

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060917\  
 Data File : BG027364.D  
 Acq On : 10 Jun 2017 2:02  
 Operator : SJ/MA  
 Sample : I3575-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 10 04:00:19 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

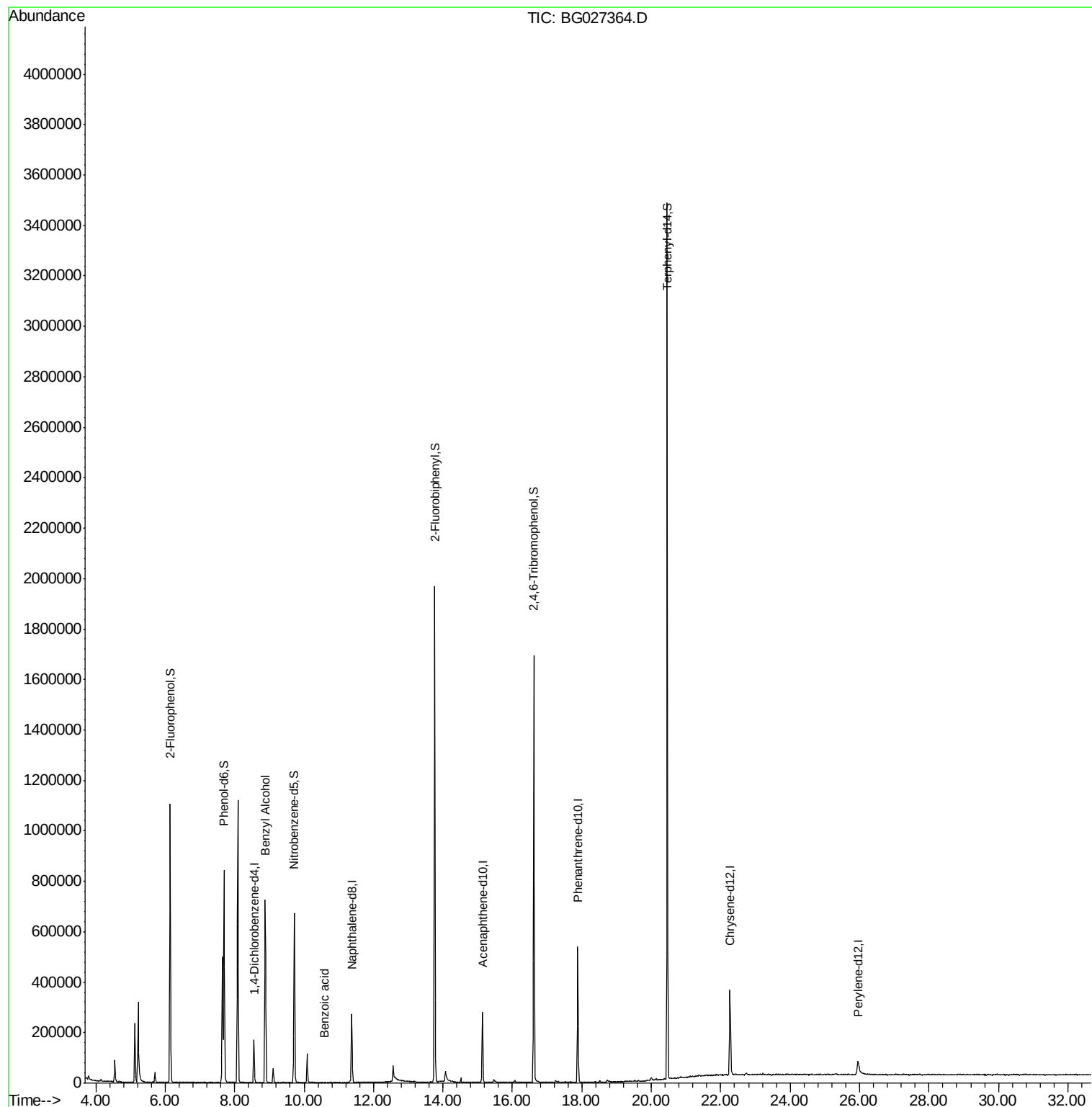
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 49163    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.37 | 136  | 234241   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 15.13 | 164  | 80271    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.88 | 188  | 316443   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 22.27 | 240  | 193183   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 25.96 | 264  | 42114    | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.14  | 112  | 494682   | 153.54 | ng    | -0.01    |
| 7) Phenol-d6                | 7.69  | 99   | 452752   | 95.74  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 454126   | 121.92 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 338754   | 320.48 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 1021721  | 178.07 | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.46 | 244  | 1395636  | 184.30 | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.88  | 79   | 7139     | 2.14   | ng    | # 47     |
| 32) Benzoic acid            | 10.57 | 122  | 64       | 8.04   | ng    | # 1      |

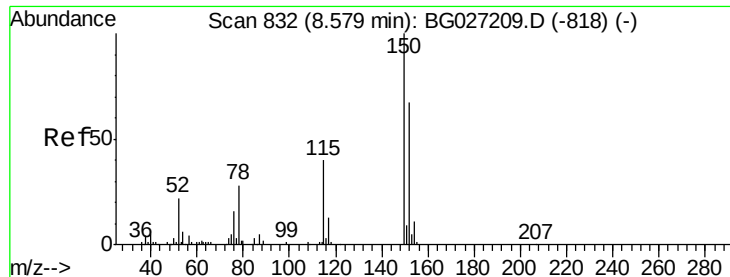
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

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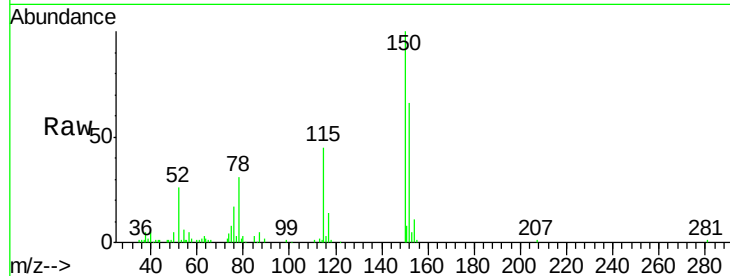


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.56 min Scan# 829  
Delta R.T. -0.02 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.5 | 114.0 | 171.0 |
| 115     | 68.1  | 48.1  | 72.1  |

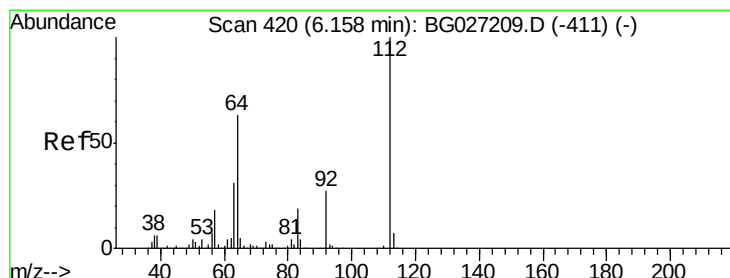
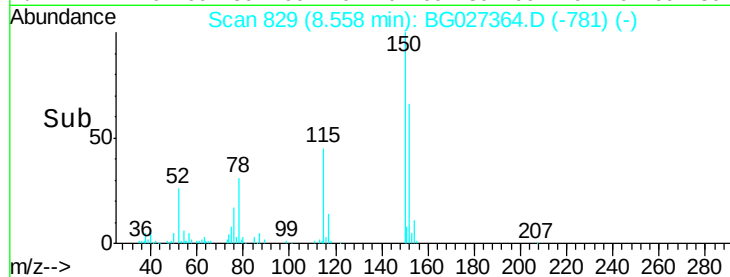
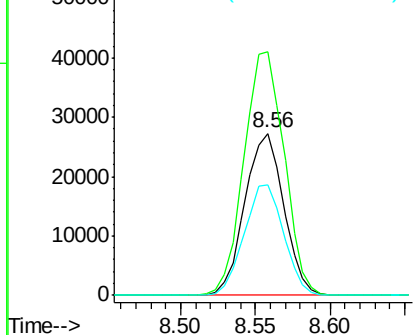


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

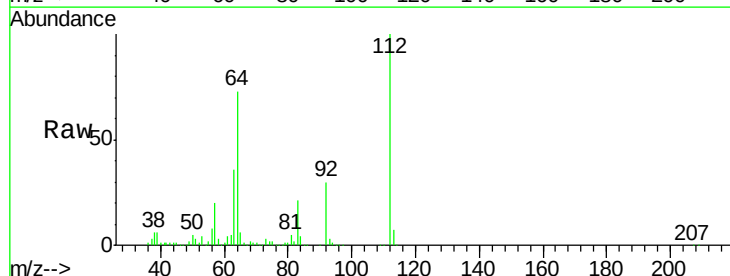
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 153.54 ng  
RT: 6.14 min Scan# 418  
Delta R.T. -0.01 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.8  | 61.8  | 92.6  |
| 63      | 36.4  | 37.2  | 55.8# |

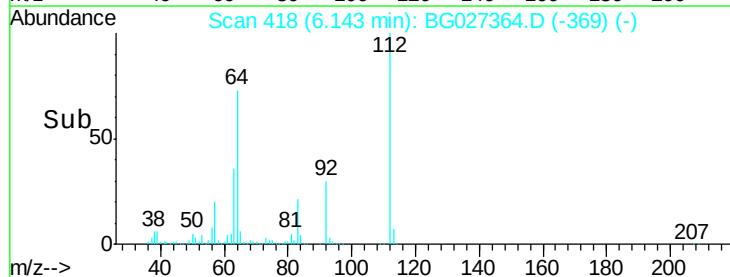
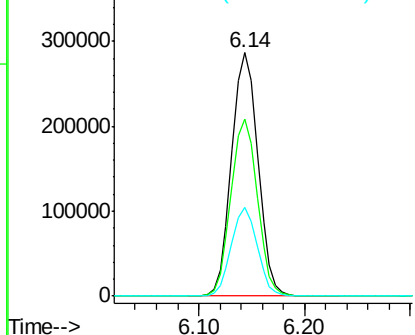


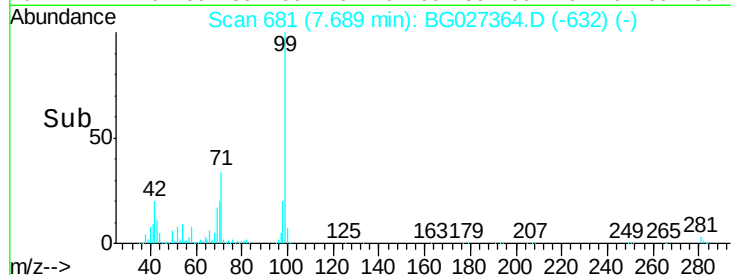
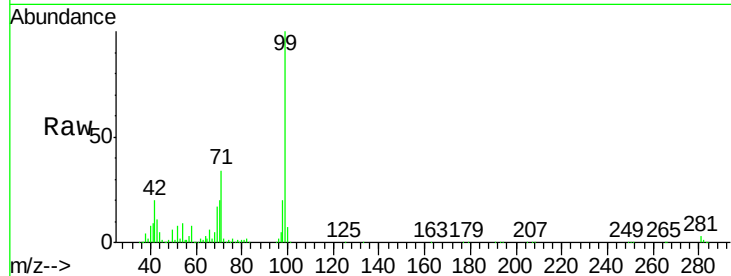
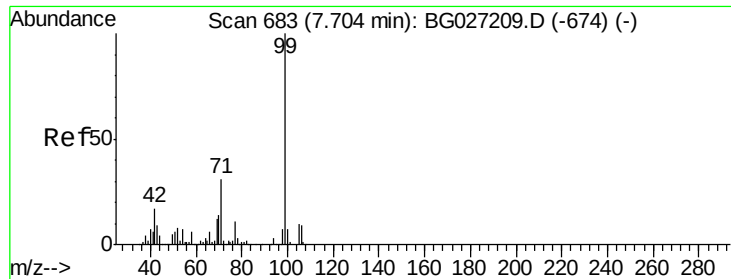
Abundance

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: 95.74 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027364.D

Acq: 10 Jun 2017 2:02

Instrument :

BNA\_G

ClientSampleId :

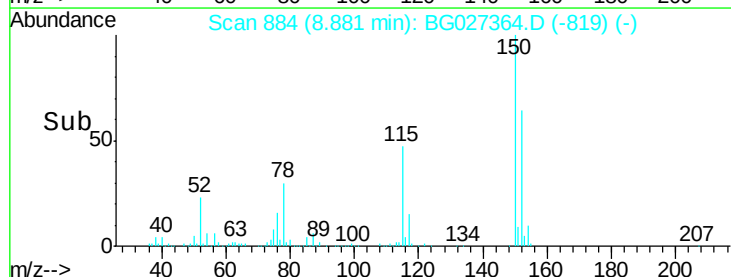
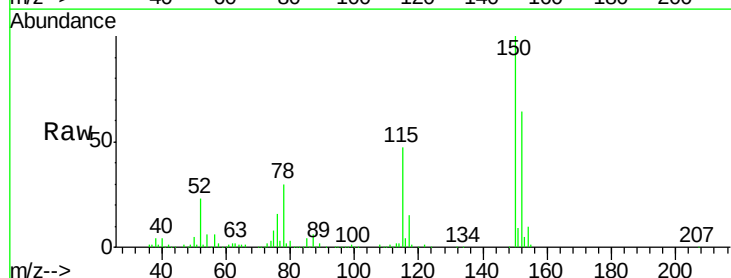
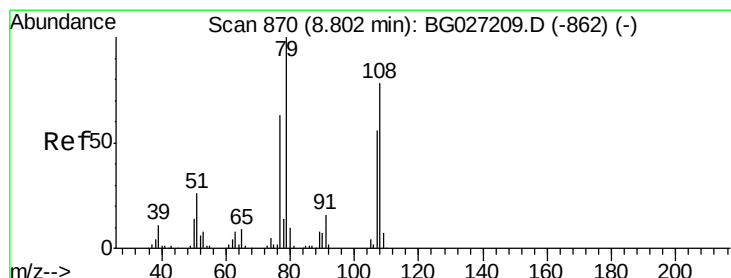
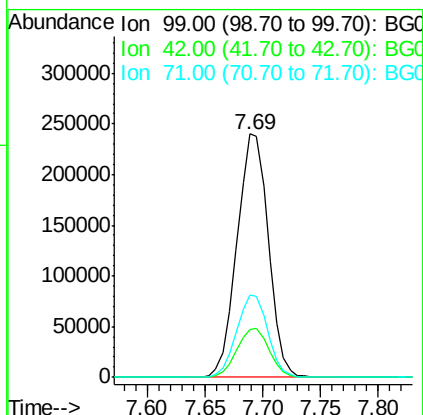
Tot Ion: 99 Resp: 452752

Ion Ratio Lower Upper

99 100

42 19.7 20.5 30.7#

71 34.1 37.6 56.4#



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 8.88 min Scan# 884

Delta R.T. 0.08 min

Lab File: BG027364.D

Acq: 10 Jun 2017 2:02

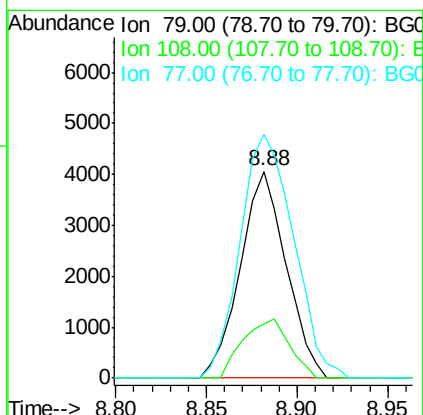
Tgt Ion: 79 Resp: 7139

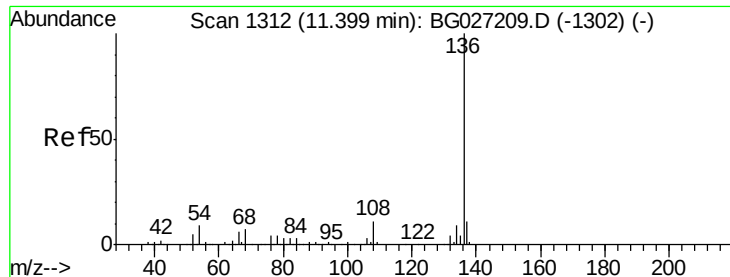
Ion Ratio Lower Upper

79 100

108 26.5 45.5 68.3#

77 117.8 54.3 81.5#

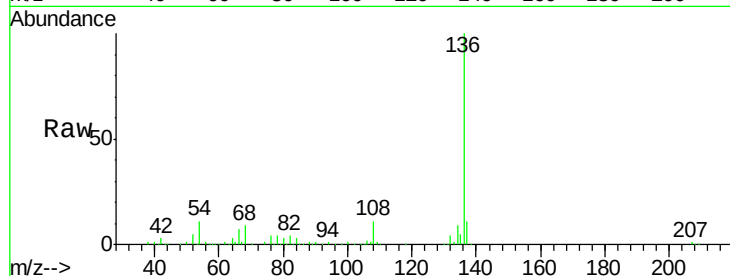




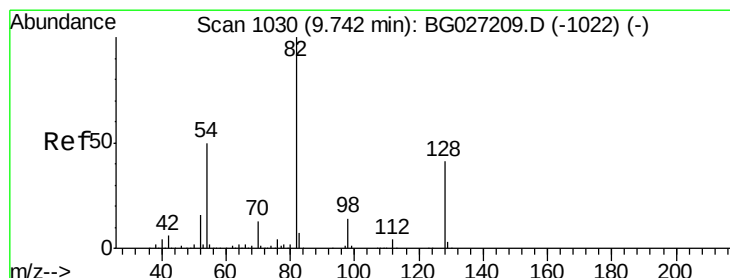
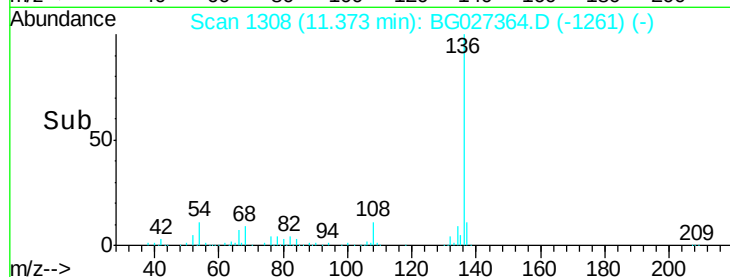
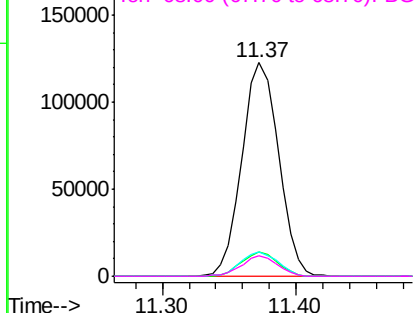
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.37 min Scan# 1308  
Delta R.T. -0.03 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 234241   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.9 13.3 |
| 54          | 11.4  | 9.3 13.9 |
| 68          | 9.4   | 5.1 7.7# |

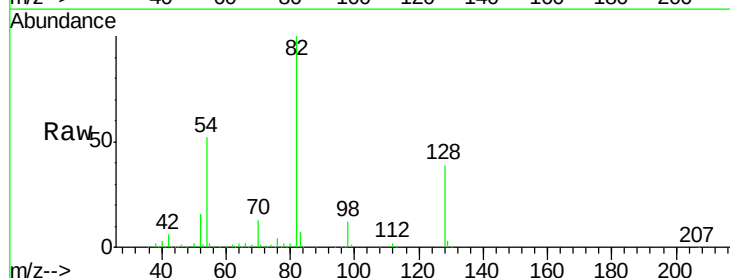


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

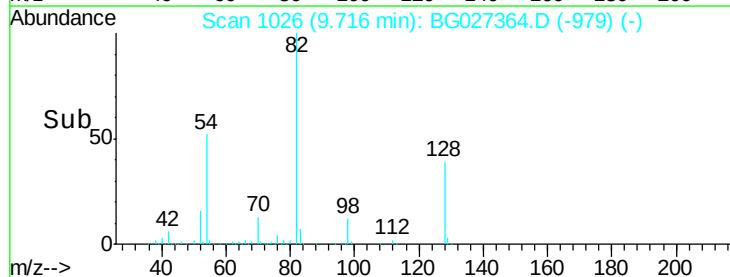
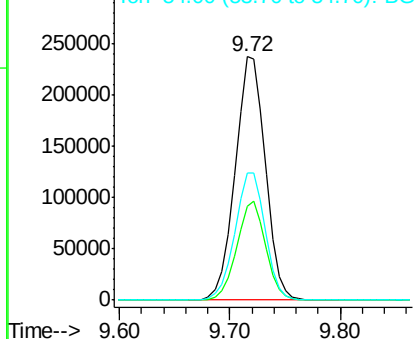


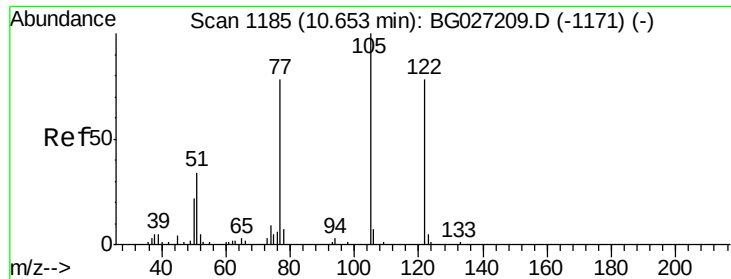
#23  
Nitrobenzene-d5  
Concen: 121.92 ng  
RT: 9.72 min Scan# 1026  
Delta R.T. -0.03 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 454126    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 38.6  | 26.4 39.6 |
| 54          | 52.1  | 49.4 74.2 |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 8.04 ng

RT: 10.57 min Scan# 1171

Delta R.T. -0.08 min

Lab File: BG027364.D

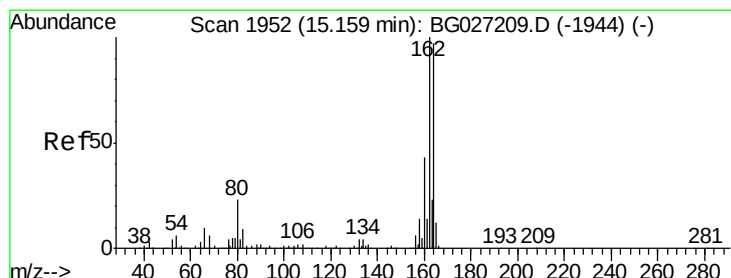
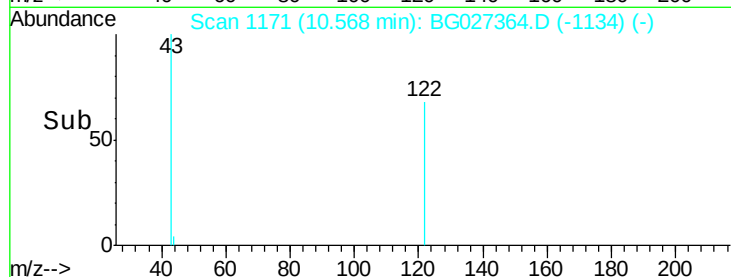
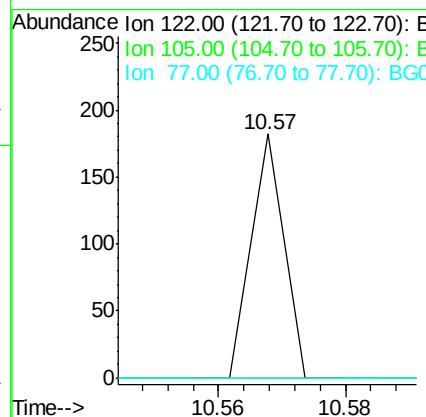
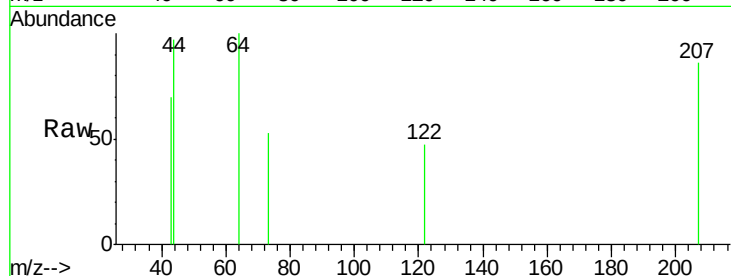
Acq: 10 Jun 2017 2:02

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 122   | Resp: | 64     |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 105      | 0.0   | 120.1 | 160.1# |
| 77       | 0.0   | 104.6 | 144.6# |



#38

Acenaphthene-d10

Concen: 20.00 ng

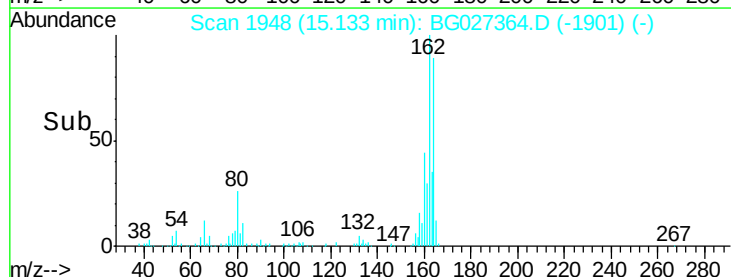
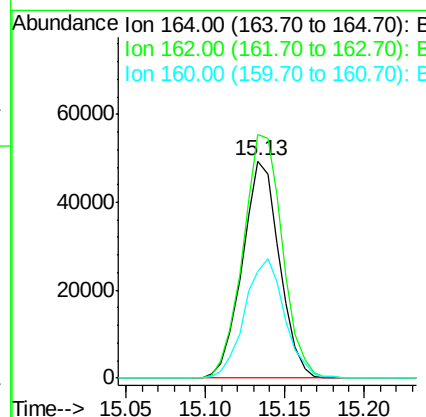
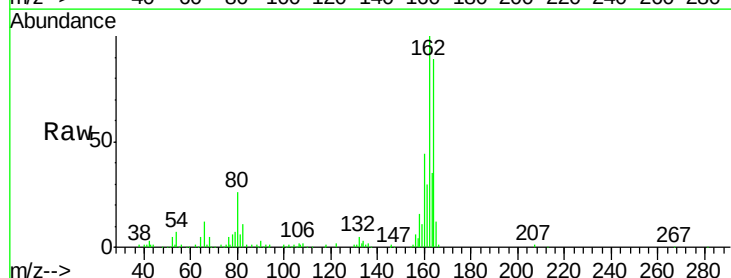
RT: 15.13 min Scan# 1948

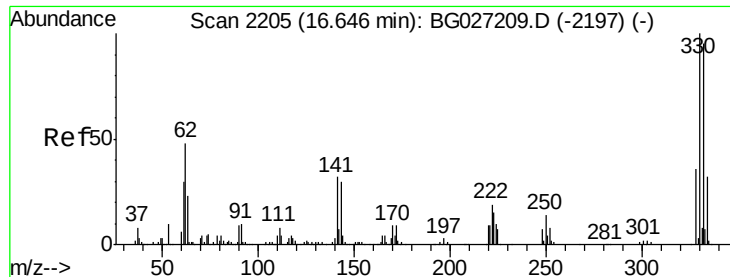
Delta R.T. -0.03 min

Lab File: BG027364.D

Acq: 10 Jun 2017 2:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 80271 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 112.3 | 85.1  | 127.7 |
| 160      | 49.4  | 34.7  | 52.1  |

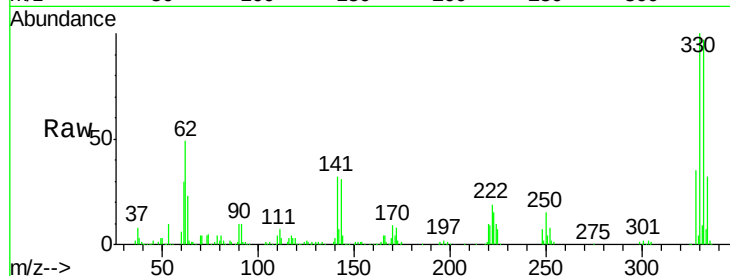




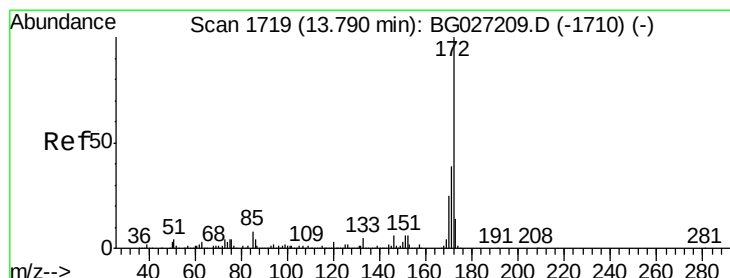
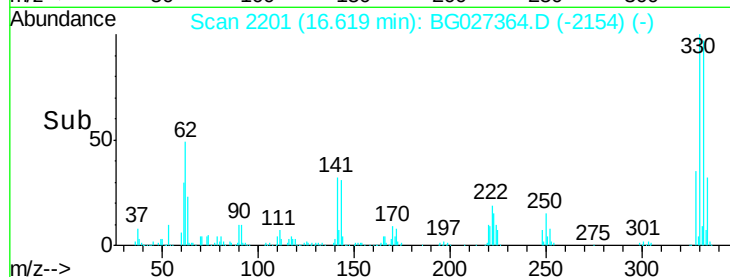
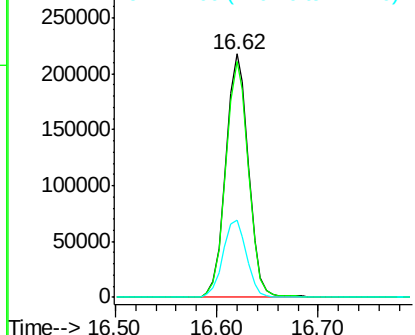
#41  
 2,4,6-Tribromophenol  
 Concen: 320.48 ng  
 RT: 16.62 min Scan# 2201  
 Delta R.T. -0.03 min  
 Lab File: BG027364.D  
 Acq: 10 Jun 2017 2:02

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.3  | 115.9 |
| 141     | 33.3  | 32.1  | 48.1  |

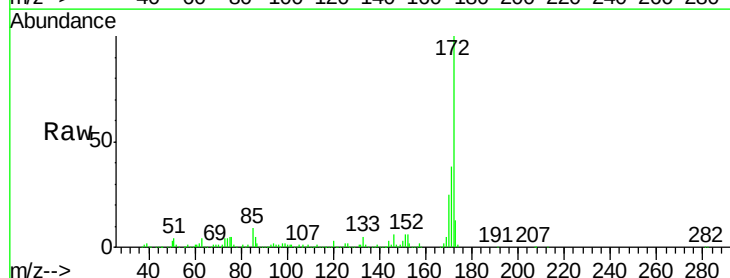


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

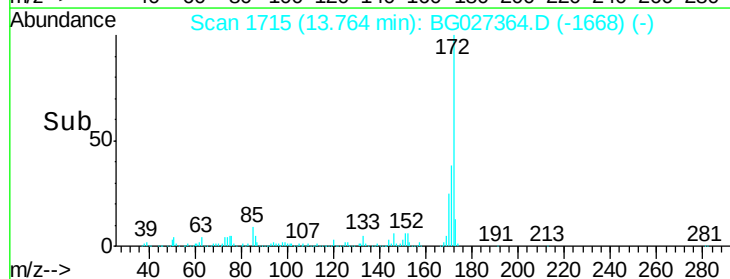
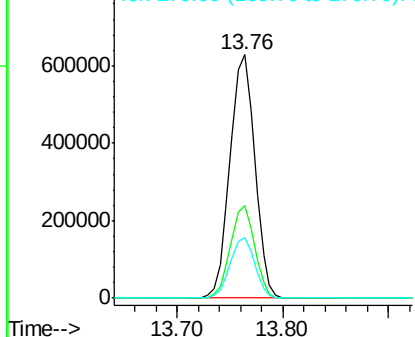


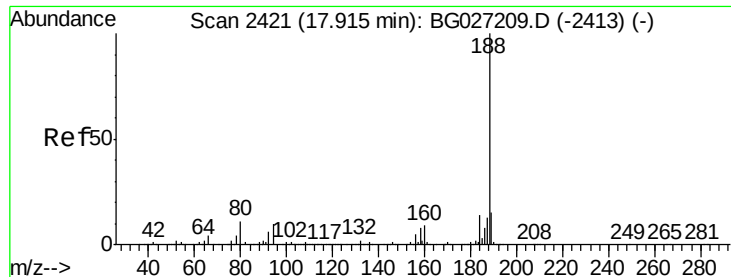
#44  
 2-Fluorobiphenyl  
 Concen: 178.07 ng  
 RT: 13.76 min Scan# 1715  
 Delta R.T. -0.03 min  
 Lab File: BG027364.D  
 Acq: 10 Jun 2017 2:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 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

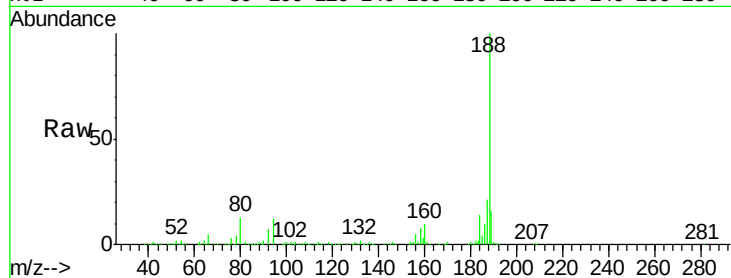




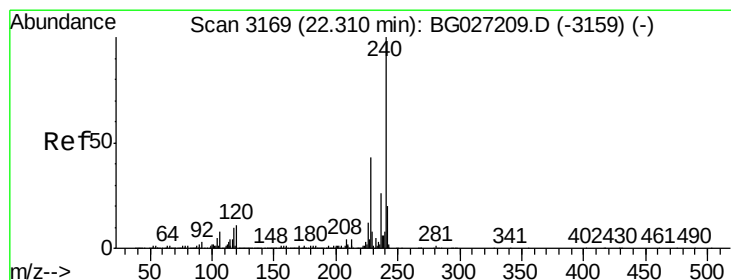
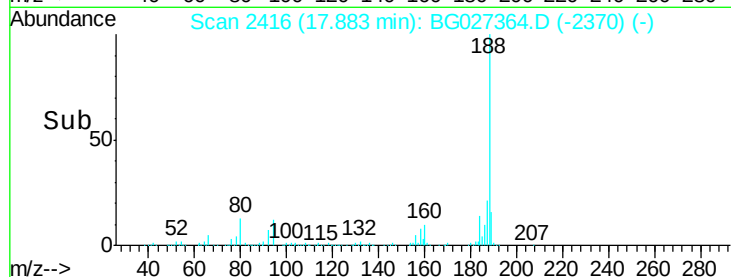
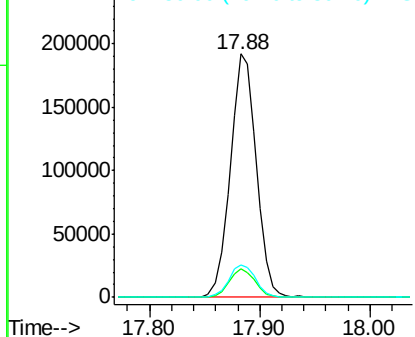
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.88 min Scan# 2416  
Delta R.T. -0.03 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 316443  
Ion Ratio Lower Upper  
188 100  
94 11.5 5.8 8.8#  
80 13.4 7.5 11.3#

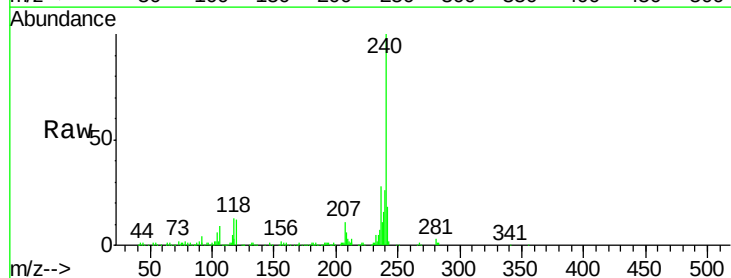


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

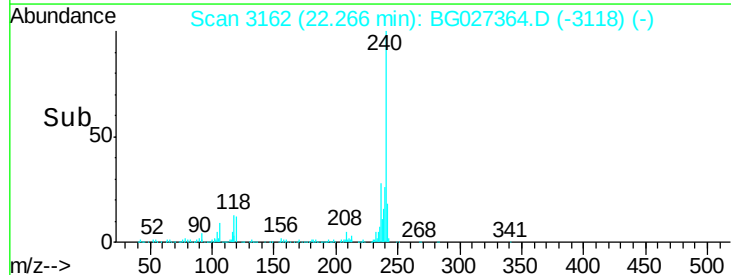
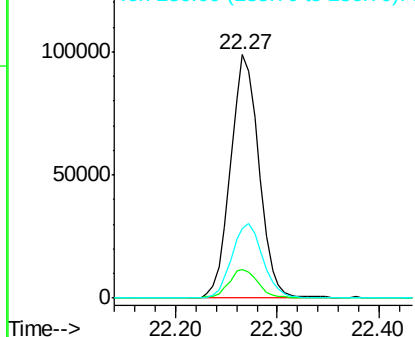


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.27 min Scan# 3162  
Delta R.T. -0.04 min  
Lab File: BG027364.D  
Acq: 10 Jun 2017 2:02

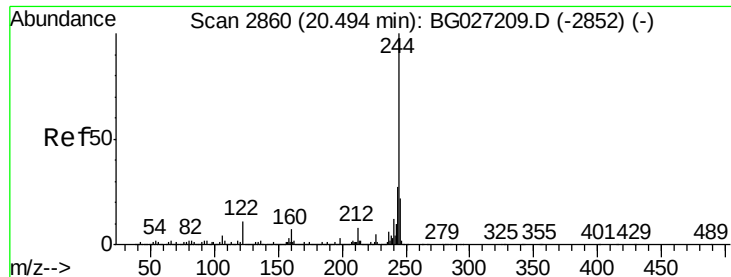
Tgt Ion:240 Resp: 193183  
Ion Ratio Lower Upper  
240 100  
120 11.9 5.7 8.5#  
236 28.5 22.2 33.4



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: 184.30 ng

RT: 20.46 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027364.D

Acq: 10 Jun 2017 2:02

Instrument :

BNA\_G

ClientSampled :

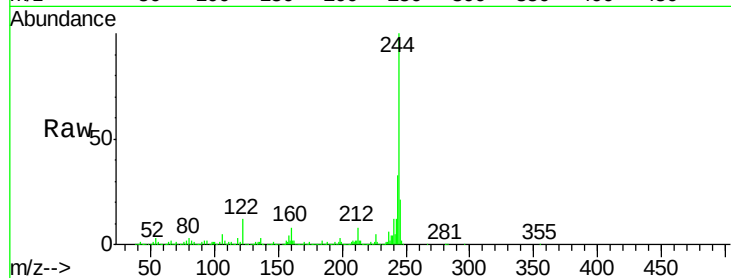
Tot Ion:244 Resp: 1395636

Ion Ratio Lower Upper

244 100

212 8.5 10.0 15.0#

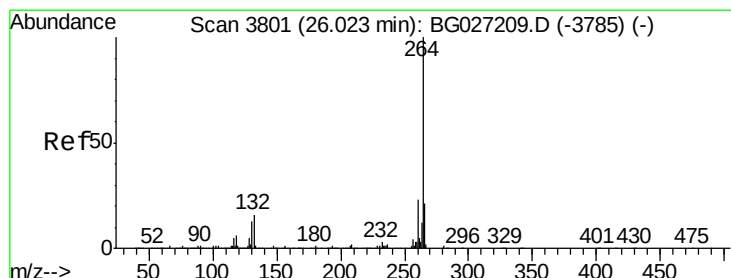
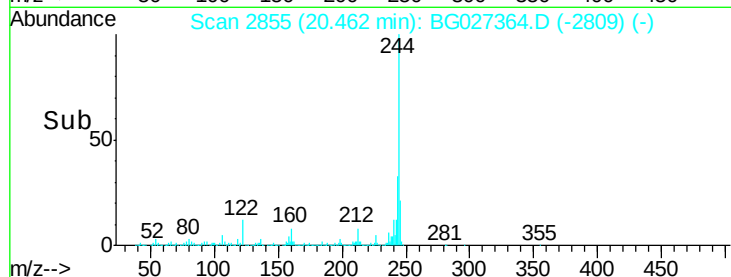
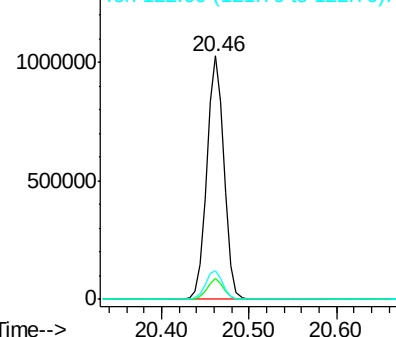
122 11.9 8.6 12.8



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: 25.96 min Scan# 3790

Delta R.T. -0.07 min

Lab File: BG027364.D

Acq: 10 Jun 2017 2:02

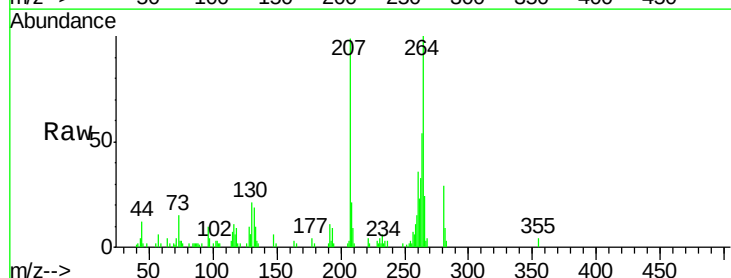
Tgt Ion:264 Resp: 42114

Ion Ratio Lower Upper

264 100

260 36.5 21.8 32.8#

265 23.8 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

