

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG022122\  
 Data File : BG052434.D  
 Acq On : 21 Feb 2022 12:58  
 Operator : CG/JU  
 Sample : N1556-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 NE-SURFICIAL-SOIL

Quant Time: Feb 21 13:58:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 08 01:21:20 2022  
 Response via : Initial Calibration

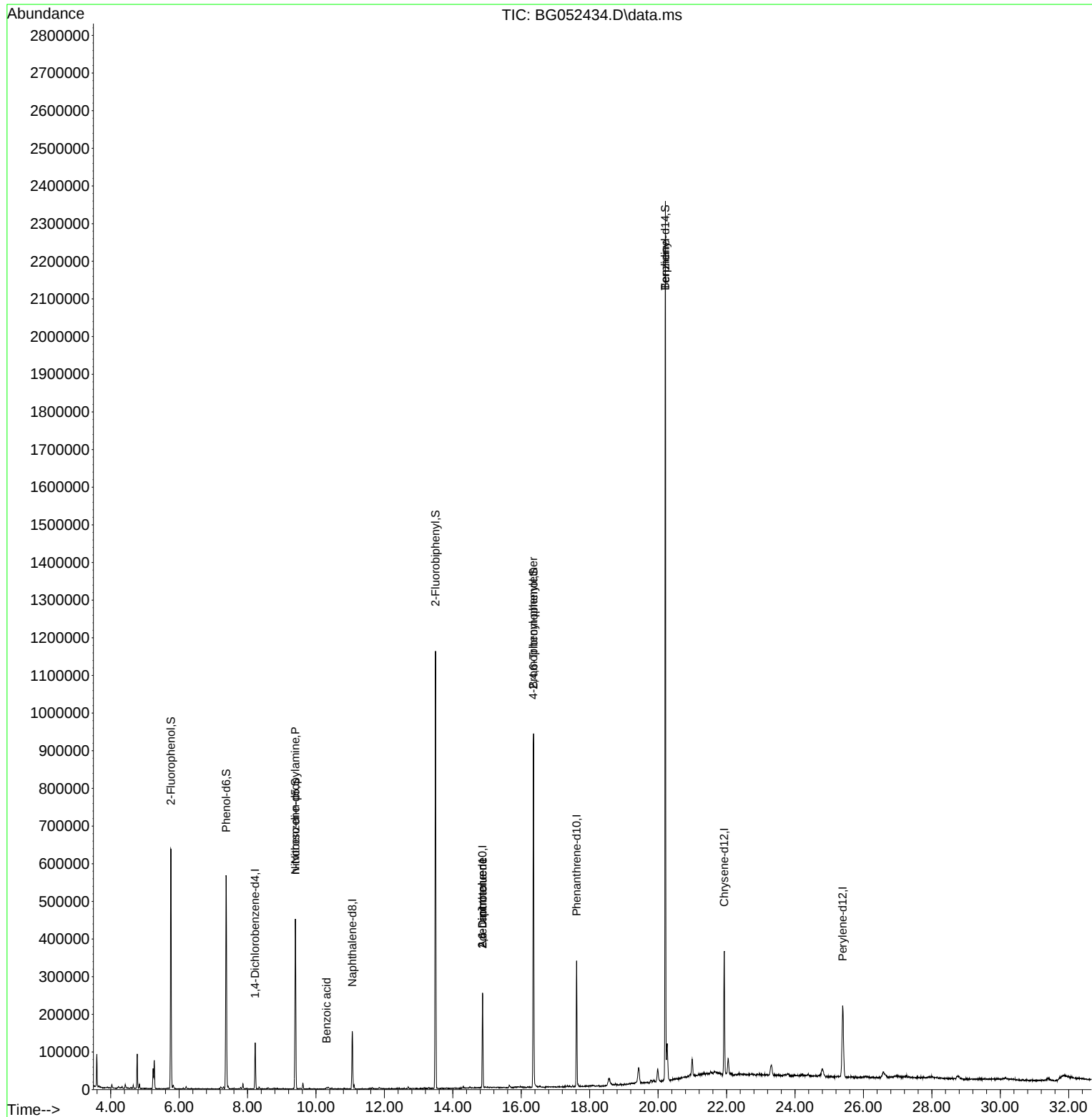
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.222  | 152  | 34382    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.060 | 136  | 132322   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.866 | 164  | 89938    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.615 | 188  | 217433   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.933 | 240  | 223546   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.393 | 264  | 221595   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.761  | 112  | 274045   | 138.916 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.376  | 99   | 340006   | 111.704 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.397  | 82   | 285278   | 93.700  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.358 | 330  | 197828   | 153.105 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.492 | 172  | 625359   | 96.617  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.212 | 244  | 1139157  | 89.986  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.397  | 70   | 40653    | 17.716  | ng    | # 76     |
| 32) Benzoic acid              | 10.308 | 122  | 1648     | 7.208   | ng    | 89       |
| 51) 2,6-Dinitrotoluene        | 14.866 | 165  | 12175    | 8.189   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 14.866 | 165  | 12175    | 5.754   | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 16.352 | 248  | 13117    | 4.961   | ng    | # 1      |
| 77) Benzidine                 | 20.212 | 184  | 17311    | 3.624   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

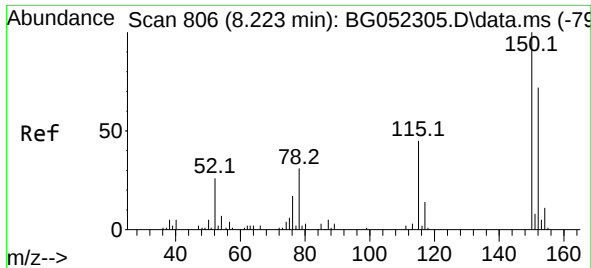
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 08 01:21:20 2022  
Response via : Initial Calibration

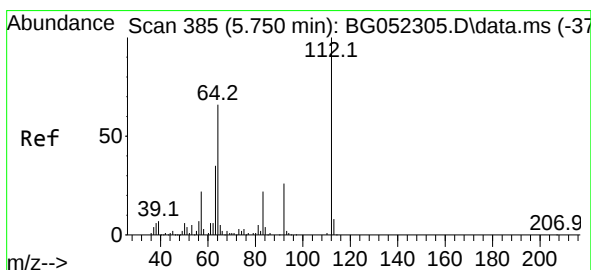
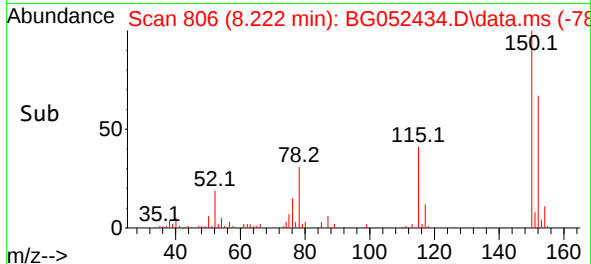
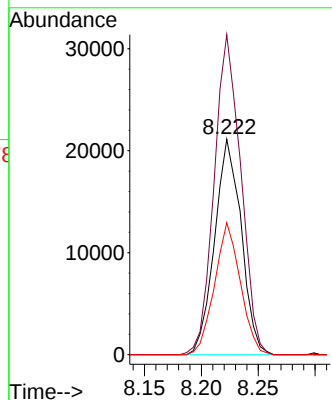
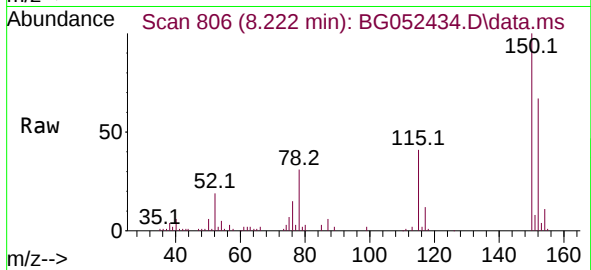




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.222 min Scan# 806  
Delta R.T. -0.001 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

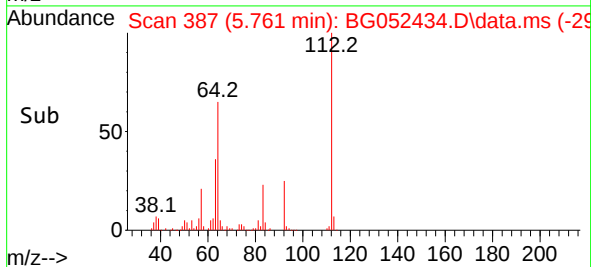
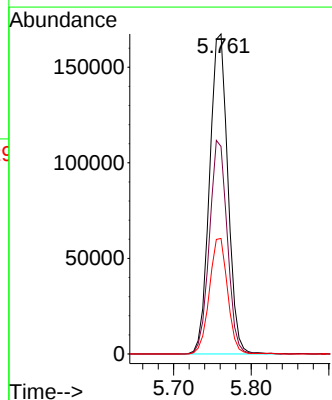
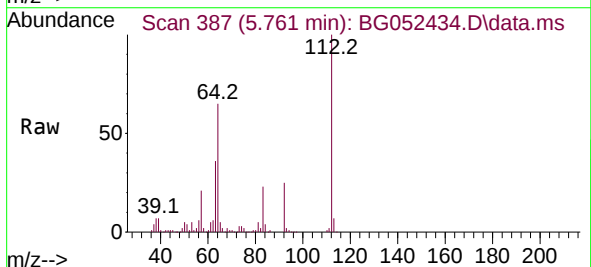
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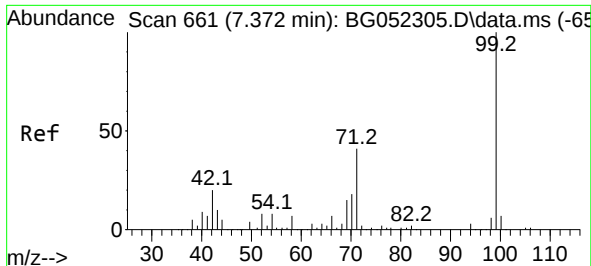
Tgt Ion:152 Resp: 34382  
Ion Ratio Lower Upper  
152 100  
150 148.4 117.8 176.8  
115 61.2 50.2 75.2



#5  
2-Fluorophenol  
Concen: 138.916 ng  
RT: 5.761 min Scan# 387  
Delta R.T. 0.011 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion:112 Resp: 274045  
Ion Ratio Lower Upper  
112 100  
64 64.9 60.4 90.6  
63 36.1 33.3 49.9

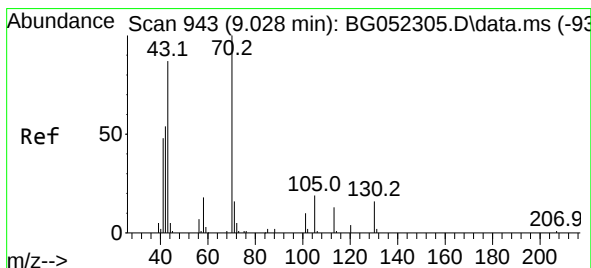
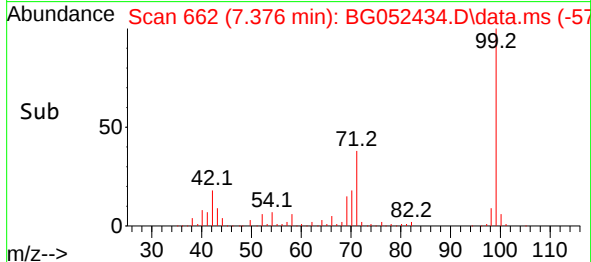
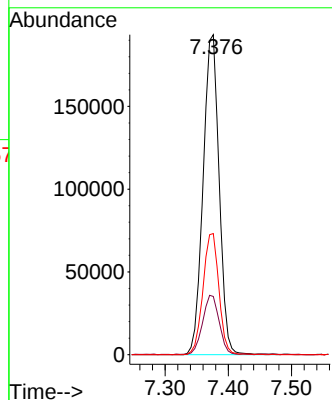
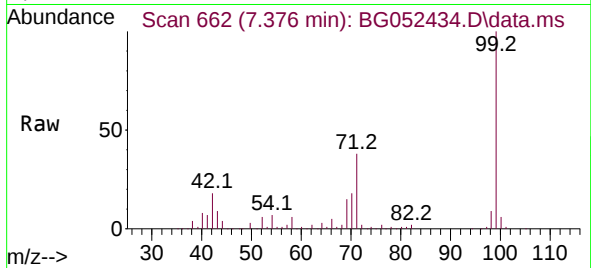




#7  
Phenol-d6  
Concen: 111.704 ng  
RT: 7.376 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

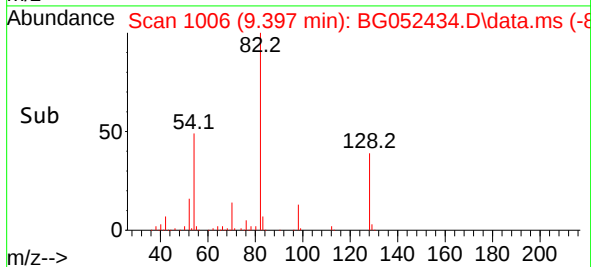
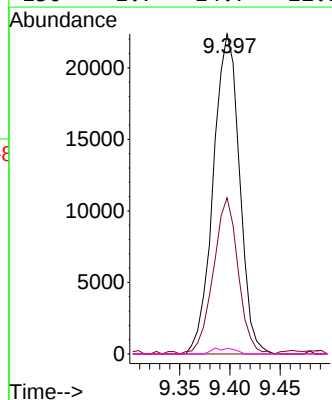
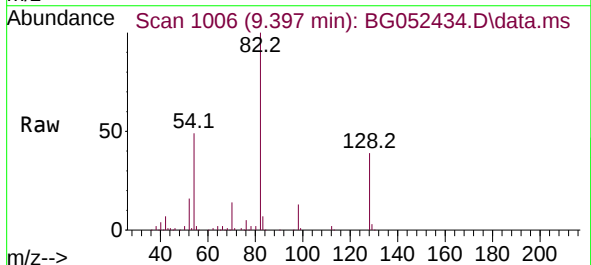
Instrument :  
BNA\_G  
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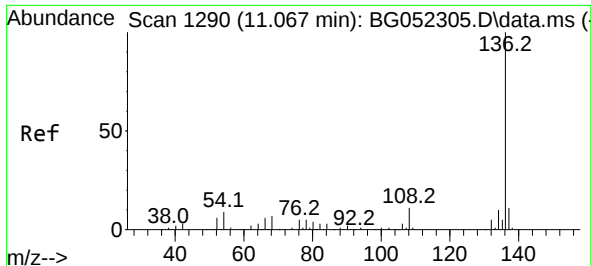
Tgt Ion: 99 Resp: 340006  
Ion Ratio Lower Upper  
99 100  
42 18.2 19.1 28.7#  
71 37.9 33.4 50.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.716 ng  
RT: 9.397 min Scan# 1006  
Delta R.T. 0.369 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion: 70 Resp: 40653  
Ion Ratio Lower Upper  
70 100  
42 48.8 51.8 77.6#  
101 0.0 6.6 10.0#  
130 1.7 14.7 22.1#

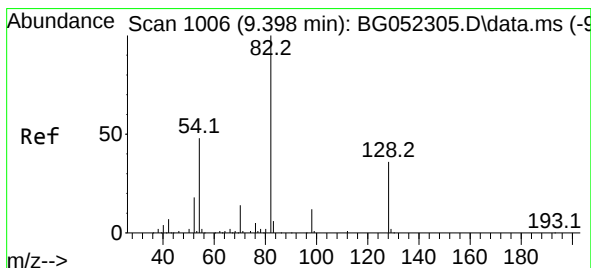
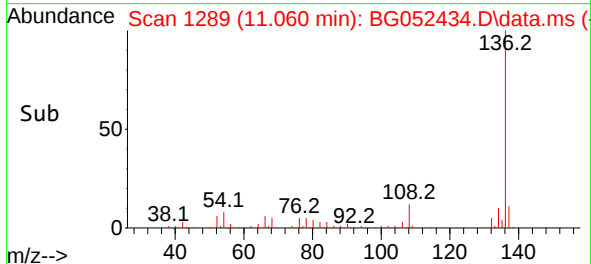
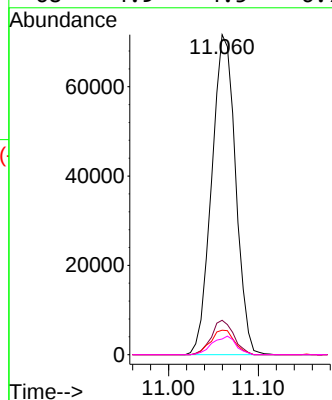
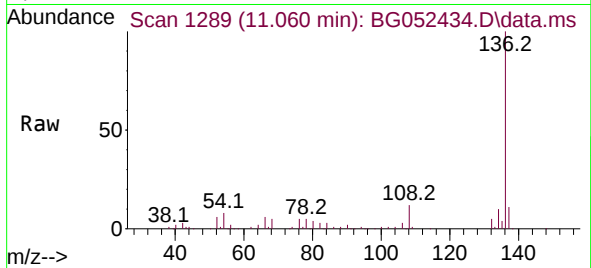




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.060 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

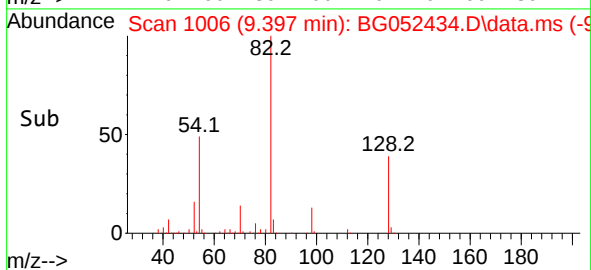
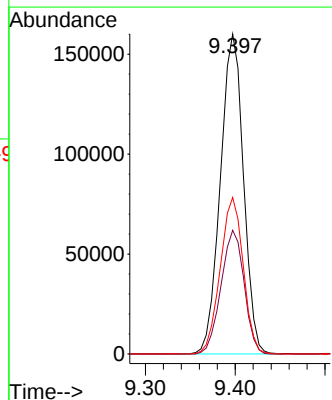
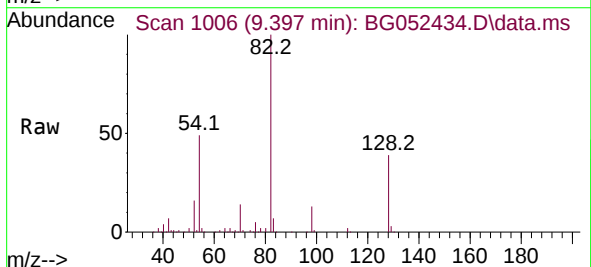
Instrument :  
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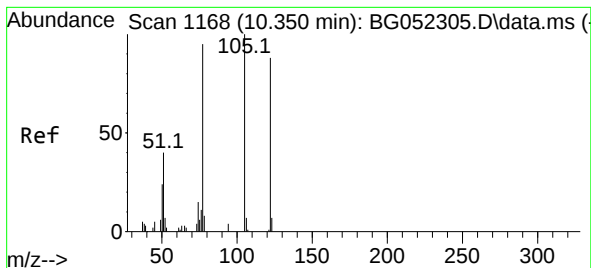
Tgt Ion:136 Resp: 132322  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 7.6 8.3 12.5#  
68 4.9 4.5 6.7



#23  
Nitrobenzene-d5  
Concen: 93.700 ng  
RT: 9.397 min Scan# 1006  
Delta R.T. -0.001 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion: 82 Resp: 285278  
Ion Ratio Lower Upper  
82 100  
128 38.7 27.0 40.4  
54 48.9 41.0 61.6





#32

Benzoic acid

Concen: 7.208 ng

RT: 10.308 min Scan# 1168

Delta R.T. -0.042 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

Instrument :

BNA\_G

ClientSampleId :

NE-SURFICIAL-SOIL

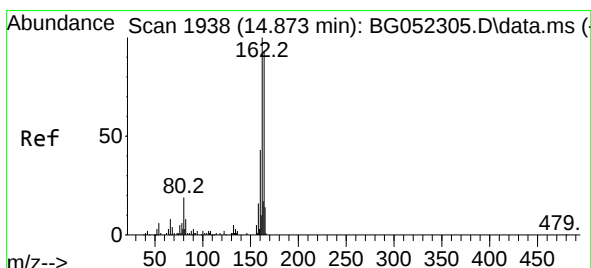
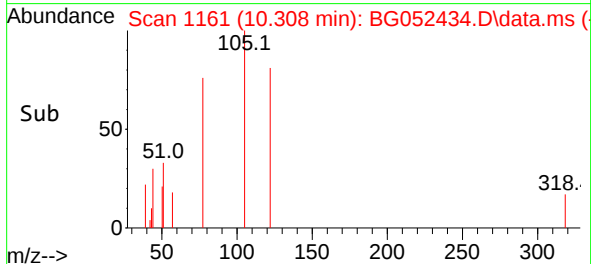
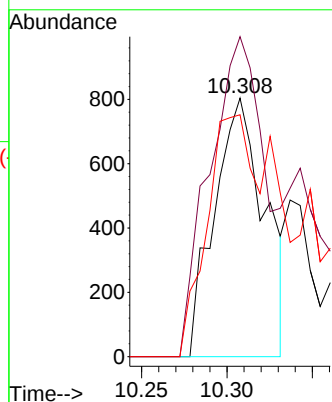
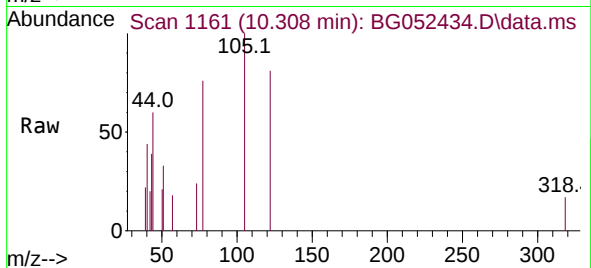
Tgt Ion:122 Resp: 1648

Ion Ratio Lower Upper

122 100

105 123.8 109.2 149.2

77 93.5 92.8 132.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.866 min Scan# 1937

Delta R.T. -0.007 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

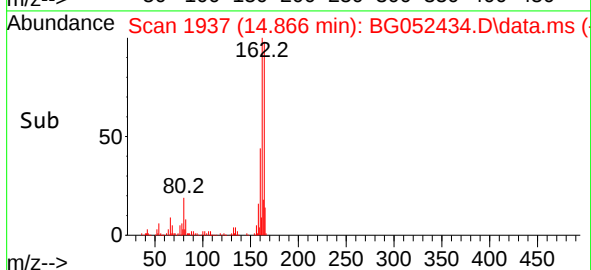
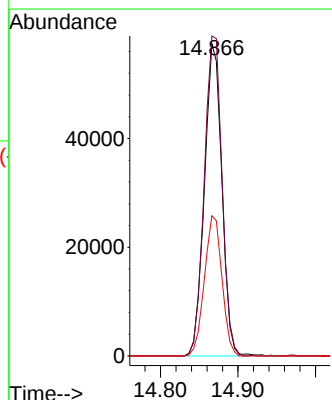
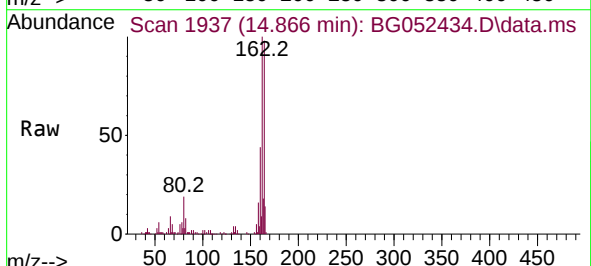
Tgt Ion:164 Resp: 89938

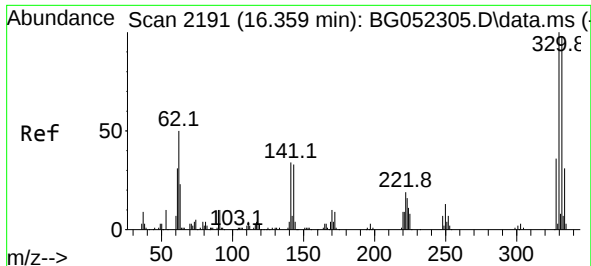
Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.2

160 44.9 36.2 54.2

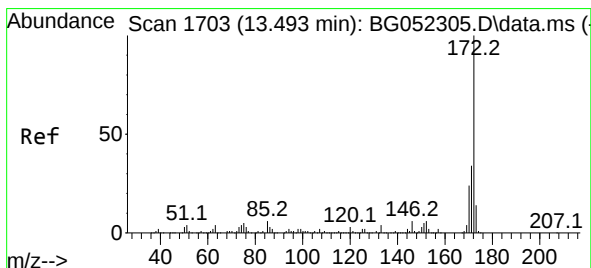
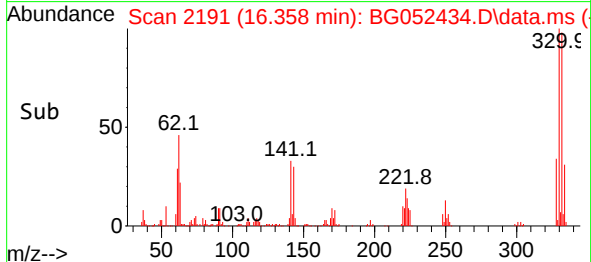
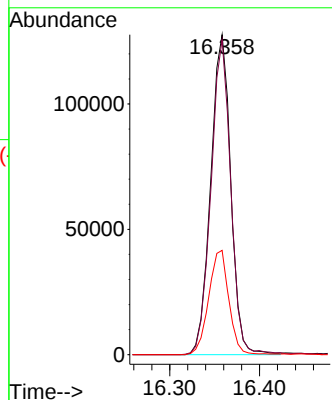
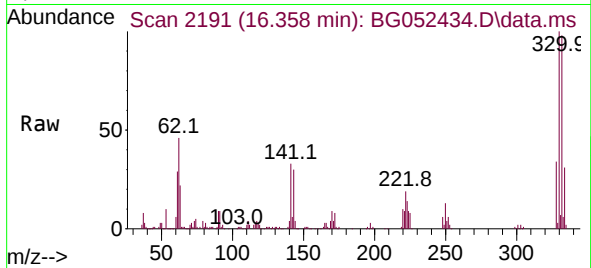




#42  
2,4,6-Tribromophenol  
Concen: 153.105 ng  
RT: 16.358 min Scan# 2191  
Delta R.T. -0.001 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

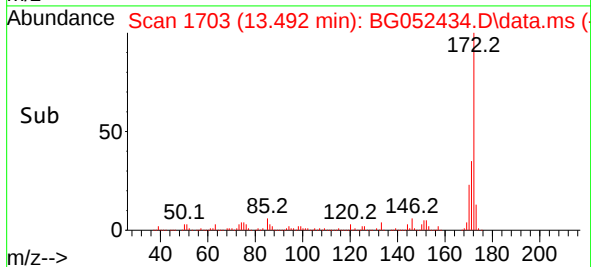
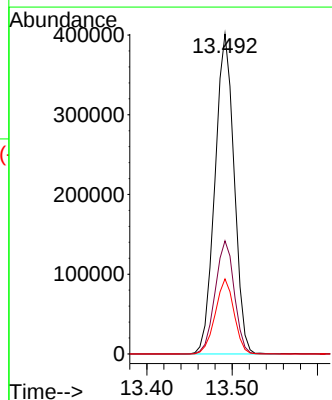
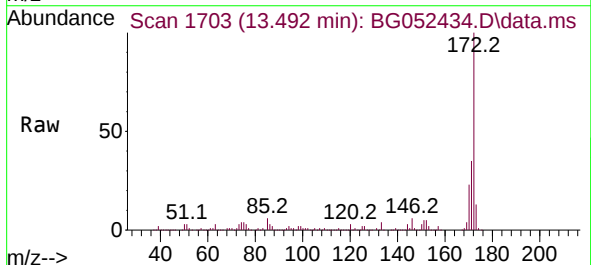
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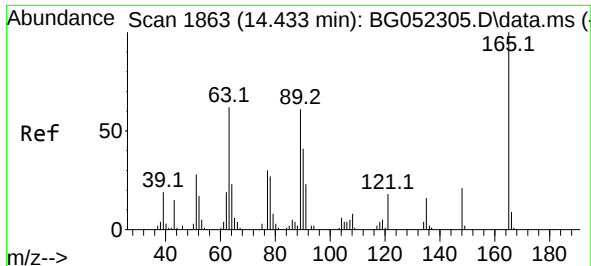
Tgt Ion:330 Resp: 197828  
Ion Ratio Lower Upper  
330 100  
332 96.9 78.6 117.8  
141 33.0 28.8 43.2



#45  
2-Fluorobiphenyl  
Concen: 96.617 ng  
RT: 13.492 min Scan# 1703  
Delta R.T. -0.001 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion:172 Resp: 625359  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.3 42.5  
170 23.4 18.3 27.5

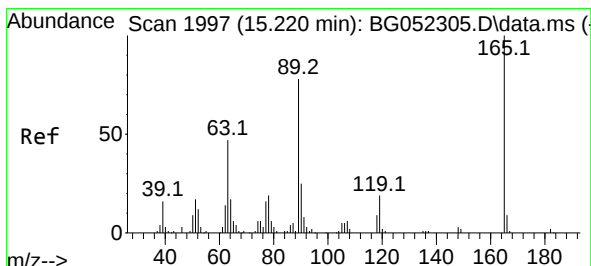
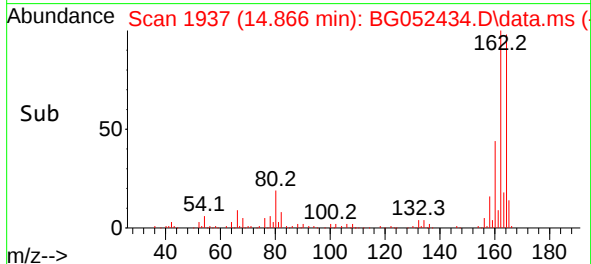
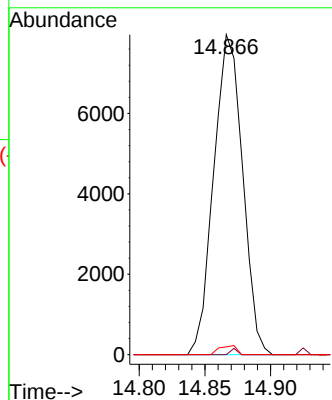
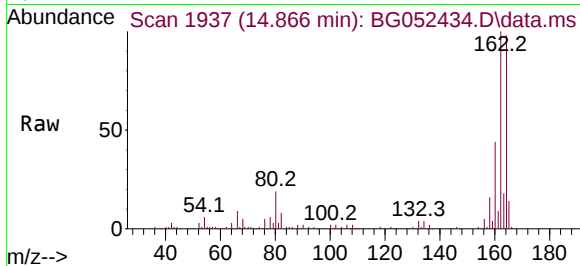




#51  
2,6-Dinitrotoluene  
Concen: 8.189 ng  
RT: 14.866 min Scan# 1937  
Delta R.T. 0.434 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

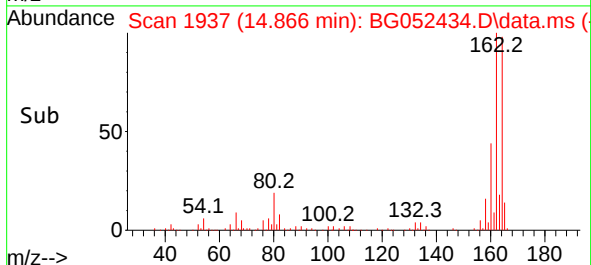
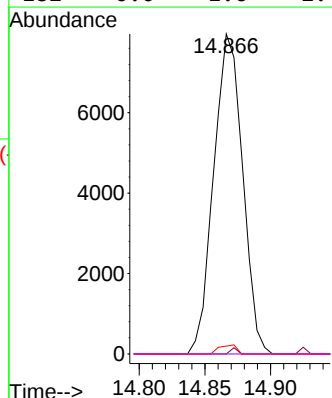
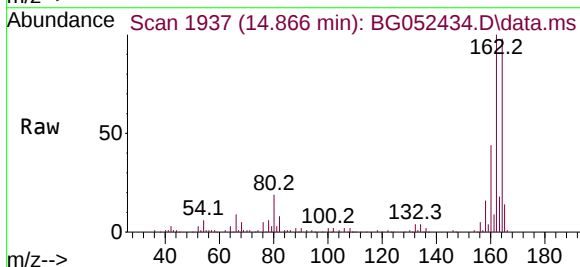
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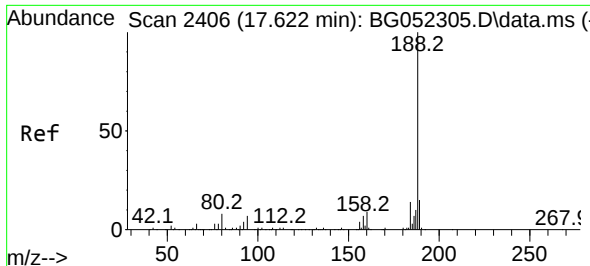
Tgt Ion:165 Resp: 12175  
Ion Ratio Lower Upper  
165 100  
63 0.0 59.0 88.4#  
89 2.4 49.4 74.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.754 ng  
RT: 14.866 min Scan# 1937  
Delta R.T. -0.354 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion:165 Resp: 12175  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.6 66.8#  
89 2.4 67.4 101.0#  
182 0.0 1.6 2.4#

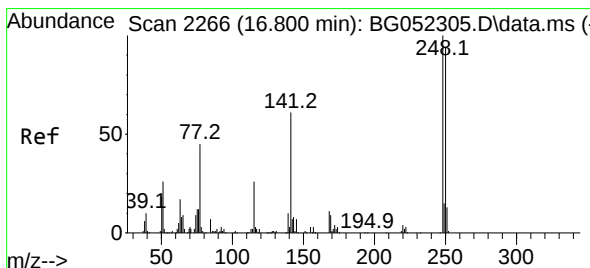
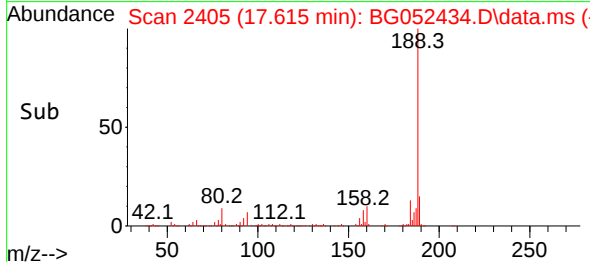
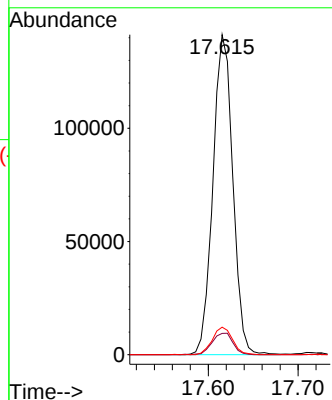
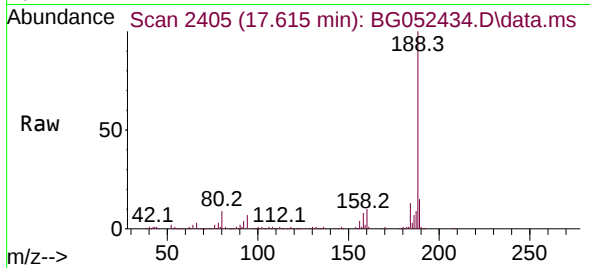




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.615 min Scan# 2406  
Delta R.T. -0.007 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

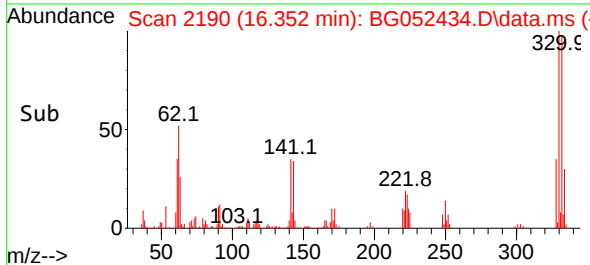
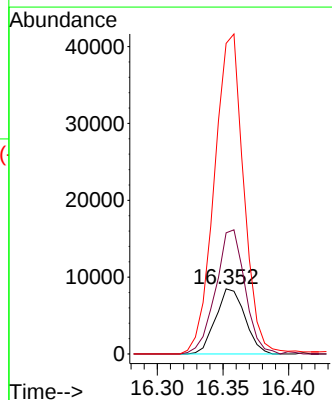
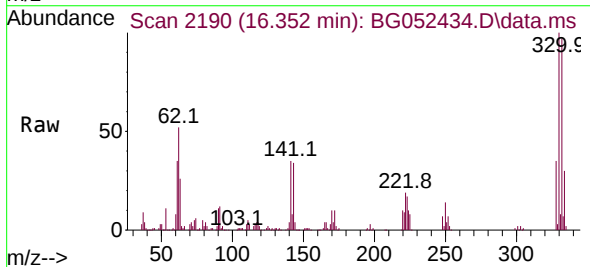
Instrument :  
BNA\_G  
ClientSampleId :  
NE-SURFICIAL-SOIL

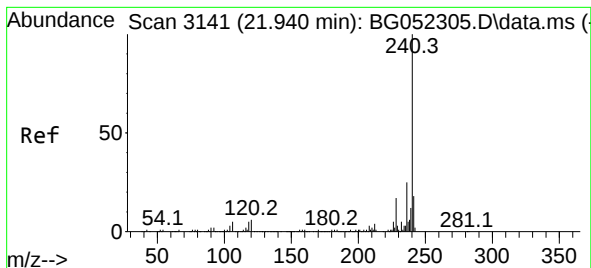
Tgt Ion:188 Resp: 217433  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.9 8.9  
80 8.6 6.6 10.0



#67  
4-Bromophenyl-phenylether  
Concen: 4.961 ng  
RT: 16.352 min Scan# 2190  
Delta R.T. -0.448 min  
Lab File: BG052434.D  
Acq: 21 Feb 2022 12:58

Tgt Ion:248 Resp: 13117  
Ion Ratio Lower Upper  
248 100  
250 185.8 79.6 119.4#  
141 476.6 54.6 81.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.933 min Scan# 3141

Delta R.T. -0.007 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

Instrument :

BNA\_G

ClientSampleId :

NE-SURFICIAL-SOIL

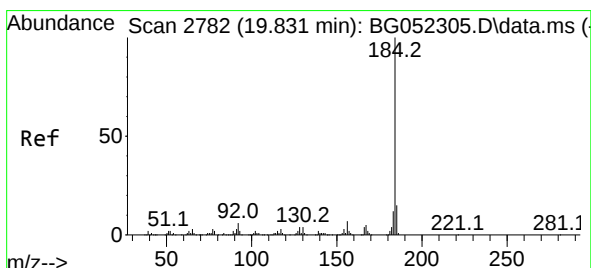
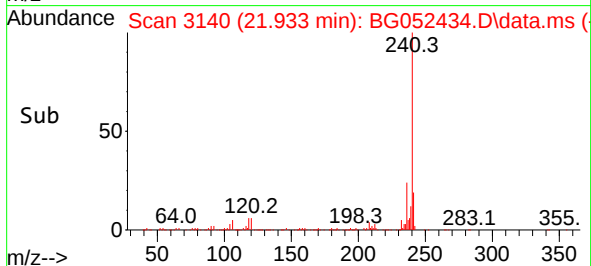
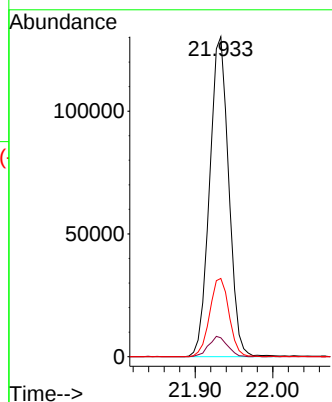
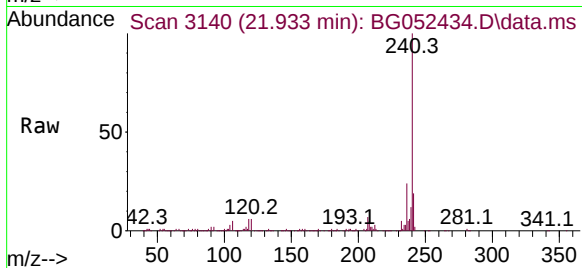
Tgt Ion:240 Resp: 223546

Ion Ratio Lower Upper

240 100

120 5.9 4.4 6.6

236 24.4 20.8 31.2



#77

Benzidine

Concen: 3.624 ng

RT: 20.212 min Scan# 2847

Delta R.T. 0.381 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

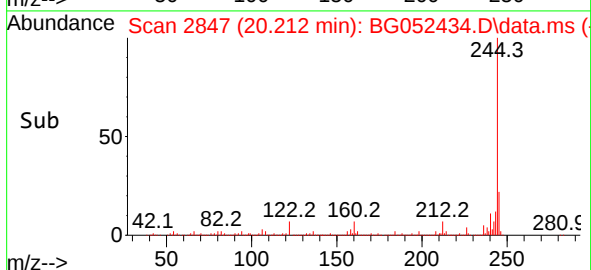
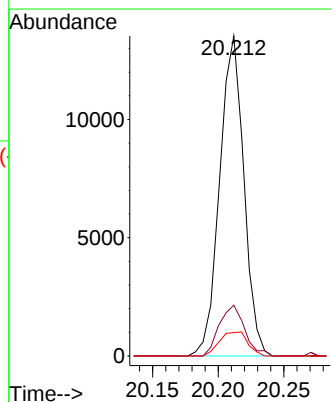
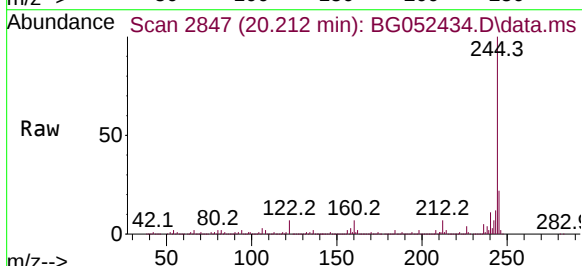
Tgt Ion:184 Resp: 17311

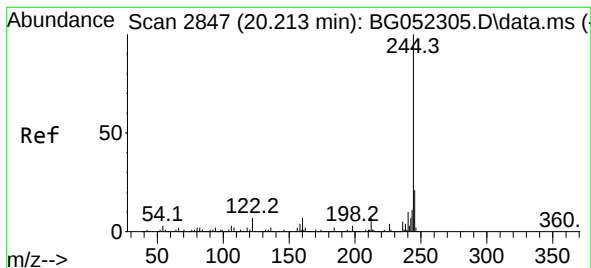
Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

183 7.3 9.8 14.6#





#79

Terphenyl-d14

Concen: 89.986 ng

RT: 20.212 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

Instrument :

BNA\_G

ClientSampleId :

NE-SURFICIAL-SOIL

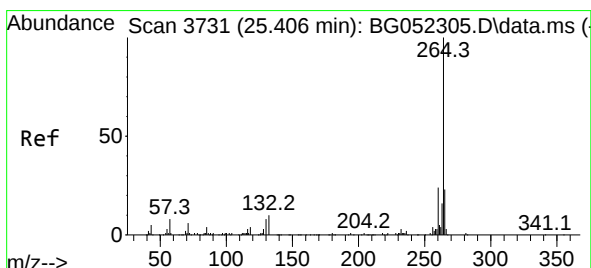
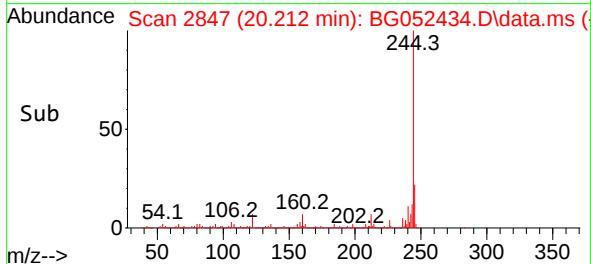
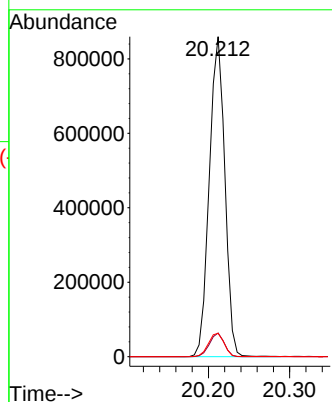
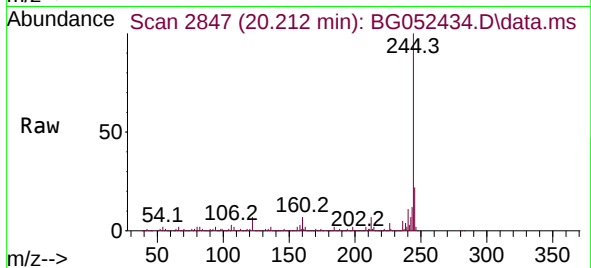
Tgt Ion:244 Resp: 1139157

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 7.3 6.2 9.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.393 min Scan# 3729

Delta R.T. -0.013 min

Lab File: BG052434.D

Acq: 21 Feb 2022 12:58

Tgt Ion:264 Resp: 221595

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 20.8 17.8 26.6

