

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032018\  
 Data File : BG033284.D  
 Acq On : 21 Mar 2018 2:42  
 Operator : SJ/JU  
 Sample : J1975-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 21 03:30:07 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 19 16:48:53 2018  
 Response via : Initial Calibration

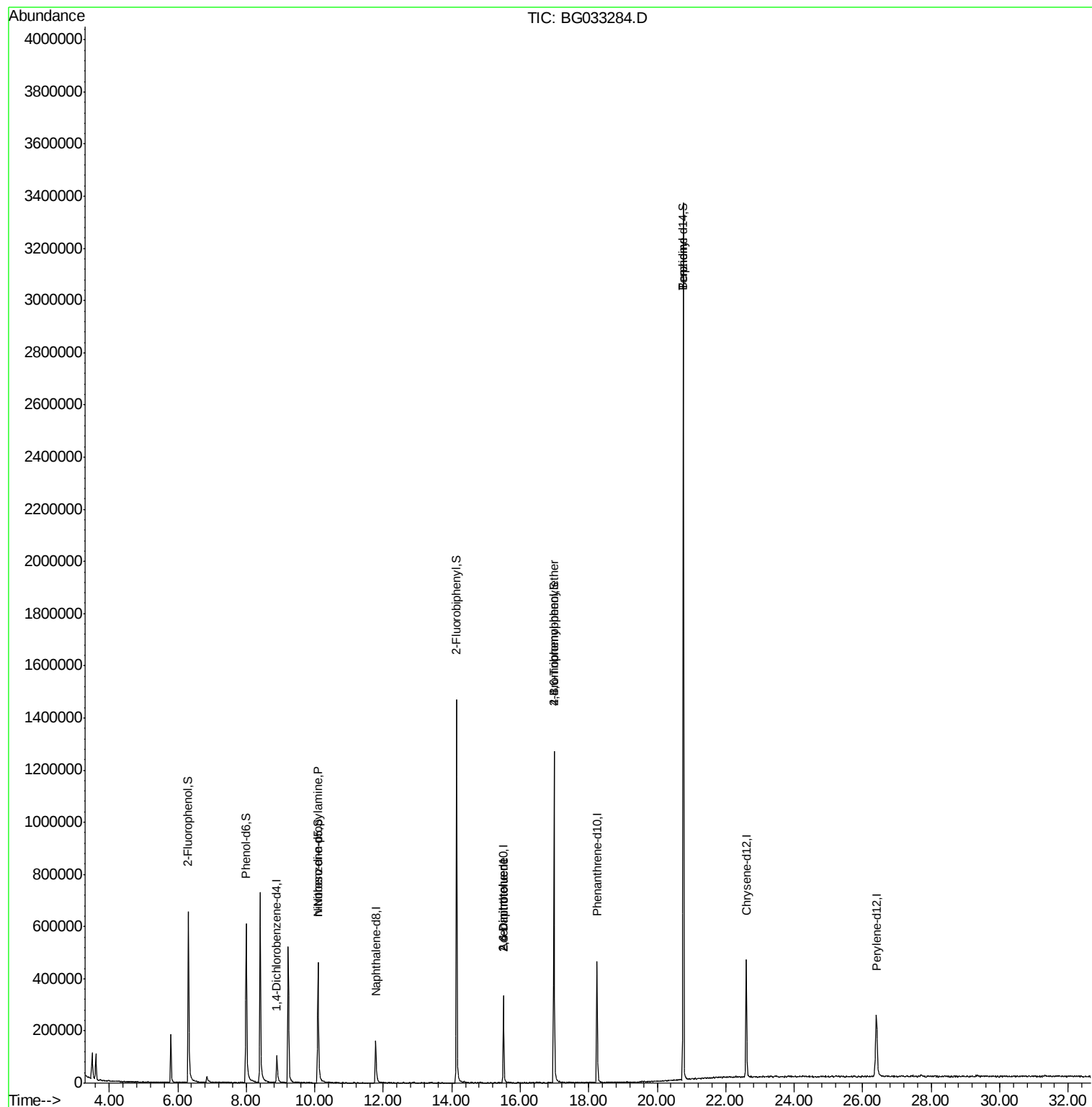
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.89  | 152  | 38975    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.78 | 136  | 162693   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.51 | 164  | 125906   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.24 | 188  | 339242   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.60 | 240  | 335531   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.40 | 264  | 352896   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.31  | 112  | 325887   | 156.79 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.99  | 99   | 448598   | 125.61 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.09 | 82   | 362269   | 102.30 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.98 | 330  | 266377   | 141.46 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.14 | 172  | 861314   | 98.76  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.76 | 244  | 1649537  | 105.14 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 10.09 | 70   | 48979    | 18.716 | ng    | # 78     |
| 50) 2,6-Dinitrotoluene         | 15.51 | 165  | 16353    | 7.299  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.51 | 165  | 16410    | 4.974  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.98 | 248  | 20203    | 5.071  | ng    | # 1      |
| 76) Benzidine                  | 20.76 | 184  | 27103    | 2.979  | ng    | # 93     |

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

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

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BNA\_F  
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Quant Time: Mar 21 03:30:07 2018  
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QLast Update : Mon Mar 19 16:48:53 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.89 min Scan# 954

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Instrument :

BNA\_F

ClientSampleId :

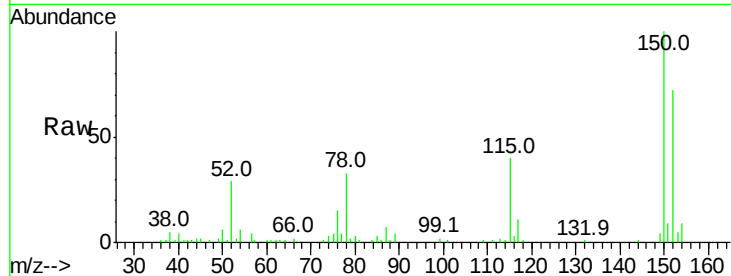
Tot Ion:152 Resp: 38975

Ion Ratio Lower Upper

152 100

150 138.8 126.6 189.8

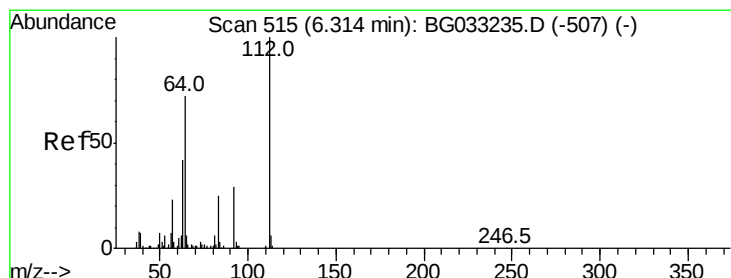
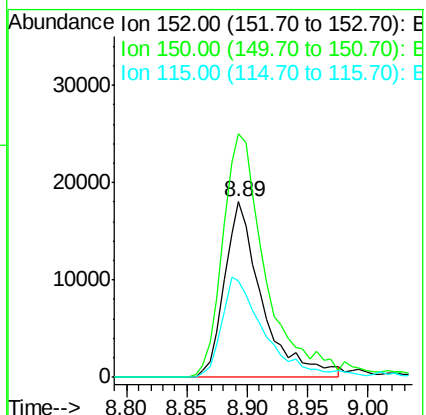
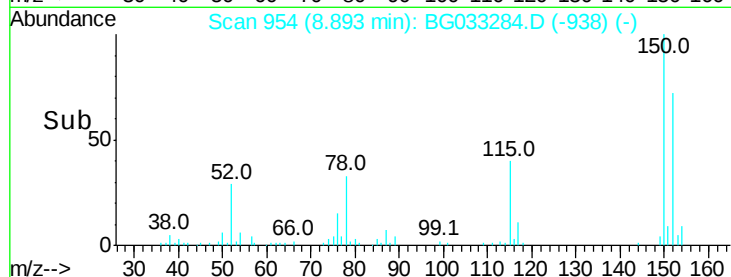
115 55.1 53.0 79.4



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: 156.787 ng

RT: 6.31 min Scan# 514

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

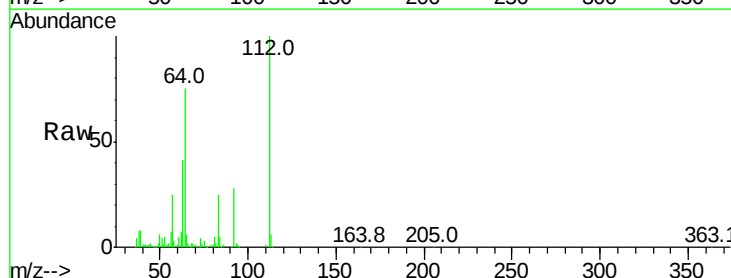
Tgt Ion:112 Resp: 325887

Ion Ratio Lower Upper

112 100

64 75.0 56.3 84.5

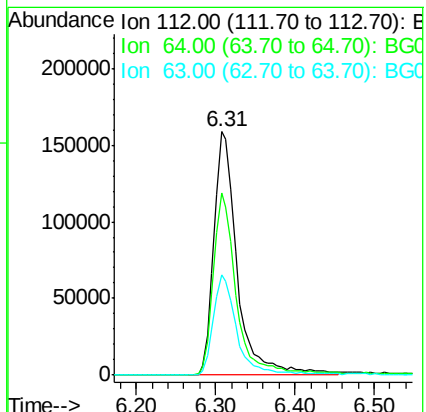
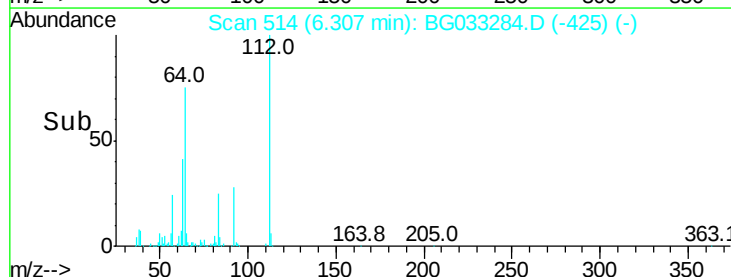
63 41.1 30.1 45.1

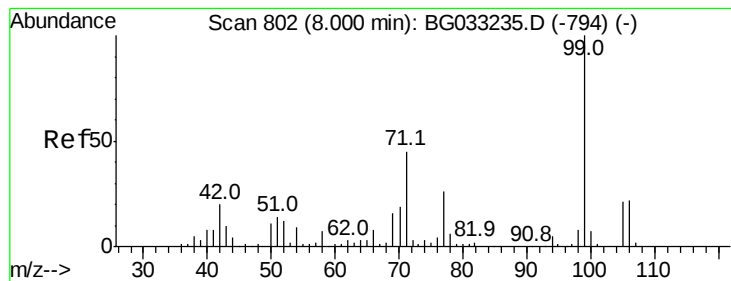


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.610 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Instrument :

BNA\_F

ClientSampled :

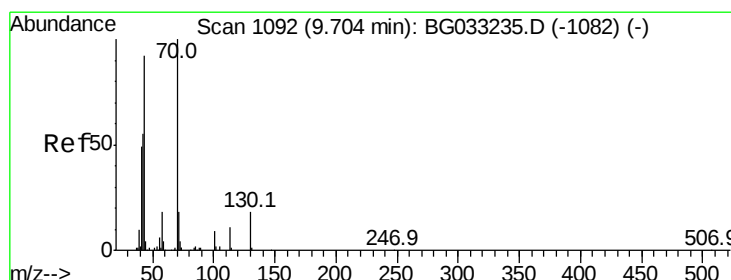
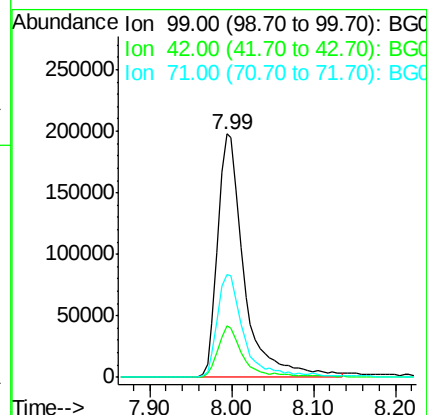
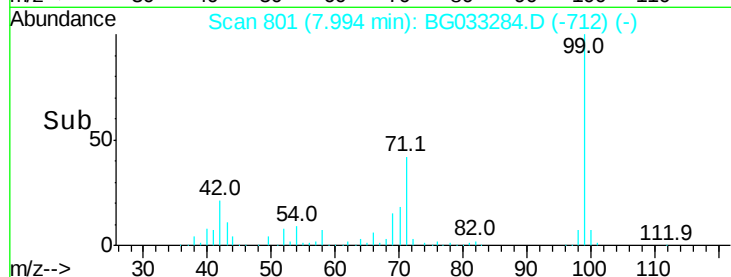
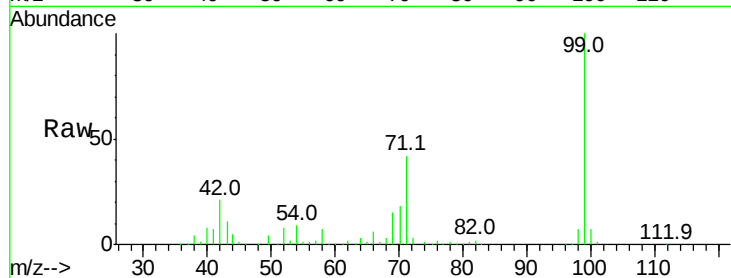
Tot Ion: 99 Resp: 448598

Ion Ratio Lower Upper

99 100

42 21.2 14.1 21.1#

71 42.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.716 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.39 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Tgt Ion: 70 Resp: 48979

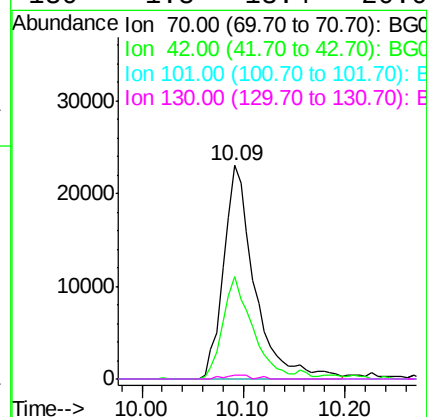
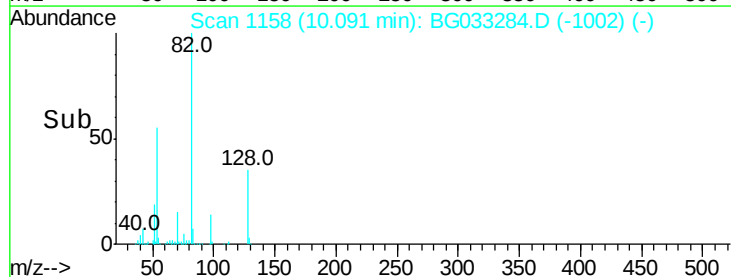
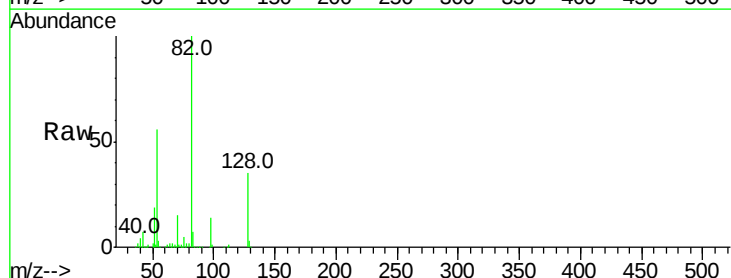
Ion Ratio Lower Upper

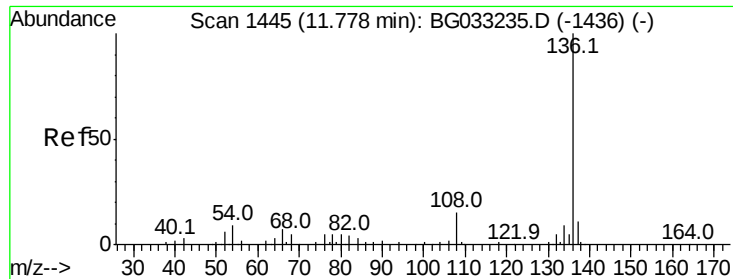
70 100

42 48.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 162693

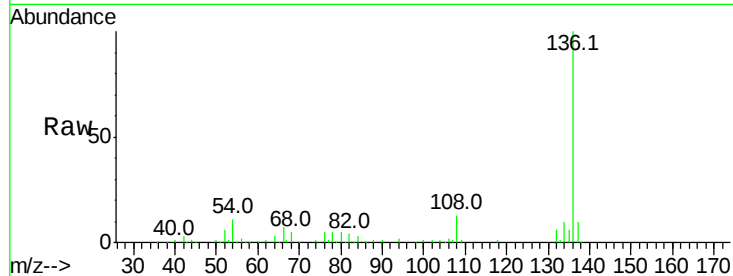
Ion Ratio Lower Upper

136 100

137 10.0 9.2 13.8

54 11.2 10.3 15.5

68 5.0 4.5 6.7

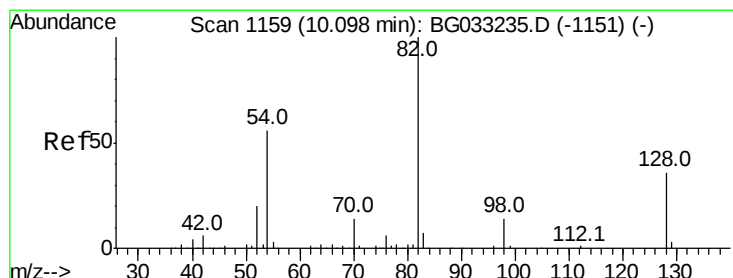
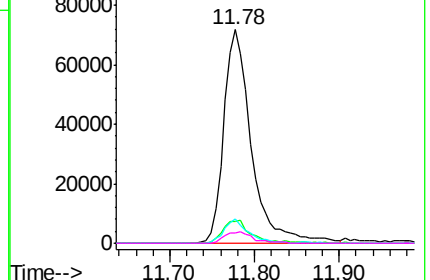
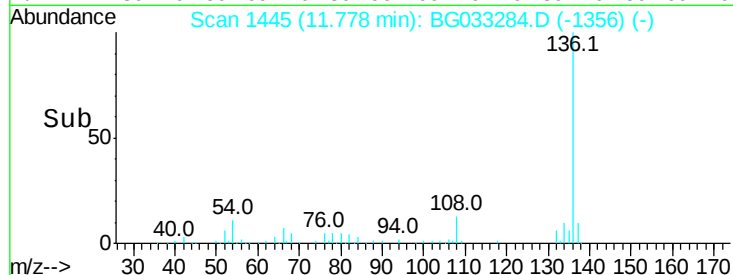


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 102.304 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

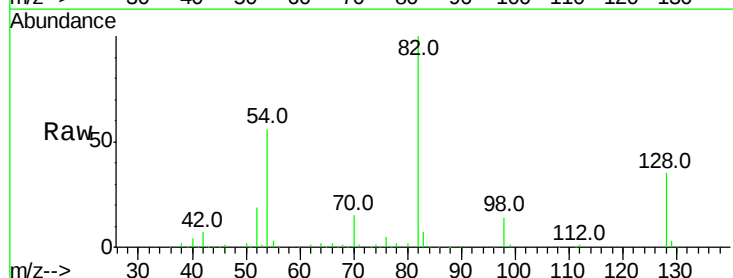
Tgt Ion: 82 Resp: 362269

Ion Ratio Lower Upper

82 100

128 34.8 29.7 44.5

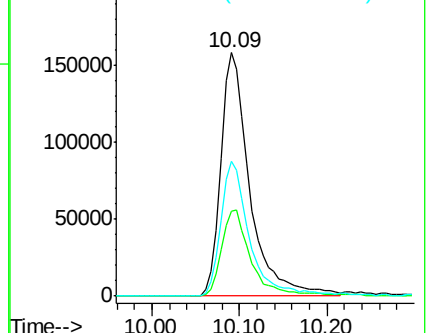
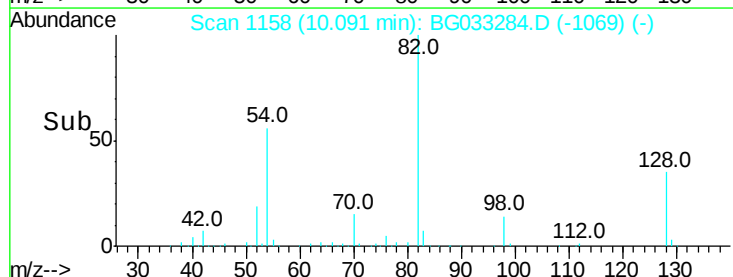
54 55.5 43.1 64.7

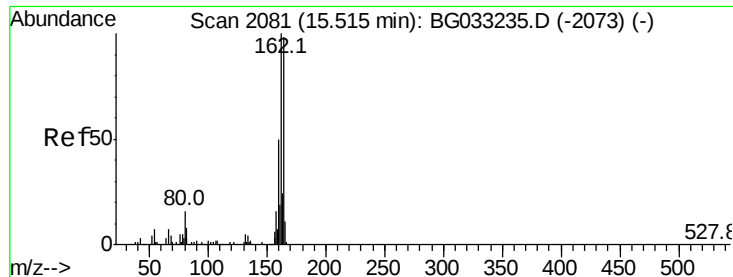


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Instrument :

BNA\_F

ClientSampleId :

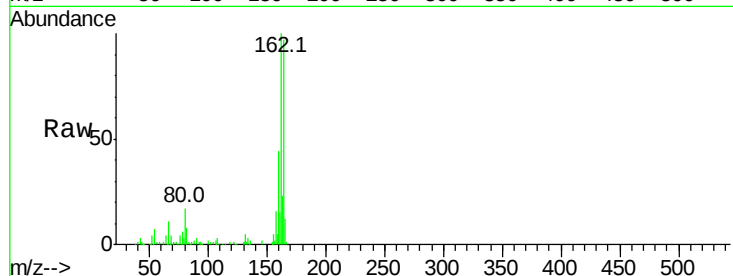
Tot Ion:164 Resp: 125906

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

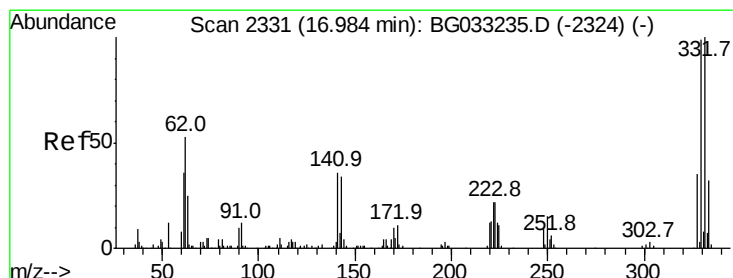
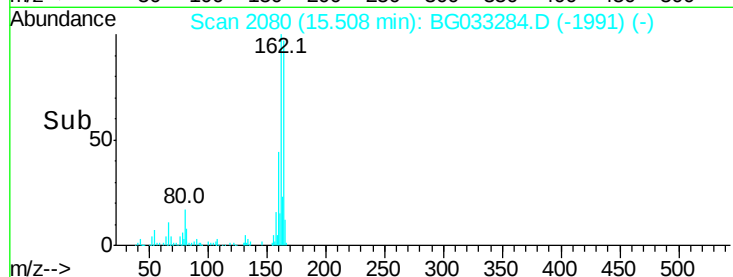
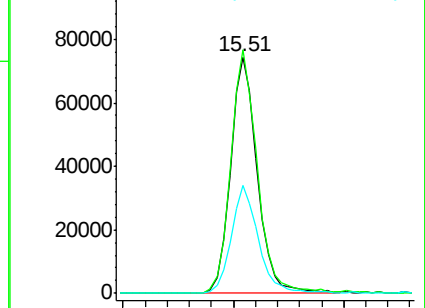
160 45.7 35.4 53.0



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: 141.459 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

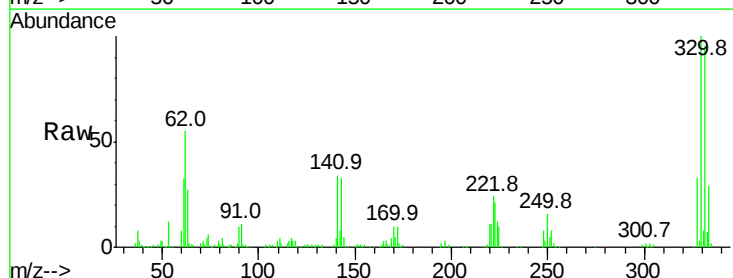
Tgt Ion:330 Resp: 266377

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

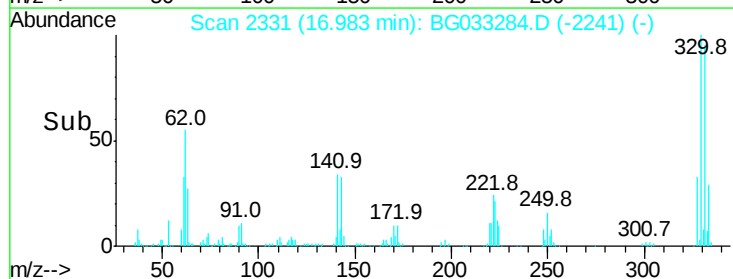
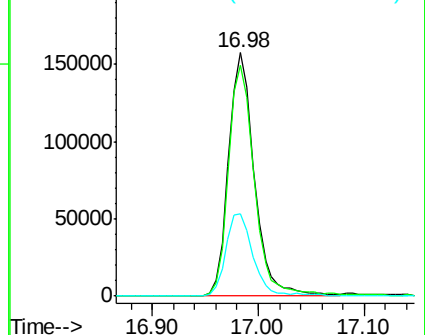
141 36.5 25.2 37.8

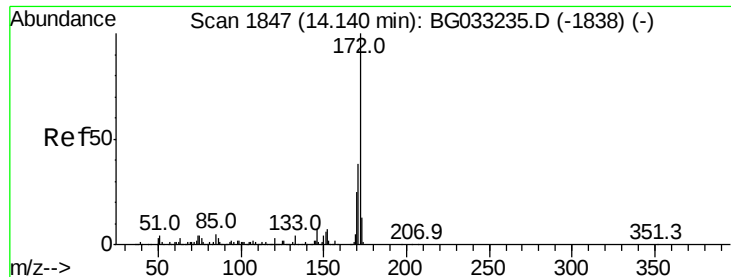


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

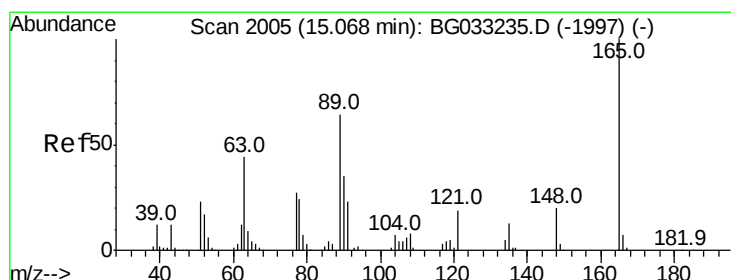
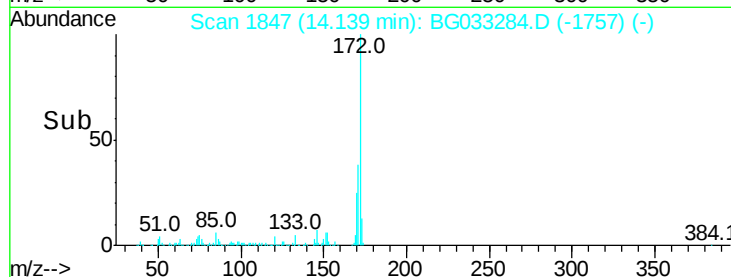
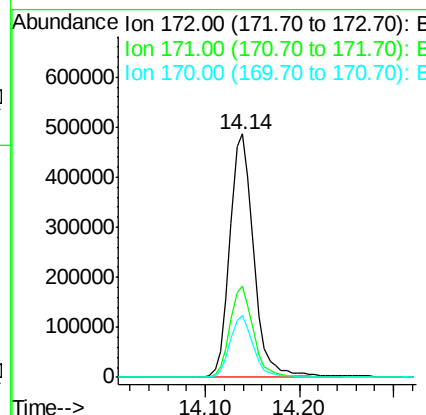
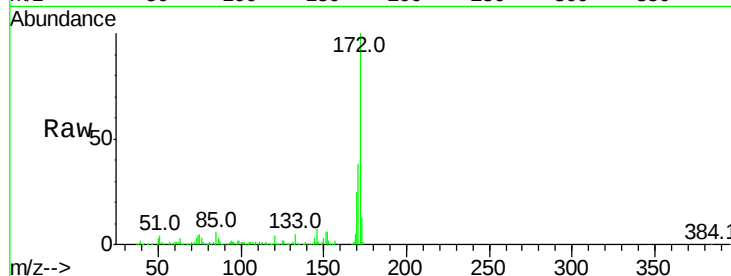




#44  
2-Fluorobiphenyl  
Concen: 98.758 ng  
RT: 14.14 min Scan# 1847  
Delta R.T. -0.00 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

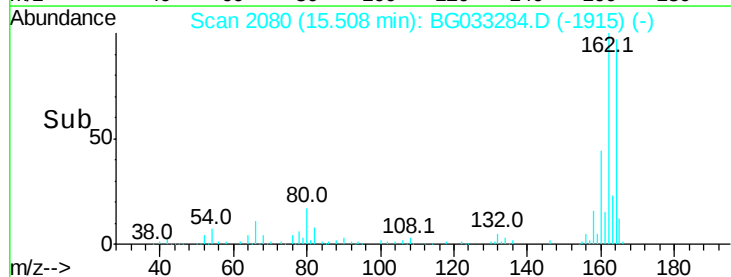
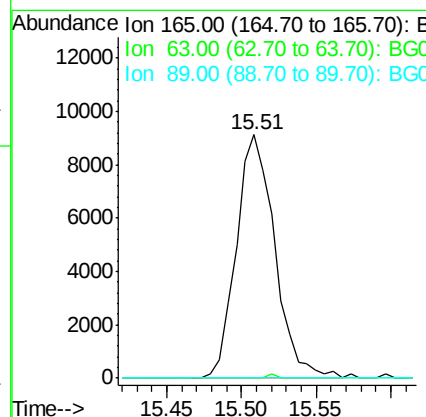
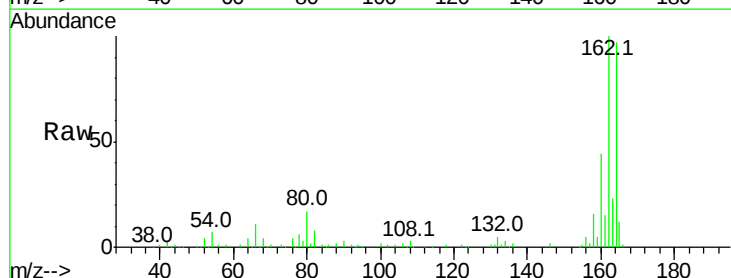
Instrument :  
BNA\_F  
ClientSampleId :

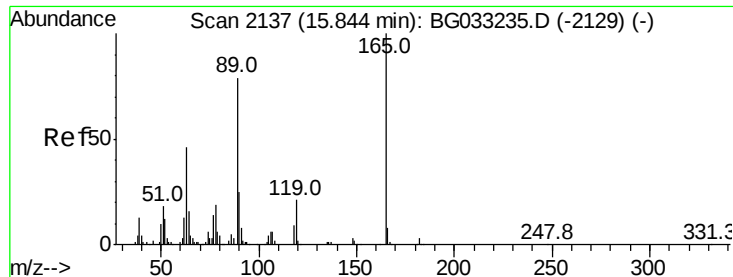
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 30.0  | 45.0  |
| 170     | 25.3  | 19.5  | 29.3  |



#50  
2,6-Dinitrotoluene  
Concen: 7.299 ng  
RT: 15.51 min Scan# 2080  
Delta R.T. 0.44 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |

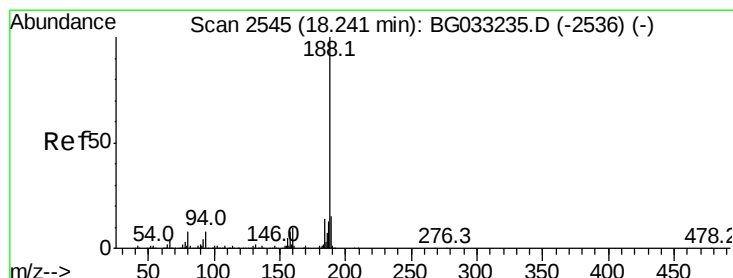
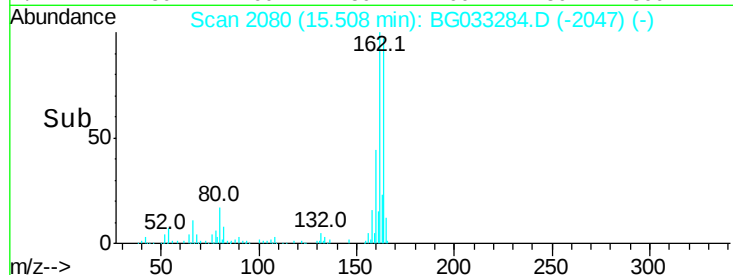
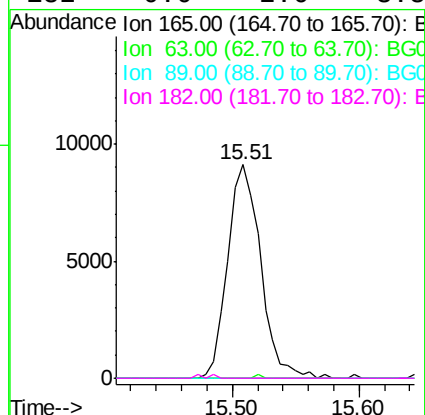
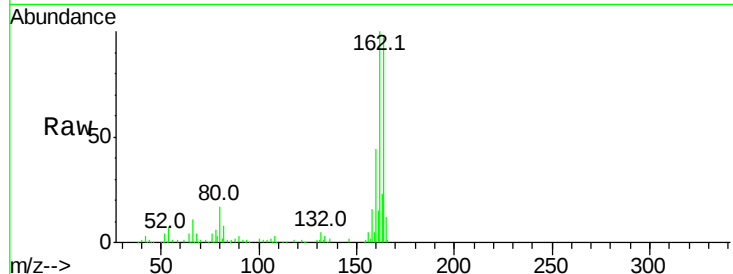




#56  
2,4-Dinitrotoluene  
Concen: 4.974 ng  
RT: 15.51 min Scan# 2080  
Delta R.T. -0.33 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

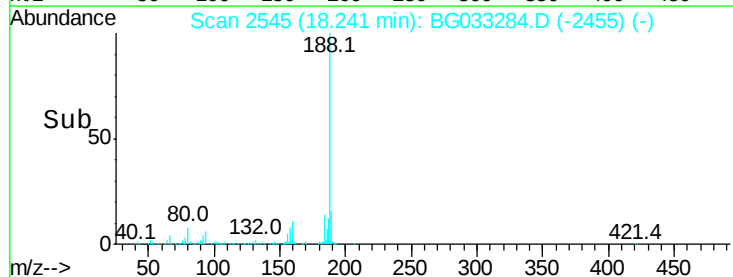
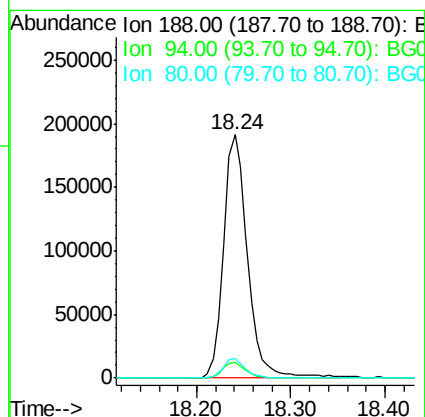
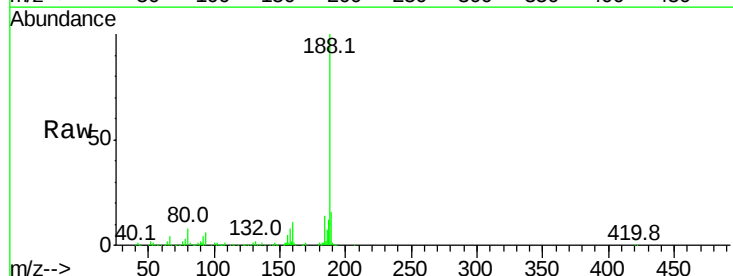
Instrument :  
BNA\_F  
ClientSampleId :

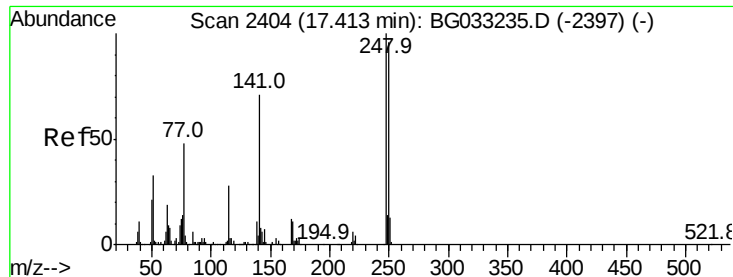
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 42.0  | 63.0#  |
| 89      | 0.0   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.24 min Scan# 2545  
Delta R.T. -0.00 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 6.9   | 10.3# |
| 80      | 8.1   | 7.7   | 11.5  |

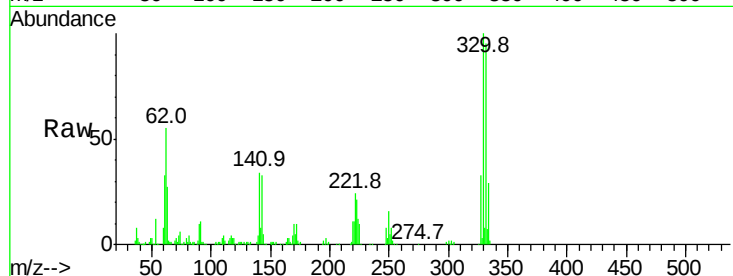




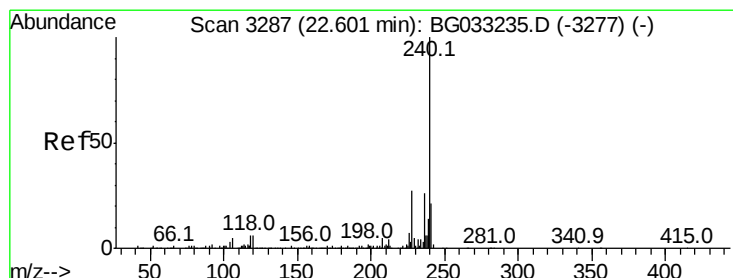
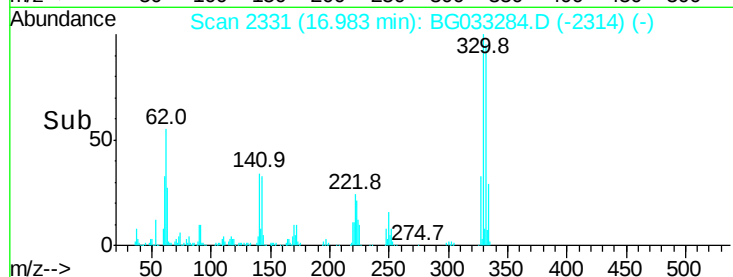
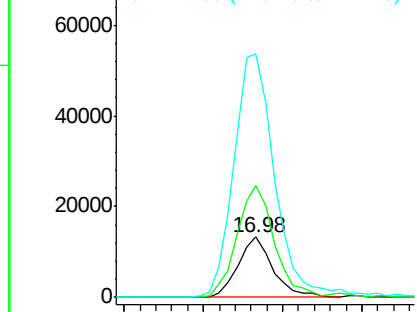
#66  
4-Bromophenyl-phenylether  
Concen: 5.071 ng  
RT: 16.98 min Scan# 2331  
Delta R.T. -0.43 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 20203  
Ion Ratio Lower Upper  
248 100  
250 187.2 77.1 115.7#  
141 405.7 50.8 76.2#

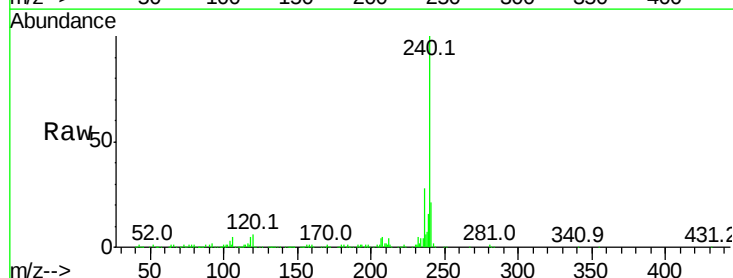


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

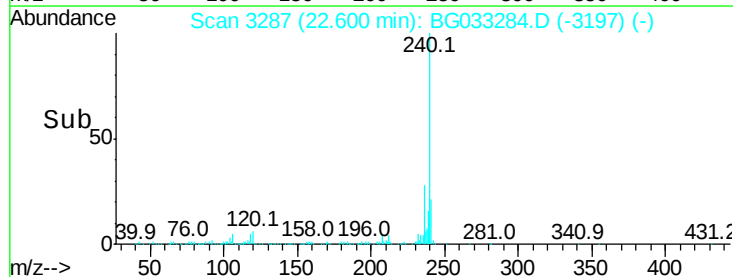
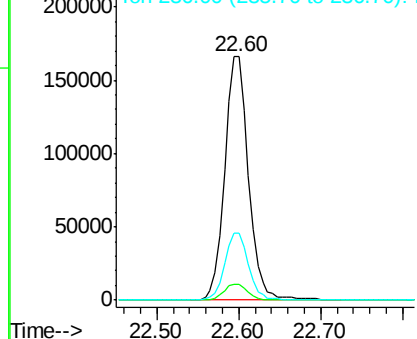


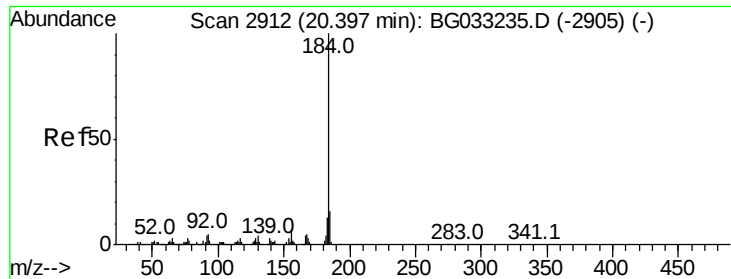
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.60 min Scan# 3287  
Delta R.T. -0.00 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

Tgt Ion:240 Resp: 335531  
Ion Ratio Lower Upper  
240 100  
120 6.3 6.8 10.2#  
236 27.5 20.9 31.3



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: 2.979 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

Instrument :

BNA\_F

ClientSampled :

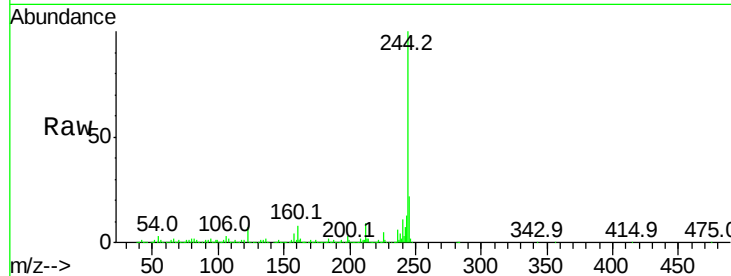
Tot Ion:184 Resp: 27103

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

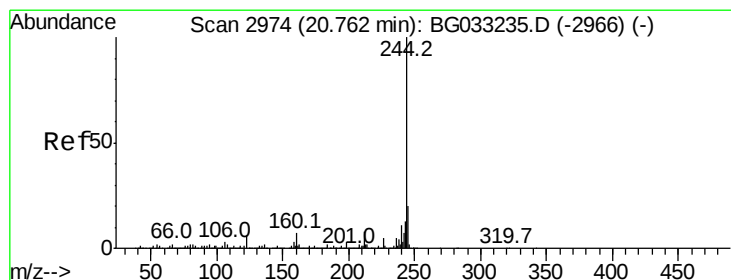
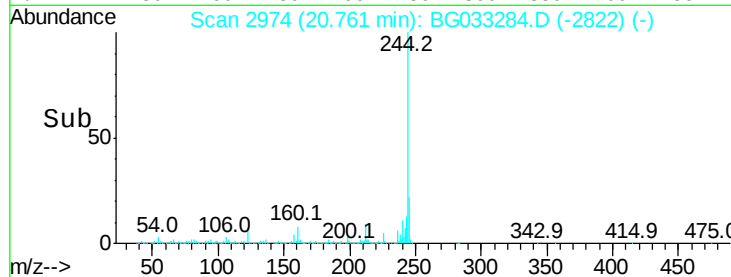
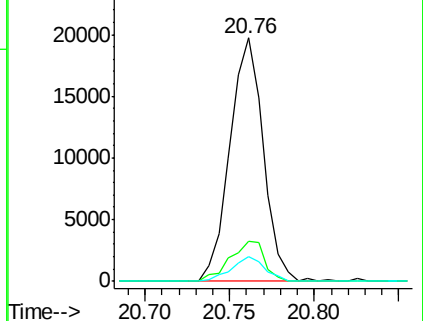
183 10.3 10.6 16.0#



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: 105.138 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033284.D

Acq: 21 Mar 2018 2:42

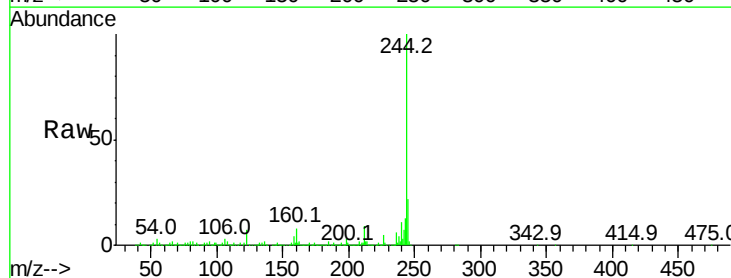
Tgt Ion:244 Resp: 1649537

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

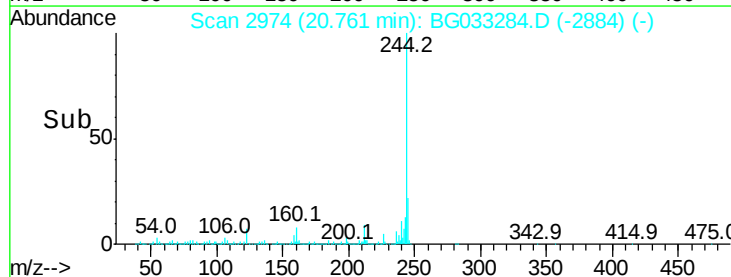
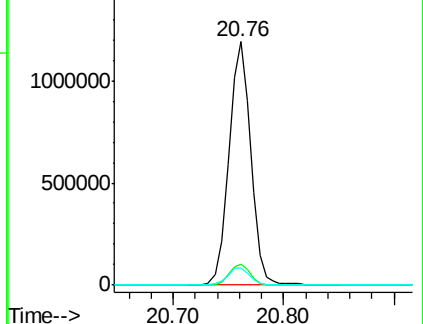
122 7.1 7.0 10.4

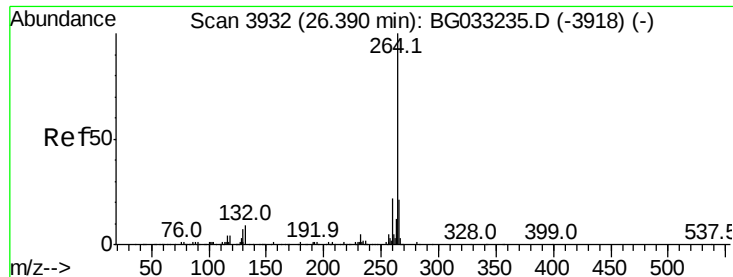


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.40 min Scan# 3933  
Delta R.T. -0.00 min  
Lab File: BG033284.D  
Acq: 21 Mar 2018 2:42

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 17.4  | 26.0  |
| 265     | 20.9  | 17.7  | 26.5  |

