

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG073016\  
 Data File : BG023341.D  
 Acq On : 29 Jul 2016 19:49  
 Operator : UM/SJ  
 Sample : H4176-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-25-10.5-15.0

Quant Time: Jul 30 01:15:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG072616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:30:33 2016  
 Response via : Initial Calibration

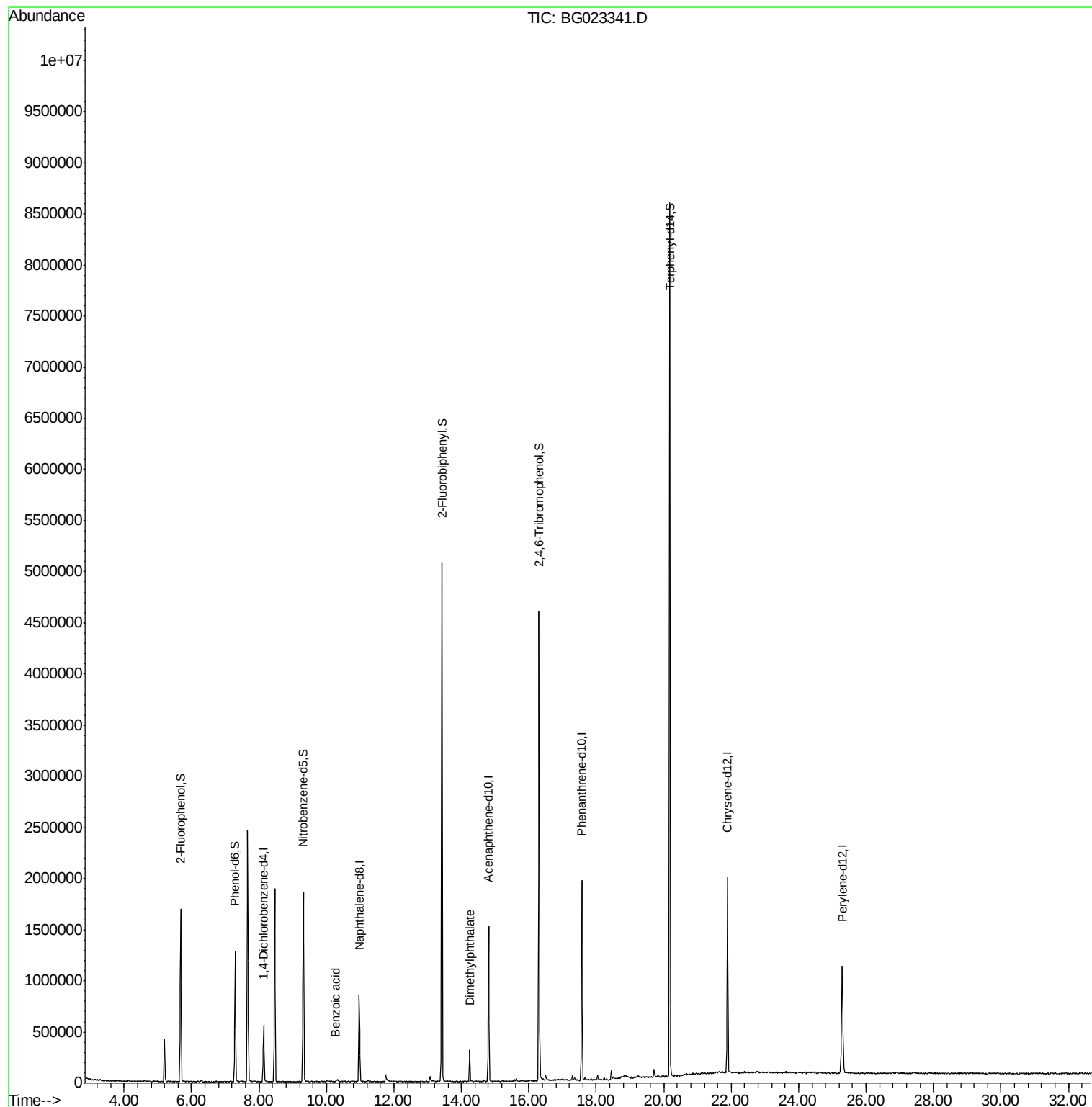
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 152030   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.97 | 136  | 711024   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 500375   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.57 | 188  | 1152307  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.89 | 240  | 1147752  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.29 | 264  | 1171689  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 736198   | 82.67  | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 809364   | 59.20  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 1213410  | 83.45  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 821125   | 158.55 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2496621  | 93.38  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.18 | 244  | 3084191  | 87.35  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.26 | 122  | 81       | 8.12   | ng    | # 33     |
| 49) Dimethylphthalate       | 14.25 | 163  | 197572   | 5.35   | ng    | # 97     |

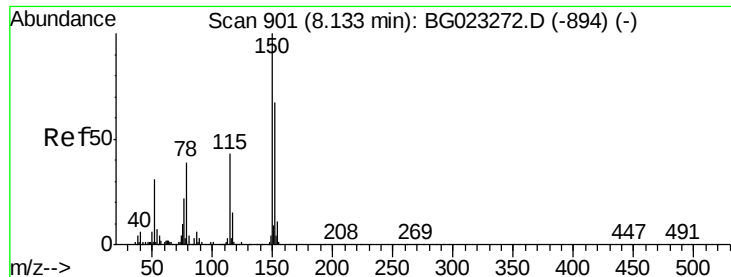
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 902

Delta R.T. -0.00 min

Lab File: BG023341.D

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Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

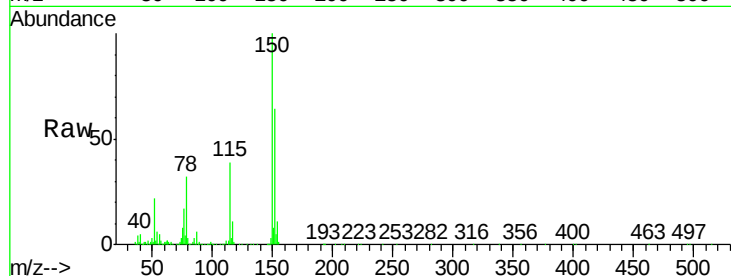
Tgt Ion:152 Resp: 152030

Ion Ratio Lower Upper

152 100

150 155.9 144.7 217.1

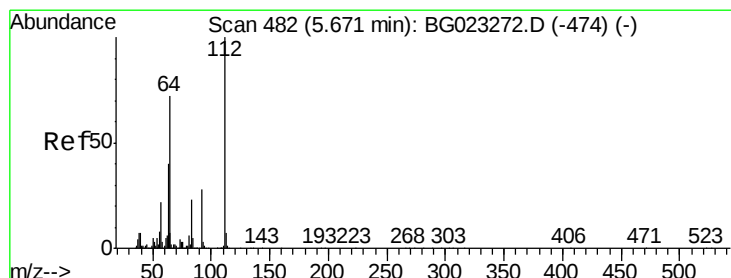
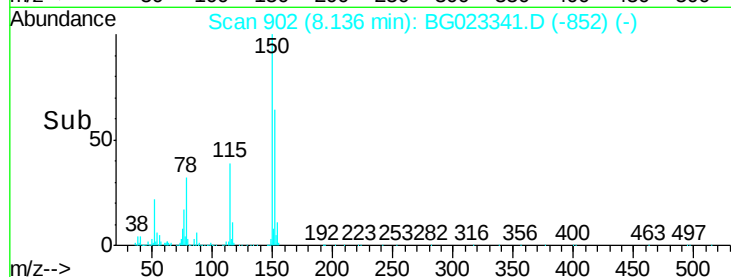
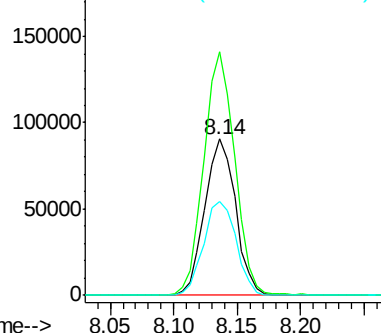
115 60.2 64.0 96.0#



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: 82.67 ng

RT: 5.67 min Scan# 483

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

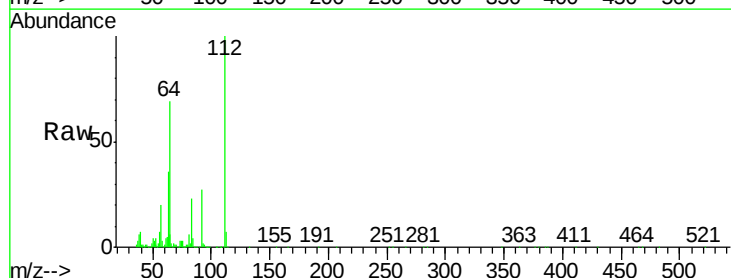
Tgt Ion:112 Resp: 736198

Ion Ratio Lower Upper

112 100

64 68.9 59.0 88.4

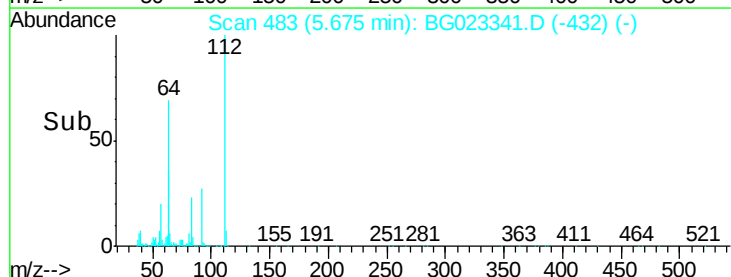
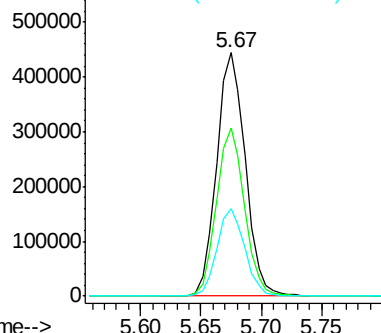
63 36.0 37.8 56.8#

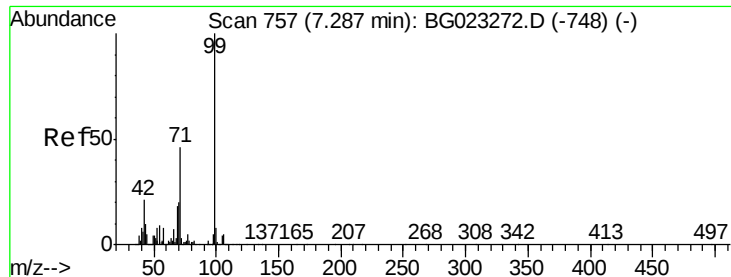


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 59.20 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

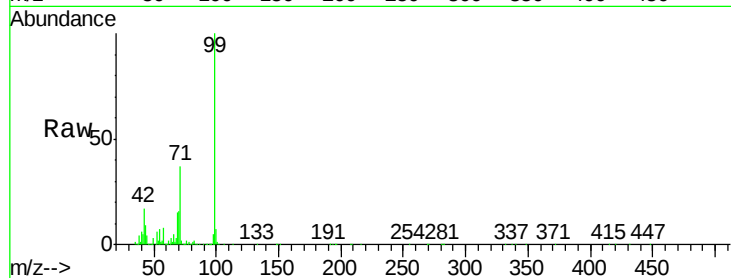
Tgt Ion: 99 Resp: 809364

Ion Ratio Lower Upper

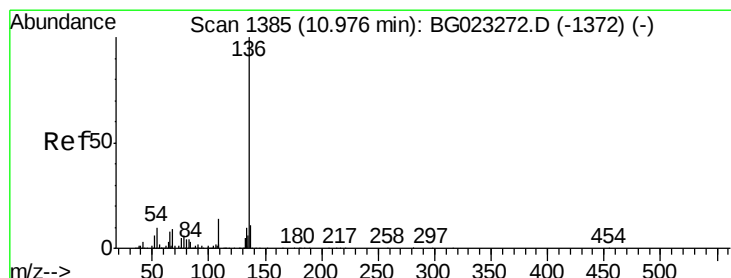
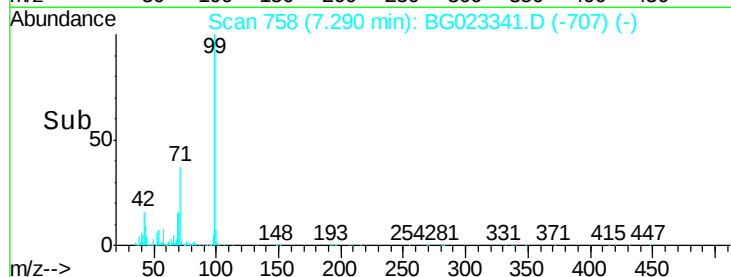
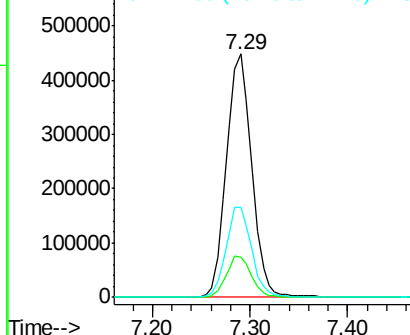
99 100

42 16.5 17.8 26.6#

71 37.2 41.5 62.3#



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: 10.97 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Tgt Ion: 136 Resp: 711024

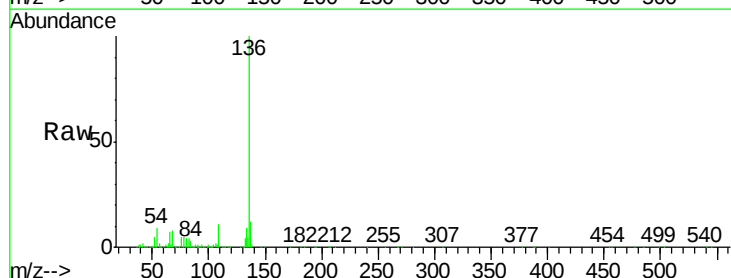
Ion Ratio Lower Upper

136 100

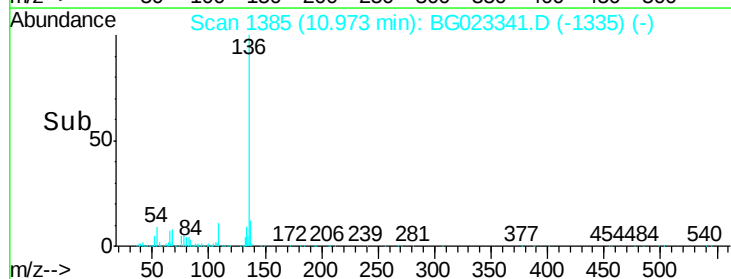
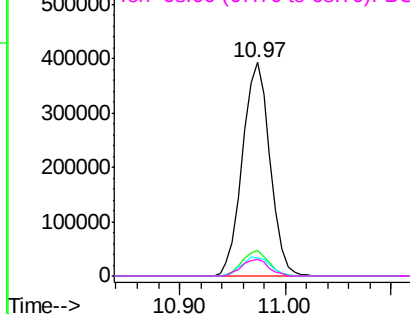
137 12.0 9.6 14.4

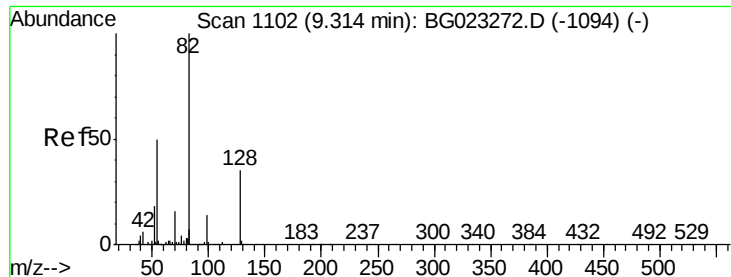
54 8.6 7.3 10.9

68 7.8 5.3 7.9



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: 83.45 ng

RT: 9.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

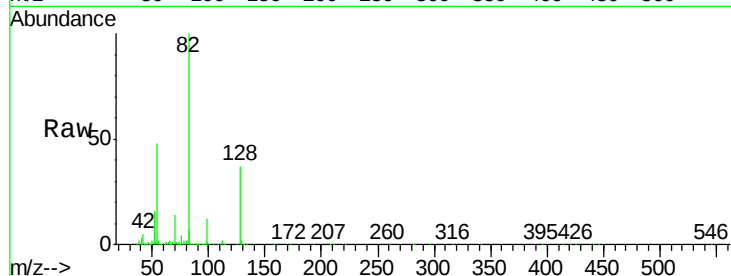
Tgt Ion: 82 Resp: 1213410

Ion Ratio Lower Upper

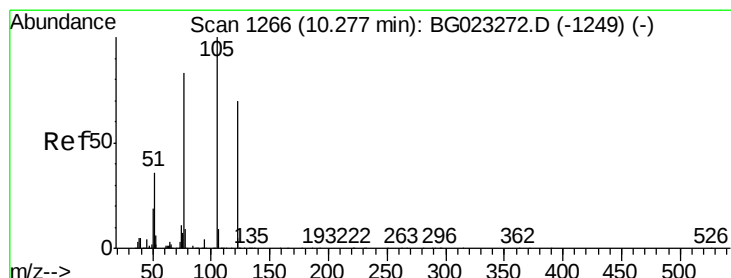
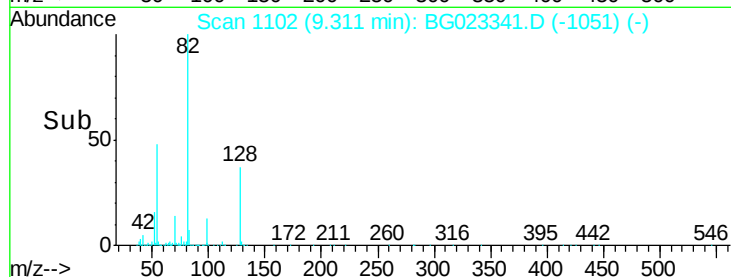
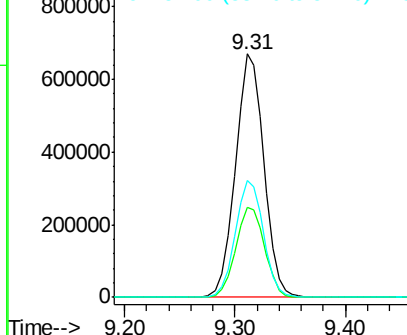
82 100

128 37.2 24.4 36.6#

54 48.0 41.4 62.0



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



#32

Benzoic acid

Concen: 8.12 ng

RT: 10.26 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

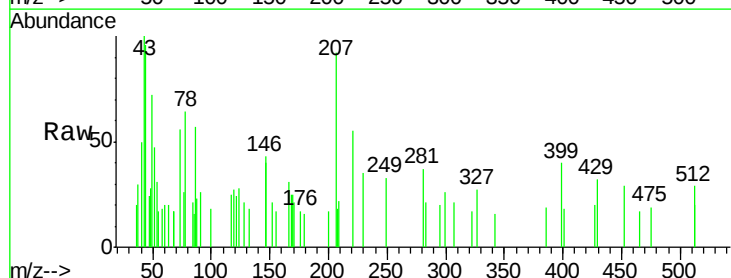
Tgt Ion: 122 Resp: 81

Ion Ratio Lower Upper

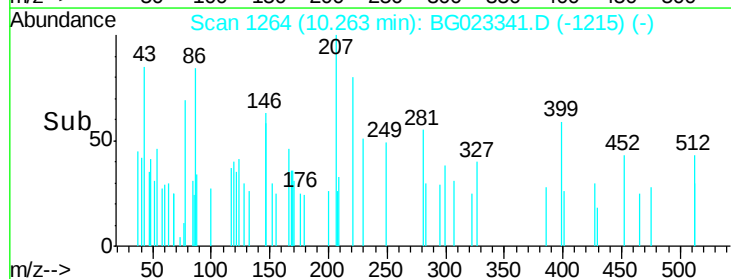
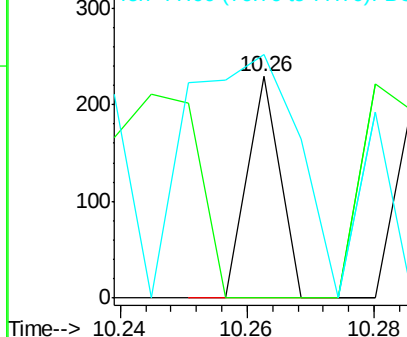
122 100

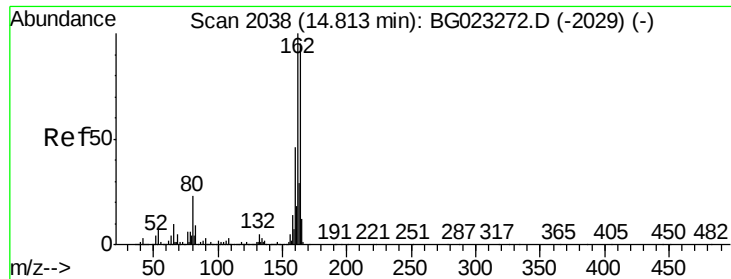
105 0.0 117.2 157.2#

77 110.0 109.2 149.2



Abundance Ion 122.00 (121.70 to 122.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

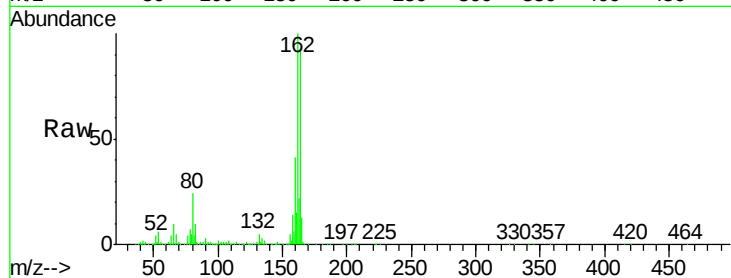
Tgt Ion:164 Resp: 500375

Ion Ratio Lower Upper

164 100

162 107.5 87.7 131.5

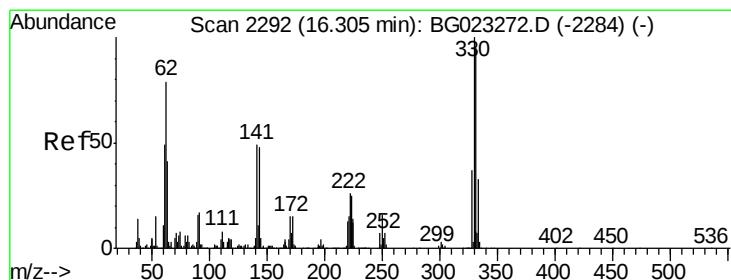
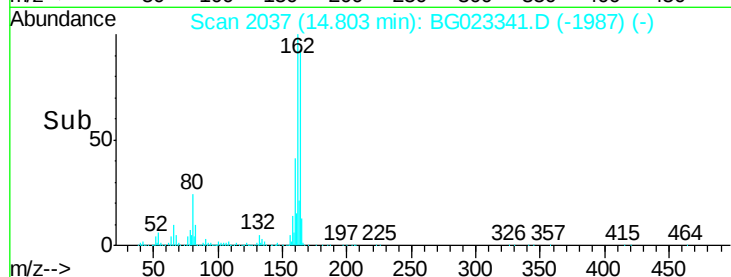
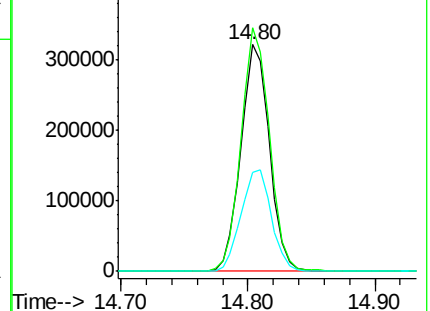
160 43.7 37.2 55.8



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: 158.55 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

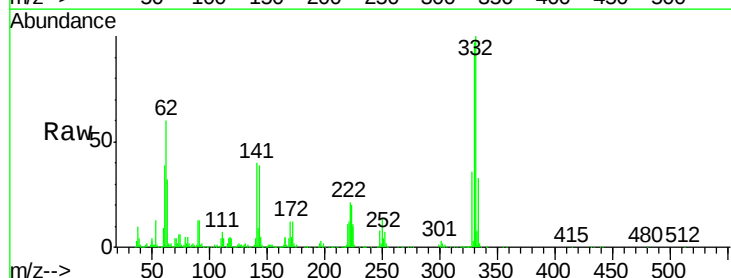
Tgt Ion:330 Resp: 821125

Ion Ratio Lower Upper

330 100

332 101.4 77.4 116.2

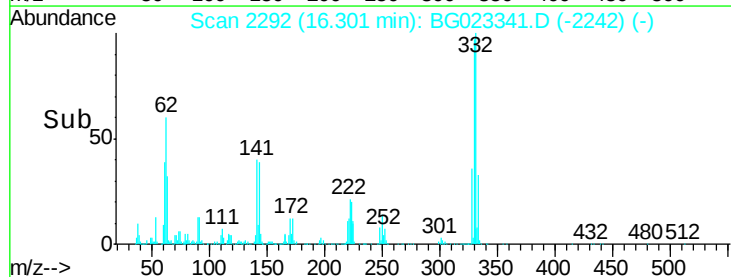
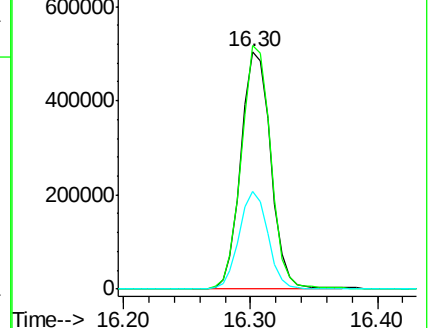
141 39.7 31.7 47.5

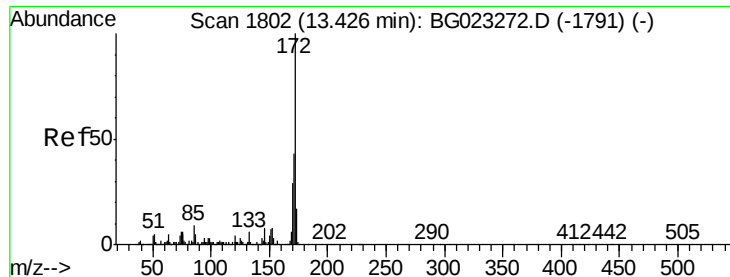


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

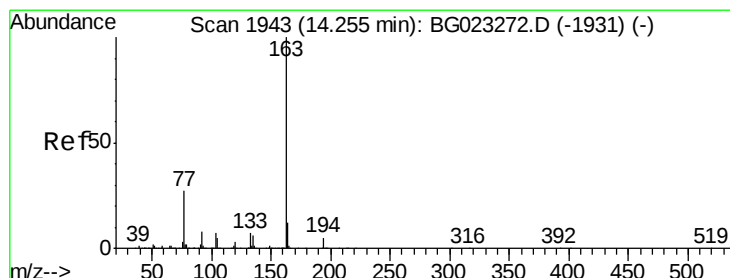
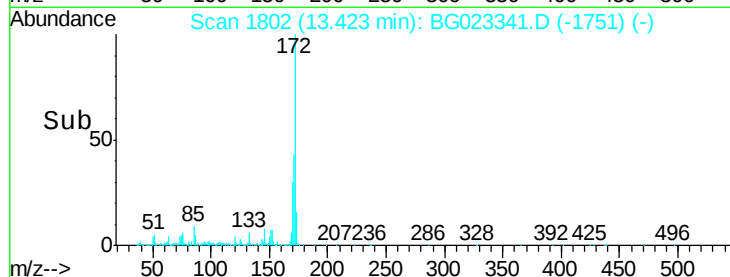
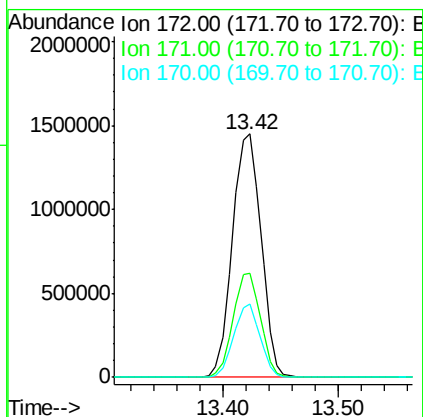
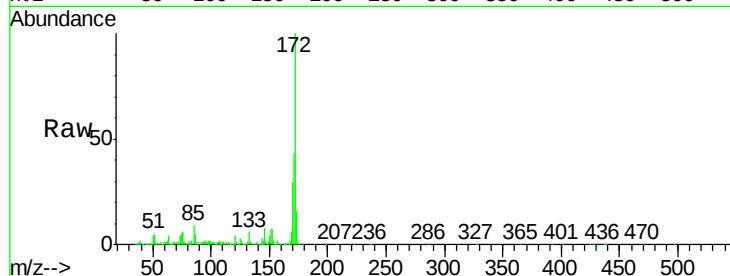




#44  
2-Fluorobiphenyl  
Concen: 93.38 ng  
RT: 13.42 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: BG023341.D  
Acq: 29 Jul 2016 19:49

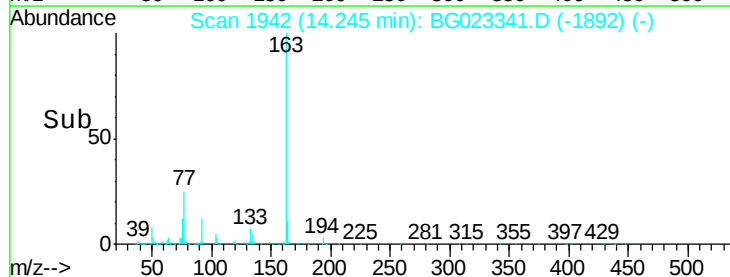
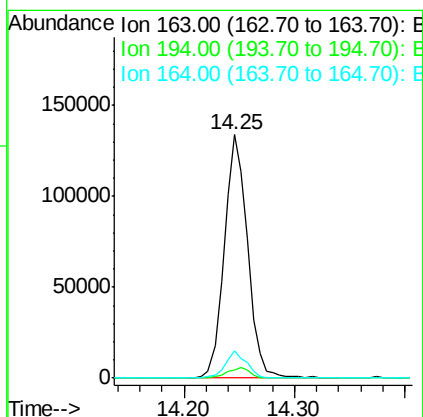
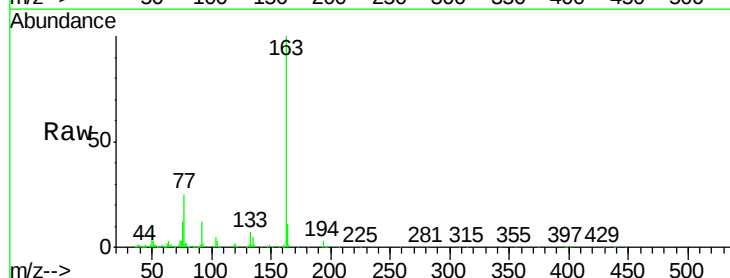
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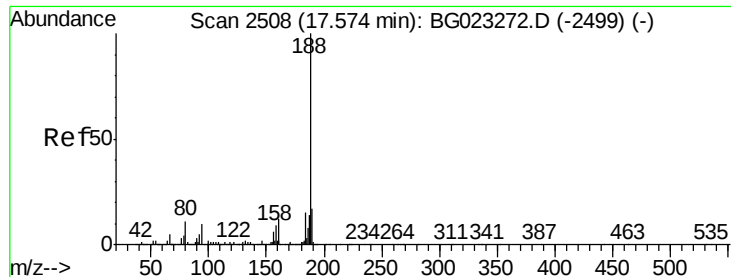
Tgt Ion:172 Resp: 2496621  
Ion Ratio Lower Upper  
172 100  
171 42.8 31.6 47.4  
170 30.1 21.3 31.9



#49  
Dimethylphthalate  
Concen: 5.35 ng  
RT: 14.25 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: BG023341.D  
Acq: 29 Jul 2016 19:49

Tgt Ion:163 Resp: 197572  
Ion Ratio Lower Upper  
163 100  
194 3.1 3.6 5.4#  
164 11.0 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

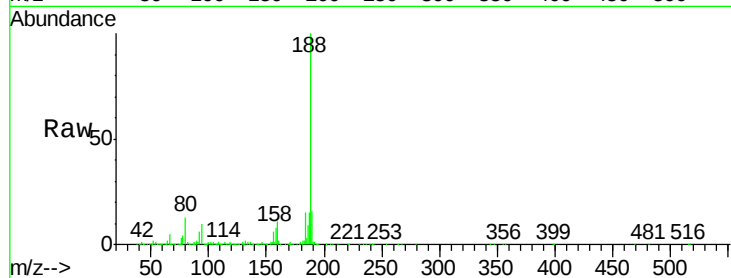
Tgt Ion:188 Resp: 1152307

Ion Ratio Lower Upper

188 100

94 9.5 5.2 7.8#

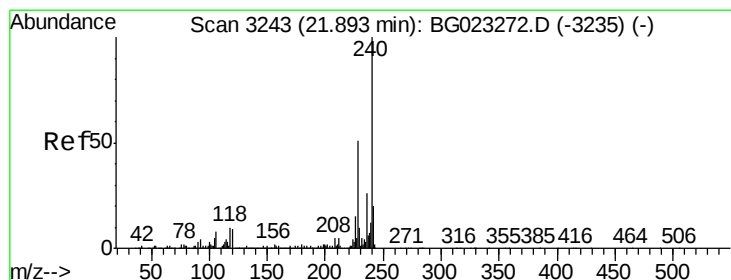
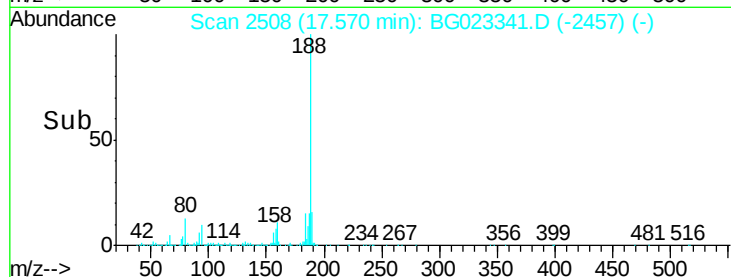
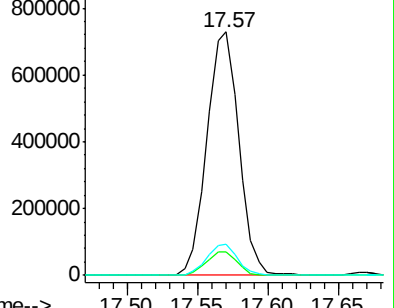
80 12.9 7.2 10.8#



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: 21.89 min Scan# 3243

Delta R.T. -0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

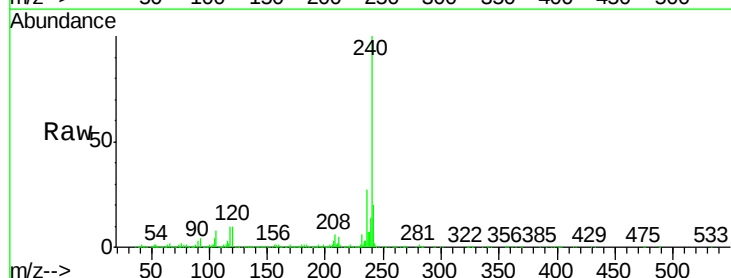
Tgt Ion:240 Resp: 1147752

Ion Ratio Lower Upper

240 100

120 10.0 4.1 6.1#

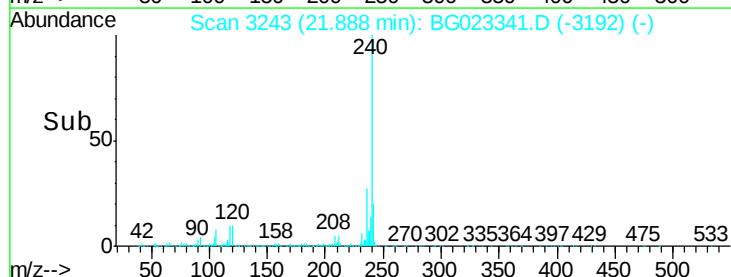
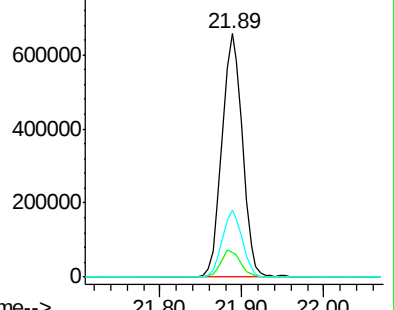
236 27.4 21.1 31.7

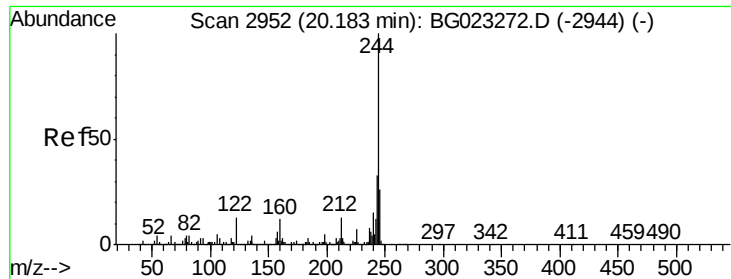


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.35 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

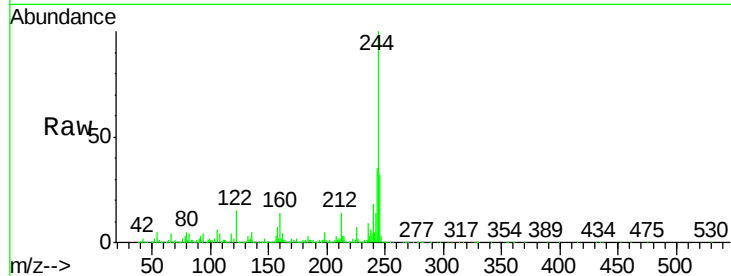
Tgt Ion:244 Resp: 3084191

Ion Ratio Lower Upper

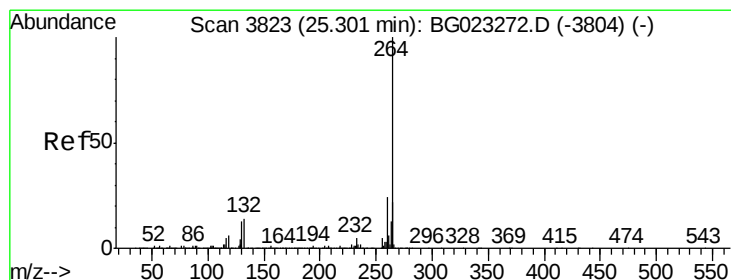
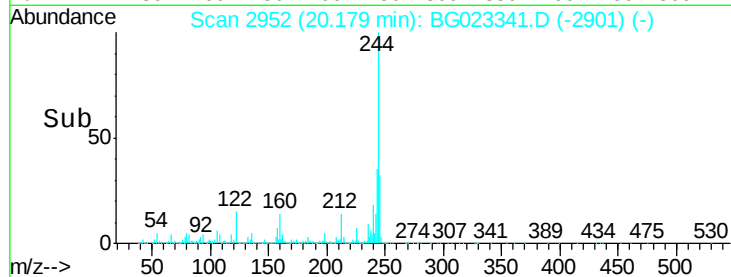
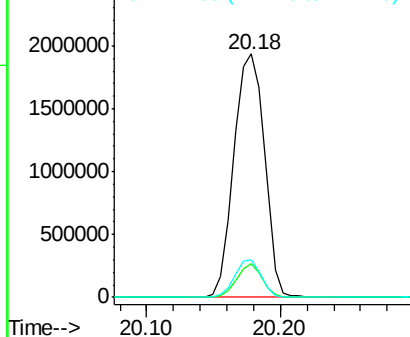
244 100

212 13.8 10.8 16.2

122 15.2 8.0 12.0#



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: 25.29 min Scan# 3822

Delta R.T. -0.01 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

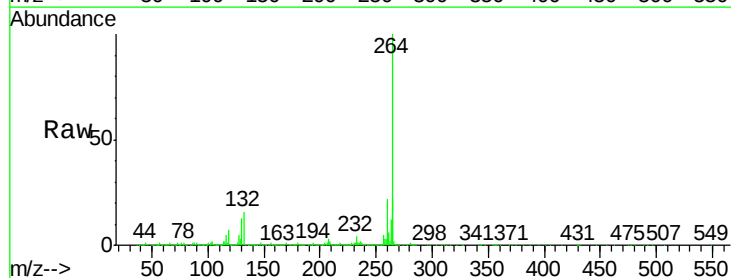
Tgt Ion:264 Resp: 1171689

Ion Ratio Lower Upper

264 100

260 22.3 18.4 27.6

265 22.1 18.9 28.3



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

