

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\  
 Data File : BG025374.D  
 Acq On : 22 Dec 2016 1:57  
 Operator : UM/SJ  
 Sample : H6103-01  
 Misc : LOD 8 PPM  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 05:10:29 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 18:42:01 2016  
 Response via : Initial Calibration

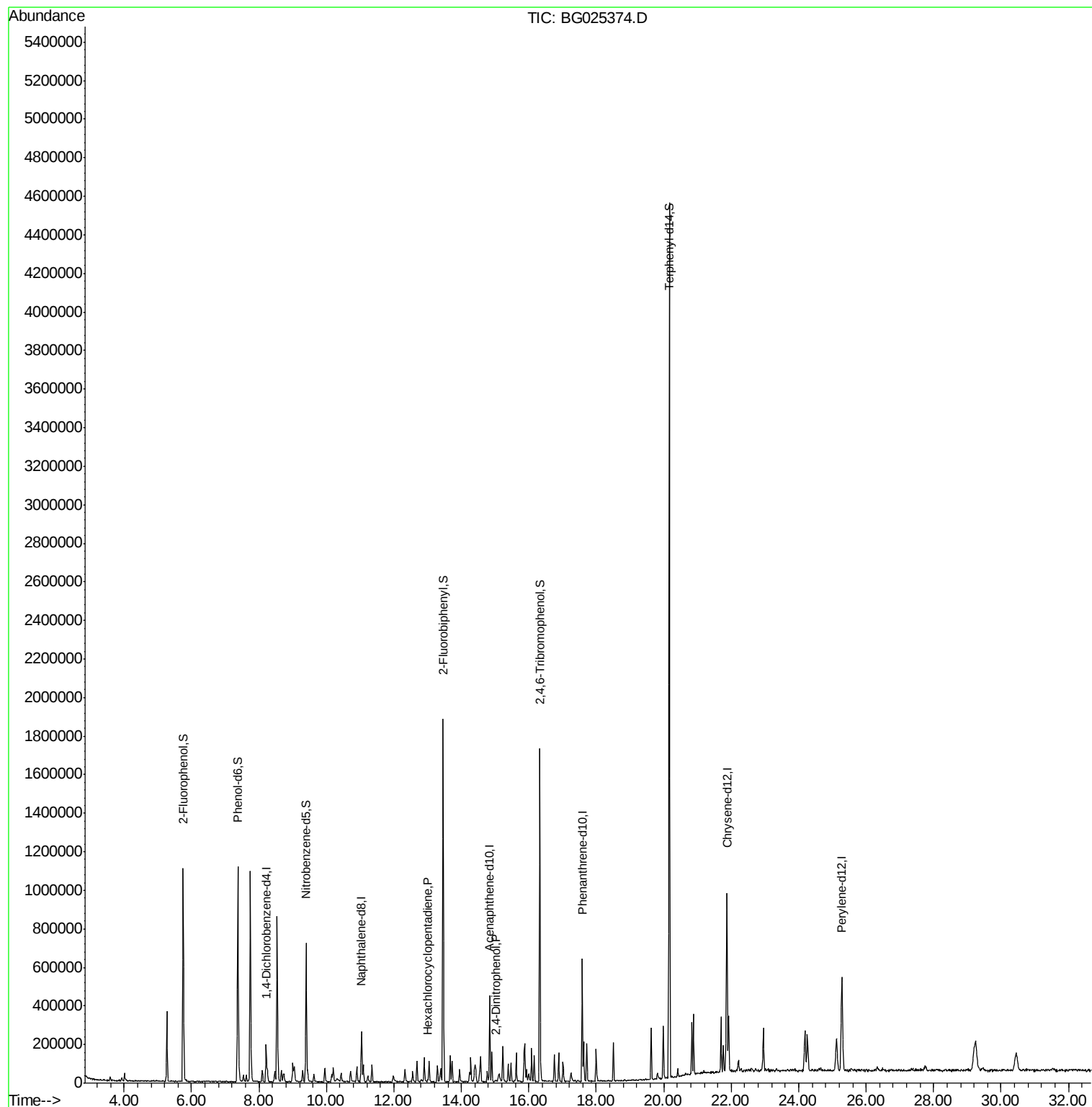
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.21  | 152  | 47930    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.04 | 136  | 208663   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.84 | 164  | 160874   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.58 | 188  | 384202   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.87 | 240  | 577876   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.28 | 264  | 605483   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.75  | 112  | 424361   | 160.93 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.37  | 99   | 572819   | 154.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 443203   | 93.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.33 | 330  | 347520   | 134.18 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.46 | 172  | 952982   | 95.90  | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.16 | 244  | 1877882  | 86.16  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 40) Hexachlorocyclopentadiene | 13.00 | 237  | 2582     | 9.70   | ng    | # 69     |
| 53) 2,4-Dinitrophenol         | 15.02 | 184  | 2156     | 6.28   | ng    | # 75     |

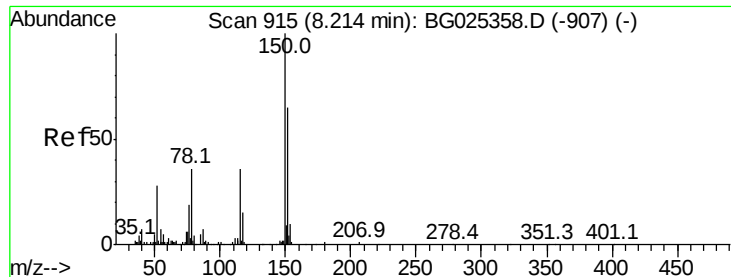
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\  
Data File : BG025374.D  
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Misc : LOD 8 PPM  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 05:10:29 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 18:42:01 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Instrument :

BNA\_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

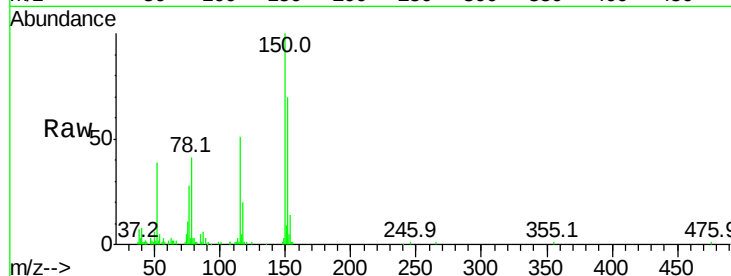
Tot Ion:152 Resp: 47930

Ion Ratio Lower Upper

152 100

150 142.1 114.0 171.0

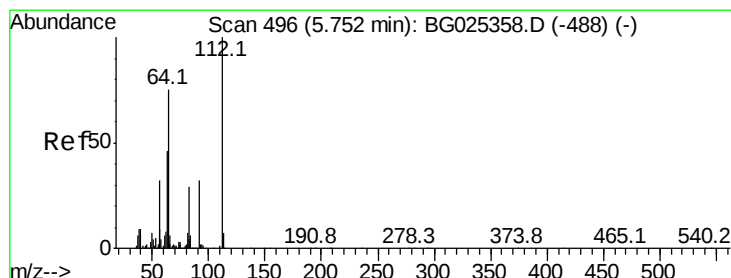
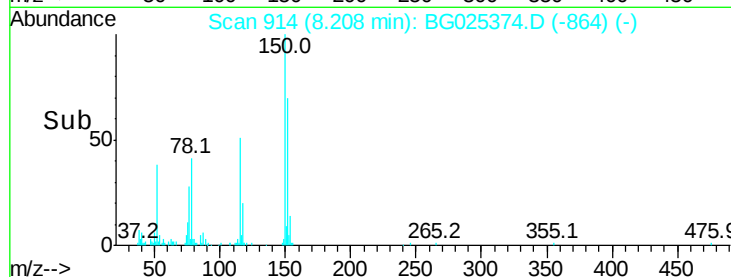
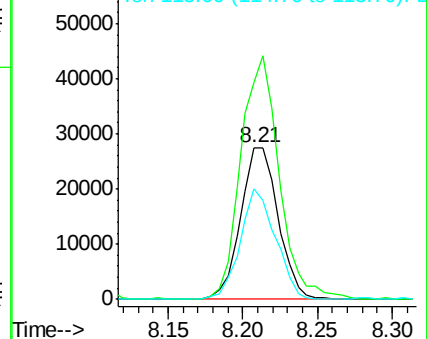
115 72.4 48.1 72.1#



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: 160.93 ng

RT: 5.75 min Scan# 496

Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

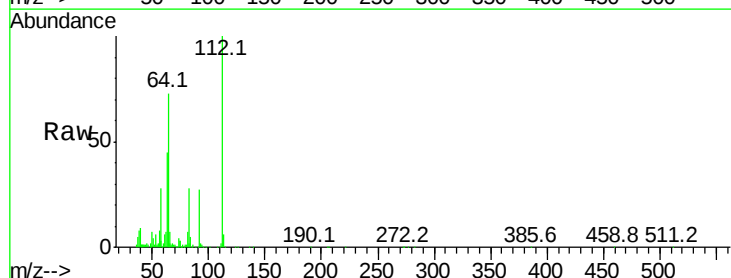
Tgt Ion:112 Resp: 424361

Ion Ratio Lower Upper

112 100

64 73.4 61.8 92.6

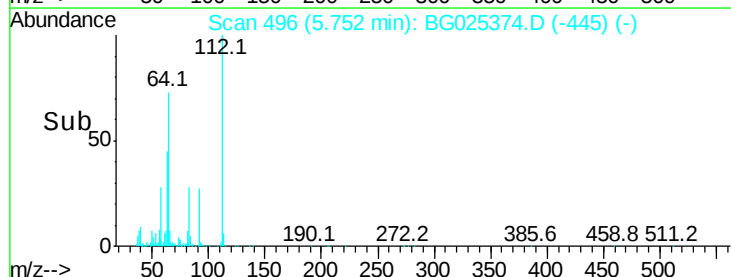
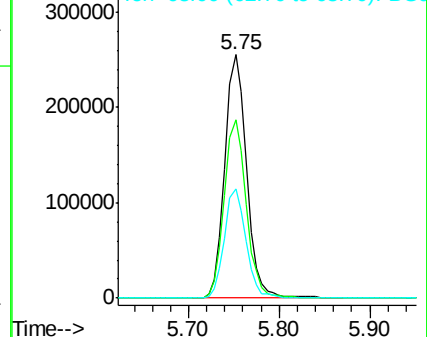
63 44.7 37.2 55.8

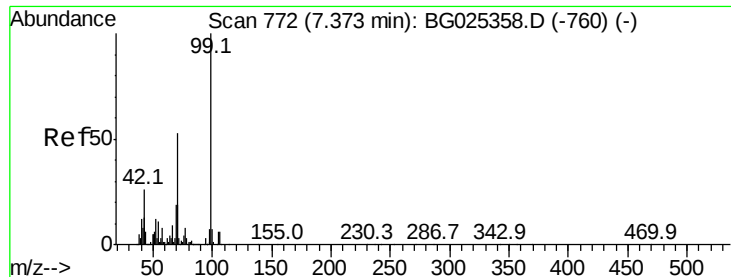


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 154.24 ng

RT: 7.37 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Instrument :

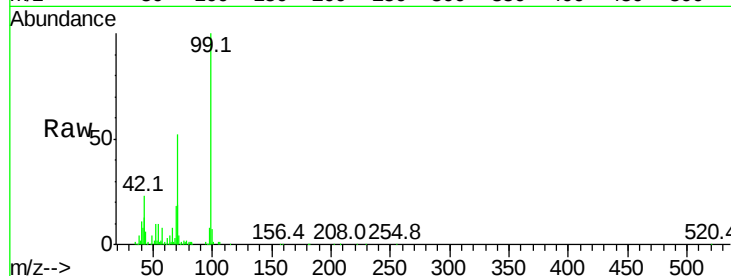
BNA\_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

Tot Ion: 99 Resp: 572819

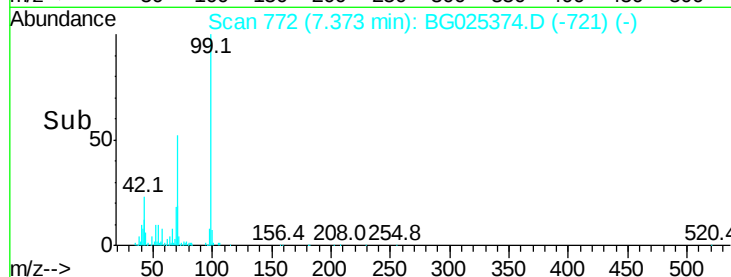
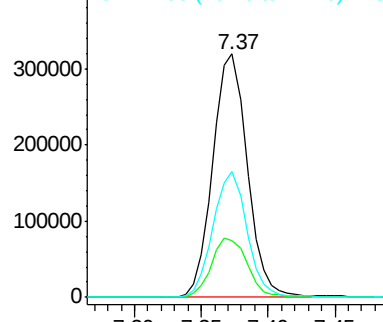
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.1  | 20.5  | 30.7  |
| 71  | 51.9  | 37.6  | 56.4  |



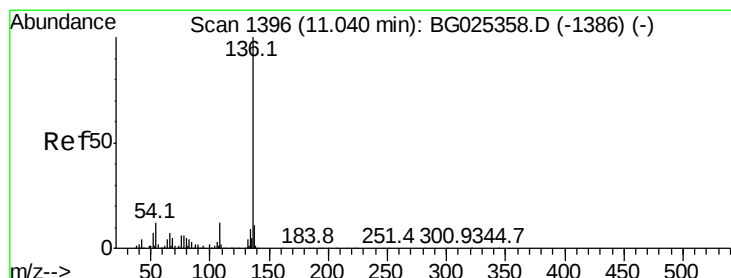
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.04 min Scan# 1396

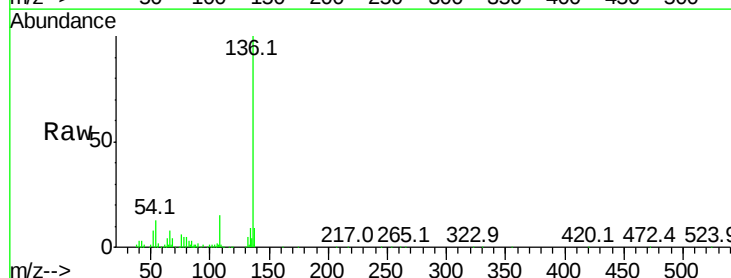
Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Tgt Ion: 136 Resp: 208663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 9.0   | 8.9   | 13.3  |
| 54  | 13.3  | 9.3   | 13.9  |
| 68  | 4.5   | 5.1   | 7.7#  |

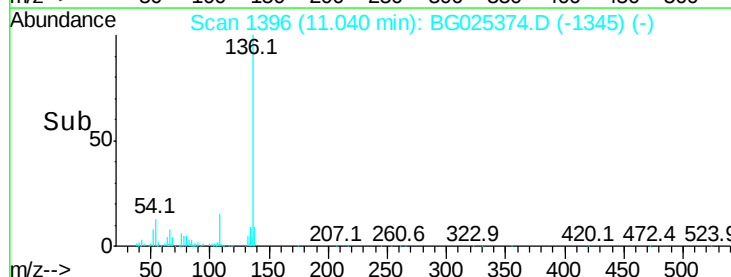
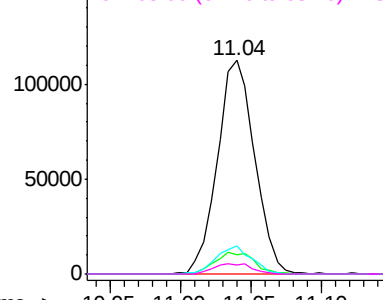


Abundance Ion 136.00 (135.70 to 136.70): BGC

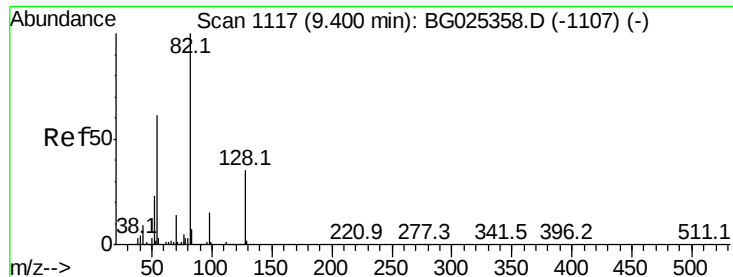
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 93.83 ng

RT: 9.39 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Instrument :

BNA\_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

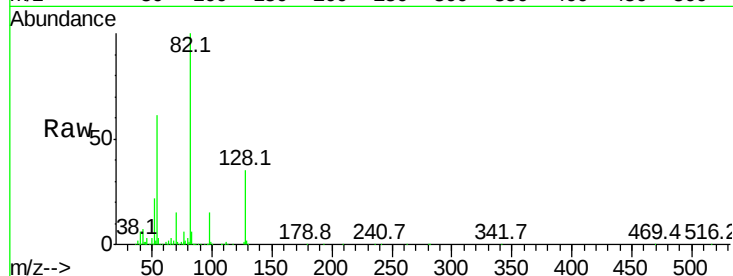
Tot Ion: 82 Resp: 443203

Ion Ratio Lower Upper

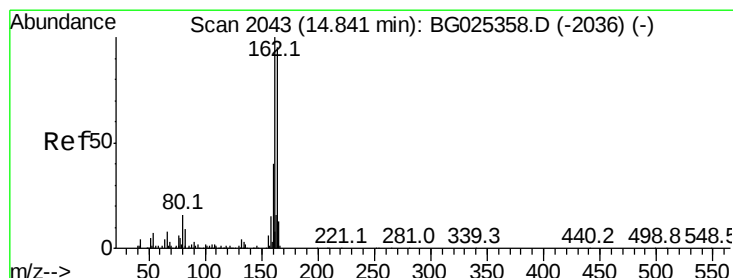
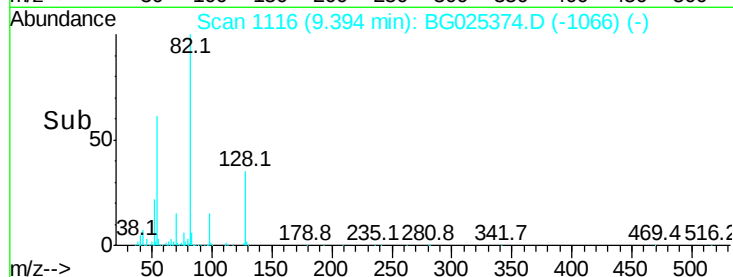
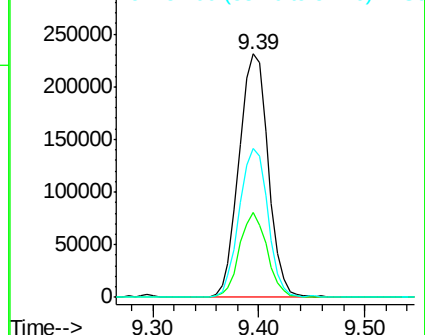
82 100

128 34.7 26.4 39.6

54 61.2 49.4 74.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.84 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

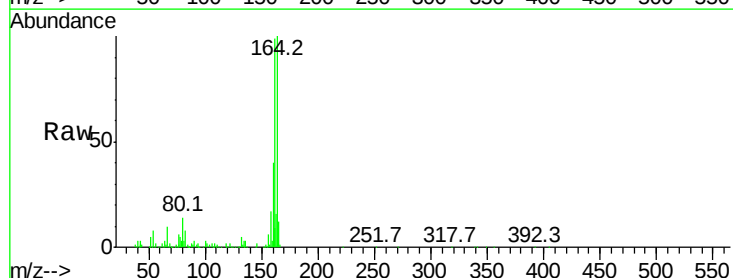
Tgt Ion: 164 Resp: 160874

Ion Ratio Lower Upper

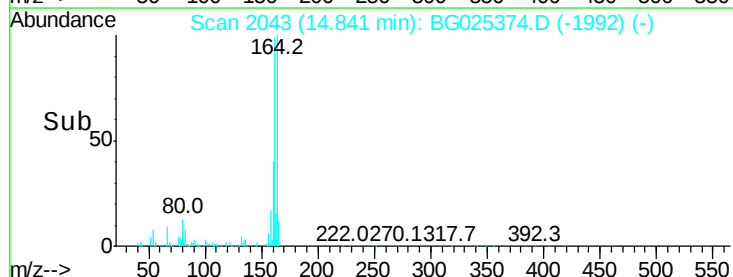
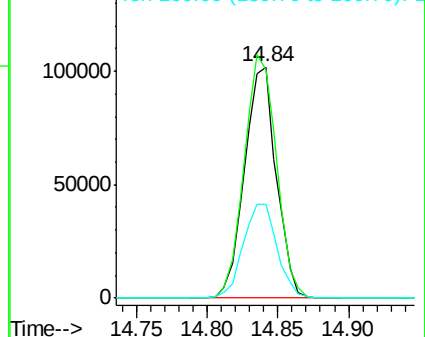
164 100

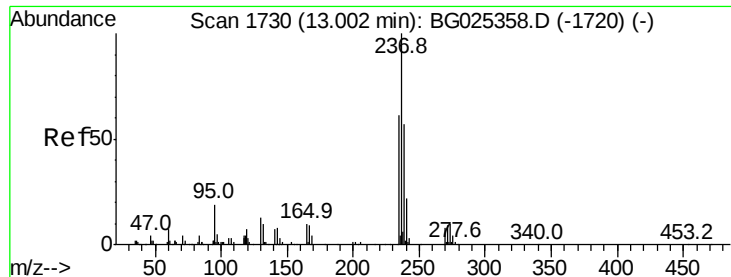
162 98.8 85.1 127.7

160 40.4 34.7 52.1



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

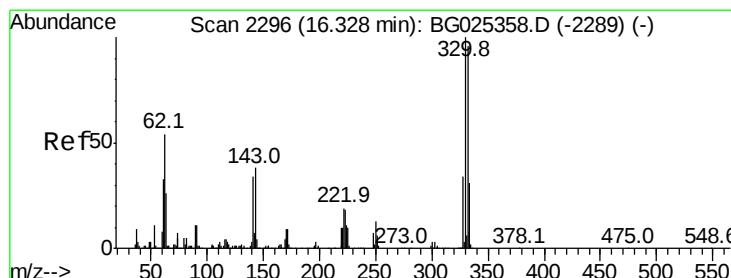
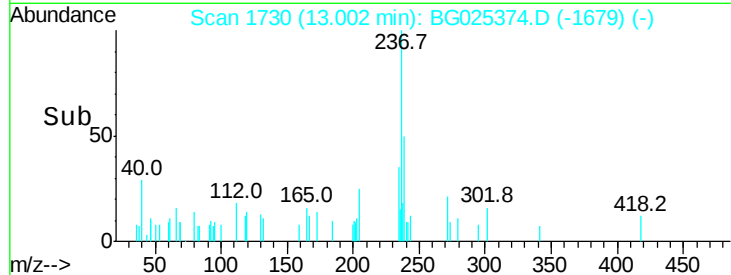
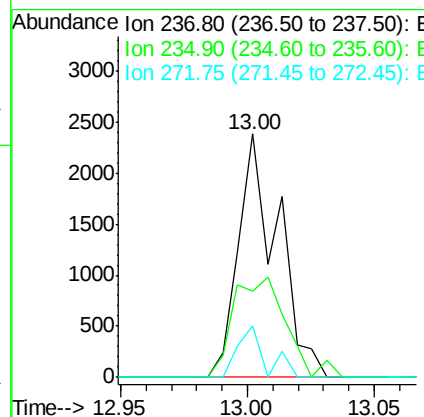
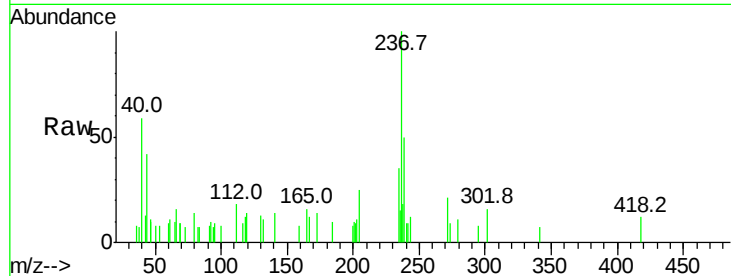




#40  
Hexachlorocyclopentadiene  
Concen: 9.70 ng  
RT: 13.00 min Scan# 1730  
Delta R.T. -0.00 min  
Lab File: BG025374.D  
Acq: 22 Dec 2016 1:57

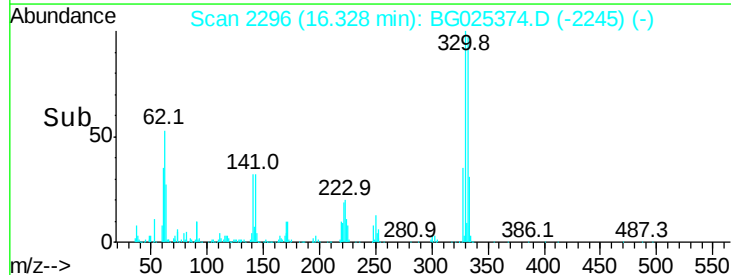
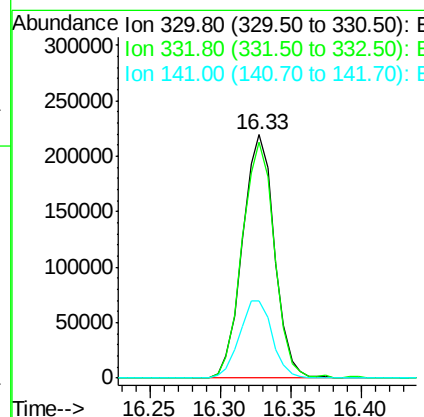
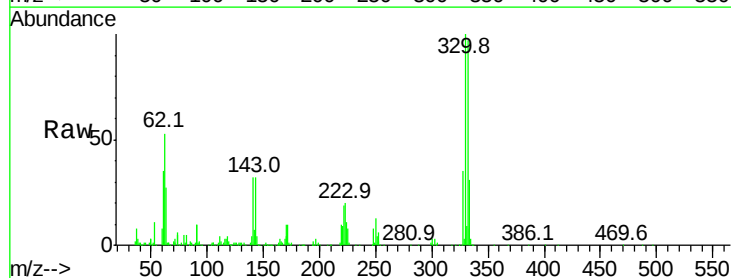
Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT1-2017

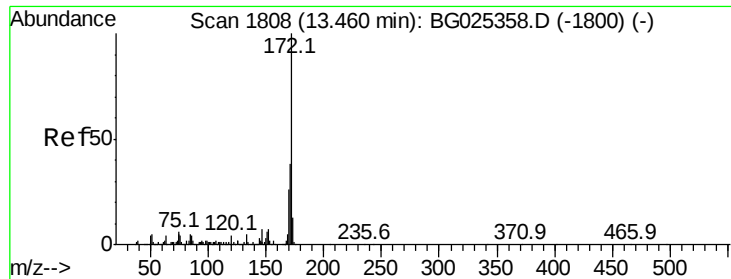
Tot Ion:237 Resp: 2582  
Ion Ratio Lower Upper  
237 100  
235 35.2 39.4 79.4#  
272 21.3 0.0 32.0



#41  
2,4,6-Tribromophenol  
Concen: 134.18 ng  
RT: 16.33 min Scan# 2296  
Delta R.T. -0.00 min  
Lab File: BG025374.D  
Acq: 22 Dec 2016 1:57

Tgt Ion:330 Resp: 347520  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.3 115.9  
141 32.8 32.1 48.1

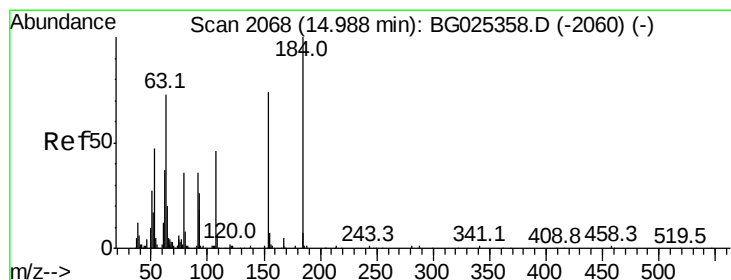
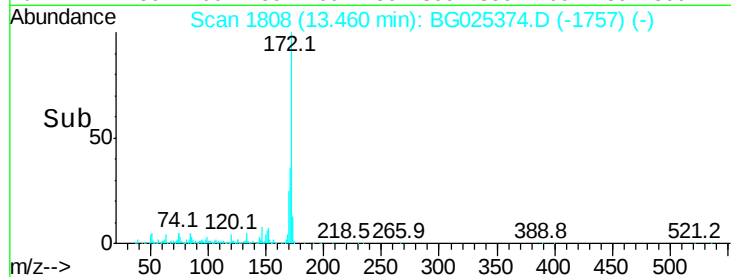
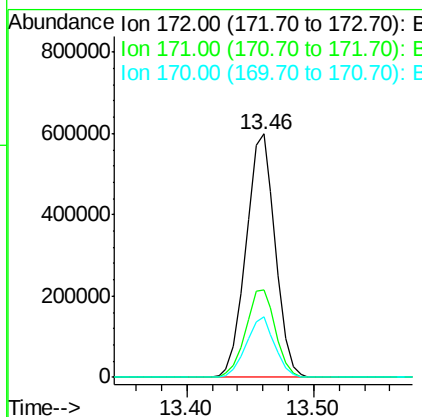
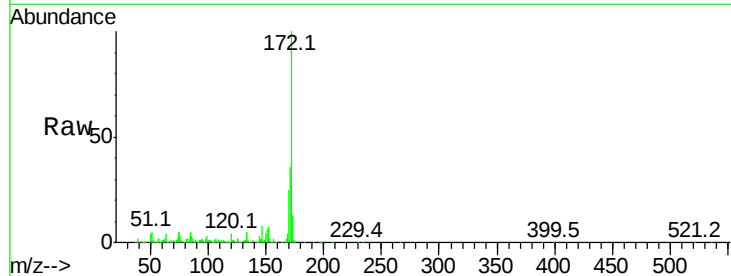




#44  
 2-Fluorobiphenyl  
 Concen: 95.90 ng  
 RT: 13.46 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: BG025374.D  
 Acq: 22 Dec 2016 1:57

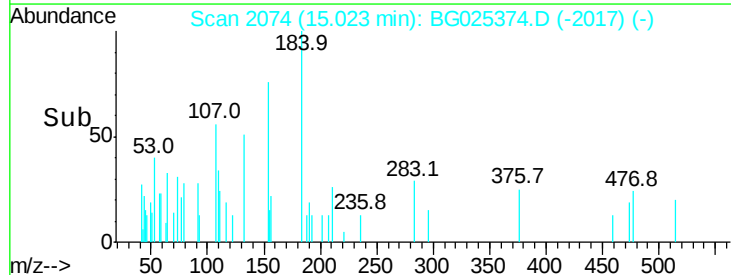
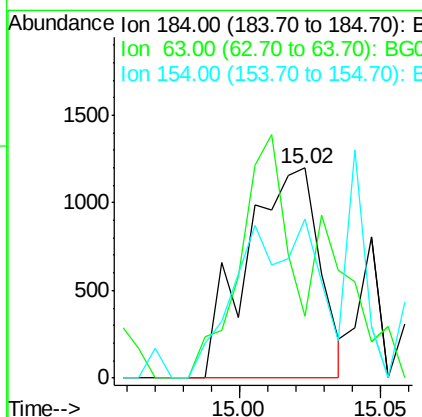
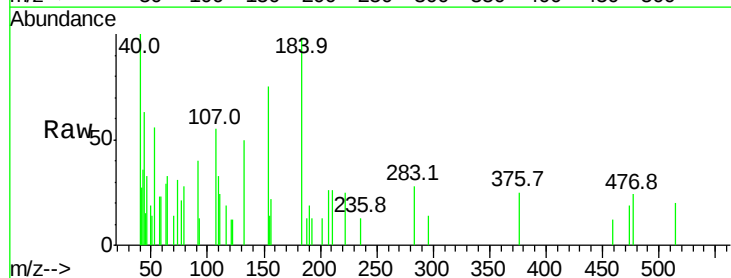
Instrument :  
 BNA\_G  
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 LOD-SOIL-01-QT1-2017

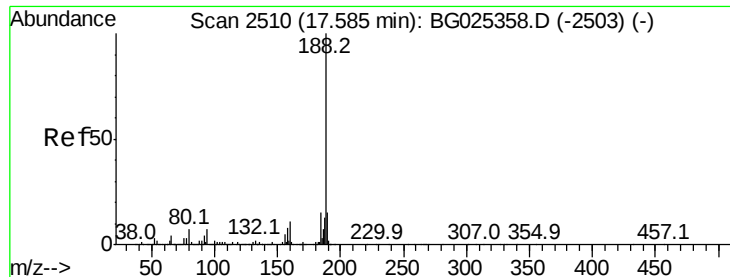
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 32.2  | 48.2  |
| 170     | 25.0  | 21.8  | 32.6  |



#53  
 2,4-Dinitrophenol  
 Concen: 6.28 ng  
 RT: 15.02 min Scan# 2074  
 Delta R.T. 0.04 min  
 Lab File: BG025374.D  
 Acq: 22 Dec 2016 1:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 29.4  | 52.7  | 79.1# |
| 154     | 75.7  | 57.3  | 85.9  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Instrument :

BNA\_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

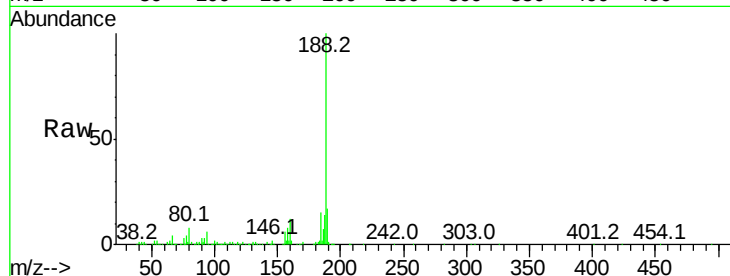
Tot Ion:188 Resp: 384202

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.8

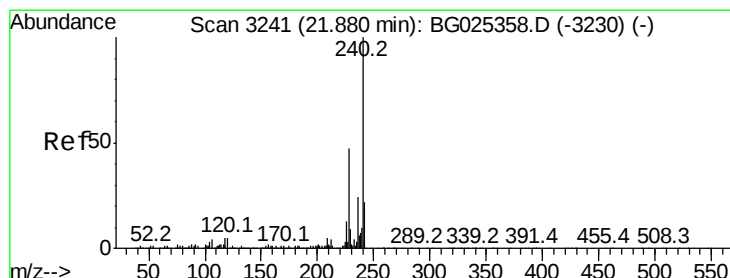
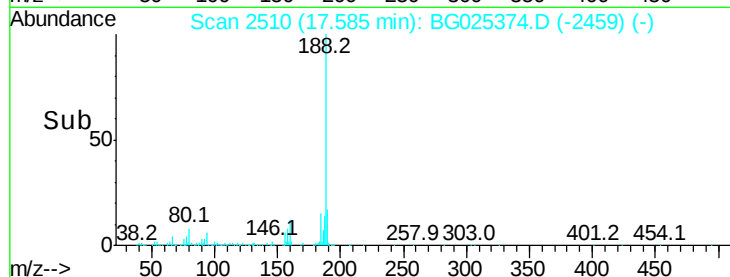
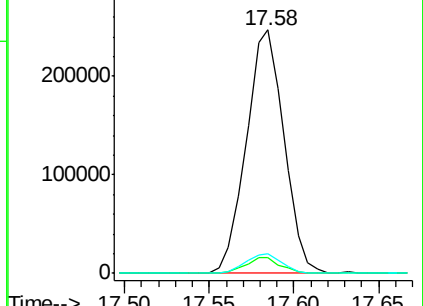
80 8.1 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

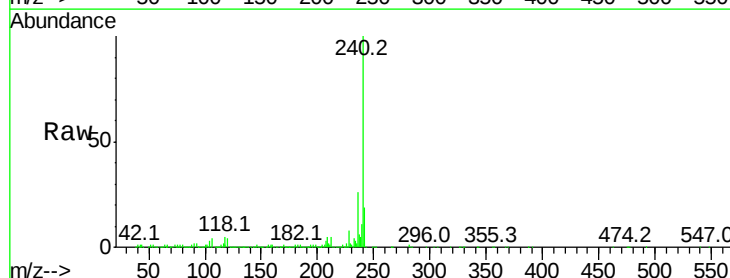
Tgt Ion:240 Resp: 577876

Ion Ratio Lower Upper

240 100

120 4.5 5.7 8.5#

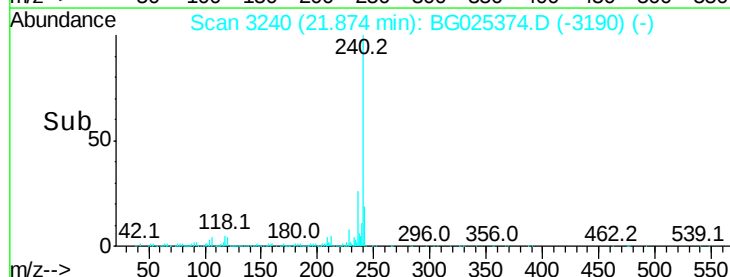
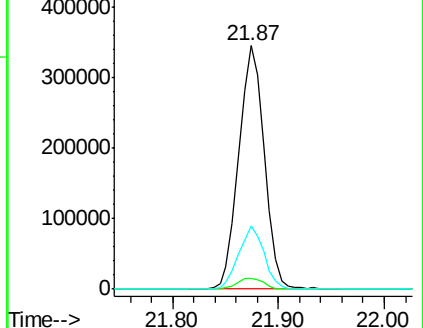
236 25.9 22.2 33.4

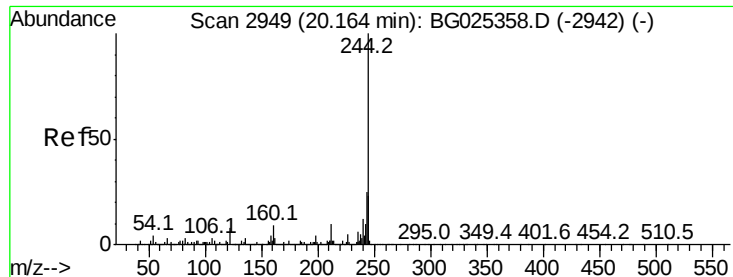


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.16 ng

RT: 20.16 min Scan# 2949

Delta R.T. -0.00 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

Instrument :

BNA\_G

ClientSampleId :

LOD-SOIL-01-QT1-2017

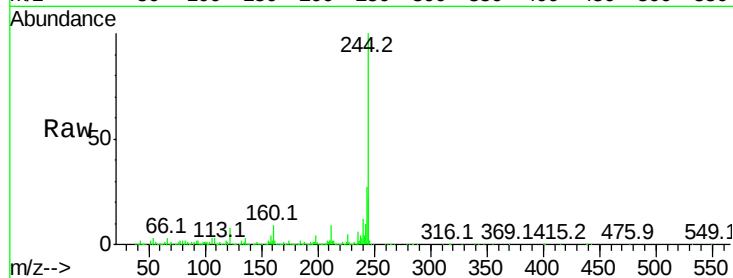
Tot Ion:244 Resp: 1877882

Ion Ratio Lower Upper

244 100

212 9.5 10.0 15.0#

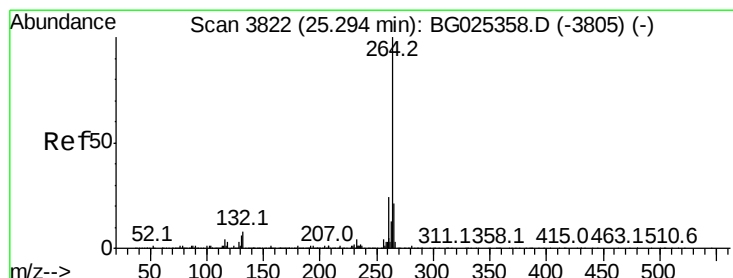
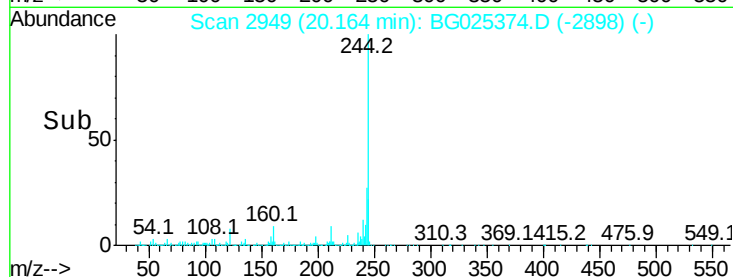
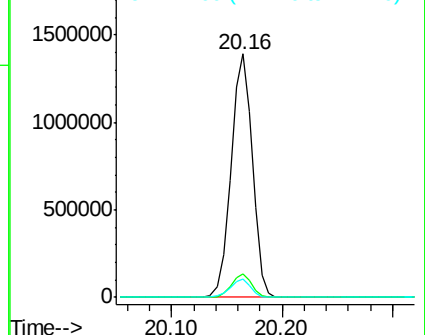
122 7.6 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG025374.D

Acq: 22 Dec 2016 1:57

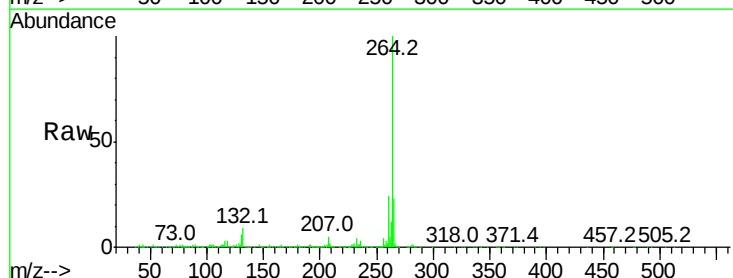
Tgt Ion:264 Resp: 605483

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

265 22.9 18.2 27.4



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

