

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060817\  
 Data File : BG027325.D  
 Acq On : 8 Jun 2017 20:18  
 Operator : SJ/MA  
 Sample : I3460-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-110

Quant Time: Jun 09 06:03:13 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  | 44529    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.38 | 136  | 210116   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 15.14 | 164  | 141422   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.89 | 188  | 343032   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 22.27 | 240  | 380570   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 25.96 | 264  | 352008   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.14  | 112  | 202924   | 69.54  | ng    | -0.01    |
| 7) Phenol-d6                | 7.69  | 99   | 187787   | 43.84  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.72  | 82   | 383906   | 114.91 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330  | 284448   | 152.74 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.76 | 172  | 935401   | 92.53  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.47 | 244  | 1543950  | 103.49 | ng    | -0.03    |

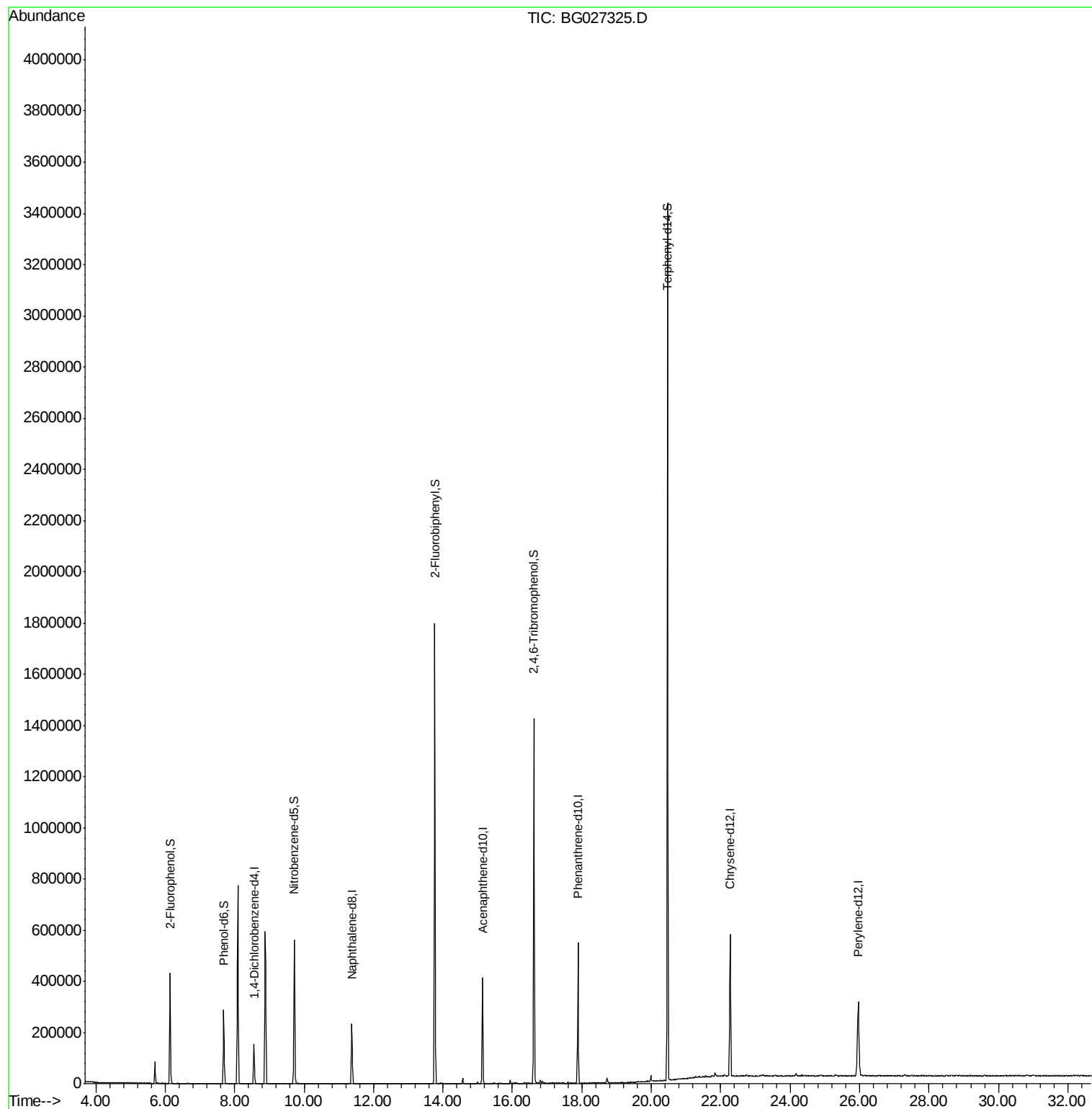
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

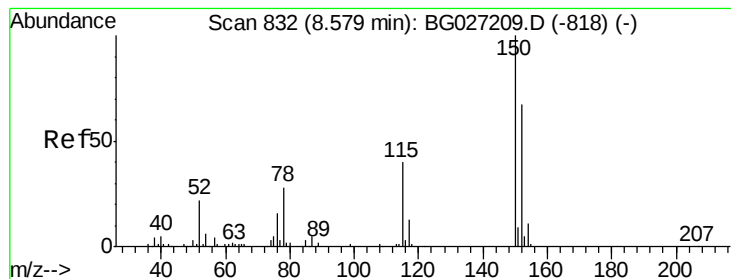
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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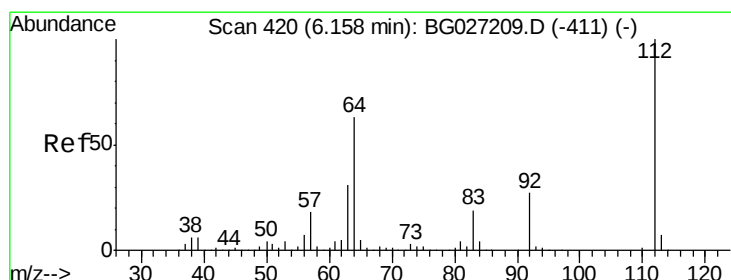
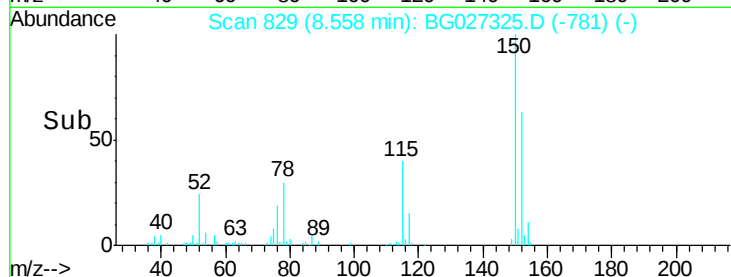
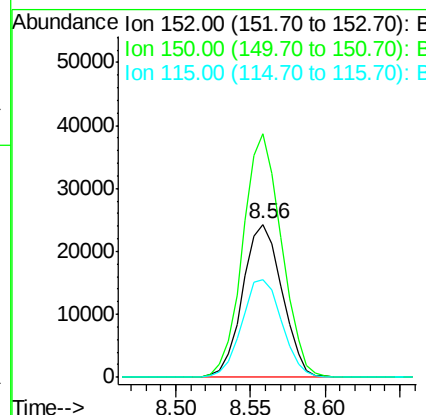
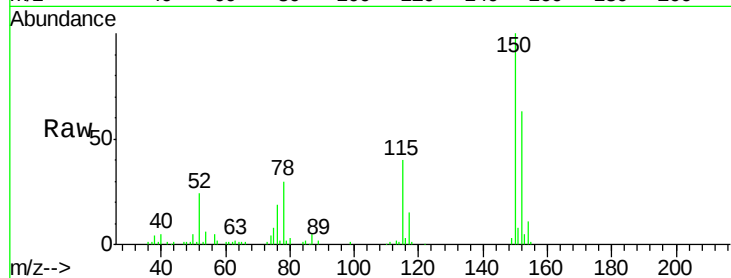


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.56 min Scan# 829  
Delta R.T. -0.02 min  
Lab File: BG027325.D  
Acq: 8 Jun 2017 20:18

Instrument :  
BNA\_G  
ClientSampleId :  
MW-110

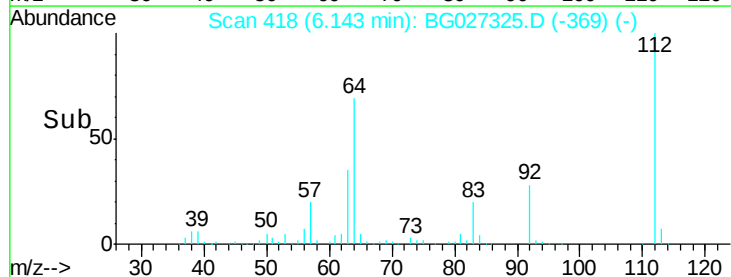
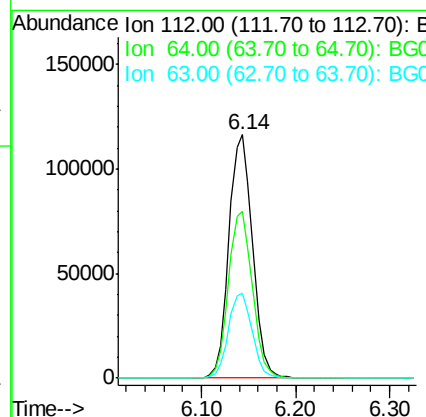
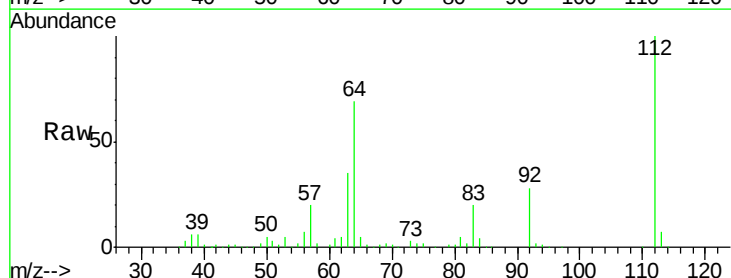
Tgt Ion:152 Resp: 44529  
Ion Ratio Lower Upper  
152 100  
150 158.8 114.0 171.0  
115 63.5 48.1 72.1

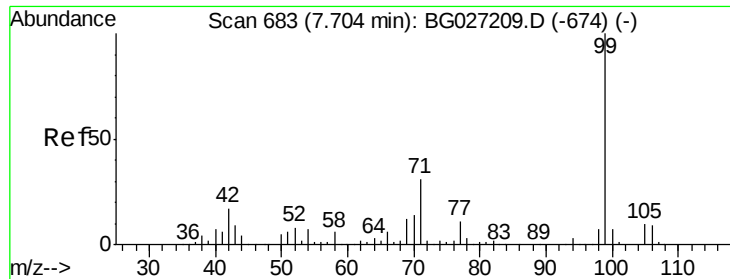


#5

2-Fluorophenol  
Concen: 69.540 ng  
RT: 6.14 min Scan# 418  
Delta R.T. -0.01 min  
Lab File: BG027325.D  
Acq: 8 Jun 2017 20:18

Tgt Ion:112 Resp: 202924  
Ion Ratio Lower Upper  
112 100  
64 68.5 61.8 92.6  
63 35.0 37.2 55.8#





#7

Phenol-d6

Concen: 43.840 ng

RT: 7.69 min Scan# 681

Delta R.T. -0.01 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

Instrument :

BNA\_G

ClientSampleId :

MW-110

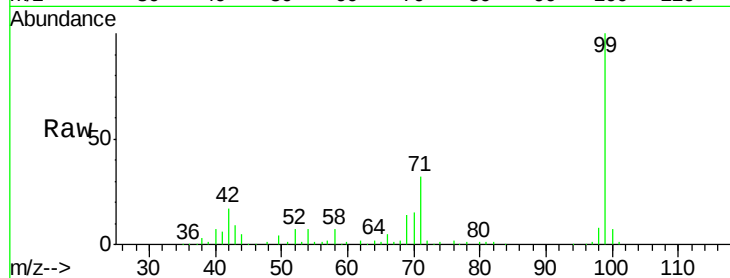
Tgt Ion: 99 Resp: 187787

Ion Ratio Lower Upper

99 100

42 16.5 20.5 30.7#

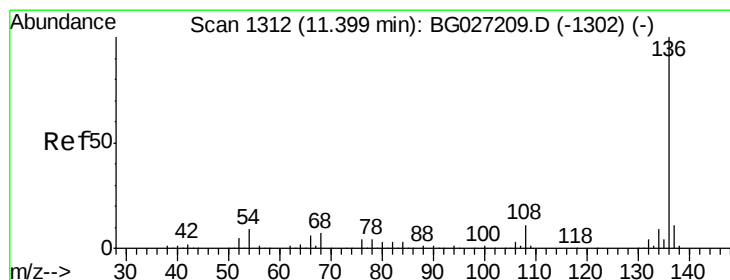
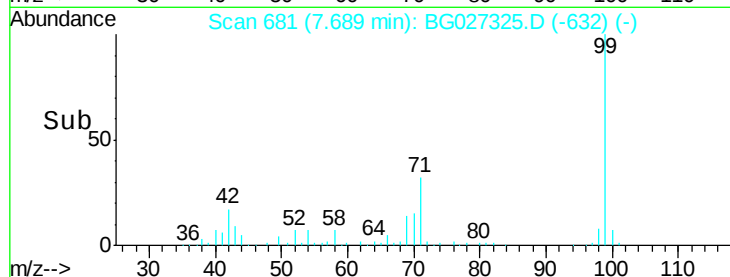
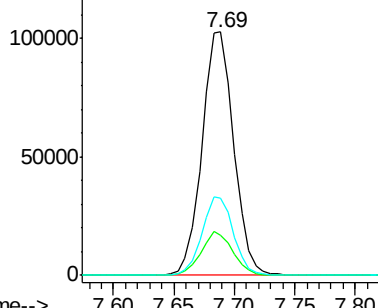
71 31.6 37.6 56.4#



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# 1309

Delta R.T. -0.02 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

Tgt Ion: 136 Resp: 210116

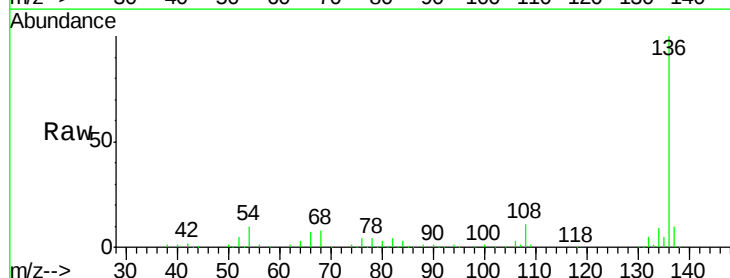
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 10.2 9.3 13.9

68 7.9 5.1 7.7#

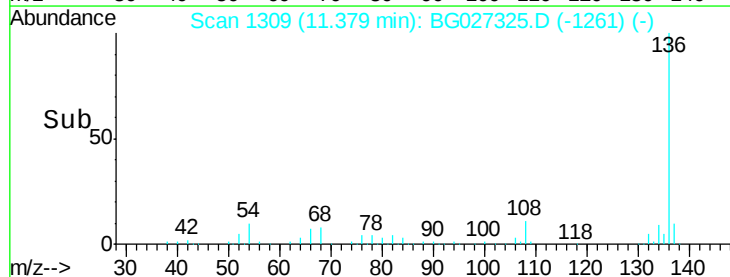
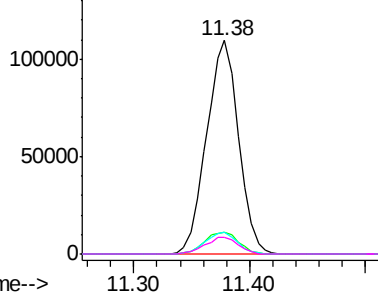


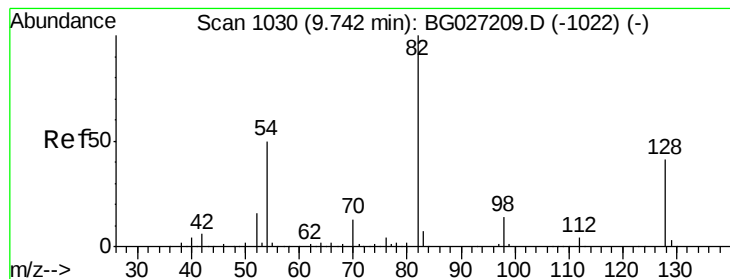
Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 114.907 ng

RT: 9.72 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

Instrument :

BNA\_G

ClientSampled :

MW-110

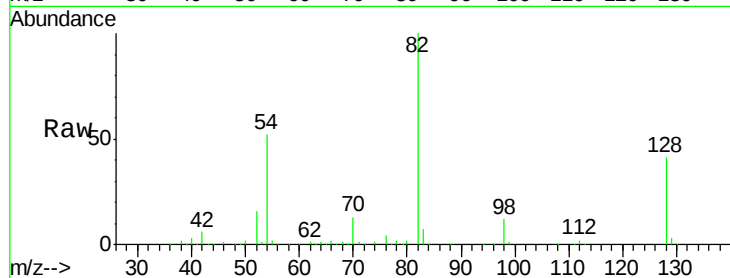
Tgt Ion: 82 Resp: 383906

Ion Ratio Lower Upper

82 100

128 40.8 26.4 39.6#

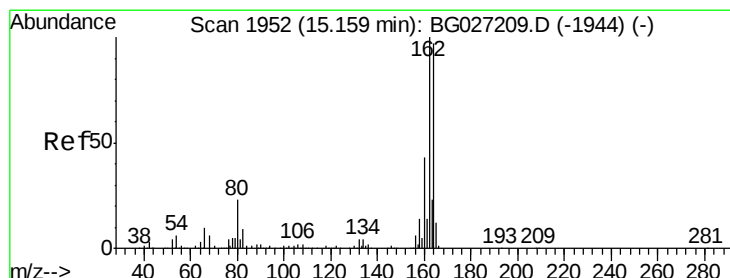
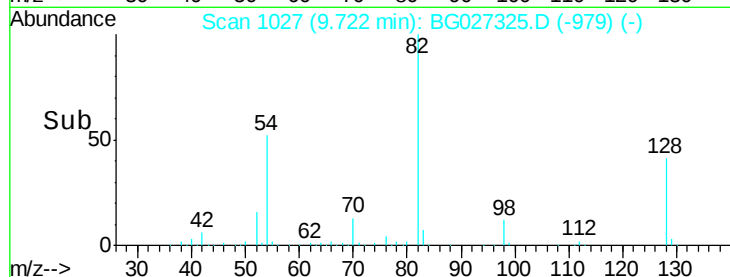
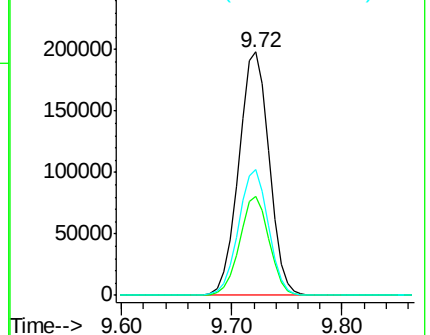
54 51.6 49.4 74.2



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: 15.14 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

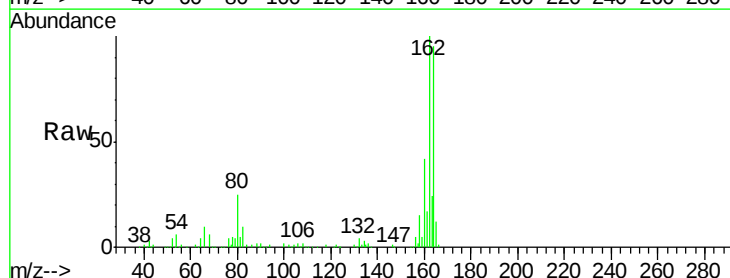
Tgt Ion: 164 Resp: 141422

Ion Ratio Lower Upper

164 100

162 105.5 85.1 127.7

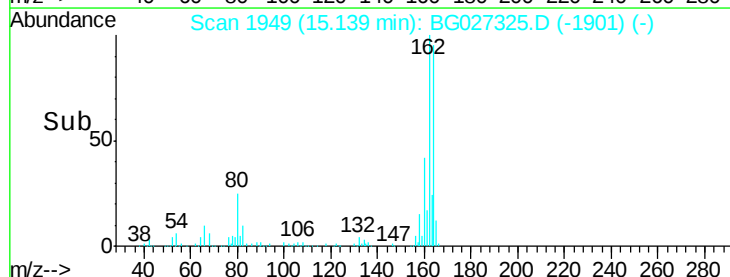
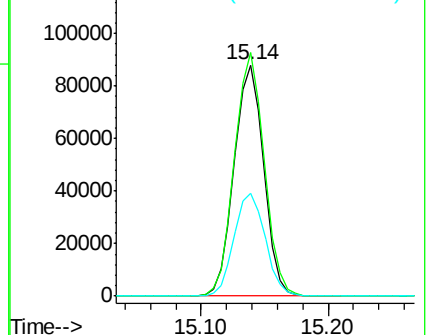
160 44.4 34.7 52.1

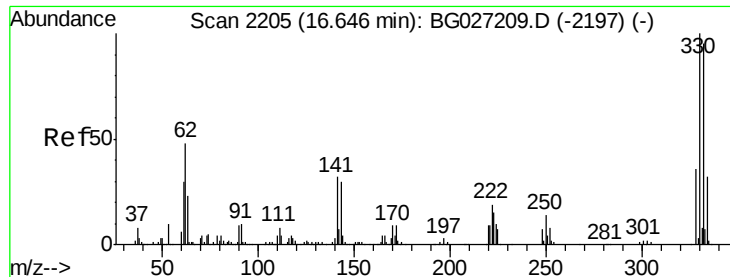


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

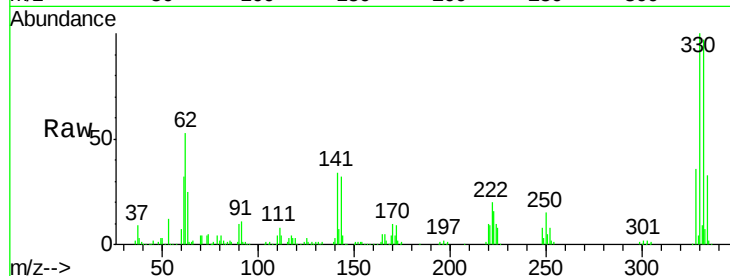




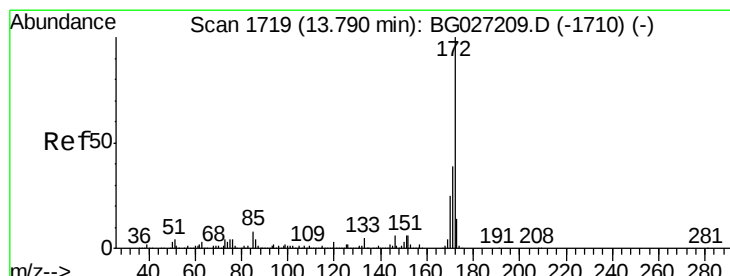
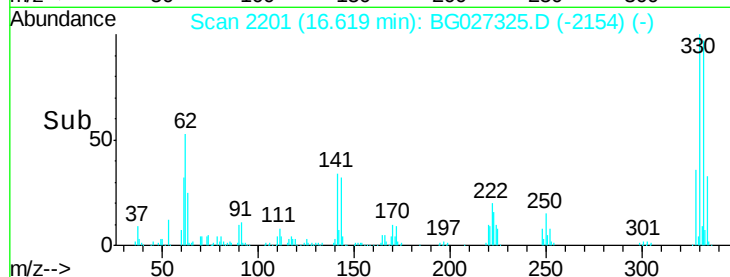
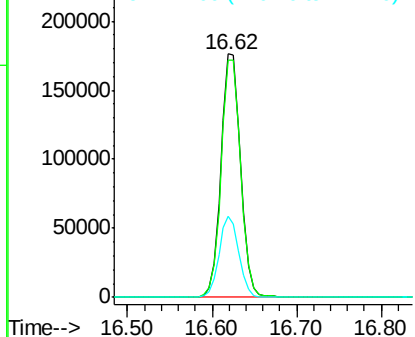
#41  
 2,4,6-Tribromophenol  
 Concen: 152.742 ng  
 RT: 16.62 min Scan# 2201  
 Delta R.T. -0.03 min  
 Lab File: BG027325.D  
 Acq: 8 Jun 2017 20:18

Instrument :  
 BNA\_G  
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 MW-110

Tgt Ion:330 Resp: 284448  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.3 115.9  
 141 33.5 32.1 48.1

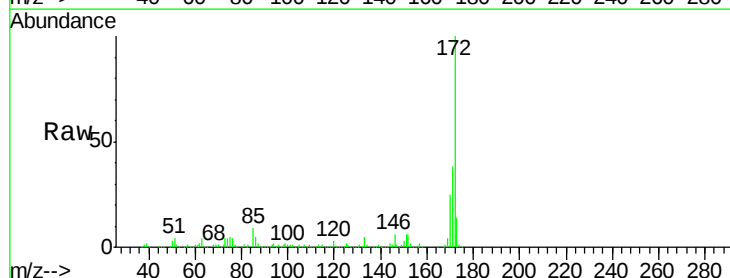


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

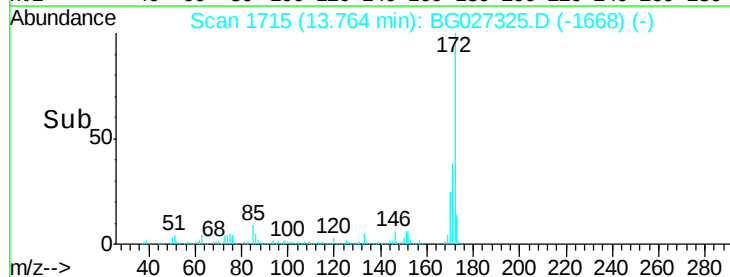
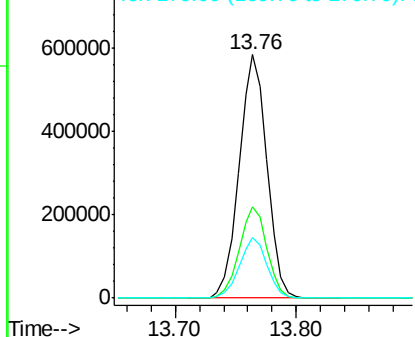


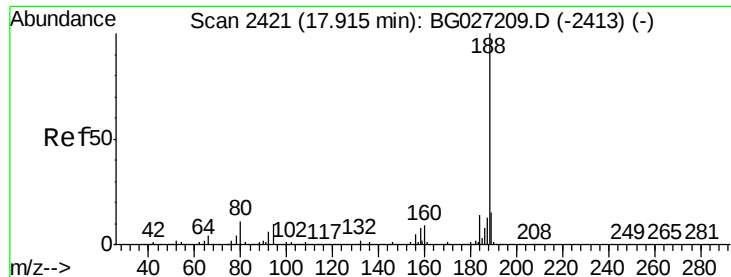
#44  
 2-Fluorobiphenyl  
 Concen: 92.532 ng  
 RT: 13.76 min Scan# 1715  
 Delta R.T. -0.03 min  
 Lab File: BG027325.D  
 Acq: 8 Jun 2017 20:18

Tgt Ion:172 Resp: 935401  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 32.2 48.2  
 170 24.7 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

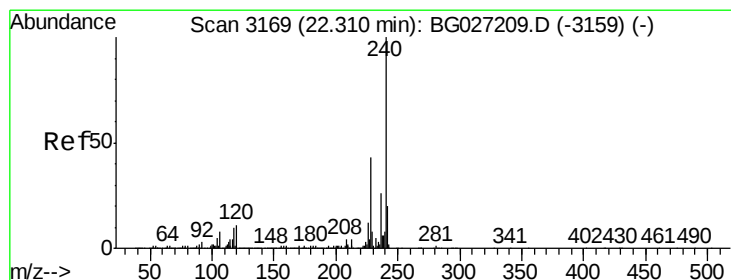
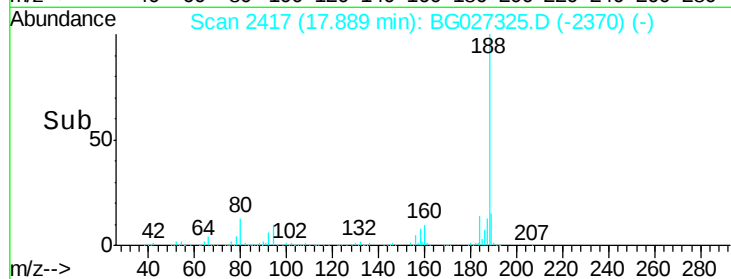
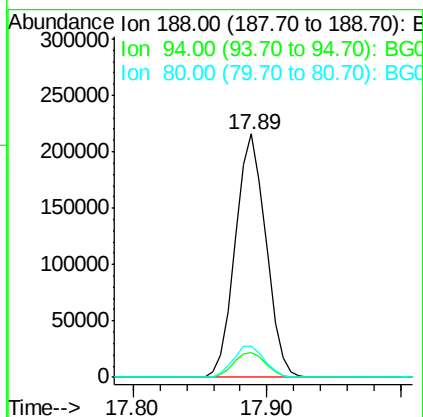
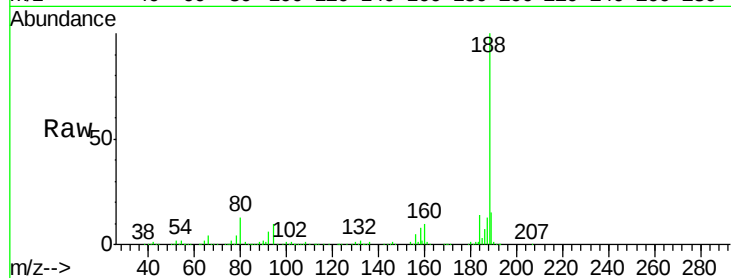




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.89 min Scan# 2417  
Delta R.T. -0.03 min  
Lab File: BG027325.D  
Acq: 8 Jun 2017 20:18

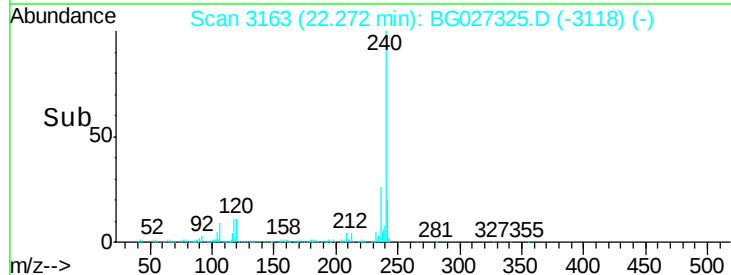
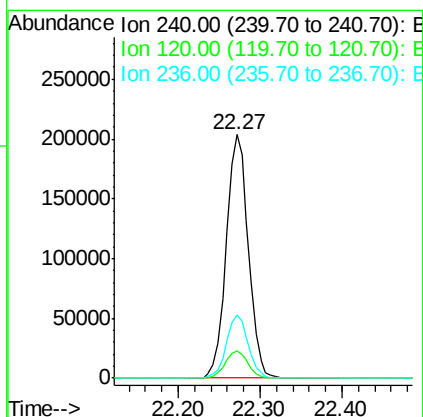
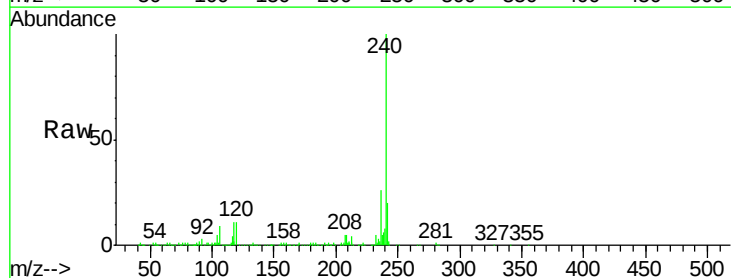
Instrument :  
BNA\_G  
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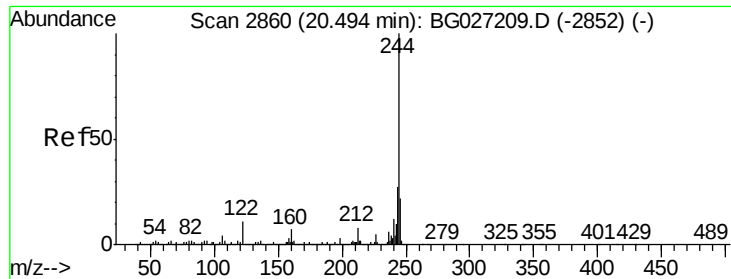
Tgt Ion:188 Resp: 343032  
Ion Ratio Lower Upper  
188 100  
94 10.3 5.8 8.8#  
80 12.9 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.27 min Scan# 3163  
Delta R.T. -0.04 min  
Lab File: BG027325.D  
Acq: 8 Jun 2017 20:18

Tgt Ion:240 Resp: 380570  
Ion Ratio Lower Upper  
240 100  
120 11.4 5.7 8.5#  
236 25.7 22.2 33.4





#78

Terphenyl-d14

Concen: 103.493 ng

RT: 20.47 min Scan# 2856

Delta R.T. -0.03 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

Instrument :

BNA\_G

ClientSampleId :

MW-110

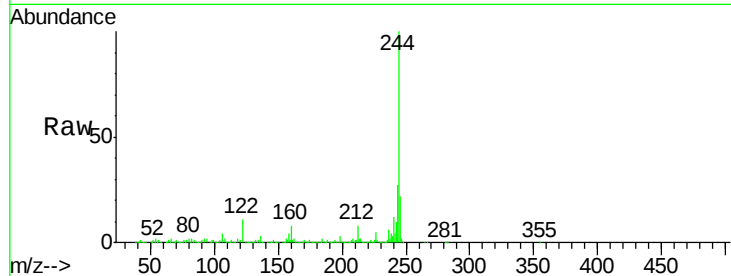
Tgt Ion:244 Resp: 1543950

Ion Ratio Lower Upper

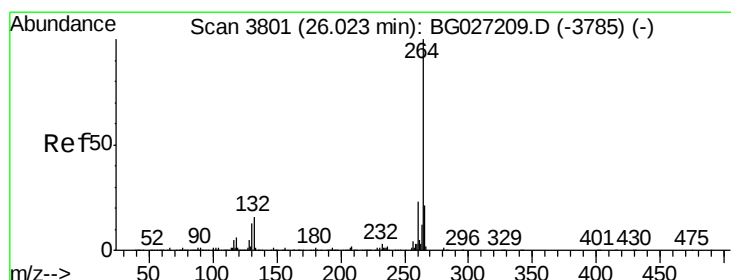
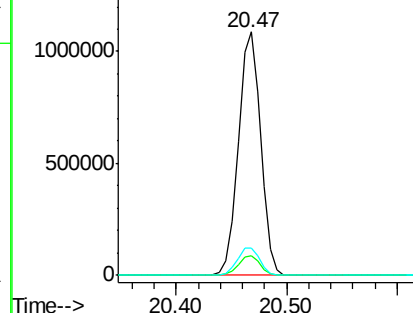
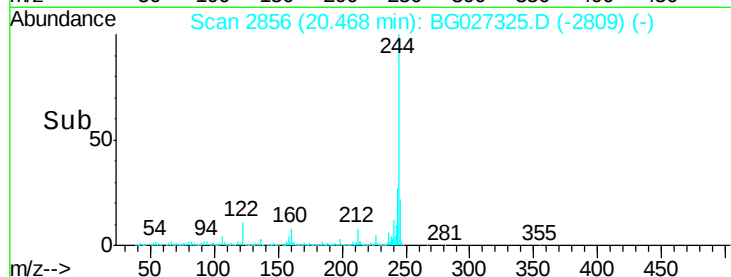
244 100

212 8.0 10.0 15.0#

122 11.5 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# 3791

Delta R.T. -0.06 min

Lab File: BG027325.D

Acq: 8 Jun 2017 20:18

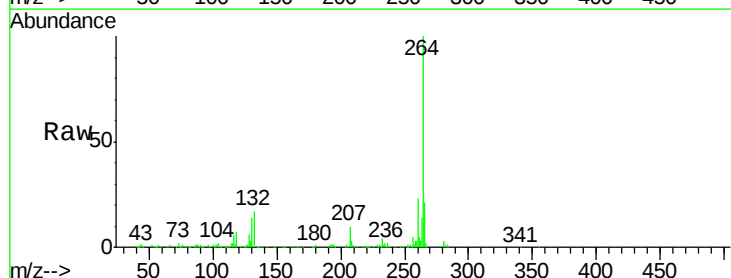
Tgt Ion:264 Resp: 352008

Ion Ratio Lower Upper

264 100

260 23.3 21.8 32.8

265 21.5 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

