

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032415\  
 Data File : BF077940.D  
 Acq On : 25 Mar 2015 6:57  
 Operator : TP/IZ  
 Sample : G1615-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-1

Quant Time: Mar 25 06:47:08 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 25 04:36:48 2015  
 Response via : Initial Calibration

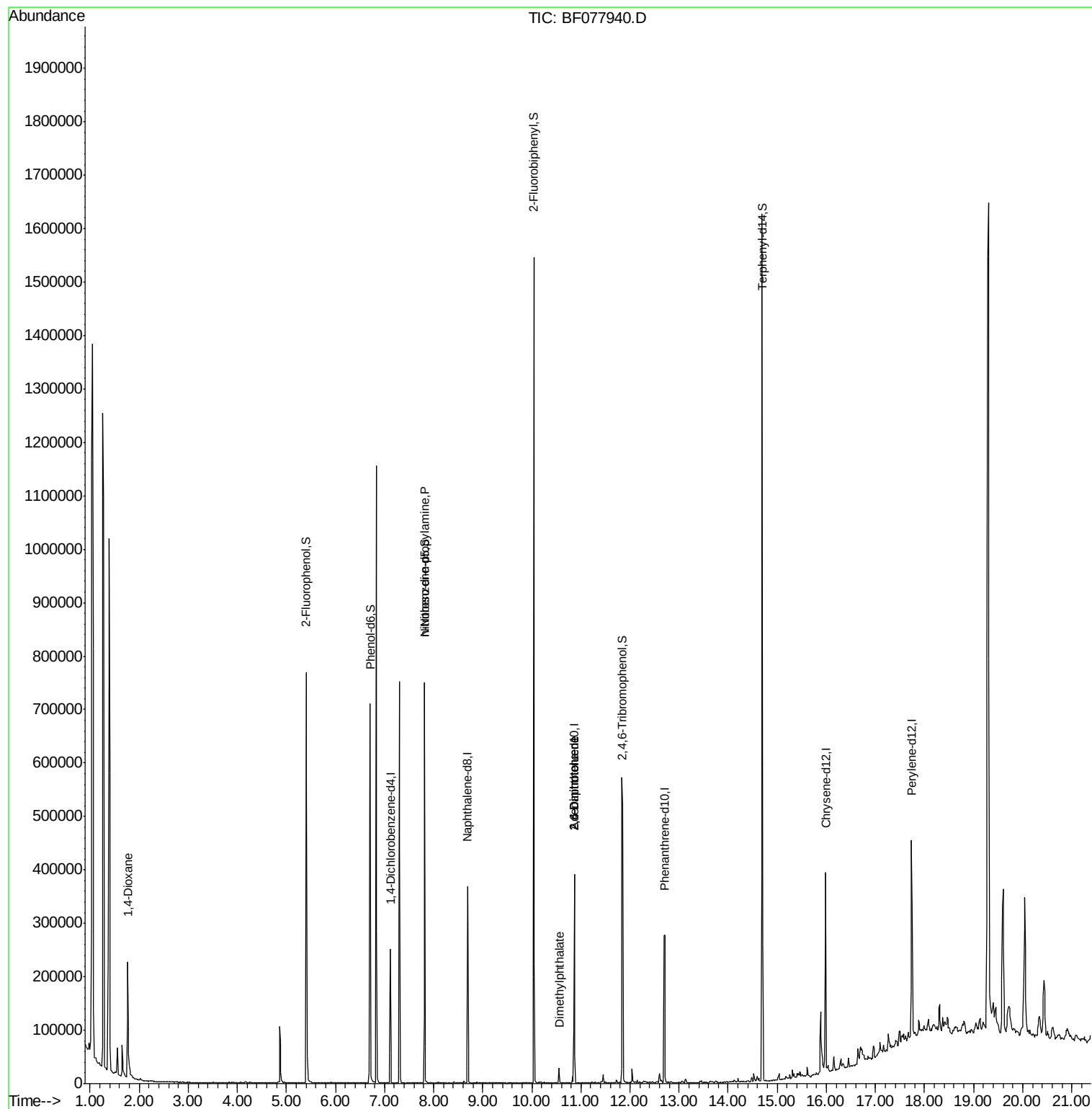
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.12  | 152  | 39681    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.69  | 136  | 163743   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.86 | 164  | 82001    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.71 | 188  | 162457   | 20.00  | ng    | 0.01     |
| 75) Chrysene-d12               | 15.99 | 240  | 177929   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 17.73 | 264  | 176569   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 310981   | 136.80 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.70  | 99   | 394578   | 140.49 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.81  | 82   | 231496   | 92.67  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.85 | 330  | 97032    | 123.68 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 10.04 | 172  | 482222   | 86.42  | ng    | 0.00     |
| 78) Terphenyl-d14              | 14.69 | 244  | 548430   | 75.29  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 1.77  | 88   | 10595    | 10.27  | ng    | # 100    |
| 19) n-Nitroso-di-n-propylamine | 7.81  | 70   | 29367    | 15.11  | ng    | # 81     |
| 49) Dimethylphthalate          | 10.56 | 163  | 17184    | 2.83   | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 10.86 | 165  | 10919    | 8.66   | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.86 | 165  | 10920    | 6.64   | ng    | # 11     |

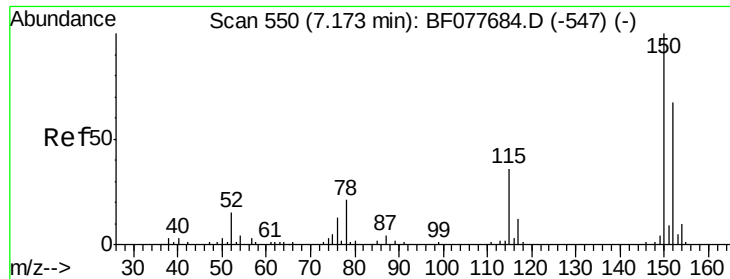
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 25 04:36:48 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Instrument :

BNA\_F

ClientSampleId :

SB-18-1

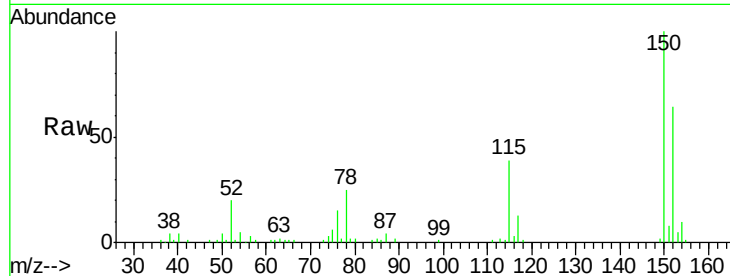
Tgt Ion:152 Resp: 39681

Ion Ratio Lower Upper

152 100

150 157.0 119.5 179.3

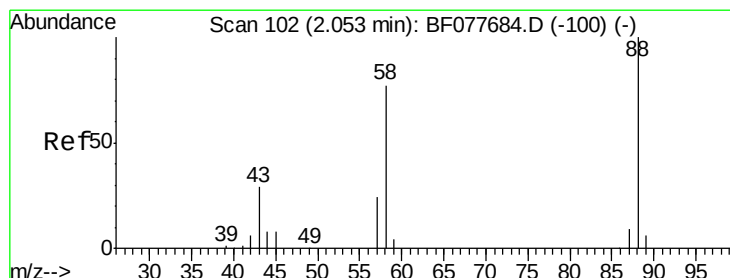
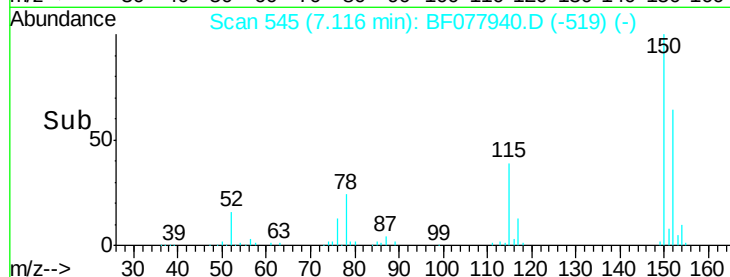
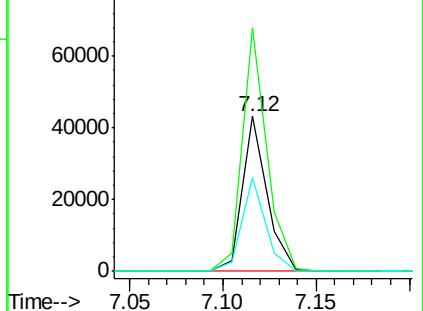
115 60.8 43.0 64.4



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



#2

1,4-Dioxane

Concen: 10.27 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.22 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

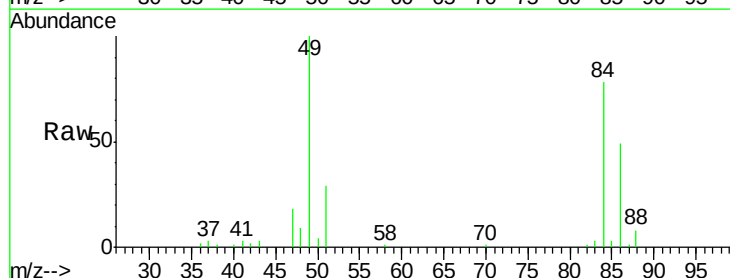
Tgt Ion: 88 Resp: 10595

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

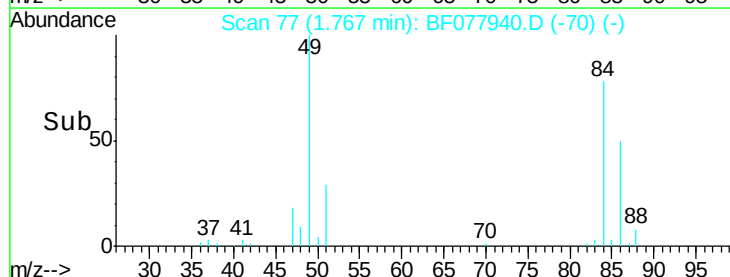
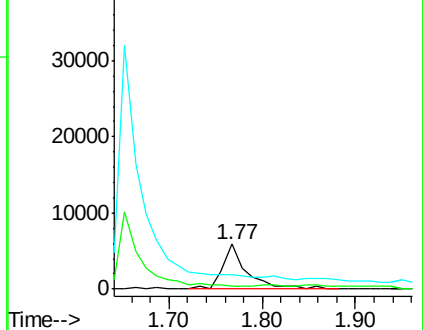
43 0.0 0.0 0.0

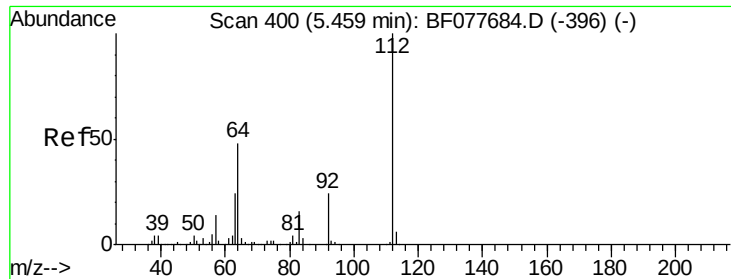


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 136.80 ng

RT: 5.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Instrument :

BNA\_F

ClientSampleId :

SB-18-1

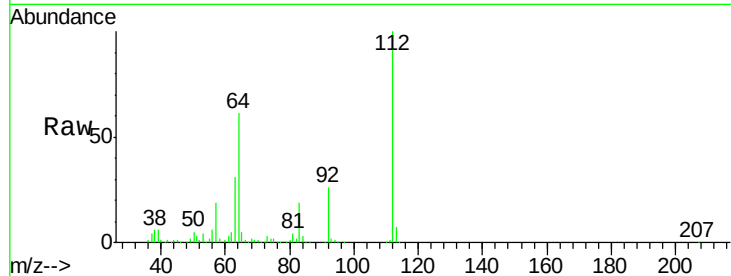
Tgt Ion: 112 Resp: 310981

Ion Ratio Lower Upper

112 100

64 61.2 38.6 57.8#

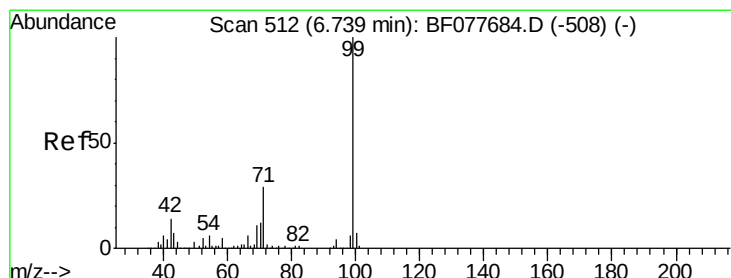
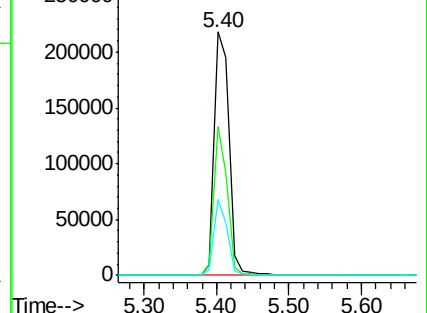
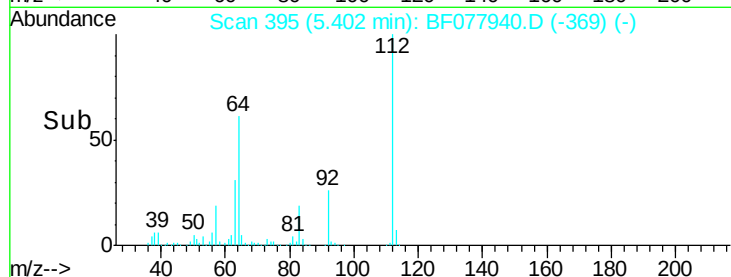
63 31.4 19.3 28.9#



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: 140.49 ng

RT: 6.70 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

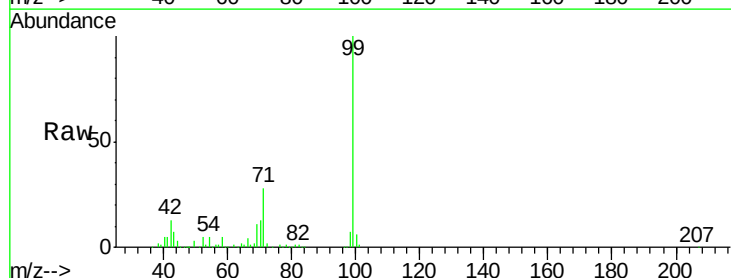
Tgt Ion: 99 Resp: 394578

Ion Ratio Lower Upper

99 100

42 12.9 11.0 16.4

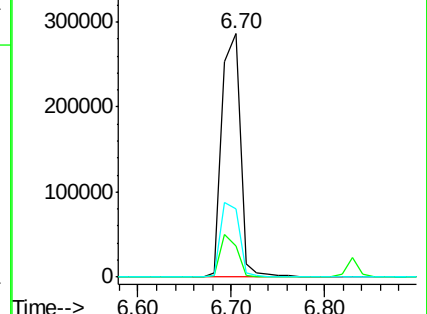
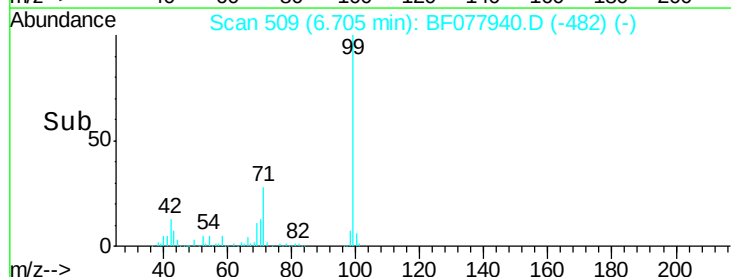
71 27.9 23.4 35.2

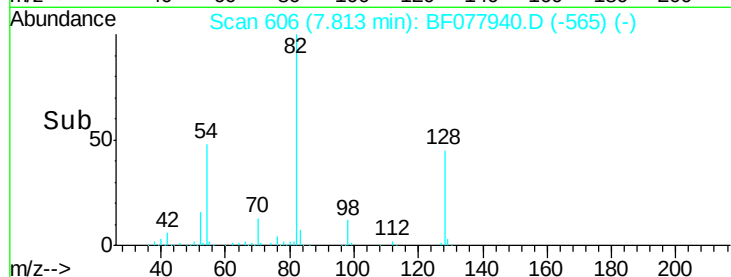
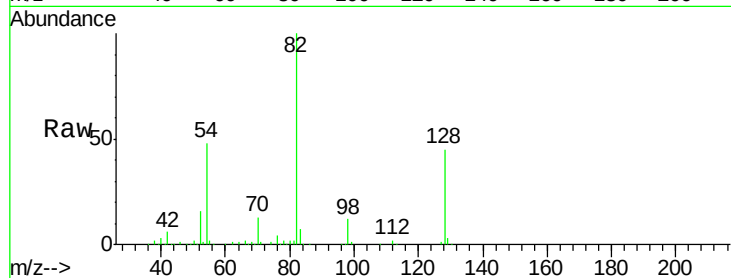
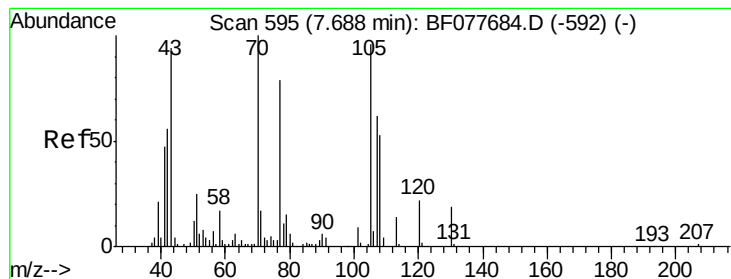


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.11 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.17 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Instrument :

BNA\_F

ClientSampleId :

SB-18-1

Tgt Ion: 70 Resp: 29367

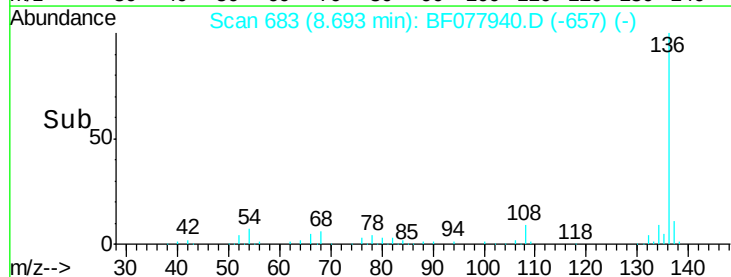
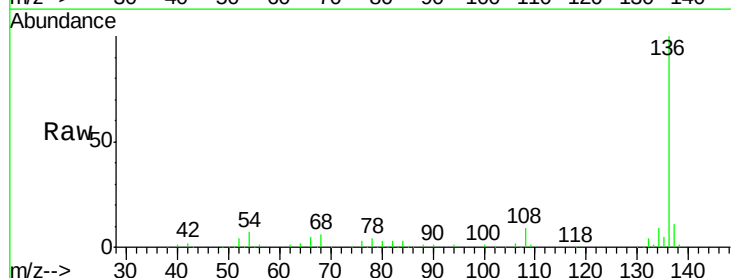
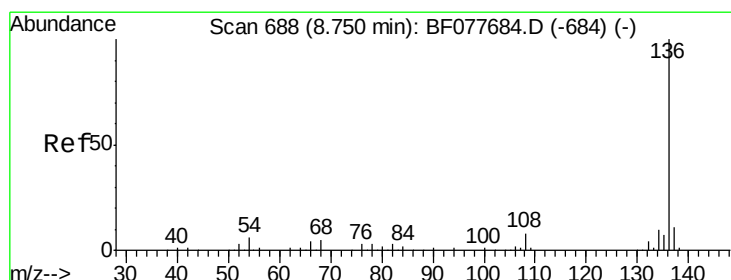
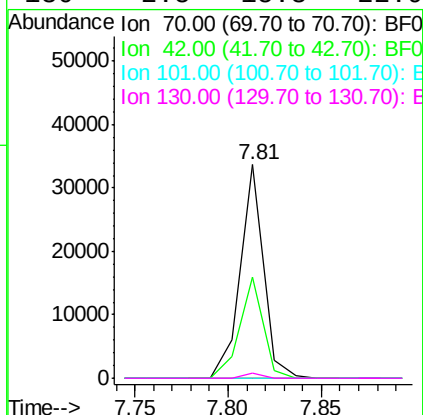
Ion Ratio Lower Upper

70 100

42 47.3 44.5 66.7

101 0.0 7.4 11.2#

130 2.5 15.3 22.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Tgt Ion: 136 Resp: 163743

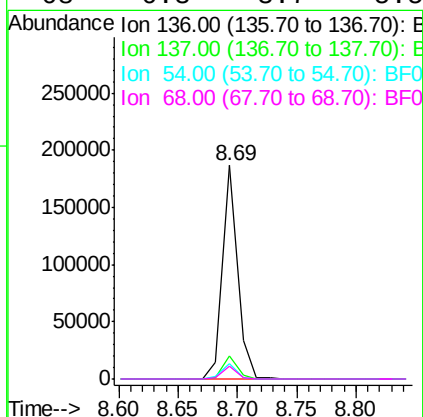
Ion Ratio Lower Upper

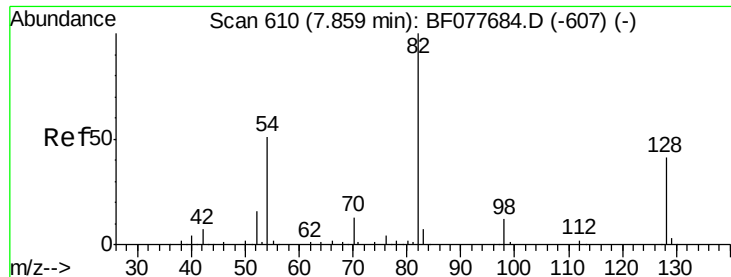
136 100

137 10.7 8.7 13.1

54 7.5 4.6 6.8#

68 6.3 3.7 5.5#

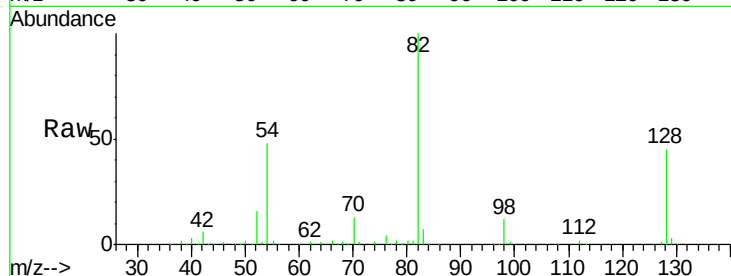




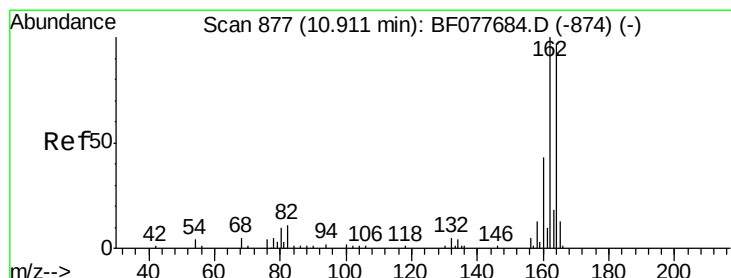
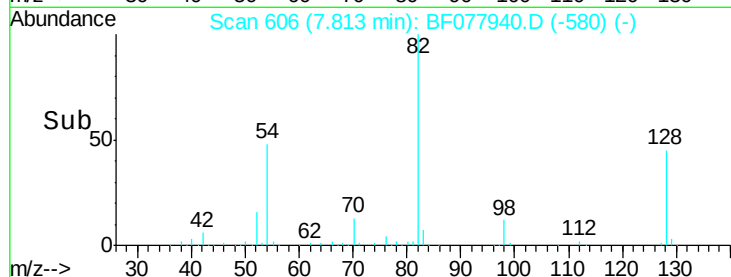
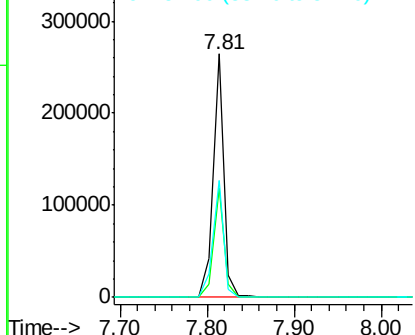
#23  
Nitrobenzene-d5  
Concen: 92.67 ng  
RT: 7.81 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: BF077940.D  
Acq: 25 Mar 2015 6:57

Instrument :  
BNA\_F  
ClientSampled :  
SB-18-1

Tgt Ion: 82 Resp: 231496  
Ion Ratio Lower Upper  
82 100  
128 45.0 32.8 49.2  
54 48.1 40.6 60.8

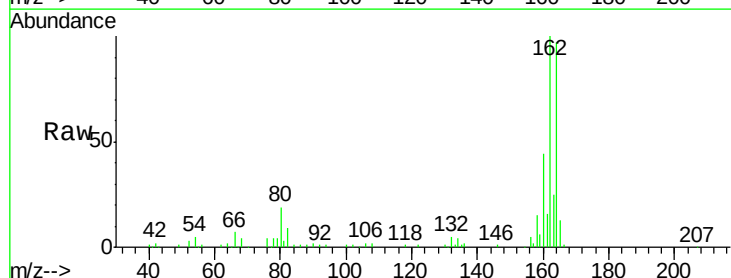


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

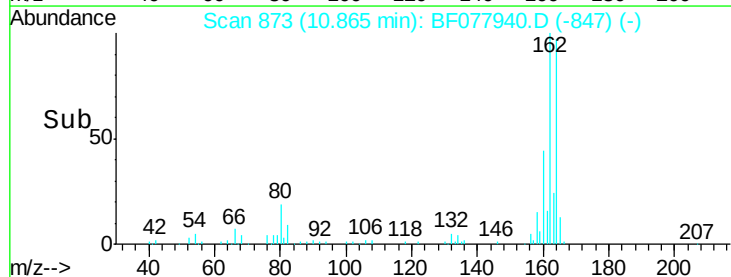
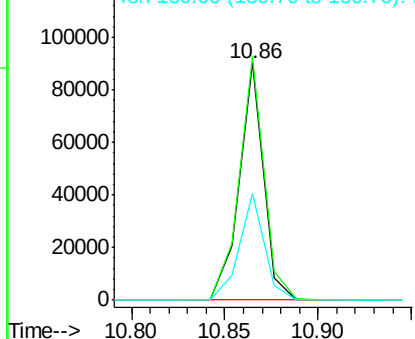


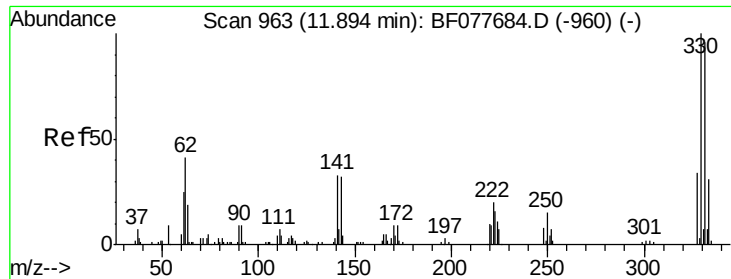
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.86 min Scan# 873  
Delta R.T. -0.00 min  
Lab File: BF077940.D  
Acq: 25 Mar 2015 6:57

Tgt Ion: 164 Resp: 82001  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.4 123.6  
160 44.9 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

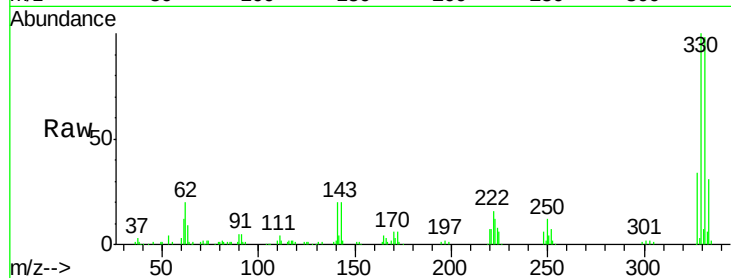




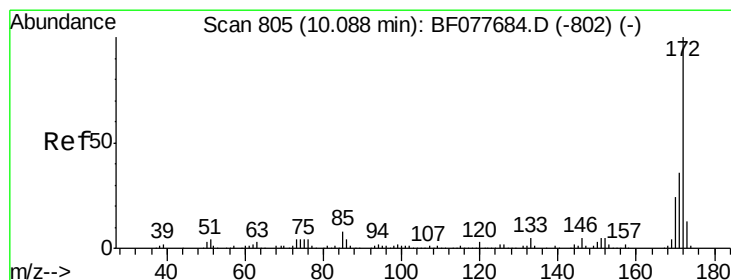
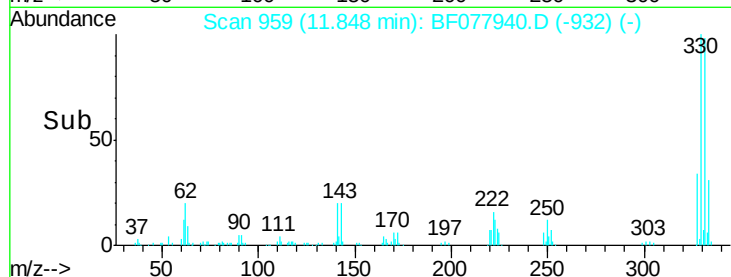
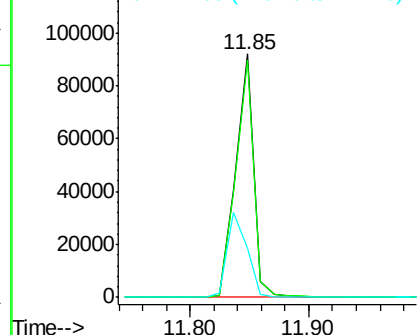
#41  
 2,4,6-Tribromophenol  
 Concen: 123.68 ng  
 RT: 11.85 min Scan# 959  
 Delta R.T. 0.01 min  
 Lab File: BF077940.D  
 Acq: 25 Mar 2015 6:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 0.0   | 0.0#  |
| 141     | 38.1  | 0.0   | 0.0#  |

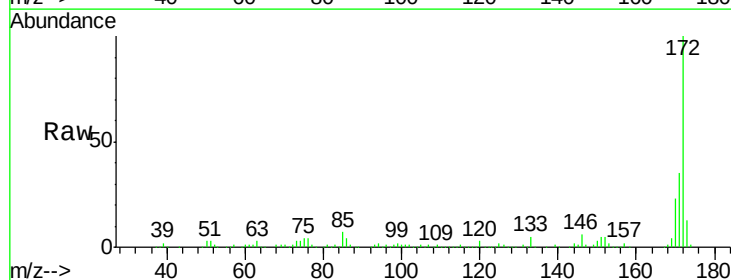


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

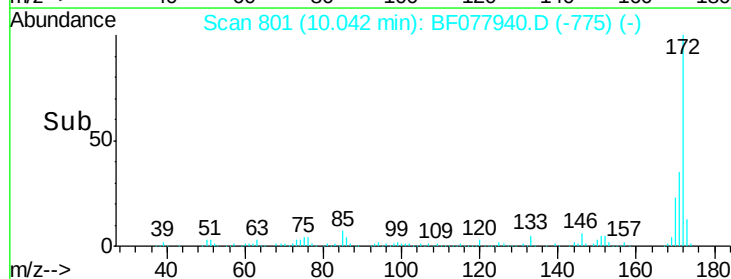
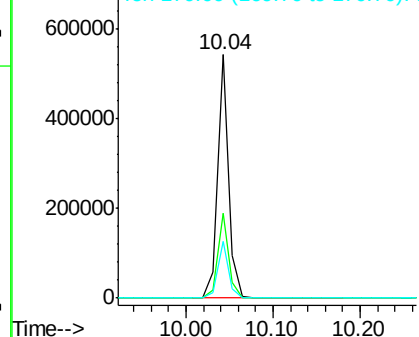


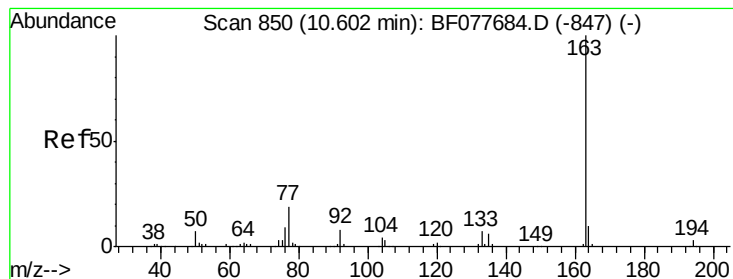
#44  
 2-Fluorobiphenyl  
 Concen: 86.42 ng  
 RT: 10.04 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF077940.D  
 Acq: 25 Mar 2015 6:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 28.5  | 42.7  |
| 170     | 23.2  | 18.8  | 28.2  |



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: 2.83 ng

RT: 10.56 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Instrument :

BNA\_F

ClientSampleId :

SB-18-1

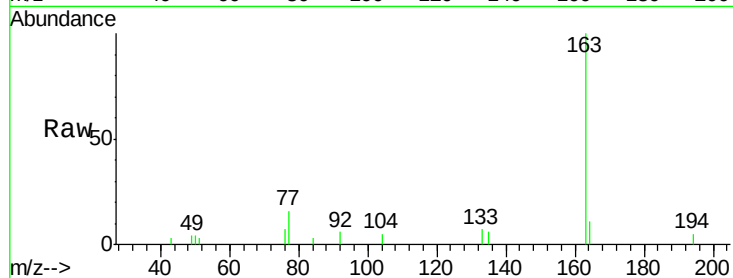
Tgt Ion:163 Resp: 17184

Ion Ratio Lower Upper

163 100

194 4.7 2.7 4.1#

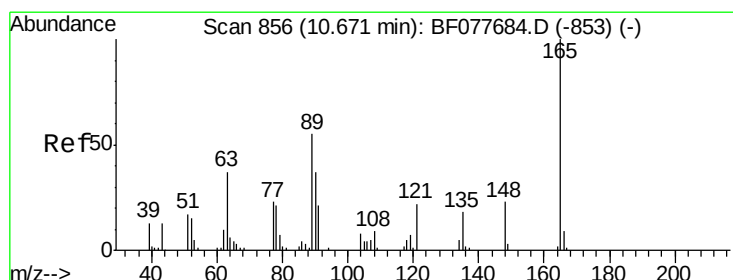
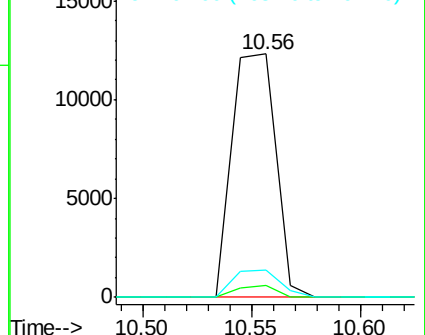
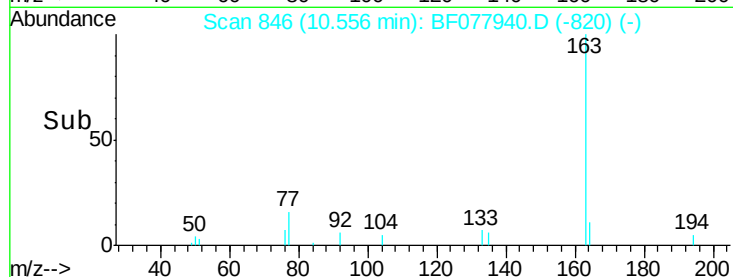
164 11.3 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.66 ng

RT: 10.86 min Scan# 873

Delta R.T. 0.24 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

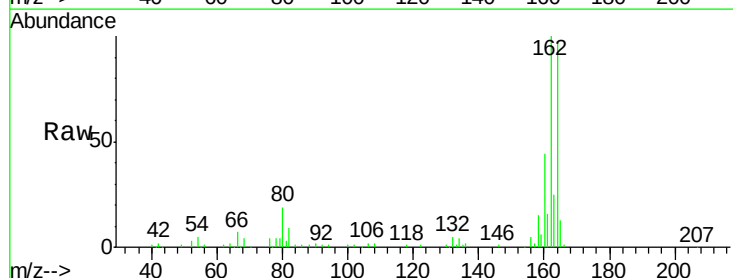
Tgt Ion:165 Resp: 10919

Ion Ratio Lower Upper

165 100

63 0.0 44.1 66.1#

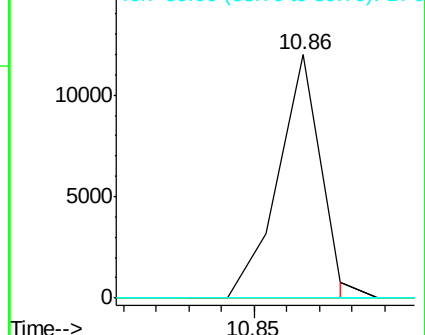
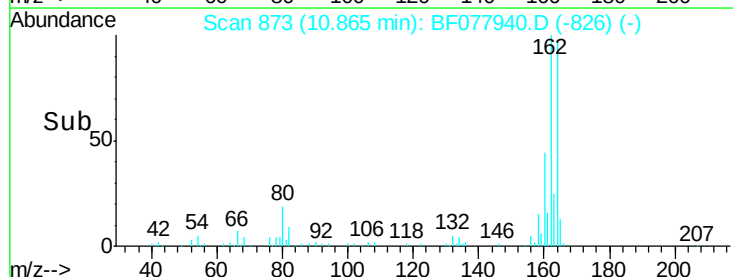
89 0.0 44.3 66.5#



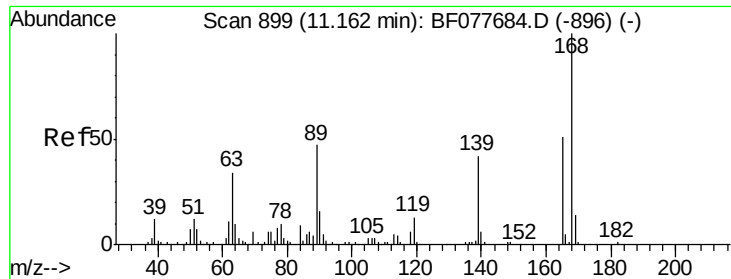
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



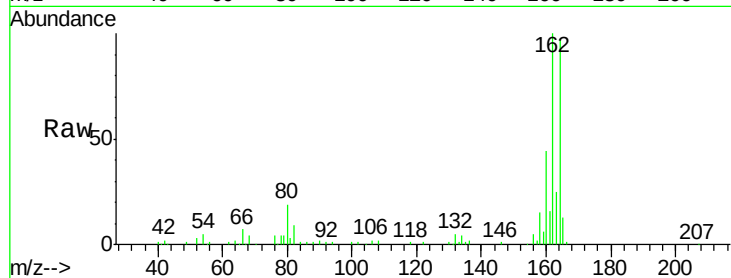




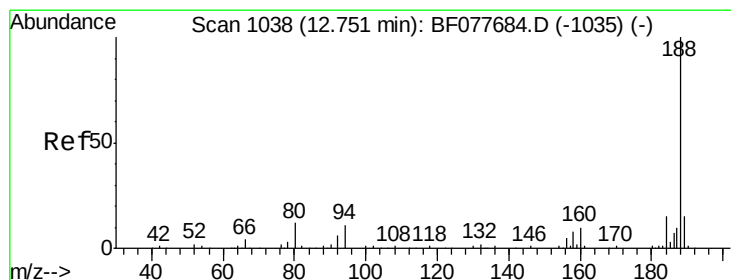
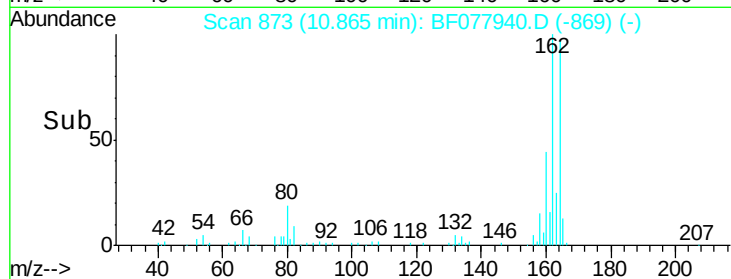
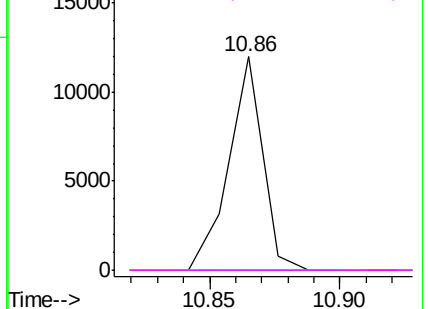
#56  
 2,4-Dinitrotoluene  
 Concen: 6.64 ng  
 RT: 10.86 min Scan# 873  
 Delta R.T. -0.25 min  
 Lab File: BF077940.D  
 Acq: 25 Mar 2015 6:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-1

Tgt Ion:165 Resp: 10920  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 52.4 78.6#  
 89 0.0 72.4 108.6#  
 182 0.0 2.0 3.0#

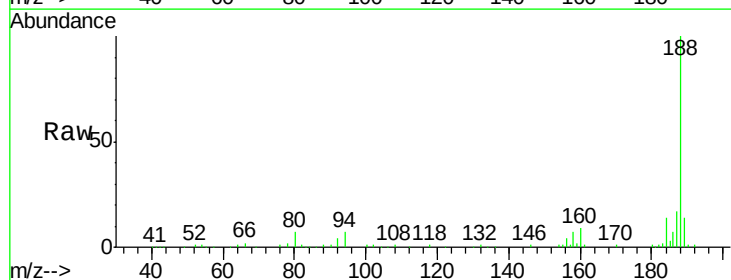


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

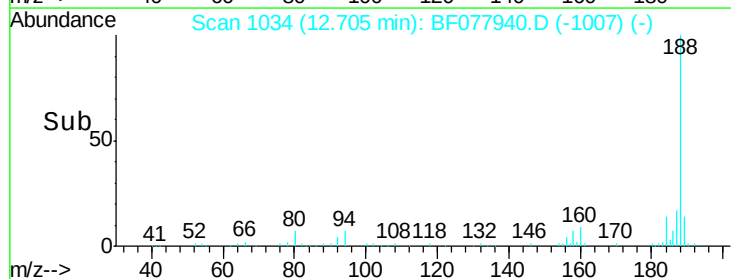
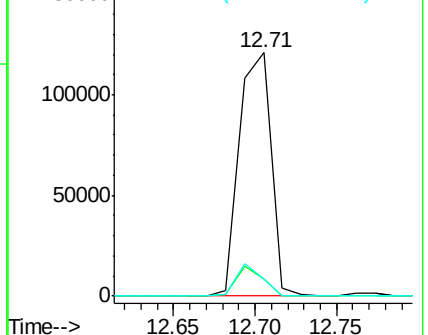


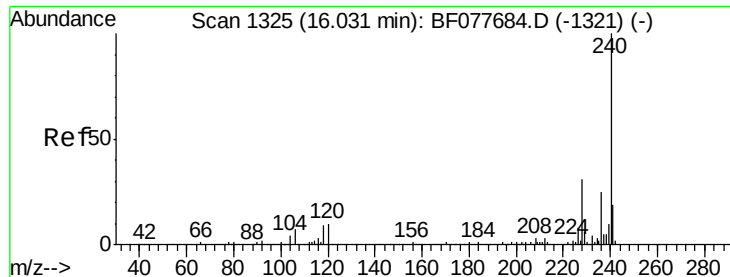
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.71 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: BF077940.D  
 Acq: 25 Mar 2015 6:57

Tgt Ion:188 Resp: 162457  
 Ion Ratio Lower Upper  
 188 100  
 94 7.2 8.7 13.1#  
 80 7.0 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.99 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

Instrument :

BNA\_F

ClientSampleId :

SB-18-1

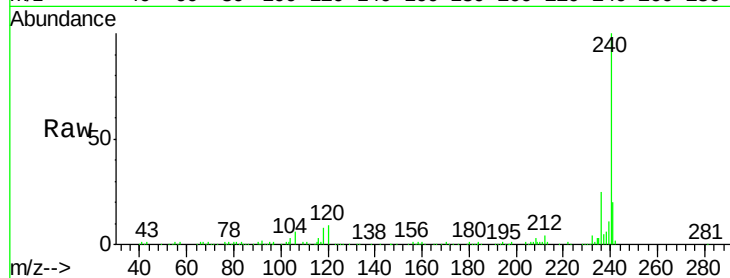
Tgt Ion:240 Resp: 177929

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

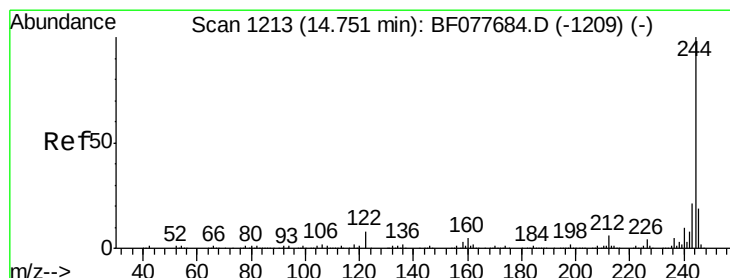
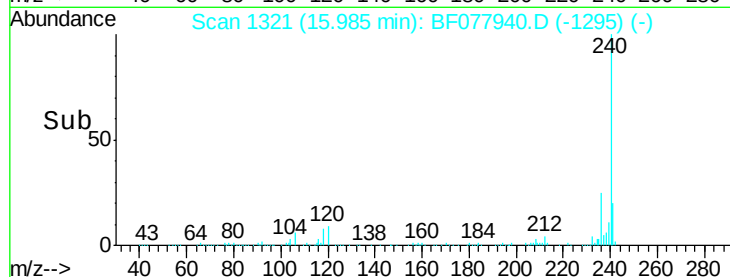
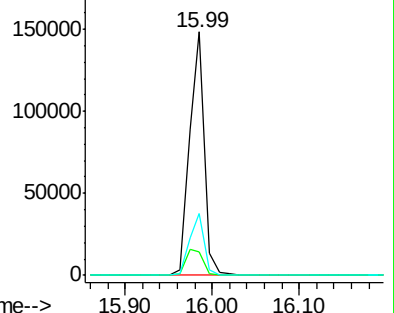
236 25.3 20.0 30.0



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: 75.29 ng

RT: 14.69 min Scan# 1208

Delta R.T. -0.00 min

Lab File: BF077940.D

Acq: 25 Mar 2015 6:57

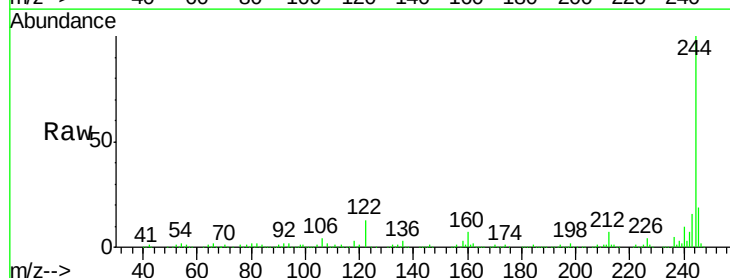
Tgt Ion:244 Resp: 548430

Ion Ratio Lower Upper

244 100

212 7.0 4.9 7.3

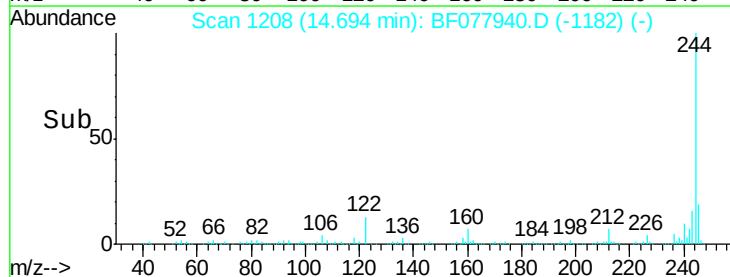
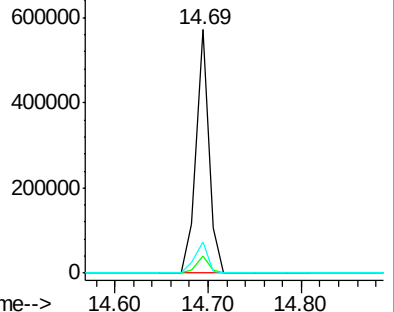
122 12.5 6.2 9.4#

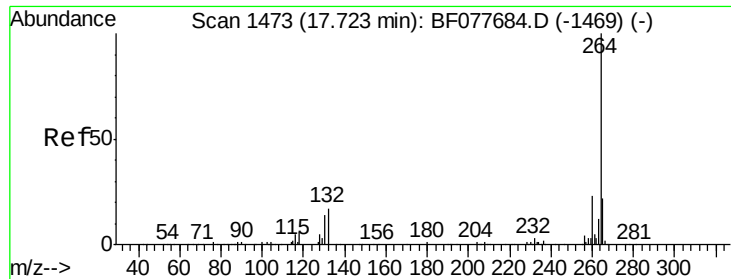


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.73 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BF077940.D  
Acq: 25 Mar 2015 6:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.6  | 27.8  |
| 265     | 21.8  | 17.3  | 25.9  |

