

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\  
 Data File : BG027236.D  
 Acq On : 6 Jun 2017 6:22  
 Operator : SJ/MA  
 Sample : I3450-01  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A-2186

Quant Time: Jun 06 07:47:35 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

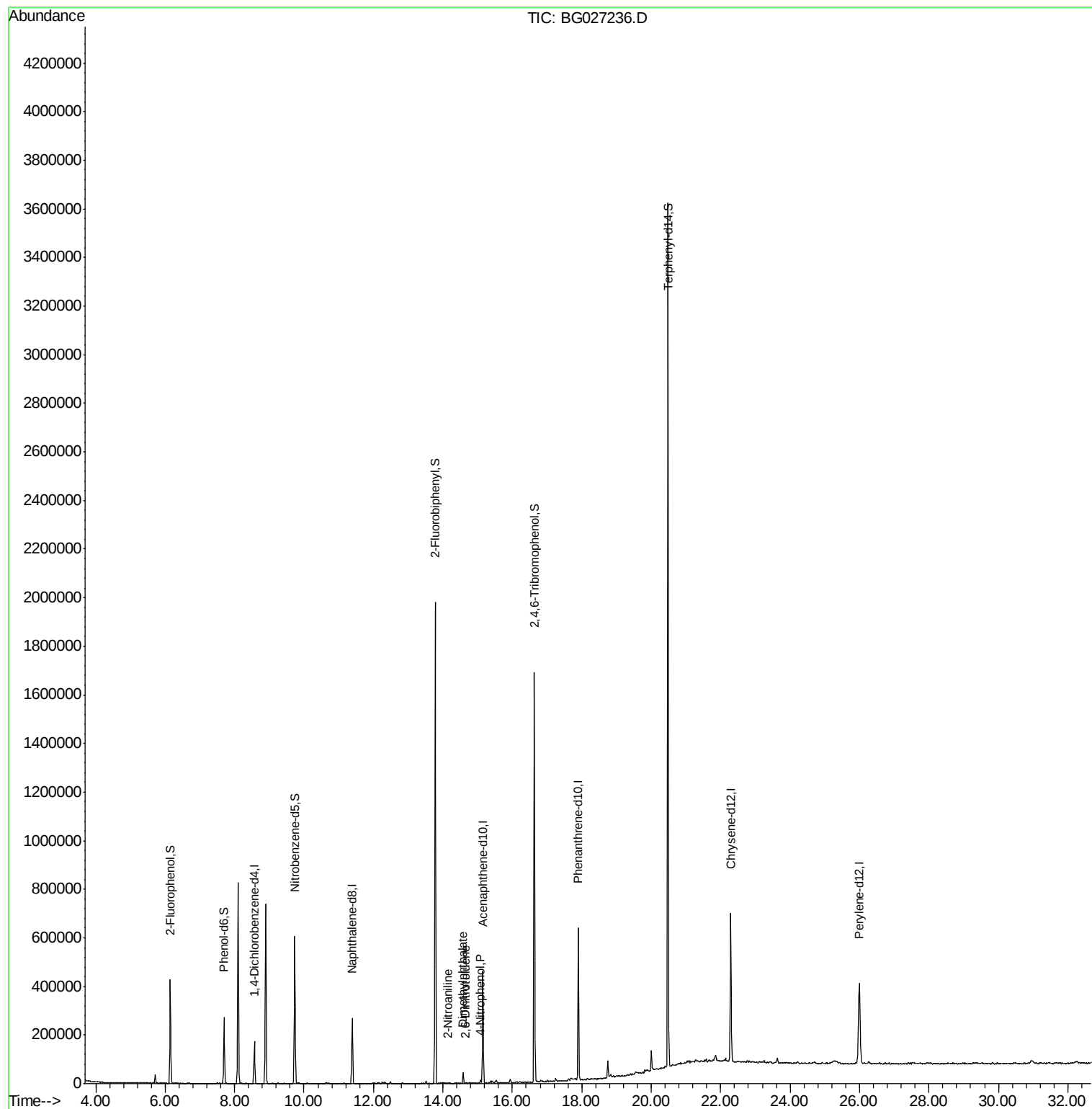
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.57  | 152  | 53240    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.39 | 136  | 245859   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.15 | 164  | 164794   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.90 | 188  | 395592   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 22.29 | 240  | 440255   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.99 | 264  | 418141   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.15  | 112  | 207395   | 59.44  | ng    | 0.00     |
| 7) Phenol-d6                | 7.70  | 99   | 178396   | 34.83  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.73  | 82   | 409446   | 104.73 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 350432   | 161.49 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.78 | 172  | 1105161  | 93.82  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.48 | 244  | 1636705  | 94.84  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 47) 2-Nitroaniline          | 14.14 | 65   | 55       | 6.85   | ng    | # 16     |
| 49) Dimethylphthalate       | 14.58 | 163  | 31740    | 2.43   | ng    | # 93     |
| 50) 2,6-Dinitrotoluene      | 14.66 | 165  | 273      | 5.71   | ng    | # 11     |
| 55) 4-Nitrophenol           | 15.09 | 139  | 761      | 6.41   | ng    | # 1      |

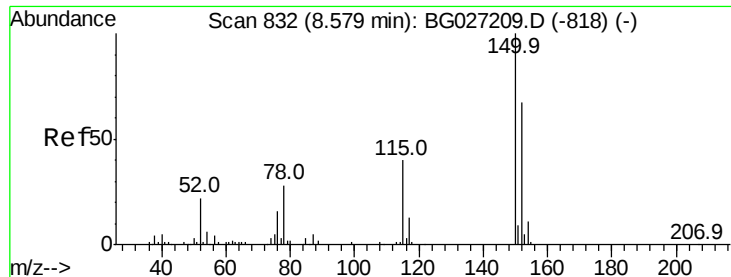
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.57 min Scan# 831

Delta R.T. -0.01 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

Instrument :

BNA\_G

ClientSampleId :

A-2186

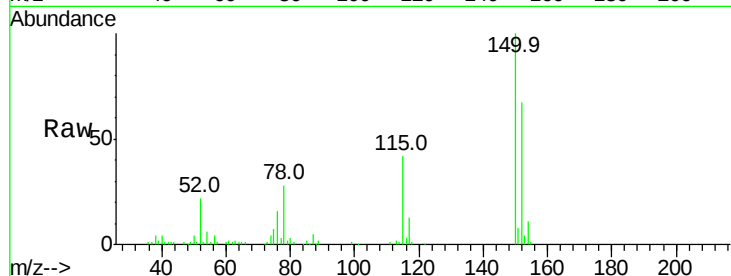
Tot Ion:152 Resp: 53240

Ion Ratio Lower Upper

152 100

150 149.0 114.0 171.0

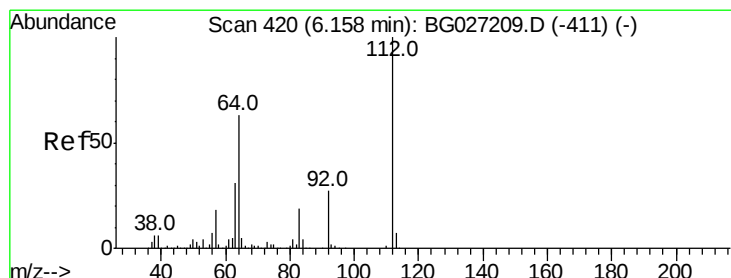
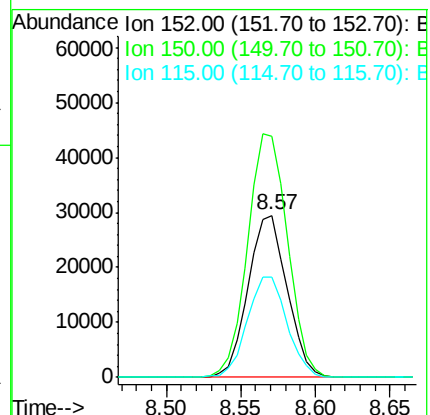
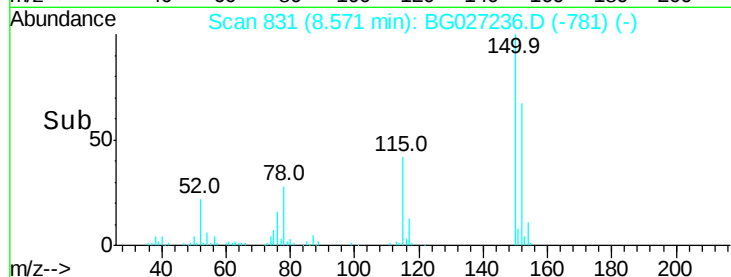
115 62.1 48.1 72.1



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: 59.44 ng

RT: 6.15 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

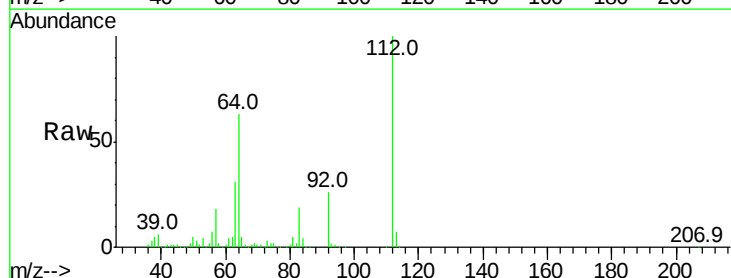
Tgt Ion:112 Resp: 207395

Ion Ratio Lower Upper

112 100

64 63.5 61.8 92.6

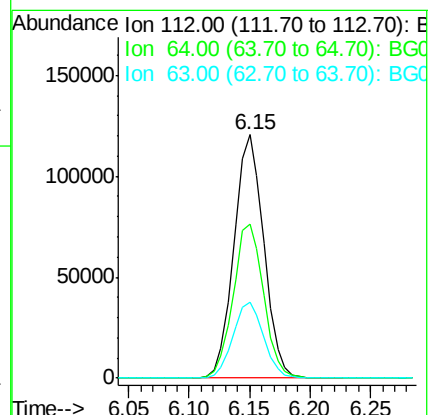
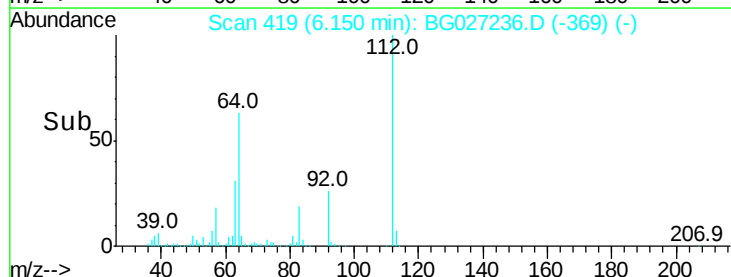
63 31.4 37.2 55.8#

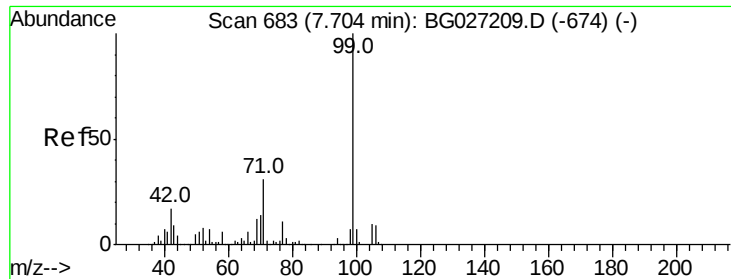


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 34.83 ng

RT: 7.70 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

Instrument :

BNA\_G

ClientSampleId :

A-2186

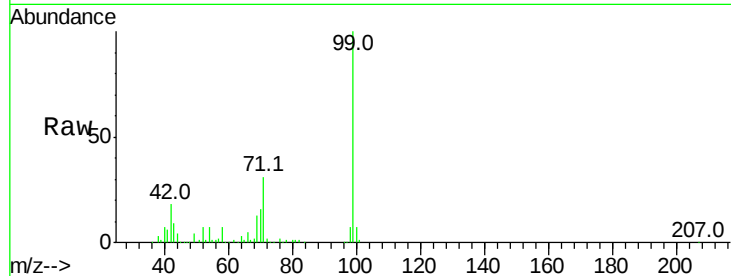
Tot Ion: 99 Resp: 178396

Ion Ratio Lower Upper

99 100

42 17.8 20.5 30.7#

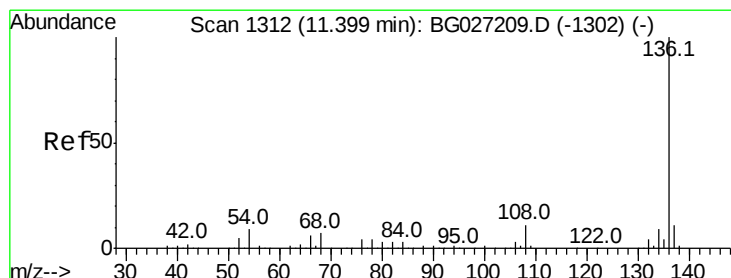
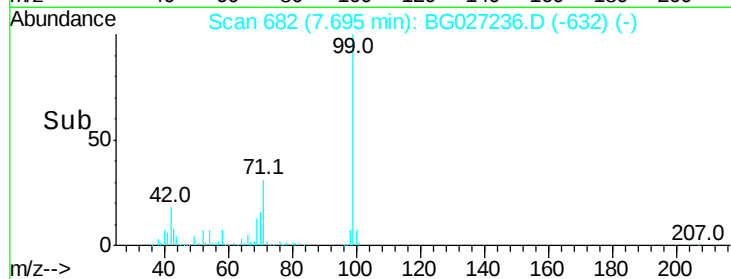
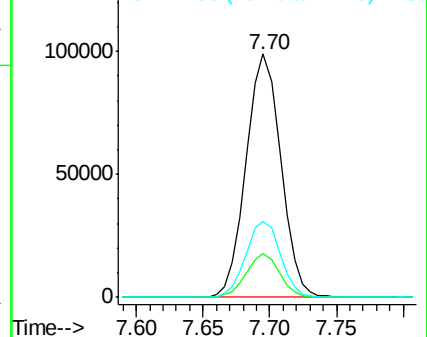
71 31.0 37.6 56.4#



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: 11.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

Tgt Ion: 136 Resp: 245859

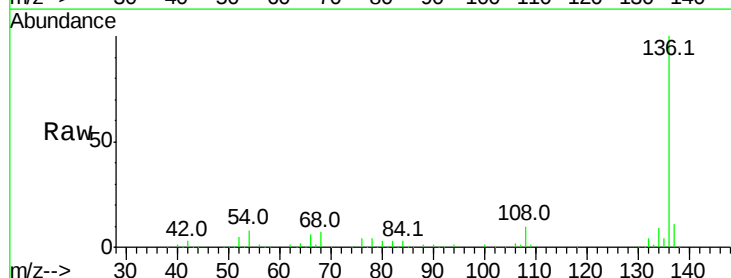
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 9.3 13.9#

68 7.0 5.1 7.7

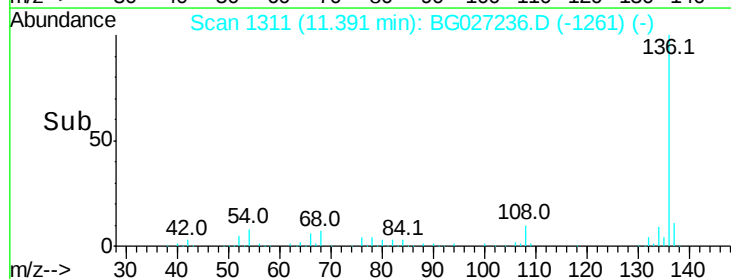
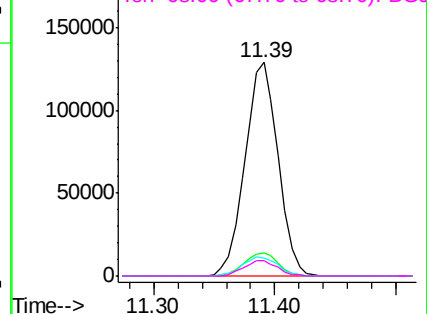


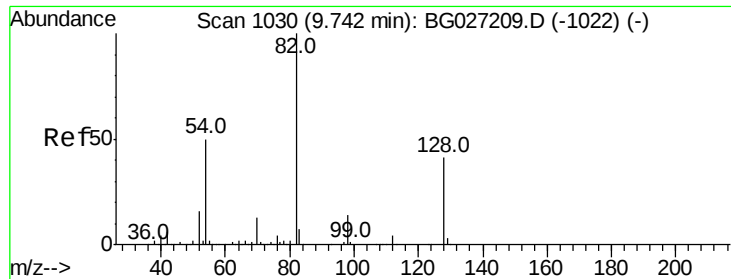
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

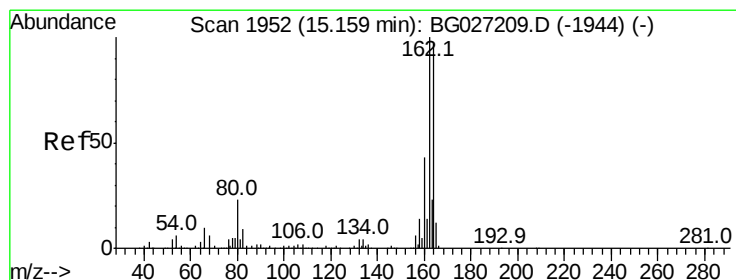
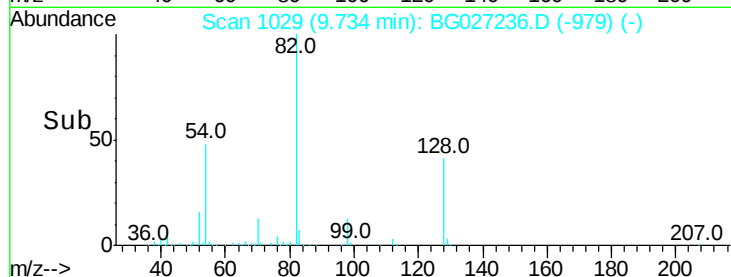
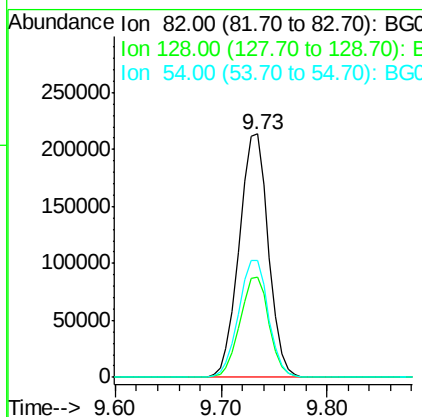
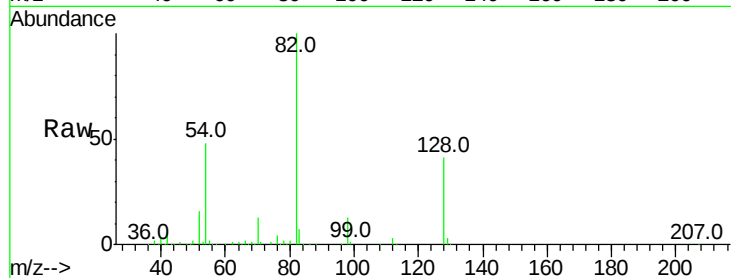




#23  
 Nitrobenzene-d5  
 Concen: 104.73 ng  
 RT: 9.73 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG027236.D  
 Acq: 6 Jun 2017 6:22

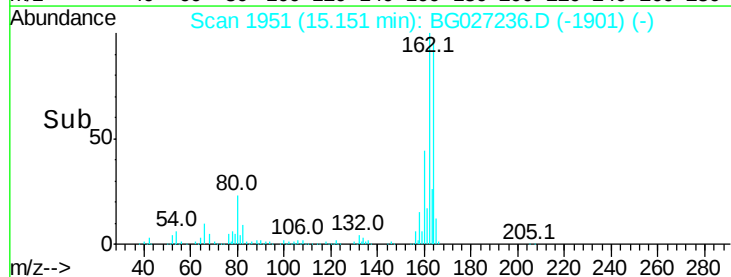
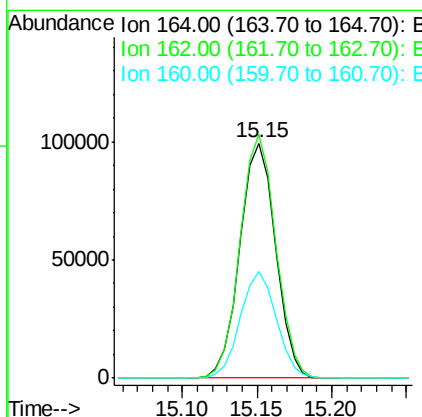
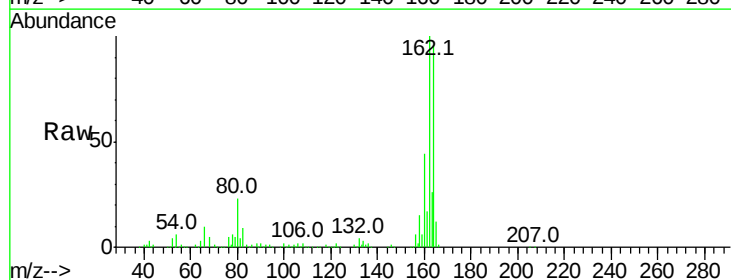
Instrument :  
 BNA\_G  
 ClientSampled :  
 A-2186

Tot Ion: 82 Resp: 409446  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 26.4 39.6#  
 54 47.9 49.4 74.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.15 min Scan# 1951  
 Delta R.T. -0.01 min  
 Lab File: BG027236.D  
 Acq: 6 Jun 2017 6:22

Tgt Ion:164 Resp: 164794  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 85.1 127.7  
 160 45.6 34.7 52.1

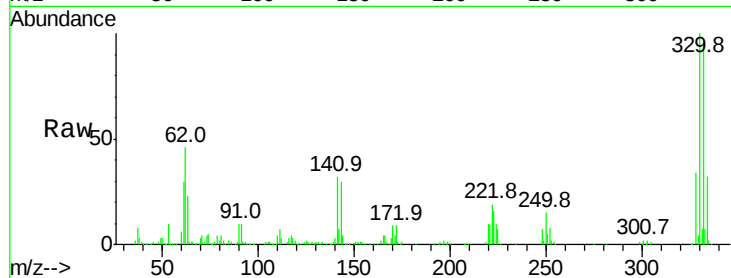




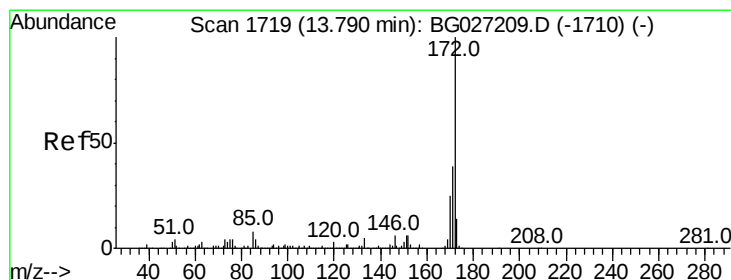
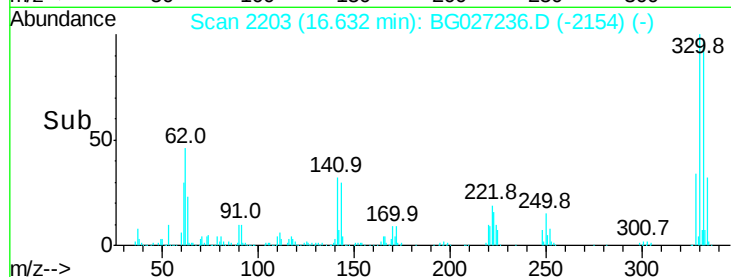
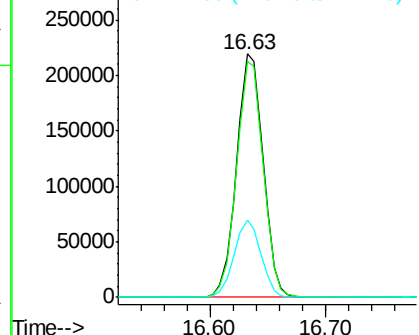
#41  
 2,4,6-Tribromophenol  
 Concen: 161.49 ng  
 RT: 16.63 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG027236.D  
 Acq: 6 Jun 2017 6:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A-2186

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.3  | 115.9 |
| 141     | 31.9  | 32.1  | 48.1# |

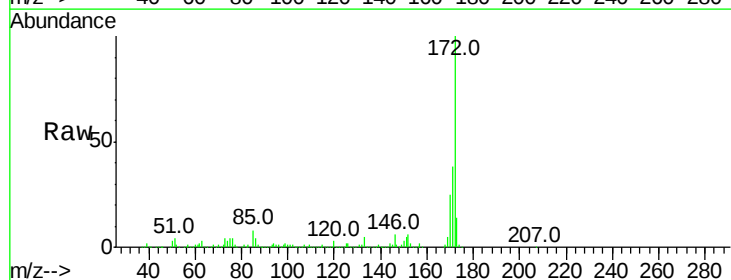


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

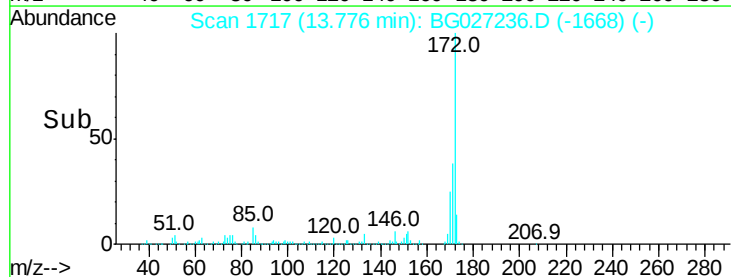
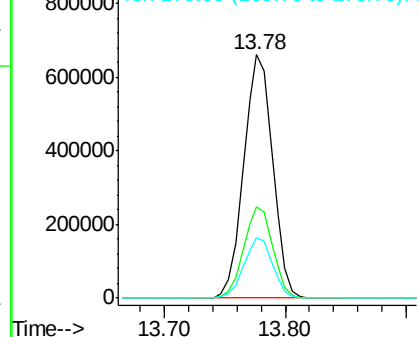


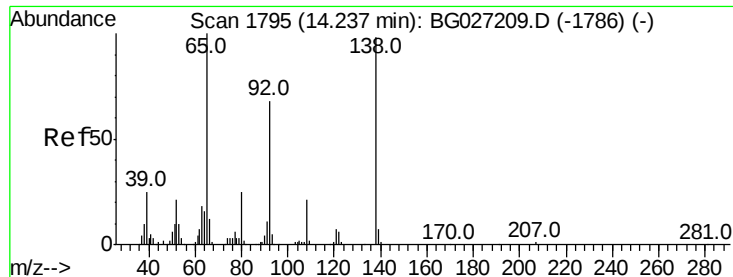
#44  
 2-Fluorobiphenyl  
 Concen: 93.82 ng  
 RT: 13.78 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BG027236.D  
 Acq: 6 Jun 2017 6:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 32.2  | 48.2  |
| 170     | 25.1  | 21.8  | 32.6  |



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





#47

2-Nitroaniline

Concen: 6.85 ng

RT: 14.14 min Scan# 1779

Delta R.T. -0.10 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

Instrument :

BNA\_G

ClientSampleId :

A-2186

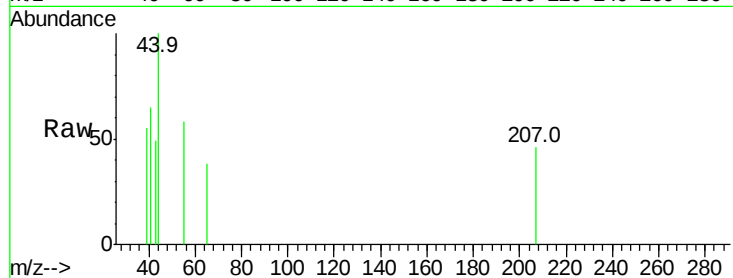
Tot Ion: 65 Resp: 55

Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.4#

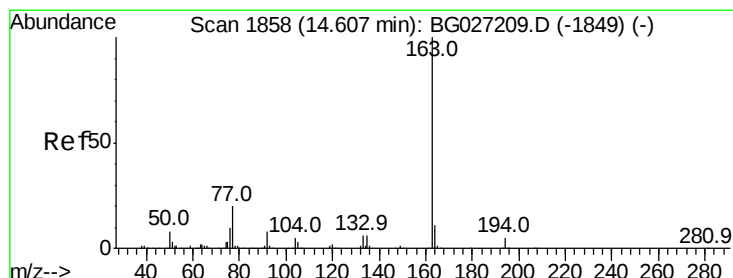
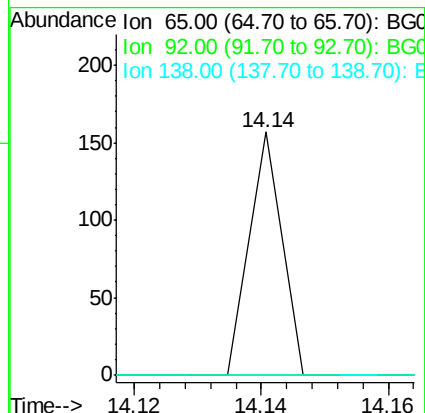
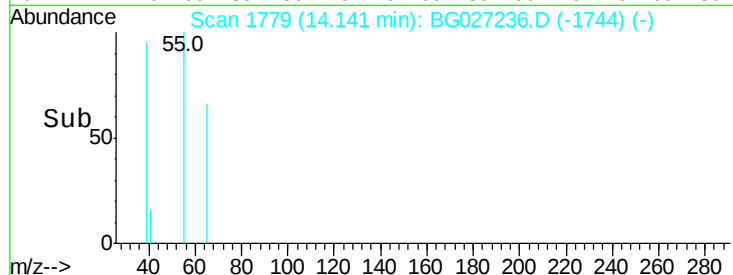
138 0.0 58.6 87.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

14.14

14.12 14.14 14.16



#49

Dimethylphthalate

Concen: 2.43 ng

RT: 14.58 min Scan# 1854

Delta R.T. -0.03 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

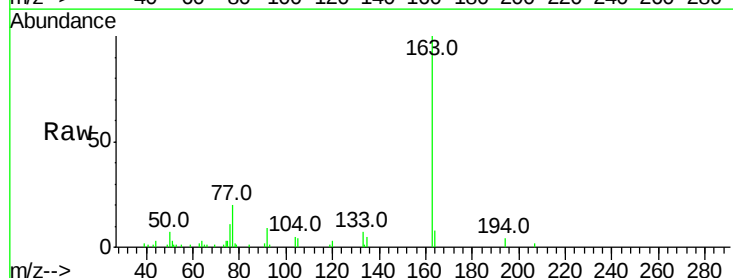
Tgt Ion: 163 Resp: 31740

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

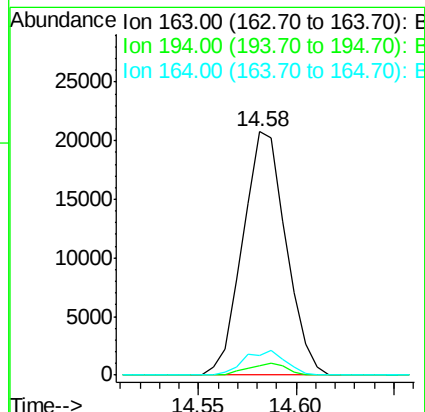
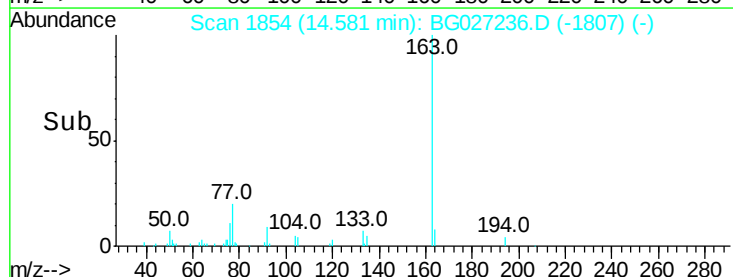
164 8.2 9.3 13.9#

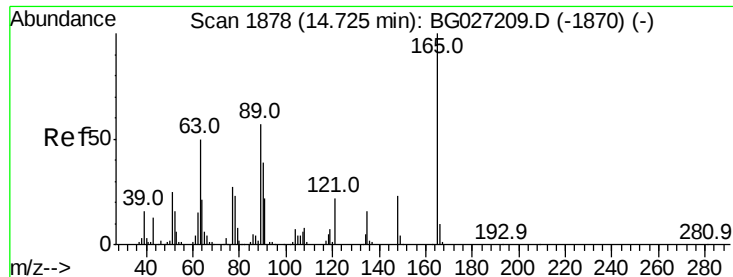


Abundance Ion 163.00 (162.70 to 163.70): BGC  
Ion 194.00 (193.70 to 194.70): BGC  
Ion 164.00 (163.70 to 164.70): BGC

14.58

14.55 14.60

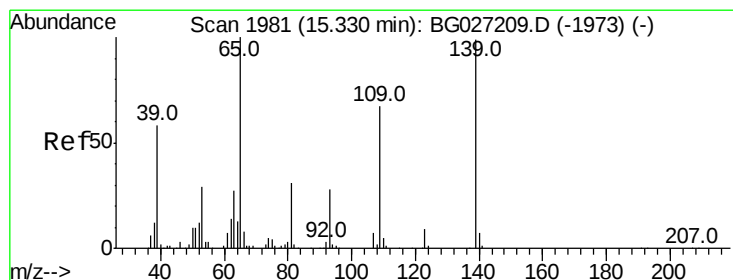
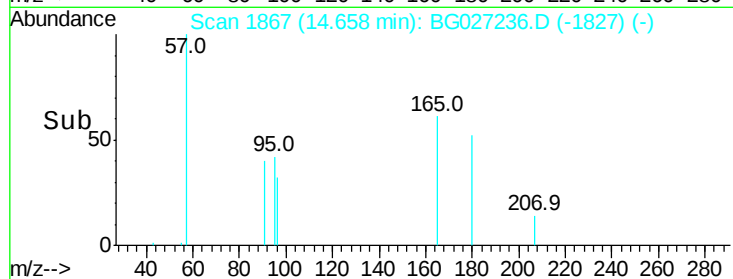
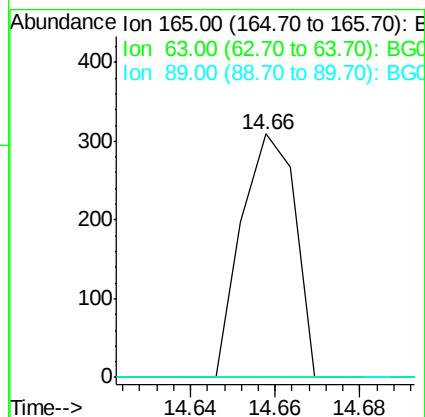
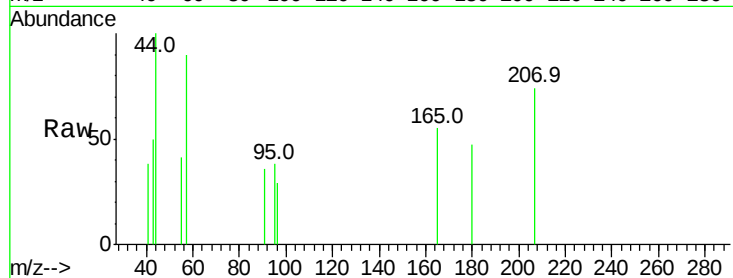




#50  
2,6-Dinitrotoluene  
Concen: 5.71 ng  
RT: 14.66 min Scan# 1867  
Delta R.T. -0.07 min  
Lab File: BG027236.D  
Acq: 6 Jun 2017 6:22

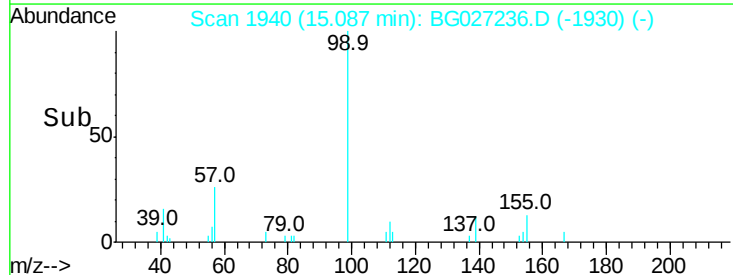
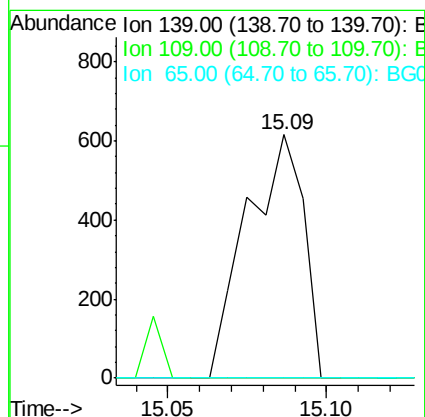
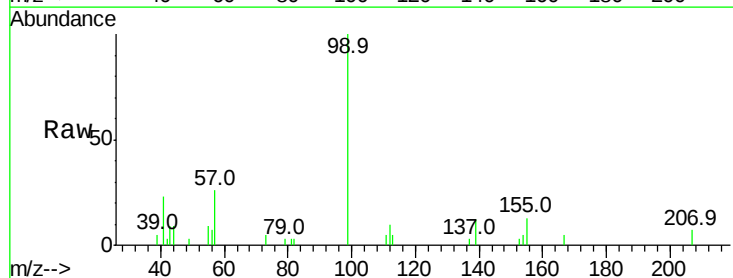
Instrument :  
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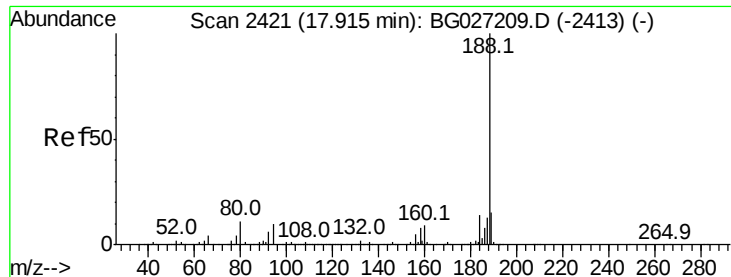
Tot Ion:165 Resp: 273  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.9 95.9#  
89 0.0 58.6 88.0#



#55  
4-Nitrophenol  
Concen: 6.41 ng  
RT: 15.09 min Scan# 1940  
Delta R.T. -0.24 min  
Lab File: BG027236.D  
Acq: 6 Jun 2017 6:22

Tgt Ion:139 Resp: 761  
Ion Ratio Lower Upper  
139 100  
109 0.0 101.2 141.2#  
65 0.0 135.3 175.3#

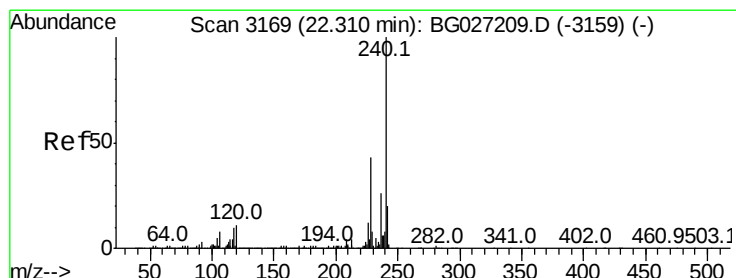
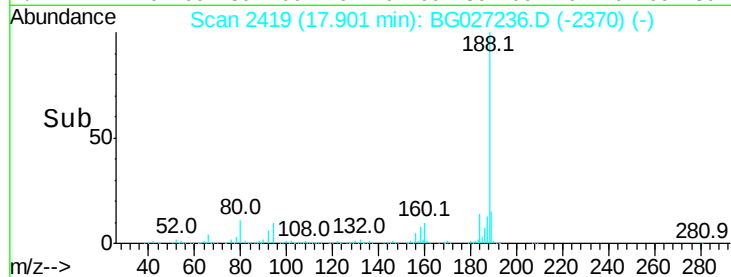
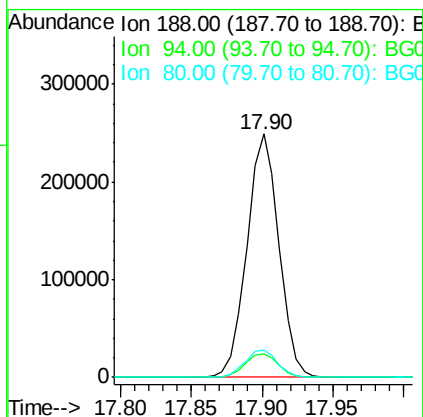
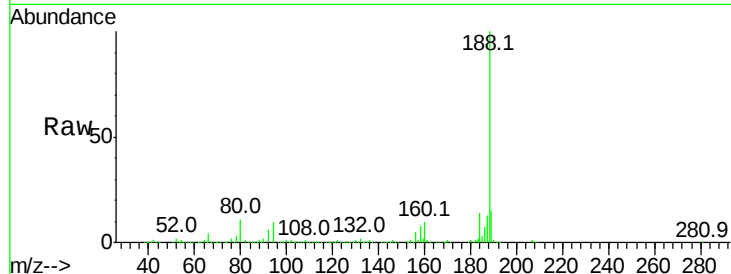




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.90 min Scan# 2419  
Delta R.T. -0.01 min  
Lab File: BG027236.D  
Acq: 6 Jun 2017 6:22

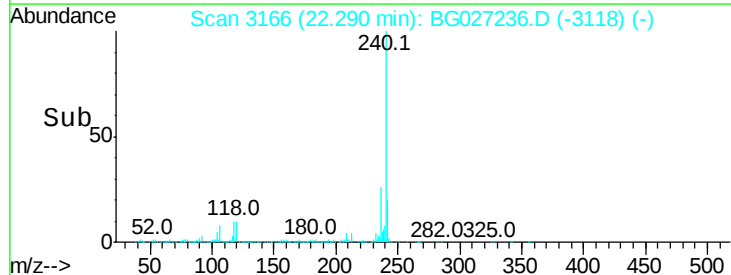
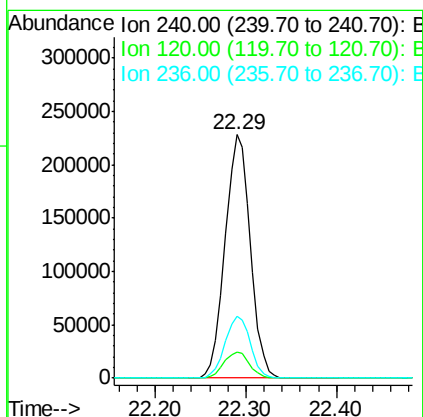
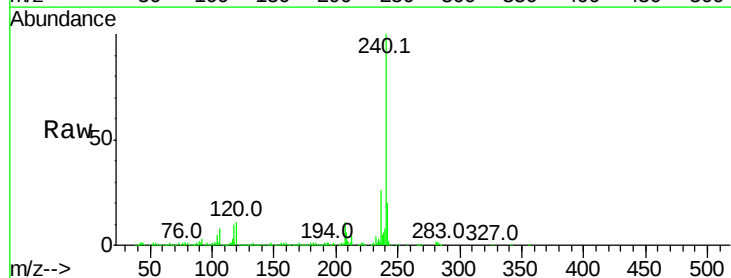
Instrument :  
BNA\_G  
ClientSampleId :  
A-2186

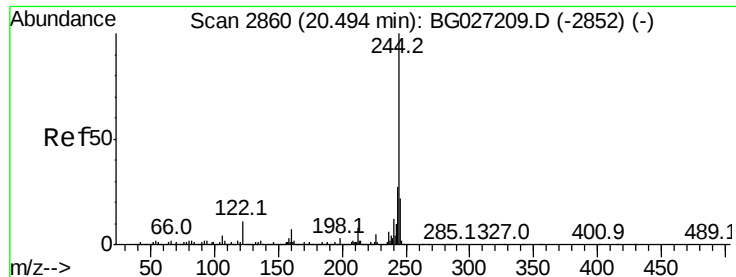
Tot Ion:188 Resp: 395592  
Ion Ratio Lower Upper  
188 100  
94 9.8 5.8 8.8#  
80 11.0 7.5 11.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.29 min Scan# 3166  
Delta R.T. -0.02 min  
Lab File: BG027236.D  
Acq: 6 Jun 2017 6:22

Tgt Ion:240 Resp: 440255  
Ion Ratio Lower Upper  
240 100  
120 10.5 5.7 8.5#  
236 25.5 22.2 33.4





#78

Terphenyl-d14

Concen: 94.84 ng

RT: 20.48 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

Instrument :

BNA\_G

ClientSampled :

A-2186

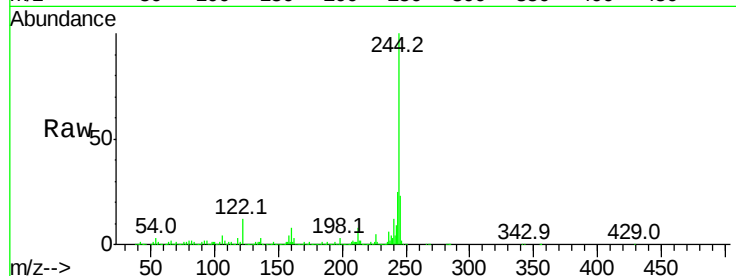
Tot Ion:244 Resp: 1636705

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

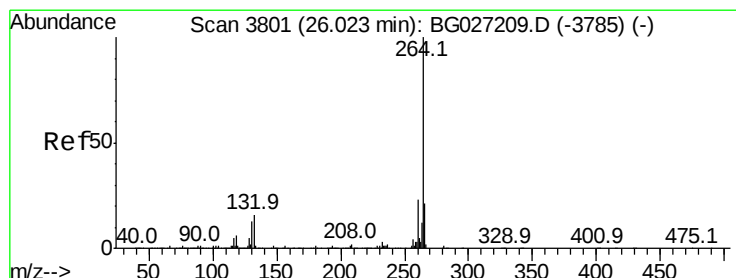
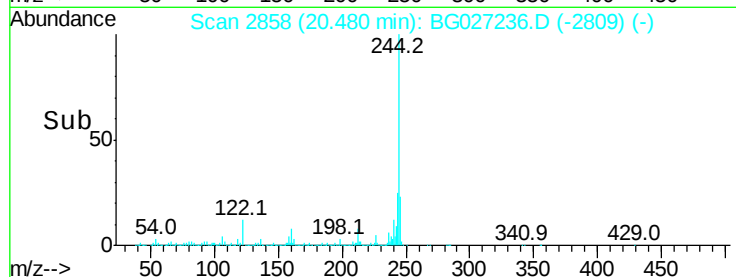
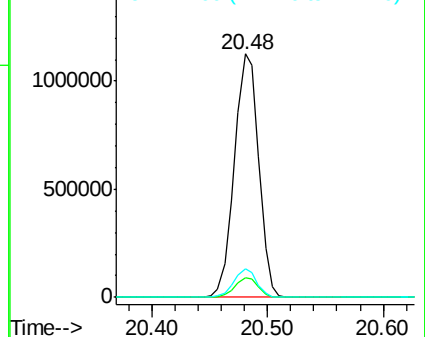
122 11.7 8.6 12.8



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

Perylene-d12

Concen: 20.00 ng

RT: 25.99 min Scan# 3796

Delta R.T. -0.03 min

Lab File: BG027236.D

Acq: 6 Jun 2017 6:22

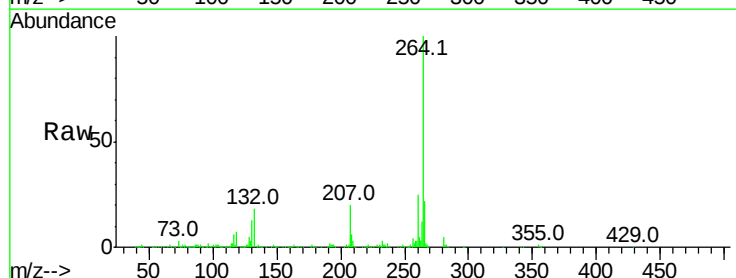
Tgt Ion:264 Resp: 418141

Ion Ratio Lower Upper

264 100

260 24.8 21.8 32.8

265 21.7 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

