

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011217\  
 Data File : BG025484.D  
 Acq On : 12 Jan 2017 16:14  
 Operator : UM/SJ  
 Sample : PB95939BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95939BL

Quant Time: Jan 13 01:06:04 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.20  | 152  | 60616    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.03 | 136  | 238173   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.83 | 164  | 183522   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.57 | 188  | 438221   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.86 | 240  | 656665   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.27 | 264  | 691044   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.74  | 112  | 494594   | 148.31 | ng    | 0.00     |
| 7) Phenol-d6                | 7.36  | 99   | 671160   | 142.90 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 489141   | 90.73  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.32 | 330  | 416063   | 140.82 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 1068767  | 94.28  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 2217566  | 89.54  | ng    | 0.00     |

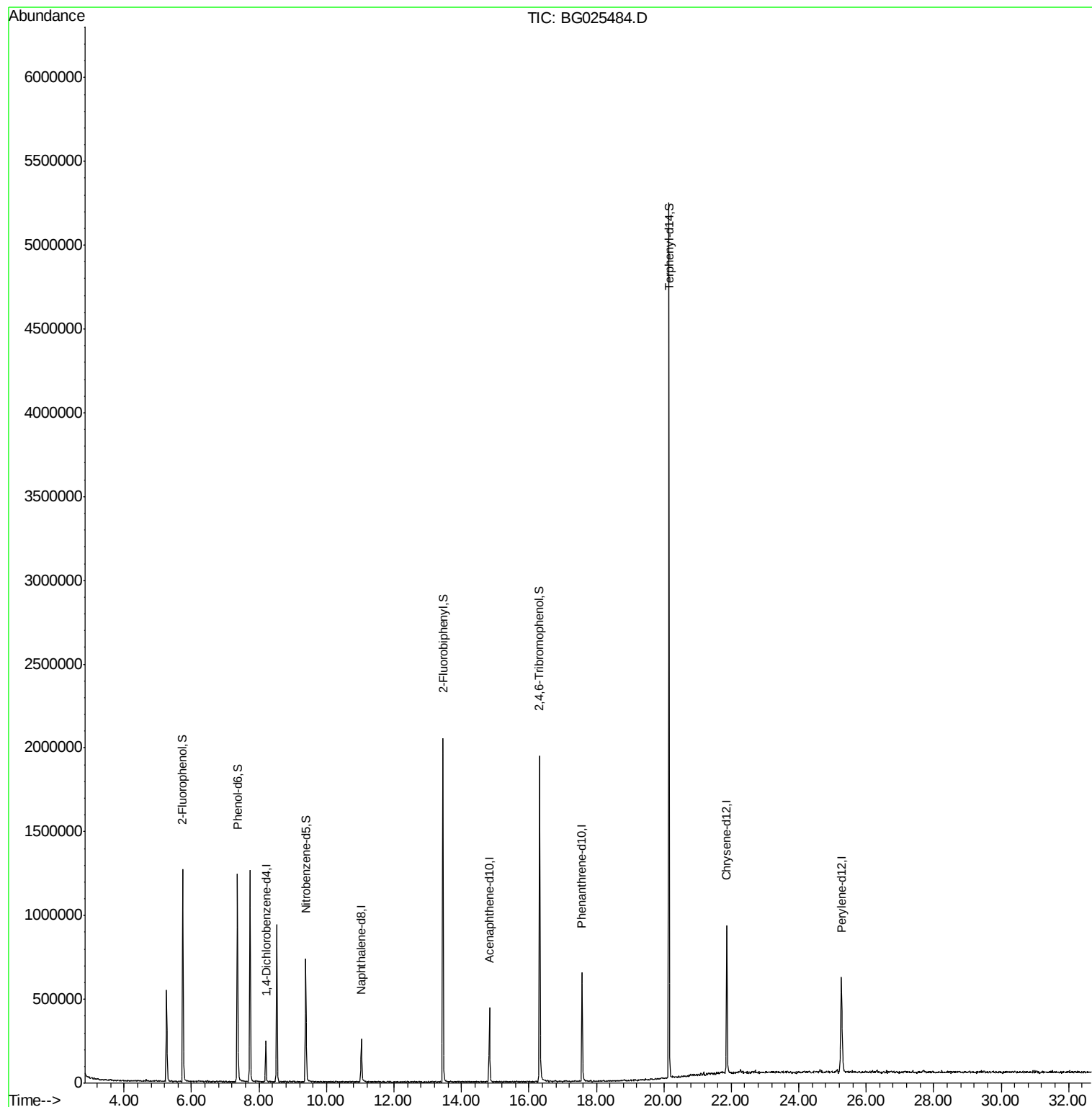
Target Compounds Qvalue

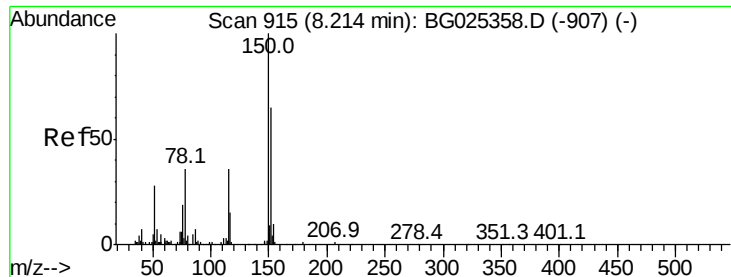
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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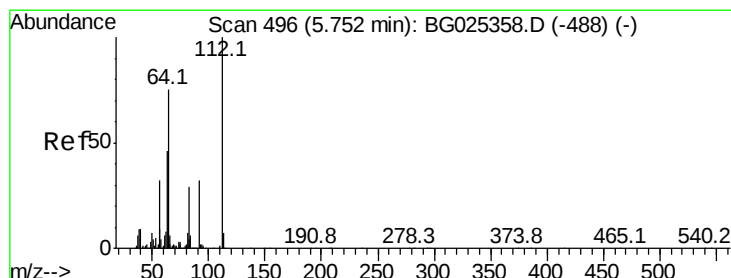
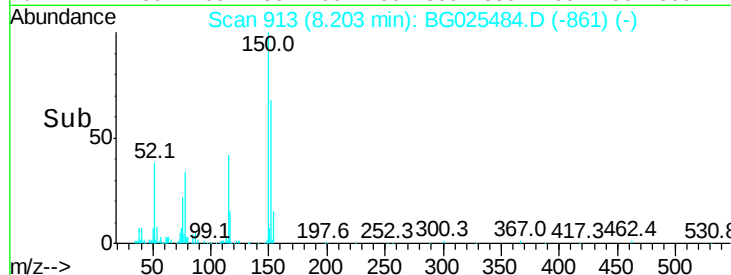
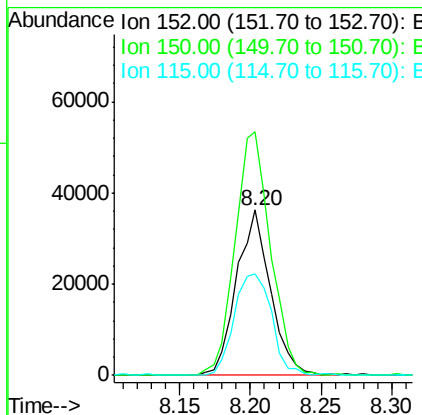
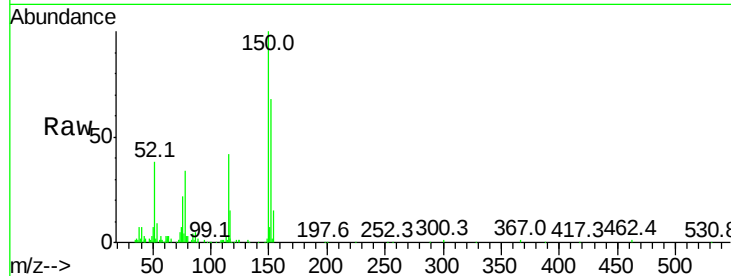


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.20 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: BG025484.D  
Acq: 12 Jan 2017 16:14

Instrument :  
BNA\_G  
ClientSampled :  
PB95939BL

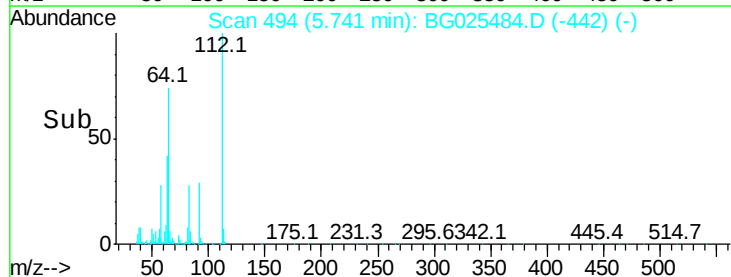
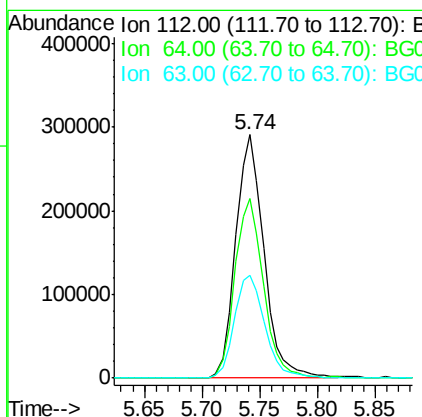
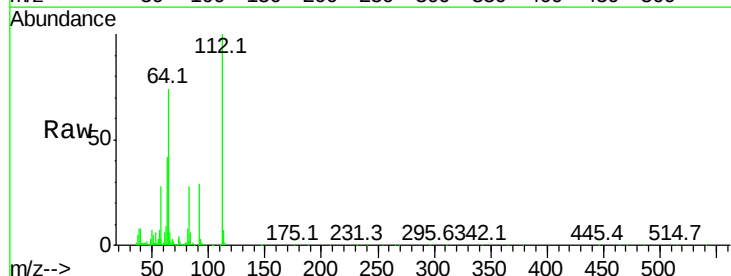
Tot Ion:152 Resp: 60616  
Ion Ratio Lower Upper  
152 100  
150 147.5 114.0 171.0  
115 61.9 48.1 72.1

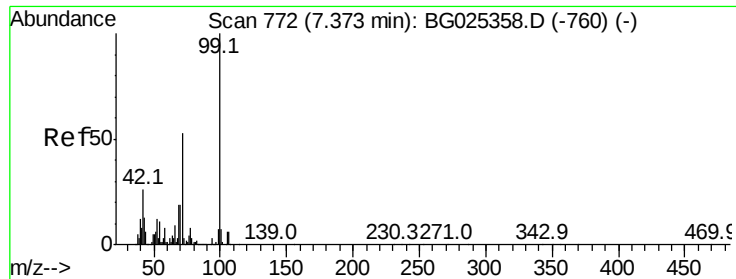


#5

2-Fluorophenol  
Concen: 148.31 ng  
RT: 5.74 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: BG025484.D  
Acq: 12 Jan 2017 16:14

Tgt Ion:112 Resp: 494594  
Ion Ratio Lower Upper  
112 100  
64 73.8 61.8 92.6  
63 42.5 37.2 55.8





#7

Phenol-d6

Concen: 142.90 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

Instrument :

BNA\_G

ClientSampleId :

PB95939BL

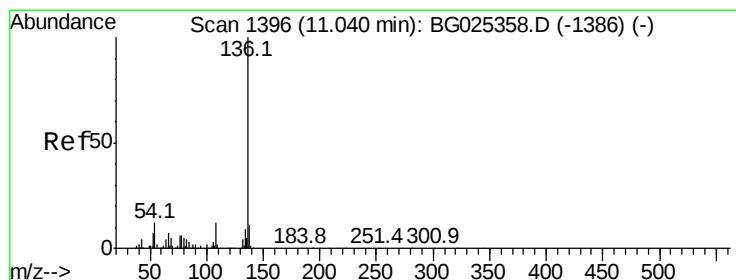
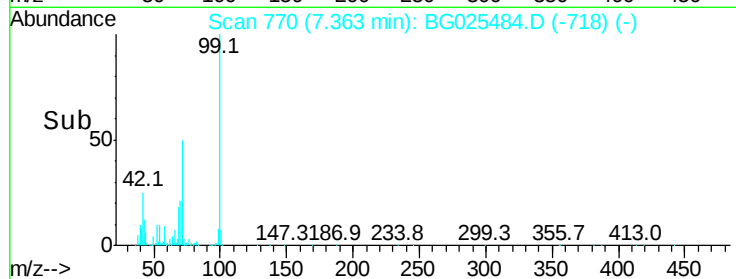
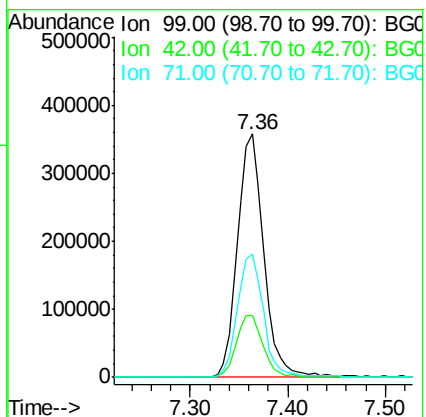
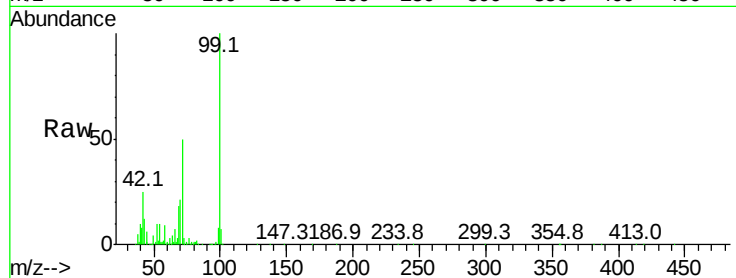
Tot Ion: 99 Resp: 671160

Ion Ratio Lower Upper

99 100

42 25.5 20.5 30.7

71 50.4 37.6 56.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

Tgt Ion: 136 Resp: 238173

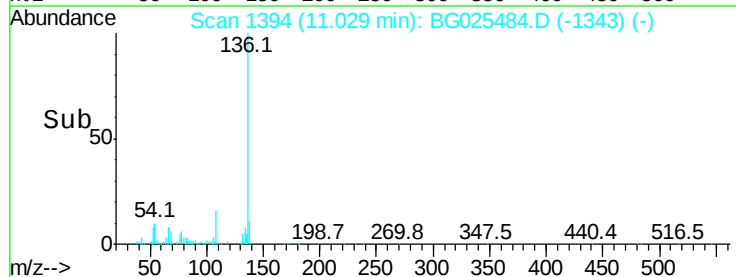
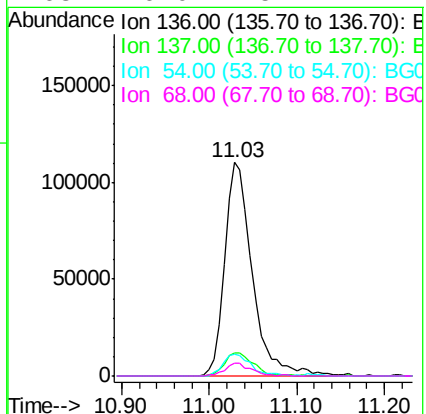
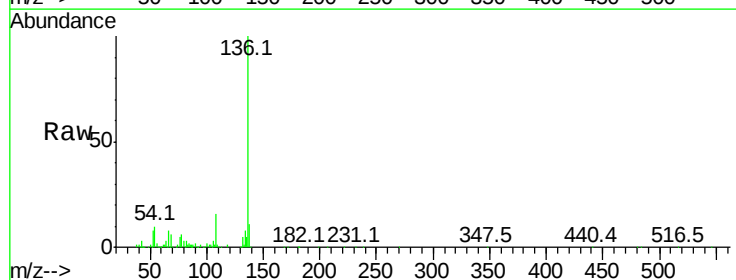
Ion Ratio Lower Upper

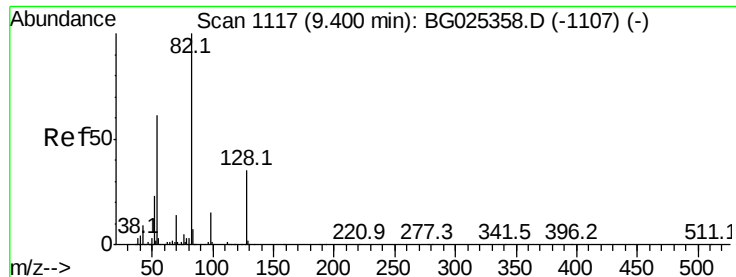
136 100

137 10.8 8.9 13.3

54 10.3 9.3 13.9

68 6.0 5.1 7.7

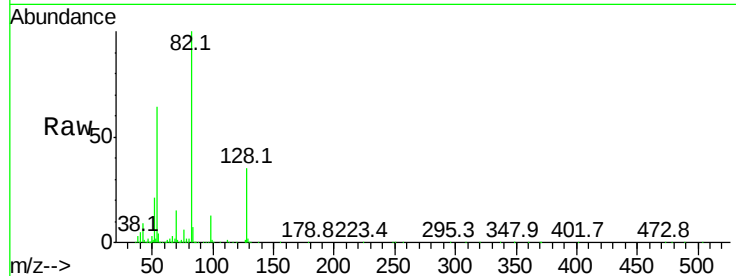




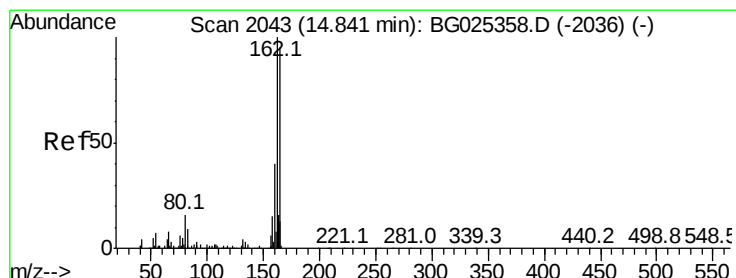
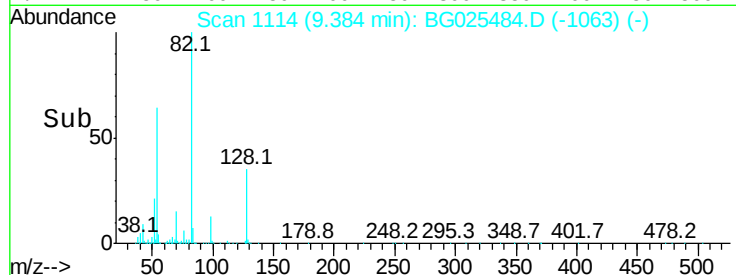
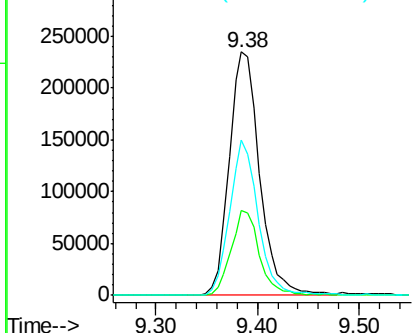
#23  
Nitrobenzene-d5  
Concen: 90.73 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: BG025484.D  
Acq: 12 Jan 2017 16:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB95939BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.7  | 26.4  | 39.6  |
| 54      | 63.5  | 49.4  | 74.2  |

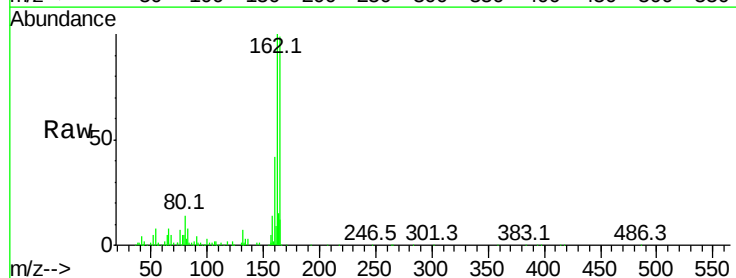


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

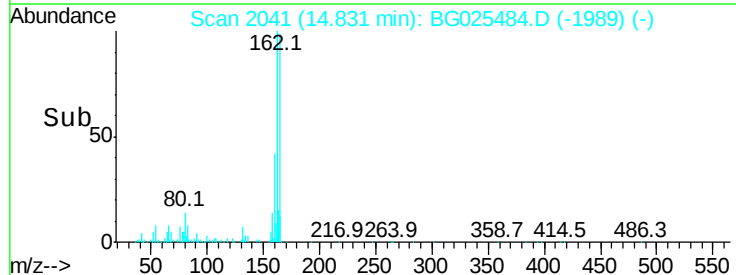
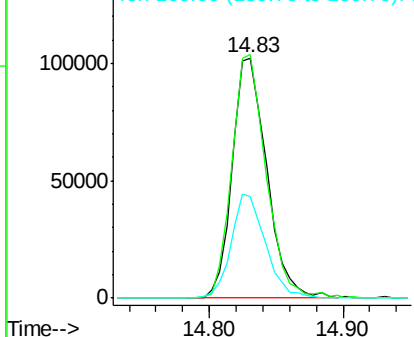


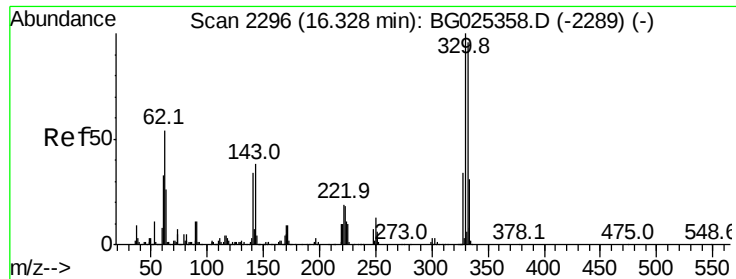
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.83 min Scan# 2041  
Delta R.T. 0.01 min  
Lab File: BG025484.D  
Acq: 12 Jan 2017 16:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 85.1  | 127.7 |
| 160     | 42.5  | 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

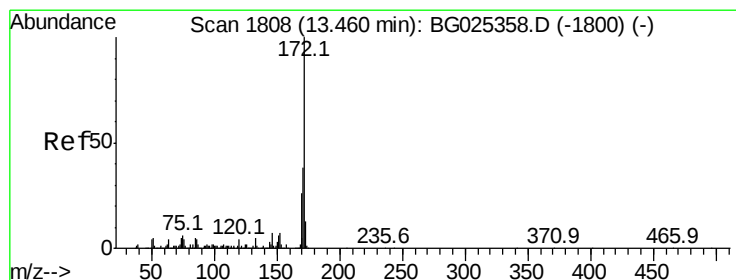
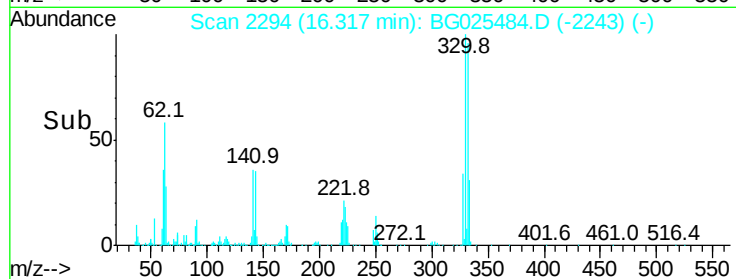
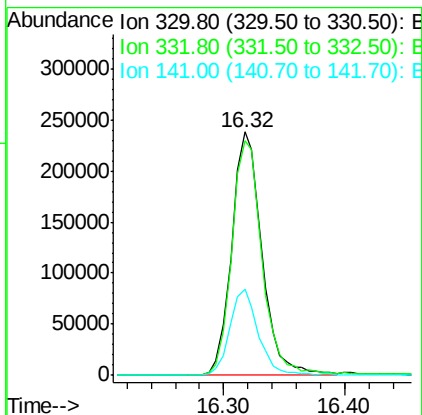
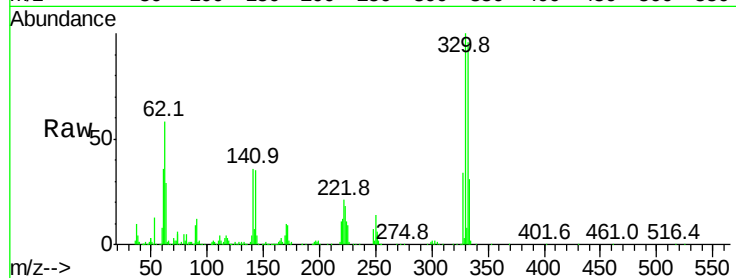




#41  
 2,4,6-Tribromophenol  
 Concen: 140.82 ng  
 RT: 16.32 min Scan# 2294  
 Delta R.T. 0.00 min  
 Lab File: BG025484.D  
 Acq: 12 Jan 2017 16:14

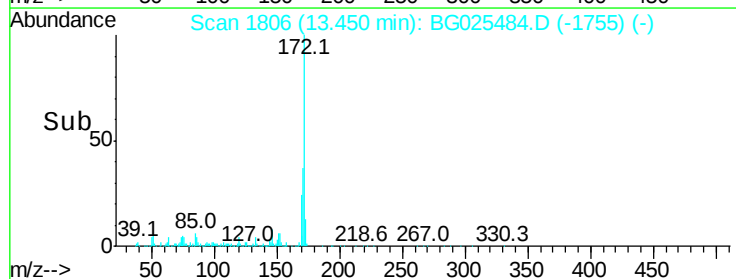
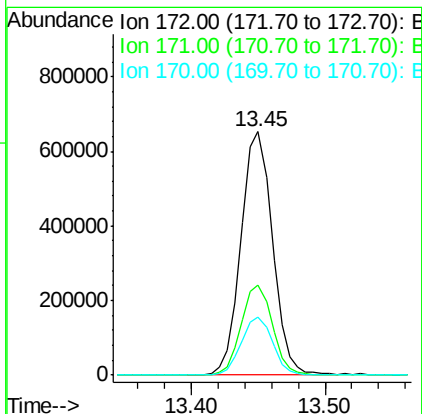
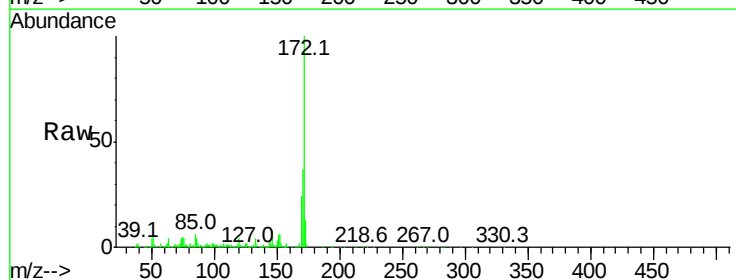
Instrument :  
 BNA\_G  
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 PB95939BL

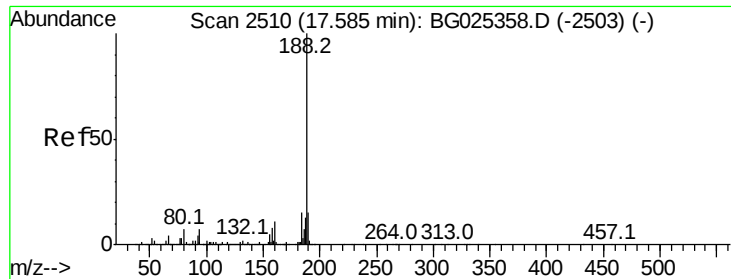
Tot Ion:330 Resp: 416063  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 33.8 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 94.28 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. 0.00 min  
 Lab File: BG025484.D  
 Acq: 12 Jan 2017 16:14

Tgt Ion:172 Resp: 1068767  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 32.2 48.2  
 170 23.9 21.8 32.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

Instrument :

BNA\_G

ClientSampleId :

PB95939BL

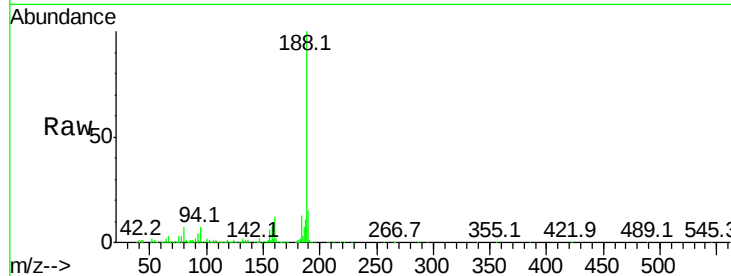
Tot Ion:188 Resp: 438221

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.8

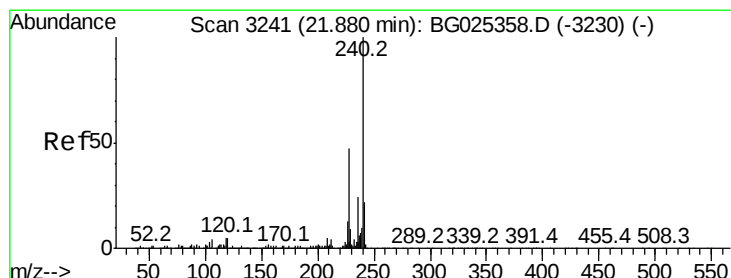
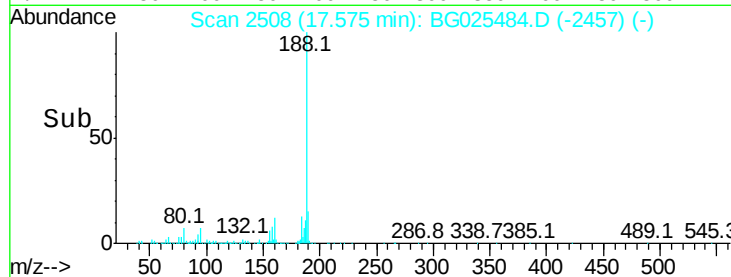
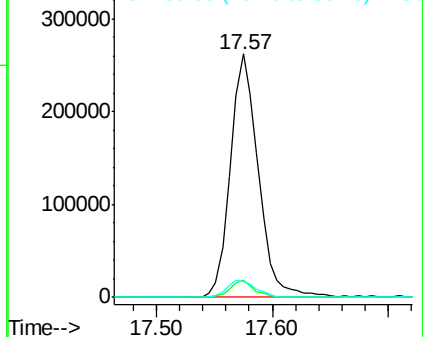
80 6.5 7.5 11.3#



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: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

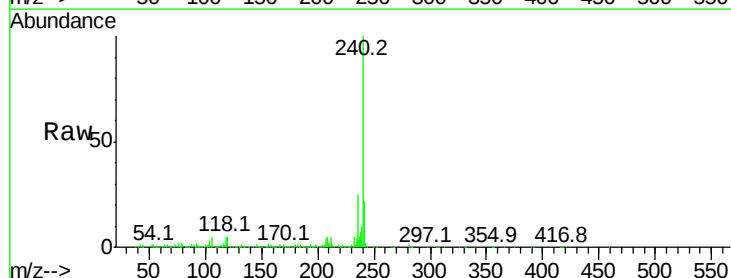
Tgt Ion:240 Resp: 656665

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

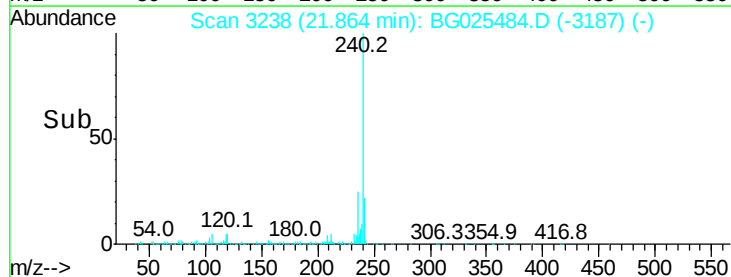
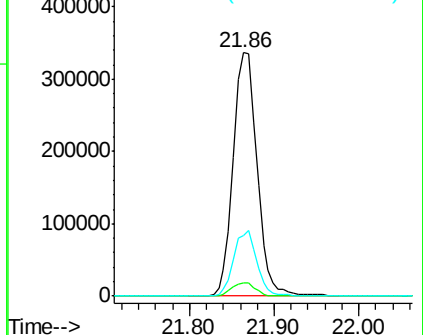
236 24.7 22.2 33.4

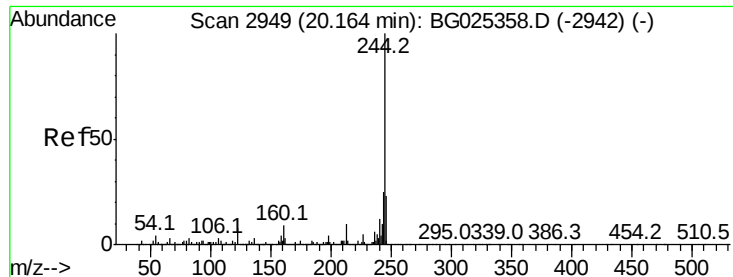


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 89.54 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

Instrument :

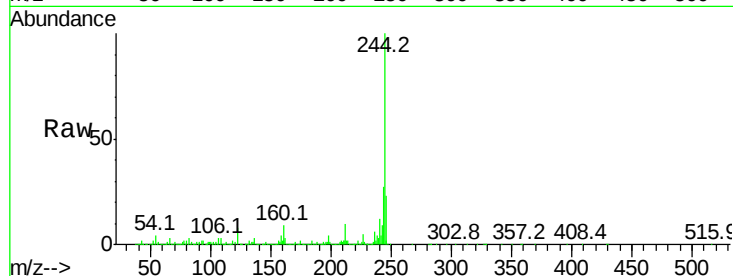
BNA\_G

ClientSampleId :

PB95939BL

Tot Ion:244 Resp: 2217566

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.3  | 10.0  | 15.0  |
| 122 | 7.6   | 8.6   | 12.8# |

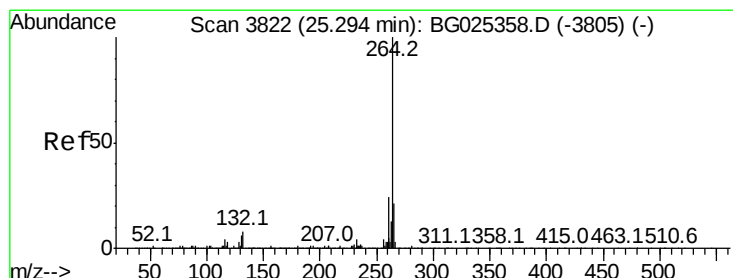
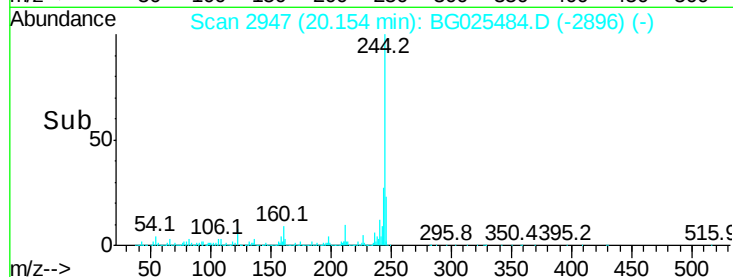
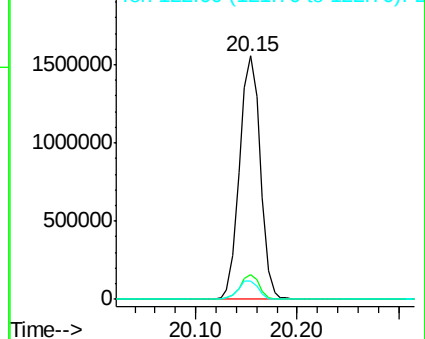


Abundance

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: 25.27 min Scan# 3817

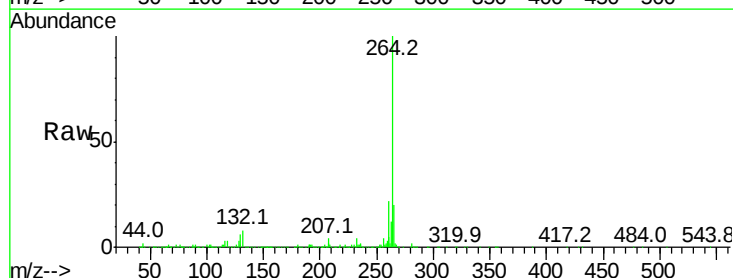
Delta R.T. 0.00 min

Lab File: BG025484.D

Acq: 12 Jan 2017 16:14

Tgt Ion:264 Resp: 691044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.1  | 21.8  | 32.8  |
| 265 | 20.4  | 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

