

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042715\  
 Data File : BG016753.D  
 Acq On : 28 Apr 2015 5:10  
 Operator : TP/IZ  
 Sample : G1991-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-73D

Quant Time: Apr 28 06:40:31 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG042315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 19:19:11 2015  
 Response via : Initial Calibration

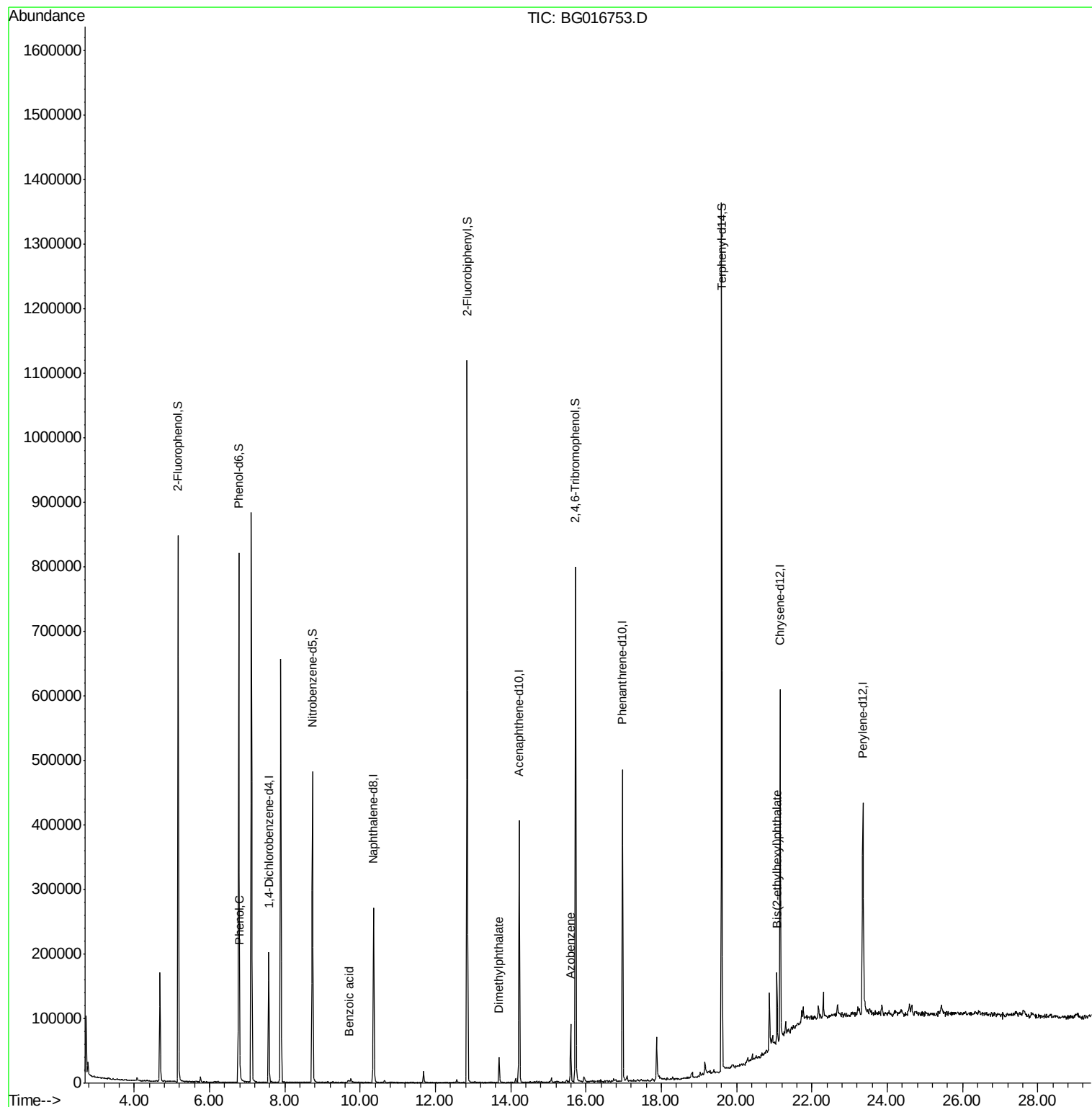
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.57  | 152  | 56680    | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8             | 10.36 | 136  | 234850   | 20.00  | ng    | -0.03     |
| 38) Acenaphthene-d10           | 14.23 | 164  | 133929   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 16.97 | 188  | 261731   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 21.16 | 240  | 226946   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 23.36 | 264  | 220018   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.17  | 112  | 417066   | 119.41 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.78  | 99   | 556400   | 113.55 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 8.73  | 82   | 281974   | 75.87  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol       | 15.73 | 330  | 126853   | 127.68 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 12.84 | 172  | 574916   | 68.97  | ng    | -0.03     |
| 78) Terphenyl-d14              | 19.60 | 244  | 537454   | 54.55  | ng    | -0.03     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.80  | 94   | 16734    | 3.24   | ng    | Qvalue 92 |
| 32) Benzoic acid               | 9.70  | 122  | 2814     | 9.98   | ng    | 91        |
| 49) Dimethylphthalate          | 13.69 | 163  | 27317    | 2.73   | ng    | 98        |
| 62) Azobenzene                 | 15.59 | 77   | 22834    | 2.39   | ng    | # 1       |
| 83) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 42069    | 3.94   | ng    | 96        |

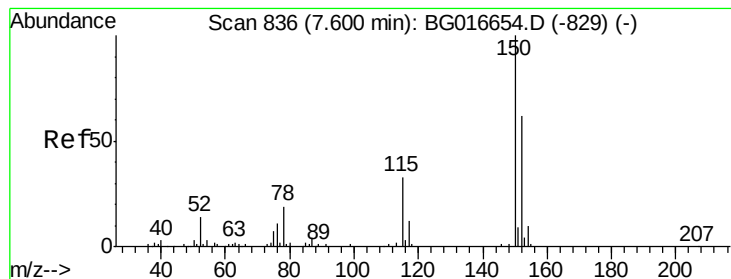
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. -0.03 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

Instrument :

BNA\_G

ClientSampleId :

SB-73D

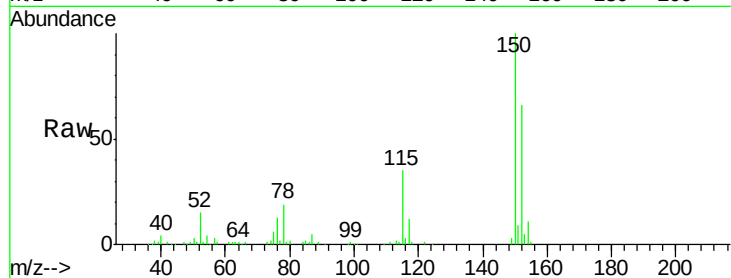
Tgt Ion:152 Resp: 56680

Ion Ratio Lower Upper

152 100

150 151.5 129.6 194.4

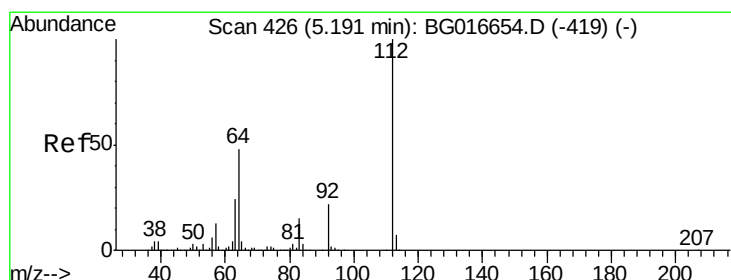
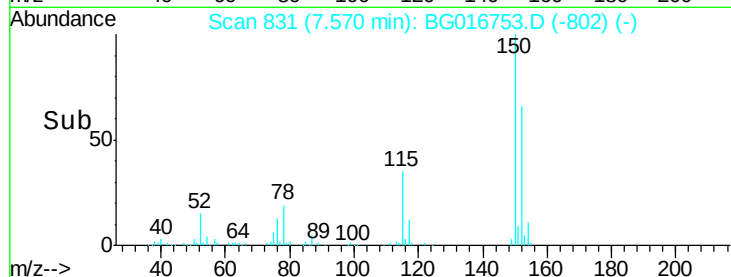
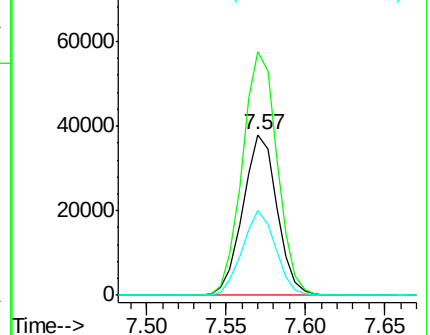
115 52.7 43.0 64.6



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: 119.41 ng

RT: 5.17 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

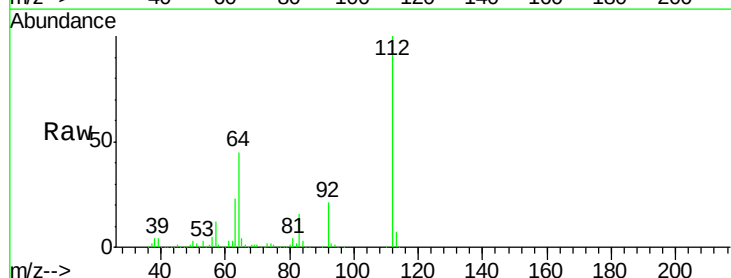
Tgt Ion:112 Resp: 417066

Ion Ratio Lower Upper

112 100

64 45.5 38.3 57.5

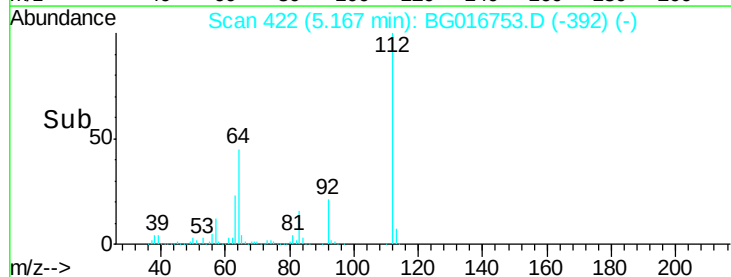
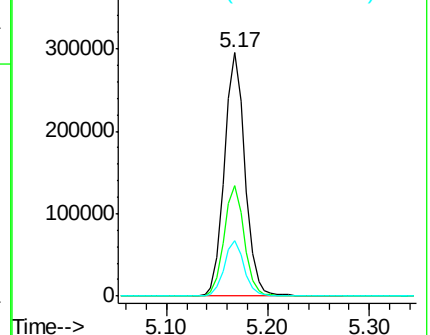
63 22.5 18.9 28.3

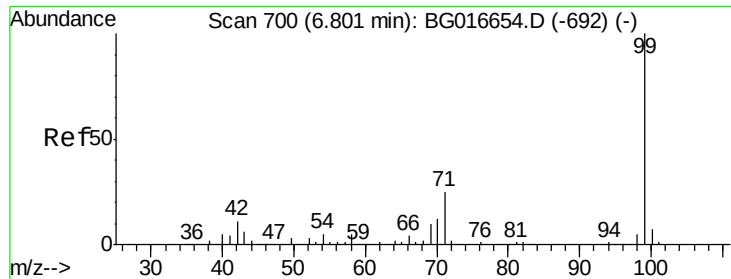


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 113.55 ng

RT: 6.78 min Scan# 696

Delta R.T. -0.02 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

Instrument :

BNA\_G

ClientSampleId :

SB-73D

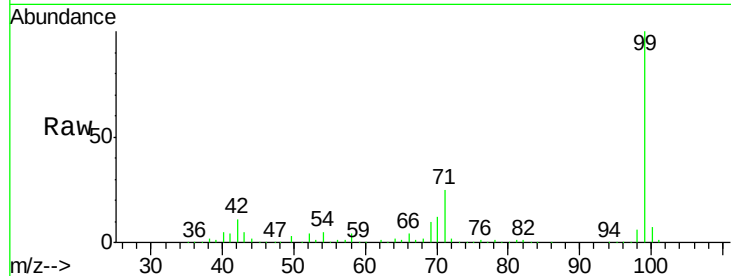
Tgt Ion: 99 Resp: 556400

Ion Ratio Lower Upper

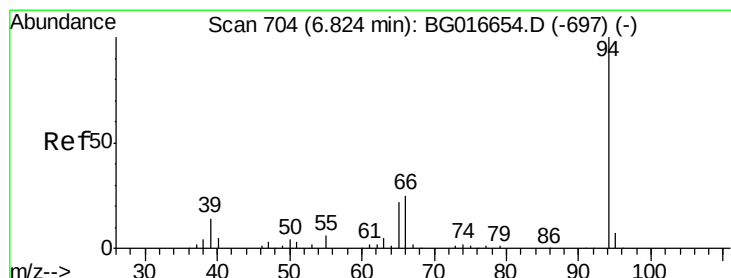
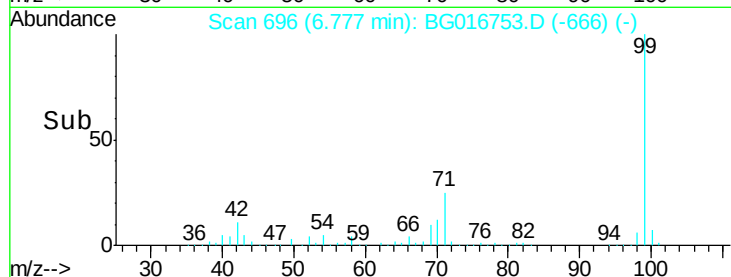
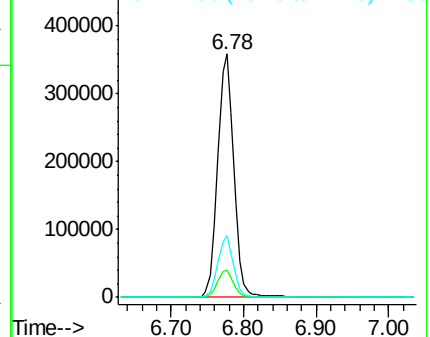
99 100

42 11.1 8.8 13.2

71 25.3 19.9 29.9



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: 3.24 ng

RT: 6.80 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

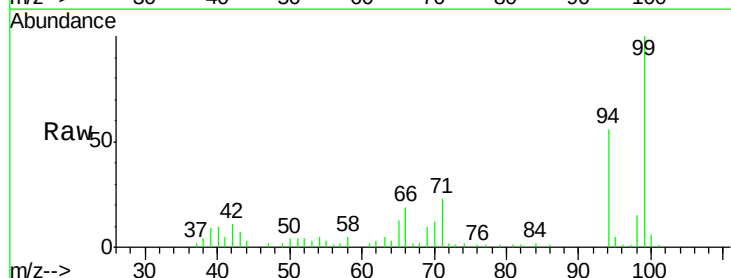
Tgt Ion: 94 Resp: 16734

Ion Ratio Lower Upper

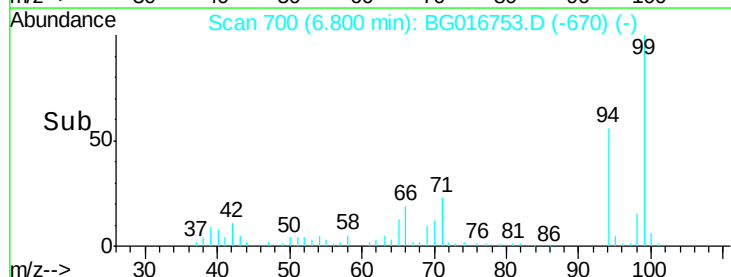
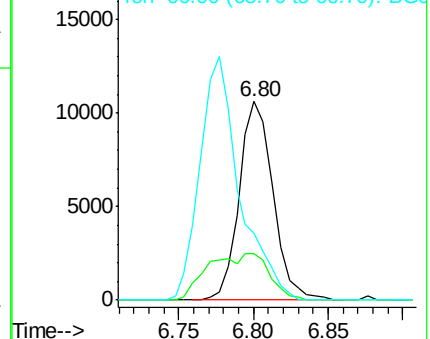
94 100

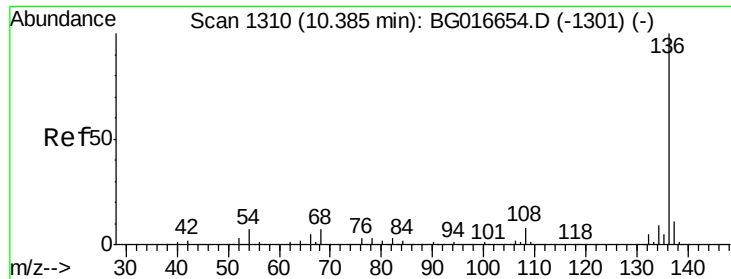
65 23.7 2.6 42.6

66 34.0 7.0 47.0



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

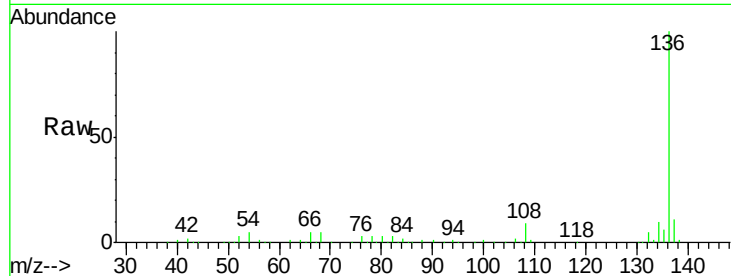




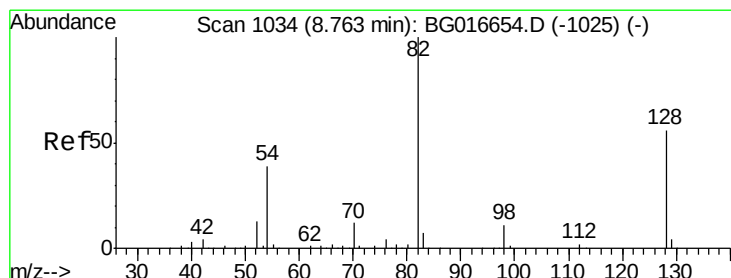
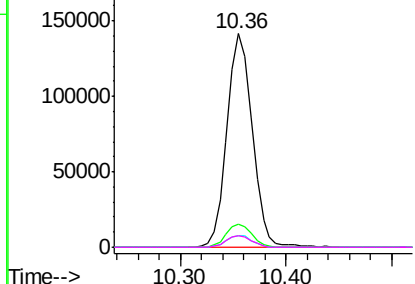
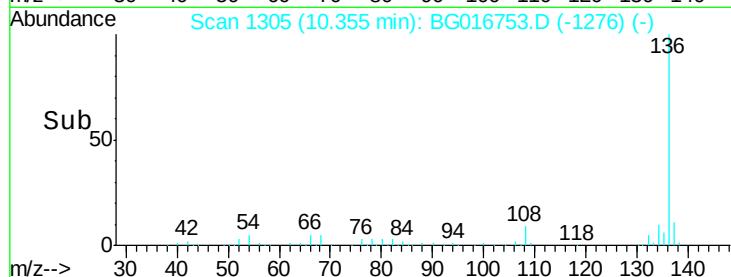
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.36 min Scan# 1305  
Delta R.T. -0.03 min  
Lab File: BG016753.D  
Acq: 28 Apr 2015 5:10

Instrument :  
BNA\_G  
ClientSampled :  
SB-73D

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 234850 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.5   | 12.7   |
| 54       | 5.4   | 5.4   | 8.2    |
| 68       | 5.4   | 5.2   | 7.8    |

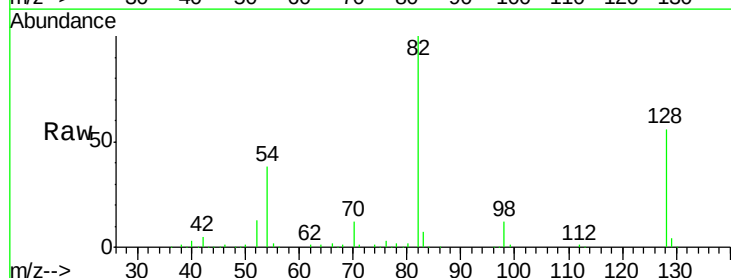


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

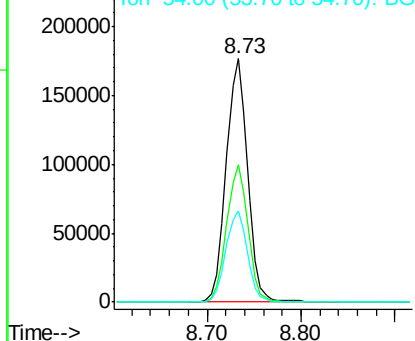
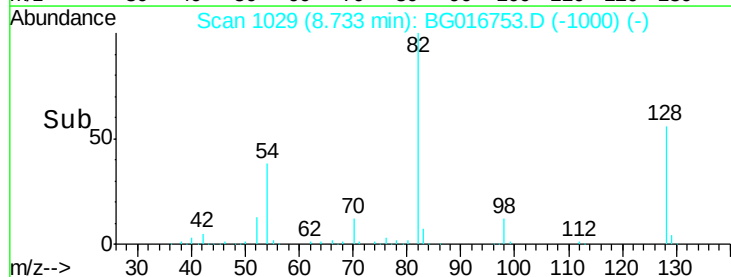


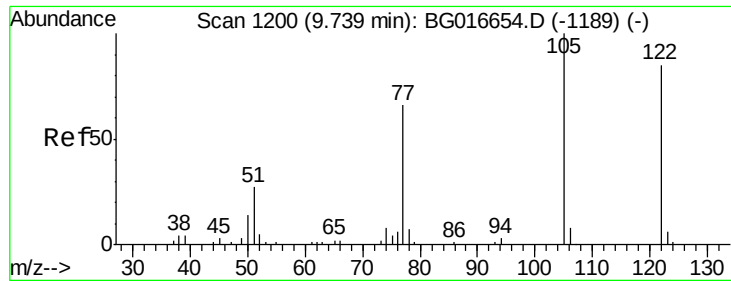
#23  
Nitrobenzene-d5  
Concen: 75.87 ng  
RT: 8.73 min Scan# 1029  
Delta R.T. -0.03 min  
Lab File: BG016753.D  
Acq: 28 Apr 2015 5:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 281974 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 56.3  | 44.7  | 67.1   |
| 54       | 37.5  | 30.9  | 46.3   |



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





#32

Benzoic acid

Concen: 9.98 ng

RT: 9.70 min Scan# 1193

Delta R.T. -0.04 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

Instrument :

BNA\_G

ClientSampleId :

SB-73D

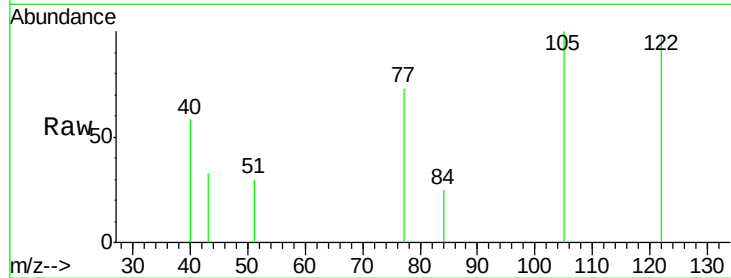
Tgt Ion:122 Resp: 2814

Ion Ratio Lower Upper

122 100

105 102.9 97.2 137.2

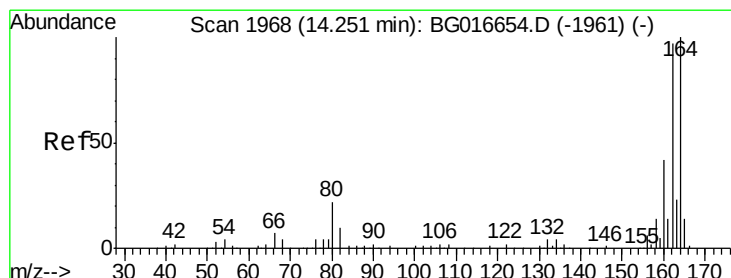
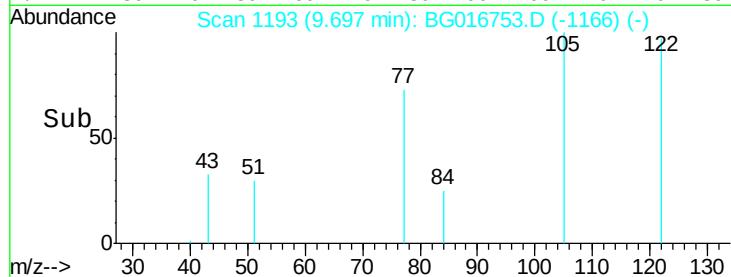
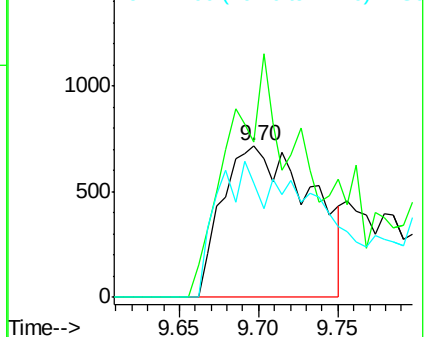
77 75.6 58.4 98.4



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): B



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.23 min Scan# 1964

Delta R.T. -0.02 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

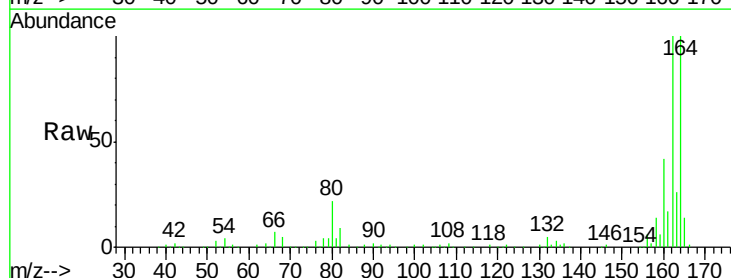
Tgt Ion:164 Resp: 133929

Ion Ratio Lower Upper

164 100

162 99.7 77.3 115.9

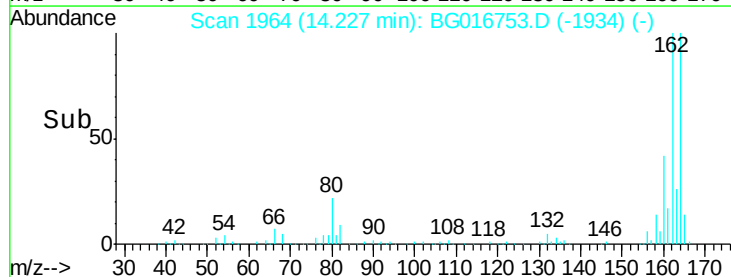
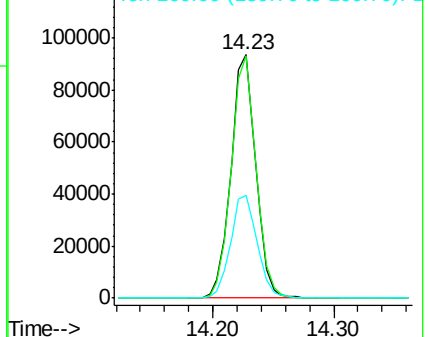
160 42.4 33.7 50.5

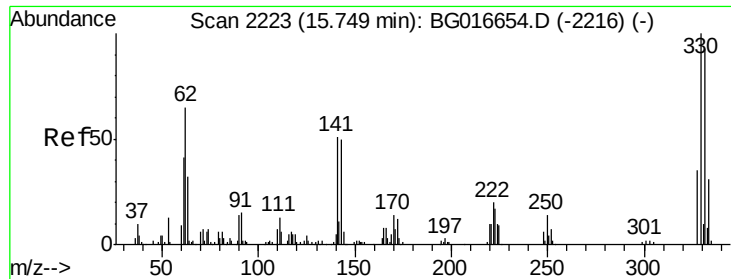


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

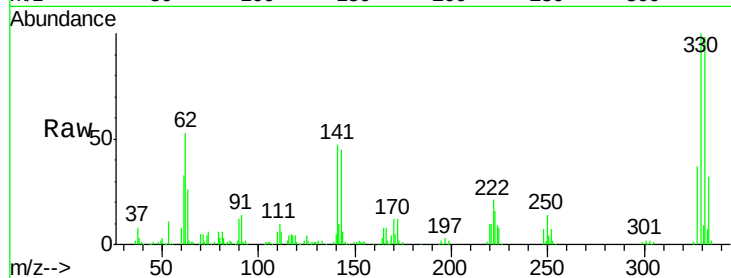




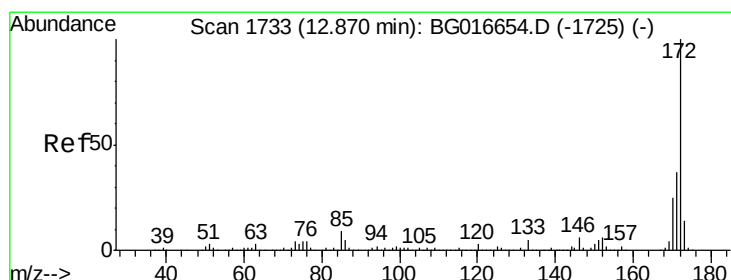
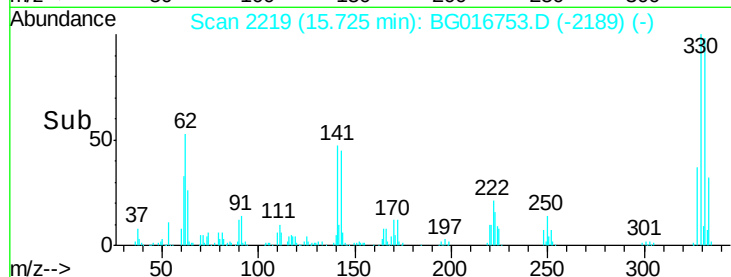
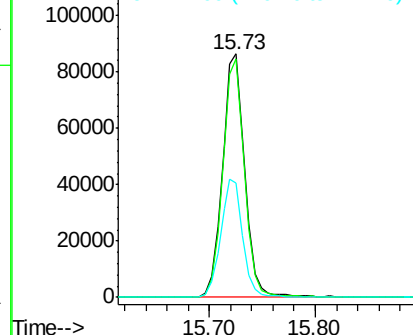
#41  
 2,4,6-Tribromophenol  
 Concen: 127.68 ng  
 RT: 15.73 min Scan# 2219  
 Delta R.T. -0.02 min  
 Lab File: BG016753.D  
 Acq: 28 Apr 2015 5:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-73D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.2  | 114.4 |
| 141     | 48.2  | 43.0  | 64.6  |

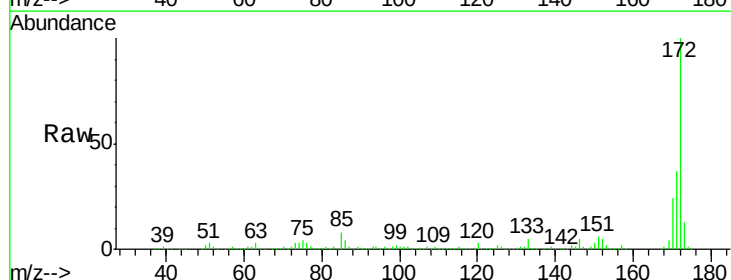


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

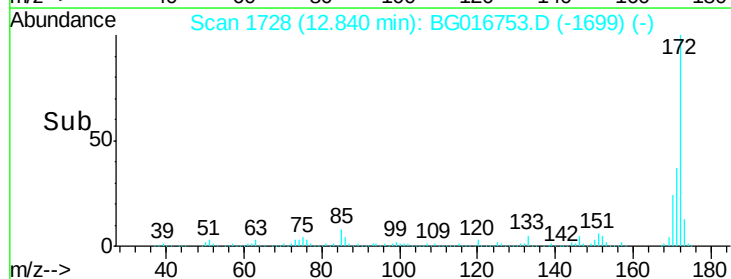
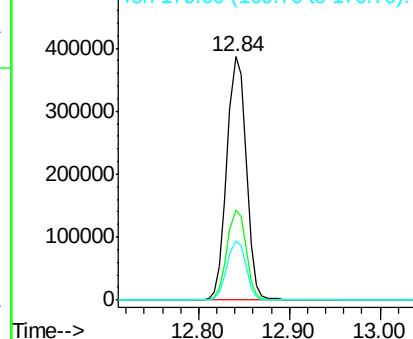


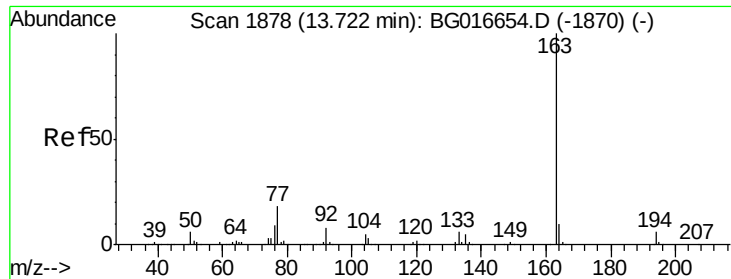
#44  
 2-Fluorobiphenyl  
 Concen: 68.97 ng  
 RT: 12.84 min Scan# 1728  
 Delta R.T. -0.03 min  
 Lab File: BG016753.D  
 Acq: 28 Apr 2015 5:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.9  | 44.9  |
| 170     | 24.1  | 19.8  | 29.8  |



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: 13.69 min Scan# 1872

Delta R.T. -0.04 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

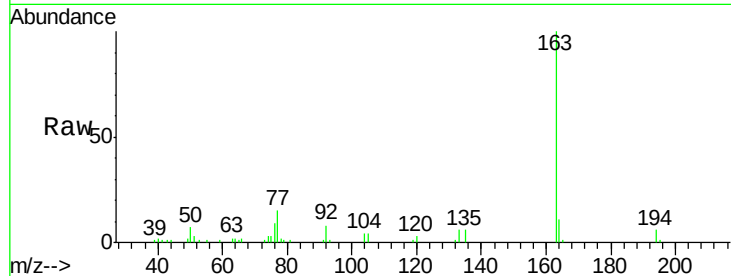
Instrument :

BNA\_G

ClientSampleId :

SB-73D

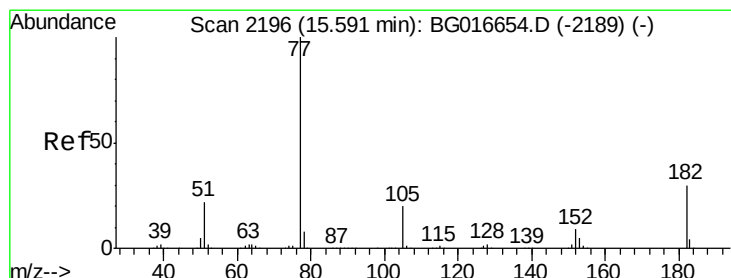
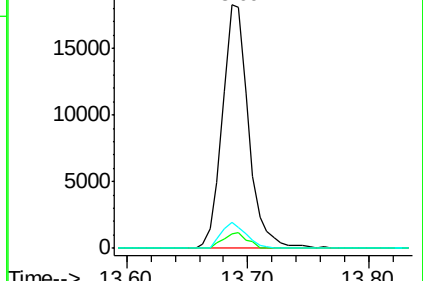
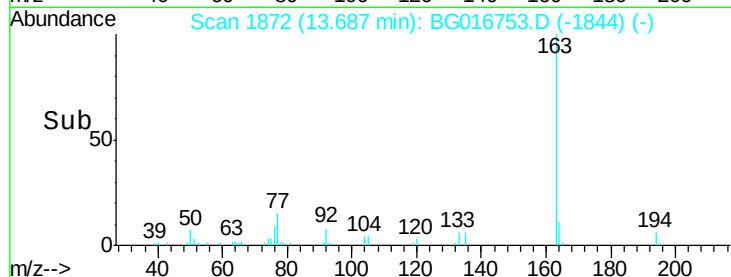
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 27317 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 6.2   | 5.0   | 7.4   |
| 164      | 10.8  | 7.8   | 11.8  |



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



#62

Azobenzene

Concen: 2.39 ng

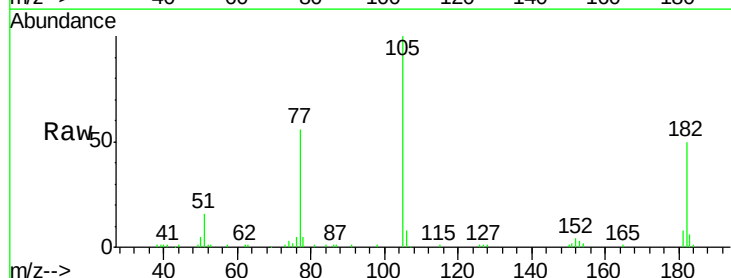
RT: 15.59 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 22834 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 89.8  | 9.8   | 49.8# |
| 105      | 178.5 | 0.0   | 39.5# |
| 51       | 29.3  | 1.9   | 41.9  |

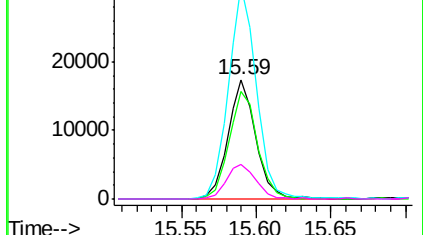
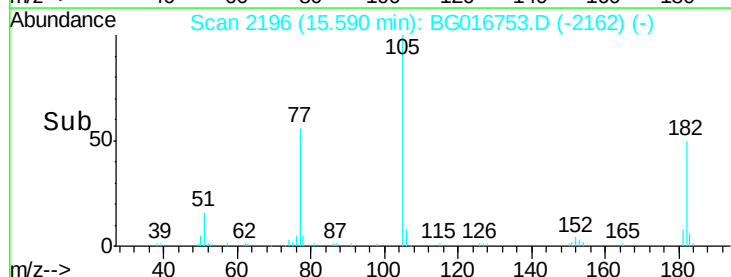


Abundance Ion 77.00 (76.70 to 77.70): BGC

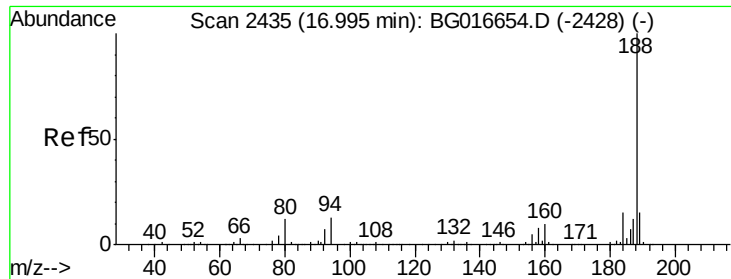
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC



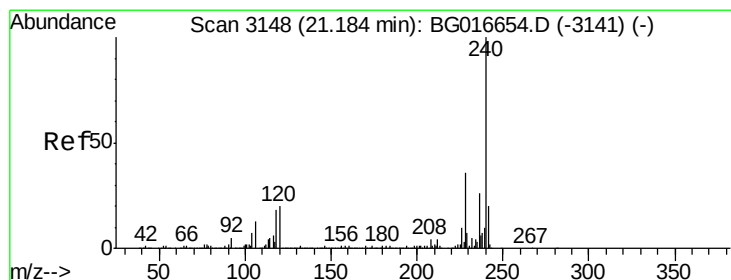
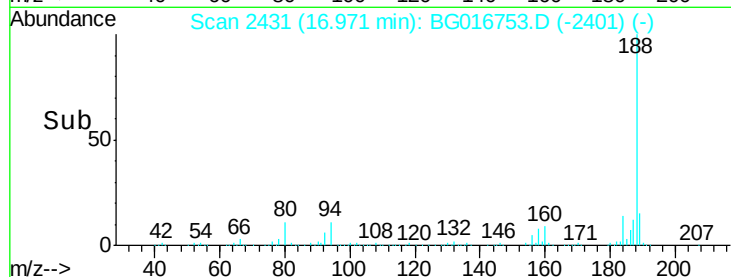
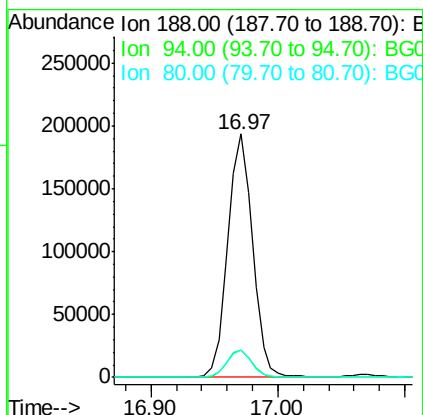
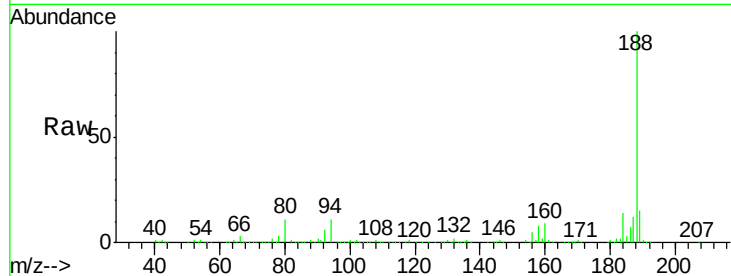




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.97 min Scan# 2431  
Delta R.T. -0.02 min  
Lab File: BG016753.D  
Acq: 28 Apr 2015 5:10

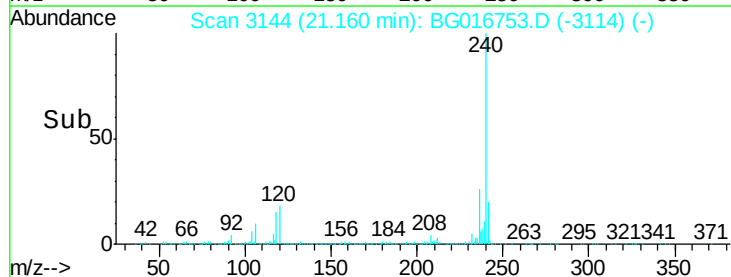
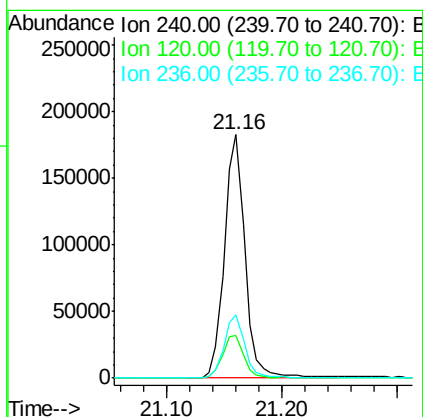
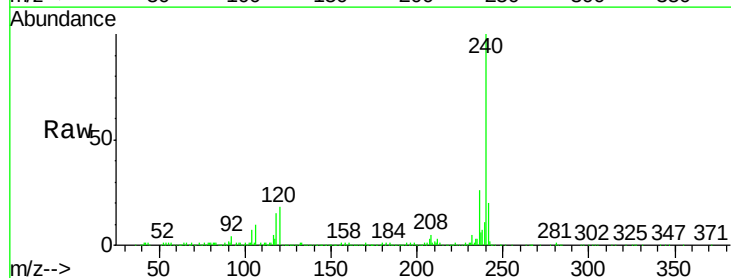
Instrument :  
BNA\_G  
ClientSampled :  
SB-73D

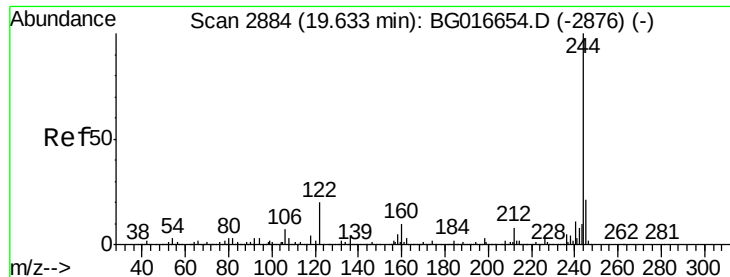
Tgt Ion:188 Resp: 261731  
Ion Ratio Lower Upper  
188 100  
94 11.3 10.7 16.1  
80 11.3 9.9 14.9



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.16 min Scan# 3144  
Delta R.T. -0.02 min  
Lab File: BG016753.D  
Acq: 28 Apr 2015 5:10

Tgt Ion:240 Resp: 226946  
Ion Ratio Lower Upper  
240 100  
120 17.6 16.3 24.5  
236 26.1 21.1 31.7





#78

Terphenyl-d14

Concen: 54.55 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.03 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

Instrument :

BNA\_G

ClientSampled :

SB-73D

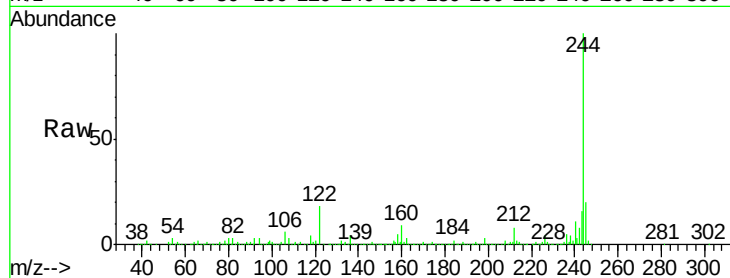
Tgt Ion:244 Resp: 537454

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

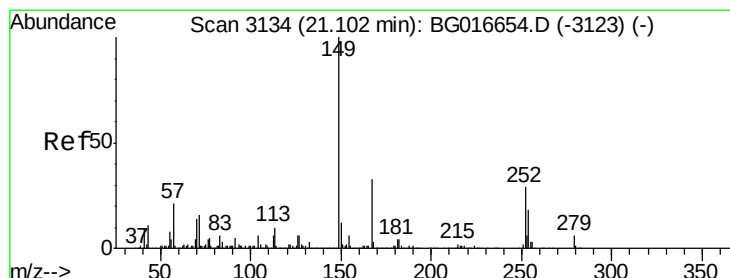
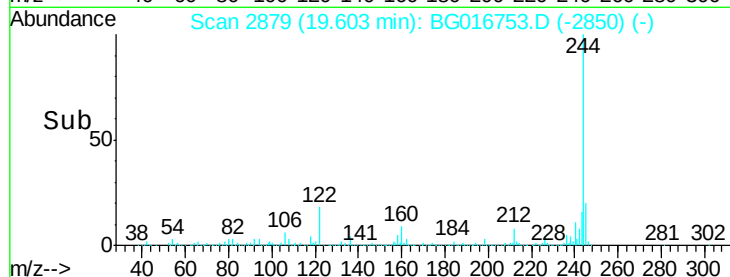
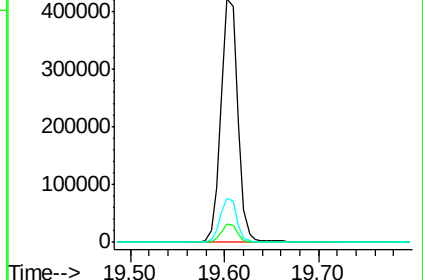
122 18.2 15.9 23.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.94 ng

RT: 21.07 min Scan# 3129

Delta R.T. -0.03 min

Lab File: BG016753.D

Acq: 28 Apr 2015 5:10

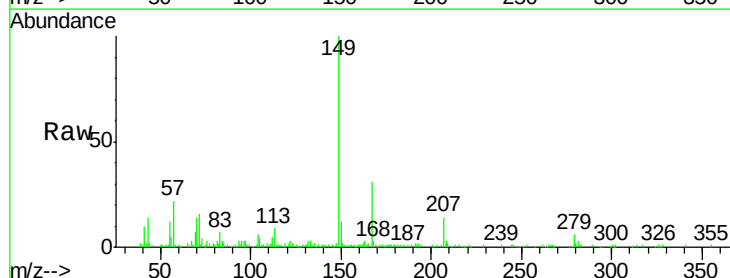
Tgt Ion:149 Resp: 42069

Ion Ratio Lower Upper

149 100

167 30.7 26.6 39.8

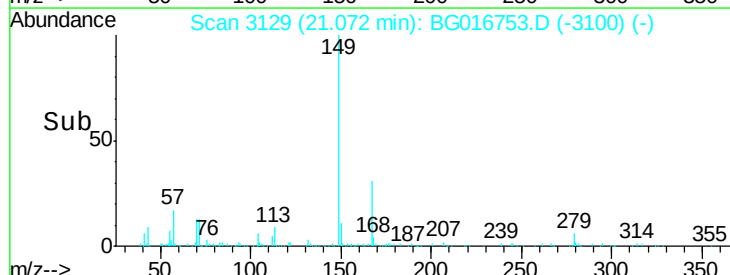
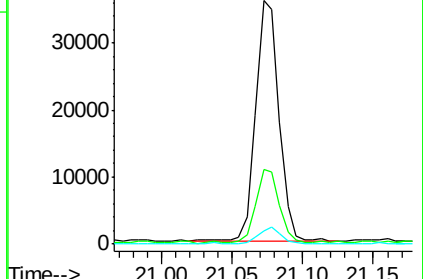
279 5.5 5.1 7.7

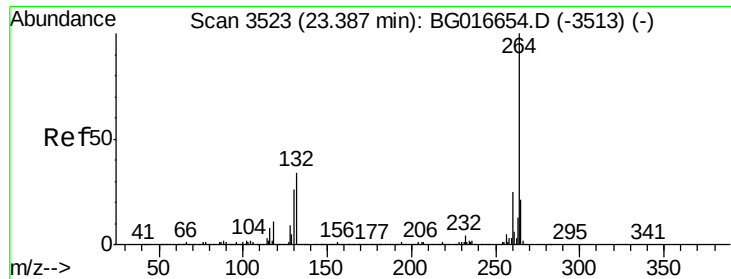


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

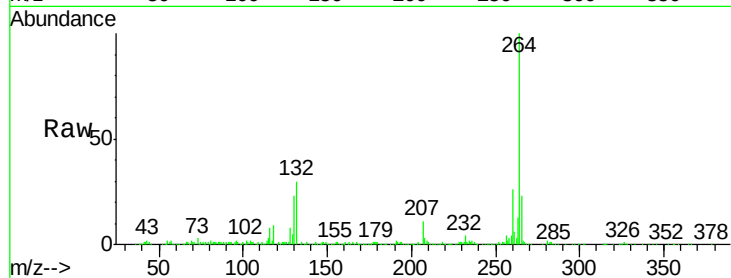




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.36 min Scan# 3518  
Delta R.T. -0.03 min  
Lab File: BG016753.D  
Acq: 28 Apr 2015 5:10

Instrument :  
BNA\_G  
ClientSampleId :  
SB-73D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 20.0  | 30.0  |
| 265     | 22.6  | 16.8  | 25.2  |



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

