

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
 Data File : BF085745.D  
 Acq On : 25 Mar 2016 6:35  
 Operator : UM/SJ  
 Sample : H1884-16  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01(4-5)

Quant Time: Mar 25 06:11:07 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 24 14:15:39 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 112669   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 422293   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.86  | 164  | 188125   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.35 | 188  | 268701   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.98 | 240  | 212196   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.41 | 264  | 208267   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.43  | 112 | 894344  | 132.20 | ng | 0.02 |
| 7) Phenol-d6                | 6.47  | 99  | 1146828 | 133.33 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 728596  | 97.16  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330 | 202866  | 113.50 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.19  | 172 | 997680  | 88.60  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.93 | 244 | 526397  | 51.02  | ng | 0.00 |

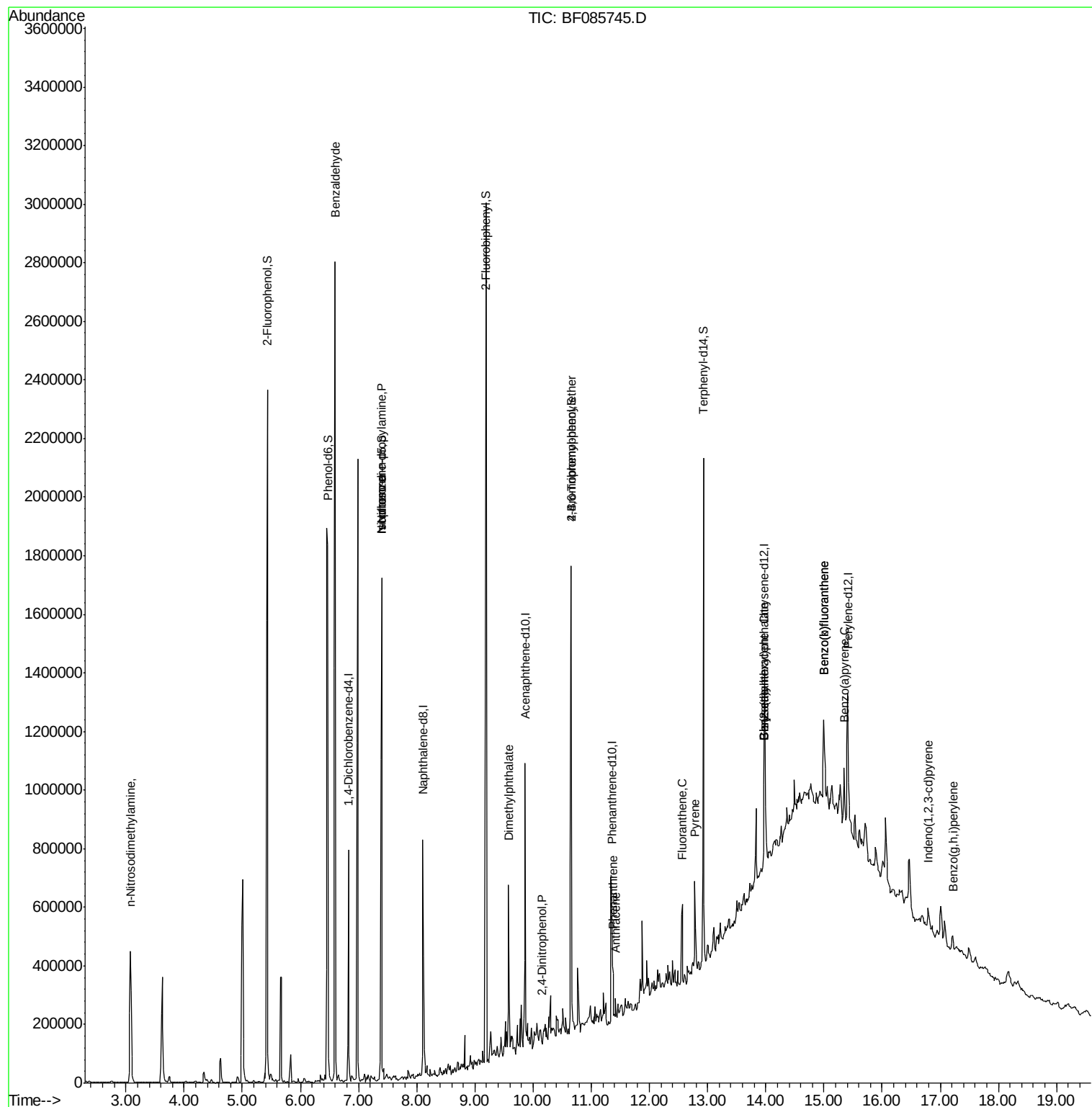
|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 4) n-Nitrosodimethylamine      | 3.08  | 42  | 20947  | 6.76  | ng | # 1    |
| 9) Benzaldehyde                | 6.60  | 77  | 19763  | 3.81  | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 97782  | 18.99 | ng | # 74   |
| 25) Isophorone                 | 7.40  | 82  | 705552 | 48.84 | ng | # 68   |
| 49) Dimethylphthalate          | 9.58  | 163 | 207921 | 14.57 | ng | 99     |
| 53) 2,4-Dinitrophenol          | 10.15 | 184 | 519    | 6.35  | ng | # 9    |
| 66) 4-Bromophenyl-phenylether  | 10.65 | 248 | 13875  | 5.05  | ng | # 1    |
| 70) Phenanthrene               | 11.37 | 178 | 102424 | 7.42  | ng | 99     |
| 71) Anthracene                 | 11.42 | 178 | 39121  | 2.70  | ng | 97     |
| 74) Fluoranthene               | 12.56 | 202 | 155902 | 10.63 | ng | 89     |
| 77) Pyrene                     | 12.78 | 202 | 159755 | 9.16  | ng | 98     |
| 80) Benzo(a)anthracene         | 13.97 | 228 | 100363 | 8.29  | ng | 95     |
| 82) Chrysene                   | 13.97 | 228 | 100363 | 8.23  | ng | 96     |
| 83) Bis(2-ethylhexyl)phthalate | 13.97 | 149 | 28535  | 3.26  | ng | # 91   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.79 | 276 | 39904  | 4.24  | ng | 98     |
| 87) Benzo(b)fluoranthene       | 15.00 | 252 | 158839 | 12.11 | ng | # 87   |
| 88) Benzo(k)fluoranthene       | 15.00 | 252 | 158839 | 13.43 | ng | # 86   |
| 89) Benzo(a)pyrene             | 15.35 | 252 | 71251  | 6.12  | ng | # 82   |
| 91) Benzo(g,h,i)perylene       | 17.21 | 276 | 37659  | 3.44  | ng | 94     |

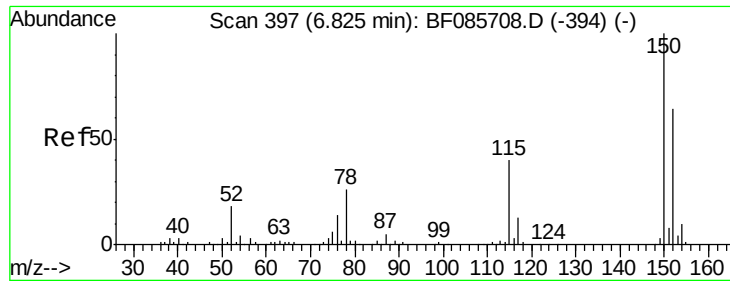
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

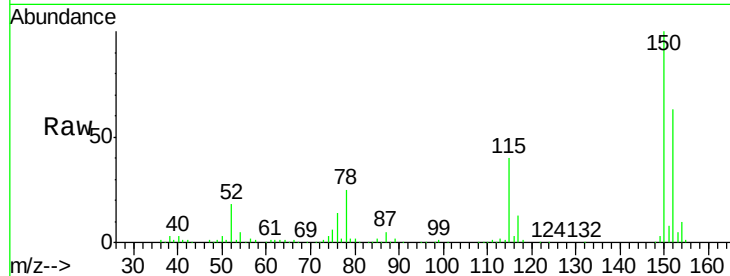
Tgt Ion:152 Resp: 112669

Ion Ratio Lower Upper

152 100

150 157.5 124.2 186.2

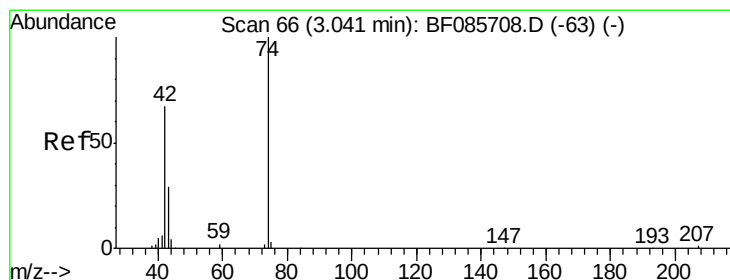
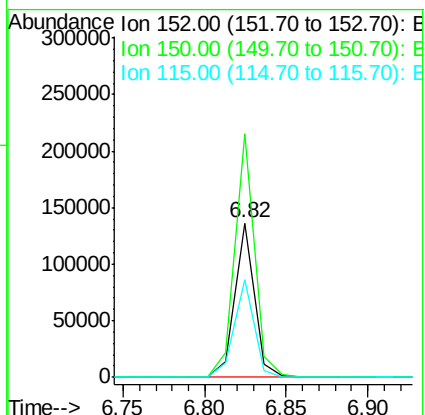
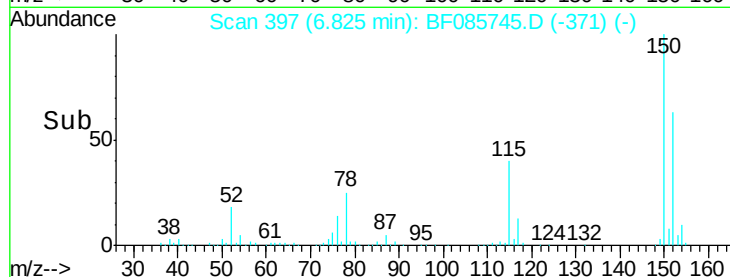
115 62.8 47.0 70.6



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



#4

n-Nitrosodimethylamine

Concen: 6.76 ng

RT: 3.08 min Scan# 69

Delta R.T. 0.03 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

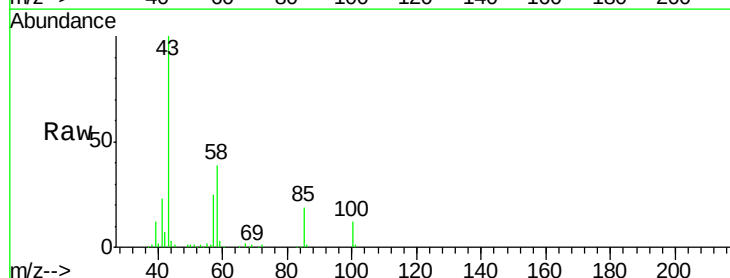
Tgt Ion: 42 Resp: 20947

Ion Ratio Lower Upper

42 100

74 0.0 121.4 182.2#

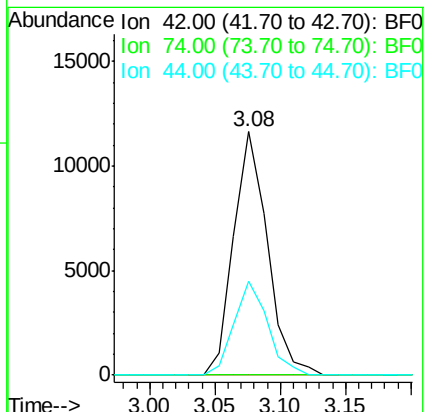
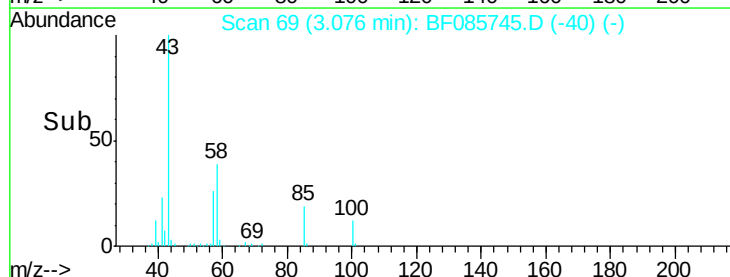
44 38.4 5.6 8.4#

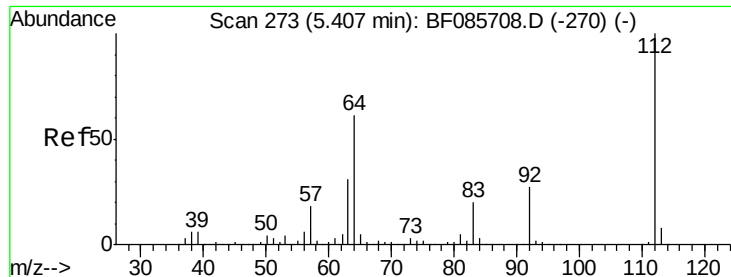


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 132.20 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

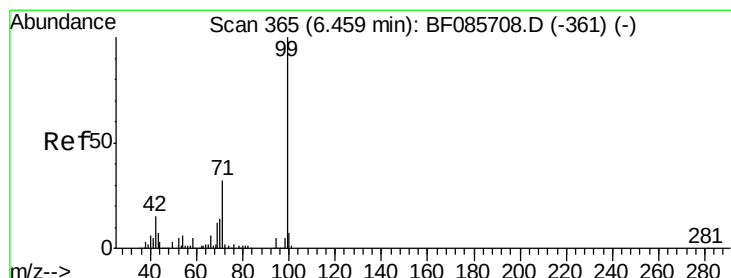
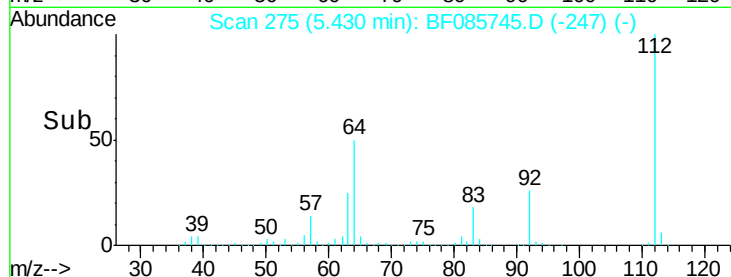
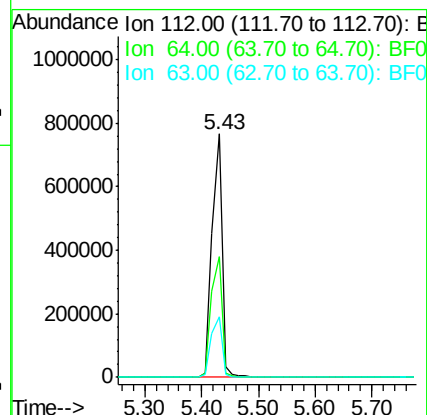
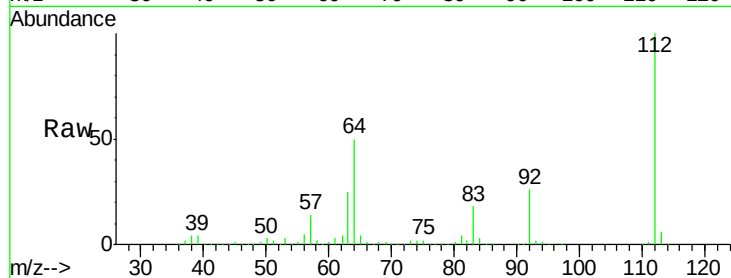
Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 894344 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 49.8  | 39.9  | 59.9   |
| 63       | 25.1  | 20.2  | 30.2   |



#7

Phenol-d6

Concen: 133.33 ng

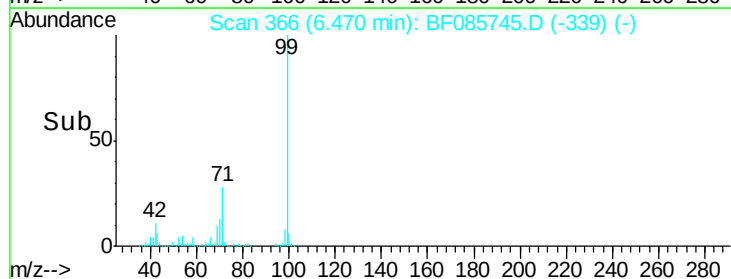
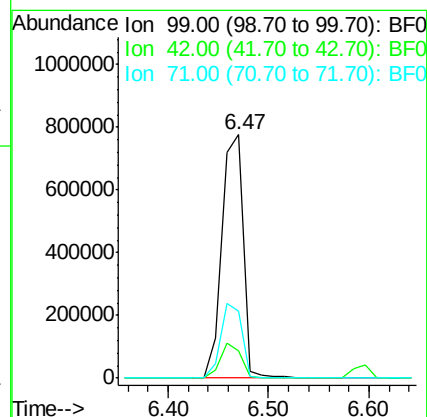
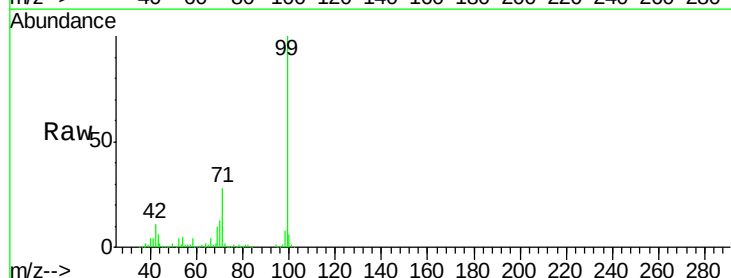
RT: 6.47 min Scan# 366

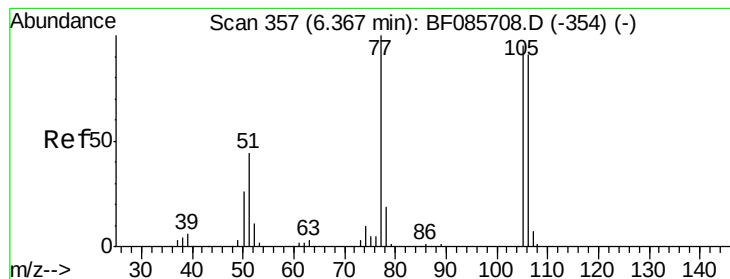
Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1146828 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 11.0  | 11.1  | 16.7#   |
| 71       | 27.7  | 24.9  | 37.3    |





#9

Benzaldehyde

Concen: 3.81 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

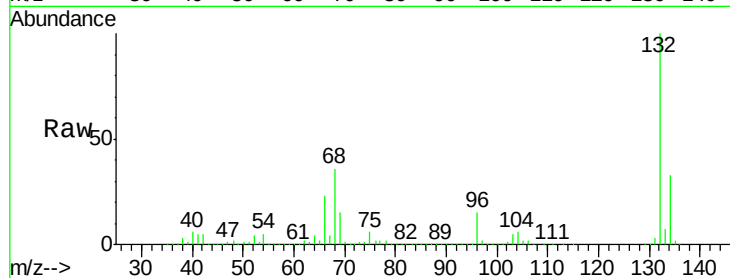
Tgt Ion: 77 Resp: 19763

Ion Ratio Lower Upper

77 100

105 86.3 80.1 120.1

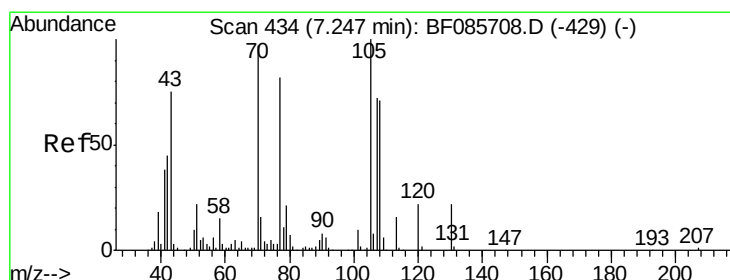
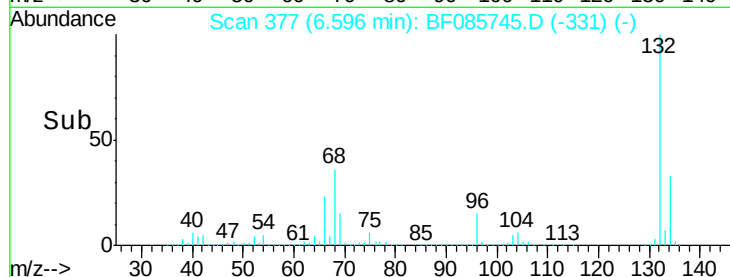
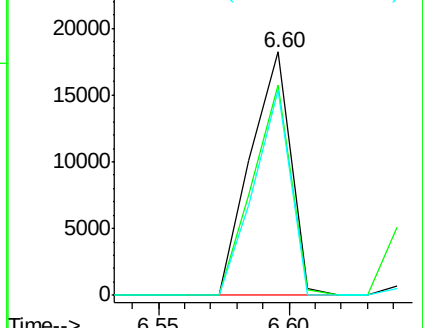
106 84.3 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.99 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Tgt Ion: 70 Resp: 97782

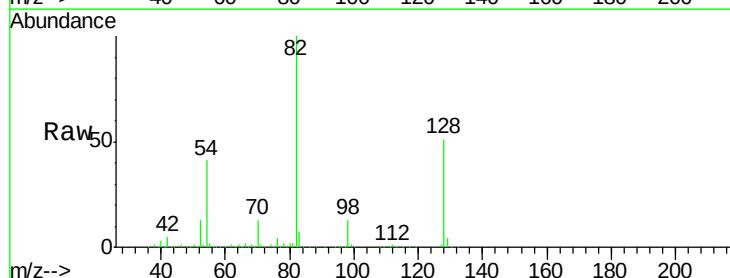
Ion Ratio Lower Upper

70 100

42 36.5 37.1 55.7#

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

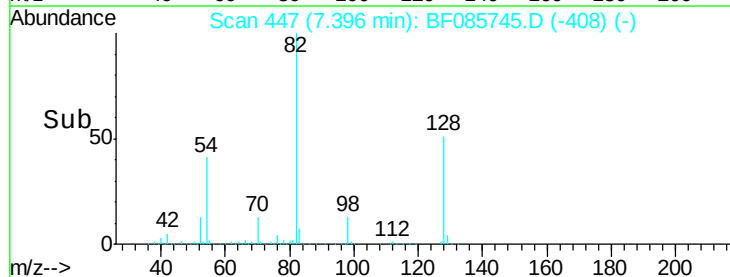
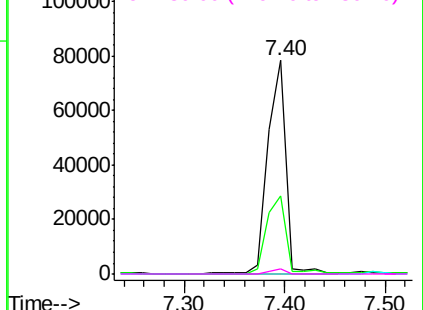


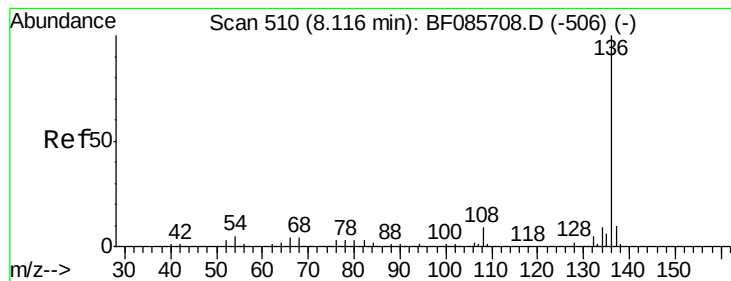
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

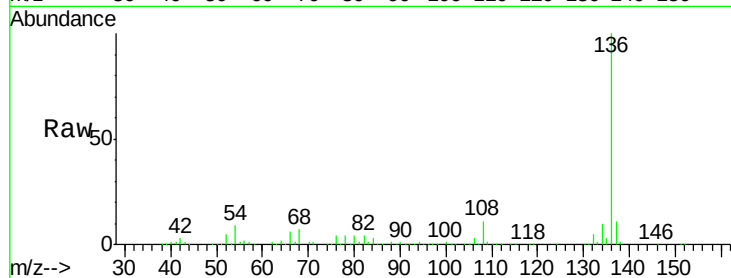




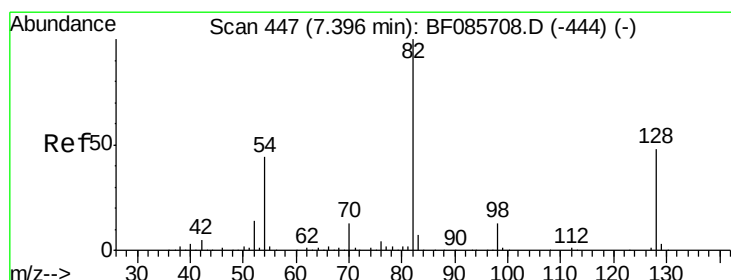
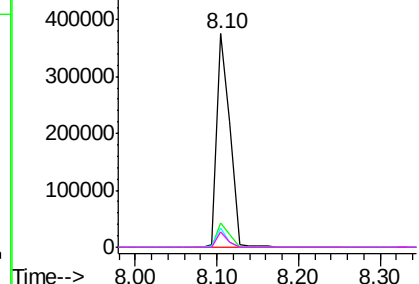
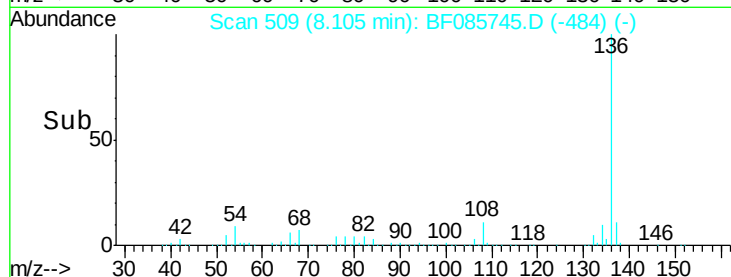
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.10 min Scan# 509  
Delta R.T. -0.01 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(4-5)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 422293 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.1   | 13.7   |
| 54       | 8.9   | 7.4   | 11.0   |
| 68       | 7.4   | 5.8   | 8.8    |

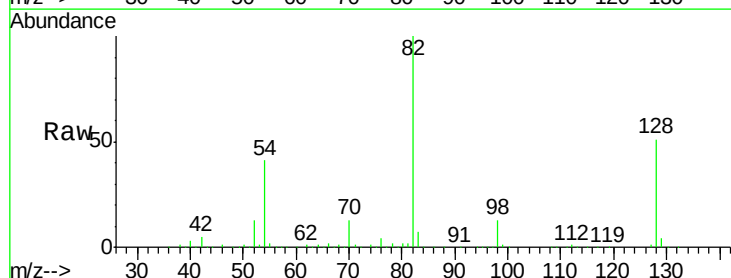


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

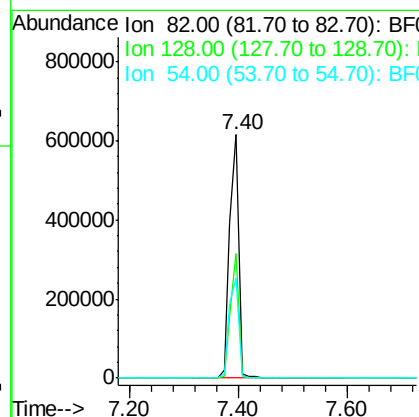
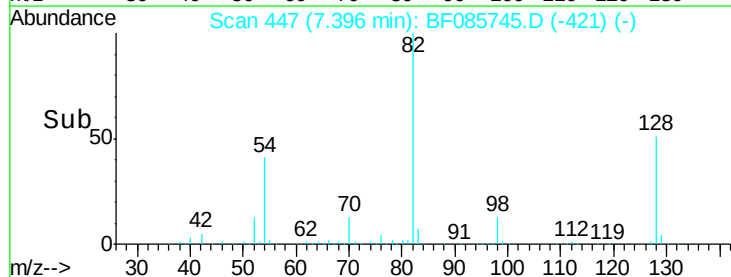


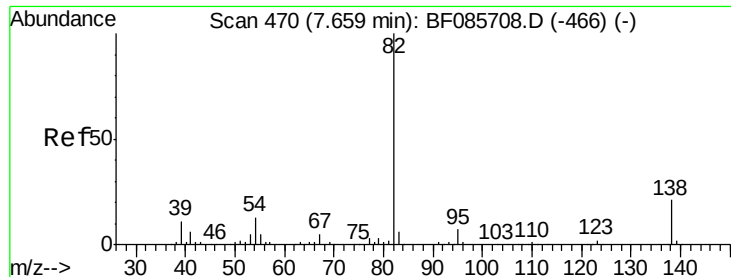
#23  
Nitrobenzene-d5  
Concen: 97.16 ng  
RT: 7.40 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 728596 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 51.1  | 41.8  | 62.8   |
| 54       | 41.3  | 33.4  | 50.0   |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 48.84 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.26 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampled :

GW-01(4-5)

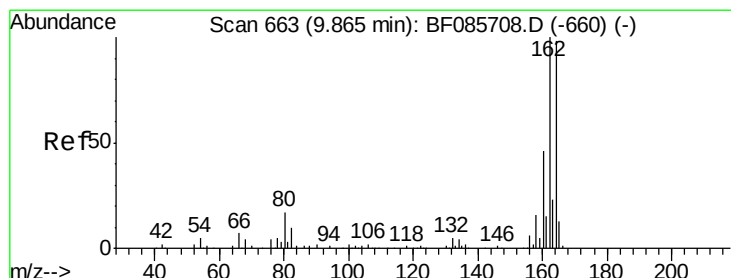
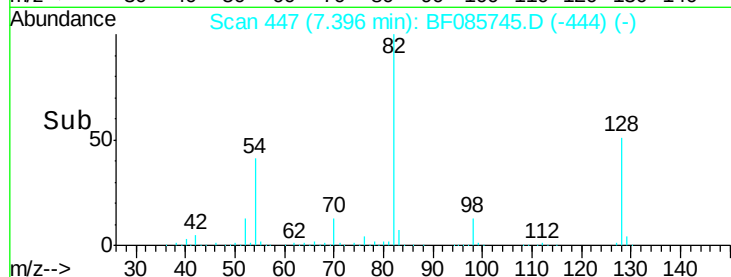
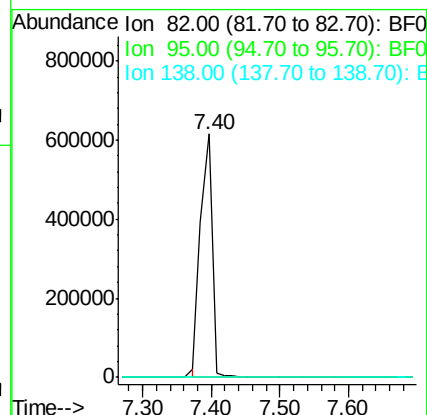
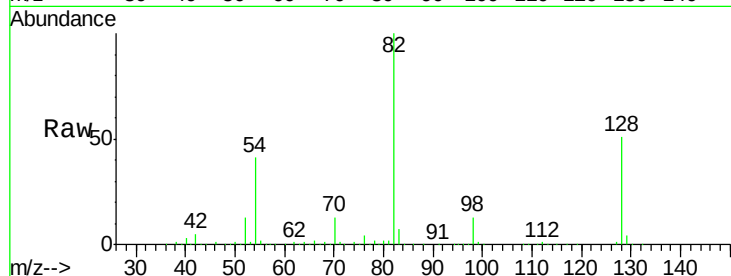
Tgt Ion: 82 Resp: 705552

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 12.9 19.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

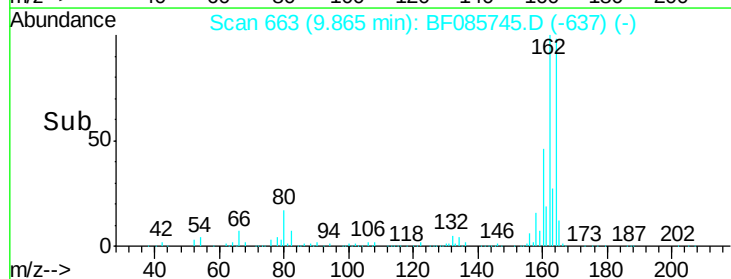
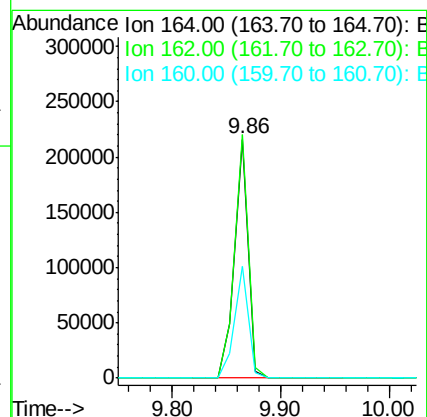
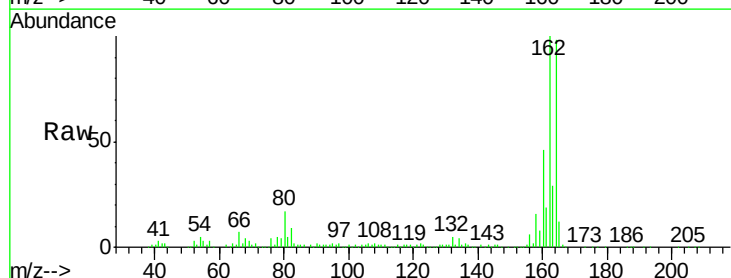
Tgt Ion: 164 Resp: 188125

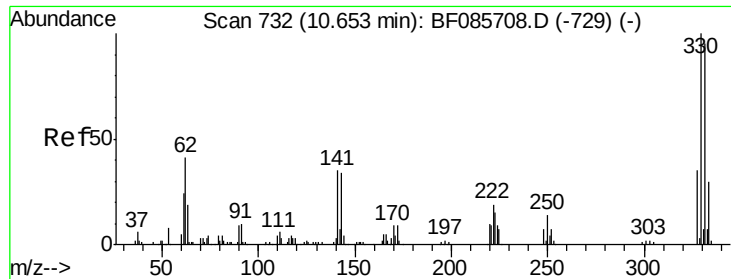
Ion Ratio Lower Upper

164 100

162 102.0 82.1 123.1

160 46.9 37.4 56.2

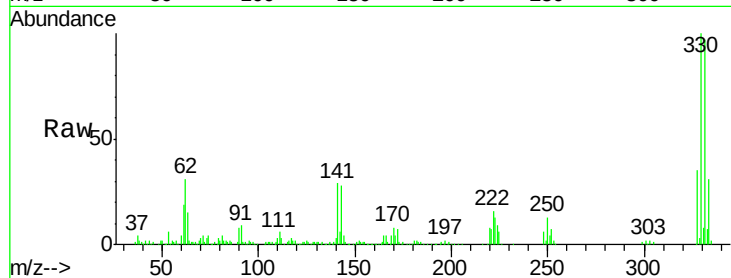




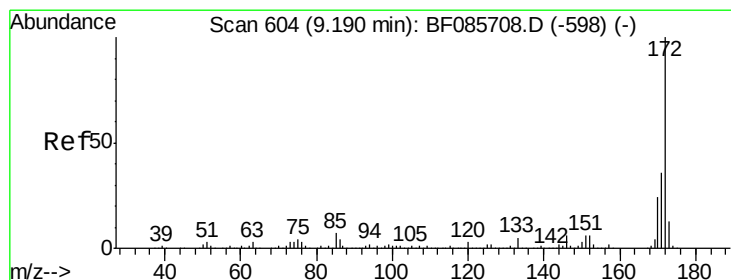
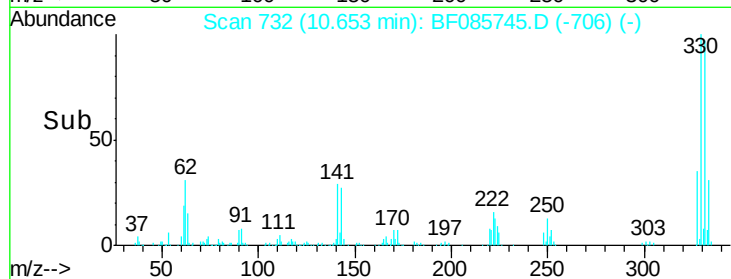
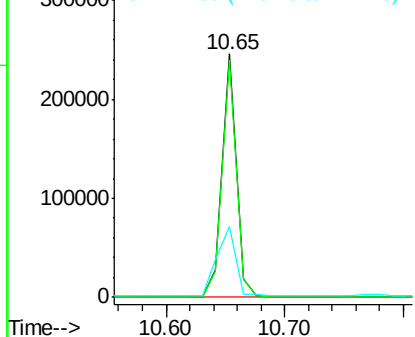
#41  
 2,4,6-Tribromophenol  
 Concen: 113.50 ng  
 RT: 10.65 min Scan# 732  
 Delta R.T. 0.00 min  
 Lab File: BF085745.D  
 Acq: 25 Mar 2016 6:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01(4-5)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 78.2  | 117.2 |
| 141     | 39.2  | 31.5  | 47.3  |

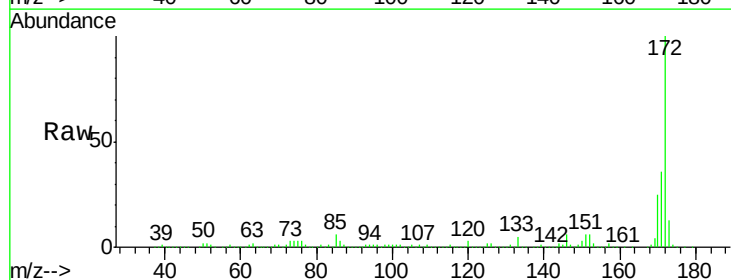


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

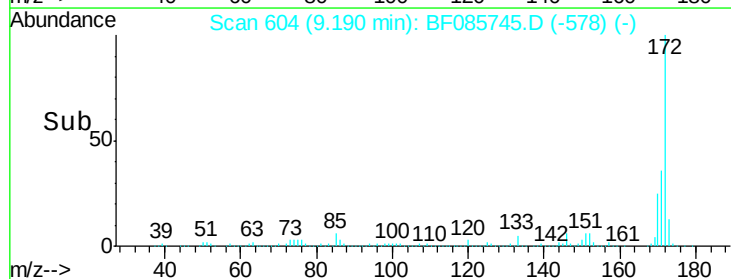
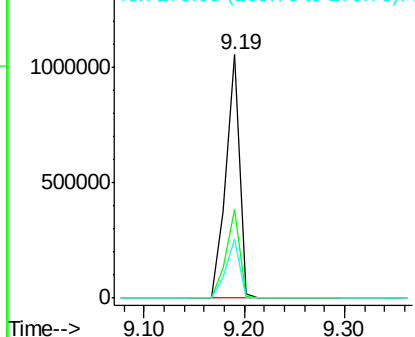


#44  
 2-Fluorobiphenyl  
 Concen: 88.60 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: BF085745.D  
 Acq: 25 Mar 2016 6:35

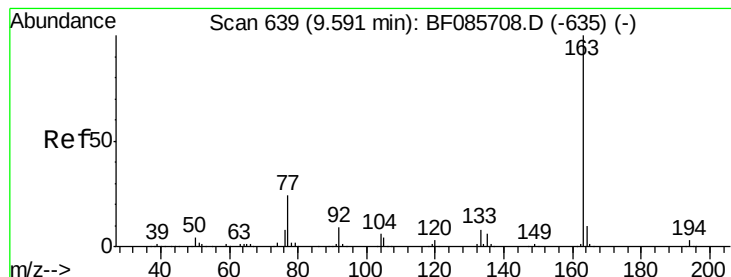
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.4  | 44.2  |
| 170     | 24.6  | 19.8  | 29.6  |



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: 14.57 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

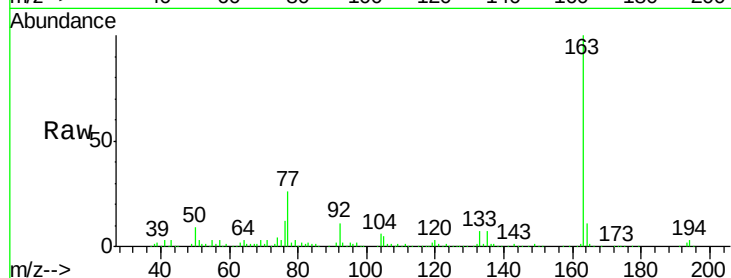
Tgt Ion:163 Resp: 207921

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

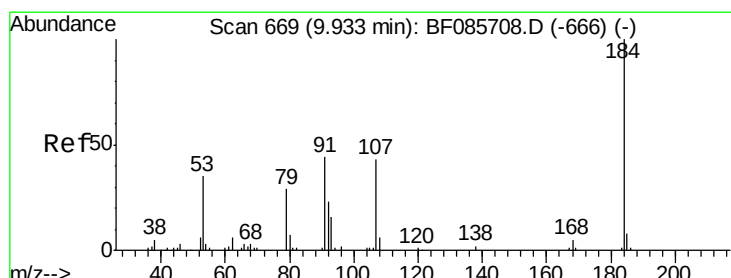
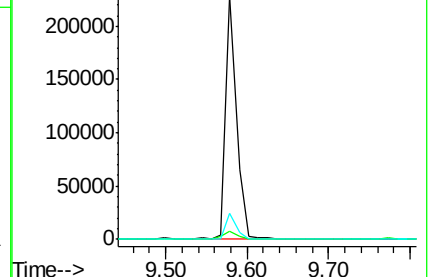
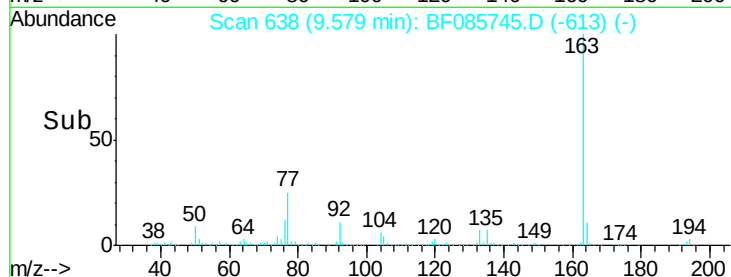
164 10.6 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 6.35 ng

RT: 10.15 min Scan# 688

Delta R.T. 0.22 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

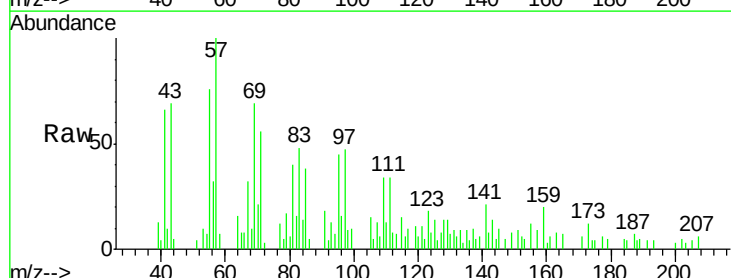
Tgt Ion:184 Resp: 519

Ion Ratio Lower Upper

184 100

63 0.0 69.5 104.3#

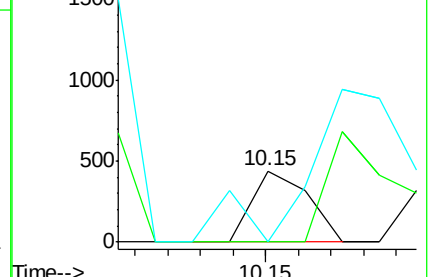
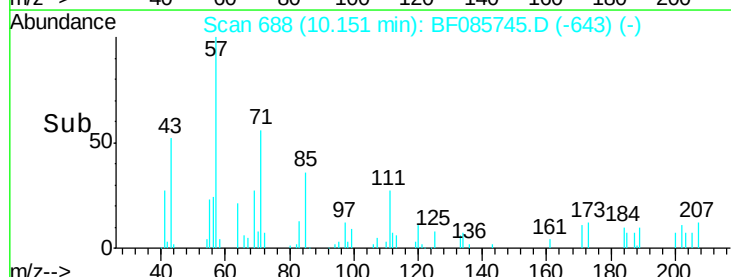
154 0.0 58.3 87.5#

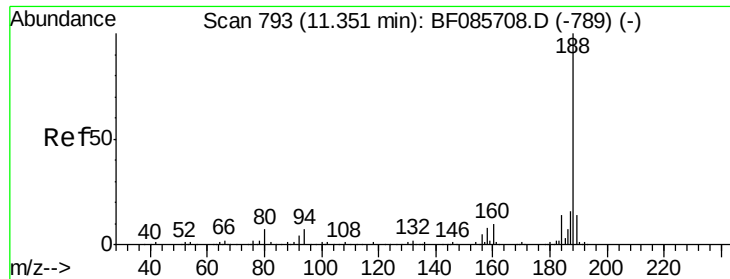


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

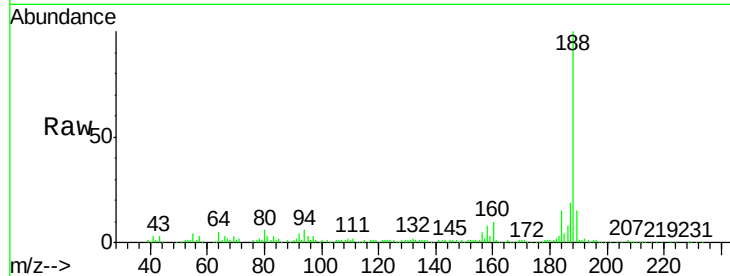




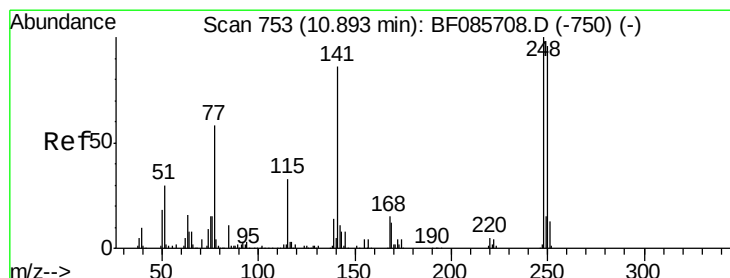
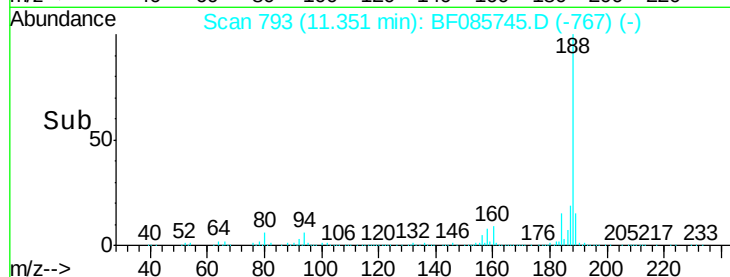
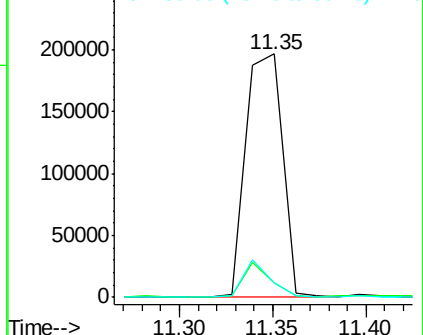
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.35 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(4-5)

Tgt Ion:188 Resp: 268701  
Ion Ratio Lower Upper  
188 100  
94 6.1 5.4 8.0  
80 6.1 5.5 8.3

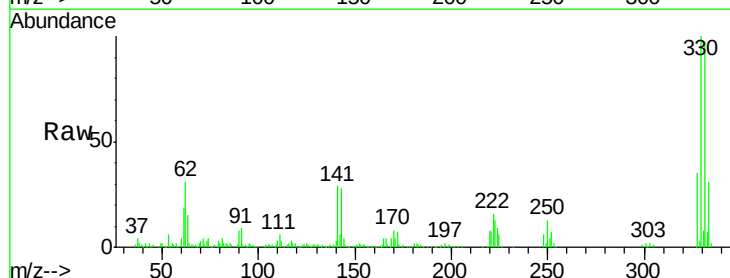


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

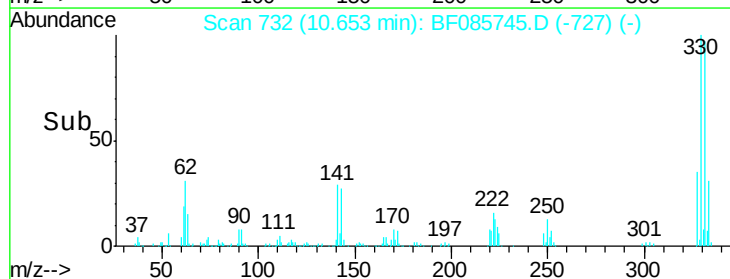
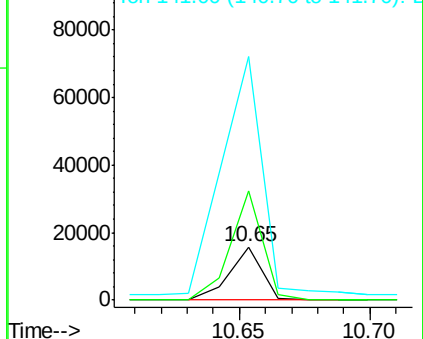


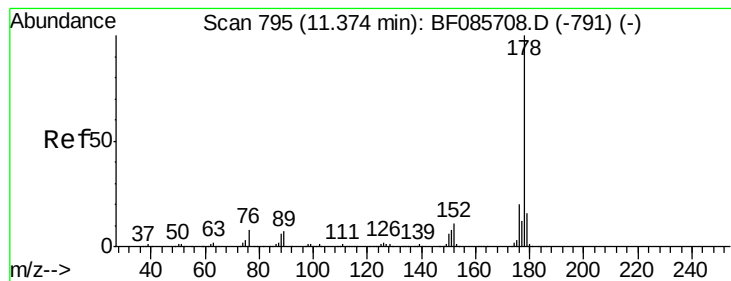
#66  
4-Bromophenyl-phenylether  
Concen: 5.05 ng  
RT: 10.65 min Scan# 732  
Delta R.T. -0.24 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

Tgt Ion:248 Resp: 13875  
Ion Ratio Lower Upper  
248 100  
250 204.4 77.4 116.0#  
141 457.4 63.6 95.4#



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





#70

Phenanthrene

Concen: 7.42 ng

RT: 11.37 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

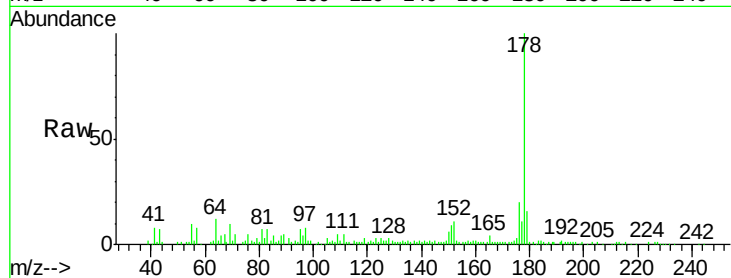
Tgt Ion:178 Resp: 102424

Ion Ratio Lower Upper

178 100

176 19.5 16.3 24.5

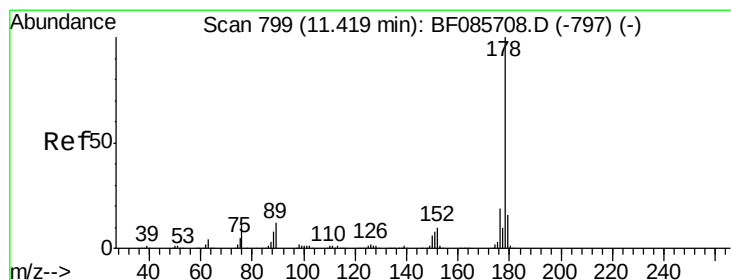
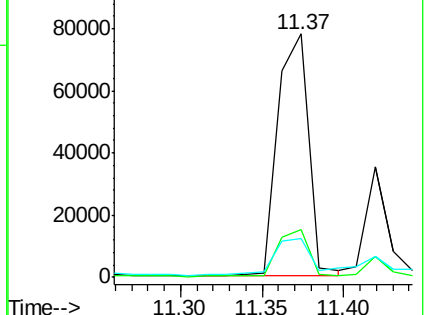
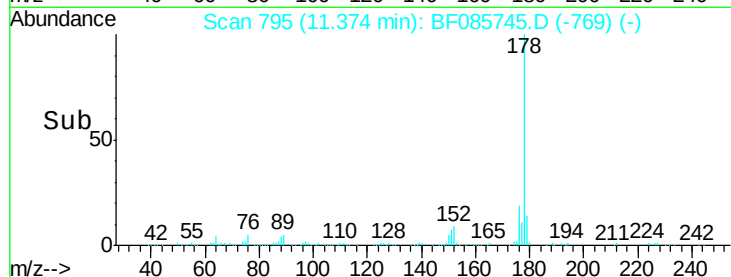
179 15.9 12.6 18.8



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: 2.70 ng

RT: 11.42 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

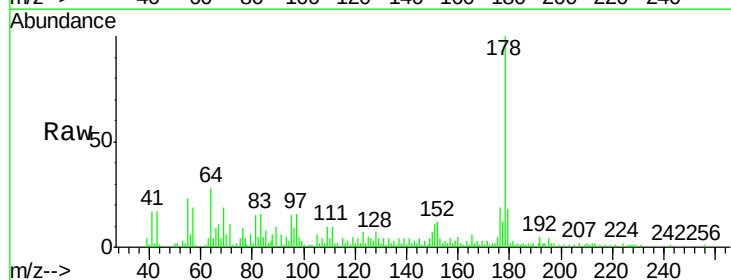
Tgt Ion:178 Resp: 39121

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

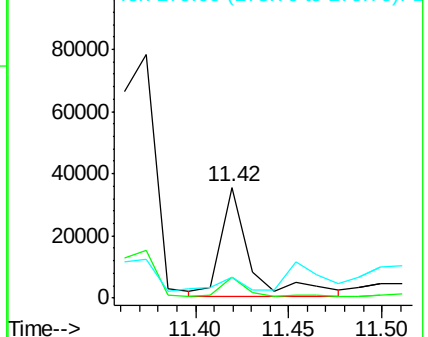
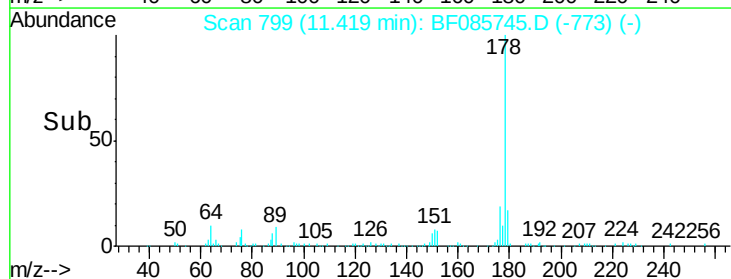
179 18.4 13.0 19.4

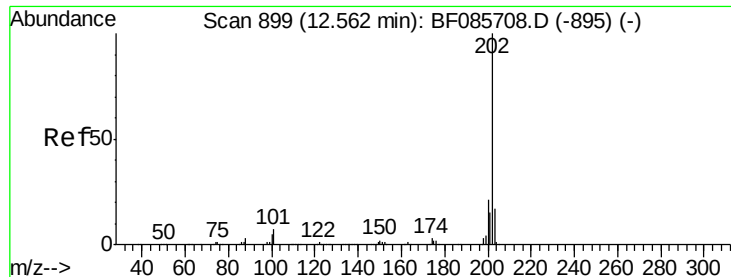


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

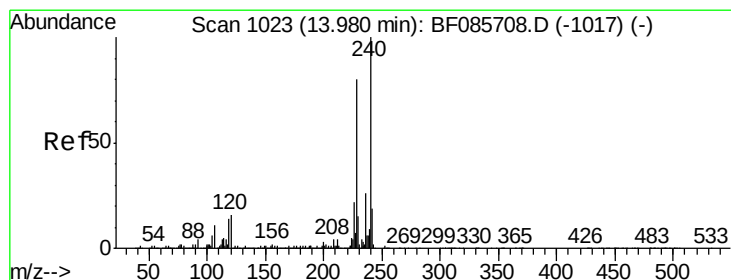
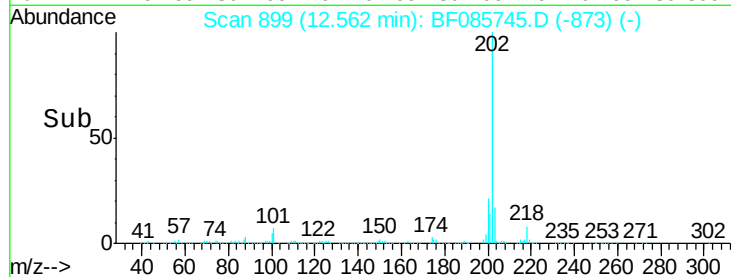
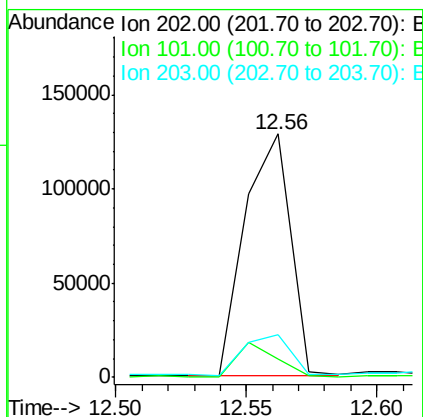
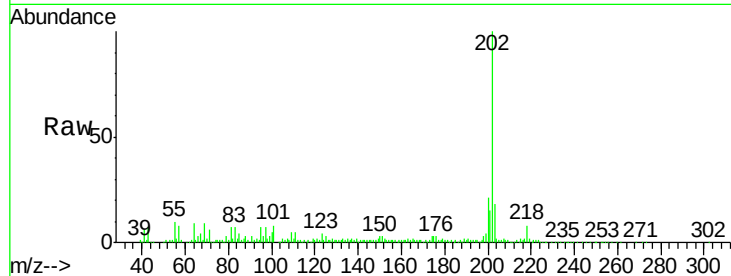




#74  
 Fluoranthene  
 Concen: 10.63 ng  
 RT: 12.56 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: BF085745.D  
 Acq: 25 Mar 2016 6:35

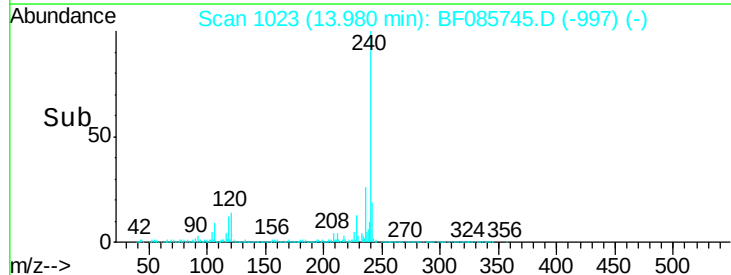
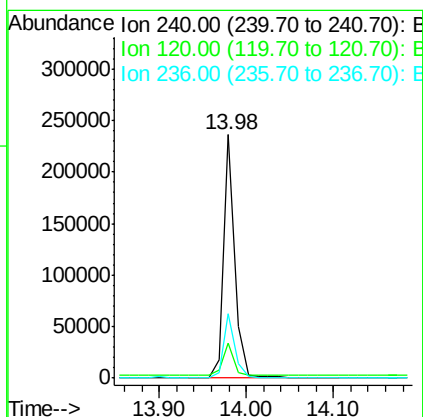
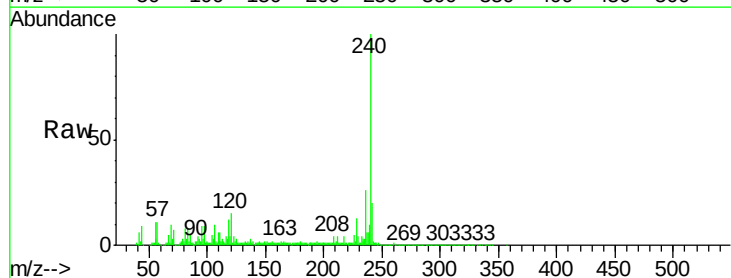
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01(4-5)

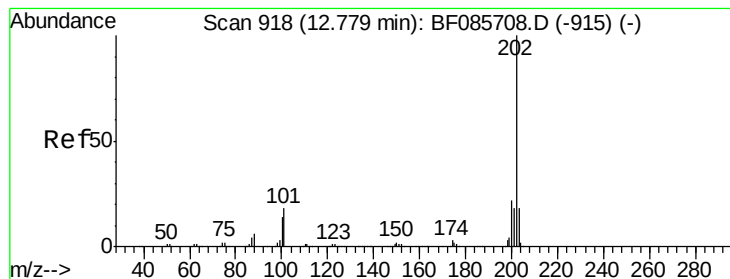
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 155902 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 7.5   | 0.0   | 36.6   |
| 203      | 17.7  | 0.0   | 38.1   |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.98 min Scan# 1023  
 Delta R.T. 0.00 min  
 Lab File: BF085745.D  
 Acq: 25 Mar 2016 6:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 212196 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 14.5  | 13.8  | 20.8   |
| 236      | 26.3  | 20.6  | 30.8   |





#77

Pyrene

Concen: 9.16 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

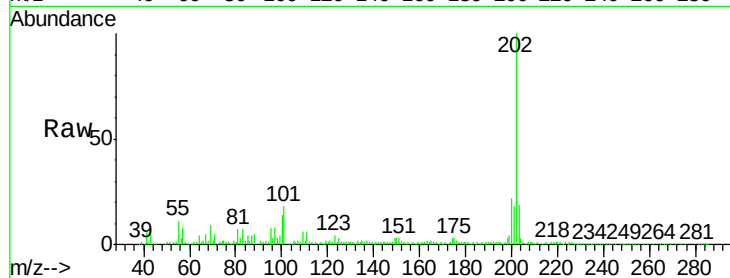
Tgt Ion:202 Resp: 159755

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

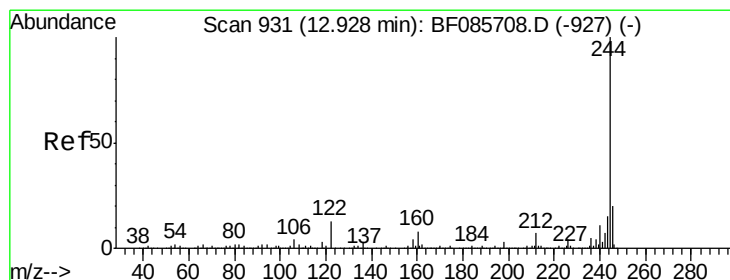
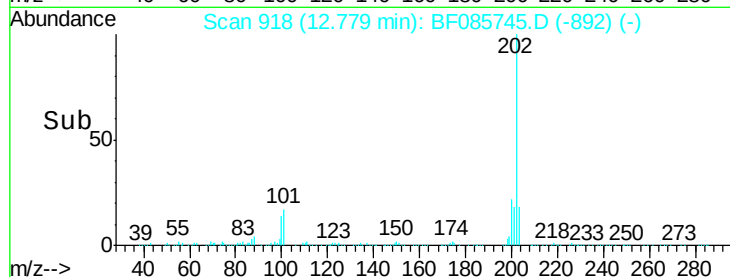
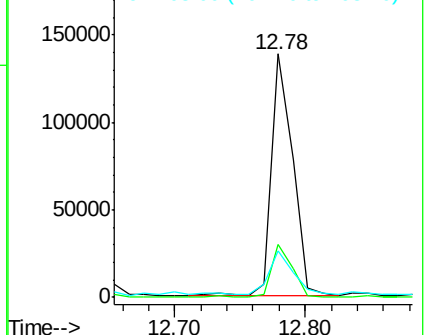
203 19.2 14.0 21.0



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



#78

Terphenyl-d14

Concen: 51.02 ng

RT: 12.93 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

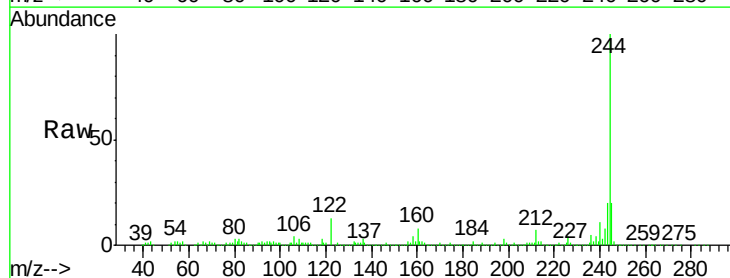
Tgt Ion:244 Resp: 526397

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

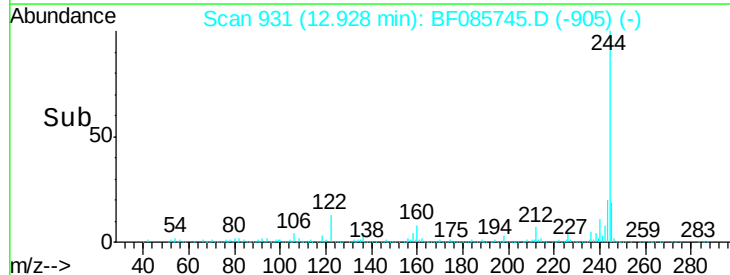
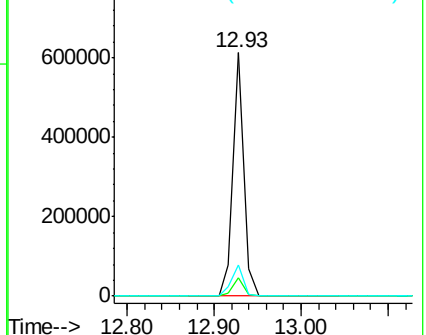
122 13.0 10.2 15.4

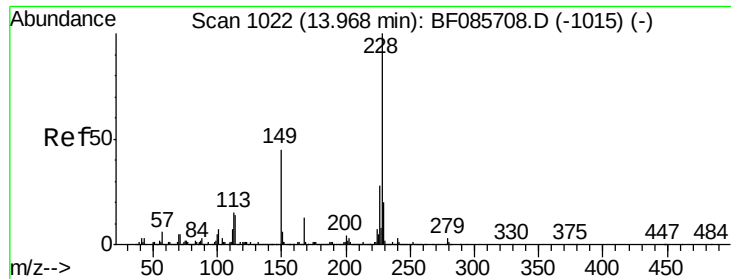


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.29 ng

RT: 13.97 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

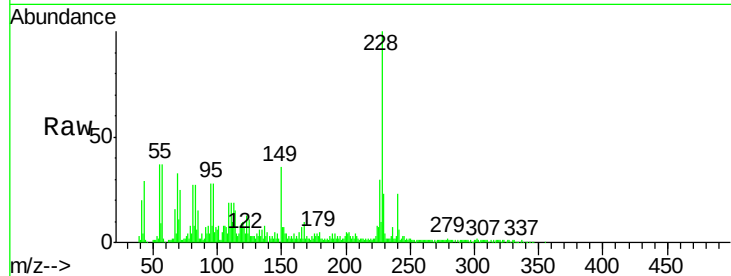
Tgt Ion:228 Resp: 100363

Ion Ratio Lower Upper

228 100

226 30.2 22.1 33.1

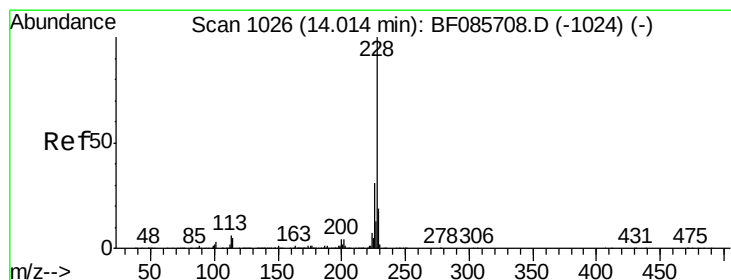
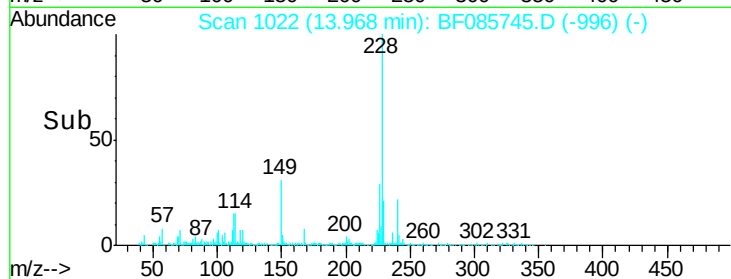
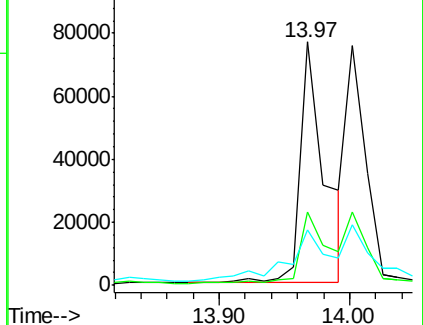
229 23.0 16.2 24.4



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



#82

Chrysene

Concen: 8.23 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.05 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

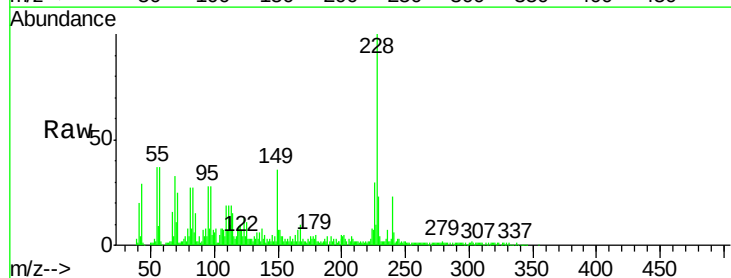
Tgt Ion:228 Resp: 100363

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

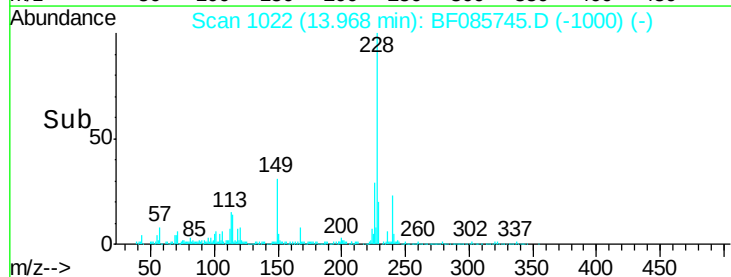
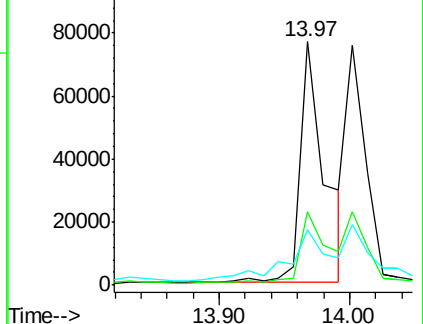
229 23.0 15.7 23.5

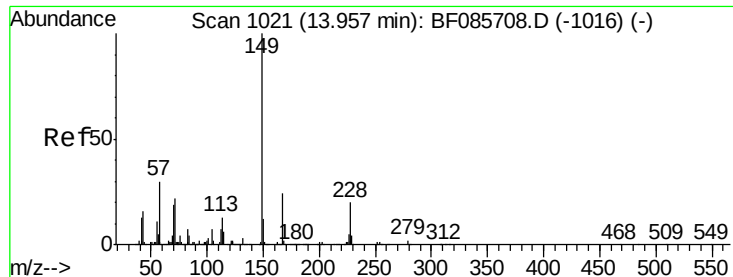


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.26 ng

RT: 13.97 min Scan# 1022

Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

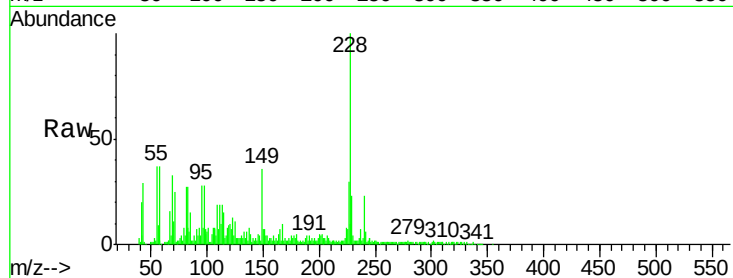
Tgt Ion:149 Resp: 28535

Ion Ratio Lower Upper

149 100

167 28.7 19.4 29.2

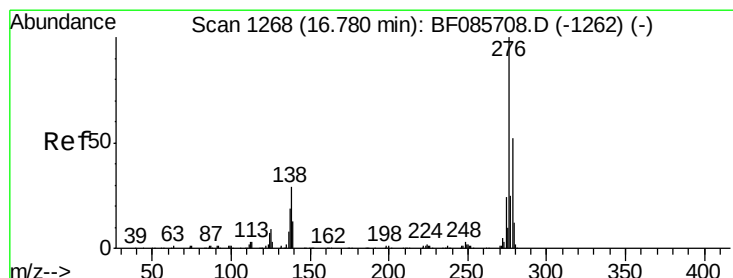
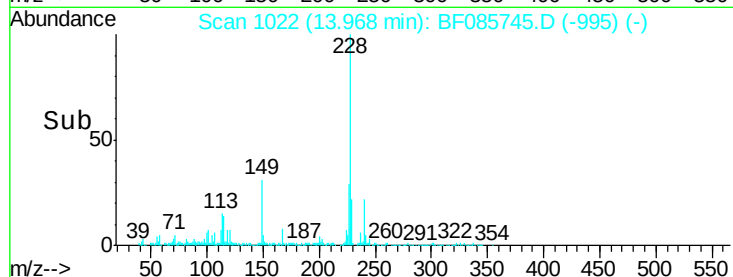
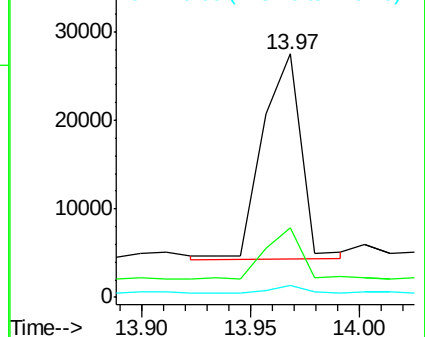
279 5.2 1.5 2.3#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.24 ng

RT: 16.79 min Scan# 1269

Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

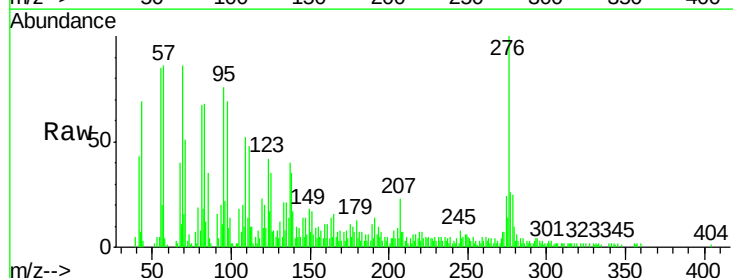
Tgt Ion:276 Resp: 39904

Ion Ratio Lower Upper

276 100

138 28.9 24.2 36.4

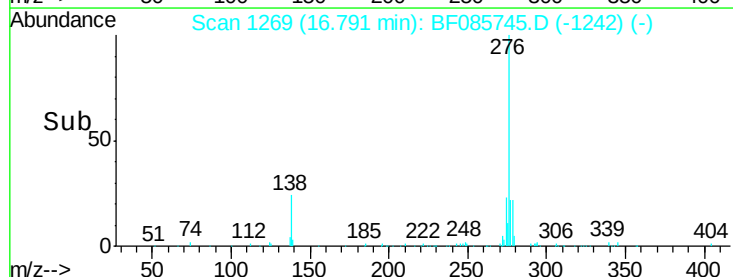
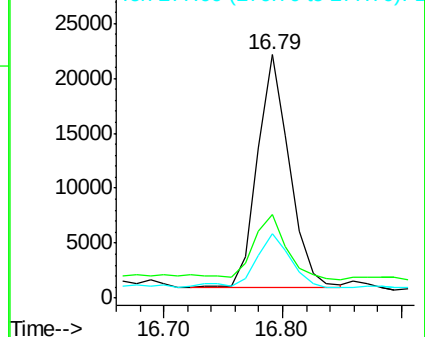
277 26.1 20.0 30.0

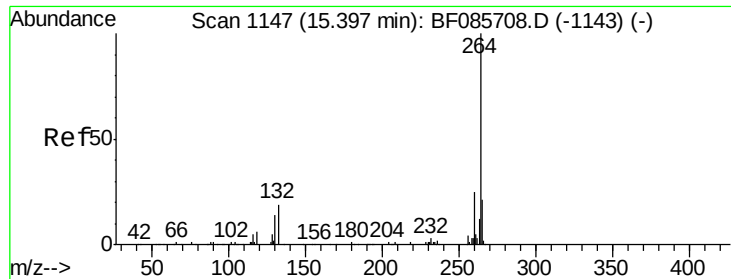


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



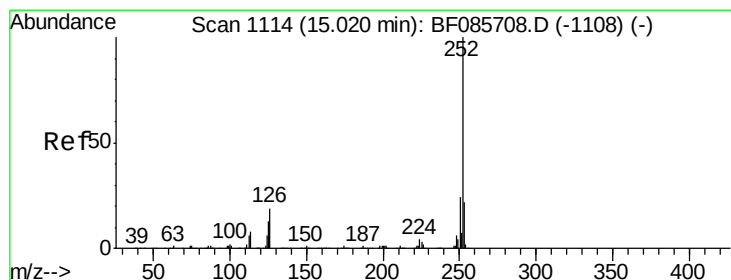
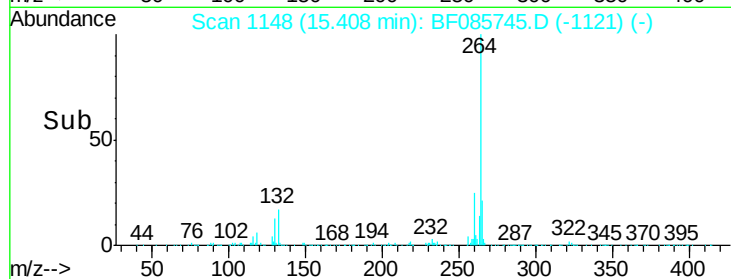
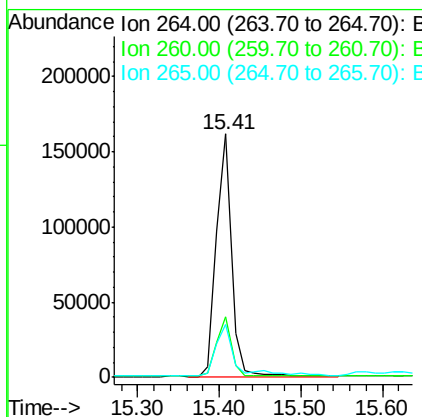
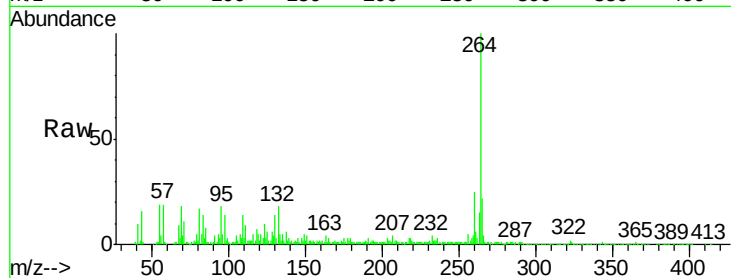


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.41 min Scan# 1148  
Delta R.T. 0.01 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(4-5)

Tgt Ion: 264 Resp: 208267  

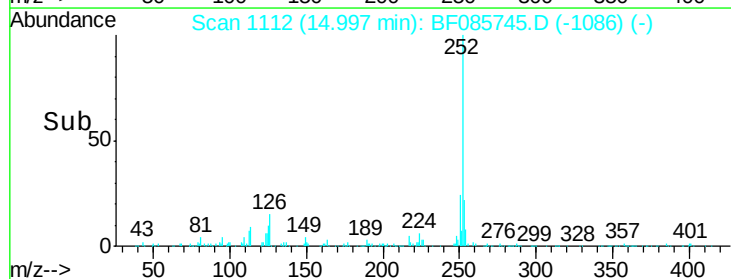
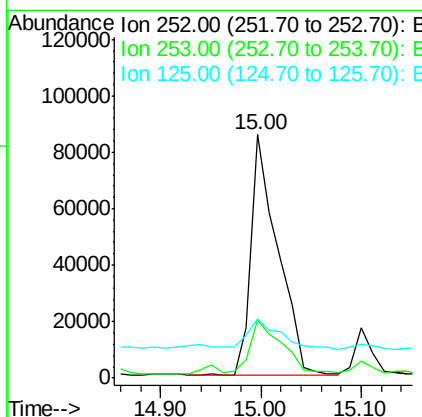
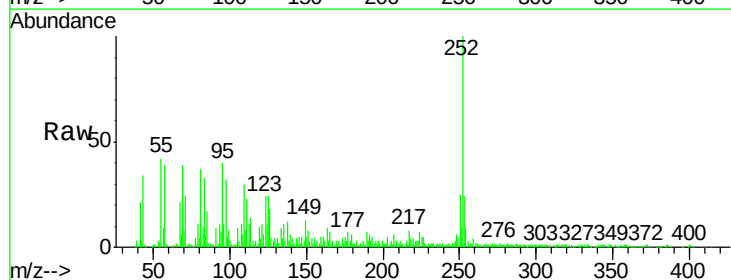
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.0  | 19.4  | 29.2  |
| 265 | 22.0  | 17.2  | 25.8  |



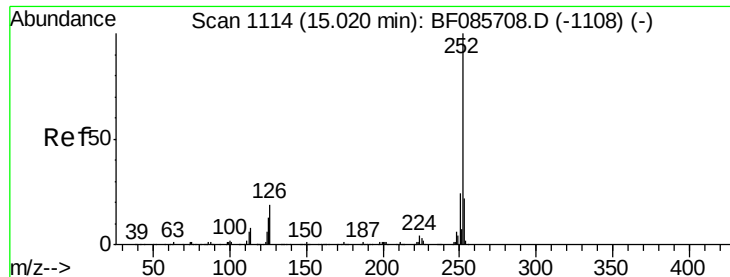
#87  
Benzo(b)fluoranthene  
Concen: 12.11 ng  
RT: 15.00 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

Tgt Ion: 252 Resp: 158839  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 17.6  | 26.4  |
| 125 | 24.5  | 10.3  | 15.5  |



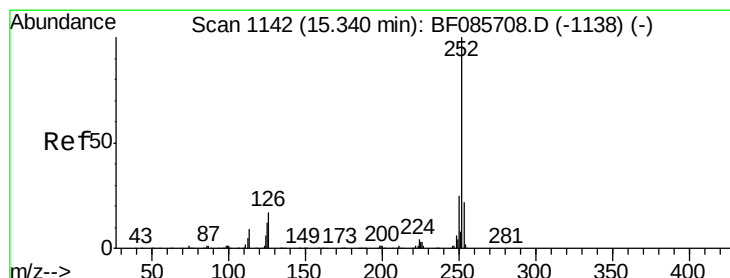
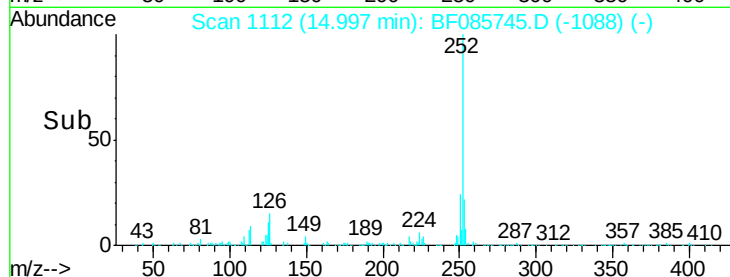
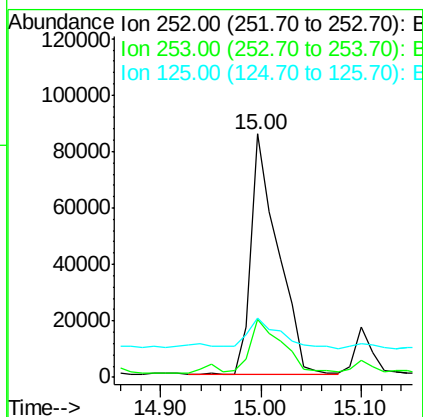
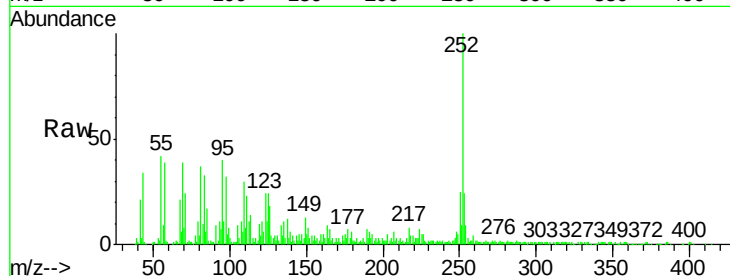




#88  
Benzo(k)fluoranthene  
Concen: 13.43 ng  
RT: 15.00 min Scan# 1112  
Delta R.T. -0.02 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

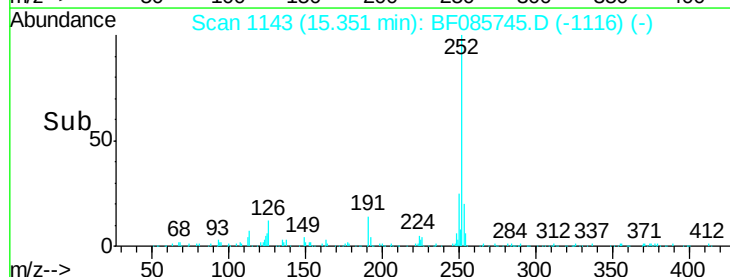
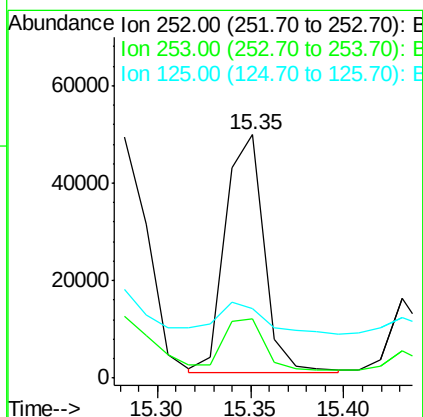
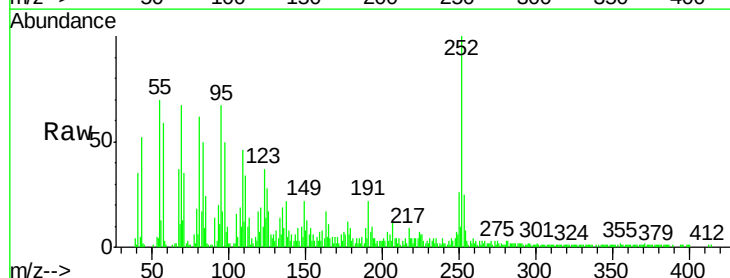
Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(4-5)

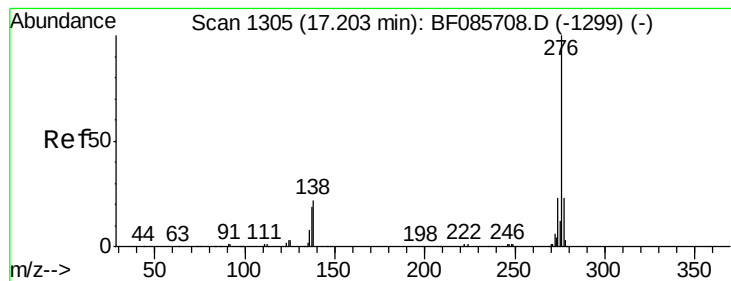
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.8  | 26.6  |
| 125     | 24.5  | 7.7   | 11.5# |



#89  
Benzo(a)pyrene  
Concen: 6.12 ng  
RT: 15.35 min Scan# 1143  
Delta R.T. 0.01 min  
Lab File: BF085745.D  
Acq: 25 Mar 2016 6:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 17.4  | 26.0  |
| 125     | 28.4  | 10.3  | 15.5# |





#91

Benzo(g,h,i)perylene

Concen: 3.44 ng

RT: 17.21 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF085745.D

Acq: 25 Mar 2016 6:35

Instrument :

BNA\_F

ClientSampleId :

GW-01(4-5)

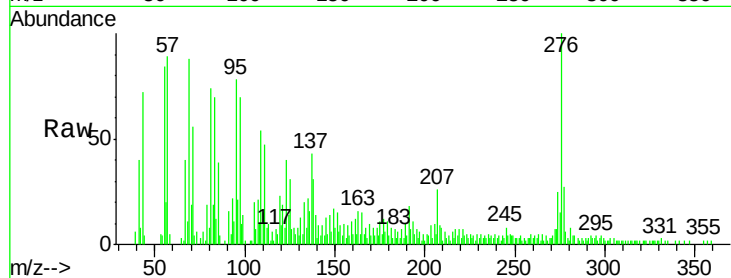
Tgt Ion: 276 Resp: 37659

Ion Ratio Lower Upper

276 100

277 26.6 18.8 28.2

138 31.5 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

