

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012615\  
 Data File : BG015928.D  
 Acq On : 27 Jan 2015 00:56  
 Operator : TP/IZ  
 Sample : G1167-10  
 Misc : S  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-11-COMP

Quant Time: Jan 27 03:44:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 20 17:47:40 2015  
 Response via : Initial Calibration

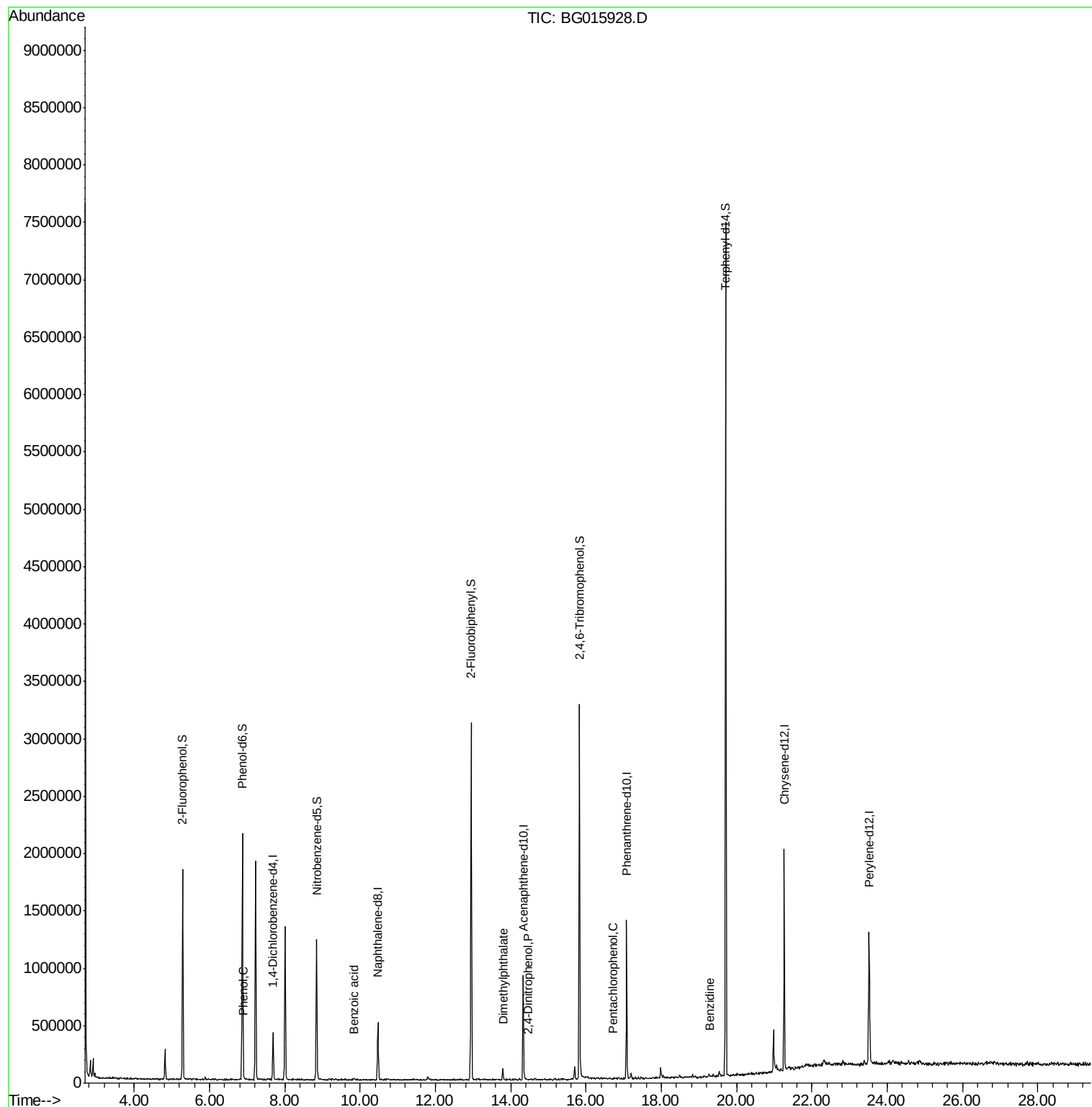
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 82248    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.47 | 136  | 316416   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.33 | 164  | 259499   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 713606   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 981104   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.52 | 264  | 936859   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 577552   | 104.57    | ng    | 0.00     |
| 7) Phenol-d6                | 6.87  | 99   | 950751   | 106.82    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 760611   | 69.29     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.82 | 330  | 504561   | 106.21    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 1365394  | 82.56     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 2897930  | 83.52     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 10) Phenol                  | 6.90  | 94   | 28109    | 2.77      | ng    | # 72     |
| 32) Benzoic acid            | 9.82  | 122  | 439      | 10.58     | ng    | # 1      |
| 49) Dimethylphthalate       | 13.79 | 163  | 51052    | 2.73      | ng    | # 95     |
| 53) 2,4-Dinitrophenol       | 14.46 | 184  | 150      | 4.57      | ng    | # 10     |
| 69) Pentachlorophenol       | 16.72 | 266  | 286      | 5.28      | ng    | # 97     |
| 76) Benzidine               | 19.29 | 184  | 747      | 2.02      | ng    | # 1      |
| 80) Benzo(a)anthracene      | 21.27 | 228  | 4799     | Below Cal |       | # 70     |

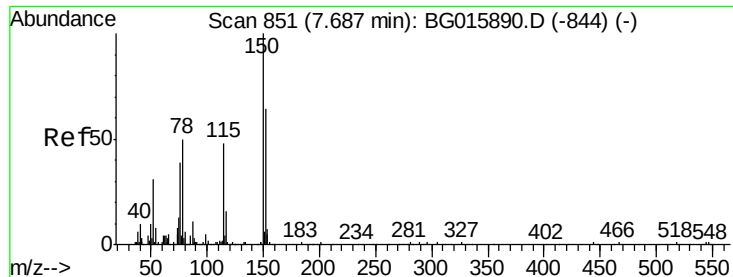
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012615\  
Data File : BG015928.D  
Acq On : 27 Jan 2015 00:56  
Operator : TP/IZ  
Sample : G1167-10  
Misc : S  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-11-COMP

Quant Time: Jan 27 03:44:04 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 20 17:47:40 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.69 min Scan# 851

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

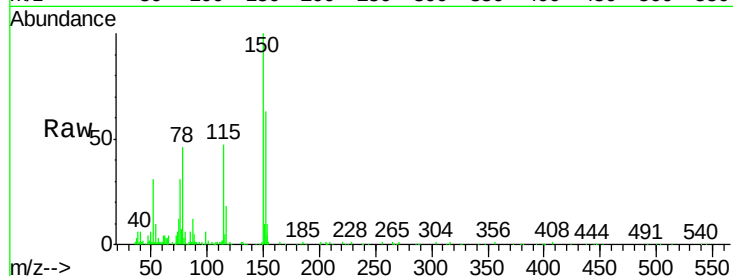
Tgt Ion:152 Resp: 82248

Ion Ratio Lower Upper

152 100

150 158.3 124.5 186.7

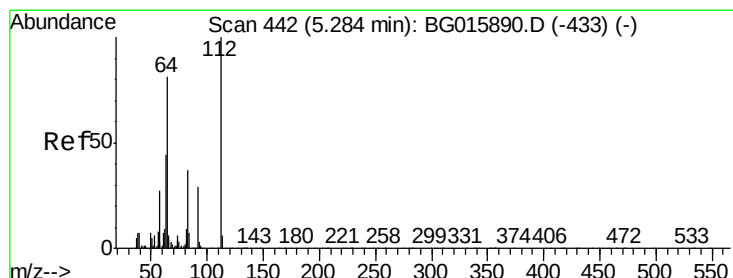
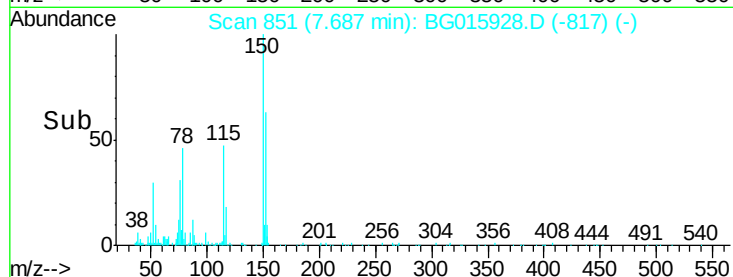
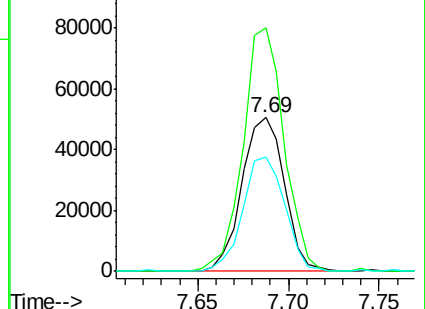
115 74.3 60.4 90.6



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: 104.57 ng

RT: 5.28 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

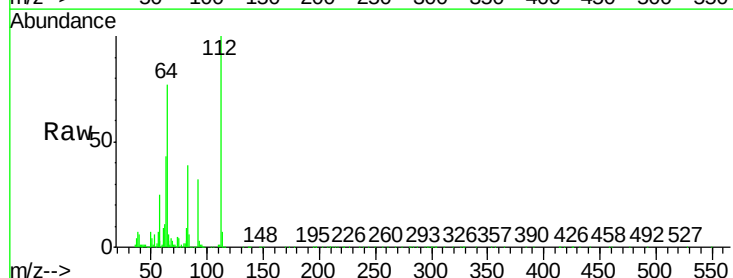
Tgt Ion:112 Resp: 577552

Ion Ratio Lower Upper

112 100

64 77.1 64.4 96.6

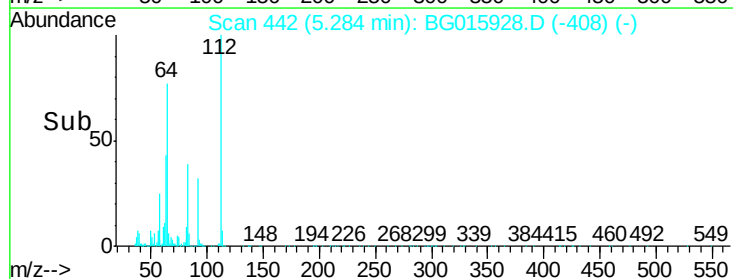
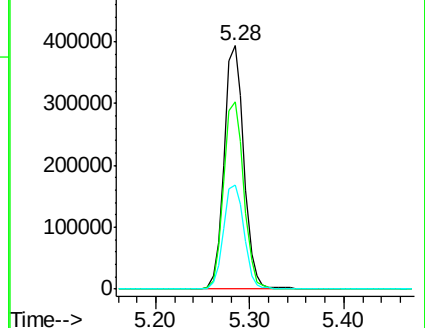
63 42.9 35.1 52.7

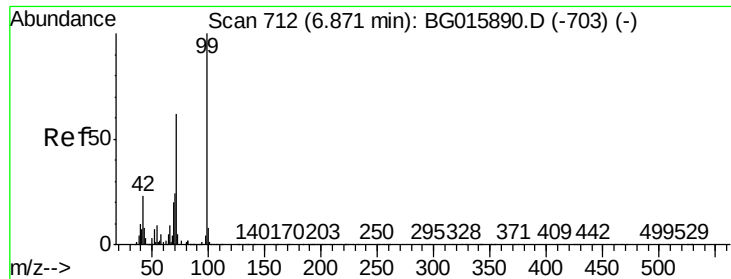


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 106.82 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

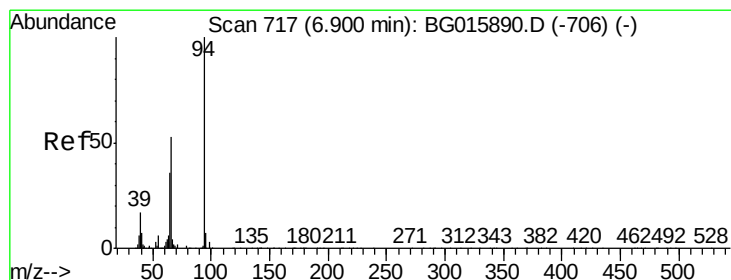
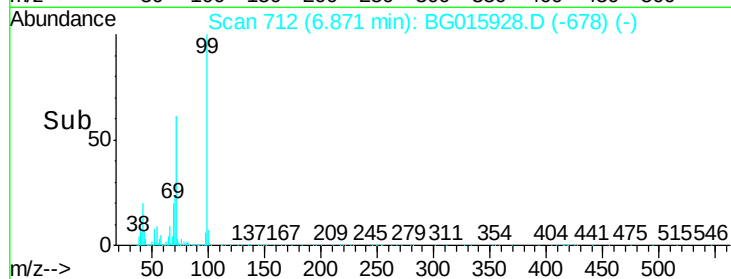
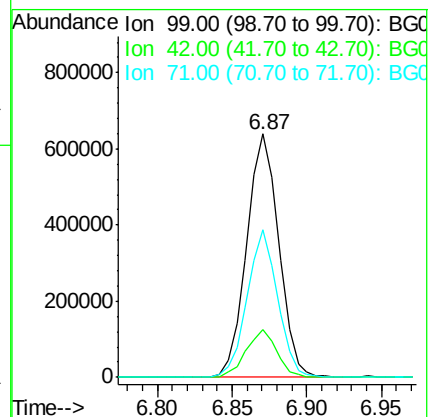
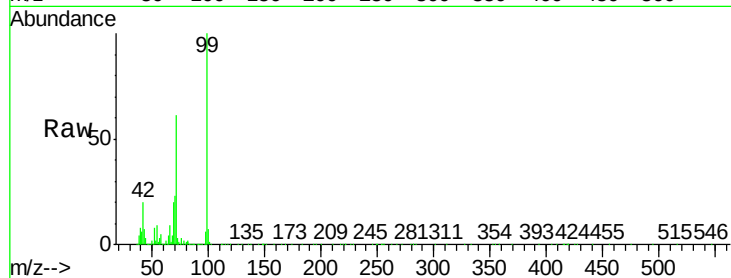
Tgt Ion: 99 Resp: 950751

Ion Ratio Lower Upper

99 100

42 19.7 18.1 27.1

71 60.8 49.8 74.8



#10

Phenol

Concen: 2.77 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

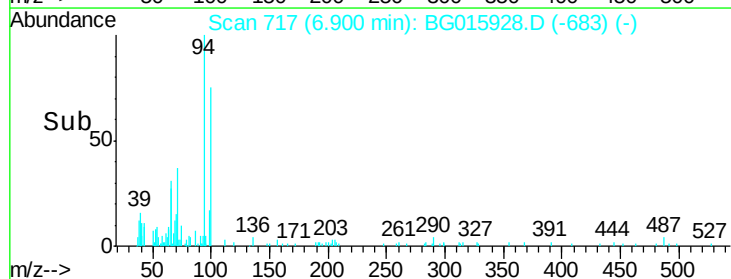
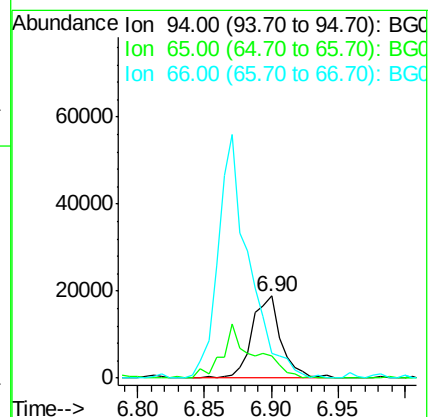
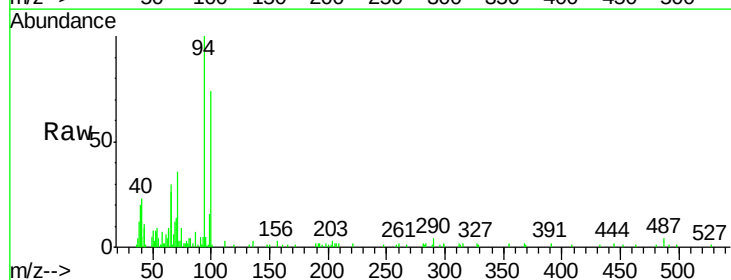
Tgt Ion: 94 Resp: 28109

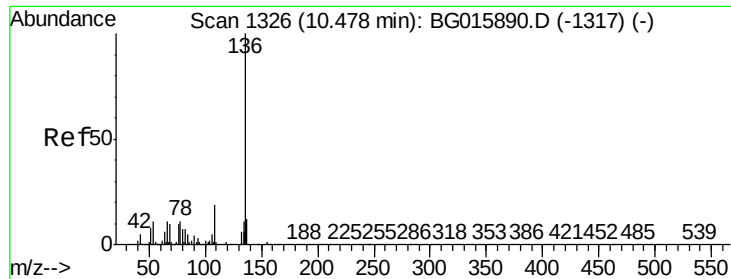
Ion Ratio Lower Upper

94 100

65 25.2 16.5 56.5

66 28.7 33.3 73.3#

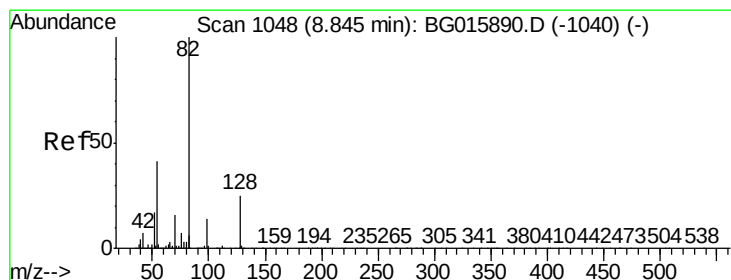
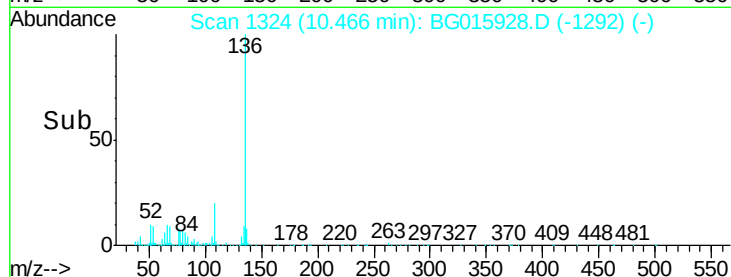
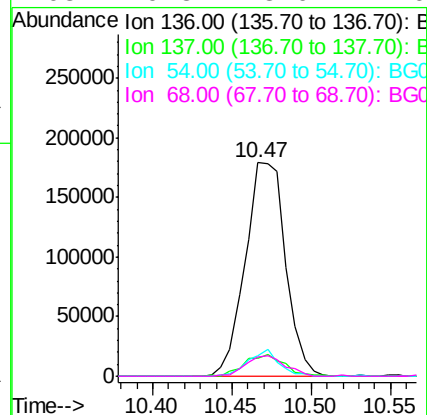
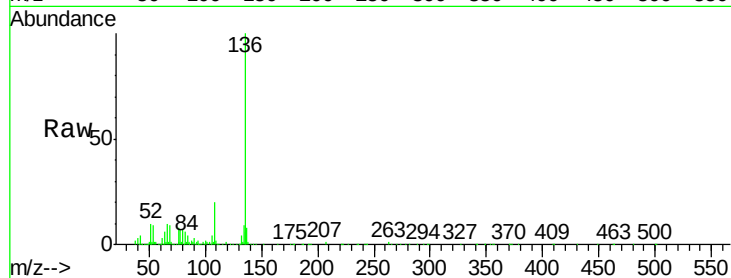




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.47 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG015928.D  
Acq: 27 Jan 2015 00:56

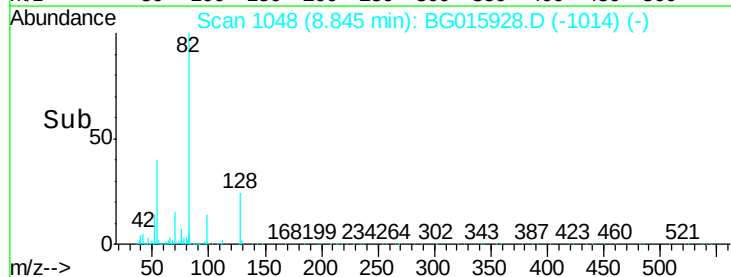
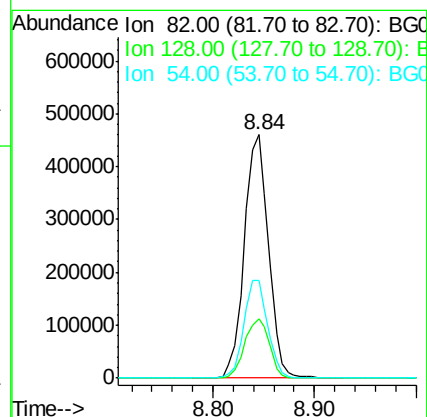
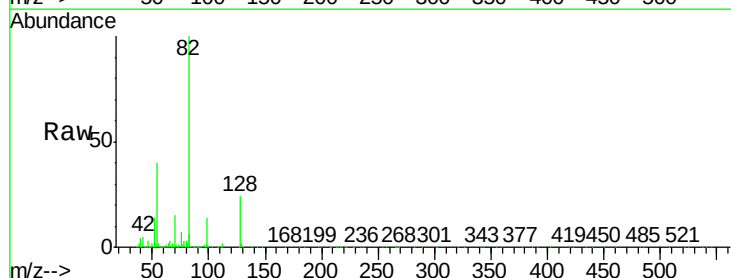
Instrument :  
BNA\_G  
ClientSampleId :  
SB-11-COMP

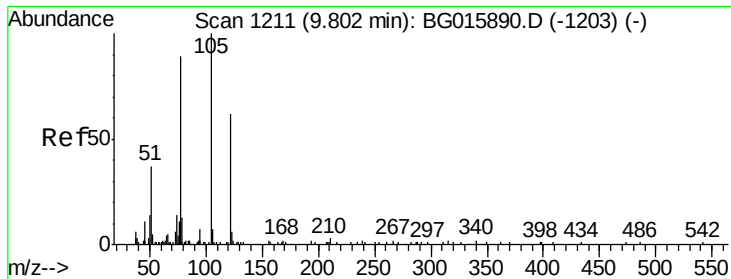
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 316416 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 8.3   | 9.7   | 14.5#  |
| 54       | 9.5   | 8.5   | 12.7   |
| 68       | 9.3   | 8.0   | 12.0   |



#23  
Nitrobenzene-d5  
Concen: 69.29 ng  
RT: 8.84 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BG015928.D  
Acq: 27 Jan 2015 00:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 760611 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 24.3  | 19.8  | 29.8   |
| 54       | 40.4  | 33.0  | 49.4   |





#32

Benzoic acid

Concen: 10.58 ng

RT: 9.82 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

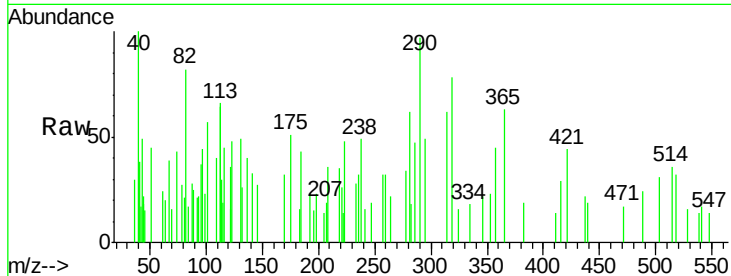
Tgt Ion:122 Resp: 439

Ion Ratio Lower Upper

122 100

105 0.0 140.2 180.2#

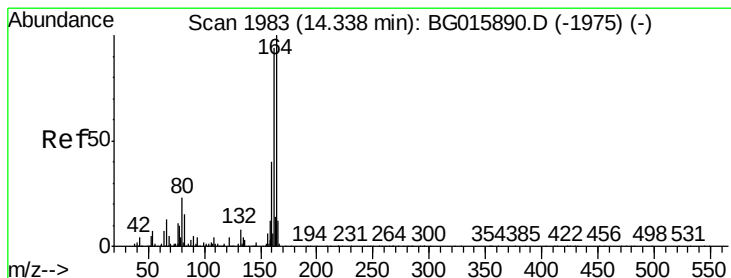
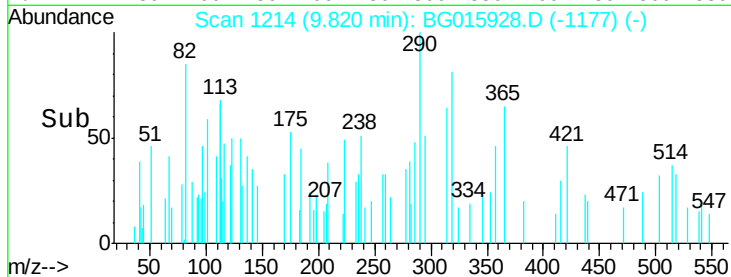
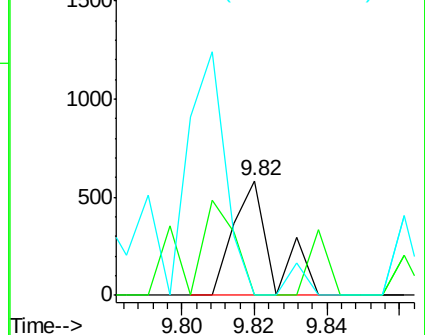
77 0.0 126.4 166.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

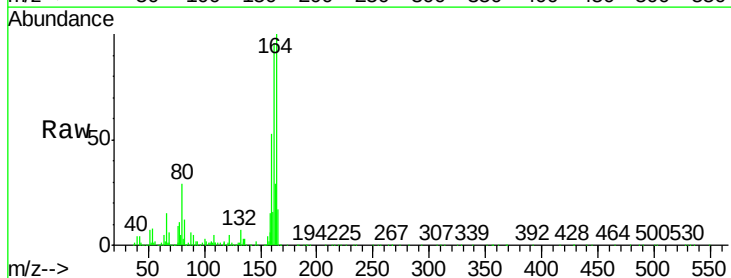
Tgt Ion:164 Resp: 259499

Ion Ratio Lower Upper

164 100

162 96.0 75.1 112.7

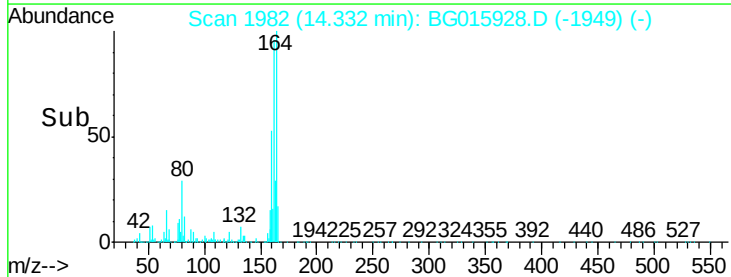
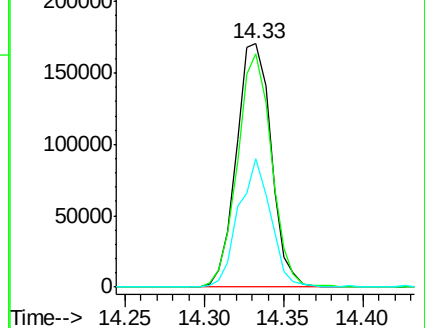
160 53.0 32.3 48.5#

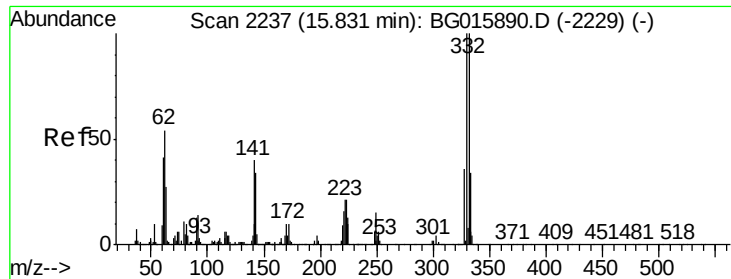


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

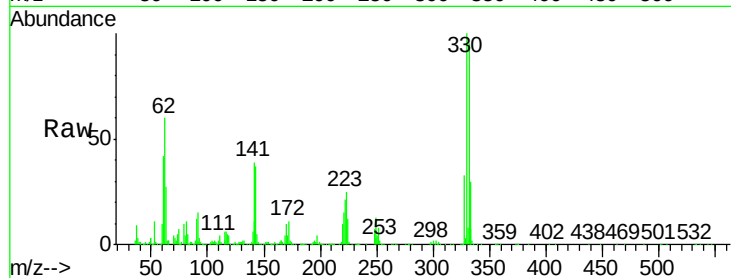




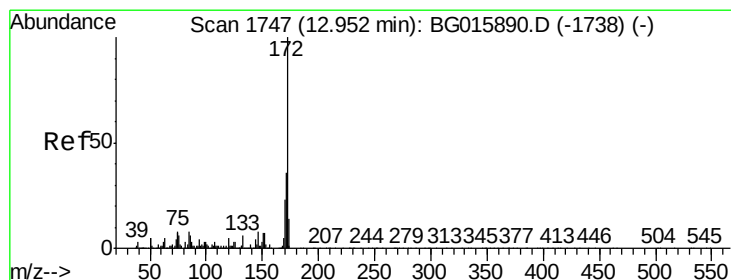
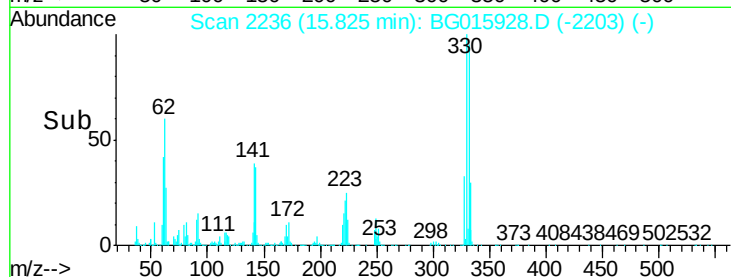
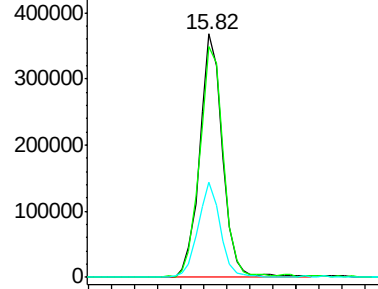
#41  
 2,4,6-Tribromophenol  
 Concen: 106.21 ng  
 RT: 15.82 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BG015928.D  
 Acq: 27 Jan 2015 00:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-11-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 75.4  | 113.0 |
| 141     | 38.1  | 33.0  | 49.6  |

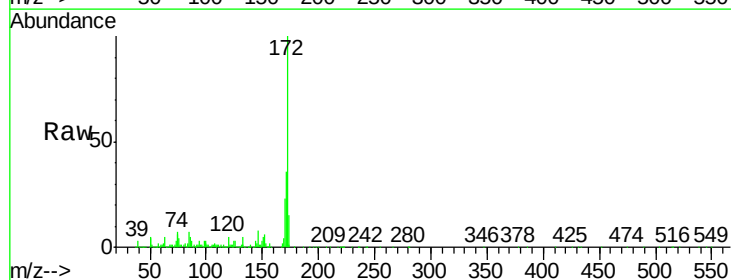


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

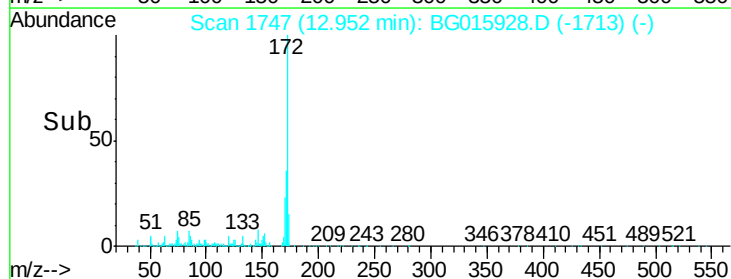
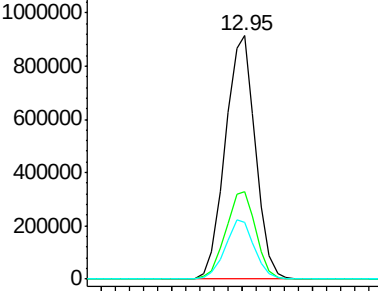


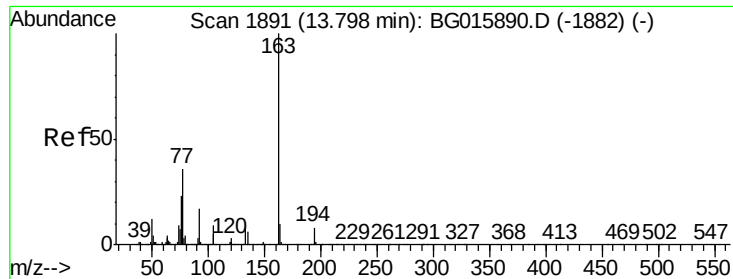
#44  
 2-Fluorobiphenyl  
 Concen: 82.56 ng  
 RT: 12.95 min Scan# 1747  
 Delta R.T. 0.00 min  
 Lab File: BG015928.D  
 Acq: 27 Jan 2015 00:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.2  | 43.8  |
| 170     | 23.5  | 18.6  | 27.8  |



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: 2.73 ng

RT: 13.79 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

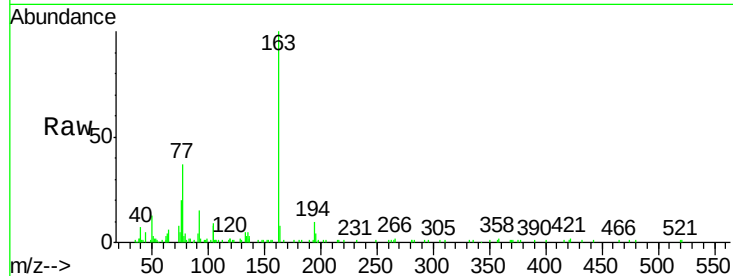
Tgt Ion:163 Resp: 51052

Ion Ratio Lower Upper

163 100

194 9.5 6.2 9.4#

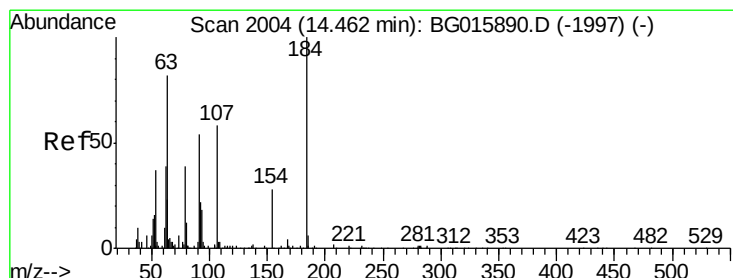
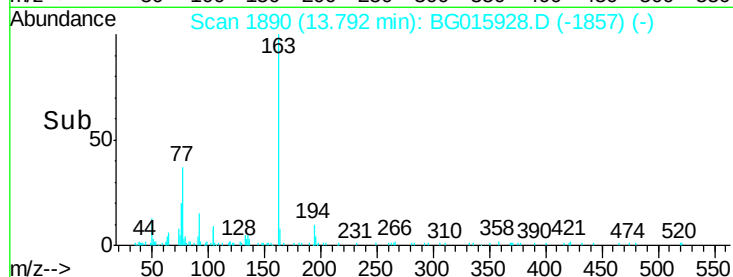
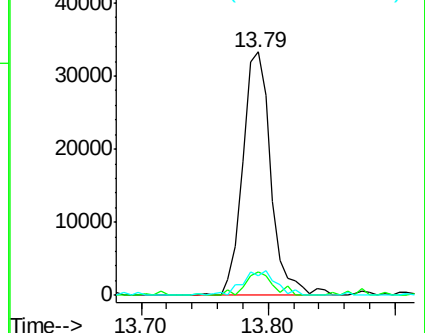
164 8.0 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 4.57 ng

RT: 14.46 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

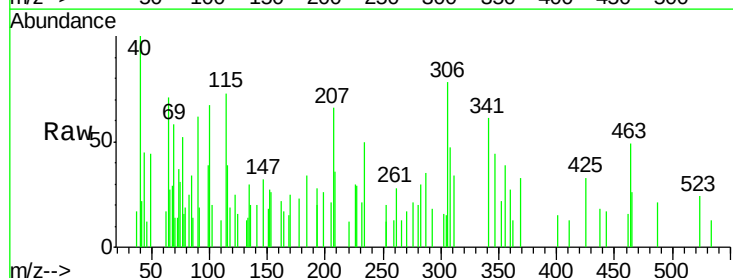
Tgt Ion:184 Resp: 150

Ion Ratio Lower Upper

184 100

63 0.0 68.6 103.0#

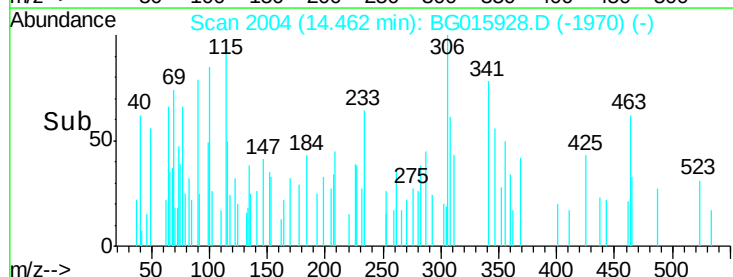
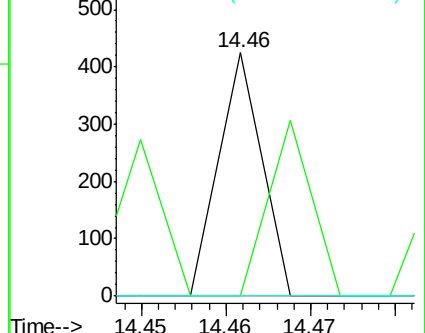
154 0.0 54.9 82.3#



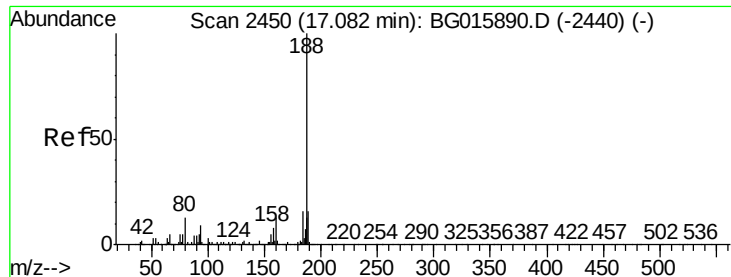
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E







#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

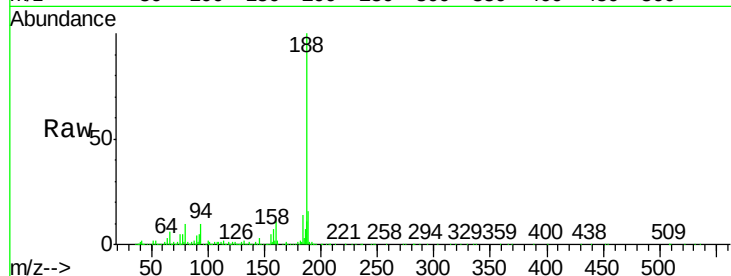
Tgt Ion:188 Resp: 713606

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.8

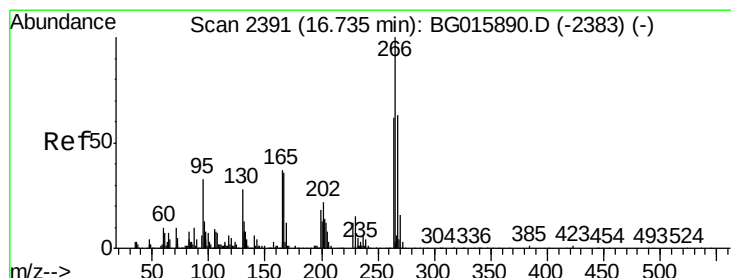
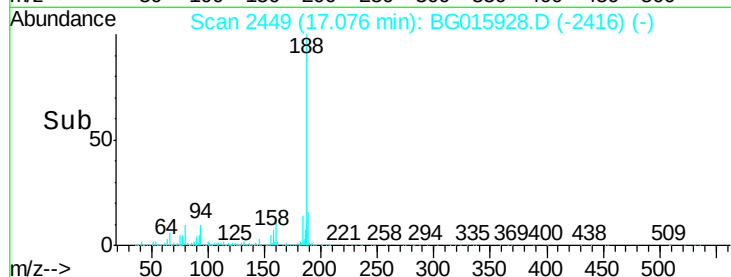
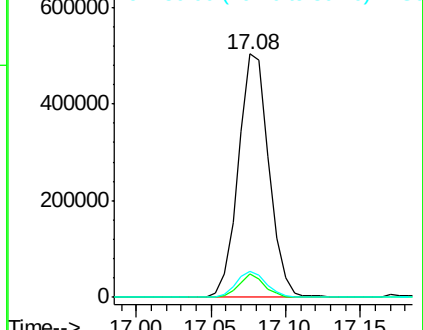
80 10.5 10.6 16.0#



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



#69

Pentachlorophenol

Concen: 5.28 ng

RT: 16.72 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

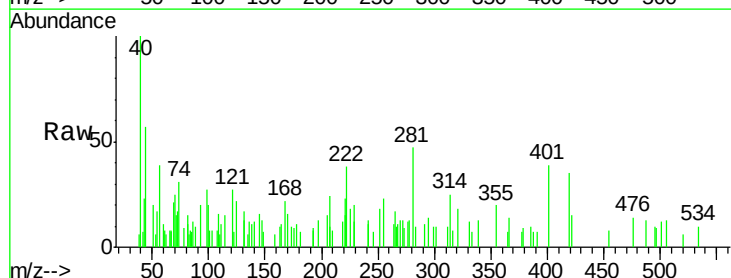
Tgt Ion:266 Resp: 286

Ion Ratio Lower Upper

266 100

268 67.6 53.5 80.3

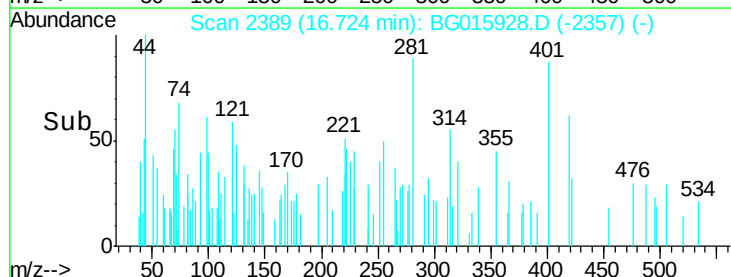
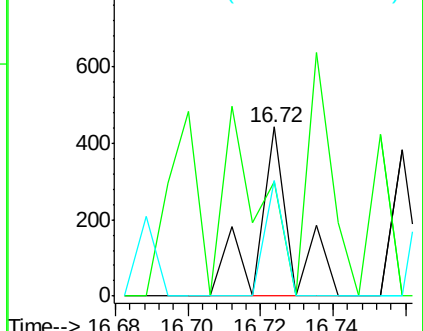
264 68.6 51.9 77.9

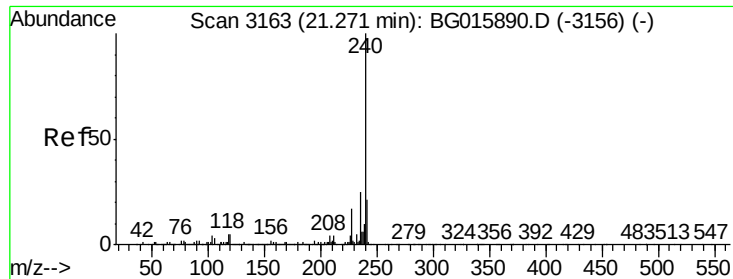


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

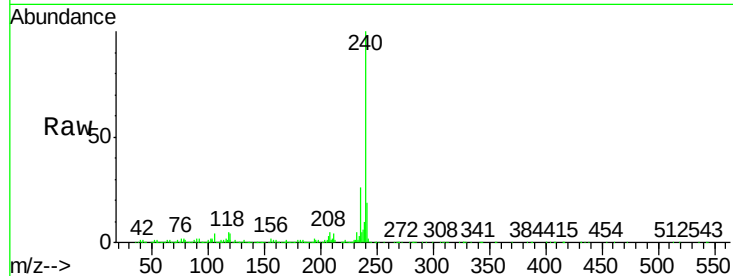
Tgt Ion:240 Resp: 981104

Ion Ratio Lower Upper

240 100

120 4.3 3.9 5.9

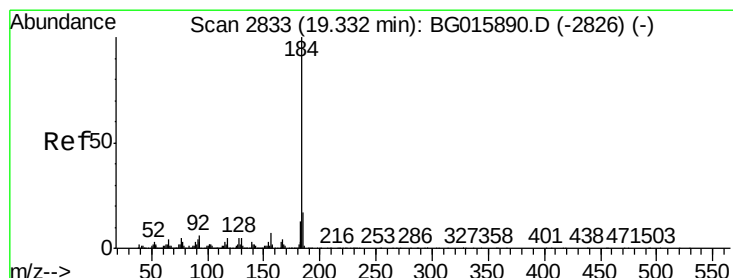
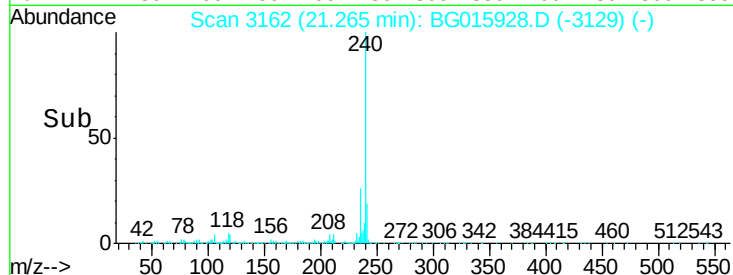
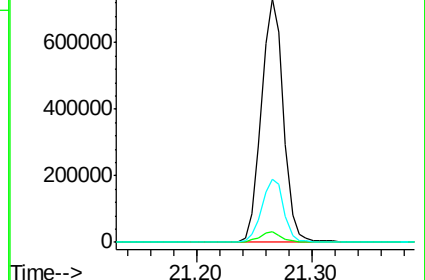
236 26.0 20.0 30.0



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



#76

Benzidine

Concen: 2.02 ng

RT: 19.29 min Scan# 2825

Delta R.T. -0.05 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

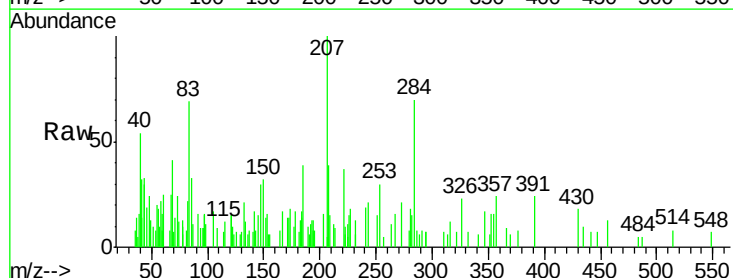
Tgt Ion:184 Resp: 747

Ion Ratio Lower Upper

184 100

185 123.3 13.3 19.9#

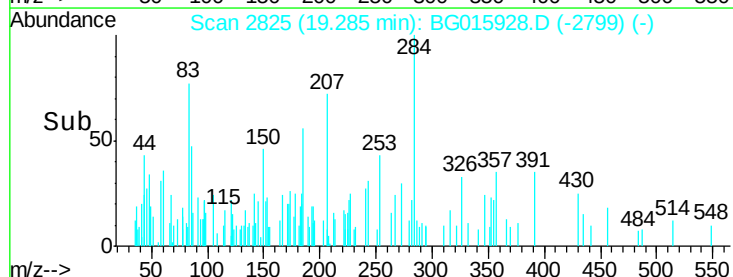
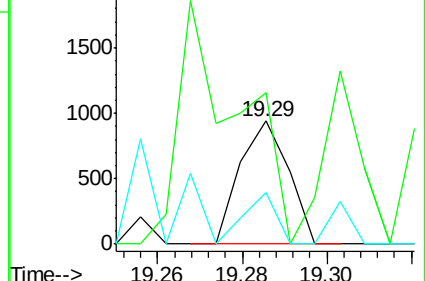
183 97.2 10.1 15.1#

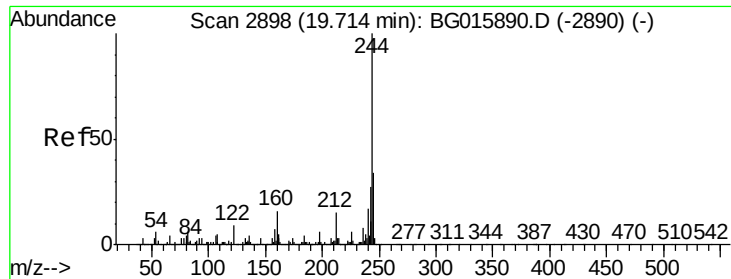


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 83.52 ng

RT: 19.71 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

Instrument :

BNA\_G

ClientSampleId :

SB-11-COMP

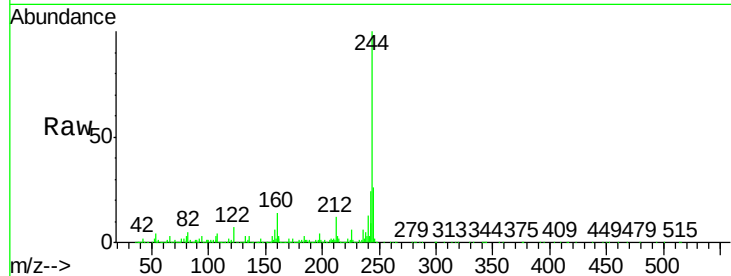
Tgt Ion:244 Resp: 2897930

Ion Ratio Lower Upper

244 100

212 11.7 11.6 17.4

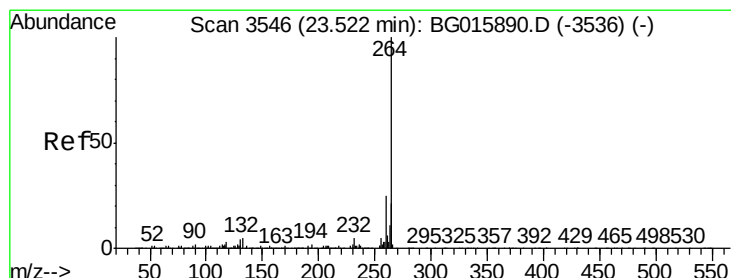
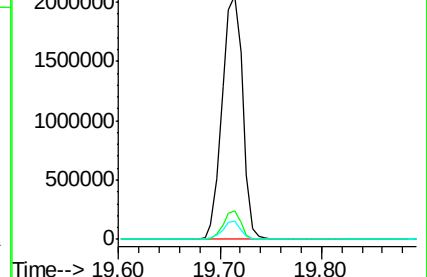
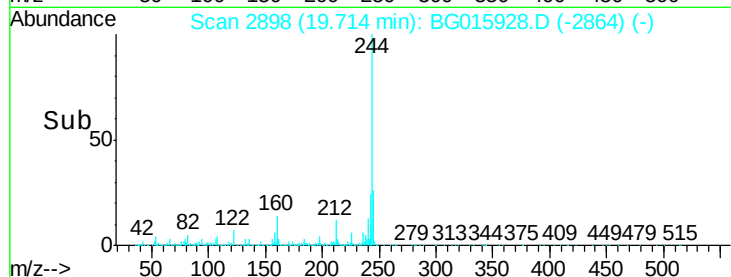
122 7.3 7.0 10.4



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: 23.52 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BG015928.D

Acq: 27 Jan 2015 00:56

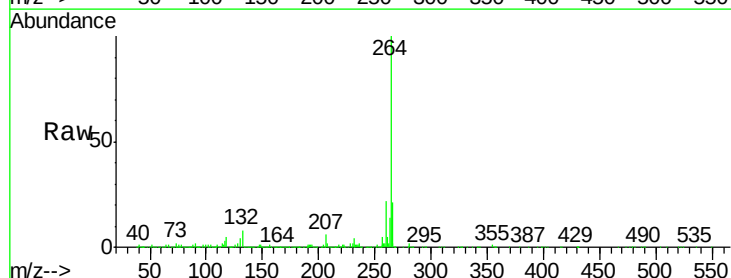
Tgt Ion:264 Resp: 936859

Ion Ratio Lower Upper

264 100

260 22.1 19.7 29.5

265 20.8 17.3 25.9



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

