

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\  
 Data File : BF088993.D  
 Acq On : 14 Jul 2016 18:47  
 Operator : UM/SJ  
 Sample : H3946-21  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

Quant Time: Jul 14 19:14:24 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.68  | 152  | 68130    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.96  | 136  | 244593   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 9.71  | 164  | 111030   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 11.19 | 188  | 183350   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 13.81 | 240  | 117200   | 20.00 | ng    | -0.05    |
| 86) Perylene-d12          | 15.18 | 264  | 113254   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.28  | 112  | 392105   | 86.25 | ng    | -0.01    |
| 7) Phenol-d6                | 6.33  | 99   | 572916   | 97.54 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 393888   | 84.39 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.50 | 330  | 77091    | 74.77 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 632587   | 90.00 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.78 | 244  | 380347   | 72.28 | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.46  | 93   | 483      | 0.06  | ng    | # 1    |
| 9) Benzaldehyde                | 6.33  | 77   | 777      | 0.20  | ng    | # 1    |
| 10) Phenol                     | 6.34  | 94   | 1682     | 0.25  | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.46  | 93   | 483      | 0.10  | ng    | # 1    |
| 15) Benzyl Alcohol             | 6.84  | 79   | 6375     | 1.47  | ng    | # 38   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.97  | 45   | 226      | 0.03  | ng    | 71     |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 53932    | 13.67 | ng    | # 69   |
| 22) Acetophenone               | 7.10  | 105  | 313      | 0.05  | ng    | # 57   |
| 24) Nitrobenzene               | 7.26  | 77   | 1223     | 0.26  | ng    | # 29   |
| 25) Isophorone                 | 7.26  | 82   | 372584   | 43.09 | ng    | # 65   |
| 27) 2,4-Dimethylphenol         | 7.70  | 122  | 3605     | 0.90  | ng    | # 7    |
| 31) Naphthalene                | 7.99  | 128  | 1939     | 0.16  | ng    | # 68   |
| 32) Benzoic acid               | 7.70  | 122  | 3605     | 1.24  | ng    | 94     |
| 37) 2-Methylnaphthalene        | 8.68  | 142  | 789      | 0.10  | ng    | # 71   |
| 45) 1,1'-Biphenyl              | 9.14  | 154  | 423      | 0.05  | ng    | # 43   |
| 47) 2-Nitroaniline             | 9.44  | 65   | 1177     | 0.46  | ng    | # 1    |
| 48) Acenaphthylene             | 9.58  | 152  | 1840     | 0.16  | ng    | 99     |
| 49) Dimethylphthalate          | 9.44  | 163  | 109318   | 13.82 | ng    | 100    |
| 50) 2,6-Dinitrotoluene         | 9.44  | 165  | 1265     | 0.72  | ng    | # 1    |
| 51) Acenaphthene               | 9.75  | 154  | 1735     | 0.25  | ng    | 97     |
| 54) Dibenzofuran               | 9.92  | 168  | 1090     | 0.12  | ng    | # 76   |
| 55) 4-Nitrophenol              | 9.92  | 139  | 373      | 0.22  | ng    | # 5    |
| 56) 2,4-Dinitrotoluene         | 9.71  | 165  | 14018    | 6.12  | ng    | # 36   |
| 57) Fluorene                   | 10.26 | 166  | 1346     | 0.19  | ng    | # 89   |
| 59) Diethylphthalate           | 10.14 | 149  | 1602     | 0.20  | ng    | # 60   |
| 62) Azobenzene                 | 10.41 | 77   | 294      | 0.03  | ng    | # 17   |
| 65) n-Nitrosodiphenylamine     | 10.38 | 169  | 242      | 0.04  | ng    | # 24   |
| 66) 4-Bromophenyl-phenylether  | 10.50 | 248  | 6270     | 3.39  | ng    | # 1    |
| 70) Phenanthrene               | 11.21 | 178  | 26739    | 2.67  | ng    | 99     |
| 71) Anthracene                 | 11.26 | 178  | 7137     | 0.72  | ng    | 97     |
| 72) Carbazole                  | 11.42 | 167  | 2732     | 0.29  | ng    | 96     |
| 73) Di-n-butylphthalate        | 11.76 | 149  | 8551     | 0.78  | ng    | 98     |
| 74) Fluoranthene               | 12.39 | 202  | 62034    | 6.11  | ng    | 99     |
| 77) Pyrene                     | 12.62 | 202  | 55388    | 5.57  | ng    | 98     |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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 Q7-B1(0-5)C

Quant Time: Jul 14 19:14:24 2016  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

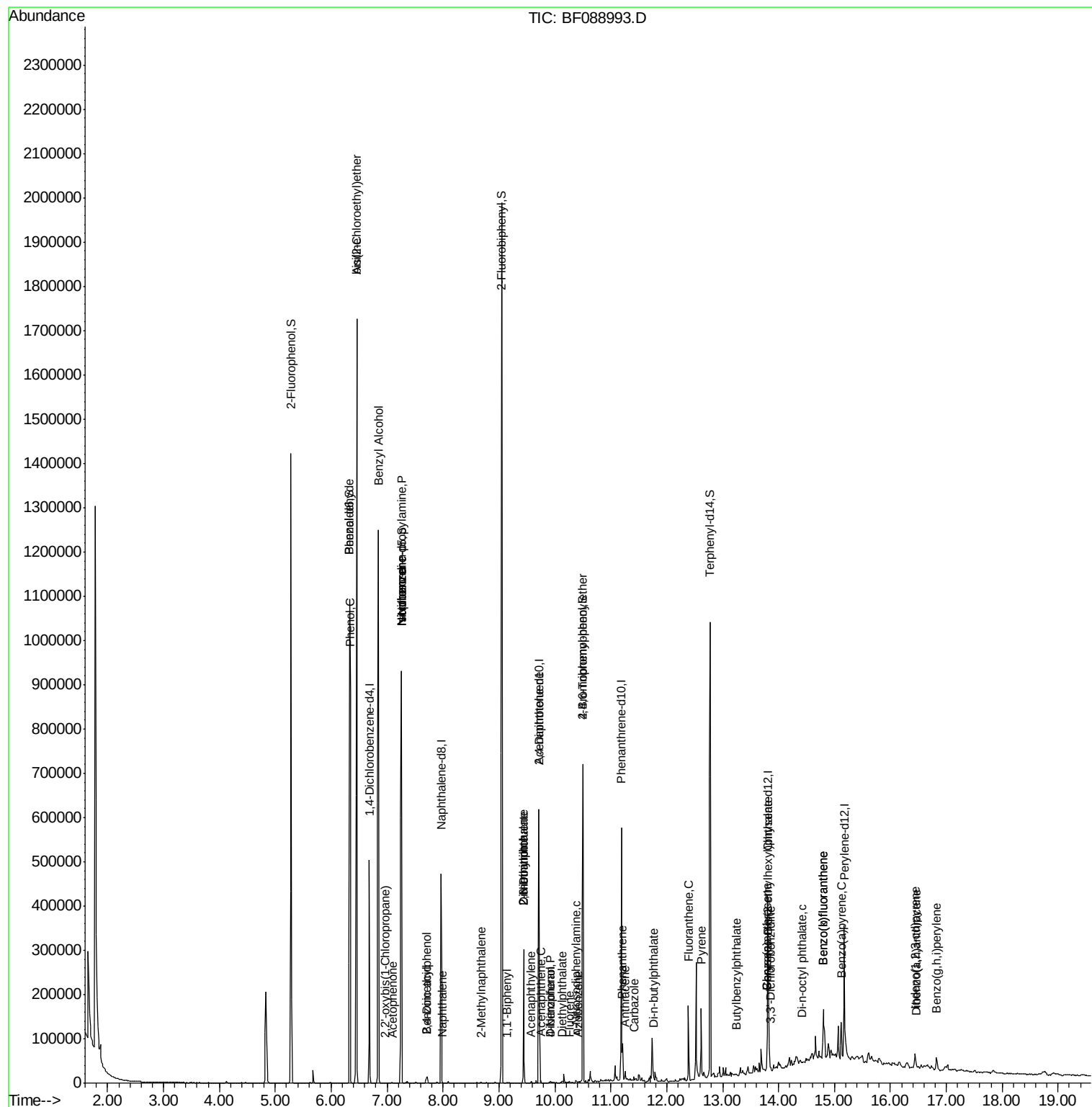
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 79) Butylbenzylphthalate       | 13.25 | 149  | 798      | 0.18  | ng    | # 43     |
| 80) Benzo(a)anthracene         | 13.79 | 228  | 35457    | 4.70  | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 13.85 | 252  | 218      | 0.08  | ng    | # 30     |
| 82) Chrysene                   | 13.79 | 228  | 35457    | 4.75  | ng    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 13.82 | 149  | 7018     | 1.39  | ng    | # 93     |
| 84) Di-n-octyl phthalate       | 14.42 | 149  | 2309     | 0.27  | ng    | # 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 21789    | 3.79  | ng    | # 100    |
| 87) Benzo(b)fluoranthene       | 14.80 | 252  | 67653    | 9.52  | ng    | # 93     |
| 88) Benzo(k)fluoranthene       | 14.80 | 252  | 67653    | 10.94 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.12 | 252  | 31163    | 5.18  | ng    | 97       |
| 90) Dibenzo(a,h)anthracene     | 16.46 | 278  | 5860     | 1.17  | ng    | # 80     |
| 91) Benzo(a,h,i)perylene       | 16.82 | 276  | 19019    | 3.66  | ng    | 97       |

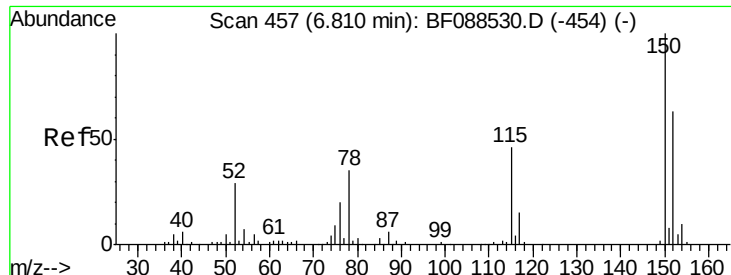
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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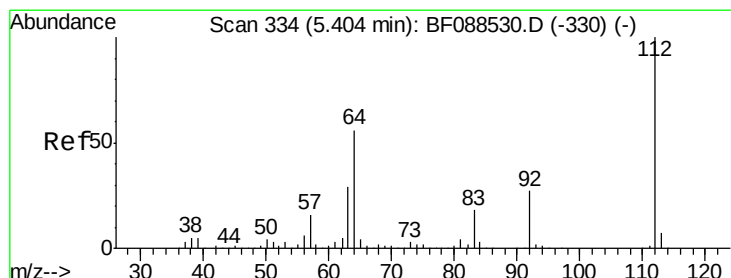
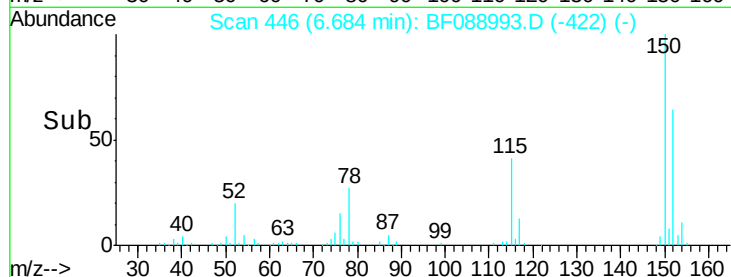
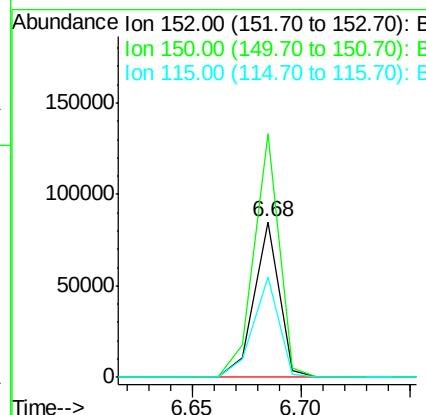
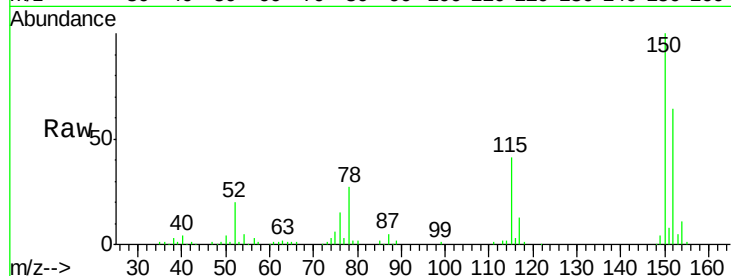


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.68 min Scan# 446  
Delta R.T. -0.02 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

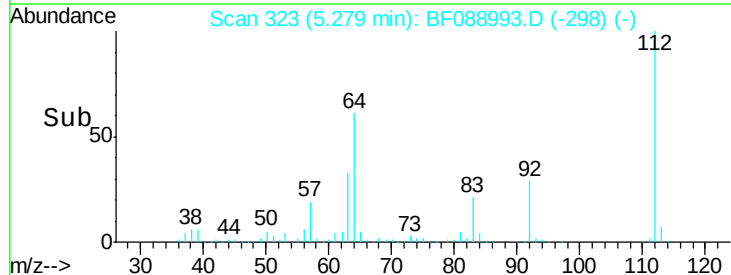
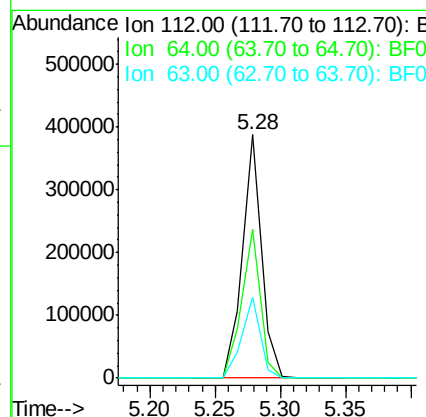
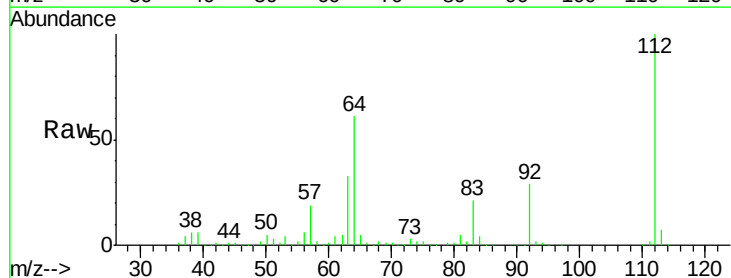
Tot Ion:152 Resp: 68130  
Ion Ratio Lower Upper  
152 100  
150 156.7 123.8 185.6  
115 64.8 39.6 59.4#

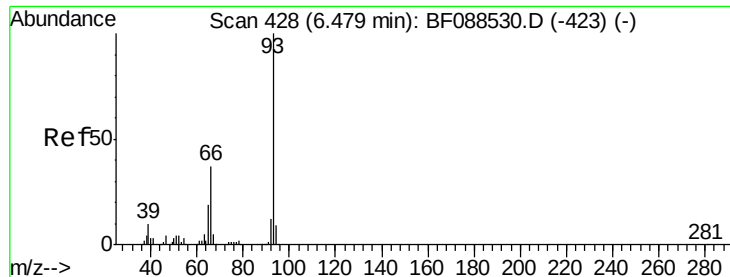


#5

2-Fluorophenol  
Concen: 86.25 ng  
RT: 5.28 min Scan# 323  
Delta R.T. -0.01 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:112 Resp: 392105  
Ion Ratio Lower Upper  
112 100  
64 61.3 42.2 63.2  
63 33.3 21.8 32.8#





#6

Aniline

Concen: 0.06 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.08 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

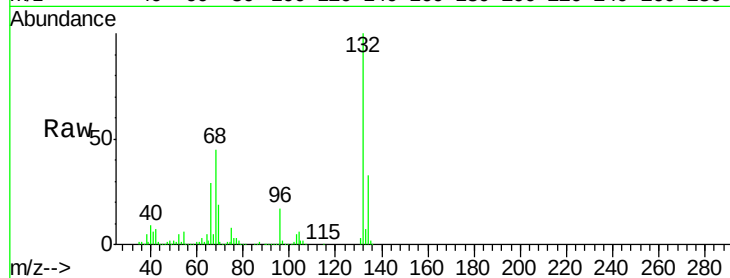
Tot Ion: 93 Resp: 483

Ion Ratio Lower Upper

93 100

66 19254.5 29.8 44.8#

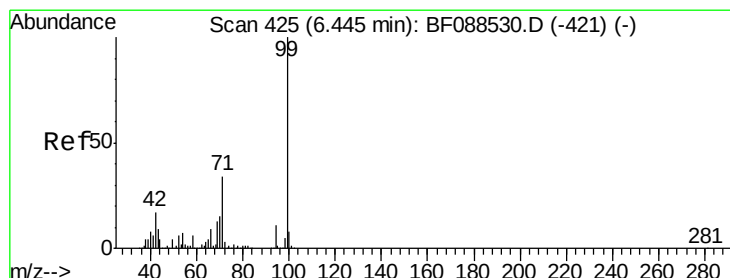
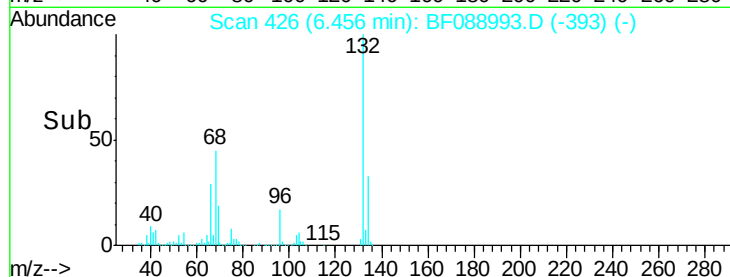
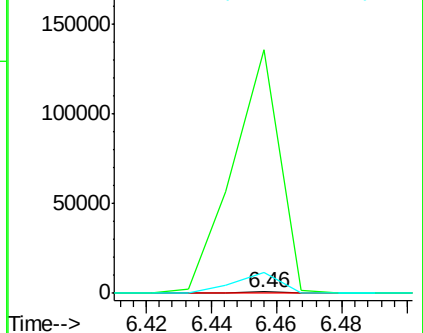
65 1670.3 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 97.54 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

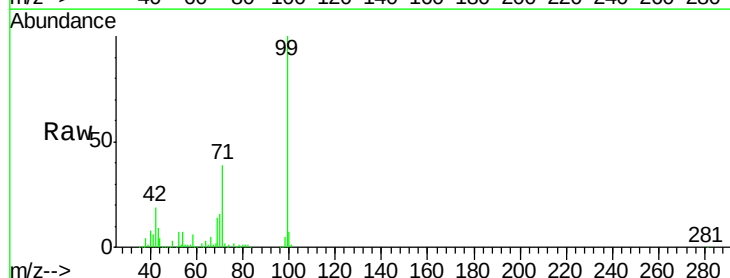
Tgt Ion: 99 Resp: 572916

Ion Ratio Lower Upper

99 100

42 19.1 12.2 18.2#

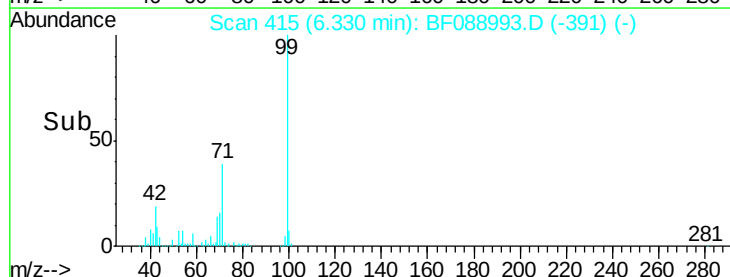
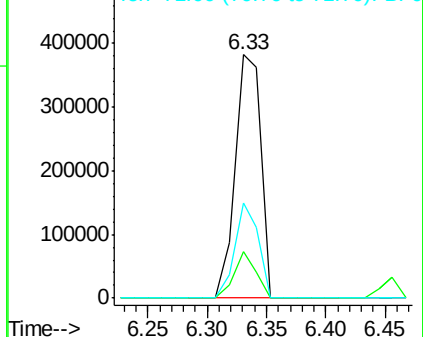
71 39.0 23.4 35.0#

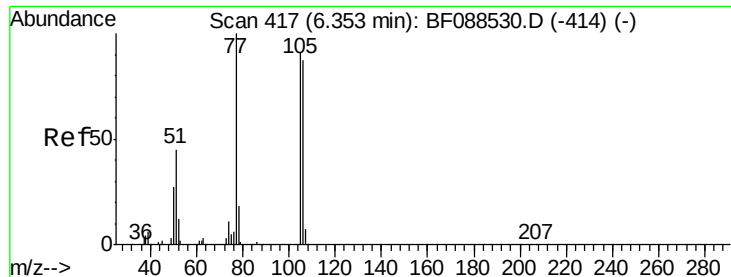


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.20 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.08 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

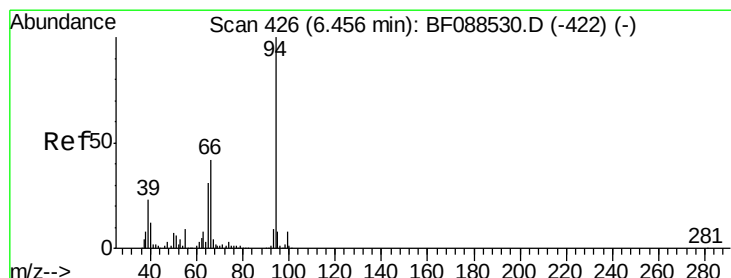
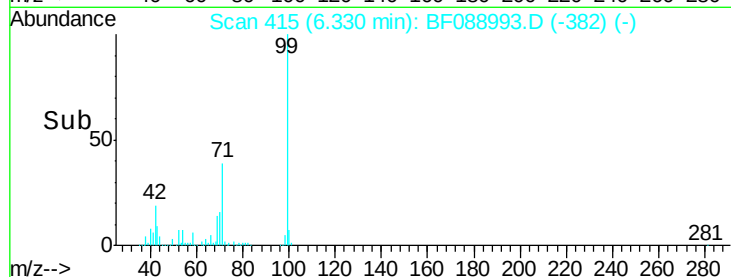
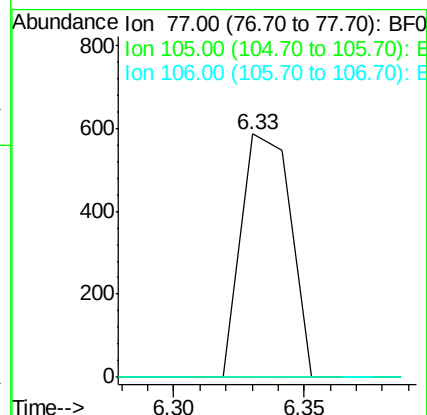
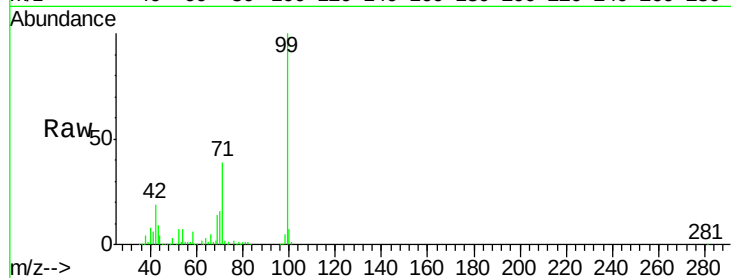
Tot Ion: 77 Resp: 777

Ion Ratio Lower Upper

77 100

105 0.0 90.6 130.6#

106 0.0 85.3 125.3#



#10

Phenol

Concen: 0.25 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

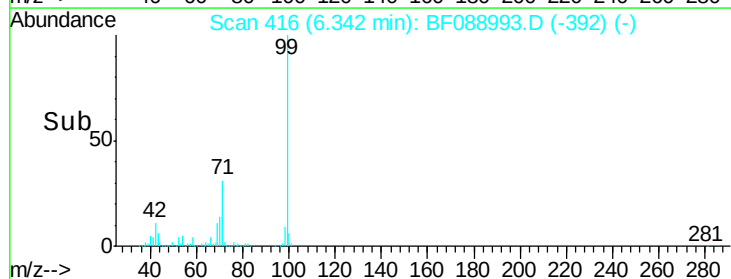
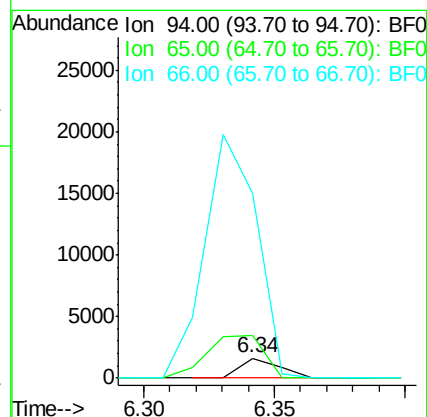
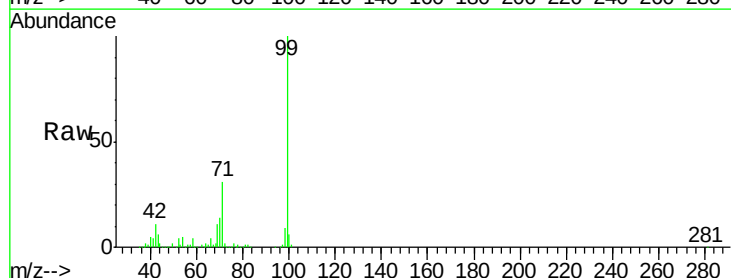
Tgt Ion: 94 Resp: 1682

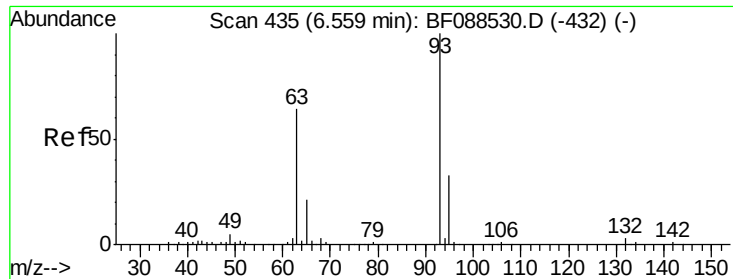
Ion Ratio Lower Upper

94 100

65 212.7 5.9 45.9#

66 916.5 14.0 54.0#





#11

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

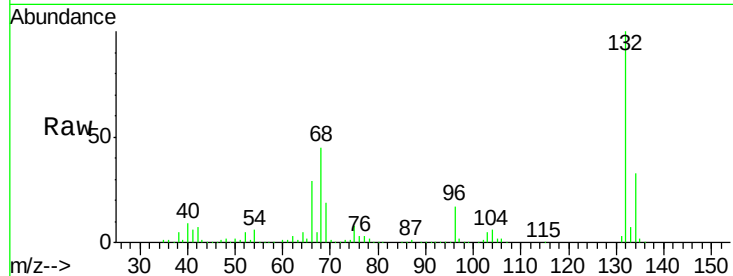
Tot Ion: 93 Resp: 483

Ion Ratio Lower Upper

93 100

63 803.1 67.6 107.6#

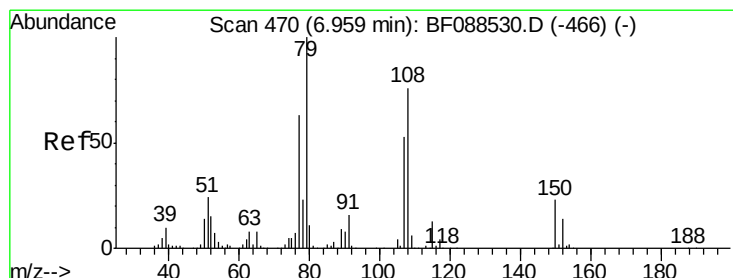
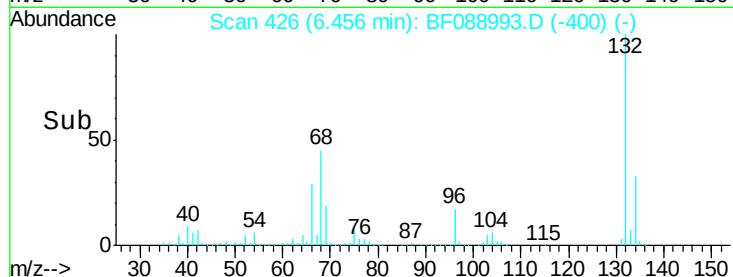
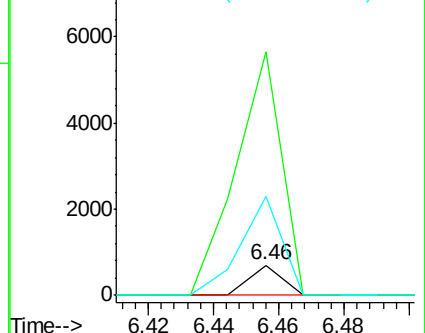
95 327.4 12.5 52.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#15

Benzyl Alcohol

Concen: 1.47 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

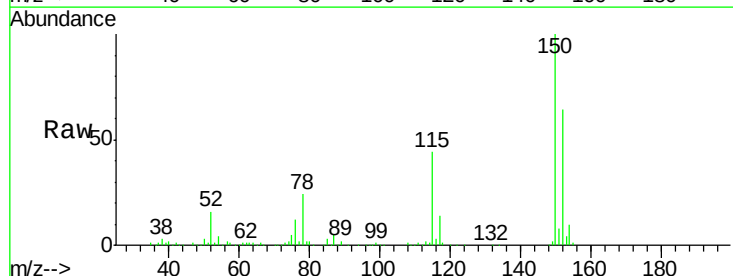
Tgt Ion: 79 Resp: 6375

Ion Ratio Lower Upper

79 100

108 34.0 65.0 97.6#

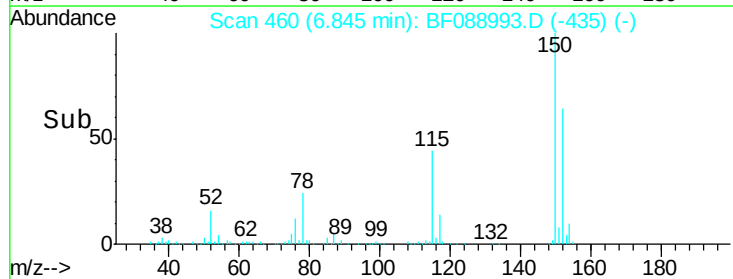
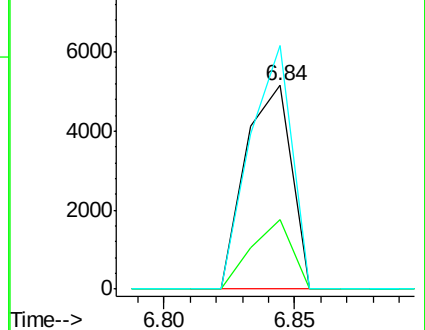
77 119.4 50.3 75.5#

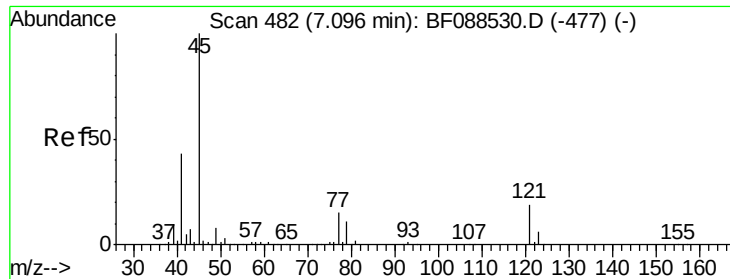


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

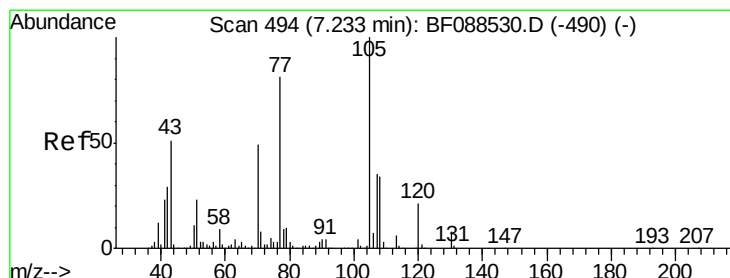
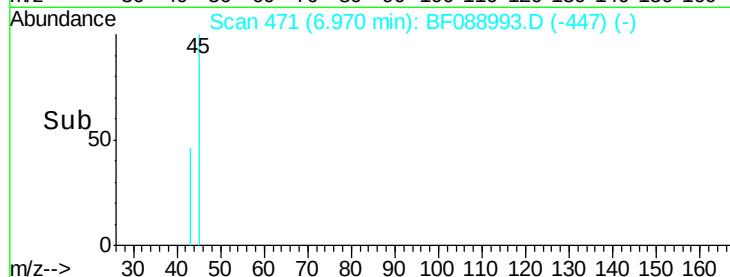
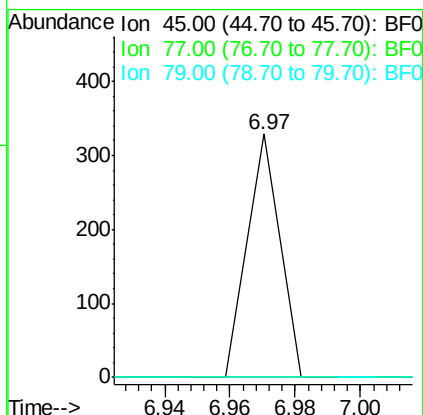
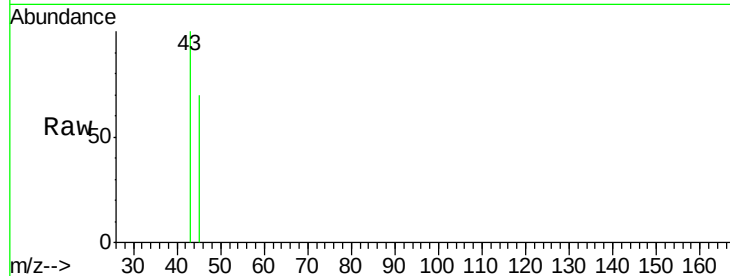




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 0.03 ng  
RT: 6.97 min Scan# 471  
Delta R.T. -0.02 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

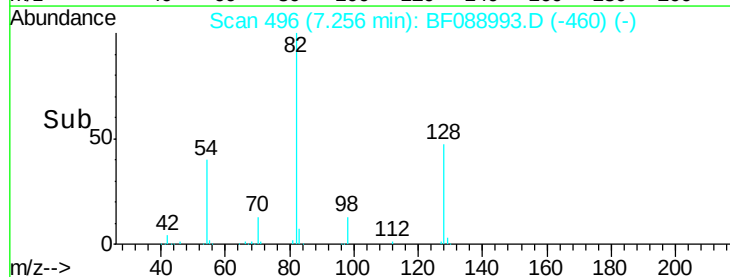
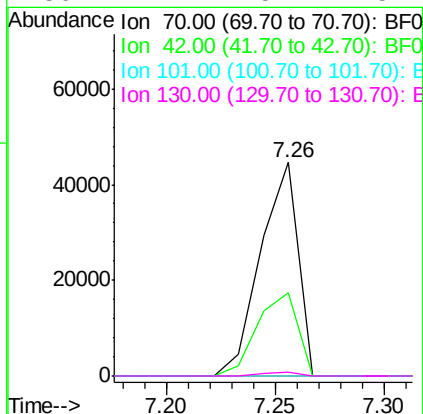
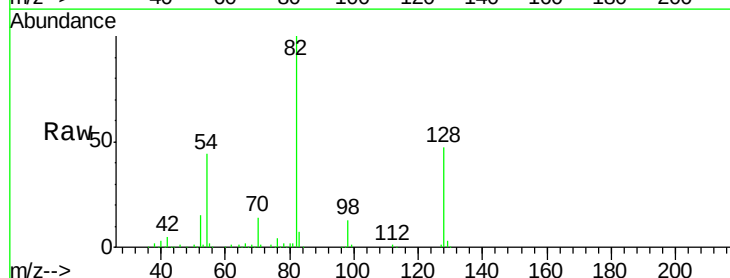
Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

Tot Ion: 45 Resp: 226  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 32.5  
79 0.0 0.0 29.5

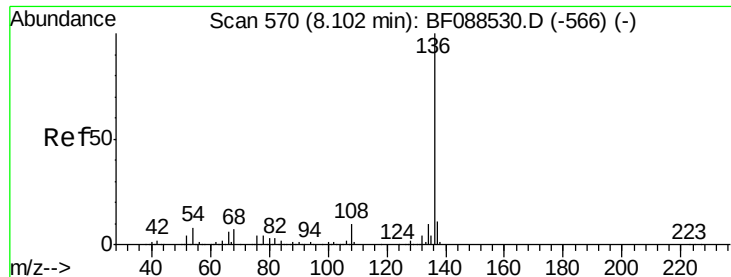


#19  
n-Nitroso-di-n-propylamine  
Concen: 13.67 ng  
RT: 7.26 min Scan# 496  
Delta R.T. 0.11 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion: 70 Resp: 53932  
Ion Ratio Lower Upper  
70 100  
42 38.9 49.6 74.4#  
101 0.0 7.1 10.7#  
130 2.1 15.4 23.2#



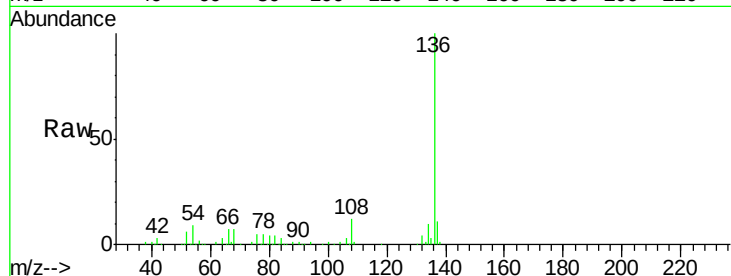




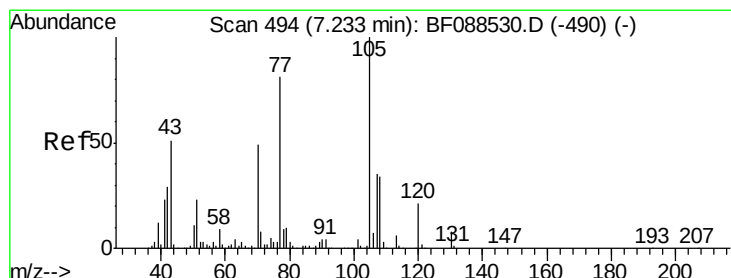
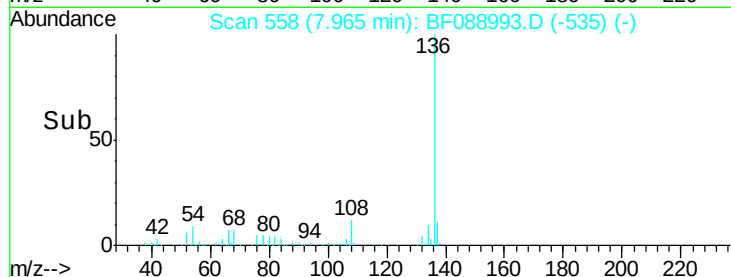
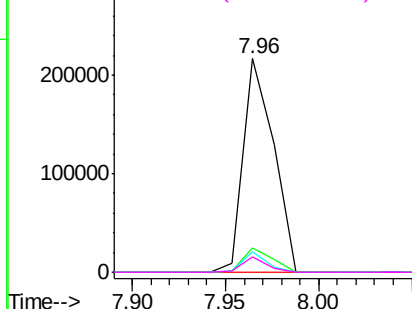
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.96 min Scan# 558  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 244593   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 9.1 13.7 |
| 54          | 9.4   | 6.6 10.0 |
| 68          | 7.0   | 5.1 7.7  |

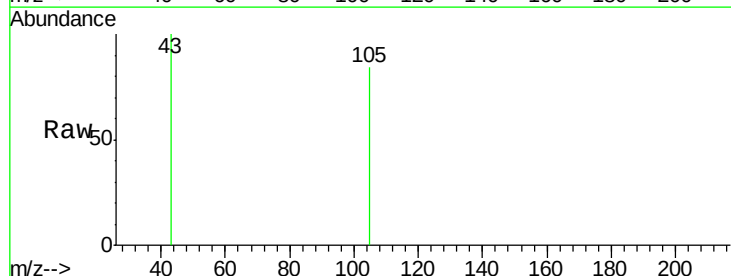


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

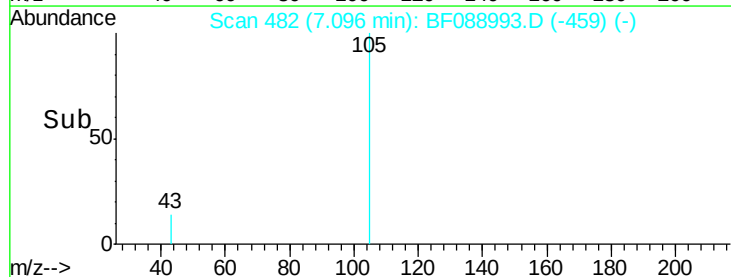
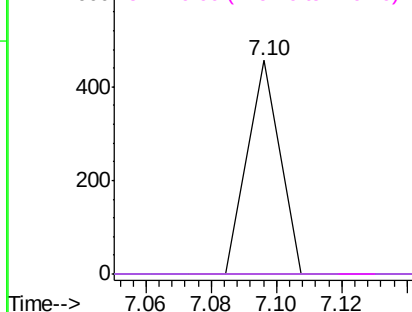


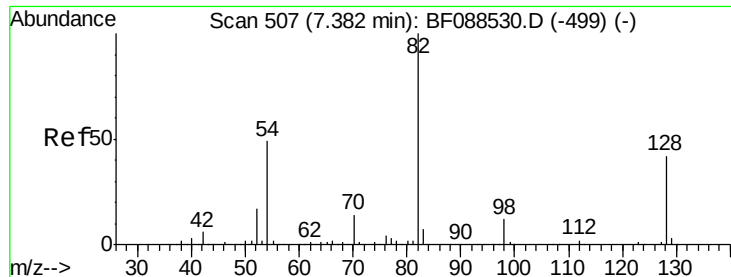
#22  
Acetophenone  
Concen: 0.05 ng  
RT: 7.10 min Scan# 482  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 313        |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.0   | 5.3 7.9#   |
| 51          | 0.0   | 18.2 27.4# |
| 120         | 0.0   | 18.0 27.0# |



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

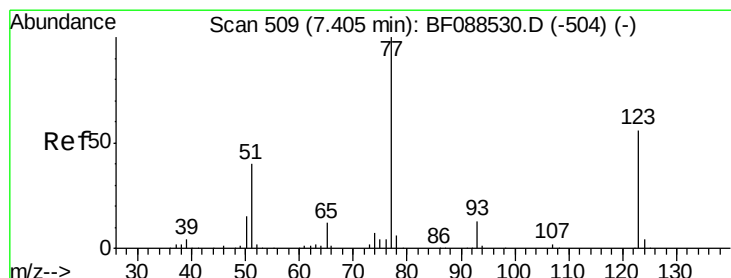
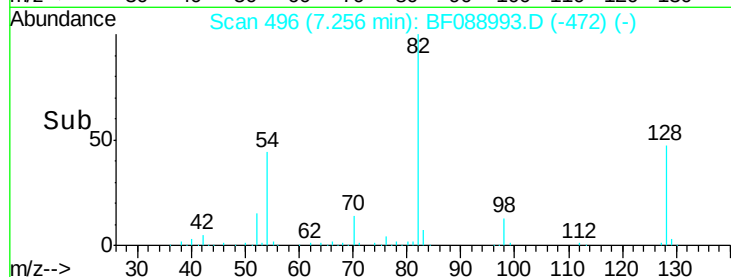
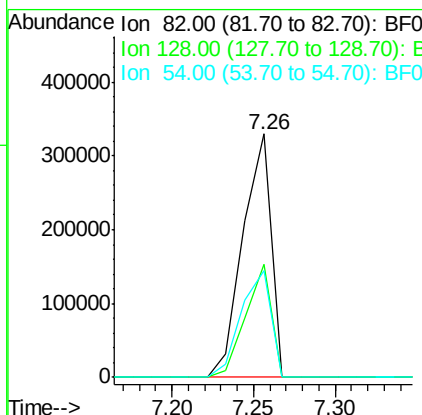
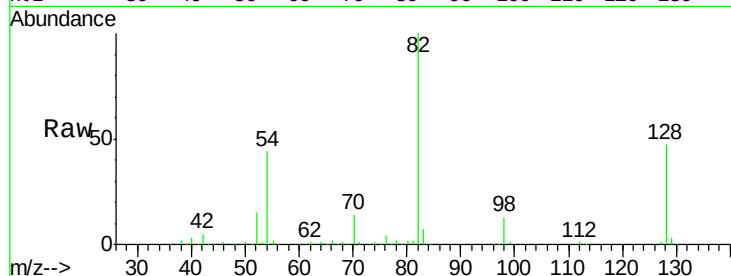




#23  
Nitrobenzene-d5  
Concen: 84.39 ng  
RT: 7.26 min Scan# 496  
Delta R.T. -0.02 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

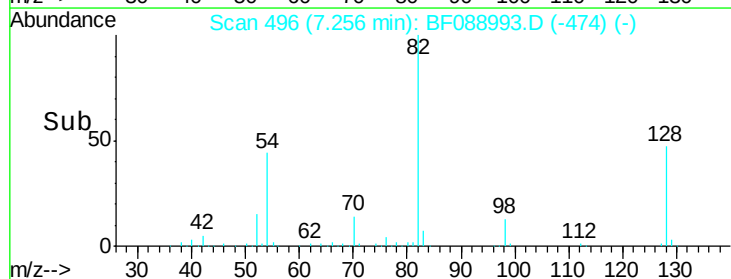
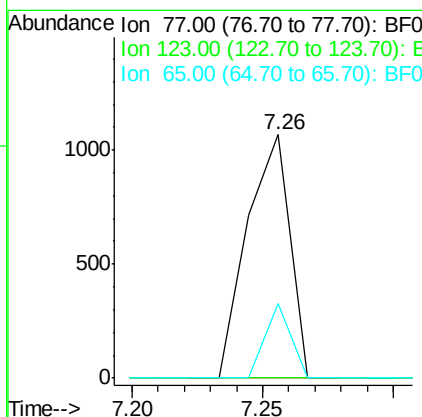
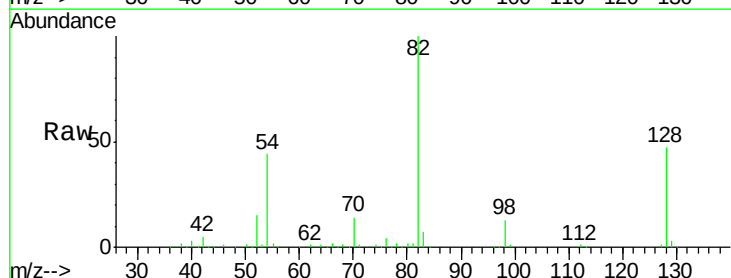
Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

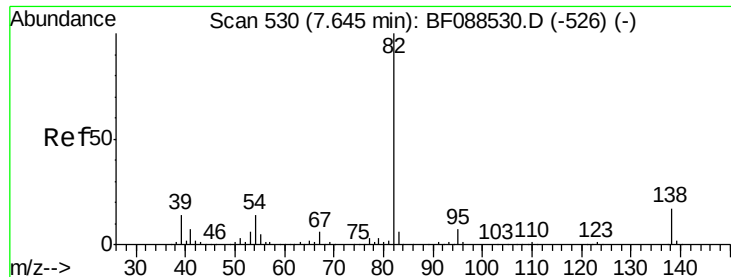
Tot Ion: 82 Resp: 393888  
Ion Ratio Lower Upper  
82 100  
128 46.6 35.9 53.9  
54 43.6 40.9 61.3



#24  
Nitrobenzene  
Concen: 0.26 ng  
RT: 7.26 min Scan# 496  
Delta R.T. -0.05 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion: 77 Resp: 1223  
Ion Ratio Lower Upper  
77 100  
123 0.0 45.0 67.4#  
65 30.9 10.2 15.2#





#25

Isophorone

Concen: 43.09 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

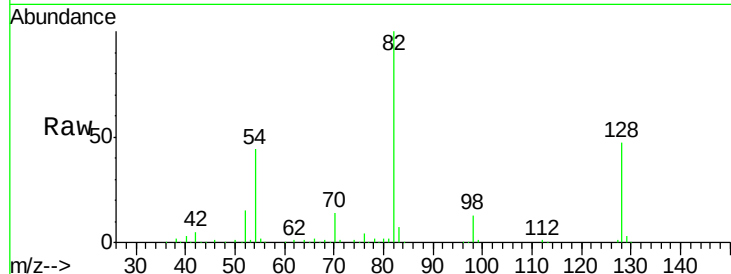
Tot Ion: 82 Resp: 372584

Ion Ratio Lower Upper

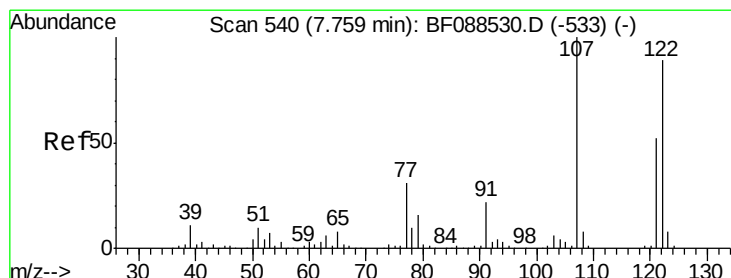
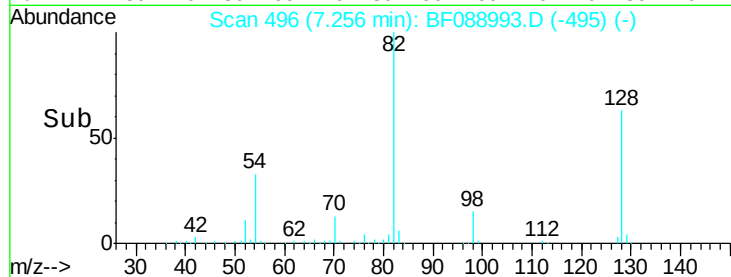
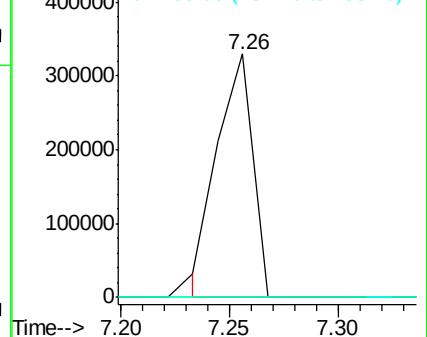
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#27

2,4-Dimethylphenol

Concen: 0.90 ng

RT: 7.70 min Scan# 535

Delta R.T. 0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

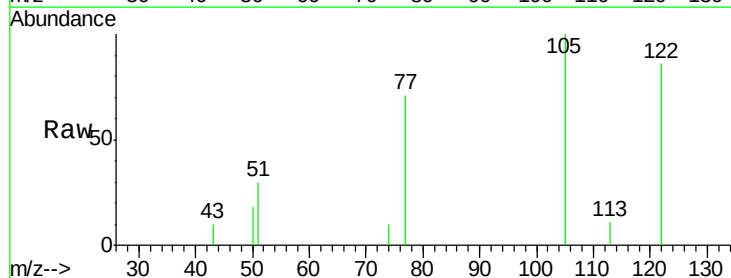
Tgt Ion:122 Resp: 3605

Ion Ratio Lower Upper

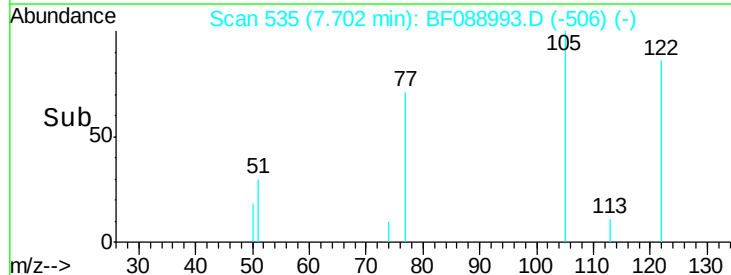
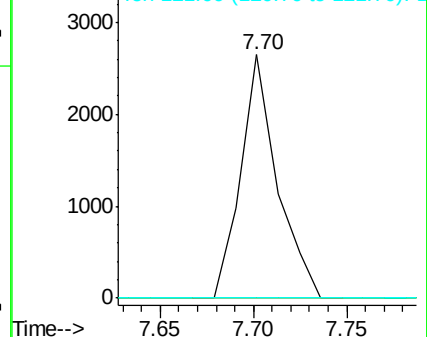
122 100

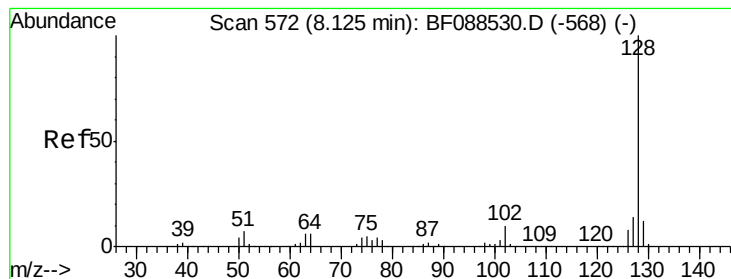
107 0.0 82.4 123.6#

121 0.0 46.3 69.5#



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





#31

Naphthalene

Concen: 0.16 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

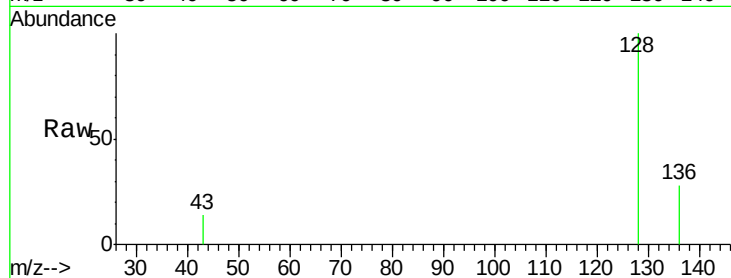
Tot Ion:128 Resp: 1939

Ion Ratio Lower Upper

128 100

129 0.0 9.4 14.2#

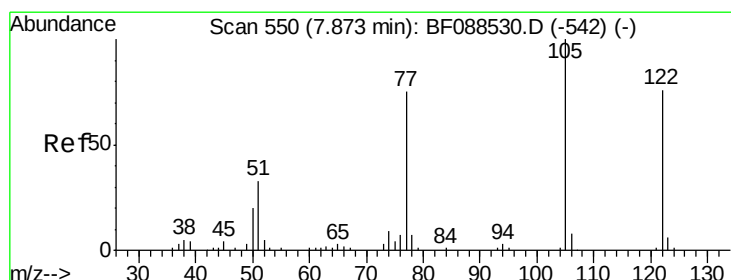
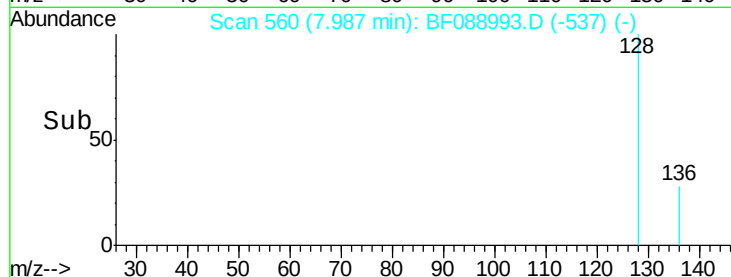
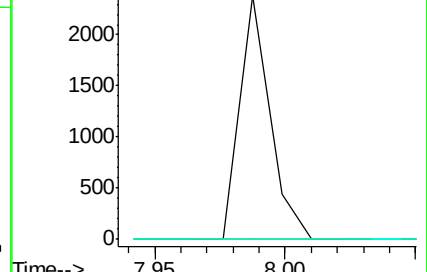
127 0.0 10.9 16.3#



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: 1.24 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.10 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

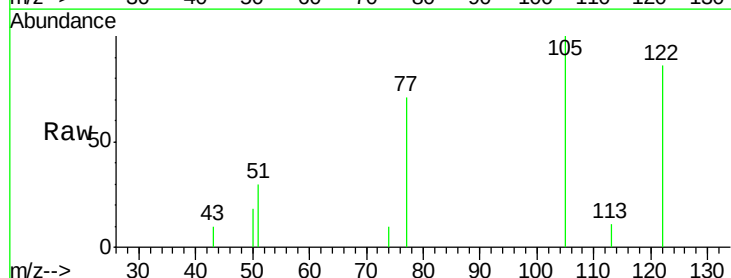
Tgt Ion:122 Resp: 3605

Ion Ratio Lower Upper

122 100

105 116.5 101.6 141.6

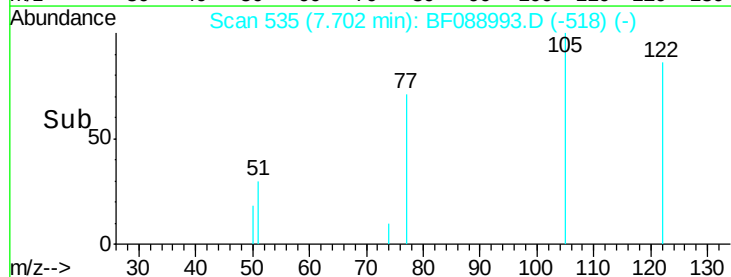
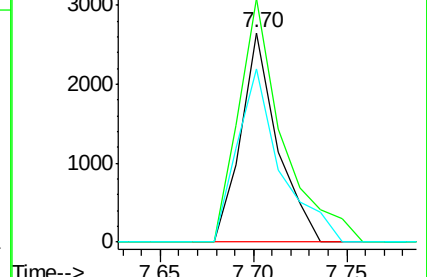
77 82.9 70.6 110.6

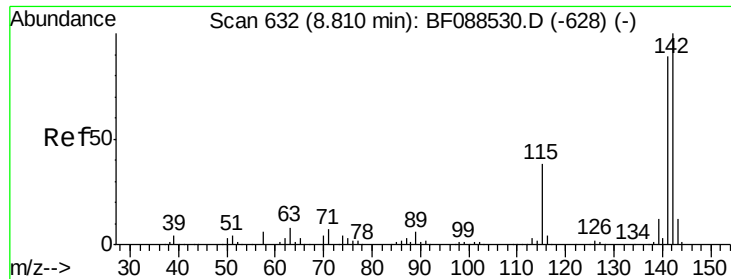


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

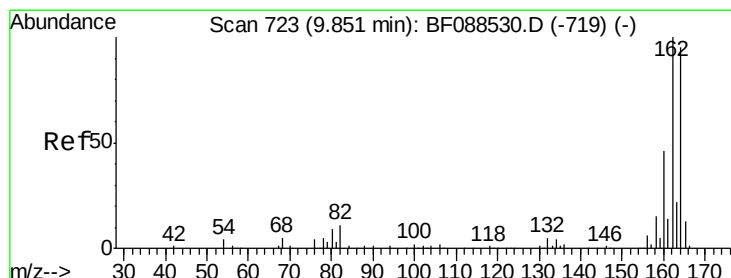
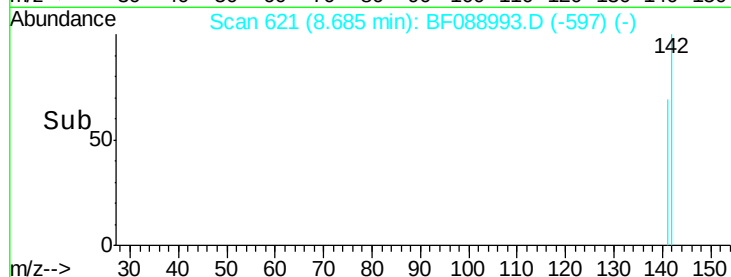
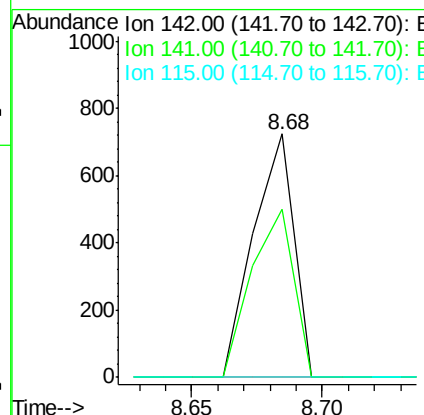
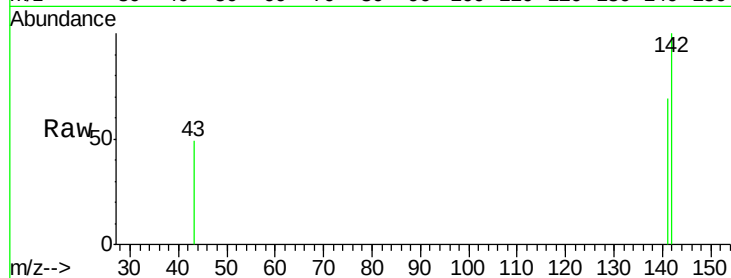




#37  
 2-Methylnaphthalene  
 Concen: 0.10 ng  
 RT: 8.68 min Scan# 621  
 Delta R.T. -0.02 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

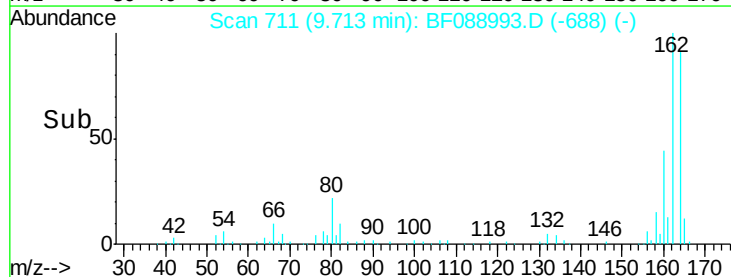
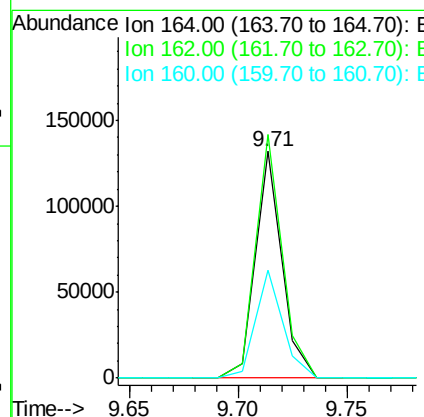
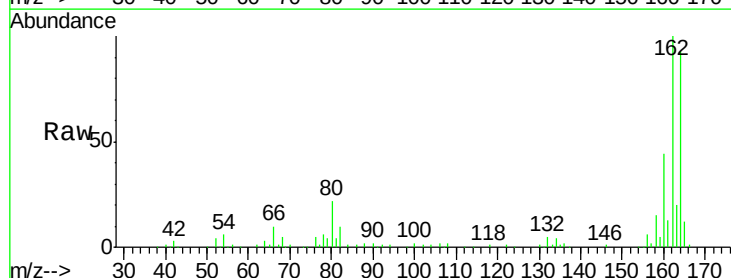
Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

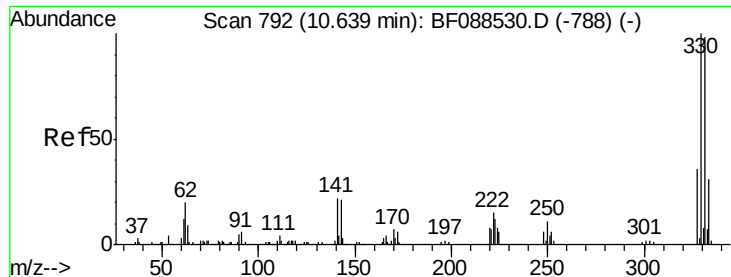
Tot Ion:142 Resp: 789  
 Ion Ratio Lower Upper  
 142 100  
 141 69.2 71.0 106.6#  
 115 0.0 22.6 33.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.71 min Scan# 711  
 Delta R.T. -0.03 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Tgt Ion:164 Resp: 111030  
 Ion Ratio Lower Upper  
 164 100  
 162 107.3 85.4 128.2  
 160 47.6 39.5 59.3

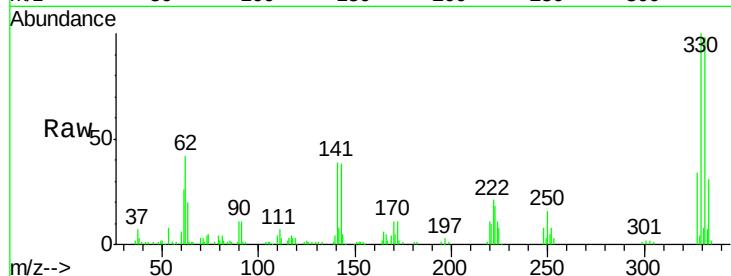




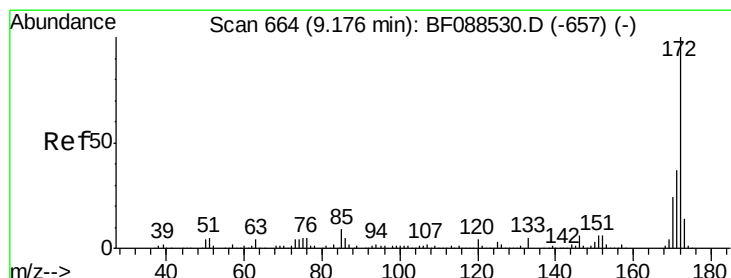
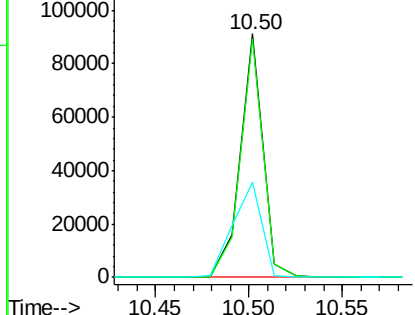
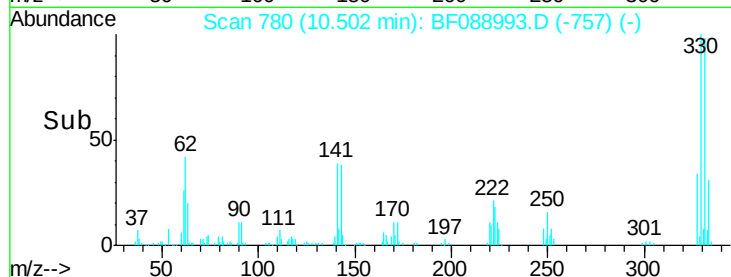
#41  
 2,4,6-Tribromophenol  
 Concen: 74.77 ng  
 RT: 10.50 min Scan# 780  
 Delta R.T. -0.03 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

Tot Ion:330 Resp: 77091  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 0.0 0.0#  
 141 50.1 0.0 0.0#

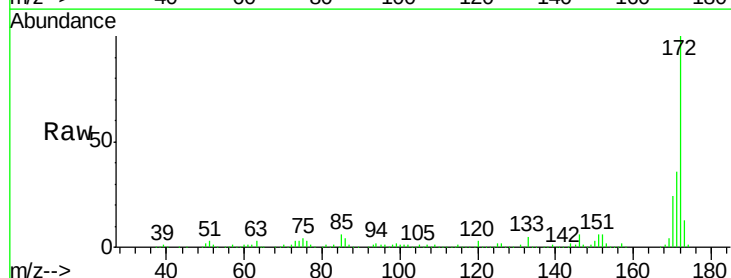


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

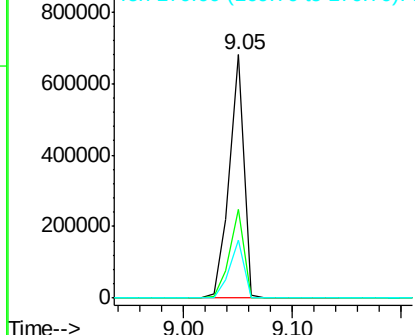
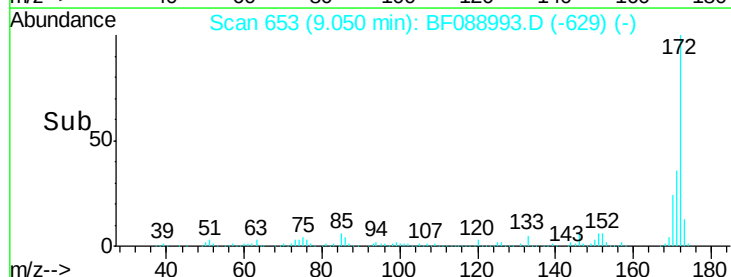


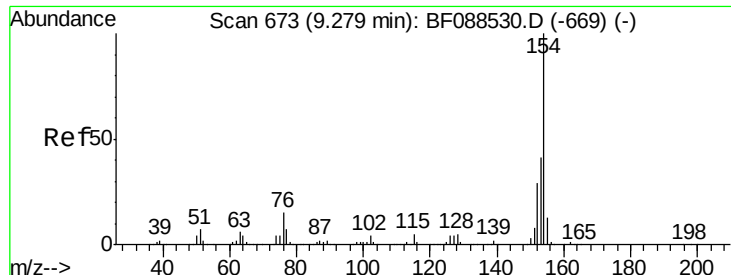
#44  
 2-Fluorobiphenyl  
 Concen: 90.00 ng  
 RT: 9.05 min Scan# 653  
 Delta R.T. -0.02 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Tgt Ion:172 Resp: 632587  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.6 43.0  
 170 23.9 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: 0.05 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

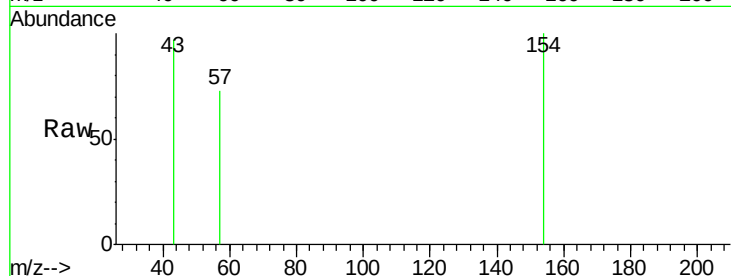
Tot Ion:154 Resp: 423

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

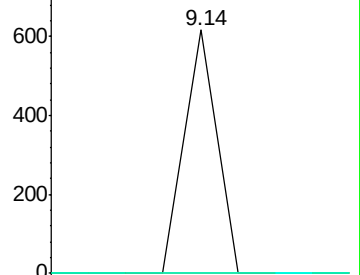
76 0.0 0.0 35.1



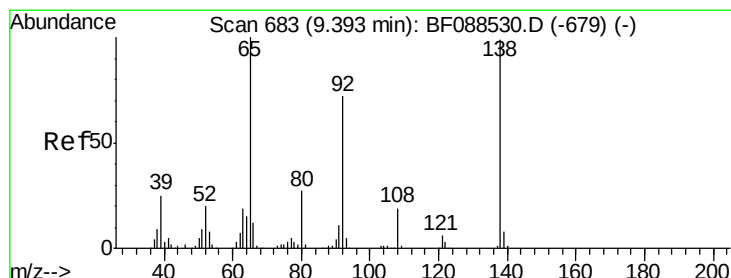
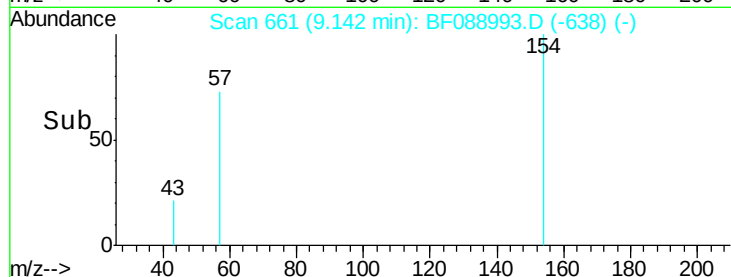
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



Time-->



#47

2-Nitroaniline

Concen: 0.46 ng

RT: 9.44 min Scan# 687

Delta R.T. 0.15 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

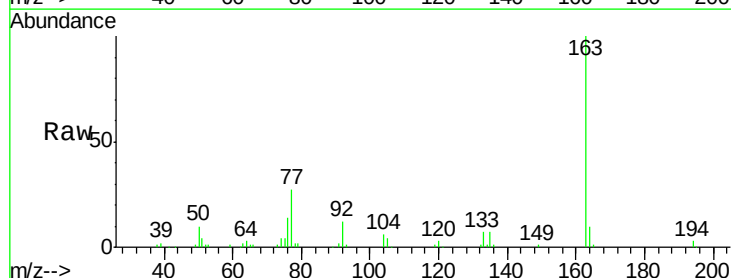
Tgt Ion: 65 Resp: 1177

Ion Ratio Lower Upper

65 100

92 849.1 54.6 82.0#

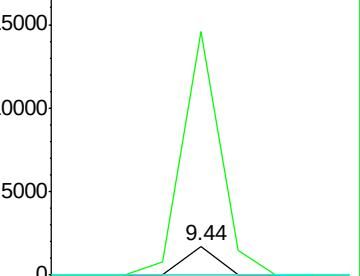
138 0.0 77.0 115.4#



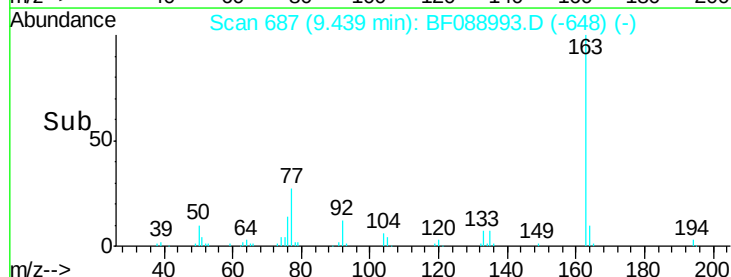
Abundance Ion 65.00 (64.70 to 65.70): BF0

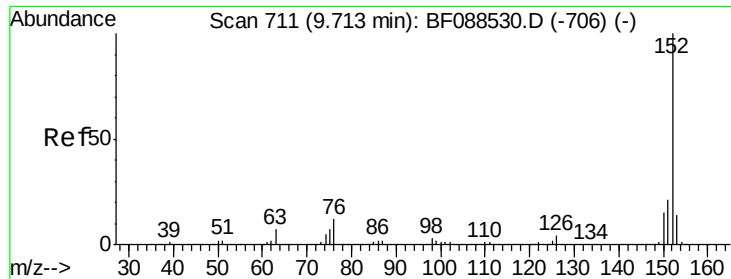
Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E



Time-->





#48

Acenaphthylene

Concen: 0.16 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

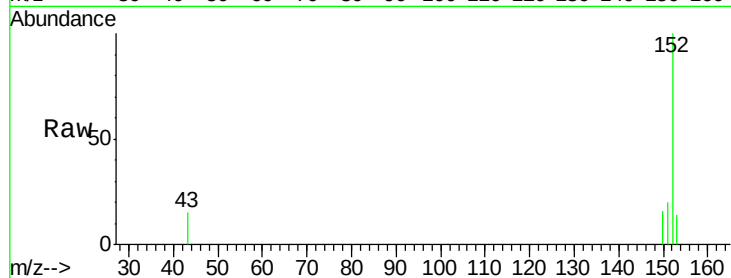
Tot Ion:152 Resp: 1840

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

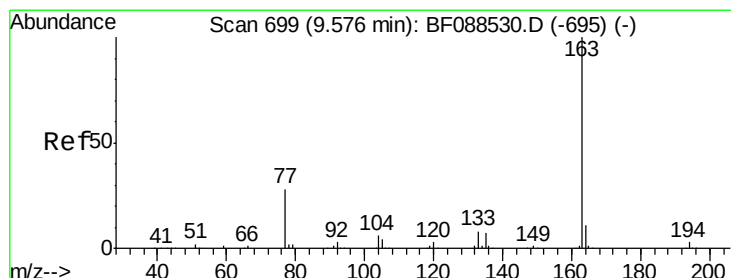
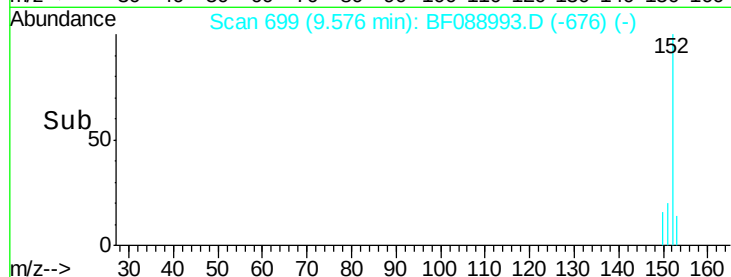
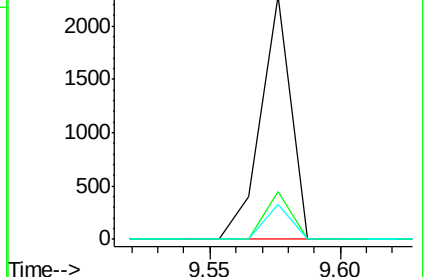
153 14.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.82 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

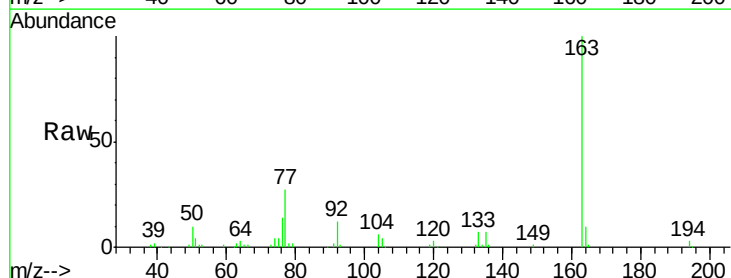
Tgt Ion:163 Resp: 109318

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

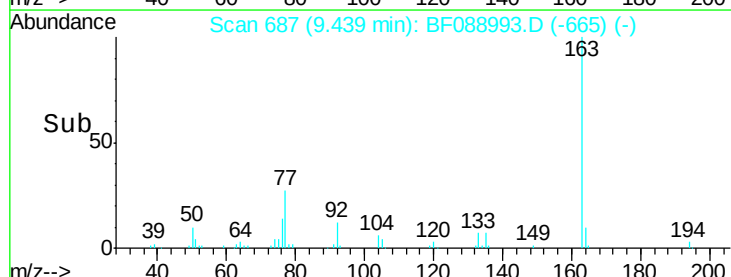
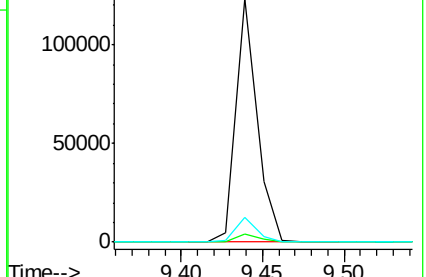
164 10.3 8.3 12.5



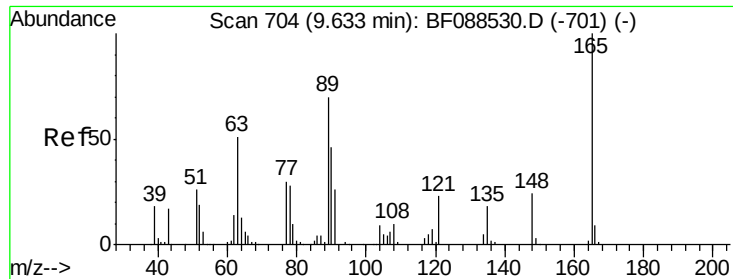
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



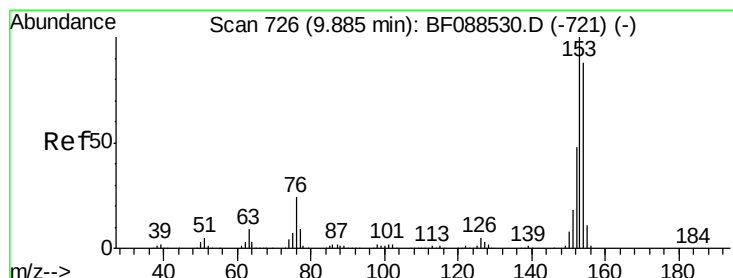
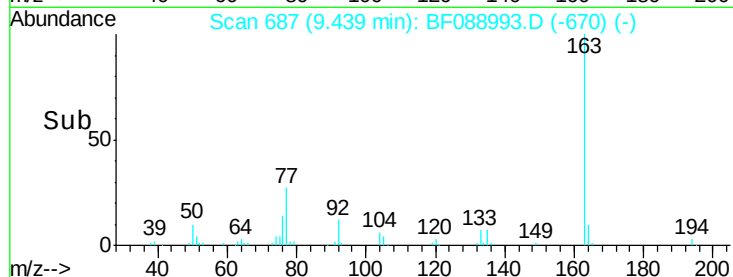
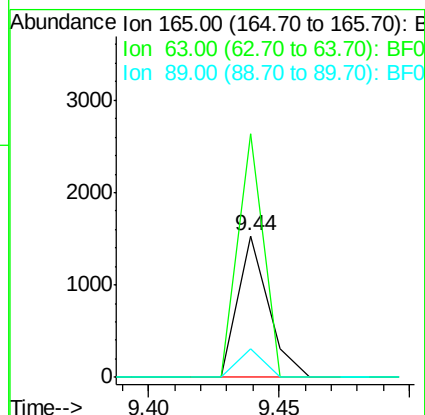
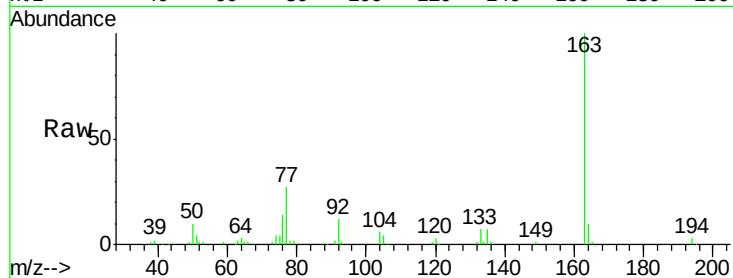




#50  
2,6-Dinitrotoluene  
Concen: 0.72 ng  
RT: 9.44 min Scan# 687  
Delta R.T. -0.10 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

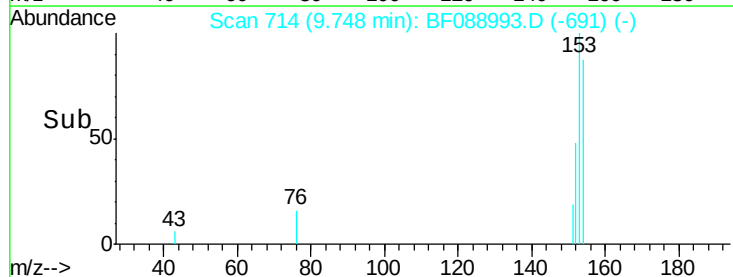
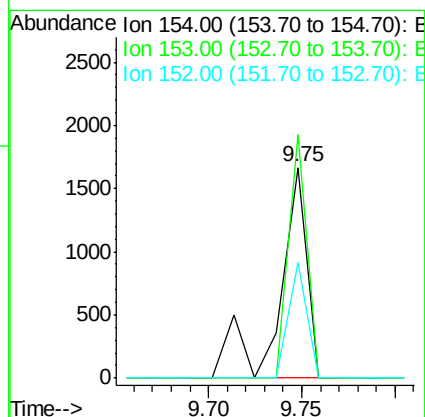
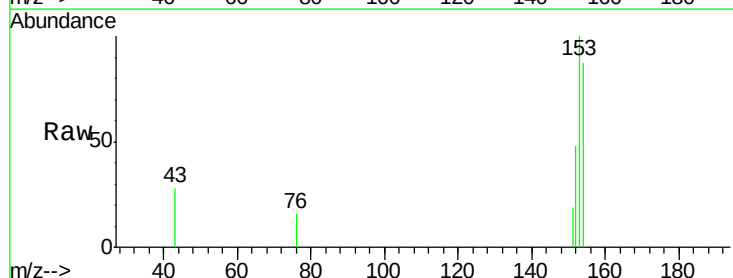
Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

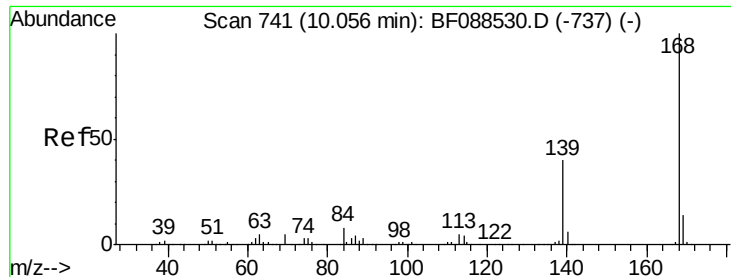
Tot Ion:165 Resp: 1265  
Ion Ratio Lower Upper  
165 100  
63 172.3 28.1 42.1#  
89 19.9 32.2 48.2#



#51  
Acenaphthene  
Concen: 0.25 ng  
RT: 9.75 min Scan# 714  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:154 Resp: 1735  
Ion Ratio Lower Upper  
154 100  
153 115.5 89.5 134.3  
152 55.1 42.7 64.1

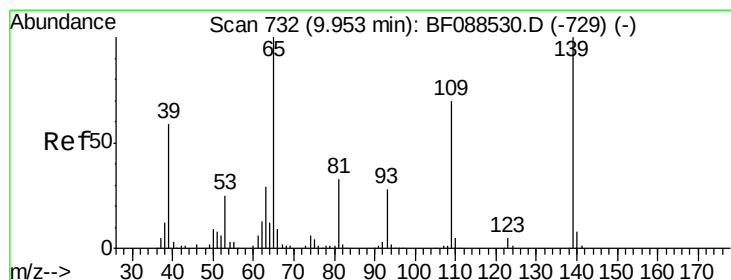
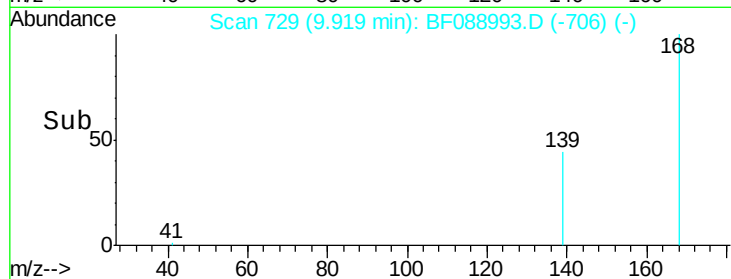
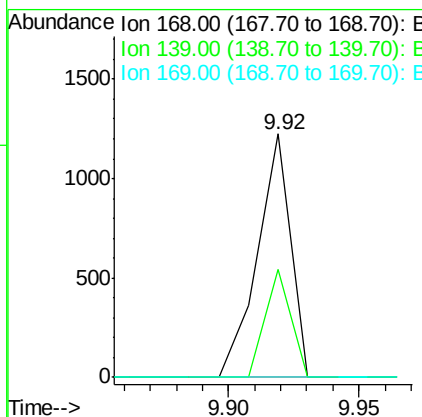
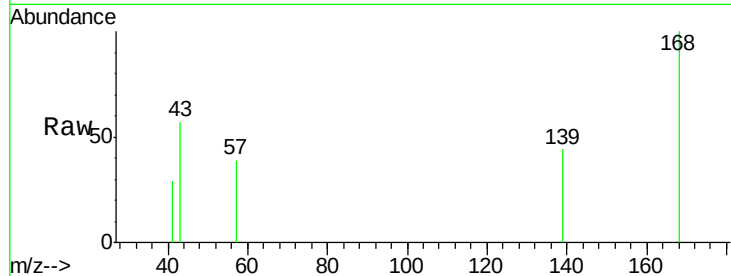




#54  
Dibenzenofuran  
Concen: 0.12 ng  
RT: 9.92 min Scan# 729  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

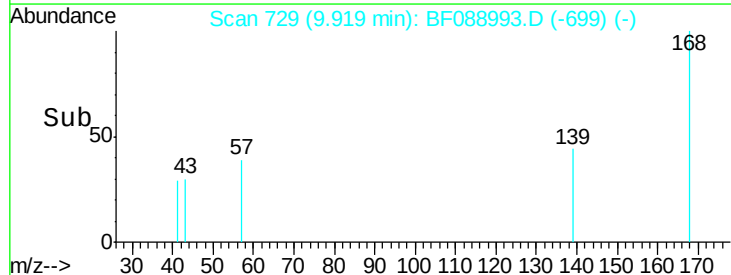
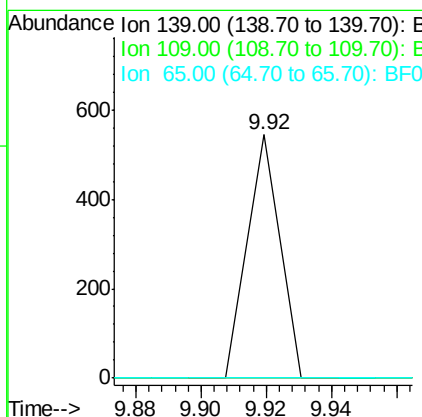
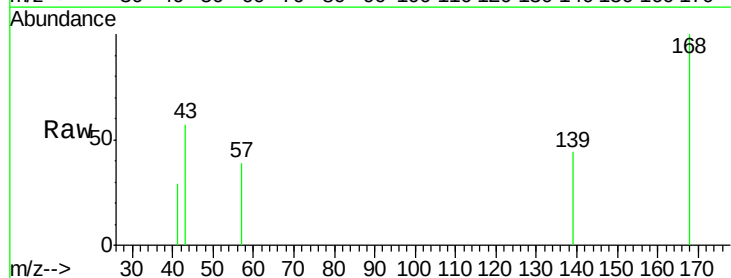
Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

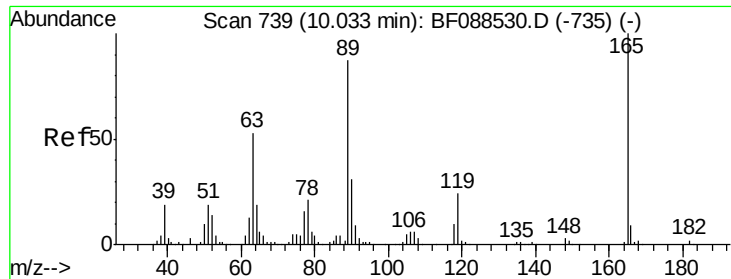
Tot Ion:168 Resp: 1090  
Ion Ratio Lower Upper  
168 100  
139 44.4 26.4 39.6#  
169 0.0 10.4 15.6#



#55  
4-Nitrophenol  
Concen: 0.22 ng  
RT: 9.92 min Scan# 729  
Delta R.T. 0.05 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:139 Resp: 373  
Ion Ratio Lower Upper  
139 100  
109 0.0 48.9 88.9#  
65 0.0 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.23 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

Tot Ion:165 Resp: 14018

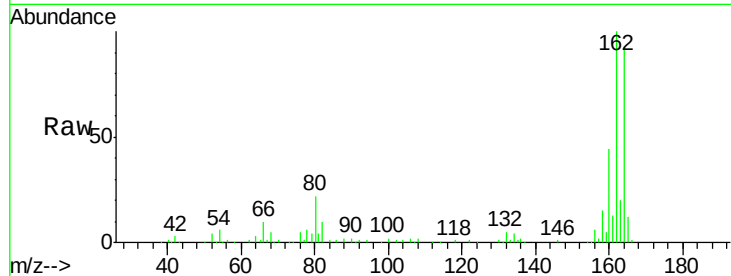
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

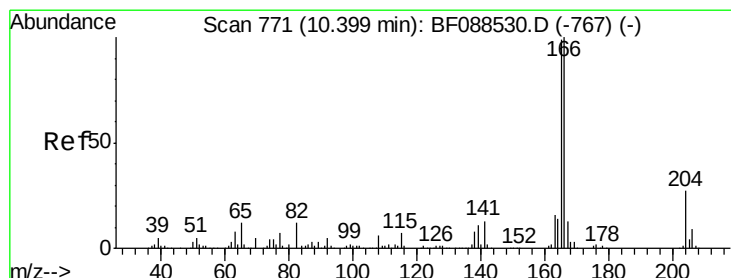
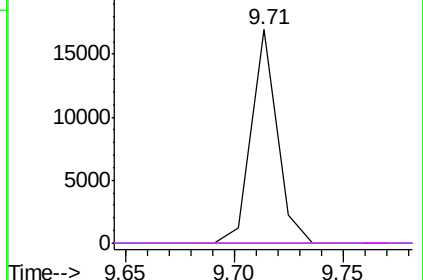
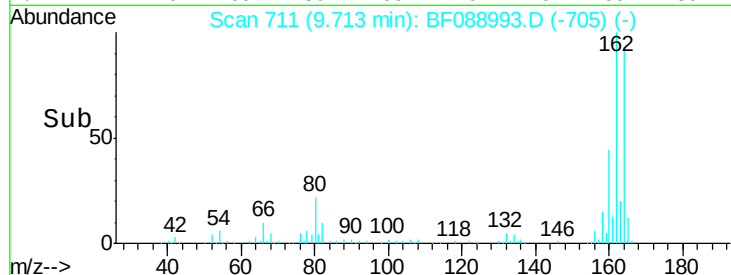


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 0.19 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

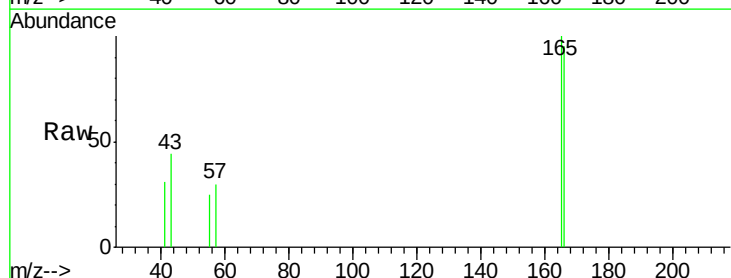
Tgt Ion:166 Resp: 1346

Ion Ratio Lower Upper

166 100

165 105.0 77.8 116.8

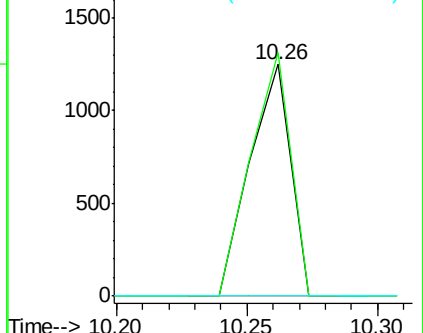
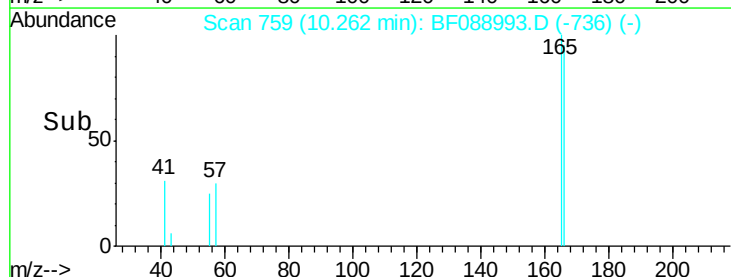
167 0.0 11.2 16.8#

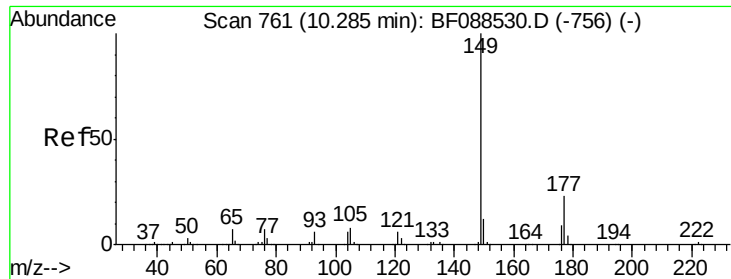


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

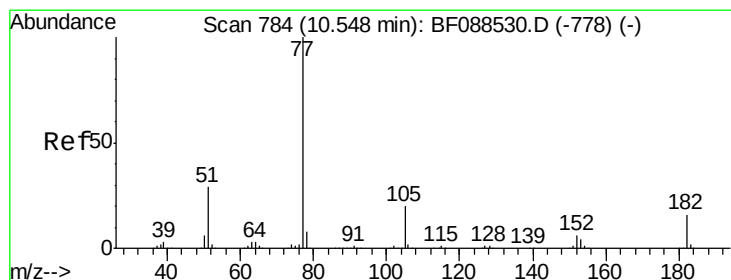
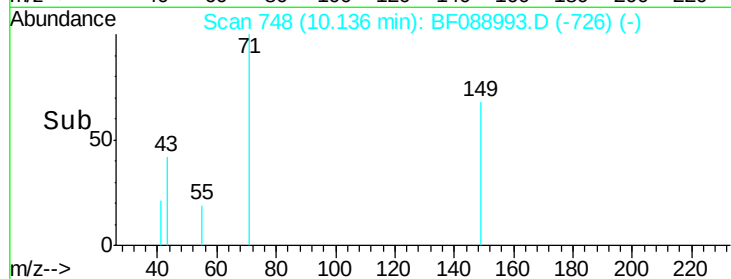
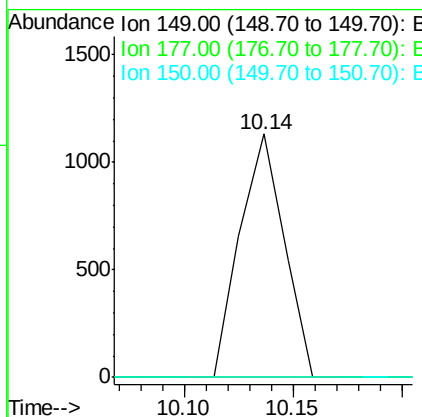
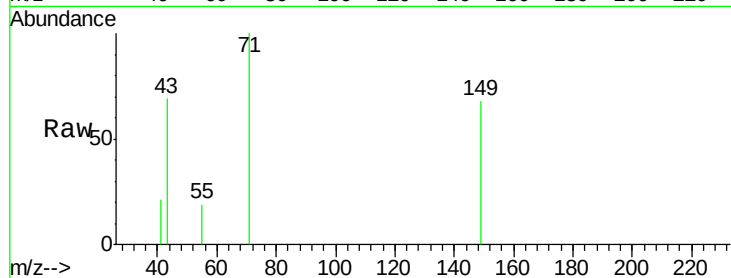




#59  
Diethylphthalate  
Concen: 0.20 ng  
RT: 10.14 min Scan# 748  
Delta R.T. -0.05 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

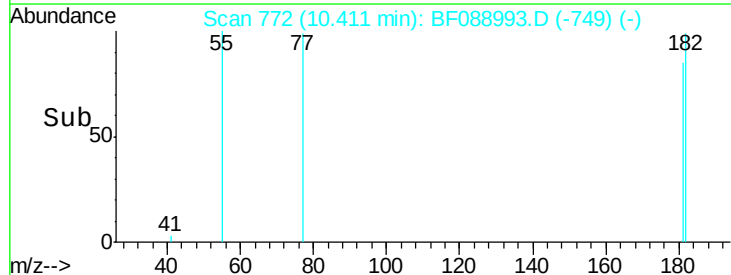
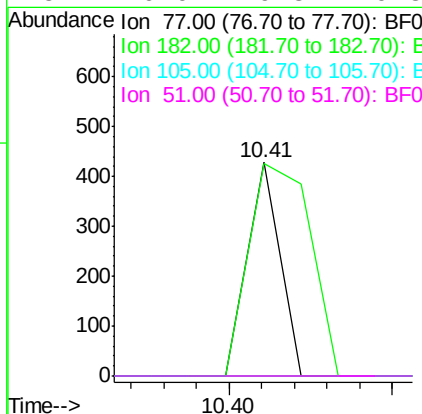
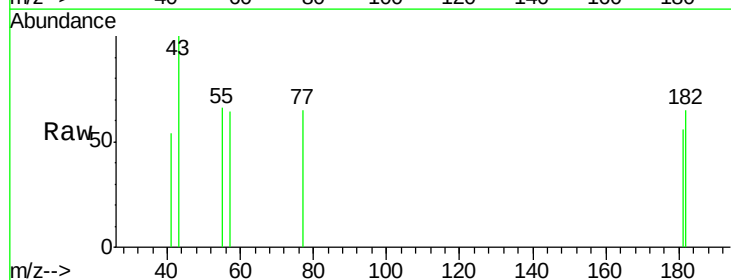
Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

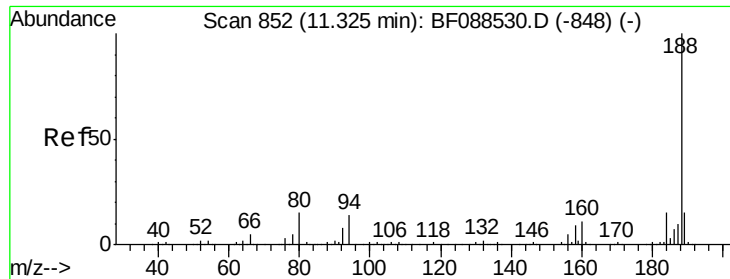
Tot Ion:149 Resp: 1602  
Ion Ratio Lower Upper  
149 100  
177 0.0 16.9 25.3#  
150 0.0 10.1 15.1#



#62  
Azobenzene  
Concen: 0.03 ng  
RT: 10.41 min Scan# 772  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion: 77 Resp: 294  
Ion Ratio Lower Upper  
77 100  
182 99.8 4.4 44.4#  
105 0.0 3.8 43.8#  
51 0.0 9.3 49.3#

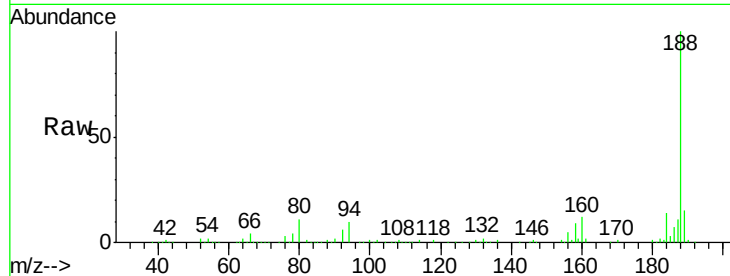




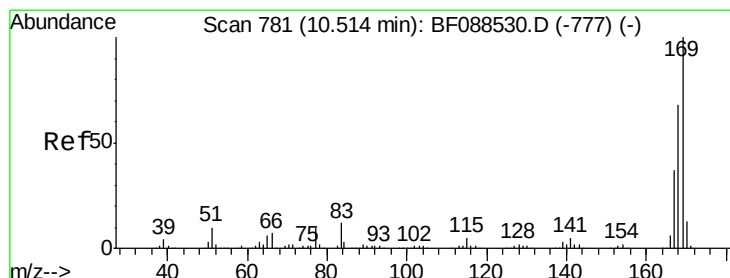
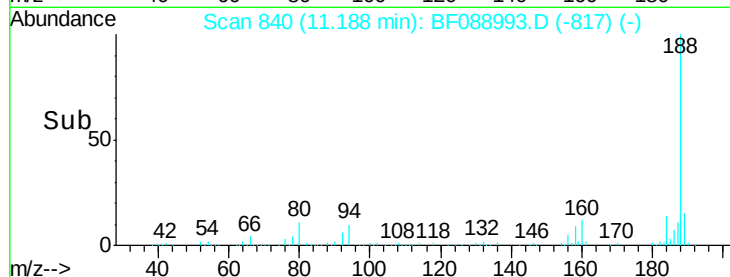
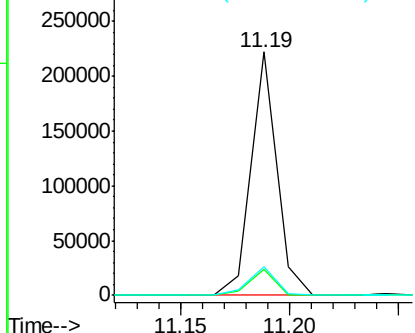
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.19 min Scan# 840  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

Tot Ion:188 Resp: 183350  
Ion Ratio Lower Upper  
188 100  
94 10.5 9.0 13.6  
80 11.5 10.0 15.0

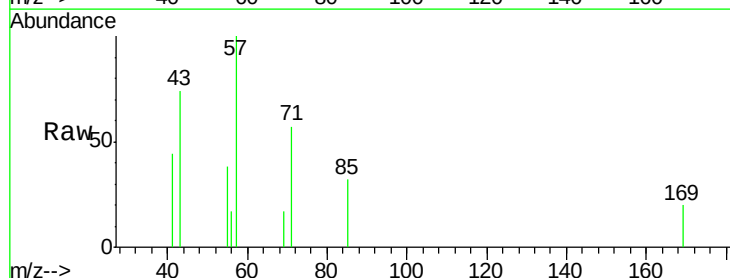


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

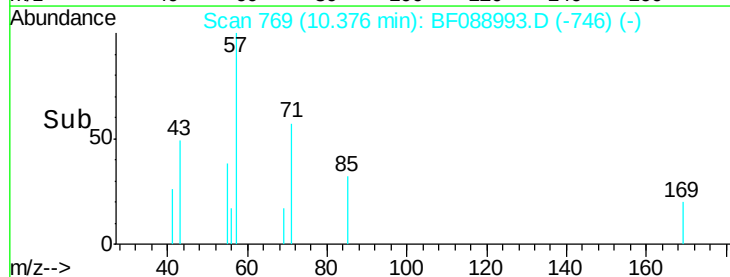
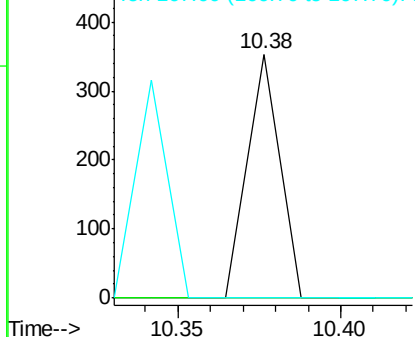


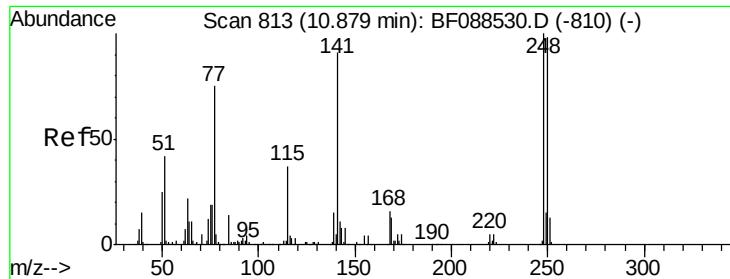
#65  
n-Nitrosodiphenylamine  
Concen: 0.04 ng  
RT: 10.38 min Scan# 769  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:169 Resp: 242  
Ion Ratio Lower Upper  
169 100  
168 0.0 53.4 80.0#  
167 0.0 29.4 44.0#



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

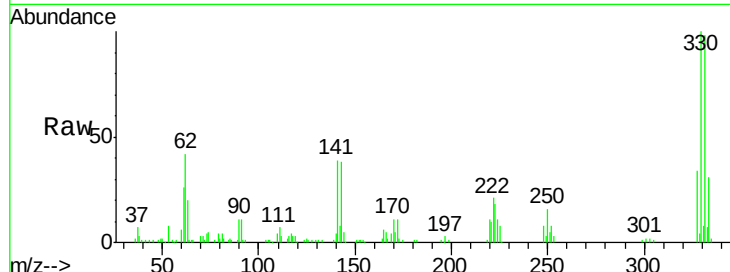




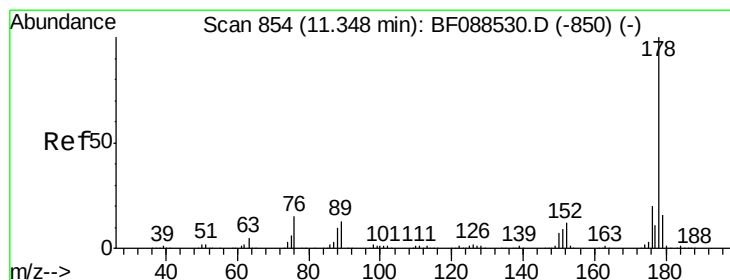
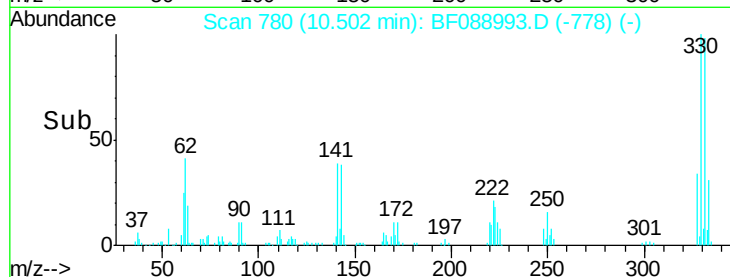
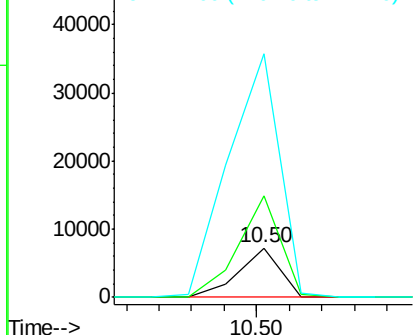
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.39 ng  
 RT: 10.50 min Scan# 780  
 Delta R.T. -0.27 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

Tot Ion:248 Resp: 6270  
 Ion Ratio Lower Upper  
 248 100  
 250 204.8 77.1 115.7#  
 141 492.5 50.6 76.0#

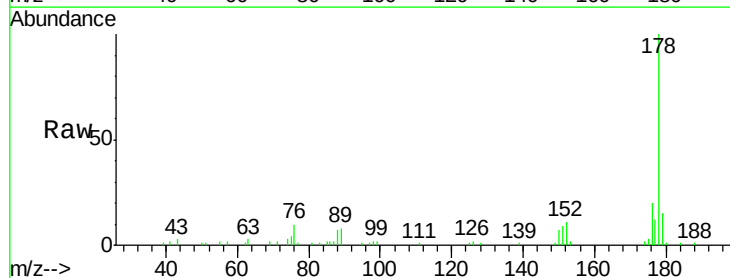


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

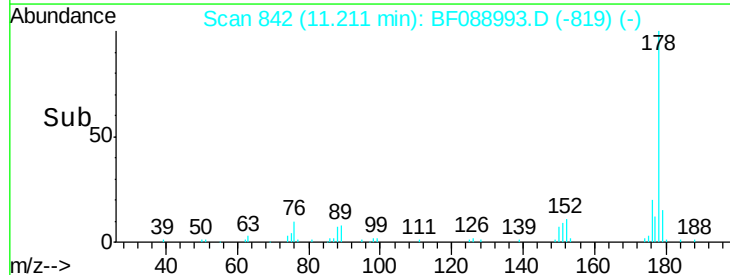
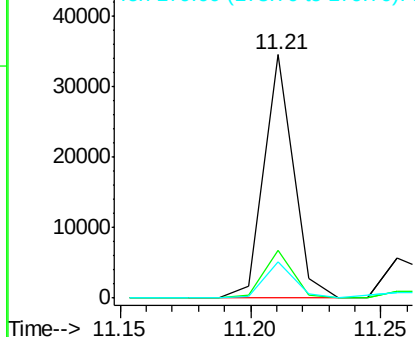


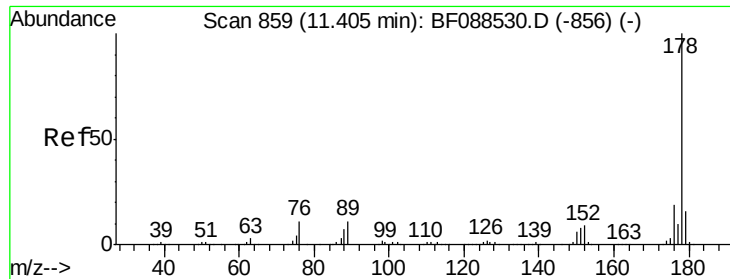
#70  
 Phenanthrene  
 Concen: 2.67 ng  
 RT: 11.21 min Scan# 842  
 Delta R.T. -0.03 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Tgt Ion:178 Resp: 26739  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.8 23.6  
 179 15.0 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

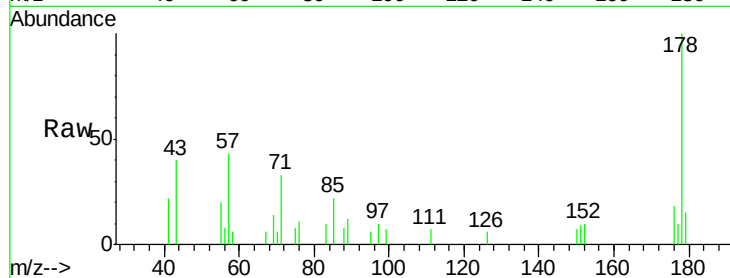




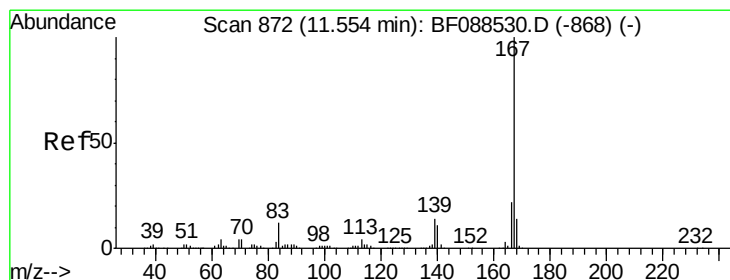
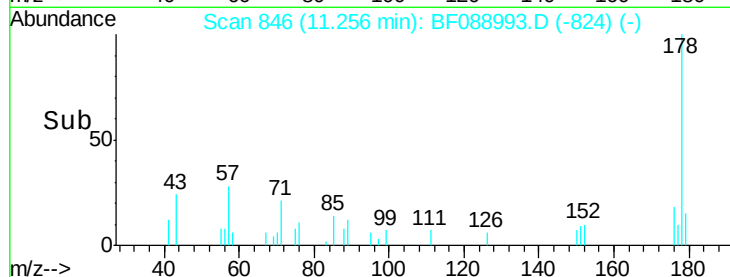
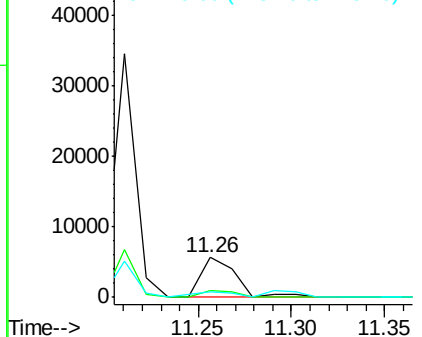
#71  
 Anthracene  
 Concen: 0.72 ng  
 RT: 11.26 min Scan# 846  
 Delta R.T. -0.05 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

Tot Ion:178 Resp: 7137  
 Ion Ratio Lower Upper  
 178 100  
 176 18.1 15.6 23.4  
 179 15.2 12.8 19.2

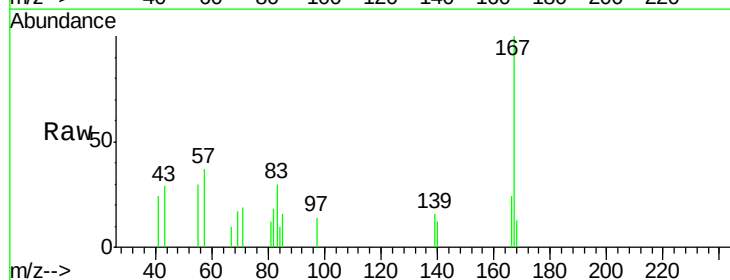


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

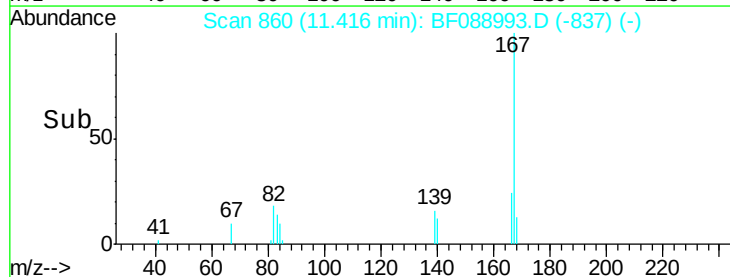
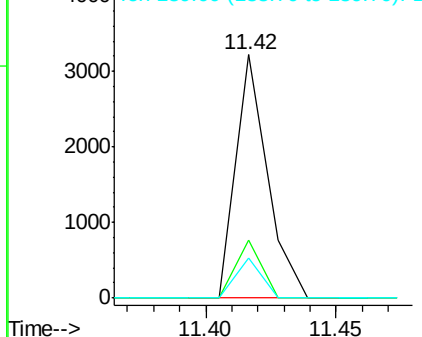


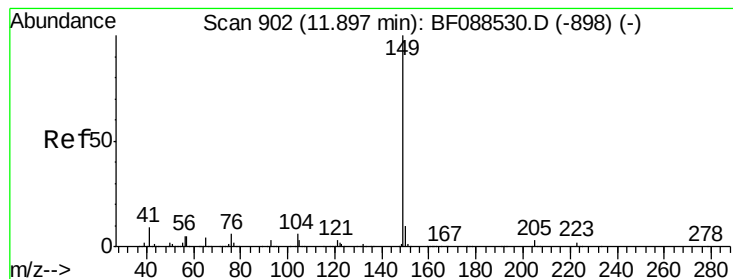
#72  
 Carbazole  
 Concen: 0.29 ng  
 RT: 11.42 min Scan# 860  
 Delta R.T. -0.03 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Tgt Ion:167 Resp: 2732  
 Ion Ratio Lower Upper  
 167 100  
 166 23.7 17.8 26.6  
 139 16.5 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.78 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

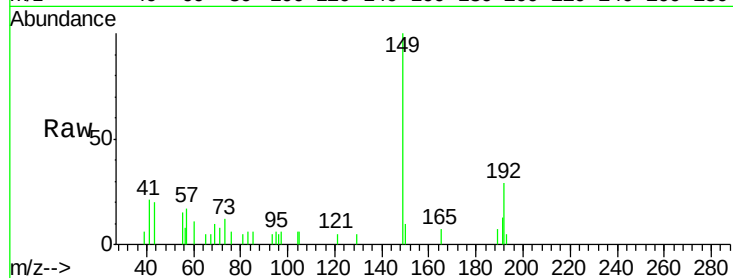
Tot Ion:149 Resp: 8551

Ion Ratio Lower Upper

149 100

150 10.2 7.8 11.6

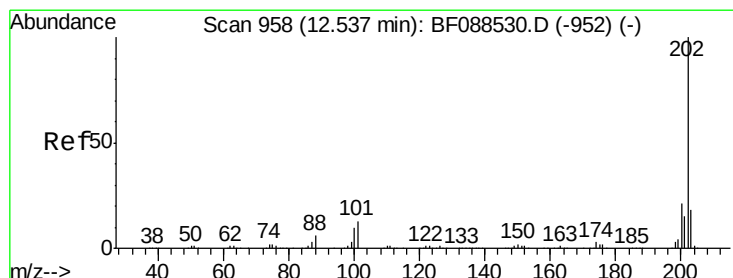
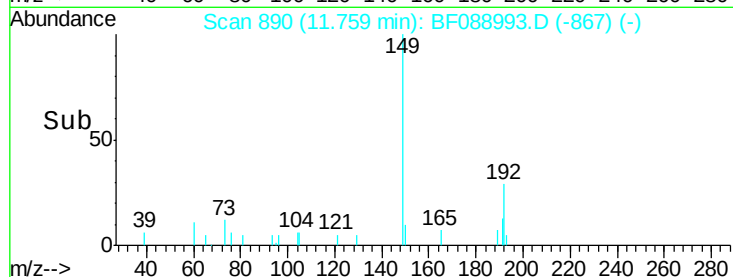
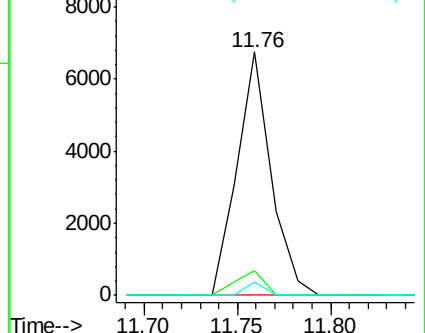
104 5.6 4.0 6.0



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



#74

Fluoranthene

Concen: 6.11 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

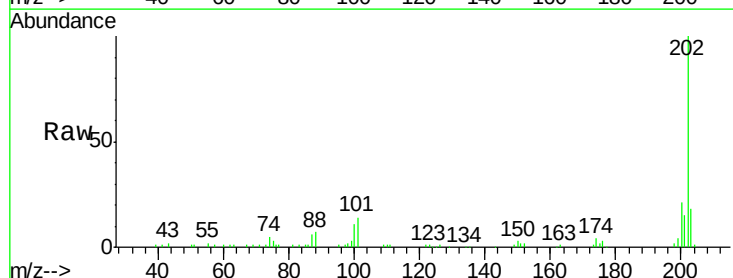
Tgt Ion:202 Resp: 62034

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.1

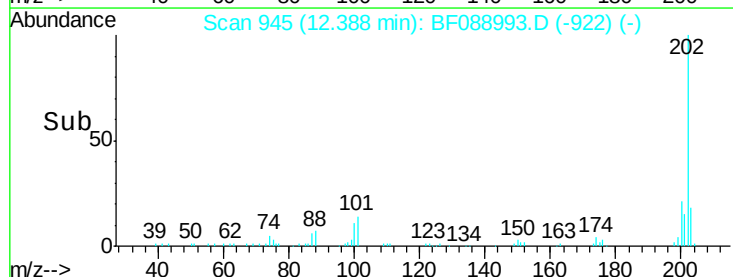
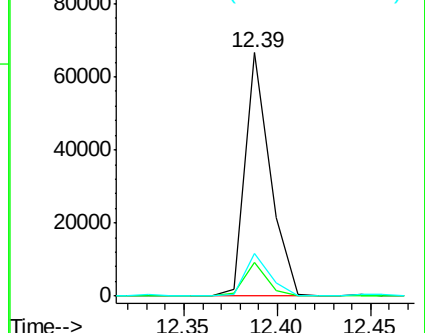
203 17.7 0.0 38.1



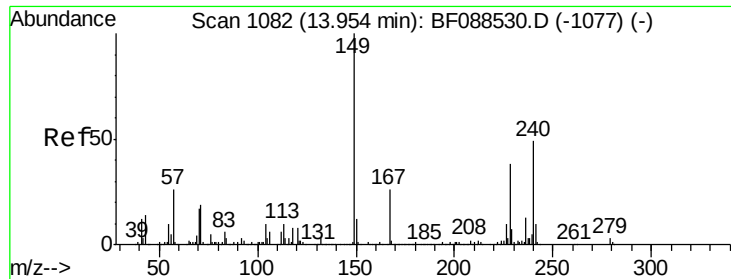
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



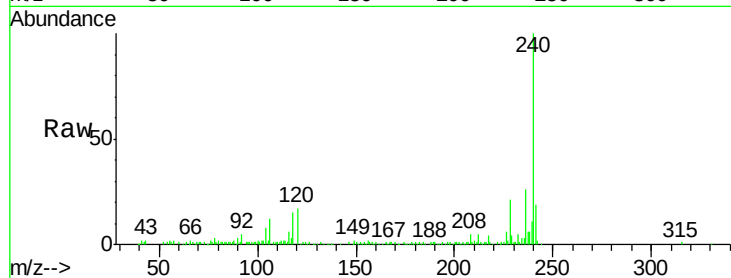




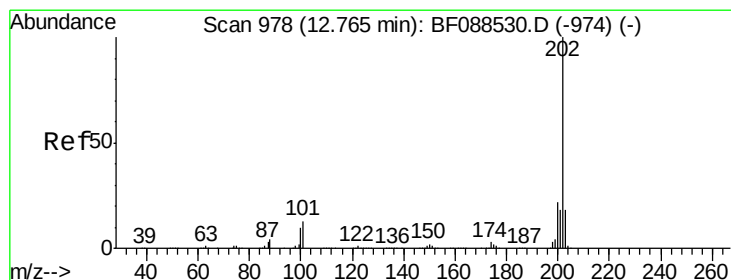
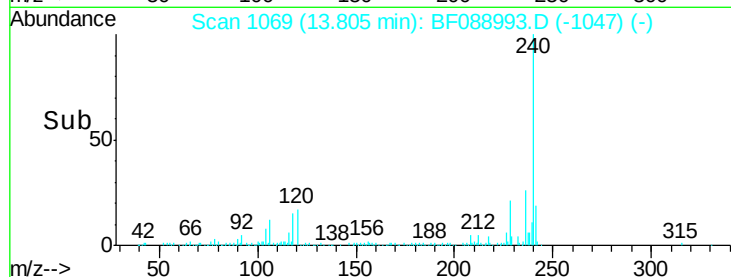
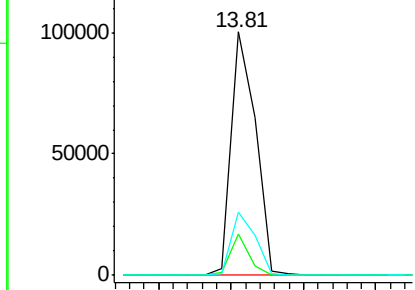
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.81 min Scan# 1069  
Delta R.T. -0.05 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

Tot Ion:240 Resp: 117200  
Ion Ratio Lower Upper  
240 100  
120 17.0 6.8 10.2#  
236 26.0 20.2 30.2

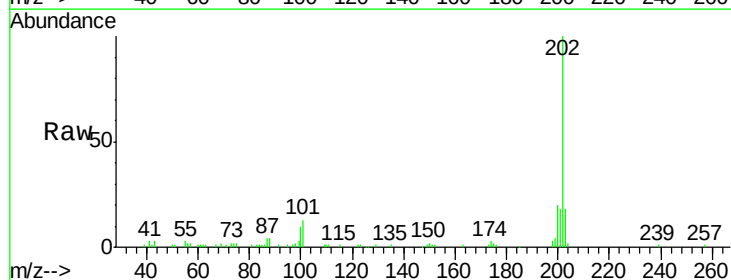


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

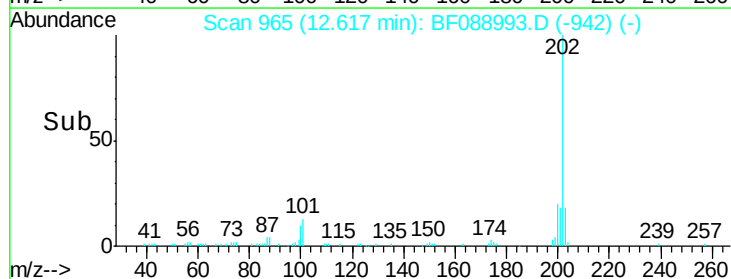
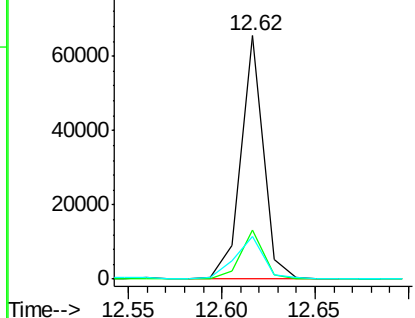


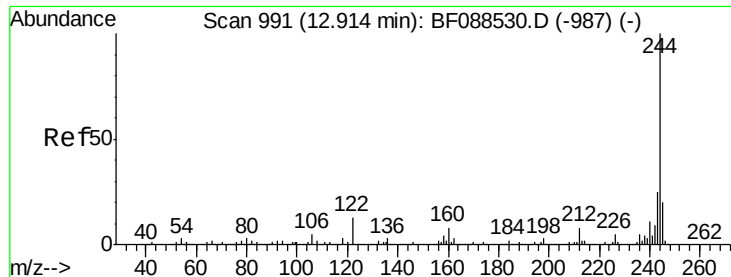
#77  
Pyrene  
Concen: 5.57 ng  
RT: 12.62 min Scan# 965  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:202 Resp: 55388  
Ion Ratio Lower Upper  
202 100  
200 20.3 17.4 26.2  
203 17.7 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

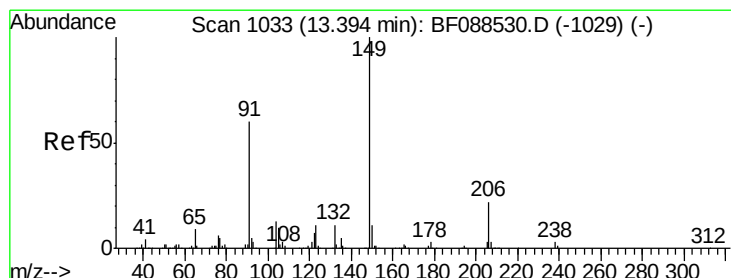
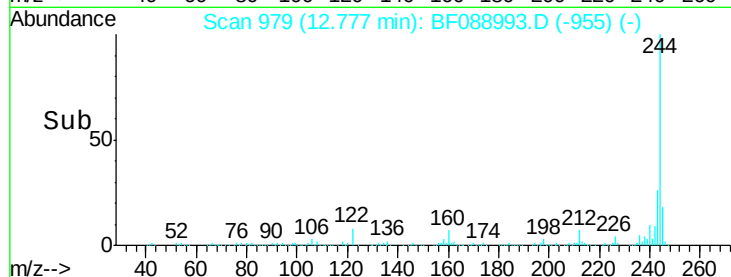
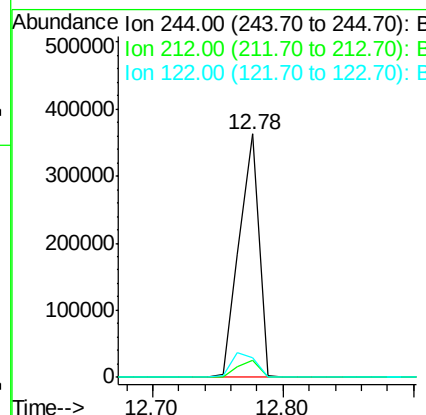
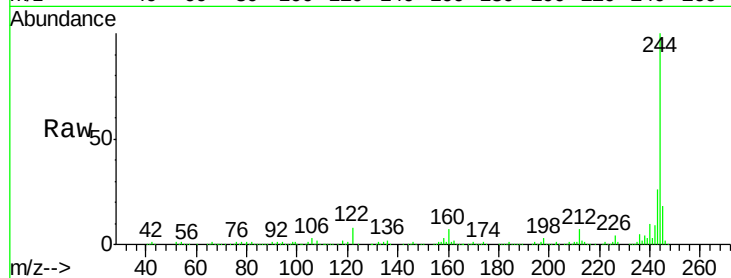




#78  
 Terphenyl-d14  
 Concen: 72.28 ng  
 RT: 12.78 min Scan# 979  
 Delta R.T. -0.02 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

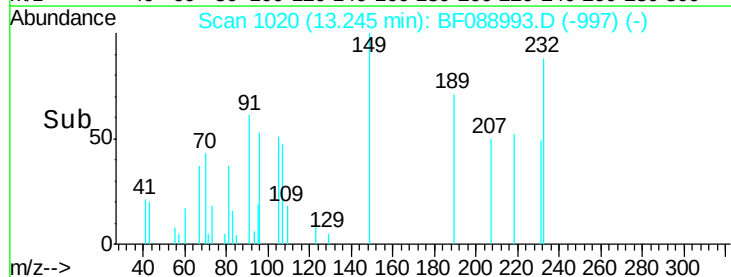
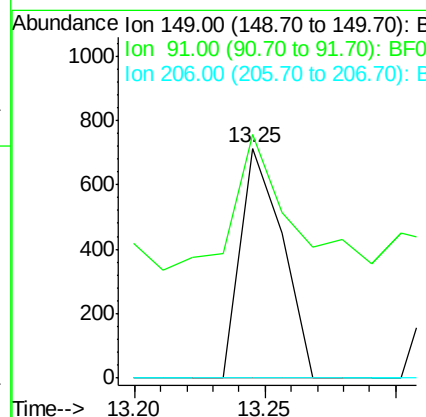
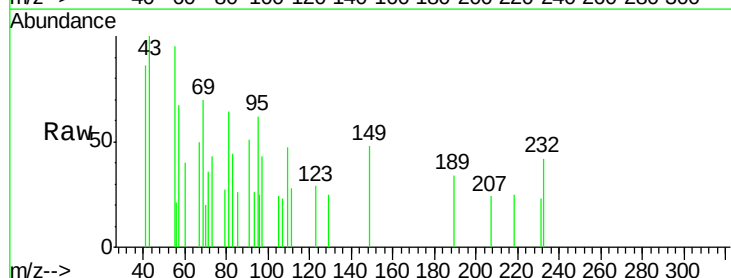
Instrument :  
 BNA\_F  
 ClientSampleId :  
 Q7-B1(0-5)C

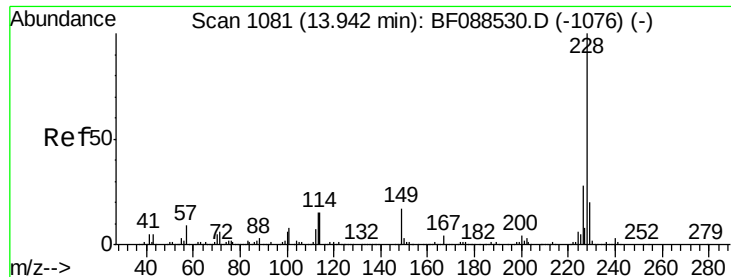
Tot Ion:244 Resp: 380347  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.0 9.0  
 122 7.9 11.2 16.8#



#79  
 Butylbenzylphthalate  
 Concen: 0.18 ng  
 RT: 13.25 min Scan# 1020  
 Delta R.T. -0.03 min  
 Lab File: BF088993.D  
 Acq: 14 Jul 2016 18:47

Tgt Ion:149 Resp: 798  
 Ion Ratio Lower Upper  
 149 100  
 91 106.0 48.0 72.0#  
 206 0.0 16.0 24.0#





#80

Benzo(a)anthracene

Concen: 4.70 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

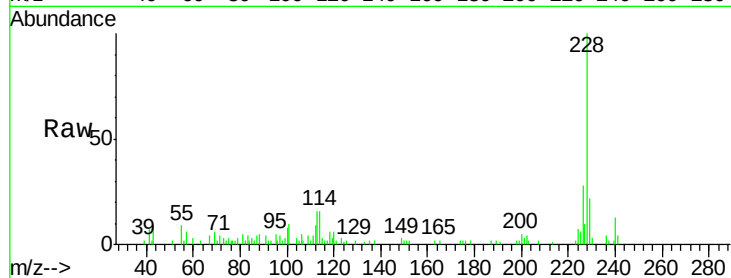
Tot Ion:228 Resp: 35457

Ion Ratio Lower Upper

228 100

226 28.3 22.3 33.5

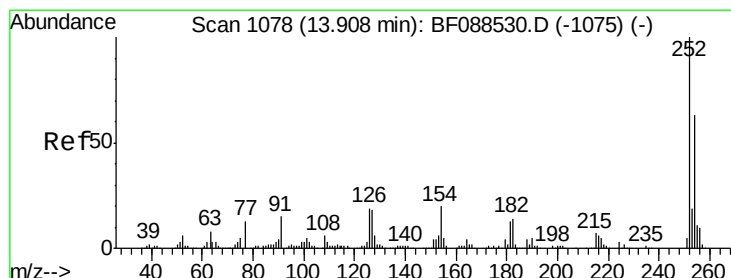
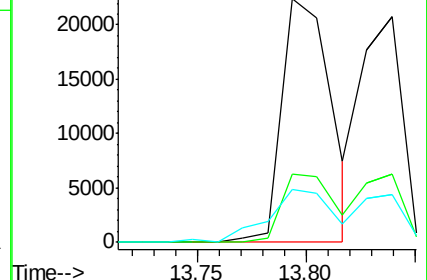
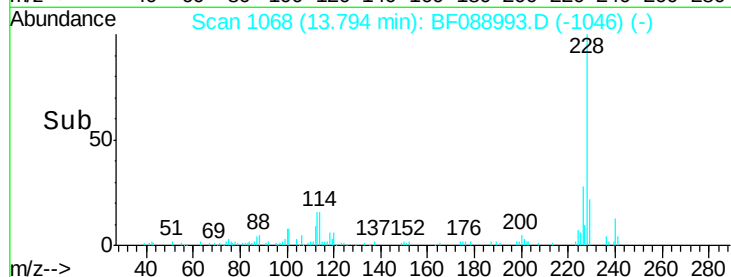
229 21.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.08 ng

RT: 13.85 min Scan# 1073

Delta R.T. 0.05 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

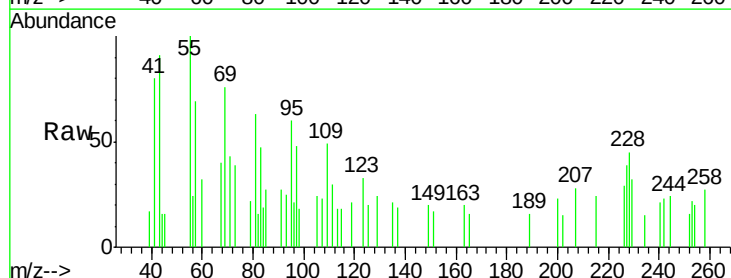
Tgt Ion:252 Resp: 218

Ion Ratio Lower Upper

252 100

254 125.5 52.6 78.8#

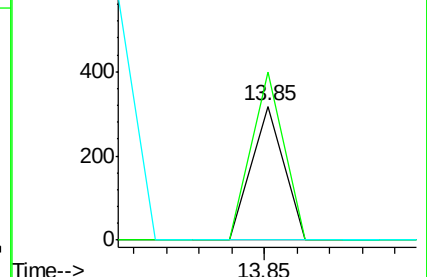
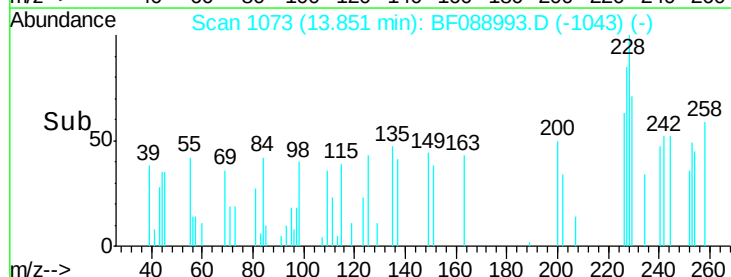
126 0.0 6.2 9.2#

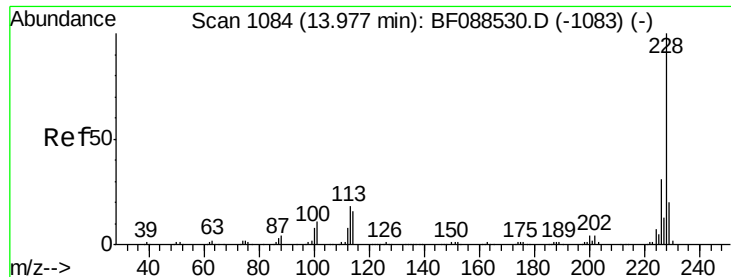


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 4.75 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

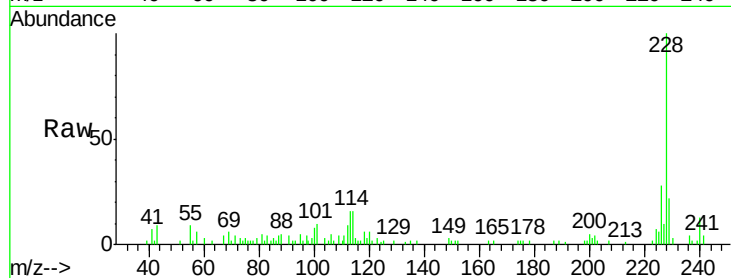
Tot Ion:228 Resp: 35457

Ion Ratio Lower Upper

228 100

226 28.3 25.4 38.2

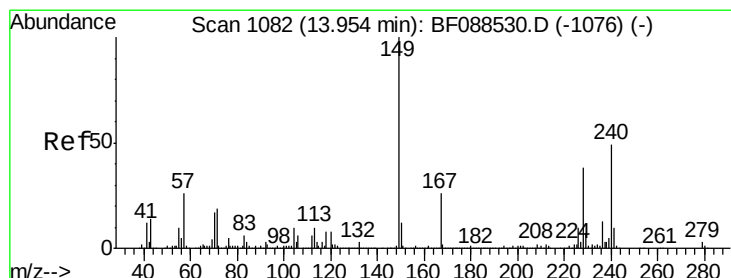
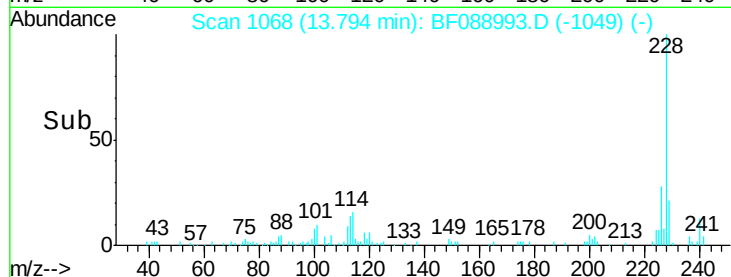
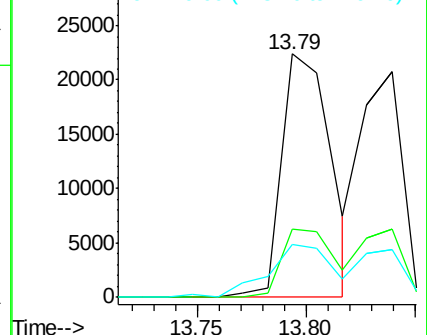
229 21.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.39 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

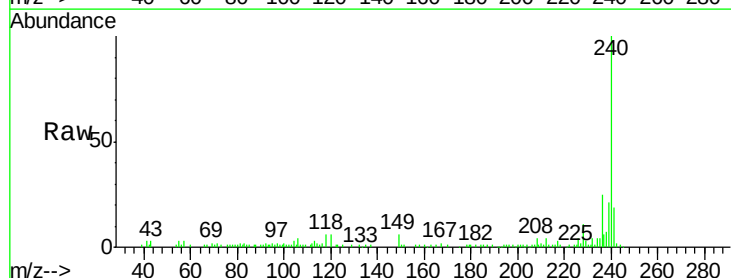
Tgt Ion:149 Resp: 7018

Ion Ratio Lower Upper

149 100

167 29.0 20.5 30.7

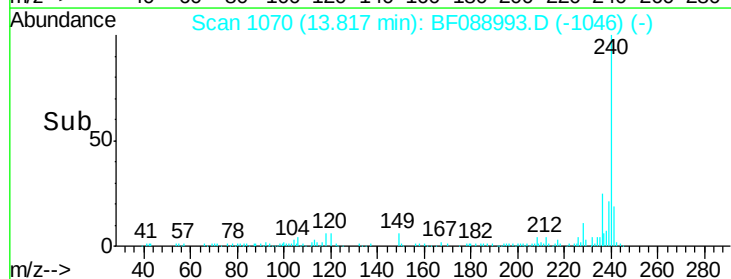
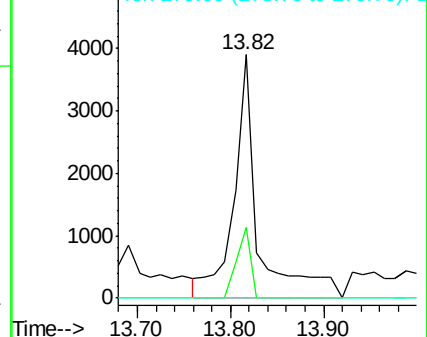
279 0.0 2.0 3.0#

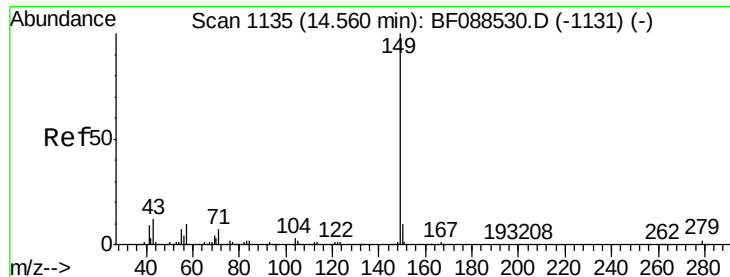


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.27 ng

RT: 14.42 min Scan# 1123

Delta R.T. -0.03 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

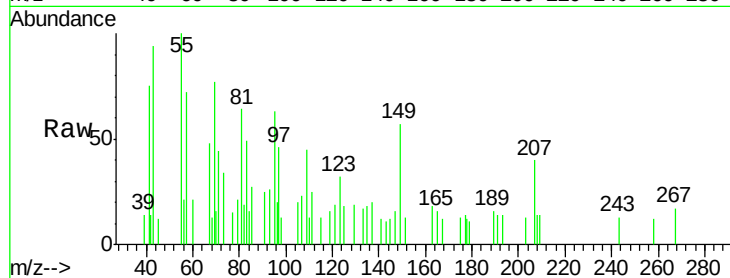
Tot Ion:149 Resp: 2309

Ion Ratio Lower Upper

149 100

167 28.5 0.0 0.0#

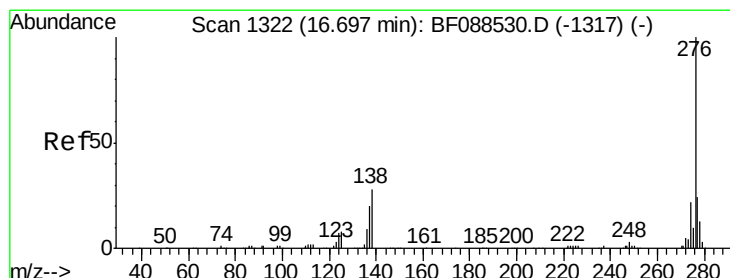
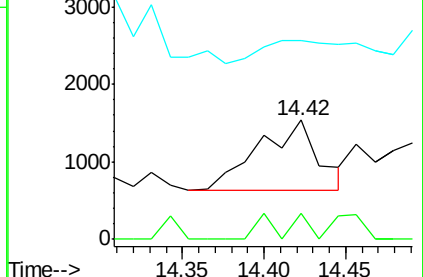
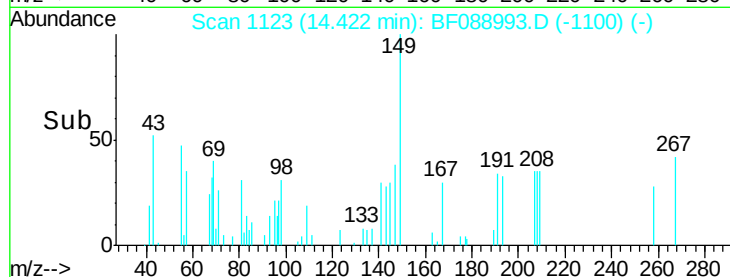
43 56.0 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.79 ng

RT: 16.45 min Scan# 1300

Delta R.T. -0.06 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

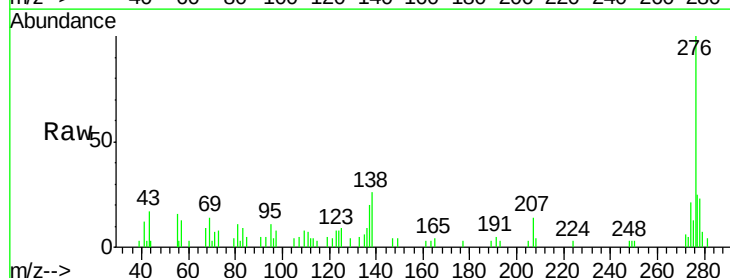
Tgt Ion:276 Resp: 21789

Ion Ratio Lower Upper

276 100

138 27.9 0.0 0.0#

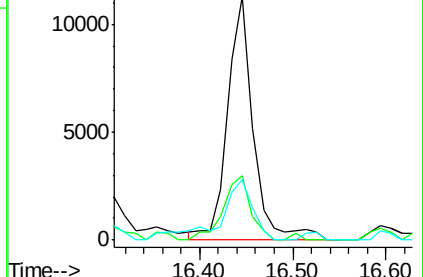
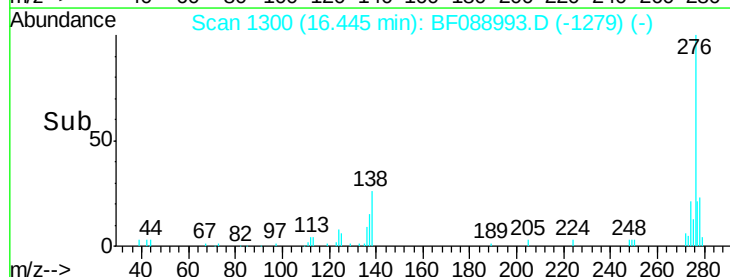
277 31.7 0.0 0.0#

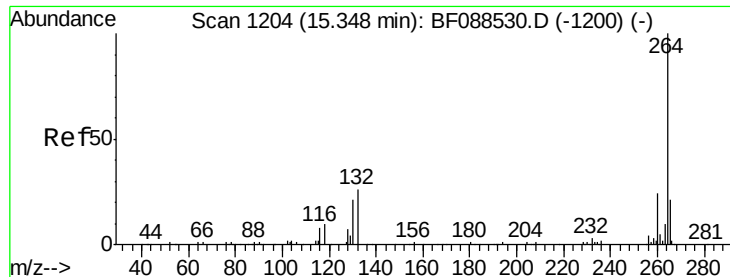


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



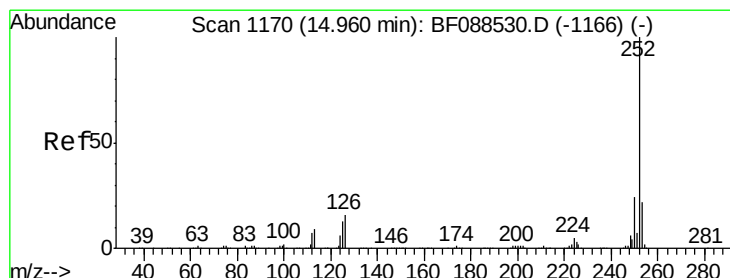
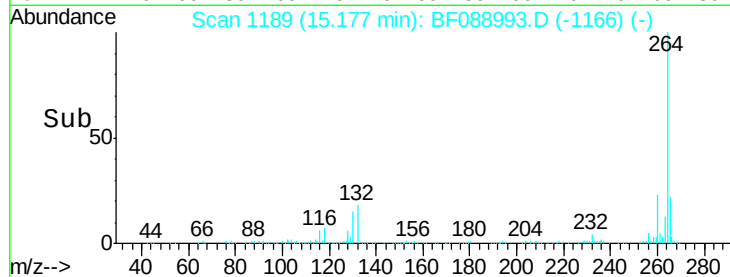
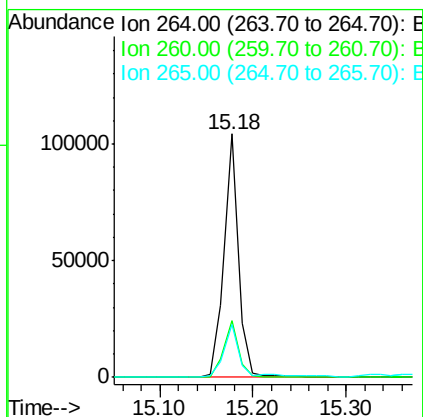
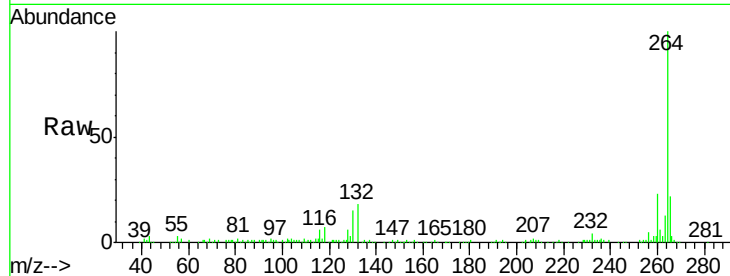


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.18 min Scan# 1189  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

Tot Ion:264 Resp: 113254  

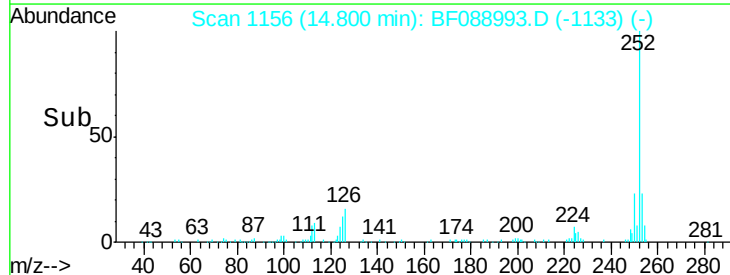
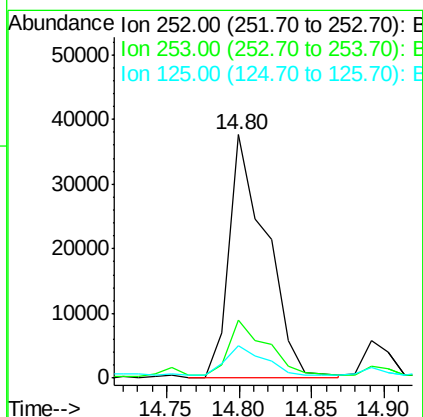
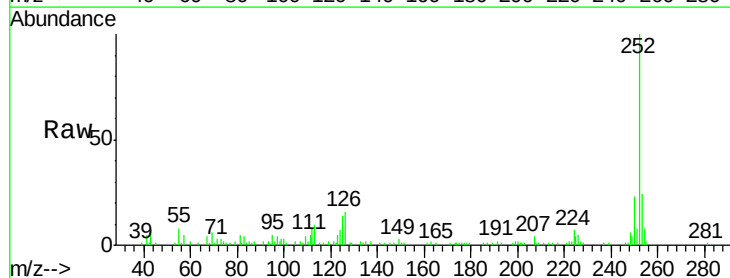
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 19.2  | 28.8  |
| 265 | 21.9  | 16.9  | 25.3  |

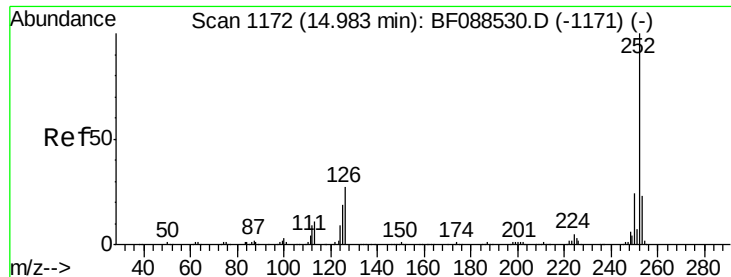


#87  
Benzo(b)fluoranthene  
Concen: 9.52 ng  
RT: 14.80 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:252 Resp: 67653  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 17.4  | 26.2  |
| 125 | 13.5  | 7.1   | 10.7# |





#88

Benzo(k)fluoranthene

Concen: 10.94 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

Instrument :

BNA\_F

ClientSampleId :

Q7-B1(0-5)C

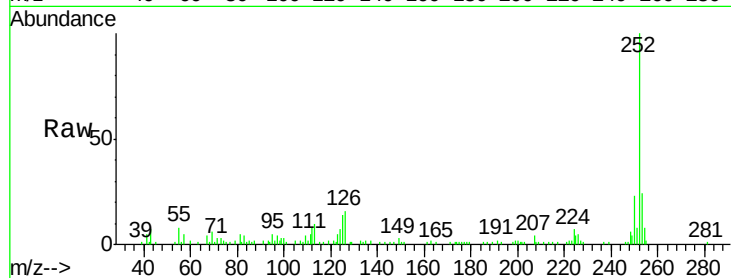
Tot Ion:252 Resp: 67653

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

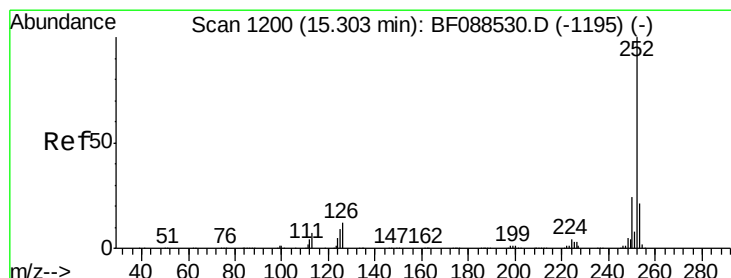
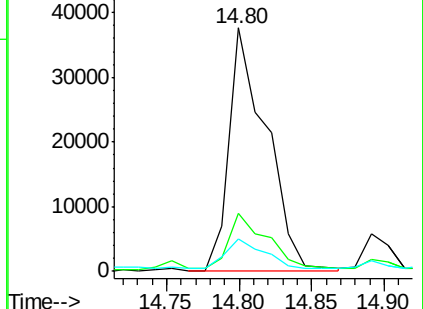
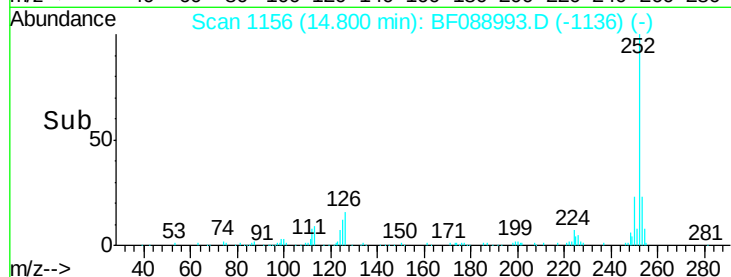
125 13.5 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.18 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF088993.D

Acq: 14 Jul 2016 18:47

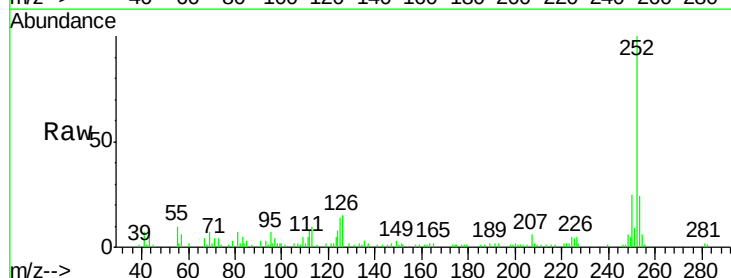
Tgt Ion:252 Resp: 31163

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

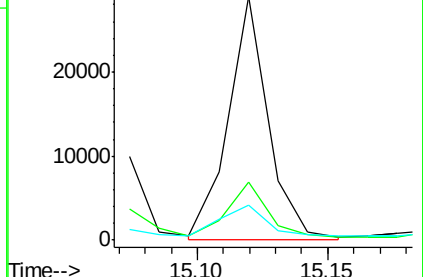
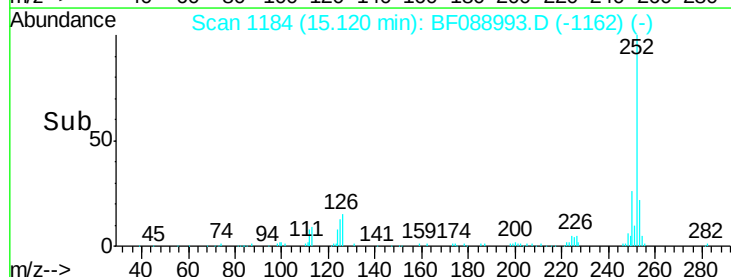
125 14.3 12.5 18.7

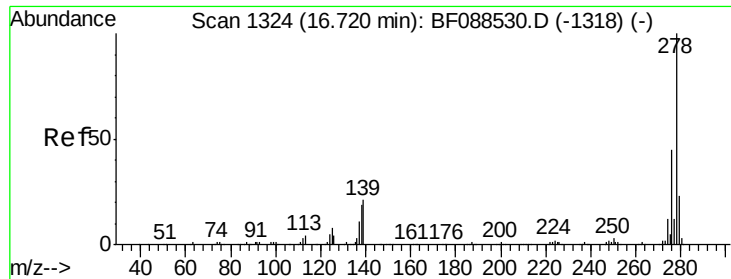


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

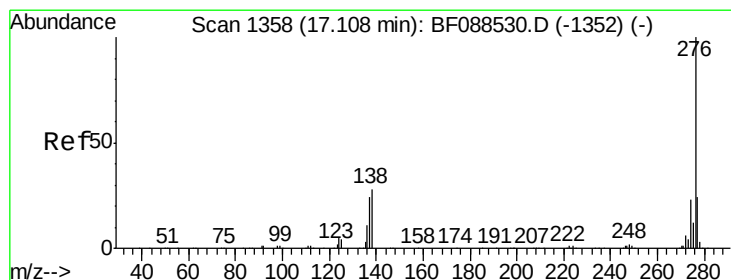
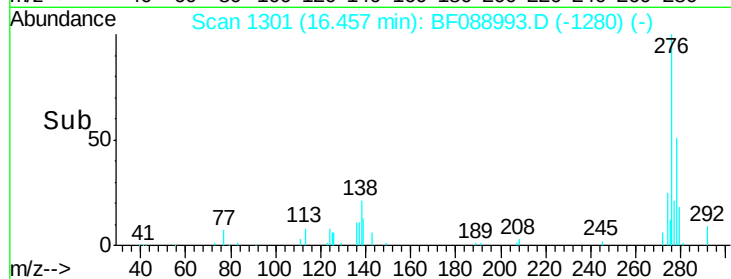
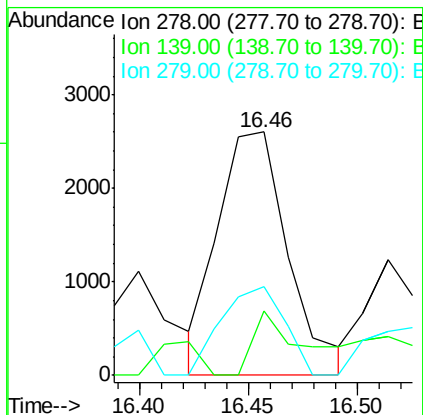
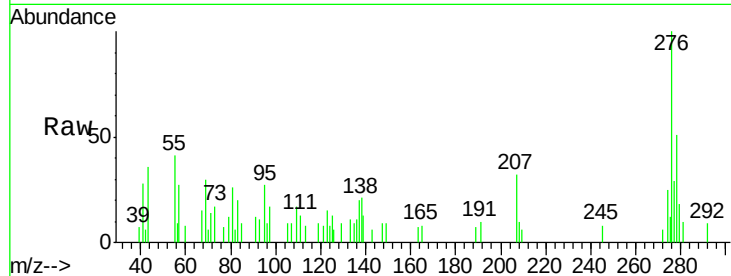




#90  
Dibenzo(a,h)anthracene  
Concen: 1.17 ng  
RT: 16.46 min Scan# 1301  
Delta R.T. -0.06 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Instrument :  
BNA\_F  
ClientSampleId :  
Q7-B1(0-5)C

Tot Ion:278 Resp: 5860  
Ion Ratio Lower Upper  
278 100  
139 26.6 15.7 23.5#  
279 36.5 19.4 29.2#



#91  
Benzo(g,h,i)perylene  
Concen: 3.66 ng  
RT: 16.82 min Scan# 1333  
Delta R.T. -0.07 min  
Lab File: BF088993.D  
Acq: 14 Jul 2016 18:47

Tgt Ion:276 Resp: 19019  
Ion Ratio Lower Upper  
276 100  
277 25.6 18.9 28.3  
138 26.1 21.4 32.2

