

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\  
 Data File : BG041562.D  
 Acq On : 1 Jul 2019 17:03  
 Operator : HP/JU  
 Sample : K3573-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SR-SOIL-COMP-1

Quant Time: Jul 02 03:34:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 2019  
 Response via : Initial Calibration

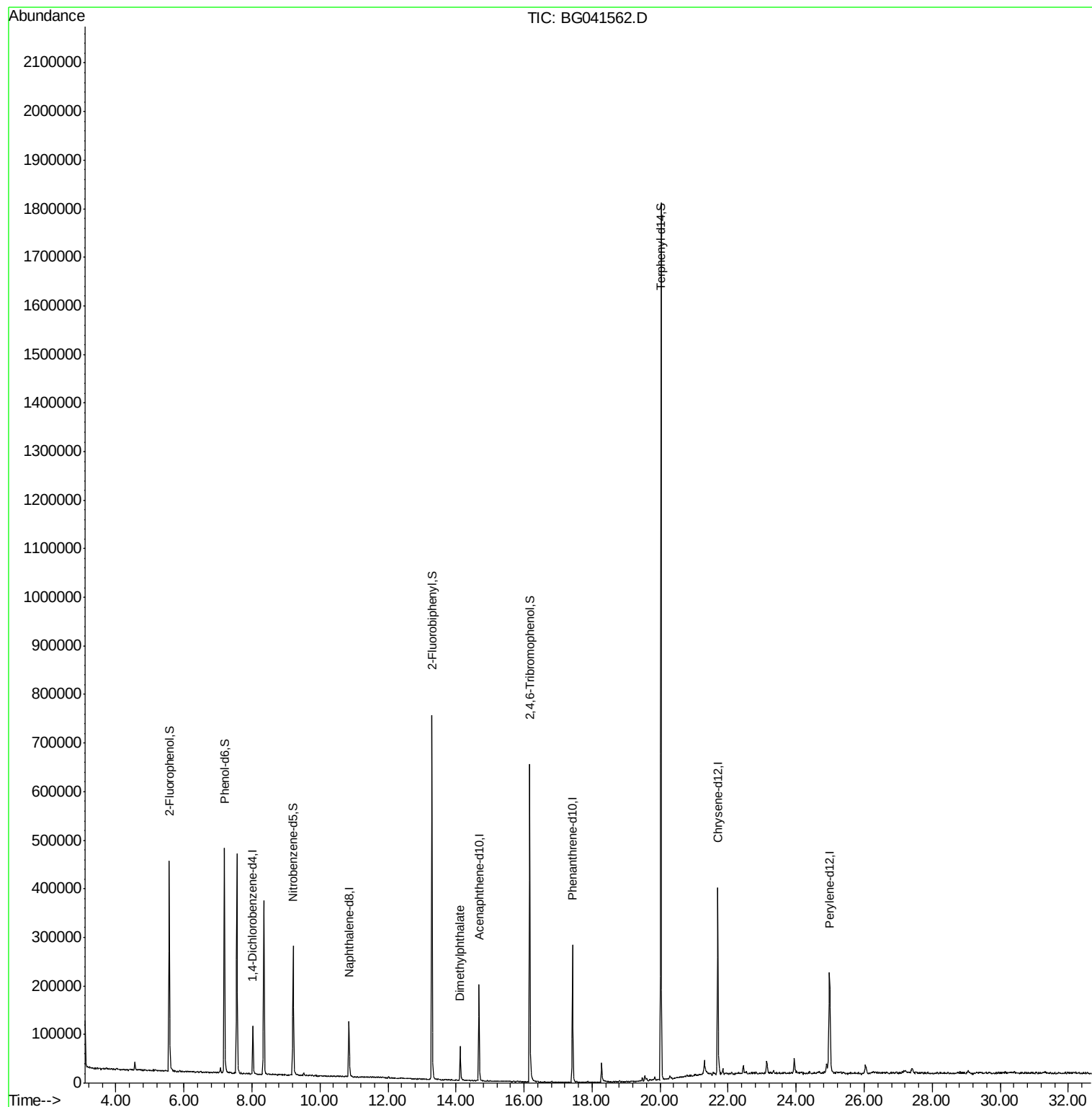
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 28275    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 98140    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.68 | 164  | 69824    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 195961   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 234371   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.98 | 264  | 254141   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.57  | 112  | 177860   | 112.15 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 251963   | 112.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 173153   | 73.59  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 140035   | 117.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 402729   | 74.02  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 866595   | 78.58  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 14.12 | 163  | 54429    | 8.566  | ng    | 99       |

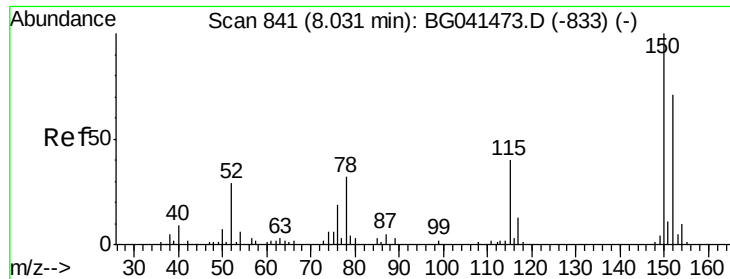
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SR-SOIL-COMP-1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M  
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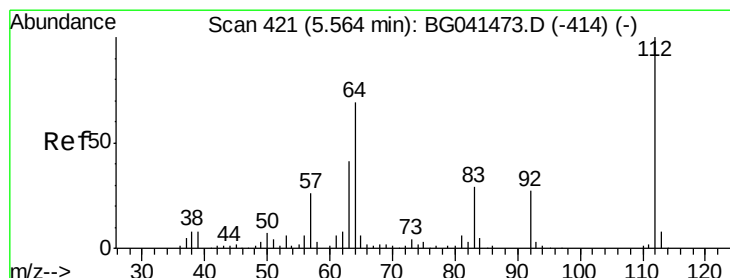
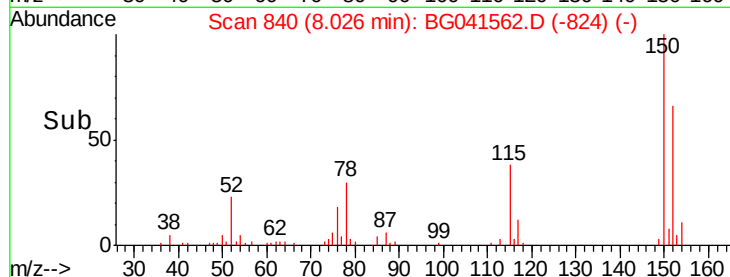
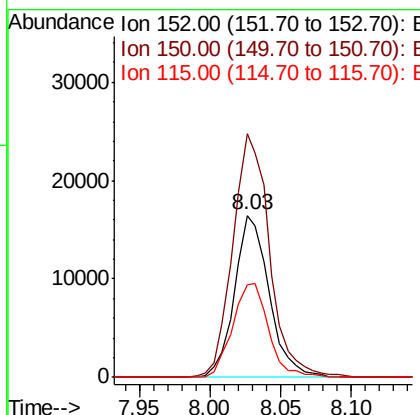
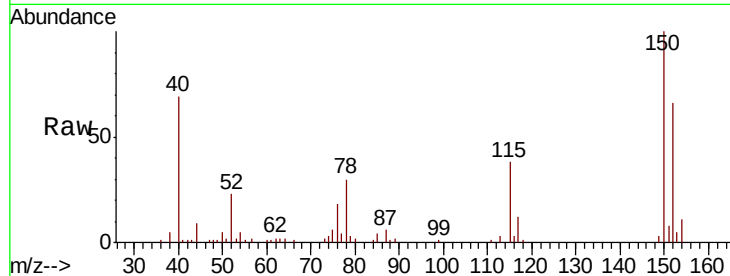


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Instrument :  
BNA\_G  
ClientSampleId :  
SR-SOIL-COMP-1

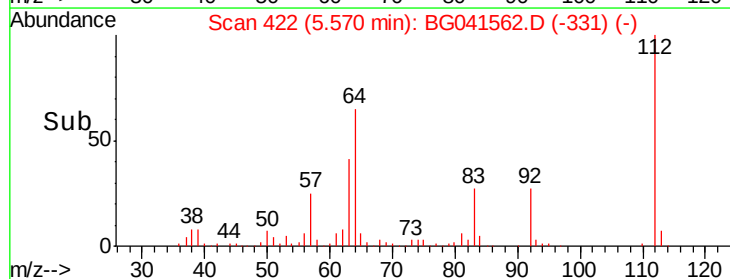
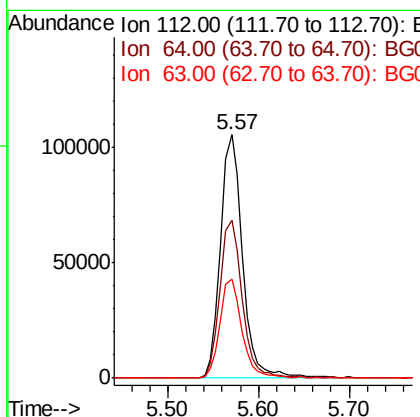
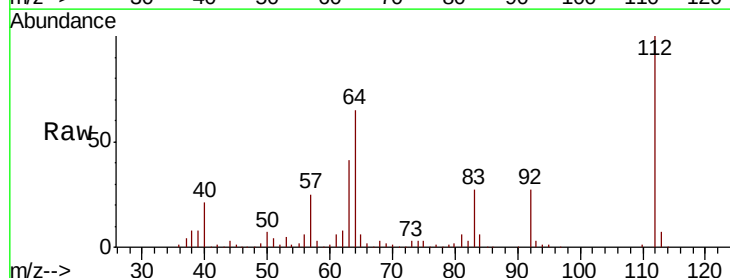
Tot Ion:152 Resp: 28275  
Ion Ratio Lower Upper  
152 100  
150 150.5 112.4 168.6  
115 57.2 44.6 66.8

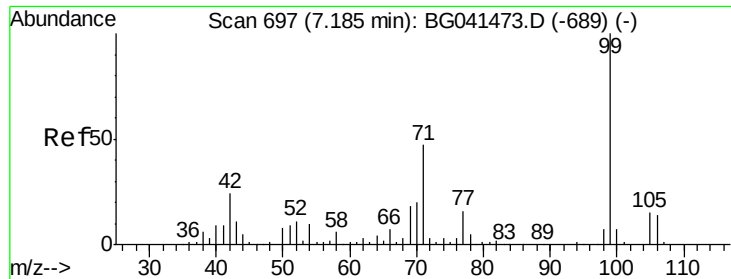


#5

2-Fluorophenol  
Concen: 112.148 ng  
RT: 5.57 min Scan# 422  
Delta R.T. 0.01 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Tgt Ion:112 Resp: 177860  
Ion Ratio Lower Upper  
112 100  
64 65.0 55.1 82.7  
63 40.5 32.4 48.6





#7

Phenol-d6

Concen: 112.857 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG041562.D

Acq: 1 Jul 2019 17:03

Instrument :

BNA\_G

ClientSampleId :

SR-SOIL-COMP-1

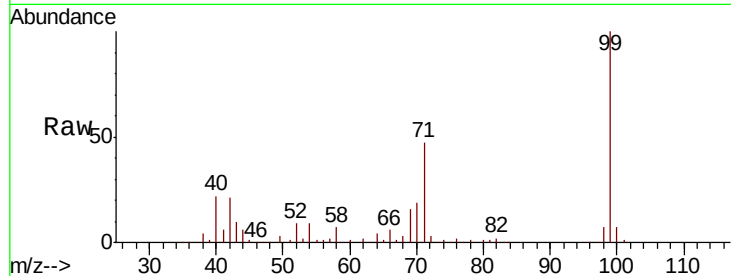
Tot Ion: 99 Resp: 251963

Ion Ratio Lower Upper

99 100

42 21.4 19.0 28.6

71 46.6 37.4 56.2

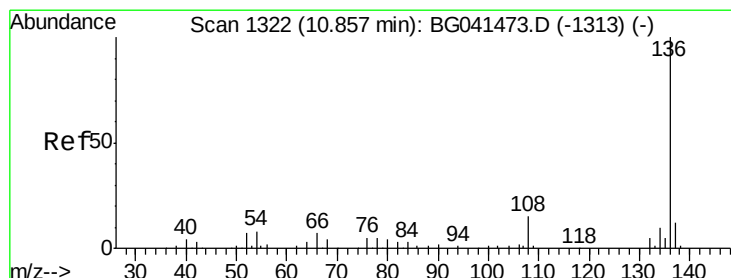
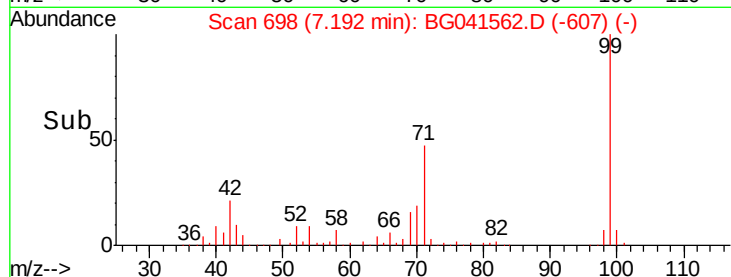
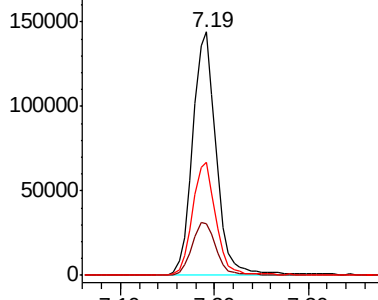


Abundance

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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041562.D

Acq: 1 Jul 2019 17:03

Tgt Ion: 136 Resp: 98140

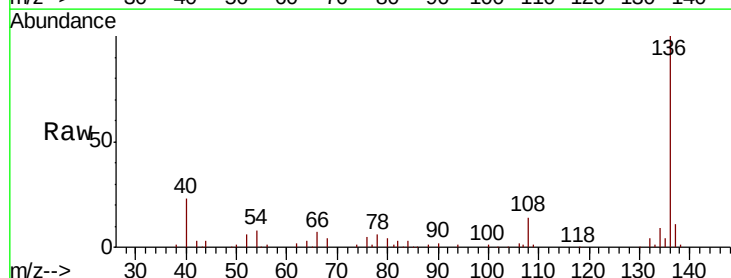
Ion Ratio Lower Upper

136 100

137 10.6 9.3 13.9

54 7.6 7.1 10.7

68 3.5 3.3 4.9



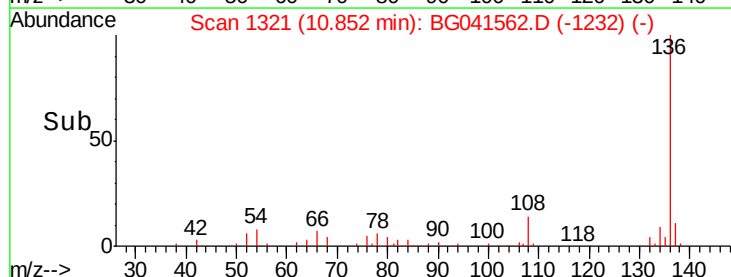
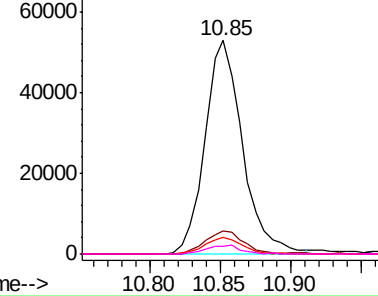
Abundance

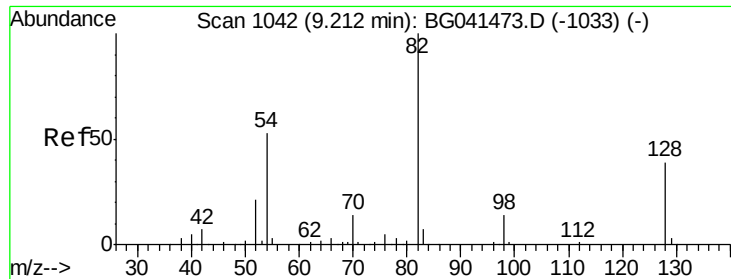
Ion 136.00 (135.70 to 136.70): BGC

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

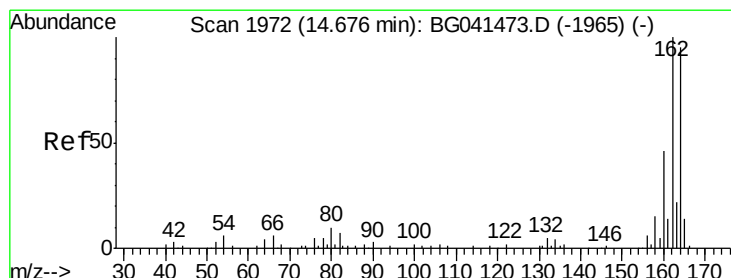
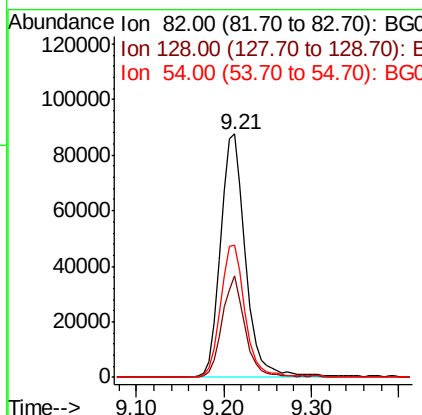
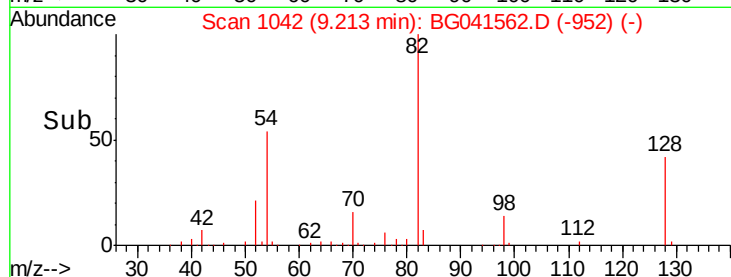
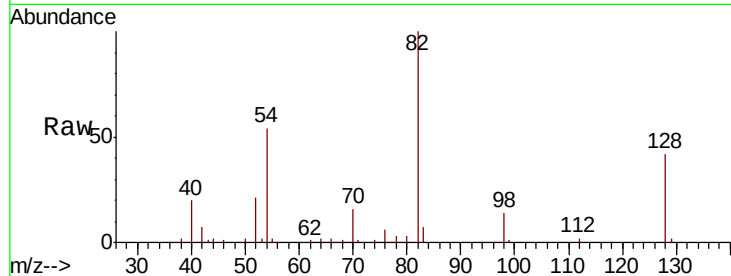




#23  
 Nitrobenzene-d5  
 Concen: 73.586 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BG041562.D  
 Acq: 1 Jul 2019 17:03

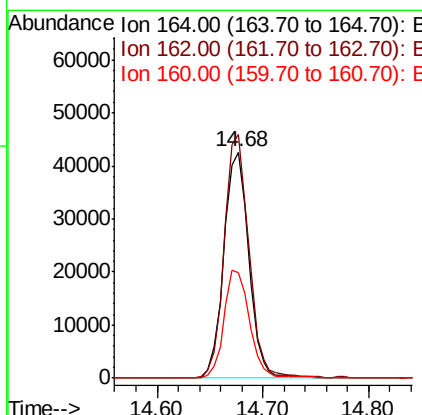
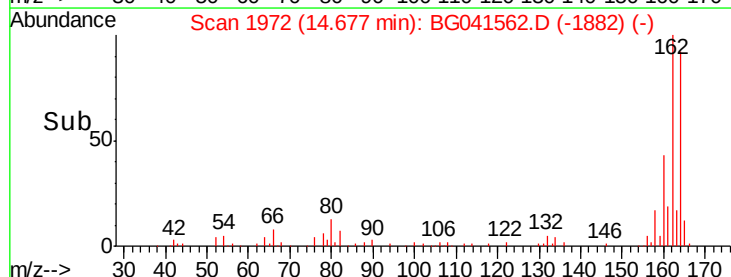
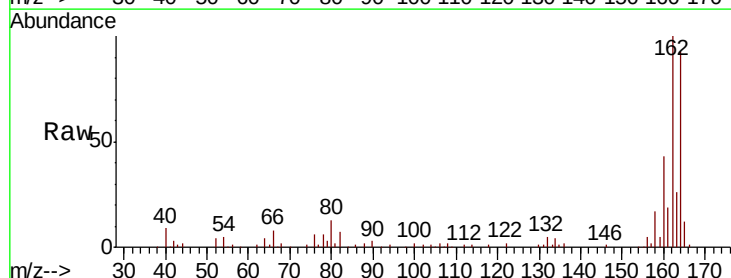
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SR-SOIL-COMP-1

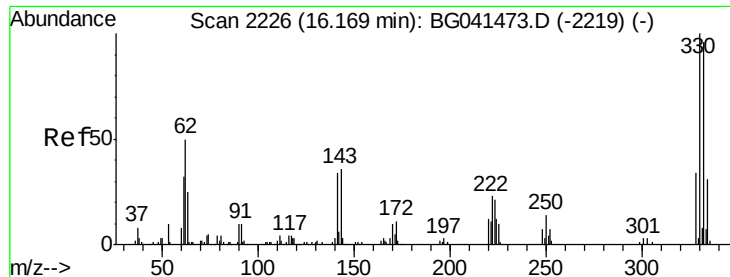
Tot Ion: 82 Resp: 173153  
 Ion Ratio Lower Upper  
 82 100  
 128 41.7 30.9 46.3  
 54 54.3 42.2 63.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: BG041562.D  
 Acq: 1 Jul 2019 17:03

Tgt Ion:164 Resp: 69824  
 Ion Ratio Lower Upper  
 164 100  
 162 107.7 84.4 126.6  
 160 46.4 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 117.459 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BG041562.D

Acq: 1 Jul 2019 17:03

Instrument :

BNA\_G

ClientSampleId :

SR-SOIL-COMP-1

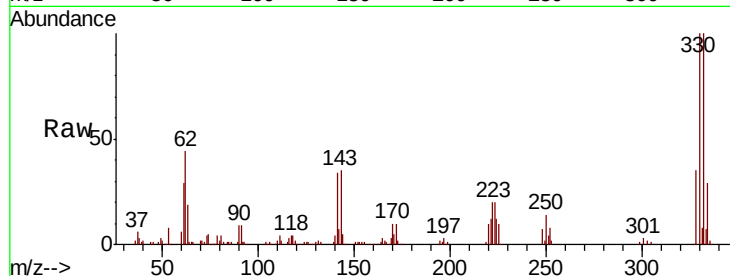
Tot Ion:330 Resp: 140035

Ion Ratio Lower Upper

330 100

332 95.8 75.5 113.3

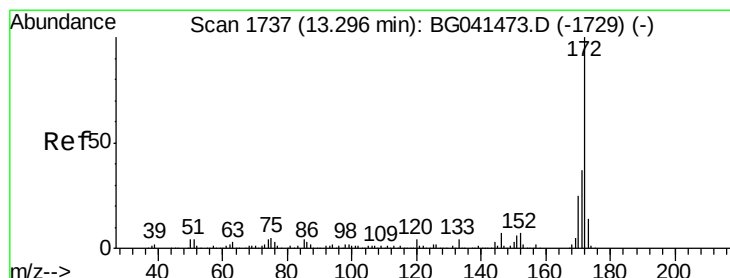
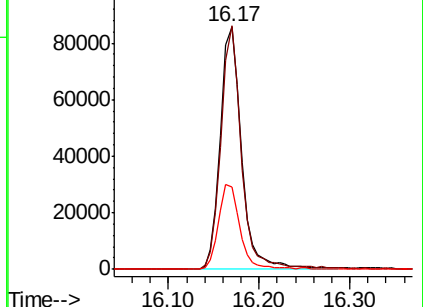
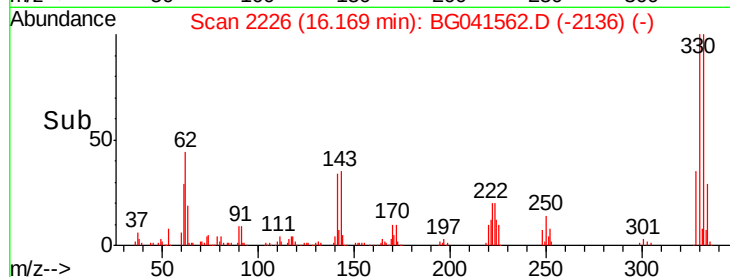
141 35.4 27.8 41.6



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: 74.015 ng

RT: 13.30 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BG041562.D

Acq: 1 Jul 2019 17:03

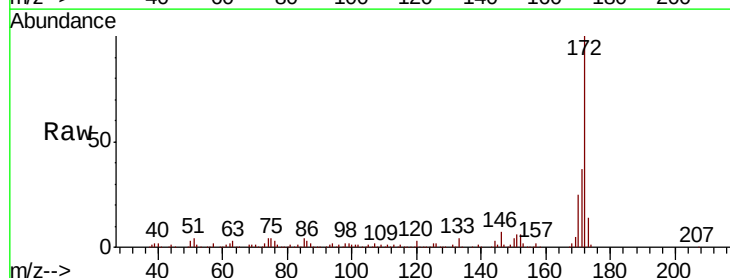
Tgt Ion:172 Resp: 402729

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

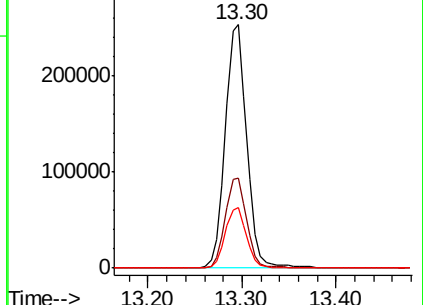
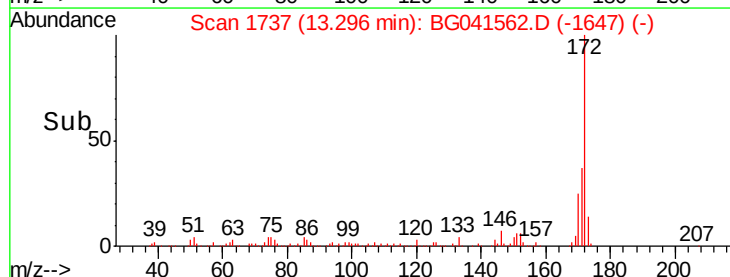
170 24.7 20.0 30.0

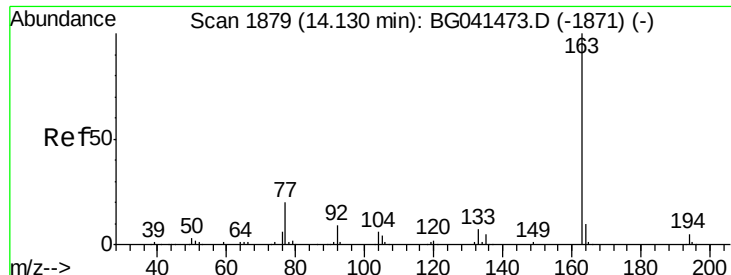


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

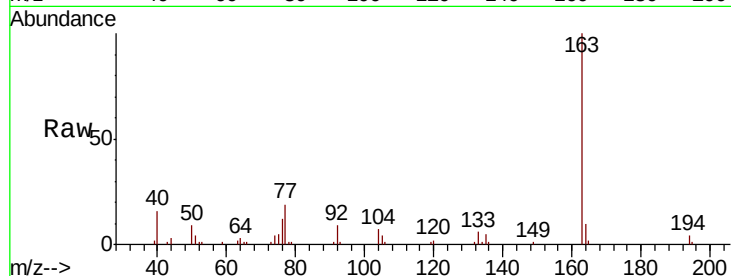




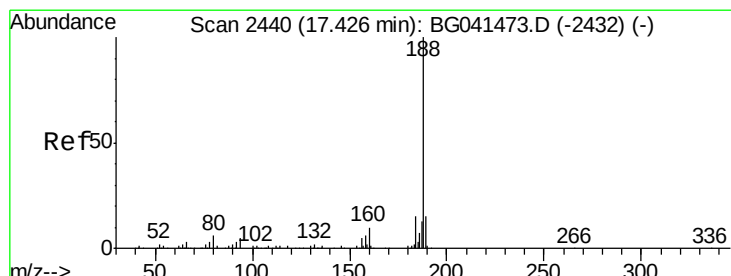
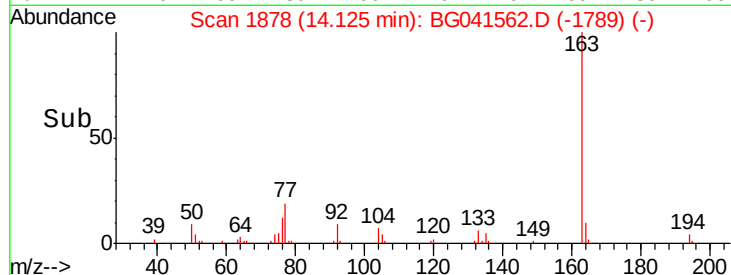
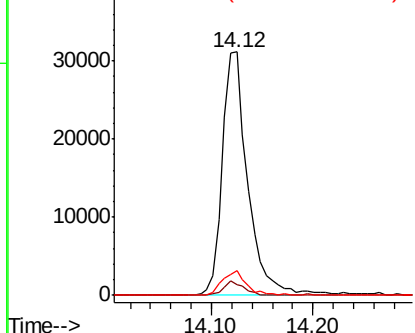
#50  
Dimethylphthalate  
Concen: 8.566 ng  
RT: 14.12 min Scan# 1878  
Delta R.T. -0.01 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Instrument :  
BNA\_G  
ClientSampleId :  
SR-SOIL-COMP-1

Tot Ion:163 Resp: 54429  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.7 5.5  
164 10.1 7.8 11.6

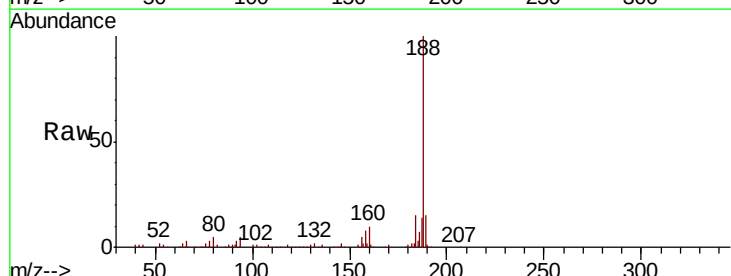


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

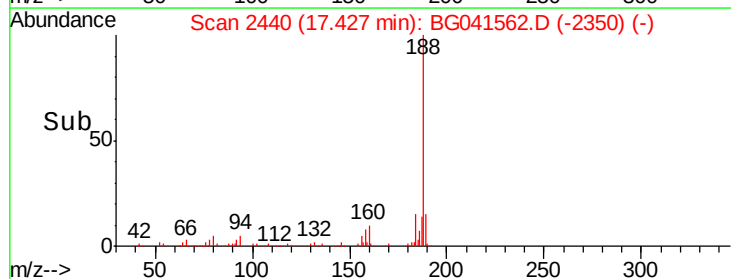
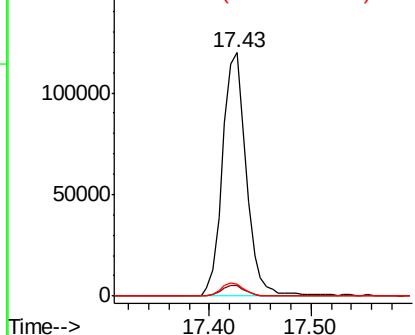


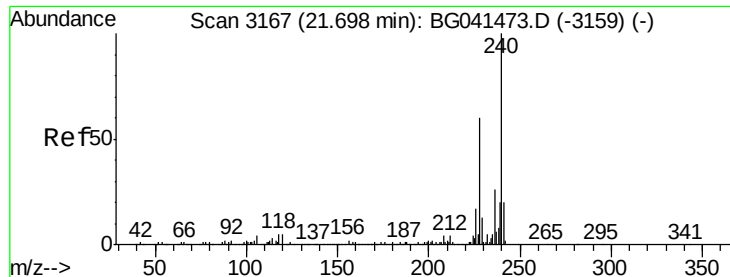
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2440  
Delta R.T. 0.00 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Tgt Ion:188 Resp: 195961  
Ion Ratio Lower Upper  
188 100  
94 4.5 3.8 5.8  
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): BGC  
Ion 80.00 (79.70 to 80.70): BGC

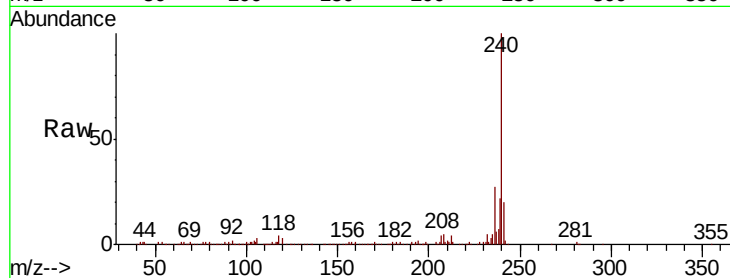




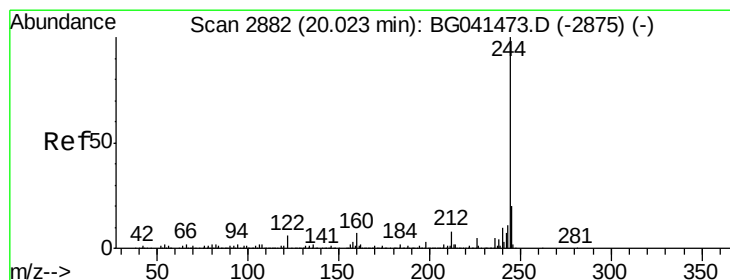
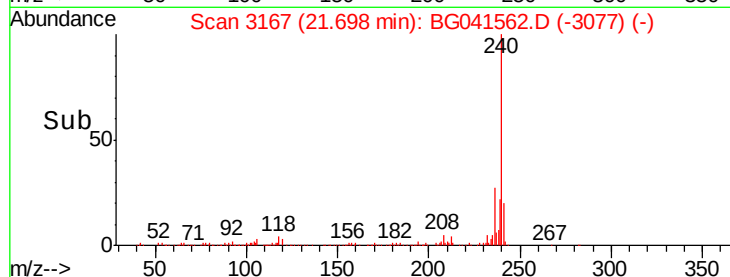
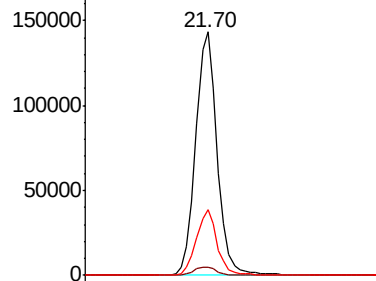
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Instrument :  
BNA\_G  
ClientSampleId :  
SR-SOIL-COMP-1

Tot Ion:240 Resp: 234371  
Ion Ratio Lower Upper  
240 100  
120 3.3 3.7 5.5#  
236 26.8 20.8 31.2

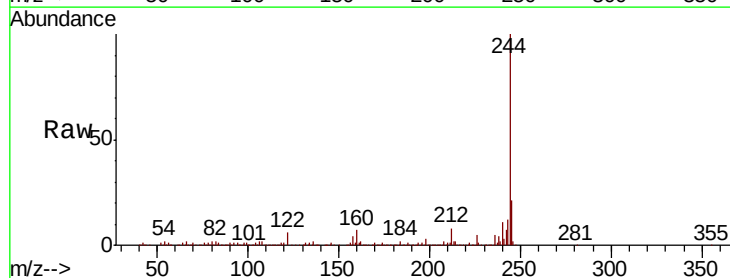


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

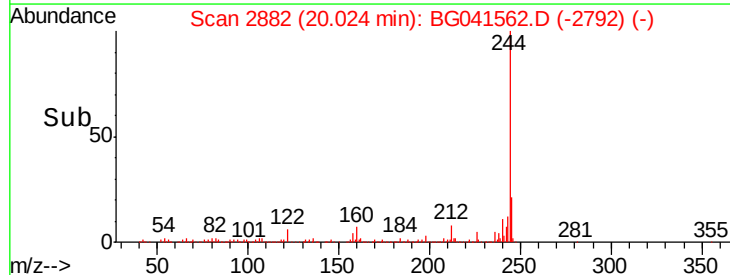
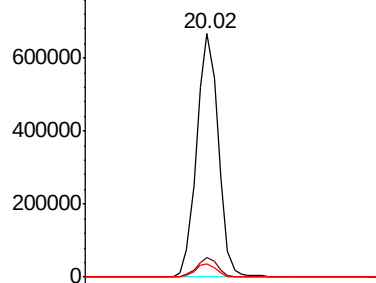


#79  
Terphenyl-d14  
Concen: 78.576 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. 0.00 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

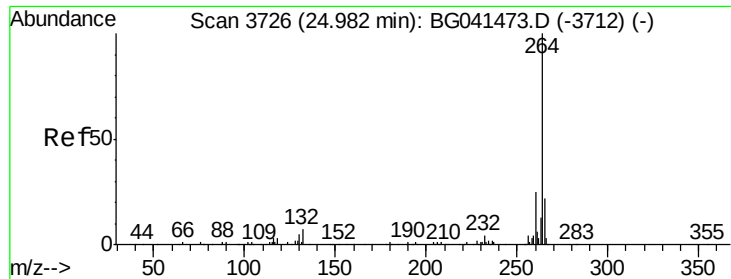
Tgt Ion:244 Resp: 866595  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.2 9.4  
122 5.6 4.8 7.2



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  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.98 min Scan# 3726  
Delta R.T. 0.00 min  
Lab File: BG041562.D  
Acq: 1 Jul 2019 17:03

Instrument :  
BNA\_G  
ClientSampleId :  
SR-SOIL-COMP-1

Tot Ion: 264 Resp: 254141  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.7  | 29.5  |
| 265 | 22.5  | 17.4  | 26.2  |

