

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032416\  
 Data File : BF085742.D  
 Acq On : 25 Mar 2016 5:10  
 Operator : UM/SJ  
 Sample : H1884-20  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01(18-20)

Quant Time: Mar 25 05:05:55 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

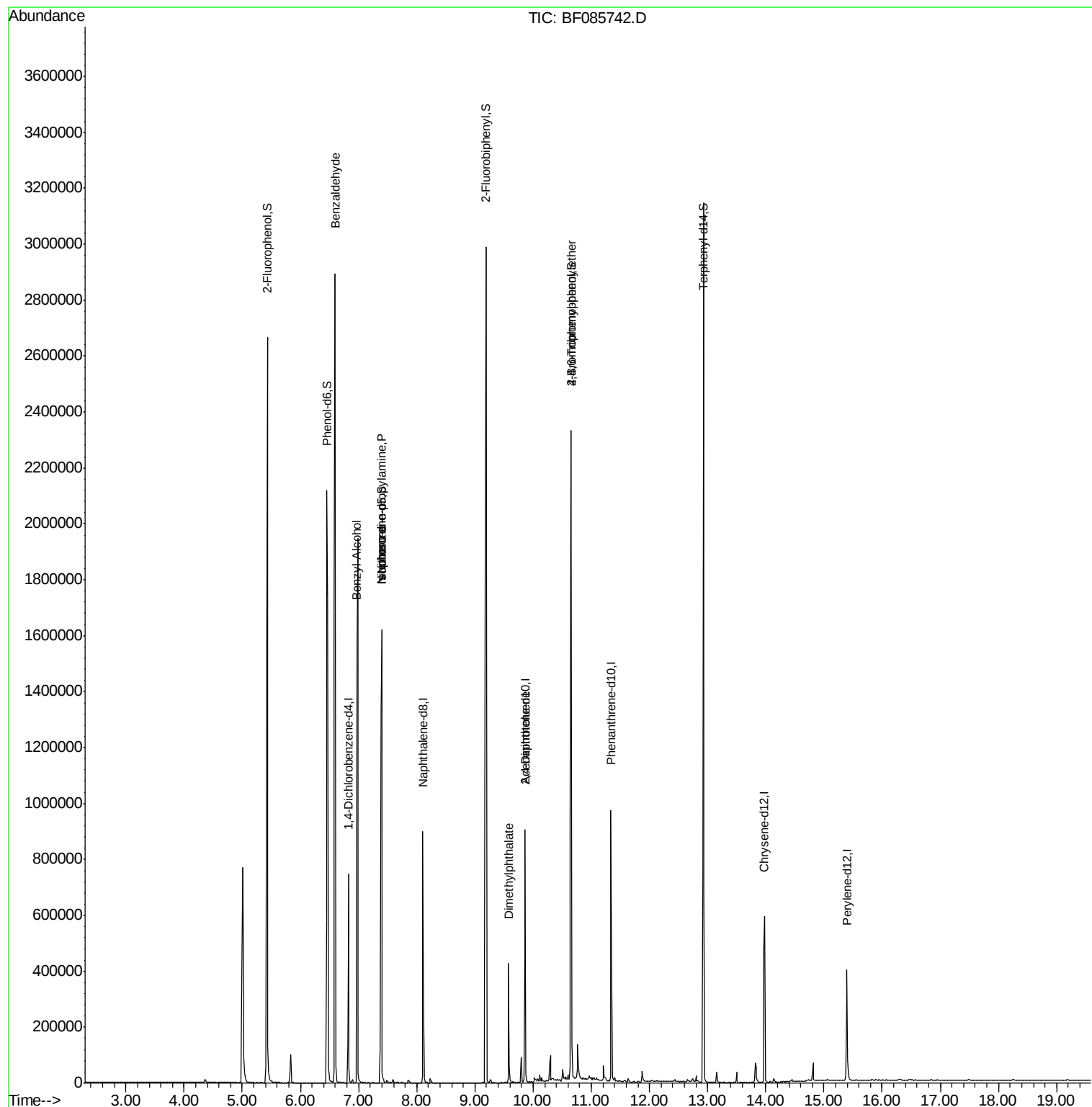
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 111026   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.10  | 136  | 429440   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.86  | 164  | 205414   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10           | 11.34 | 188  | 387085   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 13.98 | 240  | 274951   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12               | 15.40 | 264  | 201885   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.43  | 112  | 949605   | 142.44 | ng    | 0.02      |
| 7) Phenol-d6                   | 6.46  | 99   | 1241172  | 146.43 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 779304   | 102.19 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol       | 10.65 | 330  | 309204   | 158.43 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 1203701  | 97.90  | ng    | 0.00      |
| 78) Terphenyl-d14              | 12.93 | 244  | 1046014  | 78.24  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.60  | 77   | 21840    | 4.28   | ng    | Qvalue 86 |
| 15) Benzyl Alcohol             | 6.97  | 79   | 11371    | 2.01   | ng    | # 48      |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 101377   | 19.98  | ng    | # 73      |
| 25) Isophorone                 | 7.40  | 82   | 744573   | 50.68  | ng    | # 68      |
| 49) Dimethylphthalate          | 9.58  | 163  | 154981   | 9.94   | ng    | 98        |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 25623    | 6.01   | ng    | # 37      |
| 66) 4-Bromophenyl-phenylether  | 10.65 | 248  | 21249    | 5.37   | ng    | # 1       |

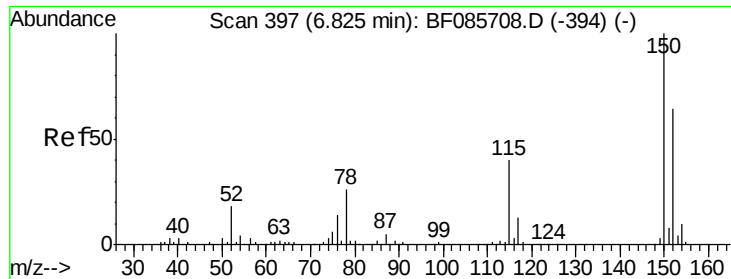
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampleId :

GW-01(18-20)

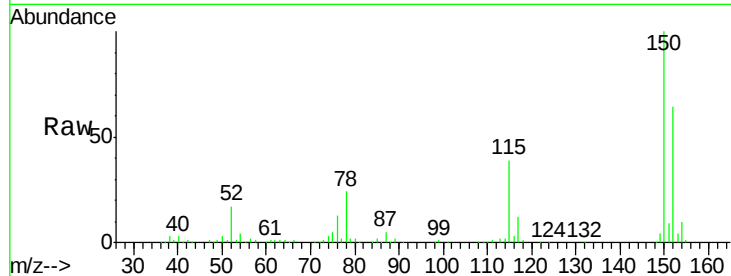
Tgt Ion:152 Resp: 111026

Ion Ratio Lower Upper

152 100

150 156.4 124.2 186.2

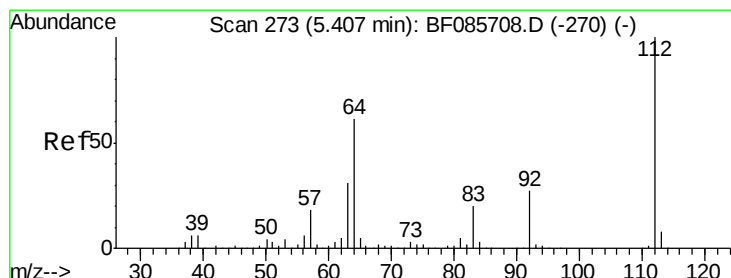
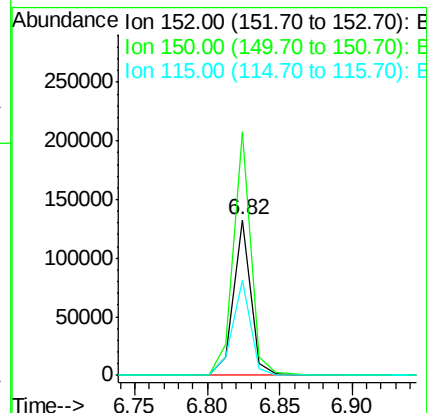
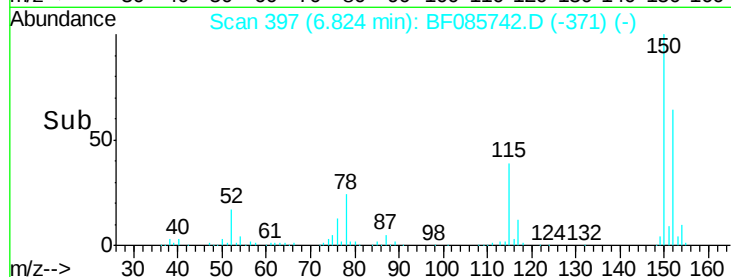
115 61.2 47.0 70.6



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



#5

2-Fluorophenol

Concen: 142.44 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

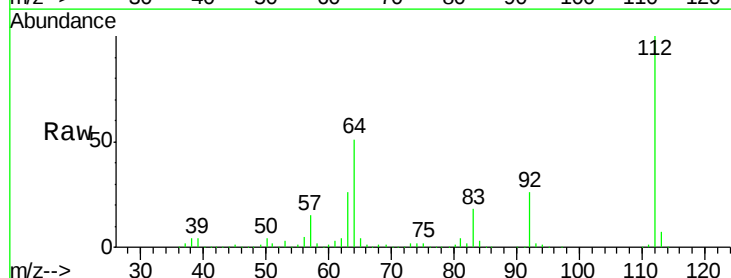
Tgt Ion:112 Resp: 949605

Ion Ratio Lower Upper

112 100

64 50.9 39.9 59.9

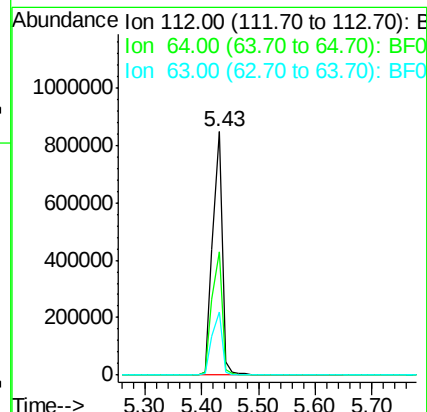
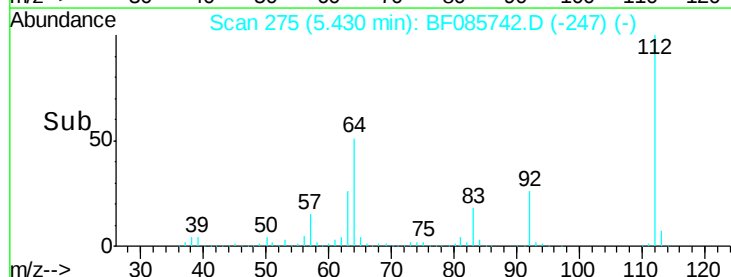
63 25.9 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.43 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampled :

GW-01(18-20)

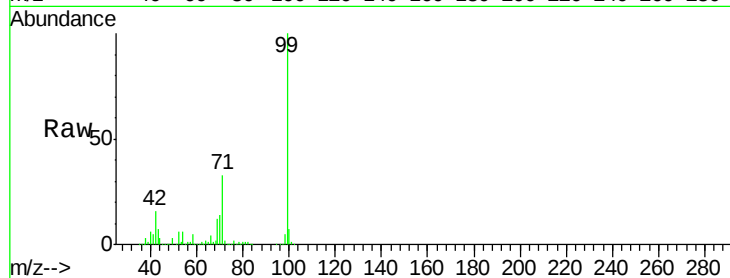
Tgt Ion: 99 Resp: 1241172

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

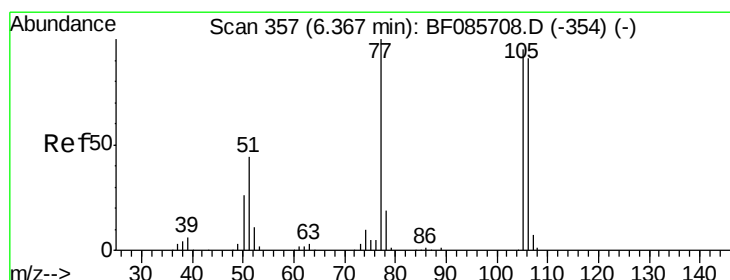
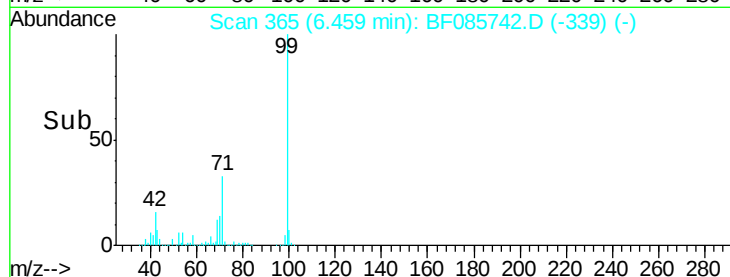
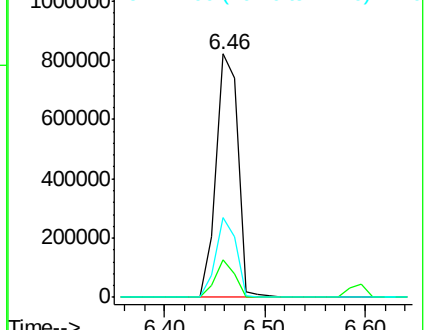
71 32.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.28 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

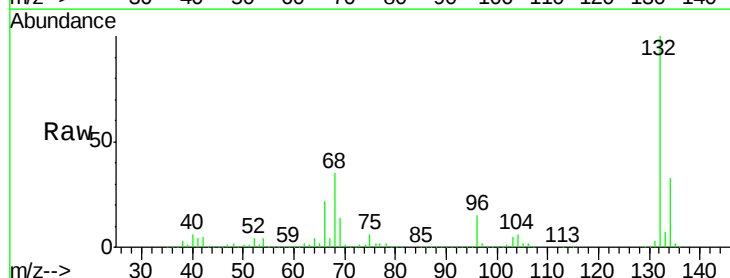
Tgt Ion: 77 Resp: 21840

Ion Ratio Lower Upper

77 100

105 84.2 80.1 120.1

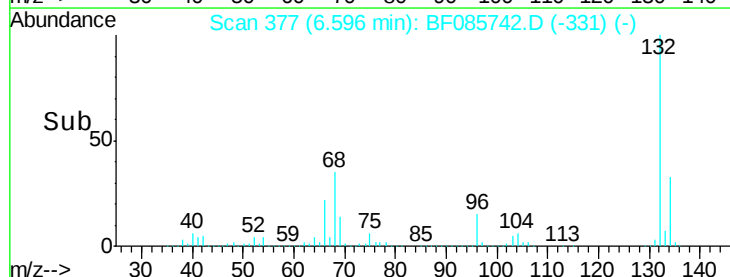
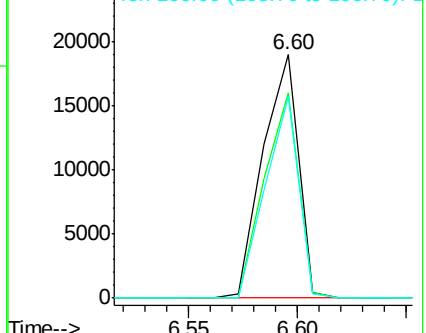
106 82.9 75.0 115.0

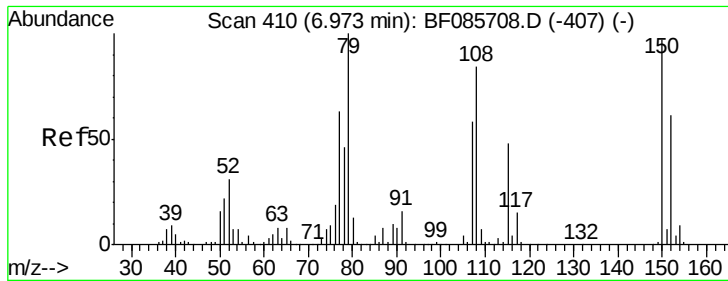


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampleId :

GW-01(18-20)

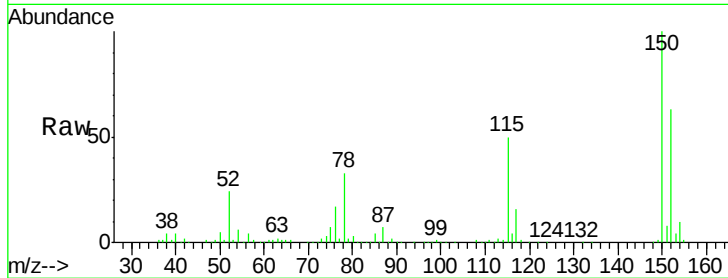
Tgt Ion: 79 Resp: 11371

Ion Ratio Lower Upper

79 100

108 28.6 61.8 92.6#

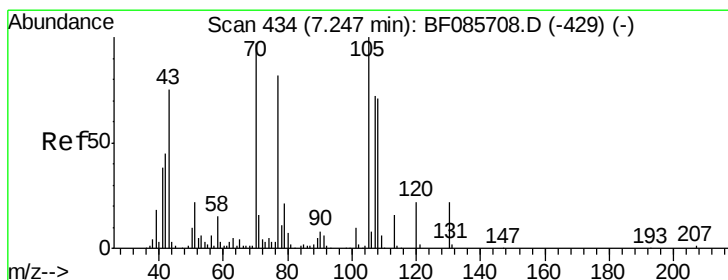
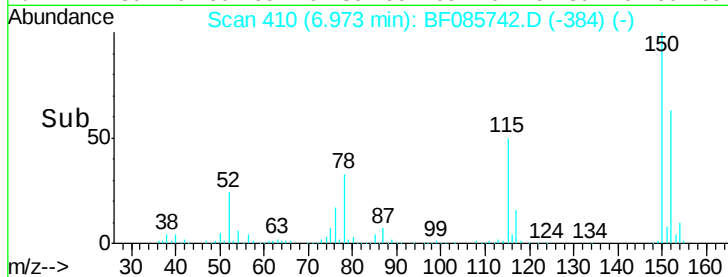
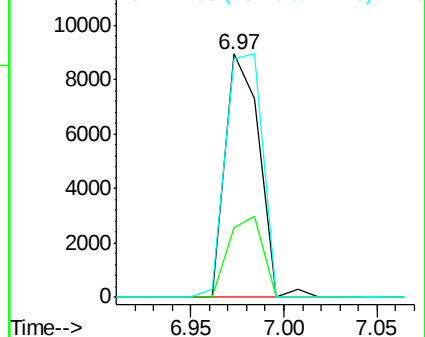
77 97.9 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.98 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Tgt Ion: 70 Resp: 101377

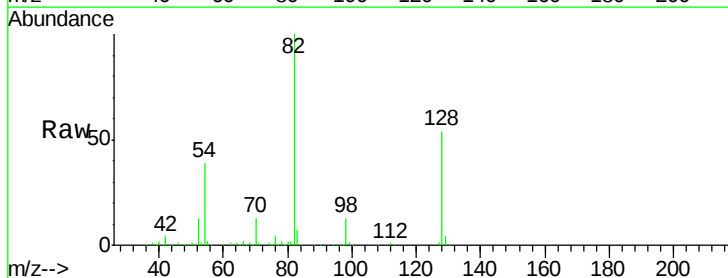
Ion Ratio Lower Upper

70 100

42 34.4 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

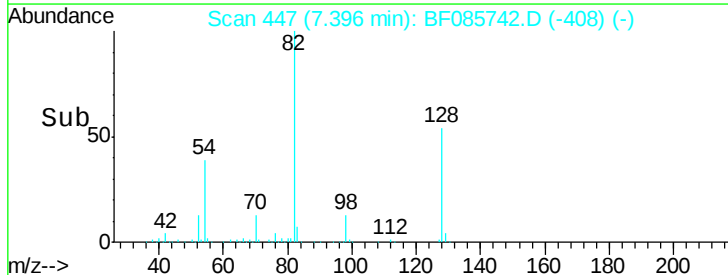
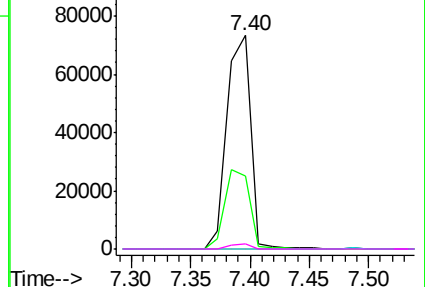


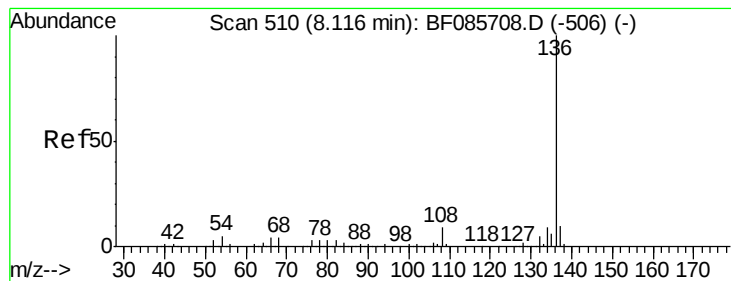
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampleId :

GW-01(18-20)

Tgt Ion:136 Resp: 429440

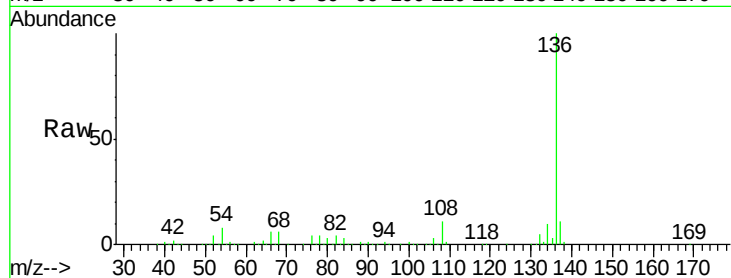
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.2 7.4 11.0

68 6.5 5.8 8.8

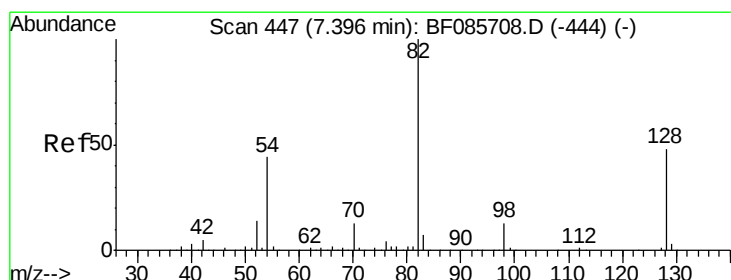
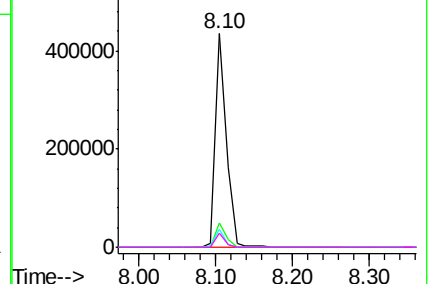
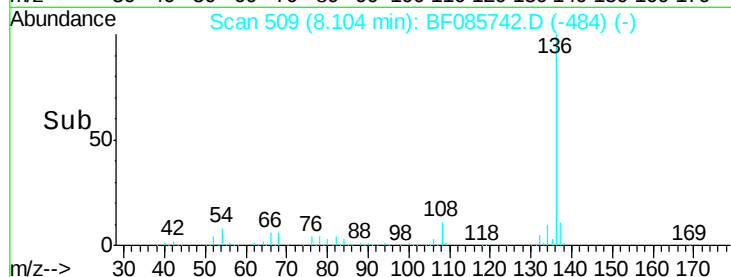


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.19 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

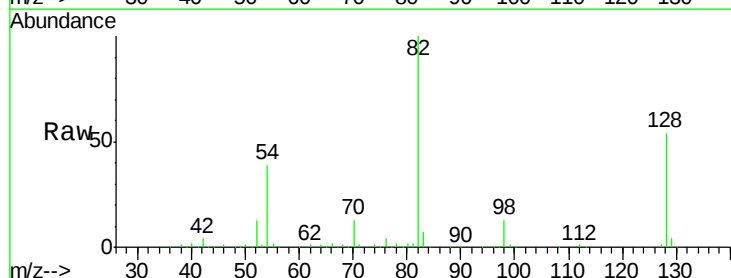
Tgt Ion: 82 Resp: 779304

Ion Ratio Lower Upper

82 100

128 54.2 41.8 62.8

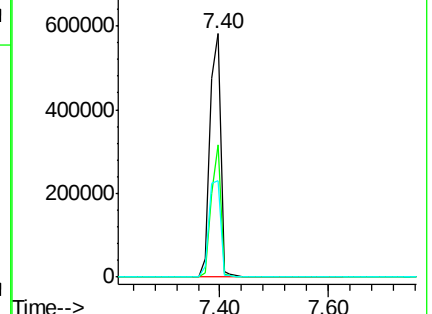
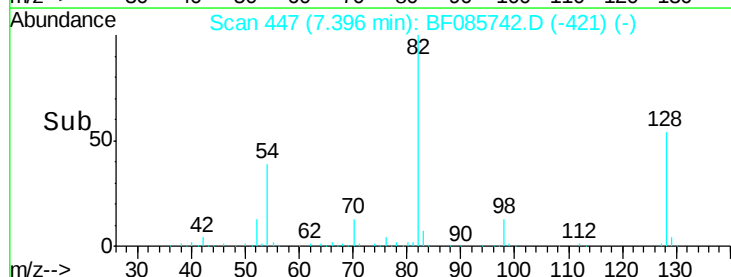
54 39.5 33.4 50.0

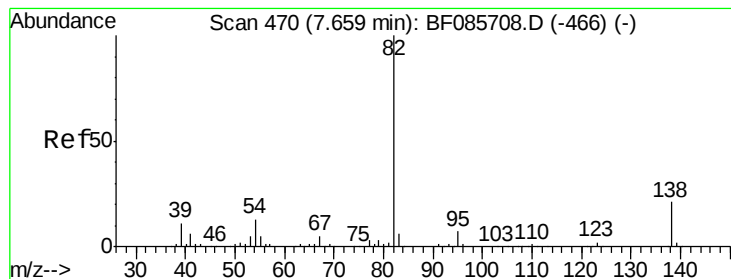


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 50.68 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.26 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampleId :

GW-01(18-20)

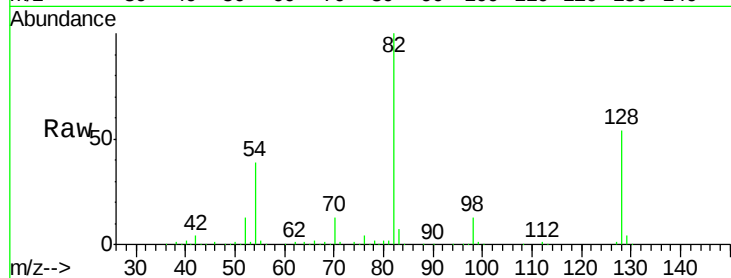
Tgt Ion: 82 Resp: 744573

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

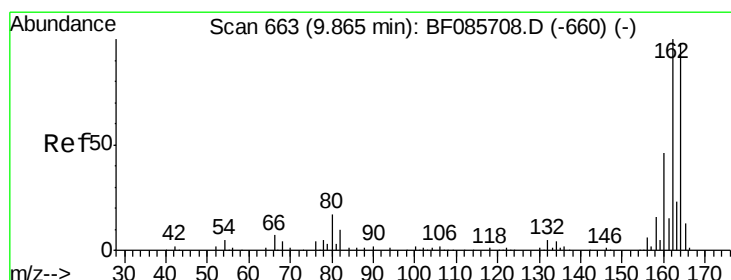
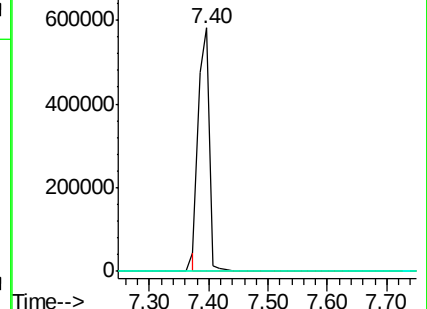
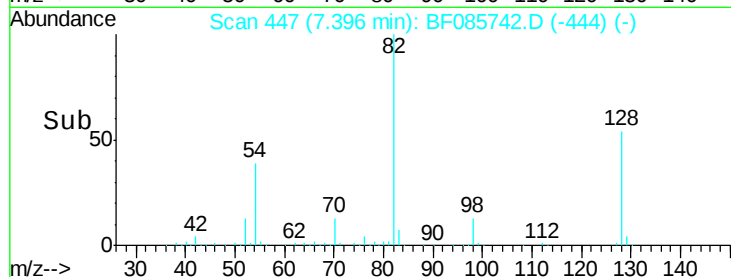
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF085742.D (-444) (-)

Ion 95.00 (94.70 to 95.70): BF085742.D (-444) (-)

Ion 138.00 (137.70 to 138.70): BF085742.D (-444) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

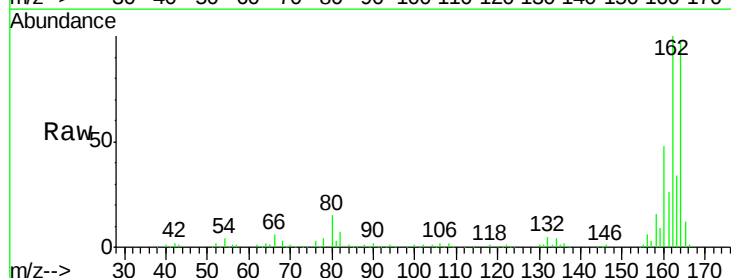
Tgt Ion: 164 Resp: 205414

Ion Ratio Lower Upper

164 100

162 103.4 82.1 123.1

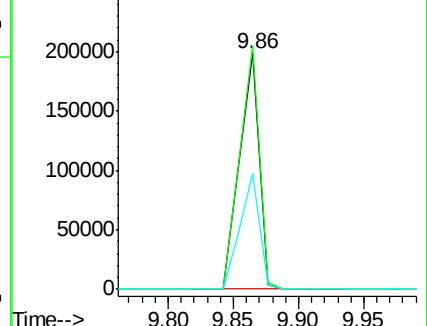
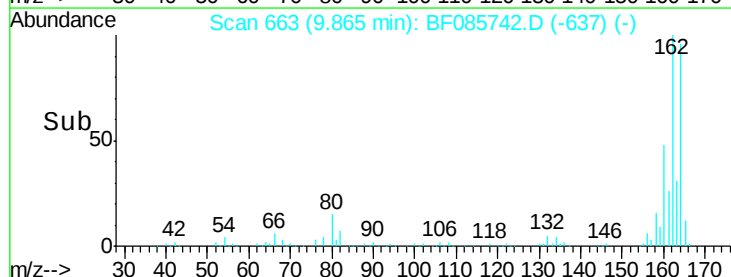
160 49.3 37.4 56.2

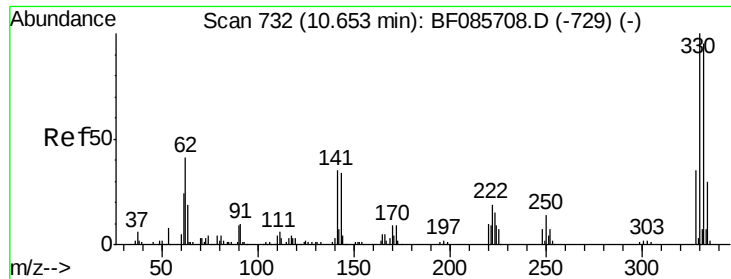


Abundance Ion 164.00 (163.70 to 164.70): BF085742.D (-637) (-)

Ion 162.00 (161.70 to 162.70): BF085742.D (-637) (-)

Ion 160.00 (159.70 to 160.70): BF085742.D (-637) (-)

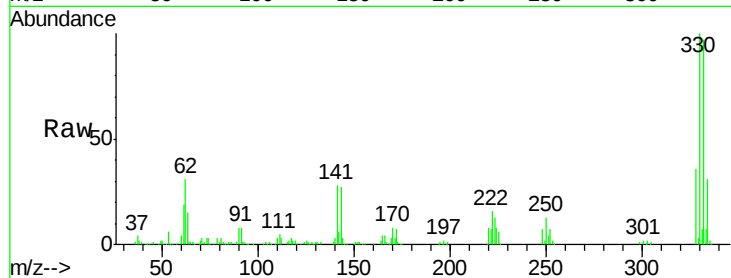




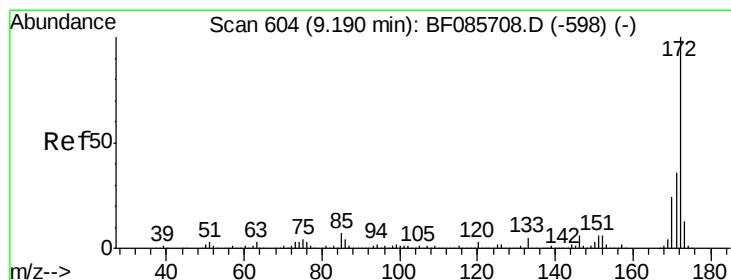
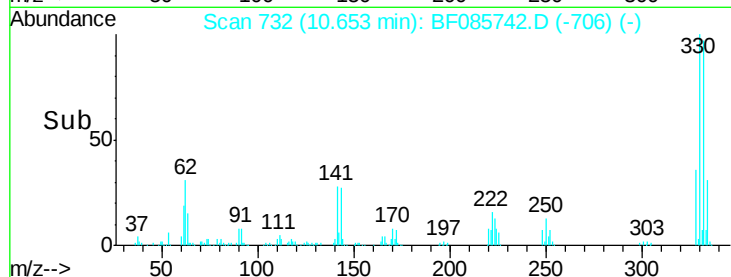
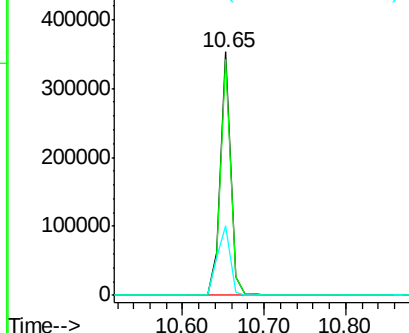
#41  
 2,4,6-Tribromophenol  
 Concen: 158.43 ng  
 RT: 10.65 min Scan# 732  
 Delta R.T. -0.00 min  
 Lab File: BF085742.D  
 Acq: 25 Mar 2016 5:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-01(18-20)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 78.2  | 117.2 |
| 141     | 36.2  | 31.5  | 47.3  |

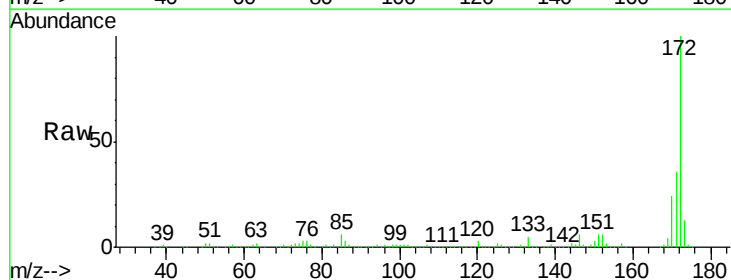


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

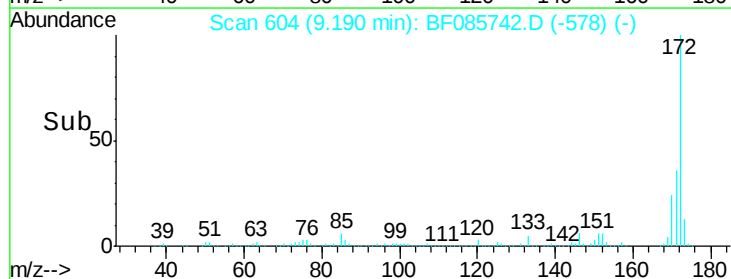
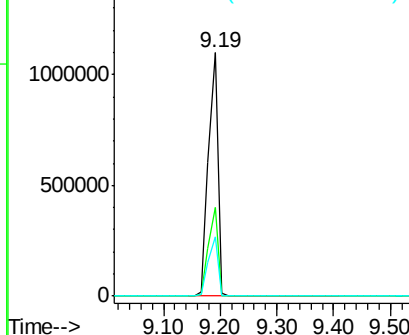


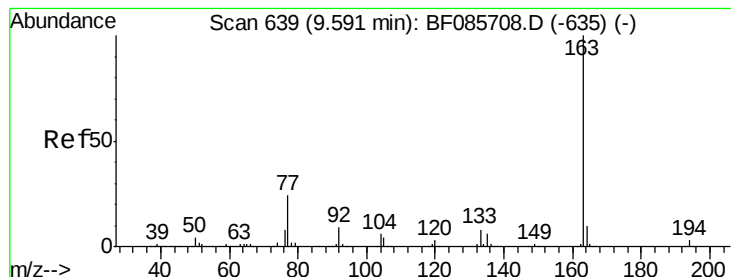
#44  
 2-Fluorobiphenyl  
 Concen: 97.90 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: BF085742.D  
 Acq: 25 Mar 2016 5:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.4  | 44.2  |
| 170     | 24.2  | 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: 9.94 ng

RT: 9.58 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Instrument :

BNA\_F

ClientSampleId :

GW-01(18-20)

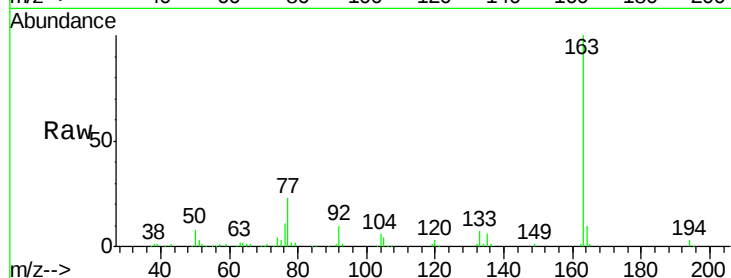
Tgt Ion:163 Resp: 154981

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

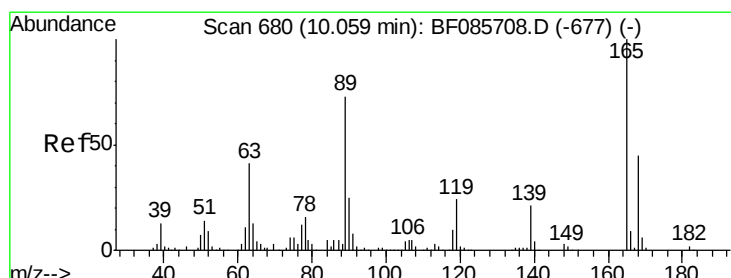
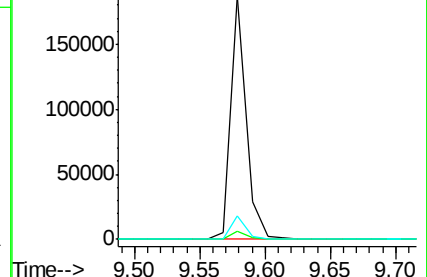
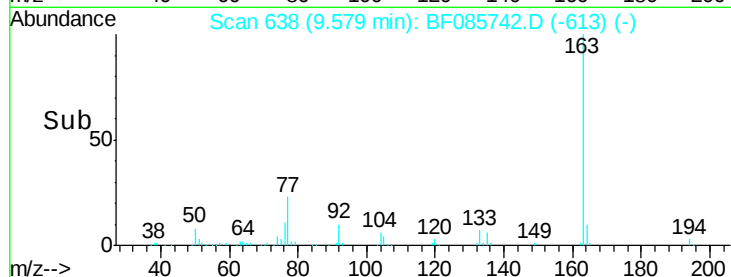
164 9.8 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085742.D

Acq: 25 Mar 2016 5:10

Tgt Ion:165 Resp: 25623

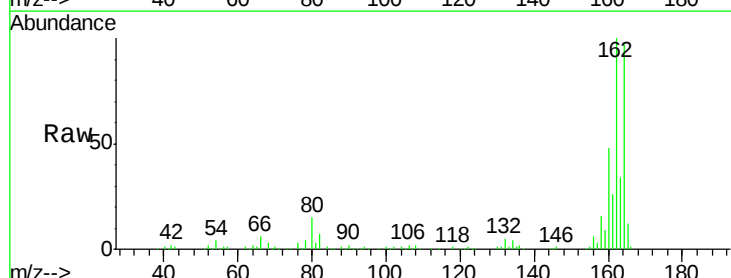
Ion Ratio Lower Upper

165 100

63 1.2 24.9 37.3#

89 2.1 41.0 61.6#

182 0.0 2.1 3.1#

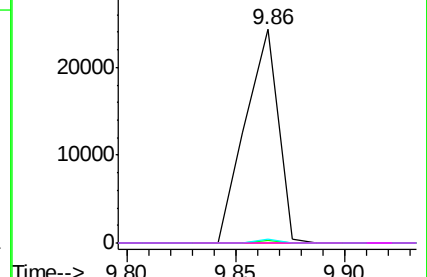
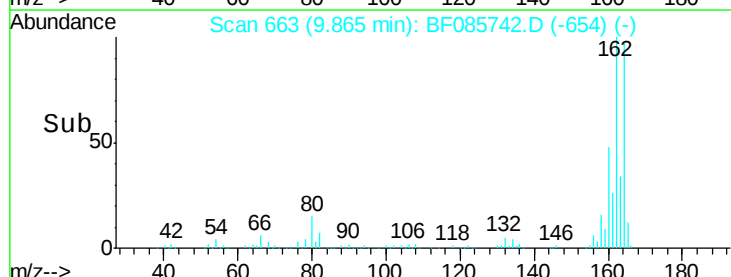


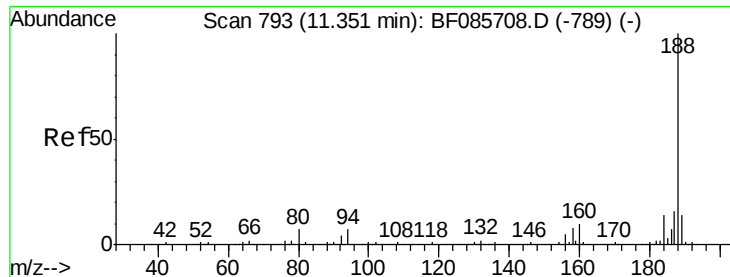
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

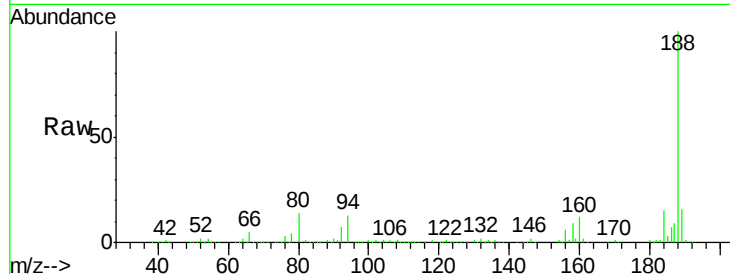




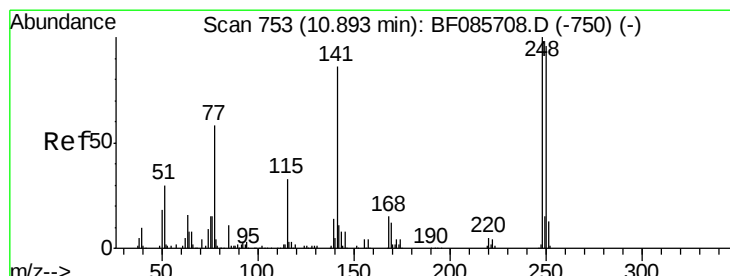
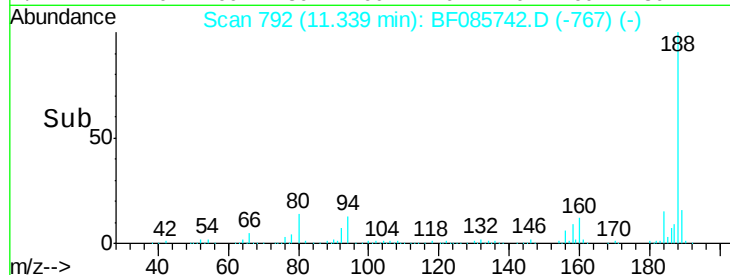
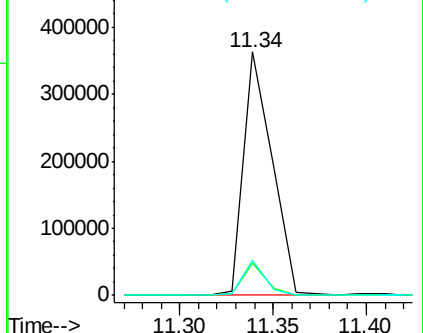
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF085742.D  
Acq: 25 Mar 2016 5:10

Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(18-20)

Tgt Ion:188 Resp: 387085  
Ion Ratio Lower Upper  
188 100  
94 13.3 5.4 8.0#  
80 14.3 5.5 8.3#

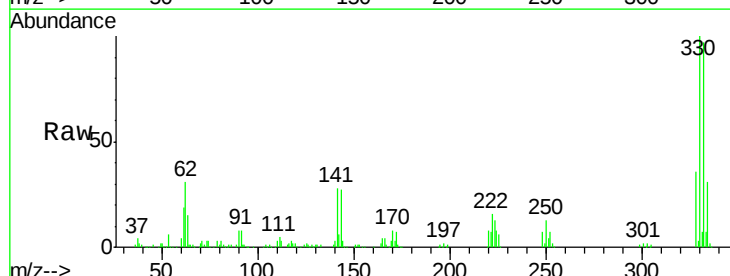


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

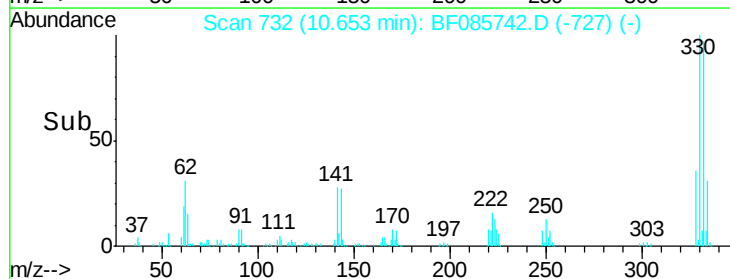
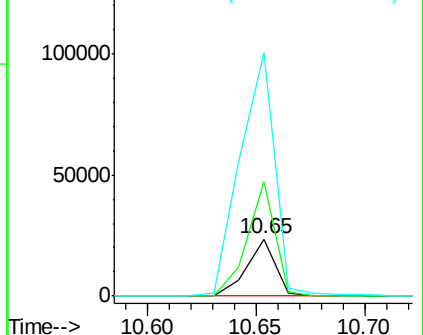


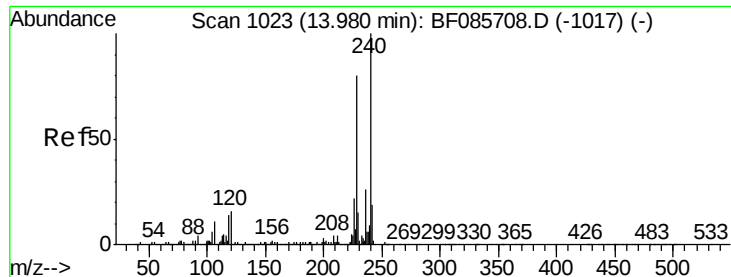
#66  
4-Bromophenyl-phenylether  
Concen: 5.37 ng  
RT: 10.65 min Scan# 732  
Delta R.T. -0.24 min  
Lab File: BF085742.D  
Acq: 25 Mar 2016 5:10

Tgt Ion:248 Resp: 21249  
Ion Ratio Lower Upper  
248 100  
250 200.9 77.4 116.0#  
141 427.6 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

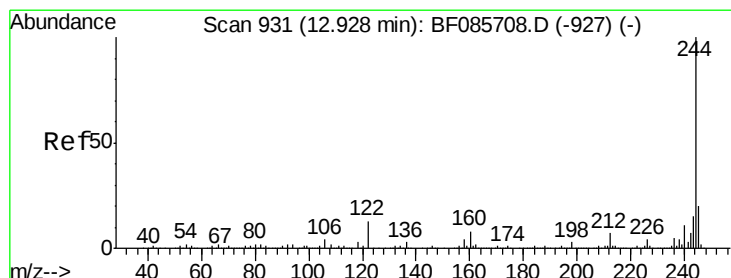
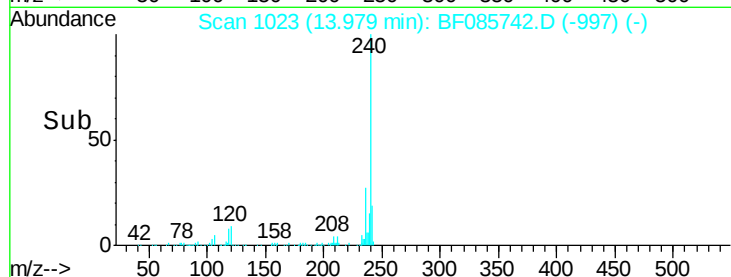
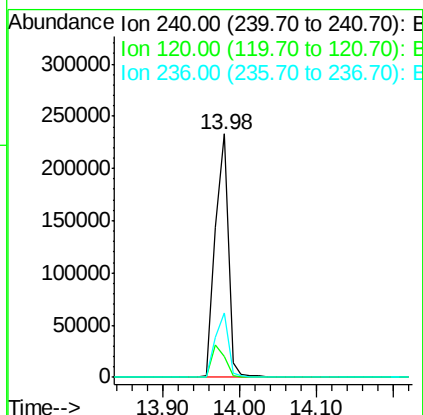
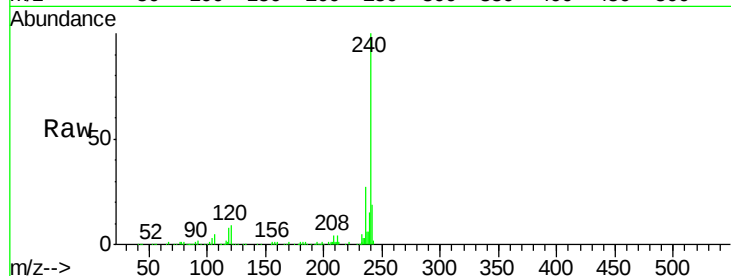




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.98 min Scan# 1023  
Delta R.T. -0.00 min  
Lab File: BF085742.D  
Acq: 25 Mar 2016 5:10

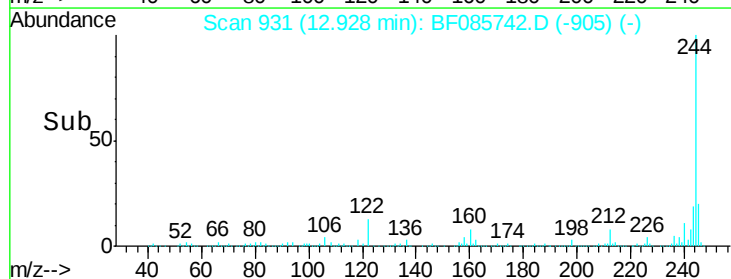
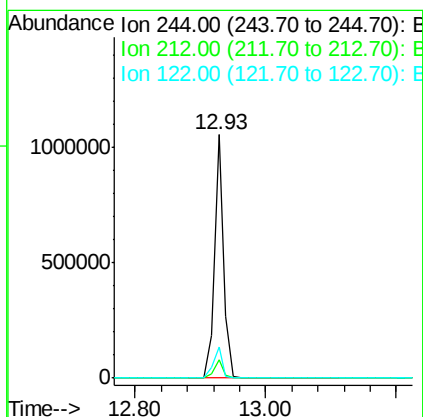
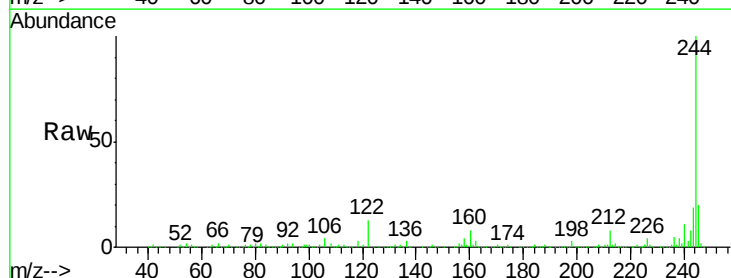
Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(18-20)

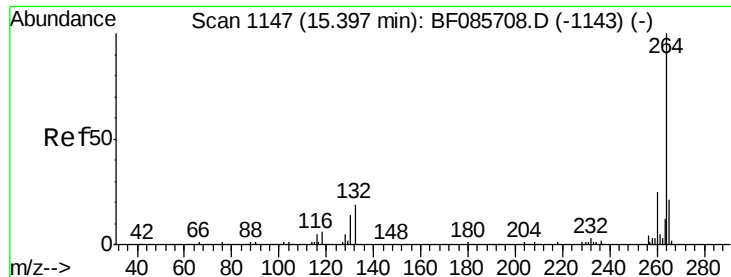
Tgt Ion:240 Resp: 274951  
Ion Ratio Lower Upper  
240 100  
120 8.6 13.8 20.8#  
236 26.7 20.6 30.8



#78  
Terphenyl-d14  
Concen: 78.24 ng  
RT: 12.93 min Scan# 931  
Delta R.T. -0.00 min  
Lab File: BF085742.D  
Acq: 25 Mar 2016 5:10

Tgt Ion:244 Resp: 1046014  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.1 9.1  
122 12.8 10.2 15.4

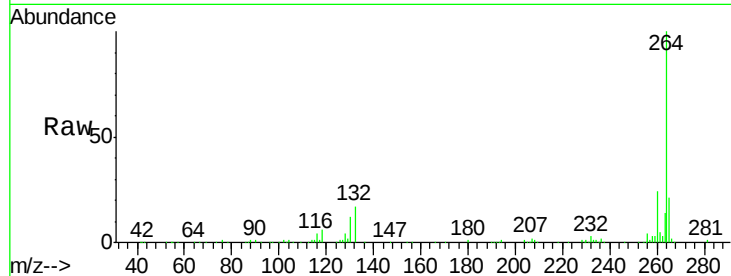




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1147  
Delta R.T. -0.00 min  
Lab File: BF085742.D  
Acq: 25 Mar 2016 5:10

Instrument :  
BNA\_F  
ClientSampleId :  
GW-01(18-20)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.4  | 29.2  |
| 265     | 20.7  | 17.2  | 25.8  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

