

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062519\  
 Data File : BG041451.D  
 Acq On : 25 Jun 2019 19:40  
 Operator : HP/JU  
 Sample : K3475-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOILS-1

Quant Time: Jun 26 04:57:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 14:58:02 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 33145    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.86 | 136  | 116880   | 20.00  | ng    | -0.05    |
| 39) Acenaphthene-d10        | 14.68 | 164  | 80936    | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 17.43 | 188  | 209954   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 21.70 | 240  | 217512   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12            | 24.99 | 264  | 230949   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 245200   | 135.93 | ng    | -0.03    |
| 7) Phenol-d6                | 7.20  | 99   | 314454   | 120.26 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 268372   | 96.57  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 191377   | 154.02 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 614909   | 103.26 | ng    | -0.04    |
| 79) Terphenyl-d14           | 20.03 | 244  | 1190005  | 108.42 | ng    | -0.03    |

Target Compounds Qvalue

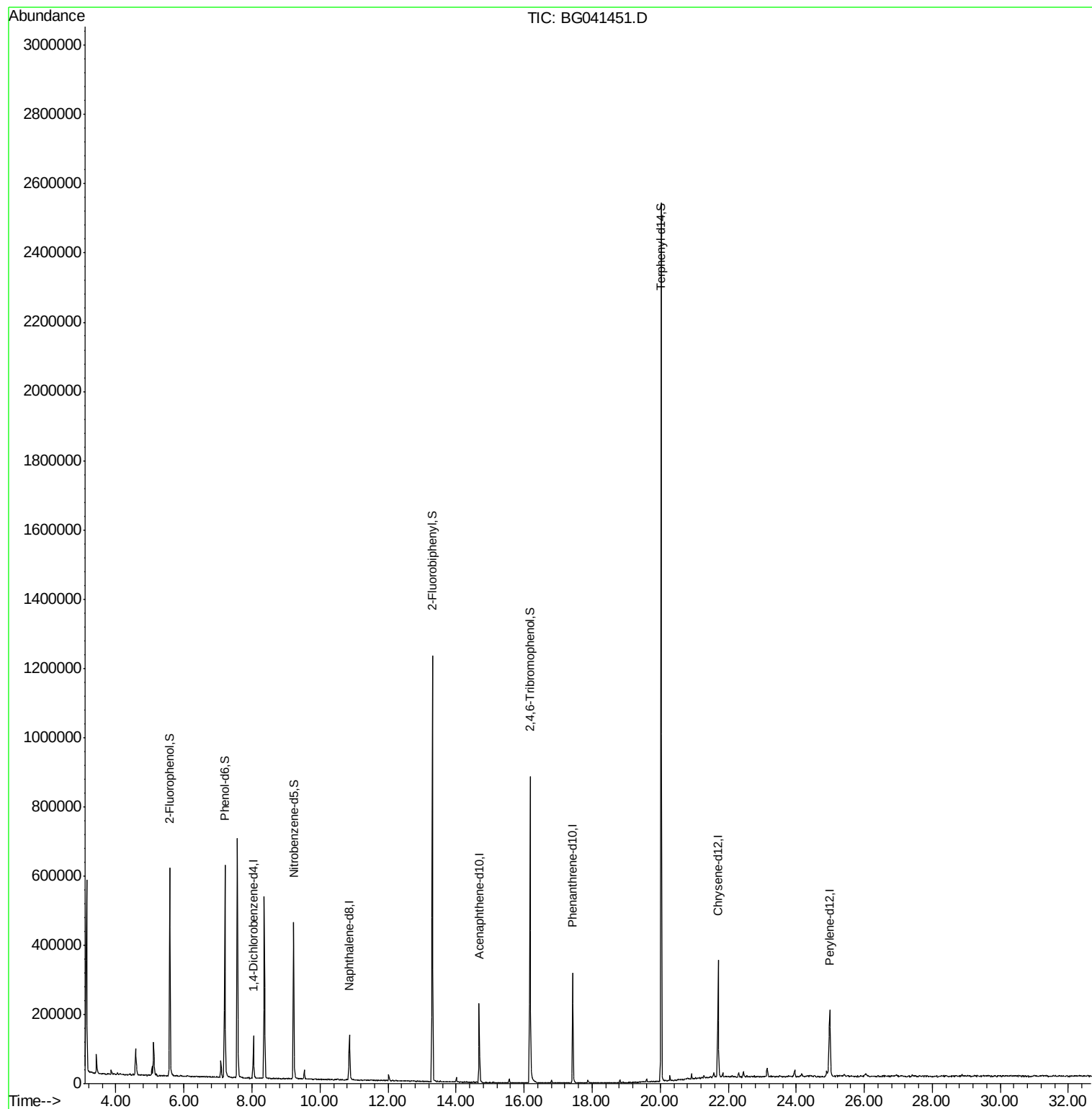
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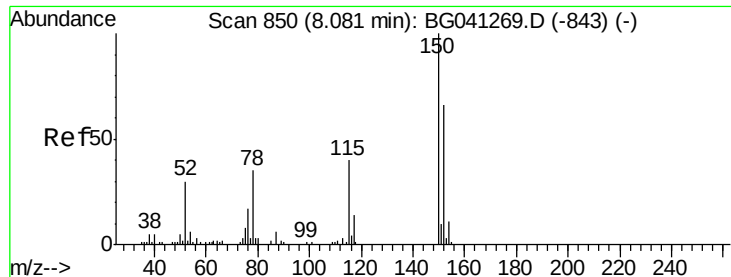
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062519\  
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Sample : K3475-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SOILS-1

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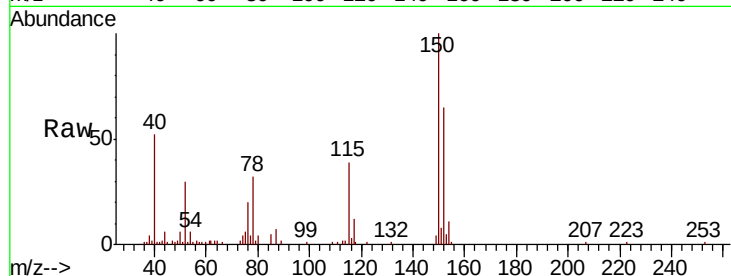


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.04 min  
Lab File: BG041451.D  
Acq: 25 Jun 2019 19:40

Instrument :  
BNA\_G  
ClientSampleId :  
SOILS-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.1 | 120.6 | 181.0 |
| 115     | 60.0  | 47.9  | 71.9  |

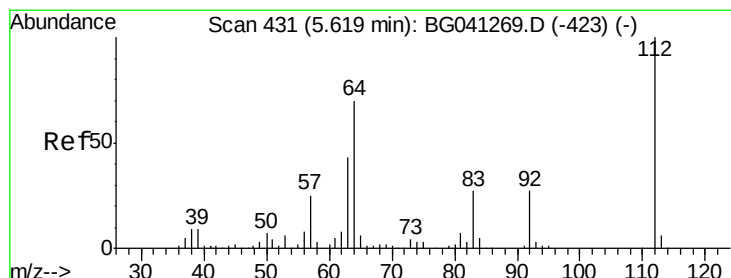
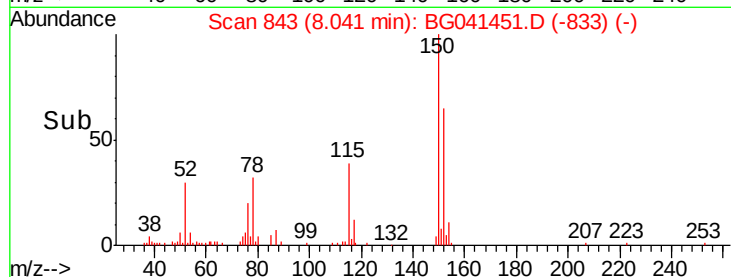
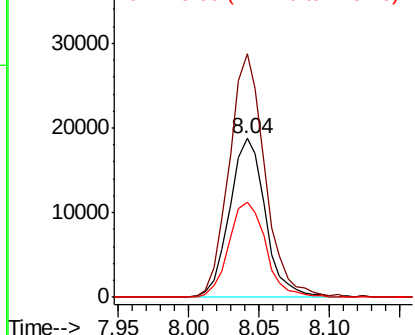


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

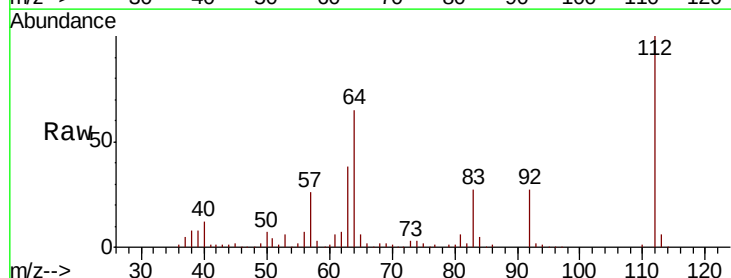
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 135.928 ng  
RT: 5.59 min Scan# 425  
Delta R.T. -0.03 min  
Lab File: BG041451.D  
Acq: 25 Jun 2019 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.4  | 55.9  | 83.9  |
| 63      | 38.2  | 34.6  | 51.8  |

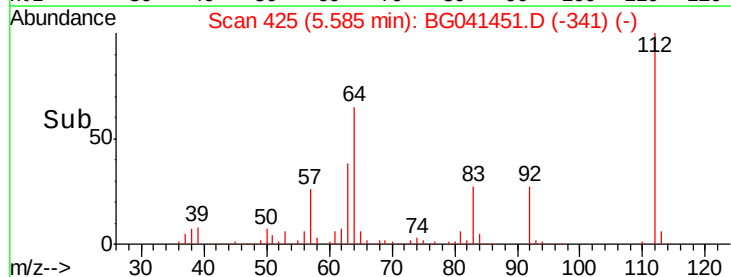
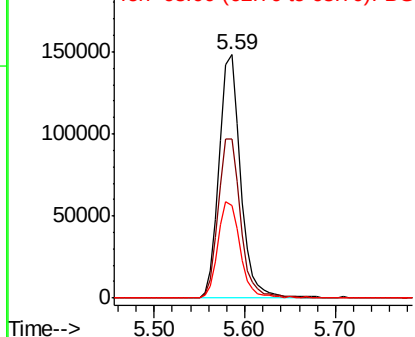


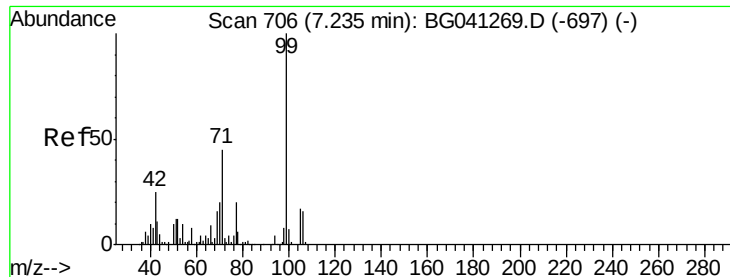
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 120.261 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA\_G

ClientSampled :

SOILS-1

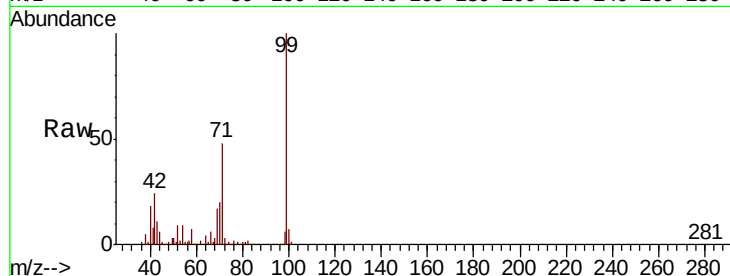
Tot Ion: 99 Resp: 314454

Ion Ratio Lower Upper

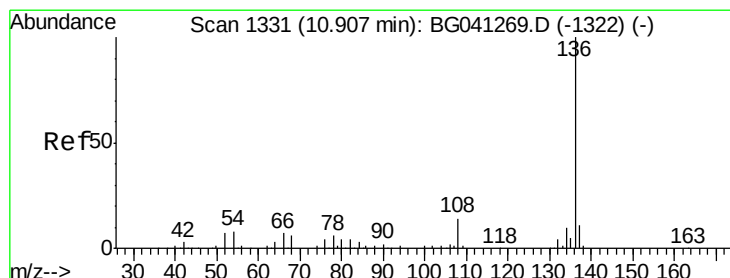
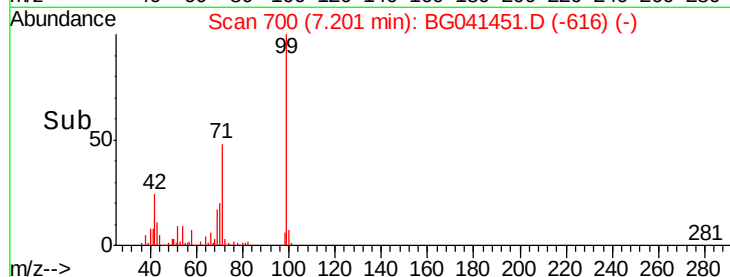
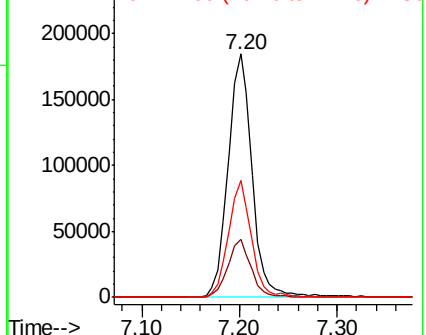
99 100

42 23.7 19.9 29.9

71 48.0 36.4 54.6



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Tgt Ion: 136 Resp: 116880

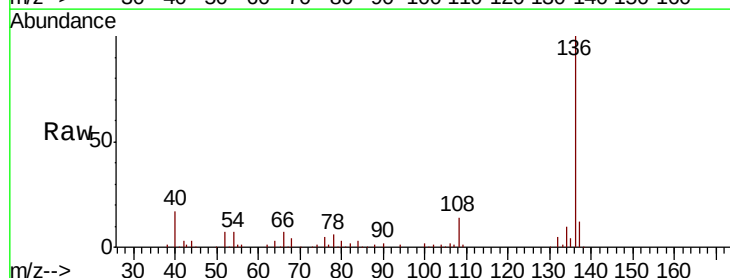
Ion Ratio Lower Upper

136 100

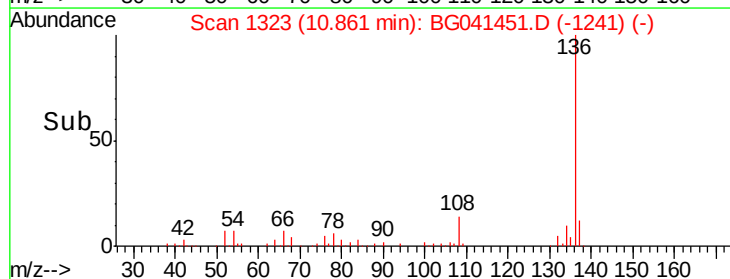
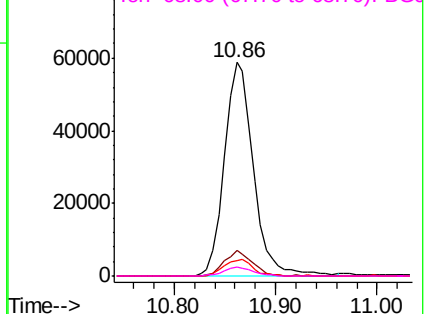
137 12.0 8.8 13.2

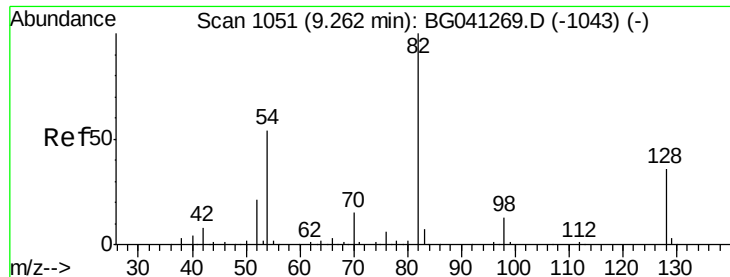
54 7.4 6.4 9.6

68 4.4 4.8 7.2#



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

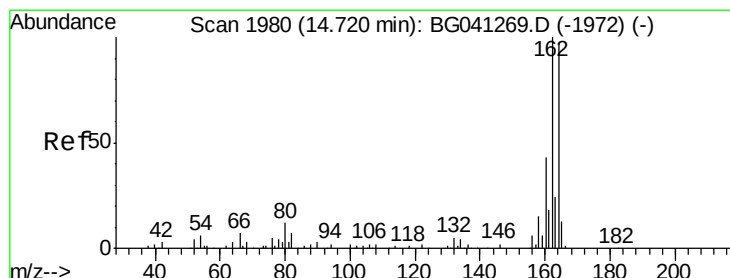
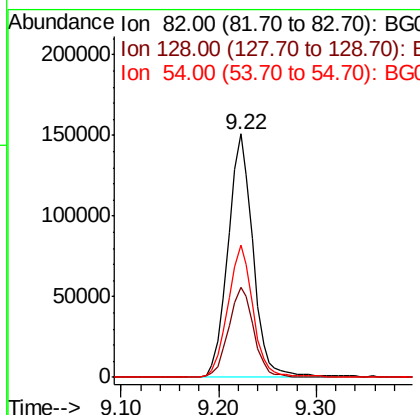
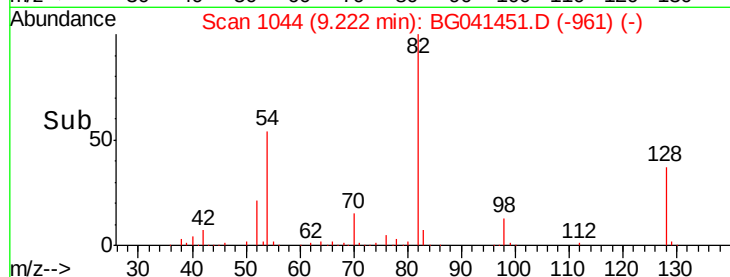
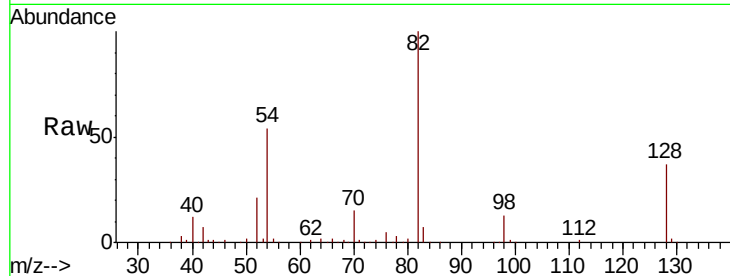




#23  
 Nitrobenzene-d5  
 Concen: 96.567 ng  
 RT: 9.22 min Scan# 1044  
 Delta R.T. -0.04 min  
 Lab File: BG041451.D  
 Acq: 25 Jun 2019 19:40

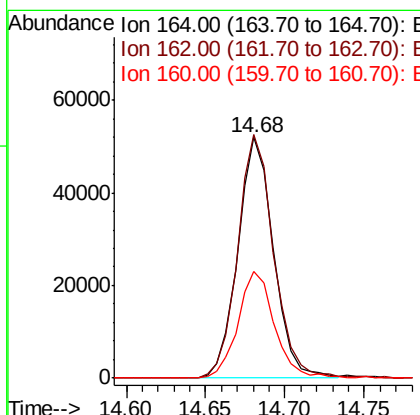
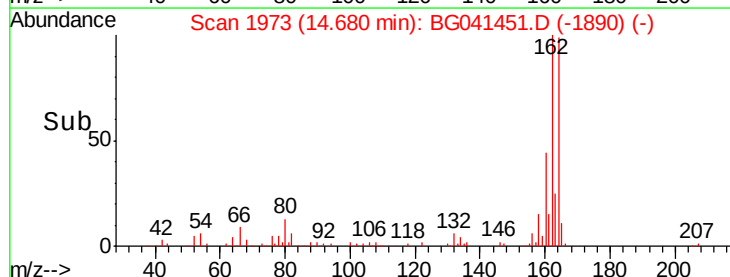
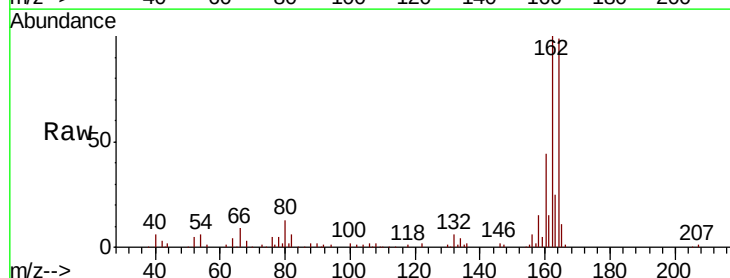
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOILS-1

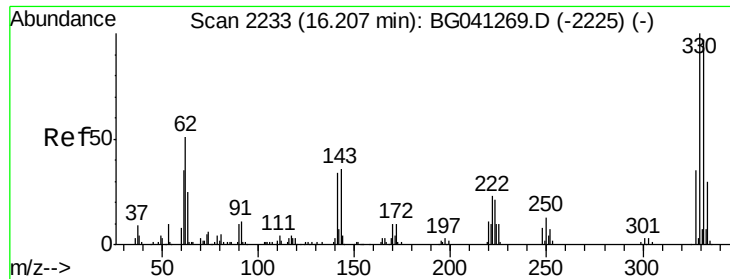
| Tot Ion   | 82    | Resp  | 268372 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.1  | 29.2  | 43.8   |
| 54        | 54.4  | 43.4  | 65.0   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1973  
 Delta R.T. -0.04 min  
 Lab File: BG041451.D  
 Acq: 25 Jun 2019 19:40

| Tgt Ion   | 164   | Resp  | 80936 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.1 | 82.8  | 124.2 |
| 160       | 44.5  | 35.8  | 53.8  |

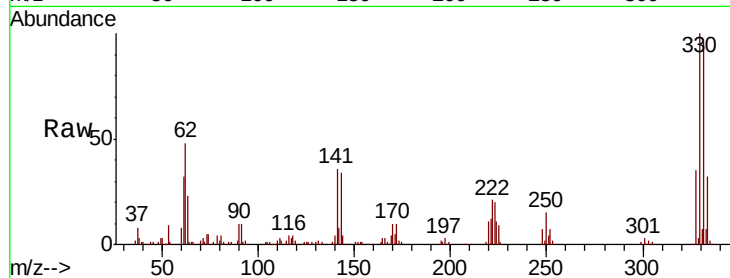




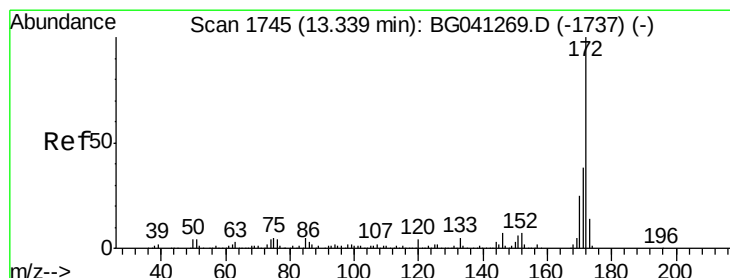
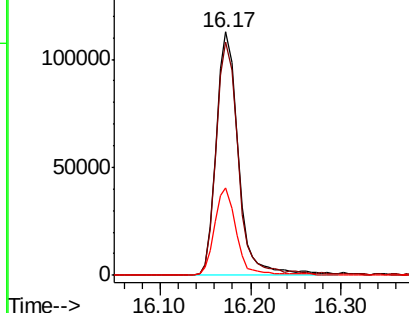
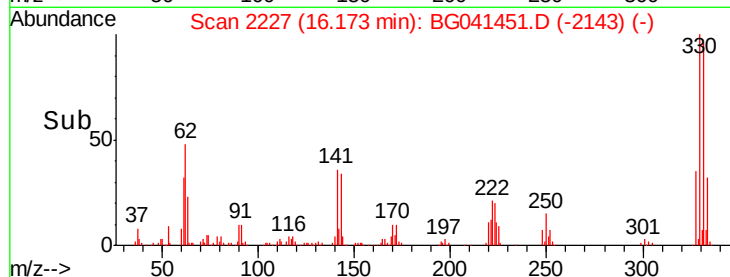
#42  
 2,4,6-Tribromophenol  
 Concen: 154.020 ng  
 RT: 16.17 min Scan# 2227  
 Delta R.T. -0.03 min  
 Lab File: BG041451.D  
 Acq: 25 Jun 2019 19:40

Instrument :  
 BNA\_G  
 ClientSampled :  
 SOILS-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 75.5  | 113.3 |
| 141     | 35.8  | 29.0  | 43.4  |

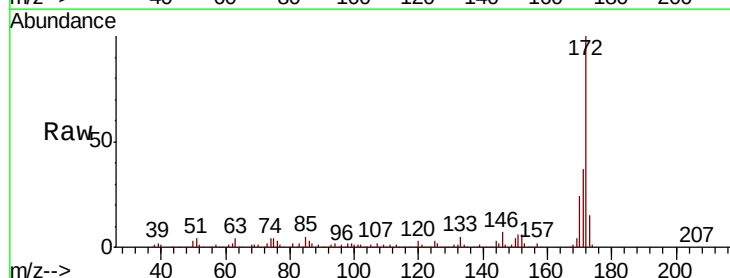


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

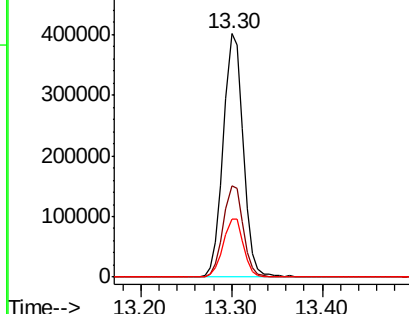
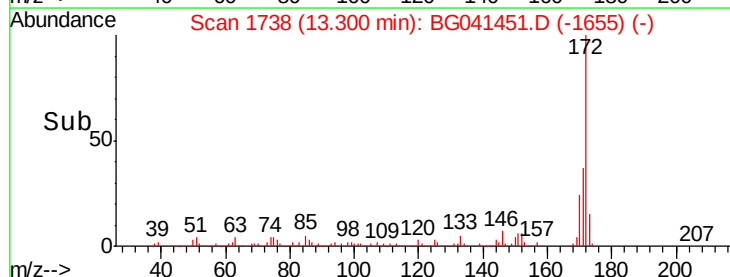


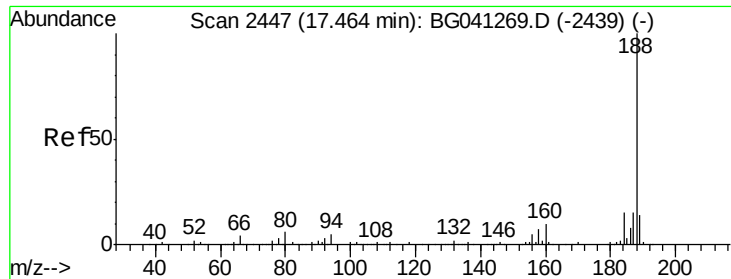
#45  
 2-Fluorobiphenyl  
 Concen: 103.261 ng  
 RT: 13.30 min Scan# 1738  
 Delta R.T. -0.04 min  
 Lab File: BG041451.D  
 Acq: 25 Jun 2019 19:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.0  | 45.0  |
| 170     | 24.0  | 19.8  | 29.6  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA\_G

ClientSampleId :

SOILS-1

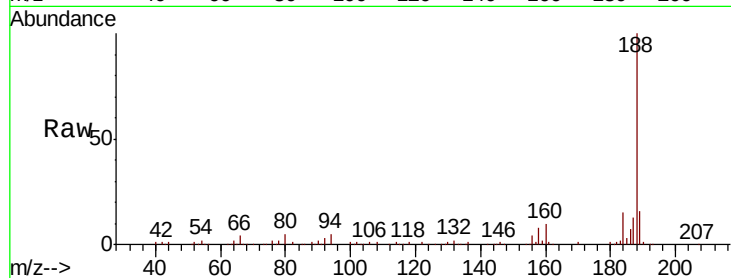
Tot Ion:188 Resp: 209954

Ion Ratio Lower Upper

188 100

94 5.1 3.6 5.4

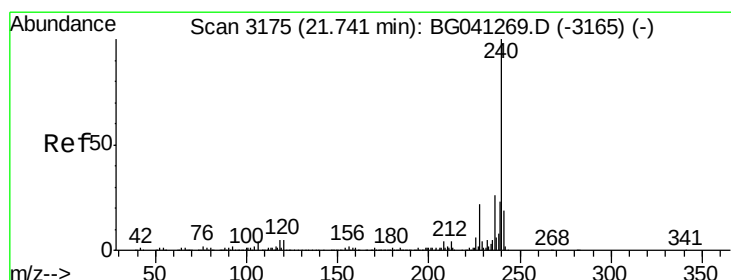
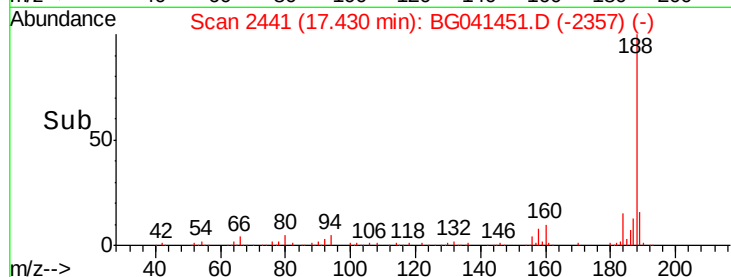
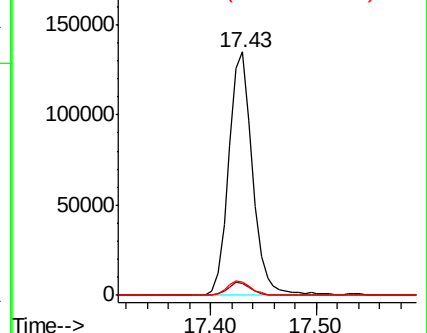
80 5.2 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

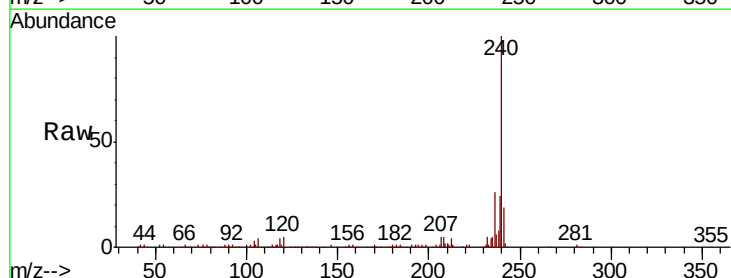
Tgt Ion:240 Resp: 217512

Ion Ratio Lower Upper

240 100

120 4.6 3.7 5.5

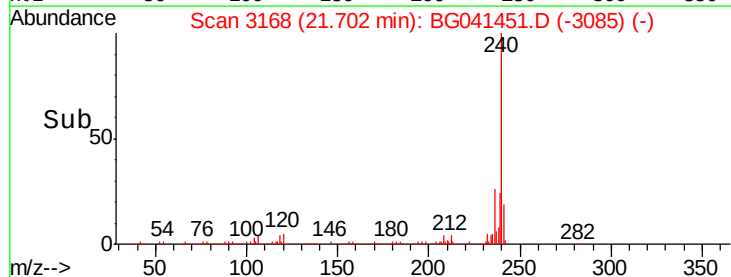
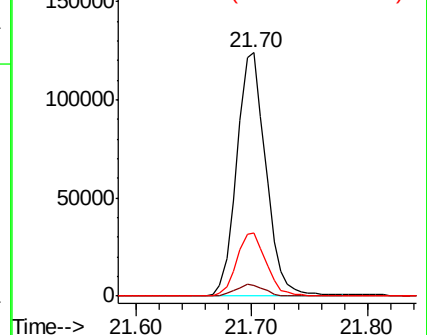
236 26.2 21.1 31.7

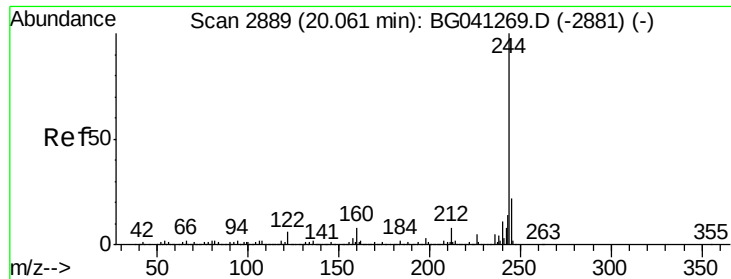


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 108.424 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

Instrument :

BNA\_G

ClientSampleId :

SOILS-1

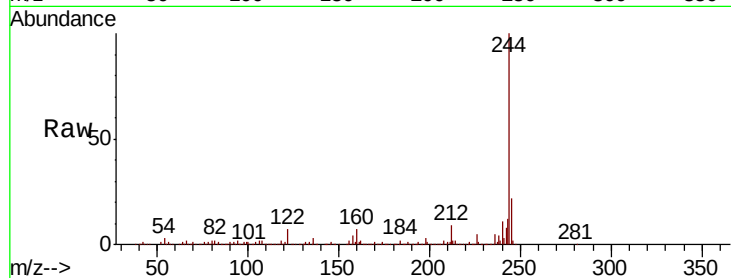
Tot Ion:244 Resp: 1190005

Ion Ratio Lower Upper

244 100

212 8.8 6.6 10.0

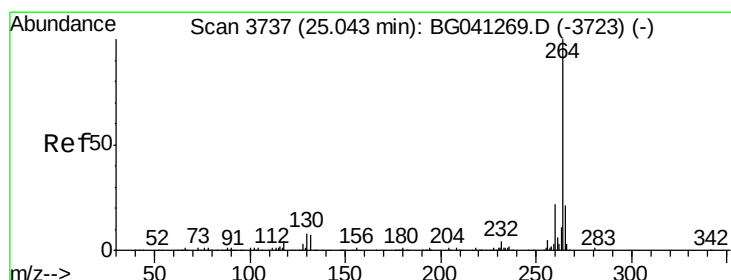
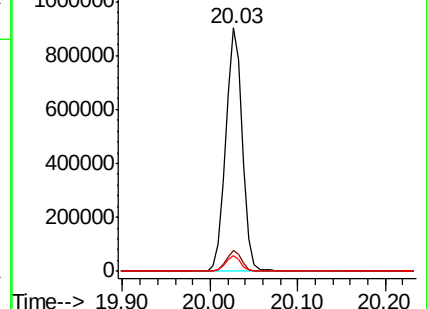
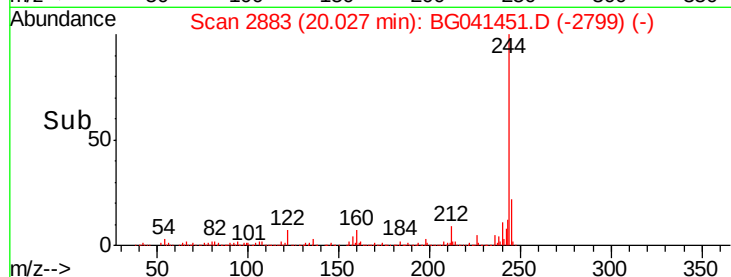
122 6.7 5.0 7.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG041451.D

Acq: 25 Jun 2019 19:40

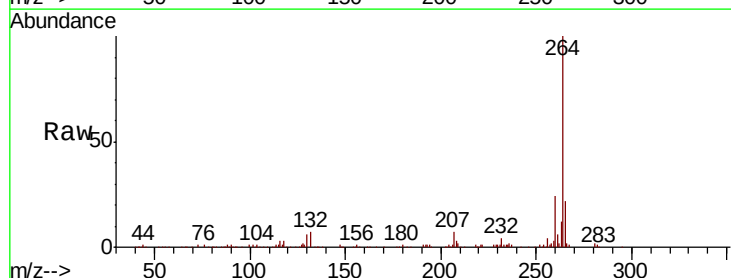
Tgt Ion:264 Resp: 230949

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.2

265 22.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

