

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060617\  
 Data File : BG027258.D  
 Acq On : 6 Jun 2017 20:49  
 Operator : SJ/MA  
 Sample : PB99501BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB99501BL

Quant Time: Jun 07 05:17:24 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 50985    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.38 | 136  | 233749   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 15.14 | 164  | 149154   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.89 | 188  | 372196   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 22.28 | 240  | 416424   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 25.98 | 264  | 390601   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.15  | 112  | 492265   | 147.33 | ng    | 0.00     |
| 7) Phenol-d6                | 7.69  | 99   | 671689   | 136.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.73  | 82   | 357446   | 96.17  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.63 | 330  | 288647   | 146.96 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.77 | 172  | 921628   | 86.44  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.47 | 244  | 1474283  | 90.31  | ng    | -0.02    |

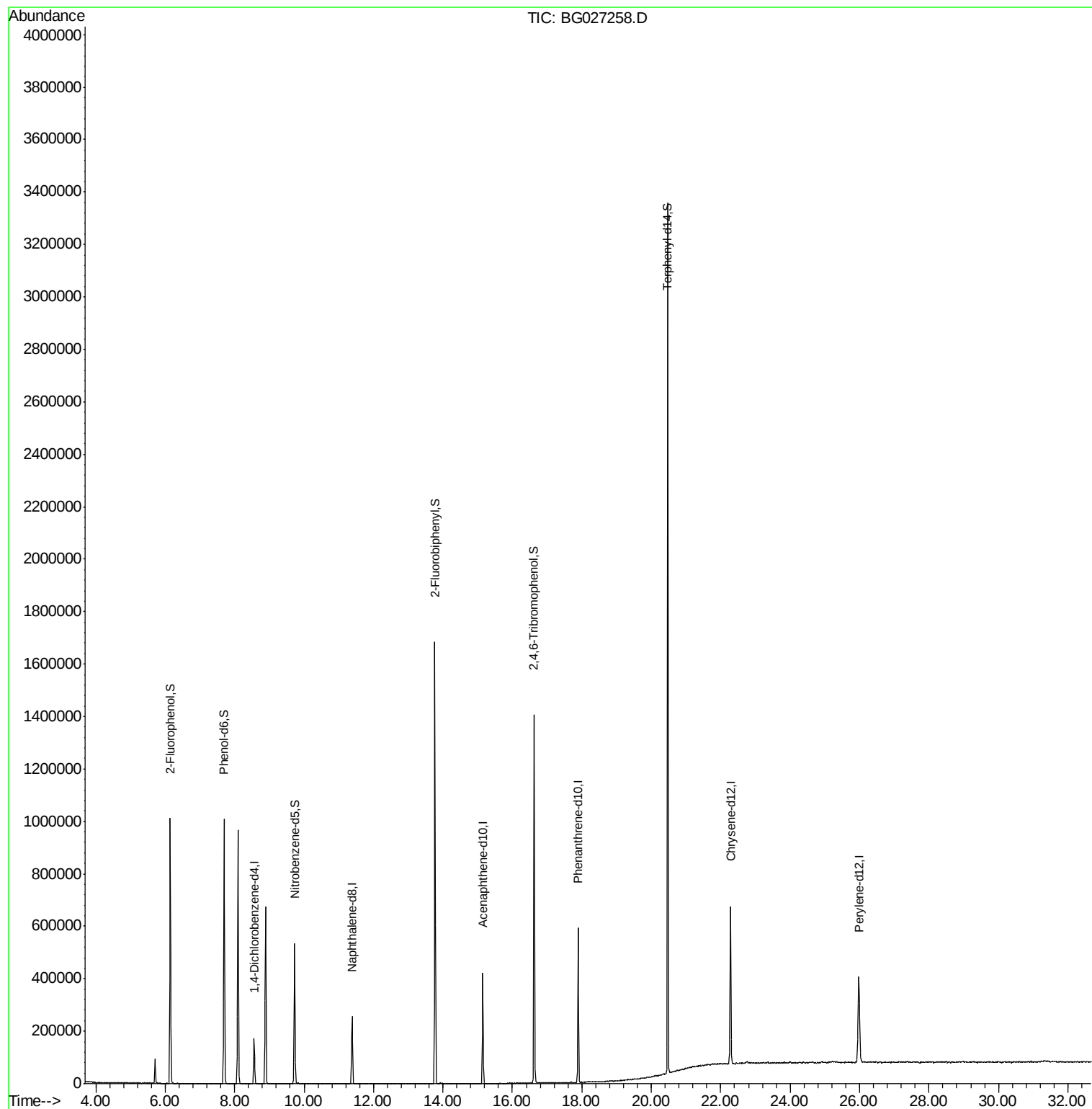
Target Compounds Qvalue

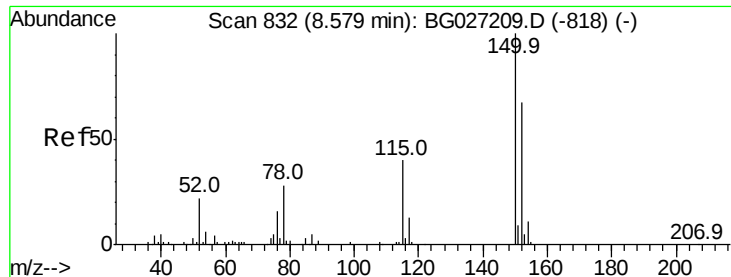
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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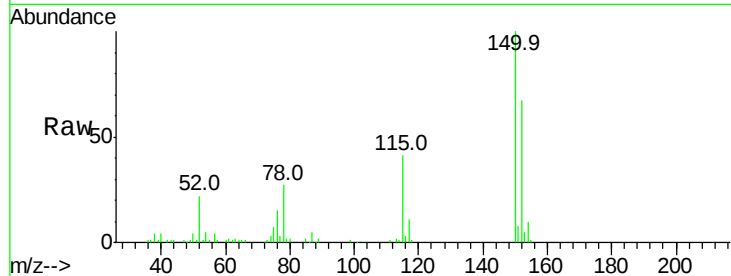


#1

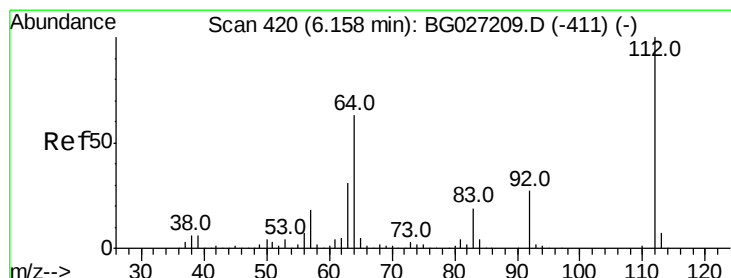
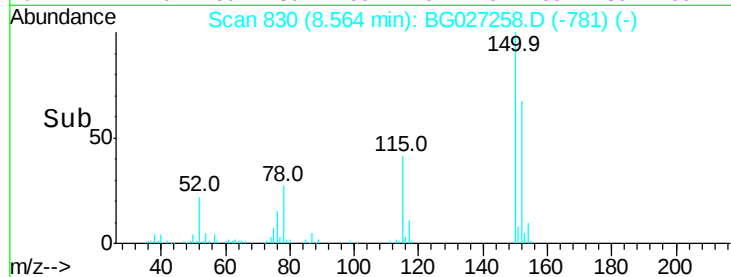
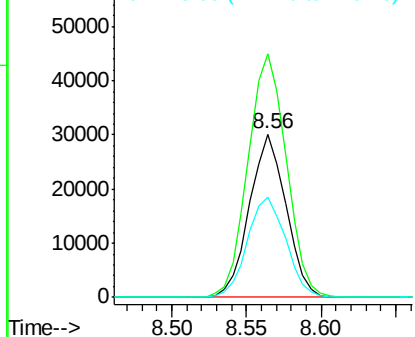
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.56 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BG027258.D  
Acq: 6 Jun 2017 20:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB99501BL

Tot Ion:152 Resp: 50985  
Ion Ratio Lower Upper  
152 100  
150 149.2 114.0 171.0  
115 61.8 48.1 72.1



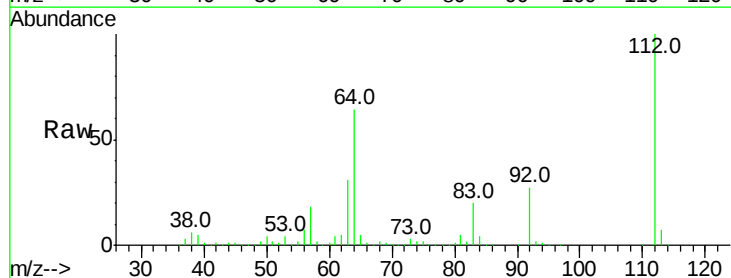
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



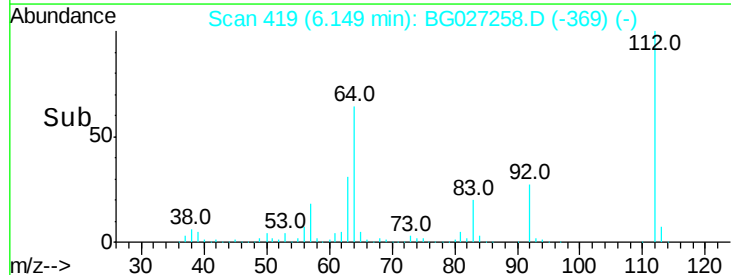
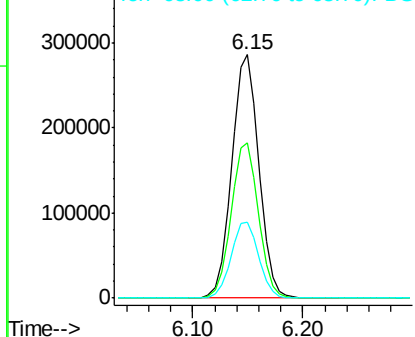
#5

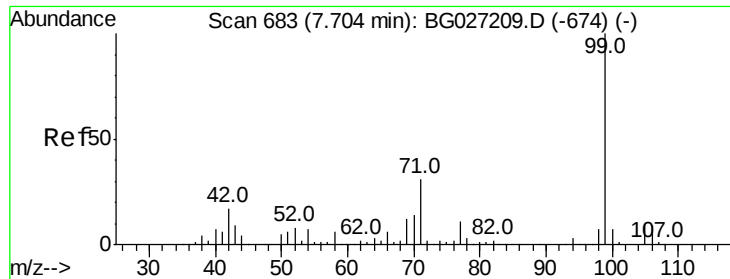
2-Fluorophenol  
Concen: 147.33 ng  
RT: 6.15 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG027258.D  
Acq: 6 Jun 2017 20:49

Tgt Ion:112 Resp: 492265  
Ion Ratio Lower Upper  
112 100  
64 63.6 61.8 92.6  
63 31.3 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: 136.95 ng

RT: 7.69 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027258.D

Acq: 6 Jun 2017 20:49

Instrument :

BNA\_G

ClientSampleId :

PB99501BL

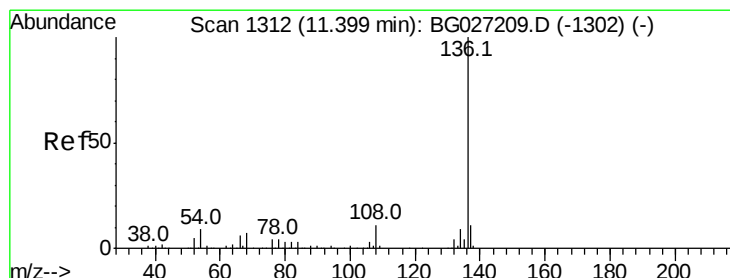
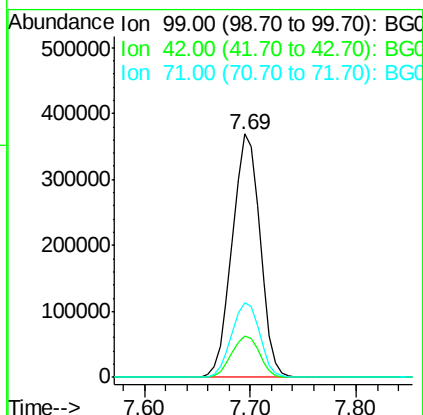
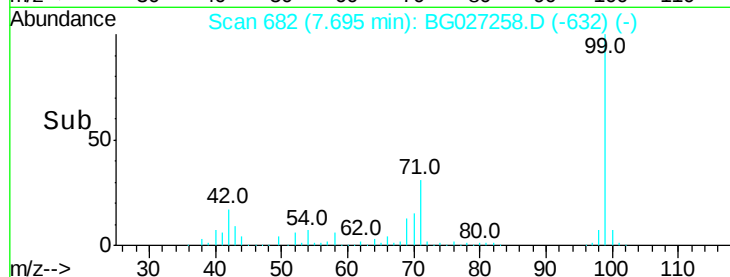
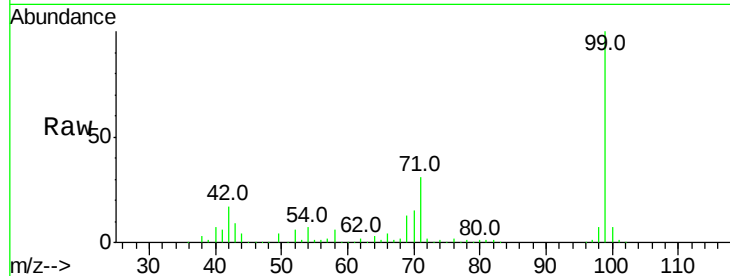
Tot Ion: 99 Resp: 671689

Ion Ratio Lower Upper

99 100

42 16.7 20.5 30.7#

71 30.9 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.38 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG027258.D

Acq: 6 Jun 2017 20:49

Tgt Ion: 136 Resp: 233749

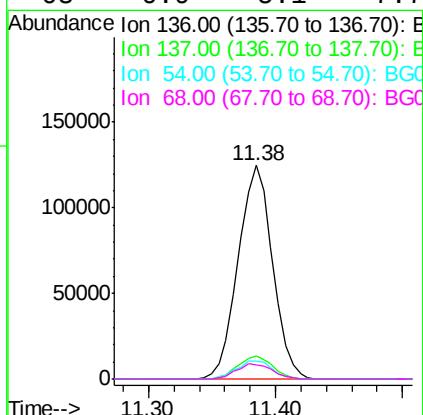
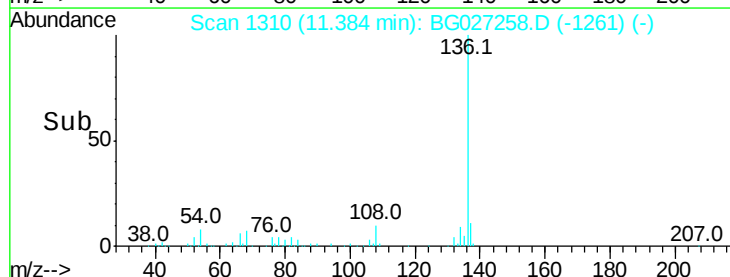
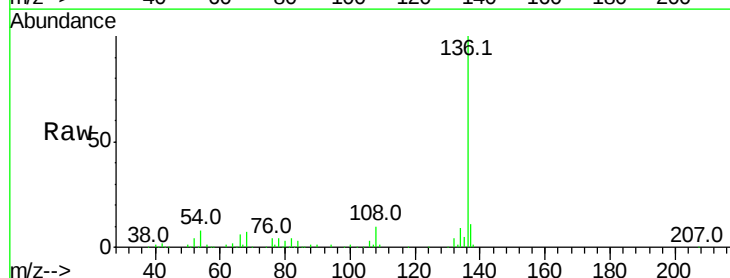
Ion Ratio Lower Upper

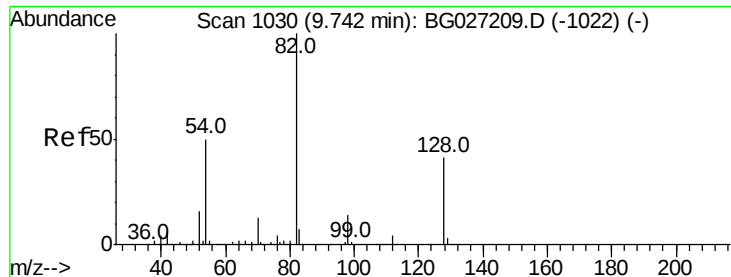
136 100

137 10.6 8.9 13.3

54 8.4 9.3 13.9#

68 6.9 5.1 7.7

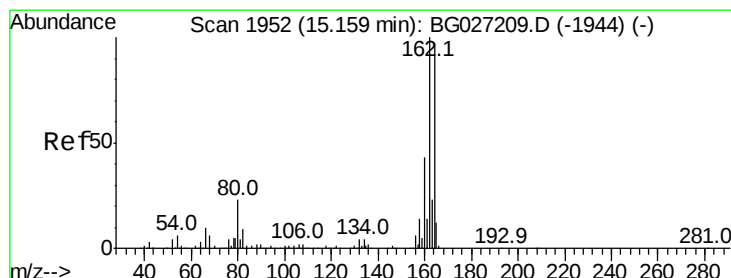
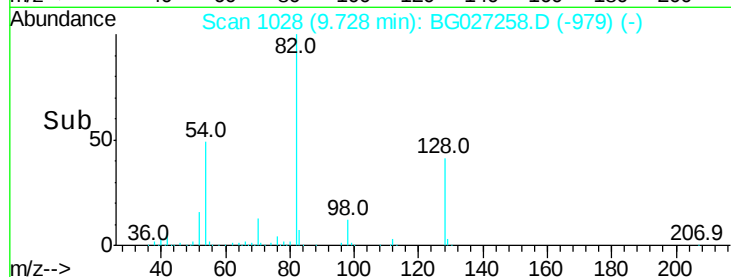
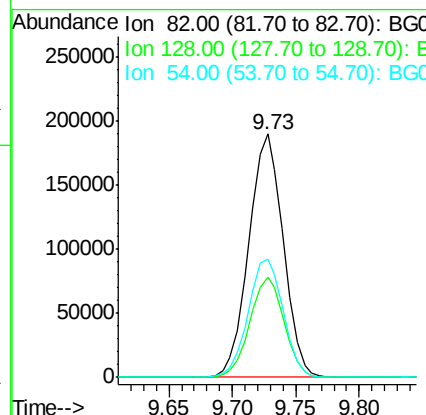
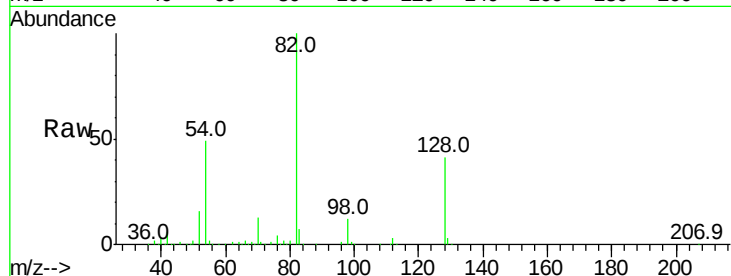




#23  
 Nitrobenzene-d5  
 Concen: 96.17 ng  
 RT: 9.73 min Scan# 1028  
 Delta R.T. -0.01 min  
 Lab File: BG027258.D  
 Acq: 6 Jun 2017 20:49

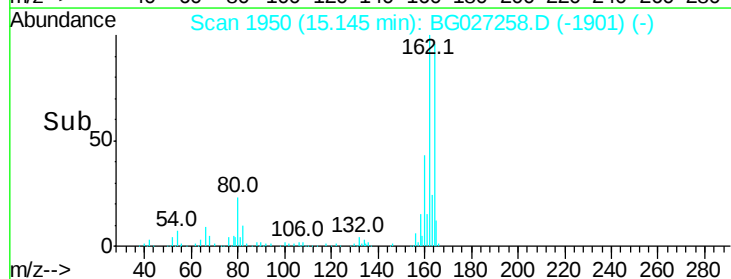
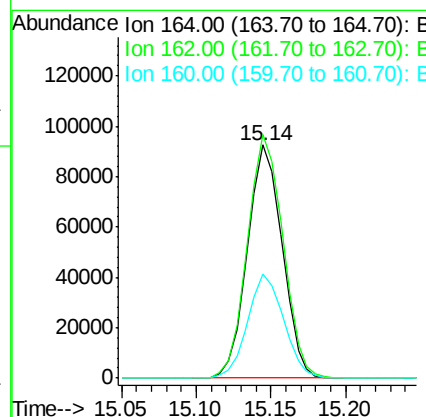
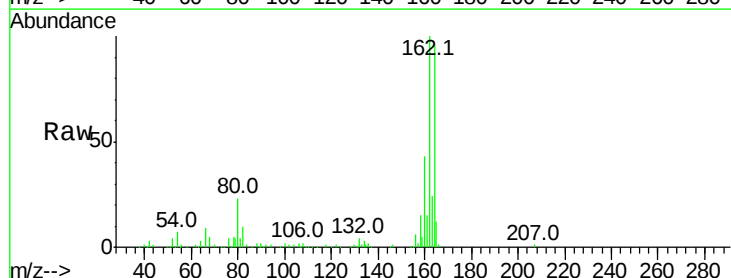
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB99501BL

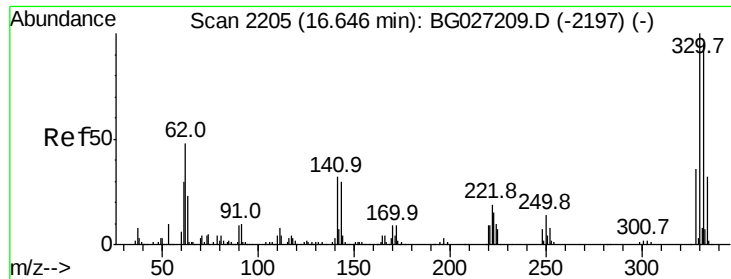
Tot Ion: 82 Resp: 357446  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 26.4 39.6#  
 54 48.7 49.4 74.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.14 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BG027258.D  
 Acq: 6 Jun 2017 20:49

Tgt Ion:164 Resp: 149154  
 Ion Ratio Lower Upper  
 164 100  
 162 104.5 85.1 127.7  
 160 44.8 34.7 52.1

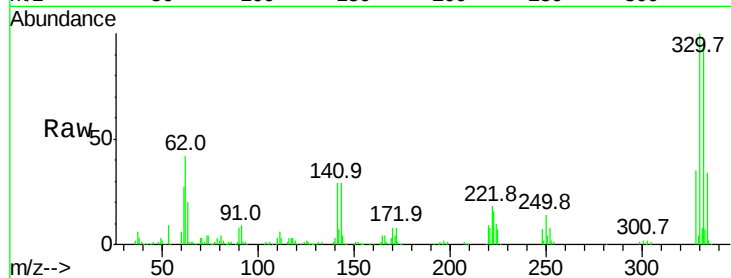




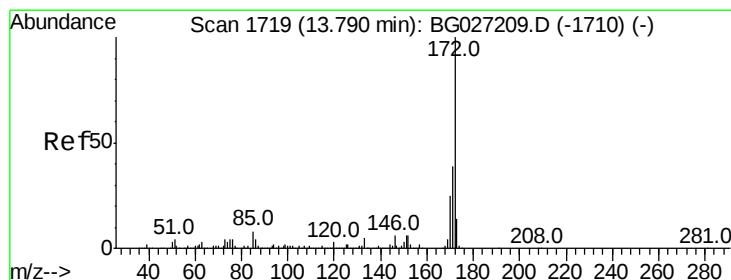
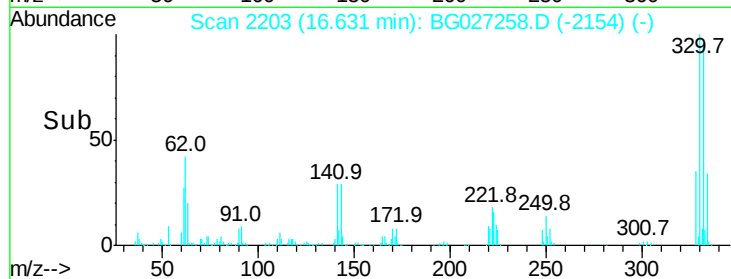
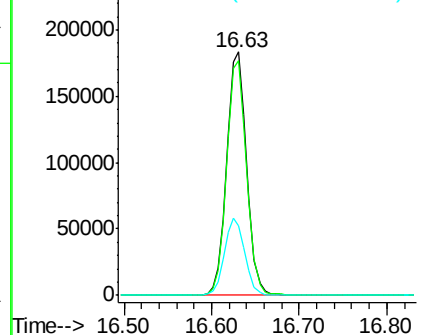
#41  
 2,4,6-Tribromophenol  
 Concen: 146.96 ng  
 RT: 16.63 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BG027258.D  
 Acq: 6 Jun 2017 20:49

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB99501BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.3  | 115.9 |
| 141     | 32.4  | 32.1  | 48.1  |

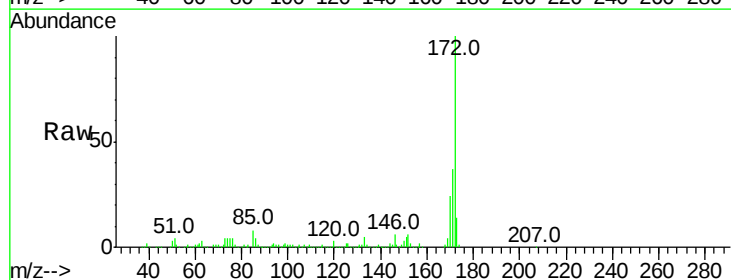


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

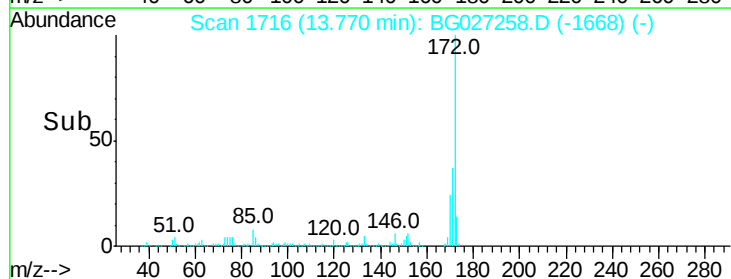
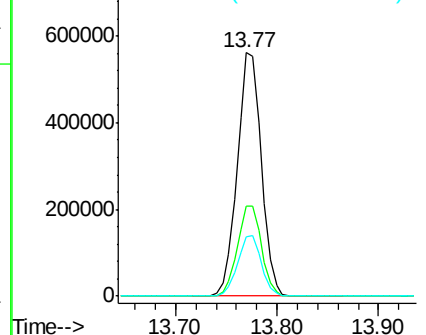


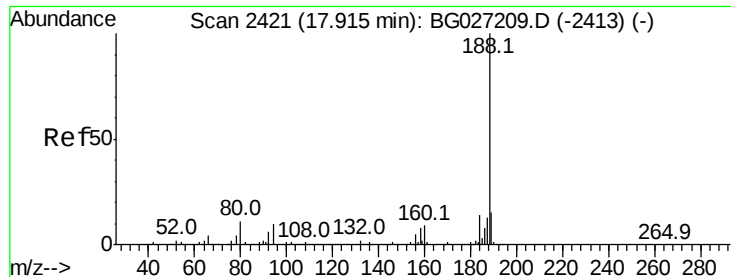
#44  
 2-Fluorobiphenyl  
 Concen: 86.44 ng  
 RT: 13.77 min Scan# 1716  
 Delta R.T. -0.02 min  
 Lab File: BG027258.D  
 Acq: 6 Jun 2017 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 32.2  | 48.2  |
| 170     | 24.2  | 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

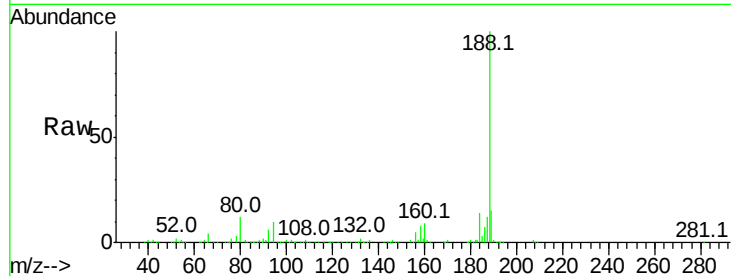




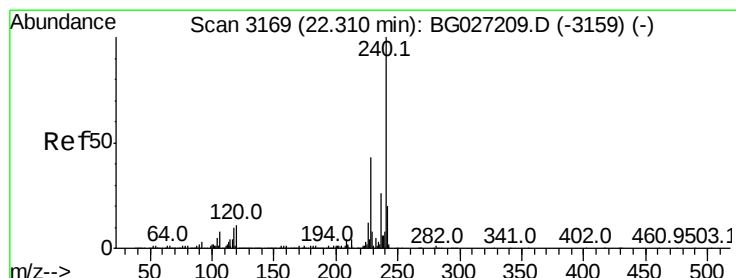
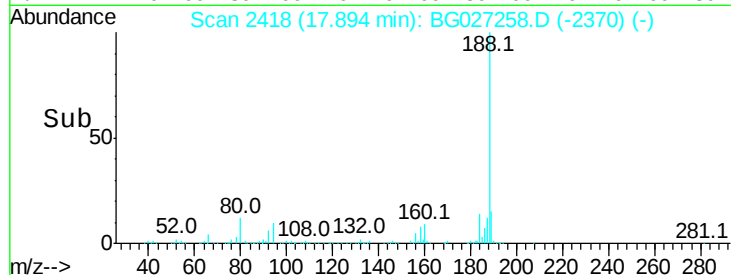
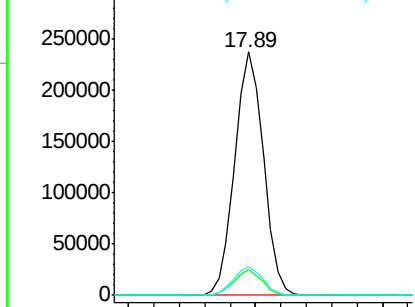
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.89 min Scan# 2418  
Delta R.T. -0.02 min  
Lab File: BG027258.D  
Acq: 6 Jun 2017 20:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB99501BL

Tot Ion:188 Resp: 372196  
Ion Ratio Lower Upper  
188 100  
94 10.5 5.8 8.8#  
80 11.5 7.5 11.3#

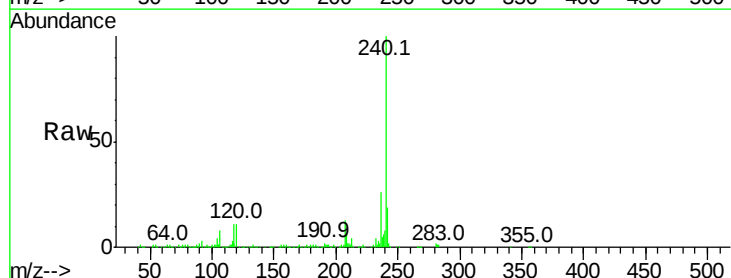


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

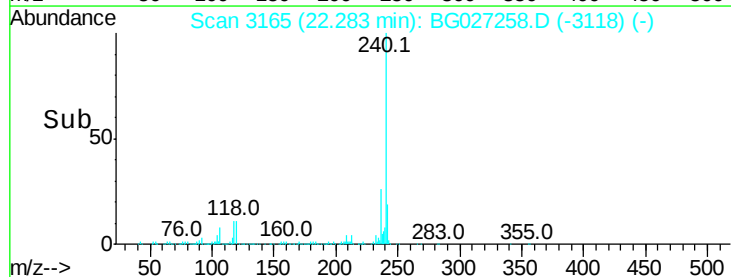
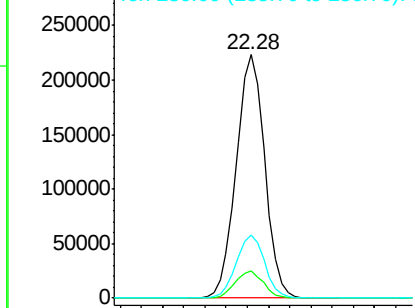


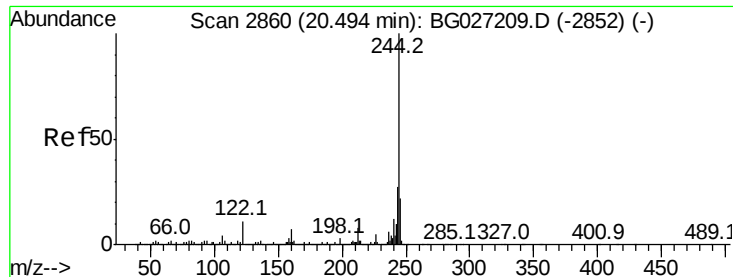
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.28 min Scan# 3165  
Delta R.T. -0.03 min  
Lab File: BG027258.D  
Acq: 6 Jun 2017 20:49

Tgt Ion:240 Resp: 416424  
Ion Ratio Lower Upper  
240 100  
120 11.2 5.7 8.5#  
236 26.2 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: 90.31 ng

RT: 20.47 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG027258.D

Acq: 6 Jun 2017 20:49

Instrument :

BNA\_G

ClientSampleId :

PB99501BL

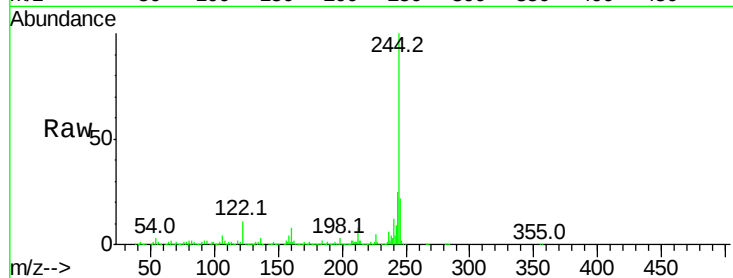
Tot Ion:244 Resp: 1474283

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

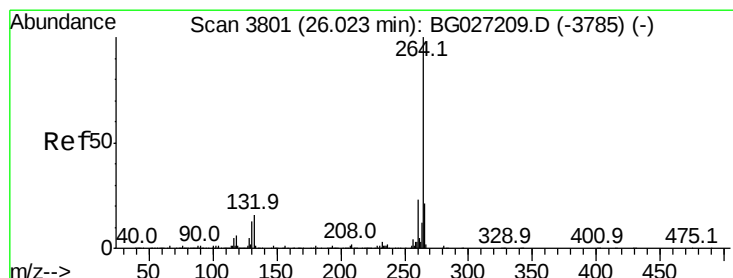
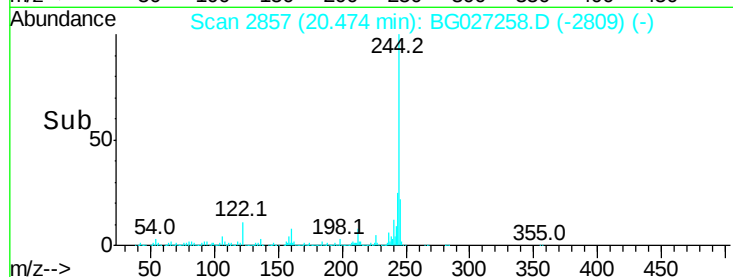
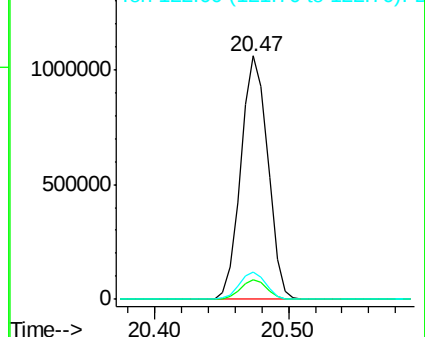
122 11.4 8.6 12.8



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: 25.98 min Scan# 3794

Delta R.T. -0.04 min

Lab File: BG027258.D

Acq: 6 Jun 2017 20:49

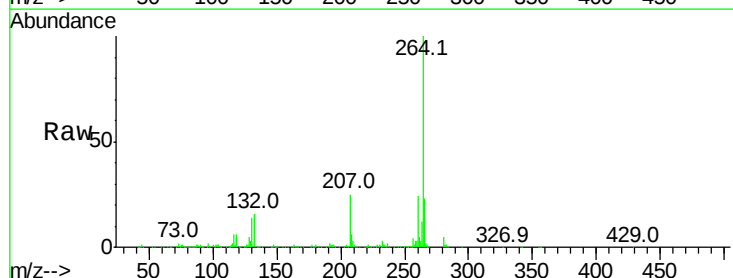
Tgt Ion:264 Resp: 390601

Ion Ratio Lower Upper

264 100

260 24.0 21.8 32.8

265 22.6 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

