

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110217\  
 Data File : BG030667.D  
 Acq On : 2 Nov 2017 18:08  
 Operator : SJ/JU  
 Sample : PB103878BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 03 00:53:12 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 17:41:24 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 60069    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.97 | 136  | 271980   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.77 | 164  | 202627   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.51 | 188  | 516160   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.78 | 240  | 594905   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 25.07 | 264  | 608019   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 251585   | 69.97 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 344328   | 68.22 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 290547   | 67.89 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 185883   | 71.05 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 876738   | 63.46 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.10 | 244  | 1624287  | 62.11 | ng    | 0.00     |

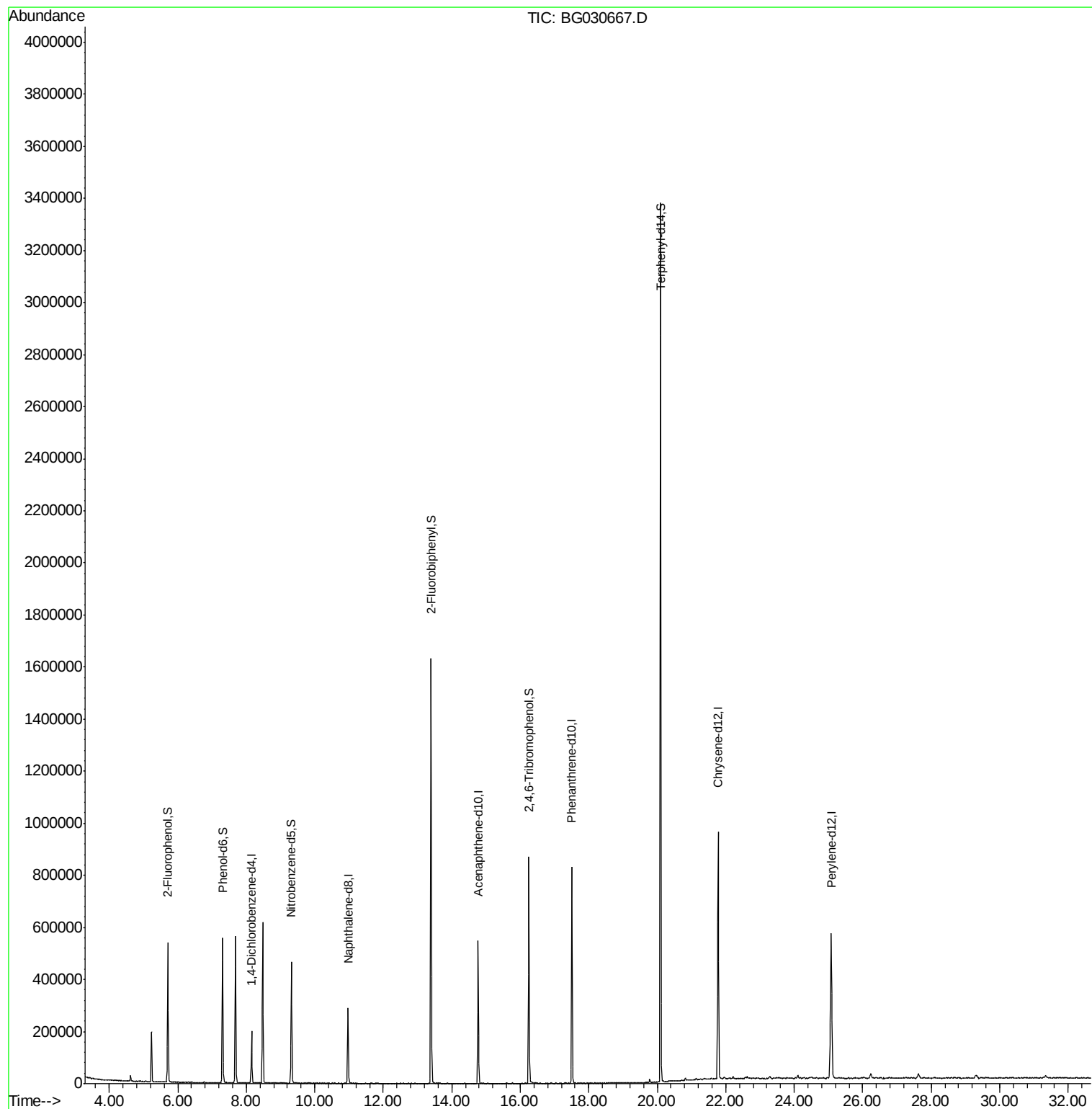
Target Compounds Qvalue

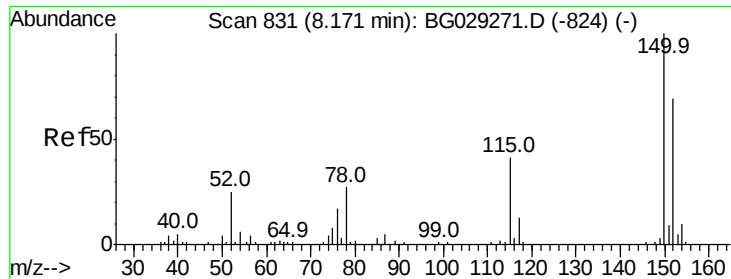
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 01 17:41:24 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 828

Delta R.T. -0.01 min

Lab File: BG030667.D

Acq: 2 Nov 2017 18:08

Instrument :

BNA\_G

ClientSampleId :

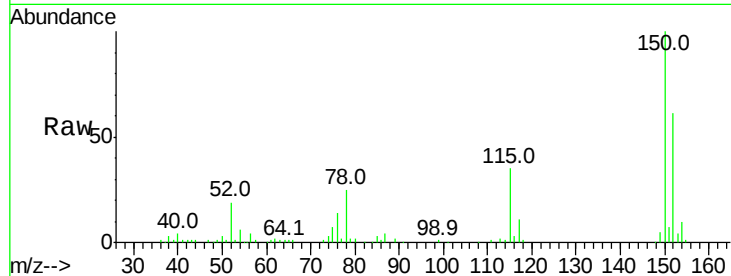
Tot Ion:152 Resp: 60069

Ion Ratio Lower Upper

152 100

150 162.7 126.6 189.8

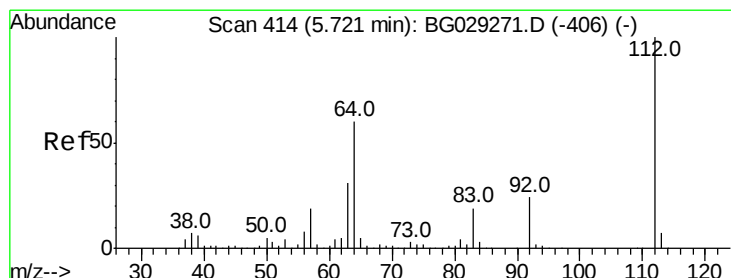
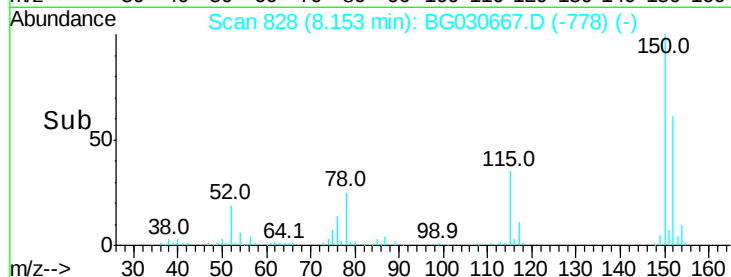
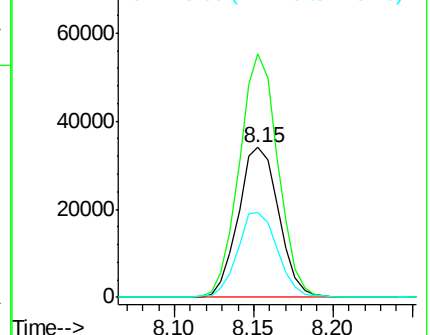
115 56.7 53.0 79.4



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: 69.967 ng

RT: 5.71 min Scan# 412

Delta R.T. -0.01 min

Lab File: BG030667.D

Acq: 2 Nov 2017 18:08

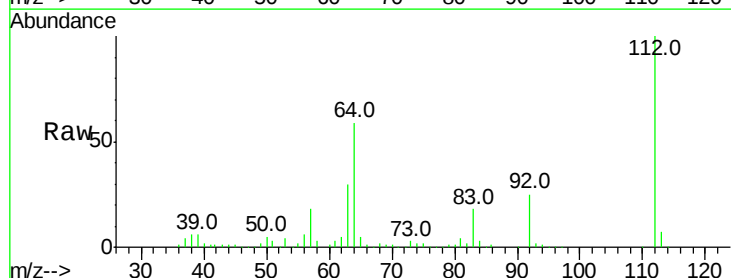
Tgt Ion:112 Resp: 251585

Ion Ratio Lower Upper

112 100

64 59.5 56.3 84.5

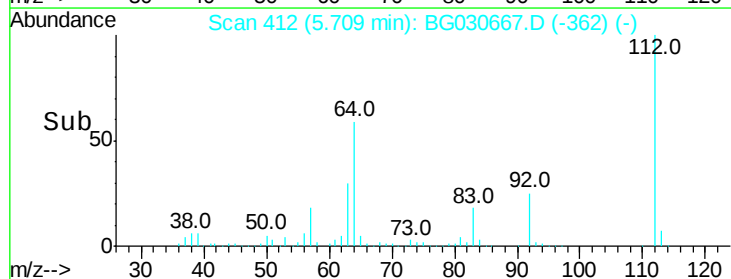
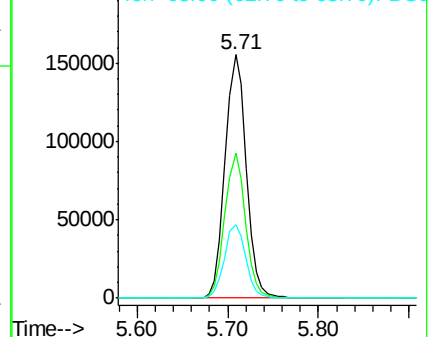
63 30.3 30.1 45.1

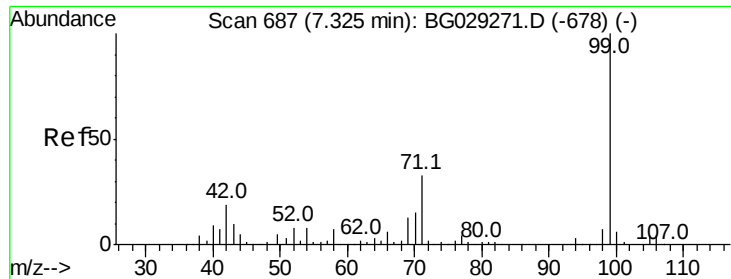


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 68.222 ng

RT: 7.31 min Scan# 684

Delta R.T. -0.01 min

Lab File: BG030667.D

Acq: 2 Nov 2017 18:08

Instrument :

BNA\_G

ClientSampled :

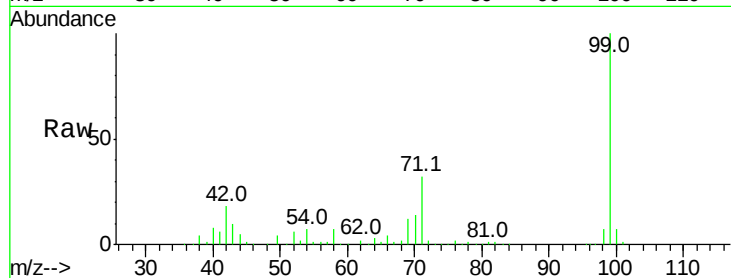
Tot Ion: 99 Resp: 344328

Ion Ratio Lower Upper

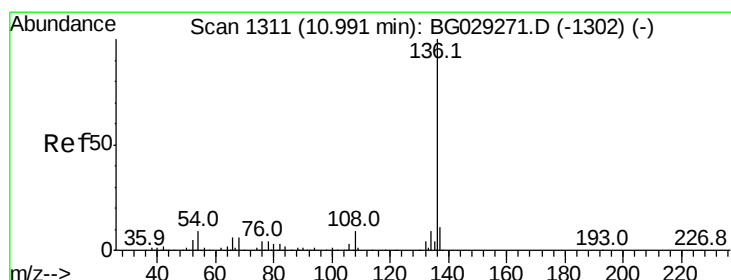
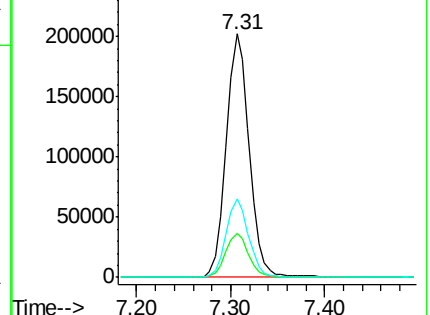
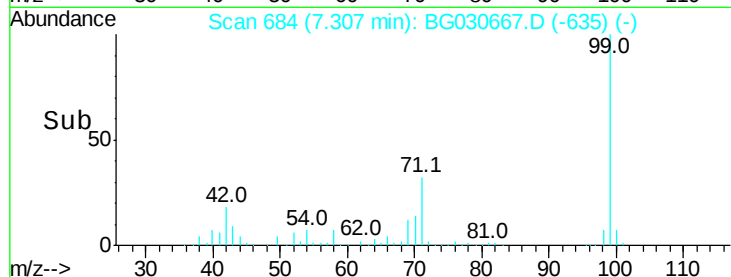
99 100

42 18.1 14.1 21.1

71 32.1 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: 10.97 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BG030667.D

Acq: 2 Nov 2017 18:08

Tgt Ion: 136 Resp: 271980

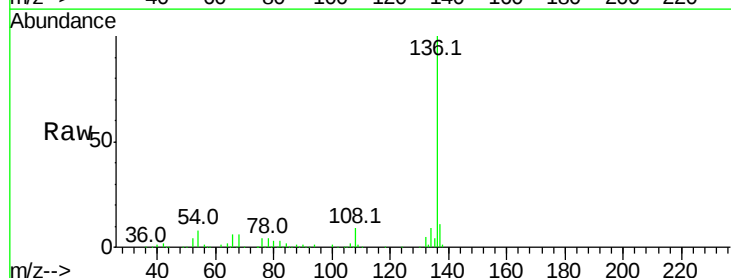
Ion Ratio Lower Upper

136 100

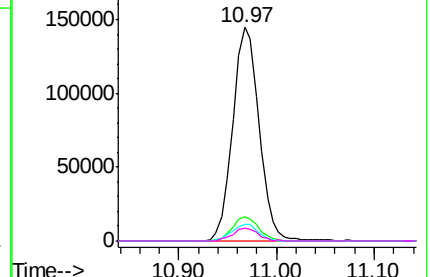
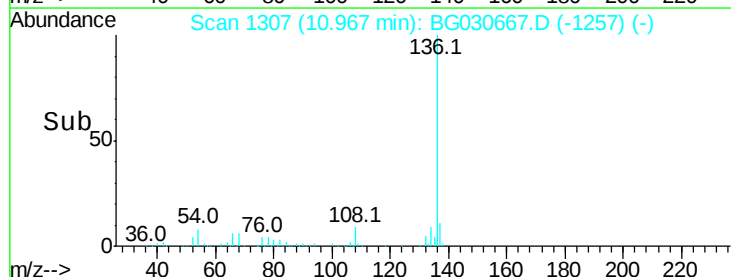
137 11.4 9.2 13.8

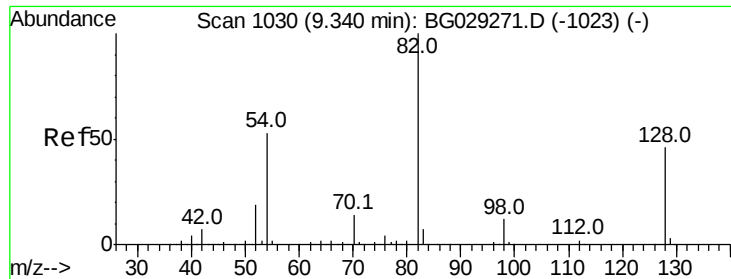
54 8.0 10.3 15.5#

68 5.7 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

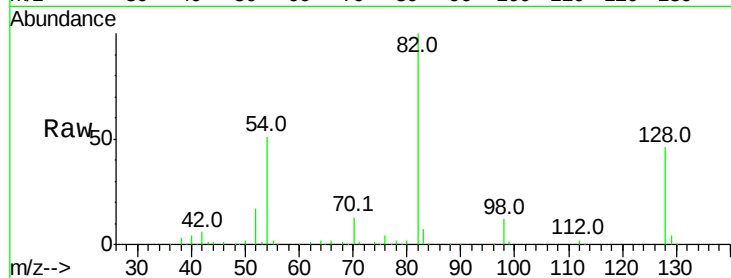




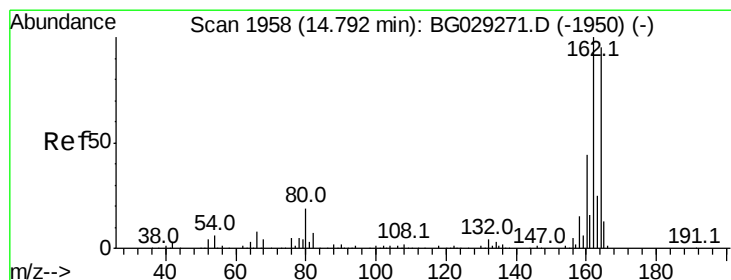
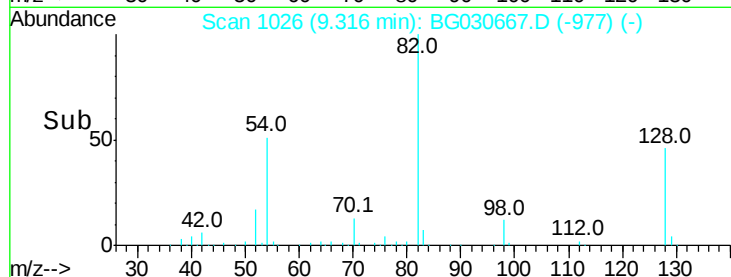
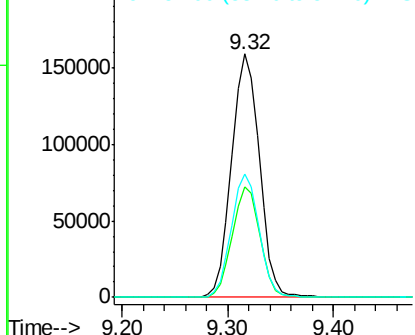
#23  
Nitrobenzene-d5  
Concen: 67.885 ng  
RT: 9.32 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BG030667.D  
Acq: 2 Nov 2017 18:08

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 290547  
Ion Ratio Lower Upper  
82 100  
128 45.6 29.7 44.5#  
54 50.6 43.1 64.7

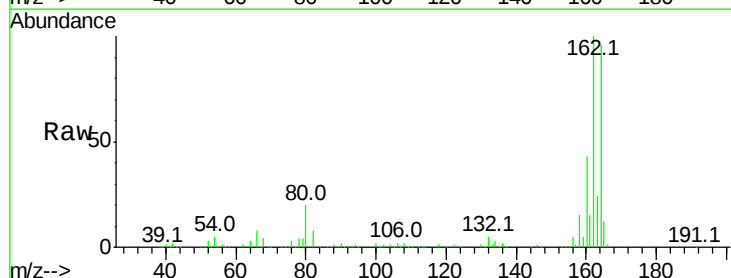


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

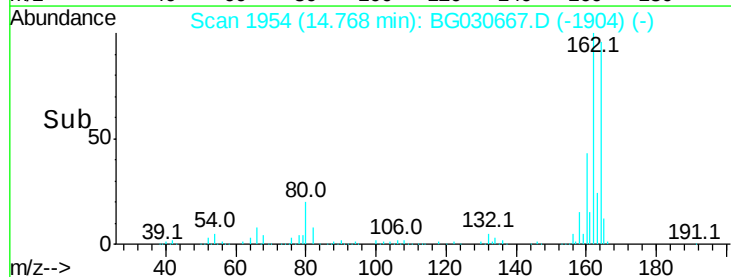
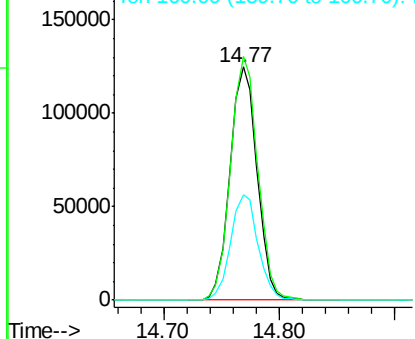


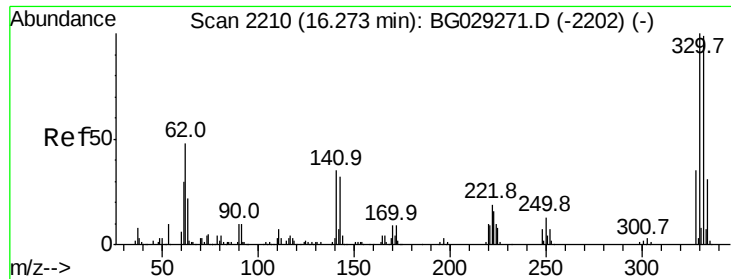
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1954  
Delta R.T. -0.01 min  
Lab File: BG030667.D  
Acq: 2 Nov 2017 18:08

Tgt Ion:164 Resp: 202627  
Ion Ratio Lower Upper  
164 100  
162 104.6 78.8 118.2  
160 45.1 35.4 53.0



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

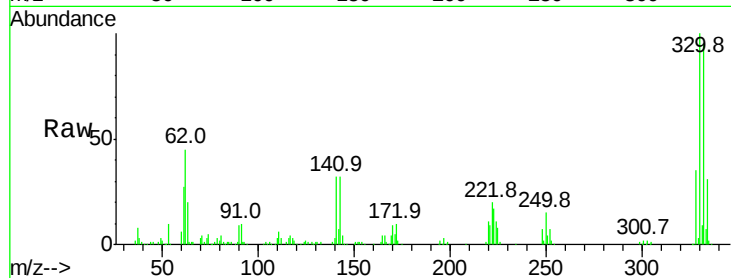




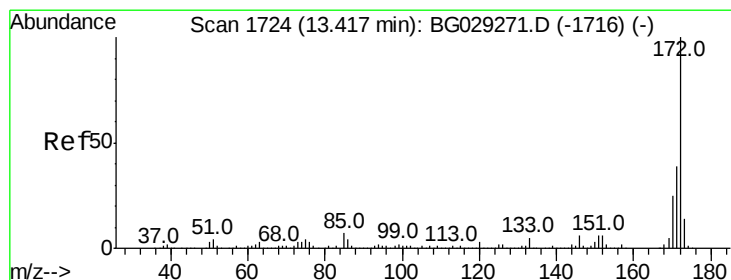
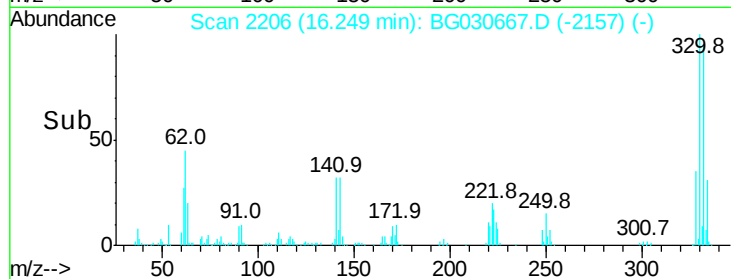
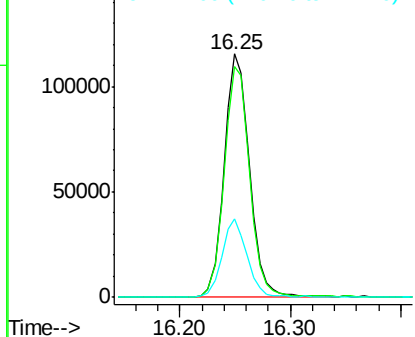
#41  
 2,4,6-Tribromophenol  
 Concen: 71.053 ng  
 RT: 16.25 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BG030667.D  
 Acq: 2 Nov 2017 18:08

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 77.0  | 115.6 |
| 141     | 31.8  | 25.2  | 37.8  |

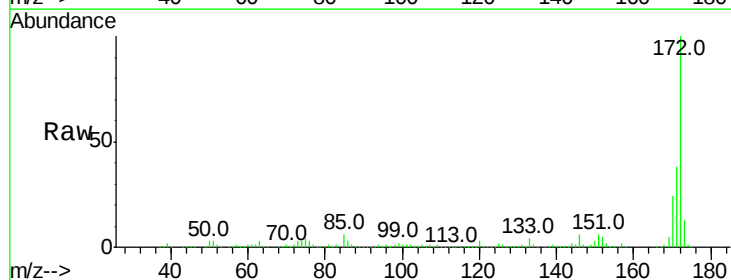


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

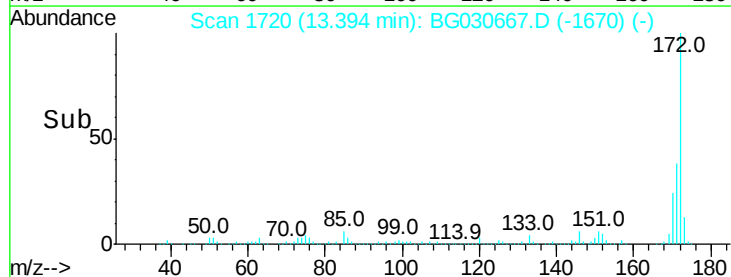
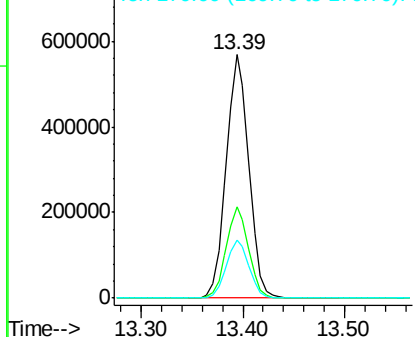


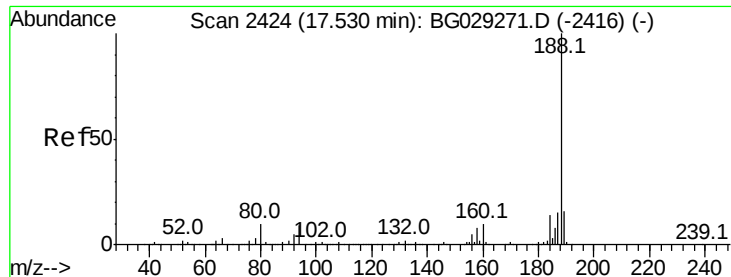
#44  
 2-Fluorobiphenyl  
 Concen: 63.460 ng  
 RT: 13.39 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: BG030667.D  
 Acq: 2 Nov 2017 18:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 30.0  | 45.0  |
| 170     | 23.7  | 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

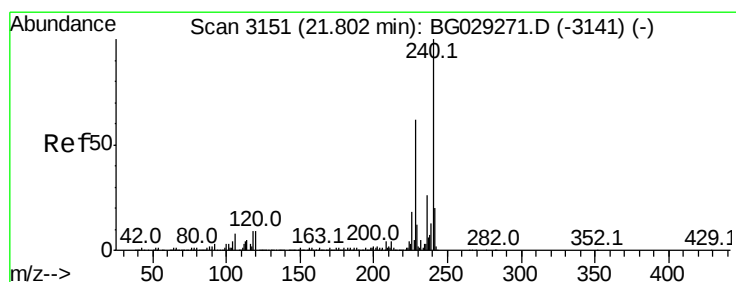
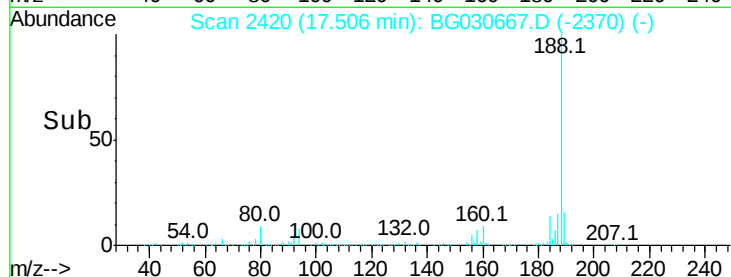
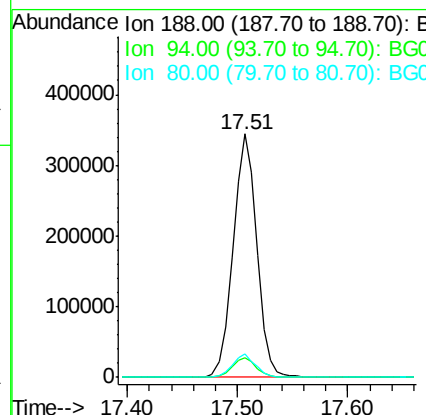
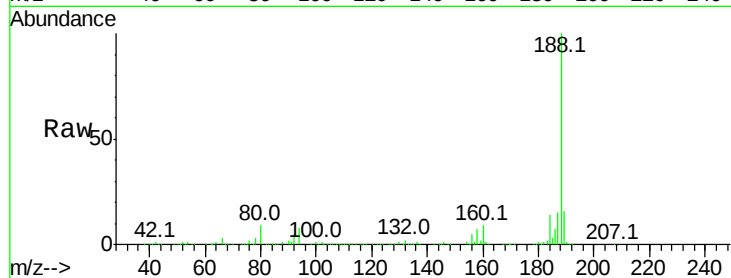




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.51 min Scan# 2420  
Delta R.T. -0.01 min  
Lab File: BG030667.D  
Acq: 2 Nov 2017 18:08

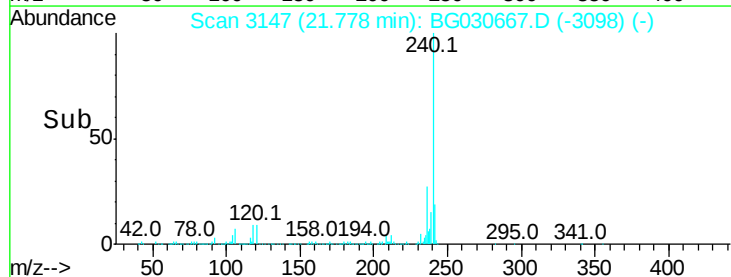
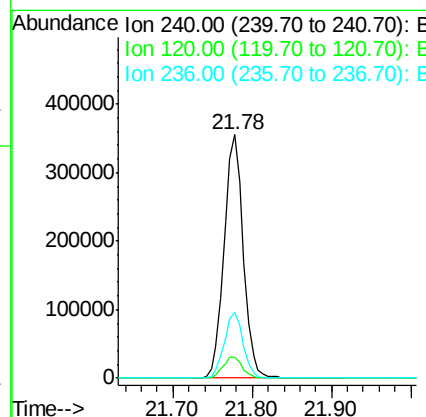
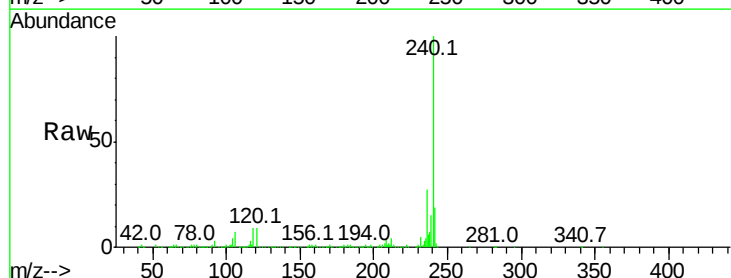
Instrument :  
BNA\_G  
ClientSampleId :

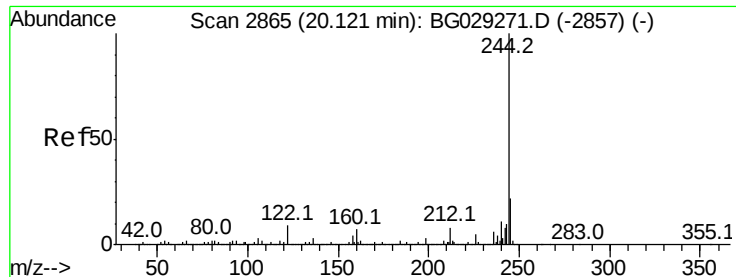
Tot Ion:188 Resp: 516160  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.9 10.3  
80 9.5 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.78 min Scan# 3147  
Delta R.T. -0.01 min  
Lab File: BG030667.D  
Acq: 2 Nov 2017 18:08

Tgt Ion:240 Resp: 594905  
Ion Ratio Lower Upper  
240 100  
120 8.7 6.8 10.2  
236 26.9 20.9 31.3



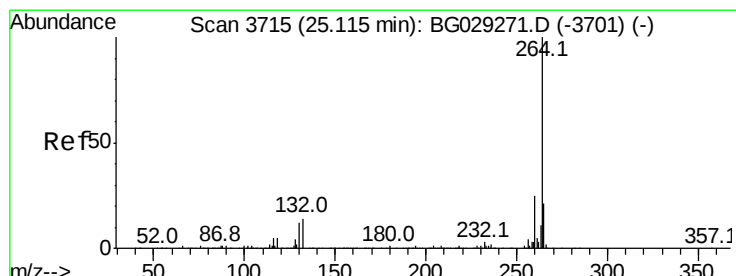
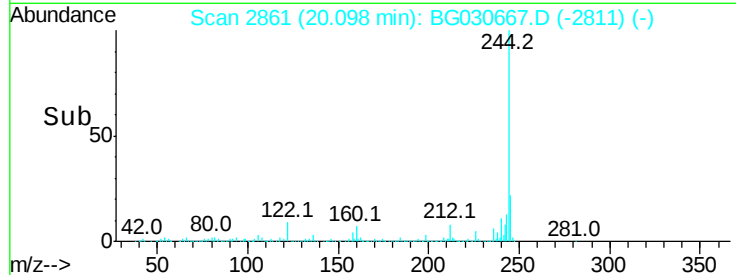
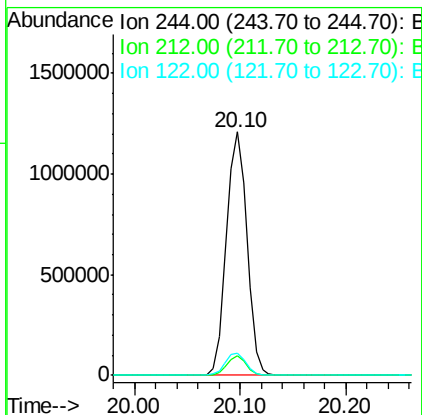
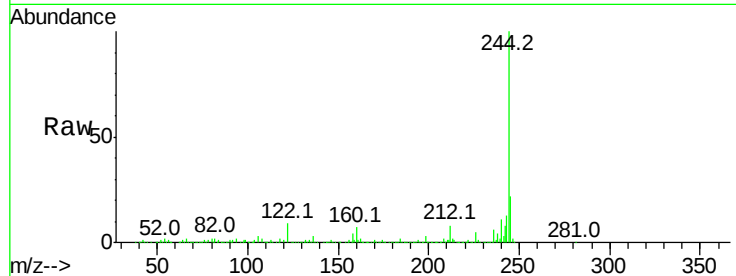


#78  
 Terphenyl-d14  
 Concen: 62.113 ng  
 RT: 20.10 min Scan# 2861  
 Delta R.T. -0.01 min  
 Lab File: BG030667.D  
 Acq: 2 Nov 2017 18:08

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:244 Resp: 1624287  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 5.8   | 8.8   |
| 122 | 9.3   | 7.0   | 10.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.07 min Scan# 3708  
 Delta R.T. -0.02 min  
 Lab File: BG030667.D  
 Acq: 2 Nov 2017 18:08

Tgt Ion:264 Resp: 608019  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 17.4  | 26.0  |
| 265 | 21.5  | 17.7  | 26.5  |

