

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\  
 Data File : BG032675.D  
 Acq On : 14 Feb 2018 1:47  
 Operator : SJ/JU  
 Sample : PB106456TB  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB106456TB

Quant Time: Feb 14 03:57:11 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 12 18:08:01 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.68  | 152  | 29064    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.55 | 136  | 125627   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.31 | 164  | 91895    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.05 | 188  | 264316   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.37 | 240  | 356920   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.03 | 264  | 360189   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.12  | 112  | 219179   | 151.30 | ng    | 0.00     |
| 7) Phenol-d6                | 7.80  | 99   | 269921   | 136.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.88  | 82   | 166102   | 84.03  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.80 | 330  | 122228   | 86.38  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.94 | 172  | 590040   | 80.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.59 | 244  | 1347480  | 86.05  | ng    | 0.00     |

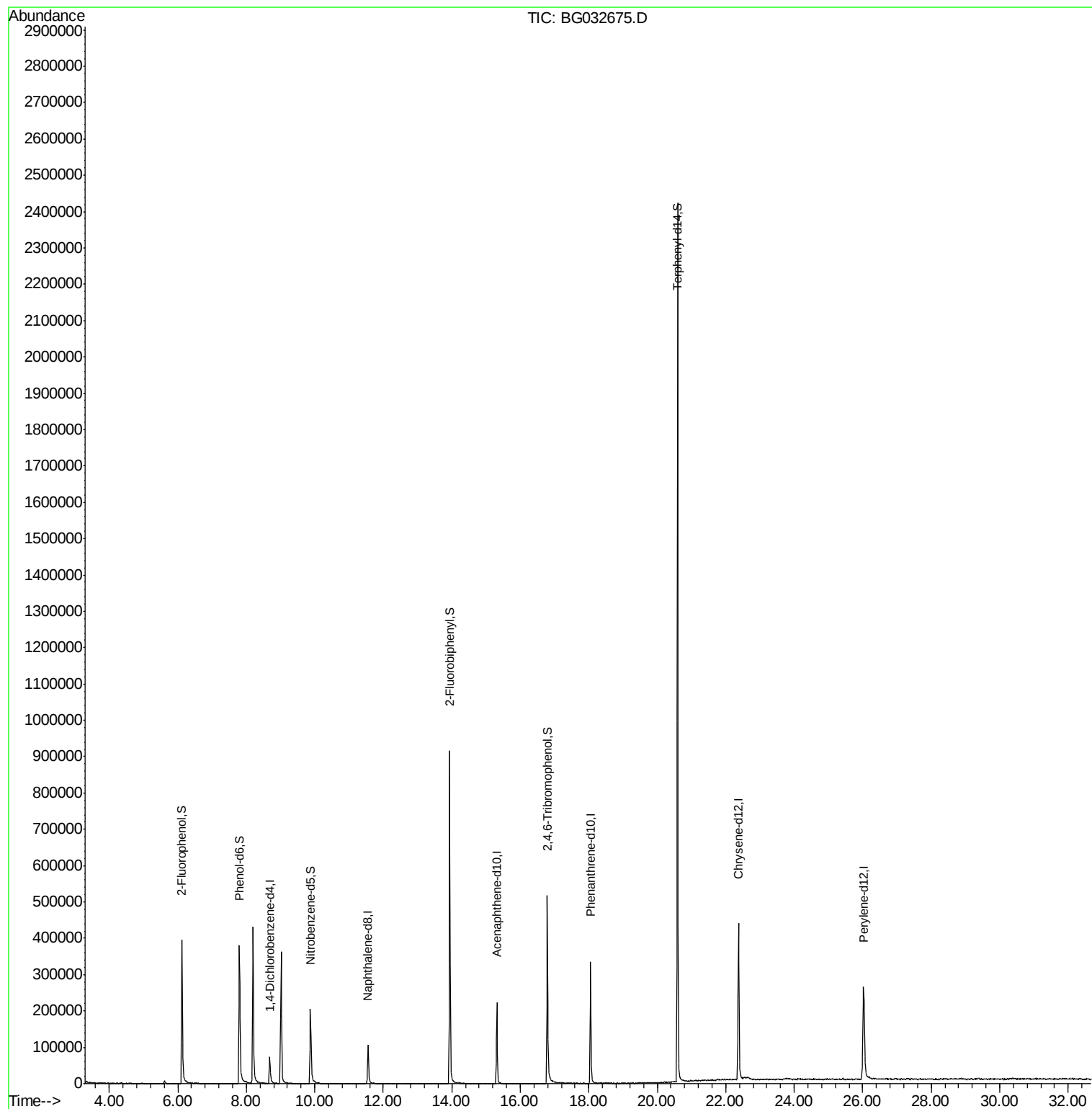
Target Compounds Qvalue

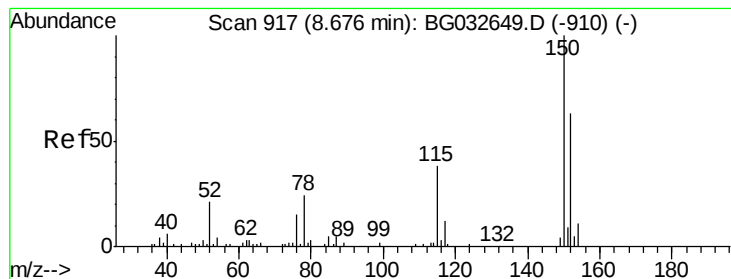
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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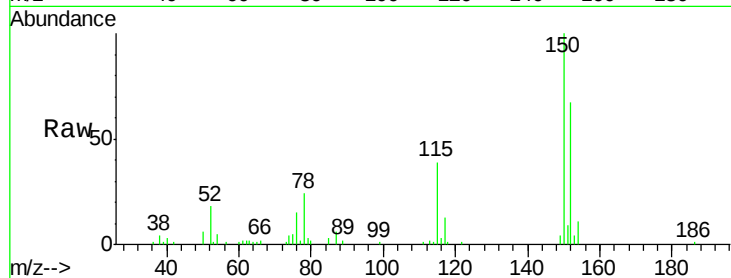


#1

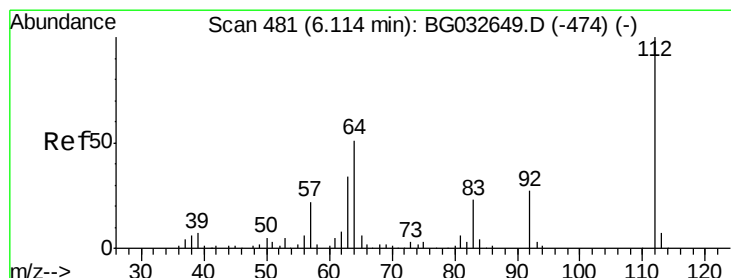
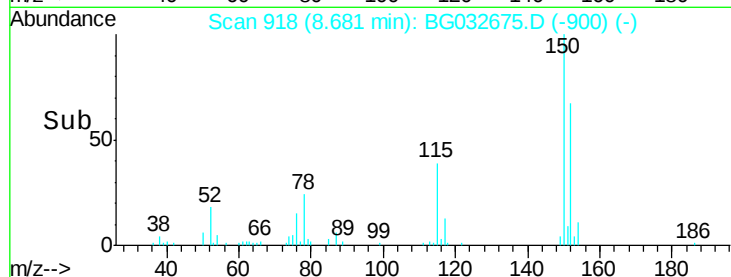
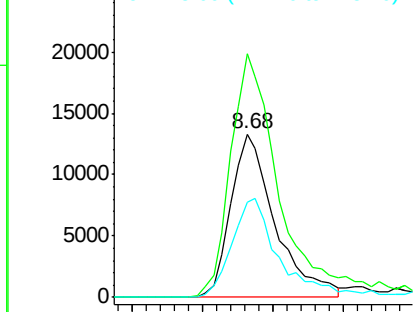
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.68 min Scan# 918  
Delta R.T. 0.01 min  
Lab File: BG032675.D  
Acq: 14 Feb 2018 1:47

Instrument :  
BNA\_G  
ClientSampleId :  
PB106456TB

| Tot Ion   | 152   | Resp  | 29064 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 149.3 | 126.6 | 189.8 |
| 115       | 58.1  | 53.0  | 79.4  |



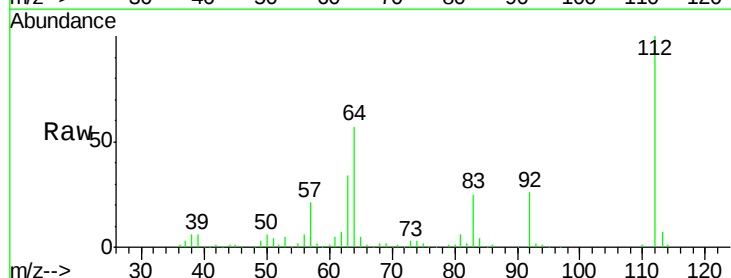
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



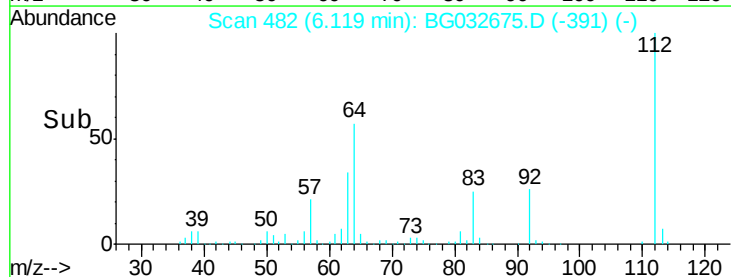
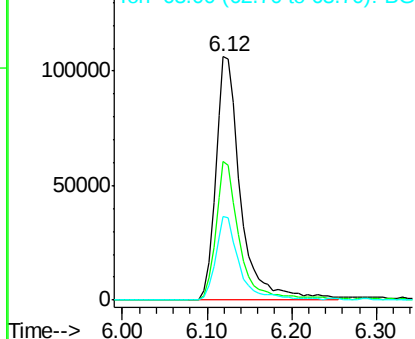
#5

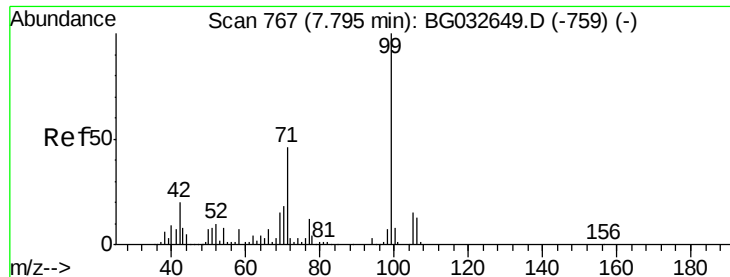
2-Fluorophenol  
Concen: 151.304 ng  
RT: 6.12 min Scan# 482  
Delta R.T. 0.01 min  
Lab File: BG032675.D  
Acq: 14 Feb 2018 1:47

| Tgt Ion   | 112   | Resp  | 219179 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.8  | 56.3  | 84.5   |
| 63        | 34.1  | 30.1  | 45.1   |



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: 136.268 ng

RT: 7.80 min Scan# 768

Delta R.T. 0.01 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

Instrument :

BNA\_G

ClientSampleId :

PB106456TB

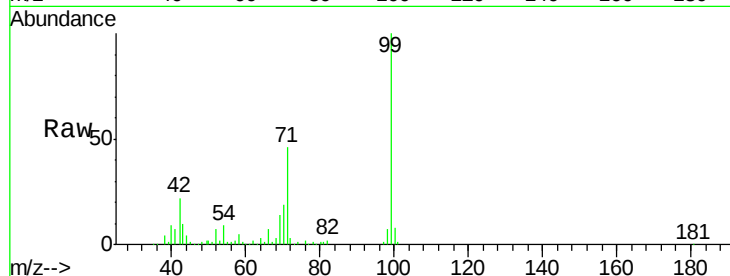
Tot Ion: 99 Resp: 269921

Ion Ratio Lower Upper

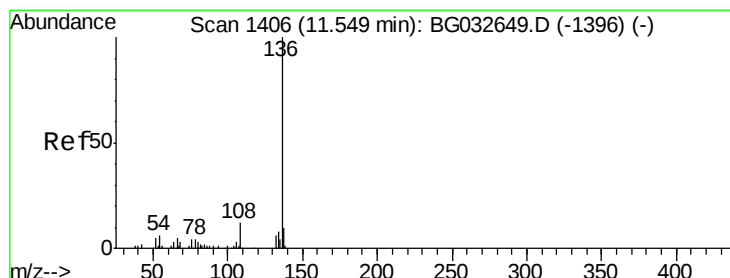
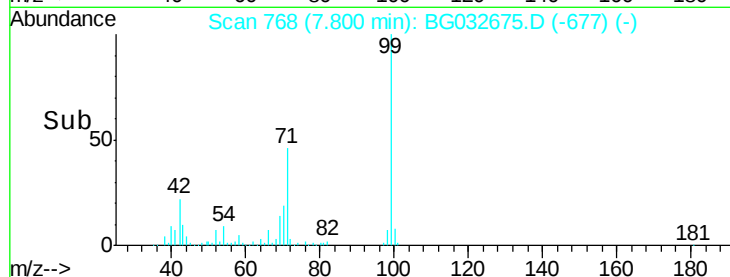
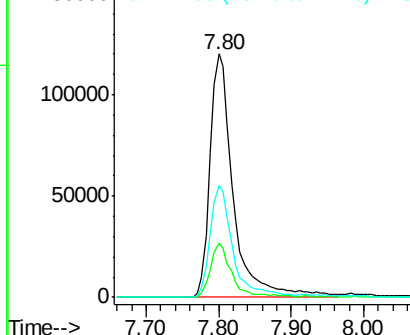
99 100

42 22.4 14.1 21.1#

71 45.7 26.1 39.1#



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: 20.000 ng

RT: 11.55 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

Tgt Ion: 136 Resp: 125627

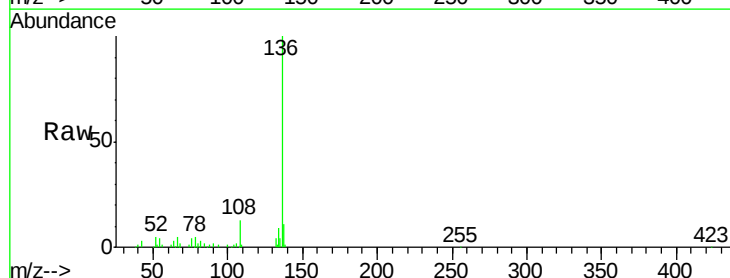
Ion Ratio Lower Upper

136 100

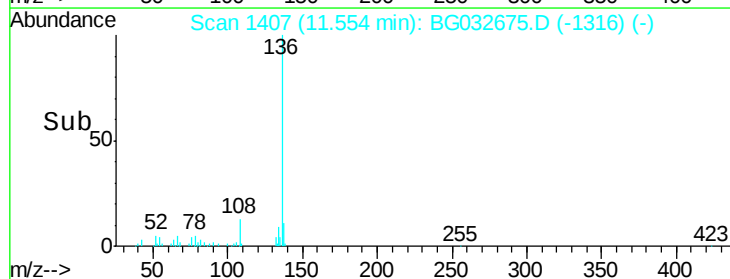
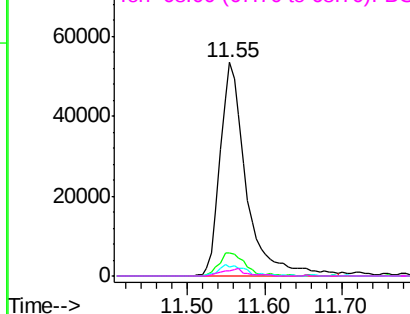
137 10.6 9.2 13.8

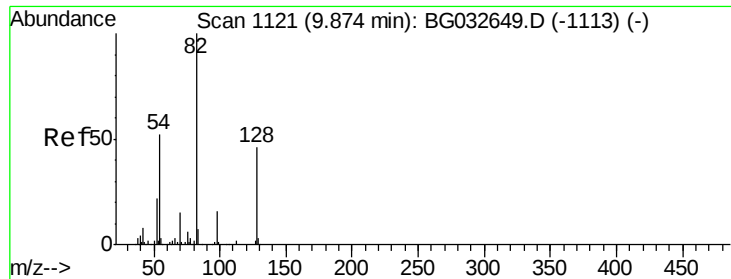
54 4.4 10.3 15.5#

68 2.4 4.5 6.7#



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

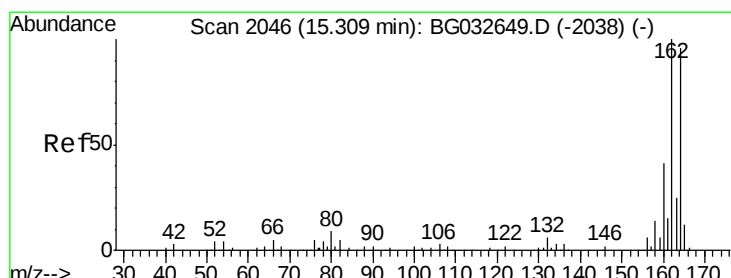
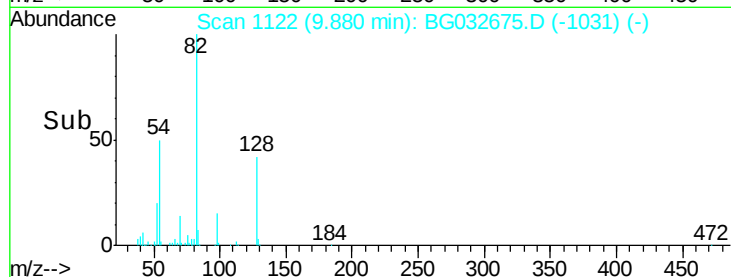
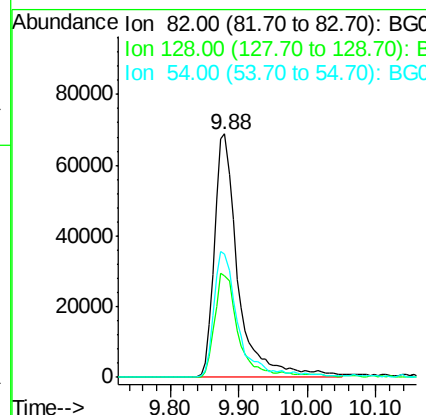
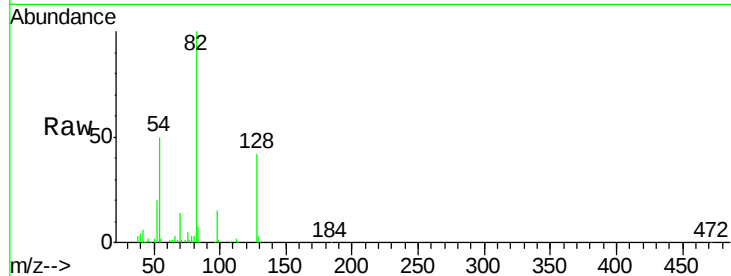




#23  
 Nitrobenzene-d5  
 Concen: 84.032 ng  
 RT: 9.88 min Scan# 1122  
 Delta R.T. 0.01 min  
 Lab File: BG032675.D  
 Acq: 14 Feb 2018 1:47

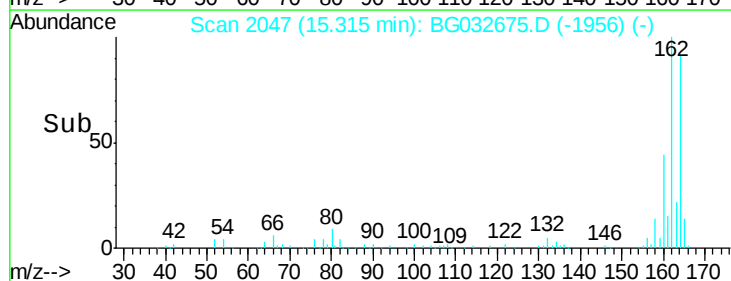
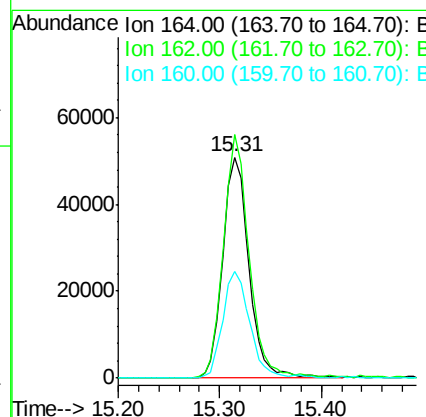
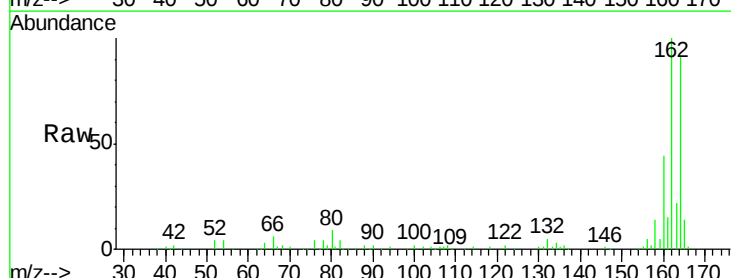
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB106456TB

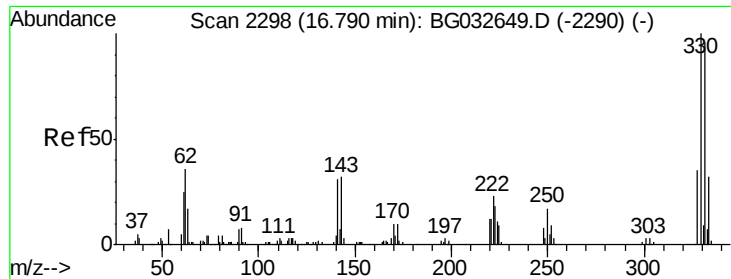
Tot Ion: 82 Resp: 166102  
 Ion Ratio Lower Upper  
 82 100  
 128 41.8 29.7 44.5  
 54 50.4 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.31 min Scan# 2047  
 Delta R.T. 0.01 min  
 Lab File: BG032675.D  
 Acq: 14 Feb 2018 1:47

Tgt Ion: 164 Resp: 91895  
 Ion Ratio Lower Upper  
 164 100  
 162 110.1 78.8 118.2  
 160 48.3 35.4 53.0

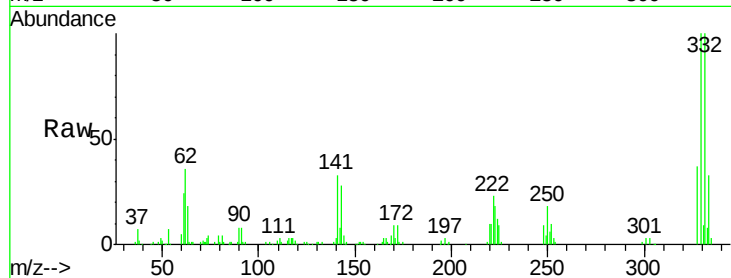




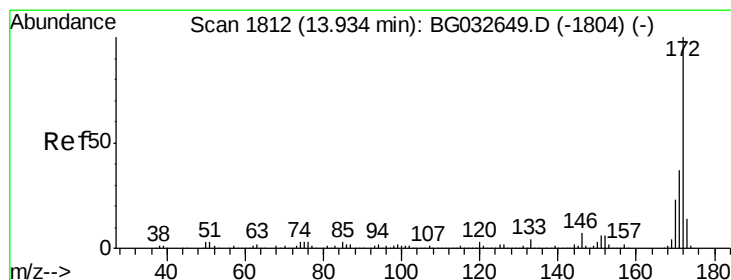
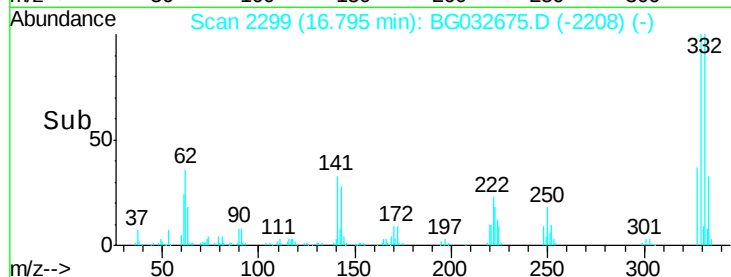
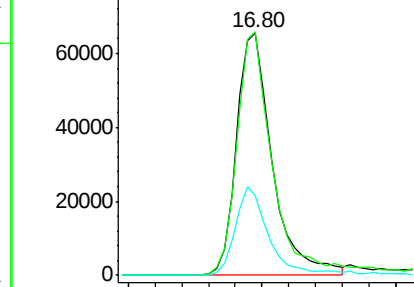
#41  
 2,4,6-Tribromophenol  
 Concen: 86.381 ng  
 RT: 16.80 min Scan# 2299  
 Delta R.T. 0.01 min  
 Lab File: BG032675.D  
 Acq: 14 Feb 2018 1:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB106456TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 102.5 | 77.0  | 115.6 |
| 141     | 33.0  | 25.2  | 37.8  |

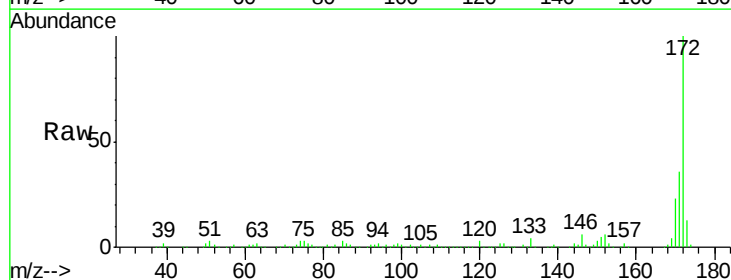


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

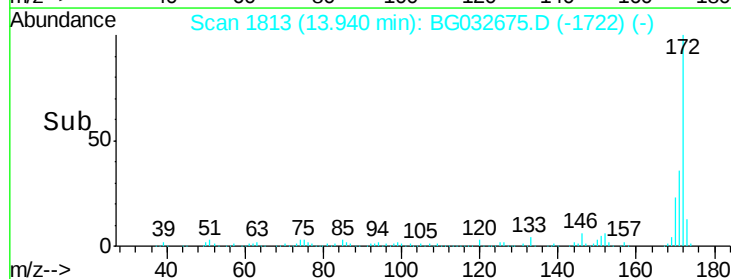
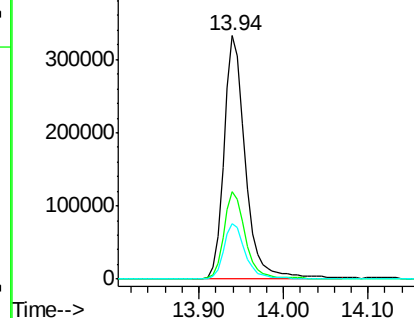


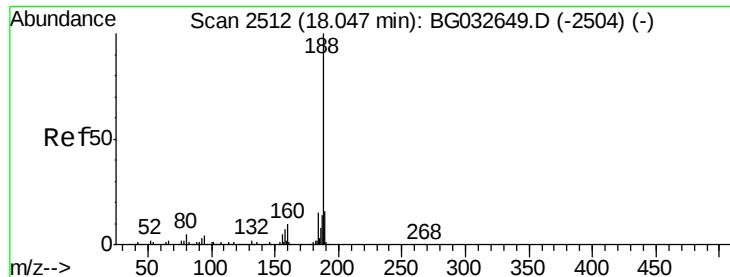
#44  
 2-Fluorobiphenyl  
 Concen: 80.294 ng  
 RT: 13.94 min Scan# 1813  
 Delta R.T. 0.01 min  
 Lab File: BG032675.D  
 Acq: 14 Feb 2018 1:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 30.0  | 45.0  |
| 170     | 22.9  | 19.5  | 29.3  |



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: 20.000 ng

RT: 18.05 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

Instrument :

BNA\_G

ClientSampleId :

PB106456TB

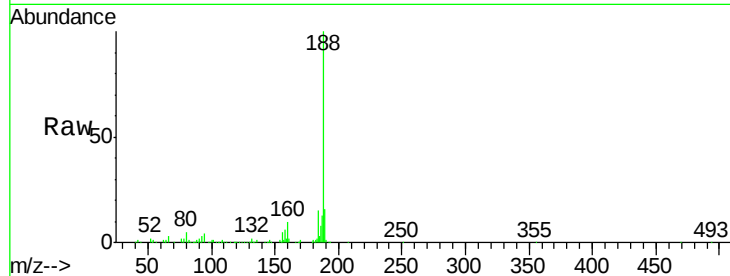
Tot Ion:188 Resp: 264316

Ion Ratio Lower Upper

188 100

94 4.1 6.9 10.3#

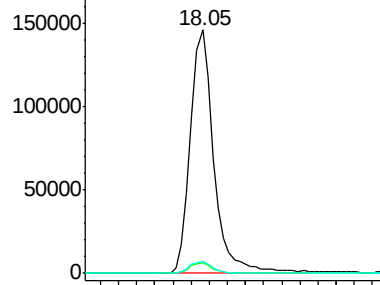
80 4.9 7.7 11.5#



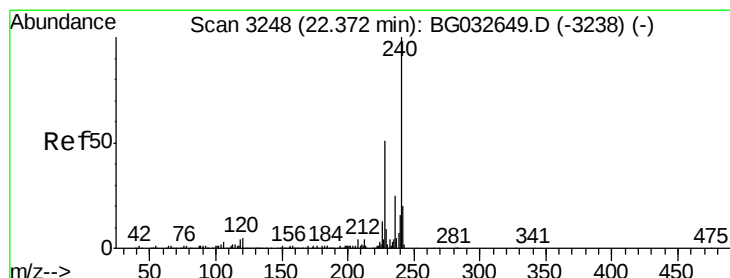
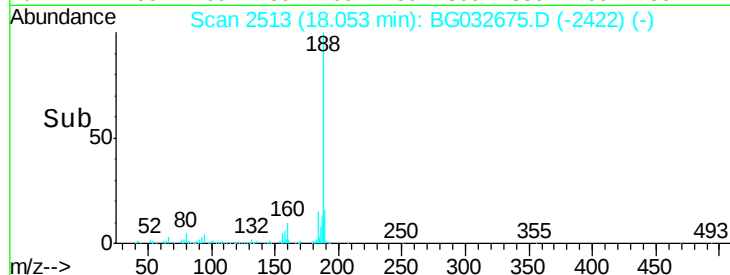
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.37 min Scan# 3248

Delta R.T. -0.00 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

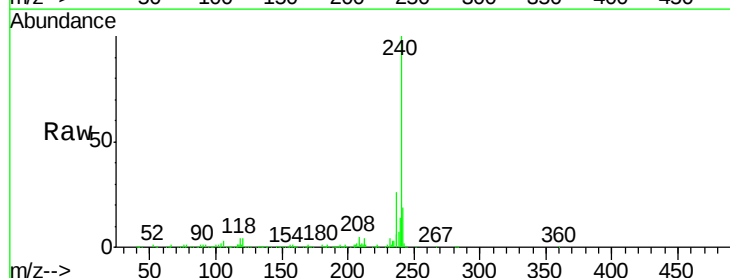
Tgt Ion:240 Resp: 356920

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

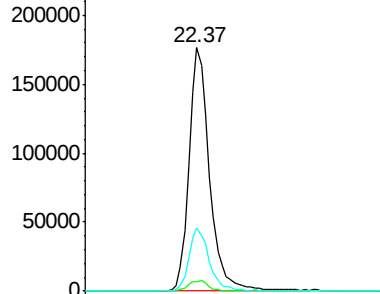
236 26.0 20.9 31.3



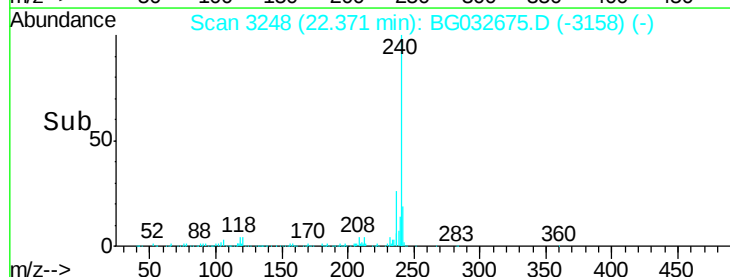
Abundance Ion 240.00 (239.70 to 240.70): E

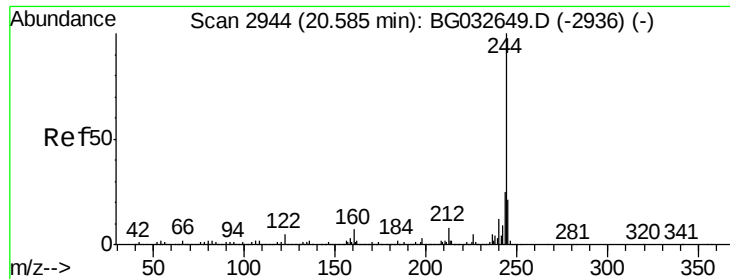
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 86.047 ng

RT: 20.59 min Scan# 2945

Delta R.T. 0.01 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

Instrument :

BNA\_G

ClientSampleId :

PB106456TB

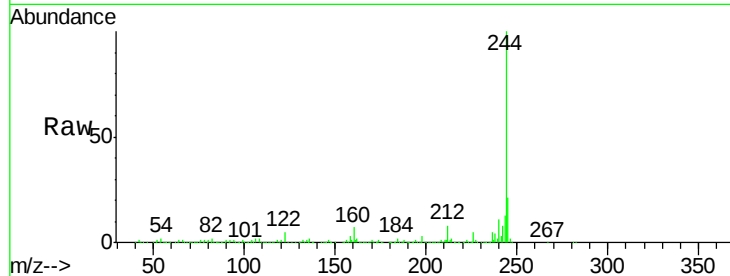
Tot Ion:244 Resp: 1347480

Ion Ratio Lower Upper

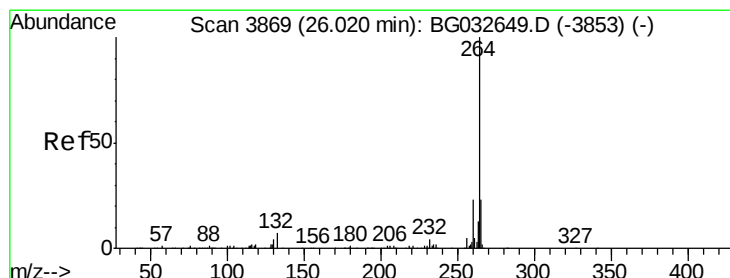
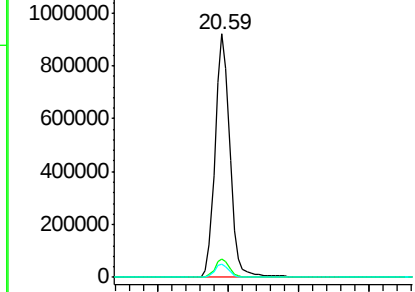
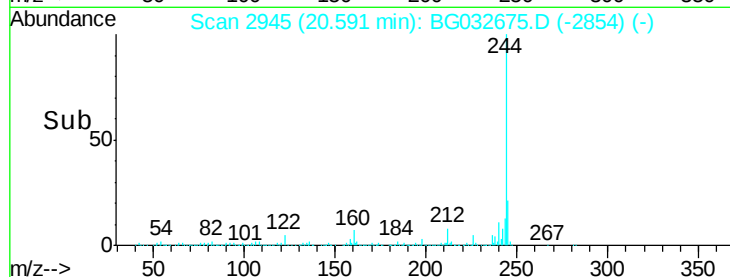
244 100

212 7.5 5.8 8.8

122 5.5 7.0 10.4#



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: 26.03 min Scan# 3870

Delta R.T. 0.01 min

Lab File: BG032675.D

Acq: 14 Feb 2018 1:47

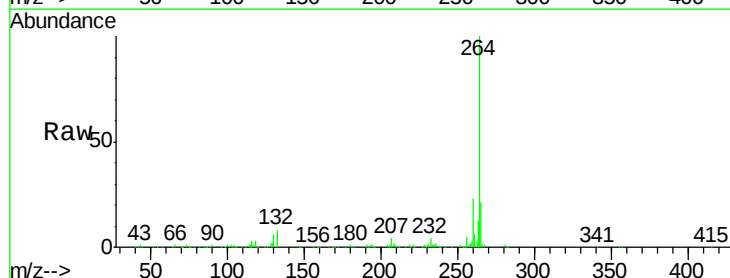
Tgt Ion:264 Resp: 360189

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.3 17.7 26.5



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

