

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060517\  
 Data File : BG027233.D  
 Acq On : 6 Jun 2017 4:25  
 Operator : SJ/MA  
 Sample : I3405-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 06 06:03:09 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

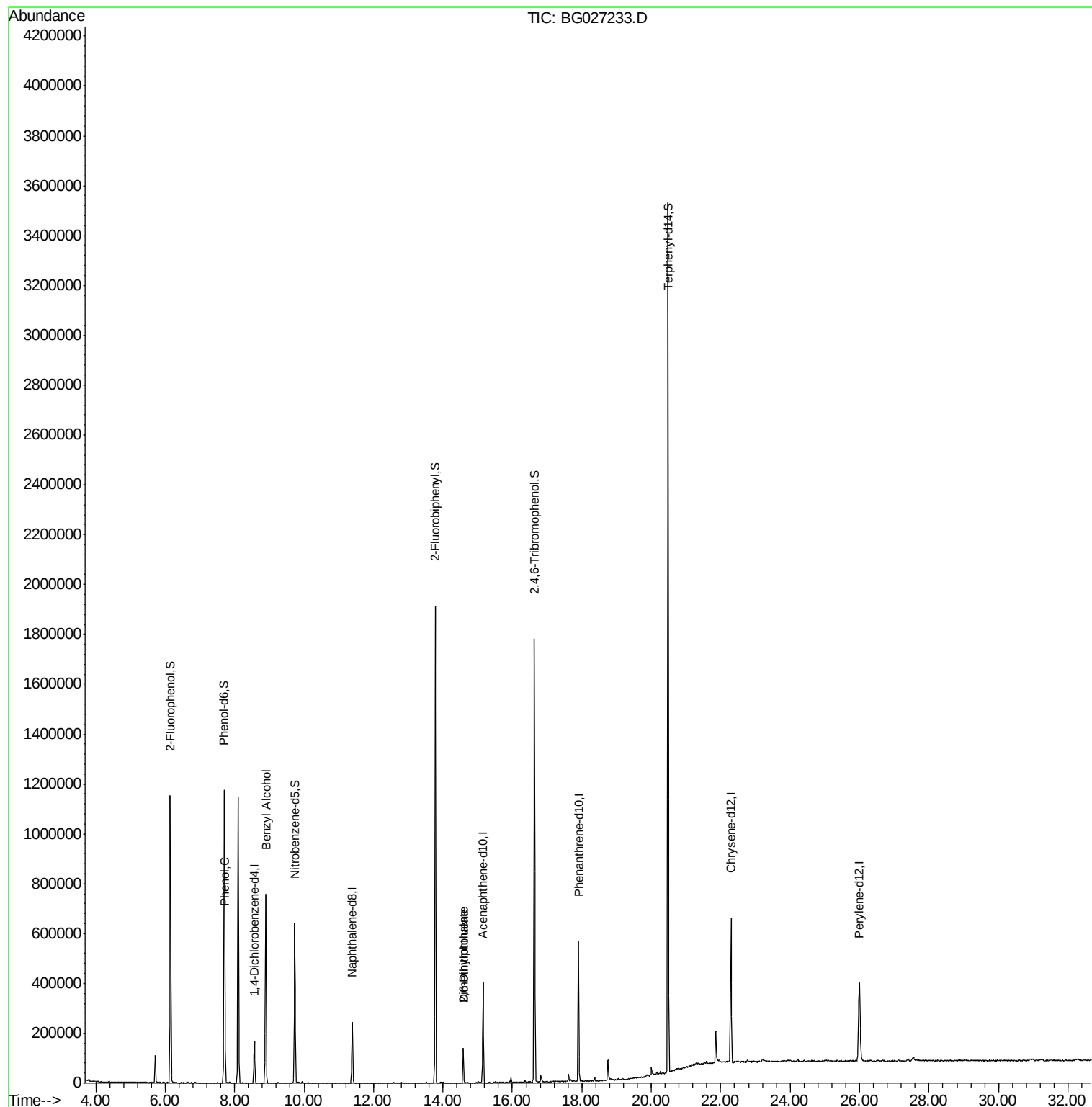
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.57  | 152  | 49042    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 11.39 | 136  | 225928   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 15.16 | 164  | 147285   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.91 | 188  | 371299   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 22.29 | 240  | 421748   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 26.00 | 264  | 399840   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.15  | 112  | 575058   | 178.93 | ng    | 0.00      |
| 7) Phenol-d6                | 7.70  | 99   | 795765   | 168.68 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.73  | 82   | 420805   | 117.14 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.64 | 330  | 363597   | 187.47 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.78 | 172  | 1056345  | 100.34 | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.48 | 244  | 1632055  | 98.72  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.72  | 94   | 38709    | 8.02   | ng    | Qvalue 88 |
| 15) Benzyl Alcohol          | 8.89  | 79   | 6973     | 2.10   | ng    | # 50      |
| 49) Dimethylphthalate       | 14.59 | 163  | 95684    | 8.19   | ng    | 97        |
| 50) 2,6-Dinitrotoluene      | 14.59 | 165  | 916      | 5.96   | ng    | # 10      |

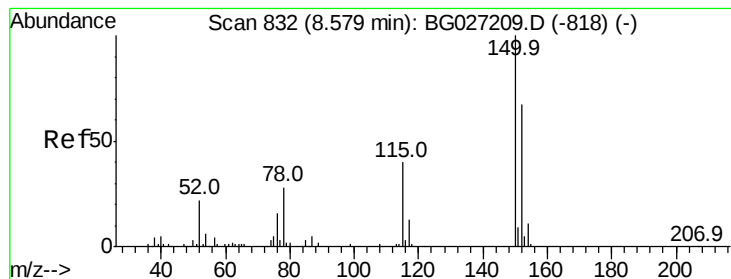
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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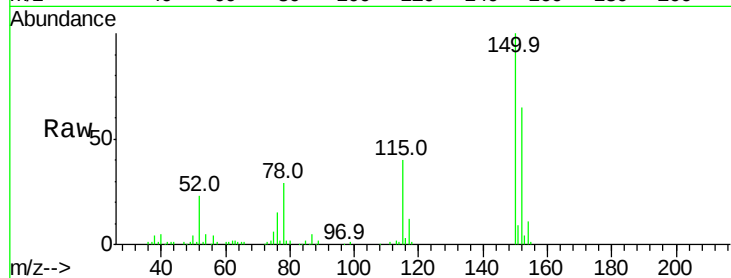


#1

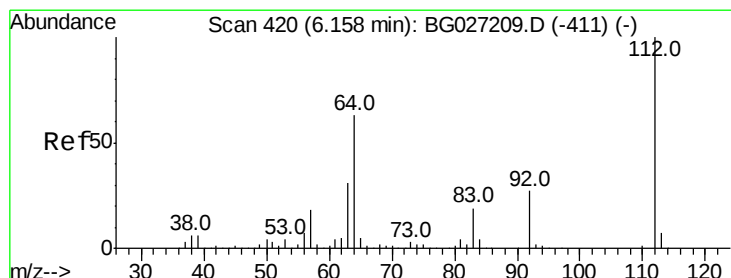
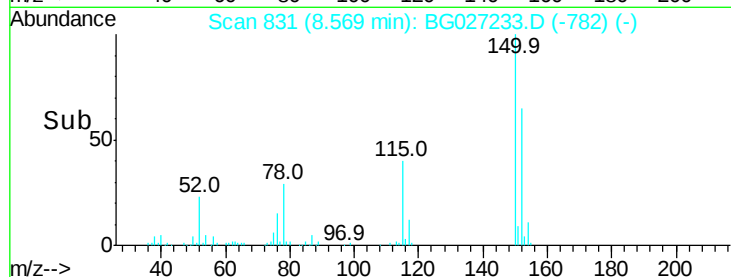
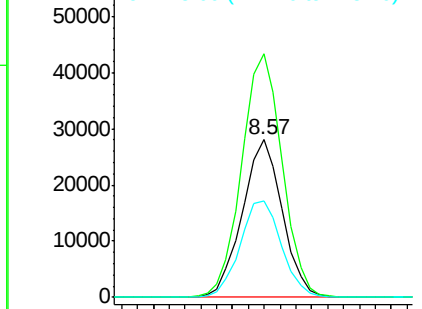
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.57 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BG027233.D  
Acq: 6 Jun 2017 4:25

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 49042  
Ion Ratio Lower Upper  
152 100  
150 154.6 114.0 171.0  
115 61.5 48.1 72.1



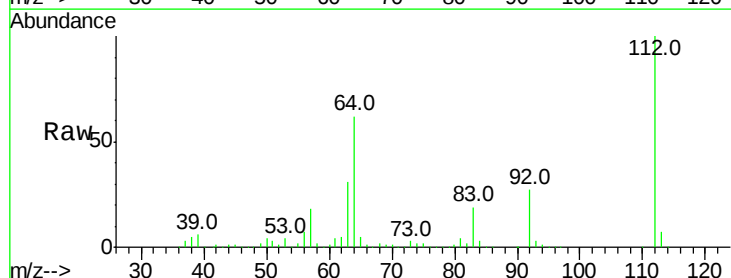
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



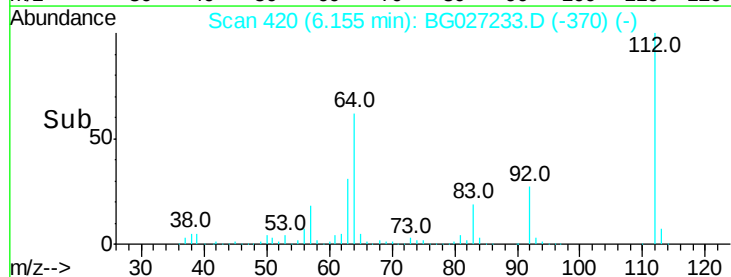
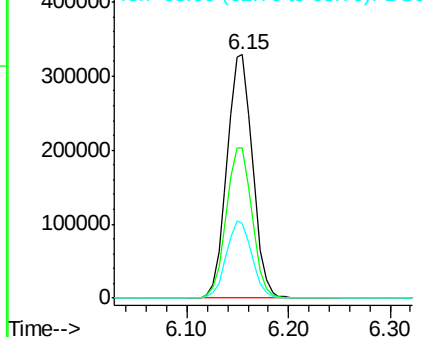
#5

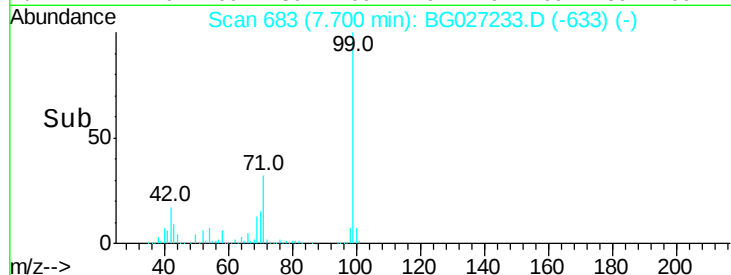
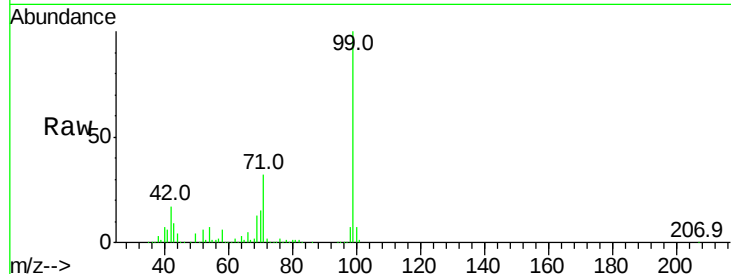
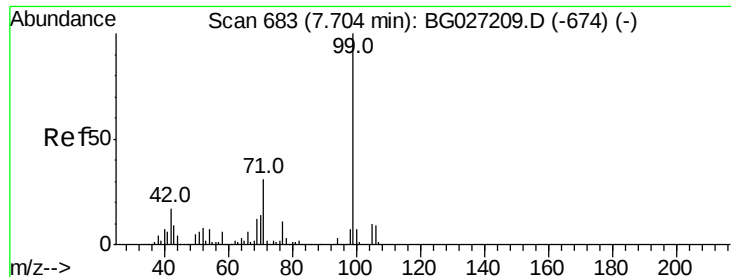
2-Fluorophenol  
Concen: 178.93 ng  
RT: 6.15 min Scan# 420  
Delta R.T. -0.00 min  
Lab File: BG027233.D  
Acq: 6 Jun 2017 4:25

Tgt Ion:112 Resp: 575058  
Ion Ratio Lower Upper  
112 100  
64 61.6 61.8 92.6#  
63 30.9 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: 168.68 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

Instrument :

BNA\_G

ClientSampleId :

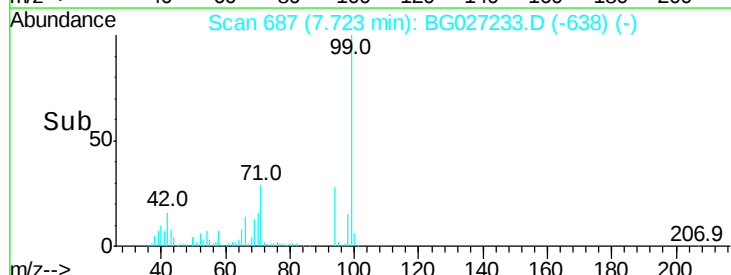
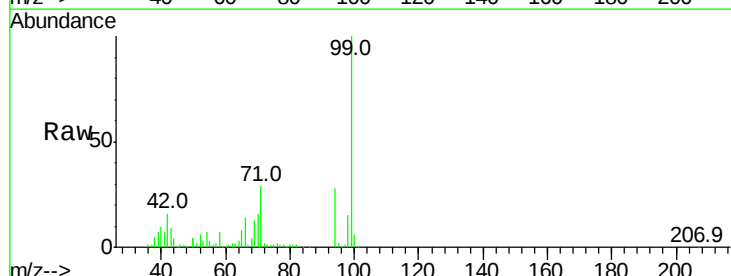
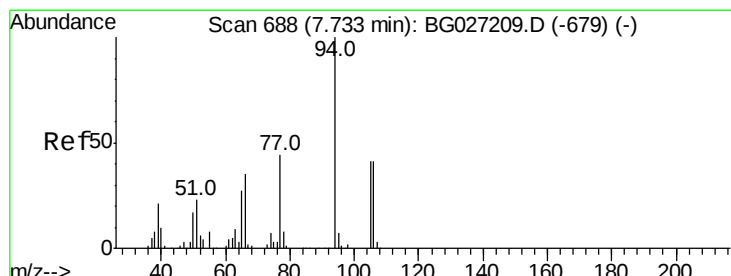
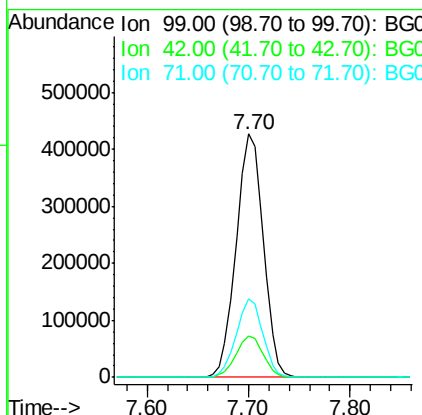
Tot Ion: 99 Resp: 795765

Ion Ratio Lower Upper

99 100

42 16.9 20.5 30.7#

71 32.2 37.6 56.4#



#10

Phenol

Concen: 8.02 ng

RT: 7.72 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

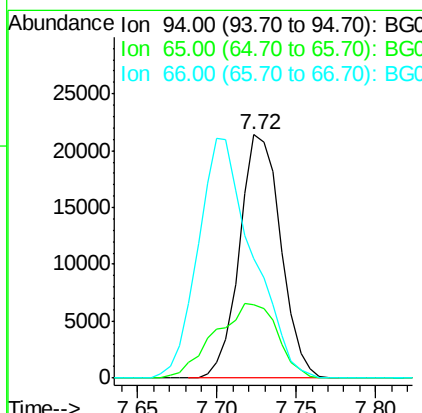
Tgt Ion: 94 Resp: 38709

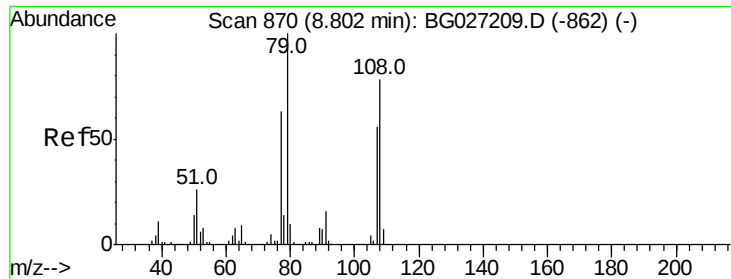
Ion Ratio Lower Upper

94 100

65 29.9 20.6 60.6

66 49.3 35.5 75.5





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 8.89 min Scan# 886

Delta R.T. 0.09 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

Instrument :

BNA\_G

ClientSampleId :

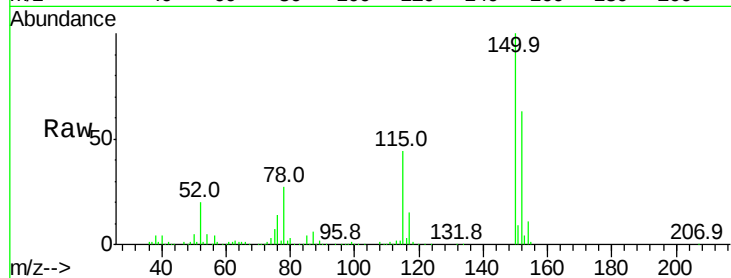
Tot Ion: 79 Resp: 6973

Ion Ratio Lower Upper

79 100

108 32.6 45.5 68.3#

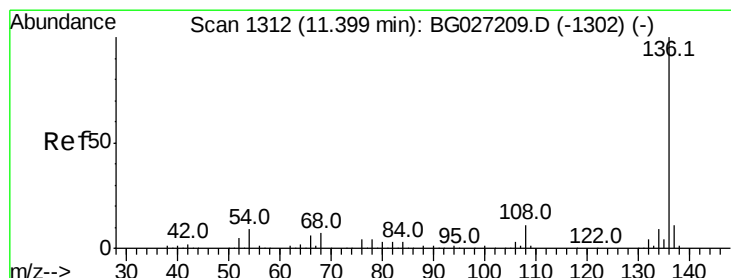
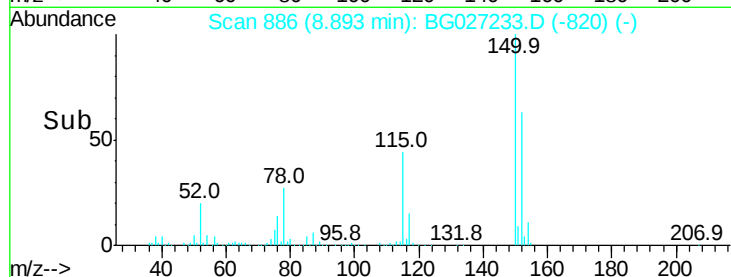
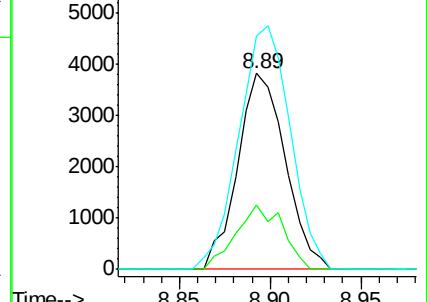
77 119.3 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

Tgt Ion: 136 Resp: 225928

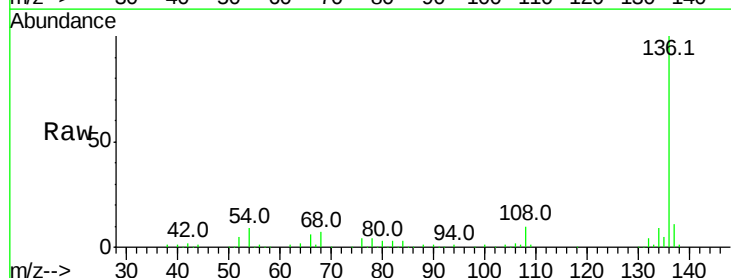
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 9.3 13.9#

68 7.0 5.1 7.7

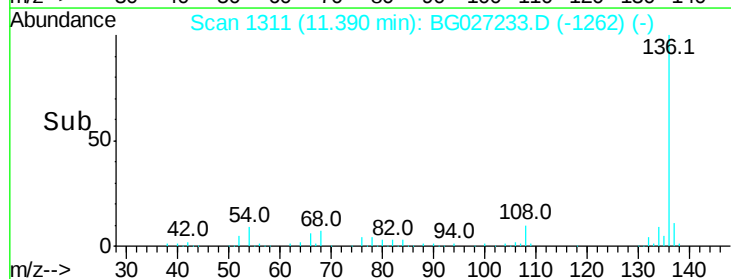
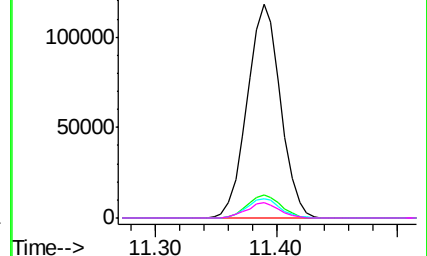


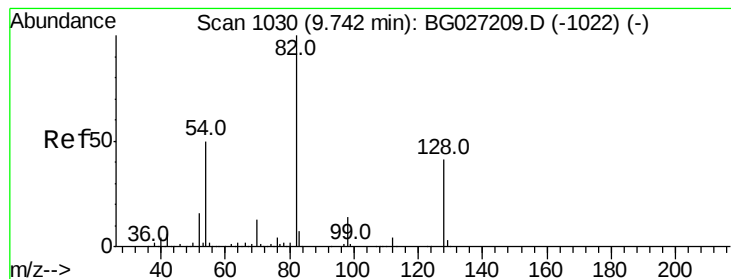
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 117.14 ng

RT: 9.73 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

Instrument :

BNA\_G

ClientSampled :

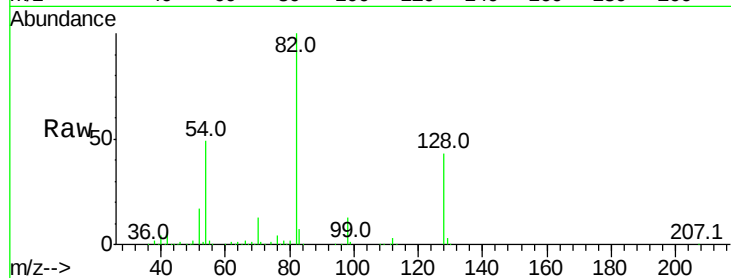
Tot Ion: 82 Resp: 420805

Ion Ratio Lower Upper

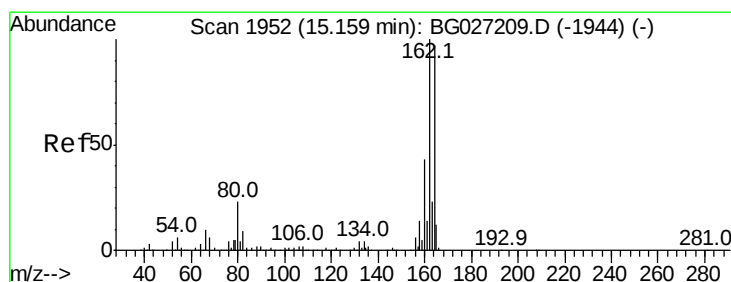
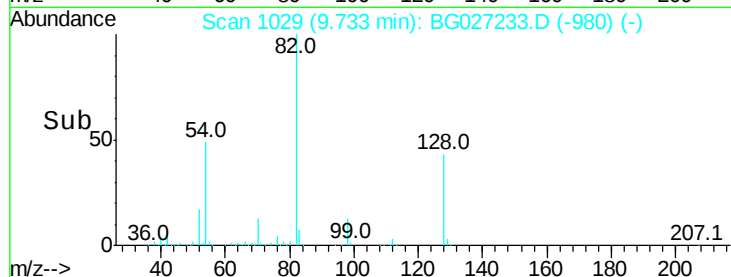
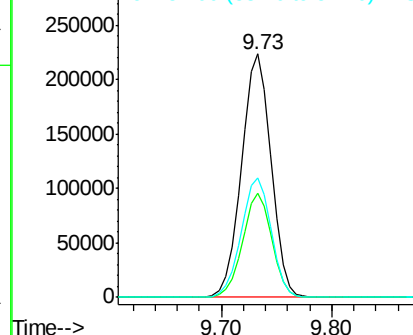
82 100

128 42.7 26.4 39.6#

54 48.8 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: 15.16 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

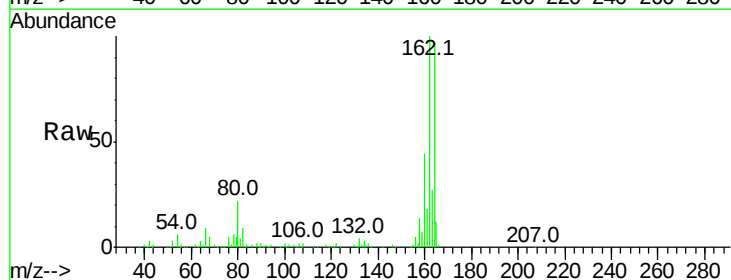
Tgt Ion:164 Resp: 147285

Ion Ratio Lower Upper

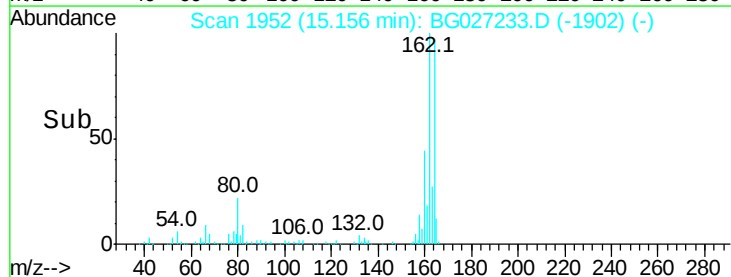
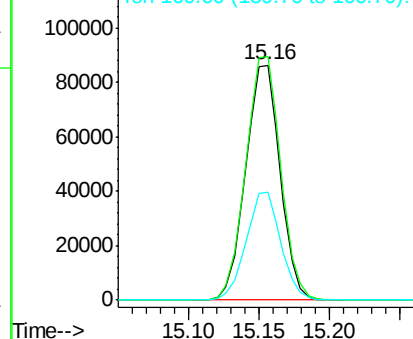
164 100

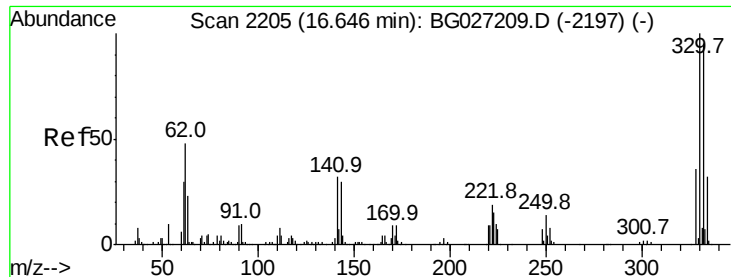
162 103.6 85.1 127.7

160 46.0 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

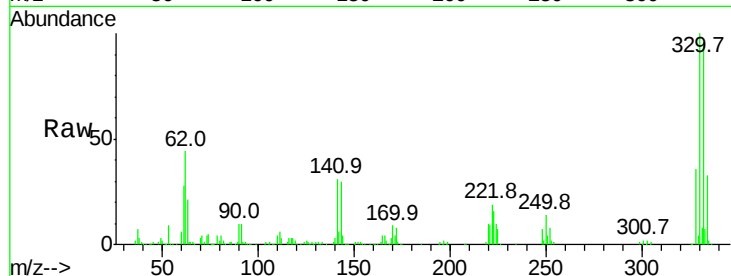




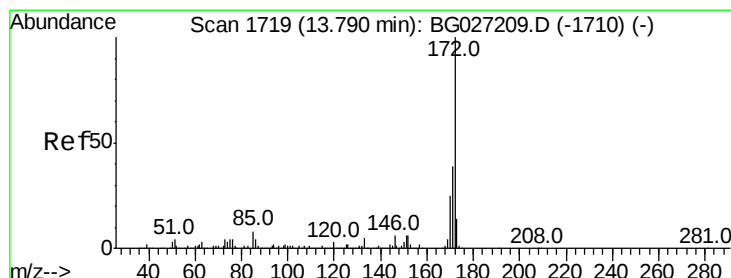
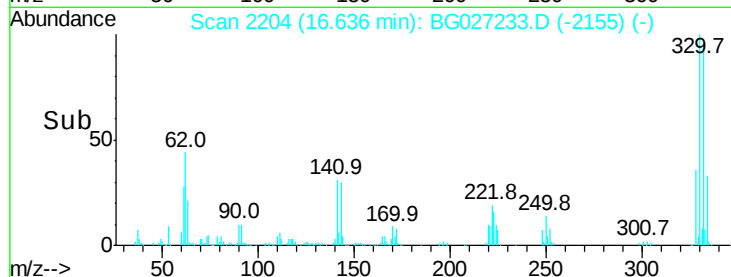
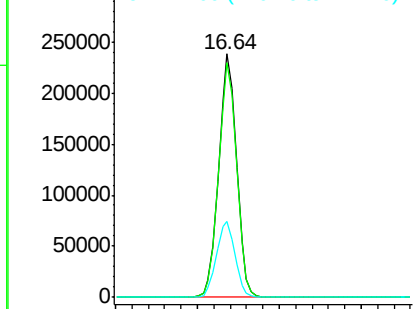
#41  
 2,4,6-Tribromophenol  
 Concen: 187.47 ng  
 RT: 16.64 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BG027233.D  
 Acq: 6 Jun 2017 4:25

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 363597  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 77.3 115.9  
 141 32.5 32.1 48.1

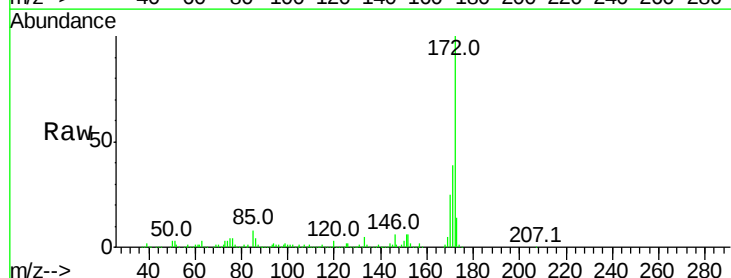


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

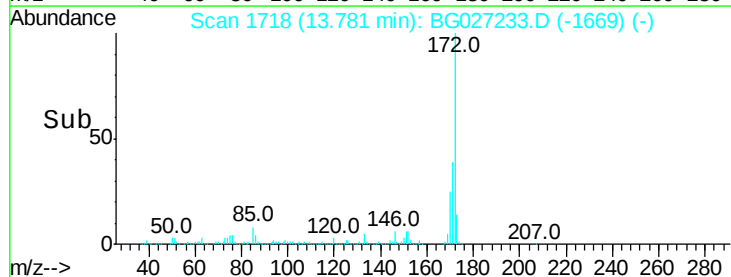
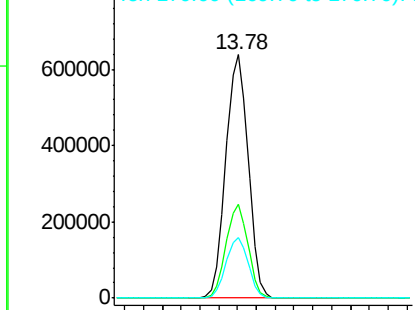


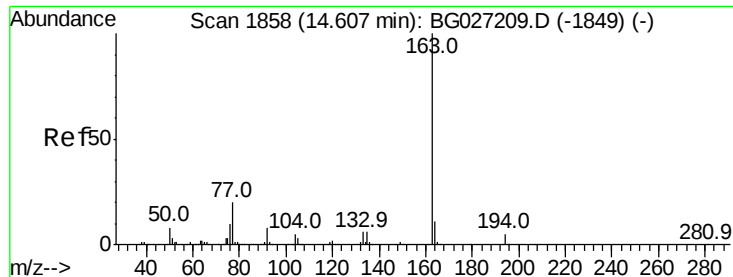
#44  
 2-Fluorobiphenyl  
 Concen: 100.34 ng  
 RT: 13.78 min Scan# 1718  
 Delta R.T. -0.01 min  
 Lab File: BG027233.D  
 Acq: 6 Jun 2017 4:25

Tgt Ion:172 Resp: 1056345  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 32.2 48.2  
 170 24.9 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





#49

Dimethylphthalate

Concen: 8.19 ng

RT: 14.59 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BG027233.D

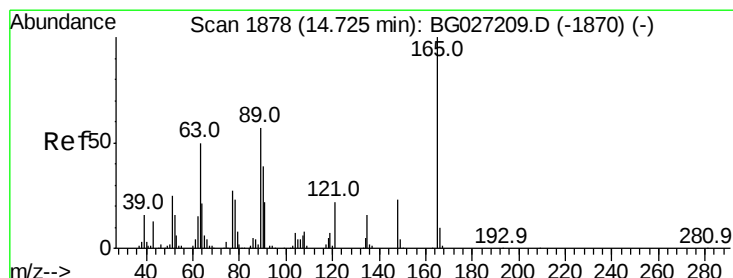
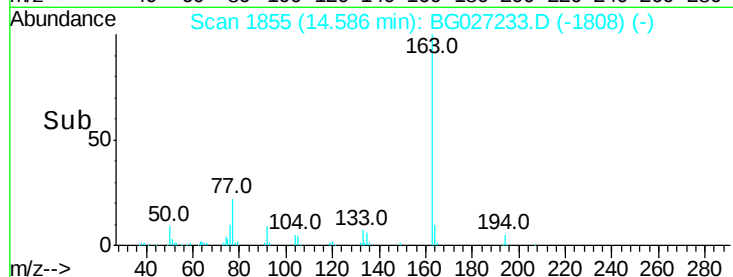
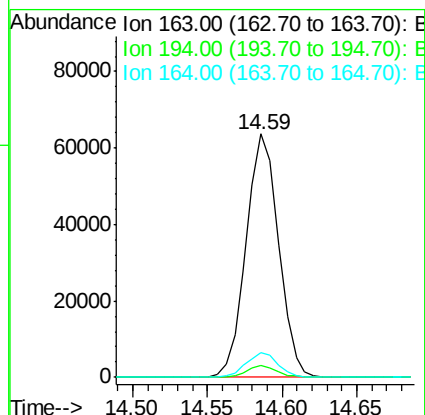
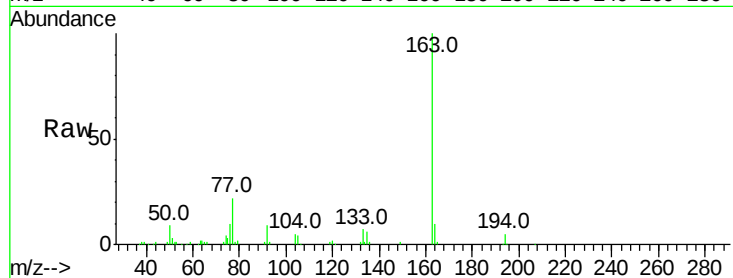
Acq: 6 Jun 2017 4:25

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 163   | Resp: | 95684 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.8   | 3.8   | 5.6   |
| 164      | 10.0  | 9.3   | 13.9  |



#50

2,6-Dinitrotoluene

Concen: 5.96 ng

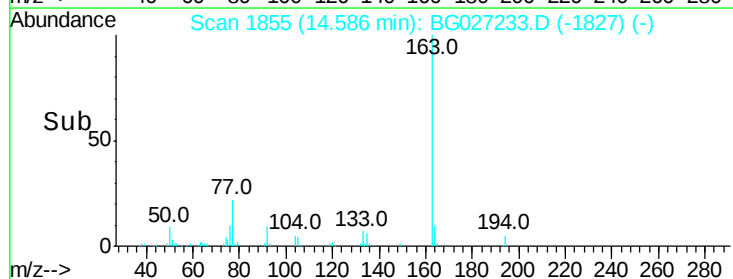
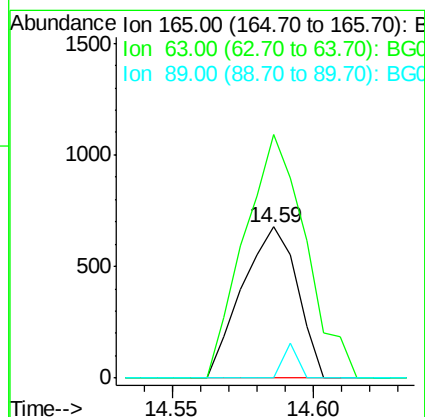
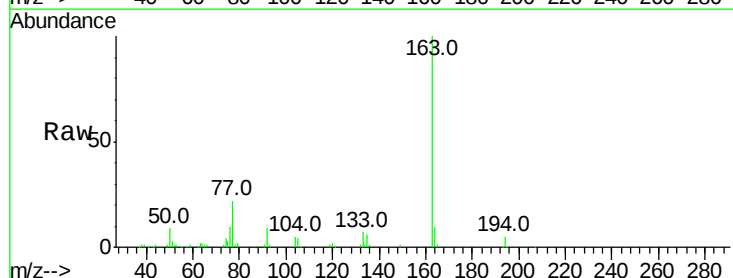
RT: 14.59 min Scan# 1855

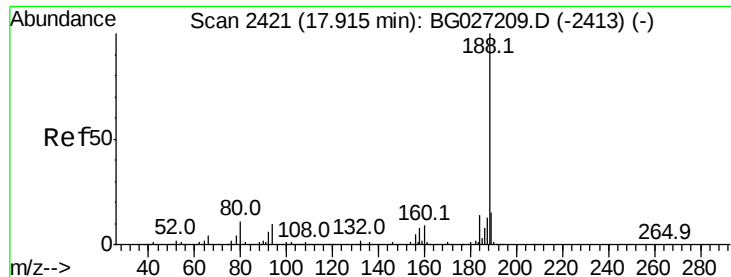
Delta R.T. -0.14 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 916   |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 160.9 | 63.9  | 95.9# |
| 89       | 0.0   | 58.6  | 88.0# |

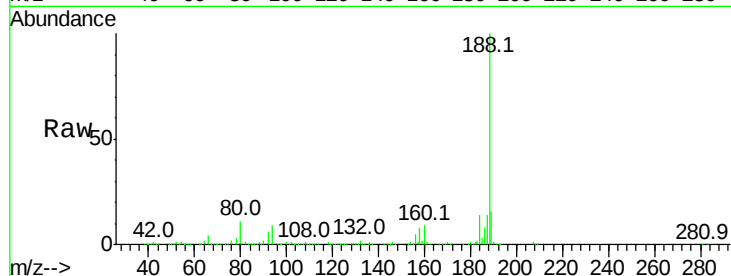




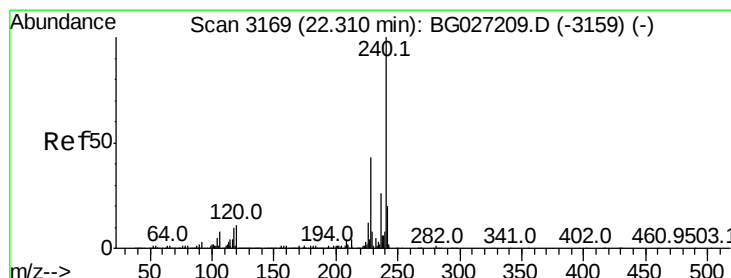
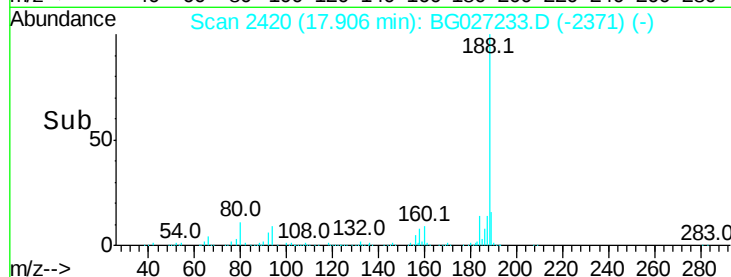
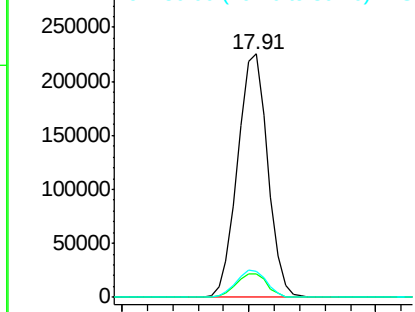
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.91 min Scan# 2420  
Delta R.T. -0.01 min  
Lab File: BG027233.D  
Acq: 6 Jun 2017 4:25

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 371299  
Ion Ratio Lower Upper  
188 100  
94 9.4 5.8 8.8#  
80 10.5 7.5 11.3

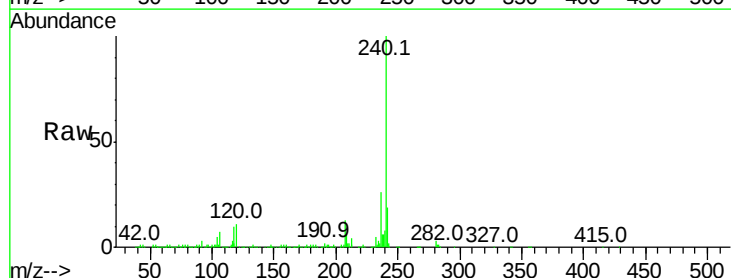


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

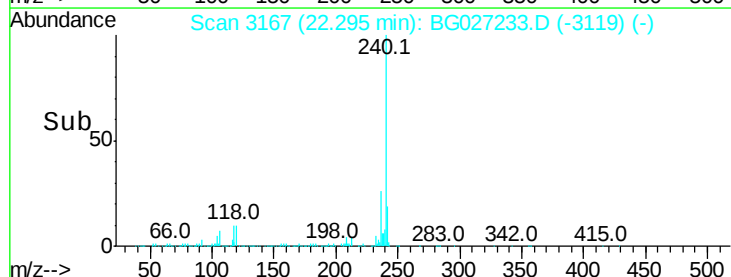
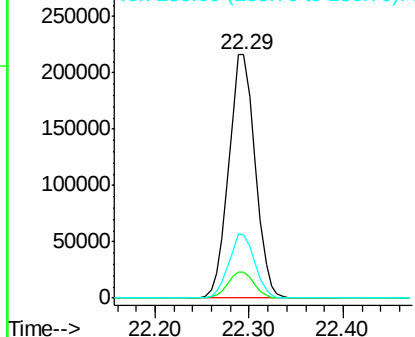


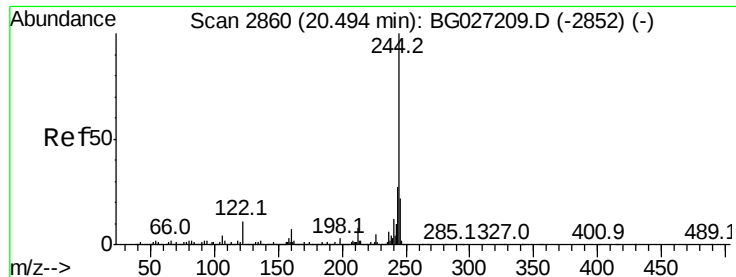
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.29 min Scan# 3167  
Delta R.T. -0.02 min  
Lab File: BG027233.D  
Acq: 6 Jun 2017 4:25

Tgt Ion:240 Resp: 421748  
Ion Ratio Lower Upper  
240 100  
120 10.6 5.7 8.5#  
236 25.7 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: 98.72 ng

RT: 20.48 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

Instrument :

BNA\_G

ClientSampleId :

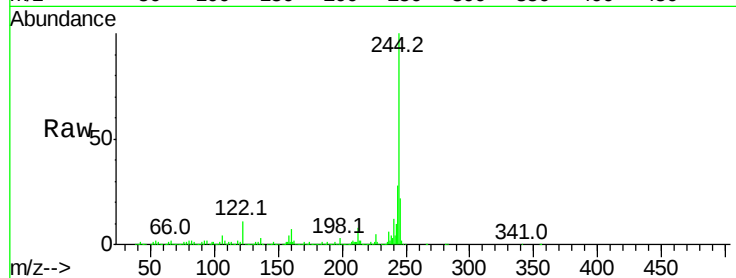
Tot Ion:244 Resp: 1632055

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 10.0  | 15.0# |
| 122 | 11.0  | 8.6   | 12.8  |

244 100

212 8.2 10.0 15.0#

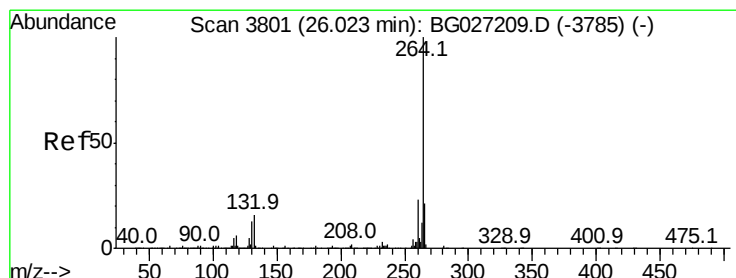
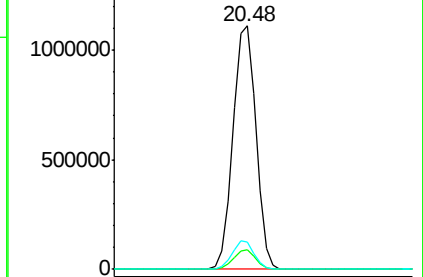
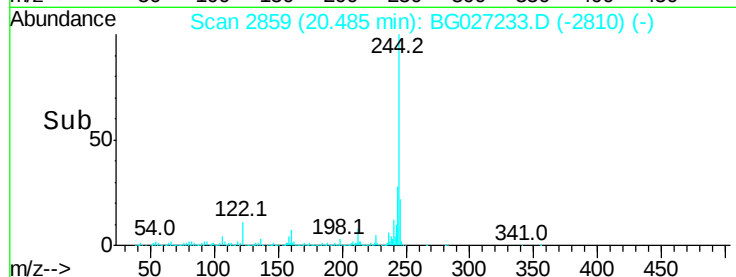
122 11.0 8.6 12.8



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: 26.00 min Scan# 3797

Delta R.T. -0.03 min

Lab File: BG027233.D

Acq: 6 Jun 2017 4:25

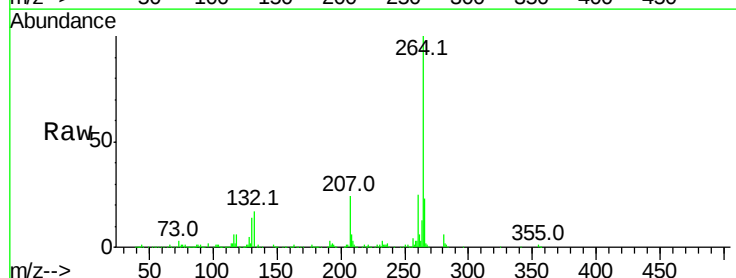
Tgt Ion:264 Resp: 399840

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.6  | 21.8  | 32.8  |
| 265 | 22.8  | 18.2  | 27.4  |

264 100

260 24.6 21.8 32.8

265 22.8 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

