

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062819\  
 Data File : BG041523.D  
 Acq On : 28 Jun 2019 21:42  
 Operator : HP/JU  
 Sample : K3563-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 29 01:51:29 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

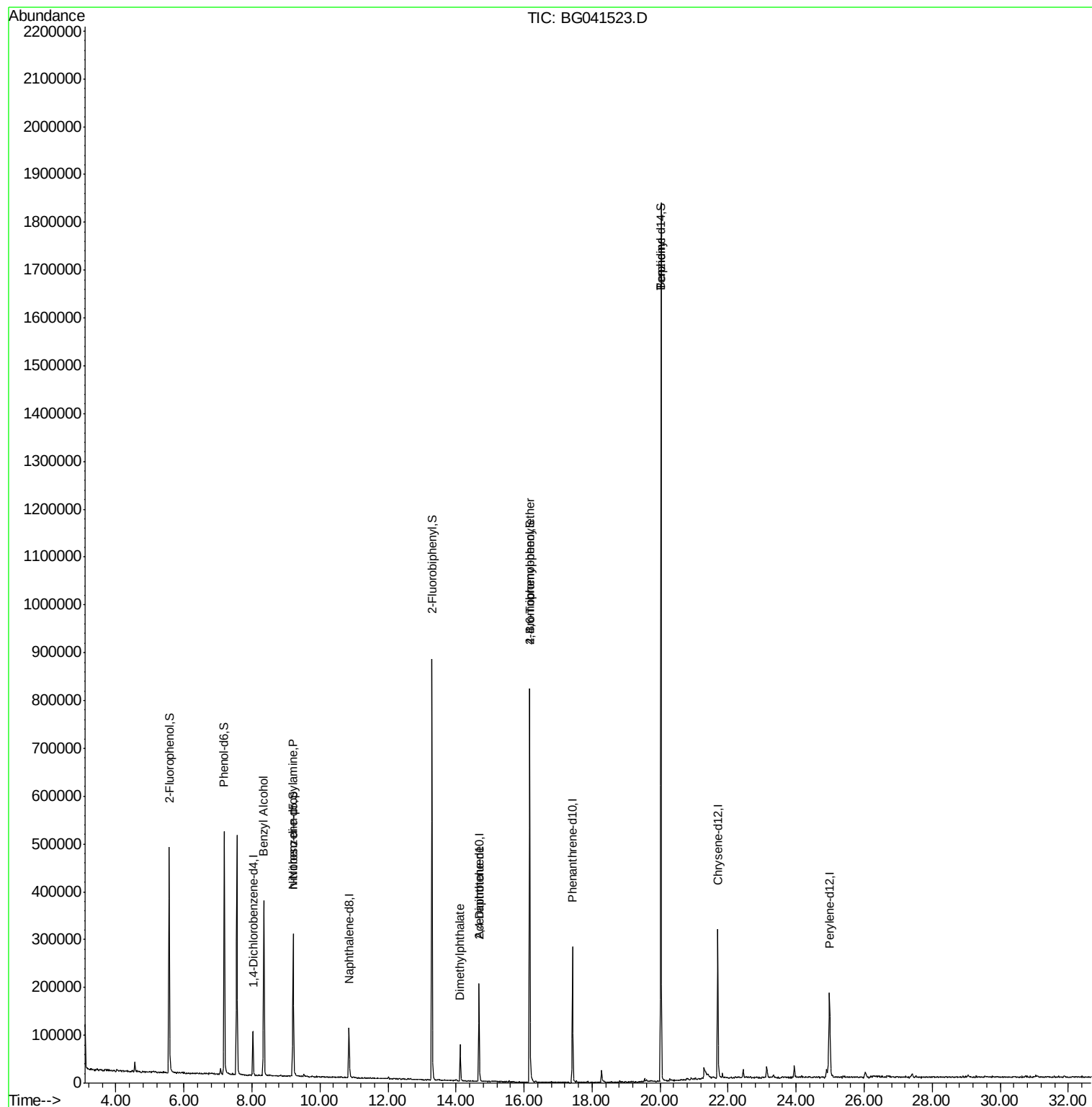
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.03  | 152  | 25563    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.85 | 136  | 90882    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.68 | 164  | 70103    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.42 | 188  | 193930   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.70 | 240  | 203241   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.98 | 264  | 211796   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 188106   | 131.19 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.19  | 99   | 269088   | 133.31 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.21  | 82   | 187653   | 86.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 163880   | 136.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.30 | 172  | 439481   | 80.45  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 871555   | 91.13  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 8.35  | 79   | 3505     | 2.180  | ng    | # 54     |
| 19) n-Nitroso-di-n-propylamine | 9.21  | 70   | 27052    | 17.968 | ng    | # 74     |
| 50) Dimethylphthalate          | 14.12 | 163  | 54689    | 8.573  | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 8940     | 4.552  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 11787    | 4.448  | ng    | # 1      |
| 77) Benzidine                  | 20.02 | 184  | 15005    | 3.327  | ng    | # 96     |

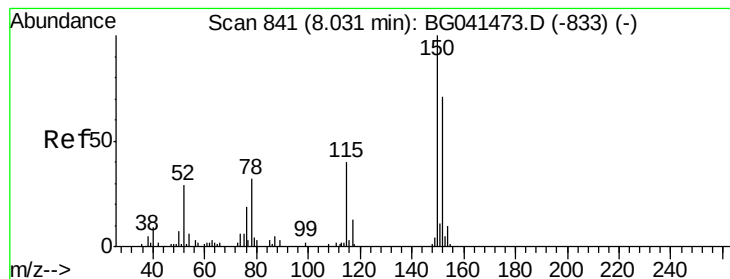
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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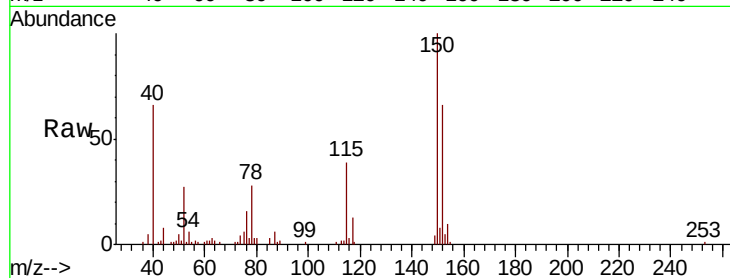


#1

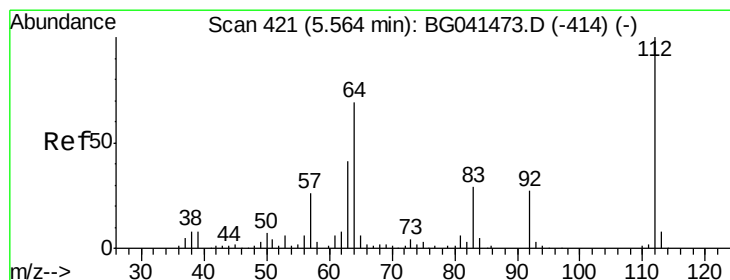
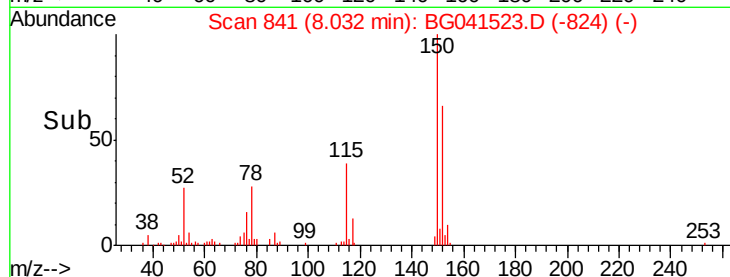
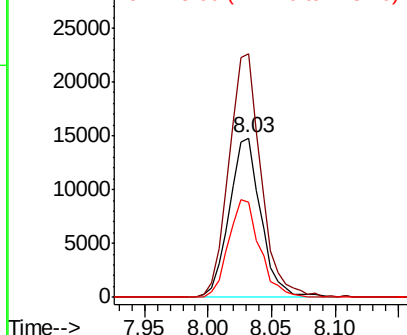
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 841  
Delta R.T. 0.00 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

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

Tgt Ion:152 Resp: 25563  
Ion Ratio Lower Upper  
152 100  
150 152.6 112.4 168.6  
115 59.5 44.6 66.8



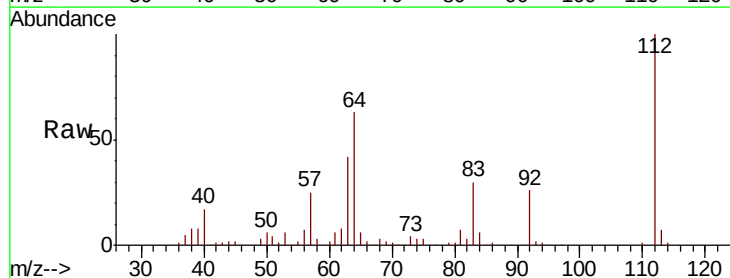
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



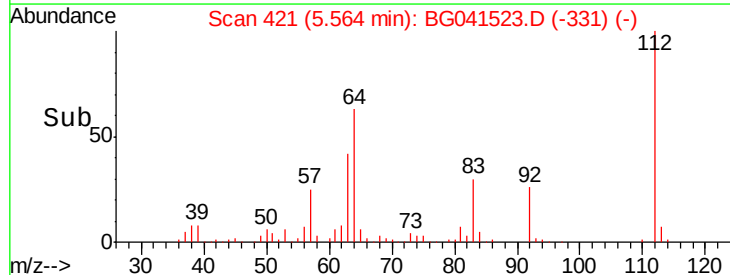
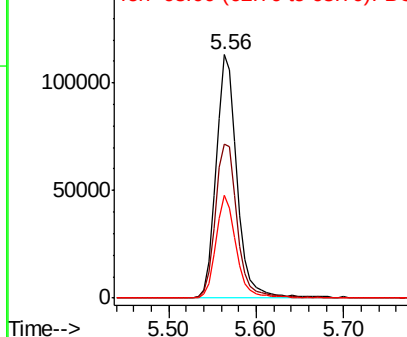
#5

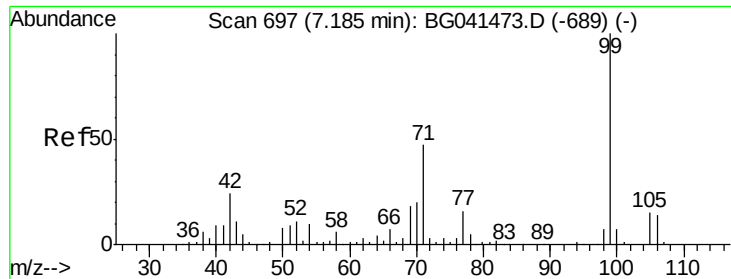
2-Fluorophenol  
Concen: 131.192 ng  
RT: 5.56 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

Tgt Ion:112 Resp: 188106  
Ion Ratio Lower Upper  
112 100  
64 63.2 55.1 82.7  
63 42.5 32.4 48.6



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: 133.314 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

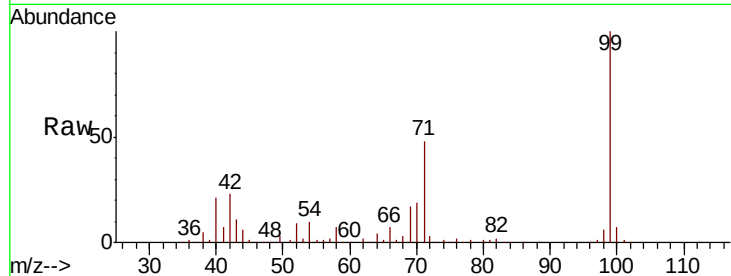
Tgt Ion: 99 Resp: 269088

Ion Ratio Lower Upper

99 100

42 23.1 19.0 28.6

71 48.3 37.4 56.2

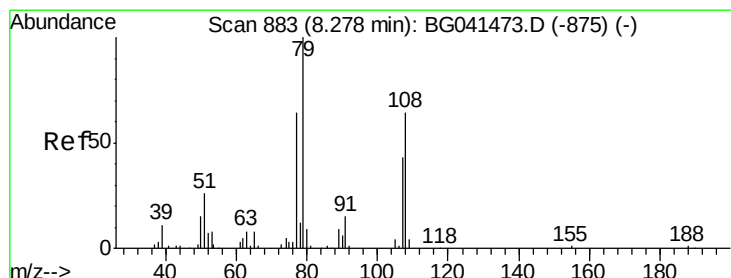
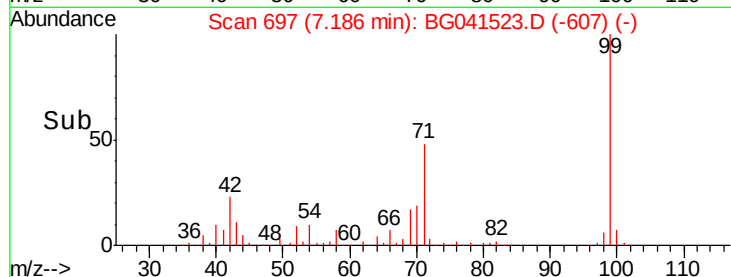
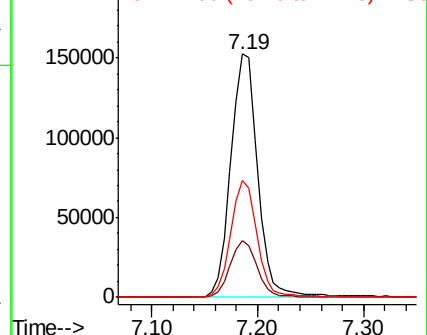


Abundance

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



#15

Benzyl Alcohol

Concen: 2.180 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

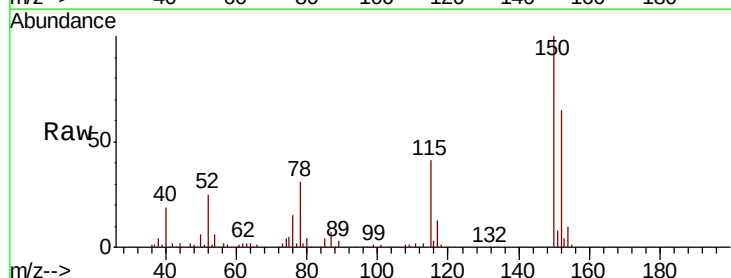
Tgt Ion: 79 Resp: 3505

Ion Ratio Lower Upper

79 100

108 33.7 51.4 77.0#

77 104.8 50.8 76.2#

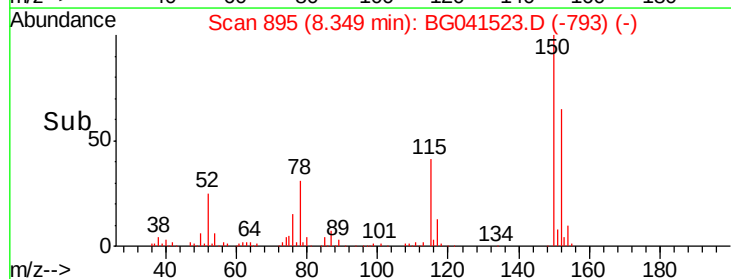
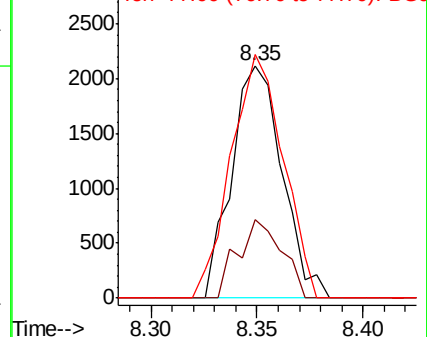


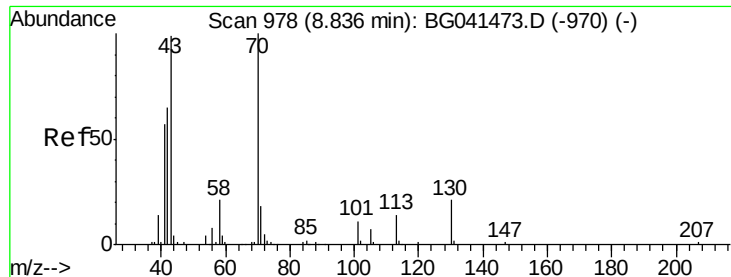
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

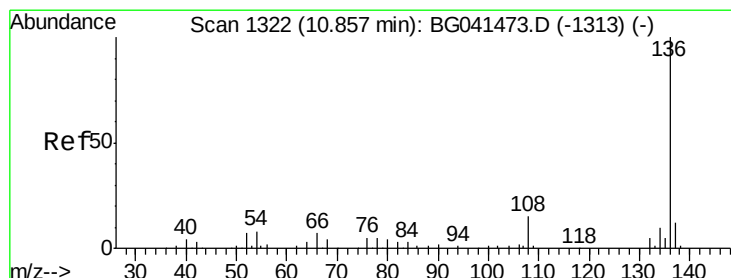
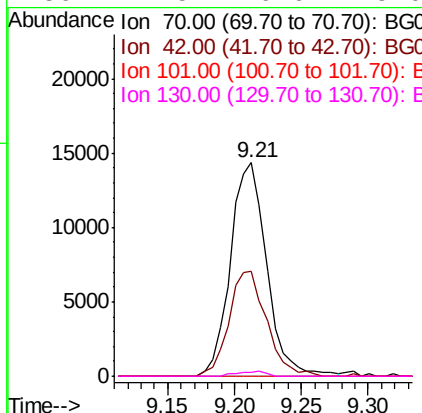
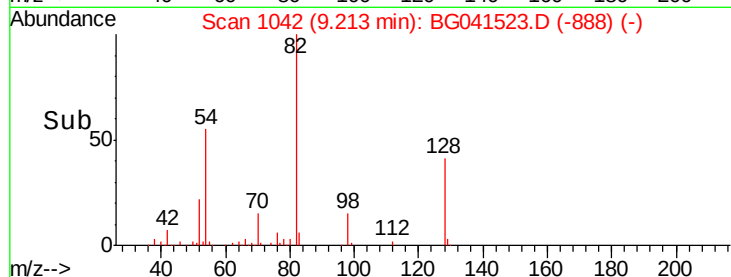
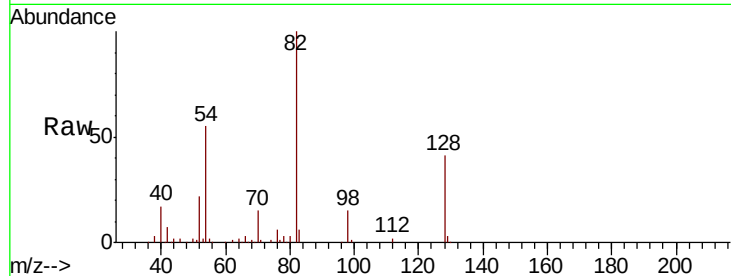




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.968 ng  
RT: 9.21 min Scan# 1042  
Delta R.T. 0.38 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

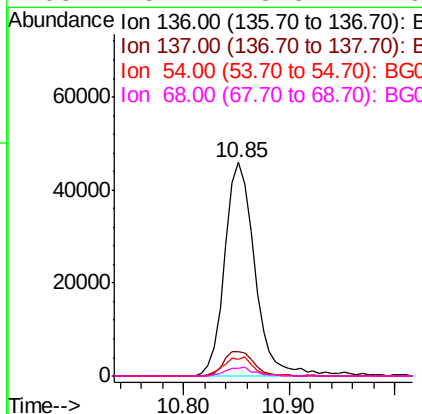
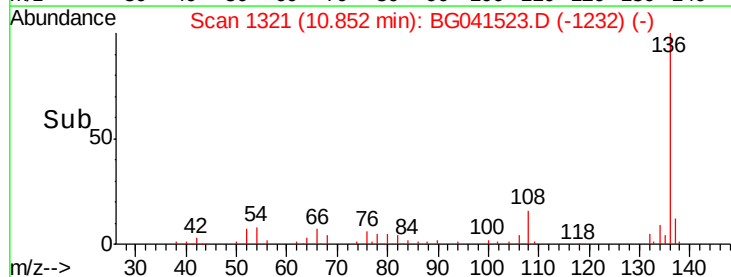
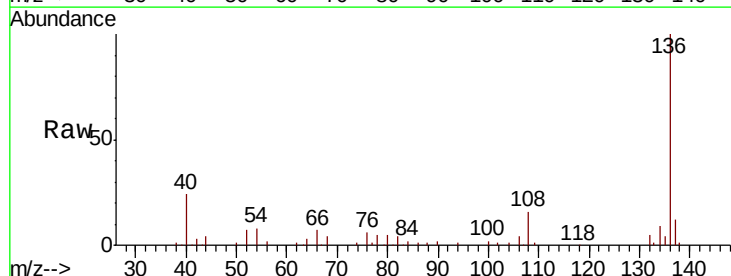
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

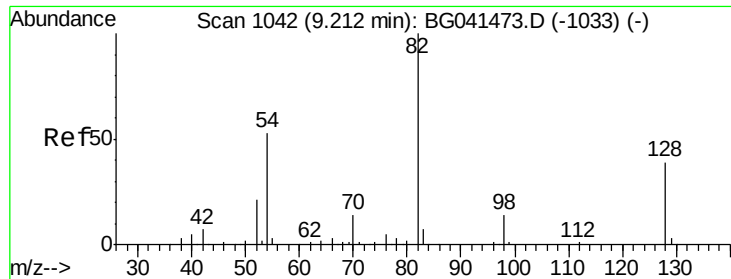
Tgt Ion: 70 Resp: 27052  
Ion Ratio Lower Upper  
70 100  
42 48.9 52.6 78.8#  
101 0.0 8.6 13.0#  
130 1.5 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

Tgt Ion: 136 Resp: 90882  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.3 13.9  
54 7.6 7.1 10.7  
68 3.7 3.3 4.9

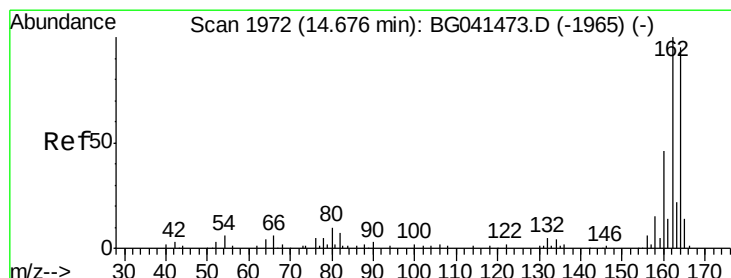
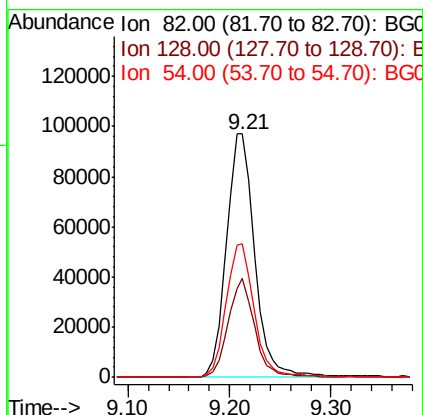
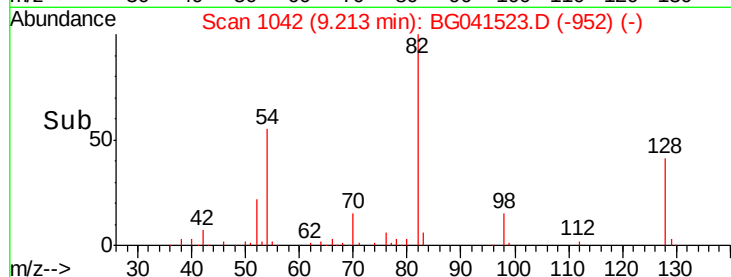
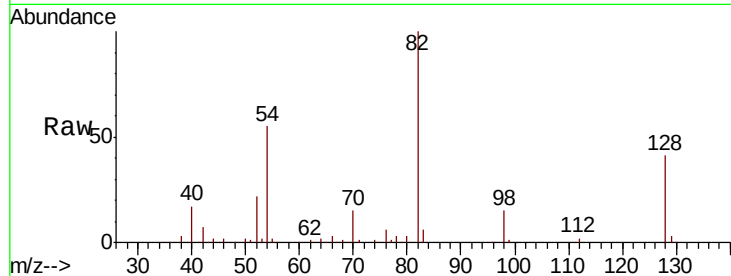




#23  
 Nitrobenzene-d5  
 Concen: 86.117 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BG041523.D  
 Acq: 28 Jun 2019 21:42

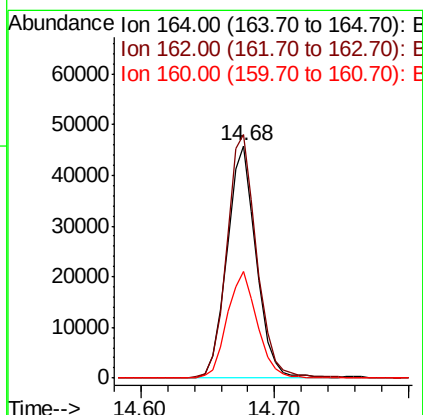
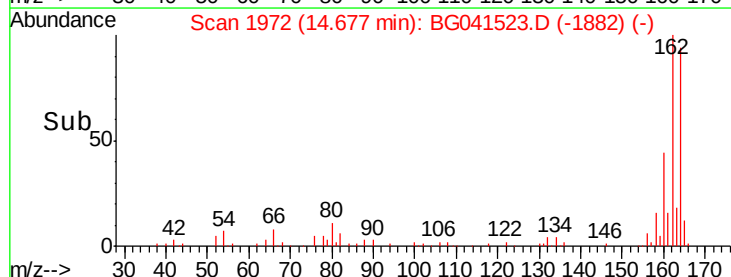
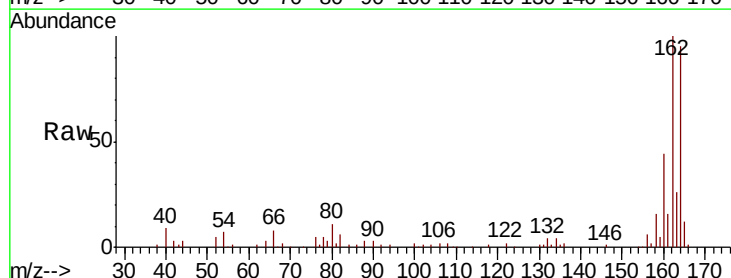
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-COMP-2

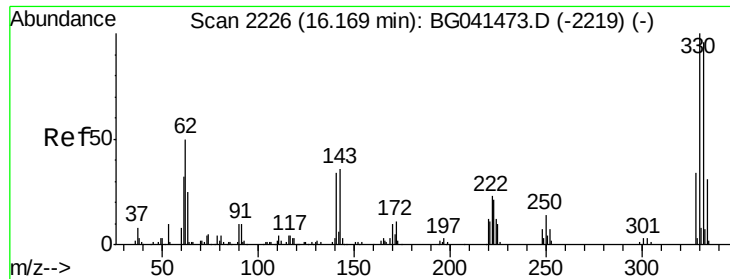
Tgt Ion: 82 Resp: 187653  
 Ion Ratio Lower Upper  
 82 100  
 128 40.6 30.9 46.3  
 54 54.9 42.2 63.2



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: BG041523.D  
 Acq: 28 Jun 2019 21:42

Tgt Ion: 164 Resp: 70103  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 84.4 126.6  
 160 46.1 38.8 58.2

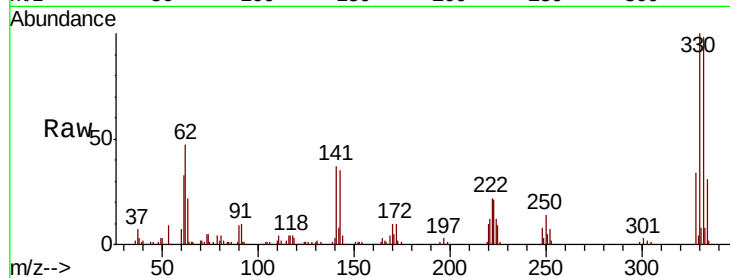




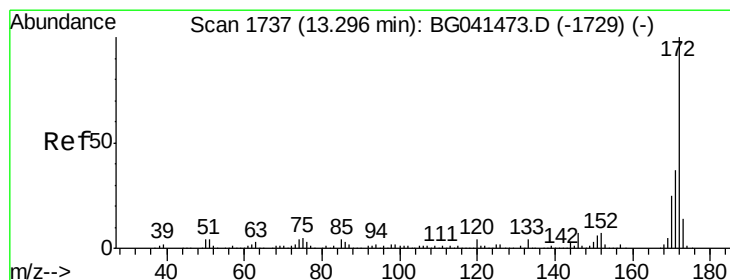
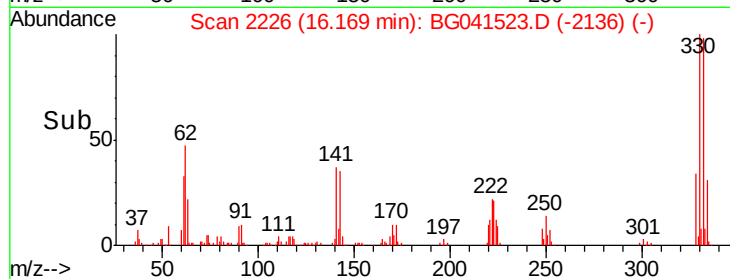
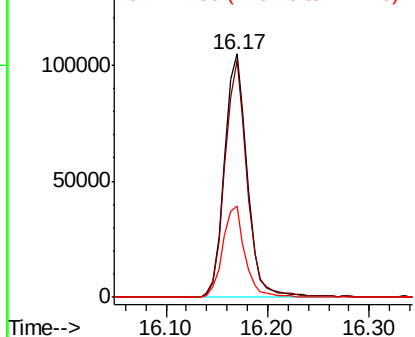
#42  
 2,4,6-Tribromophenol  
 Concen: 136.913 ng  
 RT: 16.17 min Scan# 2226  
 Delta R.T. 0.00 min  
 Lab File: BG041523.D  
 Acq: 28 Jun 2019 21:42

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

Tgt Ion:330 Resp: 163880  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 75.5 113.3  
 141 36.8 27.8 41.6

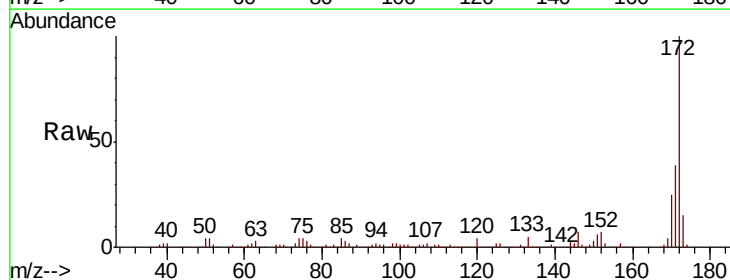


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

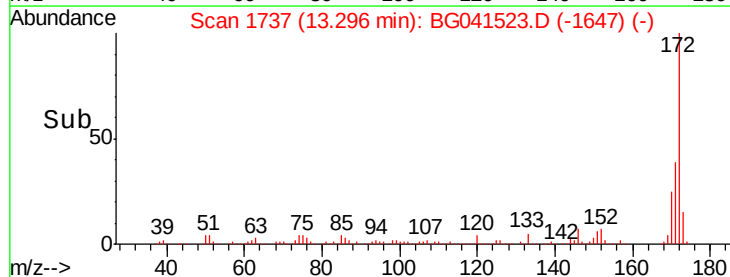
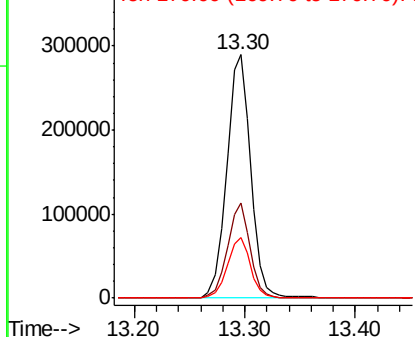


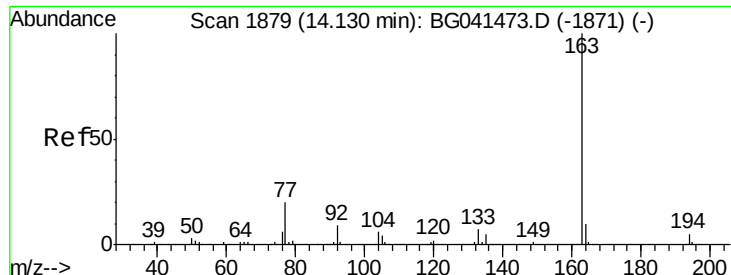
#45  
 2-Fluorobiphenyl  
 Concen: 80.448 ng  
 RT: 13.30 min Scan# 1737  
 Delta R.T. 0.00 min  
 Lab File: BG041523.D  
 Acq: 28 Jun 2019 21:42

Tgt Ion:172 Resp: 439481  
 Ion Ratio Lower Upper  
 172 100  
 171 38.9 29.6 44.4  
 170 25.0 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: 8.573 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

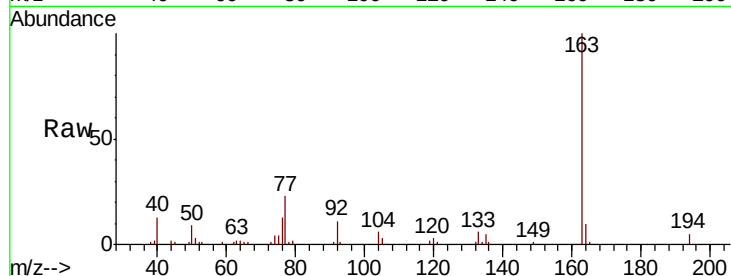
Tgt Ion:163 Resp: 54689

Ion Ratio Lower Upper

163 100

194 4.8 3.7 5.5

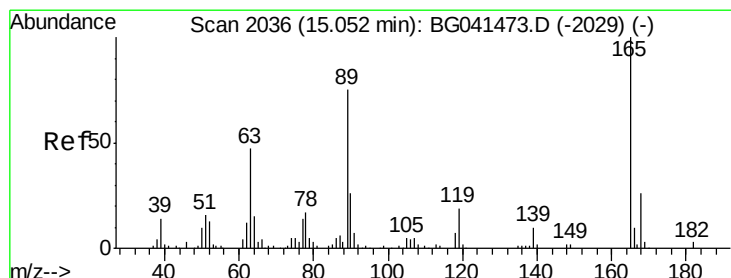
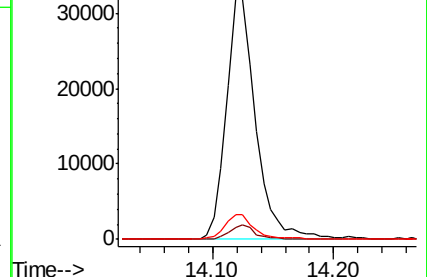
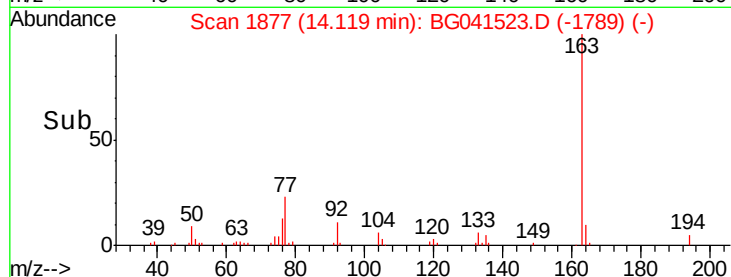
164 10.4 7.8 11.6



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



#57

2,4-Dinitrotoluene

Concen: 4.552 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.38 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

Tgt Ion:165 Resp: 8940

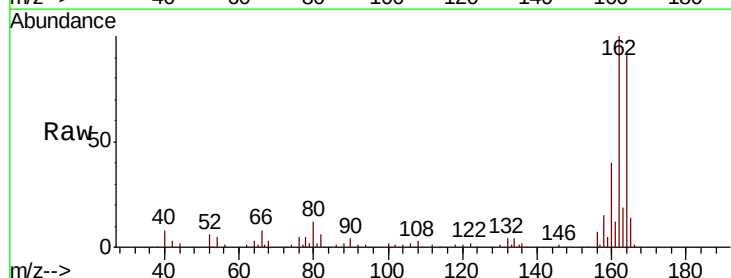
Ion Ratio Lower Upper

165 100

63 0.0 38.8 58.2#

89 0.0 60.1 90.1#

182 0.0 2.2 3.2#

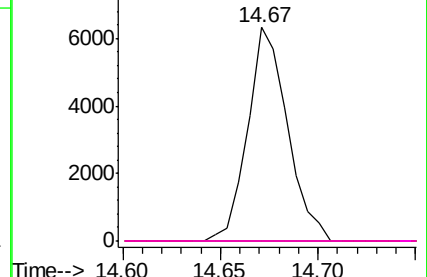
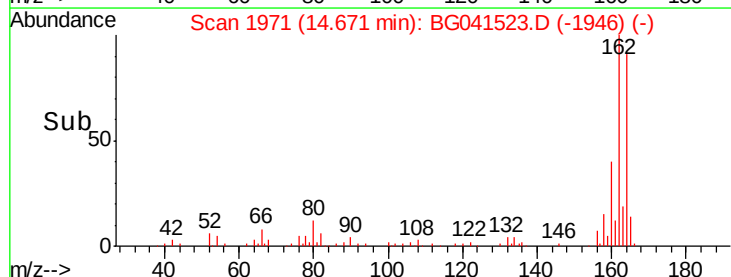


Abundance Ion 165.00 (164.70 to 165.70): E

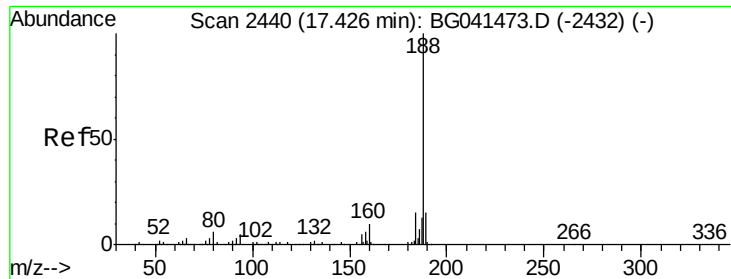
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

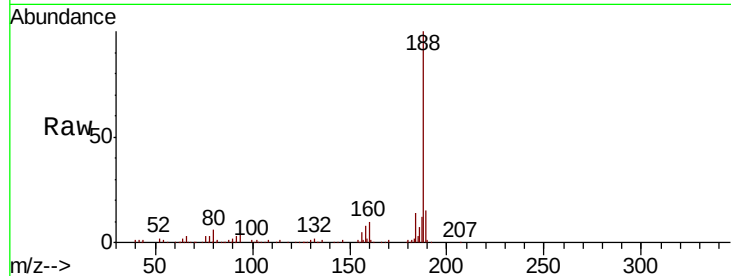
Tgt Ion:188 Resp: 193930

Ion Ratio Lower Upper

188 100

94 4.4 3.8 5.8

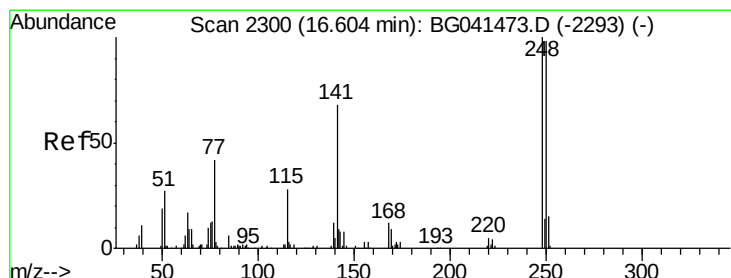
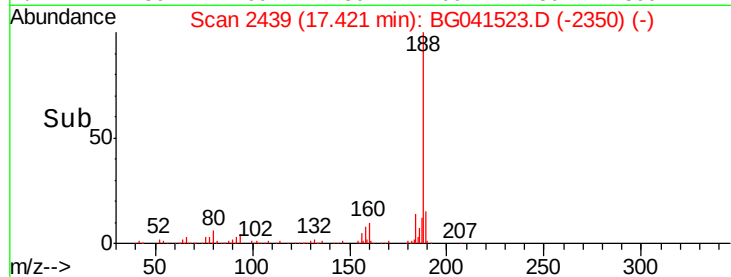
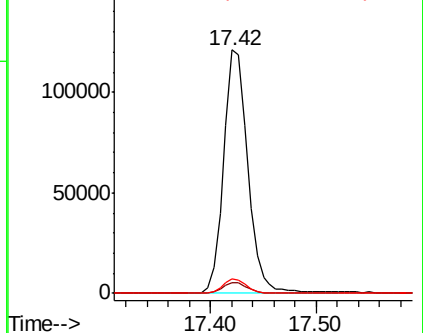
80 5.9 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.448 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.43 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

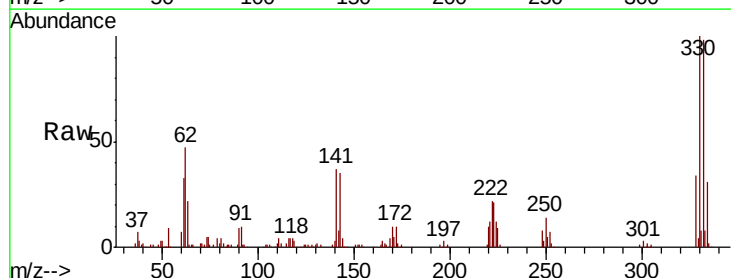
Tgt Ion:248 Resp: 11787

Ion Ratio Lower Upper

248 100

250 182.7 78.1 117.1#

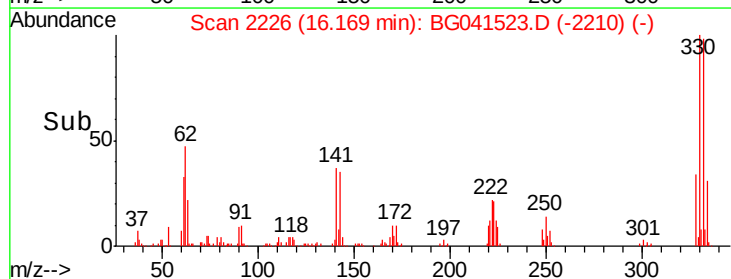
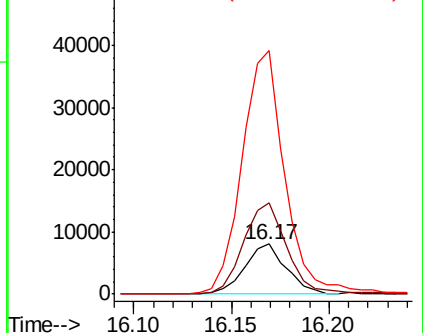
141 487.7 54.1 81.1#

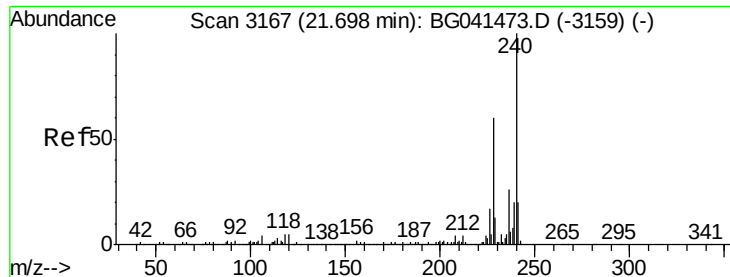


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

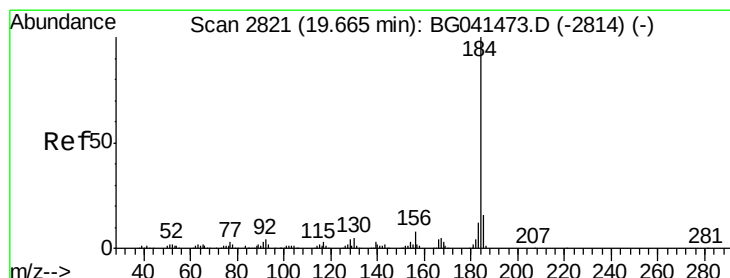
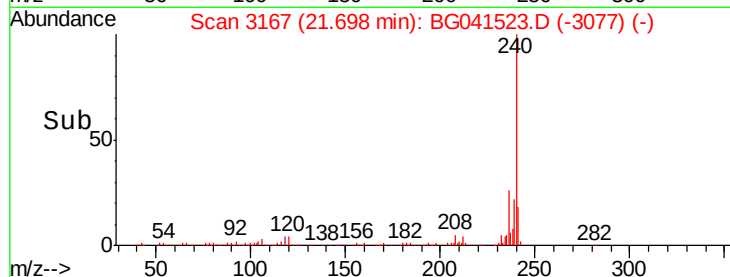
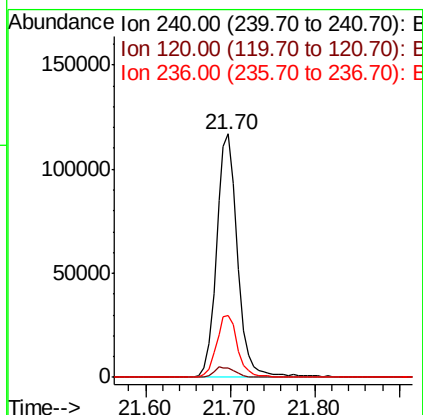
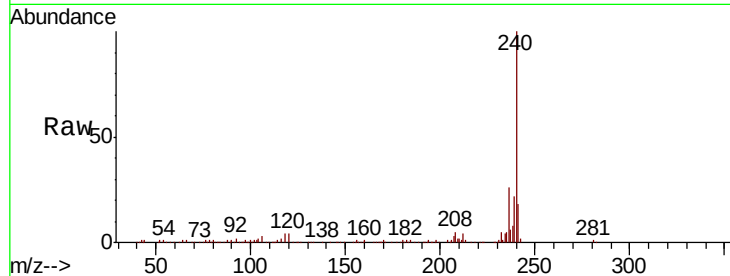




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

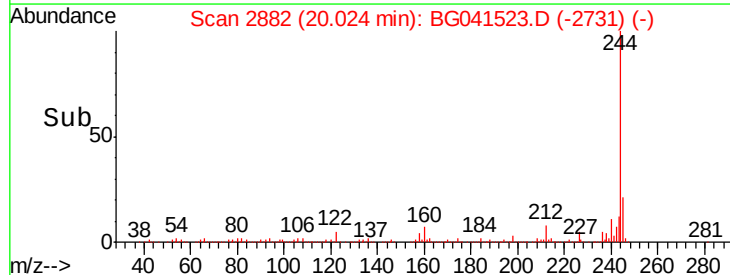
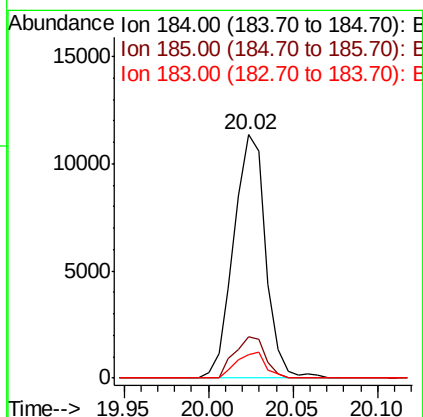
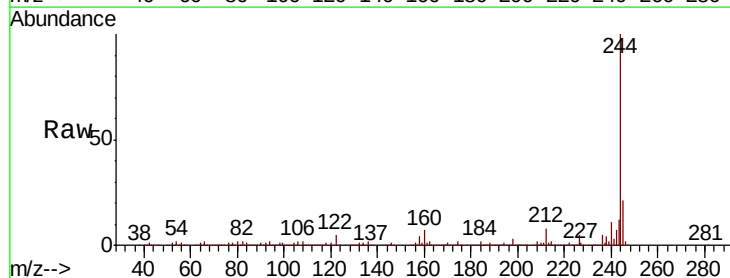
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-COMP-2

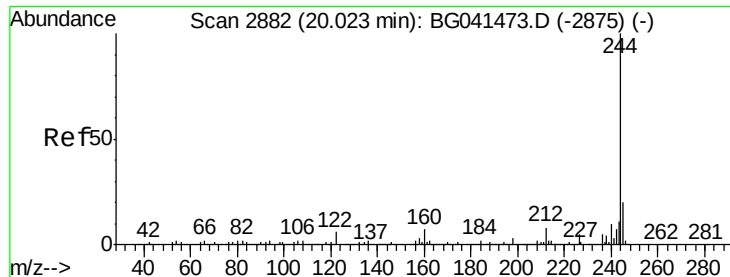
Tgt Ion: 240 Resp: 203241  
Ion Ratio Lower Upper  
240 100  
120 3.9 3.7 5.5  
236 25.5 20.8 31.2



#77  
Benzidine  
Concen: 3.327 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. 0.36 min  
Lab File: BG041523.D  
Acq: 28 Jun 2019 21:42

Tgt Ion: 184 Resp: 15005  
Ion Ratio Lower Upper  
184 100  
185 17.3 12.7 19.1  
183 9.4 9.4 14.2#





#79

Terphenyl-d14

Concen: 91.130 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

Instrument :

BNA\_G

ClientSampleId :

SOIL-COMP-2

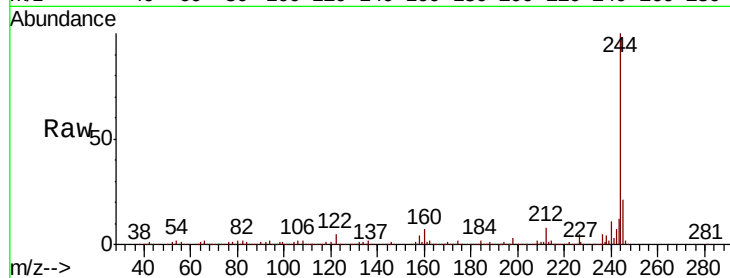
Tgt Ion:244 Resp: 871555

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.4

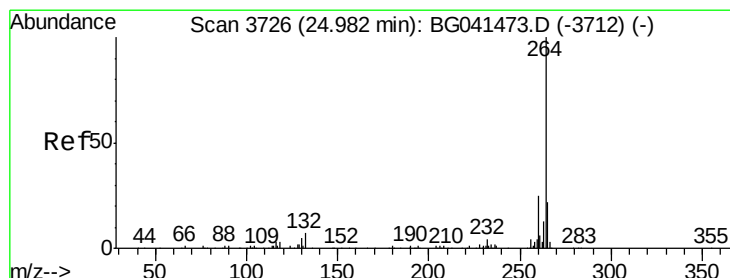
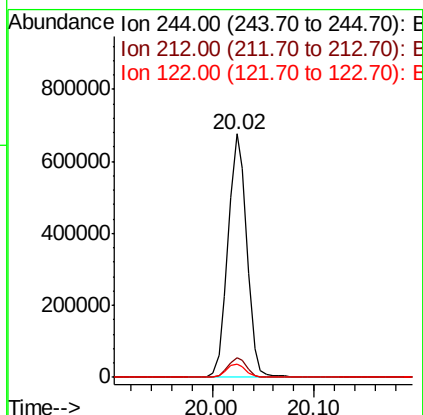
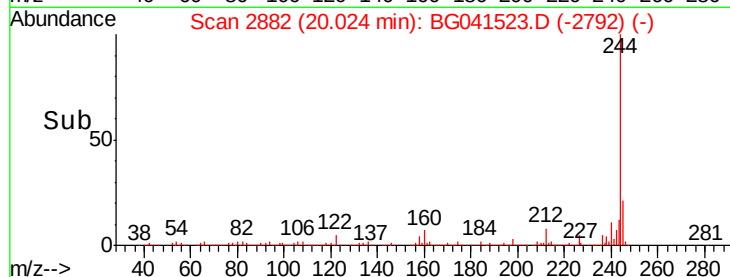
122 5.4 4.8 7.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3725

Delta R.T. -0.01 min

Lab File: BG041523.D

Acq: 28 Jun 2019 21:42

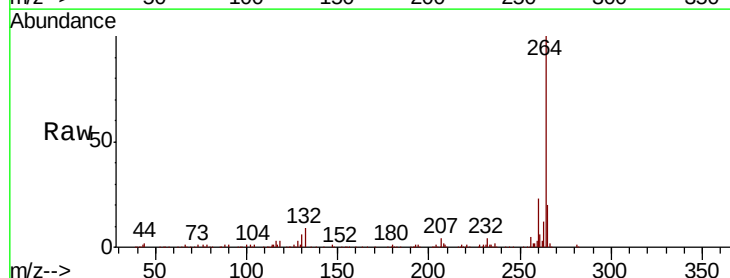
Tgt Ion:264 Resp: 211796

Ion Ratio Lower Upper

264 100

260 22.9 19.7 29.5

265 20.0 17.4 26.2



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

