

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060817\  
 Data File : BG027333.D  
 Acq On : 9 Jun 2017 1:32  
 Operator : SJ/MA  
 Sample : I3479-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-7-20170604

Quant Time: Jun 09 06:58:55 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

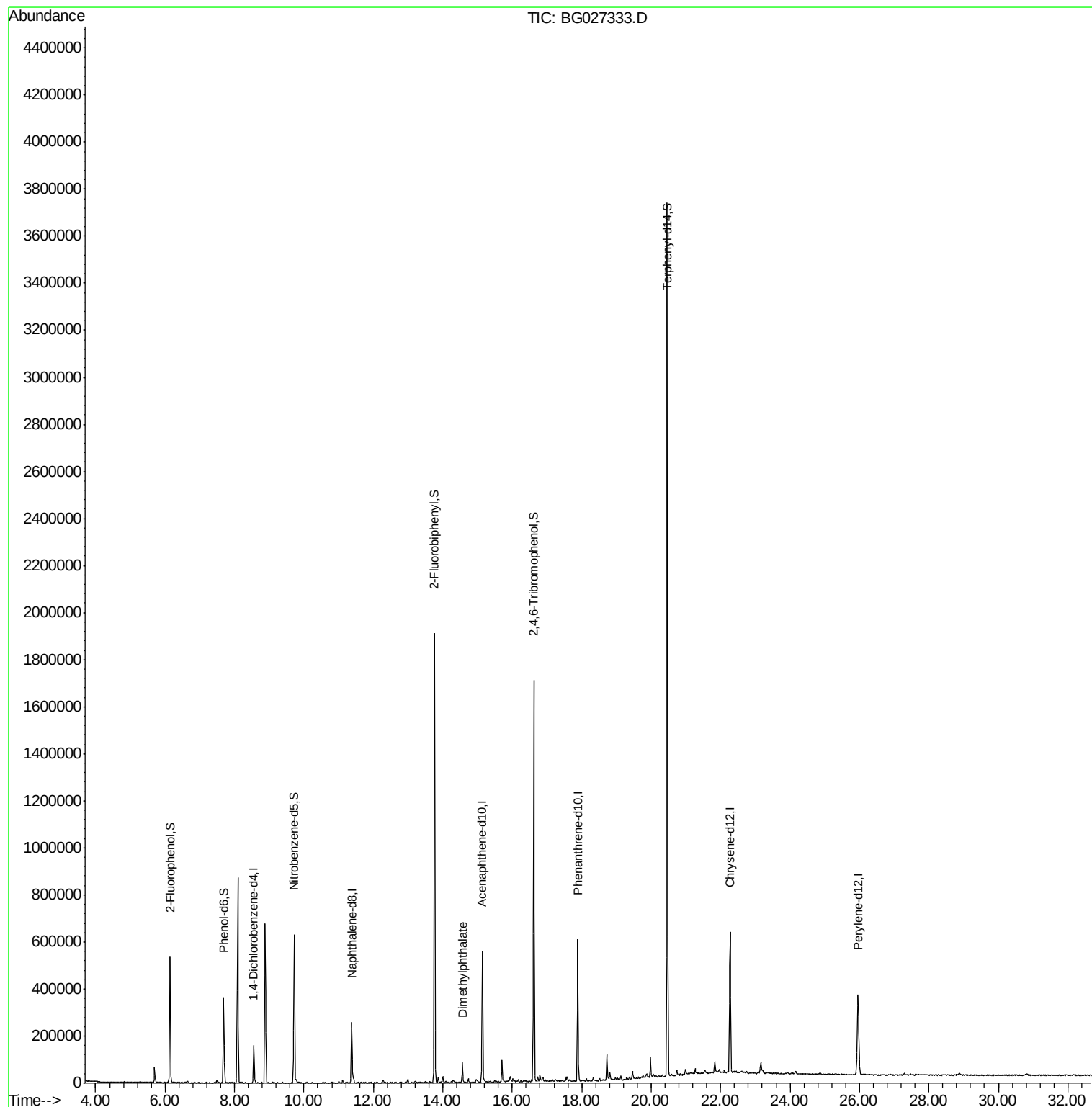
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.56  | 152  | 45283    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 11.38 | 136  | 224920   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 15.14 | 164  | 156694   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 17.89 | 188  | 373083   | 20.00  | ng    | -0.03     |
| 75) Chrysene-d12            | 22.27 | 240  | 418610   | 20.00  | ng    | -0.04     |
| 86) Perylene-d12            | 25.96 | 264  | 396159   | 20.00  | ng    | -0.07     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.14  | 112  | 243695   | 82.12  | ng    | -0.02     |
| 7) Phenol-d6                | 7.69  | 99   | 230981   | 53.03  | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 421230   | 117.78 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 350776   | 170.00 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 999171   | 89.21  | ng    | -0.03     |
| 78) Terphenyl-d14           | 20.46 | 244  | 1590858  | 96.95  | ng    | -0.03     |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 14.57 | 163  | 57145    | 4.597  | ng    | Qvalue 96 |

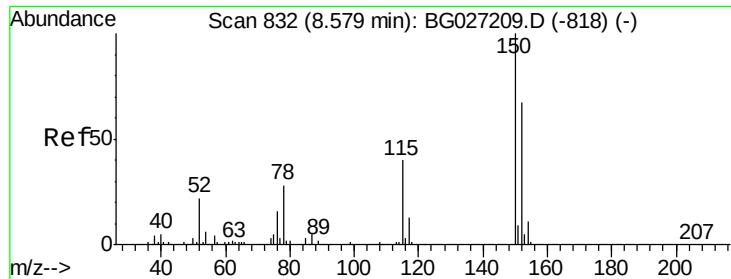
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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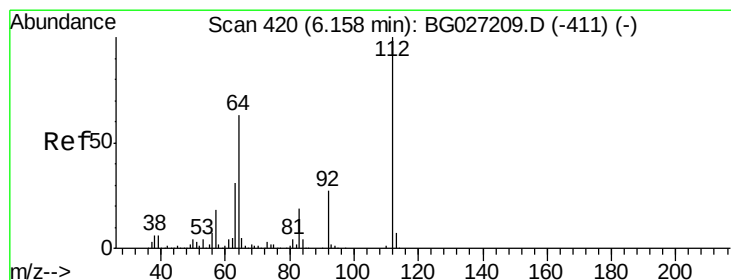
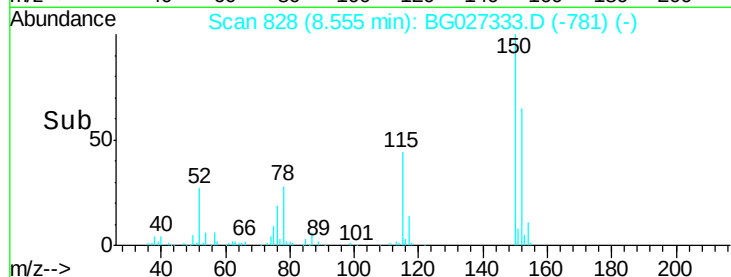
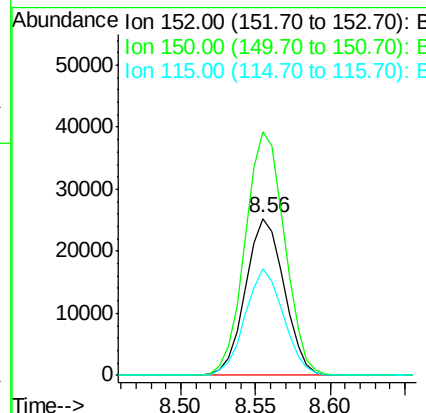
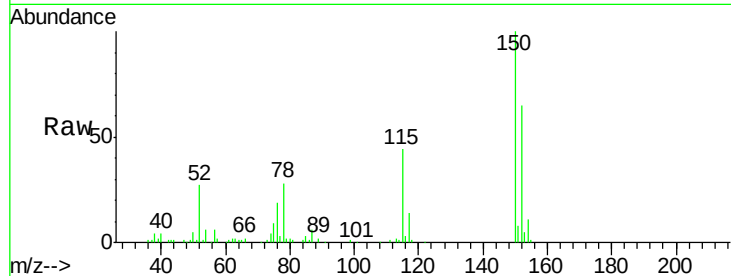


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.56 min Scan# 828  
Delta R.T. -0.02 min  
Lab File: BG027333.D  
Acq: 9 Jun 2017 1:32

Instrument :  
BNA\_G  
ClientSampleId :  
TW-7-20170604

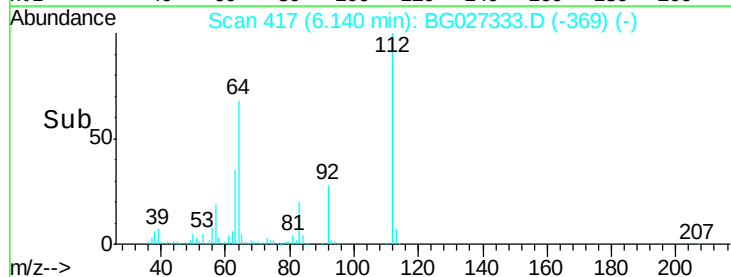
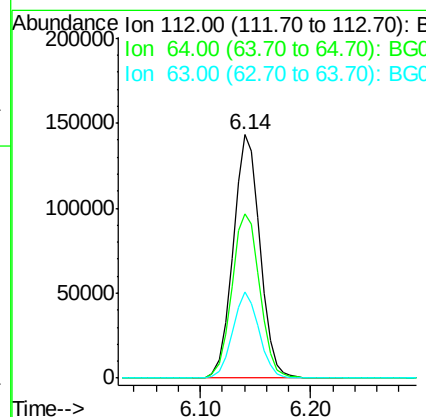
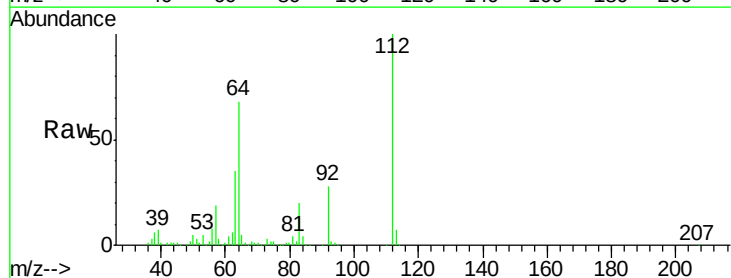
Tgt Ion:152 Resp: 45283  
Ion Ratio Lower Upper  
152 100  
150 154.9 114.0 171.0  
115 67.5 48.1 72.1

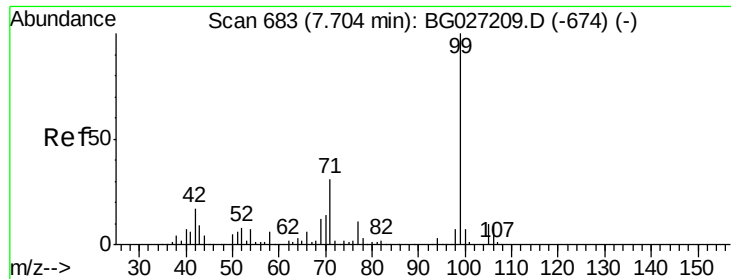


#5

2-Fluorophenol  
Concen: 82.121 ng  
RT: 6.14 min Scan# 417  
Delta R.T. -0.02 min  
Lab File: BG027333.D  
Acq: 9 Jun 2017 1:32

Tgt Ion:112 Resp: 243695  
Ion Ratio Lower Upper  
112 100  
64 67.7 61.8 92.6  
63 35.3 37.2 55.8#





#7

Phenol-d6

Concen: 53.026 ng

RT: 7.69 min Scan# 680

Delta R.T. -0.02 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

Instrument :

BNA\_G

ClientSampleId :

TW-7-20170604

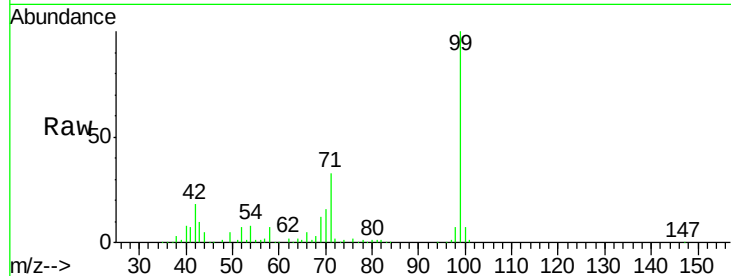
Tgt Ion: 99 Resp: 230981

Ion Ratio Lower Upper

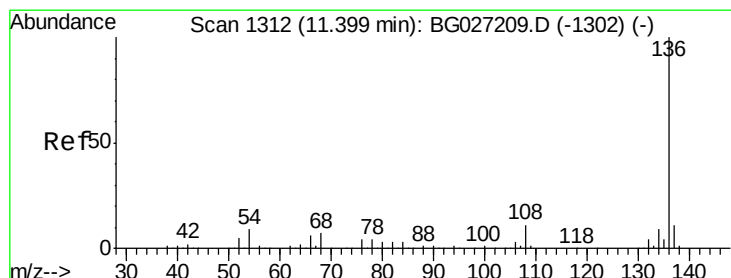
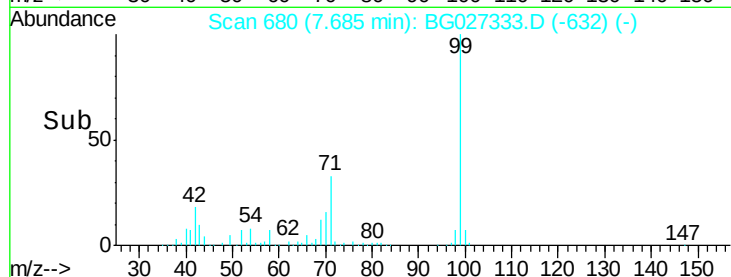
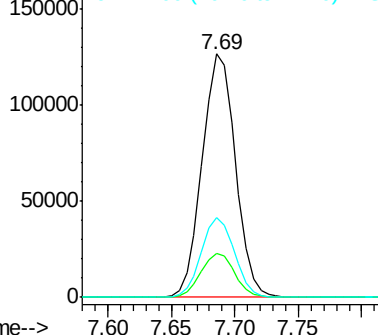
99 100

42 18.2 20.5 30.7#

71 32.9 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: 11.38 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

Tgt Ion: 136 Resp: 224920

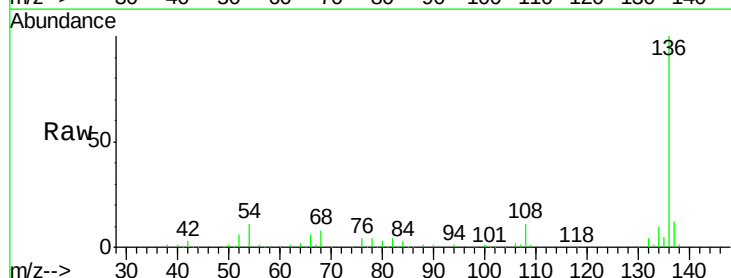
Ion Ratio Lower Upper

136 100

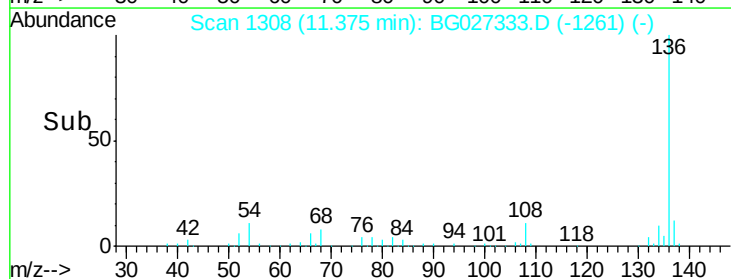
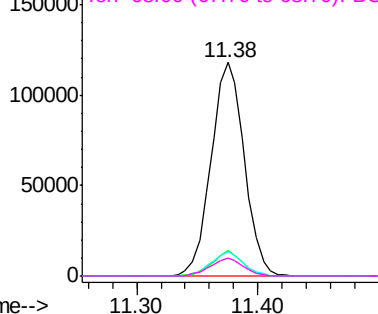
137 12.0 8.9 13.3

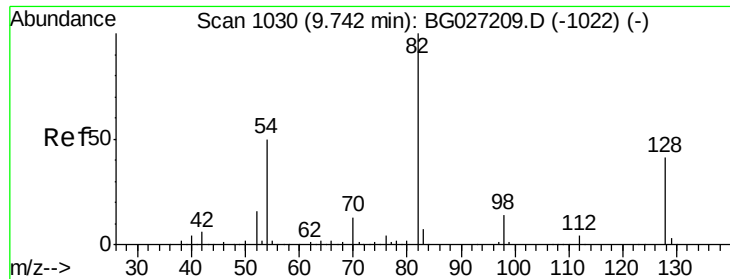
54 11.3 9.3 13.9

68 8.3 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

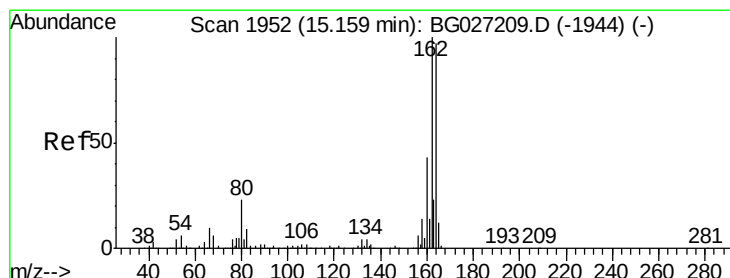
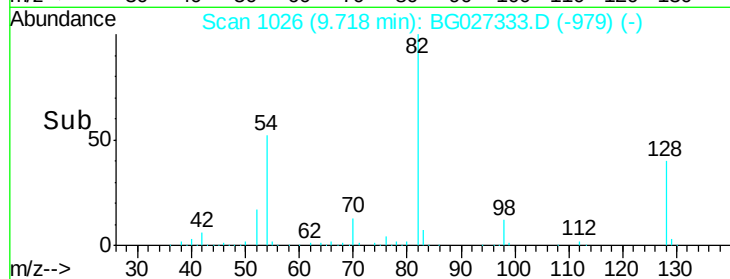
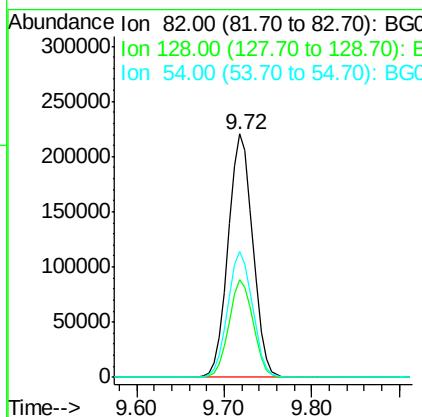
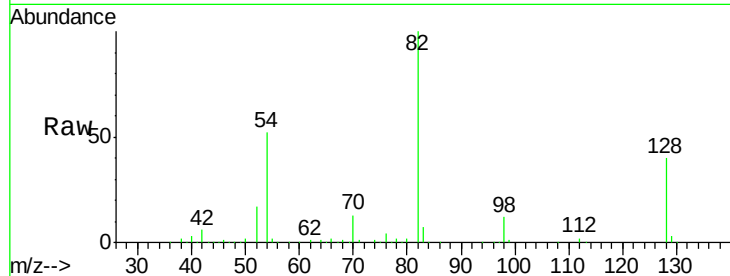




#23  
 Nitrobenzene-d5  
 Concen: 117.780 ng  
 RT: 9.72 min Scan# 1026  
 Delta R.T. -0.02 min  
 Lab File: BG027333.D  
 Acq: 9 Jun 2017 1:32

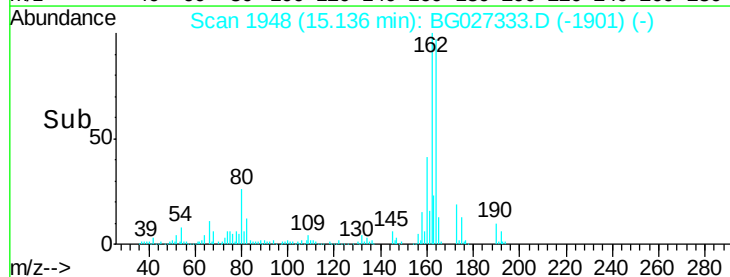
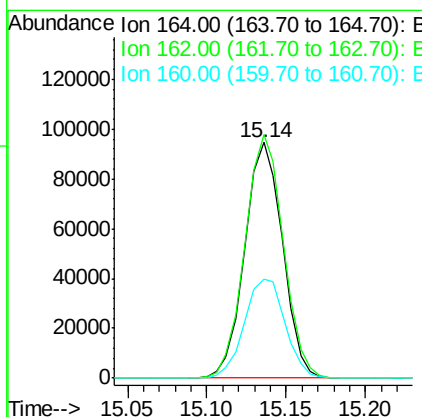
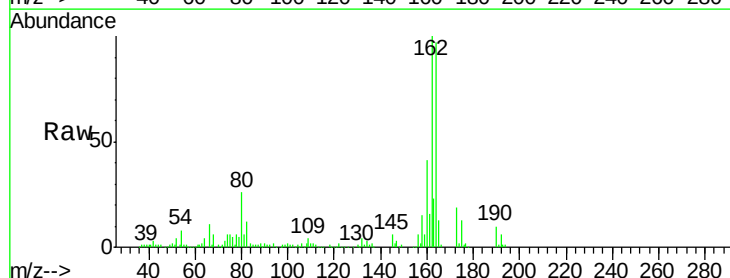
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-7-20170604

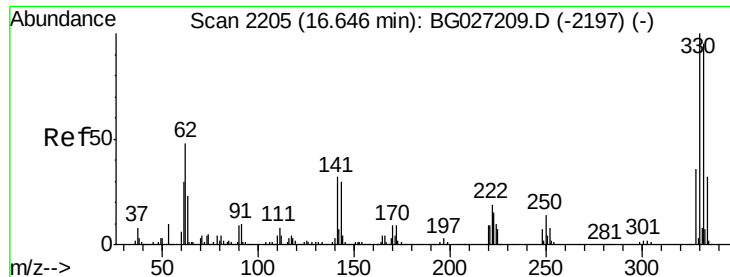
Tgt Ion: 82 Resp: 421230  
 Ion Ratio Lower Upper  
 82 100  
 128 40.1 26.4 39.6#  
 54 51.9 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 1948  
 Delta R.T. -0.02 min  
 Lab File: BG027333.D  
 Acq: 9 Jun 2017 1:32

Tgt Ion: 164 Resp: 156694  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 85.1 127.7  
 160 42.1 34.7 52.1

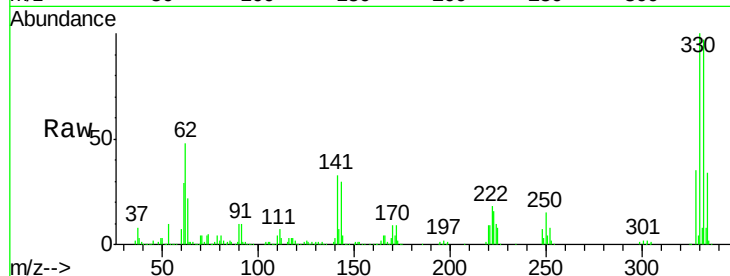




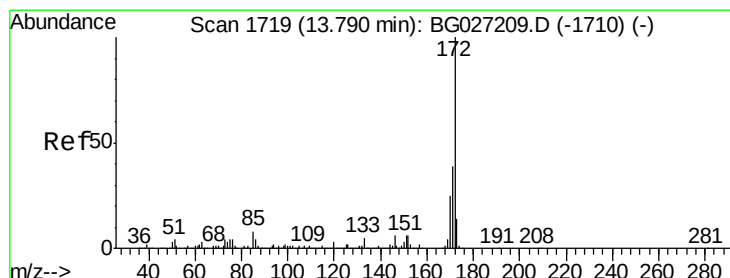
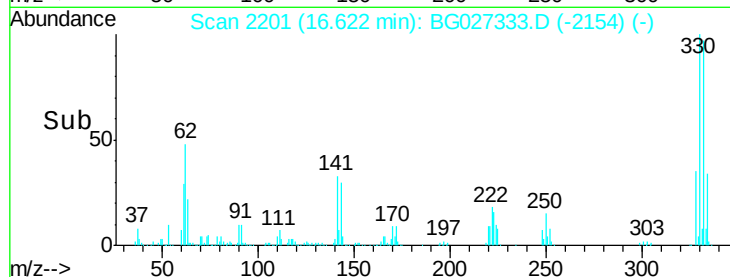
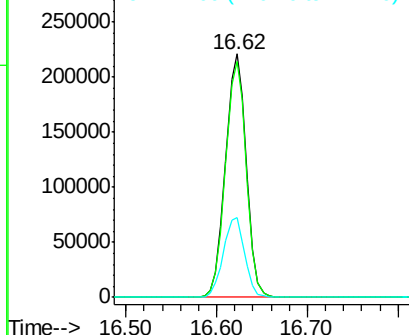
#41  
 2,4,6-Tribromophenol  
 Concen: 170.000 ng  
 RT: 16.62 min Scan# 2201  
 Delta R.T. -0.02 min  
 Lab File: BG027333.D  
 Acq: 9 Jun 2017 1:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TW-7-20170604

Tgt Ion:330 Resp: 350776  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.3 115.9  
 141 33.5 32.1 48.1

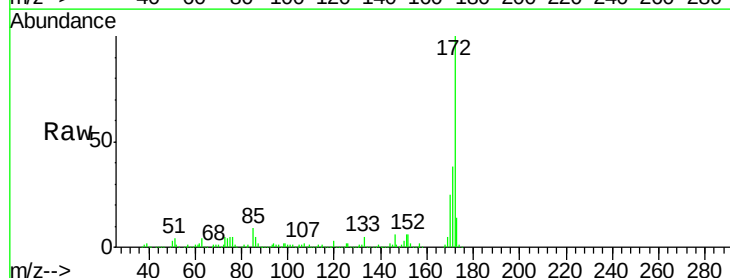


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

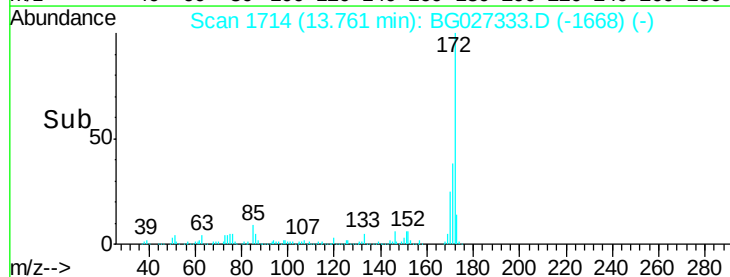
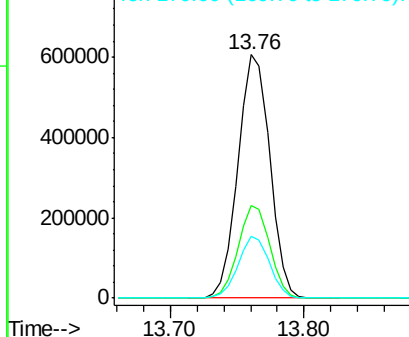


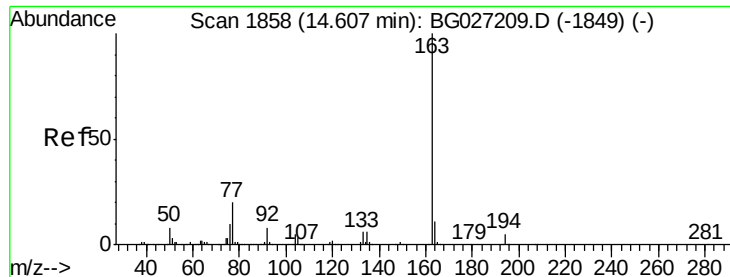
#44  
 2-Fluorobiphenyl  
 Concen: 89.207 ng  
 RT: 13.76 min Scan# 1714  
 Delta R.T. -0.03 min  
 Lab File: BG027333.D  
 Acq: 9 Jun 2017 1:32

Tgt Ion:172 Resp: 999171  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 32.2 48.2  
 170 25.3 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





#49

Dimethylphthalate

Concen: 4.597 ng

RT: 14.57 min Scan# 1851

Delta R.T. -0.04 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

Instrument :

BNA\_G

ClientSampleId :

TW-7-20170604

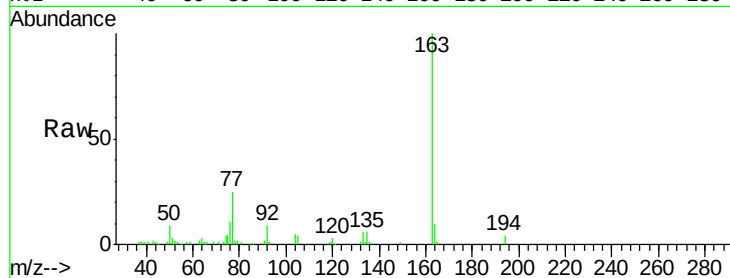
Tgt Ion:163 Resp: 57145

Ion Ratio Lower Upper

163 100

194 4.1 3.8 5.6

164 9.5 9.3 13.9



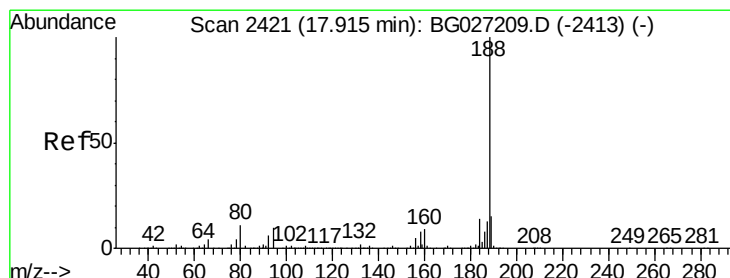
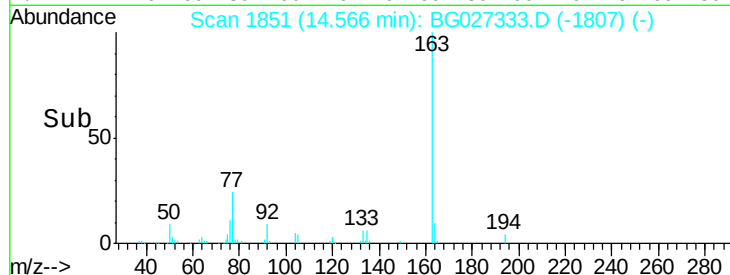
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.57

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.89 min Scan# 2416

Delta R.T. -0.03 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

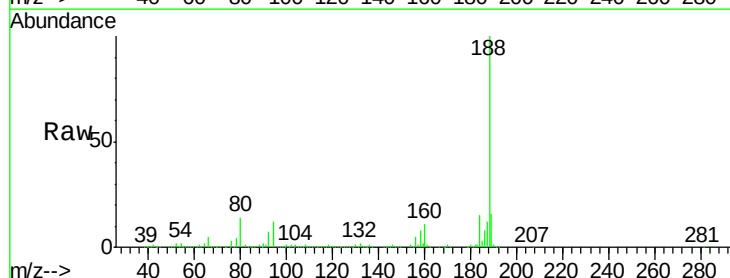
Tgt Ion:188 Resp: 373083

Ion Ratio Lower Upper

188 100

94 12.0 5.8 8.8#

80 13.8 7.5 11.3#



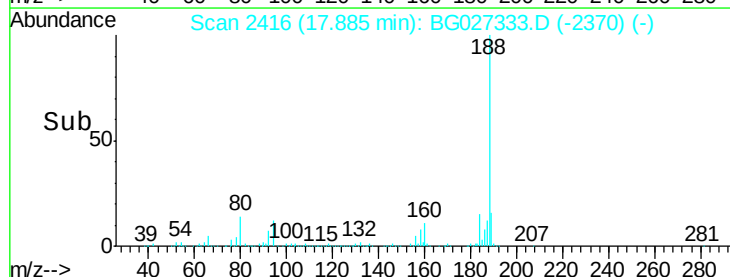
Abundance Ion 188.00 (187.70 to 188.70): E

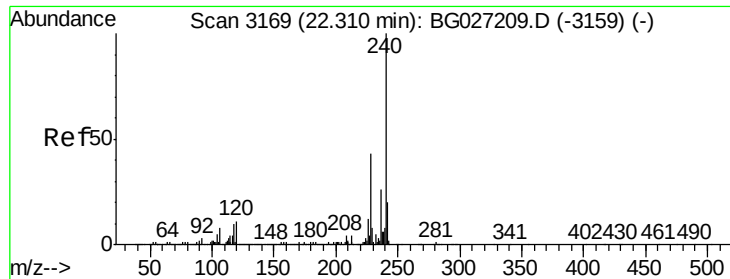
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

17.89

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.27 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

Instrument :

BNA\_G

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TW-7-20170604

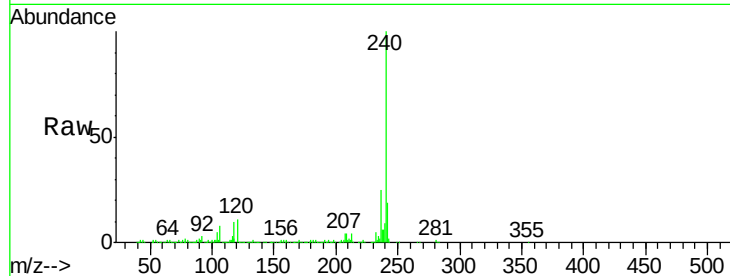
Tgt Ion:240 Resp: 418610

Ion Ratio Lower Upper

240 100

120 11.1 5.7 8.5#

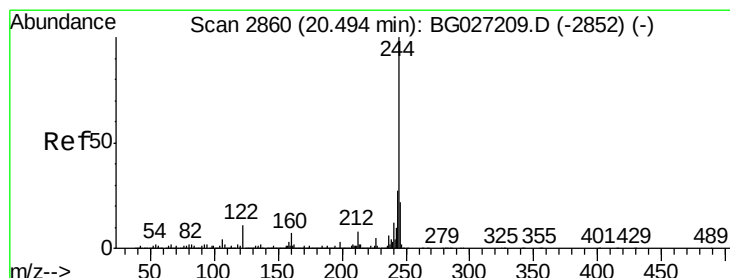
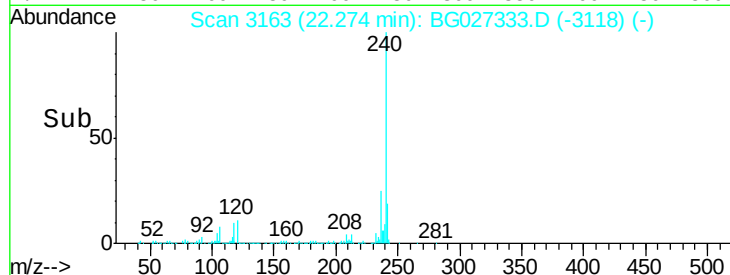
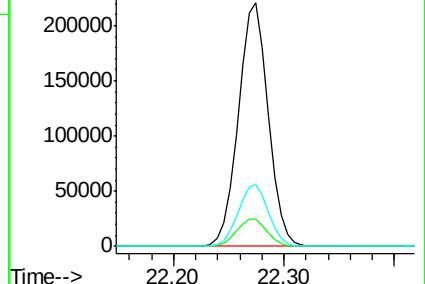
236 25.4 22.2 33.4



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: 96.947 ng

RT: 20.46 min Scan# 2855

Delta R.T. -0.03 min

Lab File: BG027333.D

Acq: 9 Jun 2017 1:32

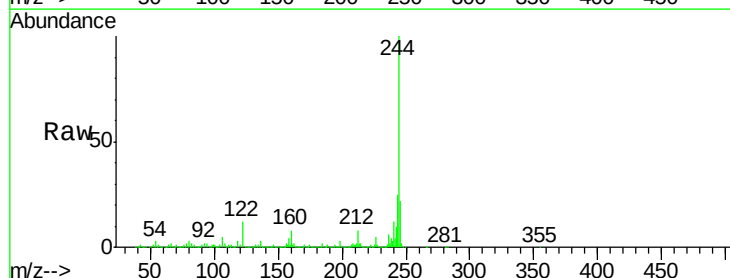
Tgt Ion:244 Resp: 1590858

Ion Ratio Lower Upper

244 100

212 8.2 10.0 15.0#

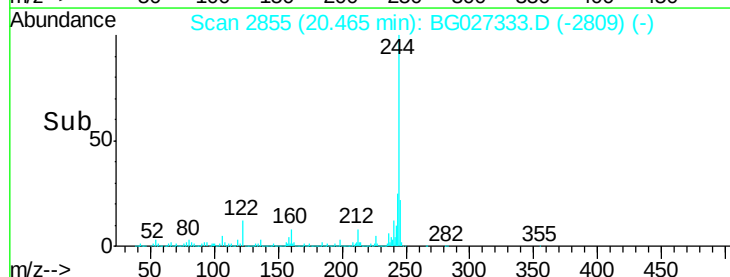
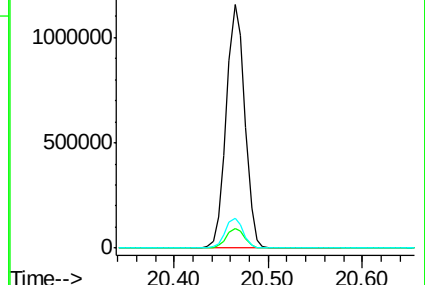
122 12.2 8.6 12.8



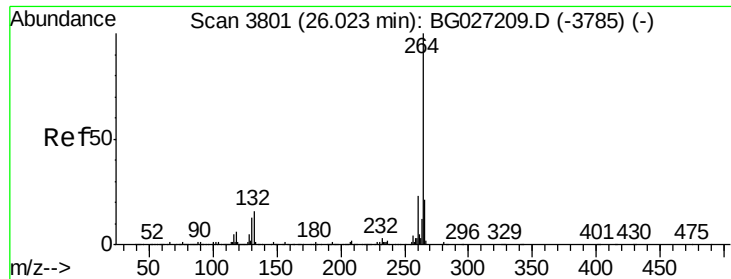
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



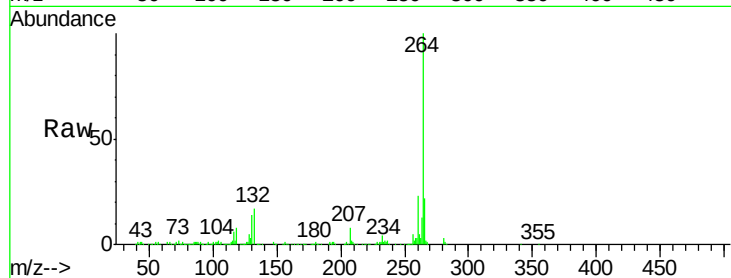




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.96 min Scan# 3790  
Delta R.T. -0.07 min  
Lab File: BG027333.D  
Acq: 9 Jun 2017 1:32

Instrument :  
BNA\_G  
ClientSampleId :  
TW-7-20170604

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 21.8  | 32.8  |
| 265     | 21.9  | 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

