

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060617\  
 Data File : BG027269.D  
 Acq On : 7 Jun 2017 4:00  
 Operator : SJ/MA  
 Sample : I3393-01DL 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-01DL

Quant Time: Jun 07 07:10:29 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

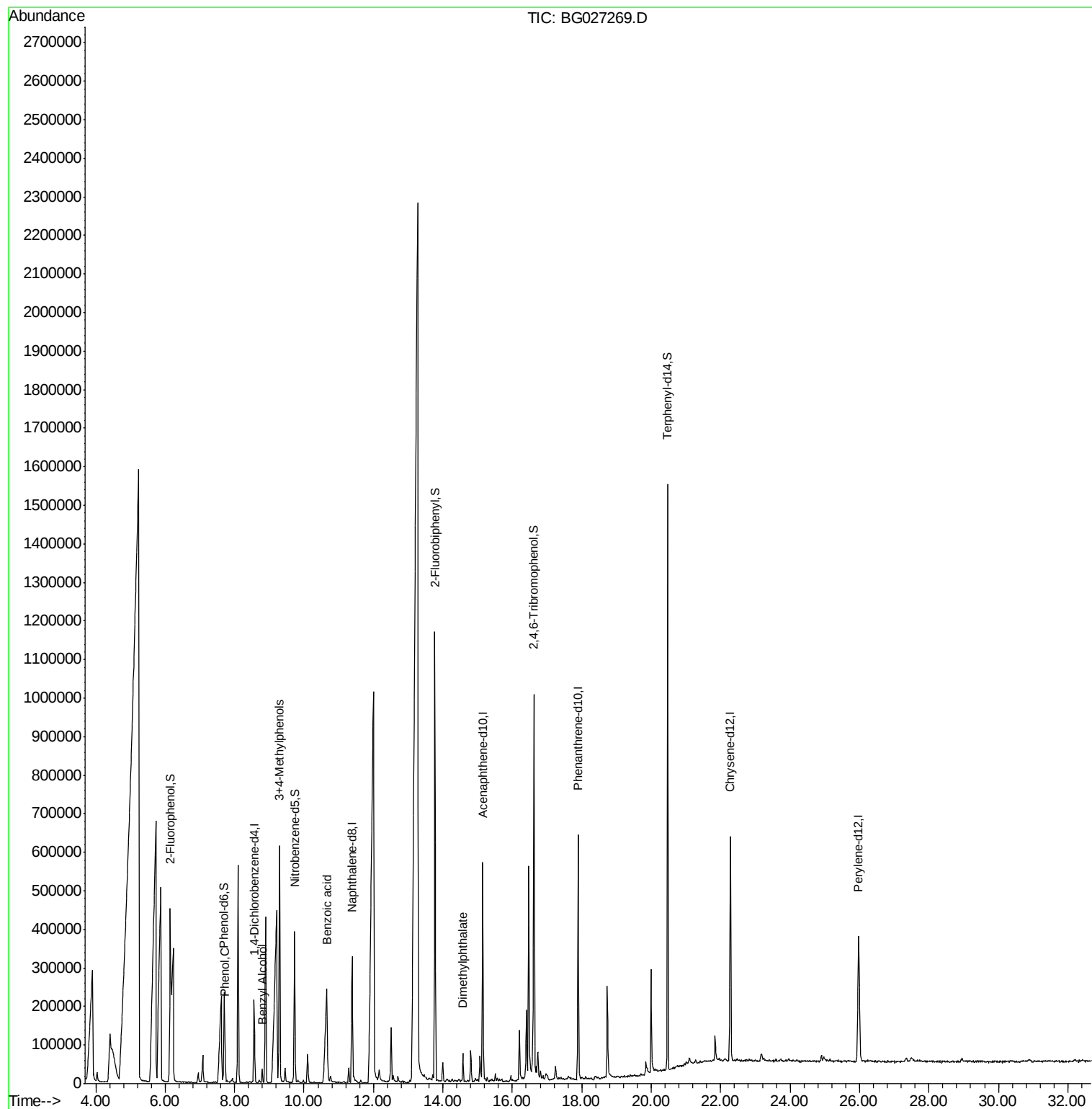
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 60571    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.39 | 136  | 295028   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 15.15 | 164  | 185672   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.90 | 188  | 398097   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.28 | 240  | 422054   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.97 | 264  | 396308   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.15  | 112  | 162759   | 41.00  | ng    | 0.00     |
| 7) Phenol-d6                | 7.70  | 99   | 152450   | 26.16  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.73  | 82   | 260644   | 55.56  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 180101   | 73.66  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.77 | 172  | 622067   | 46.87  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.47 | 244  | 716448   | 43.30  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.72  | 94   | 29319    | 4.920  | ng    | 79       |
| 15) Benzyl Alcohol          | 8.79  | 79   | 13972    | 3.403  | ng    | # 84     |
| 20) 3+4-Methylphenols       | 9.29  | 107  | 315027   | 53.994 | ng    | 80       |
| 32) Benzoic acid            | 10.66 | 122  | 176600   | 52.856 | ng    | # 84     |
| 49) Dimethylphthalate       | 14.58 | 163  | 51098    | 3.469  | ng    | 99       |

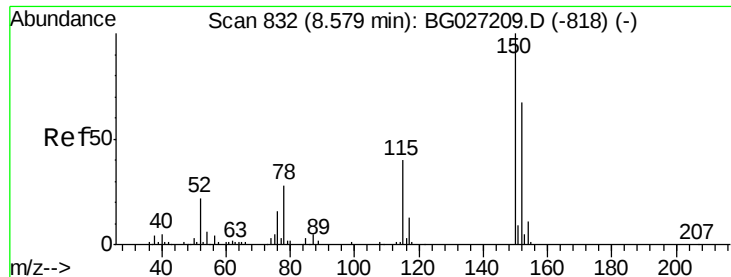
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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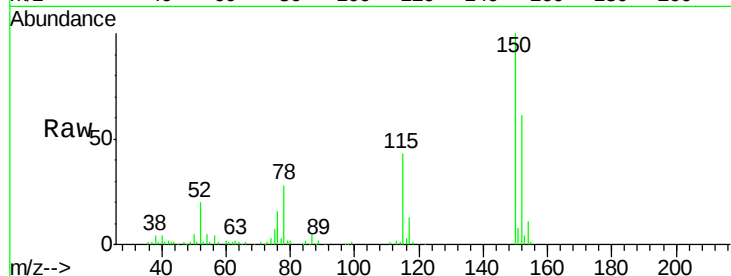


#1

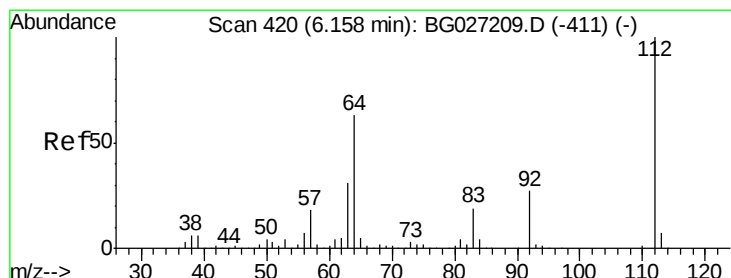
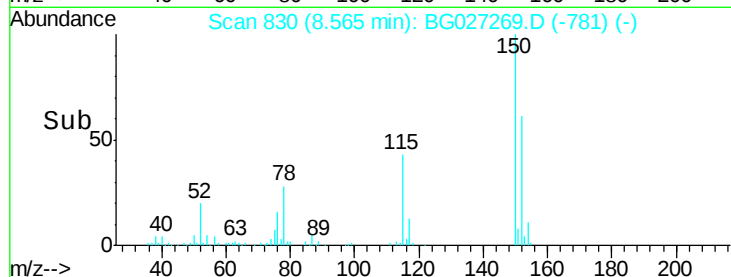
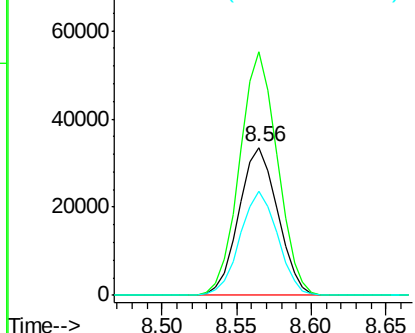
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.56 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BG027269.D  
Acq: 7 Jun 2017 4:00

Instrument :  
BNA\_G  
ClientSampleId :  
TW-01DL

Tgt Ion:152 Resp: 60571  
Ion Ratio Lower Upper  
152 100  
150 164.7 114.0 171.0  
115 70.8 48.1 72.1



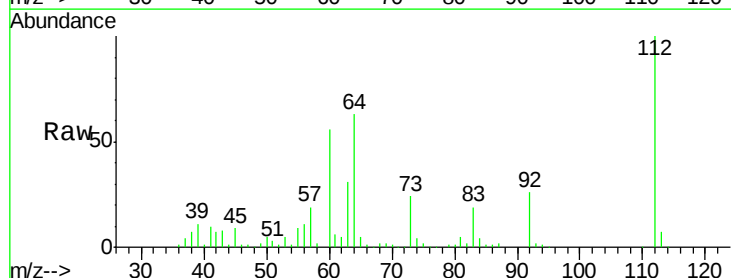
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



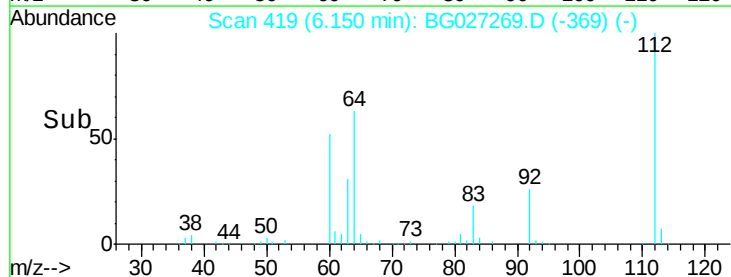
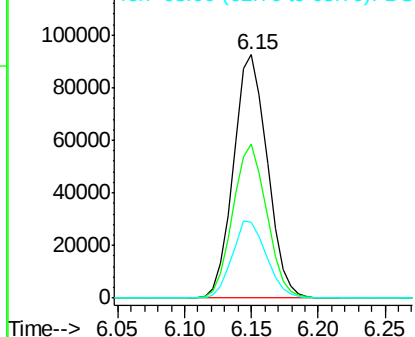
#5

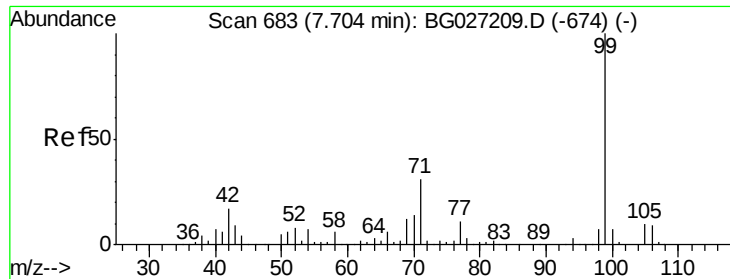
2-Fluorophenol  
Concen: 41.004 ng  
RT: 6.15 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG027269.D  
Acq: 7 Jun 2017 4:00

Tgt Ion:112 Resp: 162759  
Ion Ratio Lower Upper  
112 100  
64 63.3 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: 26.165 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

TW-01DL

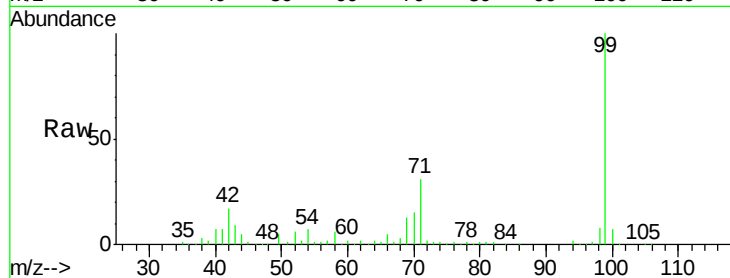
Tgt Ion: 99 Resp: 152450

Ion Ratio Lower Upper

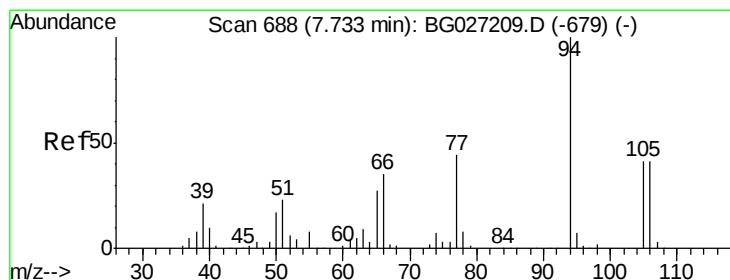
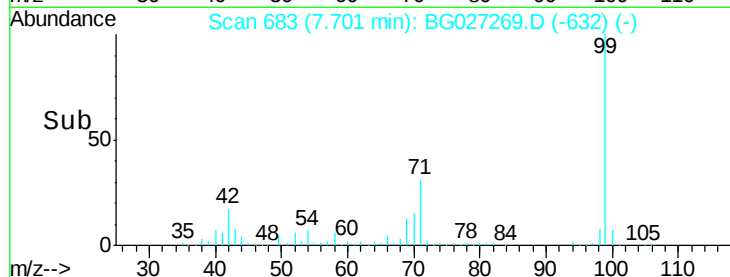
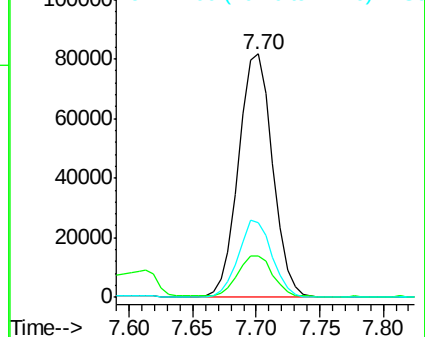
99 100

42 16.9 20.5 30.7#

71 30.8 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



#10

Phenol

Concen: 4.920 ng

RT: 7.72 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

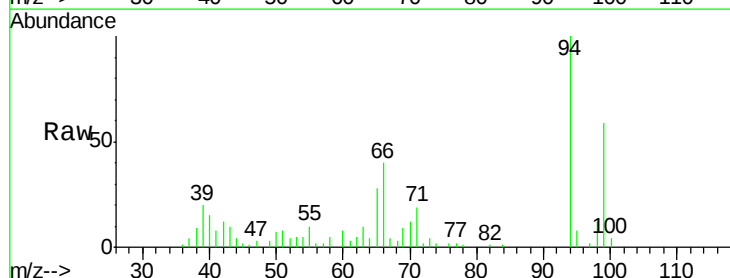
Tgt Ion: 94 Resp: 29319

Ion Ratio Lower Upper

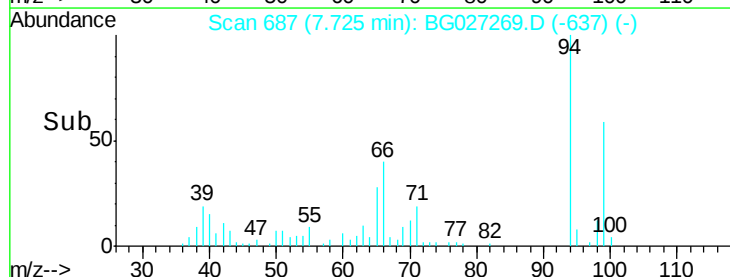
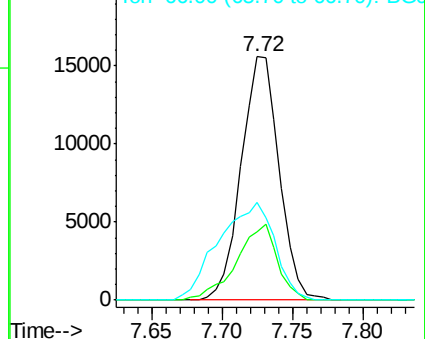
94 100

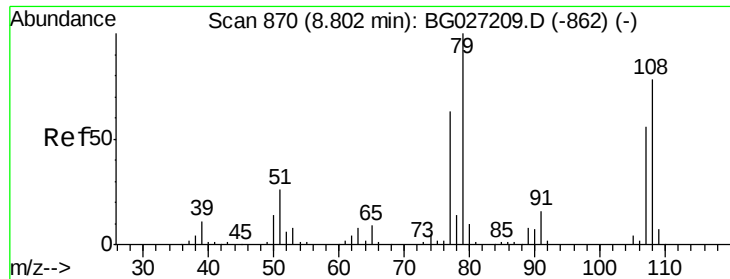
65 27.9 20.6 60.6

66 40.1 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 3.403 ng

RT: 8.79 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

TW-01DL

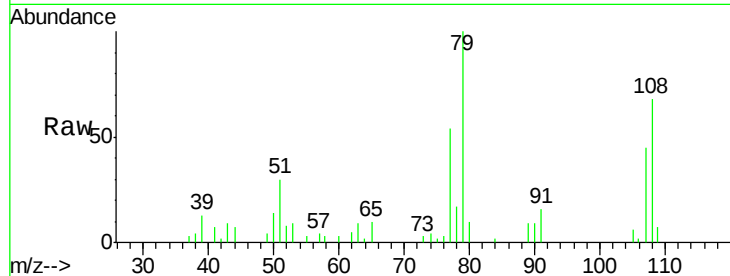
Tgt Ion: 79 Resp: 13972

Ion Ratio Lower Upper

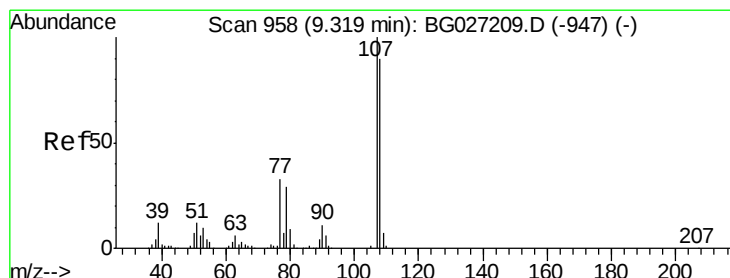
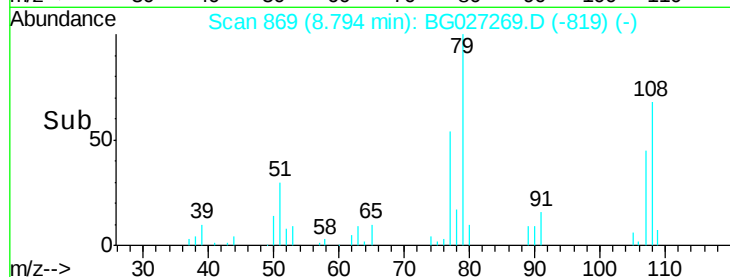
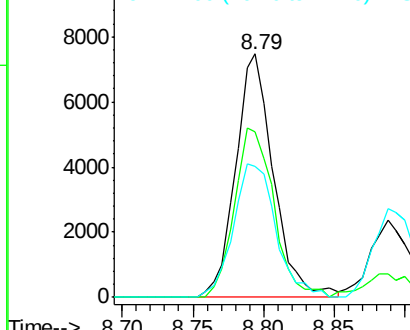
79 100

108 68.0 45.5 68.3

77 53.7 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



#20

3+4-Methylphenols

Concen: 53.994 ng

RT: 9.29 min Scan# 954

Delta R.T. -0.03 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Tgt Ion: 107 Resp: 315027

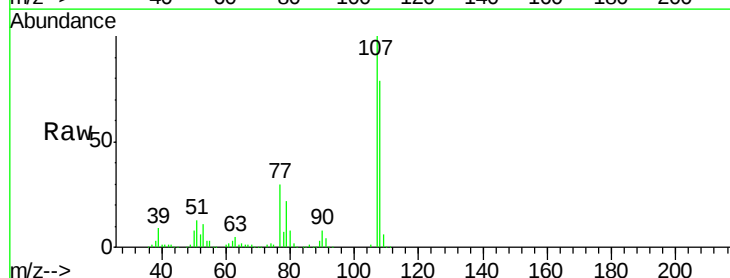
Ion Ratio Lower Upper

107 100

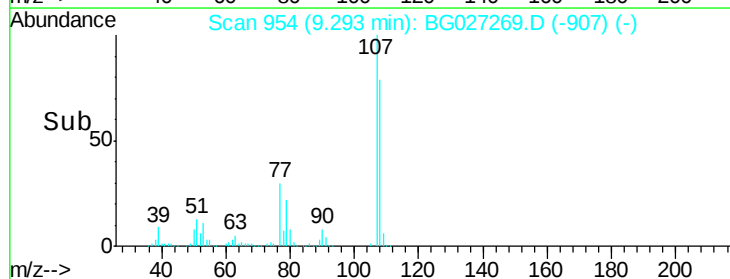
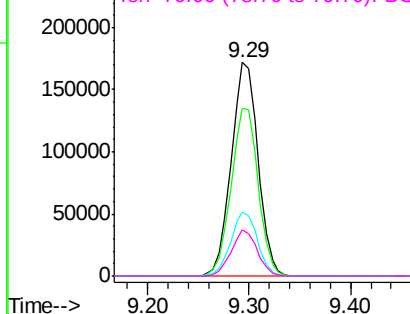
108 78.6 70.8 110.8

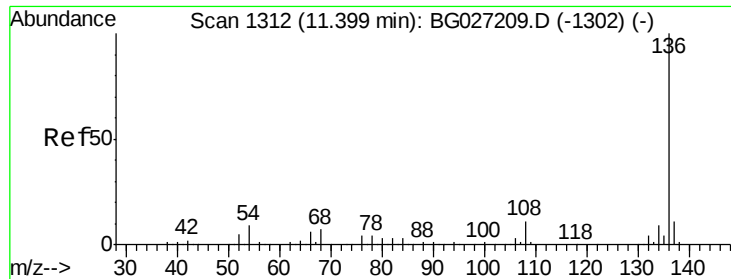
77 29.7 25.8 65.8

79 21.6 20.1 60.1



Abundance Ion 107.00 (106.70 to 107.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

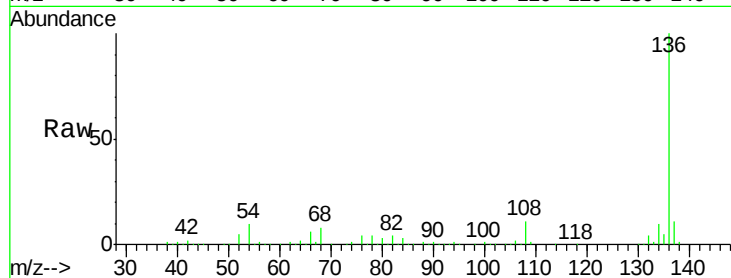




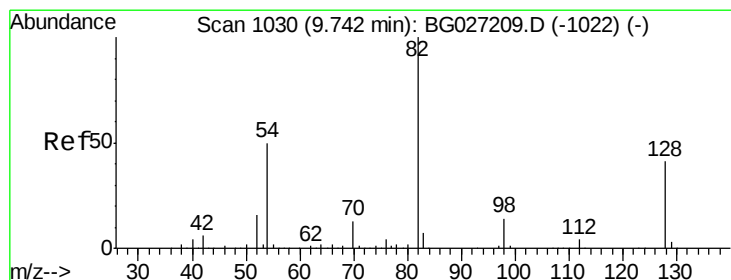
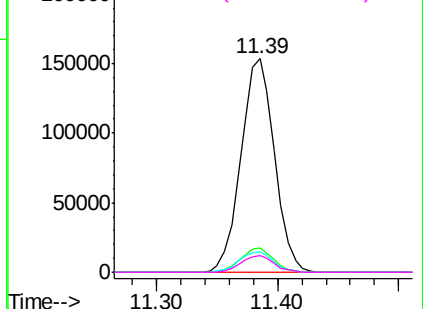
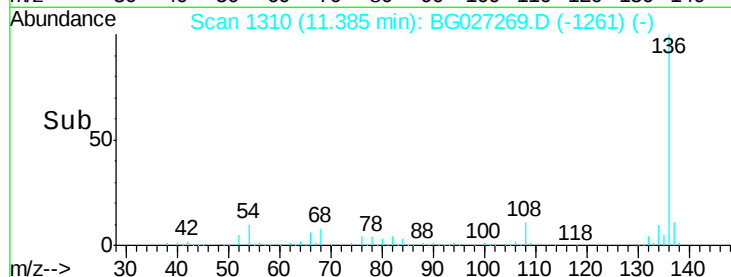
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BG027269.D  
Acq: 7 Jun 2017 4:00

Instrument :  
BNA\_G  
ClientSampleId :  
TW-01DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 295028 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 9.7   | 9.3   | 13.9   |
| 68       | 7.7   | 5.1   | 7.7    |

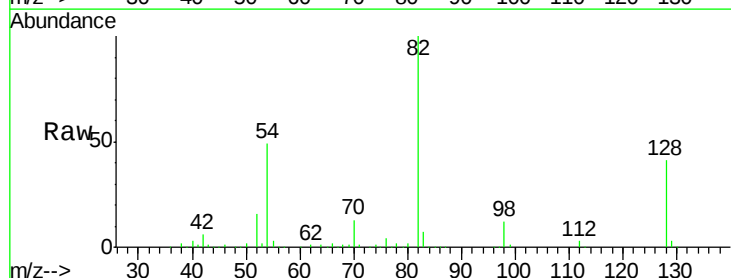


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

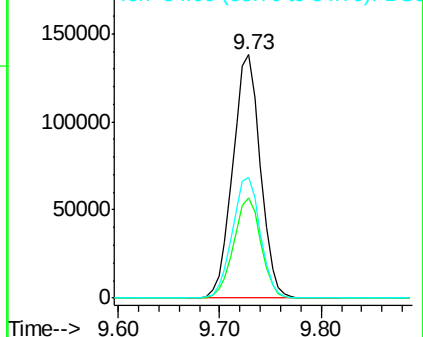
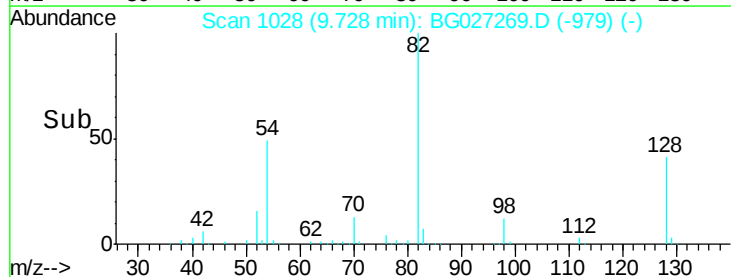


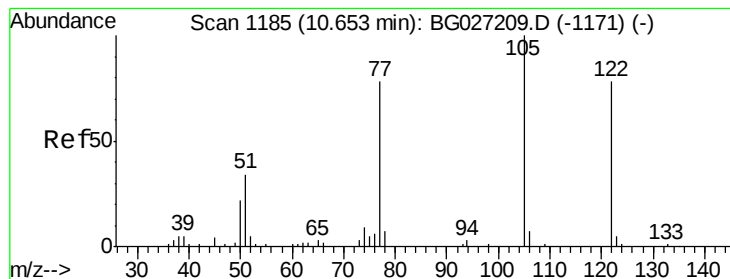
#23  
Nitrobenzene-d5  
Concen: 55.560 ng  
RT: 9.73 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG027269.D  
Acq: 7 Jun 2017 4:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 260644 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.0  | 26.4  | 39.6#  |
| 54       | 49.3  | 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





#32

Benzoic acid

Concen: 52.856 ng

RT: 10.66 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

TW-01DL

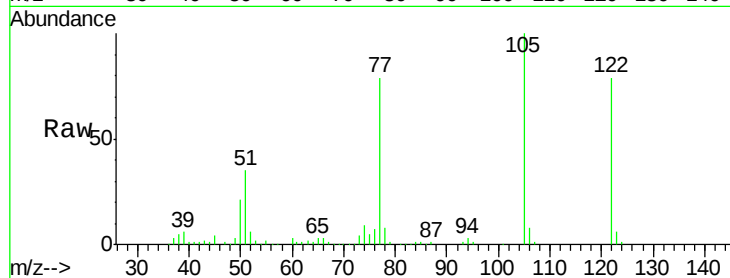
Tgt Ion:122 Resp: 176600

Ion Ratio Lower Upper

122 100

105 126.9 120.1 160.1

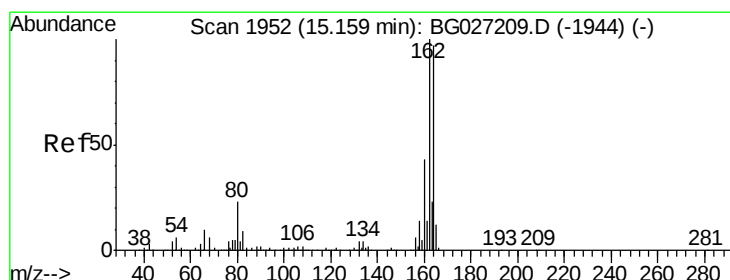
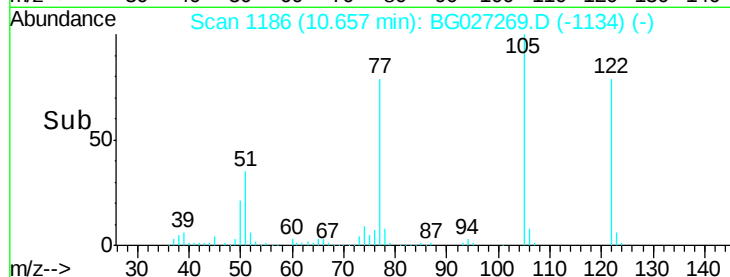
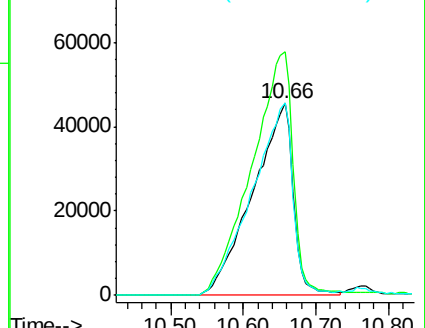
77 100.2 104.6 144.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.15 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

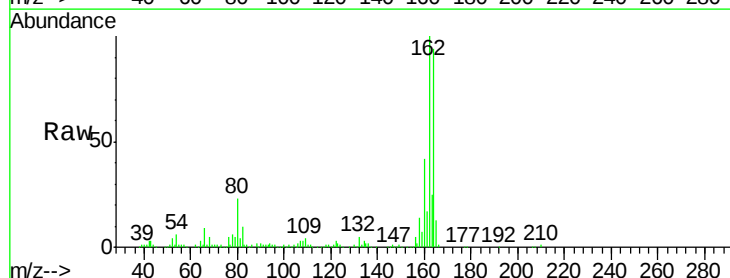
Tgt Ion:164 Resp: 185672

Ion Ratio Lower Upper

164 100

162 106.5 85.1 127.7

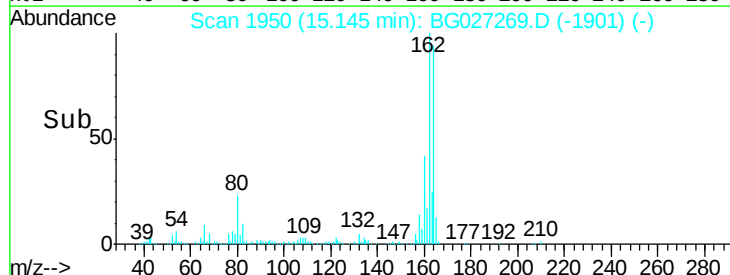
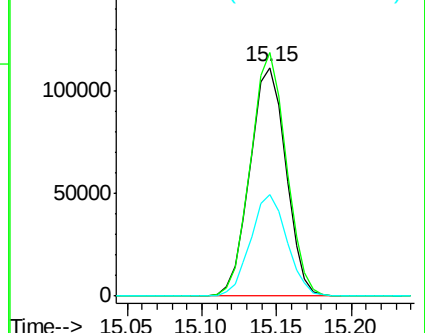
160 44.4 34.7 52.1

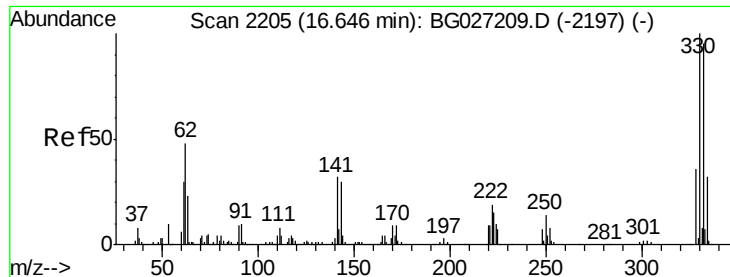


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

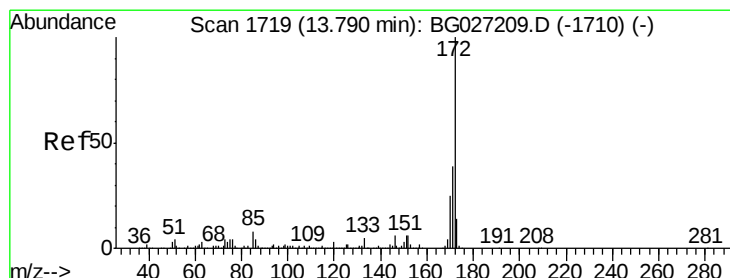
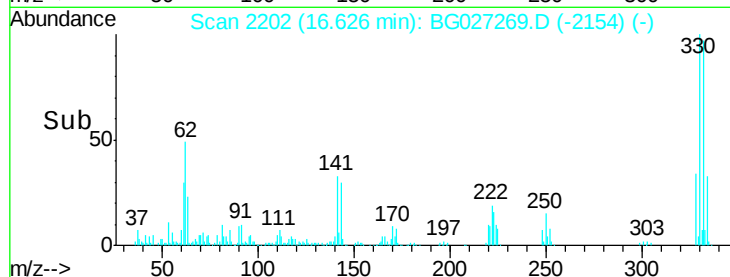
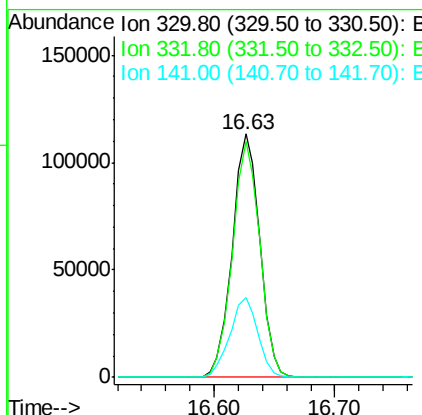
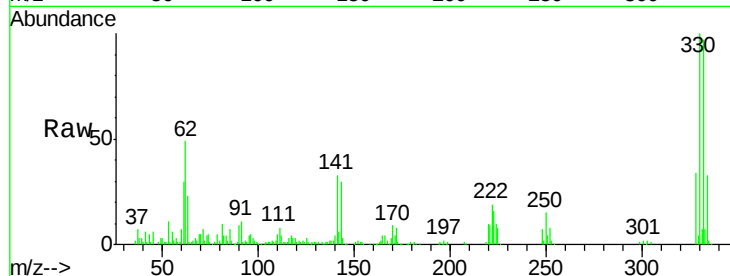




#41  
 2,4,6-Tribromophenol  
 Concen: 73.662 ng  
 RT: 16.63 min Scan# 2202  
 Delta R.T. -0.02 min  
 Lab File: BG027269.D  
 Acq: 7 Jun 2017 4:00

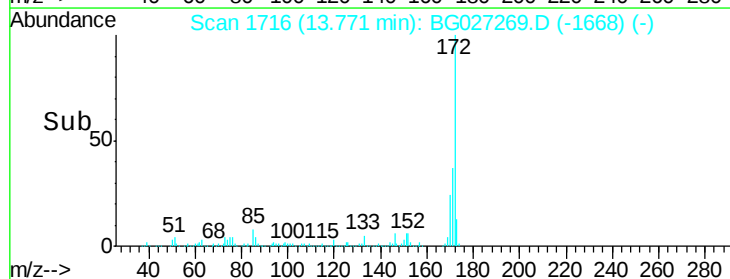
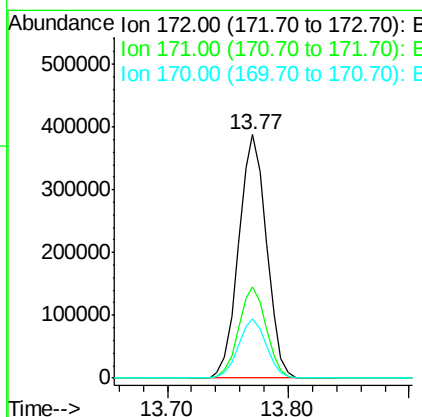
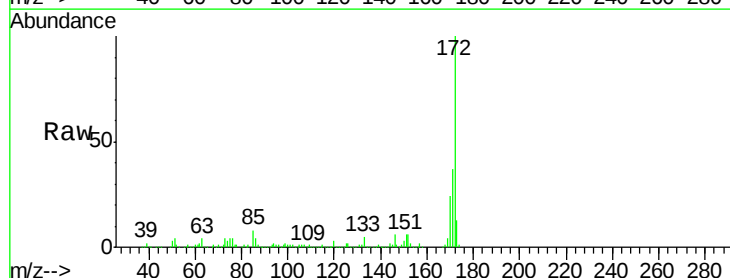
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-01DL

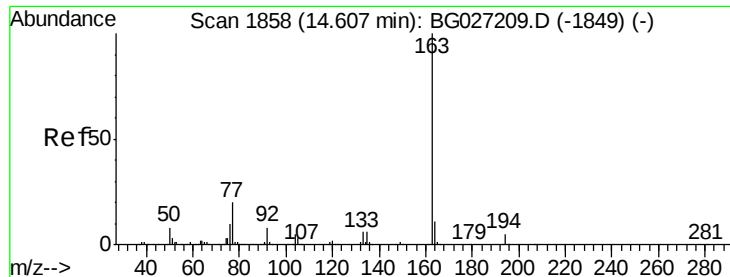
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.3  | 115.9 |
| 141     | 33.6  | 32.1  | 48.1  |



#44  
 2-Fluorobiphenyl  
 Concen: 46.871 ng  
 RT: 13.77 min Scan# 1716  
 Delta R.T. -0.02 min  
 Lab File: BG027269.D  
 Acq: 7 Jun 2017 4:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 32.2  | 48.2  |
| 170     | 24.3  | 21.8  | 32.6  |





#49

Dimethylphthalate

Concen: 3.469 ng

RT: 14.58 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

TW-01DL

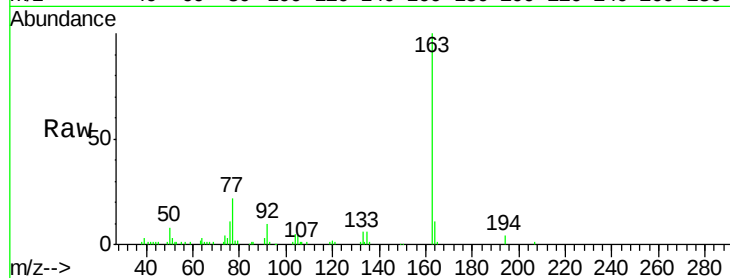
Tgt Ion:163 Resp: 51098

Ion Ratio Lower Upper

163 100

194 4.4 3.8 5.6

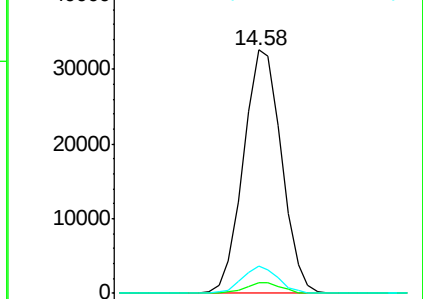
164 11.2 9.3 13.9



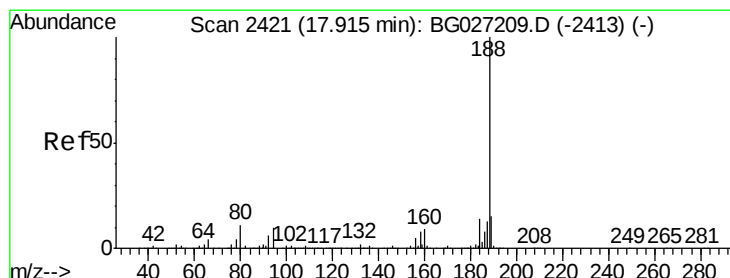
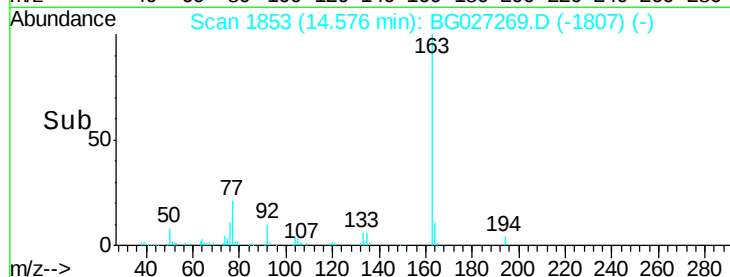
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 14.50 14.55 14.60 14.65



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.90 min Scan# 2418

Delta R.T. -0.02 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

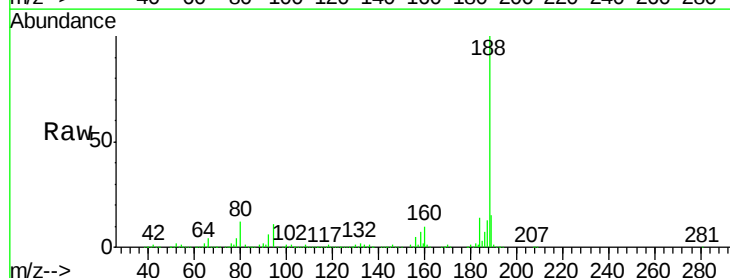
Tgt Ion:188 Resp: 398097

Ion Ratio Lower Upper

188 100

94 10.7 5.8 8.8#

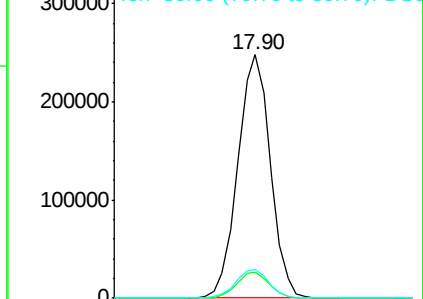
80 11.5 7.5 11.3#



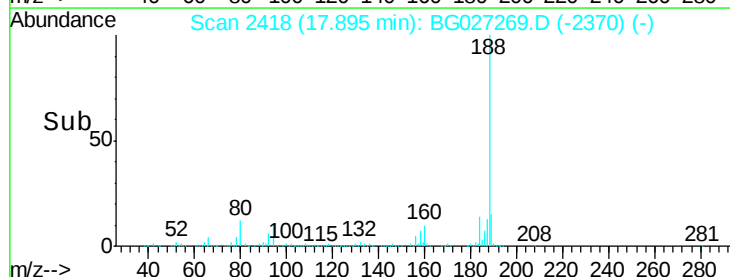
Abundance Ion 188.00 (187.70 to 188.70): E

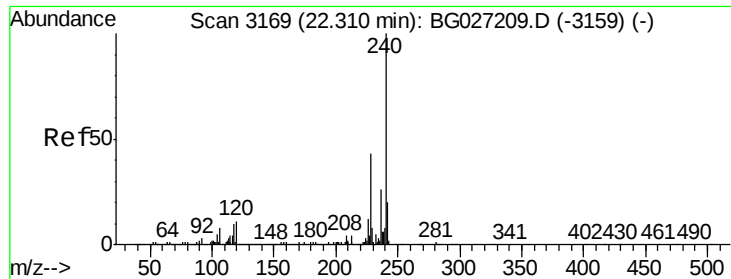
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.80 17.85 17.90 17.95





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.28 min Scan# 3165

Delta R.T. -0.03 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

Instrument :

BNA\_G

ClientSampleId :

TW-01DL

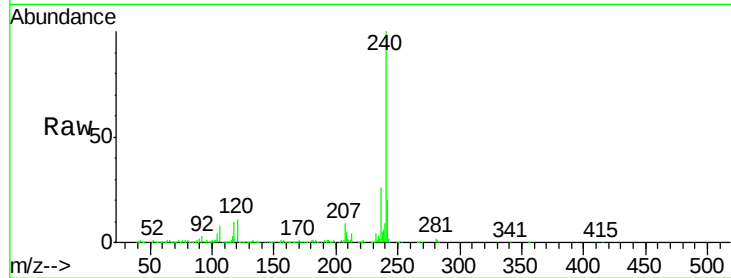
Tgt Ion:240 Resp: 422054

Ion Ratio Lower Upper

240 100

120 11.0 5.7 8.5#

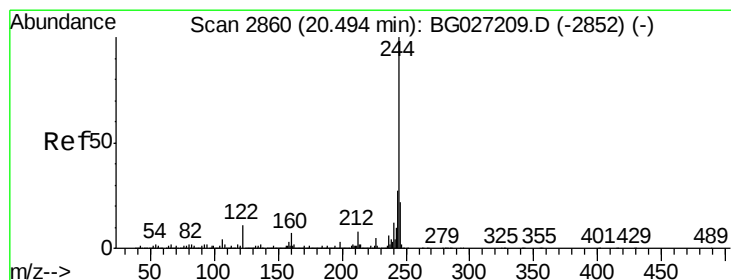
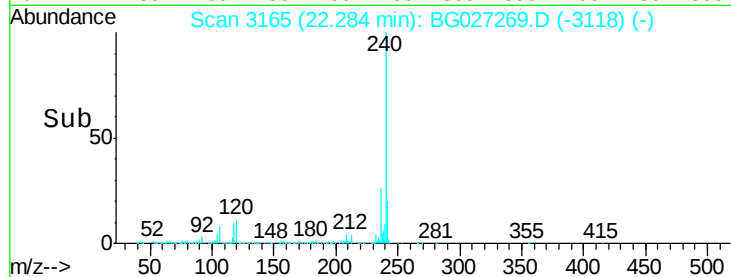
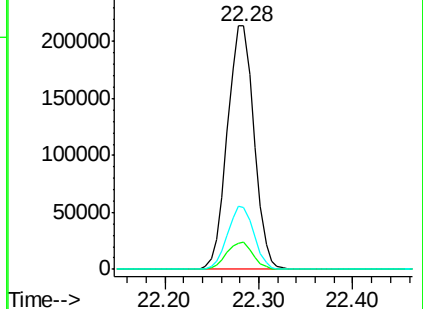
236 25.6 22.2 33.4



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: 43.304 ng

RT: 20.47 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG027269.D

Acq: 7 Jun 2017 4:00

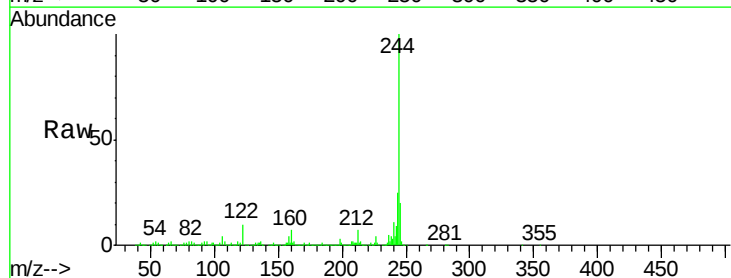
Tgt Ion:244 Resp: 716448

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

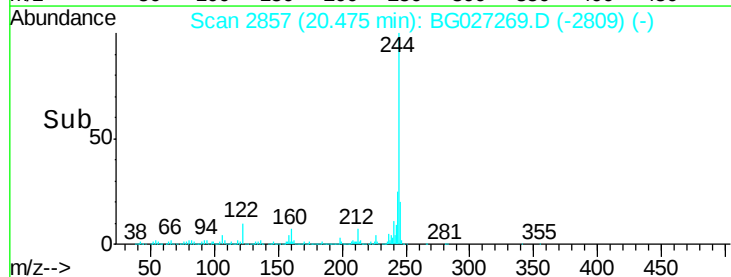
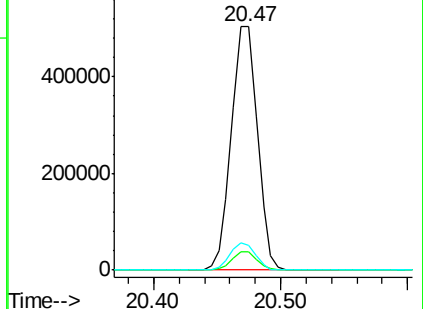
122 10.2 8.6 12.8

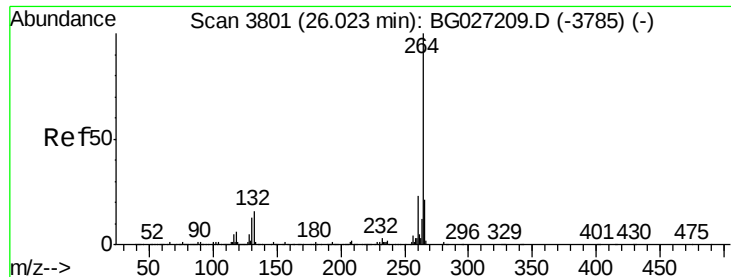


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

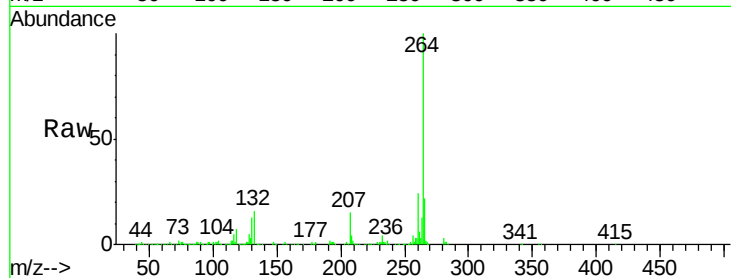




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.97 min Scan# 3793  
Delta R.T. -0.05 min  
Lab File: BG027269.D  
Acq: 7 Jun 2017 4:00

Instrument :  
BNA\_G  
ClientSampleId :  
TW-01DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 21.8  | 32.8  |
| 265     | 22.2  | 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

