

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051115\  
 Data File : BG017068.D  
 Acq On : 12 May 2015 2:09  
 Operator : TP/IZ  
 Sample : G2143-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-15R

Quant Time: May 12 05:11:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 04:56:17 2015  
 Response via : Initial Calibration

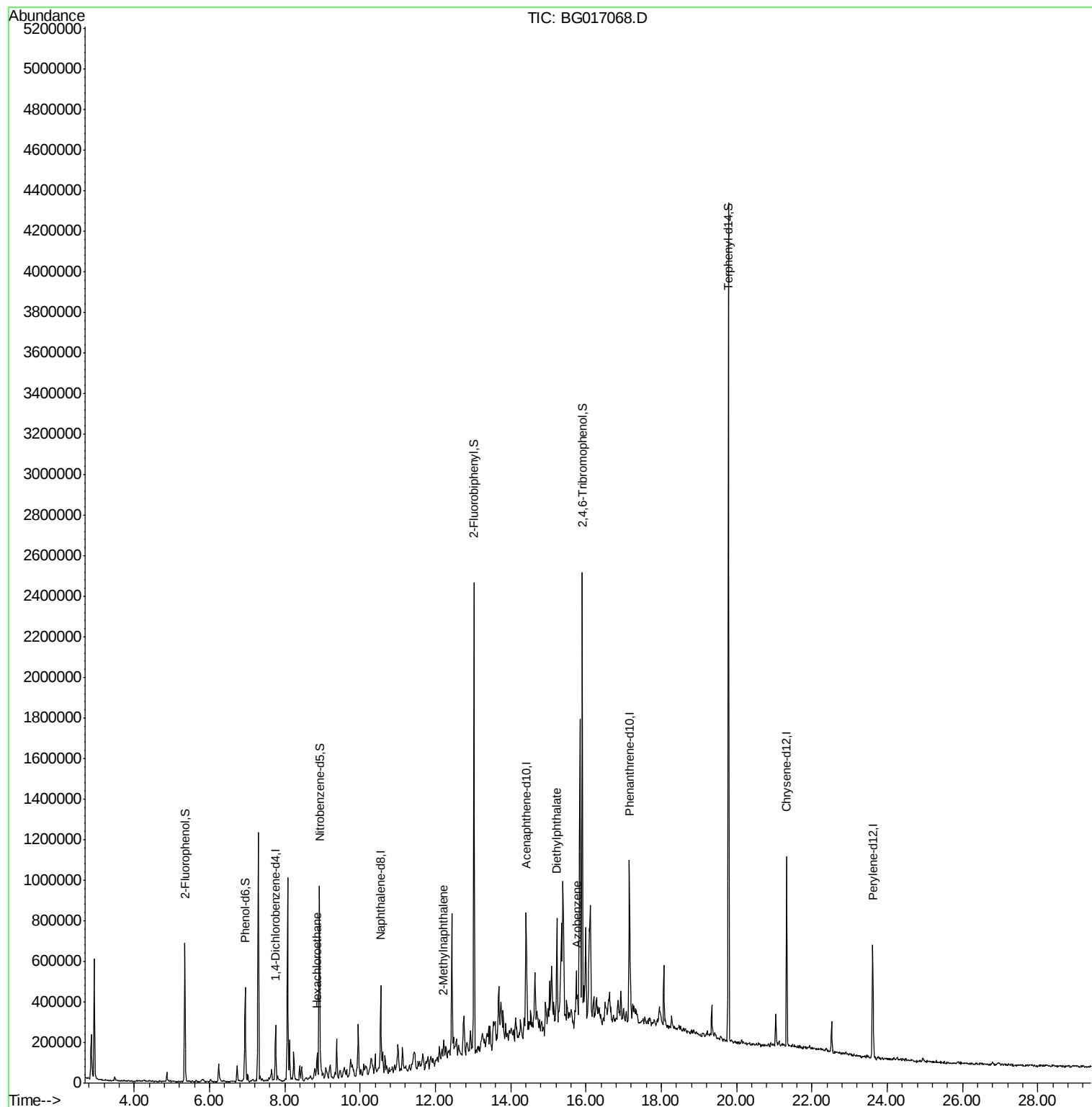
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.75  | 152  | 57861    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.55 | 136  | 263112   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.40 | 164  | 201960   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.15 | 188  | 383077   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.33 | 240  | 404568   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.62 | 264  | 401901   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 240595   | 72.40     | ng    | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 208960   | 44.01     | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.92  | 82   | 464546   | 86.25     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.90 | 330  | 305449   | 150.65    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.02 | 172  | 981965   | 73.37     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.79 | 244  | 1520349  | 88.10     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 18) Hexachloroethane        | 8.86  | 117  | 20228    | 11.44     | ng    | # 1      |
| 32) Benzoic acid            | 9.89  | 122  | 222      | Below Cal |       | # 43     |
| 37) 2-Methylnaphthalene     | 12.21 | 142  | 22214    | 2.23      | ng    | 93       |
| 59) Diethylphthalate        | 15.23 | 149  | 200177   | 12.57     | ng    | 99       |
| 62) Azobenzene              | 15.77 | 77   | 42405    | 2.57      | ng    | # 31     |

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051115\  
Data File : BG017068.D  
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Sample : G2143-03  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-15R

Quant Time: May 12 05:11:02 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 12 04:56:17 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.75 min Scan# 862

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

Instrument :

BNA\_G

ClientSampleId :

MW-15R

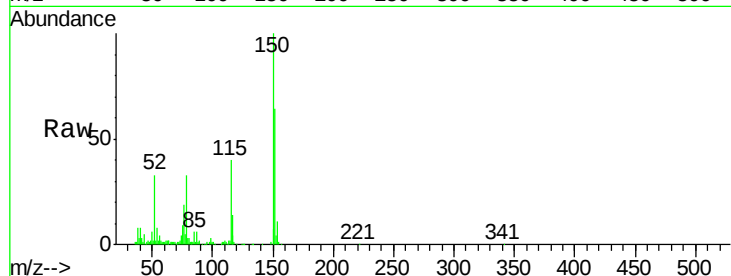
Tgt Ion:152 Resp: 57861

Ion Ratio Lower Upper

152 100

150 157.2 121.0 181.4

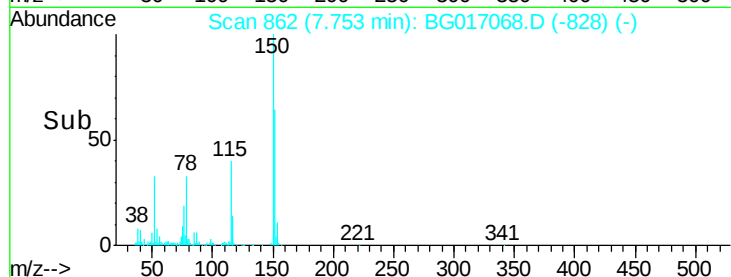
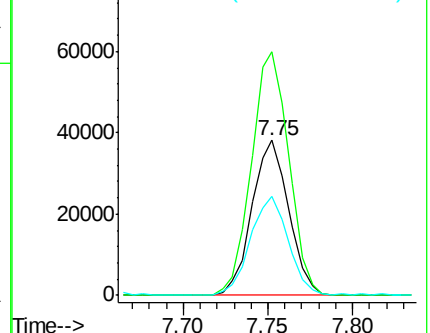
115 63.6 50.5 75.7



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: 72.40 ng

RT: 5.34 min Scan# 452

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

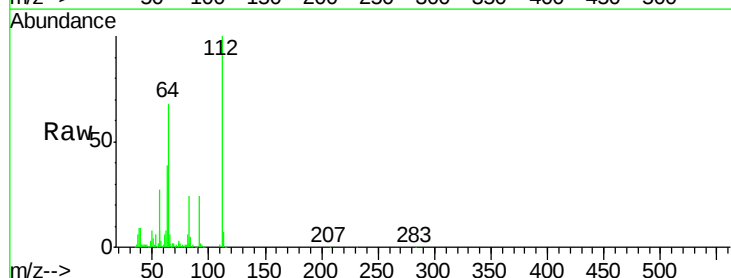
Tgt Ion:112 Resp: 240595

Ion Ratio Lower Upper

112 100

64 68.3 51.4 77.2

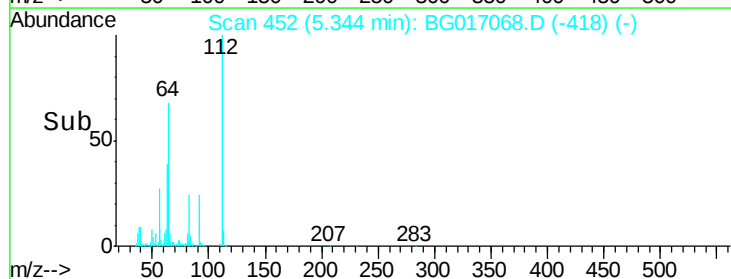
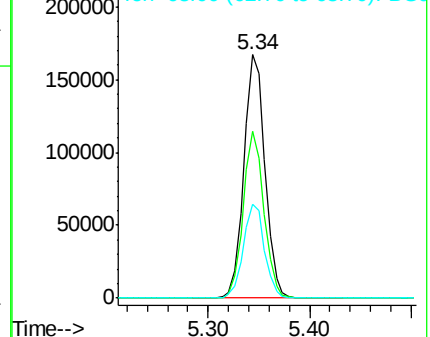
63 38.8 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 44.01 ng

RT: 6.95 min Scan# 725

Delta R.T. 0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

Instrument :

BNA\_G

ClientSampleId :

MW-15R

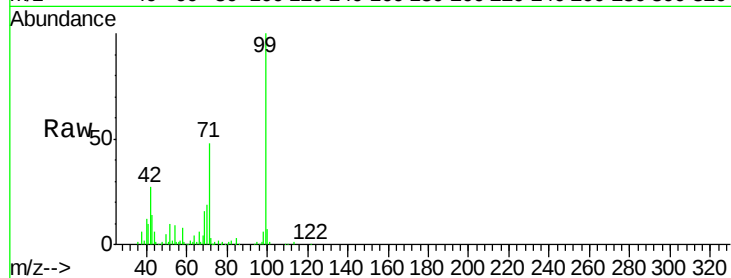
Tgt Ion: 99 Resp: 208960

Ion Ratio Lower Upper

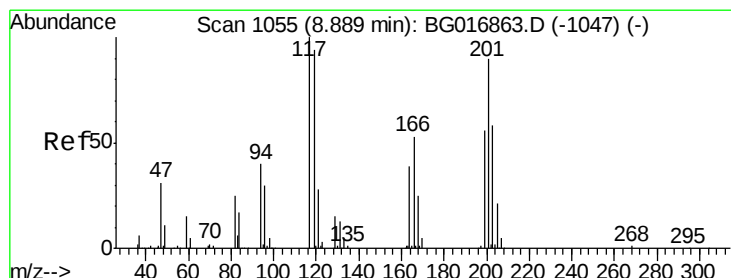
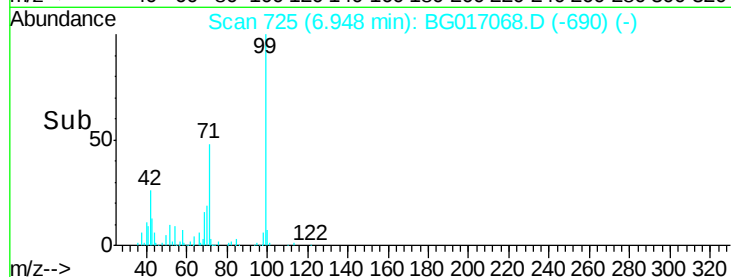
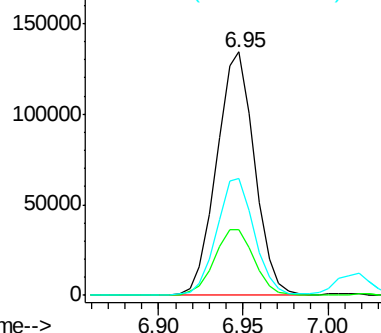
99 100

42 26.8 22.1 33.1

71 47.8 33.4 50.0



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



#18

Hexachloroethane

Concen: 11.44 ng

RT: 8.86 min Scan# 1050

Delta R.T. 0.03 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

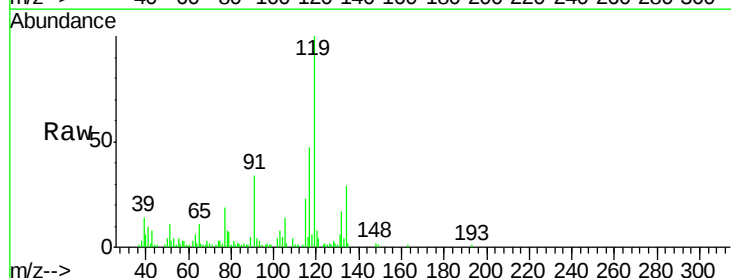
Tgt Ion: 117 Resp: 20228

Ion Ratio Lower Upper

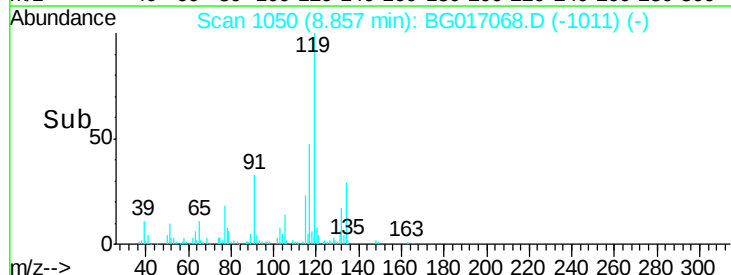
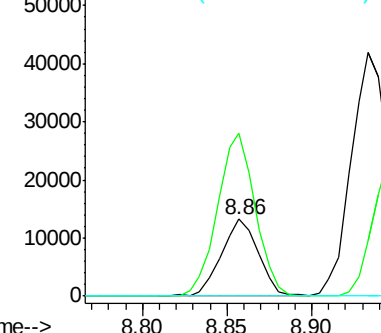
117 100

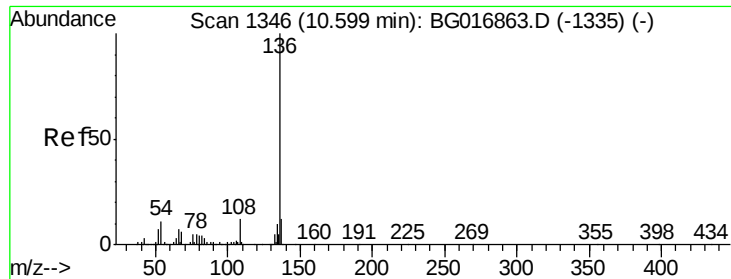
119 211.5 74.8 112.2#

201 0.0 72.1 108.1#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

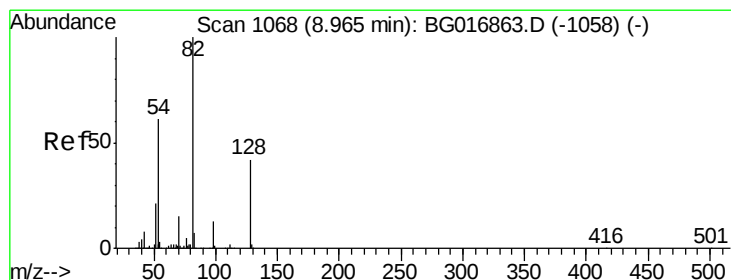
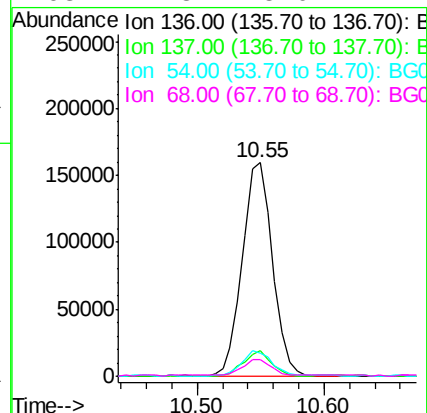
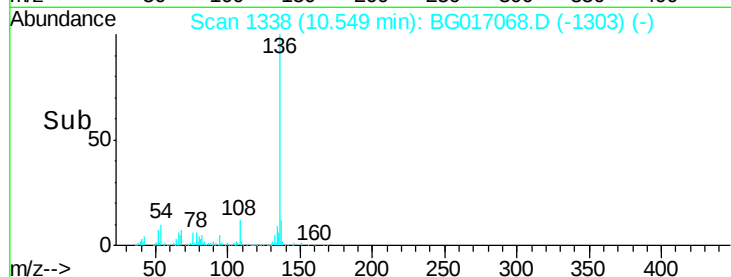
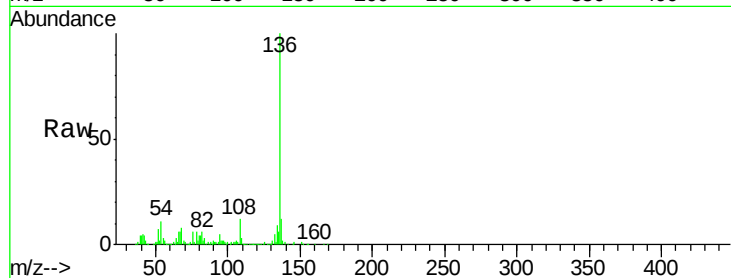




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.55 min Scan# 1338  
Delta R.T. 0.00 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

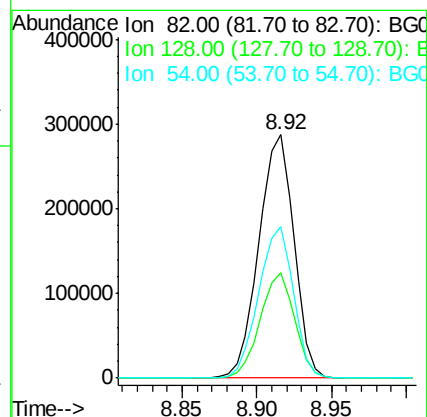
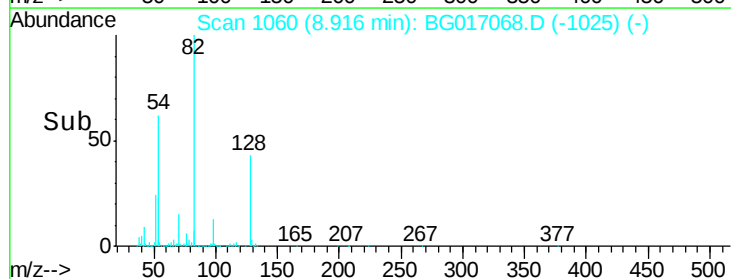
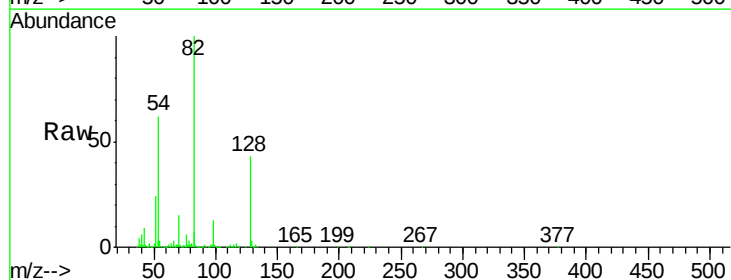
Instrument :  
BNA\_G  
ClientSampleId :  
MW-15R

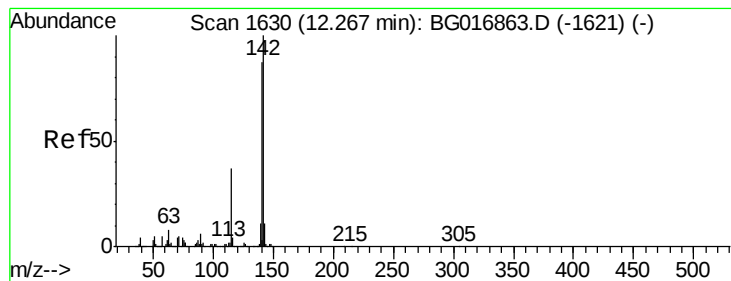
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 263112 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.1  | 9.8   | 14.8   |
| 54       | 10.5  | 8.7   | 13.1   |
| 68       | 7.8   | 5.0   | 7.4#   |



#23  
Nitrobenzene-d5  
Concen: 86.25 ng  
RT: 8.92 min Scan# 1060  
Delta R.T. 0.00 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 464546 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.3  | 33.2  | 49.8   |
| 54       | 62.4  | 48.6  | 72.8   |





#37

2-Methylnaphthalene

Concen: 2.23 ng

RT: 12.21 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

Instrument :

BNA\_G

ClientSampleId :

MW-15R

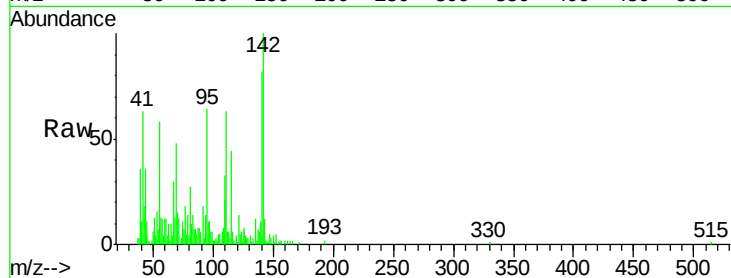
Tgt Ion:142 Resp: 22214

Ion Ratio Lower Upper

142 100

141 82.4 69.9 104.9

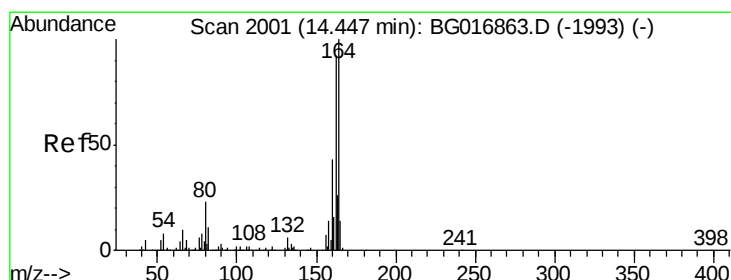
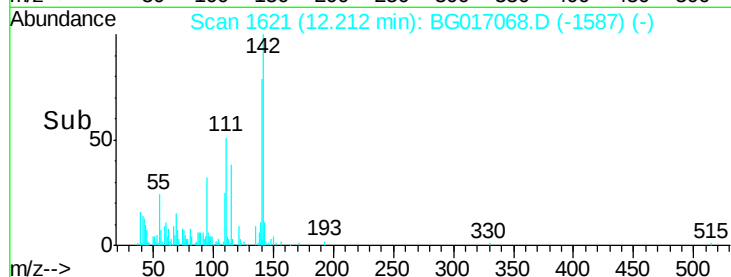
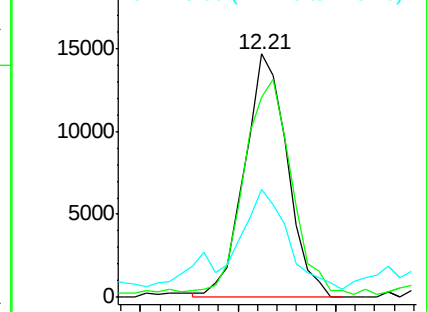
115 44.2 29.8 44.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.40 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

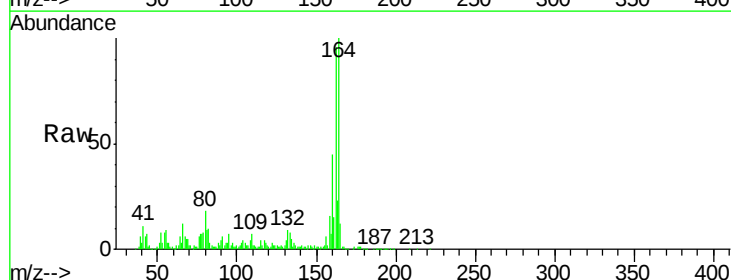
Tgt Ion:164 Resp: 201960

Ion Ratio Lower Upper

164 100

162 96.0 74.0 111.0

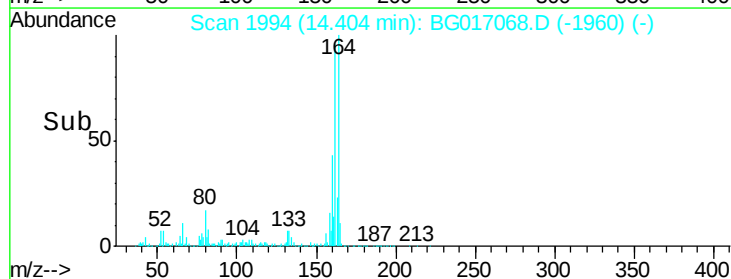
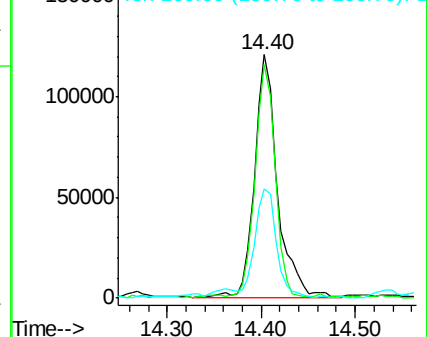
160 44.7 34.7 52.1

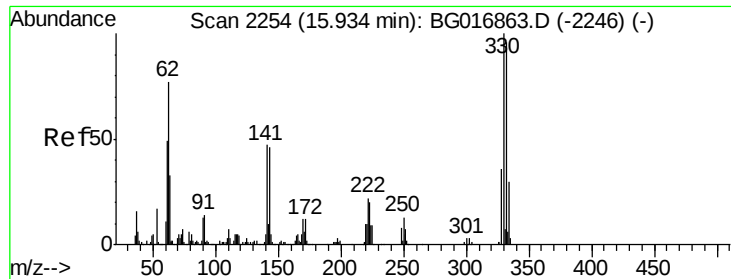


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 150.65 ng

RT: 15.90 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

Instrument :

BNA\_G

ClientSampleId :

MW-15R

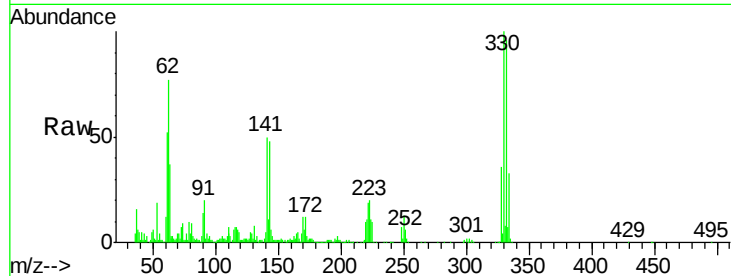
Tgt Ion:330 Resp: 305449

Ion Ratio Lower Upper

330 100

332 94.9 0.0 0.0#

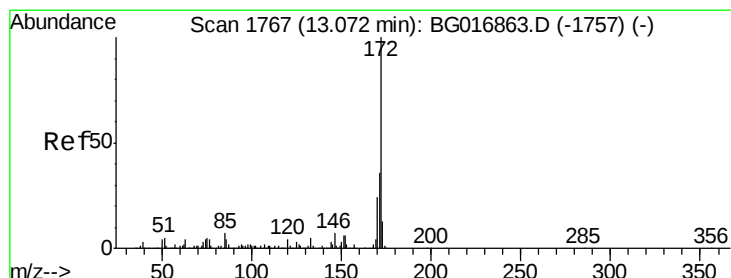
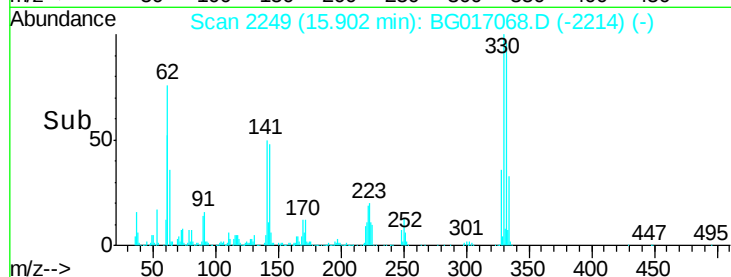
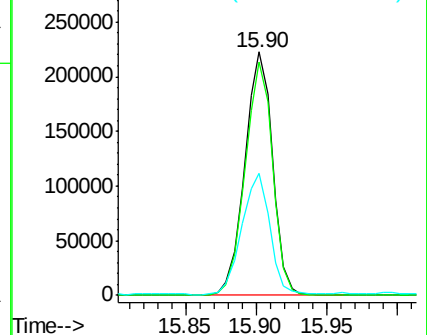
141 50.8 0.0 0.0#



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: 73.37 ng

RT: 13.02 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

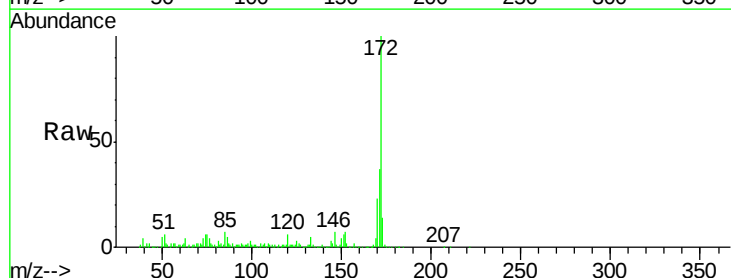
Tgt Ion:172 Resp: 981965

Ion Ratio Lower Upper

172 100

171 37.4 29.0 43.4

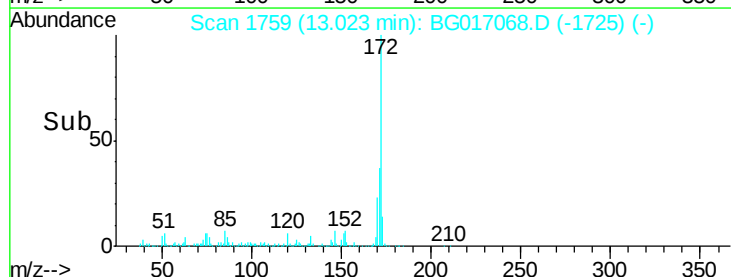
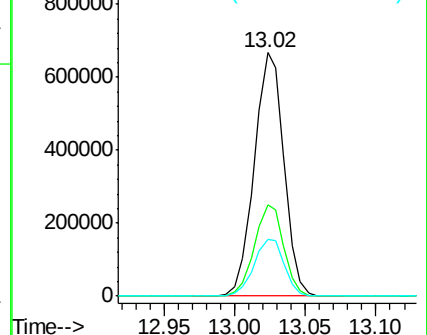
170 23.4 19.0 28.4

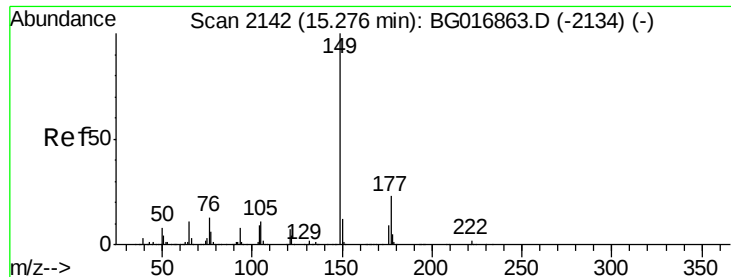


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

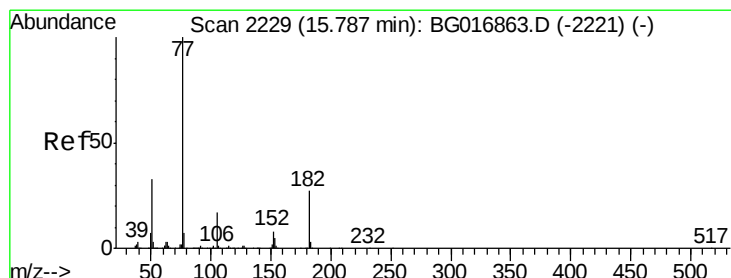
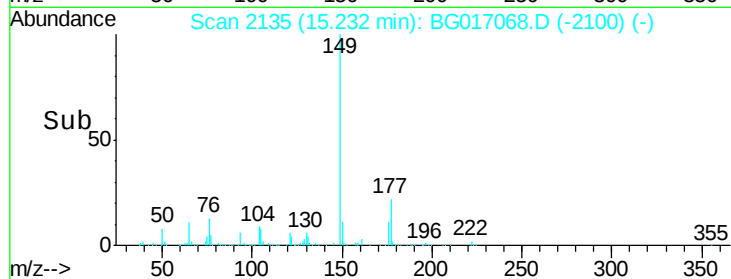
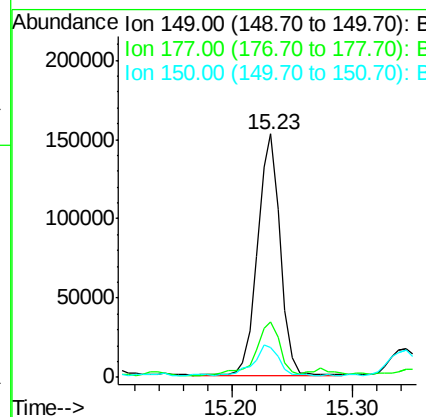
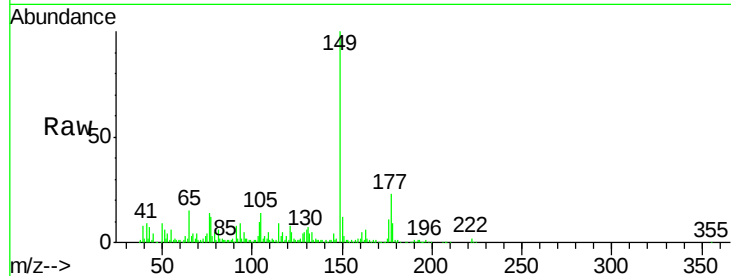




#59  
Diethylphthalate  
Concen: 12.57 ng  
RT: 15.23 min Scan# 2135  
Delta R.T. 0.00 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

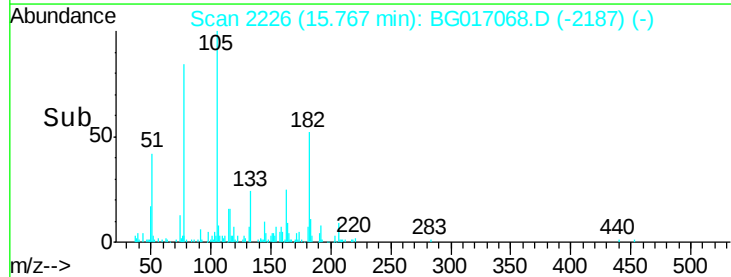
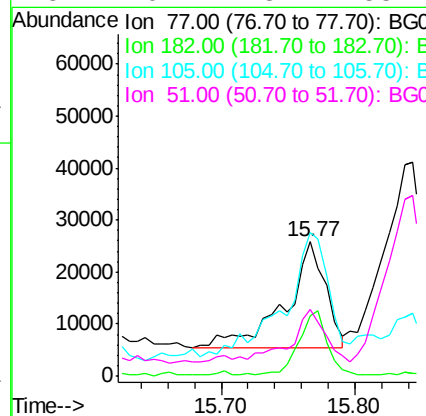
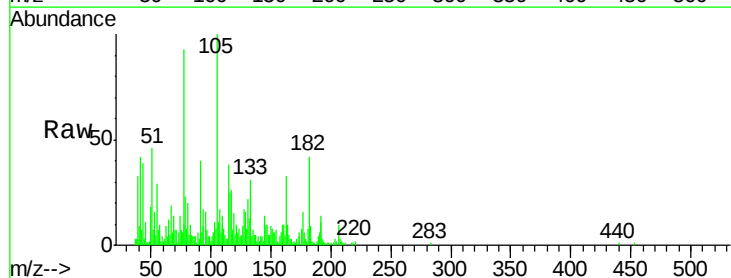
Instrument :  
BNA\_G  
ClientSampleId :  
MW-15R

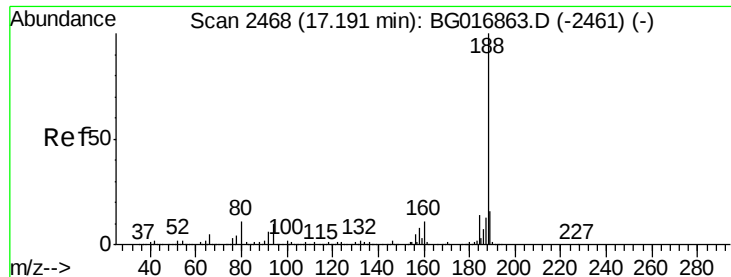
Tgt Ion: 149 Resp: 200177  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.6 27.8  
150 12.4 9.8 14.8



#62  
Azobenzene  
Concen: 2.57 ng  
RT: 15.77 min Scan# 2226  
Delta R.T. 0.03 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

Tgt Ion: 77 Resp: 42405  
Ion Ratio Lower Upper  
77 100  
182 45.3 7.4 47.4  
105 107.3 0.0 36.6#  
51 49.2 13.4 53.4

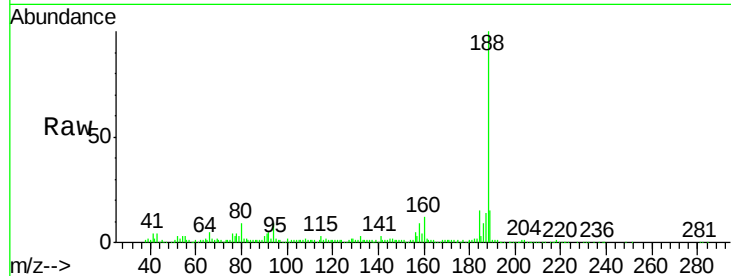




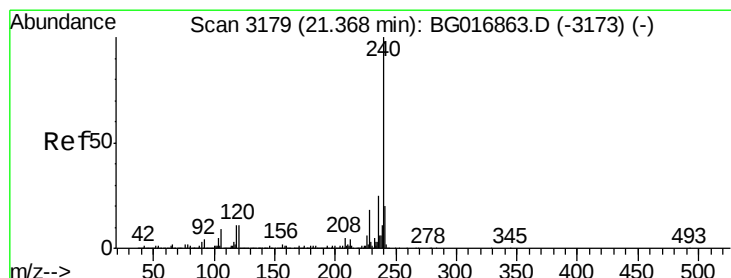
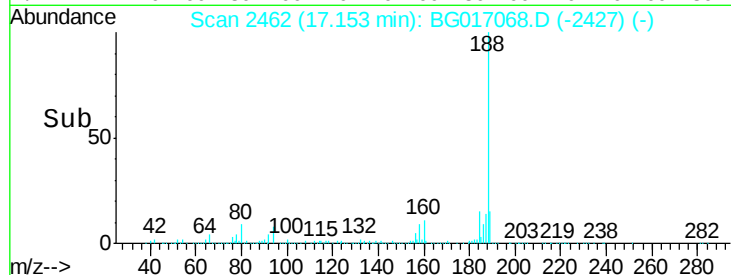
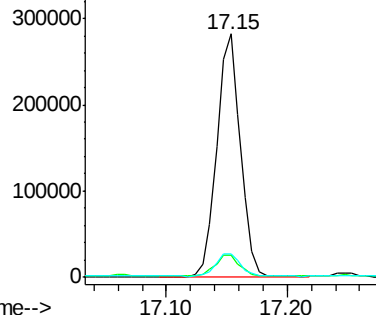
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.15 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

Instrument :  
BNA\_G  
ClientSampleId :  
MW-15R

Tgt Ion:188 Resp: 383077  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.2 12.4  
80 9.5 8.8 13.2

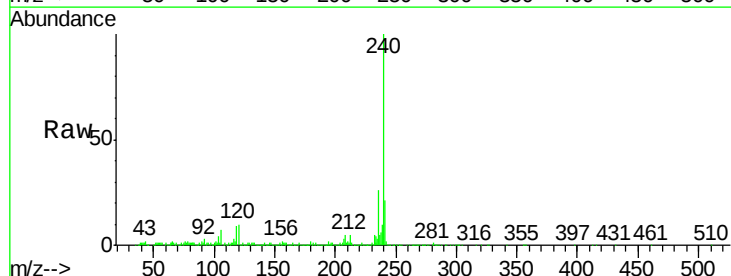


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

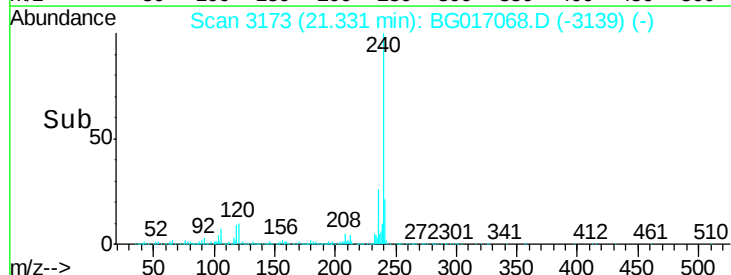
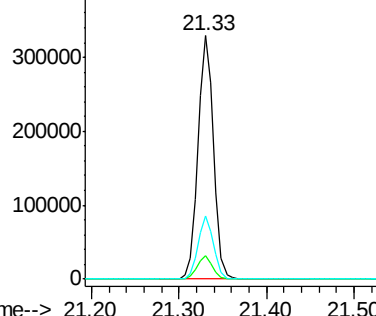


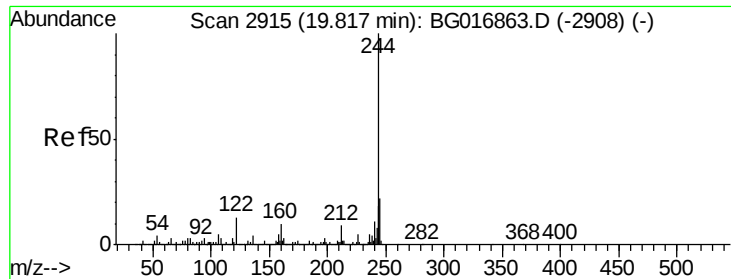
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.33 min Scan# 3173  
Delta R.T. -0.00 min  
Lab File: BG017068.D  
Acq: 12 May 2015 2:09

Tgt Ion:240 Resp: 404568  
Ion Ratio Lower Upper  
240 100  
120 9.9 9.1 13.7  
236 26.1 20.2 30.4



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: 88.10 ng

RT: 19.79 min Scan# 2910

Delta R.T. 0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

Instrument :

BNA\_G

ClientSampleId :

MW-15R

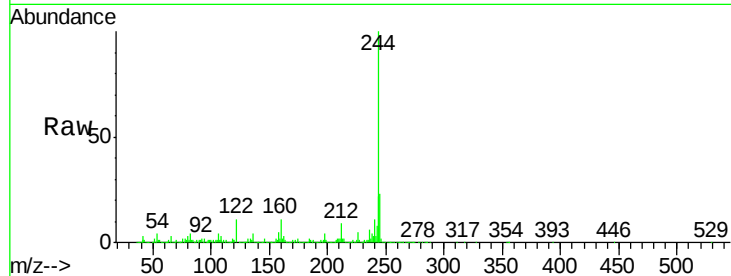
Tgt Ion:244 Resp: 1520349

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

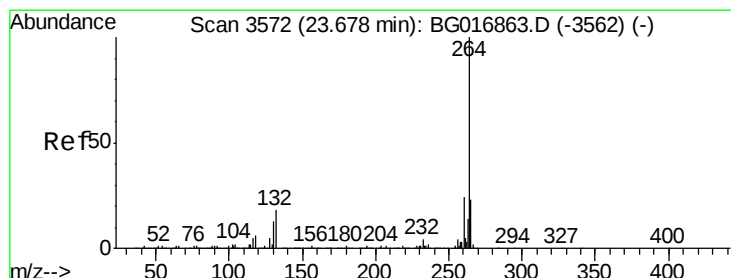
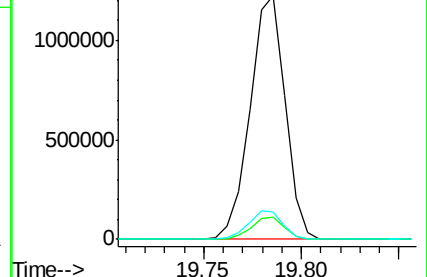
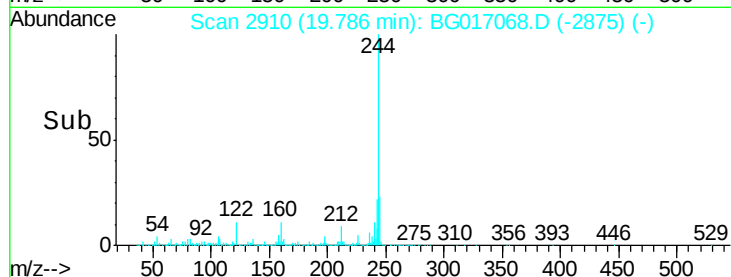
122 11.3 10.4 15.6



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: 23.62 min Scan# 3562

Delta R.T. -0.00 min

Lab File: BG017068.D

Acq: 12 May 2015 2:09

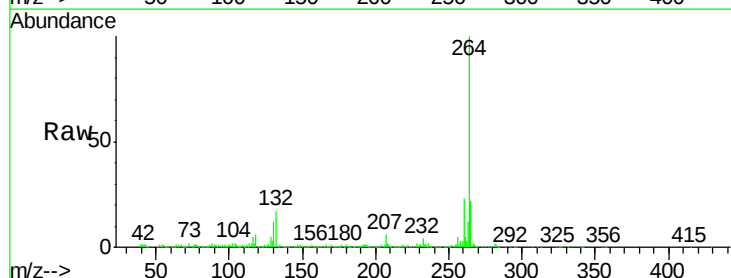
Tgt Ion:264 Resp: 401901

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

265 21.7 18.5 27.7



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

