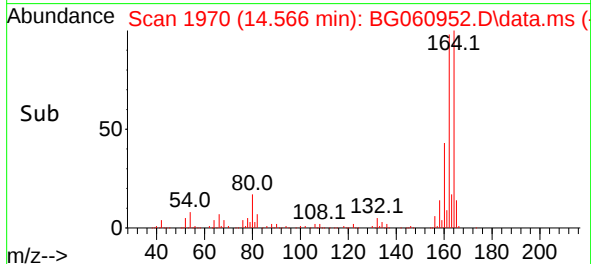
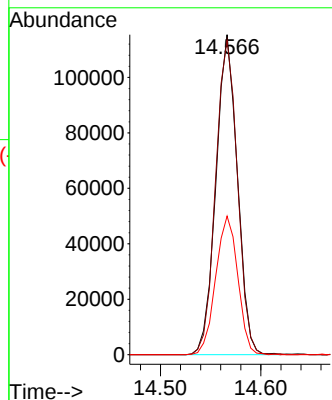
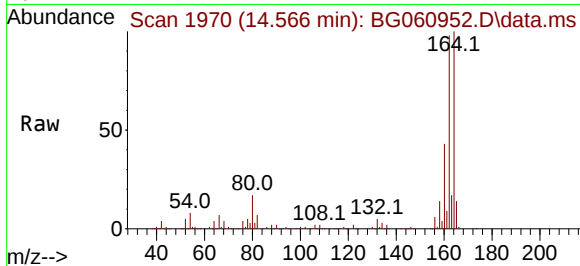




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.566 min Scan# 1971  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

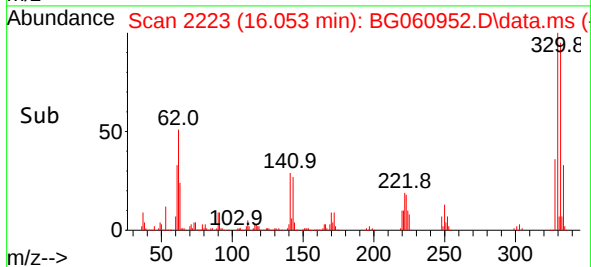
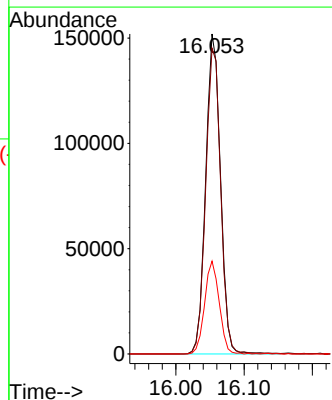
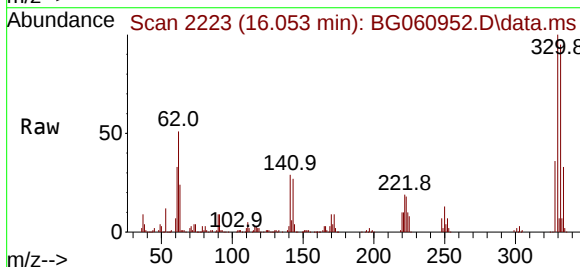
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

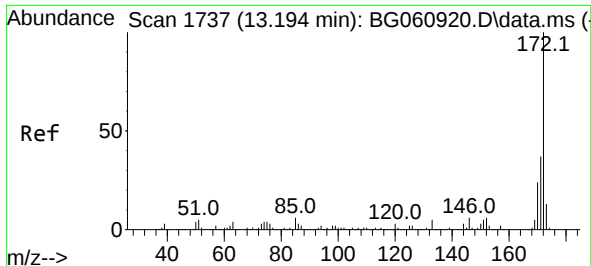
Tgt Ion:164 Resp: 171093  
Ion Ratio Lower Upper  
164 100  
162 98.3 84.1 126.1  
160 43.3 35.9 53.9



#42  
2,4,6-Tribromophenol  
Concen: 81.062 ng  
RT: 16.053 min Scan# 2223  
Delta R.T. -0.009 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion:330 Resp: 229122  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.9 115.3  
141 28.7 23.7 35.5

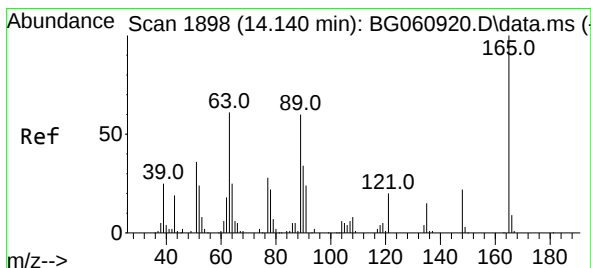
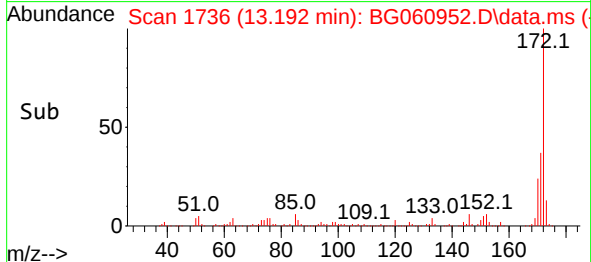
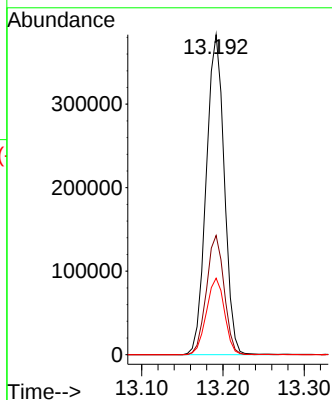
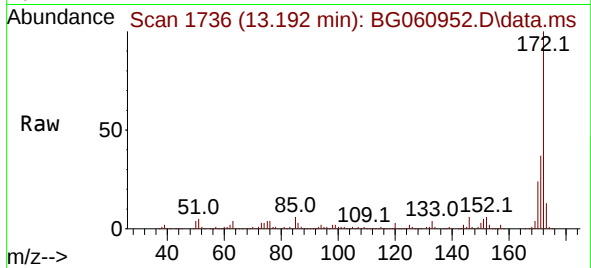




#45  
2-Fluorobiphenyl  
Concen: 50.563 ng  
RT: 13.192 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

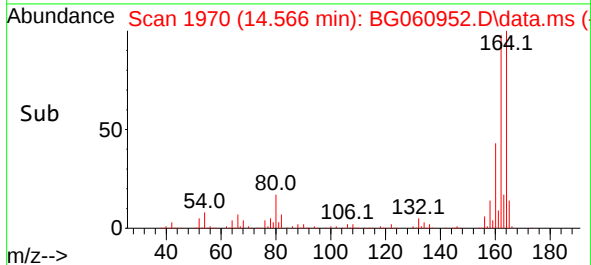
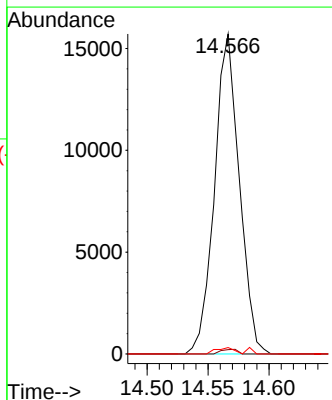
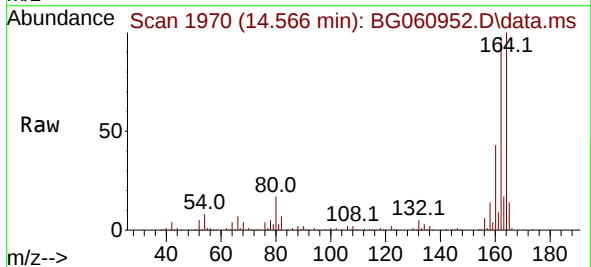
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

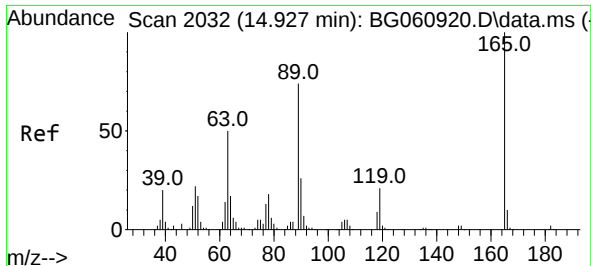
Tgt Ion:172 Resp: 589521  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.3 43.9  
170 23.9 19.5 29.3



#51  
2,6-Dinitrotoluene  
Concen: 8.032 ng  
RT: 14.566 min Scan# 1970  
Delta R.T. 0.426 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion:165 Resp: 22227  
Ion Ratio Lower Upper  
165 100  
63 1.3 53.8 80.8#  
89 2.0 48.2 72.4#





#57

2,4-Dinitrotoluene

Concen: 5.621 ng

RT: 14.566 min Scan# 1970

Delta R.T. -0.361 min

Lab File: BG060952.D

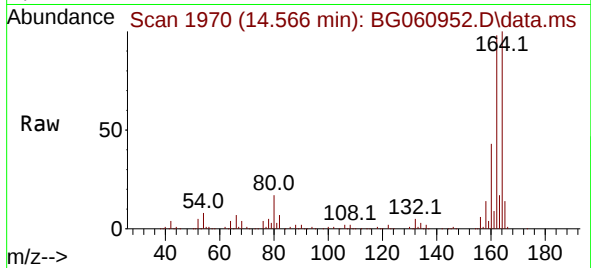
Acq: 19 Apr 2024 2:04

Instrument :

BNA\_G

ClientSampleId :

SOIL



Tgt Ion:165 Resp: 22227

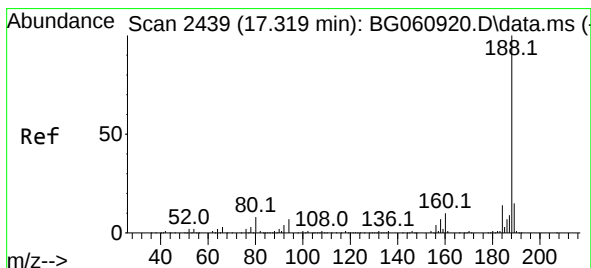
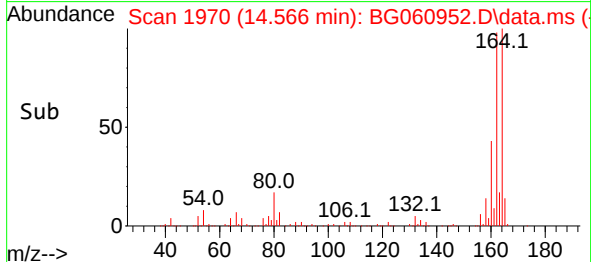
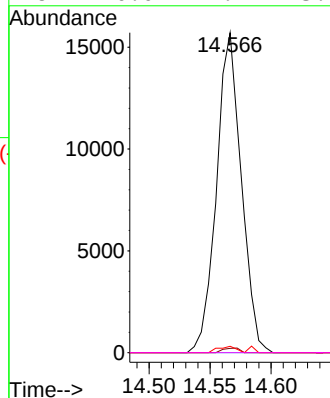
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.2#

89 2.0 59.0 88.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.310 min Scan# 2437

Delta R.T. -0.009 min

Lab File: BG060952.D

Acq: 19 Apr 2024 2:04

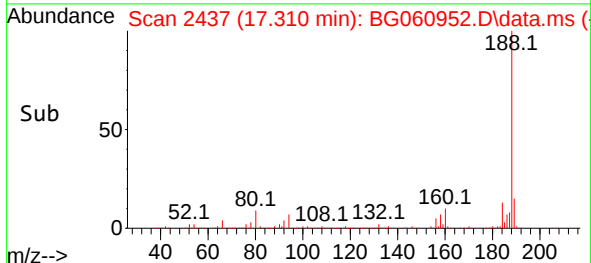
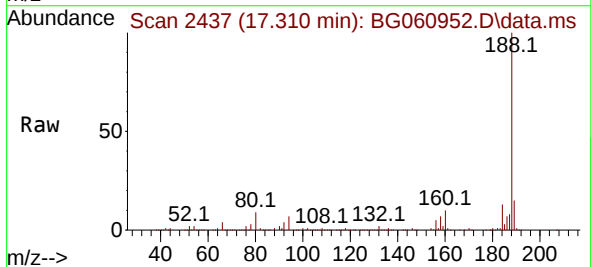
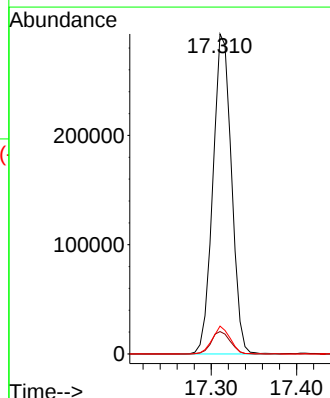
Tgt Ion:188 Resp: 442833

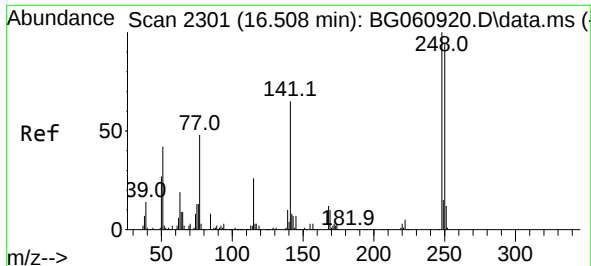
Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 8.7 6.6 9.8

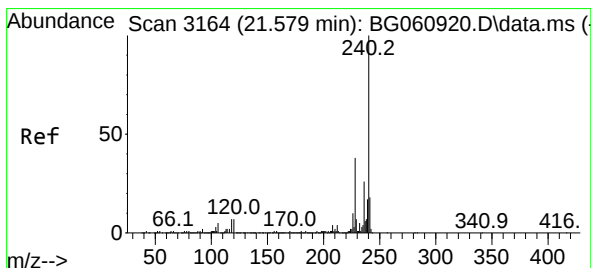
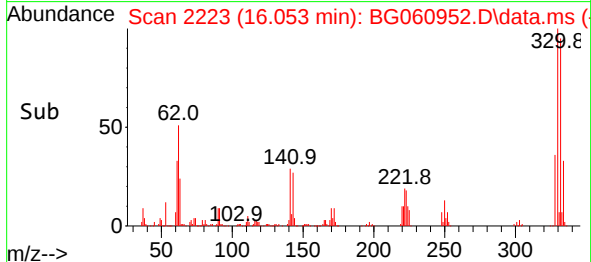
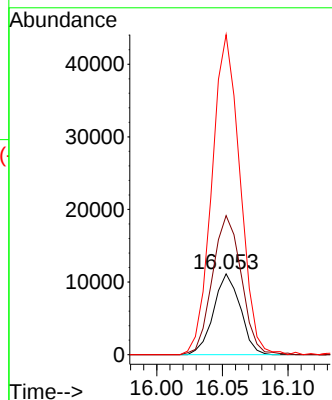
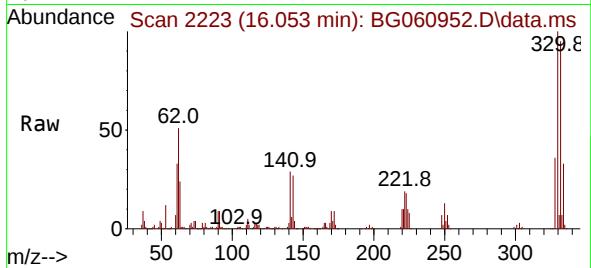




#67  
4-Bromophenyl-phenylether  
Concen: 3.179 ng  
RT: 16.053 min Scan# 21  
Delta R.T. -0.455 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

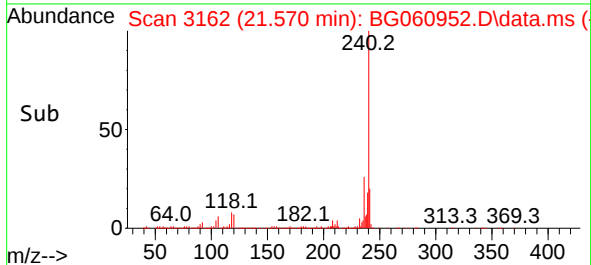
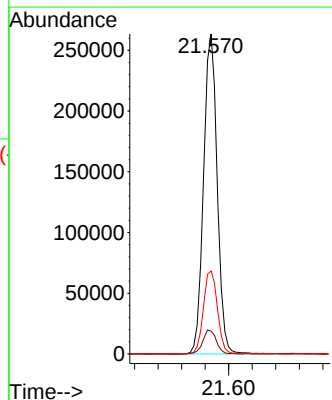
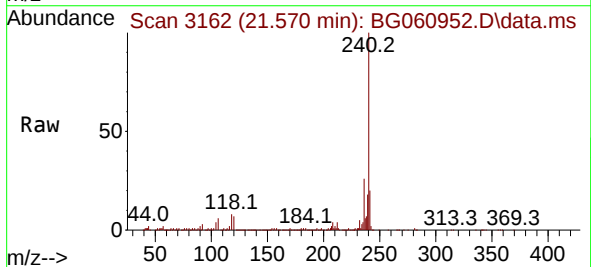
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

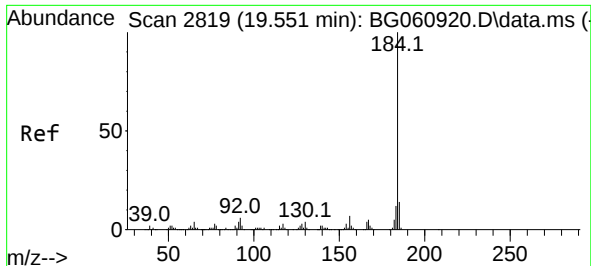
Tgt Ion:248 Resp: 15772  
Ion Ratio Lower Upper  
248 100  
250 172.1 75.4 113.2#  
141 396.3 52.2 78.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.570 min Scan# 3162  
Delta R.T. -0.009 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion:240 Resp: 423659  
Ion Ratio Lower Upper  
240 100  
120 7.1 5.7 8.5  
236 26.0 21.1 31.7

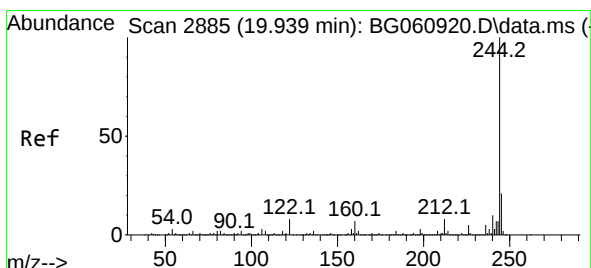
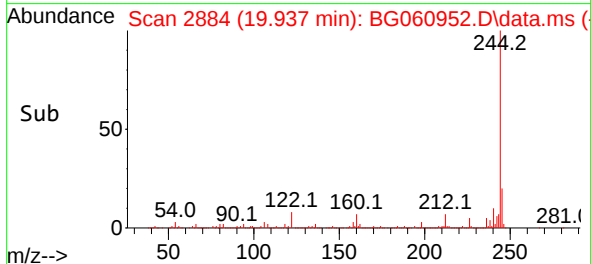
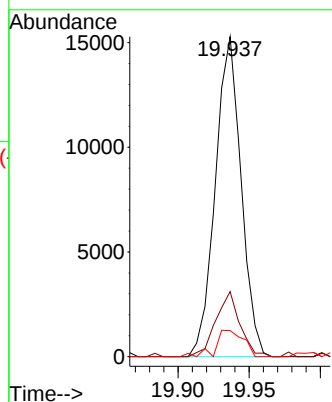
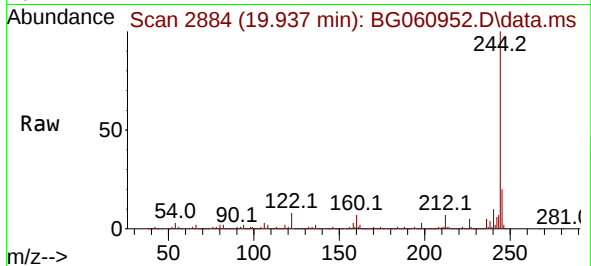




#77  
Benzidine  
Concen: 2.059 ng  
RT: 19.937 min Scan# 21  
Delta R.T. 0.385 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

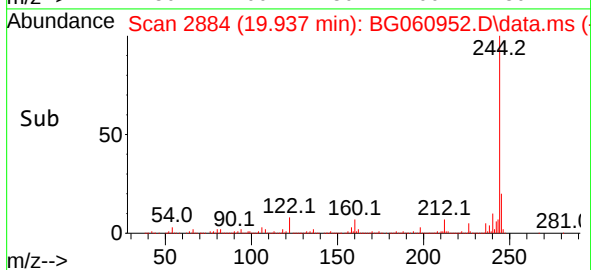
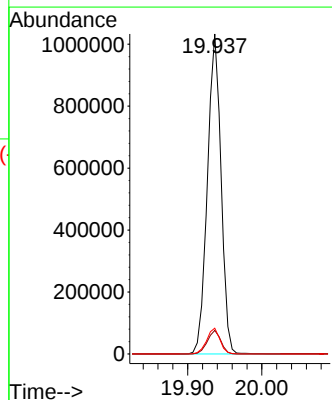
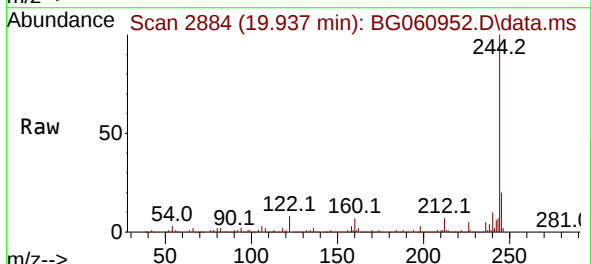
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL

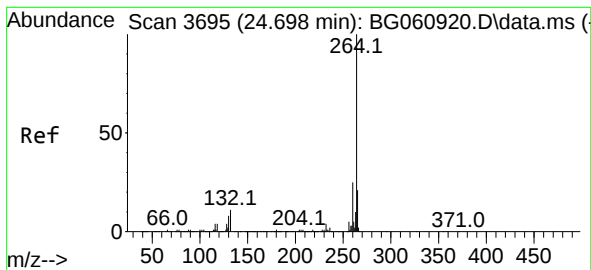
Tgt Ion:184 Resp: 19245  
Ion Ratio Lower Upper  
184 100  
185 20.3 11.4 17.0#  
183 8.2 9.4 14.2#



#79  
Terphenyl-d14  
Concen: 54.313 ng  
RT: 19.937 min Scan# 2884  
Delta R.T. -0.003 min  
Lab File: BG060952.D  
Acq: 19 Apr 2024 2:04

Tgt Ion:244 Resp: 1318463  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.2 9.4  
122 8.0 6.6 9.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.690 min Scan# 30  
 Delta R.T. -0.009 min  
 Lab File: BG060952.D  
 Acq: 19 Apr 2024 2:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL

Tgt Ion:264 Resp: 507145  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.6 29.4  
 265 21.1 16.6 25.0

