

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071417\  
 Data File : BG027940.D  
 Acq On : 15 Jul 2017 00:58  
 Operator : SJ/JU  
 Sample : PB100554BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100554BL

Quant Time: Jul 15 01:49:20 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 16:10:34 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.37  | 152  | 56940    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.19 | 136  | 231705   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.98 | 164  | 162050   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.73 | 188  | 435196   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.06 | 240  | 523280   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.58 | 264  | 481436   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.95  | 112  | 440588   | 138.40 | ng    | 0.00     |
| 7) Phenol-d6                | 7.52  | 99   | 567781   | 123.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.54  | 82   | 335846   | 80.99  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.47 | 330  | 340029   | 141.59 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.60 | 172  | 1051607  | 85.58  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.31 | 244  | 1871299  | 80.86  | ng    | 0.00     |

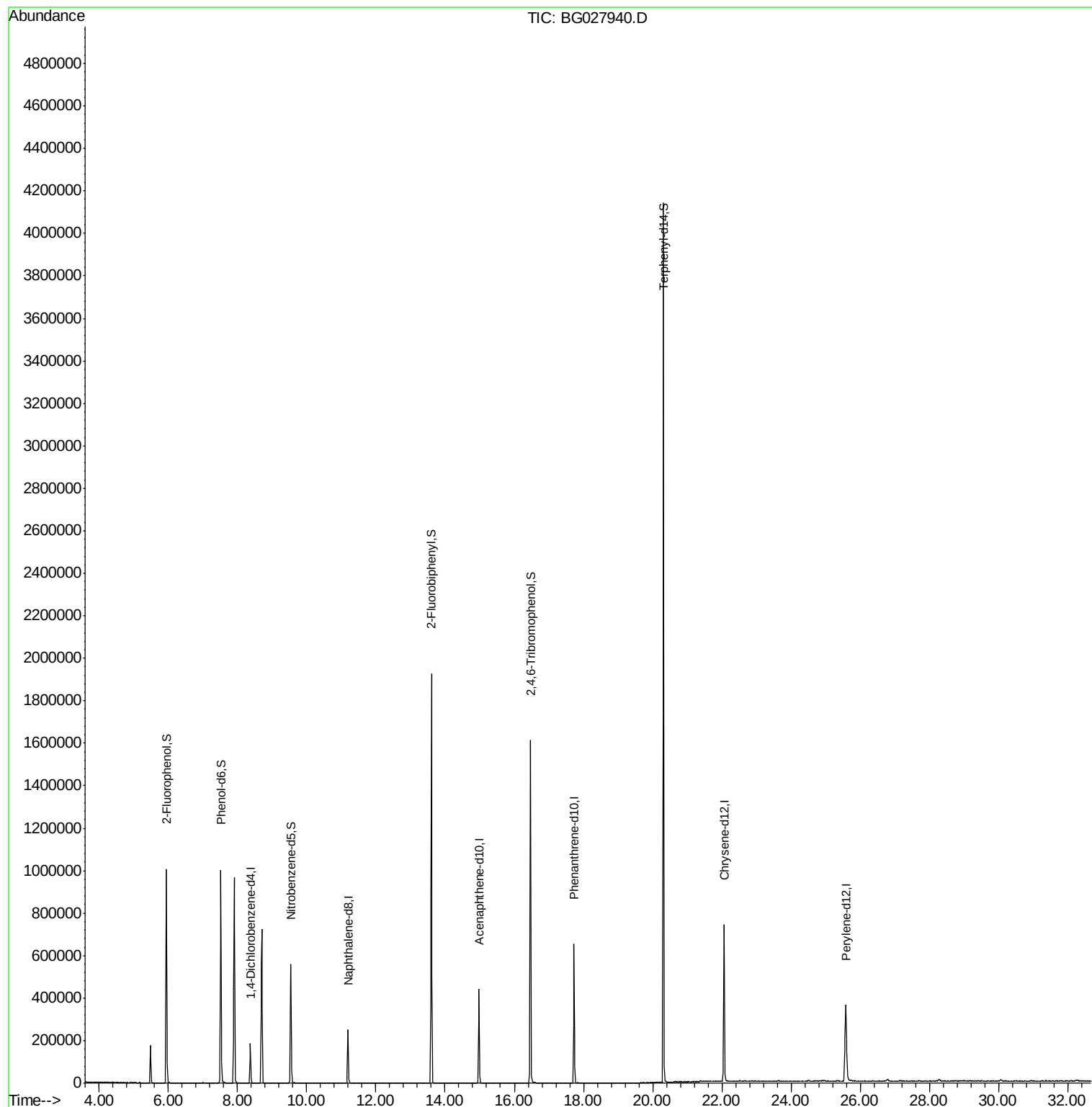
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

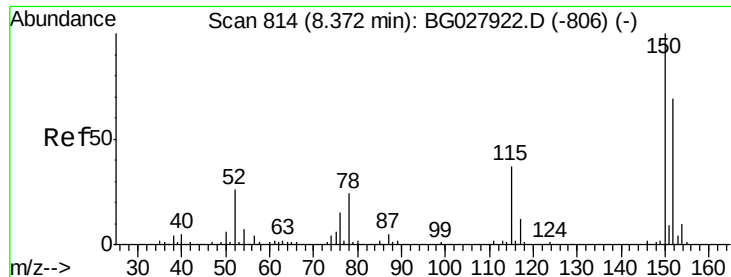
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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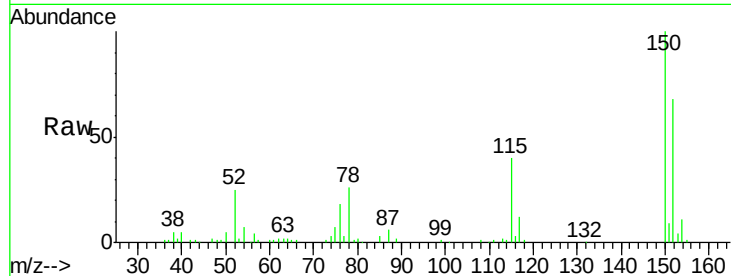


#1

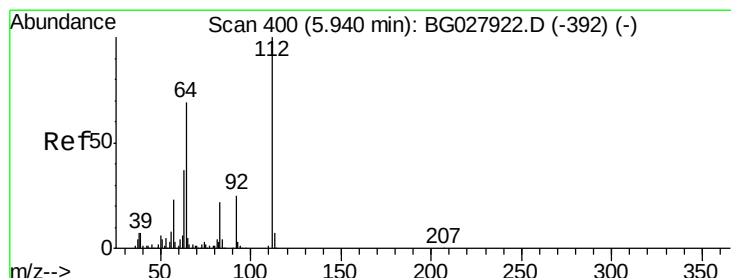
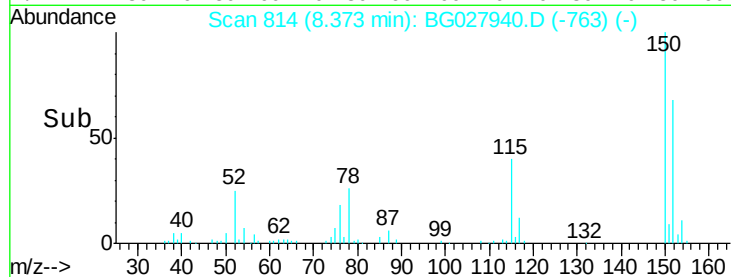
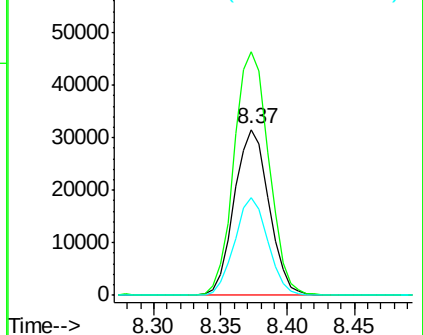
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.37 min Scan# 814  
 Delta R.T. 0.00 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100554BL

Tgt Ion:152 Resp: 56940  
 Ion Ratio Lower Upper  
 152 100  
 150 146.8 114.0 171.0  
 115 59.1 48.1 72.1



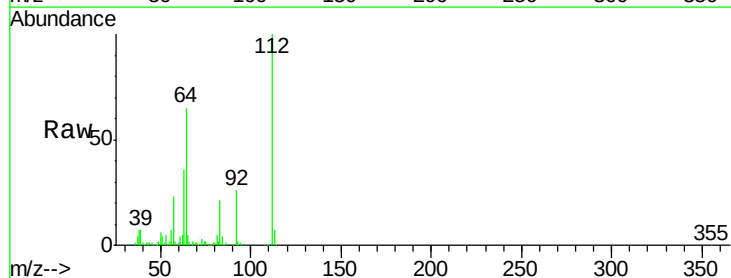
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



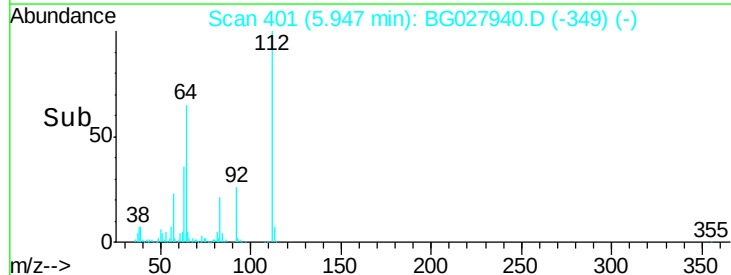
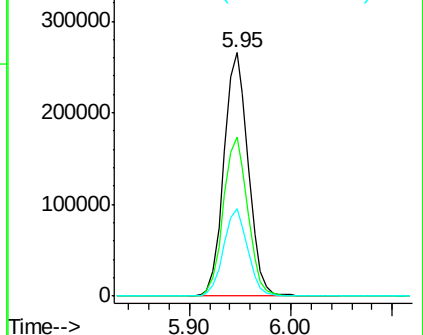
#5

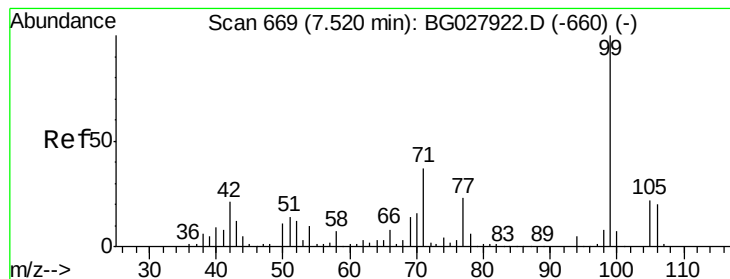
2-Fluorophenol  
 Concen: 138.405 ng  
 RT: 5.95 min Scan# 401  
 Delta R.T. 0.01 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

Tgt Ion:112 Resp: 440588  
 Ion Ratio Lower Upper  
 112 100  
 64 65.3 61.8 92.6  
 63 35.9 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: 123.798 ng

RT: 7.52 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG027940.D

Acq: 15 Jul 2017 00:58

Instrument :

BNA\_G

ClientSampleId :

PB100554BL

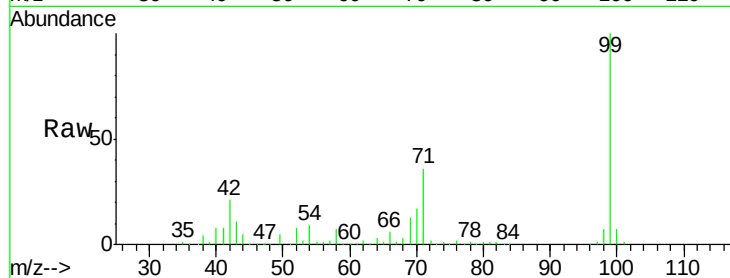
Tgt Ion: 99 Resp: 567781

Ion Ratio Lower Upper

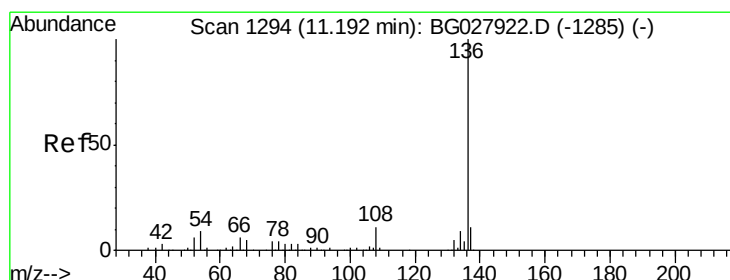
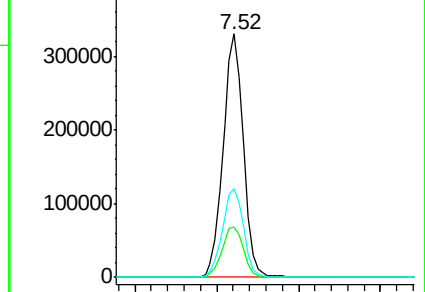
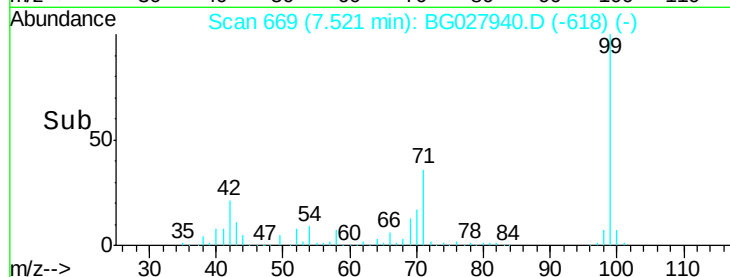
99 100

42 20.7 20.5 30.7

71 36.3 37.6 56.4#



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: 11.19 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG027940.D

Acq: 15 Jul 2017 00:58

Tgt Ion: 136 Resp: 231705

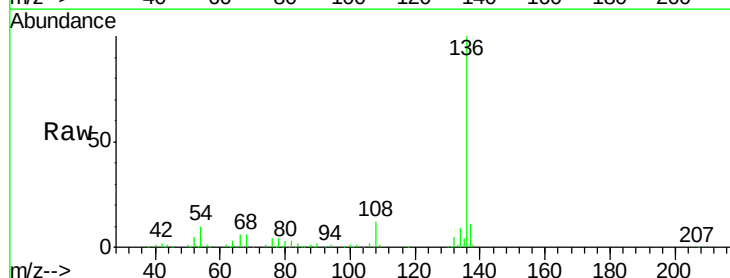
Ion Ratio Lower Upper

136 100

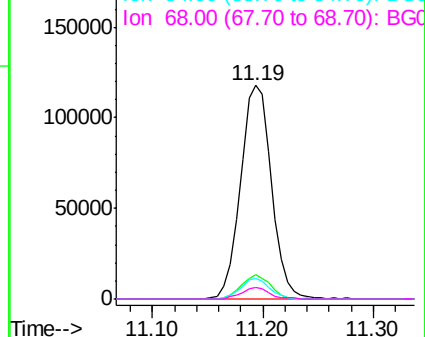
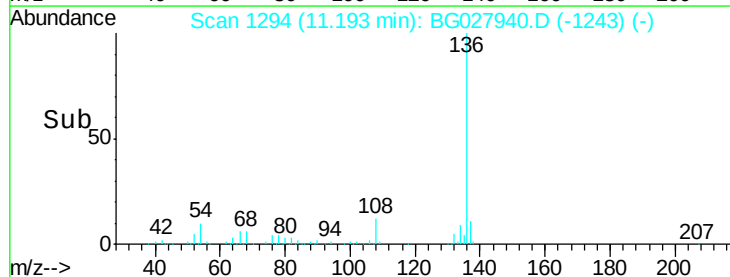
137 11.4 8.9 13.3

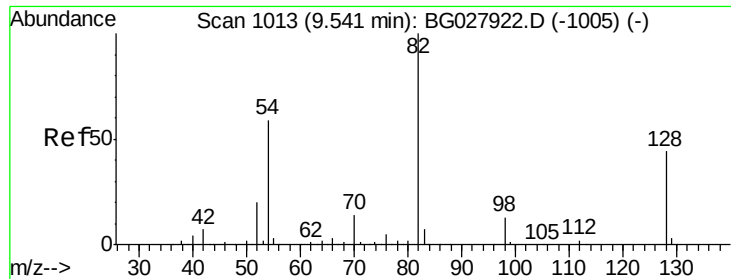
54 9.9 9.3 13.9

68 5.5 5.1 7.7



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

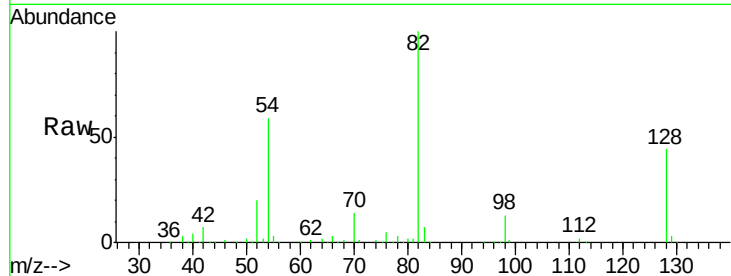




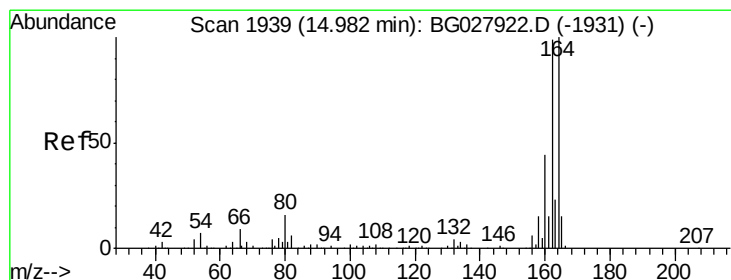
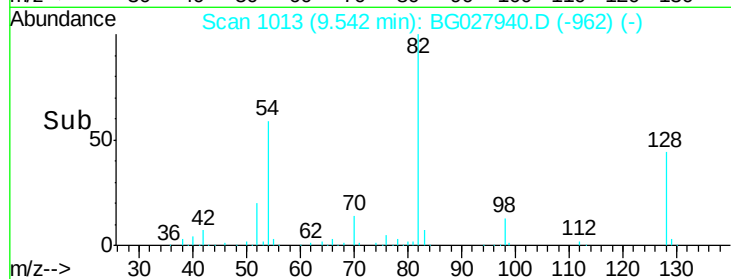
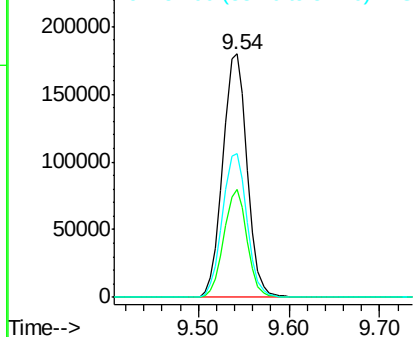
#23  
 Nitrobenzene-d5  
 Concen: 80.988 ng  
 RT: 9.54 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100554BL

Tgt Ion: 82 Resp: 335846  
 Ion Ratio Lower Upper  
 82 100  
 128 44.2 26.4 39.6#  
 54 59.2 49.4 74.2

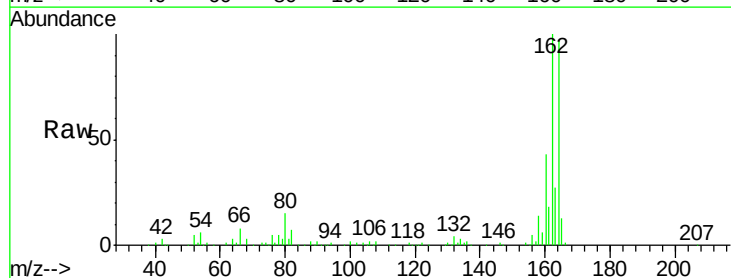


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

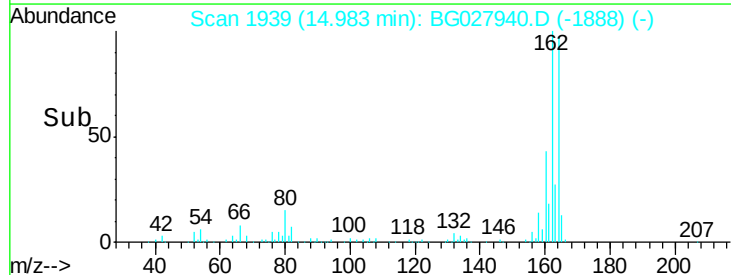
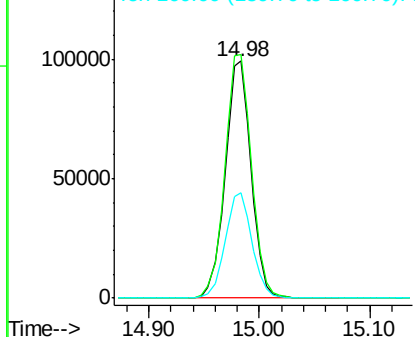


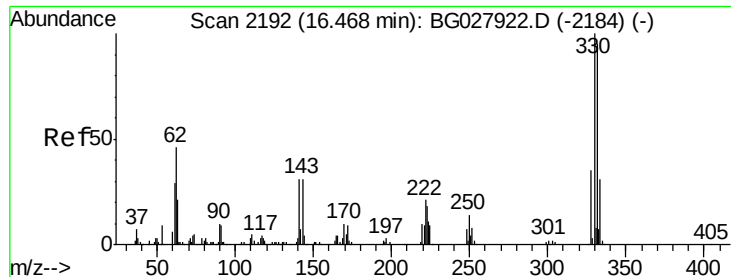
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.98 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

Tgt Ion: 164 Resp: 162050  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 85.1 127.7  
 160 44.5 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

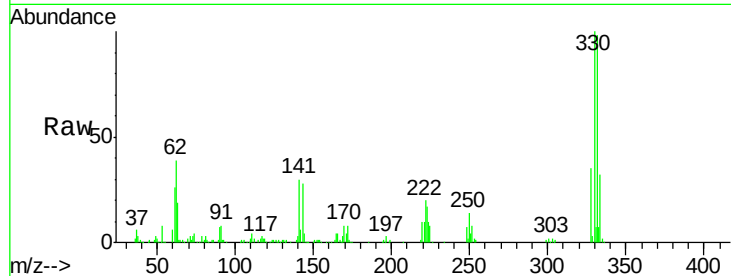




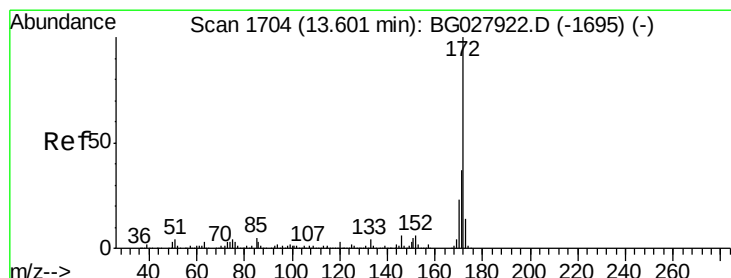
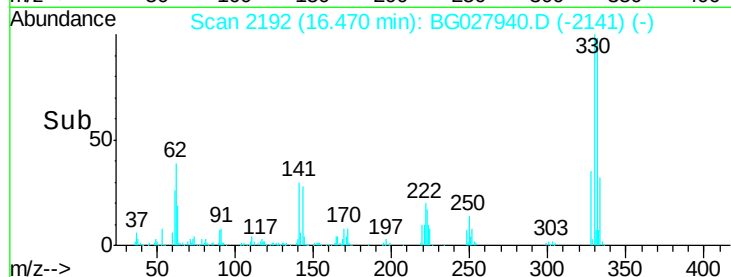
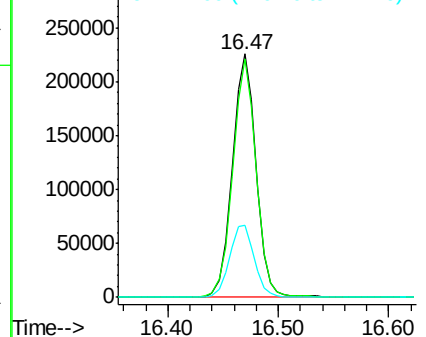
#41  
 2,4,6-Tribromophenol  
 Concen: 141.588 ng  
 RT: 16.47 min Scan# 2192  
 Delta R.T. 0.00 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB100554BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.3  | 115.9 |
| 141     | 31.1  | 32.1  | 48.1# |

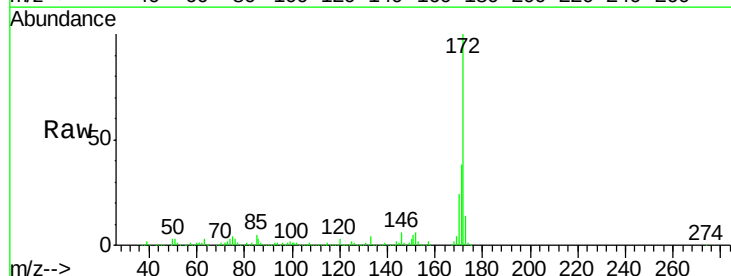


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

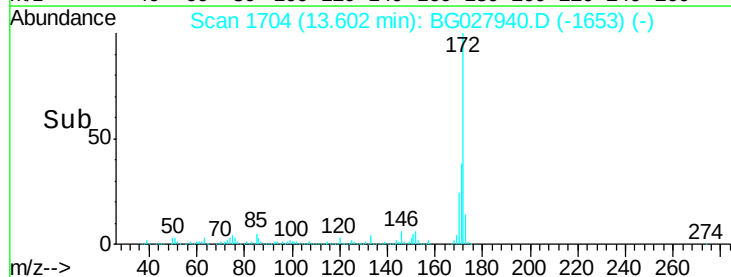
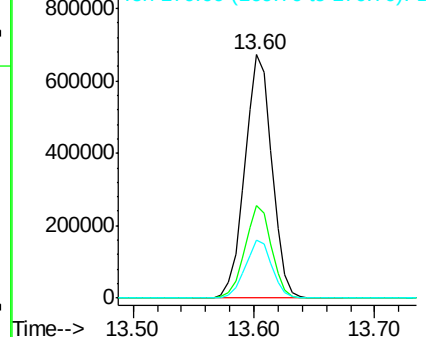


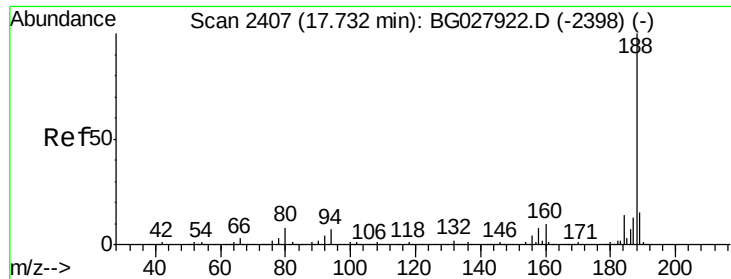
#44  
 2-Fluorobiphenyl  
 Concen: 85.583 ng  
 RT: 13.60 min Scan# 1704  
 Delta R.T. 0.00 min  
 Lab File: BG027940.D  
 Acq: 15 Jul 2017 00:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 32.2  | 48.2  |
| 170     | 23.6  | 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

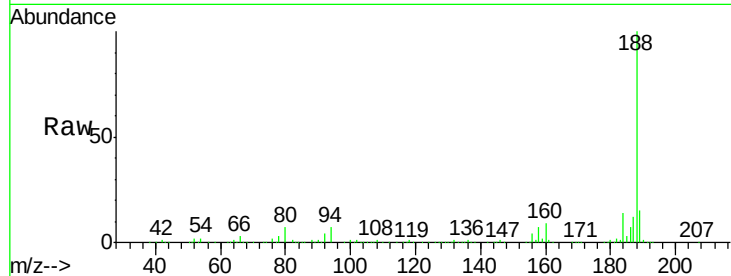




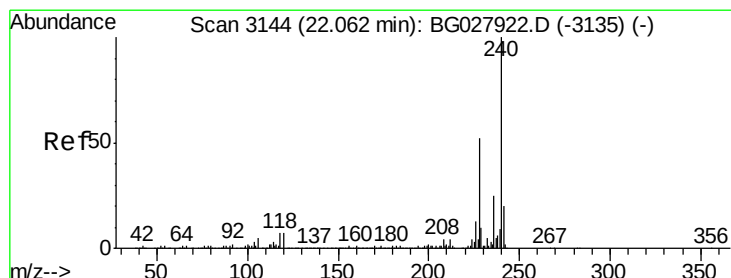
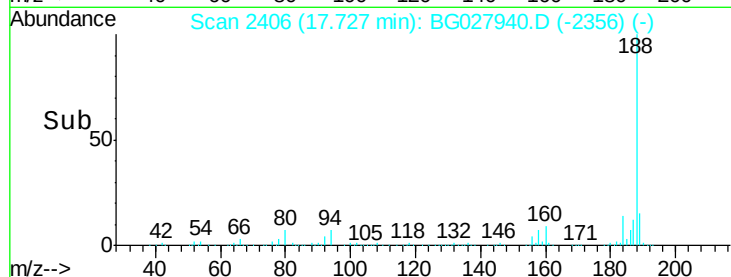
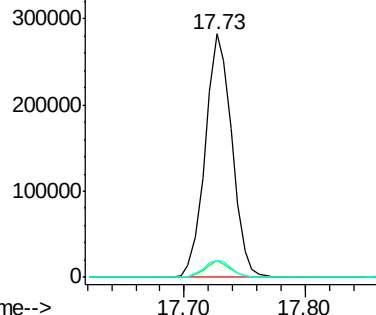
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.73 min Scan# 2406  
Delta R.T. -0.00 min  
Lab File: BG027940.D  
Acq: 15 Jul 2017 00:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB100554BL

Tgt Ion:188 Resp: 435196  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.8 8.8  
80 6.8 7.5 11.3#

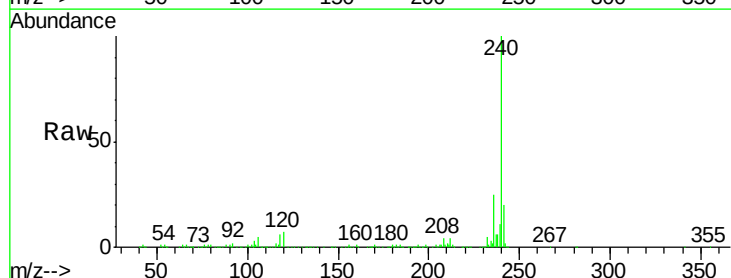


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

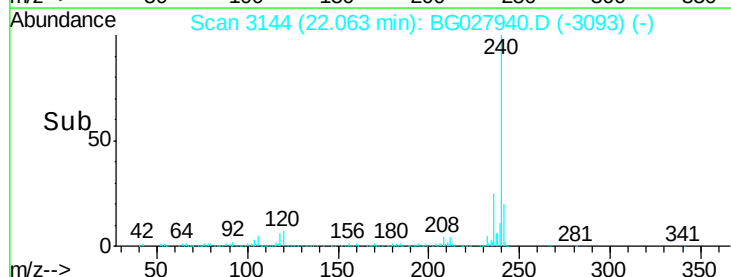
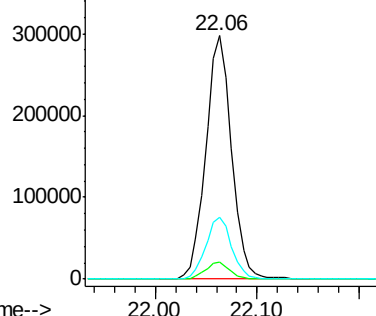


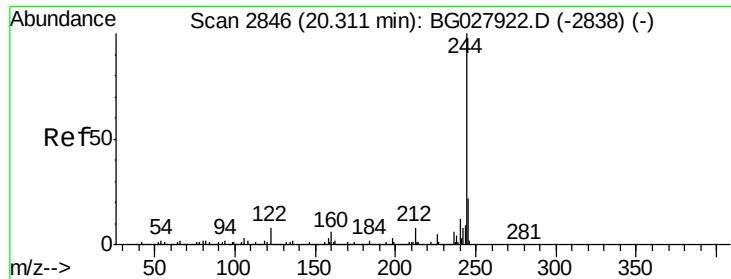
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.06 min Scan# 3144  
Delta R.T. 0.00 min  
Lab File: BG027940.D  
Acq: 15 Jul 2017 00:58

Tgt Ion:240 Resp: 523280  
Ion Ratio Lower Upper  
240 100  
120 6.8 5.7 8.5  
236 25.3 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: 80.857 ng

RT: 20.31 min Scan# 2846

Delta R.T. 0.00 min

Lab File: BG027940.D

Acq: 15 Jul 2017 00:58

Instrument :

BNA\_G

ClientSampleId :

PB100554BL

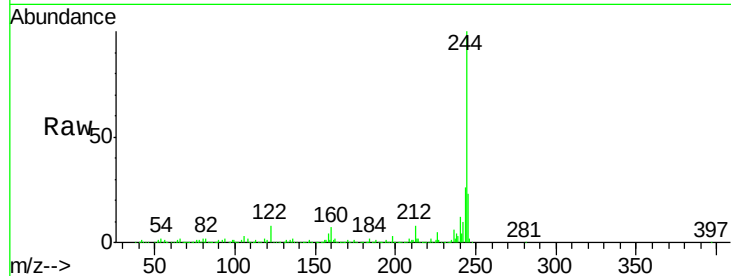
Tgt Ion:244 Resp: 1871299

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

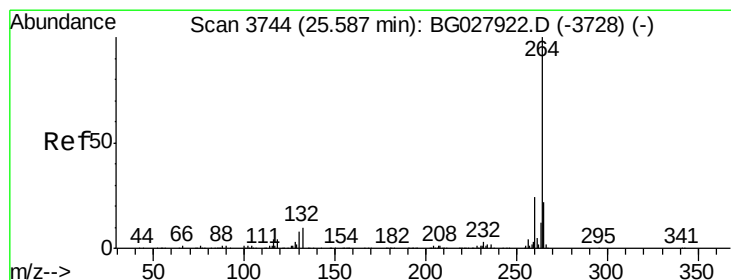
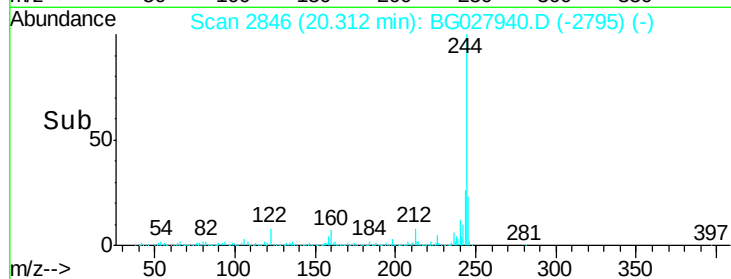
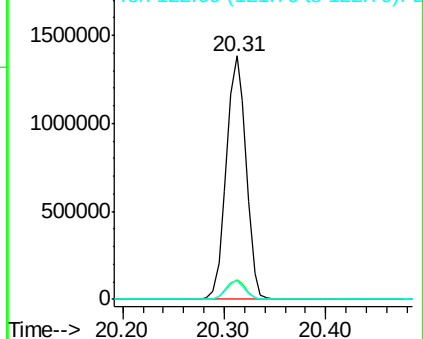
122 7.8 8.6 12.8#



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: 20.000 ng

RT: 25.58 min Scan# 3743

Delta R.T. -0.00 min

Lab File: BG027940.D

Acq: 15 Jul 2017 00:58

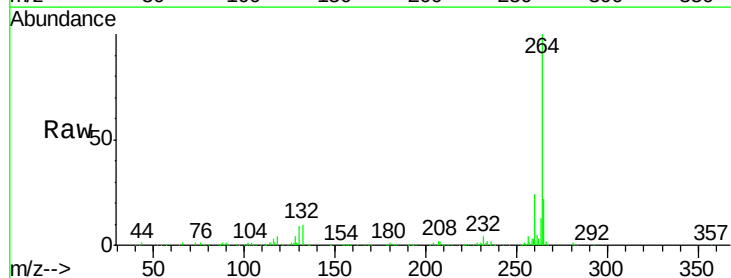
Tgt Ion:264 Resp: 481436

Ion Ratio Lower Upper

264 100

260 23.8 21.8 32.8

265 21.8 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

