

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040617\  
 Data File : BG026584.D  
 Acq On : 7 Apr 2017 2:59  
 Operator : SJ/MA  
 Sample : I2572-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RT-2891

Quant Time: Apr 07 05:33:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

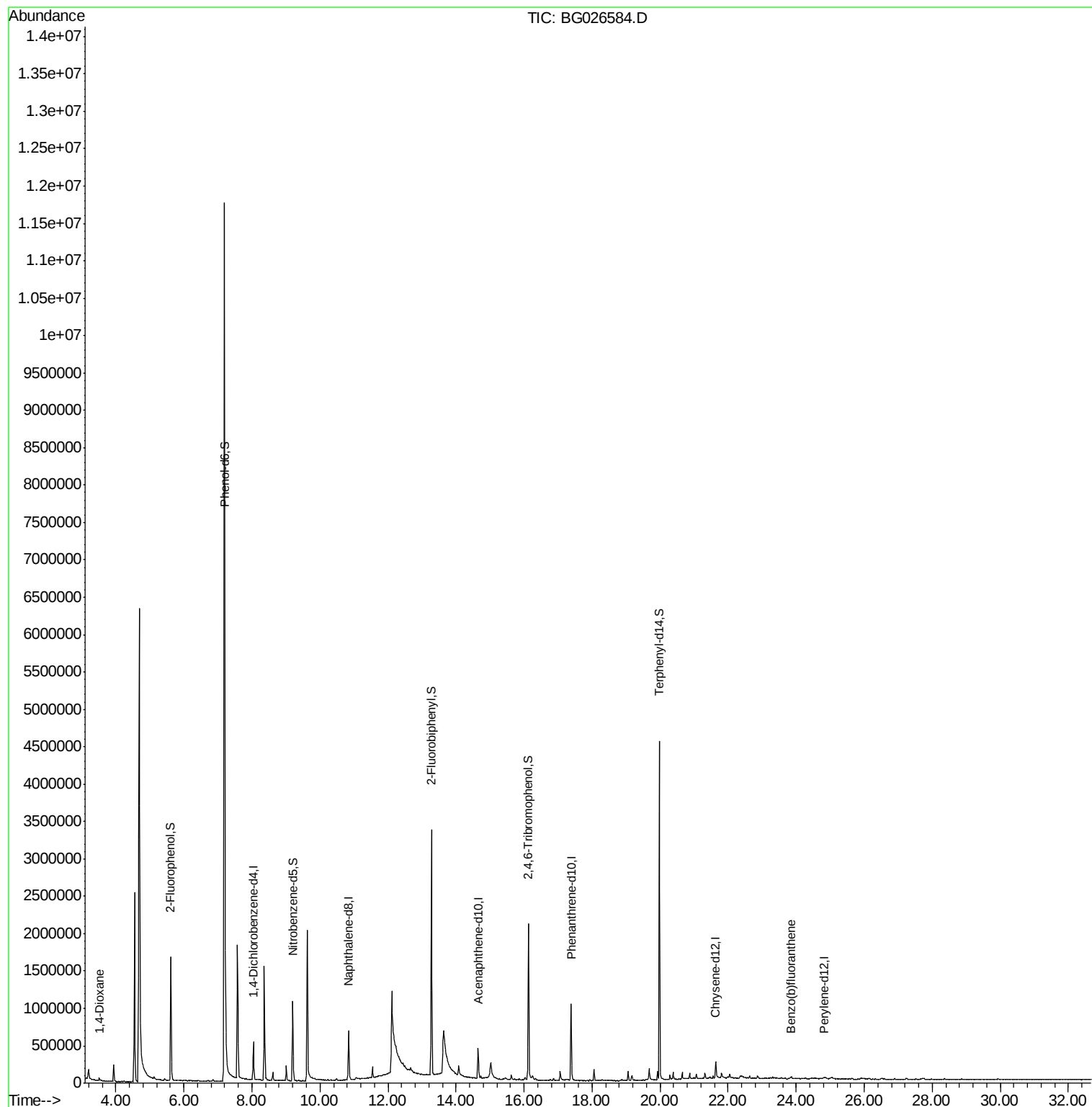
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 165947   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 639260   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 114603   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 583291   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.63 | 240  | 108660   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.83 | 264  | 5368     | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 884076   | 94.56  | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 452833   | 36.08  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 702171   | 66.05  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 475411   | 362.25 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 1871669  | 229.03 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.97 | 244  | 1674074  | 374.16 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 2) 1,4-Dioxane              | 3.52  | 88   | 24793    | 5.91   | ng    | # 67     |
| 87) Benzo(b)fluoranthene    | 23.83 | 252  | 691      | 2.18   | ng    | # 27     |

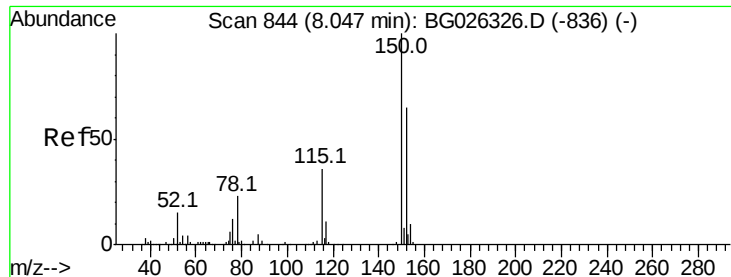
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

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BNA\_G

ClientSampleId :

RT-2891

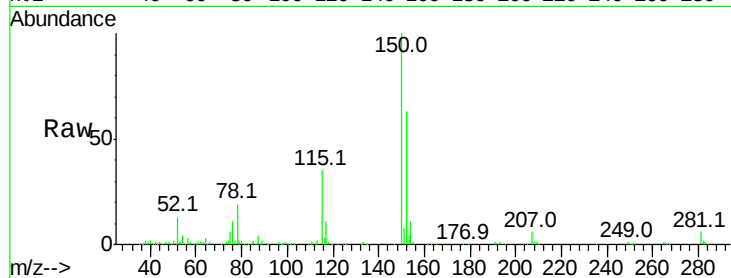
Tot Ion:152 Resp: 165947

Ion Ratio Lower Upper

152 100

150 157.8 114.0 171.0

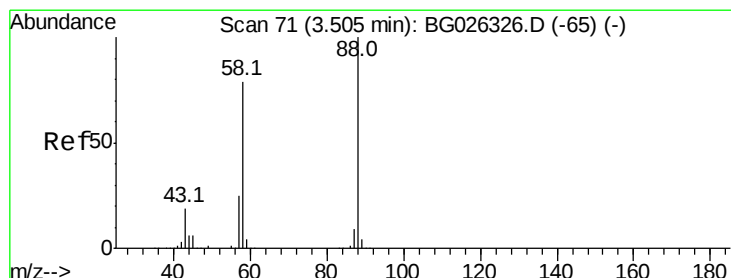
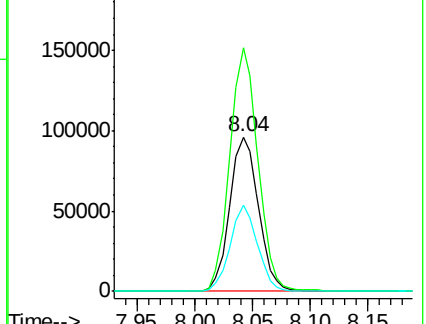
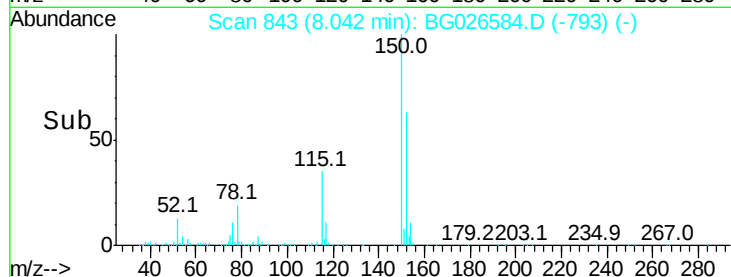
115 56.0 48.1 72.1



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



#2

1,4-Dioxane

Concen: 5.91 ng

RT: 3.52 min Scan# 73

Delta R.T. 0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

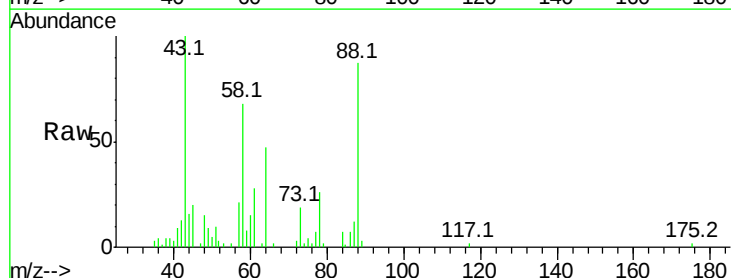
Tgt Ion: 88 Resp: 24793

Ion Ratio Lower Upper

88 100

58 72.4 79.4 119.2#

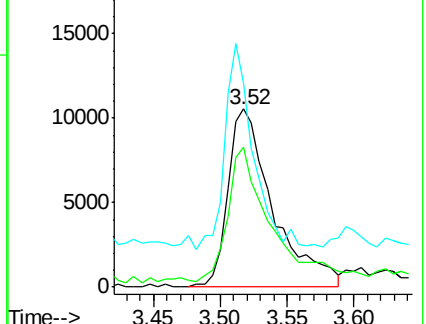
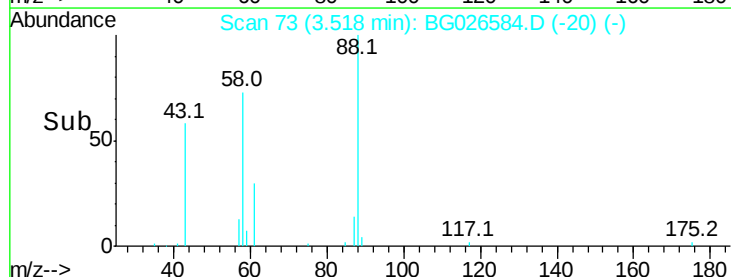
43 72.9 33.8 50.6#

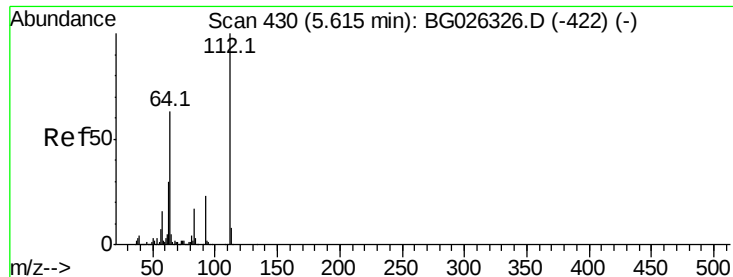


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 94.56 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

Instrument :

BNA\_G

ClientSampleId :

RT-2891

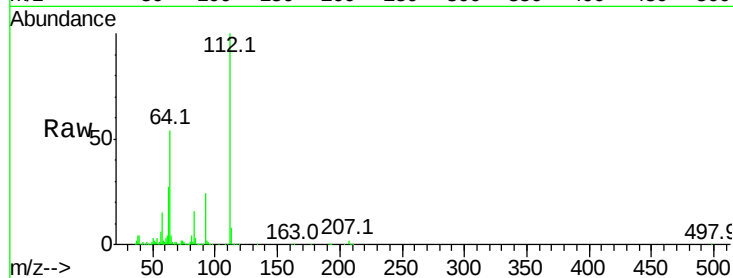
Tot Ion:112 Resp: 884076

Ion Ratio Lower Upper

112 100

64 54.4 61.8 92.6#

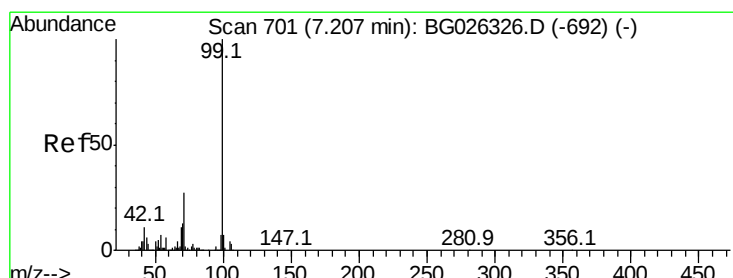
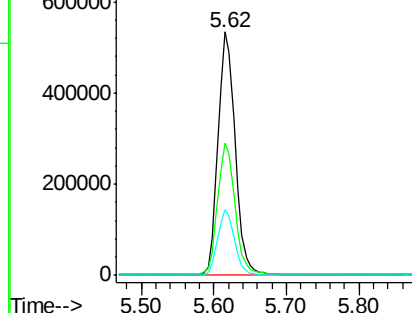
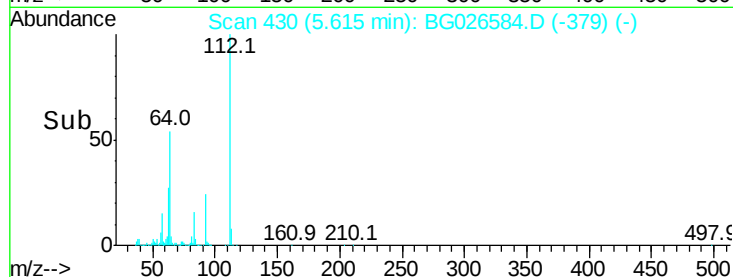
63 26.9 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 36.08 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

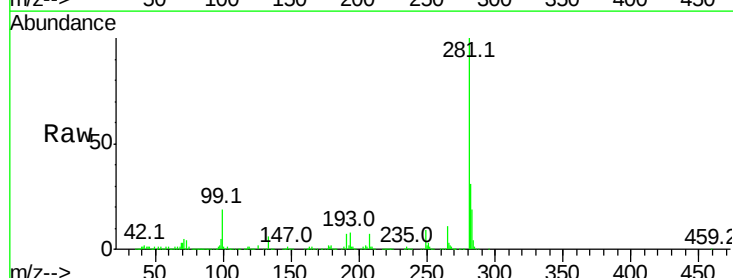
Tgt Ion: 99 Resp: 452833

Ion Ratio Lower Upper

99 100

42 10.8 20.5 30.7#

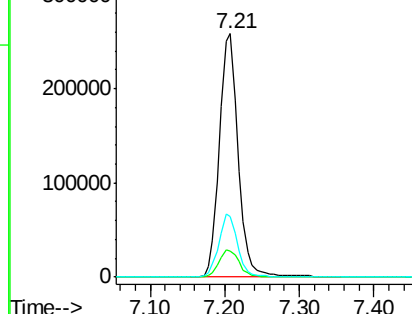
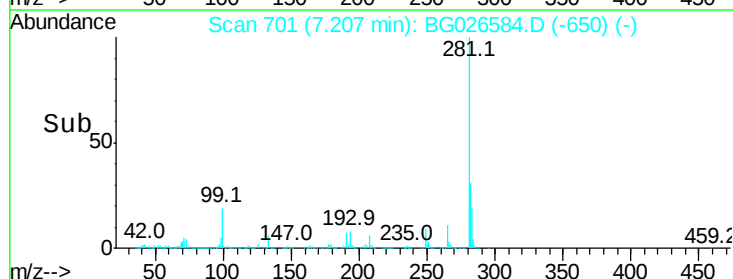
71 25.0 37.6 56.4#

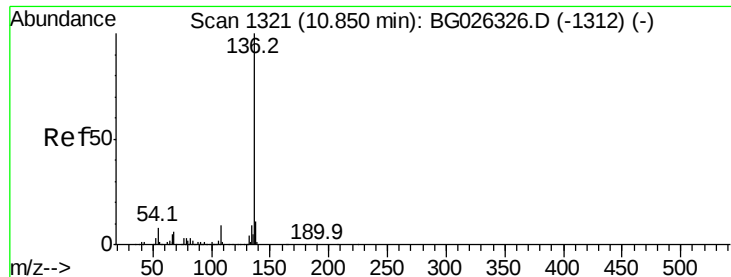


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

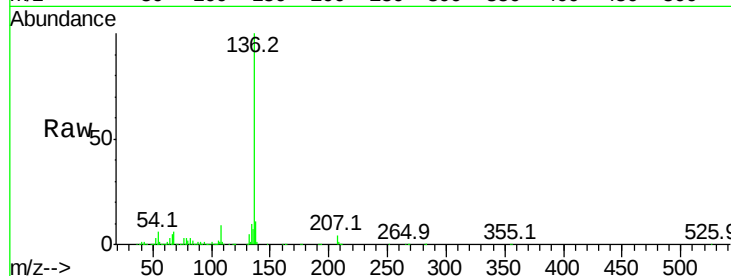




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.84 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BG026584.D  
Acq: 7 Apr 2017 2:59

Instrument :  
BNA\_G  
ClientSampleId :  
RT-2891

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.2  | 8.9   | 13.3  |
| 54      | 6.0   | 9.3   | 13.9# |
| 68      | 5.6   | 5.1   | 7.7   |



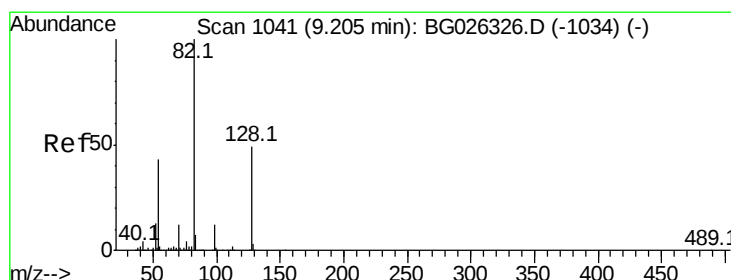
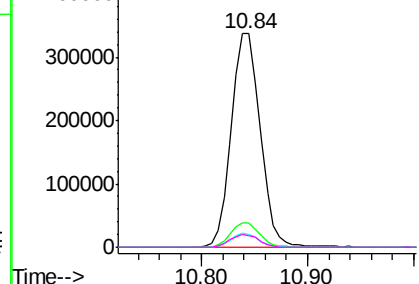
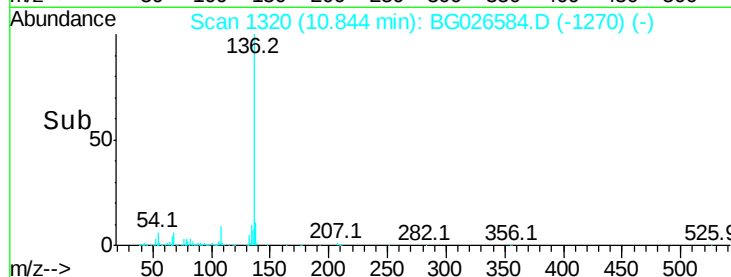
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

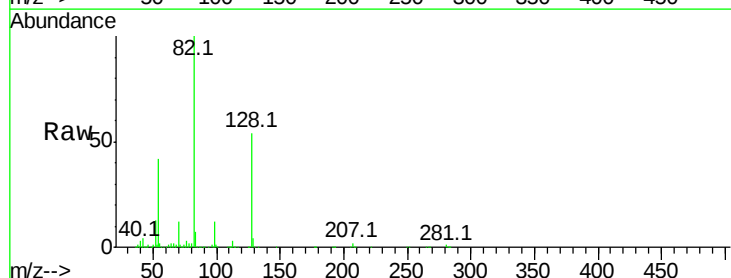
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23  
Nitrobenzene-d5  
Concen: 66.05 ng  
RT: 9.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BG026584.D  
Acq: 7 Apr 2017 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.6  | 26.4  | 39.6# |
| 54      | 42.1  | 49.4  | 74.2# |

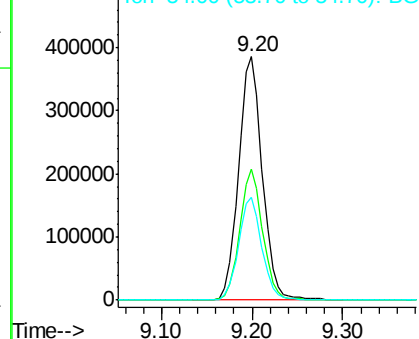
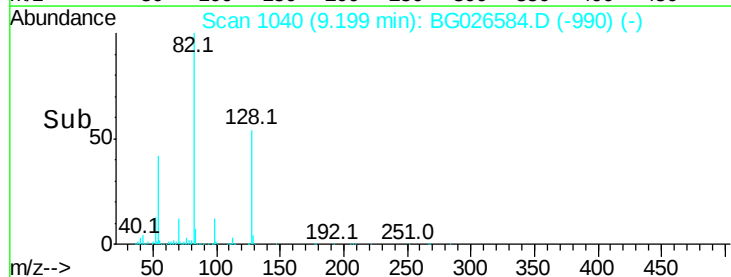


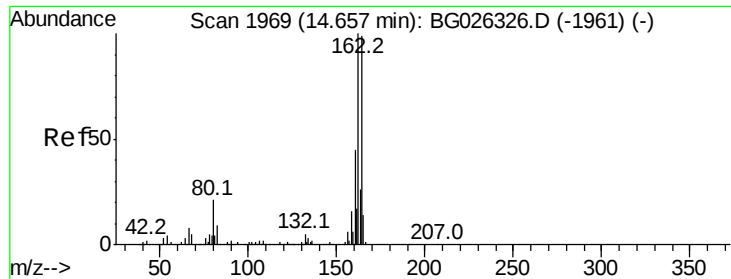
Abundance

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: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

Instrument :

BNA\_G

ClientSampleId :

RT-2891

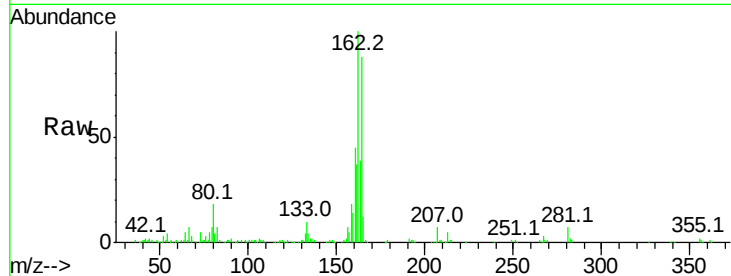
Tot Ion:164 Resp: 114603

Ion Ratio Lower Upper

164 100

162 113.1 85.1 127.7

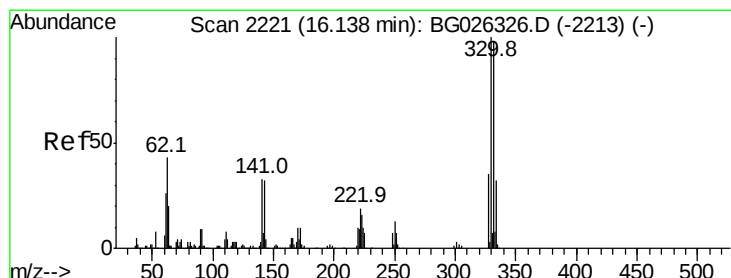
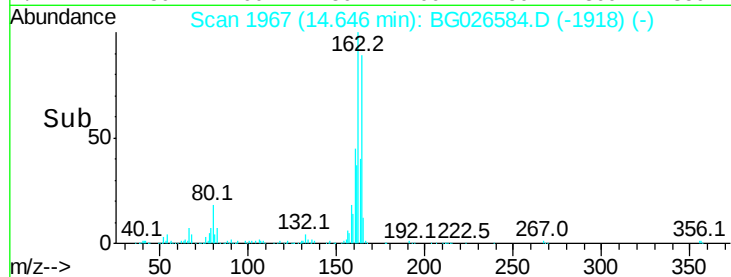
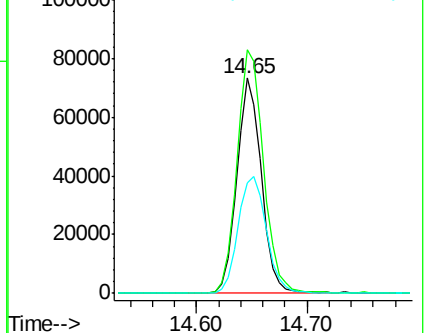
160 51.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 362.25 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

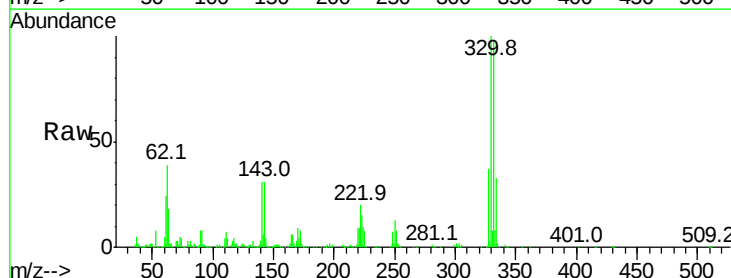
Tgt Ion:330 Resp: 475411

Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

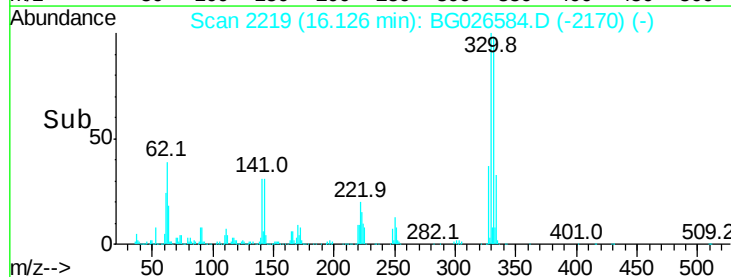
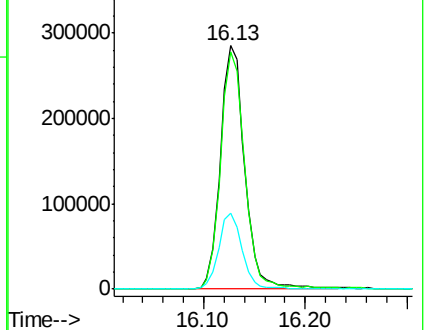
141 30.4 32.1 48.1#

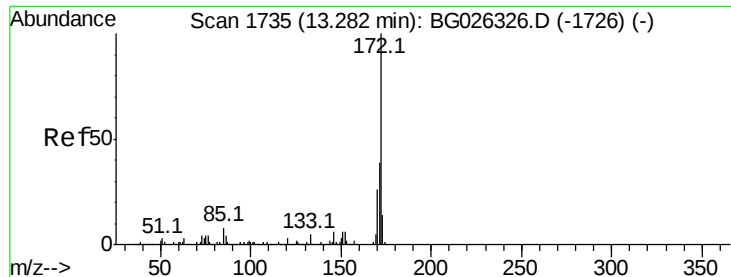


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

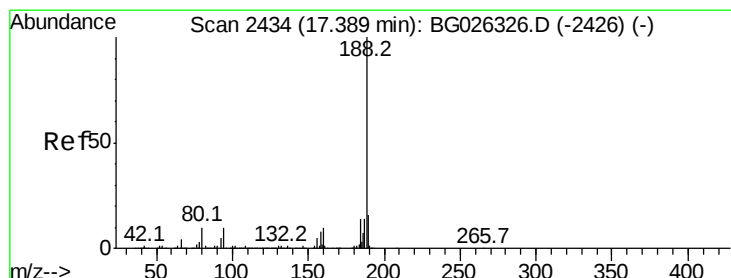
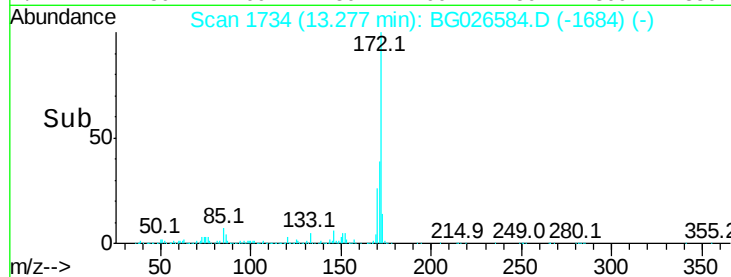
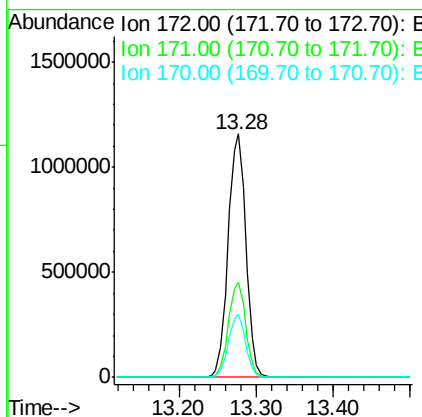
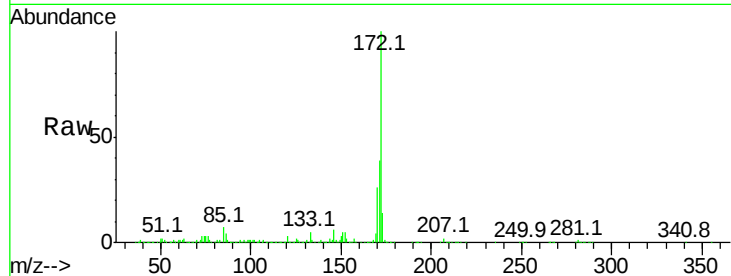




#44  
2-Fluorobiphenyl  
Concen: 229.03 ng  
RT: 13.28 min Scan# 1734  
Delta R.T. -0.01 min  
Lab File: BG026584.D  
Acq: 7 Apr 2017 2:59

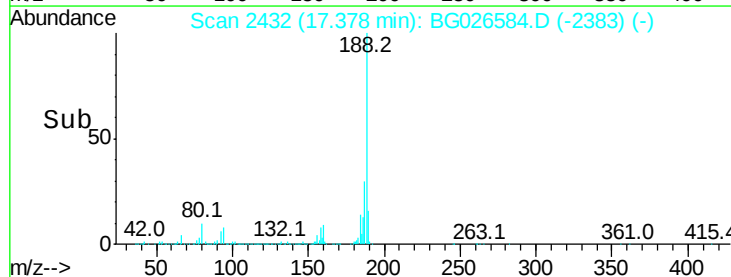
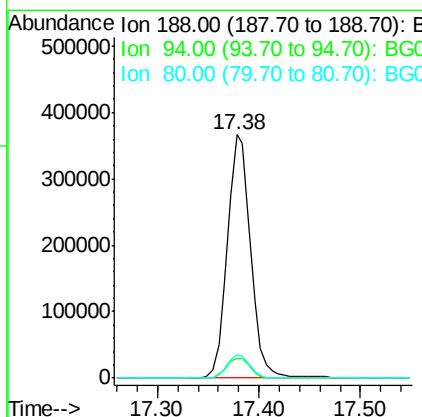
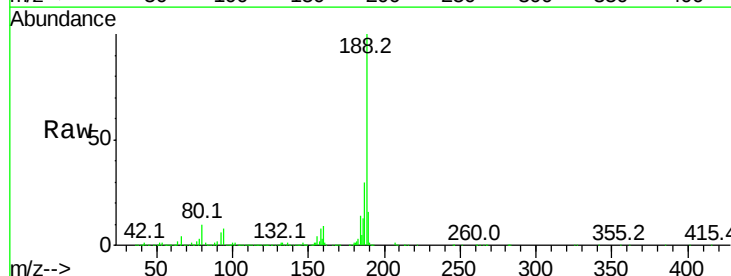
Instrument :  
BNA\_G  
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RT-2891

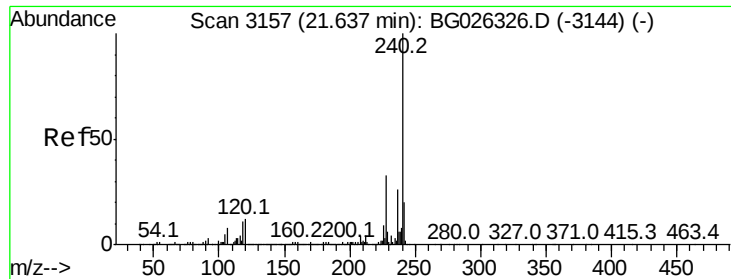
Tot Ion:172 Resp: 1871669  
Ion Ratio Lower Upper  
172 100  
171 39.2 32.2 48.2  
170 25.9 21.8 32.6



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.01 min  
Lab File: BG026584.D  
Acq: 7 Apr 2017 2:59

Tgt Ion:188 Resp: 583291  
Ion Ratio Lower Upper  
188 100  
94 8.3 5.8 8.8  
80 9.7 7.5 11.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

Instrument :

BNA\_G

ClientSampleId :

RT-2891

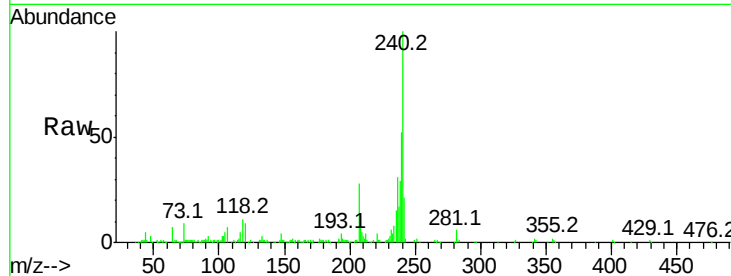
Tot Ion:240 Resp: 108660

Ion Ratio Lower Upper

240 100

120 9.2 5.7 8.5#

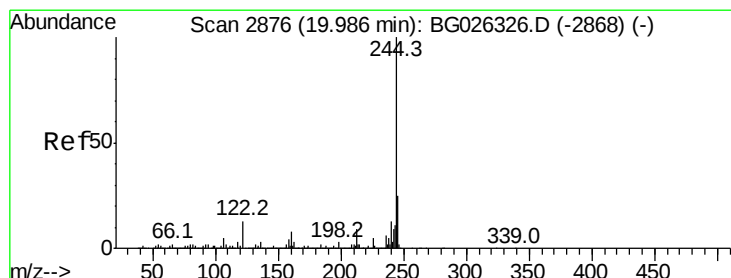
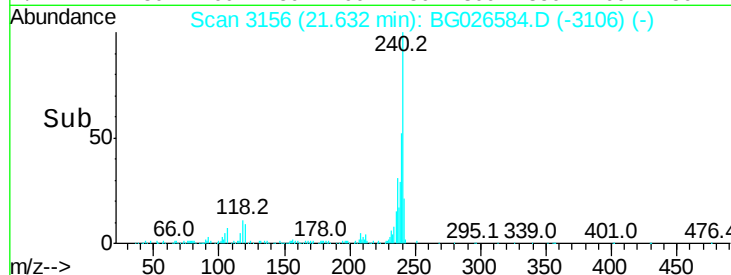
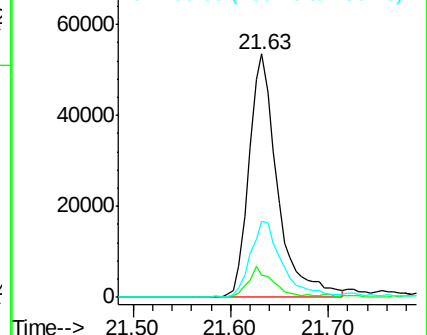
236 31.0 22.2 33.4



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: 374.16 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

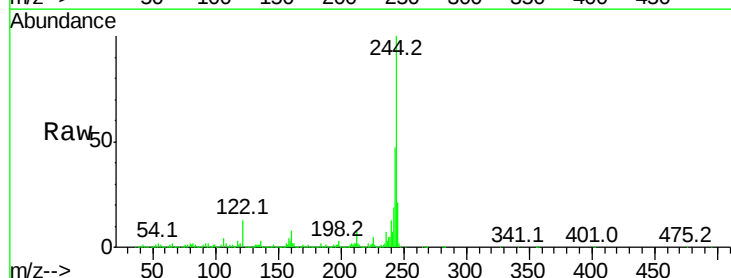
Tgt Ion:244 Resp: 1674074

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

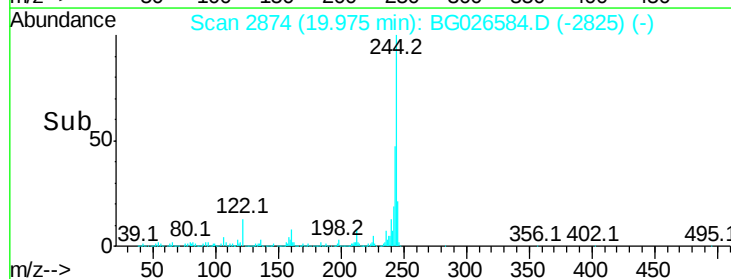
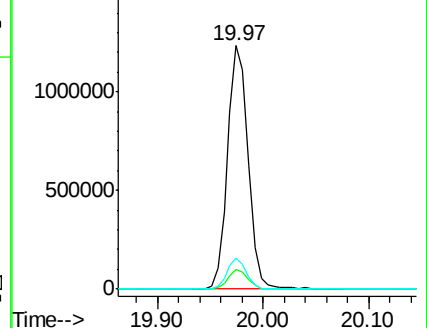
122 12.7 8.6 12.8

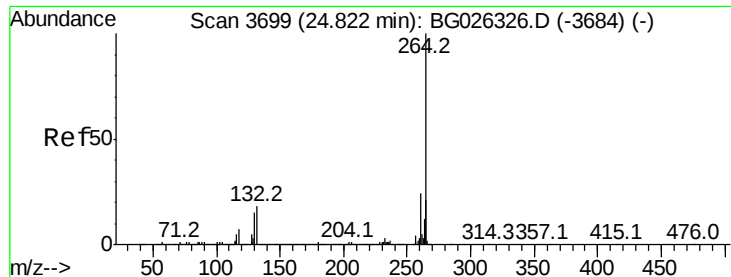


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.83 min Scan# 3700

Delta R.T. 0.01 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

Instrument :

BNA\_G

ClientSampleId :

RT-2891

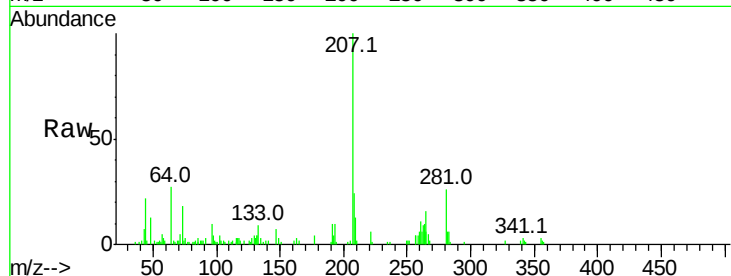
Tot Ion:264 Resp: 5368

Ion Ratio Lower Upper

264 100

260 71.5 21.8 32.8#

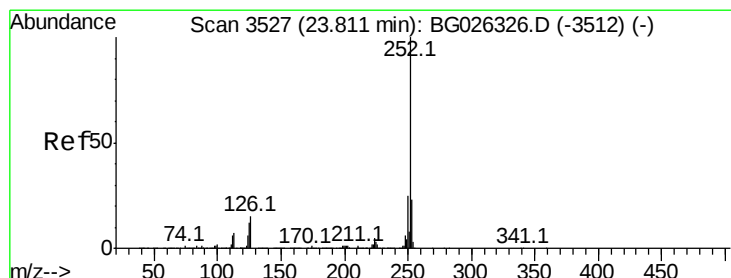
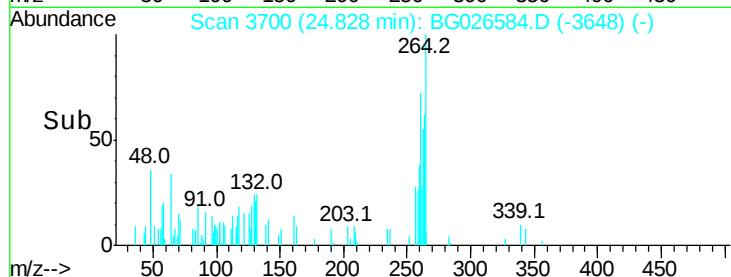
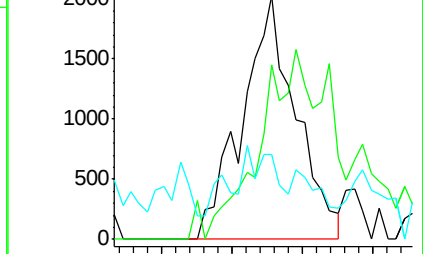
265 34.7 18.2 27.4#



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



#87

Benzo(b)fluoranthene

Concen: 2.18 ng

RT: 23.83 min Scan# 3530

Delta R.T. 0.02 min

Lab File: BG026584.D

Acq: 7 Apr 2017 2:59

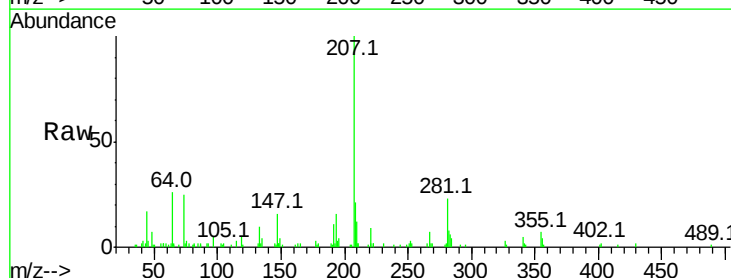
Tgt Ion:252 Resp: 691

Ion Ratio Lower Upper

252 100

253 66.7 18.7 28.1#

125 0.0 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

