

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\  
 Data File : BG044001.D  
 Acq On : 10 Jan 2020 14:17  
 Operator : JU  
 Sample : L1064-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SOIL-A

Quant Time: Jan 11 04:48:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

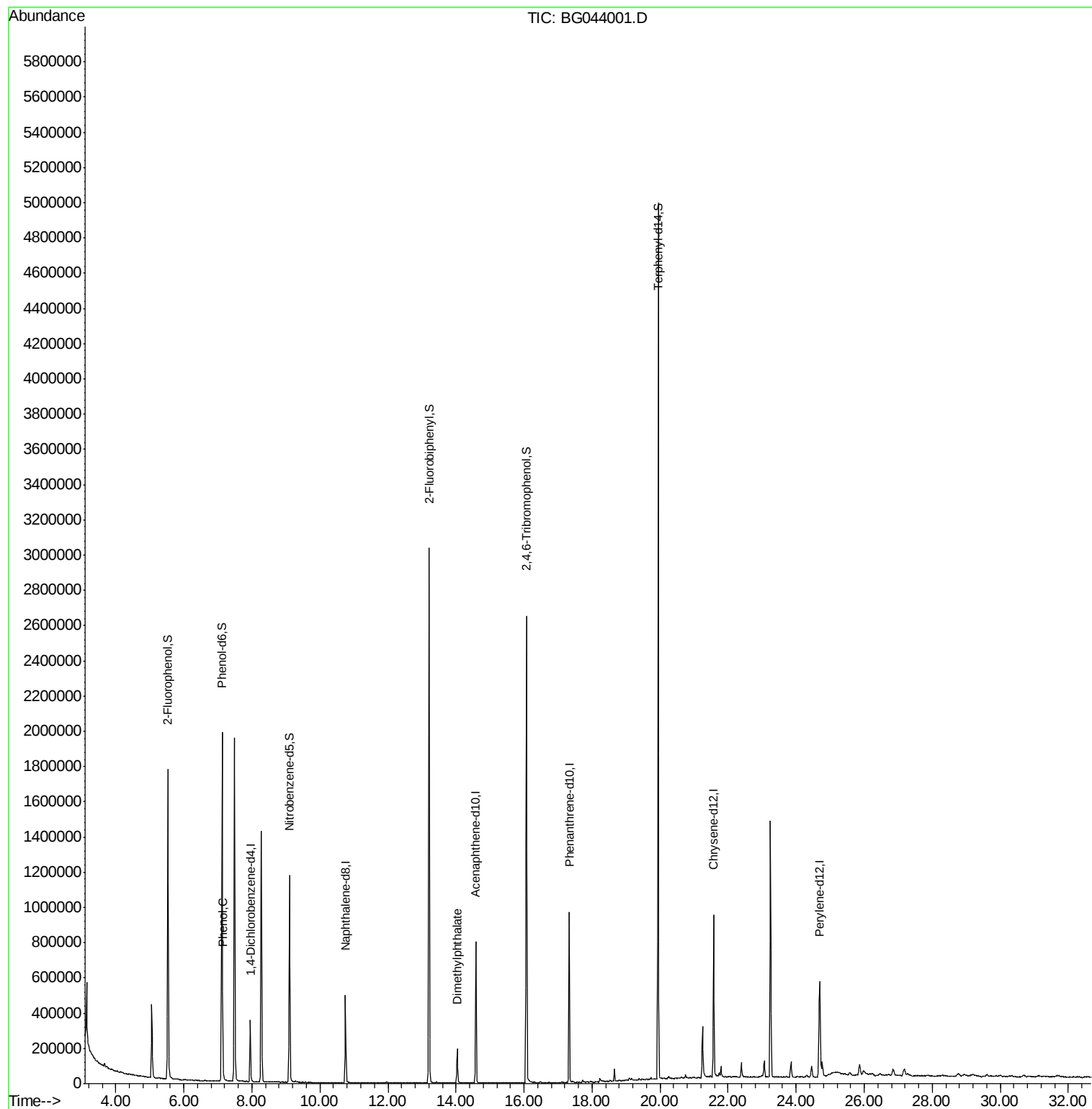
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 108589   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.75 | 136  | 454236   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.58 | 164  | 288156   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.33 | 188  | 606343   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.57 | 240  | 517538   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.69 | 264  | 577243   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 881010   | 148.97 | ng    | 0.00     |
| 7) Phenol-d6                | 7.12  | 99   | 1265602  | 153.10 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 748670   | 88.17  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.07 | 330  | 471695   | 156.42 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.21 | 172  | 1588810  | 99.90  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.94 | 244  | 2101409  | 103.44 | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.14  | 94   | 34280    | 4.025  | ng    | 85       |
| 50) Dimethylphthalate       | 14.04 | 163  | 146716   | 7.171  | ng    | # 97     |

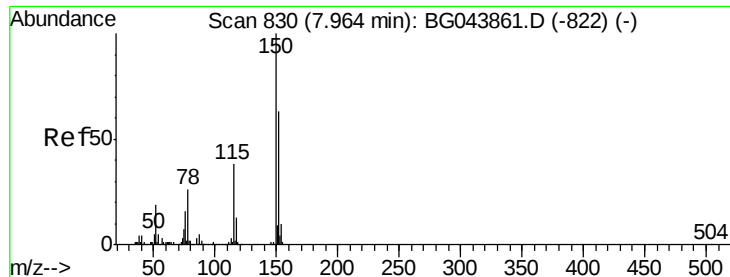
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\  
Data File : BG044001.D  
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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
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SOIL-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
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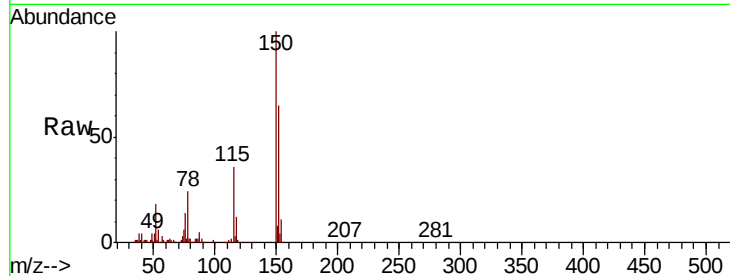


#1

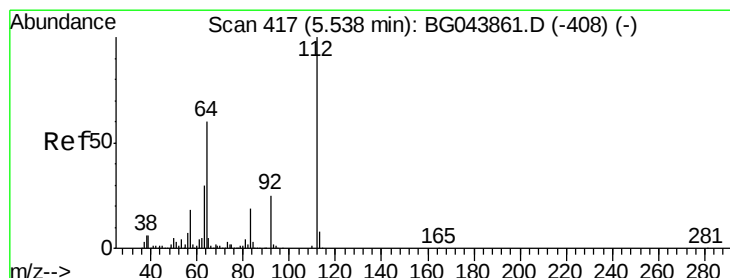
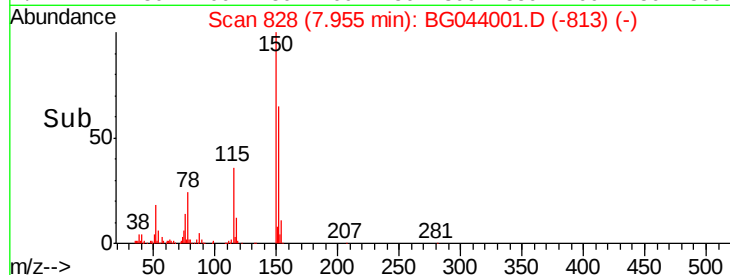
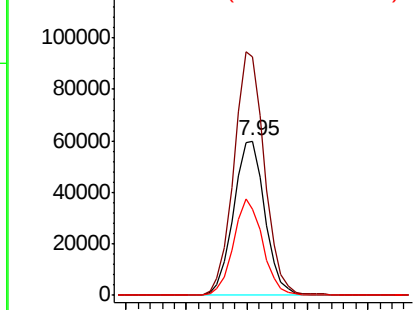
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 127.0 | 190.4 |
| 115     | 55.6  | 47.8  | 71.8  |



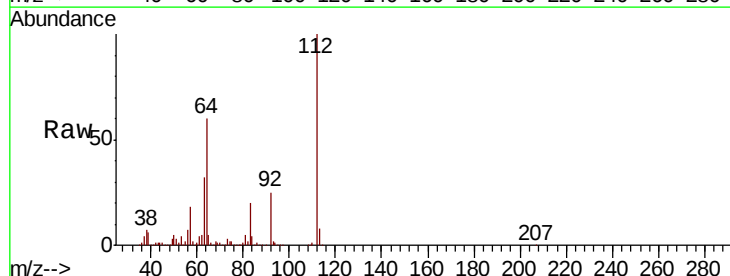
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



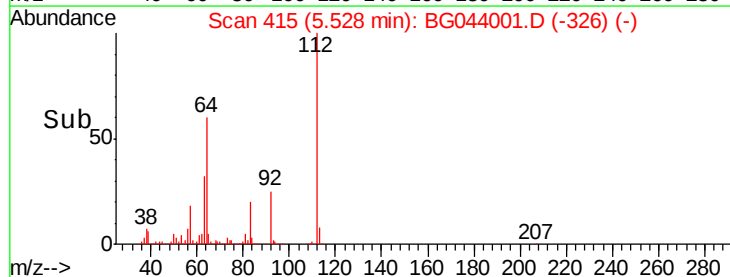
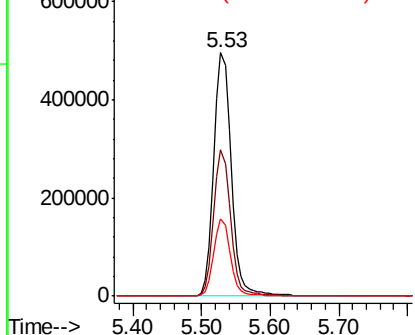
#5

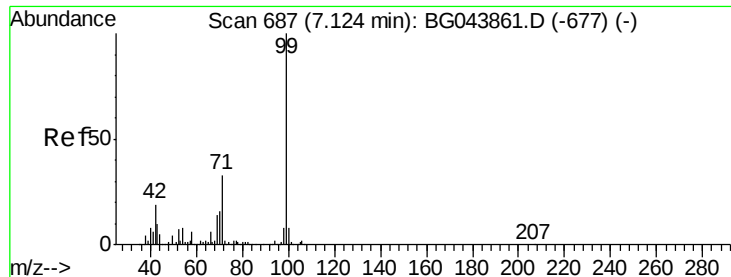
2-Fluorophenol  
Concen: 148.969 ng  
RT: 5.53 min Scan# 415  
Delta R.T. -0.01 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.9  | 47.8  | 71.6  |
| 63      | 31.7  | 24.3  | 36.5  |



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: 153.095 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

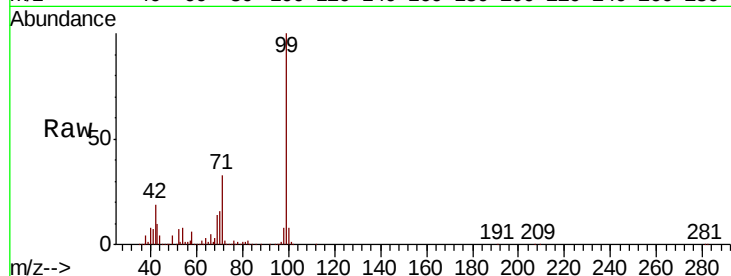
BNA\_G

ClientSampled :

SOIL-A

Tot Ion: 99 Resp: 1265602

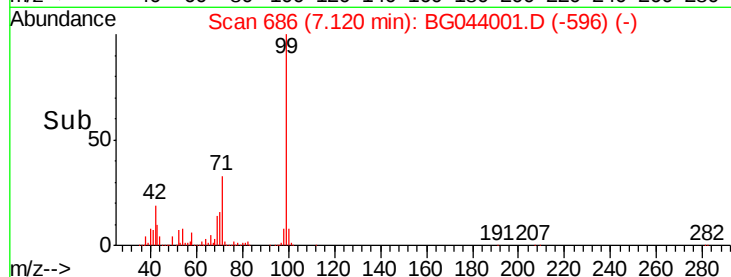
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 14.9  | 22.3  |
| 71  | 32.9  | 26.4  | 39.6  |



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



#10

Phenol

Concen: 4.025 ng

RT: 7.14 min Scan# 690

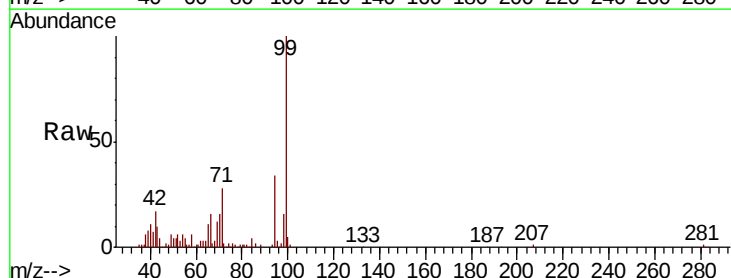
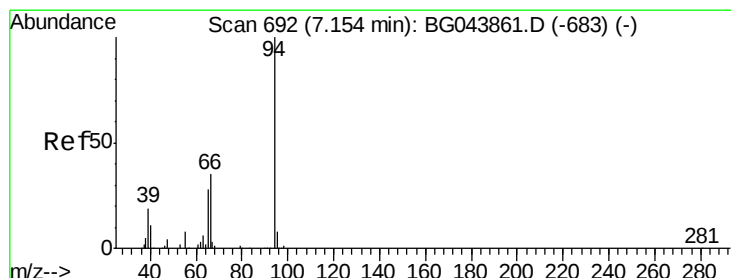
Delta R.T. -0.01 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Tgt Ion: 94 Resp: 34280

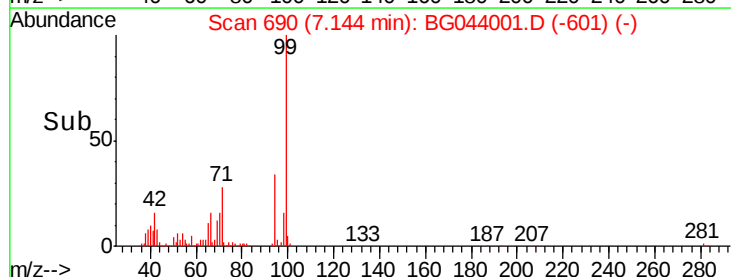
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.3  | 8.1   | 48.1  |
| 66  | 47.6  | 15.6  | 55.6  |



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA\_G

ClientSampled :

SOIL-A

Tot Ion:136 Resp: 454236

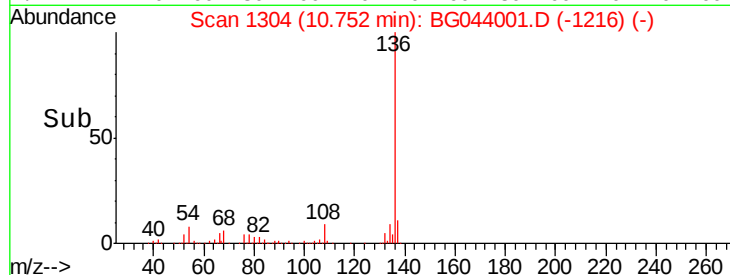
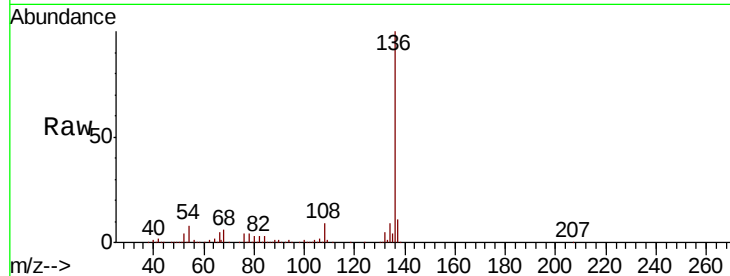
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.8 7.0 10.4

68 6.0 4.9 7.3

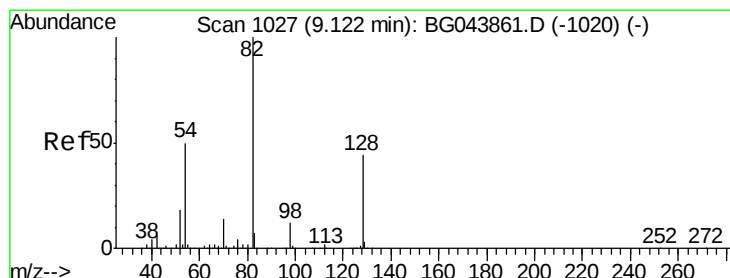
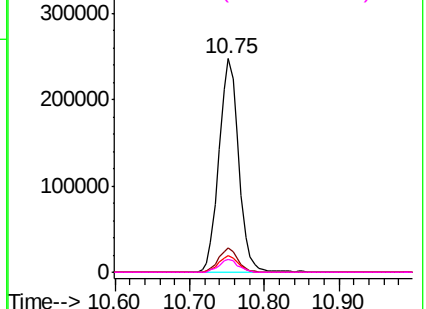


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 88.172 ng

RT: 9.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

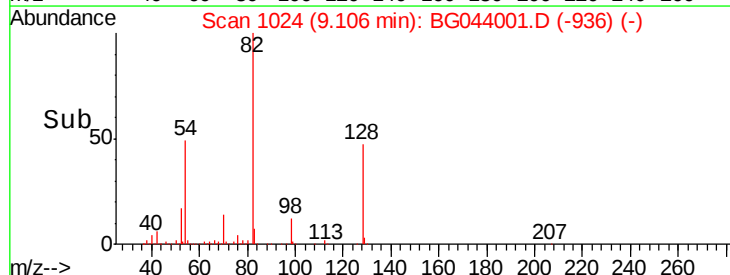
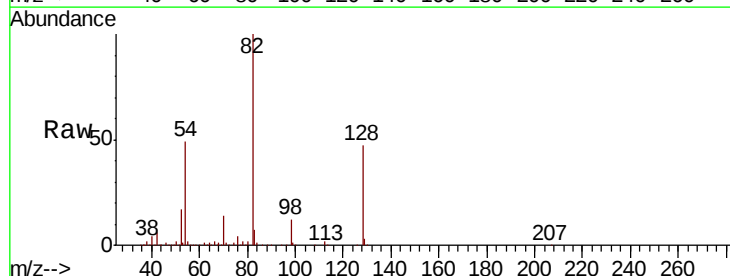
Tgt Ion: 82 Resp: 748670

Ion Ratio Lower Upper

82 100

128 47.0 35.1 52.7

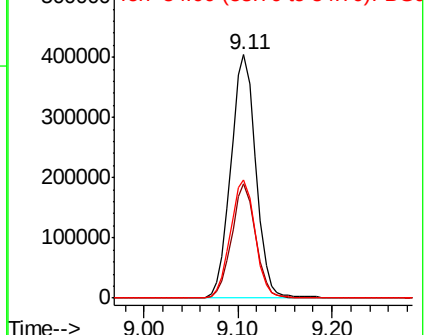
54 48.5 40.1 60.1

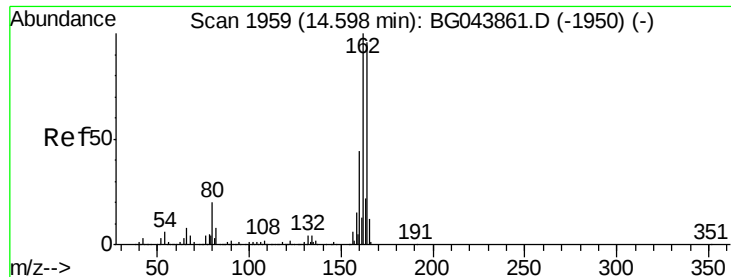


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA\_G

ClientSampleId :

SOIL-A

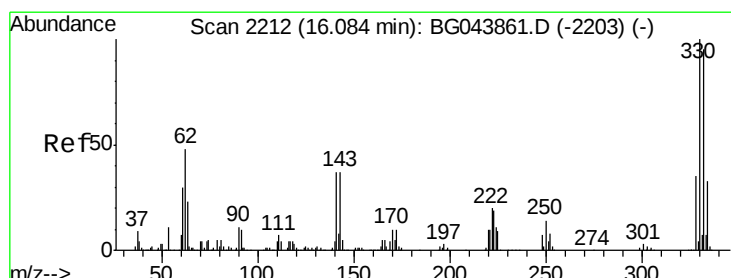
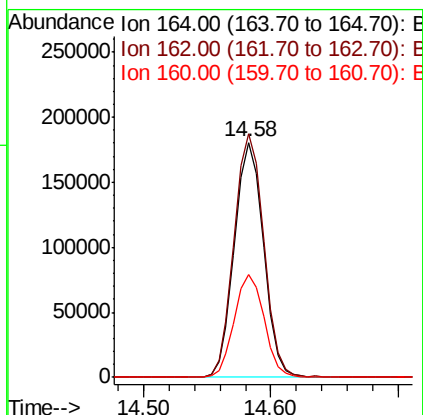
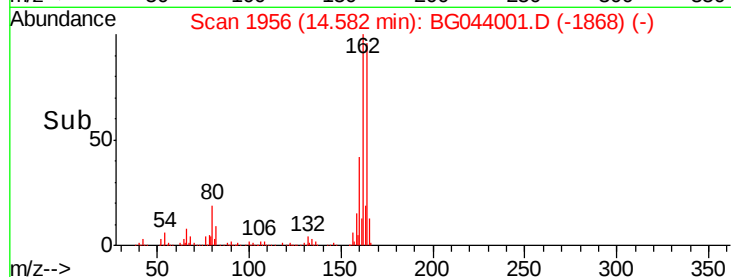
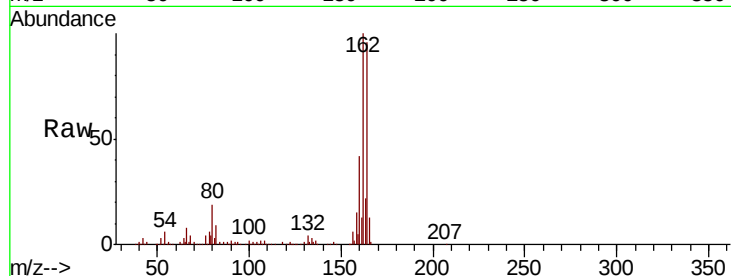
Tot Ion:164 Resp: 288156

Ion Ratio Lower Upper

164 100

162 103.6 83.0 124.4

160 43.8 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 156.424 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

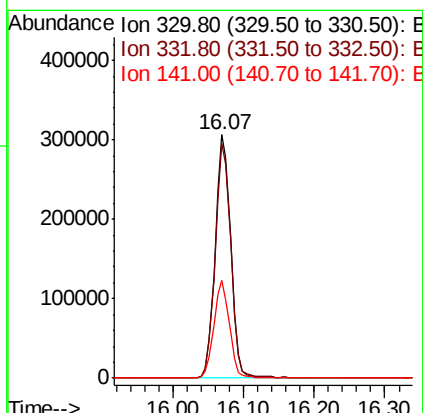
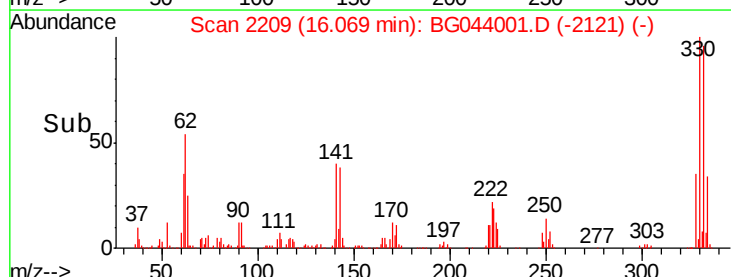
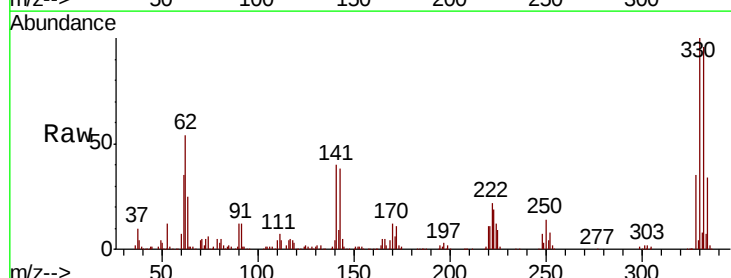
Tgt Ion:330 Resp: 471695

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 39.9 33.1 49.7

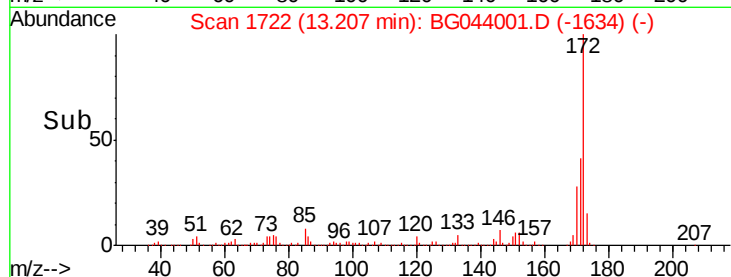
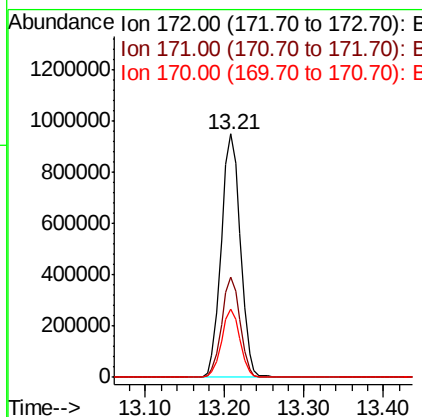
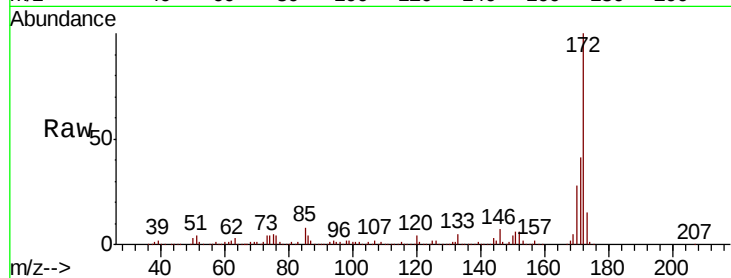




#45  
2-Fluorobiphenyl  
Concen: 99.896 ng  
RT: 13.21 min Scan# 1722  
Delta R.T. -0.02 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

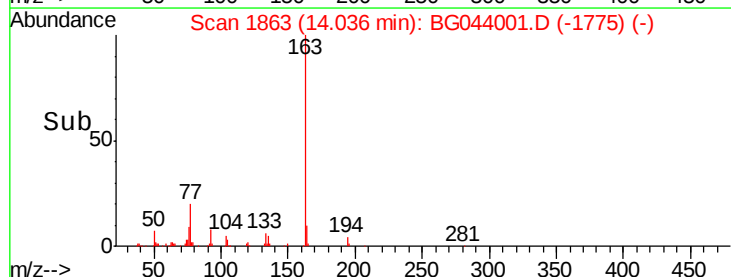
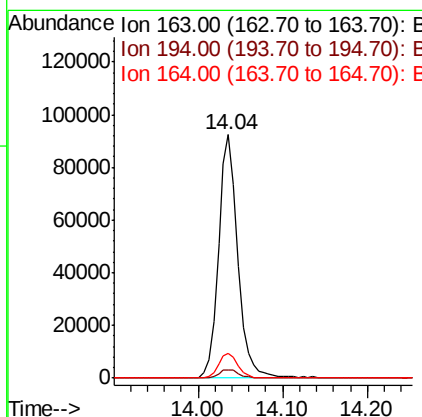
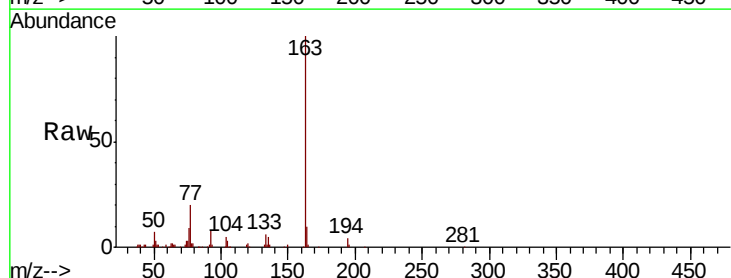
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-A

Tot Ion:172 Resp: 1588810  
Ion Ratio Lower Upper  
172 100  
171 41.1 35.8 53.8  
170 28.0 24.2 36.4



#50  
Dimethylphthalate  
Concen: 7.171 ng  
RT: 14.04 min Scan# 1863  
Delta R.T. -0.02 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

Tgt Ion:163 Resp: 146716  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.7 5.5#  
164 10.3 9.3 13.9

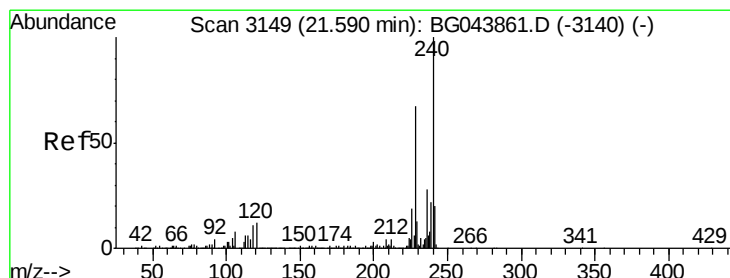
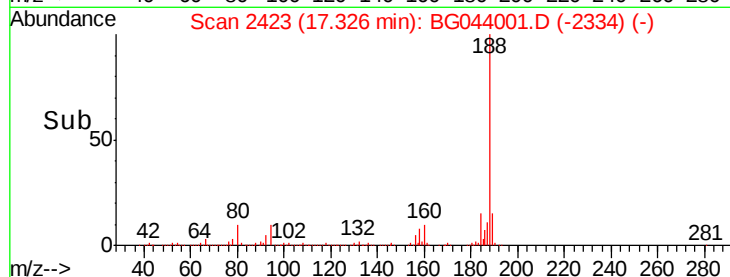
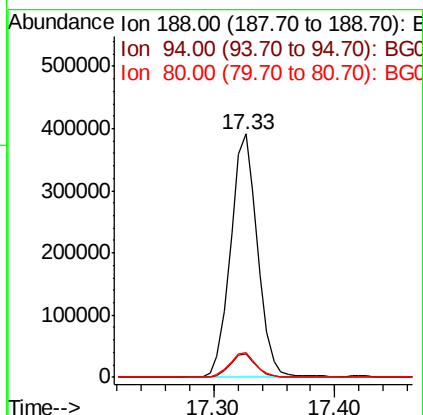
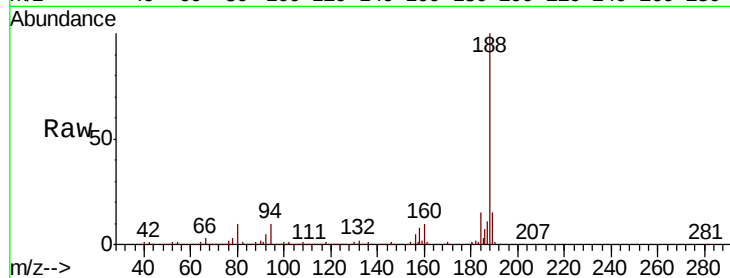




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.33 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

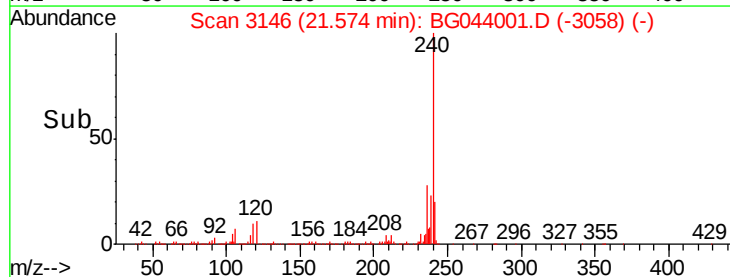
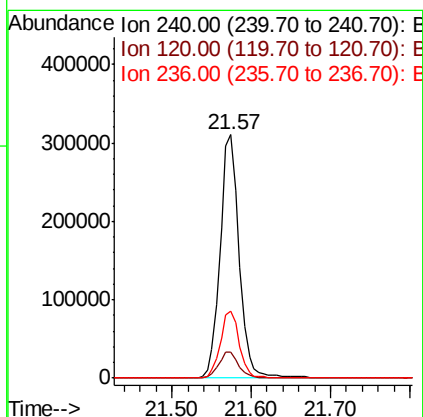
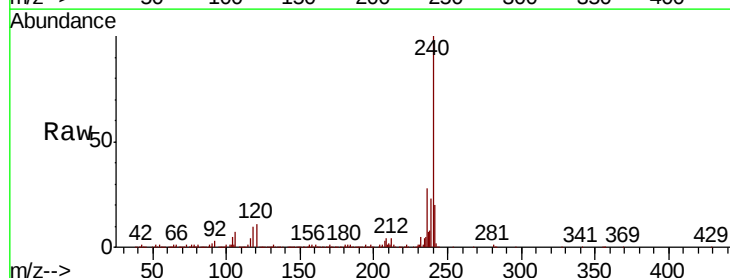
Instrument :  
BNA\_G  
ClientSampleId :  
SOIL-A

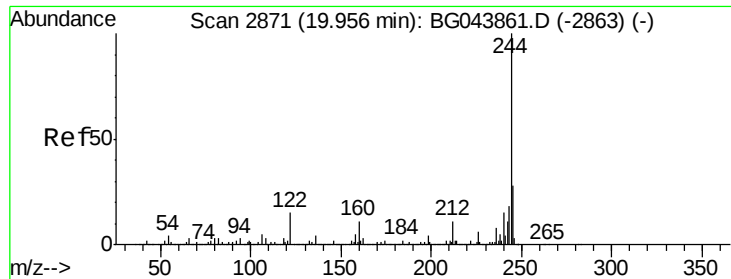
Tot Ion:188 Resp: 606343  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.9 11.9  
80 10.2 8.2 12.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.57 min Scan# 3146  
Delta R.T. -0.02 min  
Lab File: BG044001.D  
Acq: 10 Jan 2020 14:17

Tgt Ion:240 Resp: 517538  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.6 14.4  
236 27.6 22.2 33.2





#79

Terphenyl-d14

Concen: 103.436 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Instrument :

BNA\_G

ClientSampleId :

SOIL-A

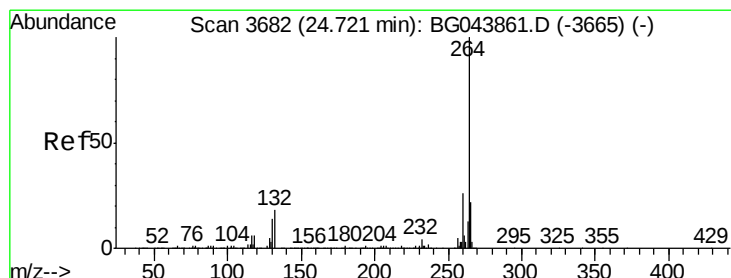
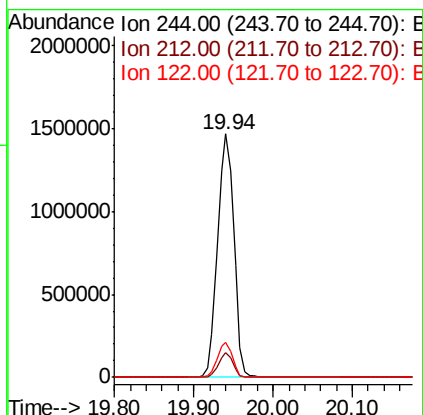
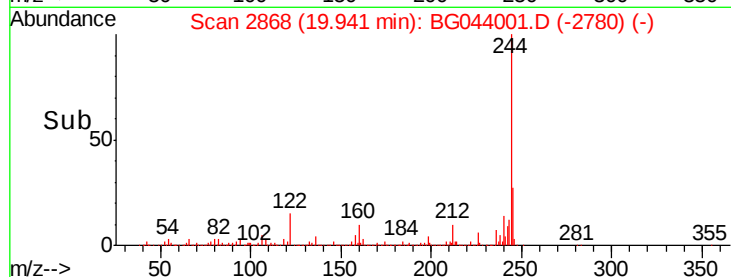
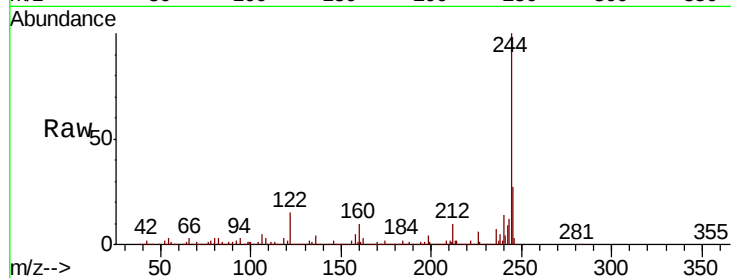
Tot Ion:244 Resp: 2101409

Ion Ratio Lower Upper

244 100

212 10.3 8.6 13.0

122 14.5 11.9 17.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.69 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG044001.D

Acq: 10 Jan 2020 14:17

Tgt Ion:264 Resp: 577243

Ion Ratio Lower Upper

264 100

260 24.0 20.4 30.6

265 21.2 17.4 26.2

