

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG052815\  
 Data File : BG017351.D  
 Acq On : 29 May 2015 8:47  
 Operator : TP/IZ  
 Sample : G2408-08  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-22S

Quant Time: May 29 17:02:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 28 04:22:03 2015  
 Response via : Initial Calibration

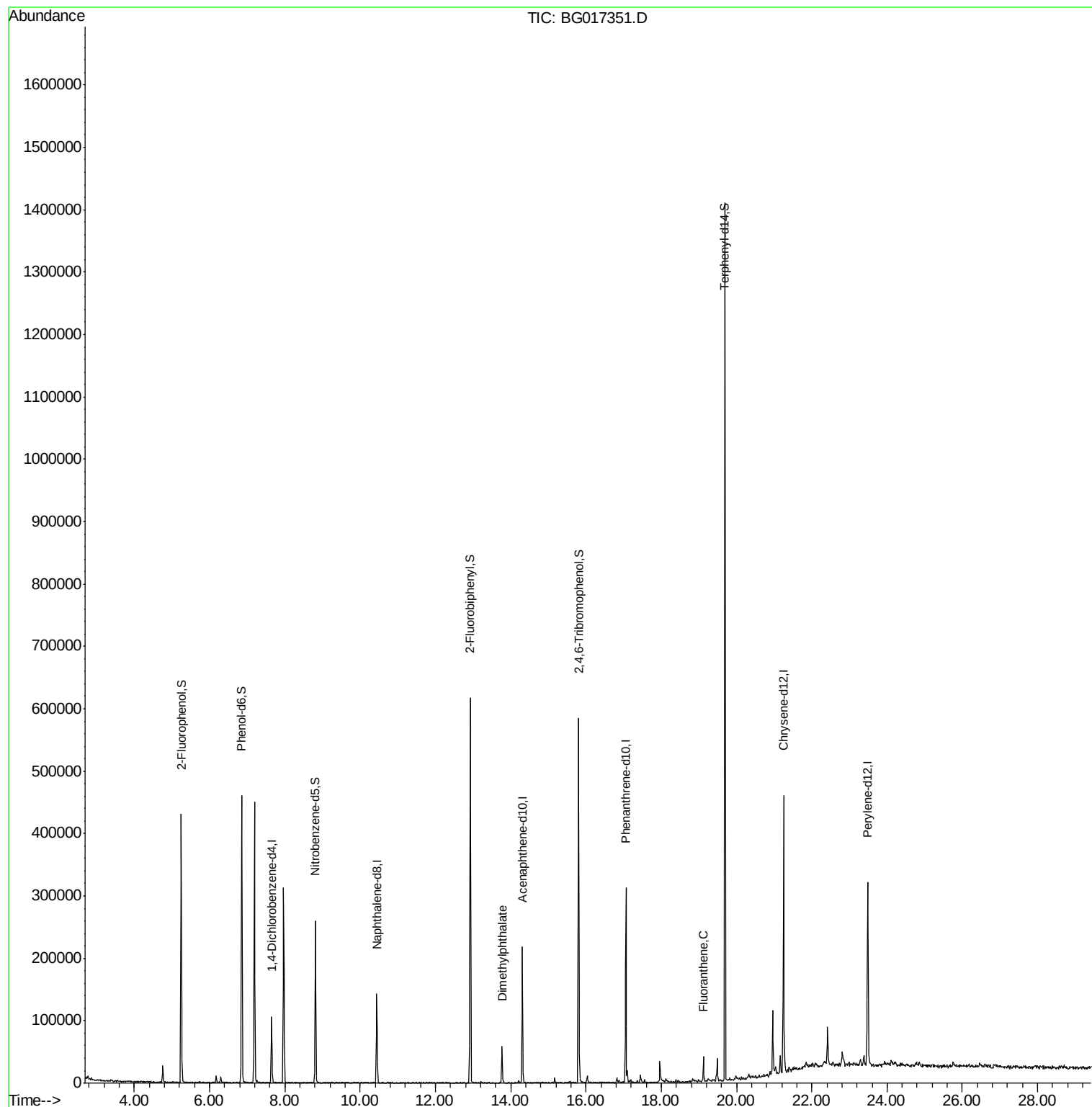
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 23600    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 10.45 | 136  | 101147   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 14.31 | 164  | 65420    | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 17.06 | 188  | 160152   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 21.25 | 240  | 189193   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 23.49 | 264  | 188049   | 20.00  | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 146167   | 109.89 | ng    | -0.05    |
| 7) Phenol-d6                | 6.86  | 99   | 195506   | 104.74 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 135693   | 62.63  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol    | 15.81 | 330  | 84102    | 106.35 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 12.93 | 172  | 283598   | 63.61  | ng    | -0.05    |
| 78) Terphenyl-d14           | 19.69 | 244  | 535084   | 58.94  | ng    | -0.05    |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 13.77 | 163  | 32768    | 6.41   | ng    | 96       |
| 74) Fluoranthene            | 19.12 | 202  | 21536    | 2.17   | ng    | 97       |

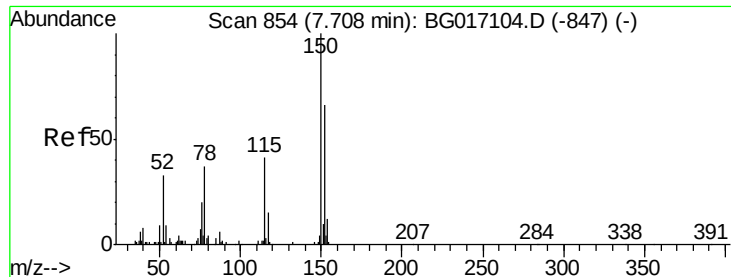
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 28 04:22:03 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 845

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

SB-22S

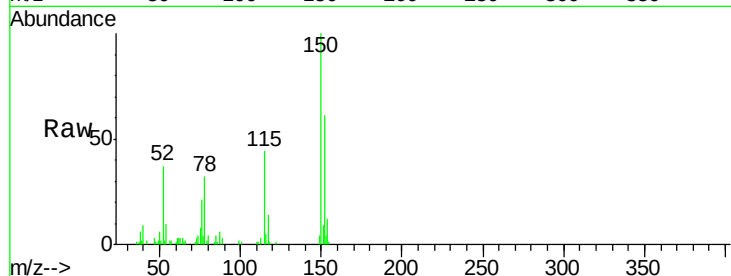
Tgt Ion:152 Resp: 23600

Ion Ratio Lower Upper

152 100

150 165.2 120.8 181.2

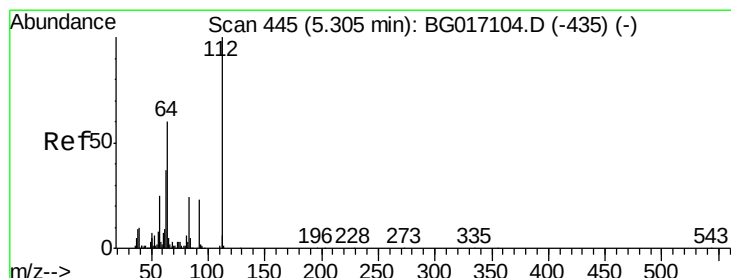
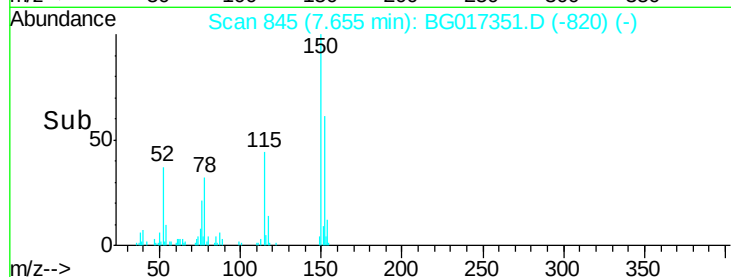
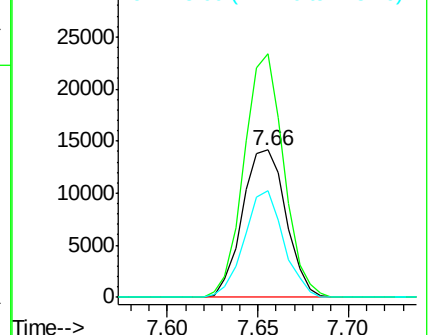
115 72.3 49.4 74.2



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: 109.89 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

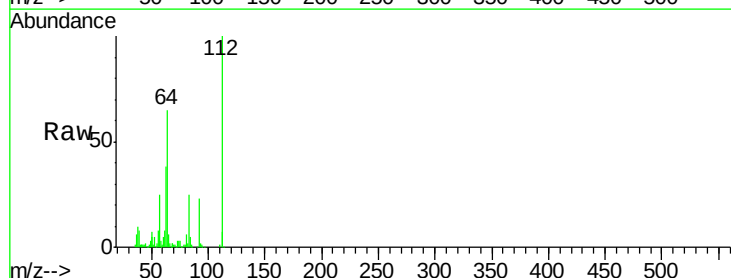
Tgt Ion:112 Resp: 146167

Ion Ratio Lower Upper

112 100

64 65.1 48.1 72.1

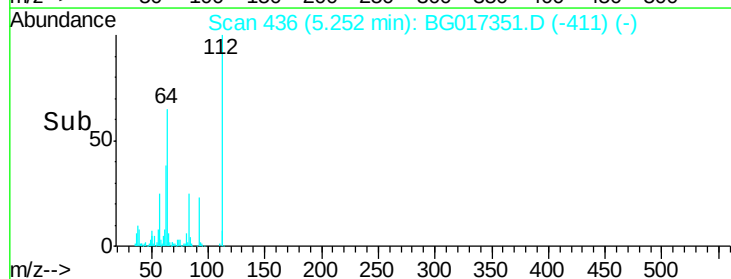
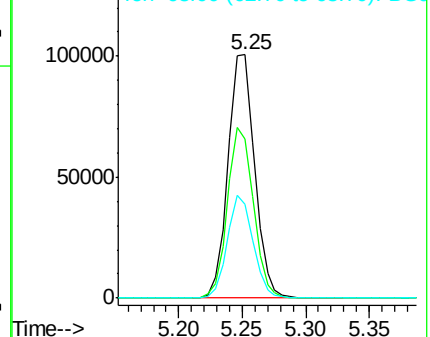
63 38.3 29.8 44.8

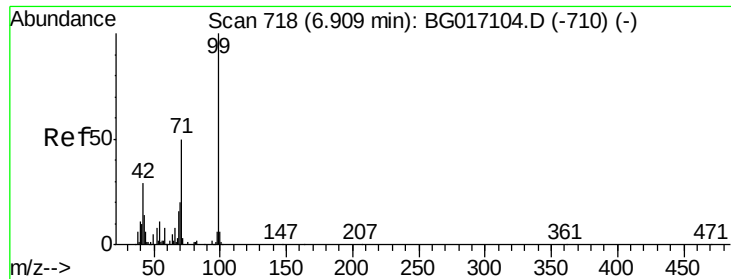


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.74 ng

RT: 6.86 min Scan# 709

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

SB-22S

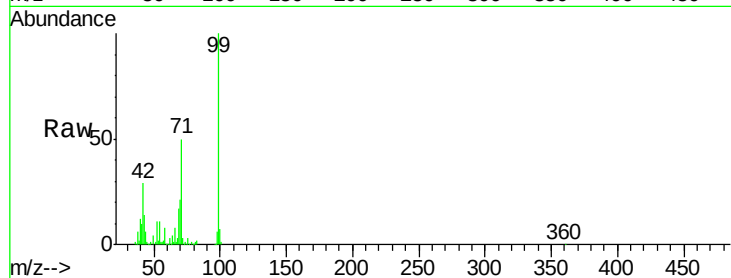
Tgt Ion: 99 Resp: 195506

Ion Ratio Lower Upper

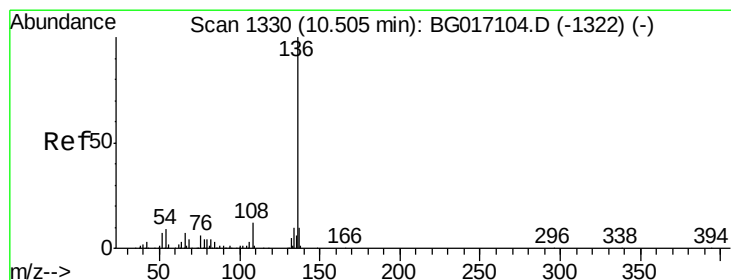
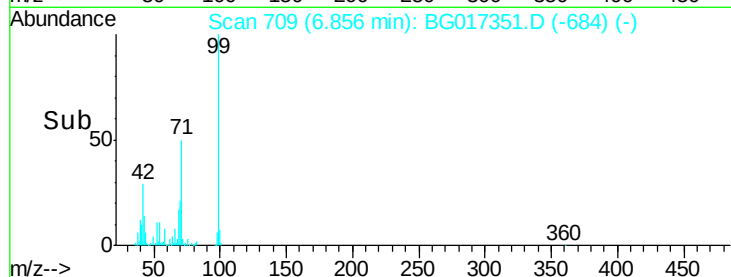
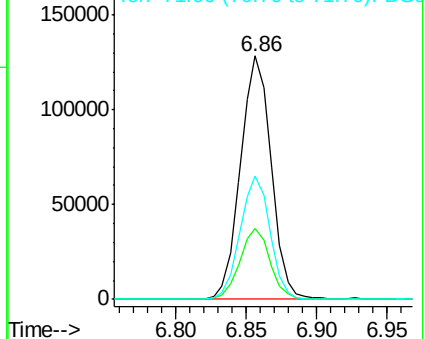
99 100

42 28.9 23.5 35.3

71 50.5 39.8 59.8



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: 10.45 min Scan# 1320

Delta R.T. -0.06 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Tgt Ion: 136 Resp: 101147

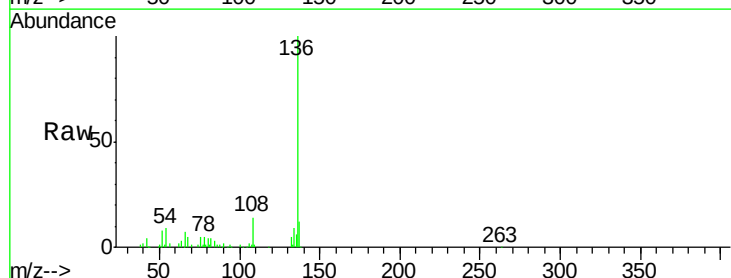
Ion Ratio Lower Upper

136 100

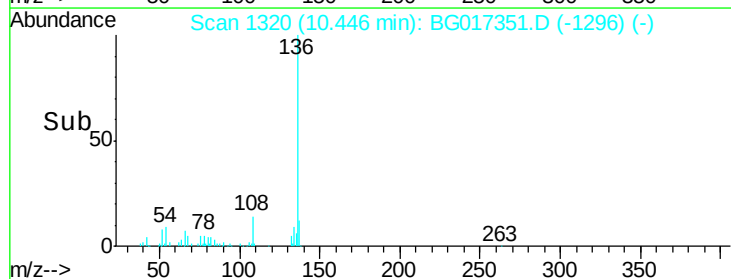
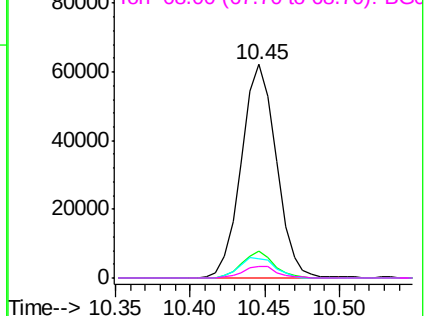
137 12.5 8.3 12.5#

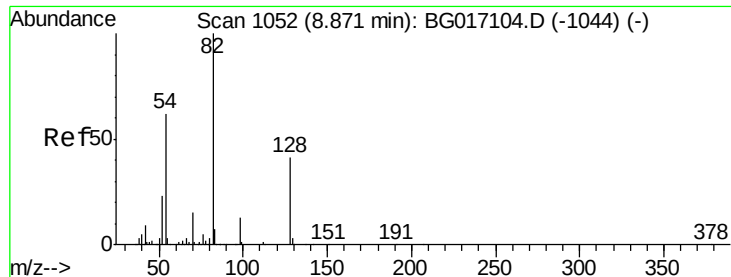
54 9.1 7.4 11.2

68 5.2 3.6 5.4



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

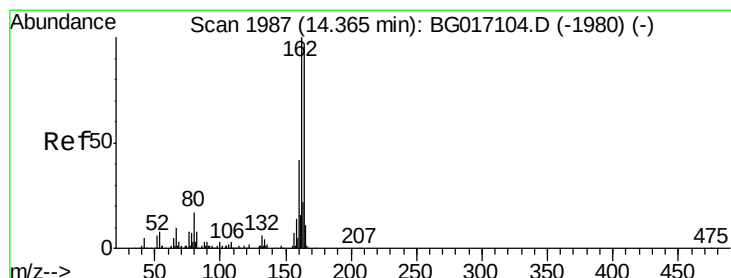
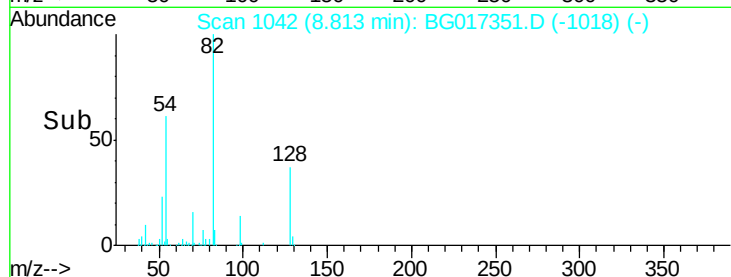
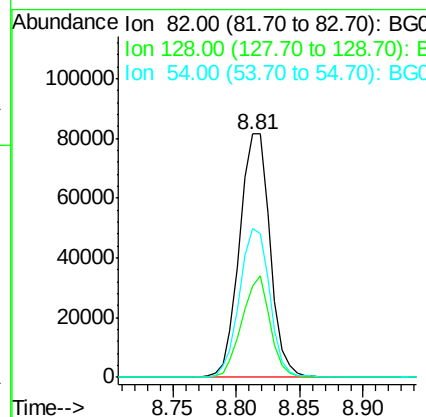
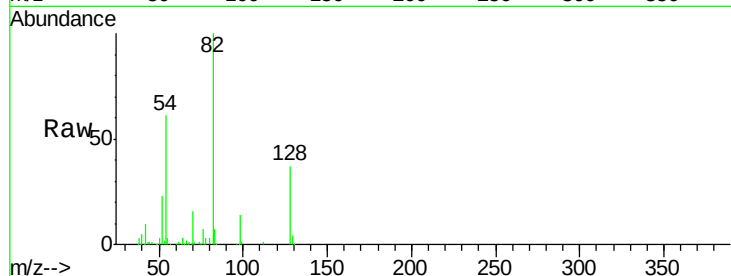




#23  
 Nitrobenzene-d5  
 Concen: 62.63 ng  
 RT: 8.81 min Scan# 1042  
 Delta R.T. -0.06 min  
 Lab File: BG017351.D  
 Acq: 29 May 2015 8:47

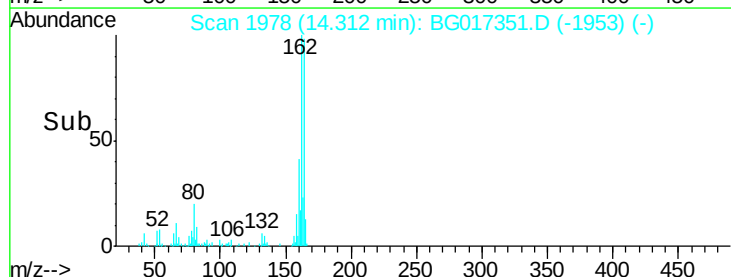
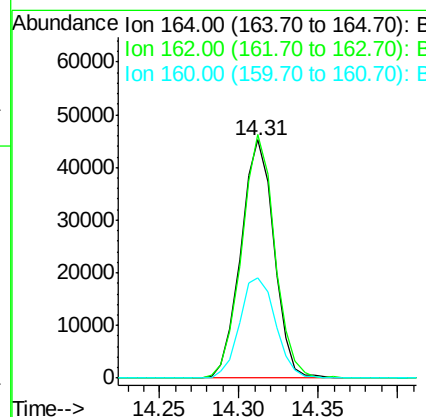
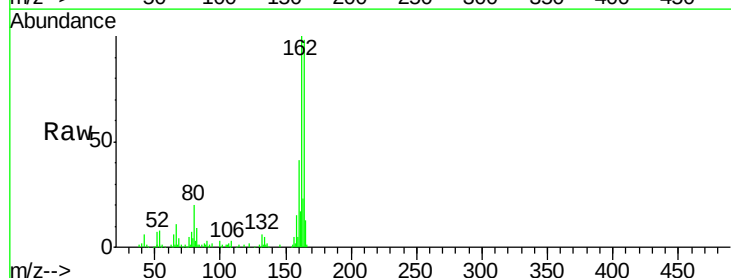
Instrument :  
 BNA\_G  
 ClientSampleId :  
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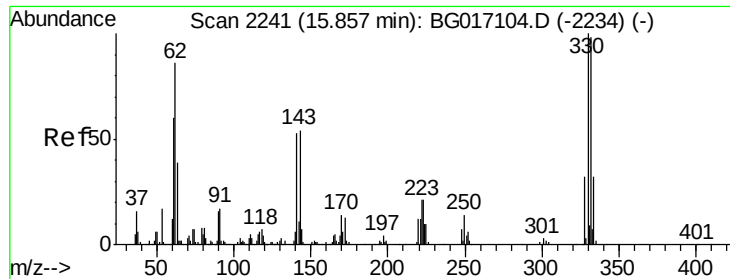
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.4  | 32.6  | 49.0  |
| 54      | 61.3  | 49.6  | 74.4  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.31 min Scan# 1978  
 Delta R.T. -0.05 min  
 Lab File: BG017351.D  
 Acq: 29 May 2015 8:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.3 | 82.1  | 123.1 |
| 160     | 42.2  | 34.8  | 52.2  |

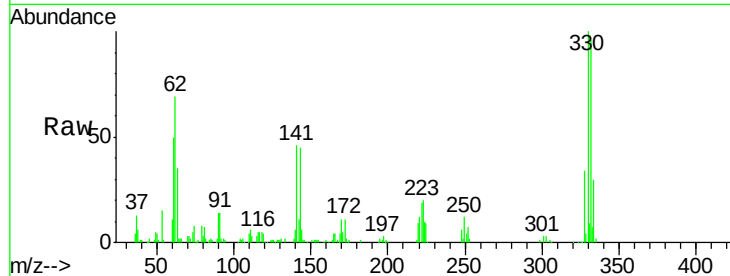




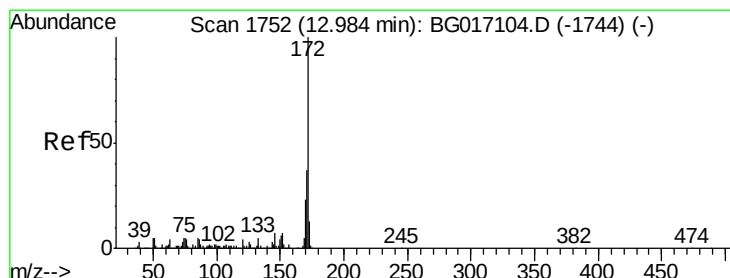
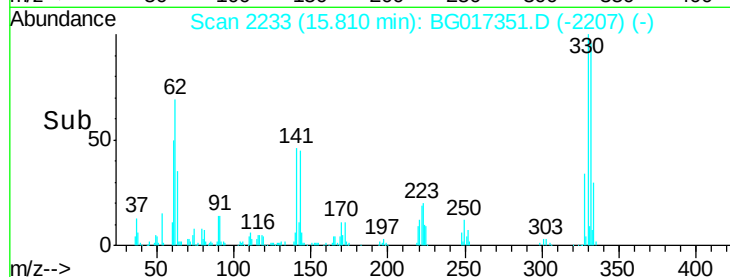
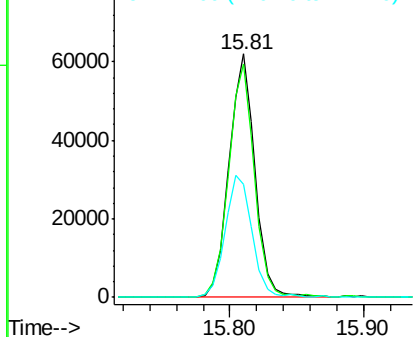
#41  
 2,4,6-Tribromophenol  
 Concen: 106.35 ng  
 RT: 15.81 min Scan# 2233  
 Delta R.T. -0.05 min  
 Lab File: BG017351.D  
 Acq: 29 May 2015 8:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-22S

Tgt Ion:330 Resp: 84102  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.9 115.3  
 141 52.2 42.2 63.2

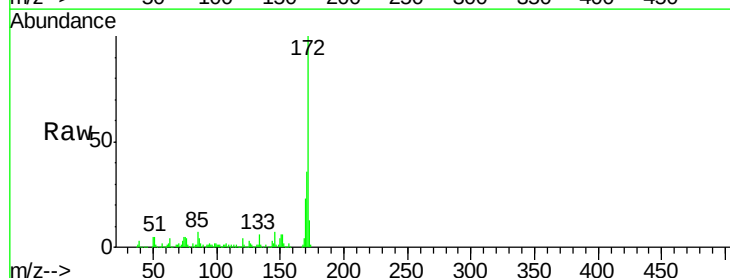


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

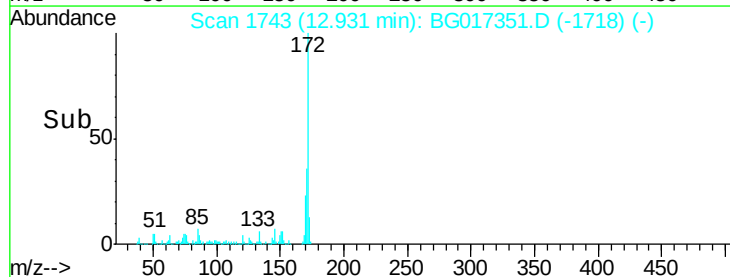
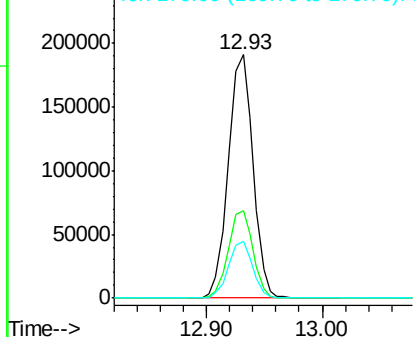


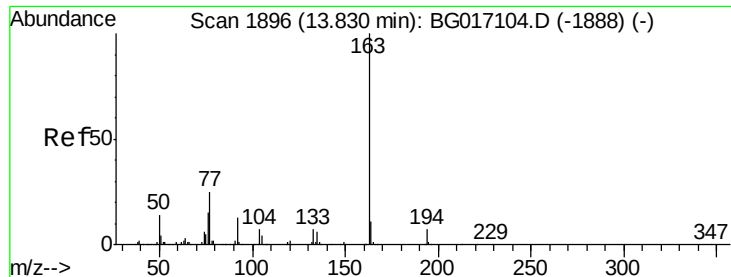
#44  
 2-Fluorobiphenyl  
 Concen: 63.61 ng  
 RT: 12.93 min Scan# 1743  
 Delta R.T. -0.05 min  
 Lab File: BG017351.D  
 Acq: 29 May 2015 8:47

Tgt Ion:172 Resp: 283598  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.7 44.5  
 170 23.2 18.4 27.6



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





#49

Dimethylphthalate

Concen: 6.41 ng

RT: 13.77 min Scan# 1886

Delta R.T. -0.06 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

SB-22S

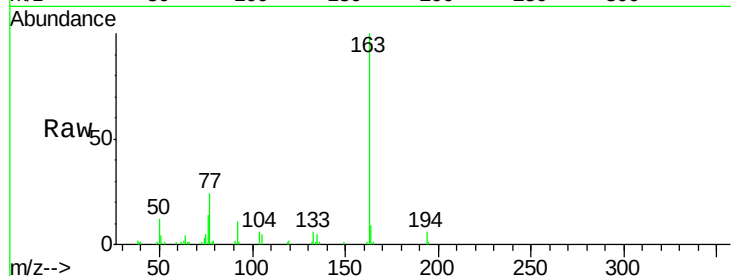
Tgt Ion:163 Resp: 32768

Ion Ratio Lower Upper

163 100

194 6.1 5.6 8.4

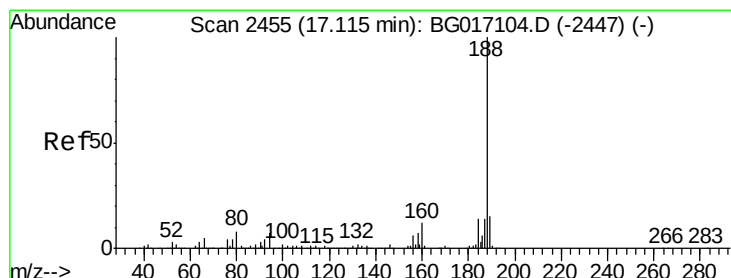
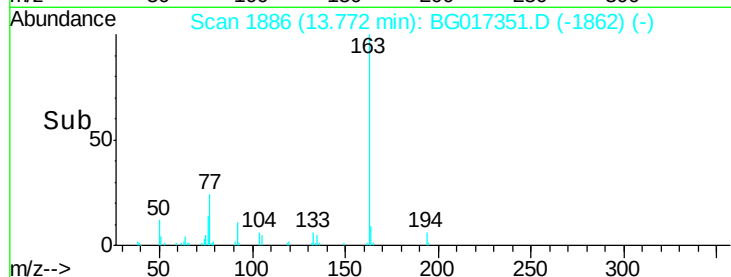
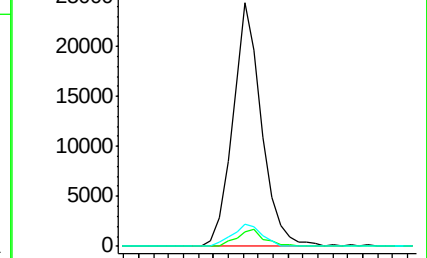
164 9.0 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.06 min Scan# 2446

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

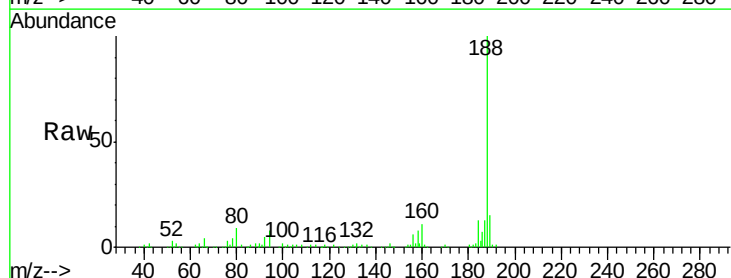
Tgt Ion:188 Resp: 160152

Ion Ratio Lower Upper

188 100

94 7.9 5.8 8.6

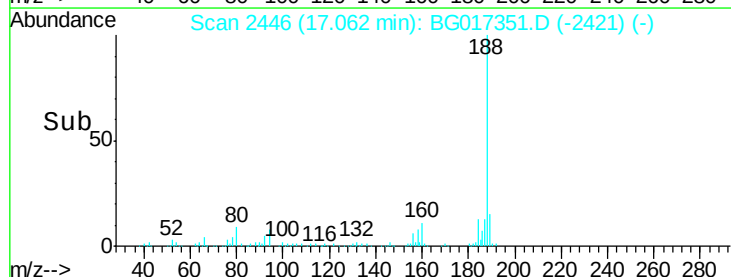
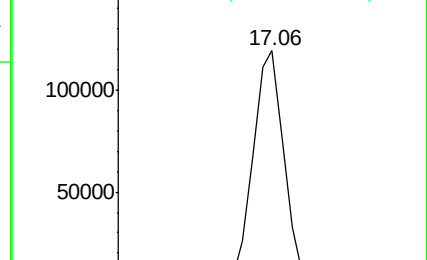
80 8.7 6.5 9.7

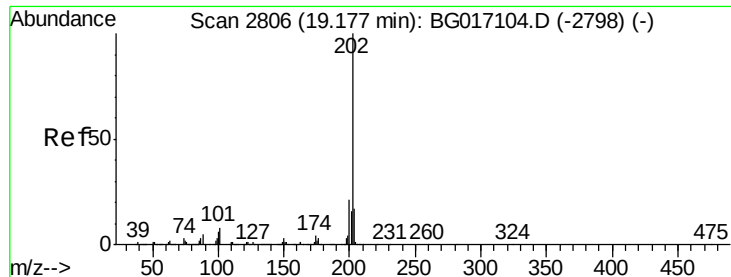


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#74

Fluoranthene

Concen: 2.17 ng

RT: 19.12 min Scan# 2797

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

SB-22S

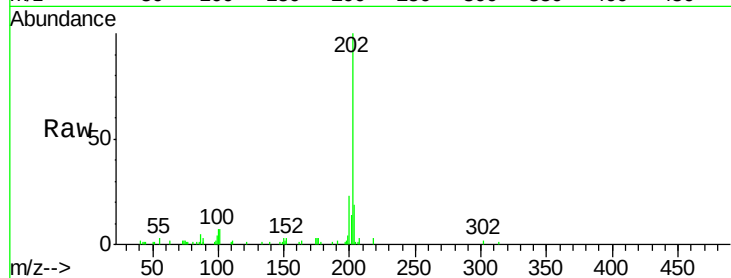
Tgt Ion:202 Resp: 21536

Ion Ratio Lower Upper

202 100

101 7.1 0.0 28.3

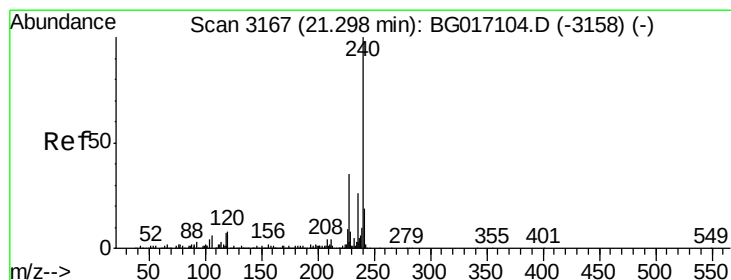
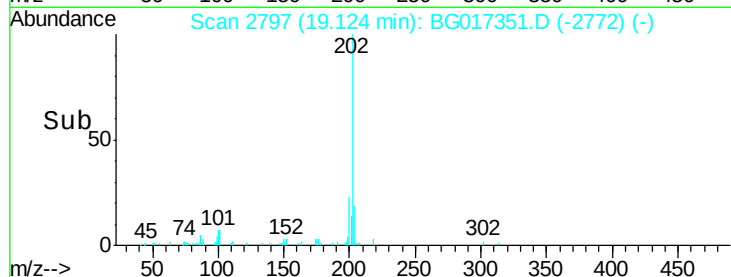
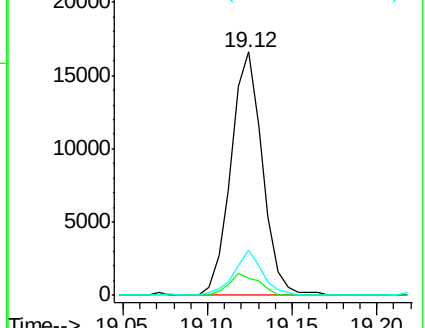
203 18.6 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.25 min Scan# 3159

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

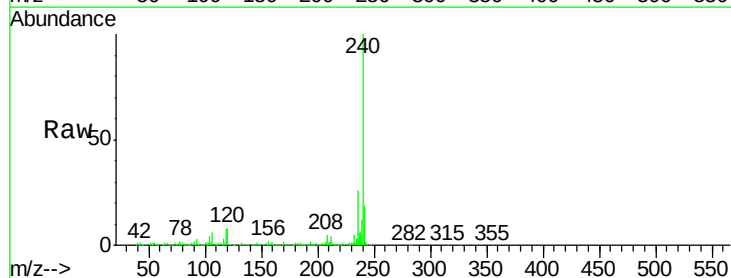
Tgt Ion:240 Resp: 189193

Ion Ratio Lower Upper

240 100

120 8.2 6.0 9.0

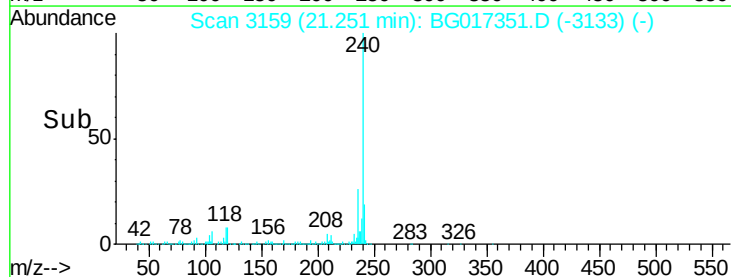
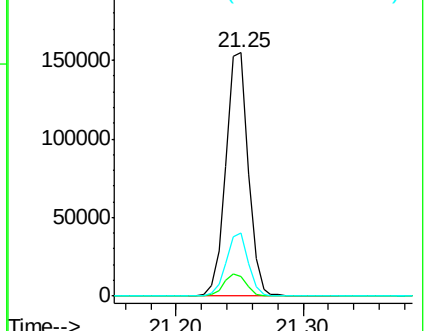
236 26.2 20.5 30.7



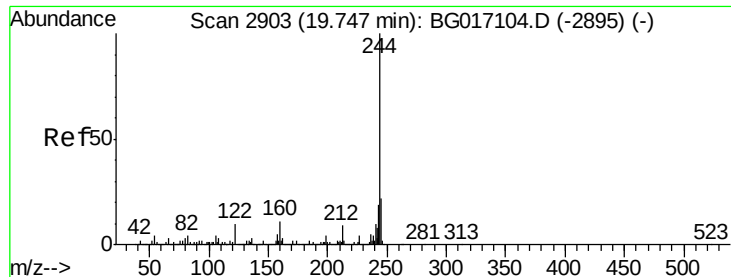
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 58.94 ng

RT: 19.69 min Scan# 2894

Delta R.T. -0.05 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

Instrument :

BNA\_G

ClientSampleId :

SB-22S

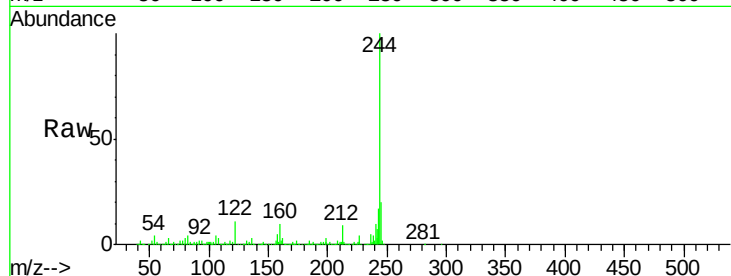
Tgt Ion:244 Resp: 535084

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

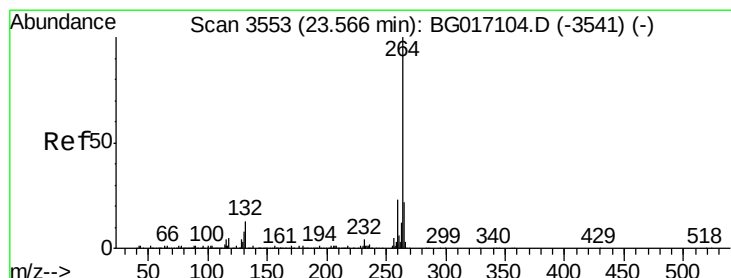
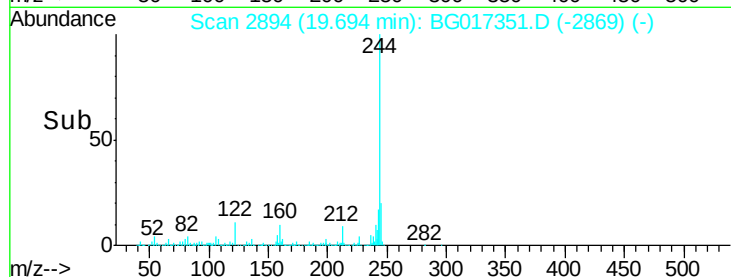
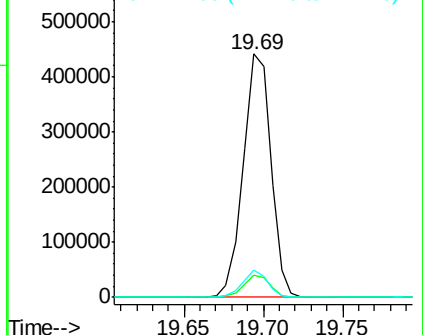
122 11.0 8.4 12.6



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: 23.49 min Scan# 3540

Delta R.T. -0.08 min

Lab File: BG017351.D

Acq: 29 May 2015 8:47

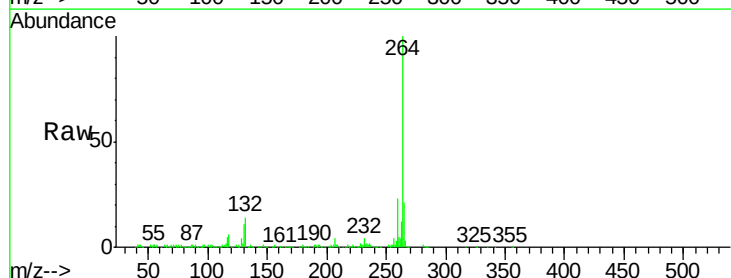
Tgt Ion:264 Resp: 188049

Ion Ratio Lower Upper

264 100

260 23.4 18.0 27.0

265 20.9 17.4 26.0



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

