

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
 Data File : BG051049.D  
 Acq On : 15 Nov 2021 20:05  
 Operator : CG/JU  
 Sample : M4674-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MF-SOIL-P4

Quant Time: Nov 16 00:40:55 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 15 03:55:35 2021  
 Response via : Initial Calibration

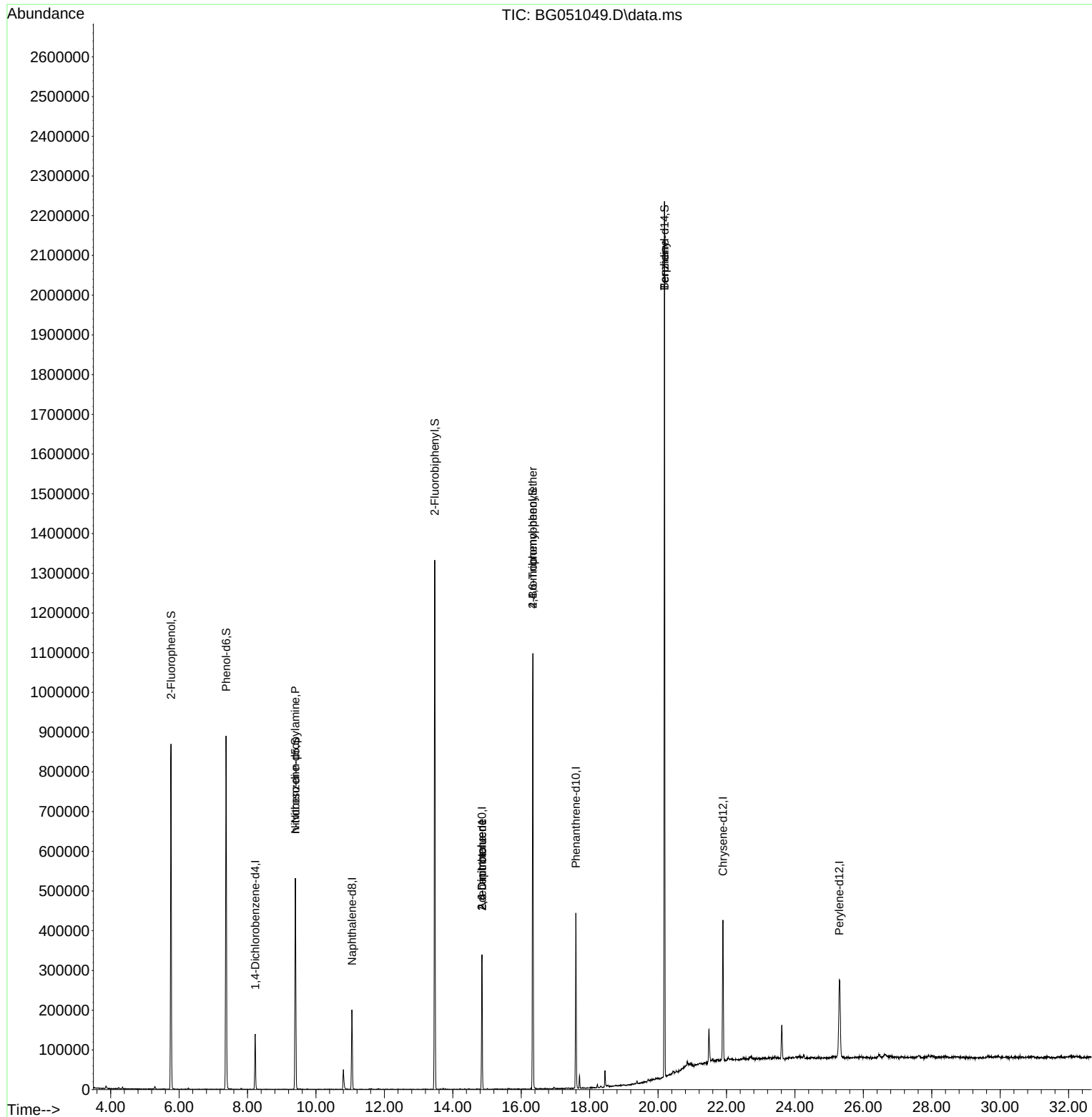
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.226  | 152  | 37456    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.052 | 136  | 169406   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.853 | 164  | 119223   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.597 | 188  | 268583   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.898 | 240  | 218303   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.300 | 264  | 212170   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.764  | 112  | 377443   | 150.742 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.374  | 99   | 507387   | 143.567 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.401  | 82   | 344736   | 90.081  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.340 | 330  | 166691   | 139.713 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.473 | 172  | 663509   | 87.933  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.188 | 244  | 976836   | 81.877  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.401  | 70   | 48035    | 18.392  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 14.853 | 165  | 15100    | 7.821   | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 14.853 | 165  | 15100    | 5.512   | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 16.340 | 248  | 13546    | 4.815   | ng    | # 1      |
| 77) Benzidine                 | 20.188 | 184  | 18204    | 4.412   | ng    | 96       |
| -----                         |        |      |          |         |       |          |

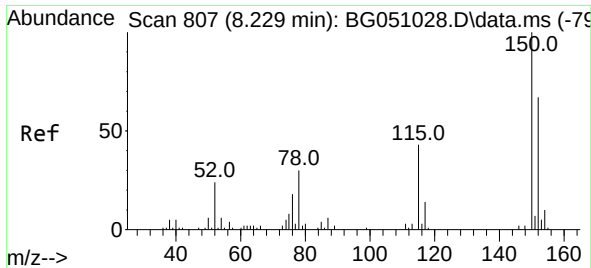
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
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Sample : M4674-07  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 15 03:55:35 2021  
Response via : Initial Calibration

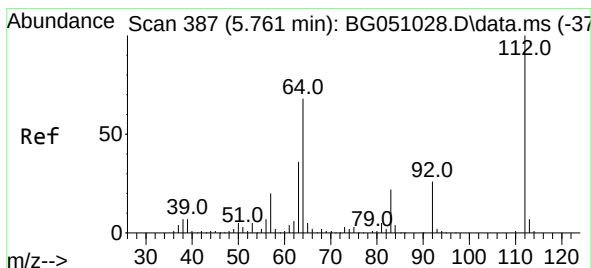
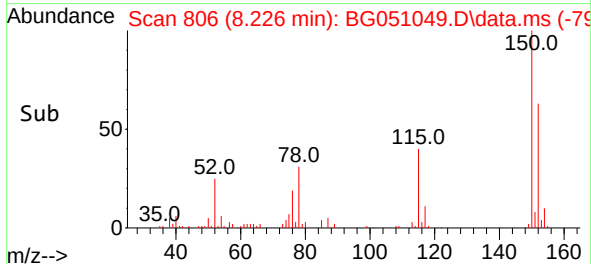
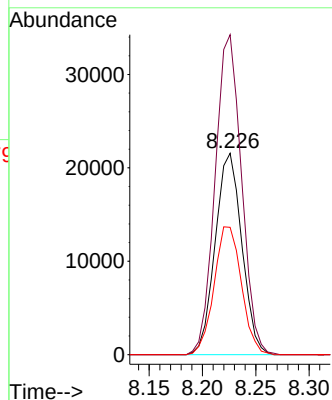
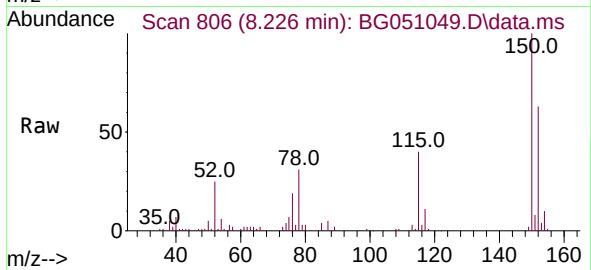




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.226 min Scan# 807  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

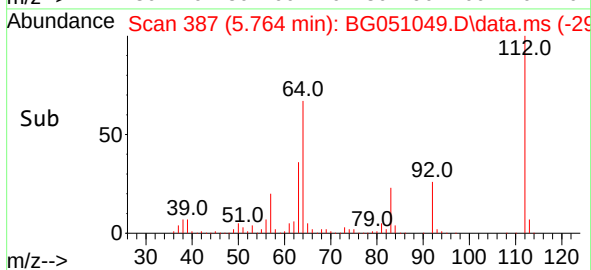
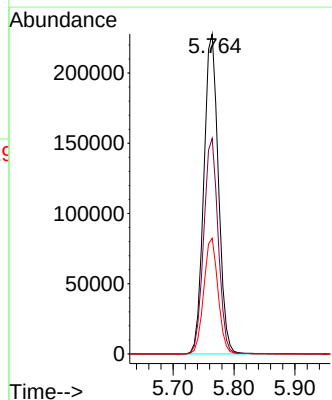
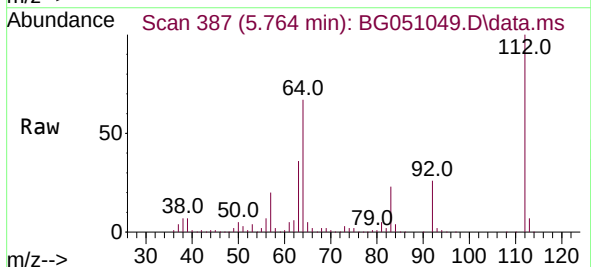
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

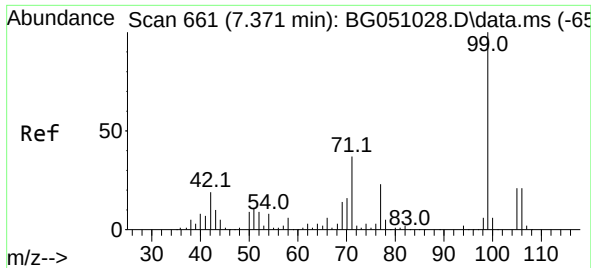
Tgt Ion:152 Resp: 37456  
Ion Ratio Lower Upper  
152 100  
150 158.9 119.4 179.0  
115 63.3 60.2 90.4



#5  
2-Fluorophenol  
Concen: 150.742 ng  
RT: 5.764 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion:112 Resp: 377443  
Ion Ratio Lower Upper  
112 100  
64 67.4 46.7 70.1  
63 36.2 35.3 52.9

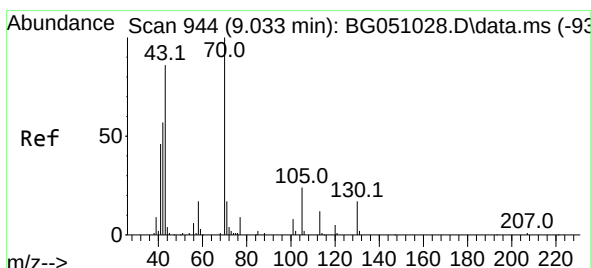
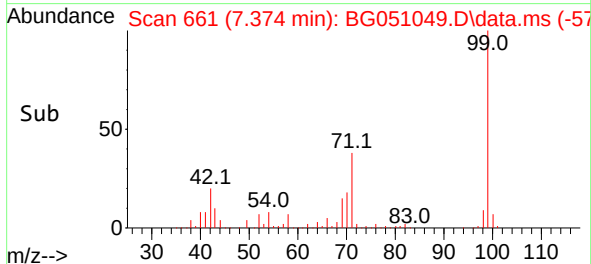
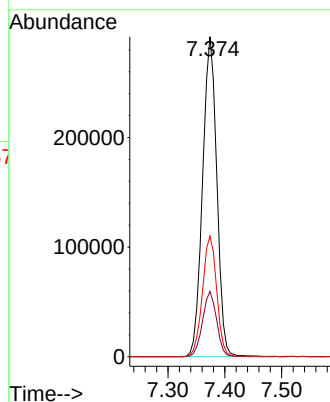
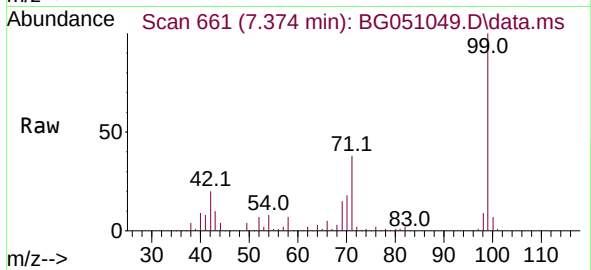




#7  
Phenol-d6  
Concen: 143.567 ng  
RT: 7.374 min Scan# 60  
Delta R.T. 0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

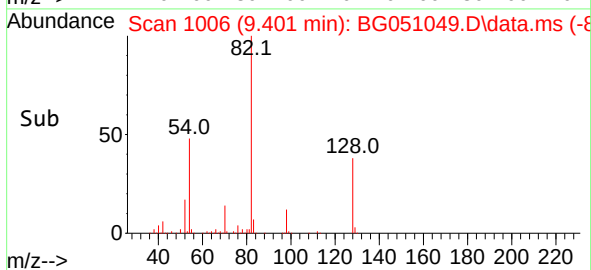
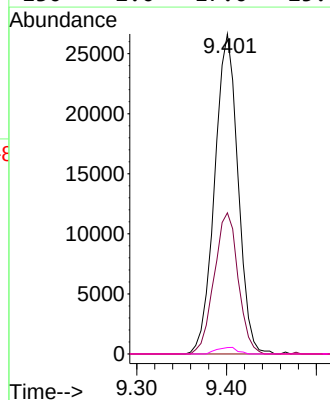
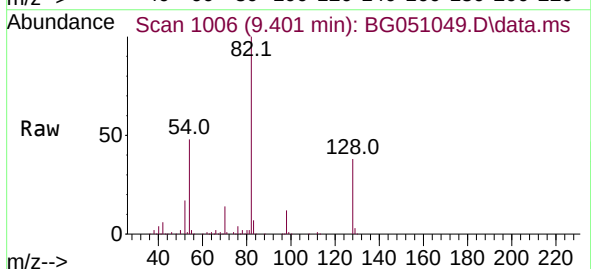
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

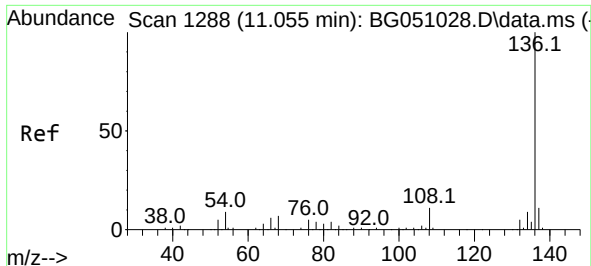
Tgt Ion: 99 Resp: 507387  
Ion Ratio Lower Upper  
99 100  
42 20.4 20.5 30.7#  
71 37.7 41.5 62.3#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.392 ng  
RT: 9.401 min Scan# 1006  
Delta R.T. 0.367 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion: 70 Resp: 48035  
Ion Ratio Lower Upper  
70 100  
42 44.1 54.5 81.7#  
101 0.0 9.0 13.6#  
130 2.0 17.0 25.6#

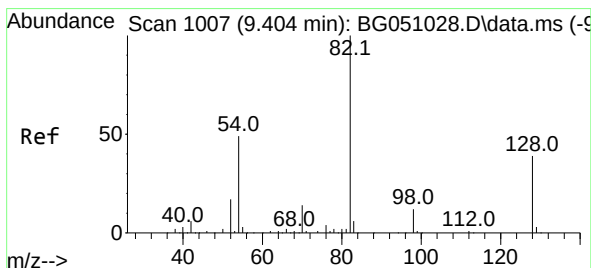
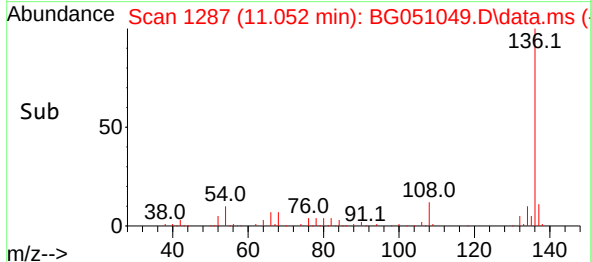
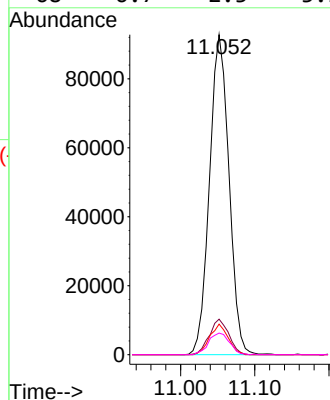
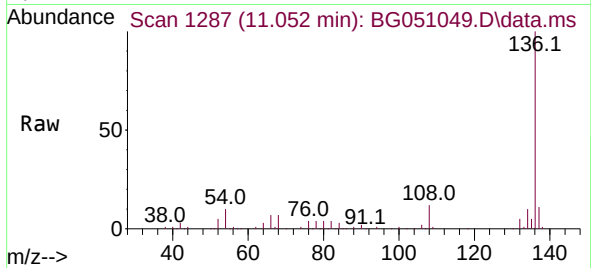




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.052 min Scan# 1106  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

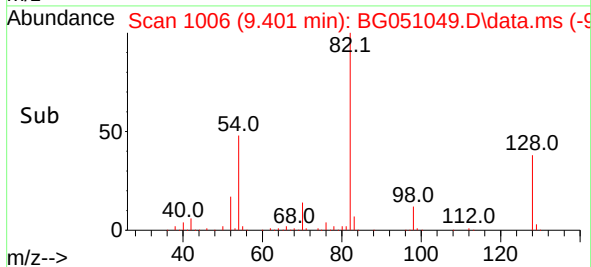
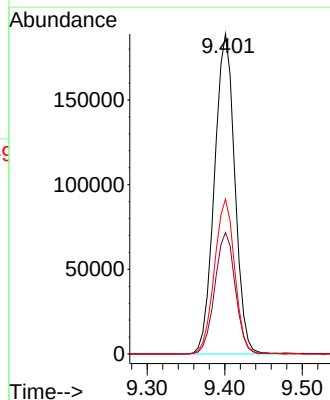
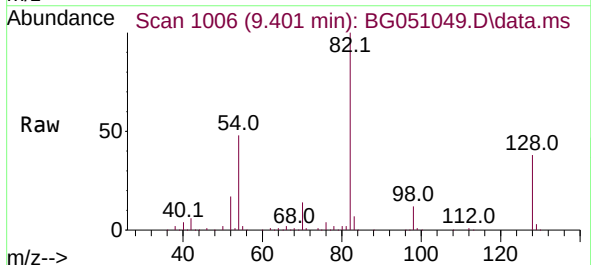
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

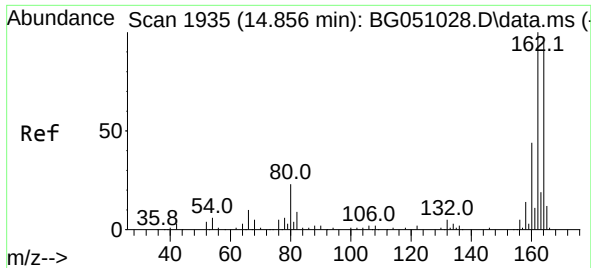
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 169406 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.2   | 12.2   |
| 54        | 9.5   | 5.5   | 8.3#   |
| 68        | 6.7   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 90.081 ng  
RT: 9.401 min Scan# 1006  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 344736 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.9  | 29.8  | 44.6   |
| 54        | 48.4  | 45.8  | 68.8   |

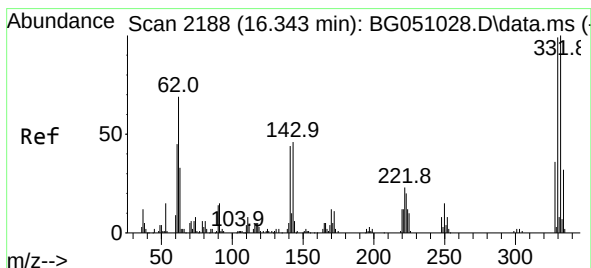
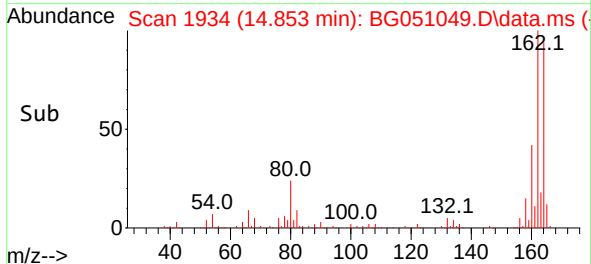
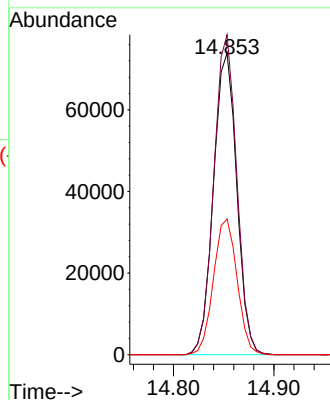
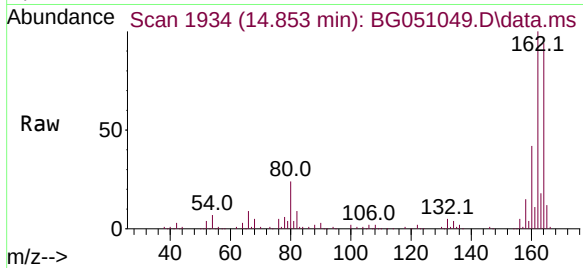




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.853 min Scan# 1934  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

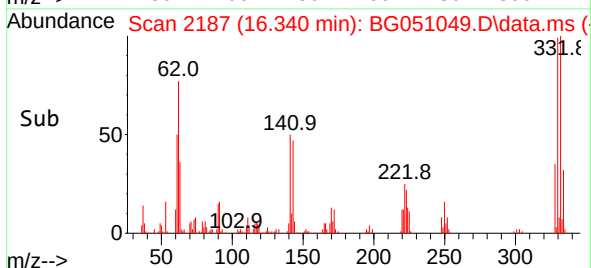
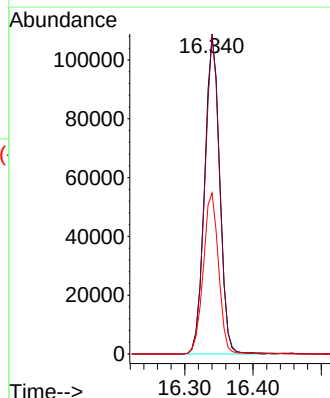
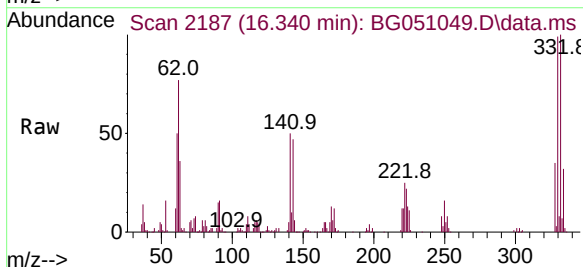
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

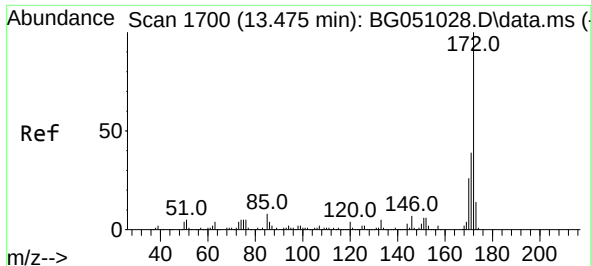
Tgt Ion:164 Resp: 119223  
Ion Ratio Lower Upper  
164 100  
162 106.1 81.4 122.0  
160 45.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 139.713 ng  
RT: 16.340 min Scan# 2187  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion:330 Resp: 166691  
Ion Ratio Lower Upper  
330 100  
332 98.2 77.3 115.9  
141 50.8 35.6 53.4

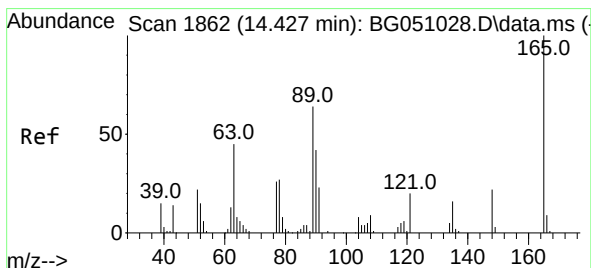
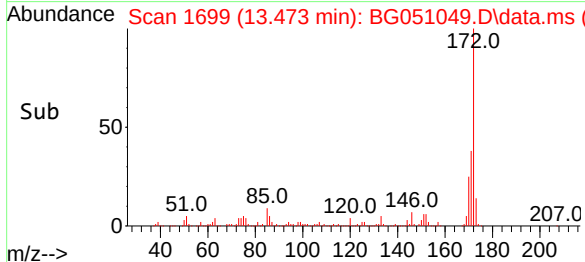
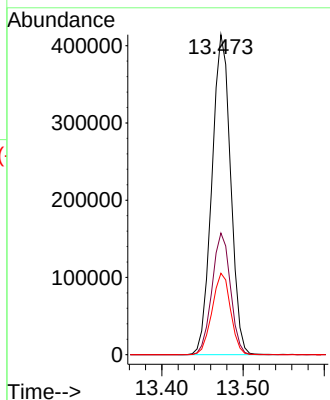
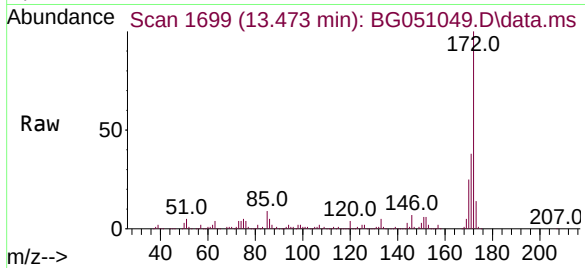




#45  
2-Fluorobiphenyl  
Concen: 87.933 ng  
RT: 13.473 min Scan# 1  
Delta R.T. -0.002 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

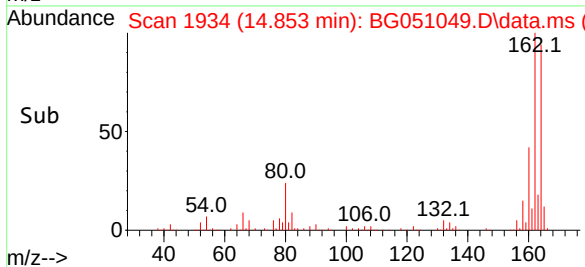
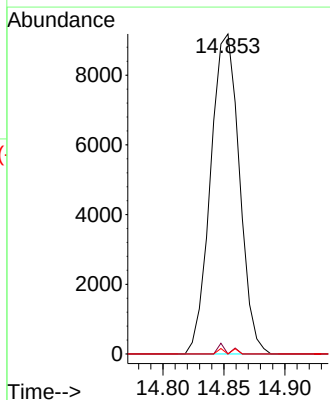
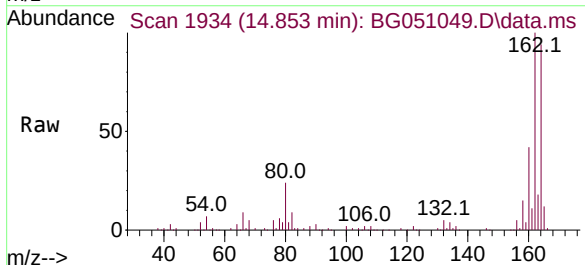
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

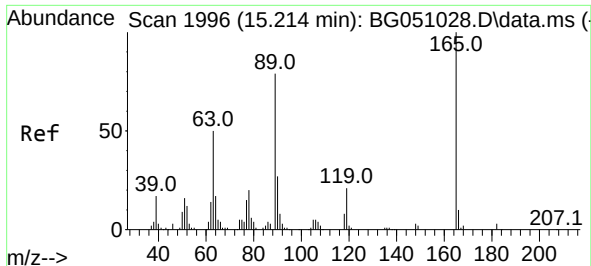
Tgt Ion:172 Resp: 663509  
Ion Ratio Lower Upper  
172 100  
171 38.0 28.6 43.0  
170 25.5 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 7.821 ng  
RT: 14.853 min Scan# 1934  
Delta R.T. 0.426 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion:165 Resp: 15100  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 0.0 63.4 95.0#





#57

2,4-Dinitrotoluene

Concen: 5.512 ng

RT: 14.853 min Scan# 1996

Delta R.T. -0.361 min

Lab File: BG051049.D

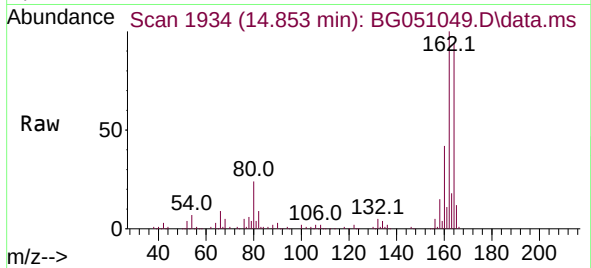
Acq: 15 Nov 2021 20:05

Instrument :

BNA\_G

ClientSampleId :

MF-SOIL-P4



Tgt Ion:165 Resp: 15100

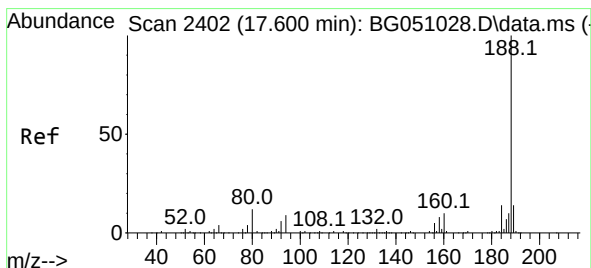
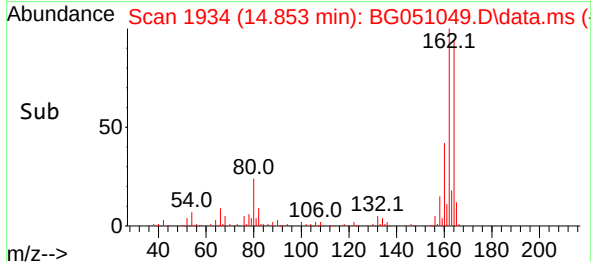
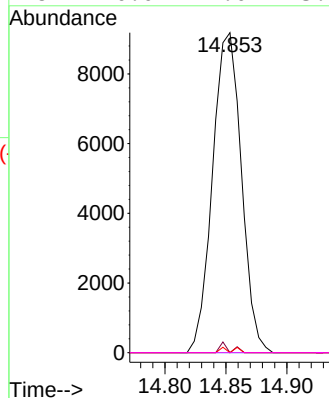
Ion Ratio Lower Upper

165 100

63 0.0 48.0 72.0#

89 0.0 65.4 98.0#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.597 min Scan# 2401

Delta R.T. -0.003 min

Lab File: BG051049.D

Acq: 15 Nov 2021 20:05

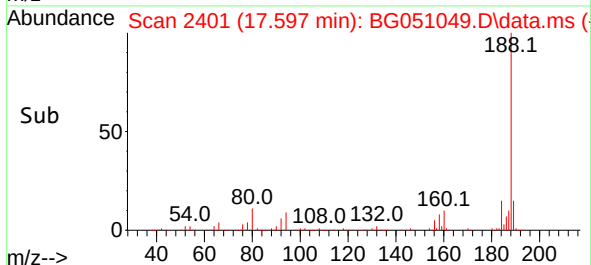
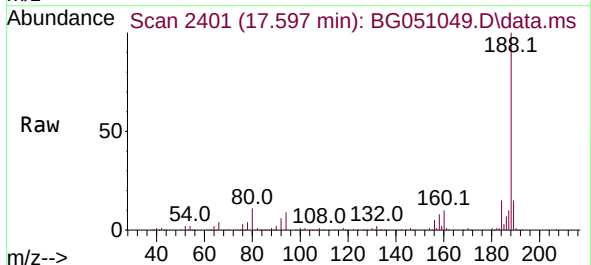
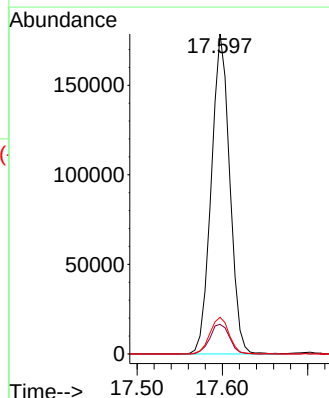
Tgt Ion:188 Resp: 268583

Ion Ratio Lower Upper

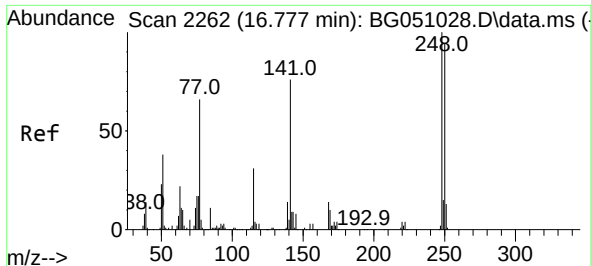
188 100

94 9.3 5.4 8.0#

80 11.4 3.7 5.5#



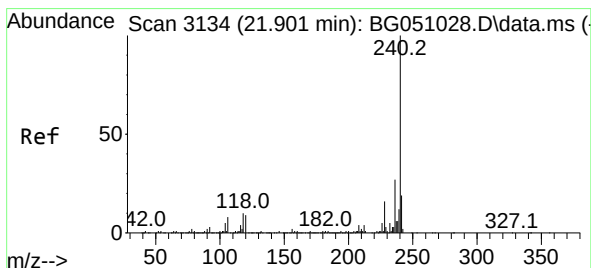
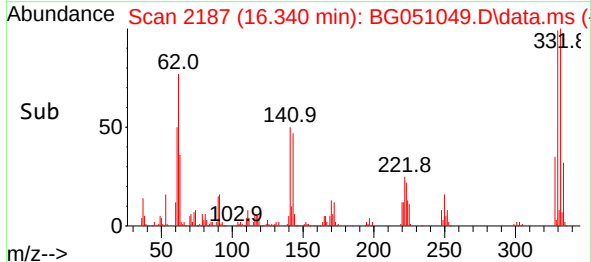
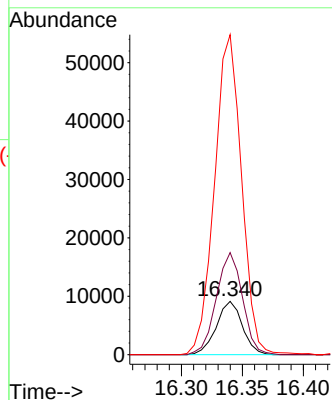
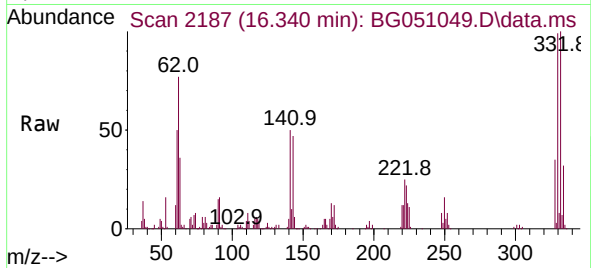




#67  
4-Bromophenyl-phenylether  
Concen: 4.815 ng  
RT: 16.340 min Scan# 2187  
Delta R.T. -0.437 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

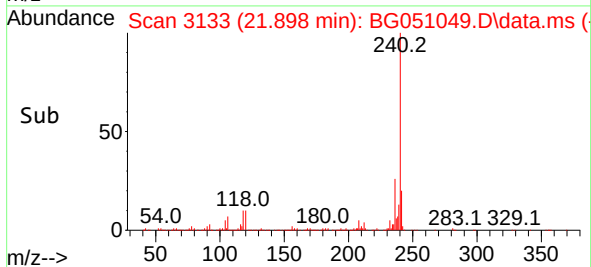
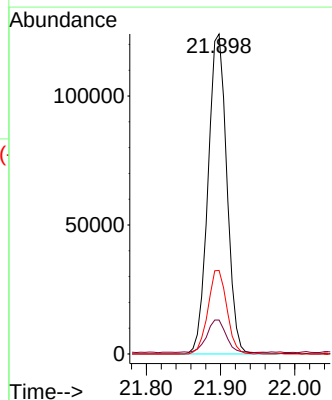
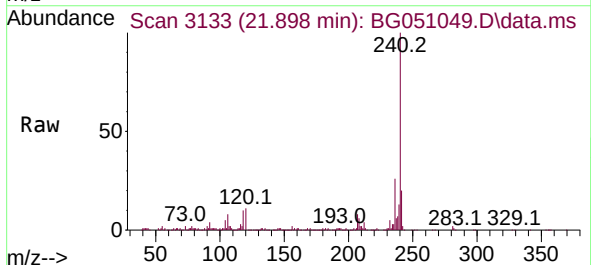
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

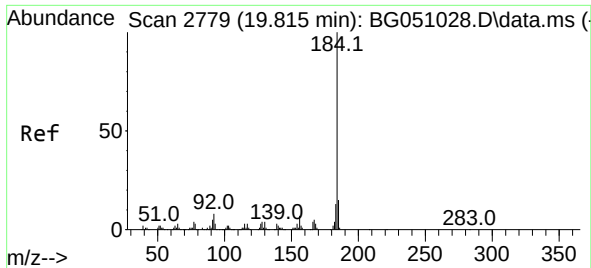
Tgt Ion:248 Resp: 13546  
Ion Ratio Lower Upper  
248 100  
250 191.6 76.1 114.1#  
141 600.2 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.898 min Scan# 3133  
Delta R.T. -0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion:240 Resp: 218303  
Ion Ratio Lower Upper  
240 100  
120 10.6 4.2 6.2#  
236 26.1 21.8 32.6

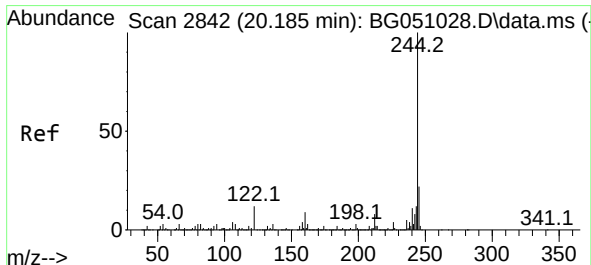
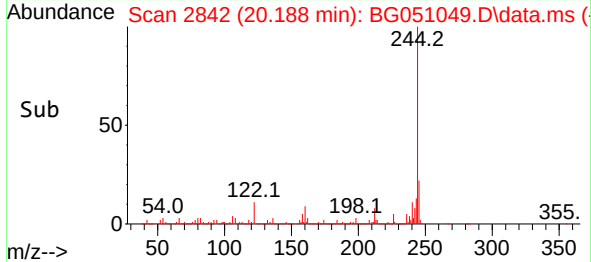
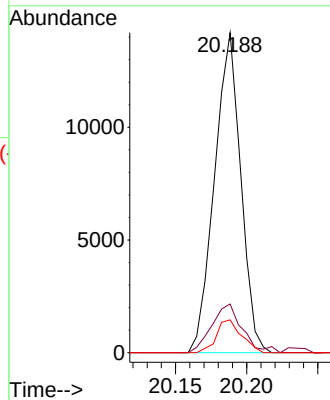
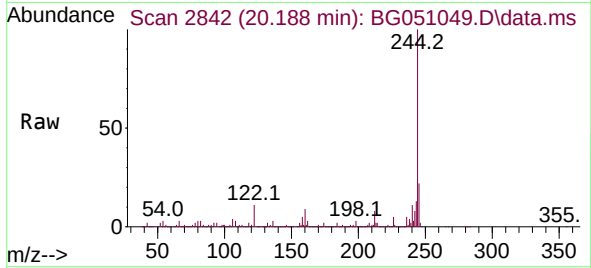




#77  
Benzidine  
Concen: 4.412 ng  
RT: 20.188 min Scan# 2842  
Delta R.T. 0.373 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

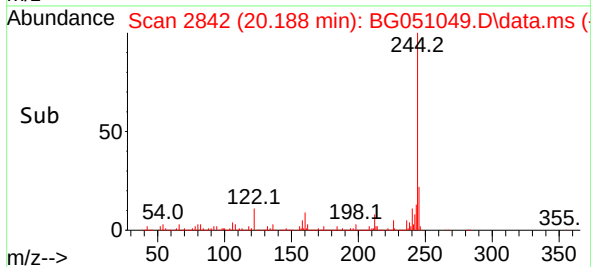
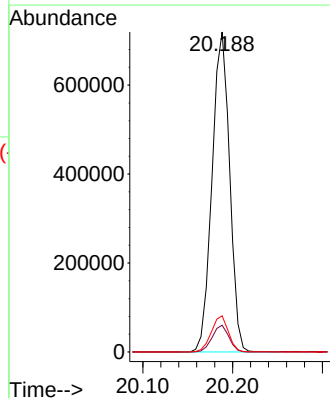
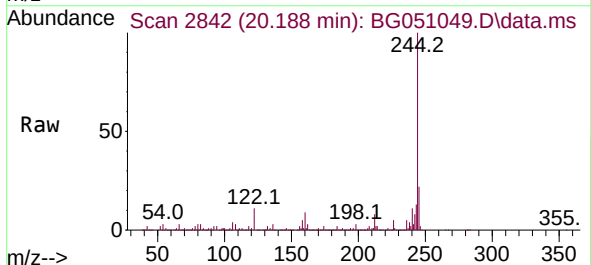
Instrument :  
BNA\_G  
ClientSampleId :  
MF-SOIL-P4

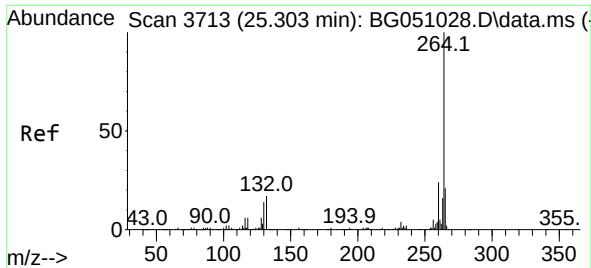
Tgt Ion:184 Resp: 18204  
Ion Ratio Lower Upper  
184 100  
185 15.2 10.7 16.1  
183 10.3 9.4 14.0



#79  
Terphenyl-d14  
Concen: 81.877 ng  
RT: 20.188 min Scan# 2842  
Delta R.T. 0.003 min  
Lab File: BG051049.D  
Acq: 15 Nov 2021 20:05

Tgt Ion:244 Resp: 976836  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.9 10.3  
122 11.3 5.0 7.6#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.300 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BG051049.D  
 Acq: 15 Nov 2021 20:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MF-SOIL-P4

Tgt Ion:264 Resp: 212170  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.4 29.2  
 265 21.1 16.9 25.3

