

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\  
 Data File : BG037382.D  
 Acq On : 17 Oct 2018 8:54  
 Operator : JU/SJ  
 Sample : J5524-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Oct 17 11:21:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 11 13:59:58 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 62219    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.93 | 136  | 260506   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.74 | 164  | 175327   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.49 | 188  | 441559   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.78 | 240  | 417534   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.11 | 264  | 415624   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 399063   | 112.88 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 515867   | 96.13  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 358140   | 90.39  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 189624   | 110.28 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.37 | 172  | 852786   | 73.05  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.09 | 244  | 1427357  | 71.78  | ng    | -0.01    |

Target Compounds Qvalue

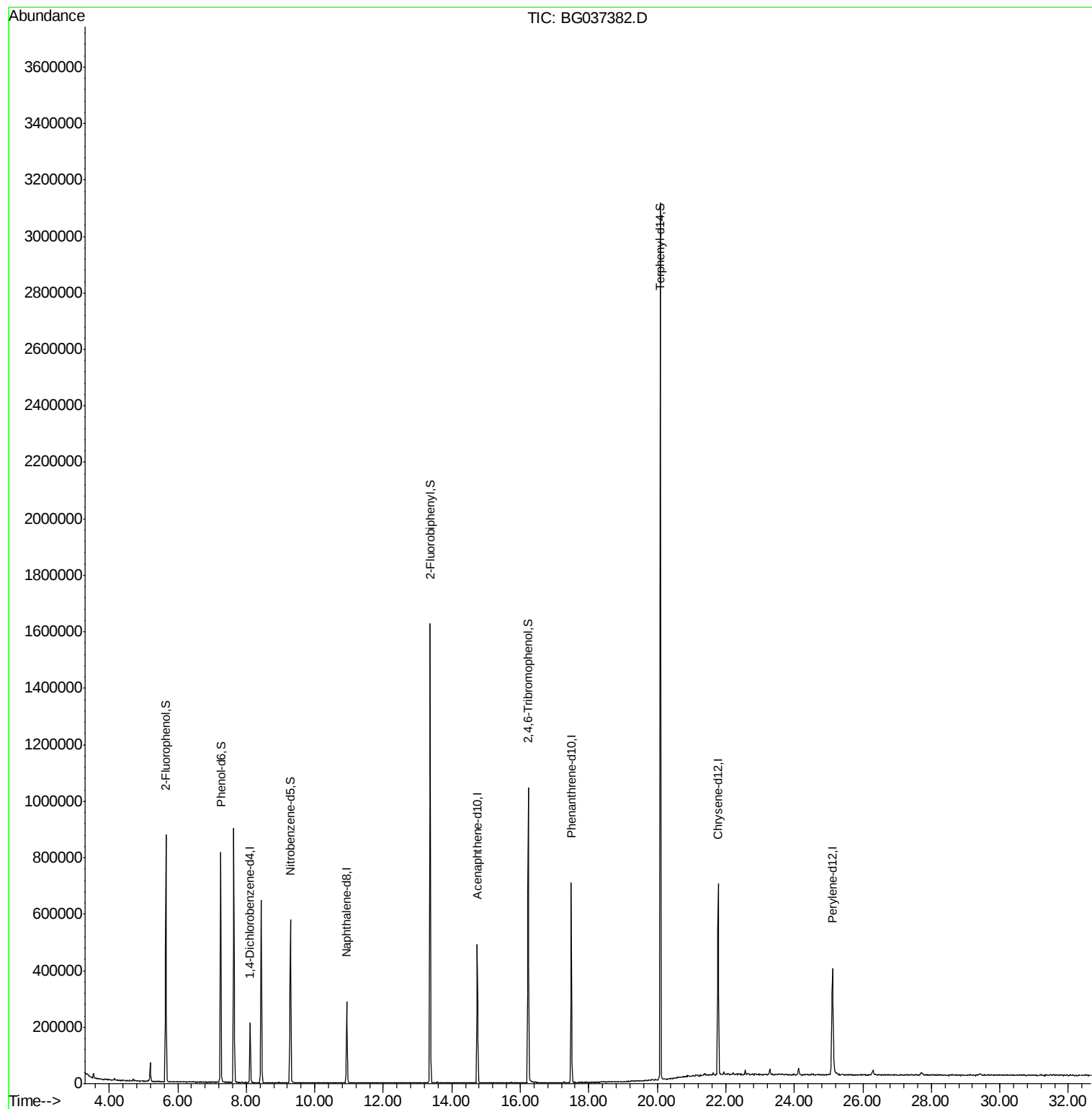
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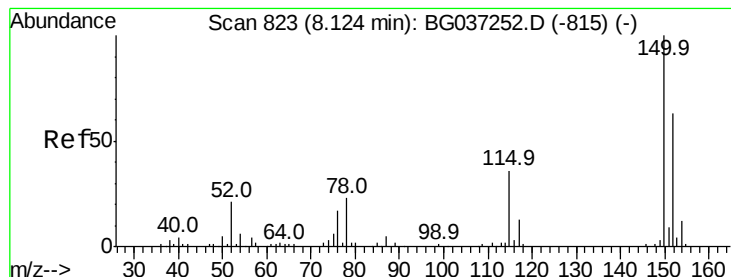
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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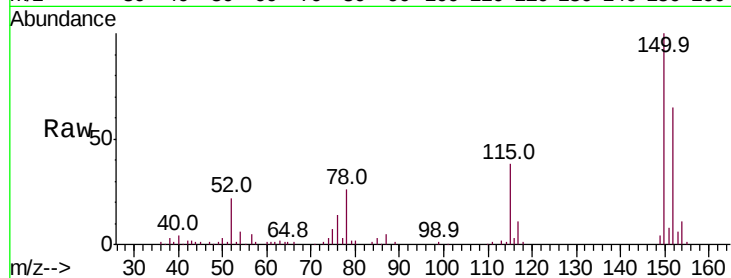




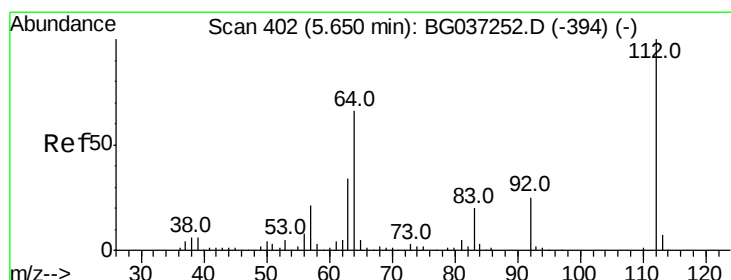
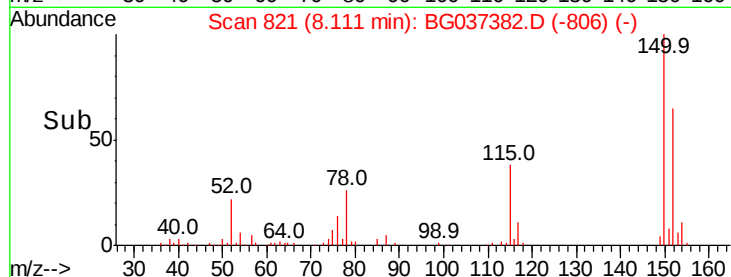
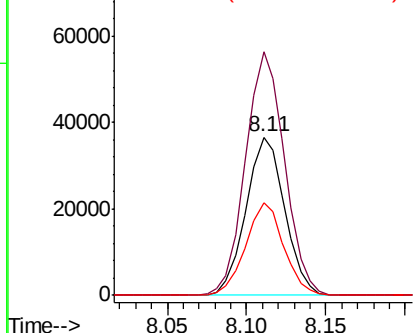
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

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

Tot Ion:152 Resp: 62219  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 126.0 189.0  
 115 58.2 45.5 68.3

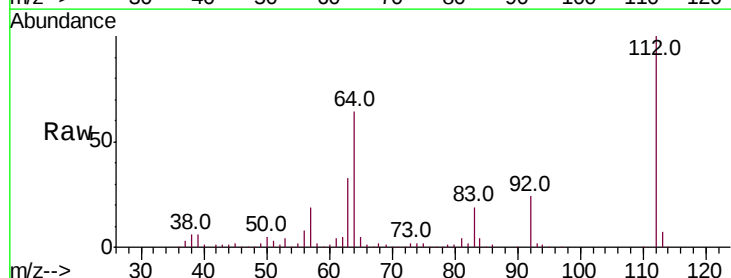


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

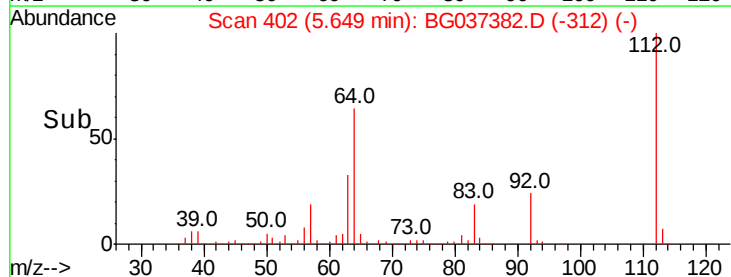
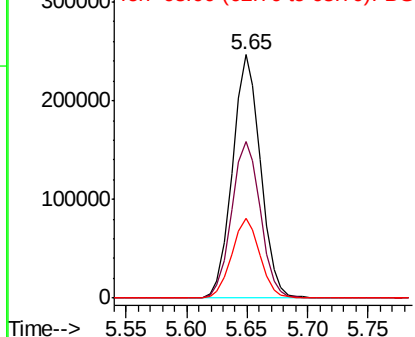


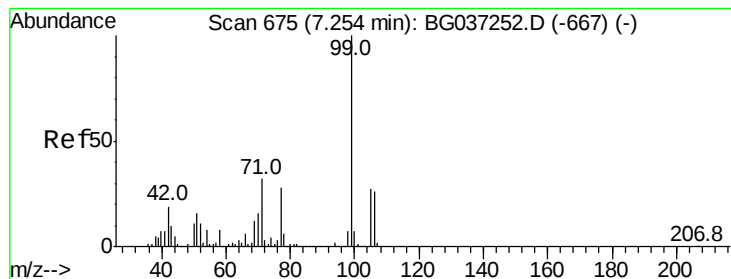
#5  
 2-Fluorophenol  
 Concen: 112.878 ng  
 RT: 5.65 min Scan# 402  
 Delta R.T. -0.00 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

Tgt Ion:112 Resp: 399063  
 Ion Ratio Lower Upper  
 112 100  
 64 64.4 53.1 79.7  
 63 32.9 27.3 40.9



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: 96.134 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

BNA\_G

ClientSampleId :

BS-SOIL-2

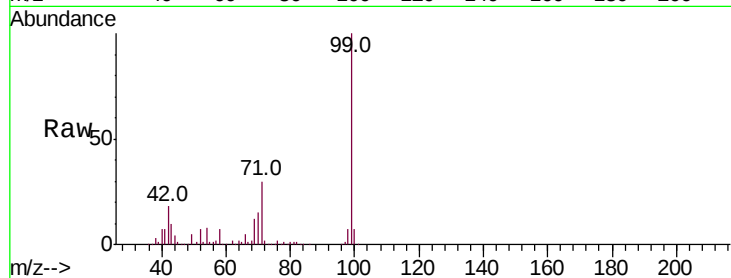
Tot Ion: 99 Resp: 515867

Ion Ratio Lower Upper

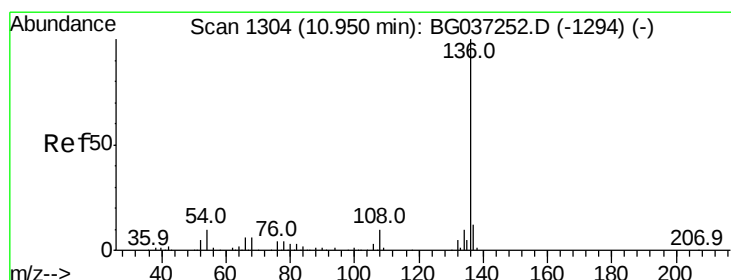
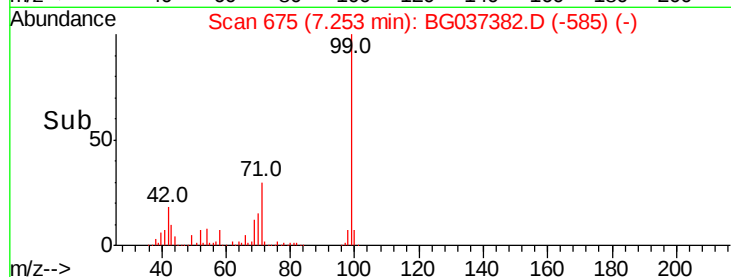
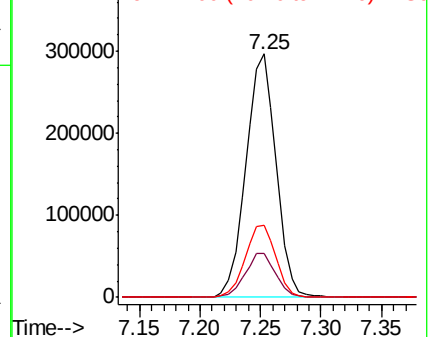
99 100

42 17.8 15.0 22.4

71 29.9 25.5 38.3



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: 10.93 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Tgt Ion: 136 Resp: 260506

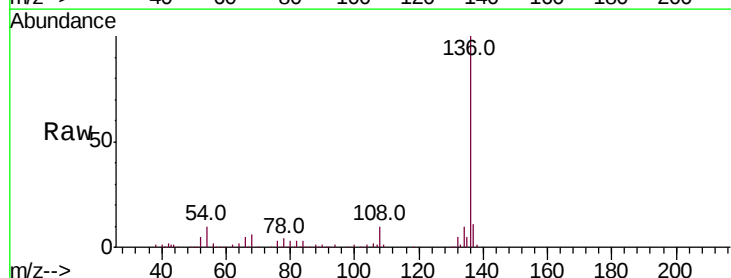
Ion Ratio Lower Upper

136 100

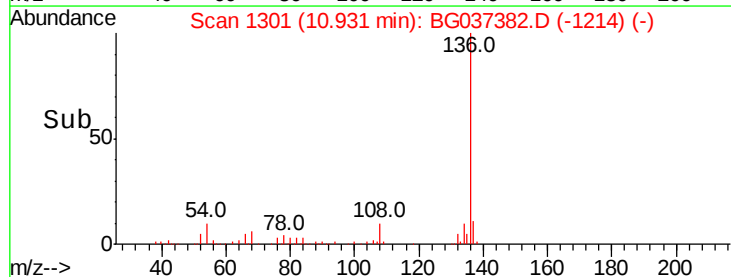
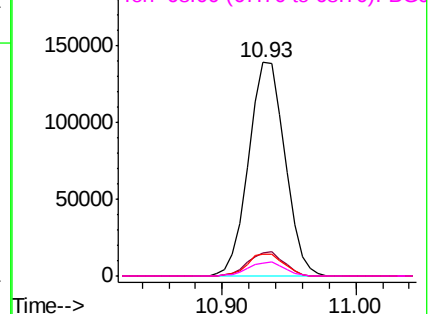
137 11.0 9.6 14.4

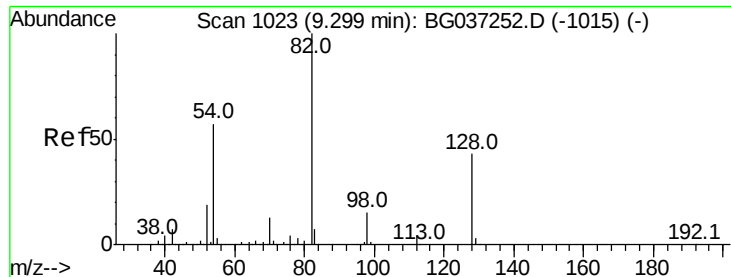
54 10.2 7.9 11.9

68 6.0 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

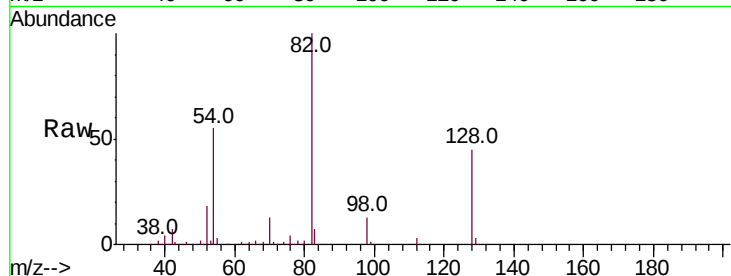




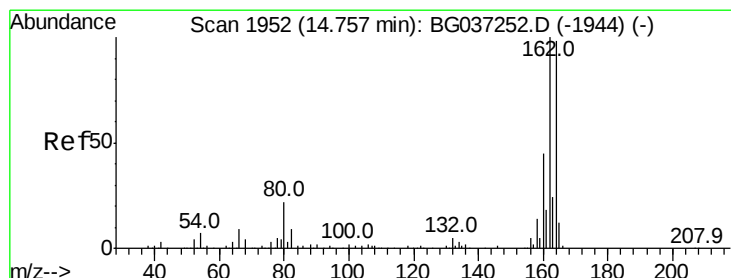
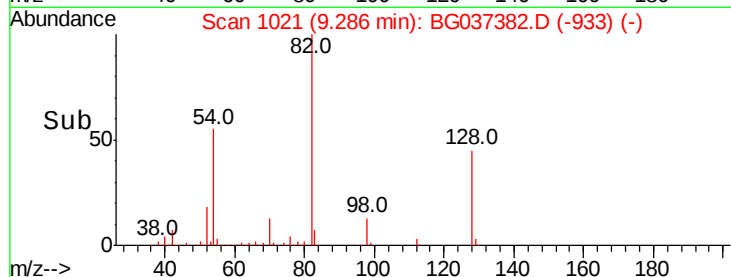
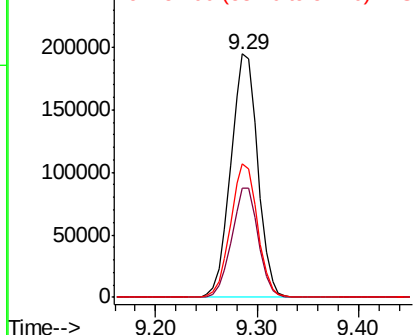
#23  
 Nitrobenzene-d5  
 Concen: 90.385 ng  
 RT: 9.29 min Scan# 1021  
 Delta R.T. -0.01 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.0  | 34.6  | 51.8  |
| 54      | 55.0  | 45.3  | 67.9  |

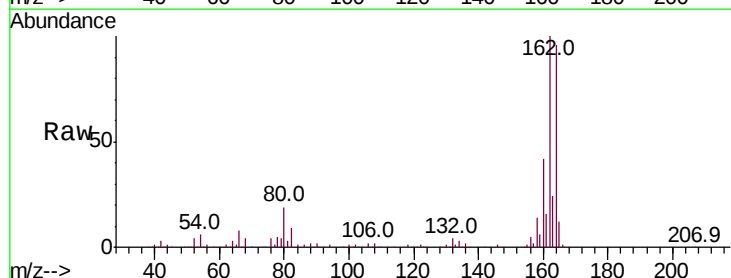


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

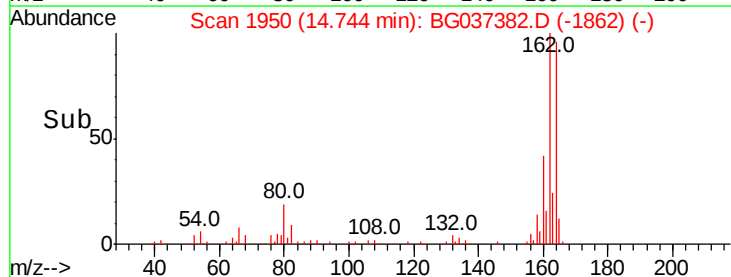
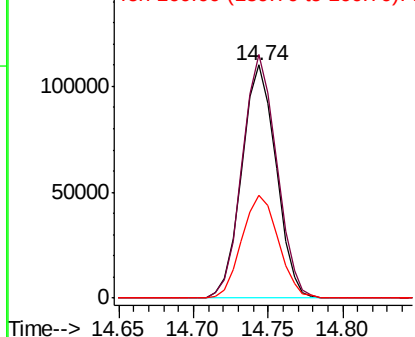


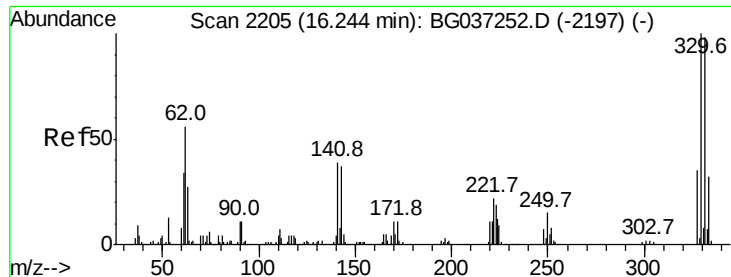
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.74 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 81.3  | 121.9 |
| 160     | 44.0  | 36.3  | 54.5  |



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

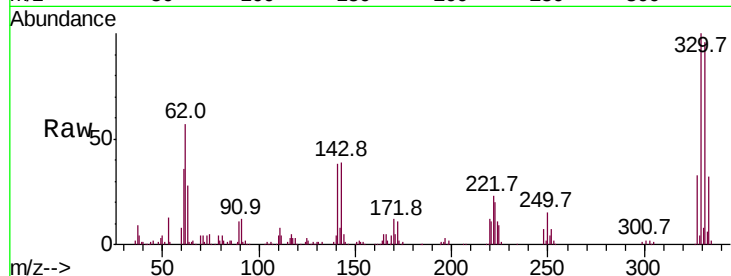




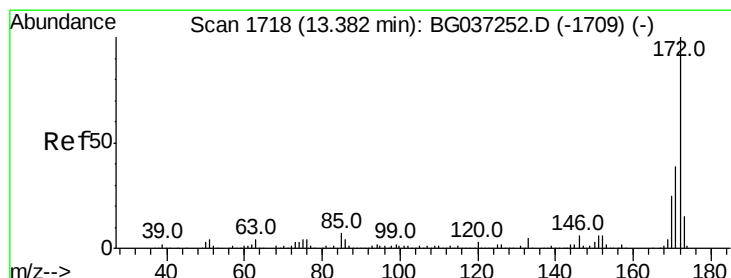
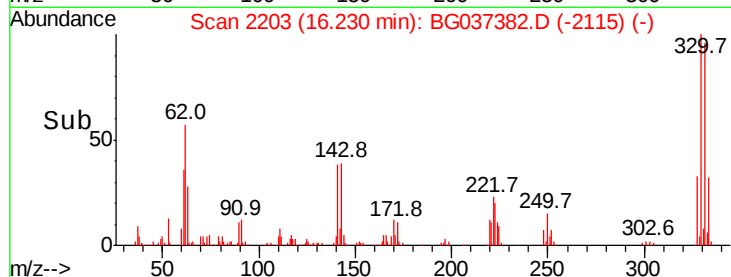
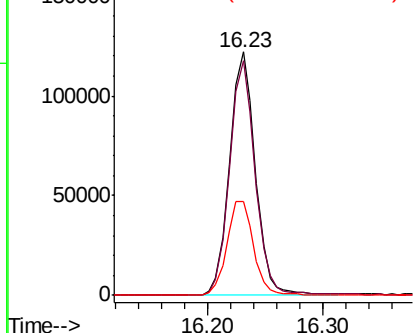
#42  
 2,4,6-Tribromophenol  
 Concen: 110.281 ng  
 RT: 16.23 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 78.4  | 117.6 |
| 141     | 40.2  | 32.2  | 48.2  |

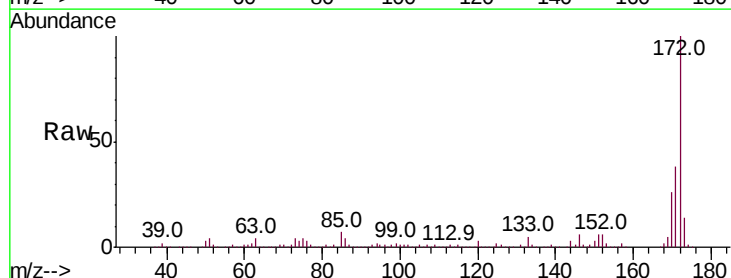


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

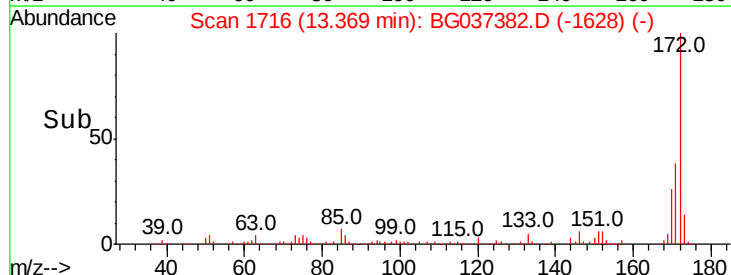
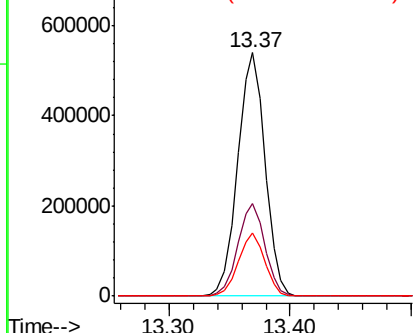


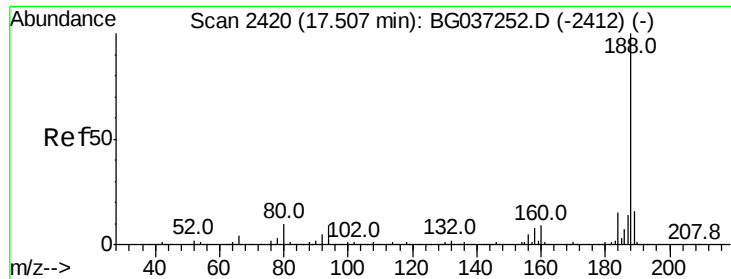
#45  
 2-Fluorobiphenyl  
 Concen: 73.045 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG037382.D  
 Acq: 17 Oct 2018 8:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 31.0  | 46.4  |
| 170     | 26.0  | 20.2  | 30.2  |



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

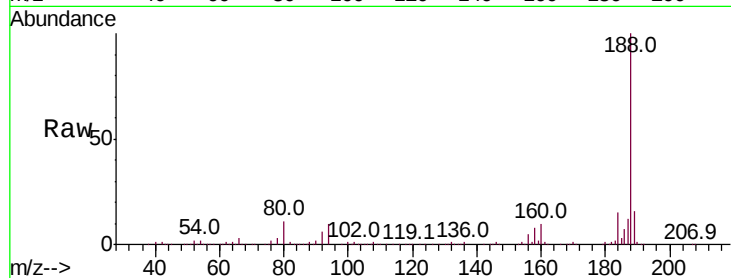




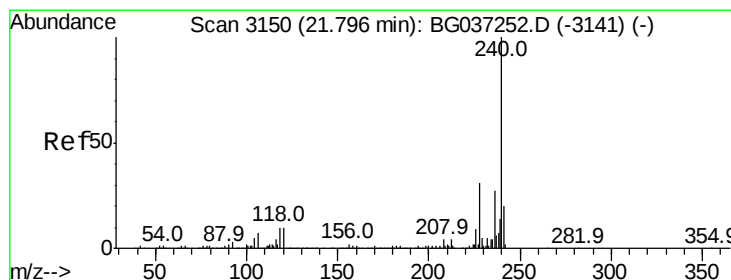
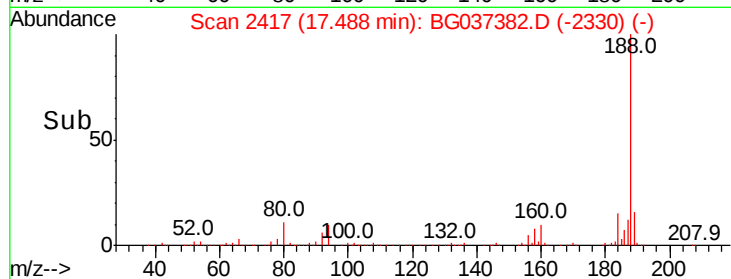
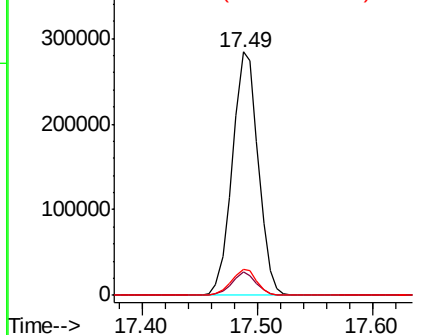
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2417  
Delta R.T. -0.02 min  
Lab File: BG037382.D  
Acq: 17 Oct 2018 8:54

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

Tot Ion:188 Resp: 441559  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.2 10.8  
80 10.6 7.7 11.5

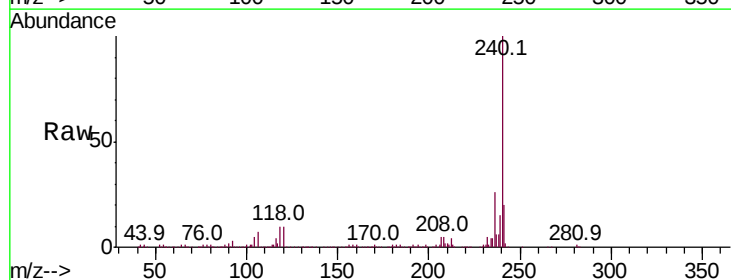


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

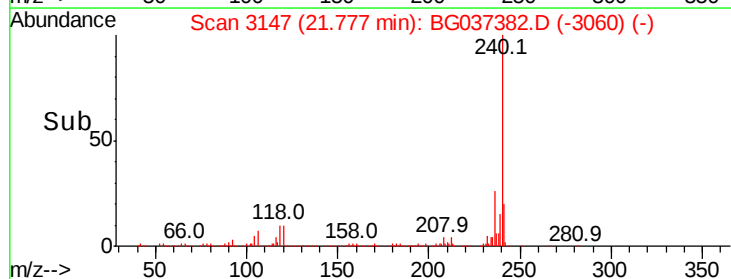
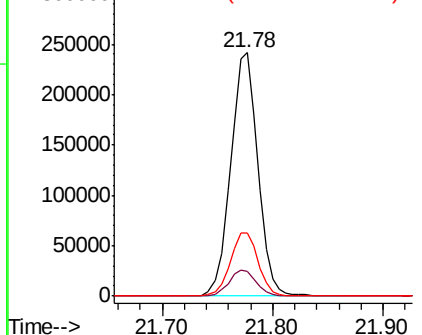


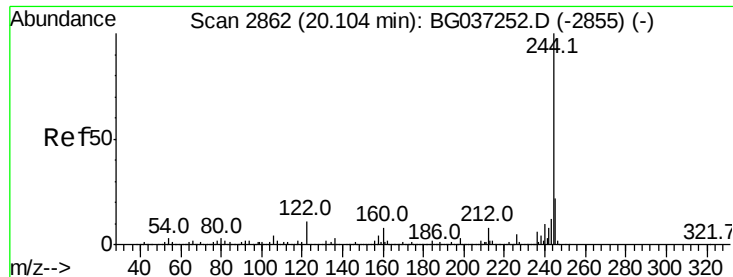
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.78 min Scan# 3147  
Delta R.T. -0.02 min  
Lab File: BG037382.D  
Acq: 17 Oct 2018 8:54

Tgt Ion:240 Resp: 417534  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.1 12.1  
236 26.0 21.4 32.0



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: 71.781 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

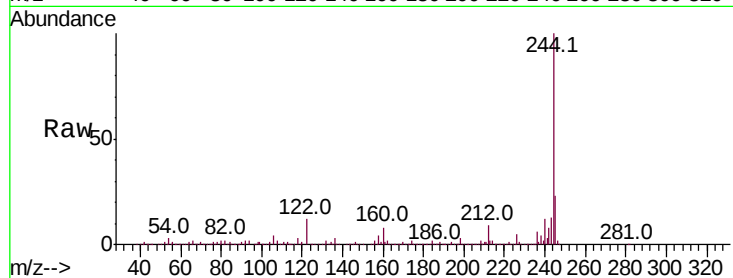
BNA\_G

ClientSampleId :

BS-SOIL-2

Tot Ion:244 Resp: 1427357

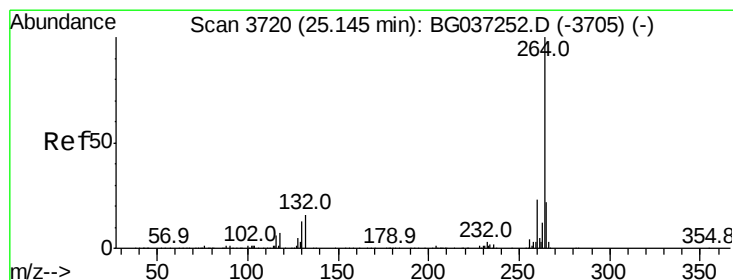
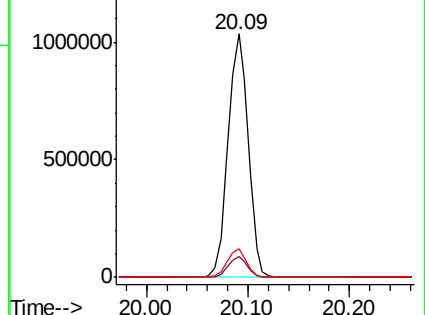
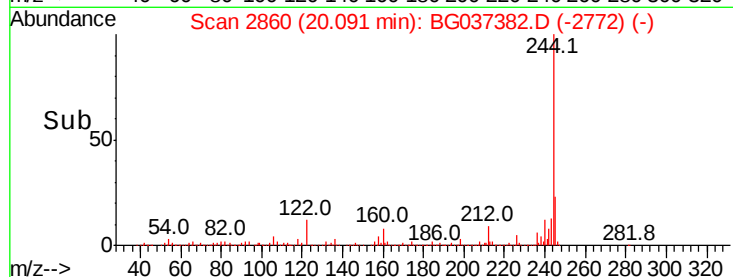
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 6.5   | 9.7   |
| 122 | 11.6  | 9.0   | 13.4  |



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: 25.11 min Scan# 3715

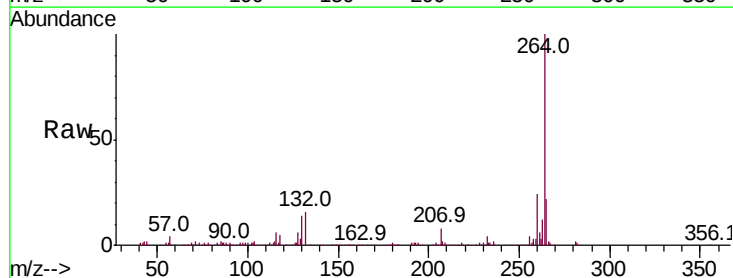
Delta R.T. -0.03 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Tgt Ion:264 Resp: 415624

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.2  | 27.4  |
| 265 | 22.0  | 17.9  | 26.9  |



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

