

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032615\  
 Data File : BF078020.D  
 Acq On : 27 Mar 2015 4:33  
 Operator : TP/IZ  
 Sample : G1653-10  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD6

Quant Time: Mar 27 05:57:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 05:57:29 2015  
 Response via : Initial Calibration

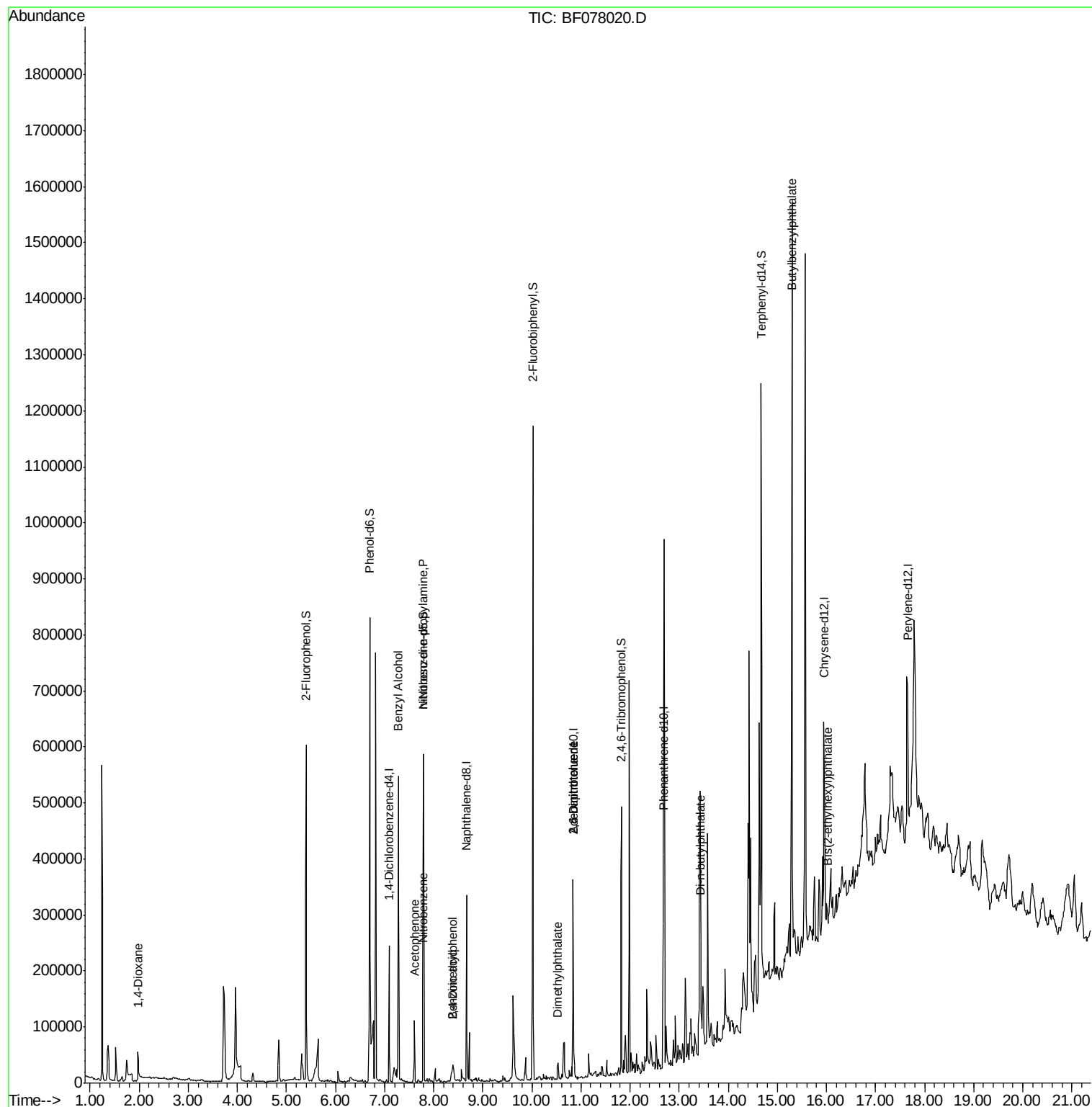
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.09  | 152  | 36733    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.67  | 136  | 149804   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.84 | 164  | 75628    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.68 | 188  | 147728   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12               | 15.95 | 240  | 155509   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 17.65 | 264  | 151340   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 222892   | 105.92 | ng    | 0.03     |
| 7) Phenol-d6                   | 6.69  | 99   | 288292   | 110.88 | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 7.79  | 82   | 164829   | 72.13  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.82 | 330  | 72823    | 100.64 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 10.02 | 172  | 348693   | 67.76  | ng    | 0.00     |
| 78) Terphenyl-d14              | 14.67 | 244  | 390385   | 61.32  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.97  | 88   | 3023     | 3.16   | ng    | # 100    |
| 15) Benzyl Alcohol             | 7.28  | 79   | 5417     | 2.67   | ng    | # 50     |
| 19) n-Nitroso-di-n-propylamine | 7.79  | 70   | 21536    | 11.97  | ng    | # 81     |
| 22) Acetophenone               | 7.61  | 105  | 30980    | 9.34   | ng    | 95       |
| 24) Nitrobenzene               | 7.78  | 77   | 6661     | 2.71   | ng    | # 48     |
| 27) 2,4-Dimethylphenol         | 8.38  | 122  | 10297    | 4.69   | ng    | # 6      |
| 32) Benzoic acid               | 8.38  | 122  | 10297    | 10.96  | ng    | 95       |
| 49) Dimethylphthalate          | 10.53 | 163  | 13708    | 2.44   | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 10.84 | 165  | 10197    | 8.77   | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 10.84 | 165  | 10194    | 6.72   | ng    | # 13     |
| 73) Di-n-butylphthalate        | 13.44 | 149  | 64864    | 7.26   | ng    | 99       |
| 76) Benzidine                  | 14.23 | 184  | 635      | Below  | Cal   | # 68     |
| 79) Butylbenzylphthalate       | 15.30 | 149  | 337831   | 87.62  | ng    | 92       |
| 83) Bis(2-ethylhexyl)phthalate | 16.02 | 149  | 13087    | 2.24   | ng    | 96       |

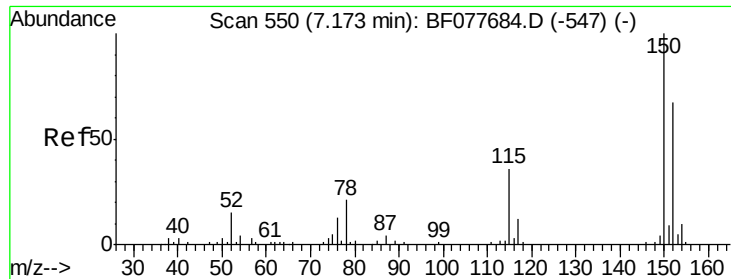
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 05:57:29 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampled :

FD6

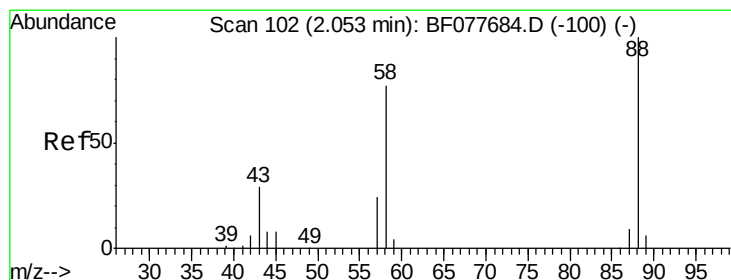
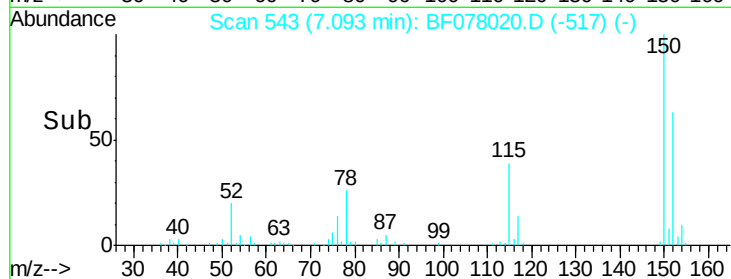
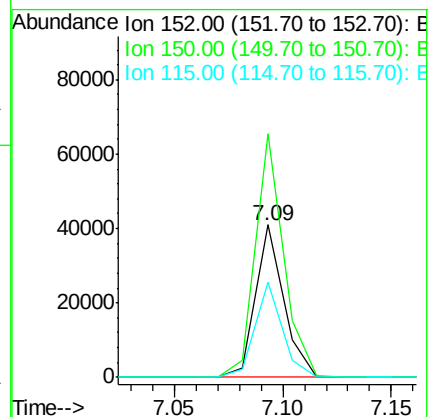
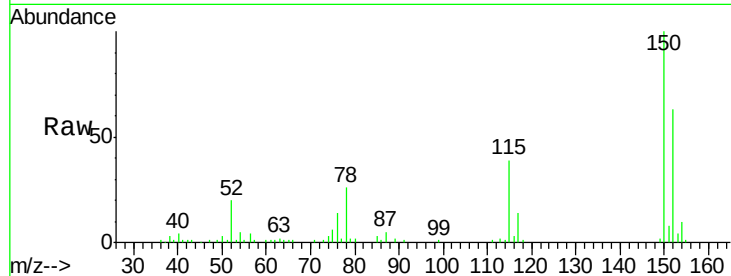
Tgt Ion:152 Resp: 36733

Ion Ratio Lower Upper

152 100

150 159.8 119.5 179.3

115 62.1 43.0 64.4



#2

1,4-Dioxane

Concen: 3.16 ng

RT: 1.97 min Scan# 95

Delta R.T. 0.03 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

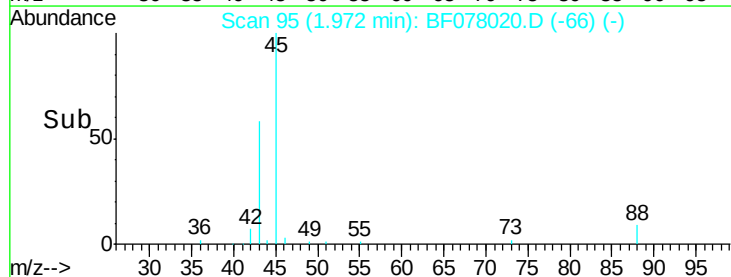
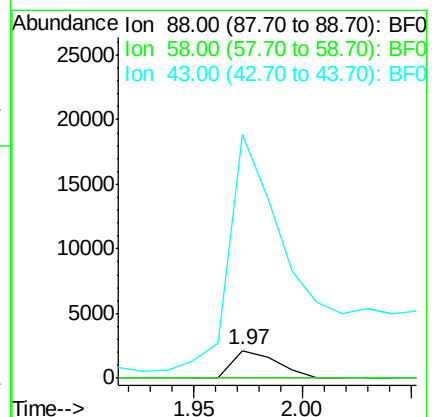
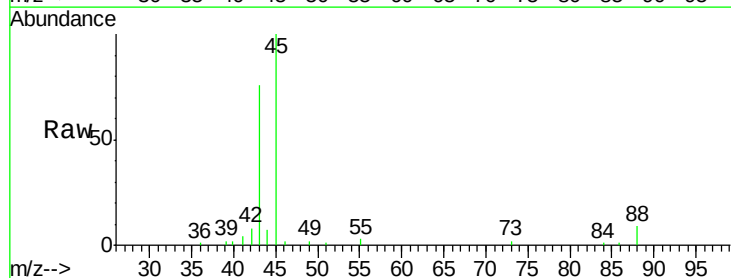
Tgt Ion: 88 Resp: 3023

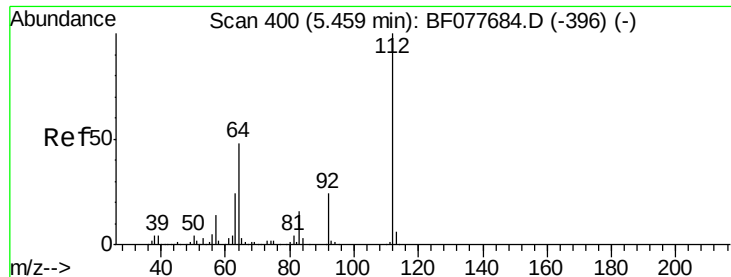
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 1615.8 0.0 0.0#





#5

2-Fluorophenol

Concen: 105.92 ng

RT: 5.40 min Scan# 395

Delta R.T. 0.03 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

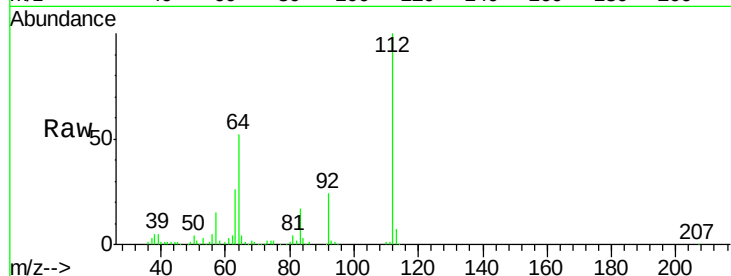
Tgt Ion: 112 Resp: 222892

Ion Ratio Lower Upper

112 100

64 52.3 38.6 57.8

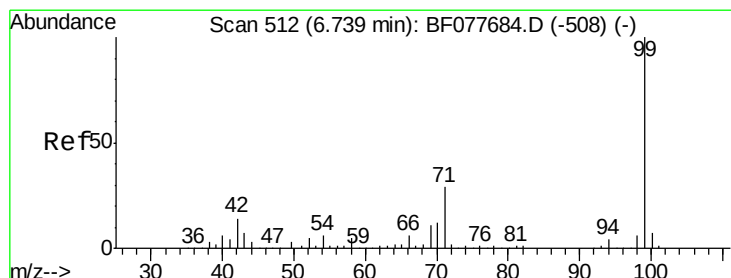
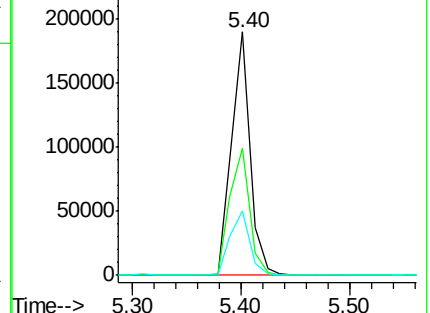
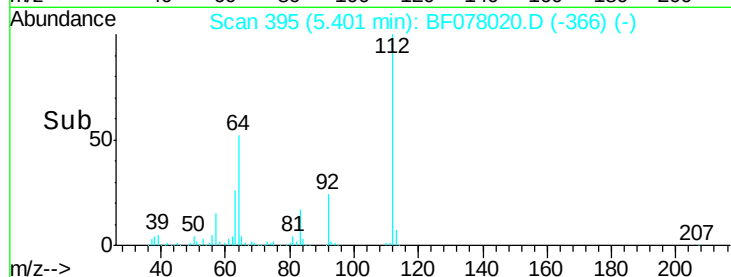
63 26.2 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 110.88 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.02 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

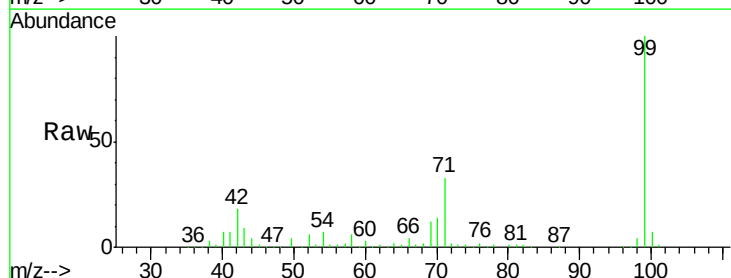
Tgt Ion: 99 Resp: 288292

Ion Ratio Lower Upper

99 100

42 17.8 11.0 16.4#

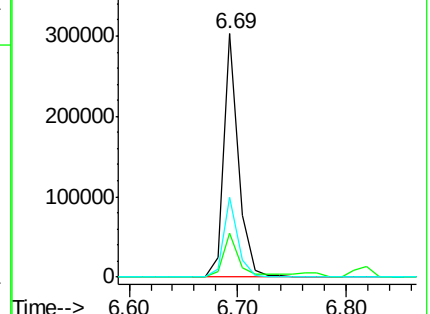
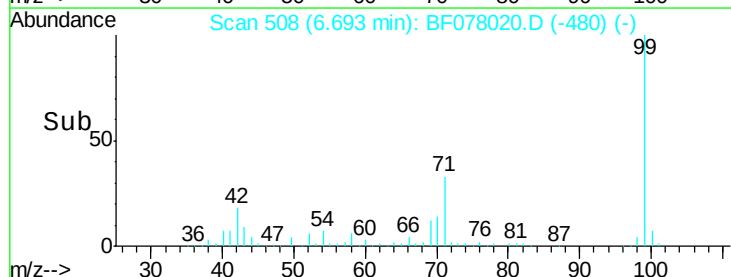
71 32.9 23.4 35.2

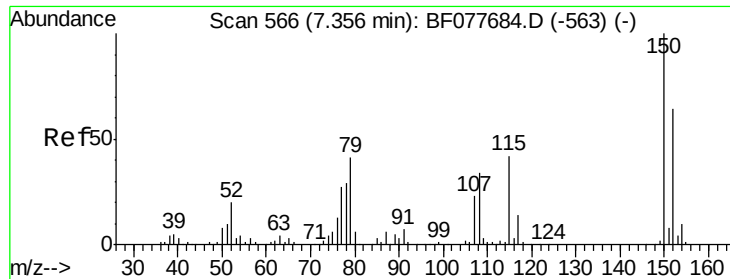


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.67 ng

RT: 7.28 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

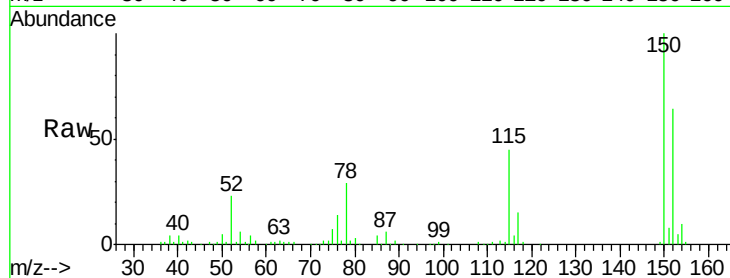
Tgt Ion: 79 Resp: 5417

Ion Ratio Lower Upper

79 100

108 28.3 65.0 97.4#

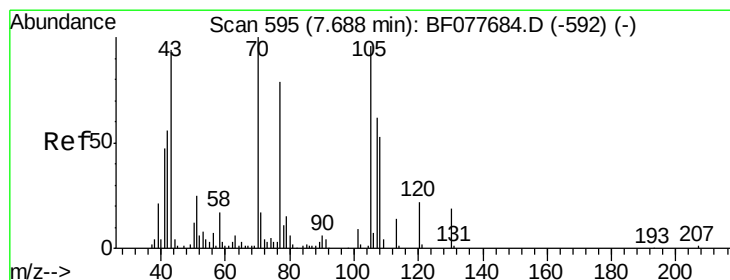
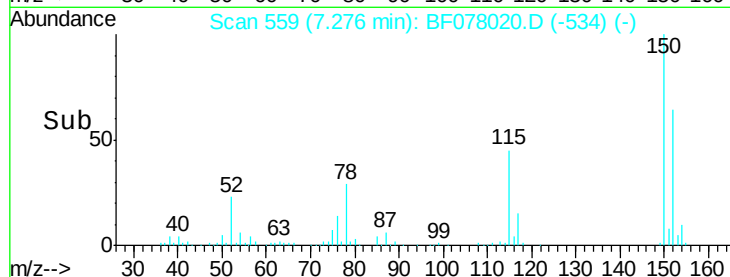
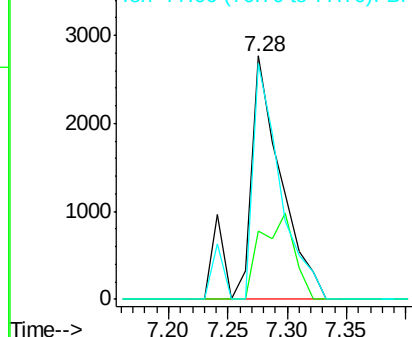
77 97.0 53.0 79.6#



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: 11.97 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.17 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Tgt Ion: 70 Resp: 21536

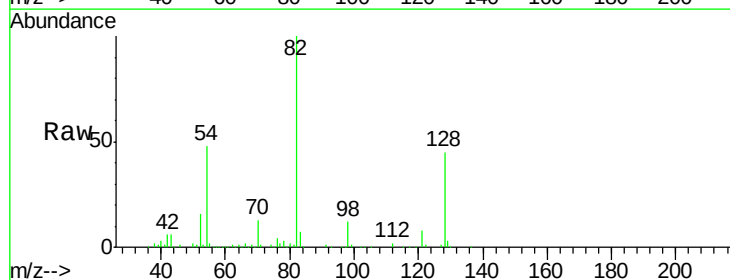
Ion Ratio Lower Upper

70 100

42 47.4 44.5 66.7

101 0.0 7.4 11.2#

130 2.5 15.3 22.9#

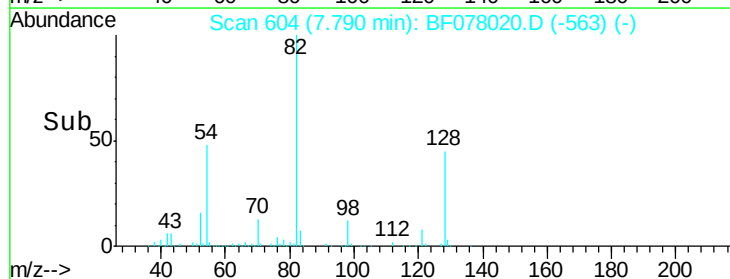
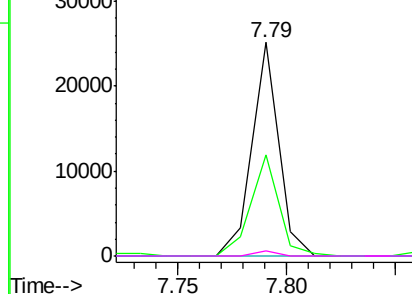


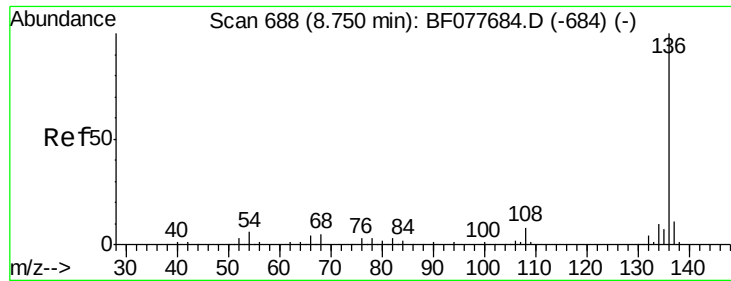
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

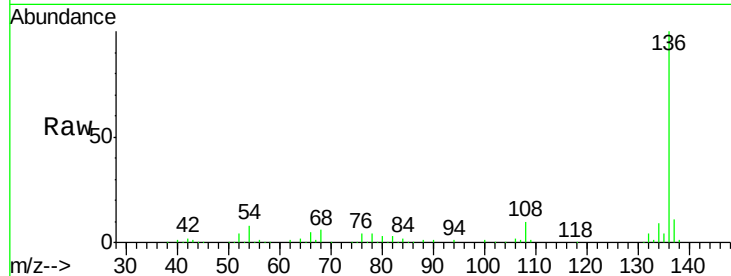




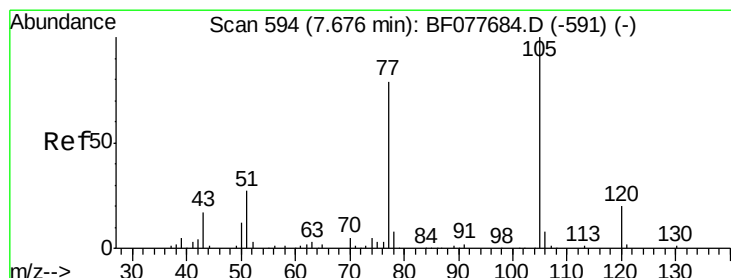
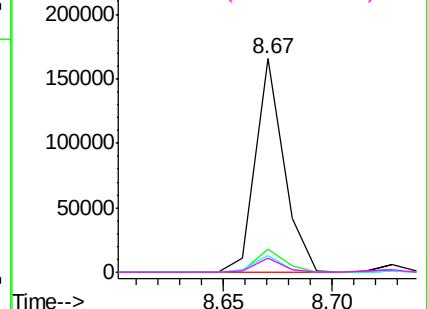
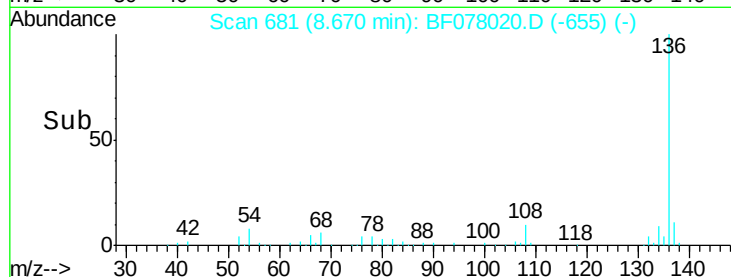
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.67 min Scan# 681  
Delta R.T. -0.00 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

Instrument :  
BNA\_F  
ClientSampleID :  
FD6

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 149804 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.7   | 13.1   |
| 54       | 7.8   | 4.6   | 6.8#   |
| 68       | 6.4   | 3.7   | 5.5#   |

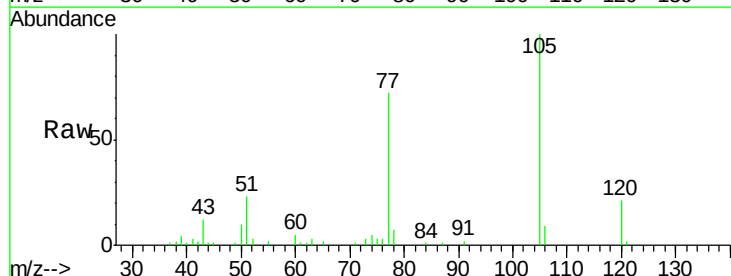


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

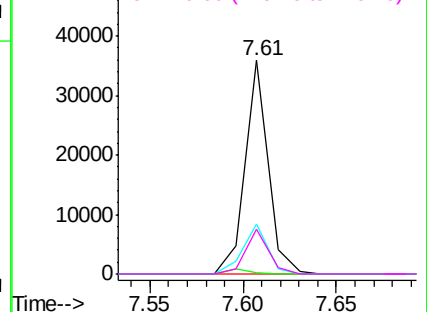
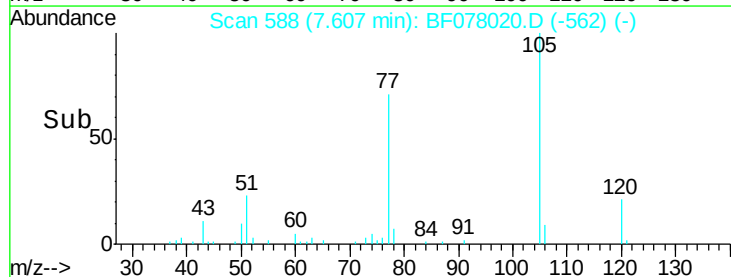


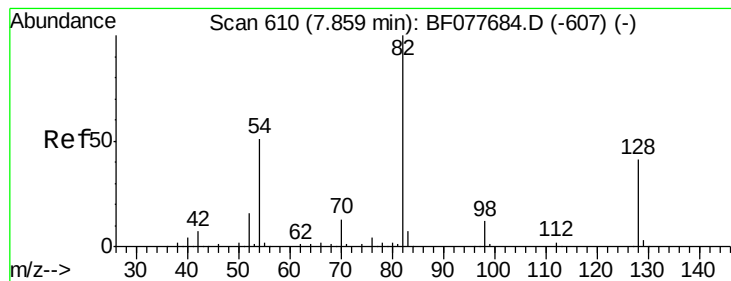
#22  
Acetophenone  
Concen: 9.34 ng  
RT: 7.61 min Scan# 588  
Delta R.T. -0.00 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 30980 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.9   | 0.6   | 1.0   |
| 51       | 23.4  | 21.6  | 32.4  |
| 120      | 20.9  | 16.1  | 24.1  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 72.13 ng

RT: 7.79 min Scan# 604

Delta R.T. -0.00 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

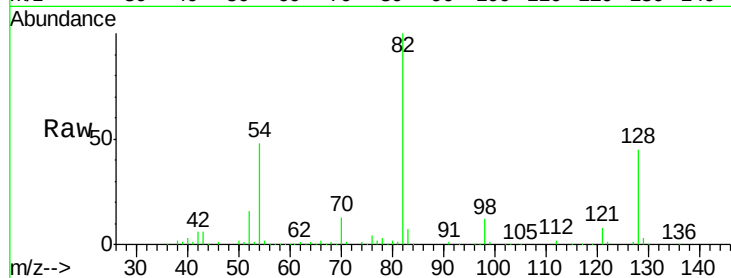
Tgt Ion: 82 Resp: 164829

Ion Ratio Lower Upper

82 100

128 44.5 32.8 49.2

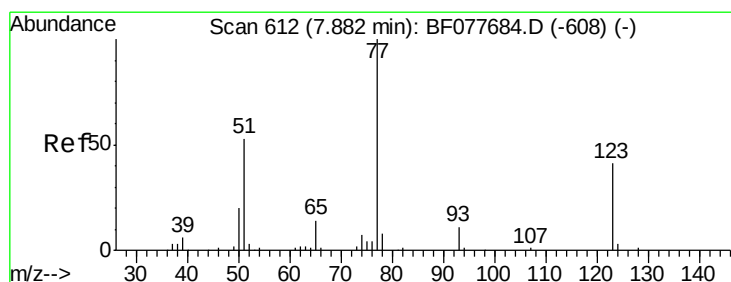
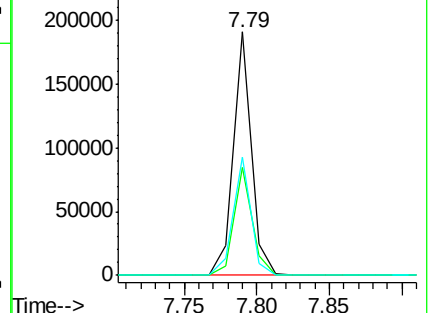
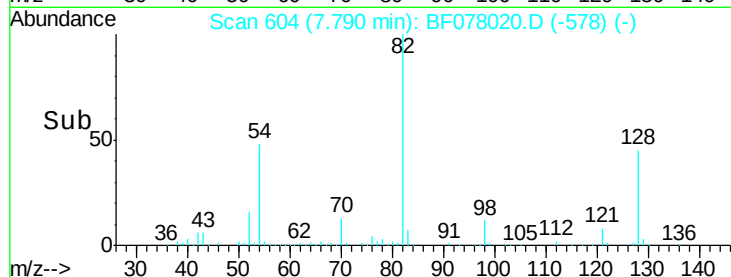
54 48.4 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.71 ng

RT: 7.78 min Scan# 603

Delta R.T. -0.03 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

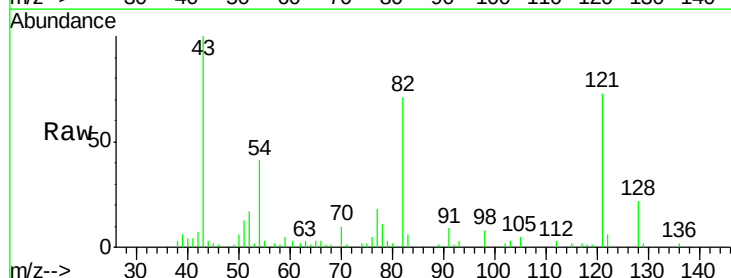
Tgt Ion: 77 Resp: 6661

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

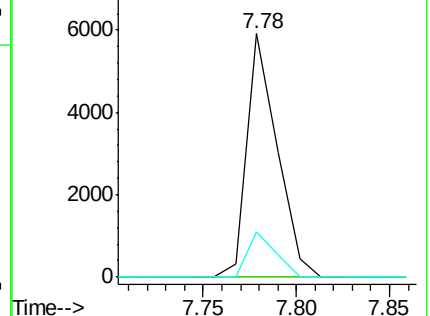
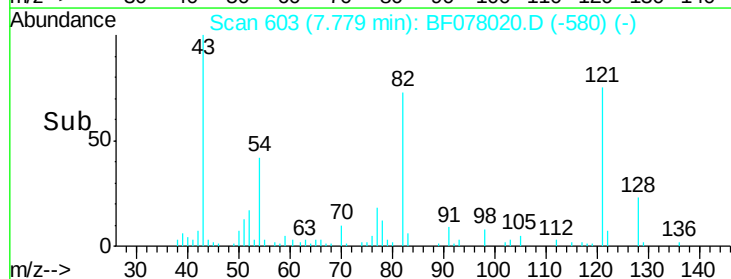
65 18.6 10.9 16.3#

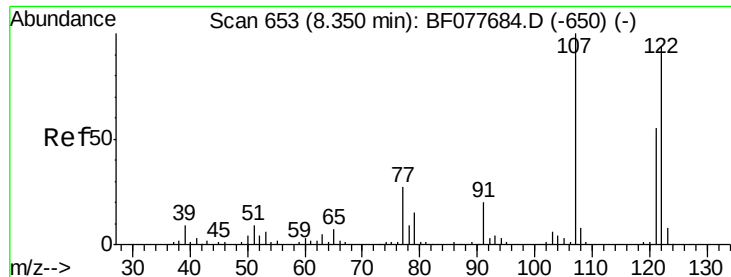


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

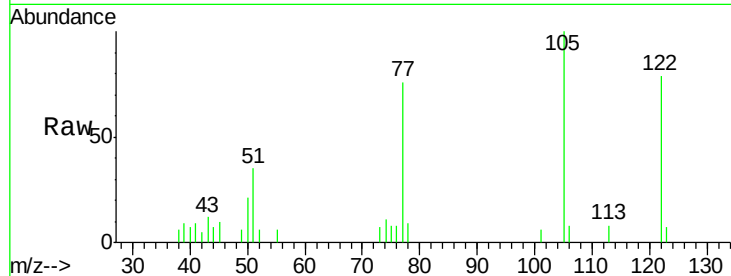




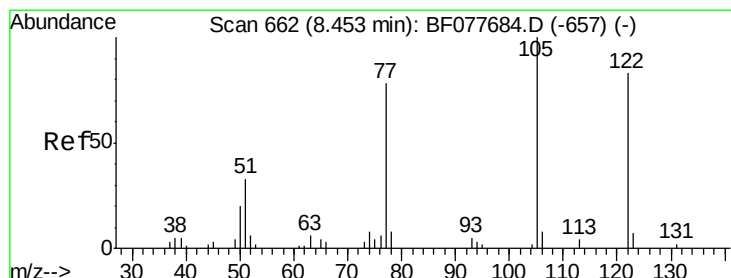
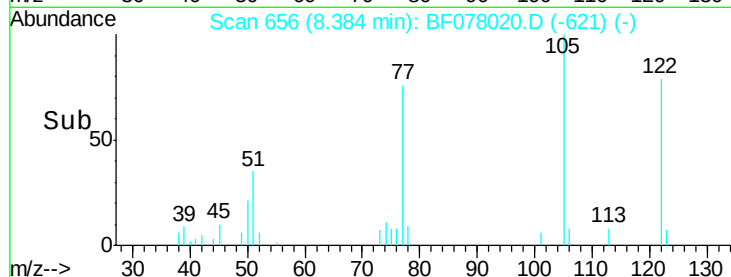
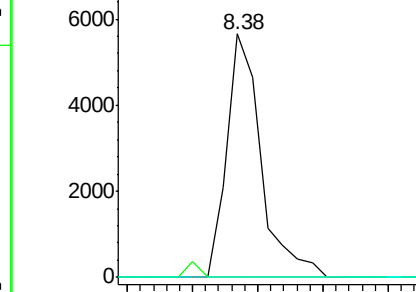
#27  
2,4-Dimethylphenol  
Concen: 4.69 ng  
RT: 8.38 min Scan# 656  
Delta R.T. 0.10 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
FD6

Tgt Ion:122 Resp: 10297  
Ion Ratio Lower Upper  
122 100  
107 0.0 84.7 127.1#  
121 0.0 46.6 69.8#

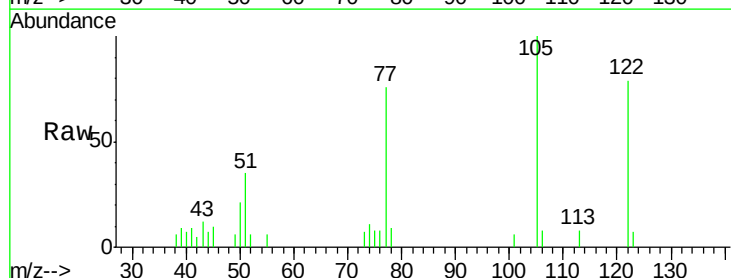


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

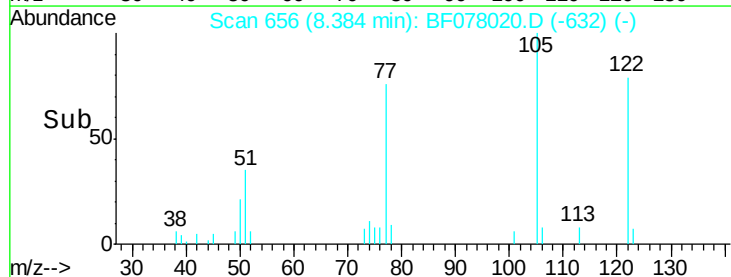
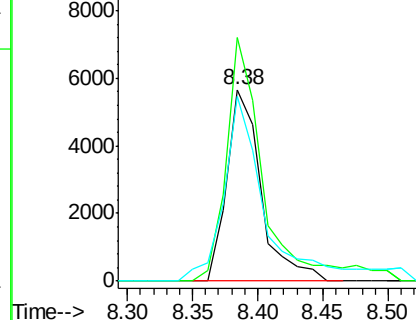


#32  
Benzoic acid  
Concen: 10.96 ng  
RT: 8.38 min Scan# 656  
Delta R.T. -0.02 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

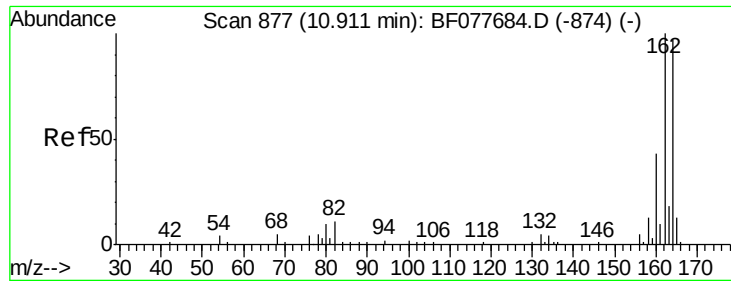
Tgt Ion:122 Resp: 10297  
Ion Ratio Lower Upper  
122 100  
105 127.3 99.9 139.9  
77 96.8 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0



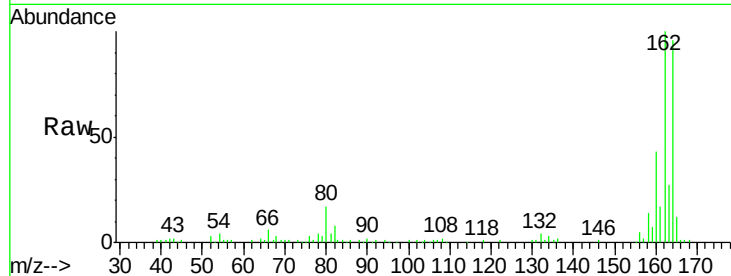




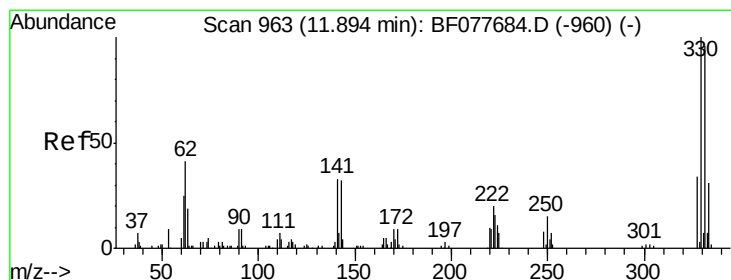
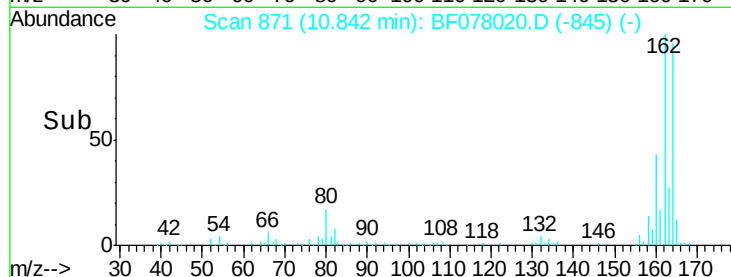
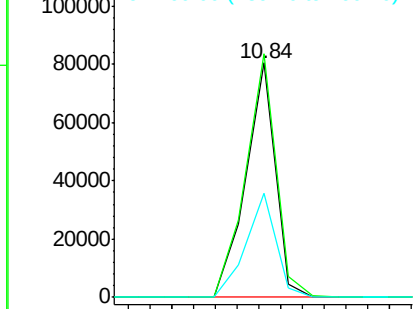
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.84 min Scan# 871  
 Delta R.T. -0.00 min  
 Lab File: BF078020.D  
 Acq: 27 Mar 2015 4:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD6

Tgt Ion:164 Resp: 75628  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 82.4 123.6  
 160 44.2 35.8 53.6

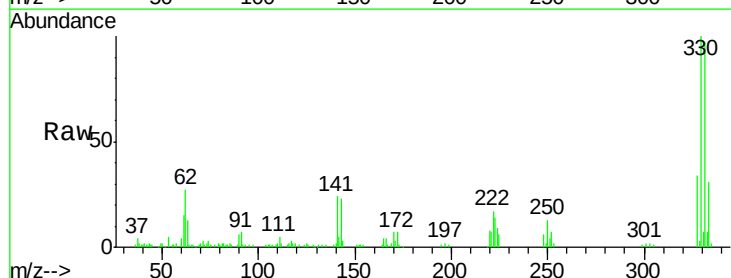


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

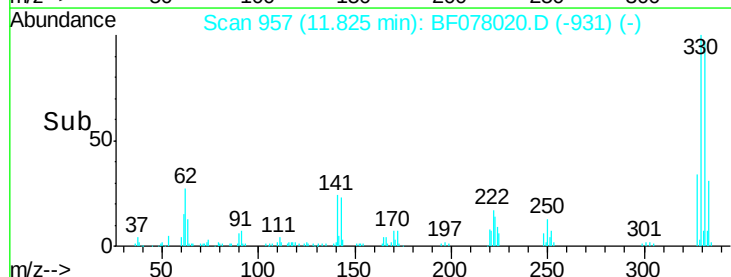
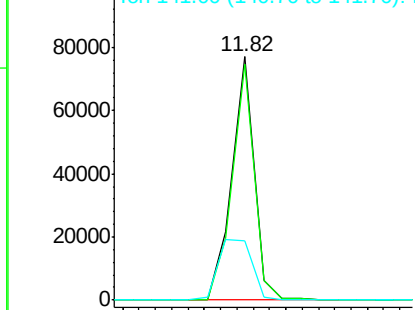


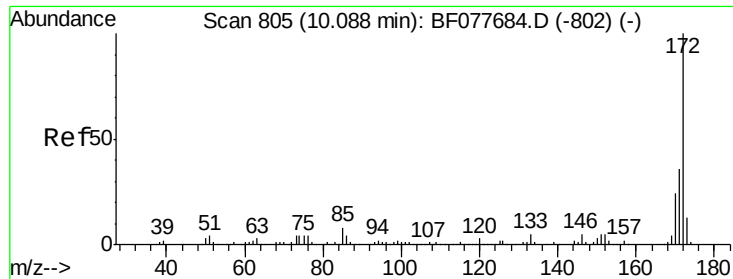
#41  
 2,4,6-Tribromophenol  
 Concen: 100.64 ng  
 RT: 11.82 min Scan# 957  
 Delta R.T. -0.00 min  
 Lab File: BF078020.D  
 Acq: 27 Mar 2015 4:33

Tgt Ion:330 Resp: 72823  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 0.0 0.0#  
 141 37.3 0.0 0.0#



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

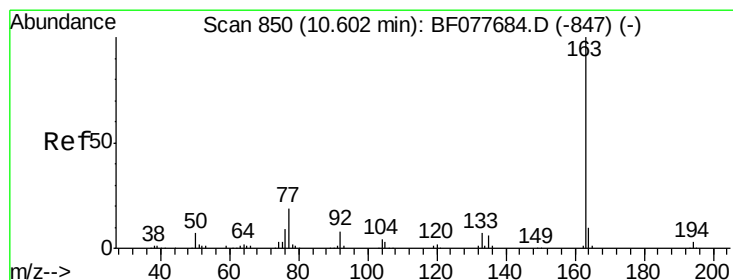
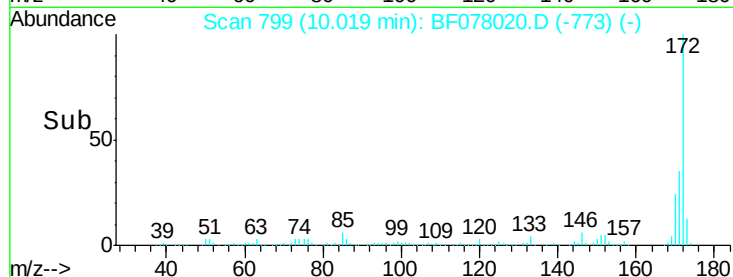
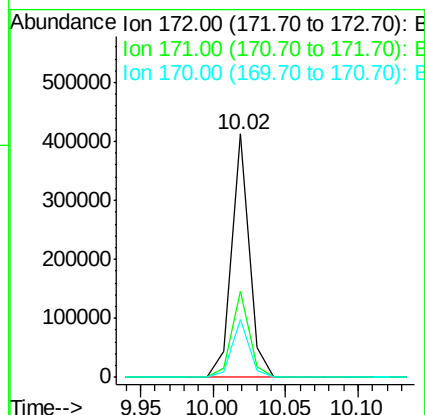
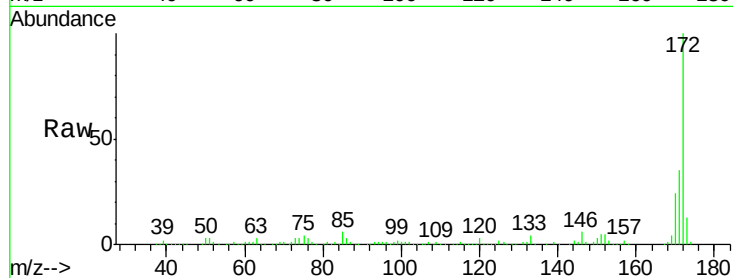




#44  
 2-Fluorobiphenyl  
 Concen: 67.76 ng  
 RT: 10.02 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BF078020.D  
 Acq: 27 Mar 2015 4:33

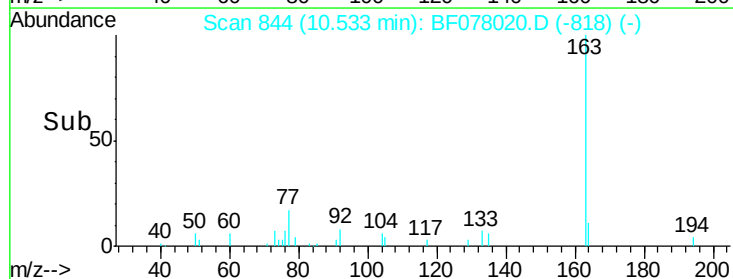
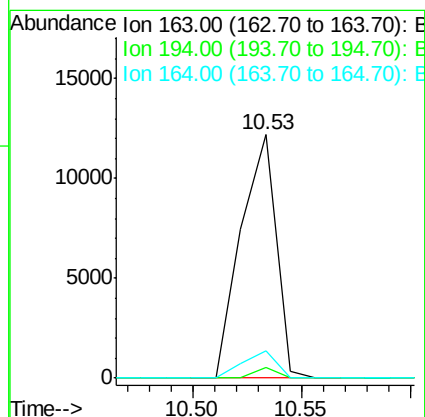
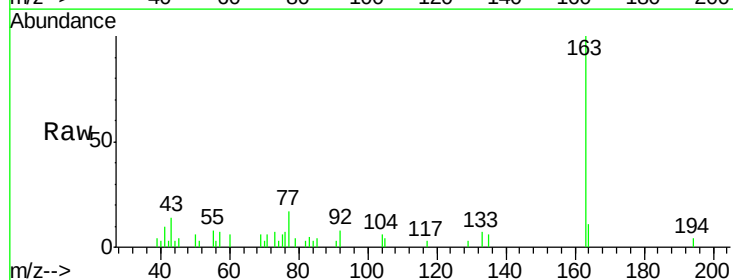
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FD6

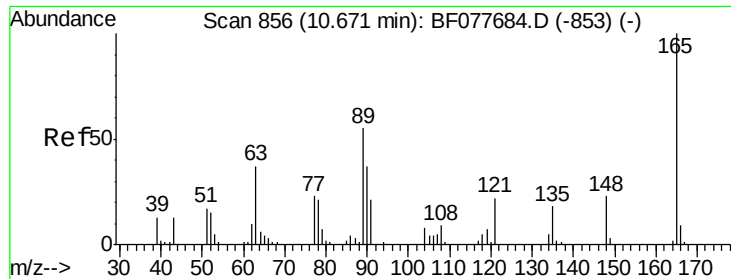
Tgt Ion:172 Resp: 348693  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.5 42.7  
 170 23.9 18.8 28.2



#49  
 Dimethylphthalate  
 Concen: 2.44 ng  
 RT: 10.53 min Scan# 844  
 Delta R.T. -0.00 min  
 Lab File: BF078020.D  
 Acq: 27 Mar 2015 4:33

Tgt Ion:163 Resp: 13708  
 Ion Ratio Lower Upper  
 163 100  
 194 4.2 2.7 4.1#  
 164 11.3 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.77 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.24 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

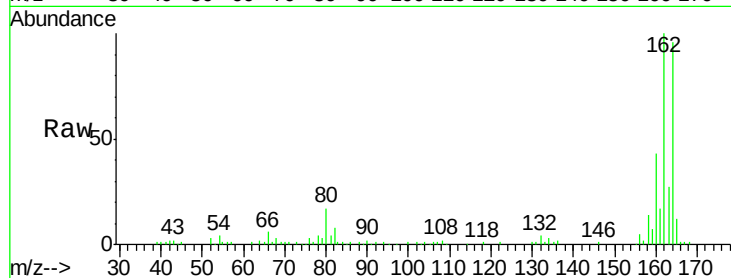
Tgt Ion:165 Resp: 10197

Ion Ratio Lower Upper

165 100

63 0.0 44.1 66.1#

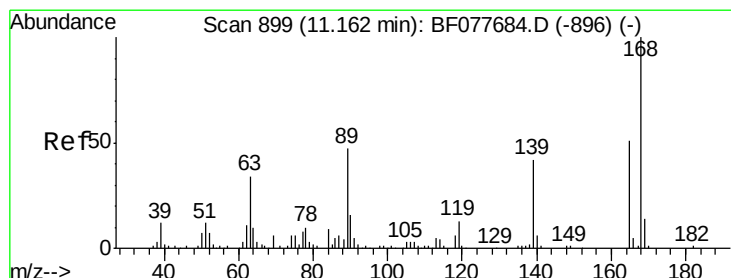
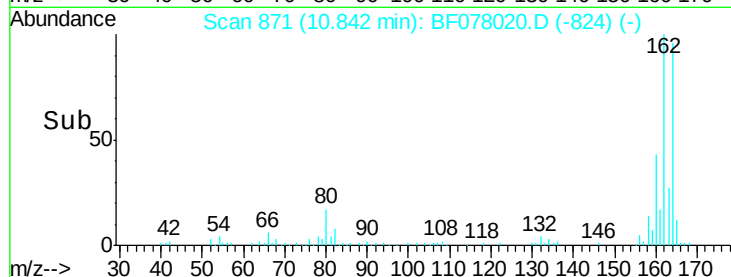
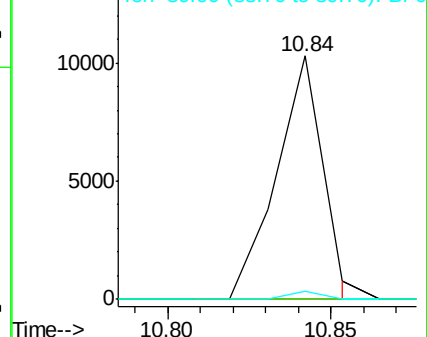
89 3.1 44.3 66.5#



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



#56

2,4-Dinitrotoluene

Concen: 6.72 ng

RT: 10.84 min Scan# 871

Delta R.T. -0.25 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Tgt Ion:165 Resp: 10194

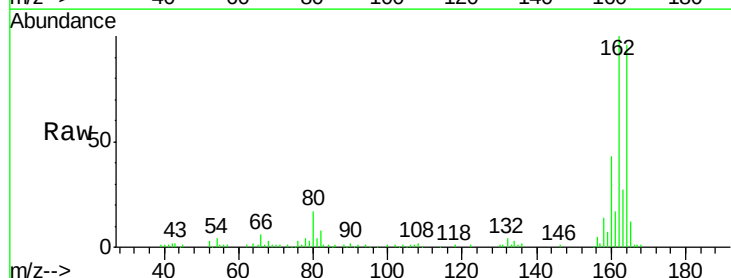
Ion Ratio Lower Upper

165 100

63 0.0 52.4 78.6#

89 3.1 72.4 108.6#

182 0.0 2.0 3.0#

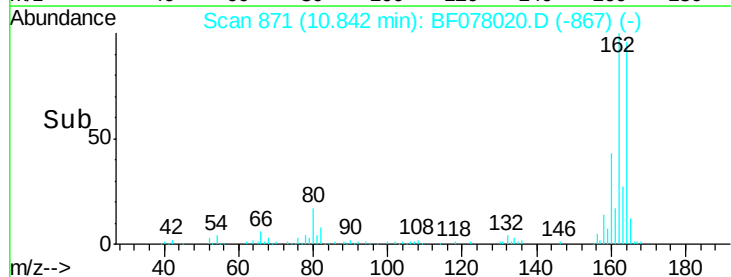
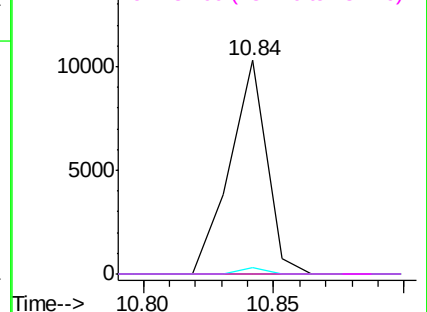


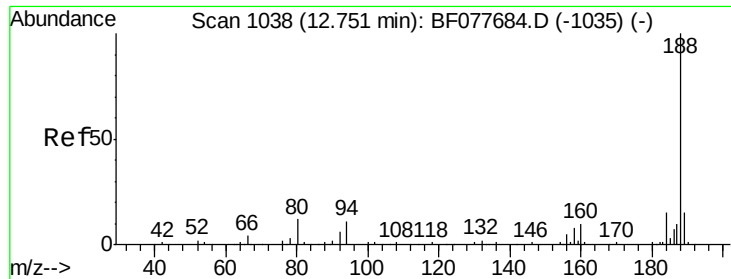
Abundance Ion 165.00 (164.70 to 165.70): E

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

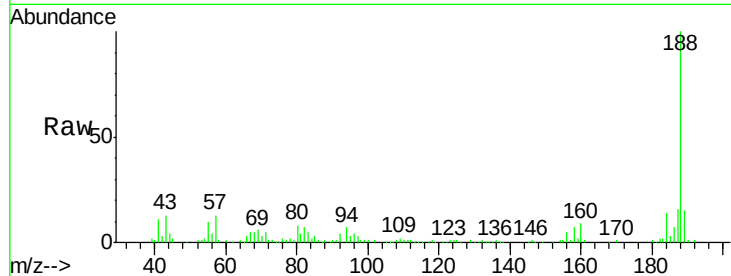




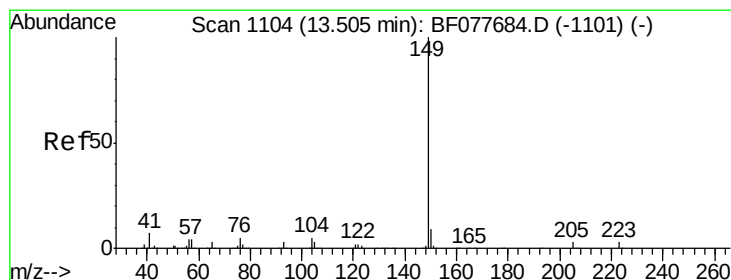
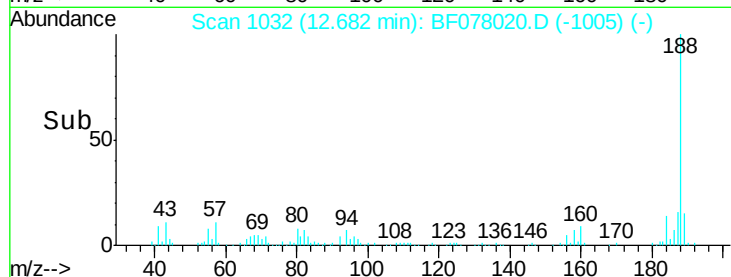
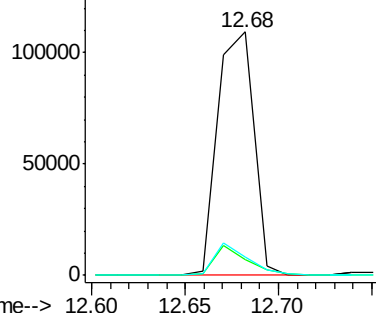
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.68 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

Instrument :  
BNA\_F  
ClientSampleId :  
FD6

Tgt Ion:188 Resp: 147728  
Ion Ratio Lower Upper  
188 100  
94 6.7 8.7 13.1#  
80 7.7 9.3 13.9#

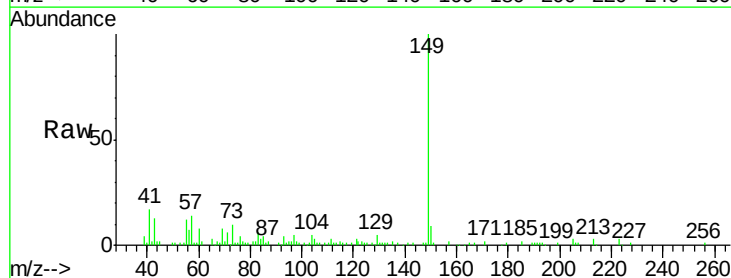


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

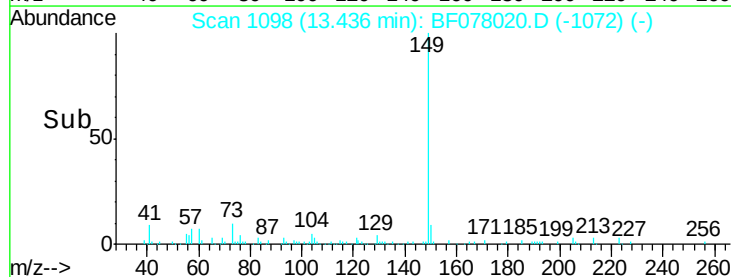
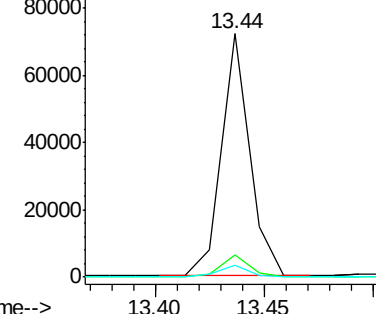


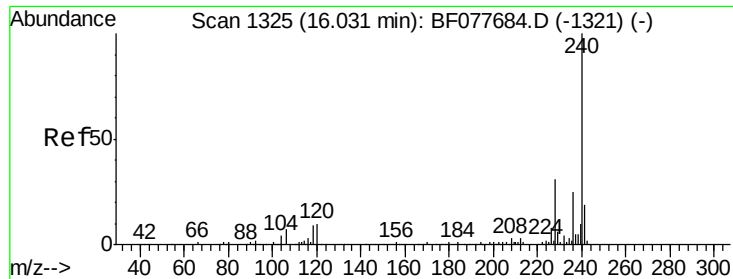
#73  
Di-n-butylphthalate  
Concen: 7.26 ng  
RT: 13.44 min Scan# 1098  
Delta R.T. -0.00 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

Tgt Ion:149 Resp: 64864  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.5 11.3  
104 4.7 3.7 5.5



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.95 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

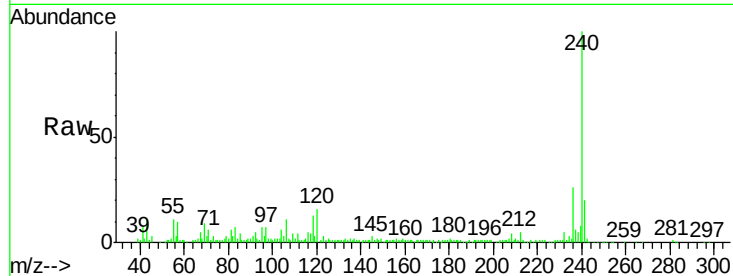
Tgt Ion:240 Resp: 155509

Ion Ratio Lower Upper

240 100

120 15.6 8.2 12.2#

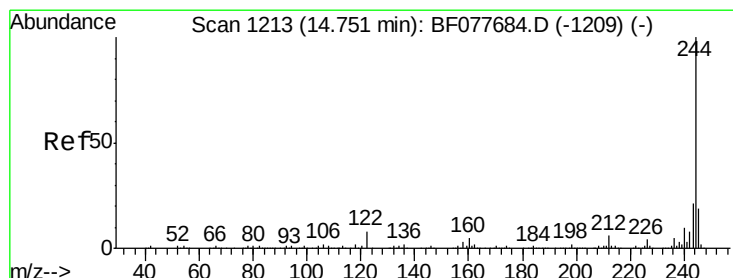
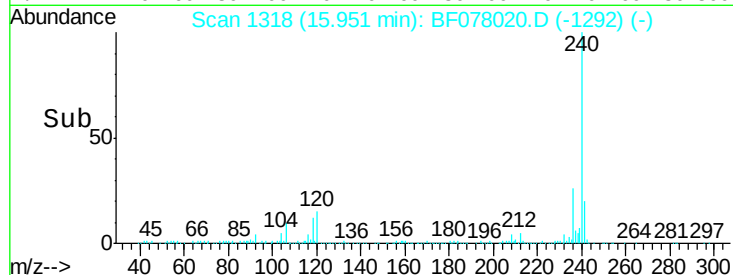
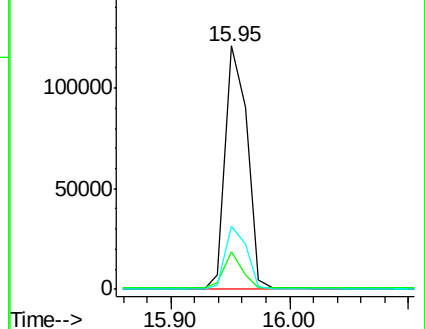
236 25.8 20.0 30.0



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



#78

Terphenyl-d14

Concen: 61.32 ng

RT: 14.67 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

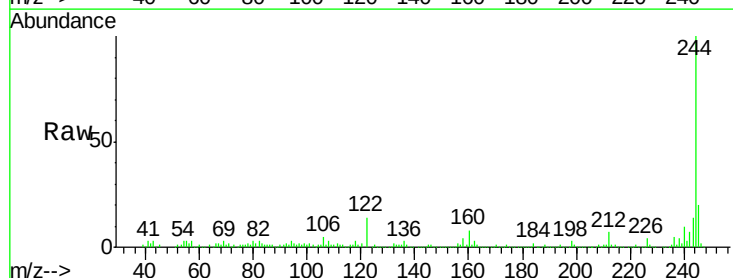
Tgt Ion:244 Resp: 390385

Ion Ratio Lower Upper

244 100

212 6.9 4.9 7.3

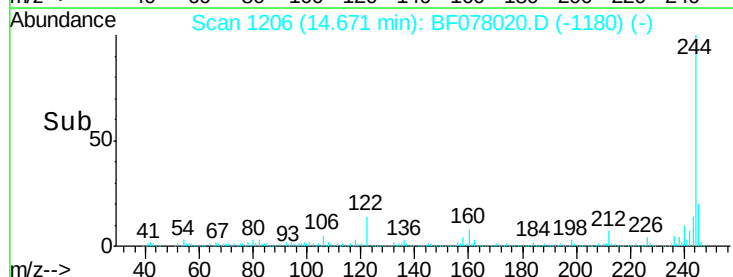
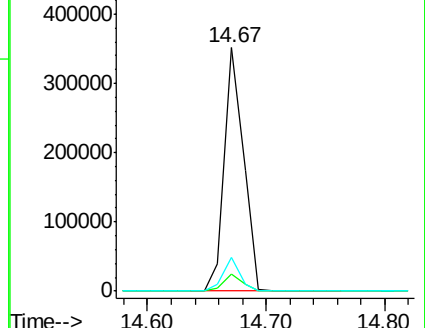
122 13.7 6.2 9.4#

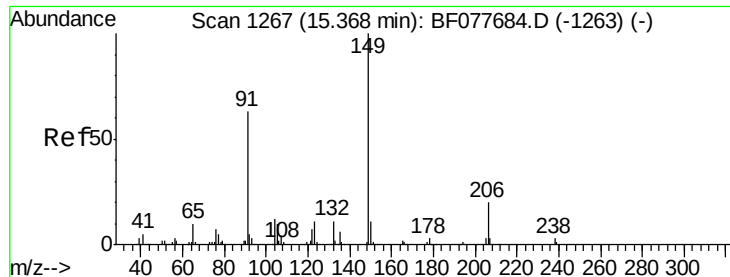


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

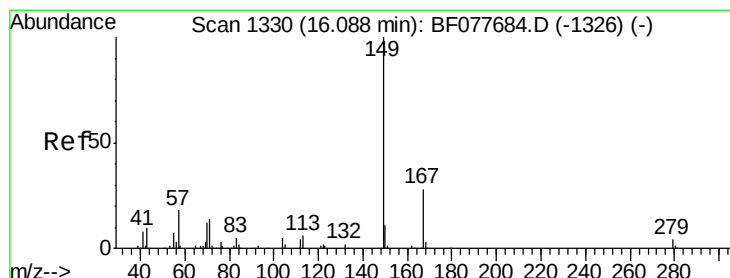
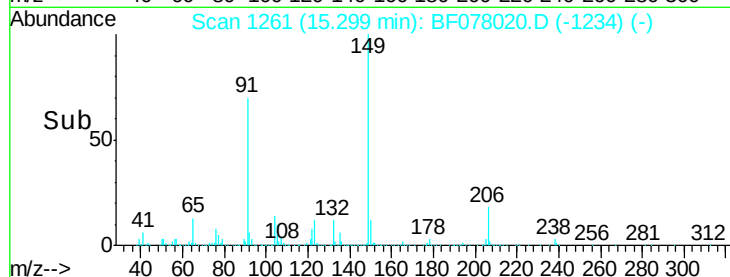
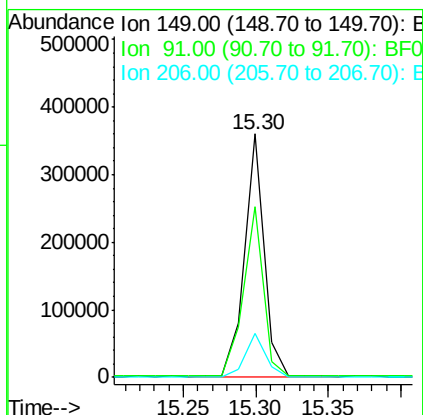
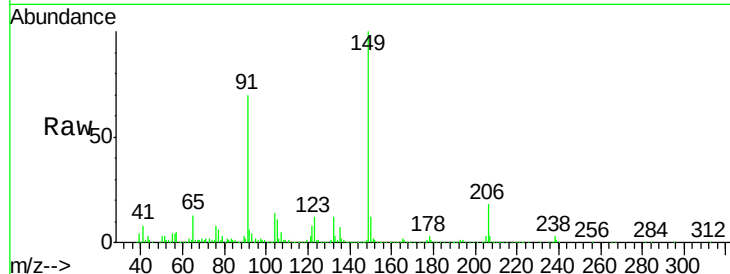




#79  
Butylbenzylphthalate  
Concen: 87.62 ng  
RT: 15.30 min Scan# 1261  
Delta R.T. 0.01 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

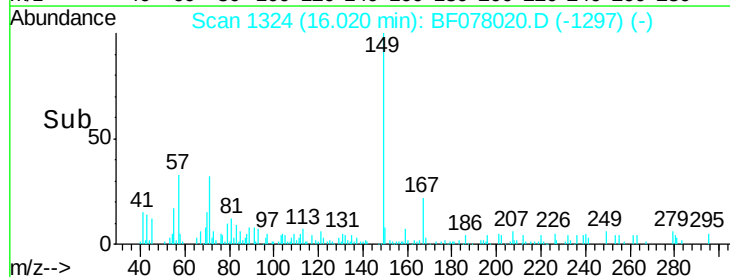
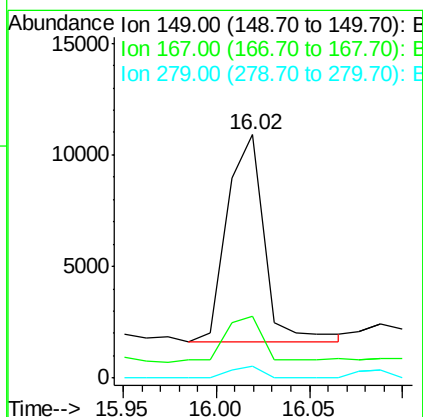
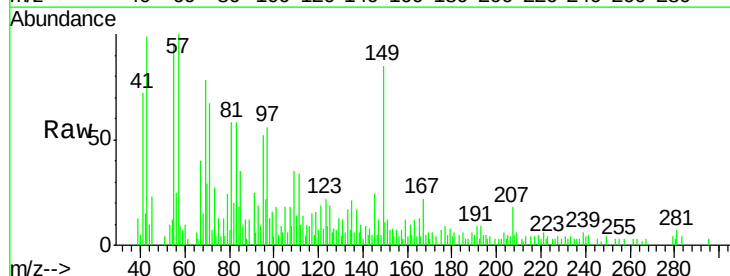
Instrument :  
BNA\_F  
ClientSampleId :  
FD6

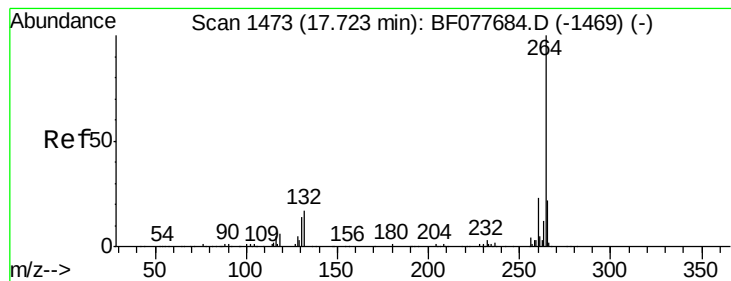
Tgt Ion:149 Resp: 337831  
Ion Ratio Lower Upper  
149 100  
91 70.1 50.1 75.1  
206 18.3 16.2 24.2



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 2.24 ng  
RT: 16.02 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: BF078020.D  
Acq: 27 Mar 2015 4:33

Tgt Ion:149 Resp: 13087  
Ion Ratio Lower Upper  
149 100  
167 25.6 22.4 33.6  
279 4.9 3.4 5.0





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.65 min Scan# 1467

Delta R.T. 0.02 min

Lab File: BF078020.D

Acq: 27 Mar 2015 4:33

Instrument :

BNA\_F

ClientSampleId :

FD6

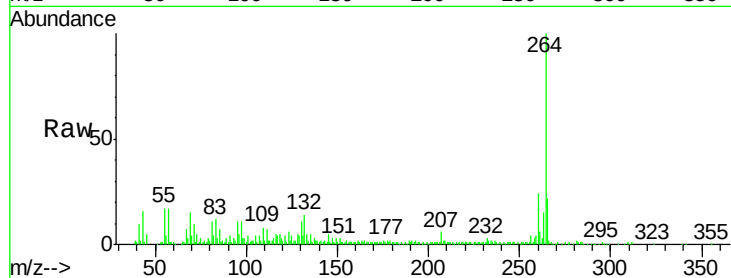
Tgt Ion: 264 Resp: 151340

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 21.7 17.3 25.9



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

