

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042315\  
 Data File : BG016662.D  
 Acq On : 23 Apr 2015 20:53  
 Operator : TP/IZ  
 Sample : PB82956BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82956BL

Quant Time: Apr 24 02:24:59 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 | 7.60  | 152  | 53461    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.38 | 136  | 215041   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.25 | 164  | 120594   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.99 | 188  | 281375   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.18 | 240  | 284770   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 258478   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.19  | 112 | 350001 | 106.24 | ng | 0.00 |
| 7) Phenol-d6             | 6.79  | 99  | 456618 | 98.80  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.76  | 82  | 222043 | 65.25  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.74 | 330 | 94474  | 105.60 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.87 | 172 | 515218 | 68.64  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.63 | 244 | 775652 | 62.74  | ng | 0.00 |

## Target Compounds

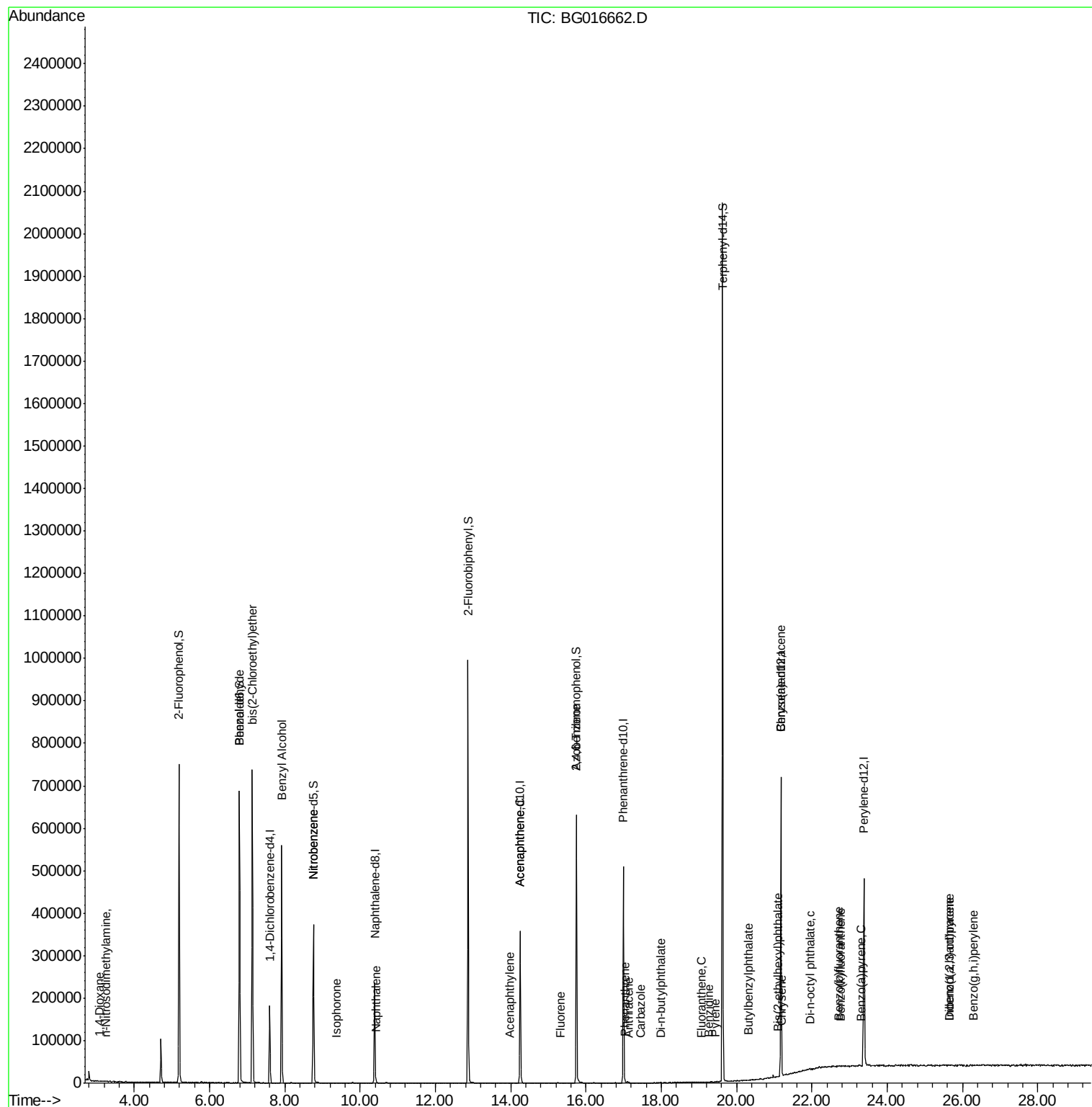
|                                |       |     |      |      |    | Qvalue |
|--------------------------------|-------|-----|------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.06  | 88  | 117  | 0.08 | ng | # 1    |
| 4) n-Nitrosodimethylamine      | 3.26  | 42  | 56   | 0.05 | ng | # 1    |
| 9) Benzaldehyde                | 6.79  | 77  | 502  | 0.27 | ng | # 1    |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 402  | 0.11 | ng | # 1    |
| 15) Benzyl Alcohol             | 7.91  | 79  | 3409 | 1.18 | ng | # 41   |
| 24) Nitrobenzene               | 8.75  | 77  | 572  | 0.16 | ng | # 23   |
| 25) Isophorone                 | 9.37  | 82  | 53   | 0.01 | ng | # 59   |
| 31) Naphthalene                | 10.42 | 128 | 64   | 0.01 | ng | # 68   |
| 48) Acenaphthylene             | 13.98 | 152 | 121  | 0.01 | ng | # 60   |
| 51) Acenaphthene               | 14.25 | 154 | 379  | 0.05 | ng | # 6    |
| 57) Fluorene                   | 15.30 | 166 | 55   | 0.01 | ng | # 10   |
| 62) Azobenzene                 | 15.74 | 77  | 643  | 0.07 | ng | # 1    |
| 70) Phenanthrene               | 17.04 | 178 | 340  | 0.02 | ng | # 59   |
| 71) Anthracene                 | 17.14 | 178 | 185  | 0.01 | ng | # 59   |
| 72) Carbazole                  | 17.44 | 167 | 56   | 0.00 | ng | # 58   |
| 73) Di-n-butylphthalate        | 17.98 | 149 | 269  | 0.01 | ng | # 78   |
| 74) Fluoranthene               | 19.07 | 202 | 311  | 0.02 | ng | # 59   |
| 76) Benzidine                  | 19.27 | 184 | 330  | 0.03 | ng | # 65   |
| 77) Pyrene                     | 19.43 | 202 | 332  | 0.02 | ng | # 56   |
| 79) Butylbenzylphthalate       | 20.31 | 149 | 248  | 0.03 | ng | # 51   |
| 80) Benzo(a)anthracene         | 21.18 | 228 | 1078 | 0.06 | ng | # 55   |
| 82) Chrysene                   | 21.21 | 228 | 302  | 0.02 | ng | # 48   |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 551  | 0.04 | ng | # 48   |
| 84) Di-n-octyl phthalate       | 21.95 | 149 | 652  | 0.03 | ng | # 1    |
| 85) Indeno(1,2,3-cd)pyrene     | 25.65 | 276 | 384  | 0.02 | ng | # 36   |
| 87) Benzo(b)fluoranthene       | 22.72 | 252 | 698  | 0.04 | ng | # 62   |
| 88) Benzo(k)fluoranthene       | 22.76 | 252 | 481  | 0.03 | ng | # 23   |
| 89) Benzo(a)pyrene             | 23.29 | 252 | 512  | 0.03 | ng | # 43   |
| 90) Dibenzo(a,h)anthracene     | 25.65 | 278 | 56   | 0.00 | ng | # 48   |
| 91) Benzo(g,h,i)perylene       | 26.30 | 276 | 125  | 0.01 | ng | # 41   |

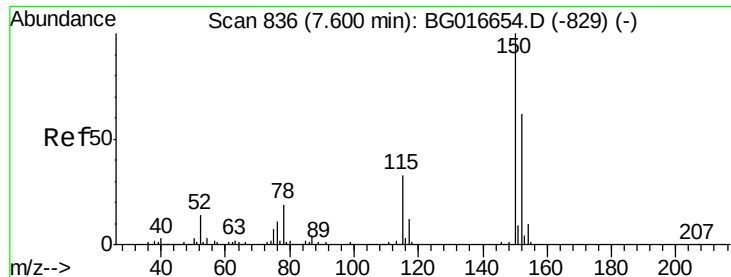
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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BNA\_G  
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QLast Update : Thu Apr 23 19:19:11 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.60 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

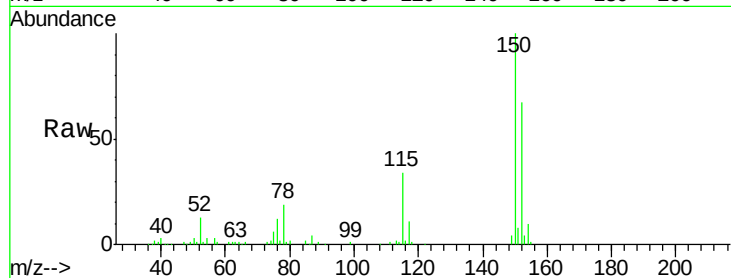
Tgt Ion:152 Resp: 53461

Ion Ratio Lower Upper

152 100

150 150.1 129.6 194.4

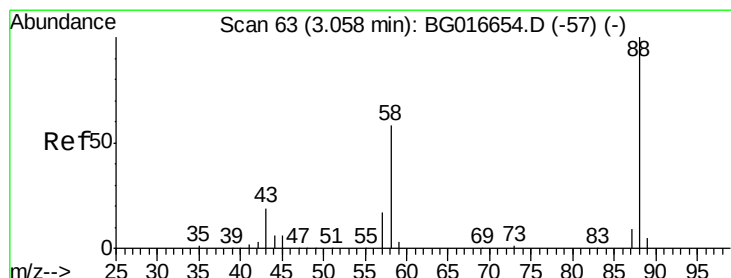
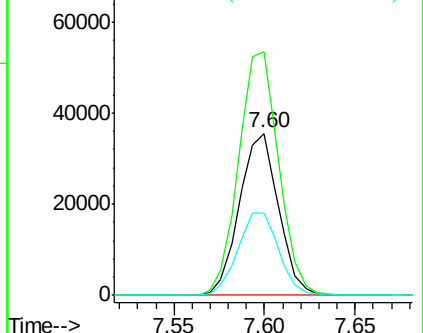
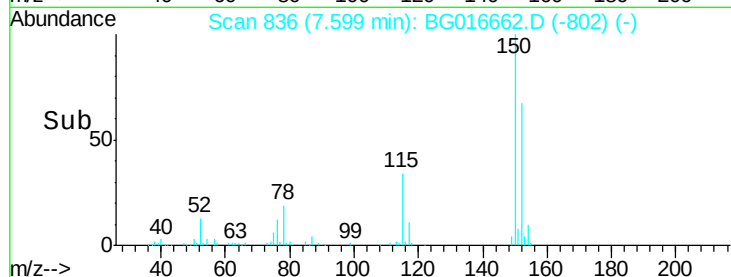
115 51.1 43.0 64.6



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



#2

1,4-Dioxane

Concen: 0.08 ng

RT: 3.06 min Scan# 64

Delta R.T. 0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

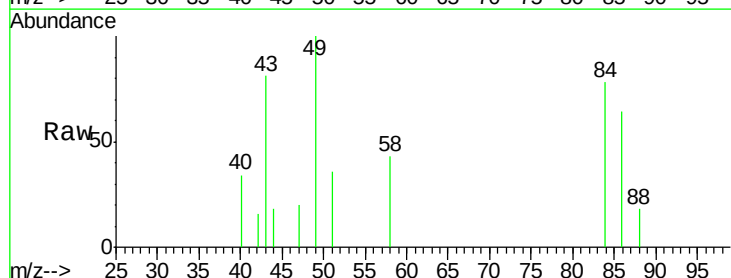
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

58 162.4 46.8 70.2#

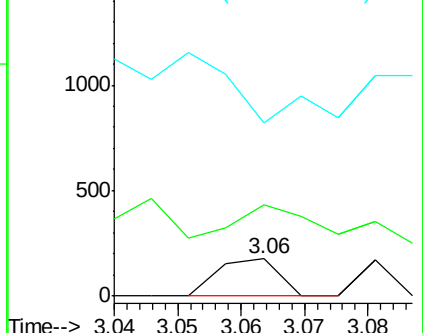
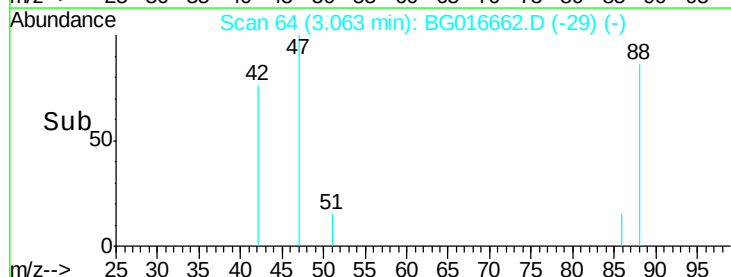
43 0.0 15.8 23.8#

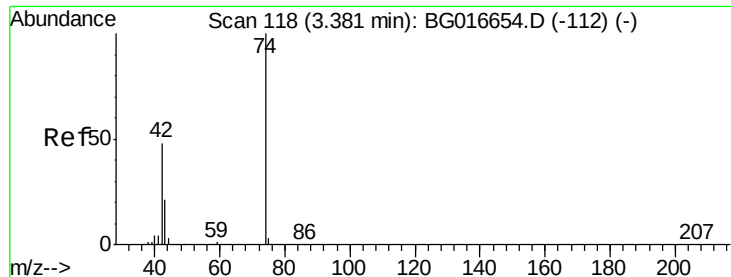


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.26 min Scan# 97

Delta R.T. -0.12 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

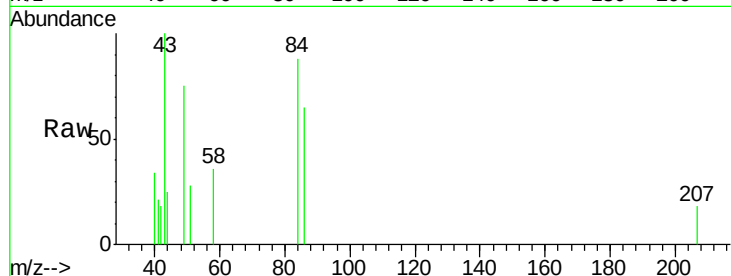
Tgt Ion: 42 Resp: 56

Ion Ratio Lower Upper

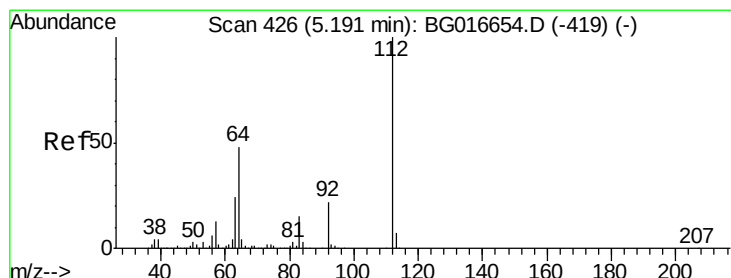
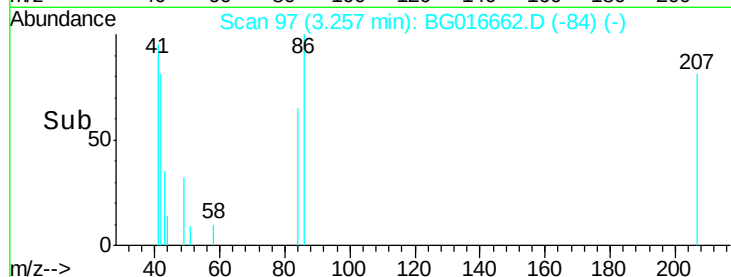
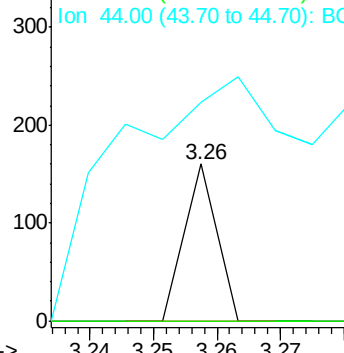
42 100

74 0.0 165.6 248.4#

44 140.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 106.24 ng

RT: 5.19 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

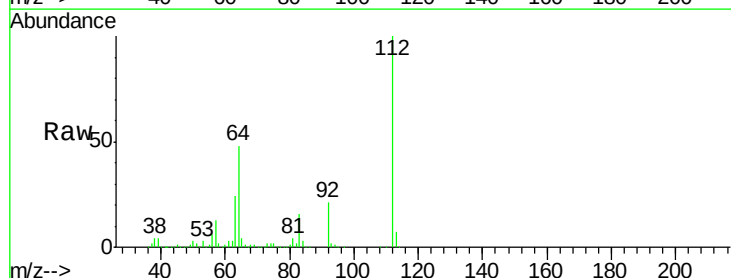
Tgt Ion: 112 Resp: 350001

Ion Ratio Lower Upper

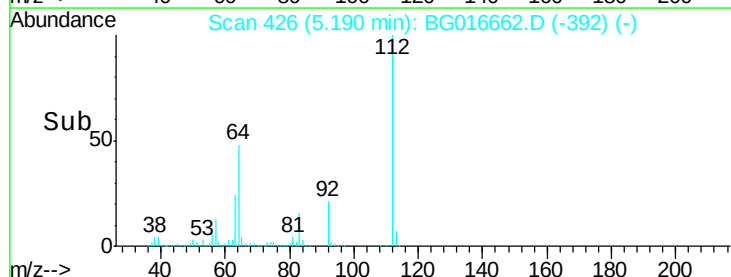
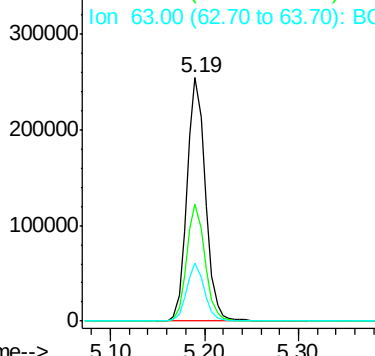
112 100

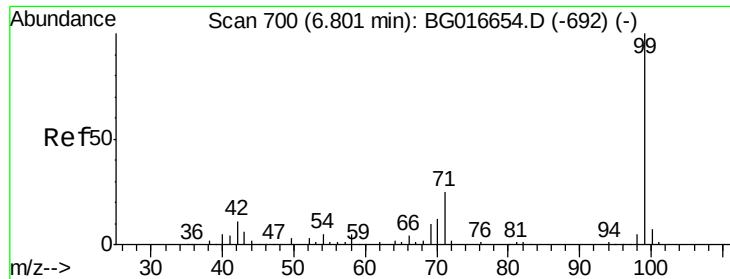
64 47.8 38.3 57.5

63 23.6 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.80 ng

RT: 6.79 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

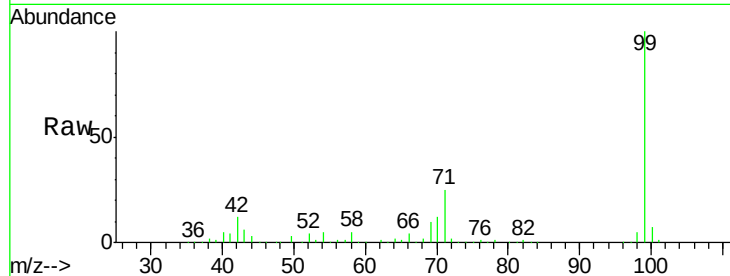
Tgt Ion: 99 Resp: 456618

Ion Ratio Lower Upper

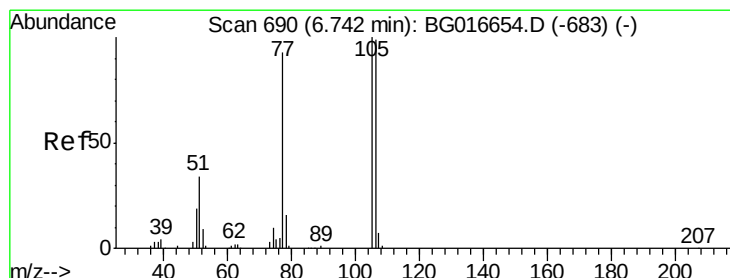
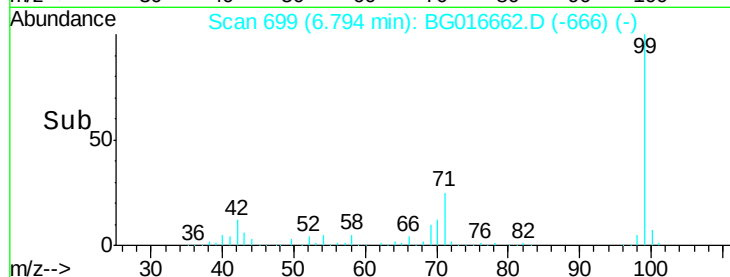
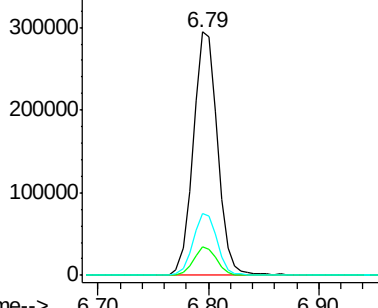
99 100

42 11.9 8.8 13.2

71 25.2 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



#9

Benzaldehyde

Concen: 0.27 ng

RT: 6.79 min Scan# 699

Delta R.T. 0.05 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

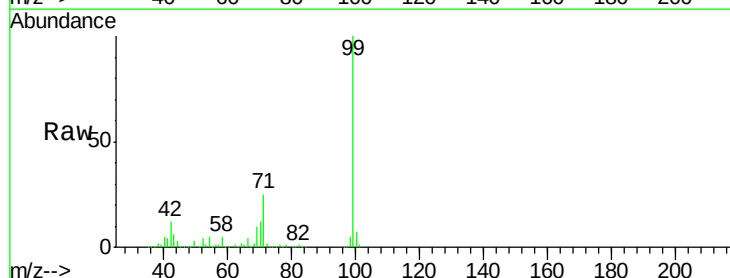
Tgt Ion: 77 Resp: 502

Ion Ratio Lower Upper

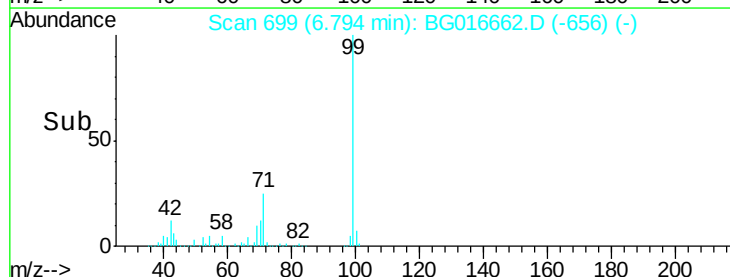
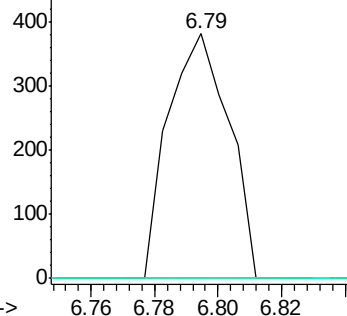
77 100

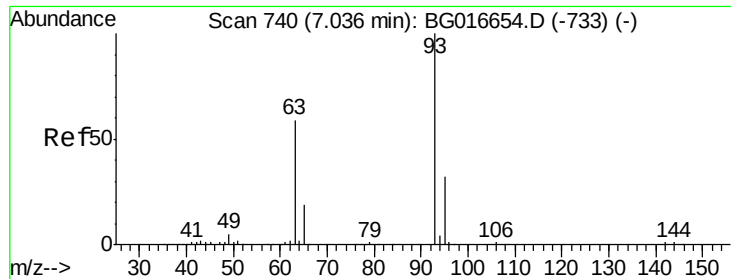
105 0.0 88.0 128.0#

106 0.0 86.6 126.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC

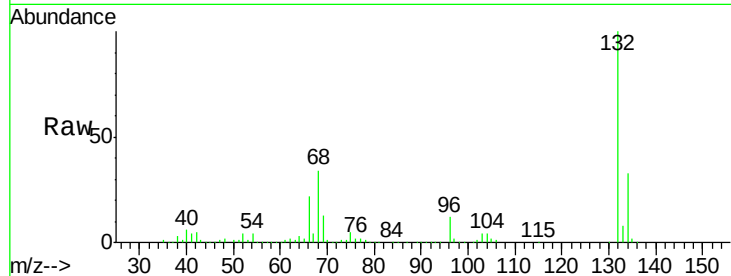




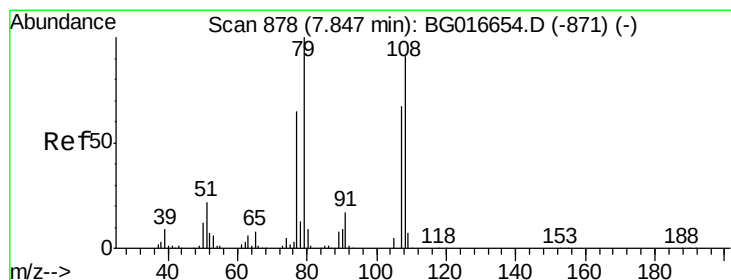
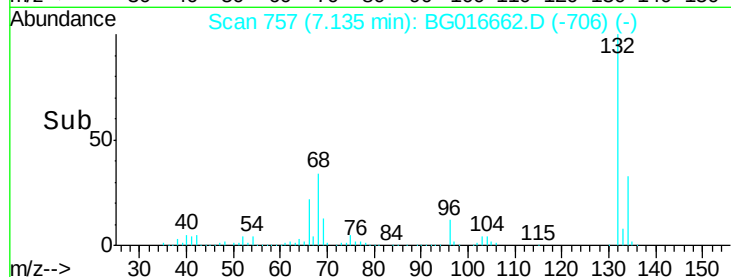
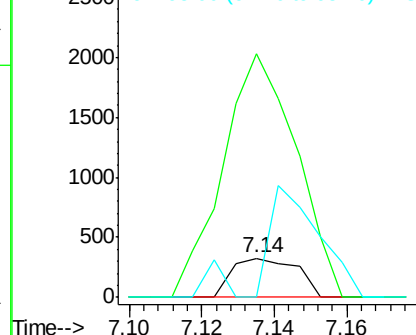
#11  
bis(2-Chloroethyl)ether  
Concen: 0.11 ng  
RT: 7.14 min Scan# 757  
Delta R.T. 0.10 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Instrument :  
BNA\_G  
ClientSampled :  
PB82956BL

Tgt Ion: 93 Resp: 402  
Ion Ratio Lower Upper  
93 100  
63 622.7 39.2 79.2#  
95 0.0 11.9 51.9#

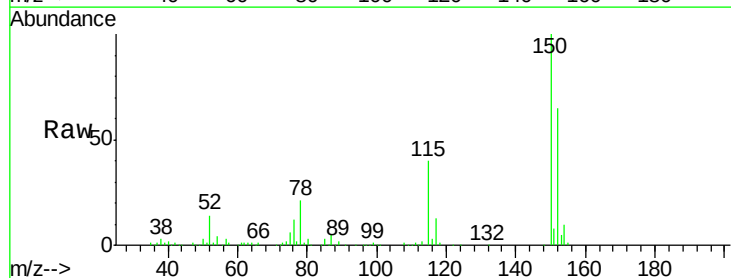


Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC

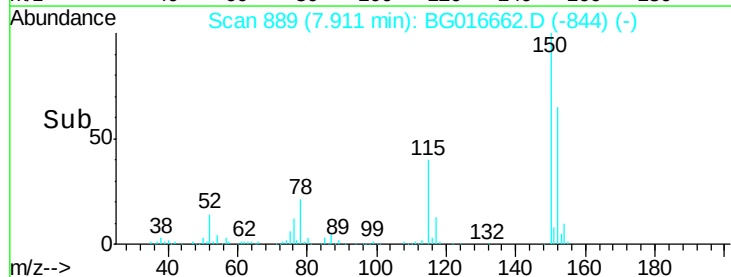
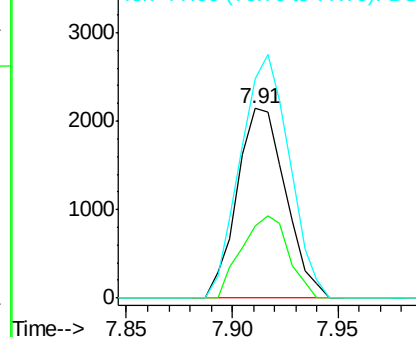


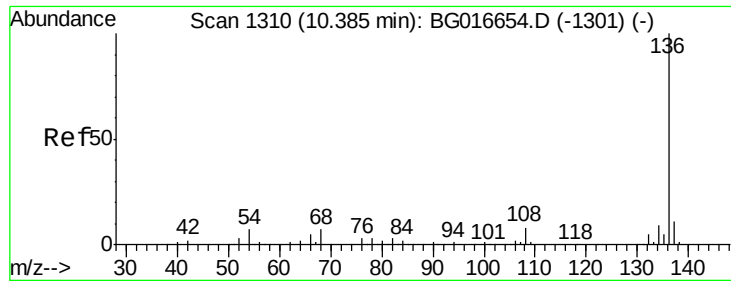
#15  
Benzyl Alcohol  
Concen: 1.18 ng  
RT: 7.91 min Scan# 889  
Delta R.T. 0.06 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Tgt Ion: 79 Resp: 3409  
Ion Ratio Lower Upper  
79 100  
108 38.3 73.0 109.4#  
77 115.6 51.8 77.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

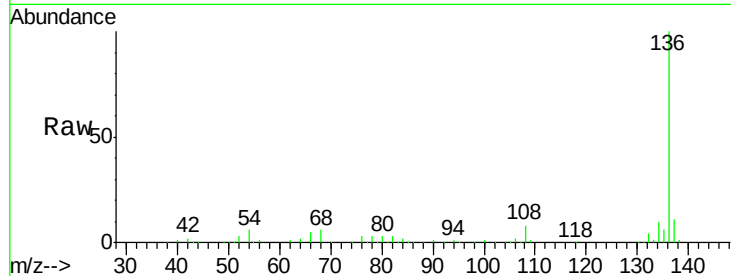




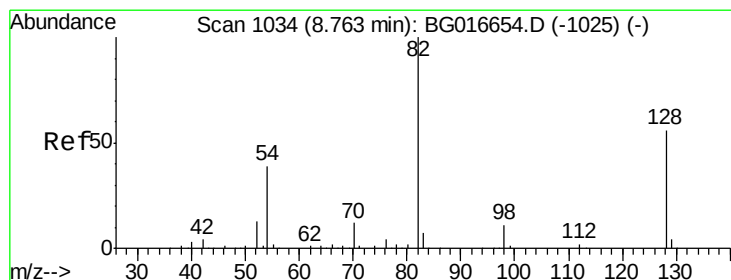
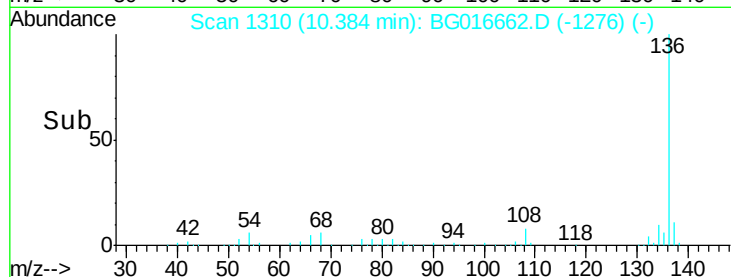
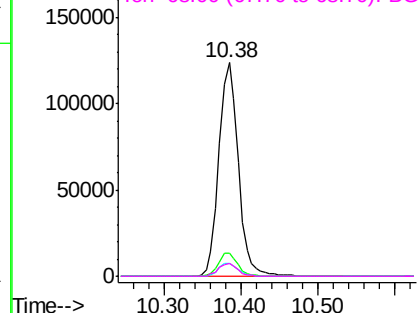
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.38 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB82956BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 215041 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.5   | 12.7   |
| 54       | 6.2   | 5.4   | 8.2    |
| 68       | 6.0   | 5.2   | 7.8    |

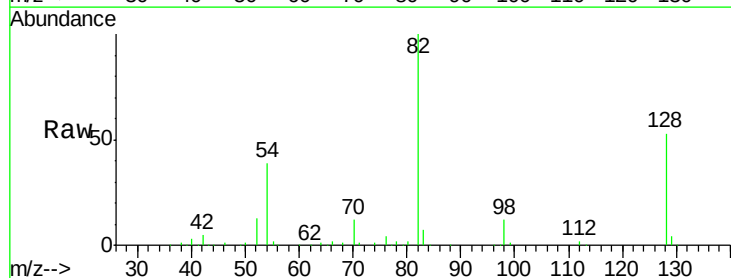


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

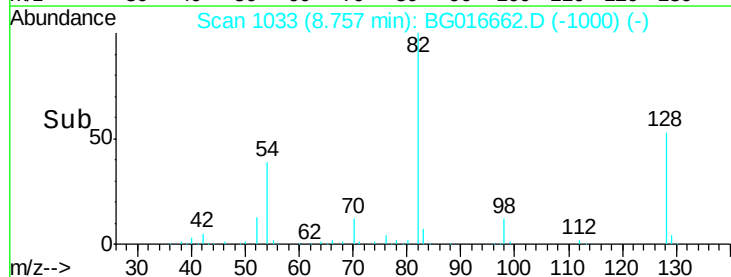
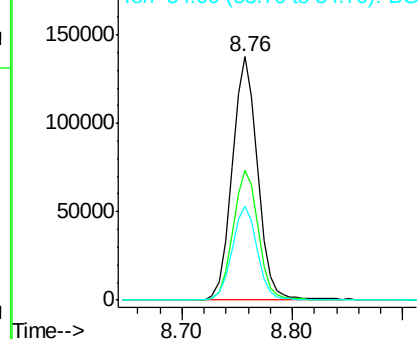


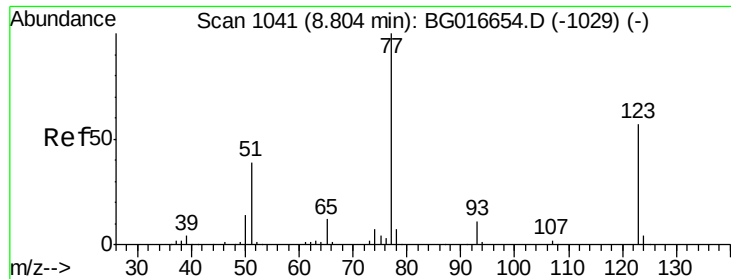
#23  
Nitrobenzene-d5  
Concen: 65.25 ng  
RT: 8.76 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 222043 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 53.0  | 44.7  | 67.1   |
| 54       | 38.6  | 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

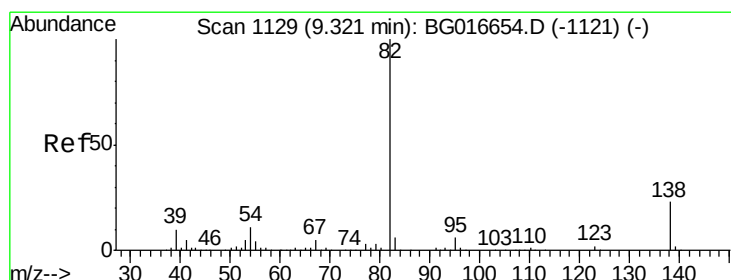
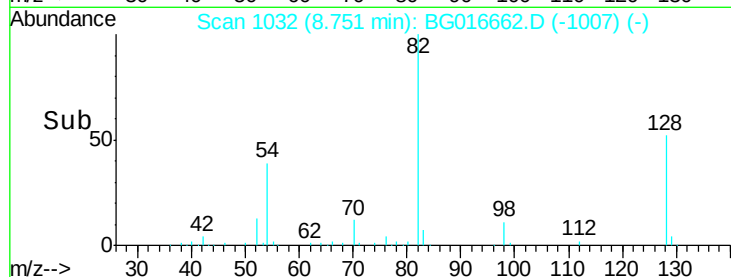
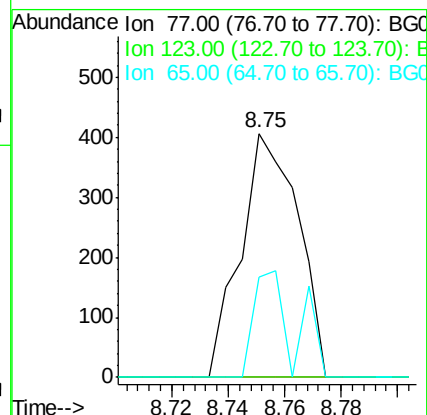
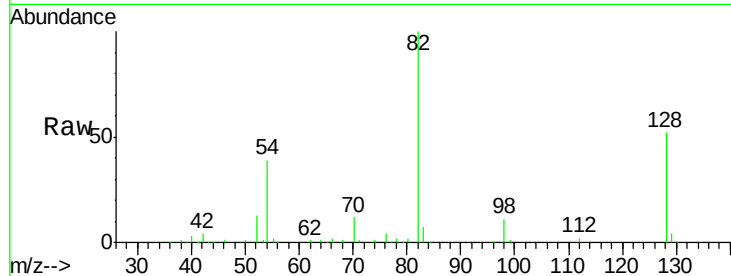




#24  
 Nitrobenzene  
 Concen: 0.16 ng  
 RT: 8.75 min Scan# 1032  
 Delta R.T. -0.05 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

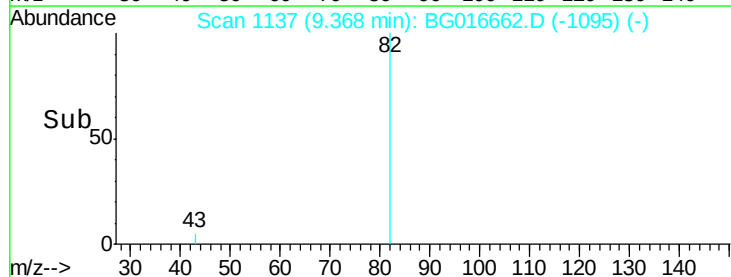
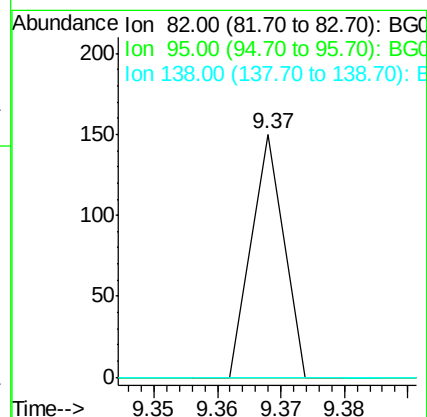
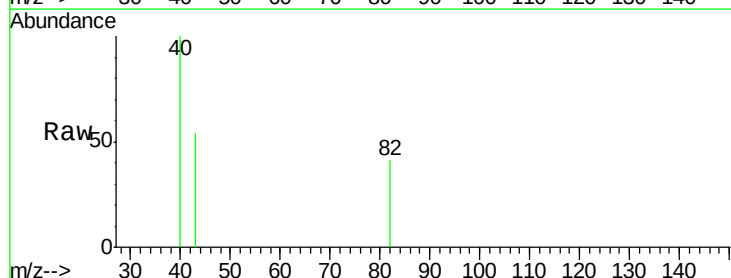
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB82956BL

Tgt Ion: 77 Resp: 572  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 45.6 68.4#  
 65 41.4 9.4 14.2#

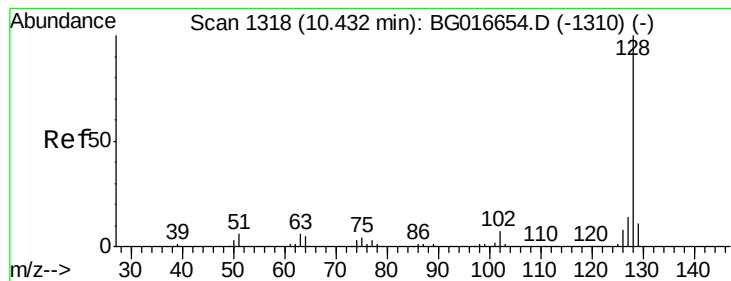


#25  
 Isophorone  
 Concen: 0.01 ng  
 RT: 9.37 min Scan# 1137  
 Delta R.T. 0.05 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

Tgt Ion: 82 Resp: 53  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.0 7.6#  
 138 0.0 18.2 27.2#







#31

Naphthalene

Concen: 0.01 ng

RT: 10.42 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

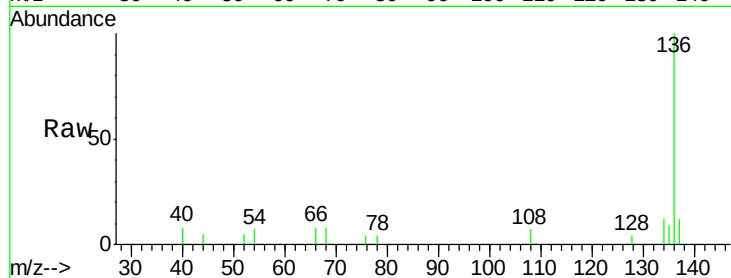
Tgt Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

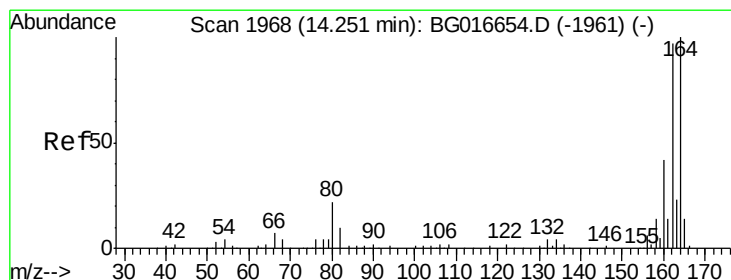
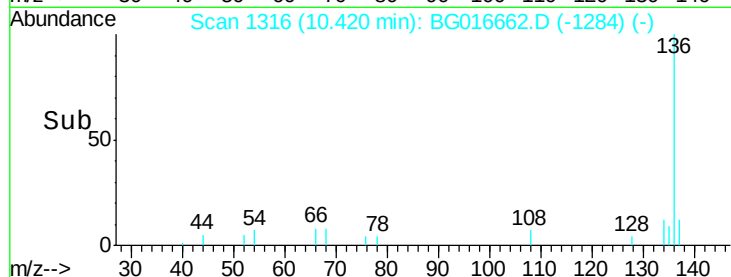
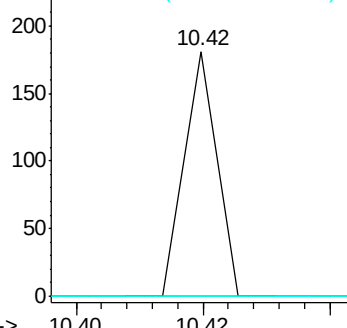
127 0.0 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.25 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

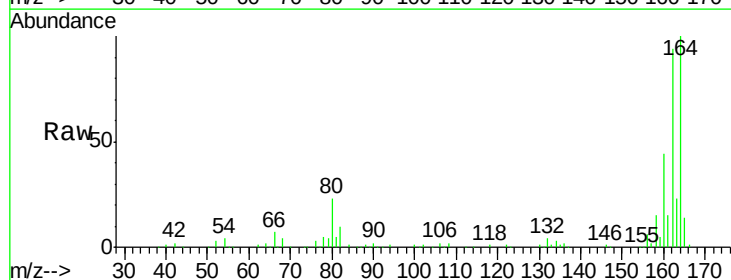
Tgt Ion:164 Resp: 120594

Ion Ratio Lower Upper

164 100

162 94.3 77.3 115.9

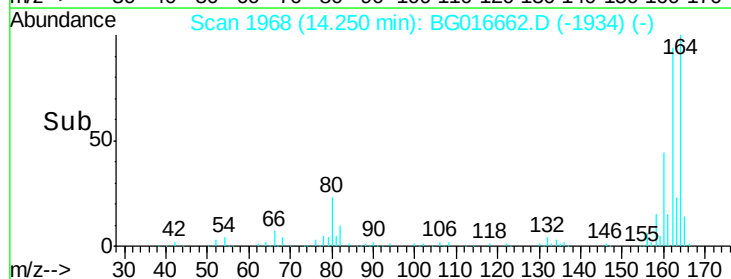
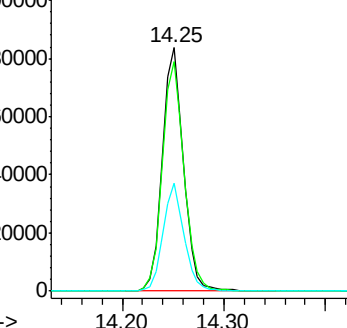
160 44.3 33.7 50.5

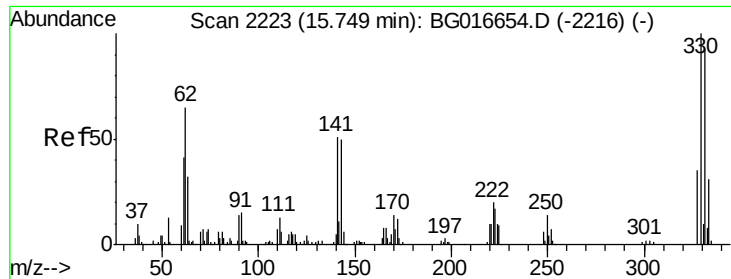


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

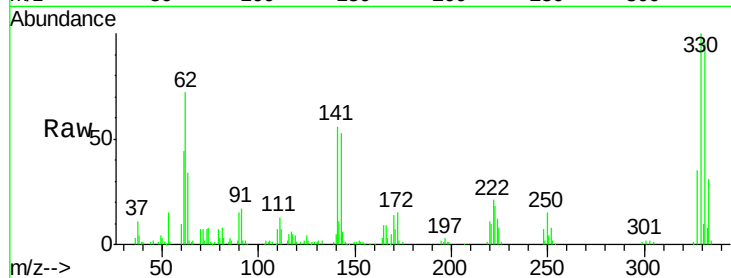




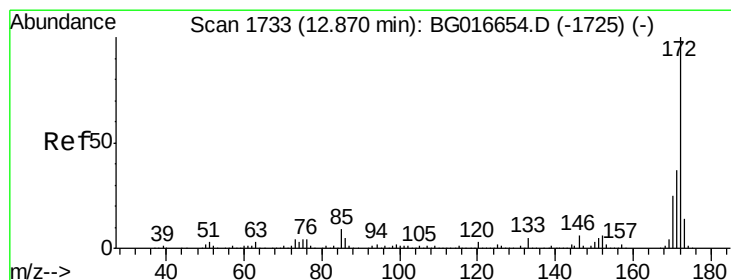
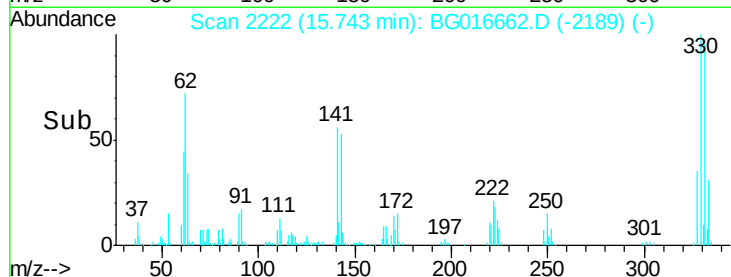
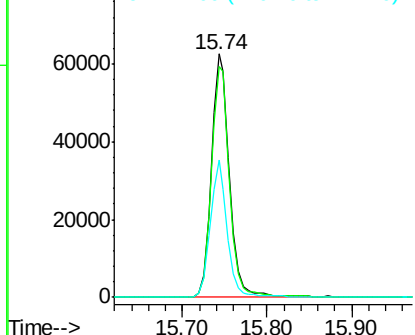
#41  
 2,4,6-Tribromophenol  
 Concen: 105.60 ng  
 RT: 15.74 min Scan# 2222  
 Delta R.T. -0.01 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82956BL

Tgt Ion: 330 Resp: 94474  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 76.2 114.4  
 141 52.8 43.0 64.6

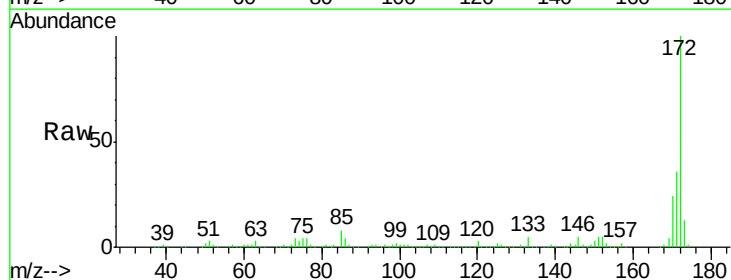


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

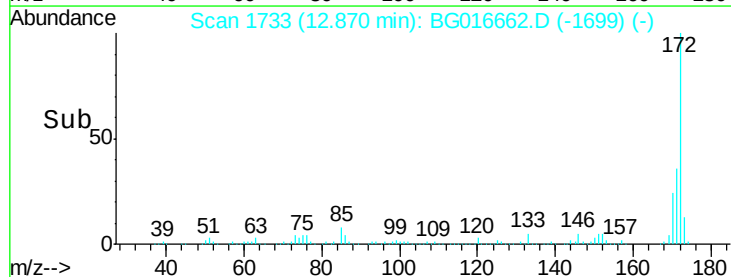
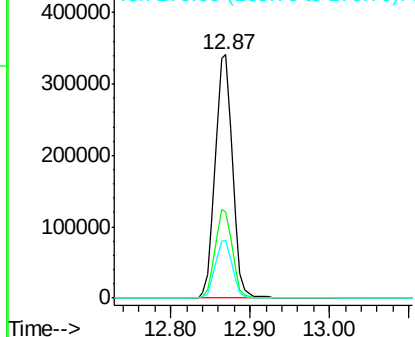


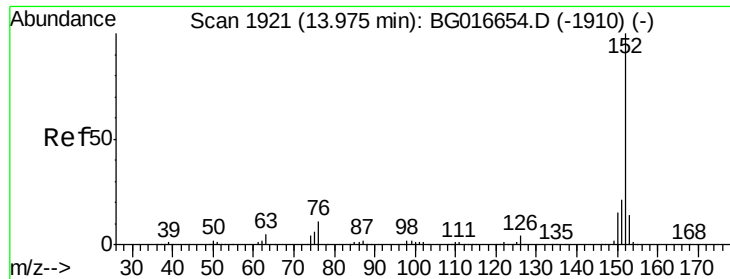
#44  
 2-Fluorobiphenyl  
 Concen: 68.64 ng  
 RT: 12.87 min Scan# 1733  
 Delta R.T. -0.00 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

Tgt Ion: 172 Resp: 515218  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.9 44.9  
 170 23.7 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





#48

Acenaphthylene

Concen: 0.01 ng

RT: 13.98 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

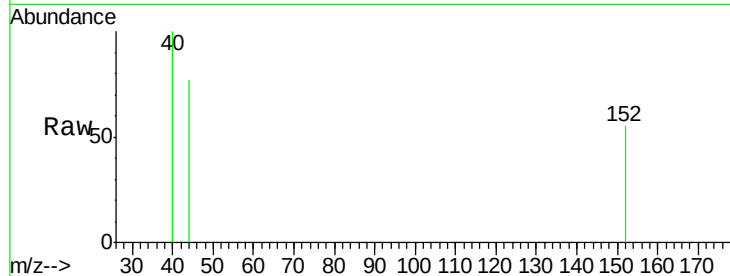
Tgt Ion:152 Resp: 121

Ion Ratio Lower Upper

152 100

151 0.0 16.7 25.1#

153 0.0 11.0 16.6#

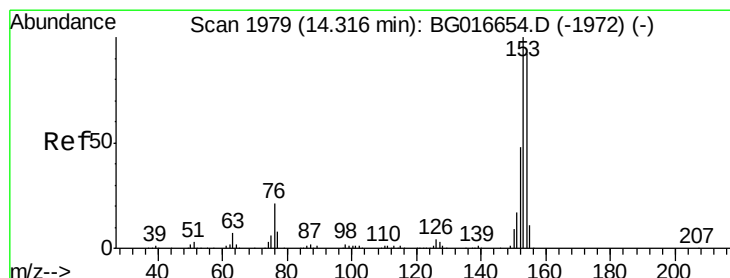
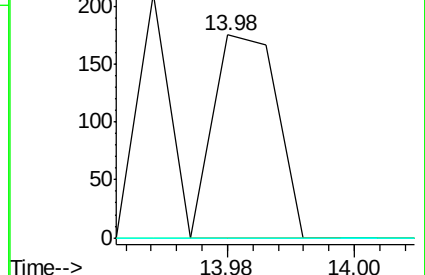
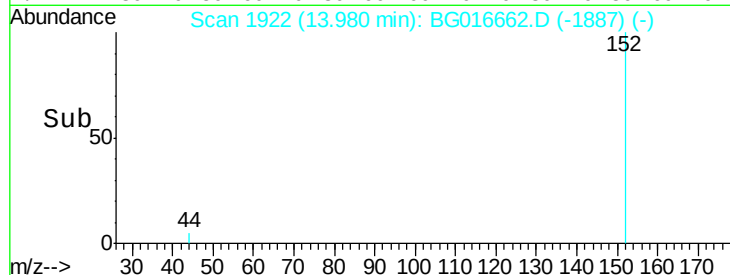


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



#51

Acenaphthene

Concen: 0.05 ng

RT: 14.25 min Scan# 1968

Delta R.T. -0.07 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

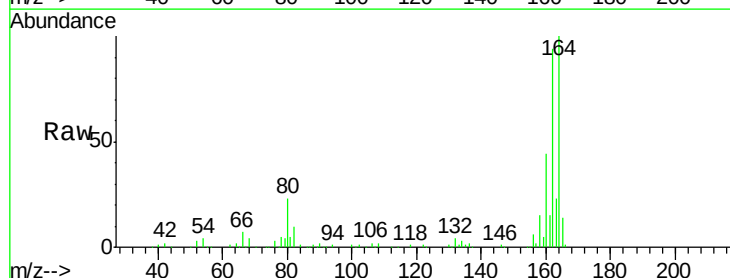
Tgt Ion:154 Resp: 379

Ion Ratio Lower Upper

154 100

153 0.0 87.0 130.6#

152 0.0 41.6 62.4#

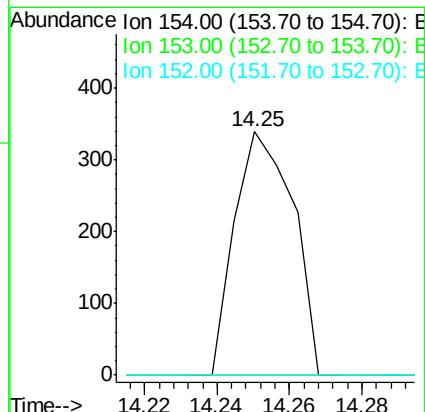
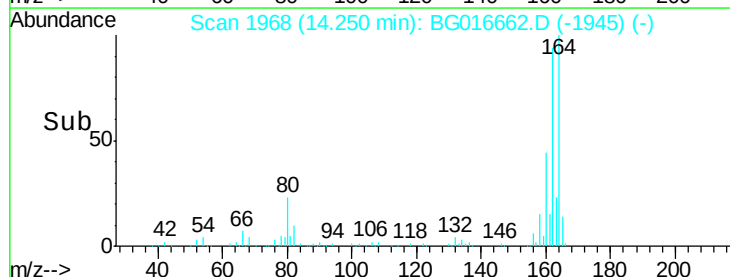


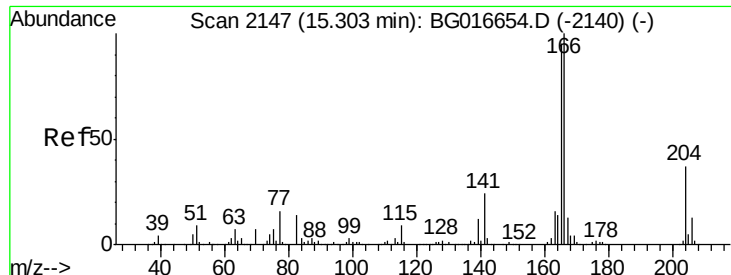
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->





#57

Fluorene

Concen: 0.01 ng

RT: 15.30 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

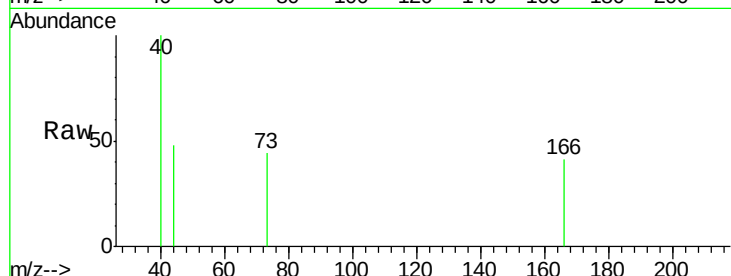
Tgt Ion: 166 Resp: 55

Ion Ratio Lower Upper

166 100

165 0.0 75.6 113.4#

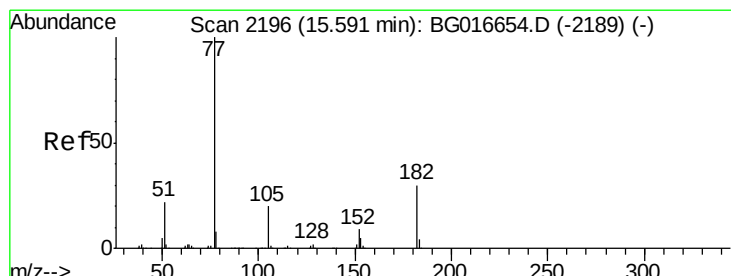
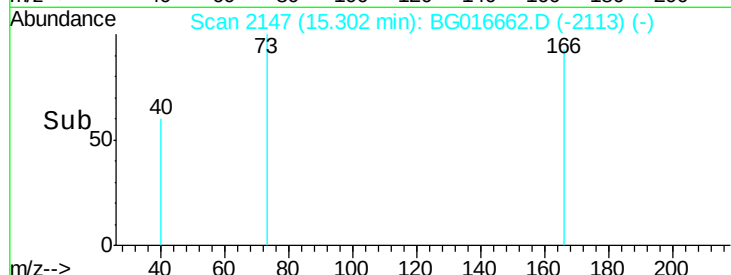
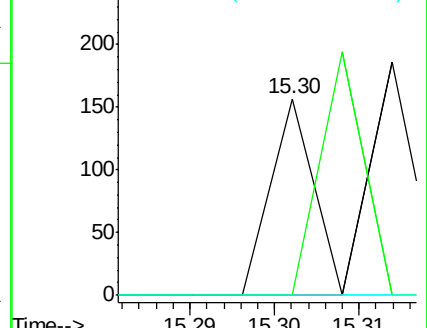
167 0.0 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

Azobenzene

Concen: 0.07 ng

RT: 15.74 min Scan# 2221

Delta R.T. 0.15 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Tgt Ion: 77 Resp: 643

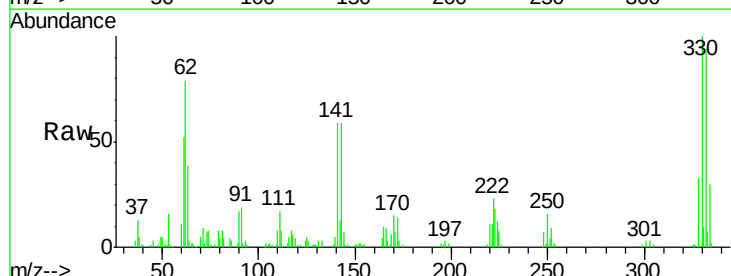
Ion Ratio Lower Upper

77 100

182 0.0 9.8 49.8#

105 102.0 0.0 39.5#

51 72.7 1.9 41.9#

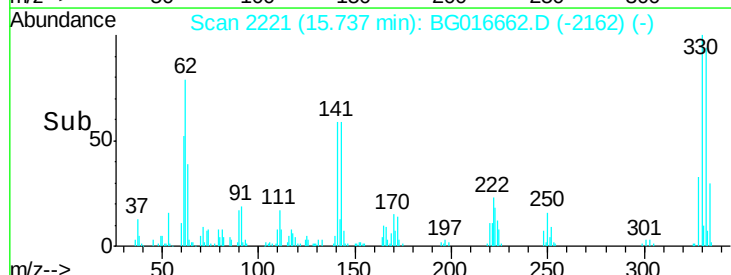
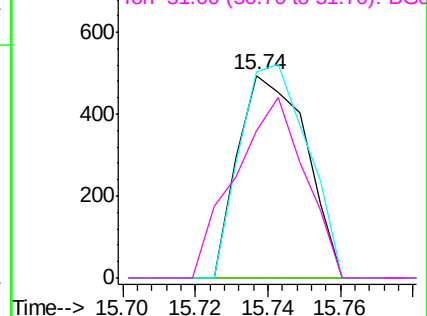


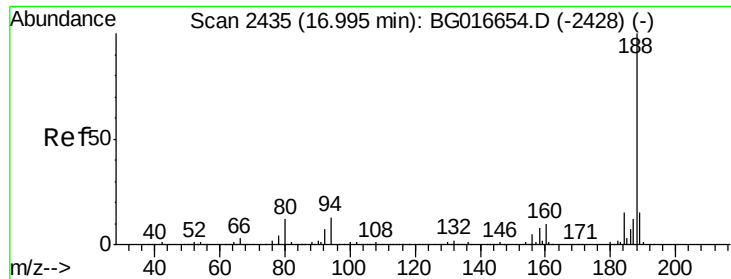
Abundance Ion 77.00 (76.70 to 77.70): BGC

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

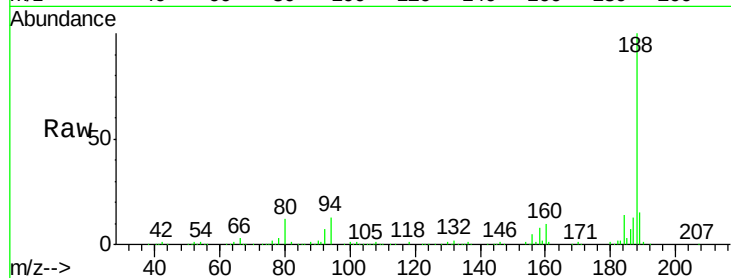




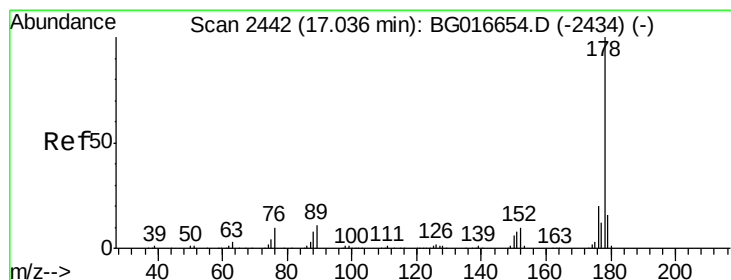
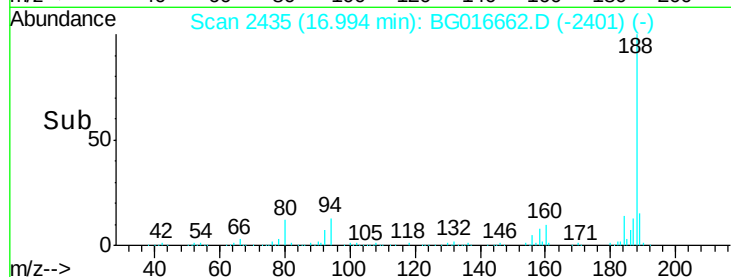
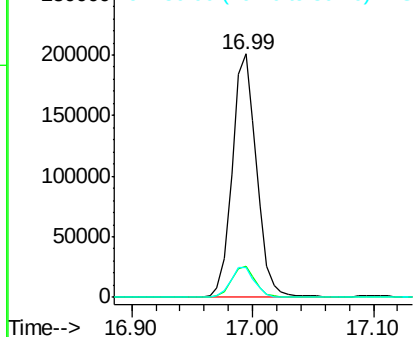
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.99 min Scan# 2435  
Delta R.T. -0.00 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB82956BL

Tgt Ion:188 Resp: 281375  
Ion Ratio Lower Upper  
188 100  
94 12.7 10.7 16.1  
80 12.1 9.9 14.9

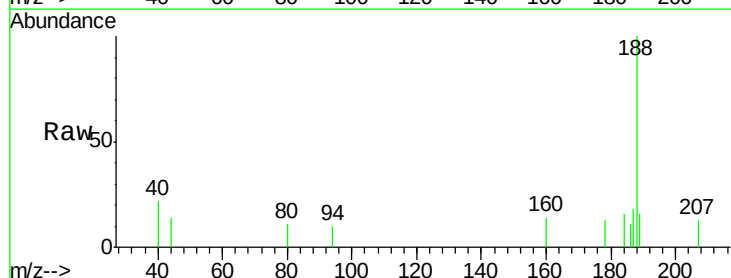


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGO  
Ion 80.00 (79.70 to 80.70): BGO

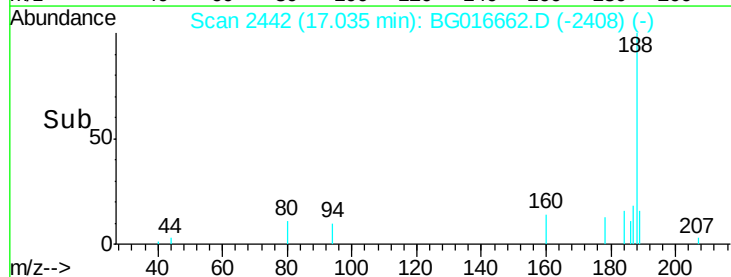
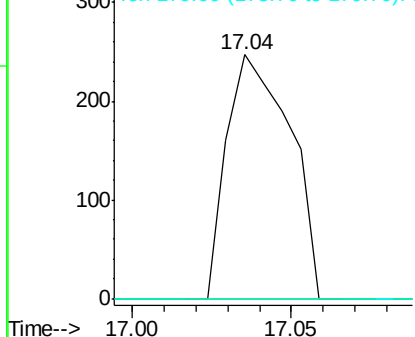


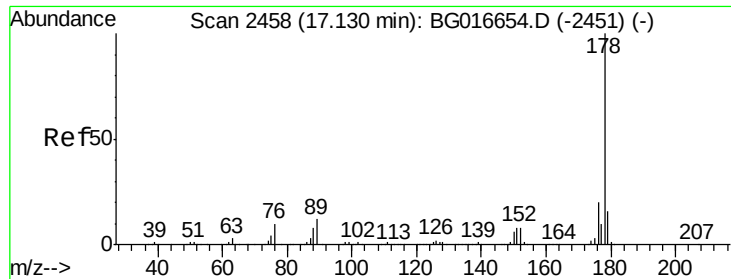
#70  
Phenanthrene  
Concen: 0.02 ng  
RT: 17.04 min Scan# 2442  
Delta R.T. -0.00 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Tgt Ion:178 Resp: 340  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.8 23.6#  
179 0.0 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

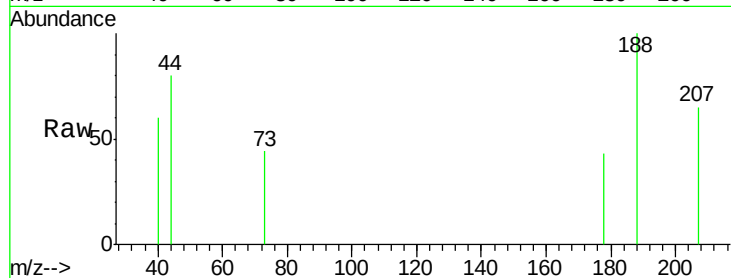




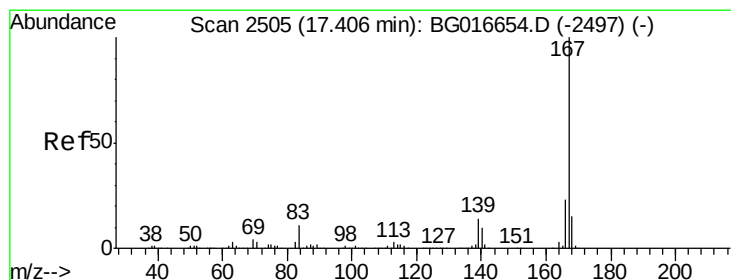
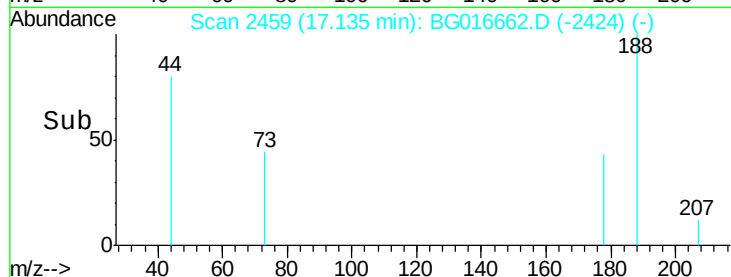
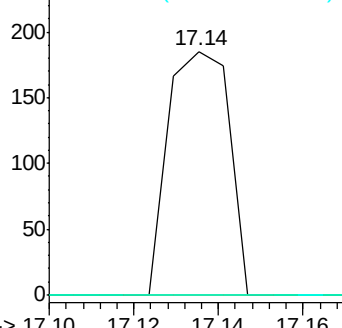
#71  
 Anthracene  
 Concen: 0.01 ng  
 RT: 17.14 min Scan# 2459  
 Delta R.T. 0.01 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82956BL

Tgt Ion:178 Resp: 185  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 16.0 24.0#  
 179 0.0 12.9 19.3#

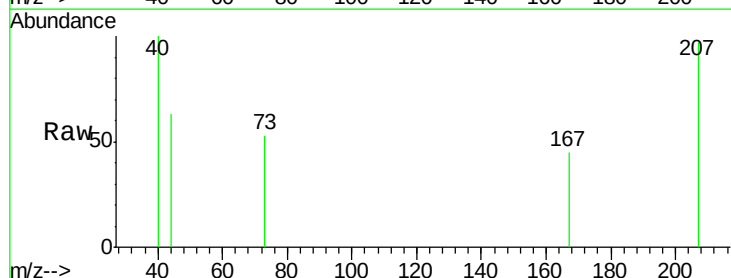


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

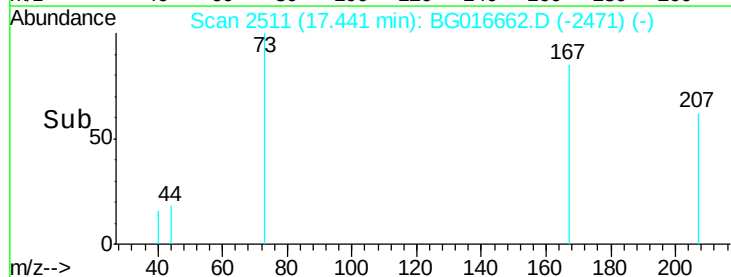
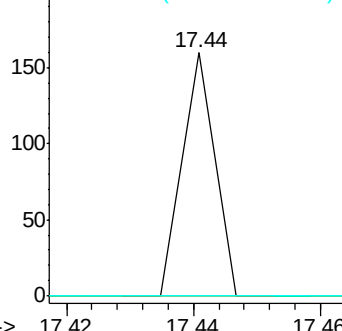


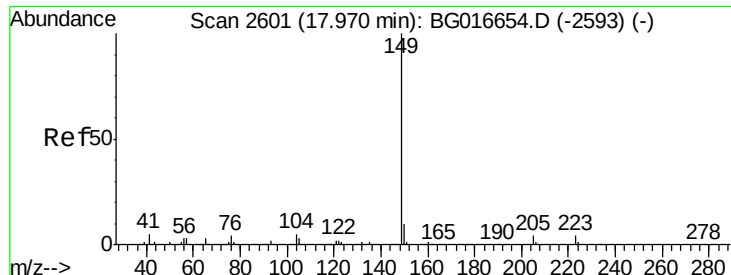
#72  
 Carbazole  
 Concen: 0.00 ng  
 RT: 17.44 min Scan# 2511  
 Delta R.T. 0.03 min  
 Lab File: BG016662.D  
 Acq: 23 Apr 2015 20:53

Tgt Ion:167 Resp: 56  
 Ion Ratio Lower Upper  
 167 100  
 166 0.0 18.4 27.6#  
 139 0.0 11.1 16.7#



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.01 ng

RT: 17.98 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

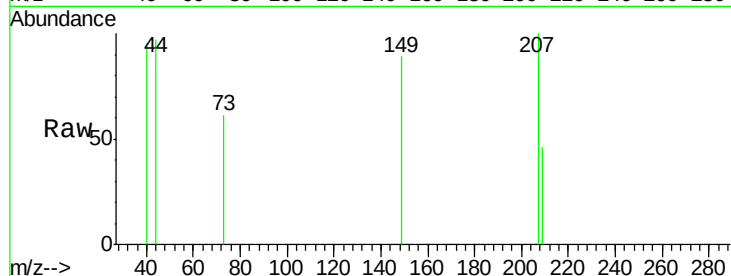
Tgt Ion:149 Resp: 269

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

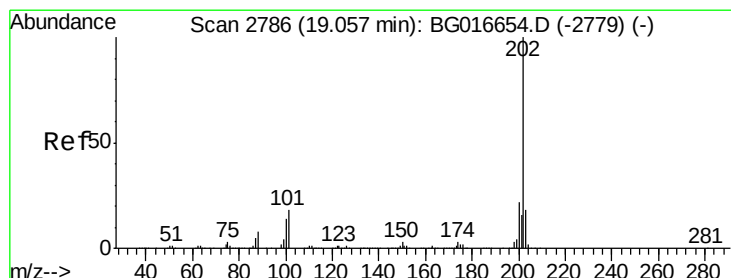
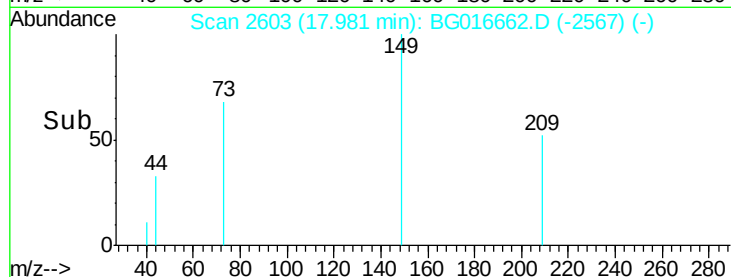
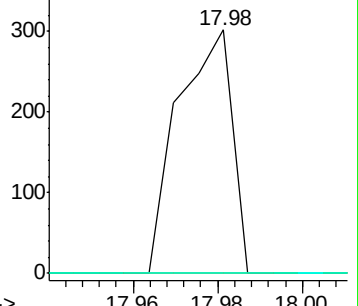
104 0.0 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.02 ng

RT: 19.07 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

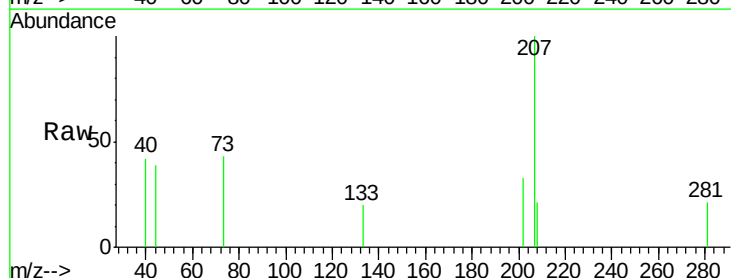
Tgt Ion:202 Resp: 311

Ion Ratio Lower Upper

202 100

101 0.0 0.0 38.1

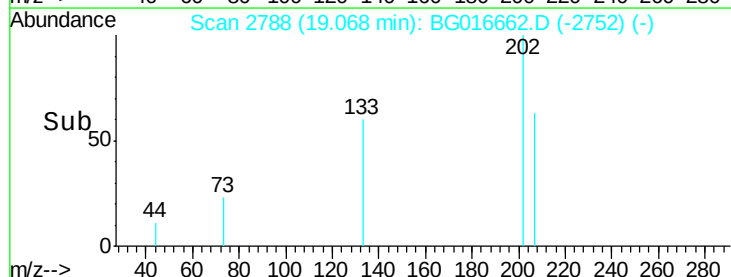
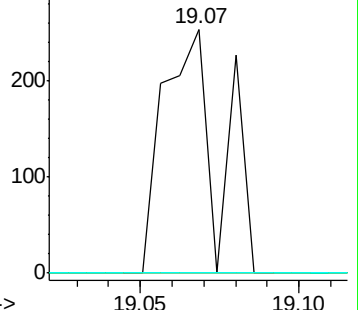
203 0.0 0.0 38.4

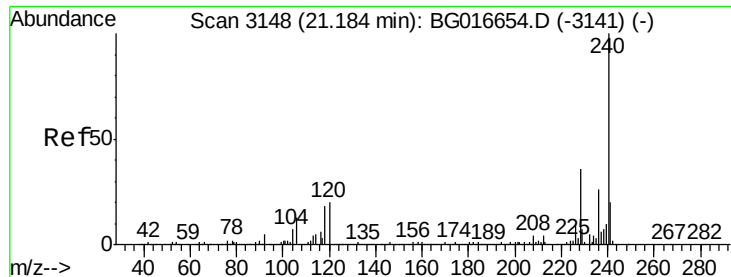


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.18 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

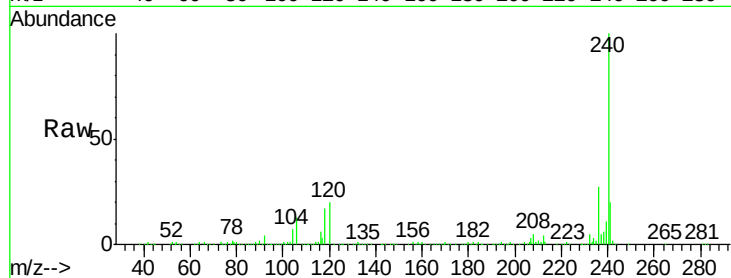
Tgt Ion:240 Resp: 284770

Ion Ratio Lower Upper

240 100

120 20.1 16.3 24.5

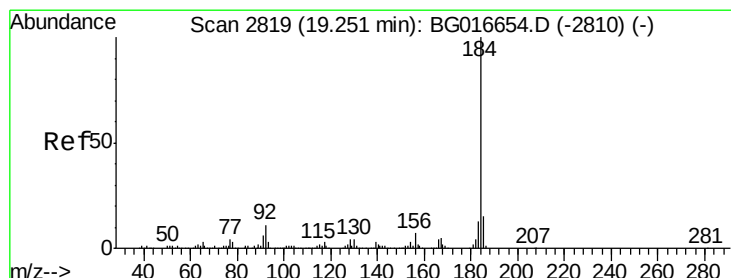
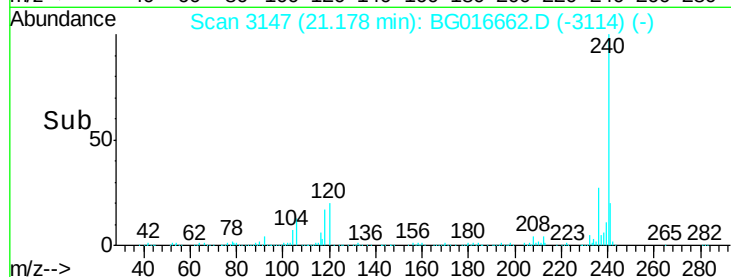
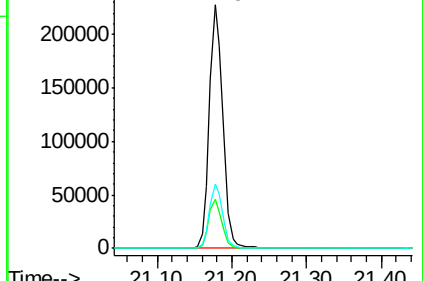
236 26.6 21.1 31.7



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: 0.03 ng

RT: 19.27 min Scan# 2822

Delta R.T. 0.02 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

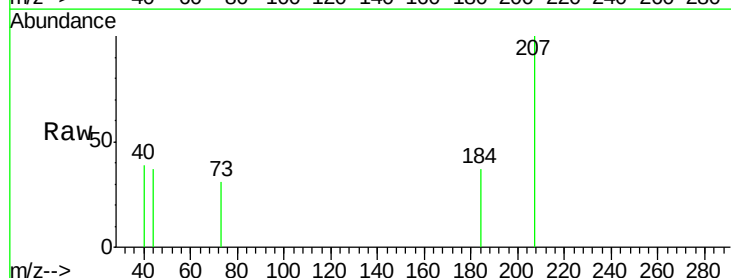
Tgt Ion:184 Resp: 330

Ion Ratio Lower Upper

184 100

185 0.0 12.3 18.5#

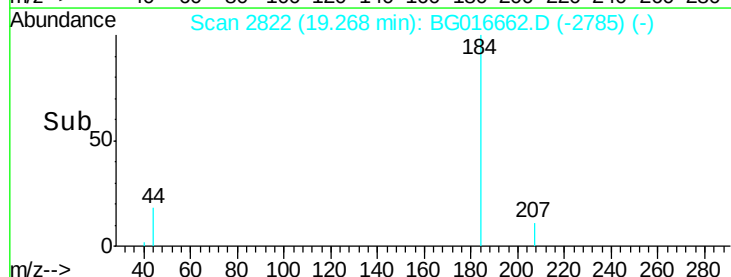
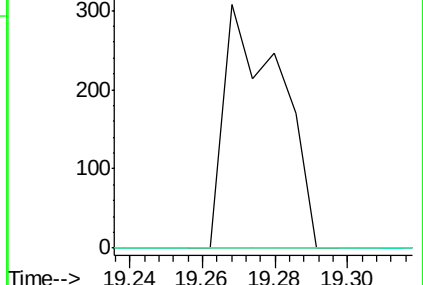
183 0.0 10.1 15.1#



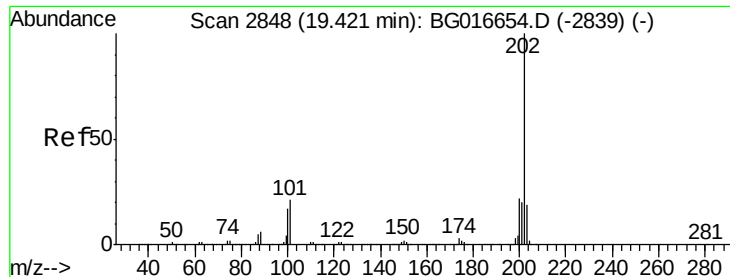
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E







#77

Pyrene

Concen: 0.02 ng

RT: 19.43 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

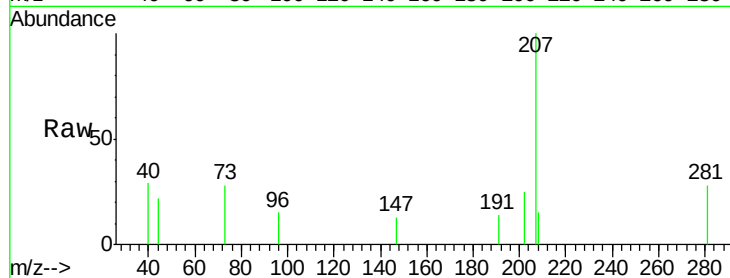
Tgt Ion: 202 Resp: 332

Ion Ratio Lower Upper

202 100

200 0.0 18.0 27.0#

203 0.0 14.9 22.3#

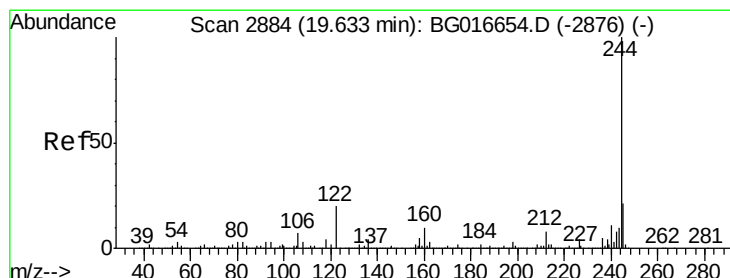
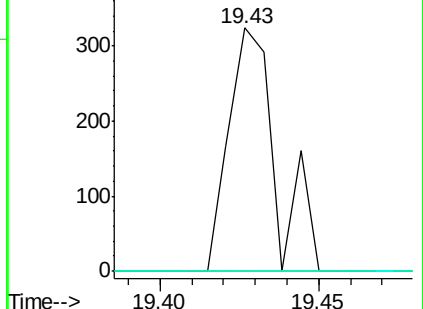
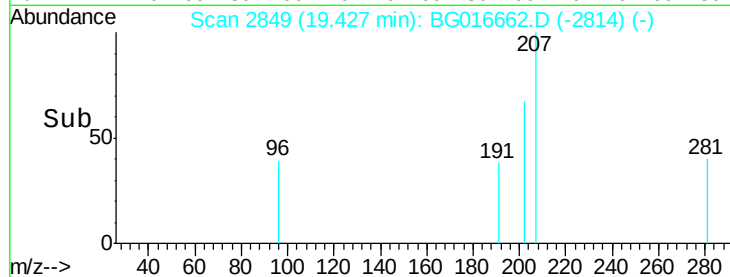


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#78

Terphenyl-d14

Concen: 62.74 ng

RT: 19.63 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

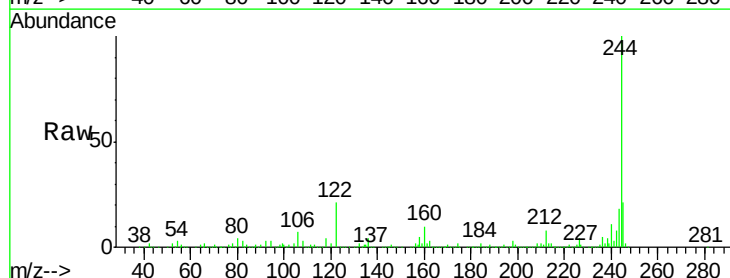
Tgt Ion: 244 Resp: 775652

Ion Ratio Lower Upper

244 100

212 8.4 6.4 9.6

122 20.9 15.9 23.9

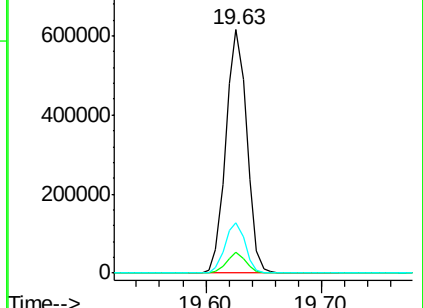
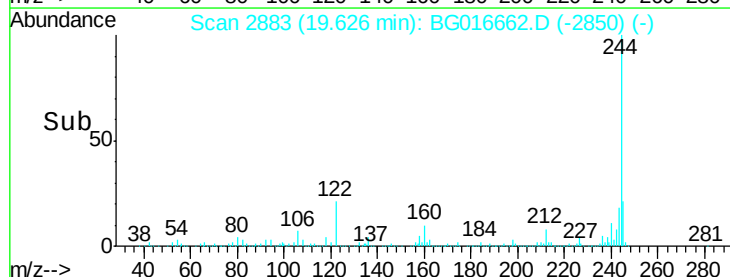


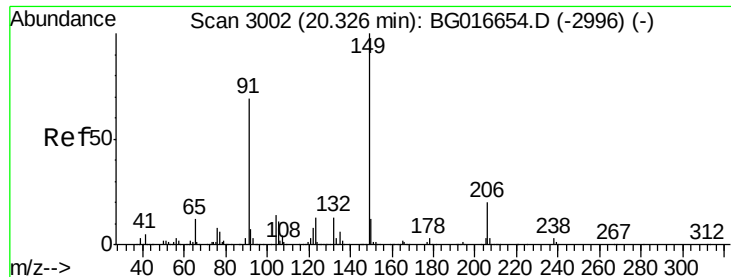
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->

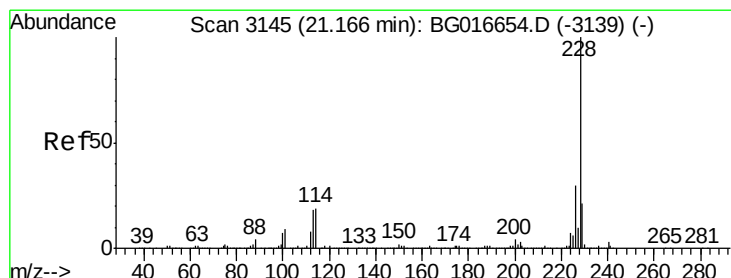
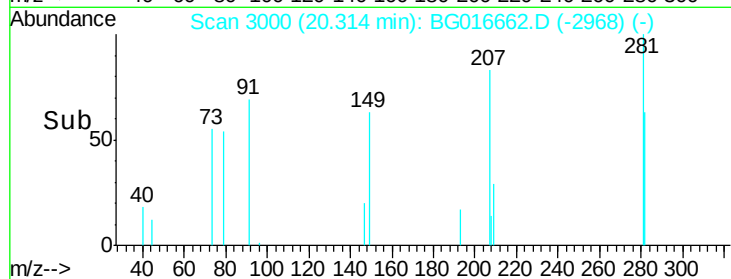
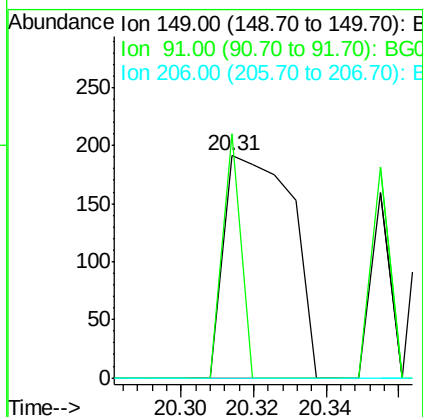
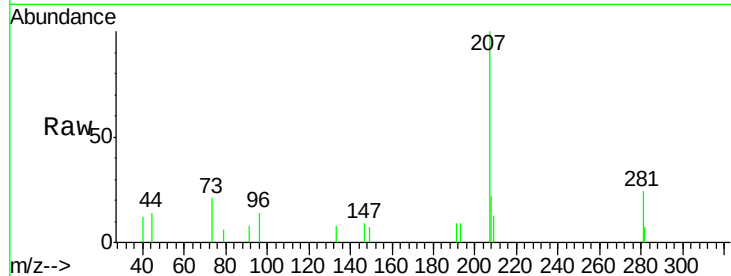




#79  
Butylbenzylphthalate  
Concen: 0.03 ng  
RT: 20.31 min Scan# 3000  
Delta R.T. -0.01 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

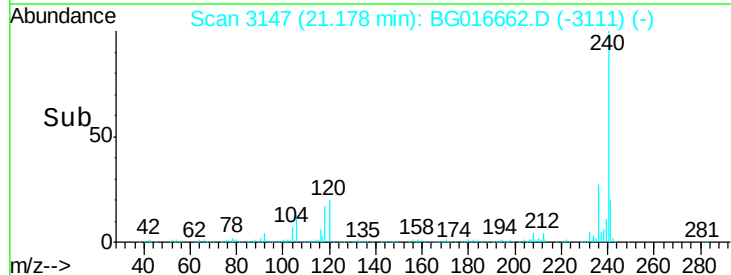
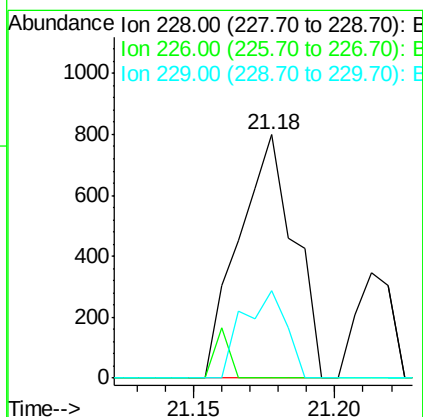
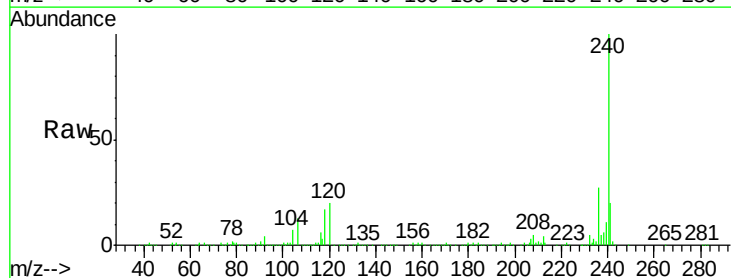
Instrument :  
BNA\_G  
ClientSampleID :  
PB82956BL

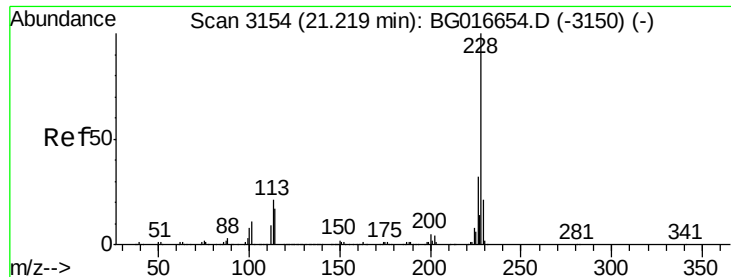
Tgt Ion:149 Resp: 248  
Ion Ratio Lower Upper  
149 100  
91 109.9 55.4 83.0#  
206 0.0 16.4 24.6#



#80  
Benzo(a)anthracene  
Concen: 0.06 ng  
RT: 21.18 min Scan# 3147  
Delta R.T. 0.01 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Tgt Ion:228 Resp: 1078  
Ion Ratio Lower Upper  
228 100  
226 0.0 23.8 35.6#  
229 35.7 17.0 25.4#





#82

Chrysene

Concen: 0.02 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampled :

PB82956BL

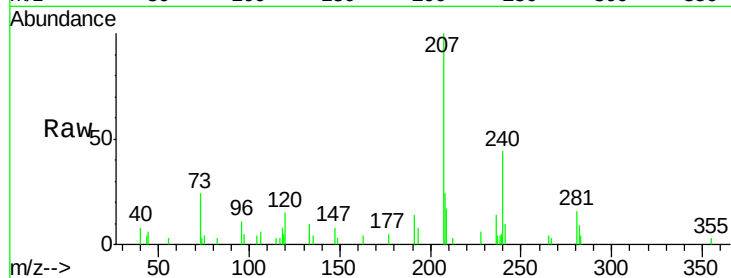
Tgt Ion: 228 Resp: 302

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

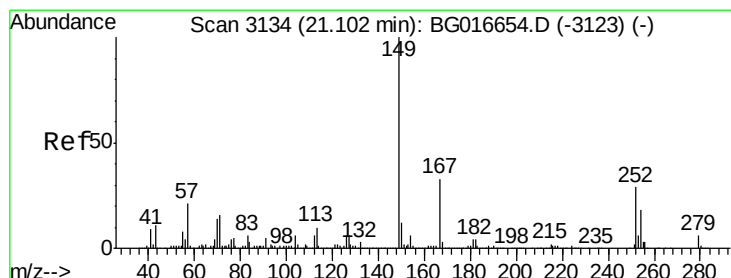
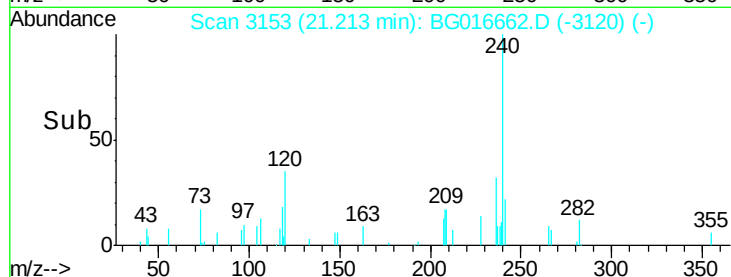
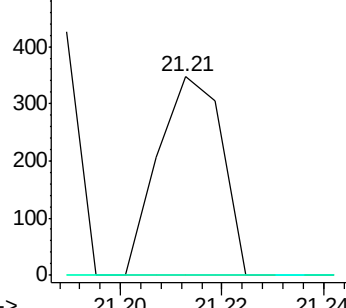
229 0.0 16.5 24.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 21.10 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

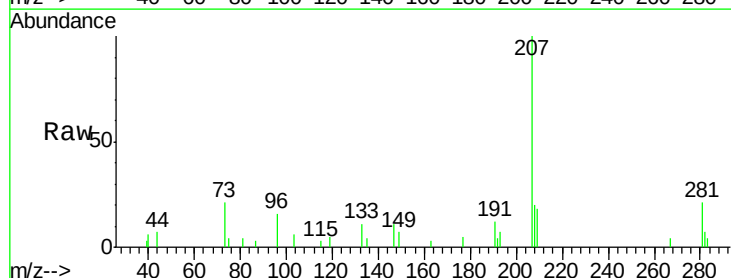
Tgt Ion: 149 Resp: 551

Ion Ratio Lower Upper

149 100

167 0.0 26.6 39.8#

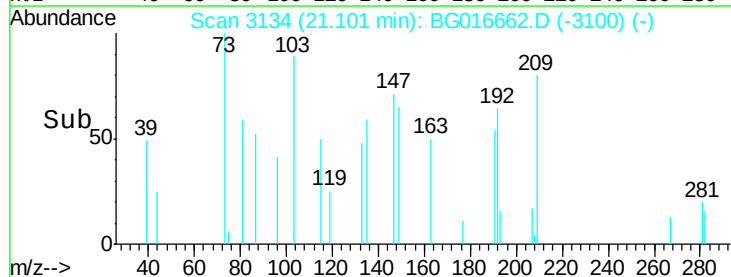
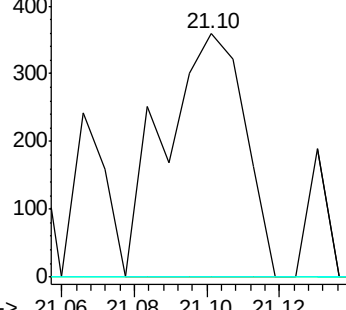
279 0.0 5.1 7.7#

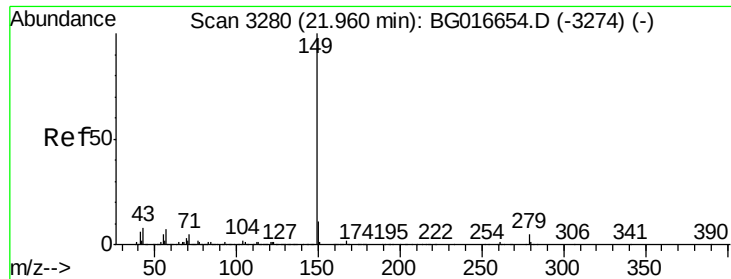


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 21.95 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

Instrument :

BNA\_G

ClientSampleId :

PB82956BL

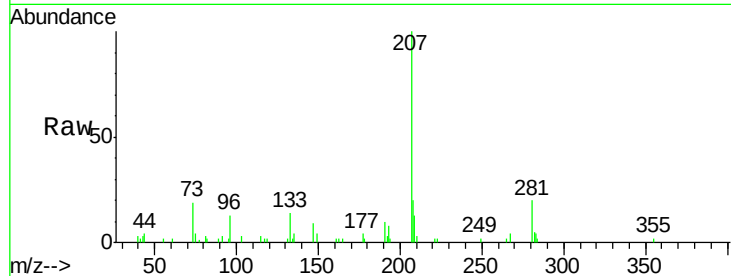
Tgt Ion:149 Resp: 652

Ion Ratio Lower Upper

149 100

167 8.7 1.4 2.0#

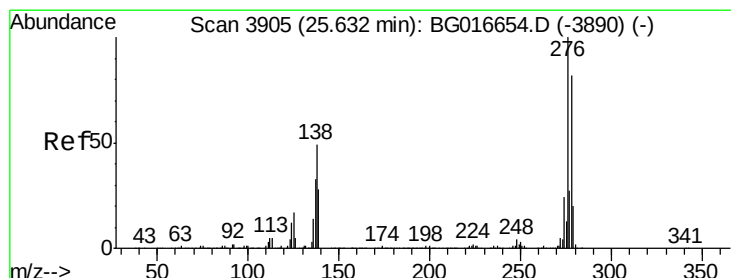
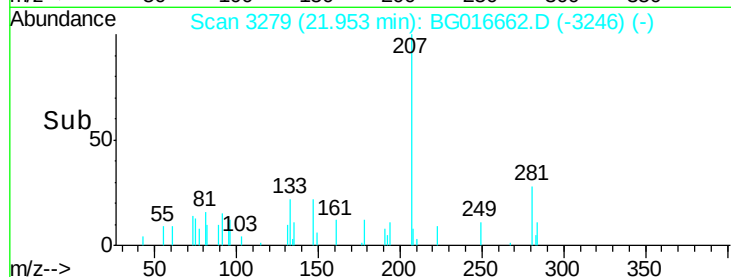
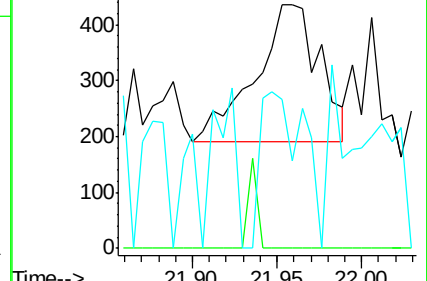
43 76.8 5.7 8.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 25.65 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BG016662.D

Acq: 23 Apr 2015 20:53

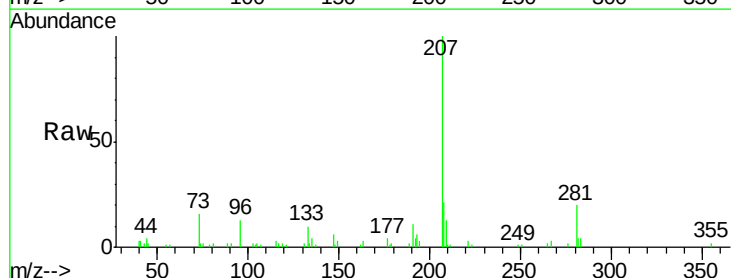
Tgt Ion:276 Resp: 384

Ion Ratio Lower Upper

276 100

138 0.0 38.2 57.2#

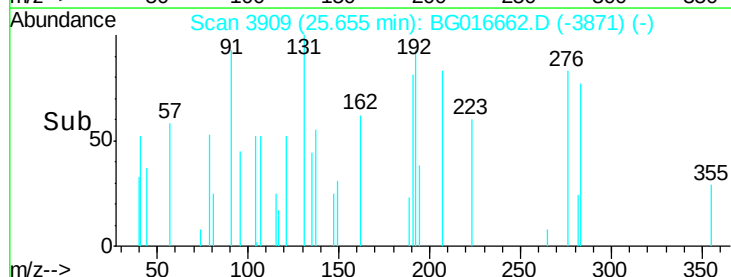
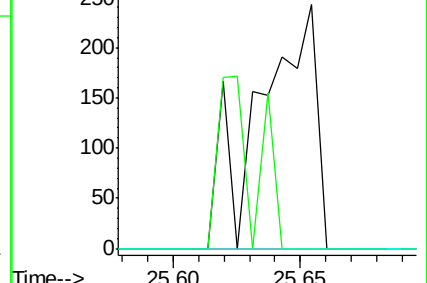
277 0.0 21.4 32.2#

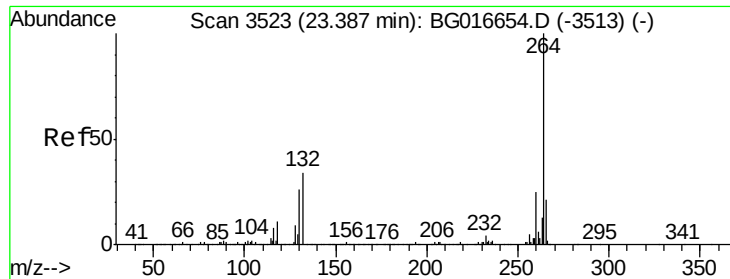


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

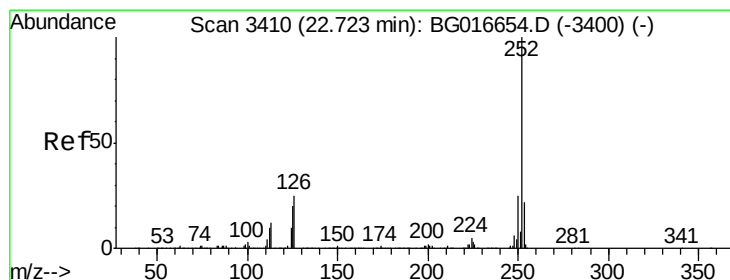
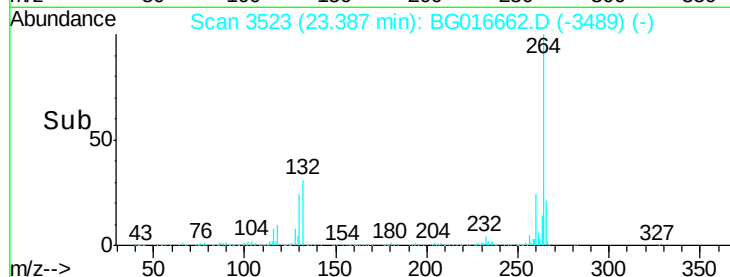
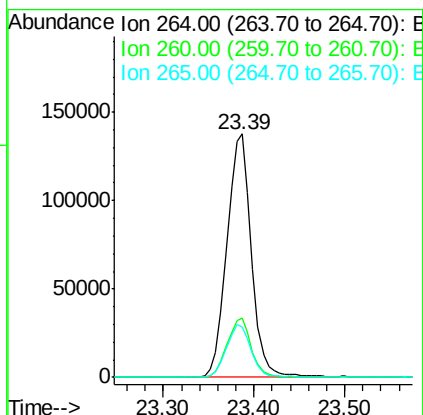
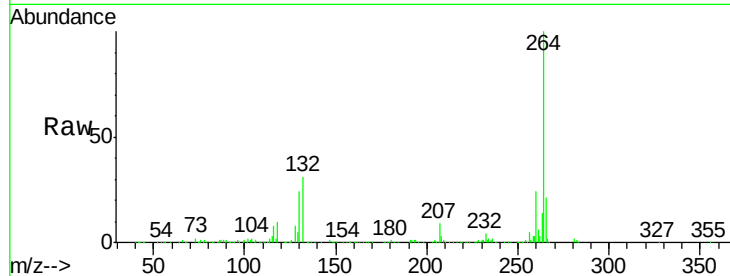




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.39 min Scan# 3523  
Delta R.T. -0.00 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB82956BL

Tgt Ion: 264 Resp: 258478  
Ion Ratio Lower Upper  
264 100  
260 24.4 20.0 30.0  
265 20.8 16.8 25.2



#87  
Benzo(b)fluoranthene  
Concen: 0.04 ng  
RT: 22.72 min Scan# 3410  
Delta R.T. -0.00 min  
Lab File: BG016662.D  
Acq: 23 Apr 2015 20:53

Tgt Ion: 252 Resp: 698  
Ion Ratio Lower Upper  
252 100  
253 38.5 17.9 26.9#  
125 0.0 15.8 23.8#

