

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG012615\  
 Data File : BG015926.D  
 Acq On : 26 Jan 2015 23:47  
 Operator : TP/IZ  
 Sample : G1167-06  
 Misc : S  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-07-COMP

Quant Time: Jan 27 02:33:32 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

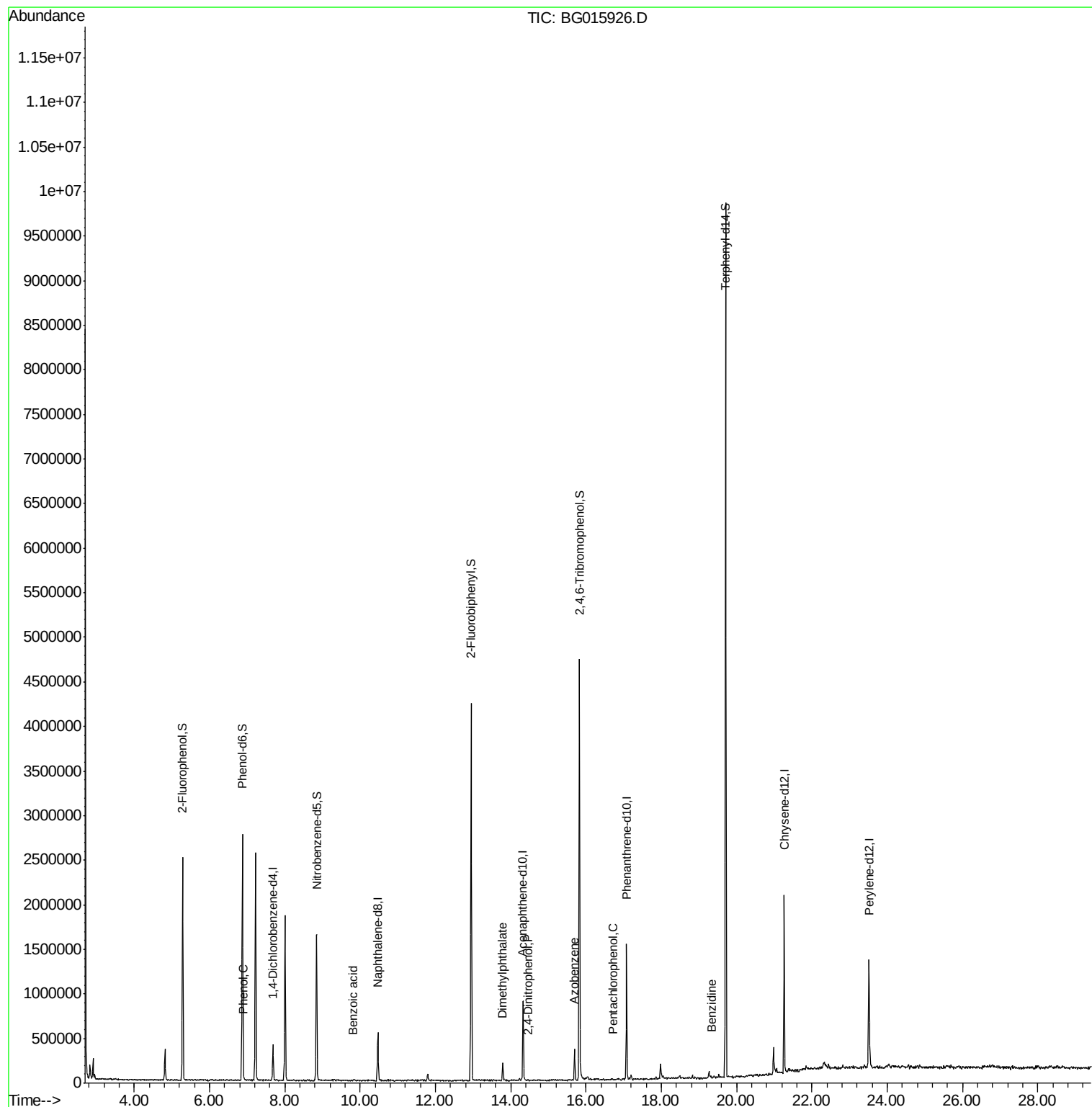
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-----------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 76709    | 20.00     | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.47 | 136  | 318973   | 20.00     | ng    | -0.01     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 267437   | 20.00     | ng    | -0.01     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 748601   | 20.00     | ng    | 0.00      |
| 75) Chrysene-d12            | 21.27 | 240  | 977787   | 20.00     | ng    | 0.00      |
| 86) Perylene-d12            | 23.52 | 264  | 938574   | 20.00     | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |           |       |           |
| 5) 2-Fluorophenol           | 5.29  | 112  | 797465   | 154.81    | ng    | 0.00      |
| 7) Phenol-d6                | 6.87  | 99   | 1293273  | 155.80    | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 1057851  | 95.60     | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 746332   | 152.44    | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 1779570  | 104.40    | ng    | 0.00      |
| 78) Terphenyl-d14           | 19.71 | 244  | 3374240  | 109.08    | ng    | 0.00      |
| Target Compounds            |       |      |          |           |       |           |
| 10) Phenol                  | 6.90  | 94   | 41840    | 4.42      | ng    | Qvalue 96 |
| 32) Benzoic acid            | 9.79  | 122  | 318      | 10.48     | ng    | # 8       |
| 49) Dimethylphthalate       | 13.79 | 163  | 89686    | 4.66      | ng    | # 91      |
| 53) 2,4-Dinitrophenol       | 14.46 | 184  | 59       | 4.52      | ng    | # 10      |
| 62) Azobenzene              | 15.70 | 77   | 114860   | 3.61      | ng    | # 26      |
| 69) Pentachlorophenol       | 16.71 | 266  | 240      | 5.27      | ng    | # 17      |
| 76) Benzidine               | 19.35 | 184  | 396      | 2.00      | ng    | # 64      |
| 80) Benzo(a)anthracene      | 21.27 | 228  | 4903     | Below Cal |       | # 72      |

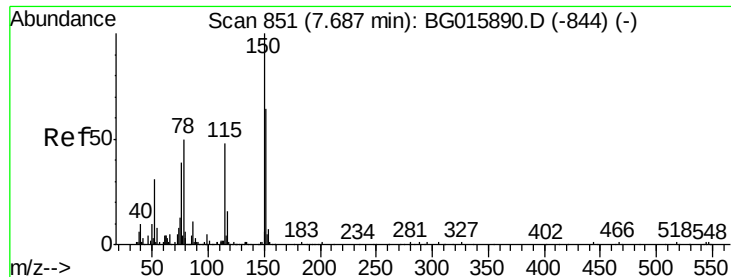
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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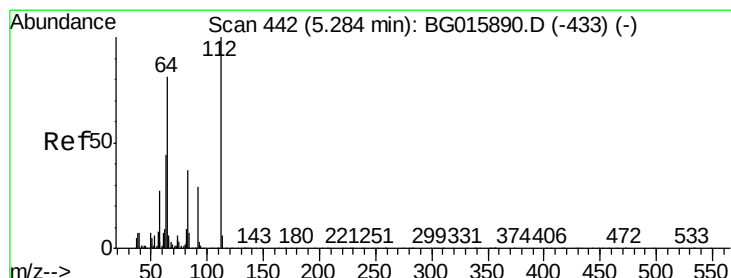
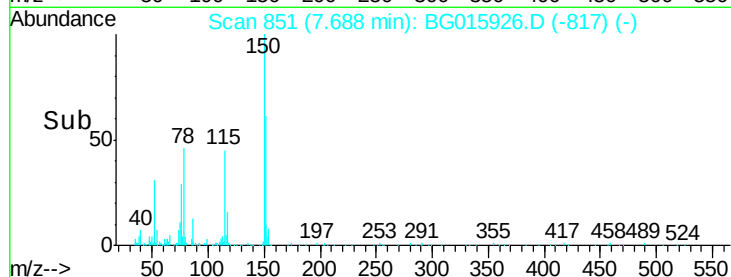
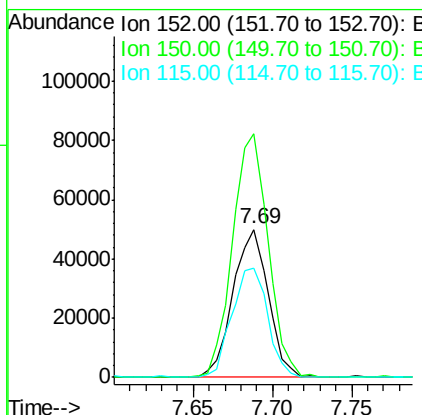
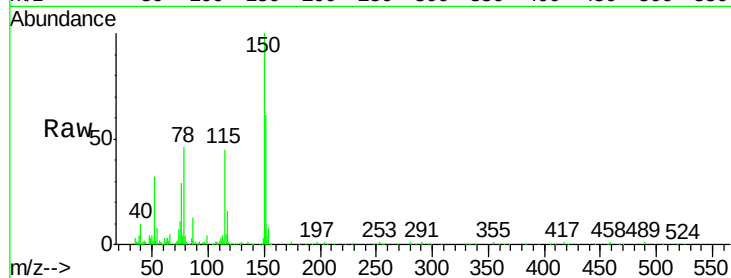


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 851  
Delta R.T. 0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-COMP

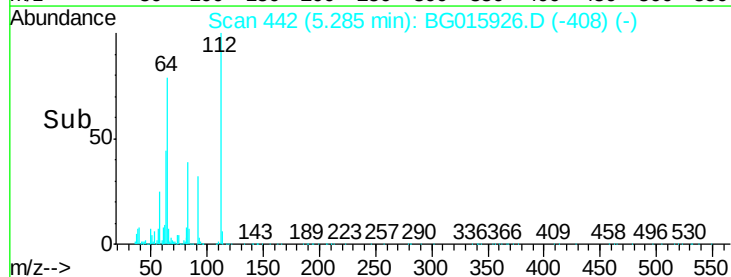
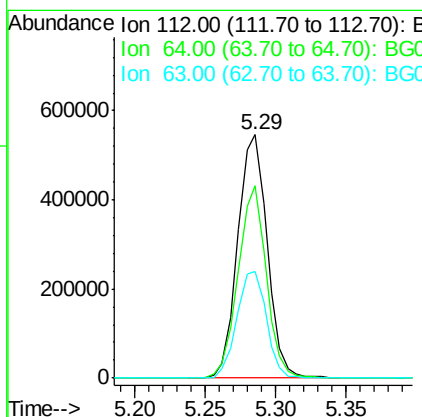
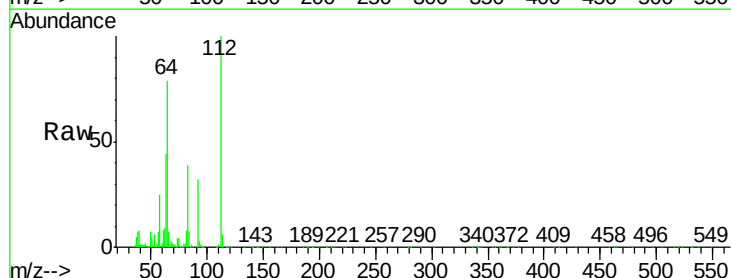
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.3 | 124.5 | 186.7 |
| 115     | 73.6  | 60.4  | 90.6  |

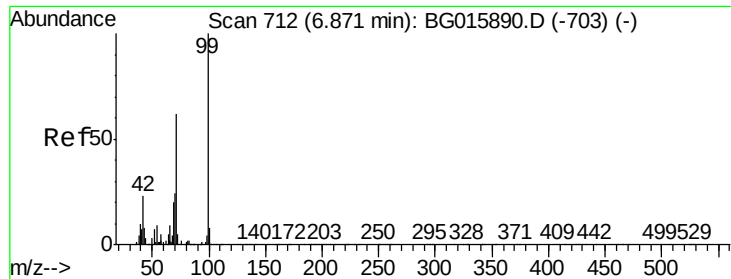


#5

2-Fluorophenol  
Concen: 154.81 ng  
RT: 5.29 min Scan# 442  
Delta R.T. 0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 78.8  | 64.4  | 96.6  |
| 63      | 43.9  | 35.1  | 52.7  |





#7

Phenol-d6

Concen: 155.80 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

Instrument :

BNA\_G

ClientSampleId :

SB-07-COMP

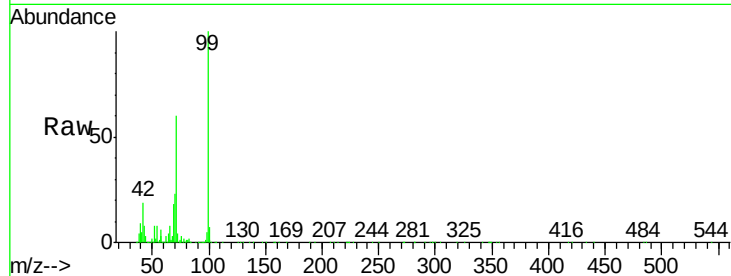
Tgt Ion: 99 Resp: 1293273

Ion Ratio Lower Upper

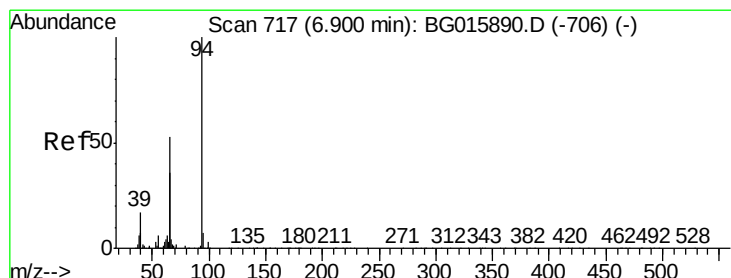
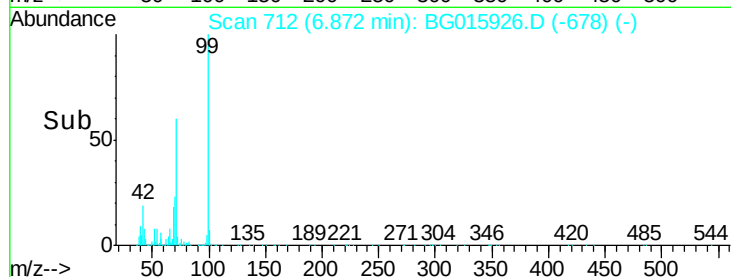
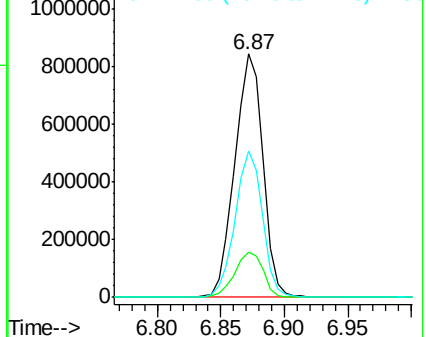
99 100

42 18.7 18.1 27.1

71 60.2 49.8 74.8



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



#10

Phenol

Concen: 4.42 ng

RT: 6.90 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

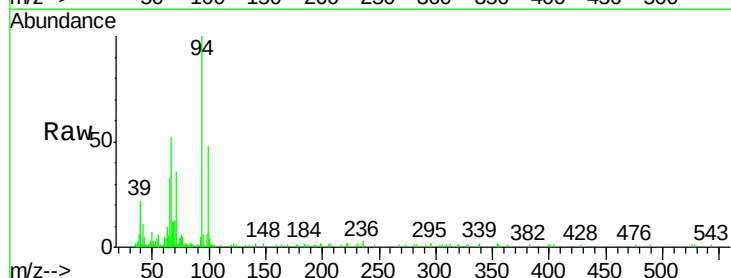
Tgt Ion: 94 Resp: 41840

Ion Ratio Lower Upper

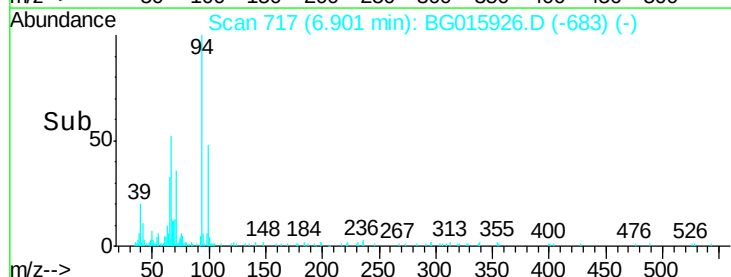
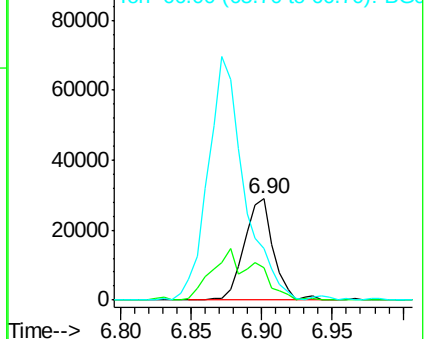
94 100

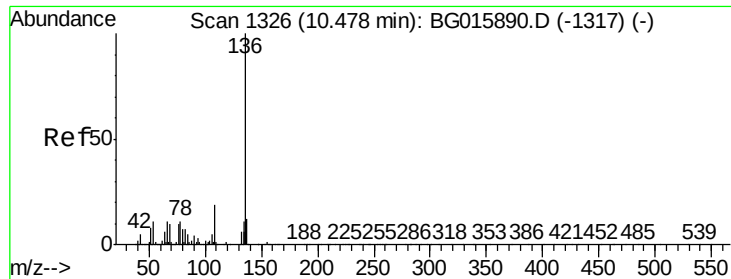
65 32.7 16.5 56.5

66 51.7 33.3 73.3



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

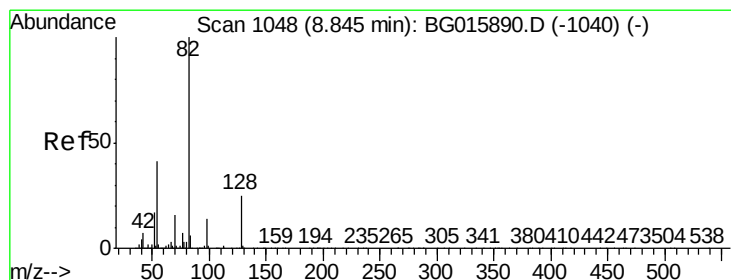
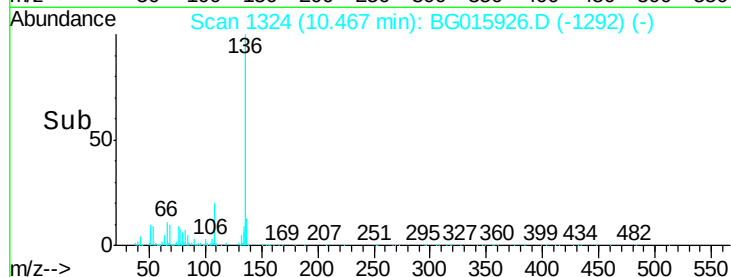
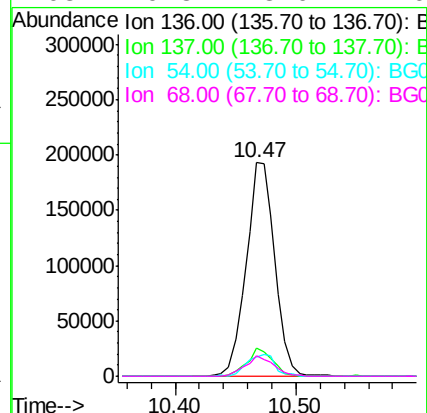
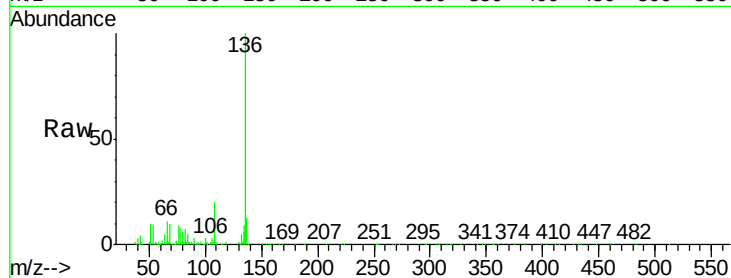




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.47 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

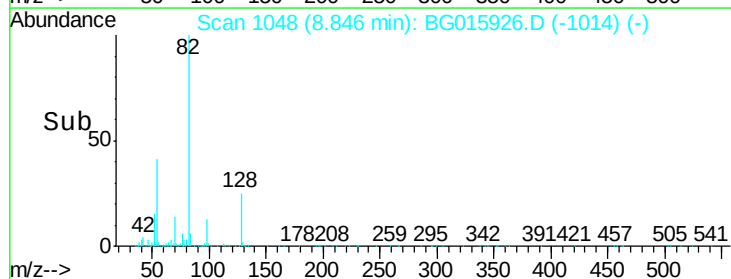
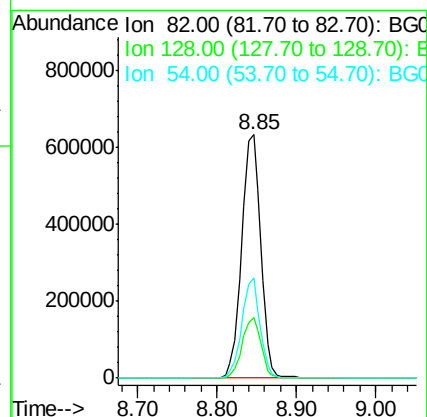
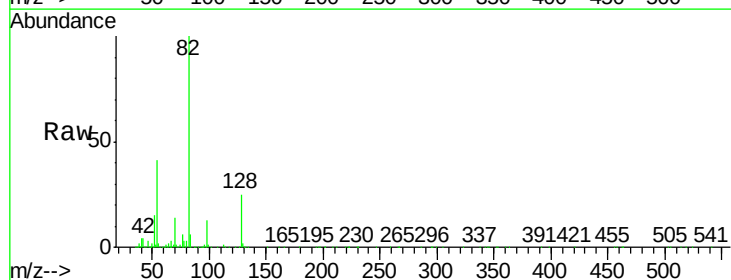
Instrument :  
BNA\_G  
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SB-07-COMP

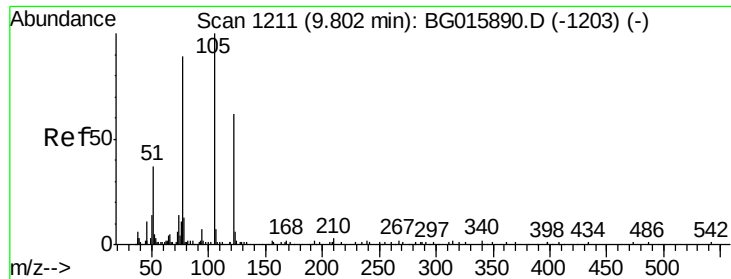
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 318973 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.9  | 9.7   | 14.5   |
| 54       | 8.9   | 8.5   | 12.7   |
| 68       | 9.8   | 8.0   | 12.0   |



#23  
Nitrobenzene-d5  
Concen: 95.60 ng  
RT: 8.85 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1057851 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 24.8  | 19.8  | 29.8    |
| 54       | 41.2  | 33.0  | 49.4    |

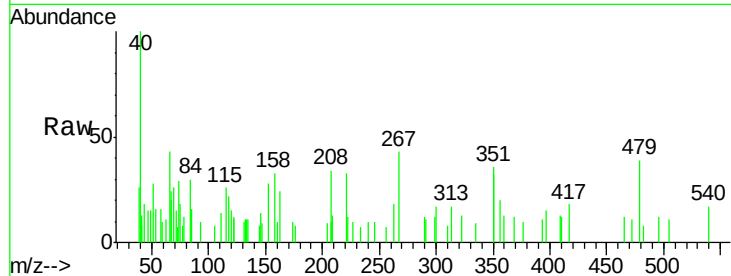




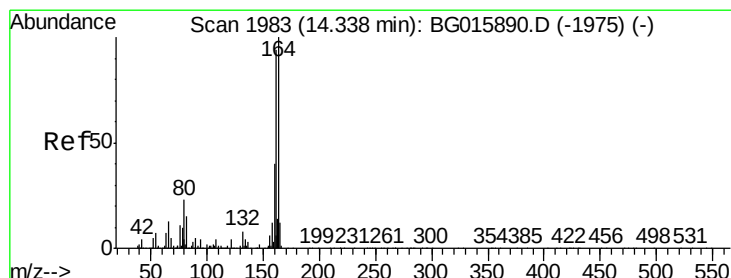
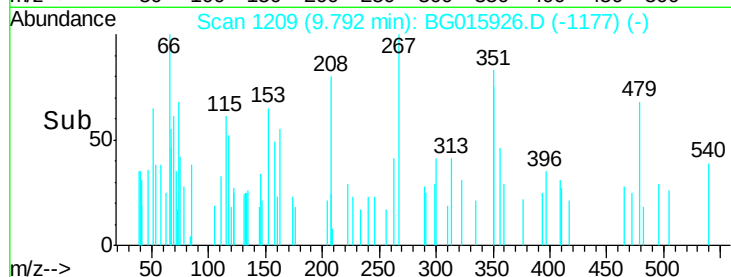
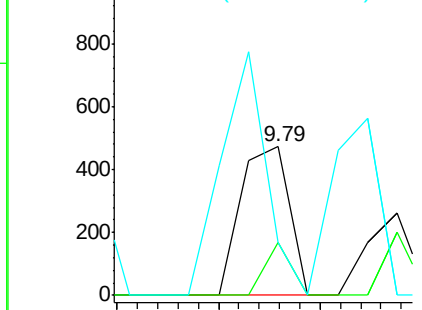
#32  
Benzoic acid  
Concen: 10.48 ng  
RT: 9.79 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-COMP

Tgt Ion:122 Resp: 318  
Ion Ratio Lower Upper  
122 100  
105 35.7 140.2 180.2#  
77 35.5 126.4 166.4#

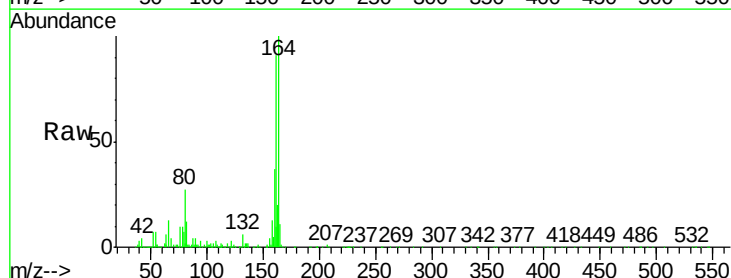


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGC

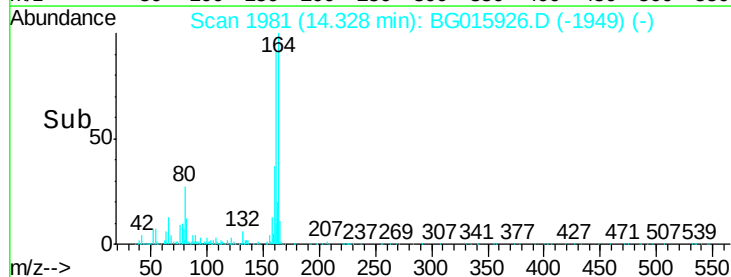
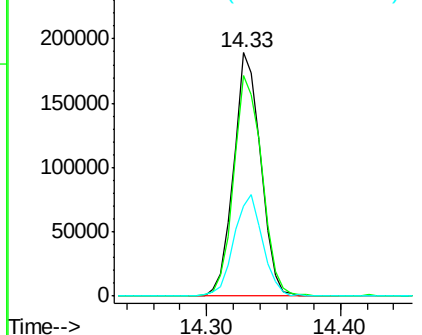


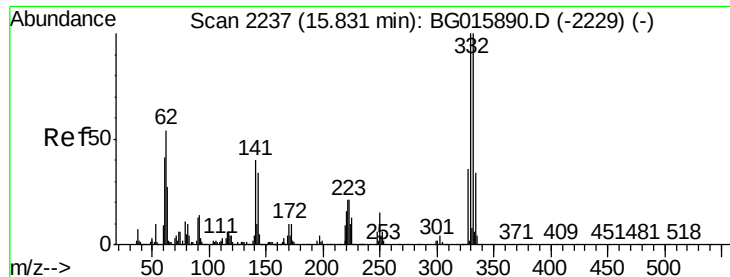
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.33 min Scan# 1981  
Delta R.T. -0.01 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Tgt Ion:164 Resp: 267437  
Ion Ratio Lower Upper  
164 100  
162 90.5 75.1 112.7  
160 36.9 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

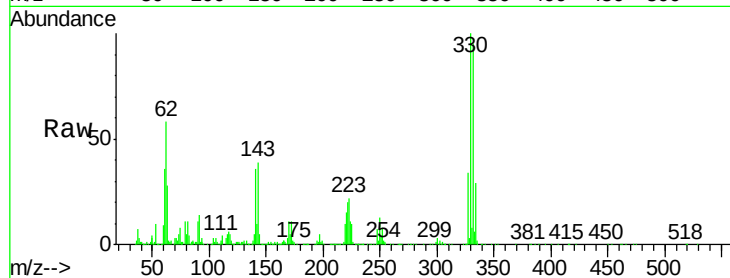




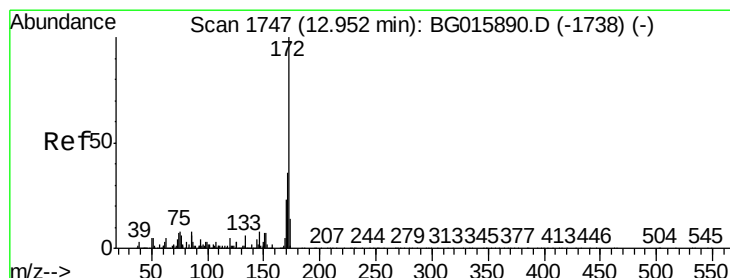
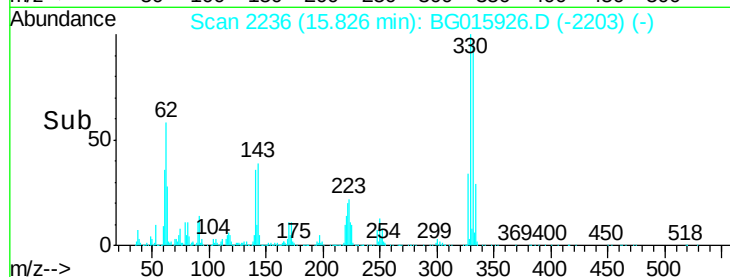
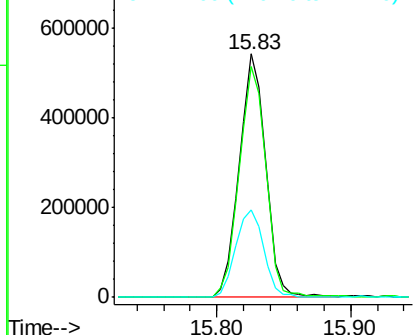
#41  
2,4,6-Tribromophenol  
Concen: 152.44 ng  
RT: 15.83 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-COMP

Tgt Ion:330 Resp: 746332  
Ion Ratio Lower Upper  
330 100  
332 95.9 75.4 113.0  
141 38.3 33.0 49.6

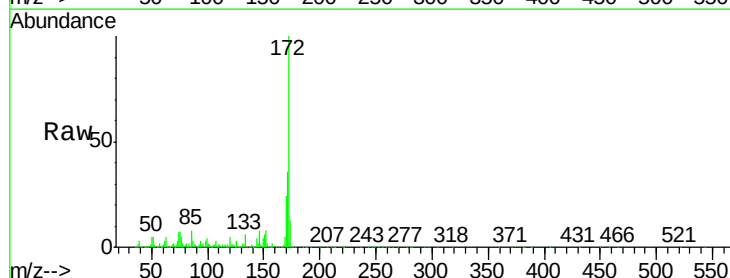


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

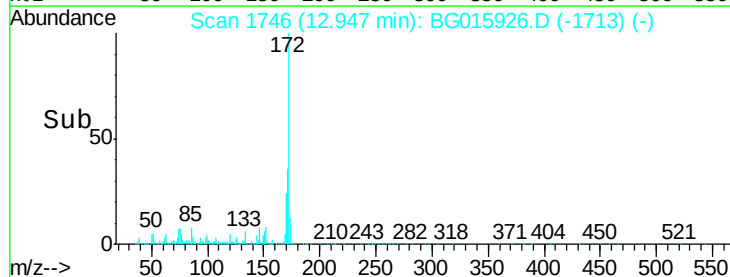
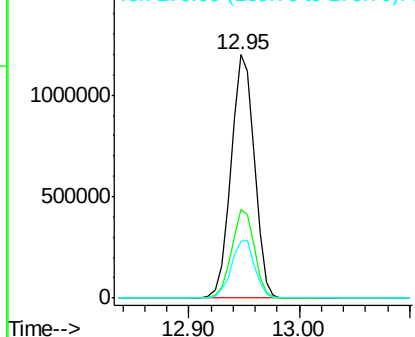


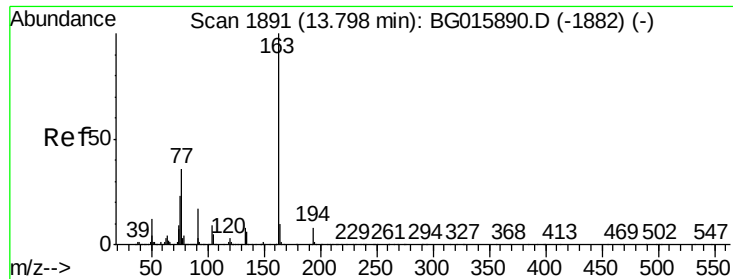
#44  
2-Fluorobiphenyl  
Concen: 104.40 ng  
RT: 12.95 min Scan# 1746  
Delta R.T. -0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Tgt Ion:172 Resp: 1779570  
Ion Ratio Lower Upper  
172 100  
171 36.2 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: 4.66 ng

RT: 13.79 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

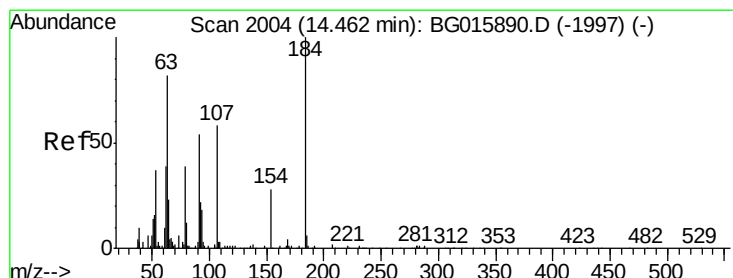
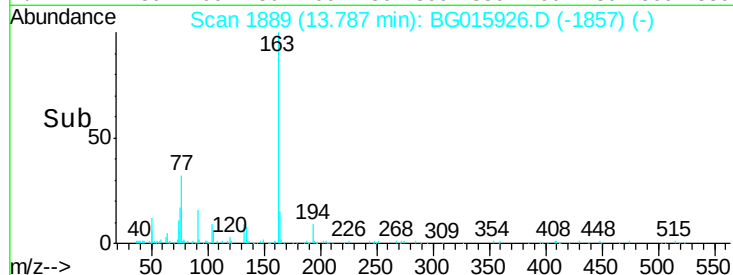
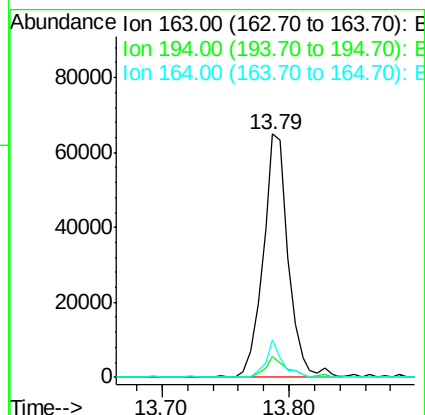
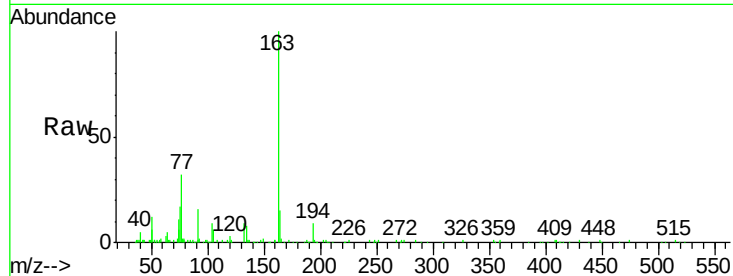
Instrument :

BNA\_G

ClientSampleId :

SB-07-COMP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 89686 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 8.7   | 6.2   | 9.4   |
| 164       | 15.3  | 8.0   | 12.0# |



#53

2,4-Dinitrophenol

Concen: 4.52 ng

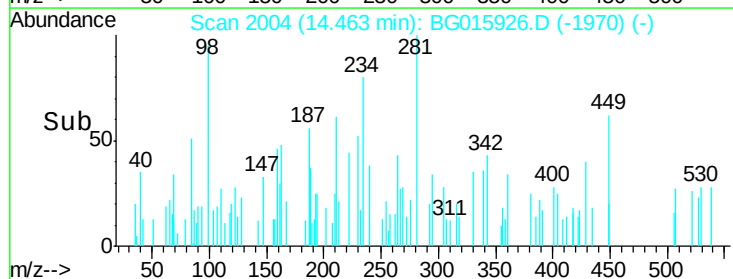
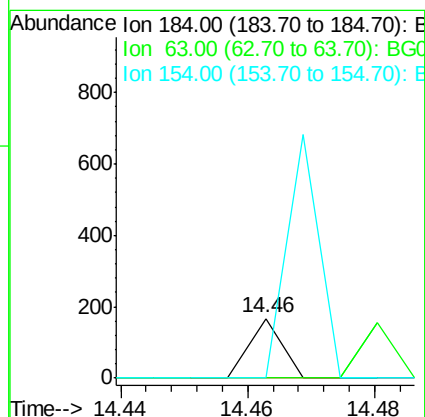
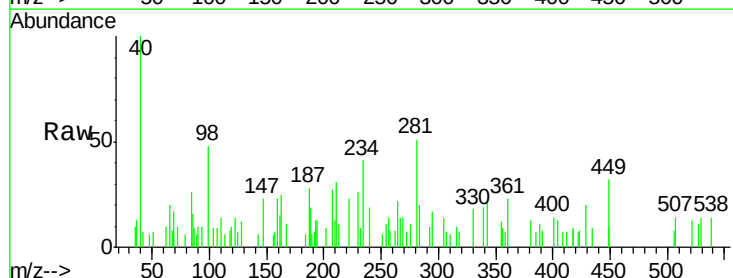
RT: 14.46 min Scan# 2004

Delta R.T. 0.00 min

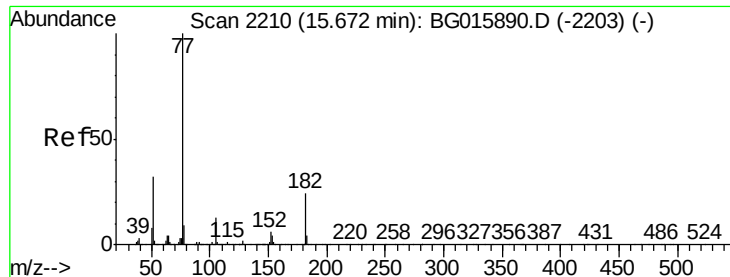
Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 59     |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 63        | 0.0   | 68.6  | 103.0# |
| 154       | 0.0   | 54.9  | 82.3#  |







#62

Azobenzene

Concen: 3.61 ng

RT: 15.70 min Scan# 2214

Delta R.T. 0.02 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

Instrument :

BNA\_G

ClientSampleId :

SB-07-COMP

Tgt Ion: 77 Resp: 114860

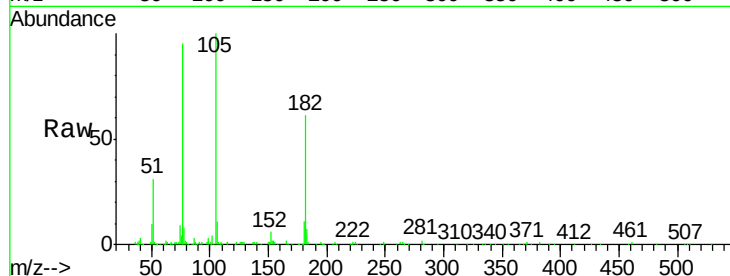
Ion Ratio Lower Upper

77 100

182 64.7 3.6 43.6#

105 105.7 0.0 32.9#

51 32.9 11.8 51.8

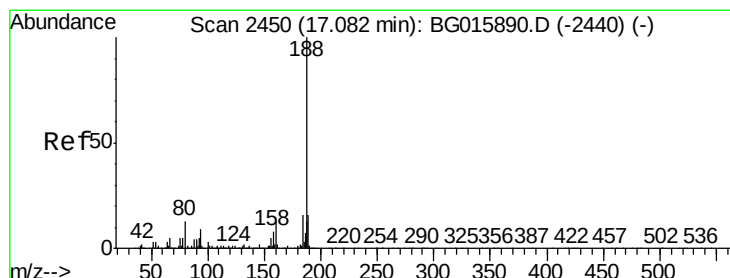
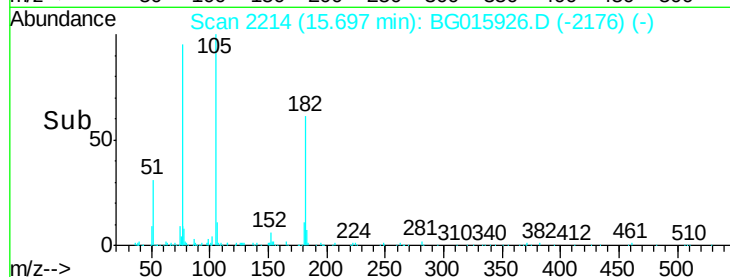
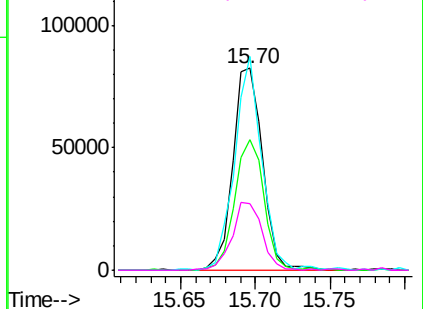


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

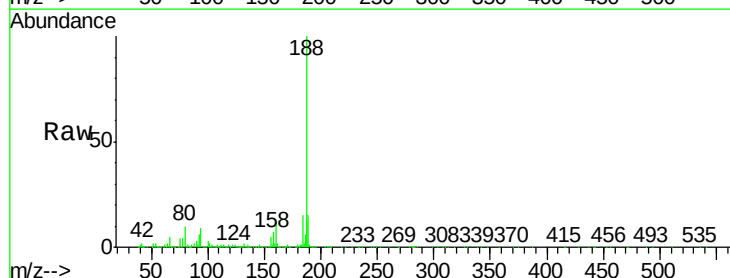
Tgt Ion: 188 Resp: 748601

Ion Ratio Lower Upper

188 100

94 8.7 7.8 11.8

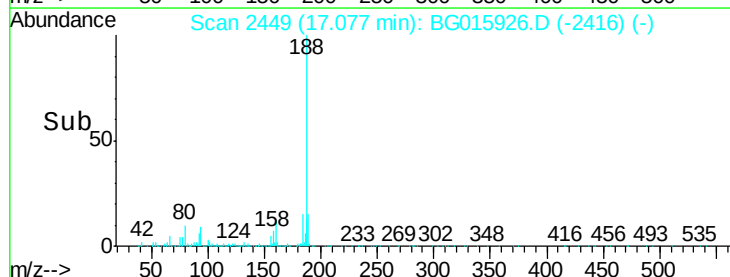
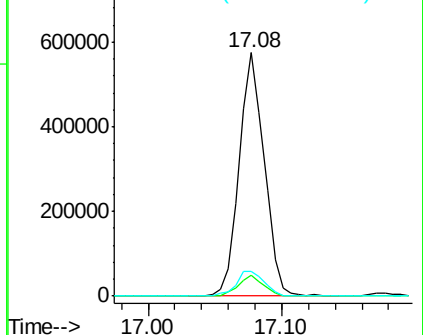
80 10.0 10.6 16.0#

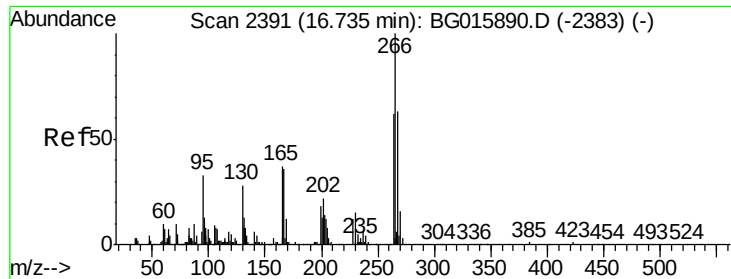


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Pentachlorophenol

Concen: 5.27 ng

RT: 16.71 min Scan# 2387

Delta R.T. -0.02 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

Instrument :

BNA\_G

ClientSampleId :

SB-07-COMP

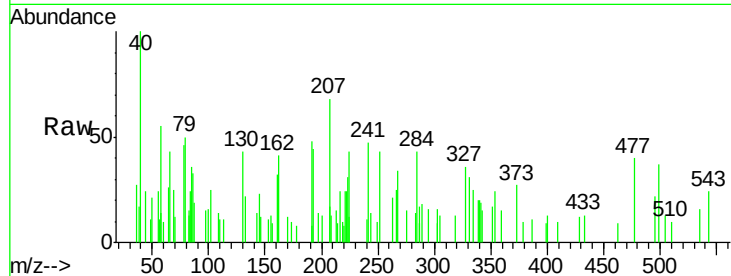
Tgt Ion:266 Resp: 240

Ion Ratio Lower Upper

266 100

268 0.0 53.5 80.3#

264 0.0 51.9 77.9#



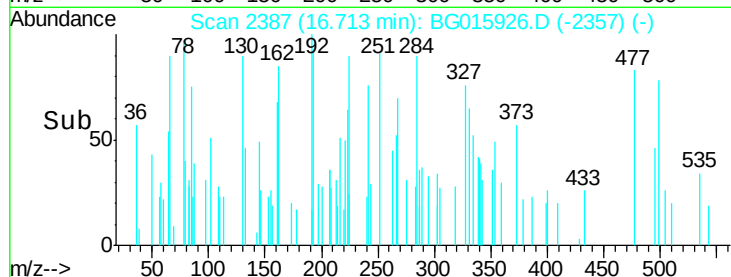
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

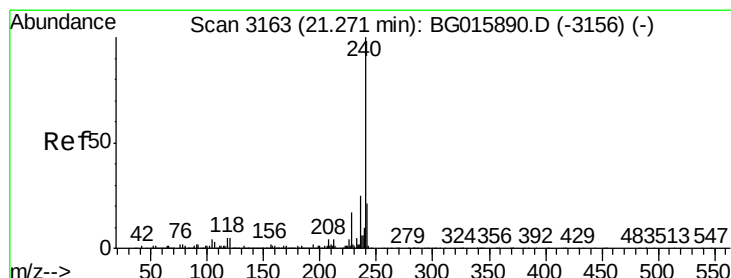
Ion 264.00 (263.70 to 264.70): E

16.71

16.72



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

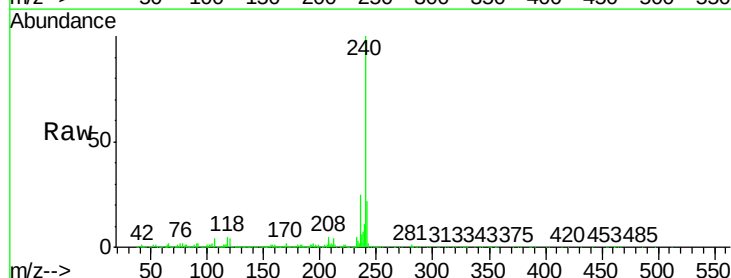
Tgt Ion:240 Resp: 977787

Ion Ratio Lower Upper

240 100

120 4.1 3.9 5.9

236 25.2 20.0 30.0



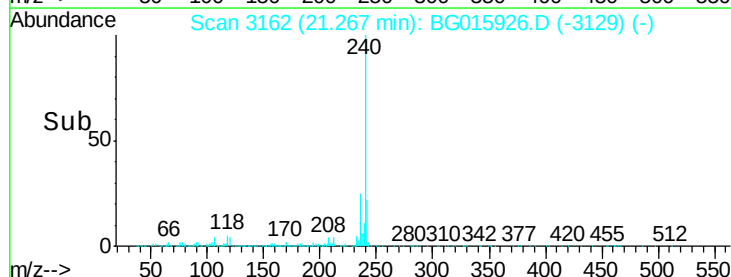
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

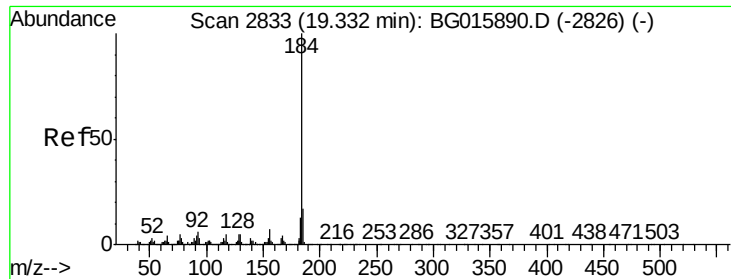
Ion 236.00 (235.70 to 236.70): E

21.27

21.30



Time-->



#76

Benzidine

Concen: 2.00 ng

RT: 19.35 min Scan# 2836

Delta R.T. 0.02 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

Instrument :

BNA\_G

ClientSampleId :

SB-07-COMP

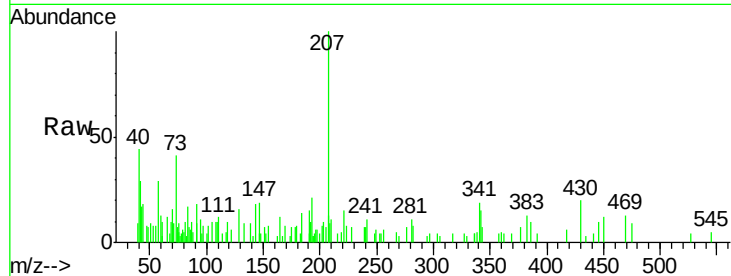
Tgt Ion:184 Resp: 396

Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

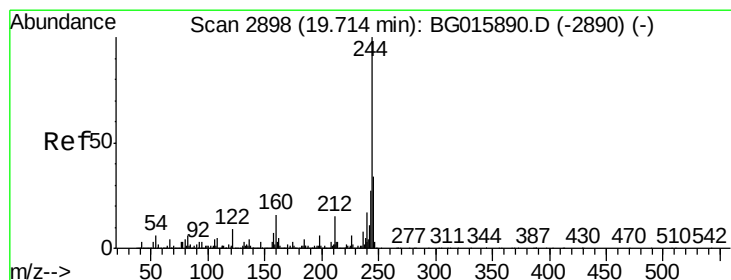
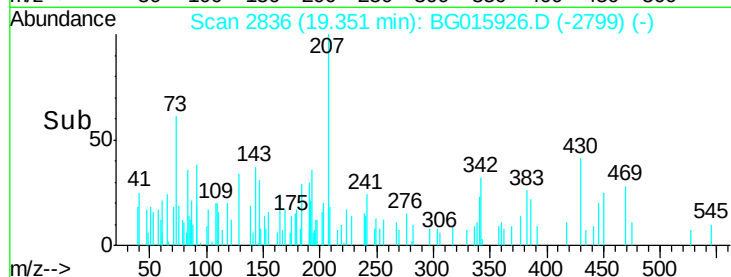
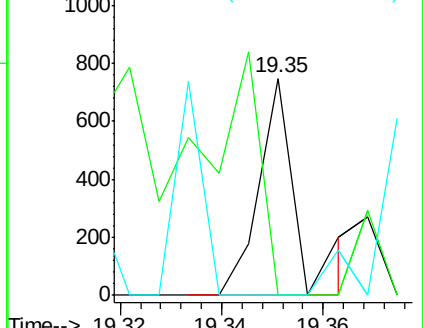
183 0.0 10.1 15.1#



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: 109.08 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG015926.D

Acq: 26 Jan 2015 23:47

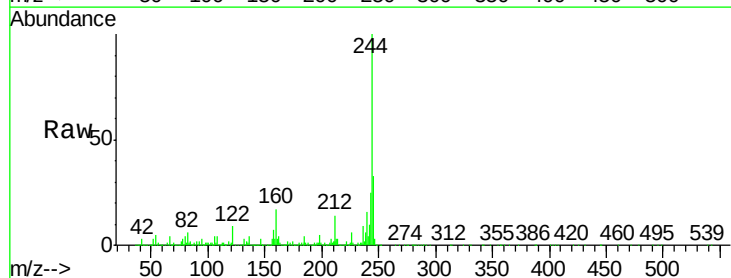
Tgt Ion:244 Resp: 3374240

Ion Ratio Lower Upper

244 100

212 13.7 11.6 17.4

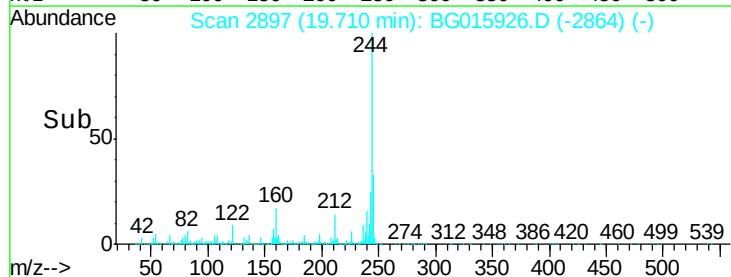
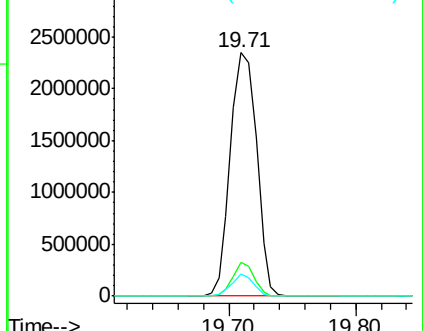
122 9.1 7.0 10.4

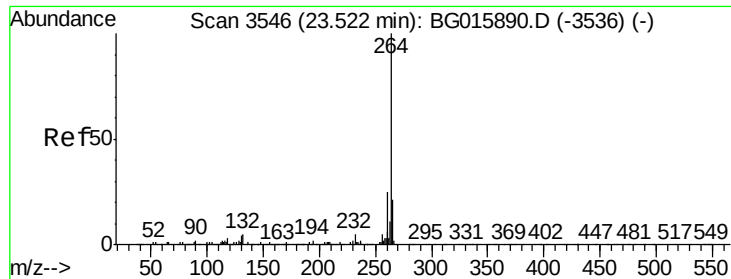


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3545  
Delta R.T. -0.00 min  
Lab File: BG015926.D  
Acq: 26 Jan 2015 23:47

Instrument :  
BNA\_G  
ClientSampleId :  
SB-07-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.7  | 29.5  |
| 265     | 23.2  | 17.3  | 25.9  |

