

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052215\  
 Data File : BF079440.D  
 Acq On : 22 May 2015 18:34  
 Operator : TP/IZ  
 Sample : G2355-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANKSAMPLE1

Quant Time: May 22 23:02:52 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 22 22:53:44 2015  
 Response via : Initial Calibration

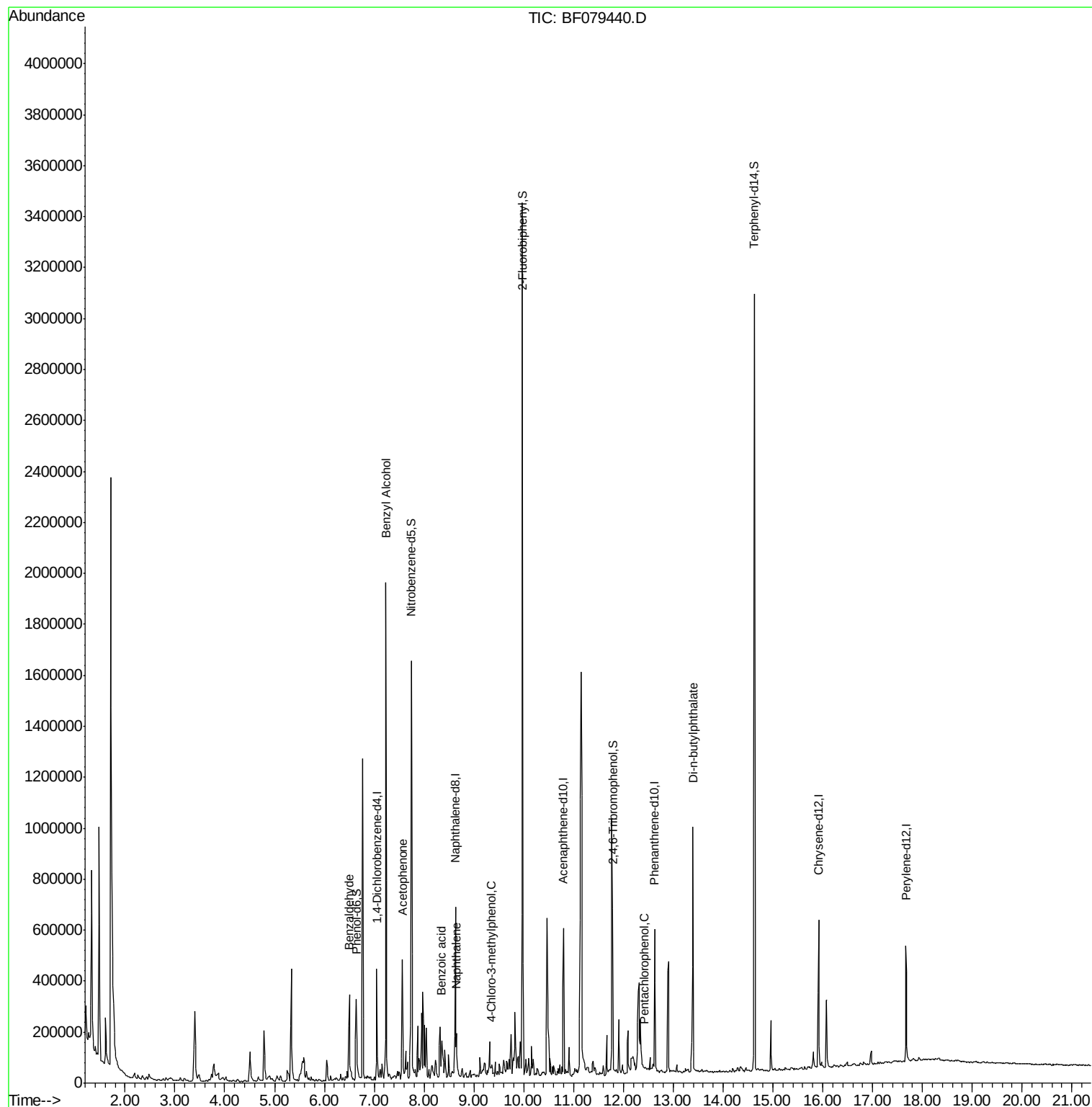
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.05  | 152  | 66391    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.63  | 136  | 281485   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.80 | 164  | 137168   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 12.63 | 188  | 254320   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 15.92 | 240  | 245692   | 20.00  | ng    | -0.05     |
| 86) Perylene-d12            | 17.67 | 264  | 236731   | 20.00  | ng    | -0.18     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00   | ng    |           |
| 7) Phenol-d6                | 6.64  | 99   | 128992   | 25.30  | ng    | 0.01      |
| 23) Nitrobenzene-d5         | 7.75  | 82   | 524889   | 107.17 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 11.78 | 330  | 158139   | 106.57 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.98  | 172  | 1033085  | 104.93 | ng    | 0.00      |
| 78) Terphenyl-d14           | 14.63 | 244  | 1092148  | 106.42 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 9) Benzaldehyde             | 6.50  | 77   | 87679    | 25.53  | ng    | Qvalue 87 |
| 15) Benzyl Alcohol          | 7.23  | 79   | 20173    | 5.33   | ng    | # 52      |
| 22) Acetophenone            | 7.56  | 105  | 138601   | 21.79  | ng    | # 86      |
| 31) Naphthalene             | 8.65  | 128  | 74073    | 5.52   | ng    | 98        |
| 32) Benzoic acid            | 8.35  | 122  | 33773    | 17.96  | ng    | 93        |
| 36) 4-Chloro-3-methylphenol | 9.35  | 107  | 9202     | 2.45   | ng    | # 16      |
| 69) Pentachlorophenol       | 12.42 | 266  | 578      | 7.14   | ng    | # 36      |
| 73) Di-n-butylphthalate     | 13.39 | 149  | 551590   | 34.57  | ng    | 99        |

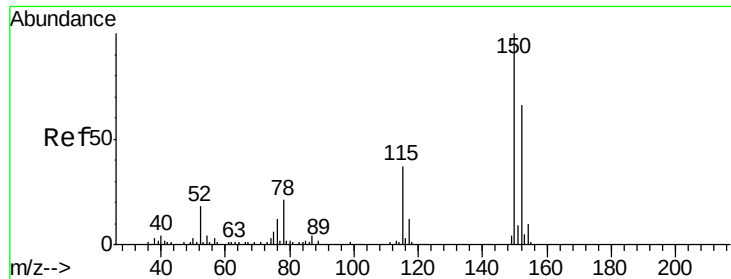
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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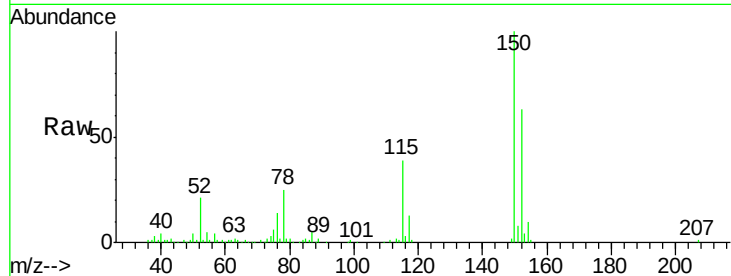




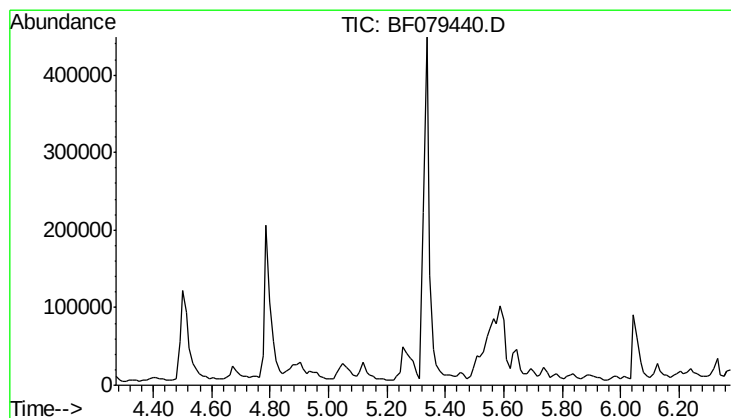
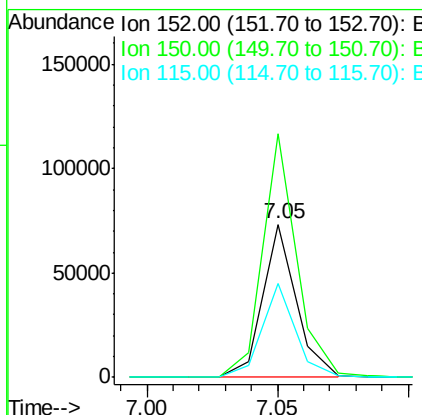
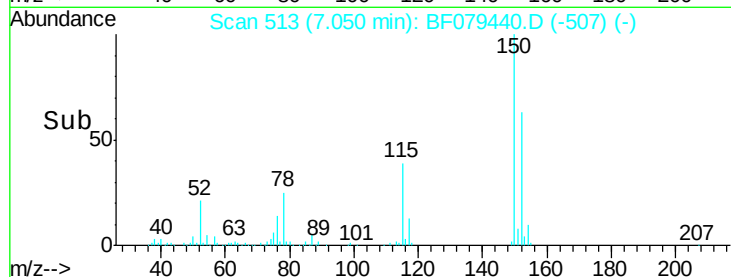
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.05 min Scan# 513  
 Delta R.T. 0.00 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANKSAMPLE1

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 66391 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 159.2 | 123.8 | 185.8 |
| 115      | 61.7  | 49.4  | 74.0  |

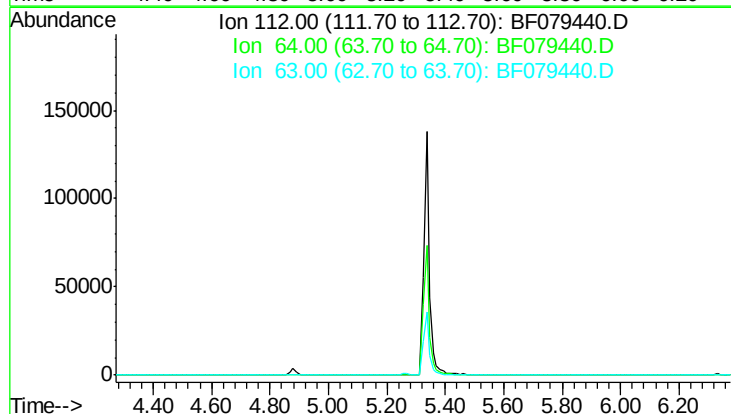


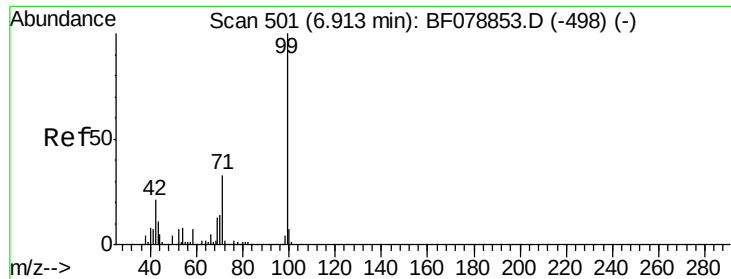
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.32 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

|          |           |
|----------|-----------|
| Tgt Ion: | 112       |
| Sig      | Exp Ratio |
| 112      | 100       |
| 64       | 55.2      |
| 63       | 28.4      |





#7

Phenol-d6

Concen: 25.30 ng

RT: 6.64 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

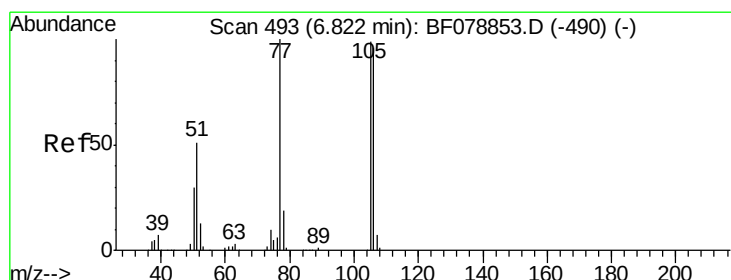
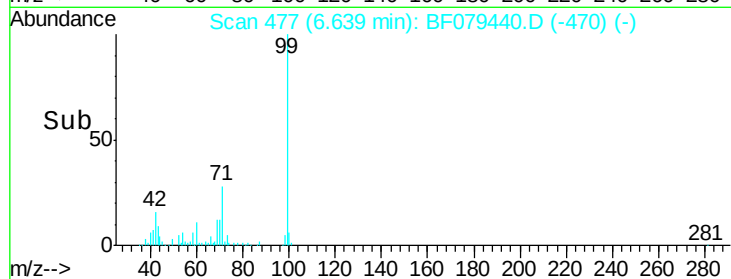
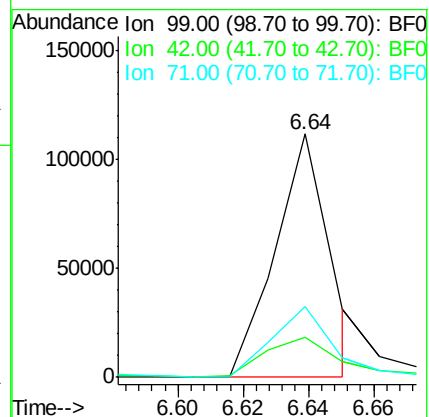
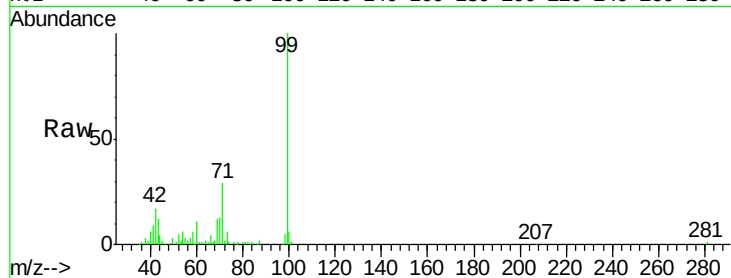
Tgt Ion: 99 Resp: 128992

Ion Ratio Lower Upper

99 100

42 16.7 17.1 25.7#

71 29.0 26.3 39.5



#9

Benzaldehyde

Concen: 25.53 ng

RT: 6.50 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

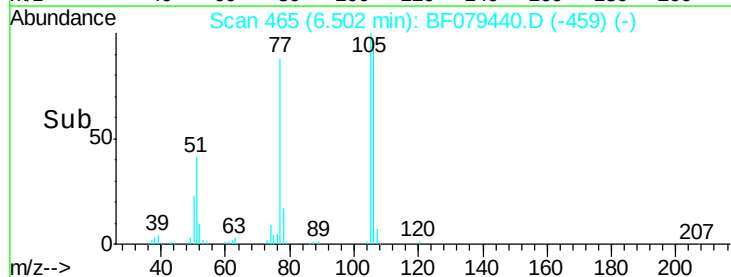
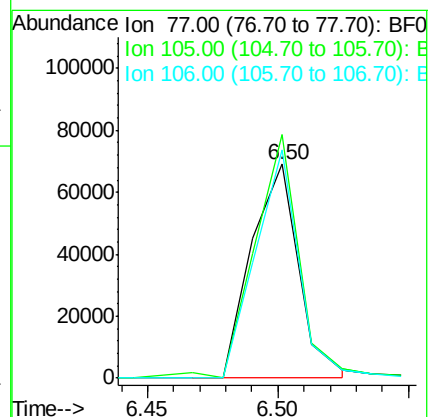
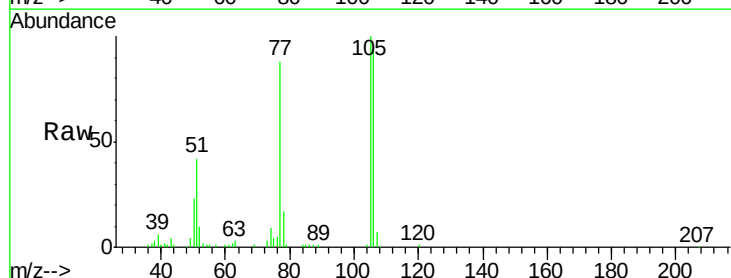
Tgt Ion: 77 Resp: 87679

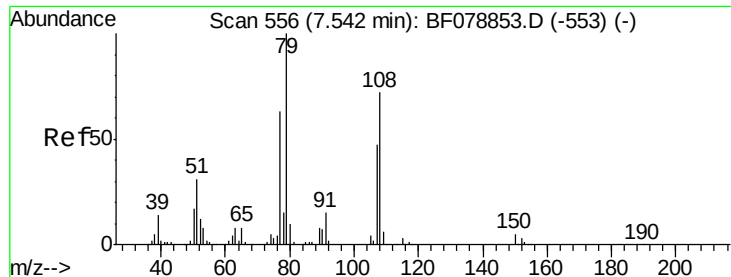
Ion Ratio Lower Upper

77 100

105 113.9 78.9 118.9

106 106.7 75.8 115.8





#15

Benzyl Alcohol

Concen: 5.33 ng

RT: 7.23 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

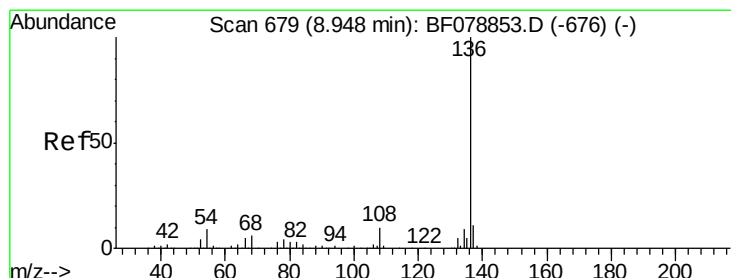
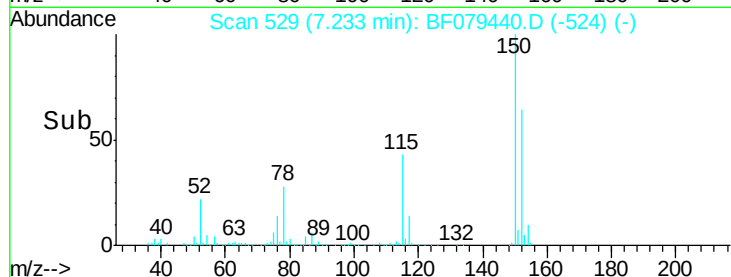
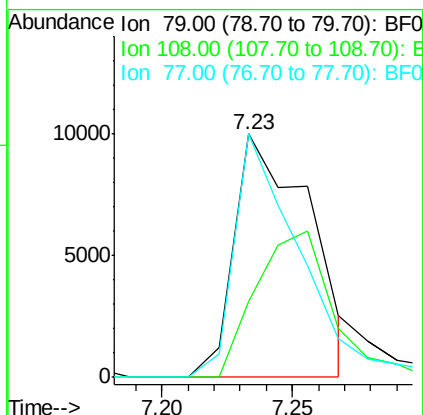
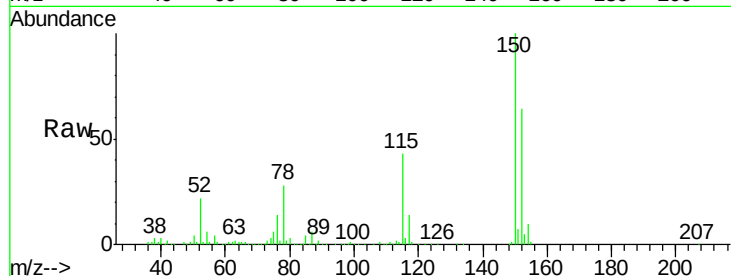
Tgt Ion: 79 Resp: 20173

Ion Ratio Lower Upper

79 100

108 31.2 57.4 86.2#

77 99.8 50.2 75.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Tgt Ion: 136 Resp: 281485

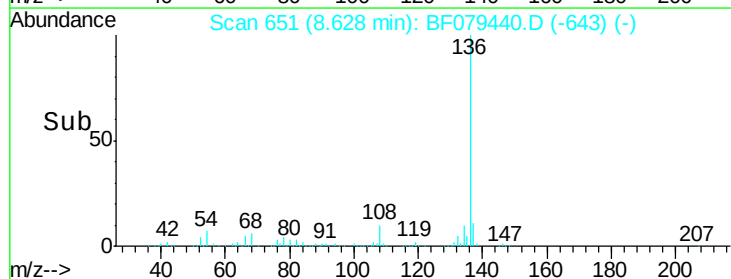
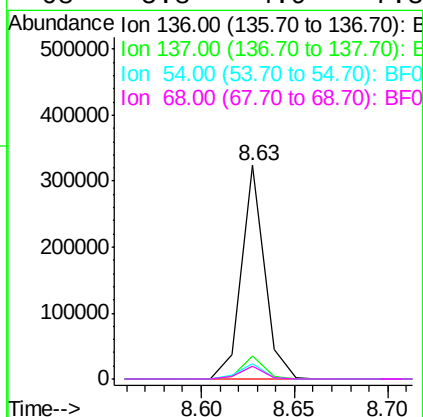
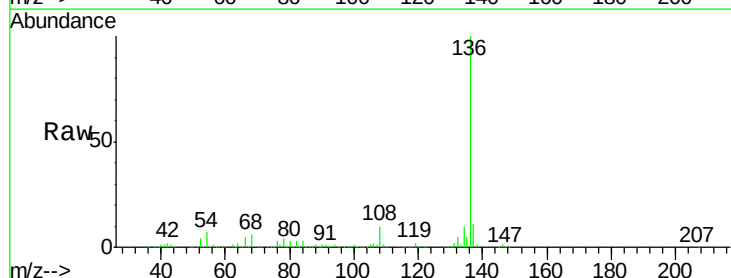
Ion Ratio Lower Upper

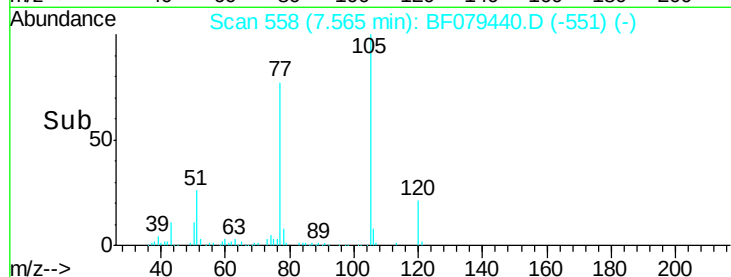
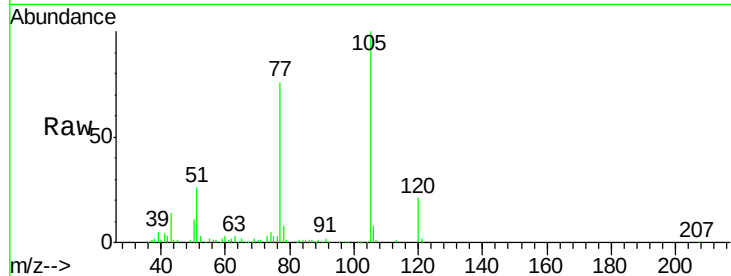
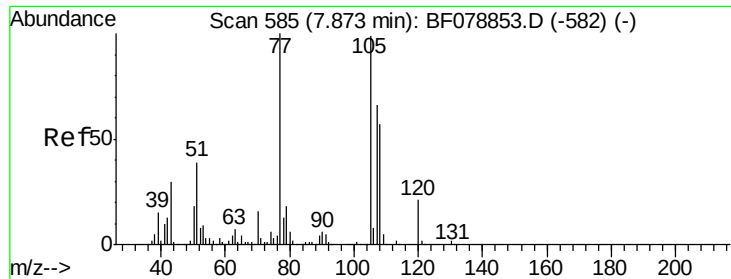
136 100

137 10.6 8.8 13.2

54 7.2 6.9 10.3

68 5.8 4.9 7.3





#22

Acetophenone

Concen: 21.79 ng

RT: 7.56 min Scan# 558

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

Tgt Ion: 105 Resp: 138601

Ion Ratio Lower Upper

105 100

71 0.6 2.2 3.4#

51 26.1 31.1 46.7#

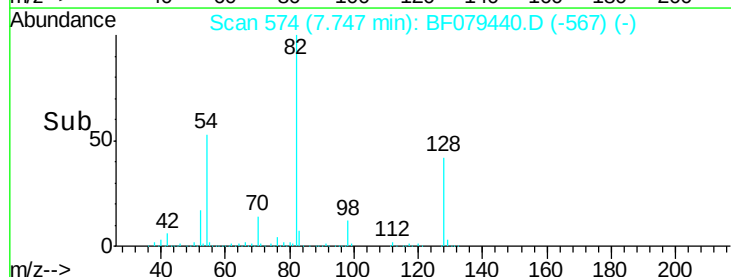
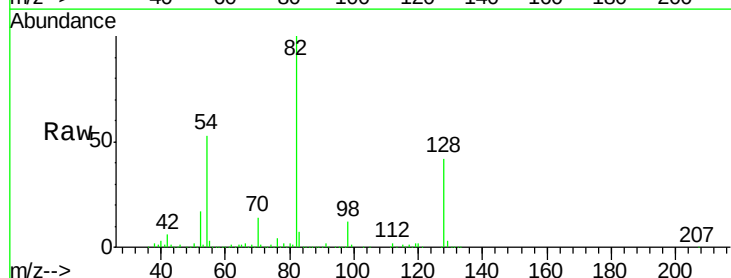
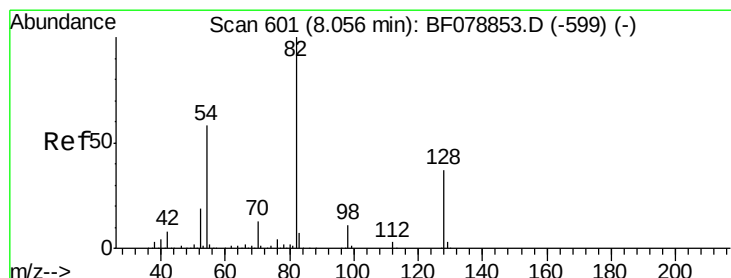
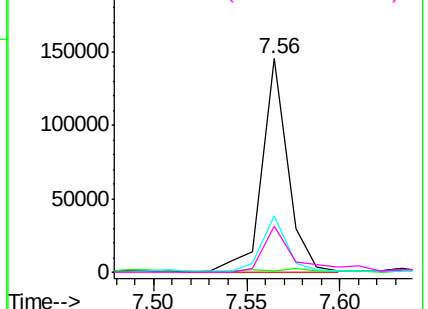
120 21.4 16.7 25.1

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: 107.17 ng

RT: 7.75 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Tgt Ion: 82 Resp: 524889

Ion Ratio Lower Upper

82 100

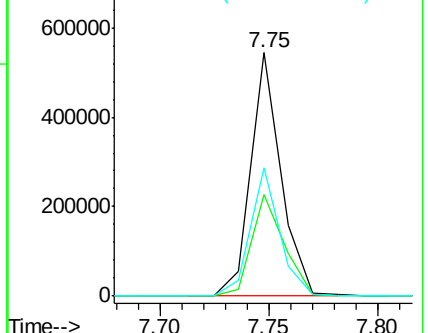
128 41.8 29.7 44.5

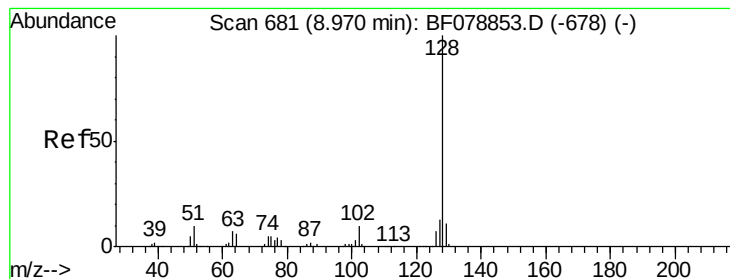
54 52.7 46.2 69.4

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





#31

Naphthalene

Concen: 5.52 ng

RT: 8.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

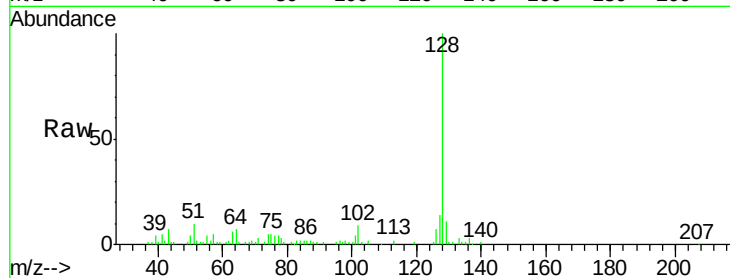
Tgt Ion:128 Resp: 74073

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

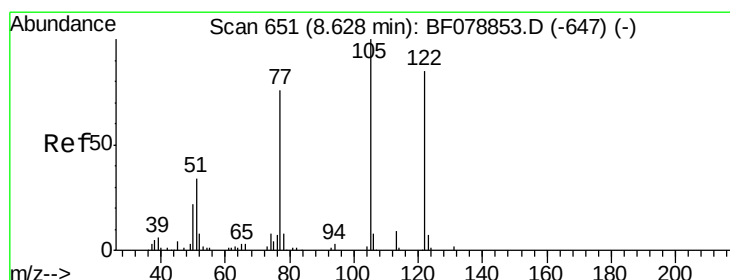
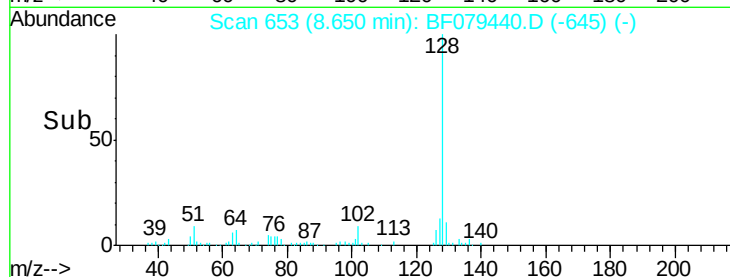
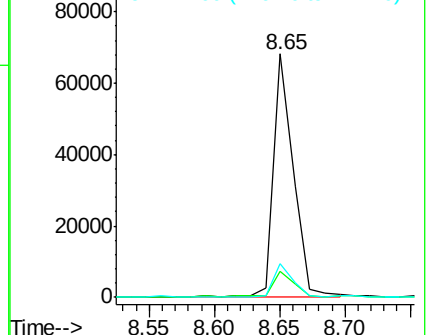
127 13.6 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 17.96 ng

RT: 8.35 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

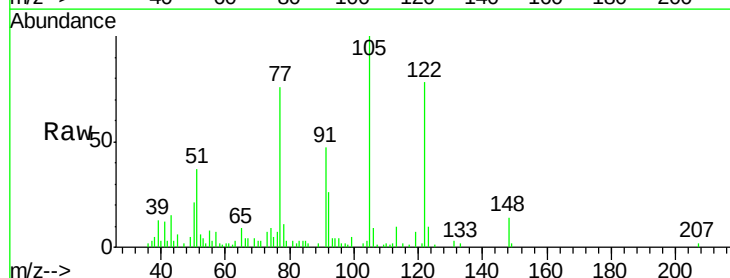
Tgt Ion:122 Resp: 33773

Ion Ratio Lower Upper

122 100

105 128.8 100.7 140.7

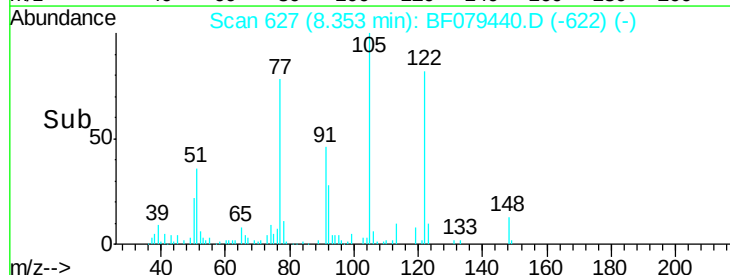
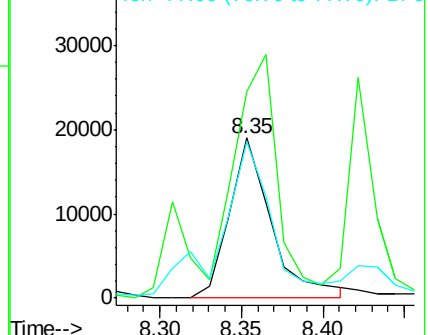
77 97.7 72.0 112.0

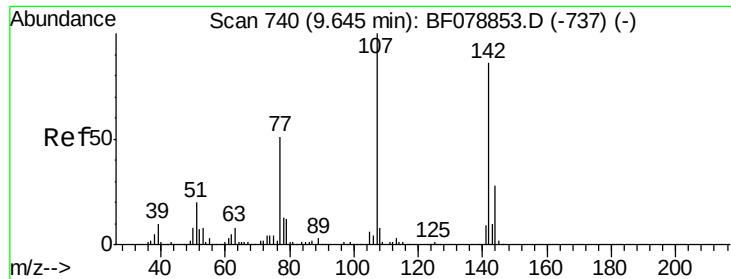


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

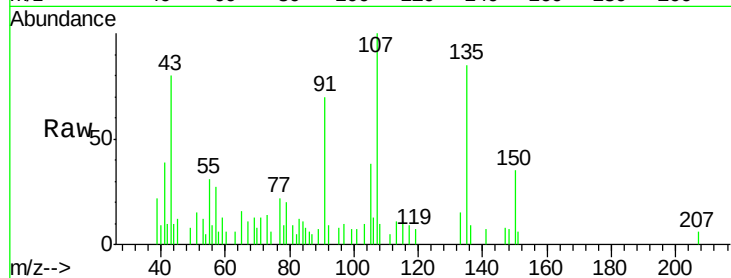




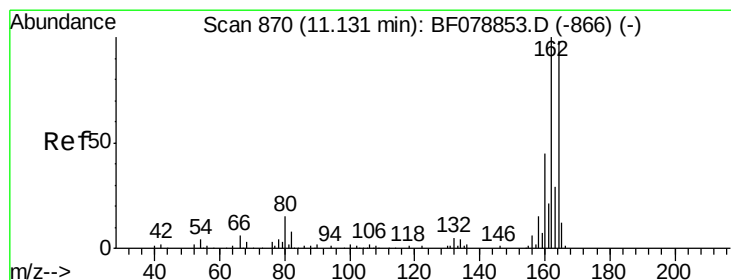
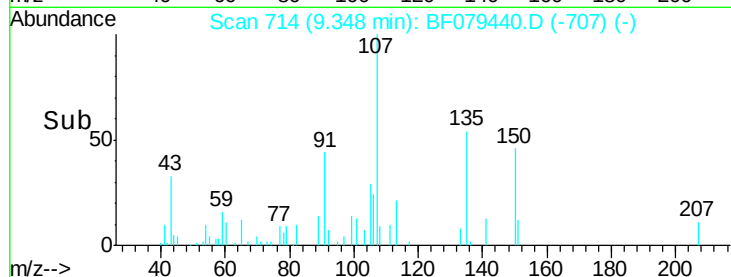
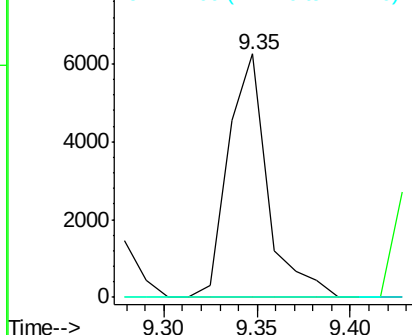
#36  
 4-Chloro-3-methylphenol  
 Concen: 2.45 ng  
 RT: 9.35 min Scan# 714  
 Delta R.T. -0.01 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANKSAMPLE1

Tgt Ion:107 Resp: 9202  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 22.5 33.7#  
 142 0.0 68.6 103.0#

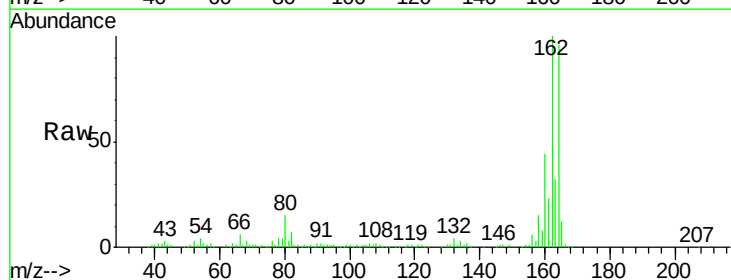


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

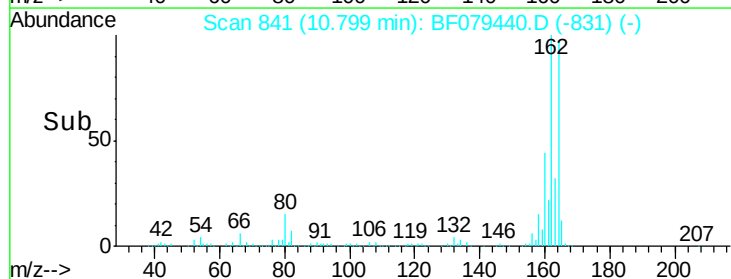
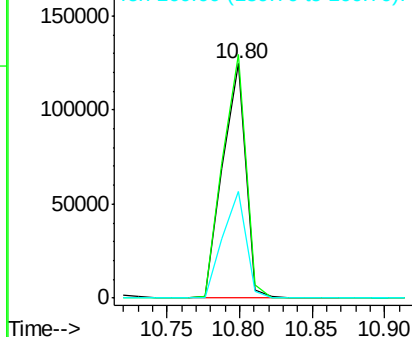


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.80 min Scan# 841  
 Delta R.T. 0.00 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

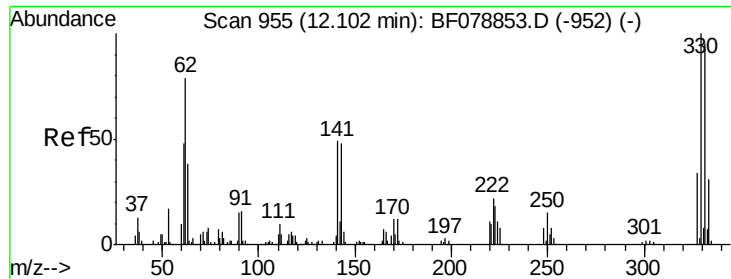
Tgt Ion:164 Resp: 137168  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 81.4 122.0  
 160 45.8 36.6 54.8



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



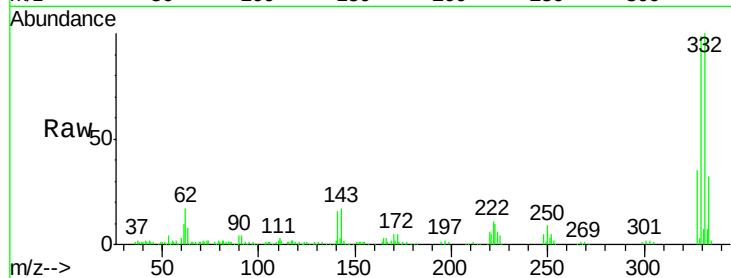




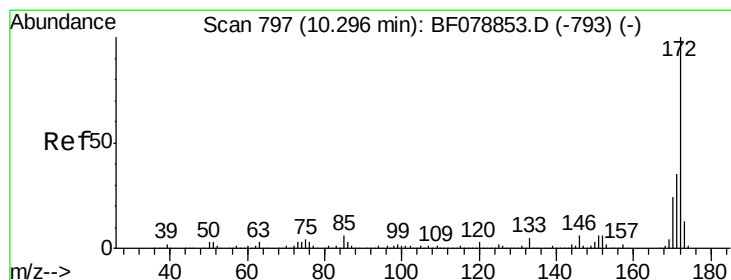
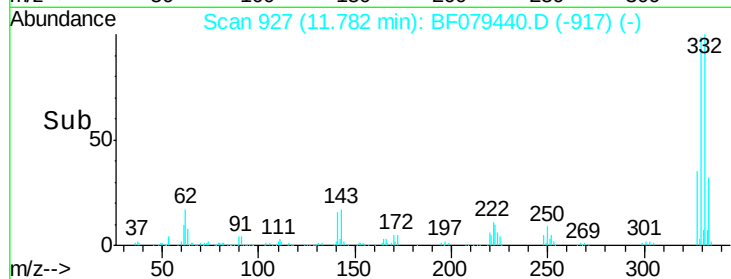
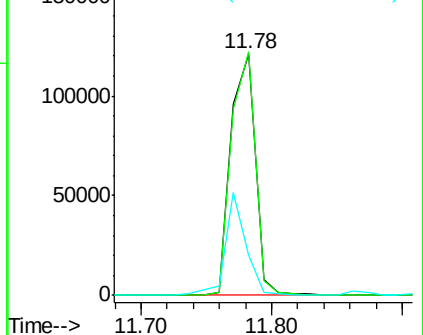
#41  
 2,4,6-Tribromophenol  
 Concen: 106.57 ng  
 RT: 11.78 min Scan# 927  
 Delta R.T. 0.00 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FRACTANKSAMPLE1

Tgt Ion:330 Resp: 158139  
 Ion Ratio Lower Upper  
 330 100  
 332 98.9 76.9 115.3  
 141 36.2 27.8 41.8

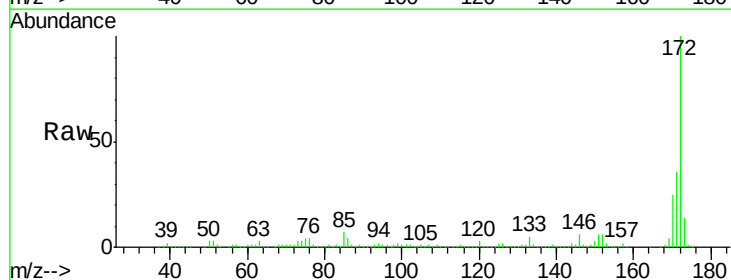


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

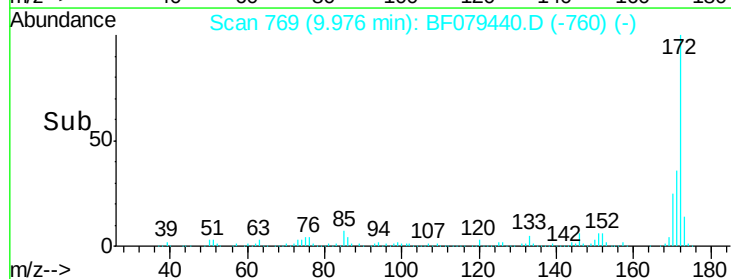
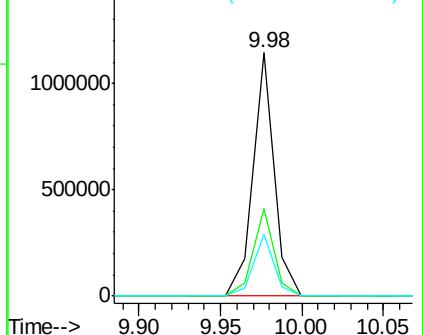


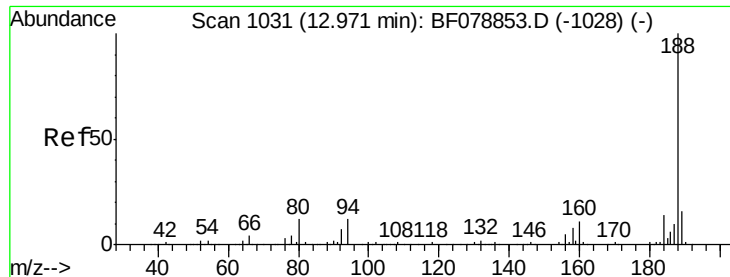
#44  
 2-Fluorobiphenyl  
 Concen: 104.93 ng  
 RT: 9.98 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BF079440.D  
 Acq: 22 May 2015 18:34

Tgt Ion:172 Resp: 1033085  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.3 42.5  
 170 25.2 19.4 29.2



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

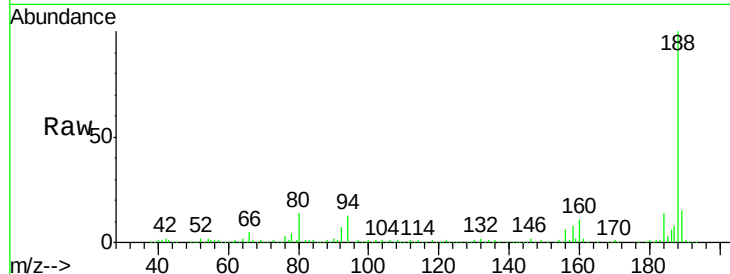




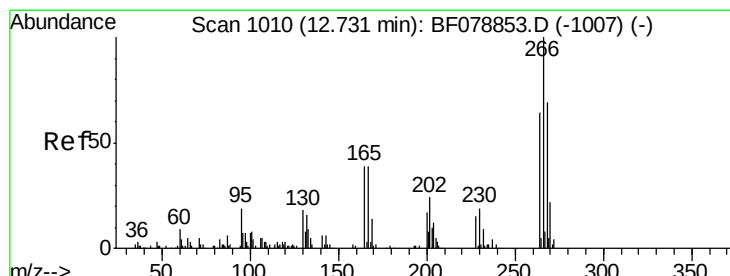
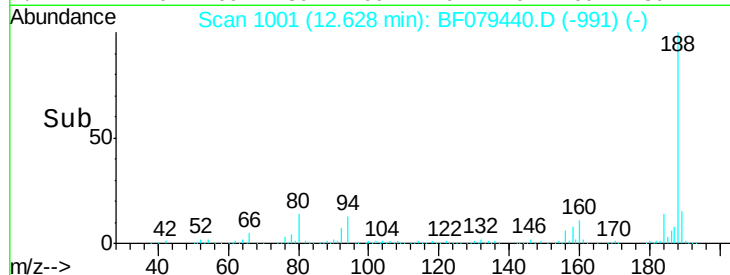
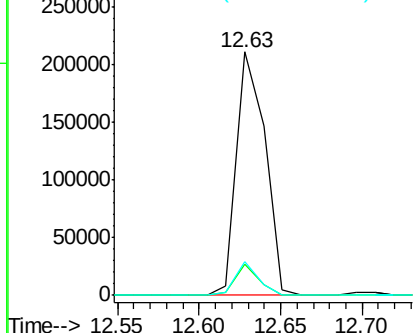
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.63 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF079440.D  
Acq: 22 May 2015 18:34

Instrument :  
BNA\_F  
ClientSampleId :  
FRACTANKSAMPLE1

Tgt Ion:188 Resp: 254320  
Ion Ratio Lower Upper  
188 100  
94 13.0 9.4 14.0  
80 13.7 9.8 14.6

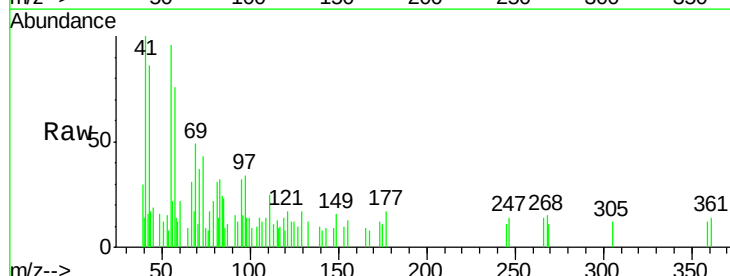


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

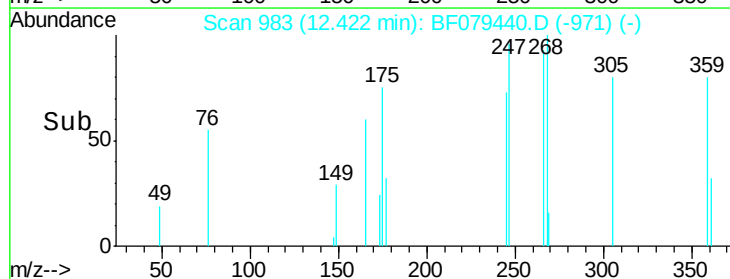
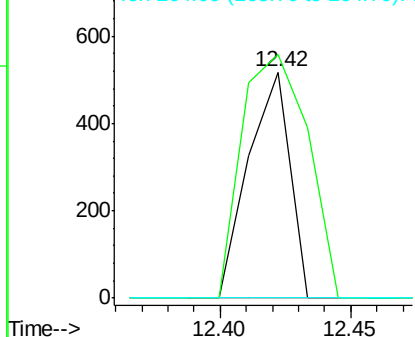


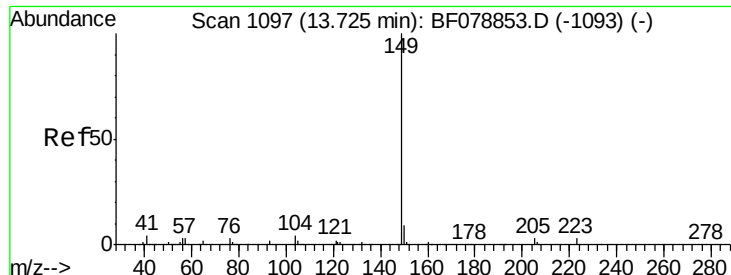
#69  
Pentachlorophenol  
Concen: 7.14 ng  
RT: 12.42 min Scan# 983  
Delta R.T. 0.01 min  
Lab File: BF079440.D  
Acq: 22 May 2015 18:34

Tgt Ion:266 Resp: 578  
Ion Ratio Lower Upper  
266 100  
268 107.7 55.0 82.6#  
264 0.0 50.9 76.3#



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





#73

Di-n-butylphthalate

Concen: 34.57 ng

RT: 13.39 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

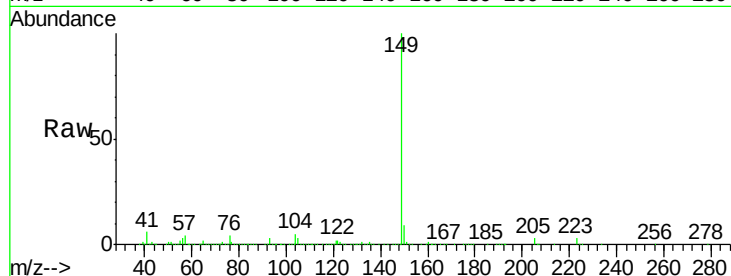
Tgt Ion:149 Resp: 551590

Ion Ratio Lower Upper

149 100

150 9.3 7.0 10.4

104 4.5 3.3 4.9



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

600000

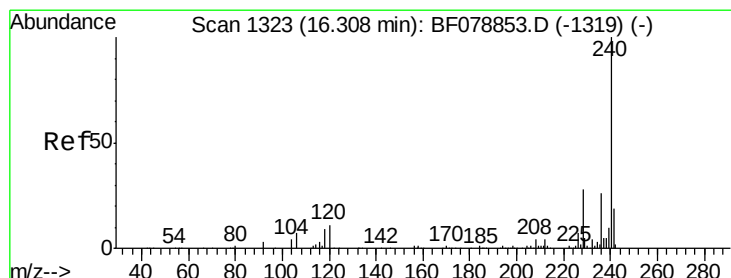
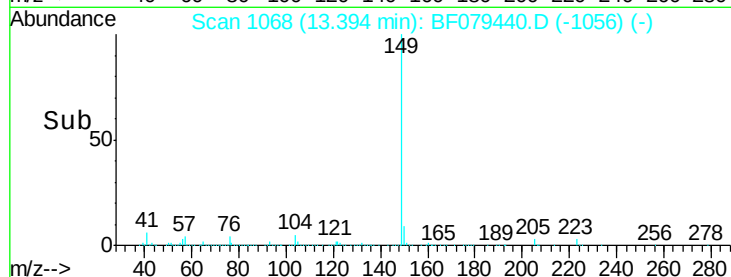
400000

200000

0

13.39

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

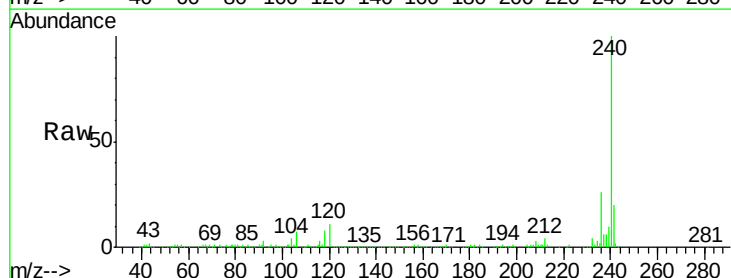
Tgt Ion:240 Resp: 245692

Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

236 25.6 21.0 31.6



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

300000

250000

200000

150000

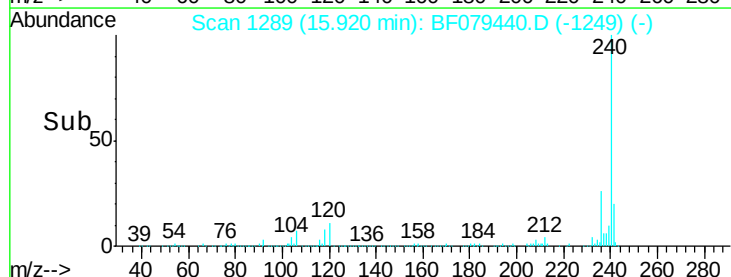
100000

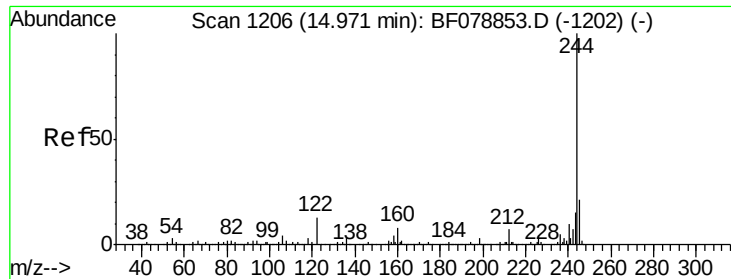
50000

0

15.92

Time-->





#78

Terphenyl-d14

Concen: 106.42 ng

RT: 14.63 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

Instrument :

BNA\_F

ClientSampleId :

FRACTANKSAMPLE1

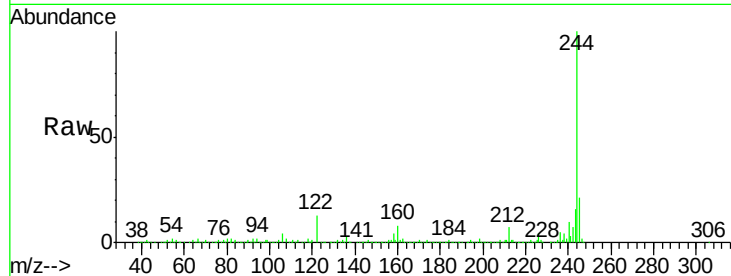
Tgt Ion:244 Resp: 1092148

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

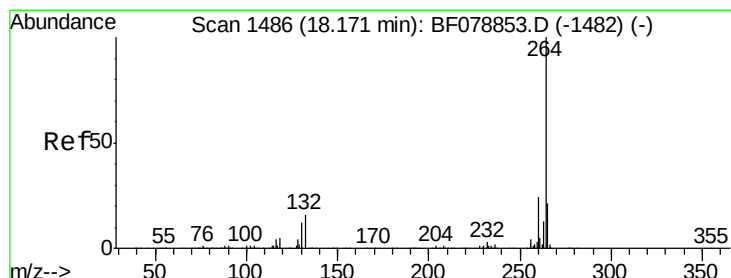
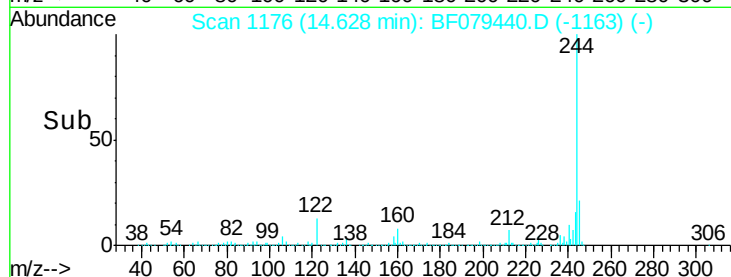
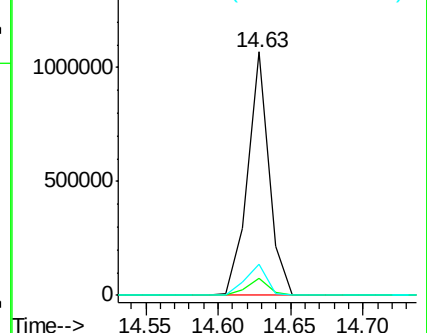
122 12.6 10.5 15.7



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: 17.67 min Scan# 1442

Delta R.T. -0.18 min

Lab File: BF079440.D

Acq: 22 May 2015 18:34

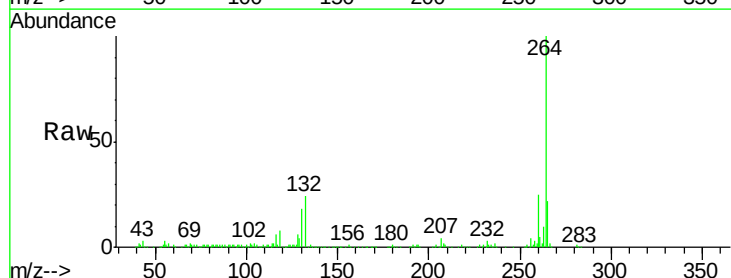
Tgt Ion:264 Resp: 236731

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.6 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

