

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121923\  
 Data File : BG060085.D  
 Acq On : 19 Dec 2023 14:45  
 Operator : MA/JU  
 Sample : 05884-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-COMP-2

Quant Time: Dec 19 15:27:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 2023  
 Response via : Initial Calibration

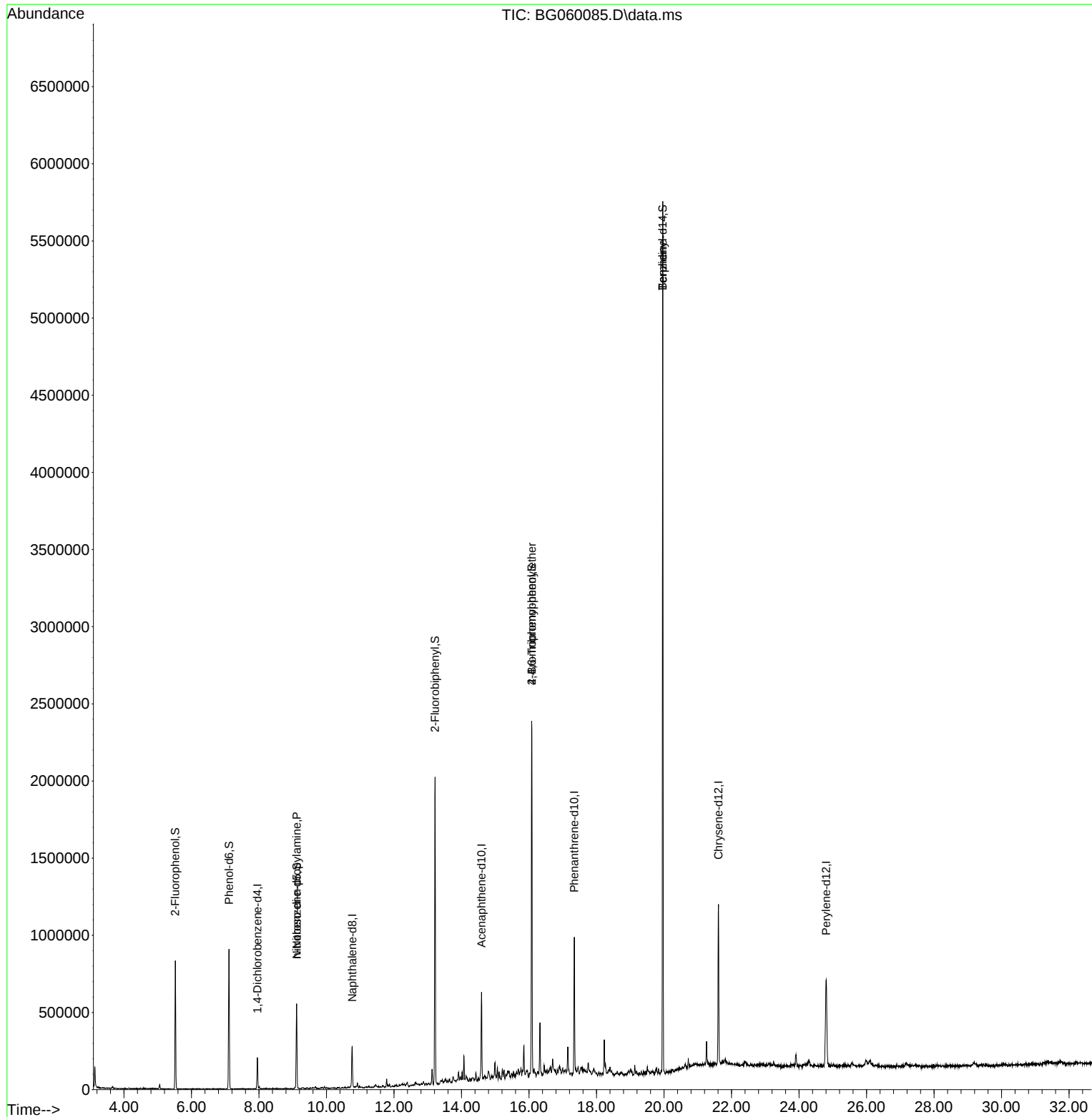
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.953  | 152  | 51327    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.762 | 136  | 199100   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.592 | 164  | 194123   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.342 | 188  | 609570   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.614 | 240  | 689485   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 24.804 | 264  | 755187   | 20.000    | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.521  | 112  | 272440   | 90.864    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.113  | 99   | 420758   | 99.762    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.117  | 82   | 304712   | 69.495    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.085 | 330  | 579660   | 128.131   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.218 | 172  | 1095001  | 69.037    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.963 | 244  | 3081941  | 81.608    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.117  | 70   | 47296    | 17.381    | ng    | # 81     |
| 67) 4-Bromophenyl-phenylether | 16.085 | 248  | 34158    | 3.972     | ng    | # 1      |
| 69) Atrazine                  | 16.790 | 200  | 472      | Below Cal |       | # 32     |
| 77) Benzidine                 | 19.963 | 184  | 48200    | 5.442     | ng    | # 87     |
| -----                         |        |      |          |           |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121923\  
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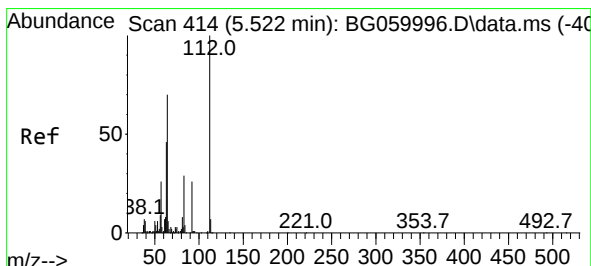
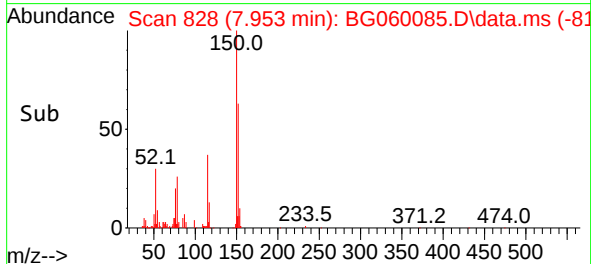
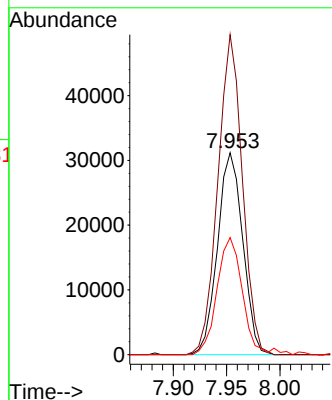
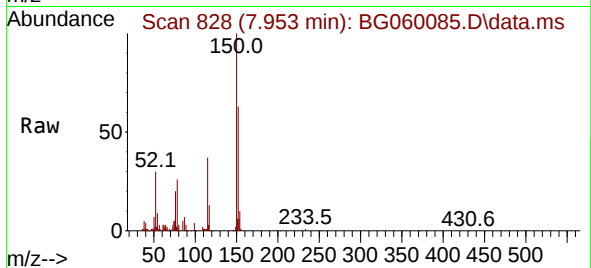




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.953 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

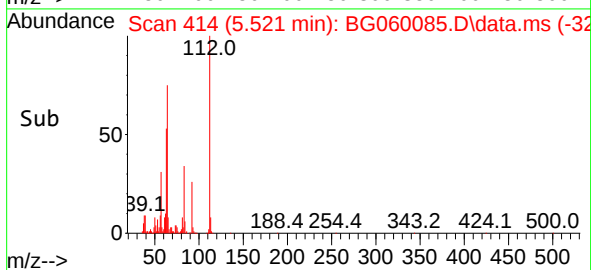
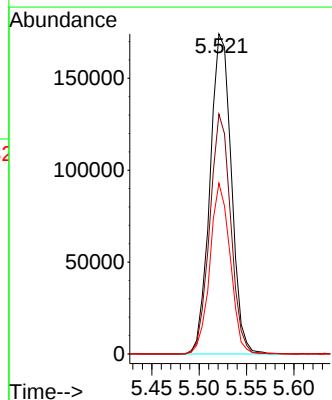
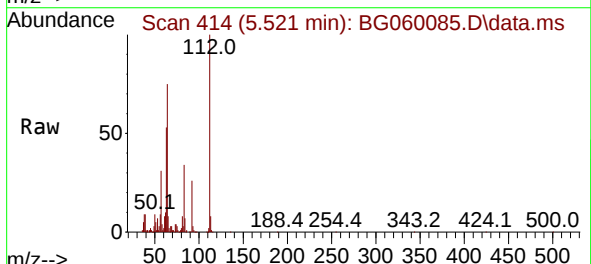
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

Tgt Ion:152 Resp: 51327  
Ion Ratio Lower Upper  
152 100  
150 158.4 127.0 190.6  
115 58.0 45.7 68.5



#5  
2-Fluorophenol  
Concen: 90.864 ng  
RT: 5.521 min Scan# 414  
Delta R.T. -0.005 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

Tgt Ion:112 Resp: 272440  
Ion Ratio Lower Upper  
112 100  
64 74.9 55.9 83.9  
63 53.4 36.5 54.7

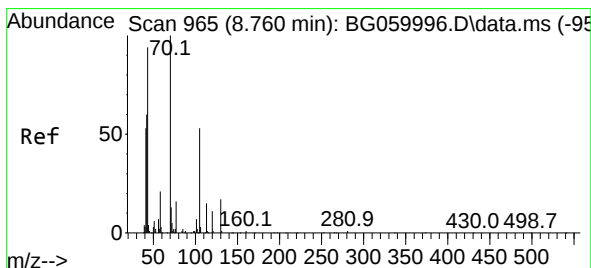
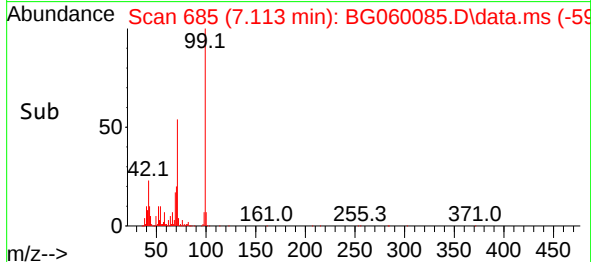
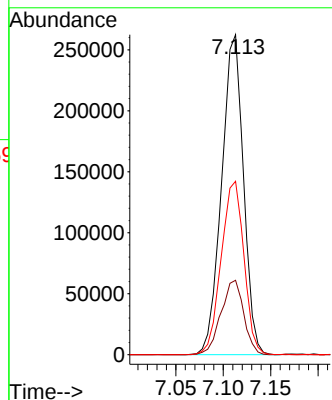
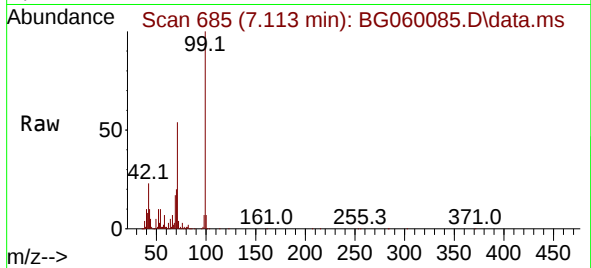




#7  
Phenol-d6  
Concen: 99.762 ng  
RT: 7.113 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

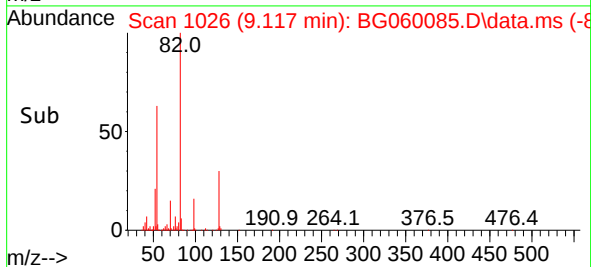
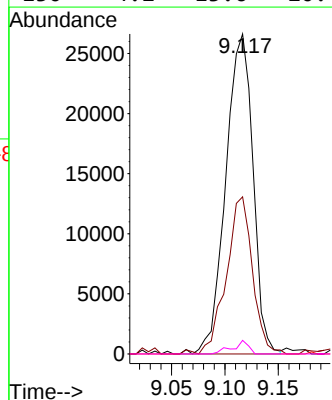
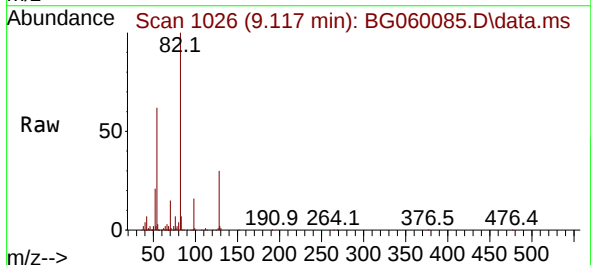
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

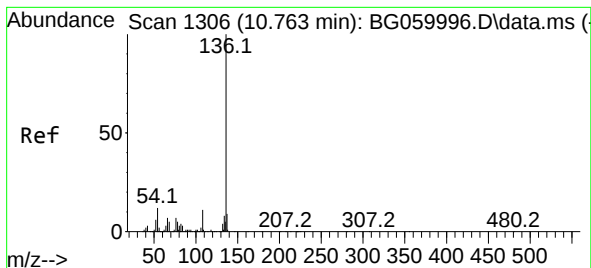
Tgt Ion: 99 Resp: 420758  
Ion Ratio Lower Upper  
99 100  
42 23.2 16.2 24.4  
71 54.2 37.6 56.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.381 ng  
RT: 9.117 min Scan# 1026  
Delta R.T. 0.353 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

Tgt Ion: 70 Resp: 47296  
Ion Ratio Lower Upper  
70 100  
42 49.1 48.6 73.0  
101 0.0 5.7 8.5#  
130 4.2 13.6 20.4#

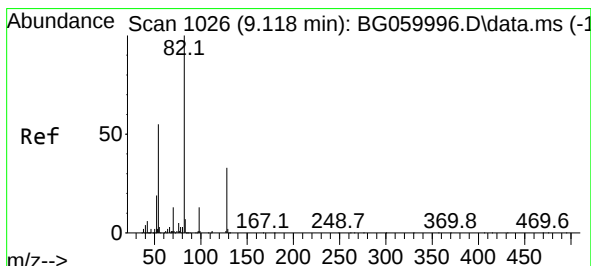
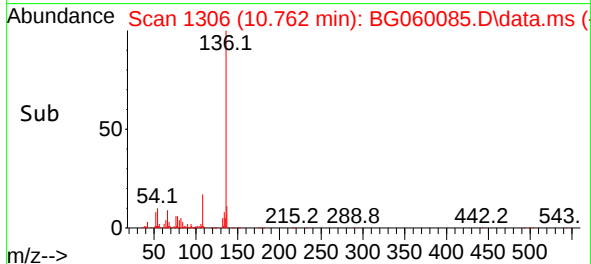
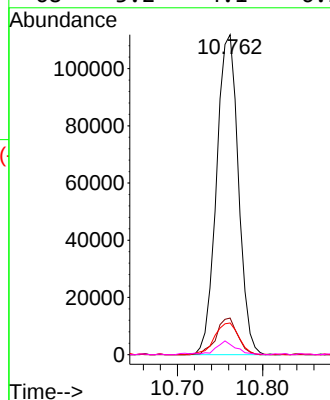
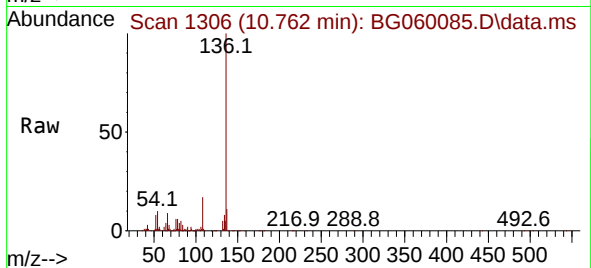




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.762 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

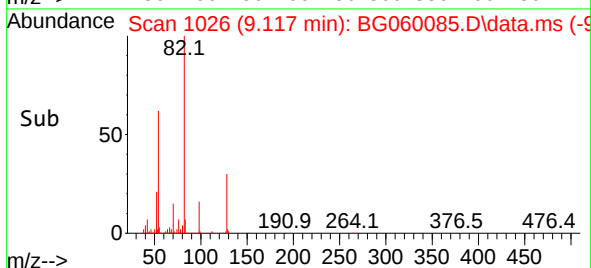
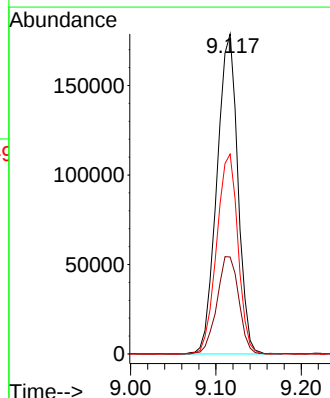
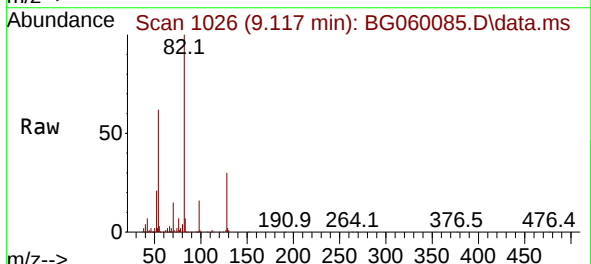
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

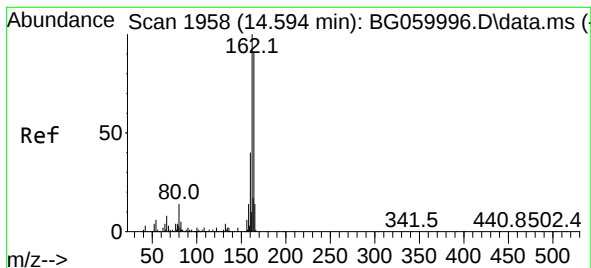
Tgt Ion:136 Resp: 199100  
Ion Ratio Lower Upper  
136 100  
137 11.5 7.3 10.9#  
54 9.9 9.6 14.4  
68 3.2 4.1 6.1#



#23  
Nitrobenzene-d5  
Concen: 69.495 ng  
RT: 9.117 min Scan# 1026  
Delta R.T. -0.005 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

Tgt Ion: 82 Resp: 304712  
Ion Ratio Lower Upper  
82 100  
128 30.3 26.3 39.5  
54 62.5 44.3 66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

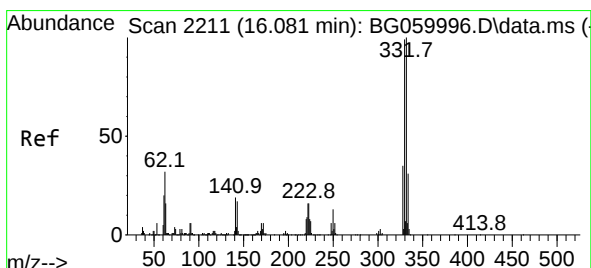
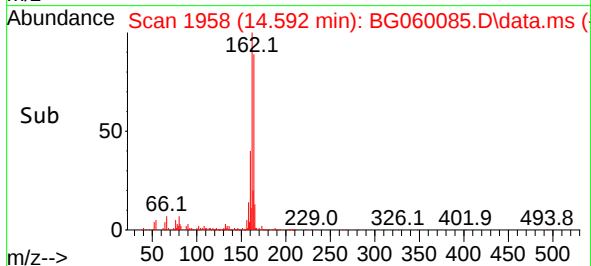
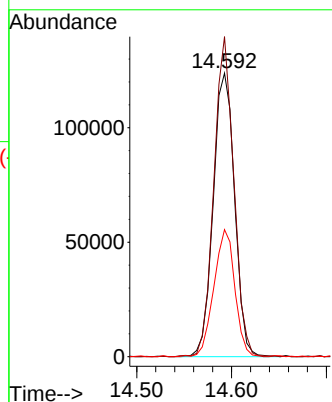
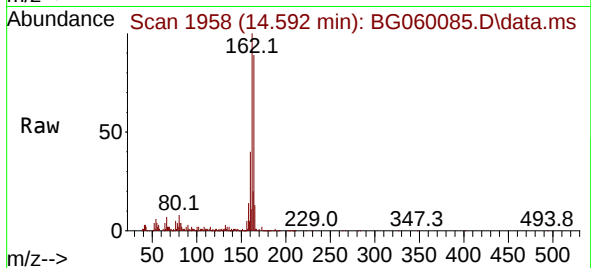
Tgt Ion:164 Resp: 194123

Ion Ratio Lower Upper

164 100

162 112.9 88.1 132.1

160 44.8 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 128.131 ng

RT: 16.085 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

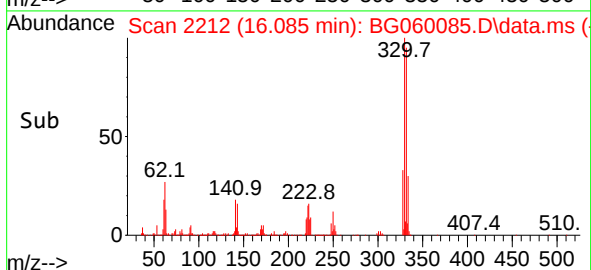
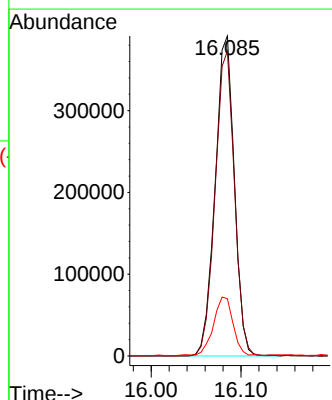
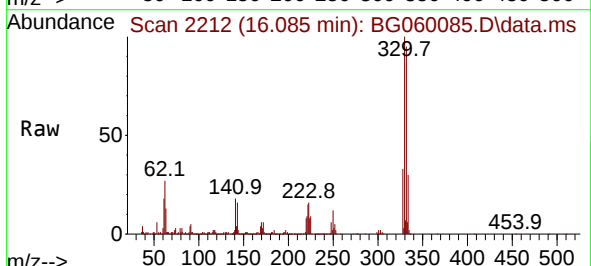
Tgt Ion:330 Resp: 579660

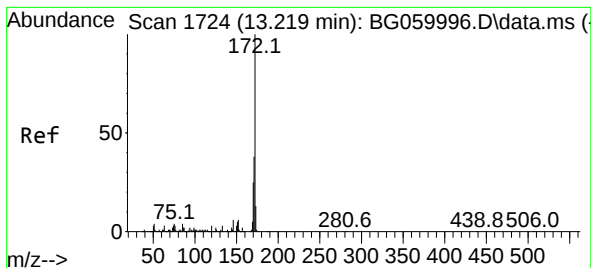
Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

141 18.9 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 69.037 ng

RT: 13.218 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

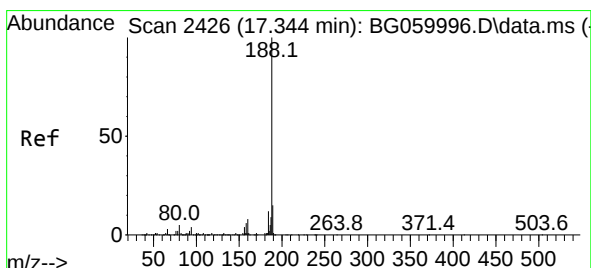
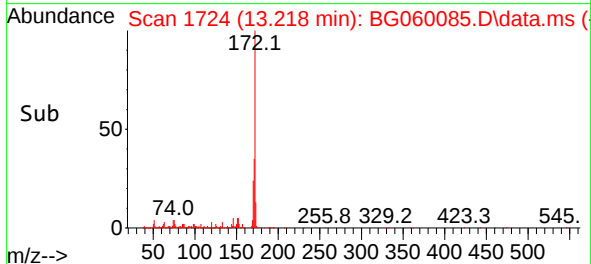
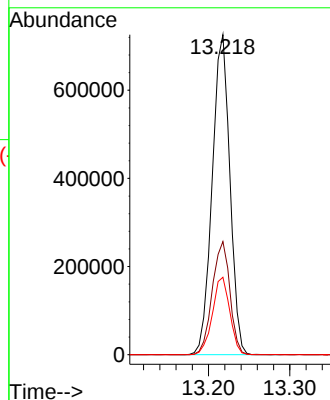
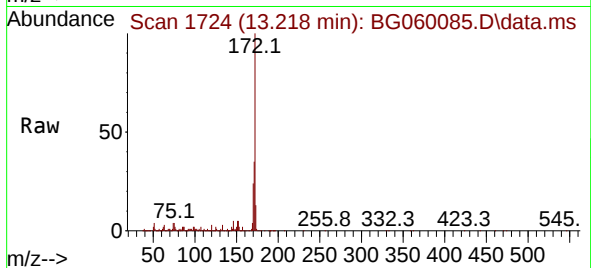
Tgt Ion:172 Resp: 1095001

Ion Ratio Lower Upper

172 100

171 35.4 30.1 45.1

170 24.2 20.0 30.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.005 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

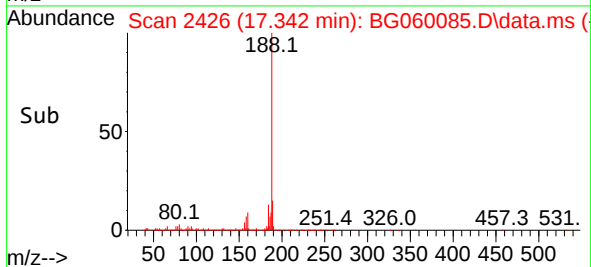
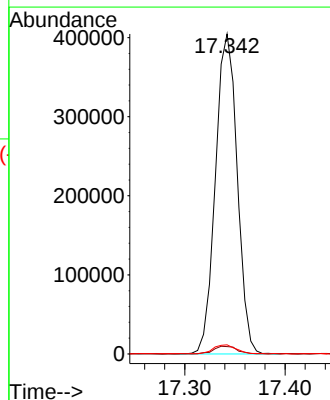
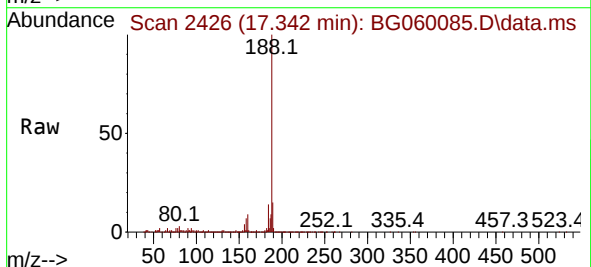
Tgt Ion:188 Resp: 609570

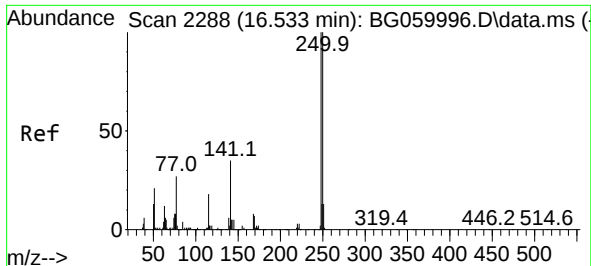
Ion Ratio Lower Upper

188 100

94 2.3 3.0 4.6#

80 2.8 4.0 6.0#

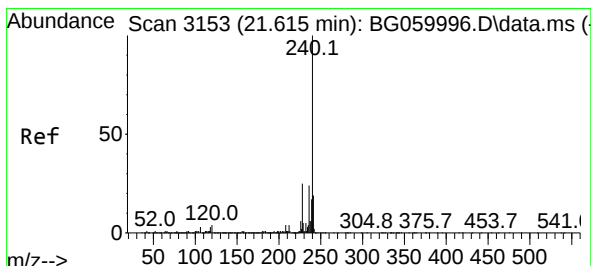
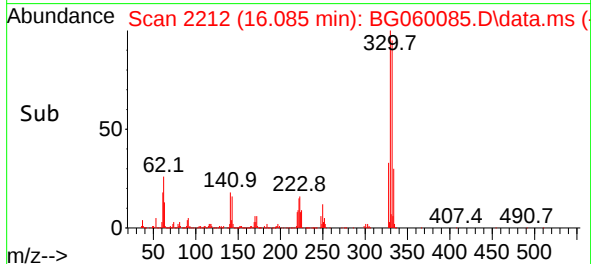
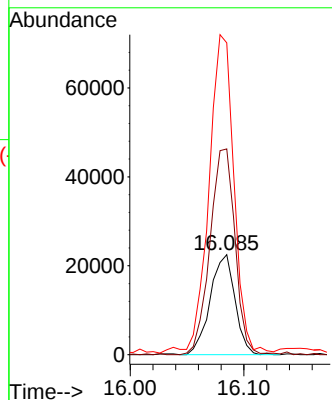
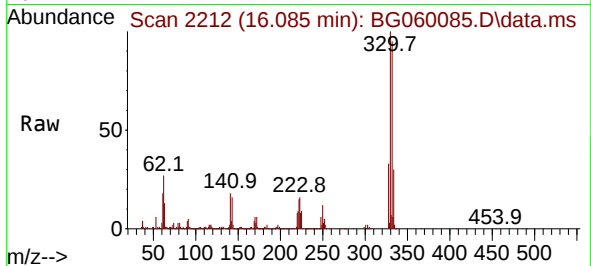




#67  
4-Bromophenyl-phenylether  
Concen: 3.972 ng  
RT: 16.085 min Scan# 211  
Delta R.T. -0.452 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

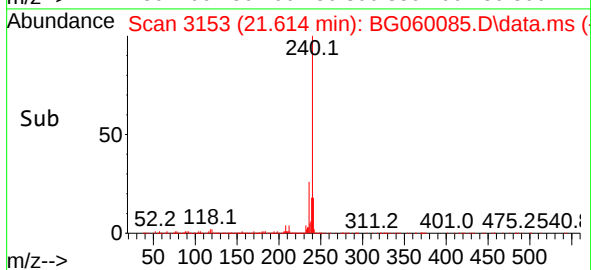
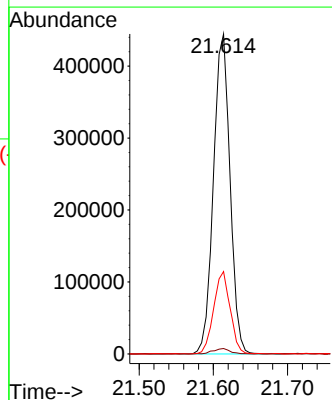
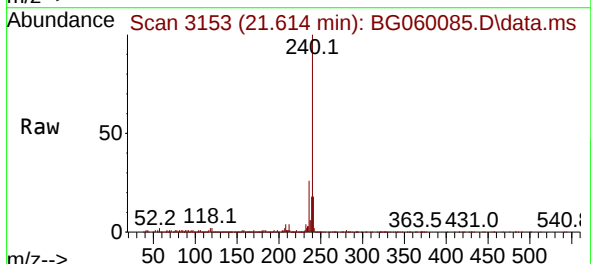
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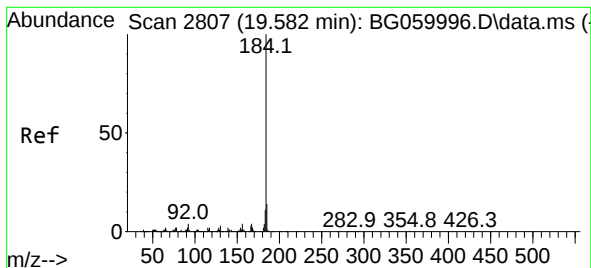
Tgt Ion:248 Resp: 34158  
Ion Ratio Lower Upper  
248 100  
250 205.6 79.9 119.9#  
141 311.7 28.3 42.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.614 min Scan# 3153  
Delta R.T. -0.005 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

Tgt Ion:240 Resp: 689485  
Ion Ratio Lower Upper  
240 100  
120 1.7 2.9 4.3#  
236 25.7 19.4 29.2





#77

Benzidine

Concen: 5.442 ng

RT: 19.963 min Scan# 2872

Delta R.T. 0.376 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

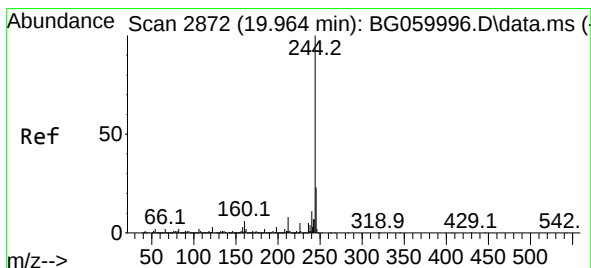
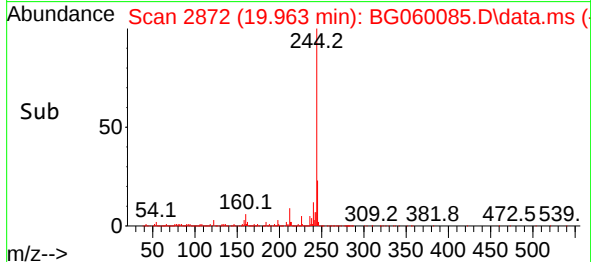
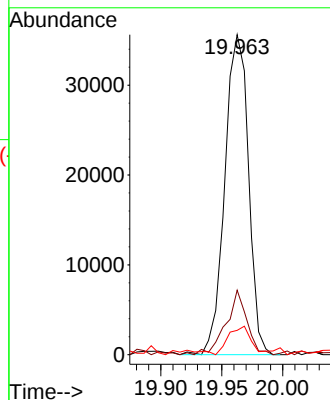
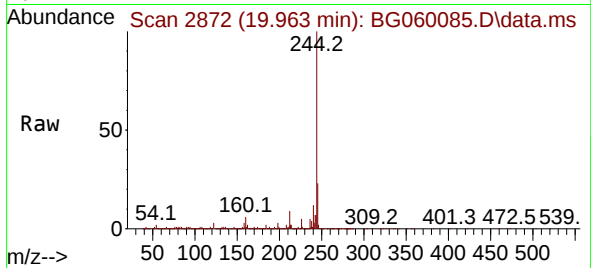
Tgt Ion:184 Resp: 48200

Ion Ratio Lower Upper

184 100

185 20.2 11.1 16.7#

183 7.6 9.0 13.4#



#79

Terphenyl-d14

Concen: 81.608 ng

RT: 19.963 min Scan# 2872

Delta R.T. -0.005 min

Lab File: BG060085.D

Acq: 19 Dec 2023 14:45

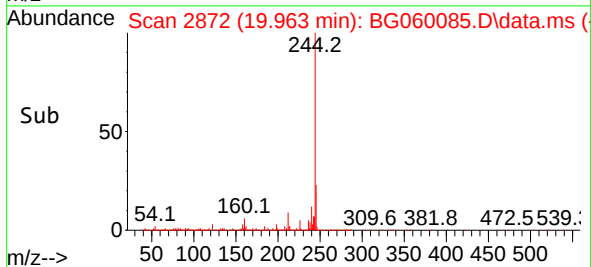
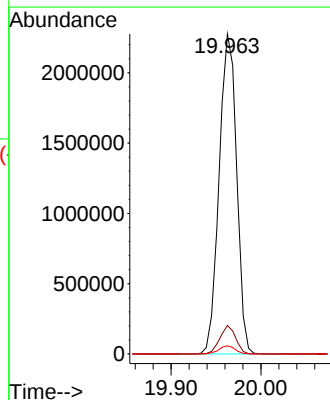
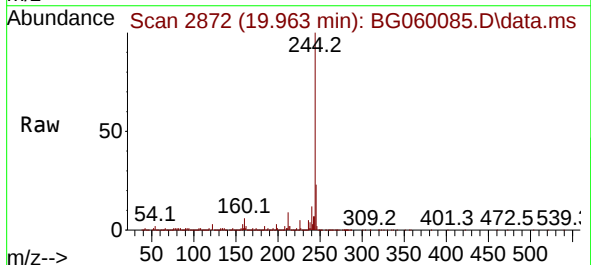
Tgt Ion:244 Resp: 3081941

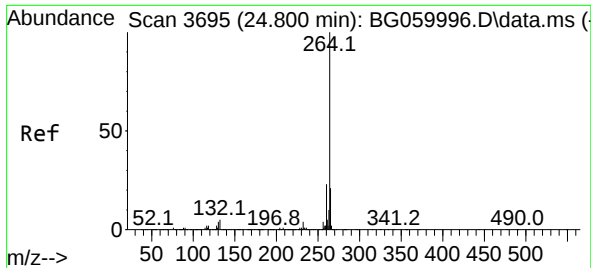
Ion Ratio Lower Upper

244 100

212 8.9 6.8 10.2

122 2.5 2.6 3.8#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.804 min Scan# 30  
Delta R.T. -0.011 min  
Lab File: BG060085.D  
Acq: 19 Dec 2023 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

Tgt Ion:264 Resp: 755187  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 18.5  | 27.7  |
| 265 | 20.8  | 17.3  | 25.9  |

