

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051315\  
 Data File : BG017127.D  
 Acq On : 14 May 2015 3:18  
 Operator : TP/IZ  
 Sample : G2195-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU012-TW-05

Quant Time: May 14 04:43:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 03:58:31 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.71  | 152  | 46756    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 207937   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.36 | 164  | 135194   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.11 | 188  | 324808   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.30 | 240  | 323196   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.56 | 264  | 313581   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 172413   | 65.42  | ng    | 0.00     |
| 7) Phenol-d6                | 6.91  | 99   | 156707   | 42.37  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.87  | 82   | 355546   | 79.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.86 | 330  | 251485   | 153.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.98 | 172  | 797961   | 86.61  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.74 | 244  | 1456337  | 93.90  | ng    | 0.00     |

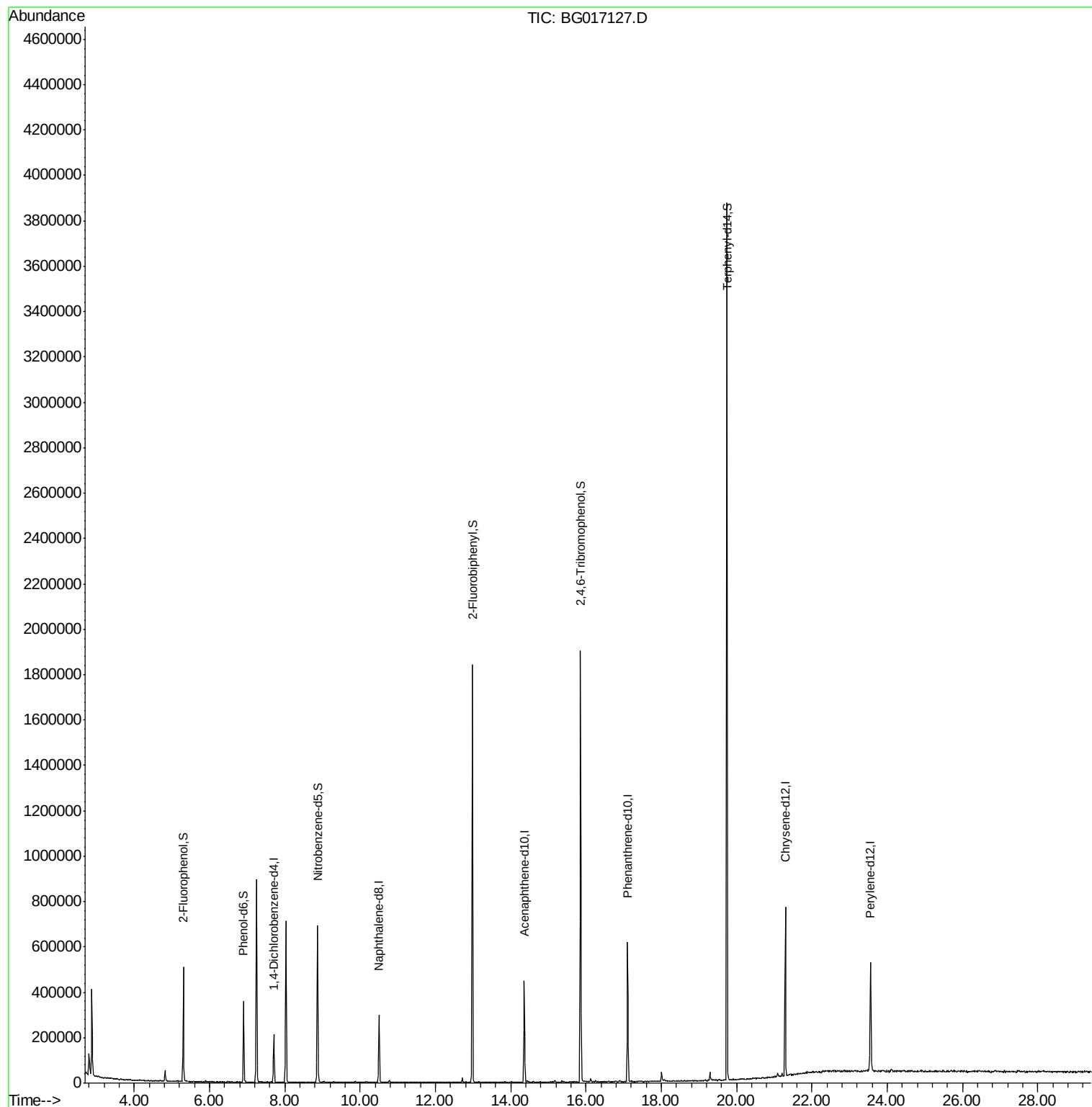
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

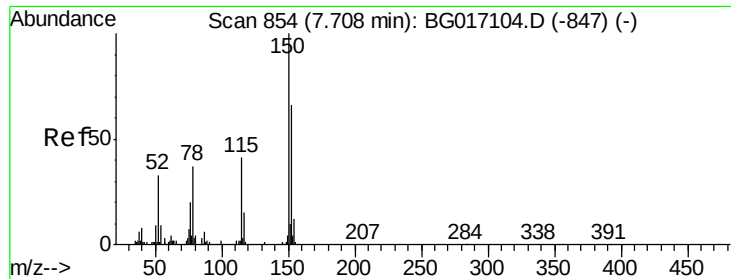
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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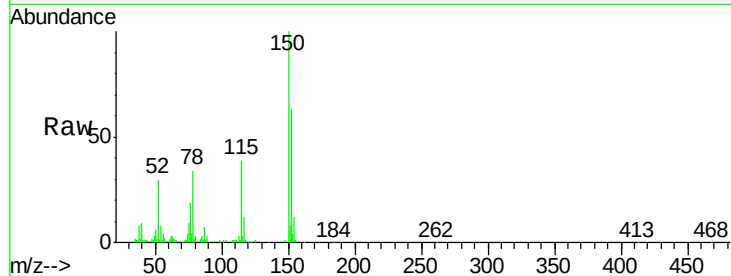


#1

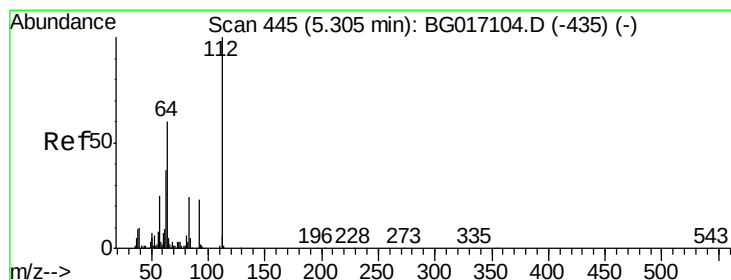
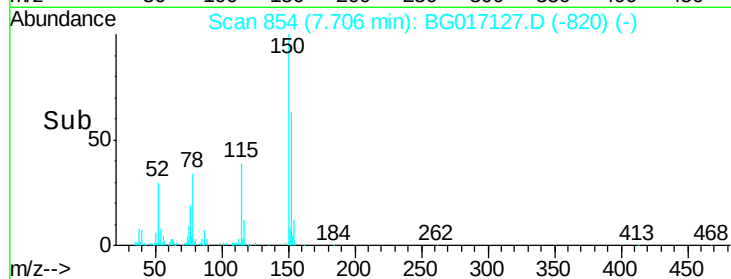
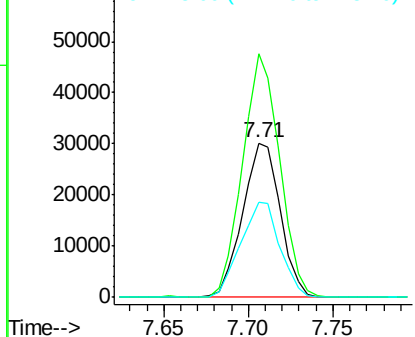
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BG017127.D  
Acq: 14 May 2015 3:18

Instrument :  
BNA\_G  
ClientSampleId :  
TU012-TW-05

Tgt Ion:152 Resp: 46756  
Ion Ratio Lower Upper  
152 100  
150 157.8 120.8 181.2  
115 61.9 49.4 74.2



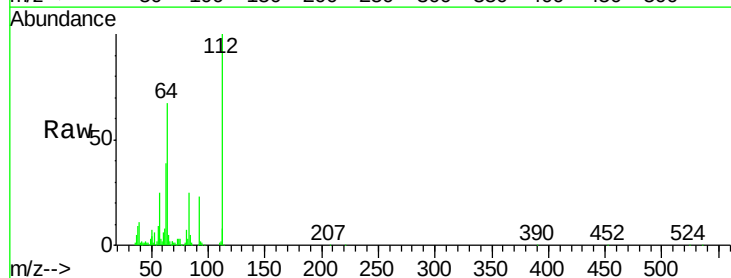
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



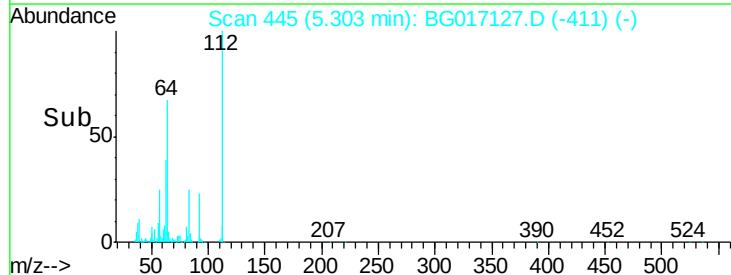
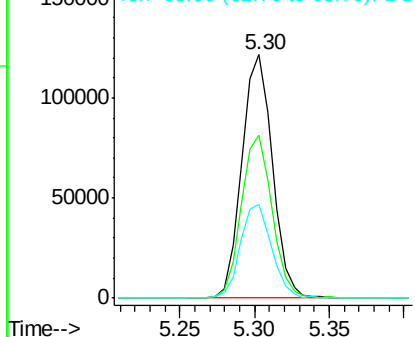
#5

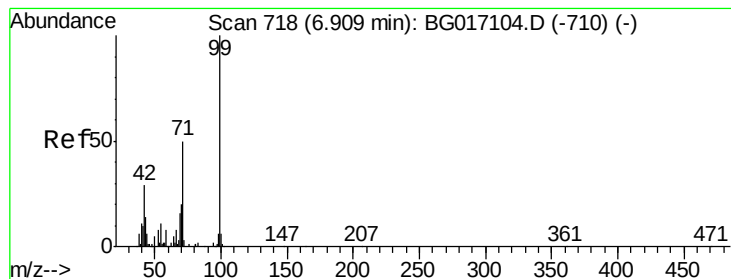
2-Fluorophenol  
Concen: 65.42 ng  
RT: 5.30 min Scan# 445  
Delta R.T. -0.00 min  
Lab File: BG017127.D  
Acq: 14 May 2015 3:18

Tgt Ion:112 Resp: 172413  
Ion Ratio Lower Upper  
112 100  
64 67.0 48.1 72.1  
63 38.7 29.8 44.8



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: 42.37 ng

RT: 6.91 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG017127.D

Acq: 14 May 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

TU012-TW-05

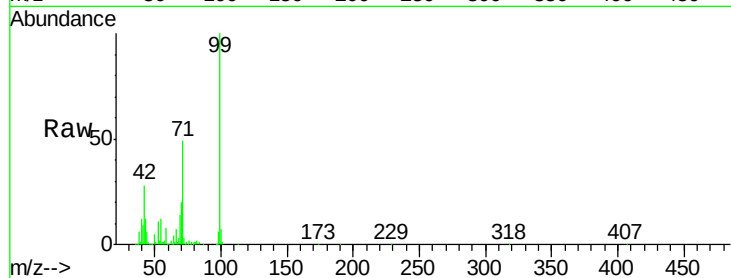
Tgt Ion: 99 Resp: 156707

Ion Ratio Lower Upper

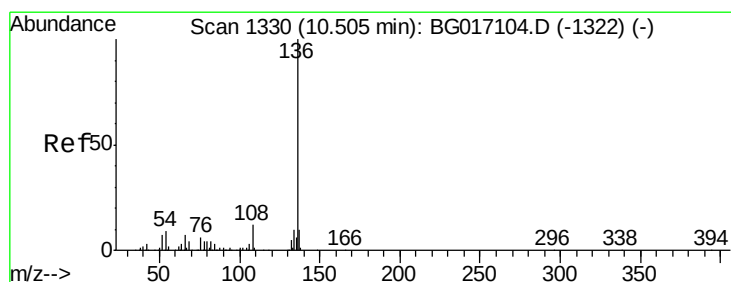
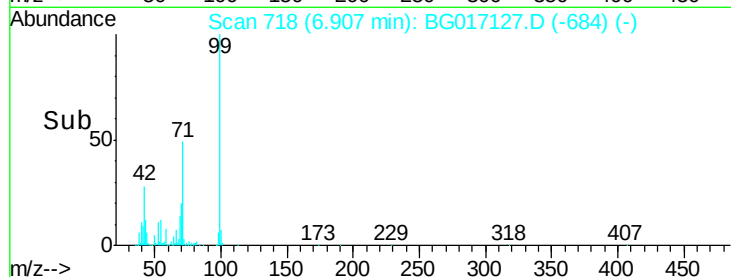
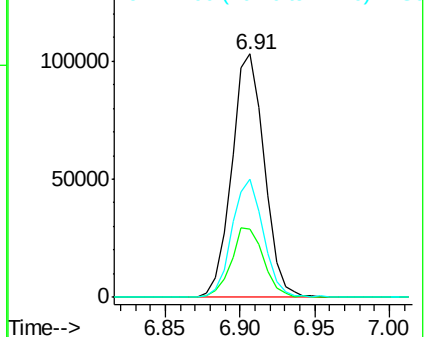
99 100

42 28.0 23.5 35.3

71 48.6 39.8 59.8



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: 20.00 ng

RT: 10.50 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG017127.D

Acq: 14 May 2015 3:18

Tgt Ion: 136 Resp: 207937

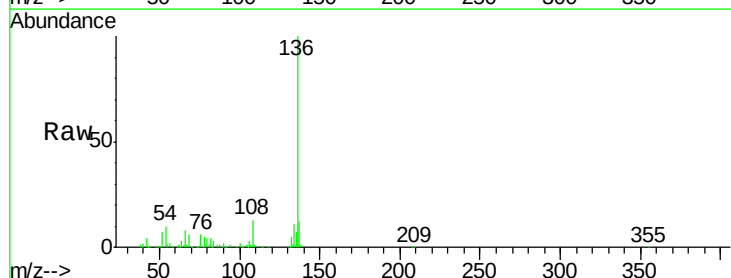
Ion Ratio Lower Upper

136 100

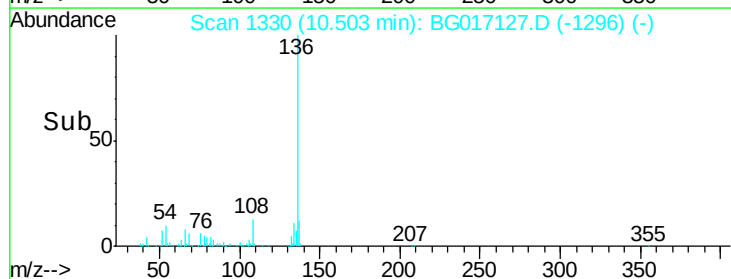
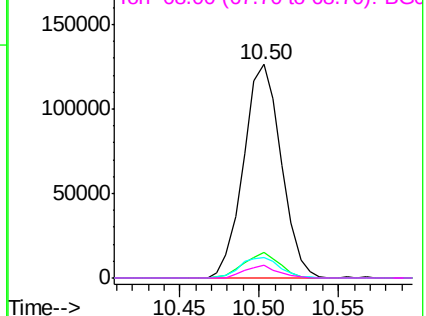
137 11.8 8.3 12.5

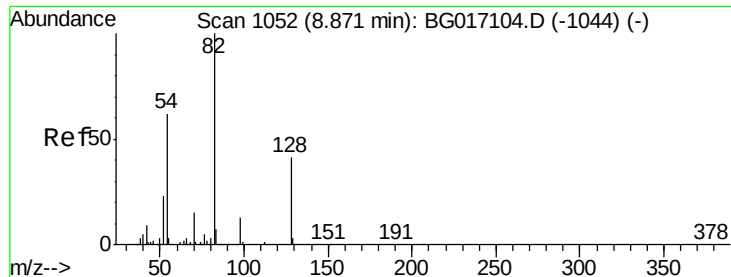
54 9.6 7.4 11.2

68 6.2 3.6 5.4#



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

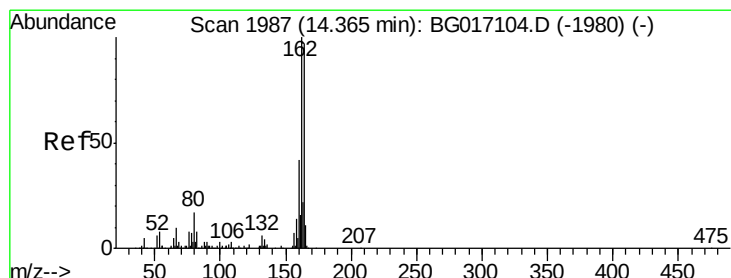
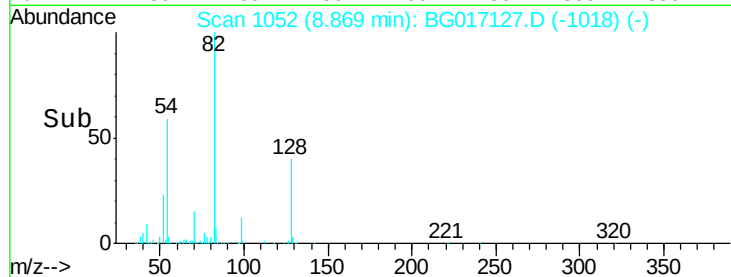
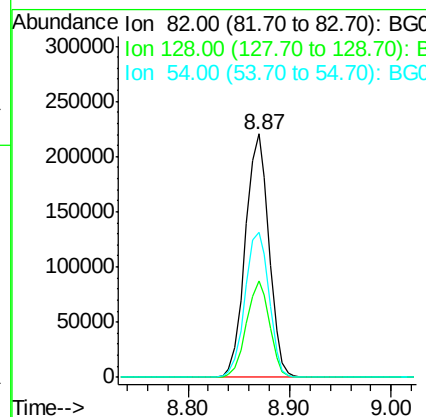
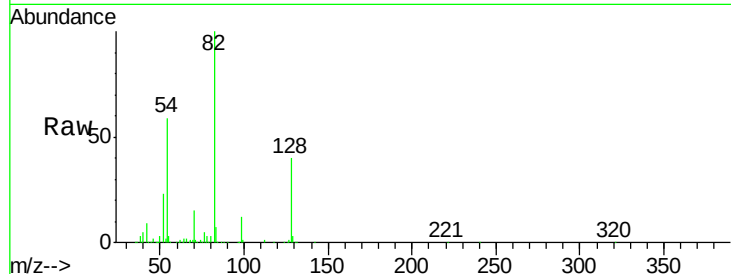




#23  
 Nitrobenzene-d5  
 Concen: 79.83 ng  
 RT: 8.87 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: BG017127.D  
 Acq: 14 May 2015 3:18

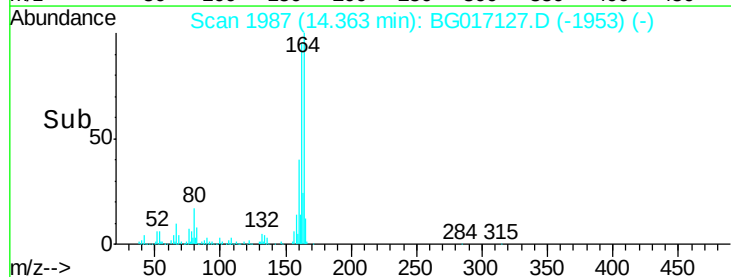
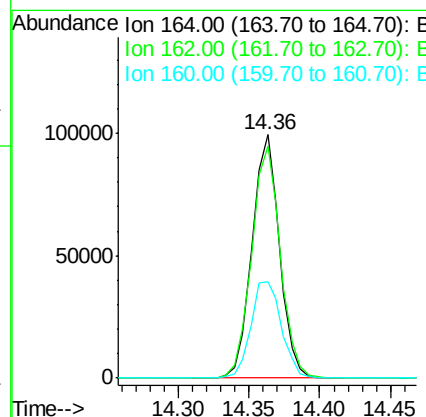
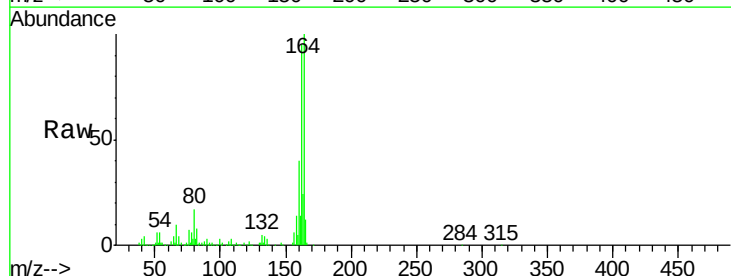
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU012-TW-05

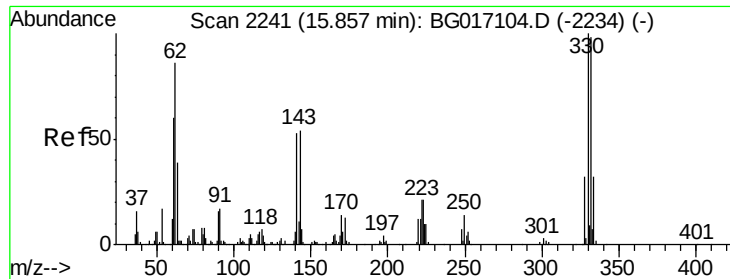
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.7  | 32.6  | 49.0  |
| 54      | 59.4  | 49.6  | 74.4  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.36 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: BG017127.D  
 Acq: 14 May 2015 3:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.4  | 82.1  | 123.1 |
| 160     | 39.8  | 34.8  | 52.2  |

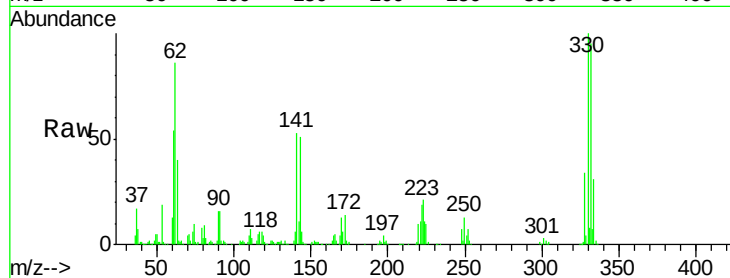




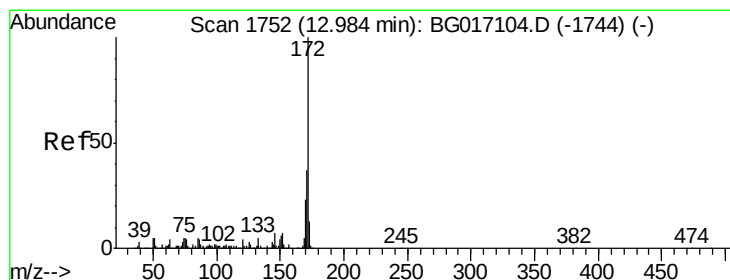
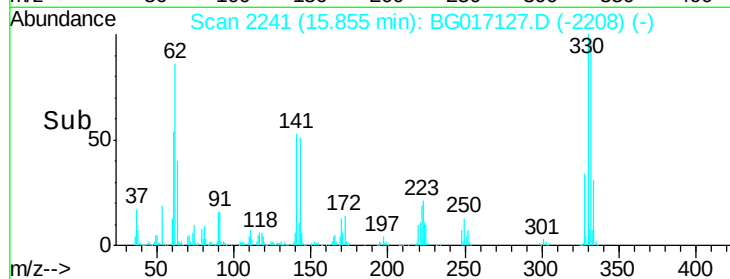
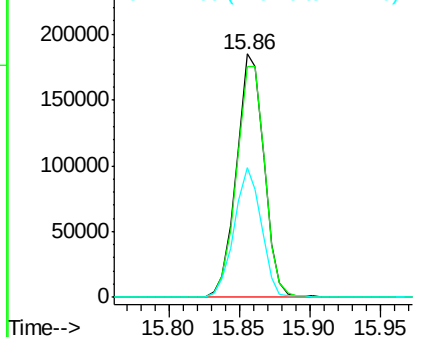
#41  
 2,4,6-Tribromophenol  
 Concen: 153.88 ng  
 RT: 15.86 min Scan# 2241  
 Delta R.T. -0.01 min  
 Lab File: BG017127.D  
 Acq: 14 May 2015 3:18

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU012-TW-05

Tgt Ion: 330 Resp: 251485  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 76.9 115.3  
 141 52.8 42.2 63.2

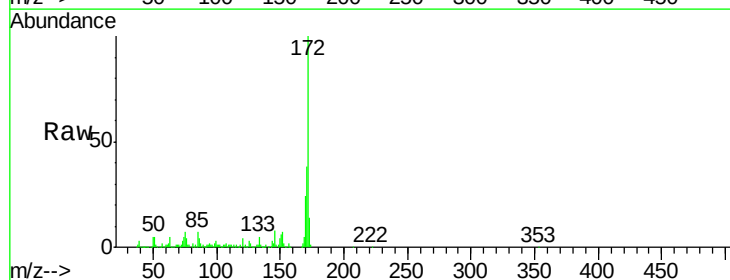


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

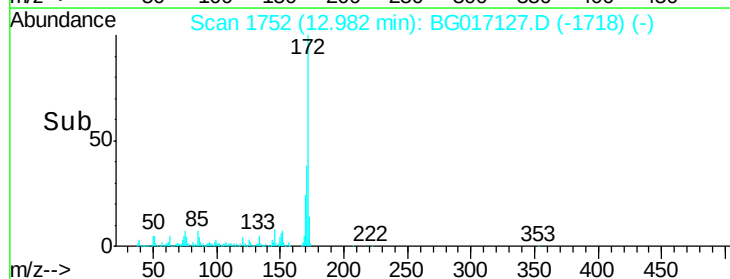
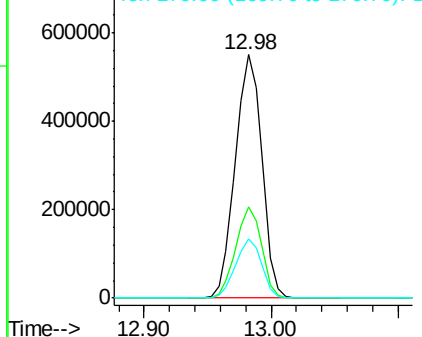


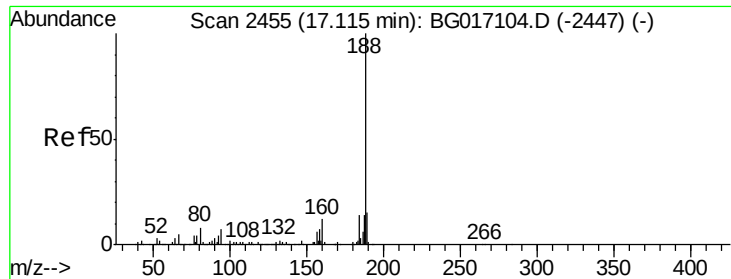
#44  
 2-Fluorobiphenyl  
 Concen: 86.61 ng  
 RT: 12.98 min Scan# 1752  
 Delta R.T. -0.00 min  
 Lab File: BG017127.D  
 Acq: 14 May 2015 3:18

Tgt Ion: 172 Resp: 797961  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.7 44.5  
 170 24.3 18.4 27.6



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

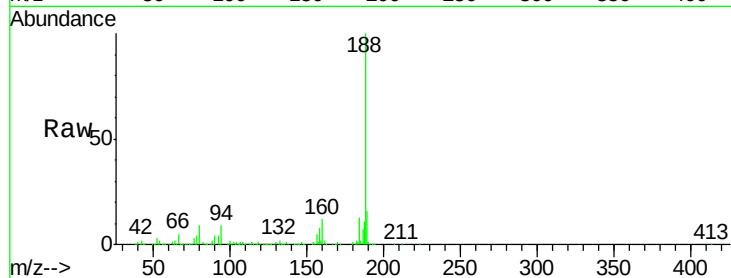




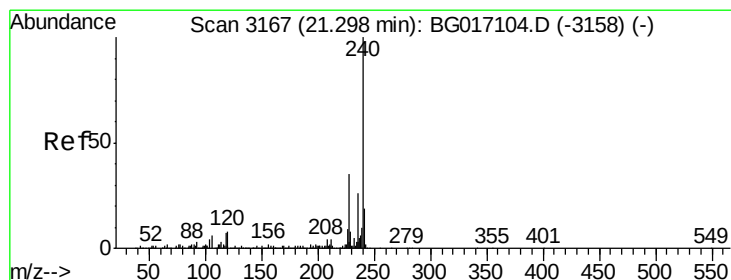
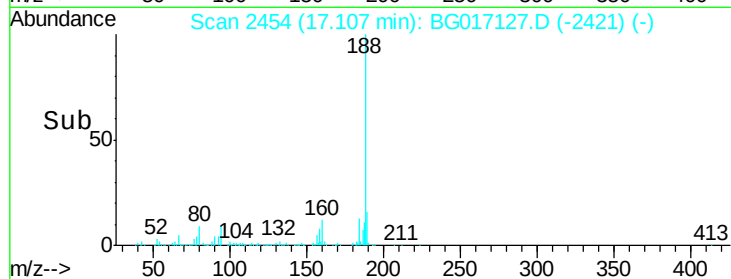
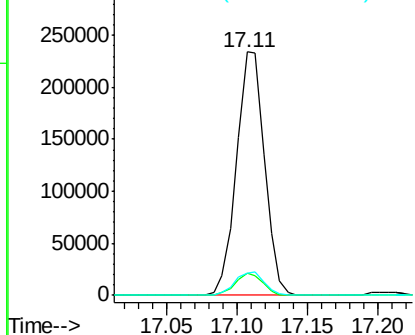
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.11 min Scan# 2454  
Delta R.T. -0.01 min  
Lab File: BG017127.D  
Acq: 14 May 2015 3:18

Instrument :  
BNA\_G  
ClientSampleId :  
TU012-TW-05

Tgt Ion:188 Resp: 324808  
Ion Ratio Lower Upper  
188 100  
94 9.2 5.8 8.6#  
80 9.1 6.5 9.7

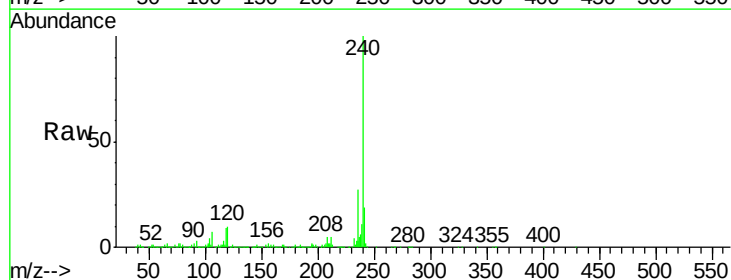


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): B  
Ion 80.00 (79.70 to 80.70): B

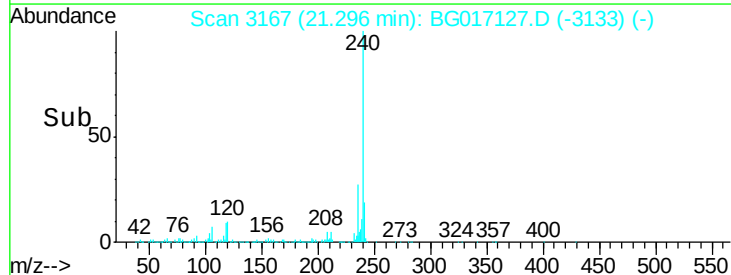
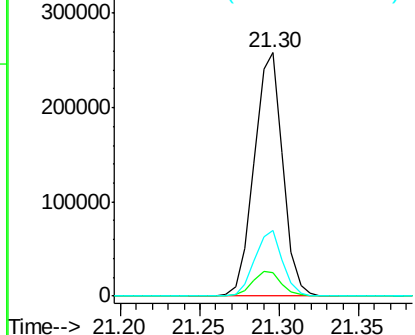


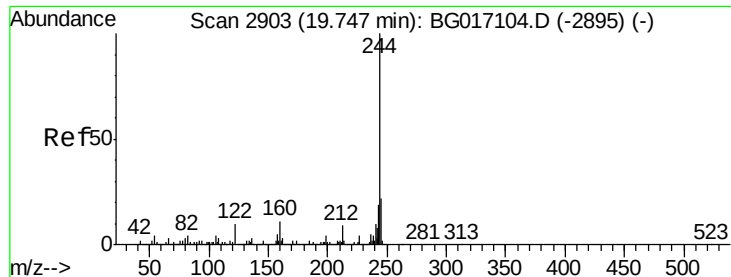
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.30 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: BG017127.D  
Acq: 14 May 2015 3:18

Tgt Ion:240 Resp: 323196  
Ion Ratio Lower Upper  
240 100  
120 9.8 6.0 9.0#  
236 26.9 20.5 30.7



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: 93.90 ng

RT: 19.74 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG017127.D

Acq: 14 May 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

TU012-TW-05

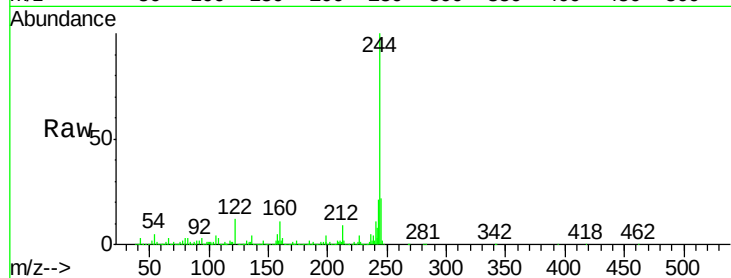
Tgt Ion:244 Resp: 1456337

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

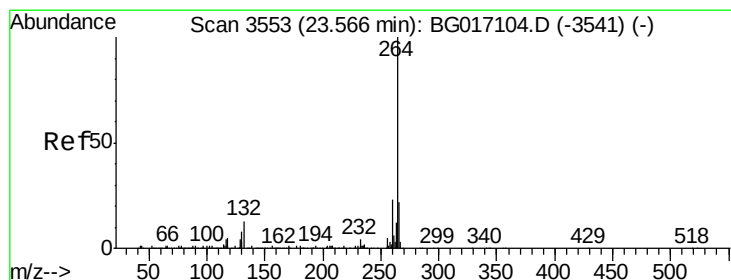
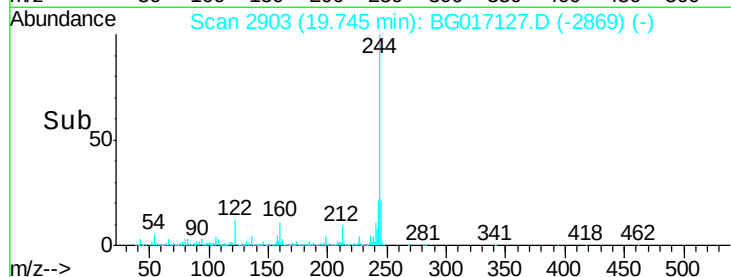
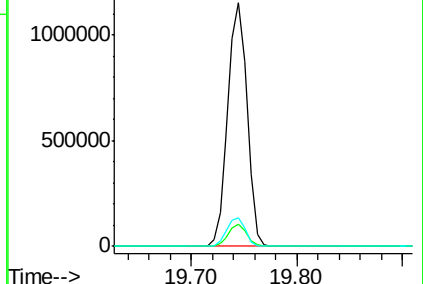
122 11.7 8.4 12.6



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: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG017127.D

Acq: 14 May 2015 3:18

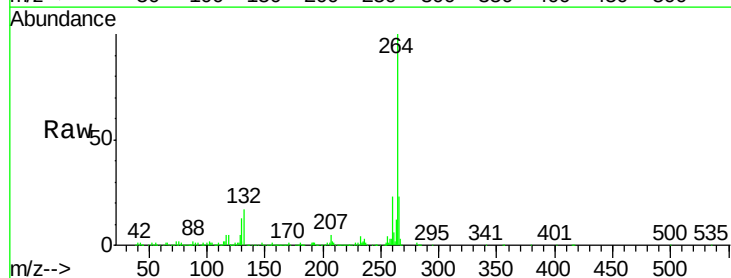
Tgt Ion:264 Resp: 313581

Ion Ratio Lower Upper

264 100

260 23.0 18.0 27.0

265 22.5 17.4 26.0



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

