

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030315\  
 Data File : BF077578.D  
 Acq On : 4 Mar 2015 7:39  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Mar 04 08:28:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 02 17:05:52 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ng    | -7.30    |
| 21) Naphthalene-d8        | 0.00  | 136  | 0        | 0.00  | ng    | -8.88    |
| 38) Acenaphthene-d10      | 10.99 | 164  | 103554   | 20.00 | ng    | -0.07    |
| 63) Phenanthrene-d10      | 12.83 | 188  | 226972   | 20.00 | ng    | -0.07    |
| 75) Chrysene-d12          | 16.12 | 240  | 367108   | 20.00 | ng    | -0.10    |
| 86) Perylene-d12          | 17.84 | 264  | 353098   | 20.00 | ng    | -0.22    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.53  | 112 | 357012  | 0.00   | ng | -0.06 |
| 7) Phenol-d6             | 6.80  | 99  | 503339  | 0.00   | ng | -0.06 |
| 23) Nitrobenzene-d5      | 7.93  | 82  | 403807  | 0.00   | ng | -0.06 |
| 41) 2,4,6-Tribromophenol | 11.97 | 330 | 92823   | 93.09  | ng | -0.07 |
| 44) 2-Fluorobiphenyl     | 10.16 | 172 | 668462  | 100.65 | ng | -0.06 |
| 78) Terphenyl-d14        | 14.83 | 244 | 1073093 | 68.34  | ng | -0.07 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 39) 1,2,4,5-Tetrachlorobenzene | 9.91  | 216 | 167772 | 56.46 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.89  | 237 | 35713  | 22.42 | ng | 97     |
| 42) 2,4,6-Trichlorophenol      | 10.05 | 196 | 108885 | 55.34 | ng | 99     |
| 43) 2,4,5-Trichlorophenol      | 10.10 | 196 | 116288 | 55.27 | ng | # 92   |
| 45) 1,1'-Biphenyl              | 10.28 | 154 | 345085 | 43.99 | ng | 97     |
| 46) 2-Chloronaphthalene        | 10.30 | 162 | 284735 | 46.28 | ng | 98     |
| 47) 2-Nitroaniline             | 10.44 | 65  | 81584  | 53.87 | ng | 97     |
| 48) Acenaphthylene             | 10.82 | 152 | 463631 | 47.60 | ng | 99     |
| 49) Dimethylphthalate          | 10.67 | 163 | 324325 | 44.56 | ng | 99     |
| 50) 2,6-Dinitrotoluene         | 10.75 | 165 | 70360  | 48.20 | ng | 95     |
| 51) Acenaphthene               | 11.03 | 154 | 269933 | 46.44 | ng | 99     |
| 52) 3-Nitroaniline             | 10.95 | 138 | 86133  | 51.18 | ng | 96     |
| 53) 2,4-Dinitrophenol          | 11.08 | 184 | 4695   | 10.57 | ng | # 82   |
| 54) Dibenzofuran               | 11.25 | 168 | 399474 | 44.51 | ng | 95     |
| 55) 4-Nitrophenol              | 11.16 | 139 | 63226  | 46.71 | ng | # 67   |
| 56) 2,4-Dinitrotoluene         | 11.24 | 165 | 92783  | 47.04 | ng | # 79   |
| 57) Fluorene                   | 11.67 | 166 | 329270 | 45.89 | ng | 97     |
| 58) 2,3,4,6-Tetrachlorophenol  | 11.40 | 232 | 83016  | 49.08 | ng | 96     |
| 59) Diethylphthalate           | 11.55 | 149 | 316479 | 44.10 | ng | 99     |
| 60) 4-Chlorophenyl-phenylether | 11.68 | 204 | 146472 | 42.37 | ng | # 83   |
| 61) 4-Nitroaniline             | 11.70 | 138 | 86451  | 53.59 | ng | 96     |
| 62) Azobenzene                 | 11.87 | 77  | 303566 | 44.59 | ng | 92     |
| 64) 4,6-Dinitro-2-methylphenol | 11.74 | 198 | 8137   | 12.00 | ng | 86     |
| 65) n-Nitrosodiphenylamine     | 11.83 | 169 | 285943 | 37.97 | ng | 99     |
| 66) 4-Bromophenyl-phenylether  | 12.29 | 248 | 94763  | 35.65 | ng | # 86   |
| 67) Hexachlorobenzene          | 12.35 | 284 | 102568 | 35.95 | ng | # 81   |
| 68) Atrazine                   | 12.50 | 200 | 73872  | 30.17 | ng | 100    |
| 69) Pentachlorophenol          | 12.60 | 266 | 54893  | 36.61 | ng | 96     |
| 70) Phenanthrene               | 12.86 | 178 | 515972 | 39.22 | ng | 100    |
| 71) Anthracene                 | 12.93 | 178 | 495669 | 37.97 | ng | 98     |
| 72) Carbazole                  | 13.13 | 167 | 606754 | 48.88 | ng | 98     |
| 73) Di-n-butylphthalate        | 13.58 | 149 | 683904 | 46.92 | ng | 99     |
| 74) Fluoranthene               | 14.34 | 202 | 723485 | 50.35 | ng | 99     |
| 76) Benzidine                  | 14.52 | 184 | 601327 | 48.48 | ng | 98     |

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Instrument :  
 BNA\_F  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 02 17:05:52 2015  
 Response via : Initial Calibration

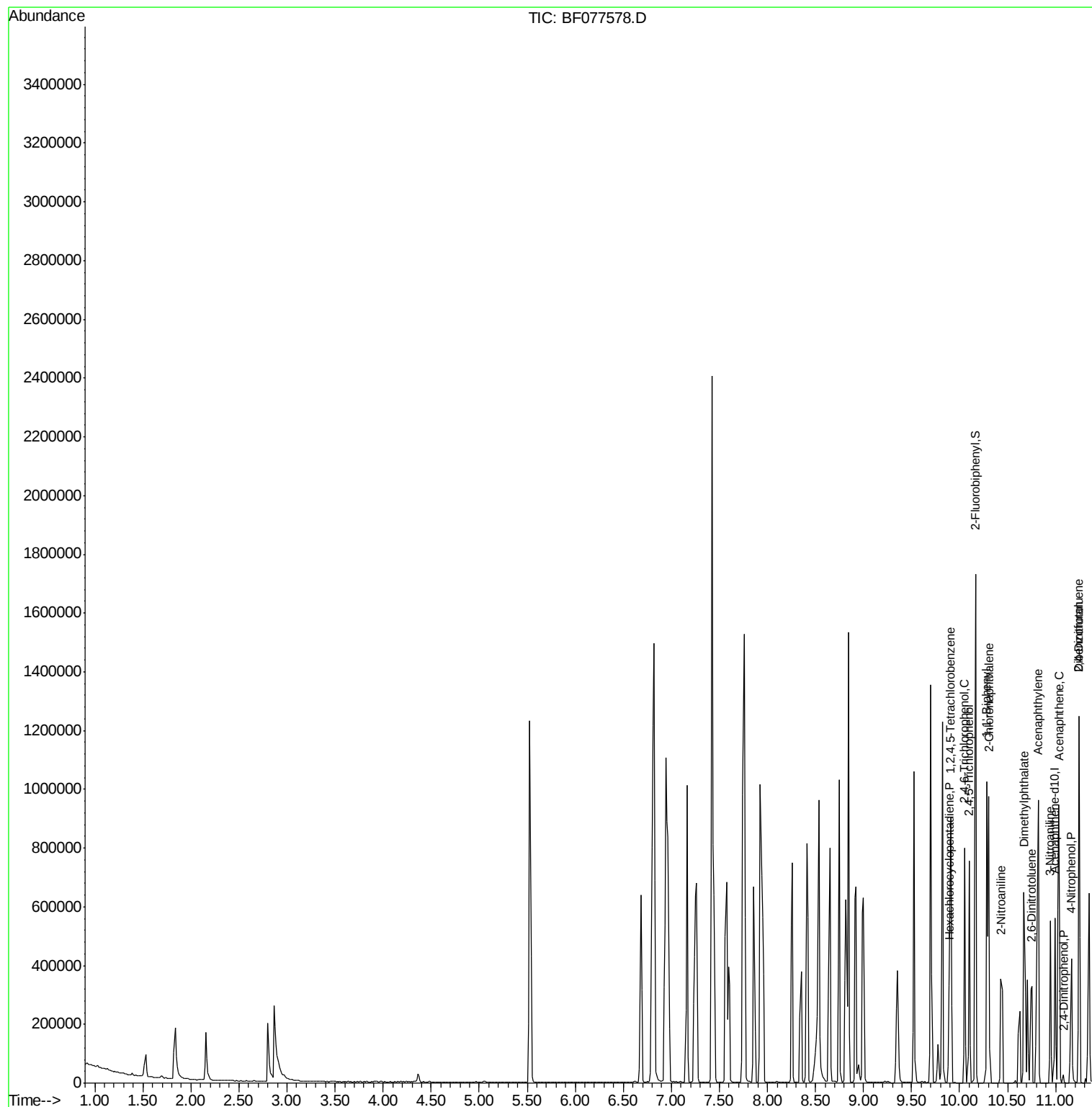
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 77) Pyrene                     | 14.62 | 202  | 854944   | 38.07 | ng    | 99       |
| 79) Butylbenzylphthalate       | 15.45 | 149  | 346460   | 37.50 | ng    | 93       |
| 80) Benzo(a)anthracene         | 16.11 | 228  | 801878   | 37.27 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 16.09 | 252  | 322347   | 40.89 | ng    | 98       |
| 82) Chrysene                   | 16.15 | 228  | 733969   | 36.33 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 16.17 | 149  | 450636   | 30.42 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 16.95 | 149  | 772117   | 31.22 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 17.40 | 252  | 785687   | 38.26 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 17.40 | 252  | 785687   | 39.05 | ng    | # 97     |
| 89) Benzo(a)pyrene             | 17.78 | 252  | 742042   | 37.95 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 19.31 | 278  | 392619   | 21.05 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 19.71 | 276  | 387716   | 20.60 | ng    | 97       |

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

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
Client Sample Id :  
SSTDCCC040EC

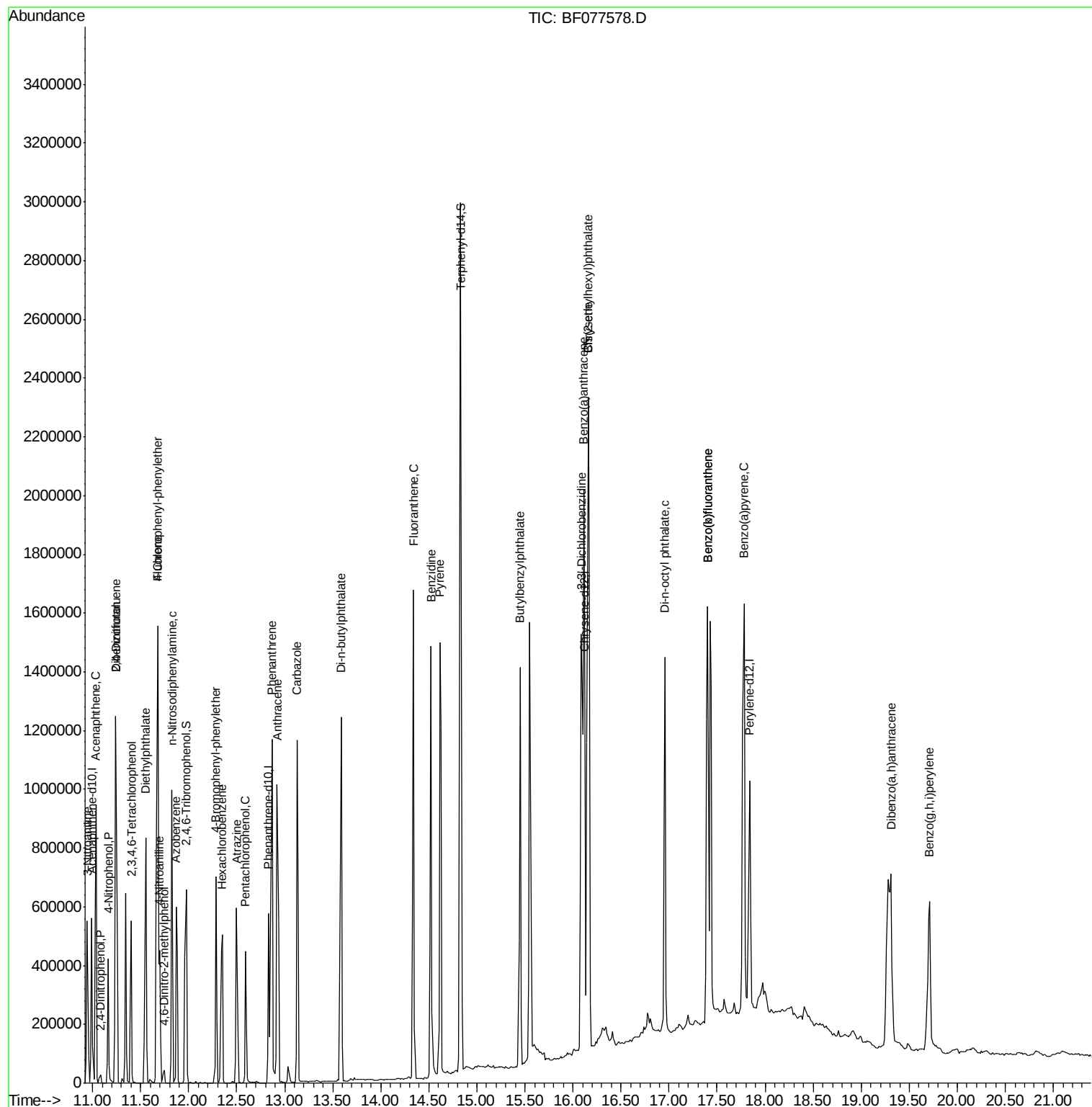
Quant Time: Mar 04 08:28:02 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF021915.M  
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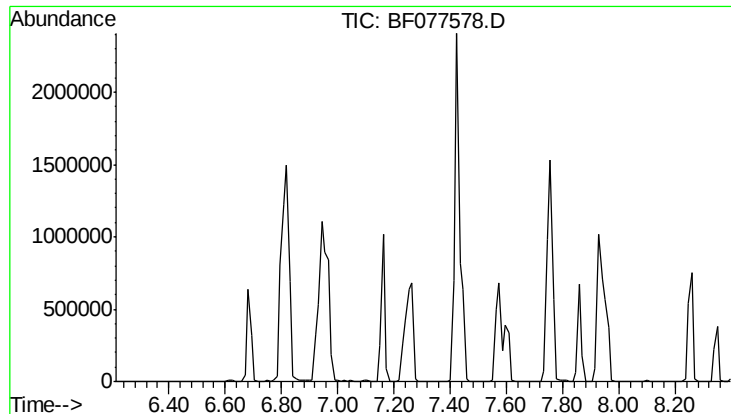


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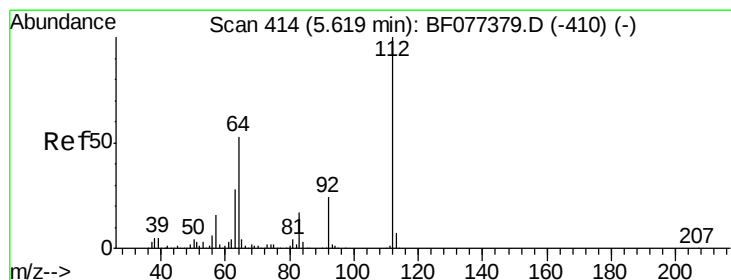
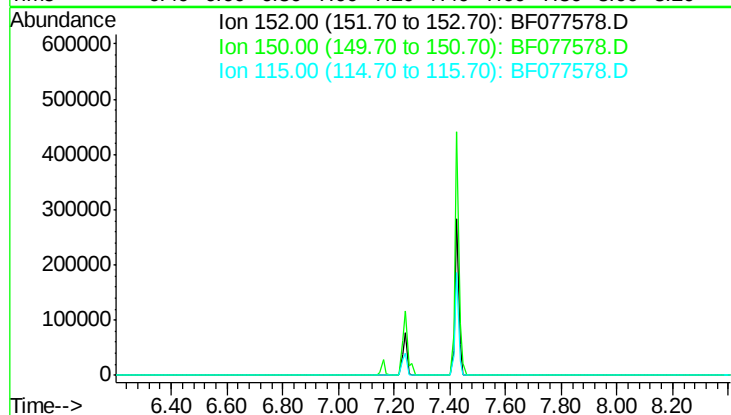




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ng  
 Expected RT: 7.30 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

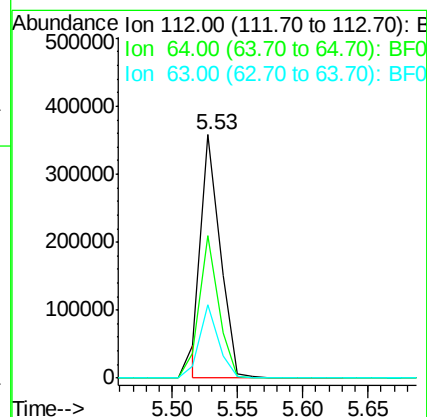
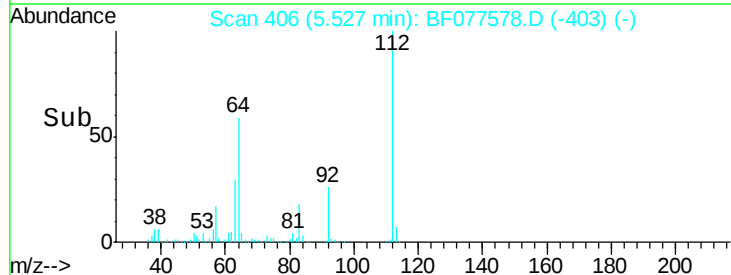
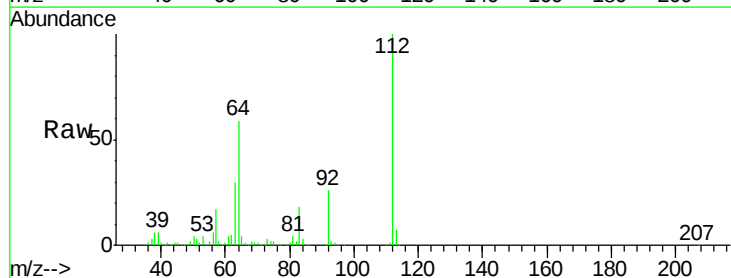
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

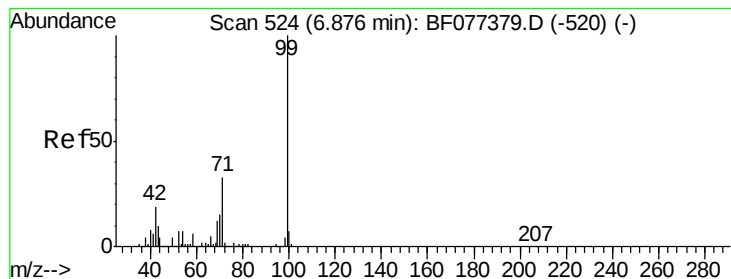
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 155.0  
 115 61.8



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 RT: 5.53 min Scan# 406  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion: 112 Resp: 357012  
 Ion Ratio Lower Upper  
 112 100  
 64 58.6 48.5 72.7  
 63 30.1 25.0 37.4





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.80 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

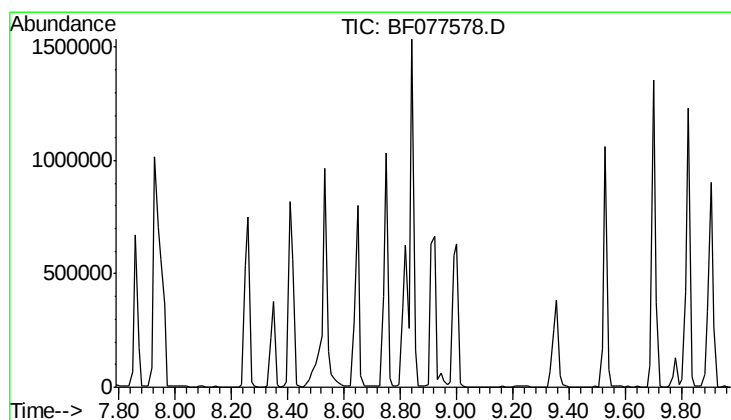
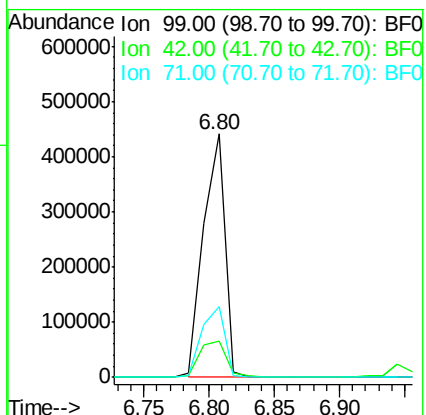
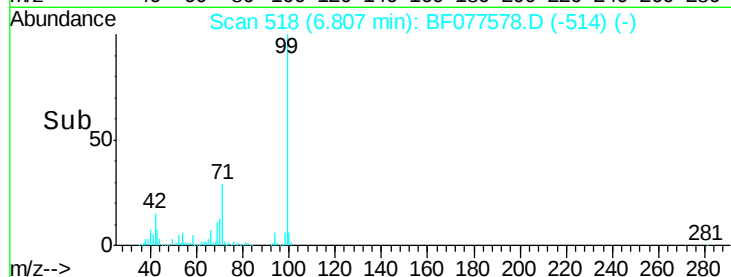
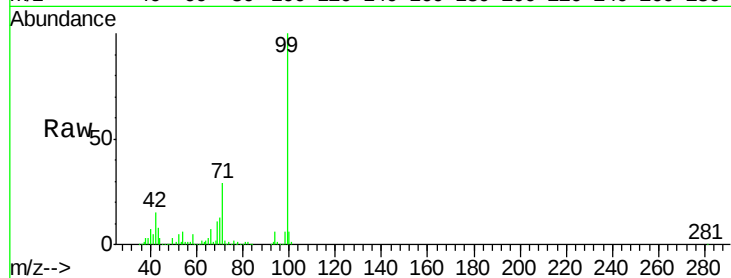
Tgt Ion: 99 Resp: 503339

Ion Ratio Lower Upper

99 100

42 14.9 16.2 24.4#

71 28.9 26.7 40.1



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 8.88 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Tgt Ion: 136

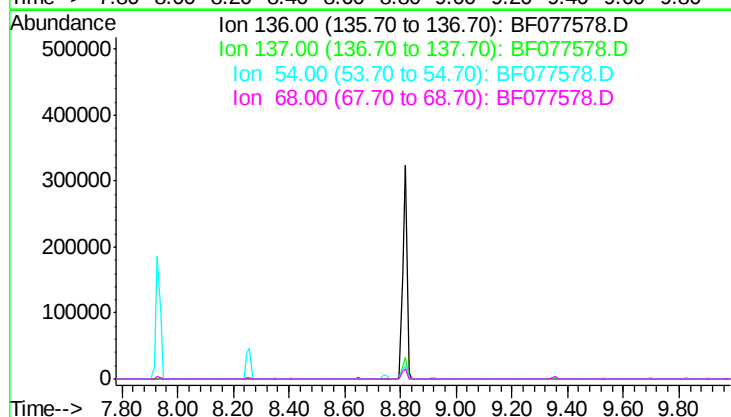
Sig Exp Ratio

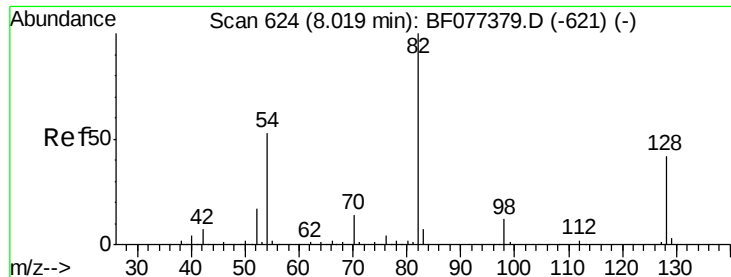
136 100

137 10.8

54 7.8

68 6.3

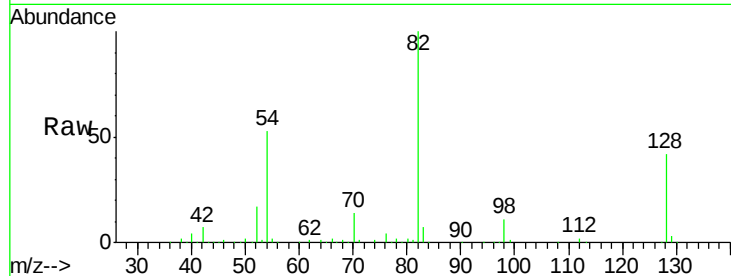




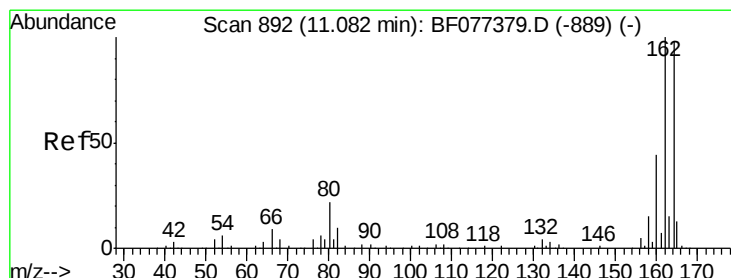
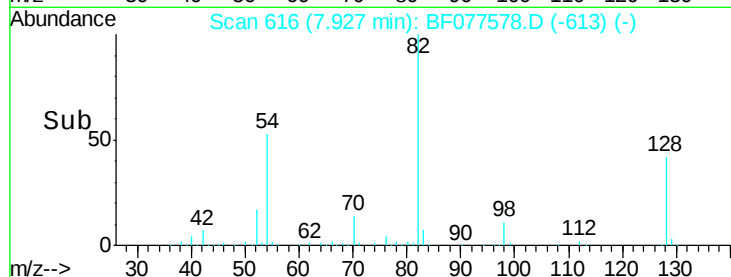
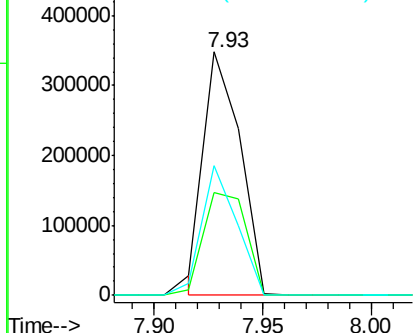
#23  
 Nitrobenzene-d5  
 Concen: 0.00 ng  
 RT: 7.93 min Scan# 616  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tgt Ion: 82 Resp: 403807  
 Ion Ratio Lower Upper  
 82 100  
 128 42.0 43.8 65.8#  
 54 53.4 36.7 55.1

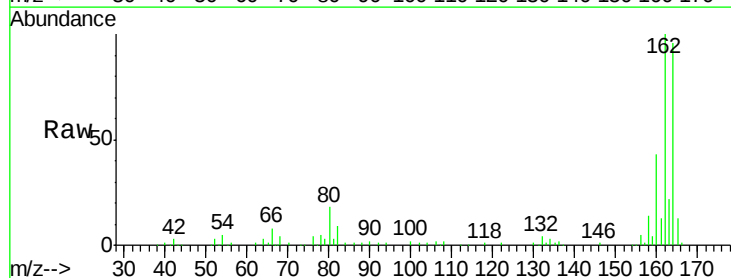


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

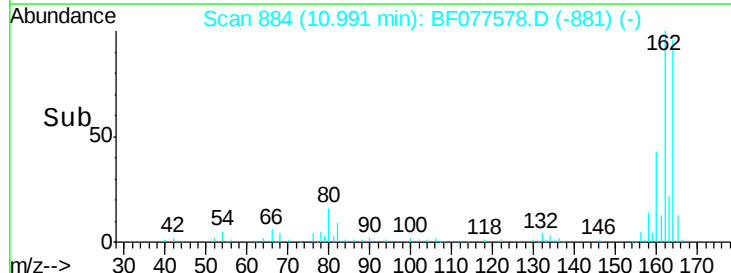
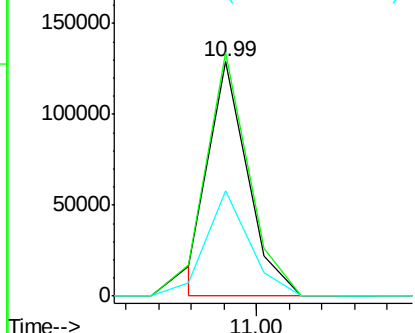


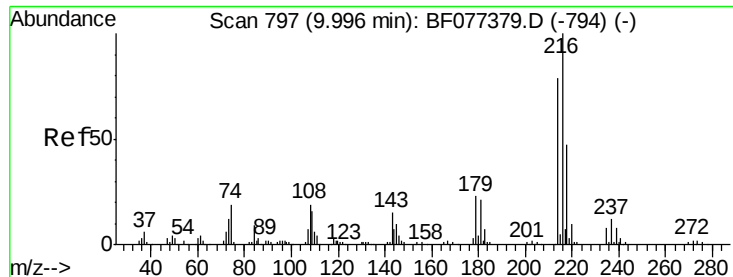
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.99 min Scan# 884  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion: 164 Resp: 103554  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 83.2 124.8  
 160 44.9 34.6 52.0



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

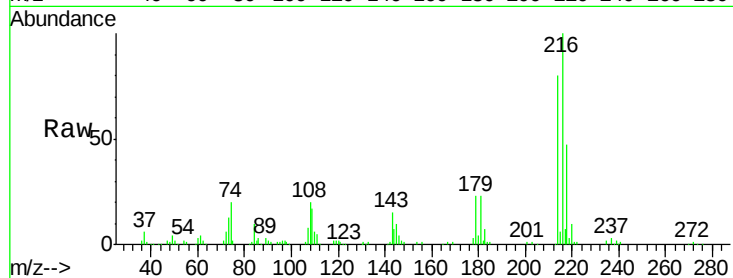




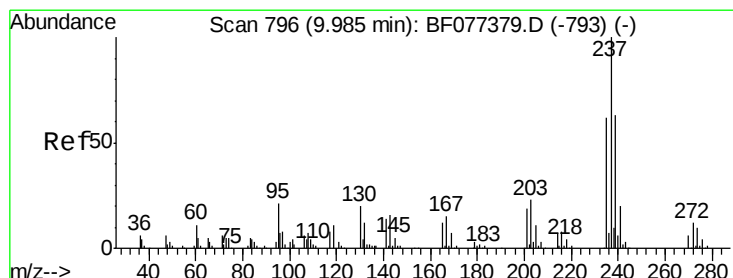
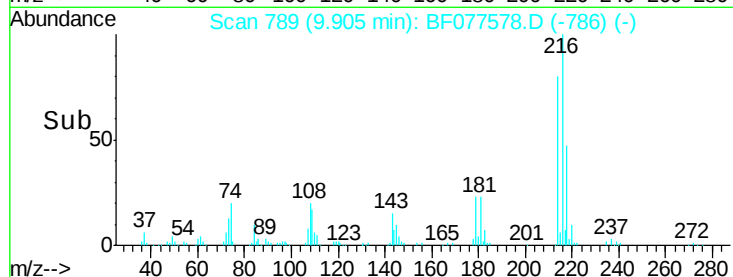
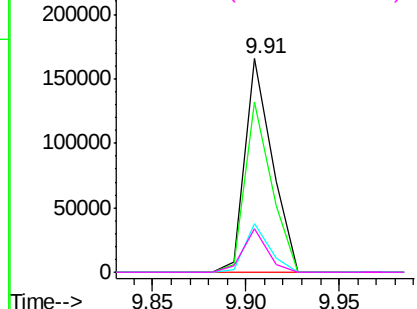
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 56.46 ng  
 RT: 9.91 min Scan# 789  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 167772 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 77.8  | 63.4  | 95.0   |
| 179      | 21.2  | 16.6  | 25.0   |
| 108      | 18.2  | 14.2  | 21.4   |

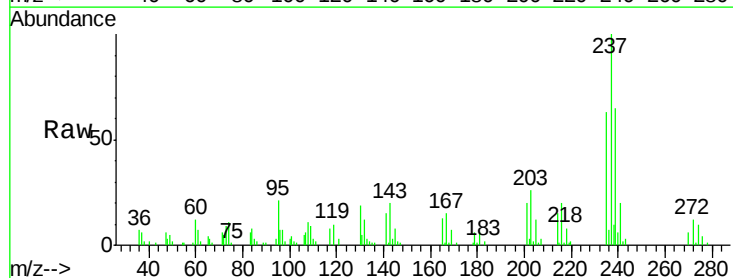


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

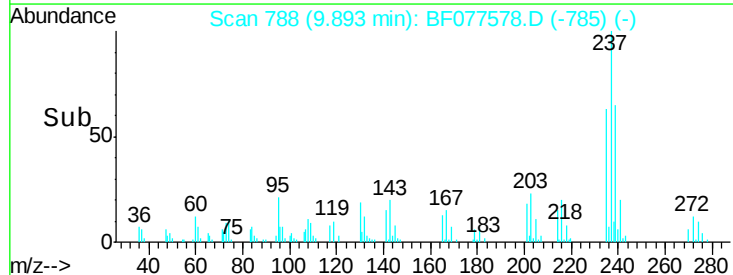
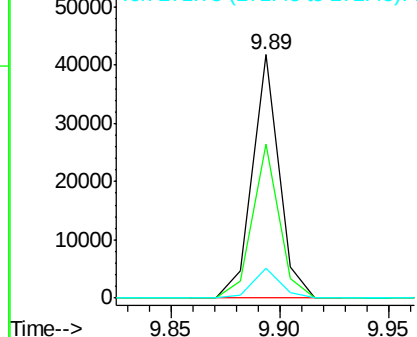


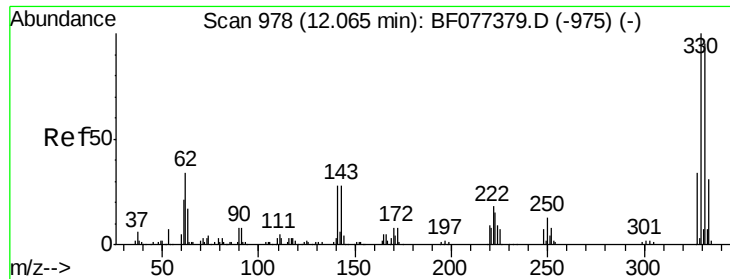
#40  
 Hexachlorocyclopentadiene  
 Concen: 22.42 ng  
 RT: 9.89 min Scan# 788  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 35713 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 63.2  | 41.0  | 81.0  |
| 272      | 12.3  | 0.0   | 34.3  |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

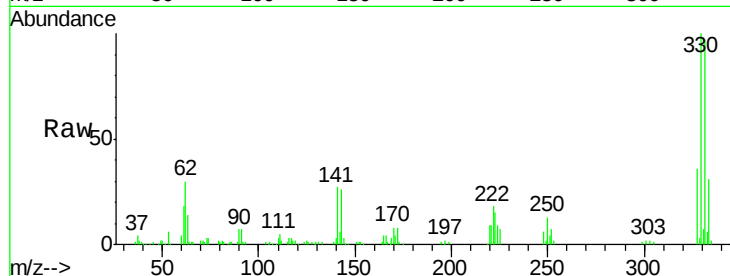




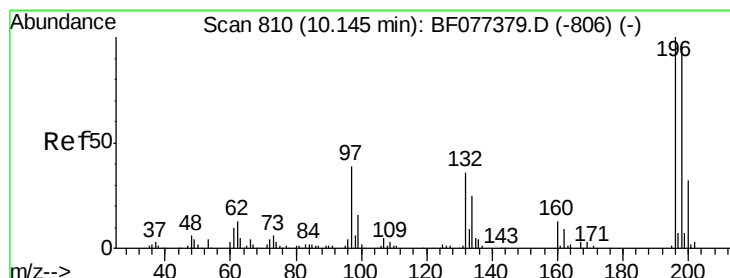
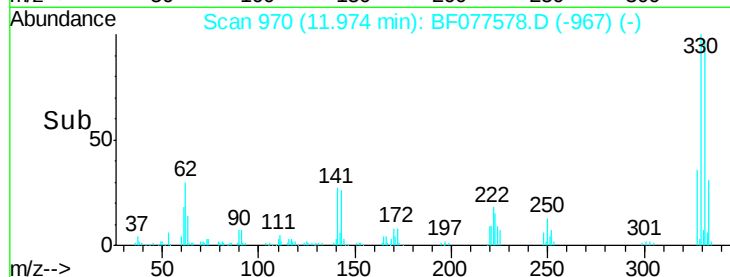
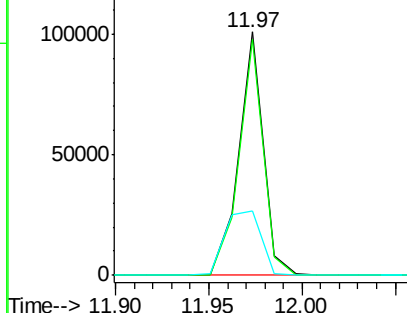
#41  
 2,4,6-Tribromophenol  
 Concen: 93.09 ng  
 RT: 11.97 min Scan# 970  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
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 SSTDCCC040EC

Tgt Ion:330 Resp: 92823  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.4 116.2  
 141 39.4 28.8 43.2

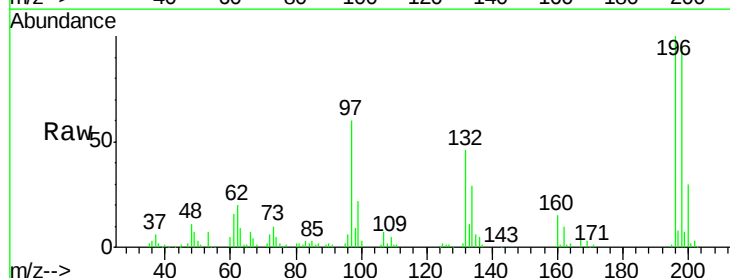


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

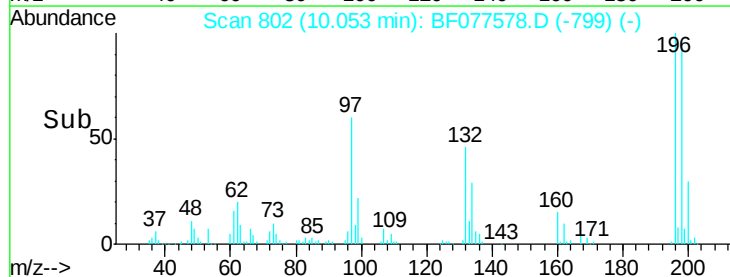
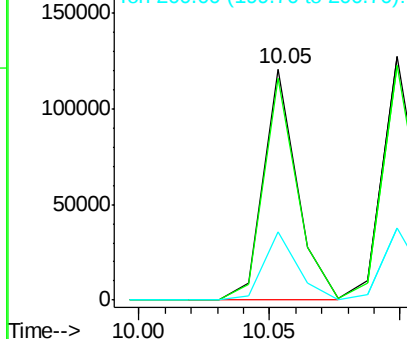


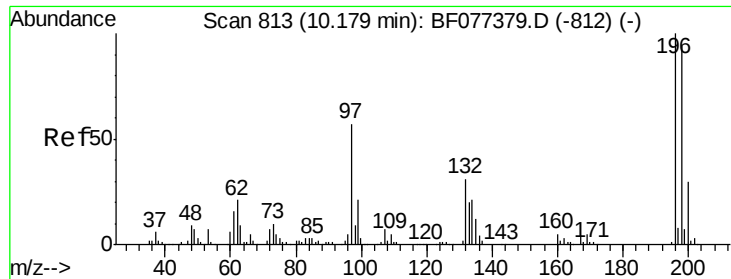
#42  
 2,4,6-Trichlorophenol  
 Concen: 55.34 ng  
 RT: 10.05 min Scan# 802  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion:196 Resp: 108885  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 75.8 113.8  
 200 29.8 24.2 36.4



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

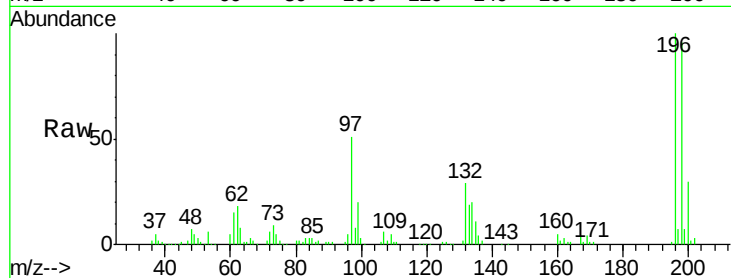




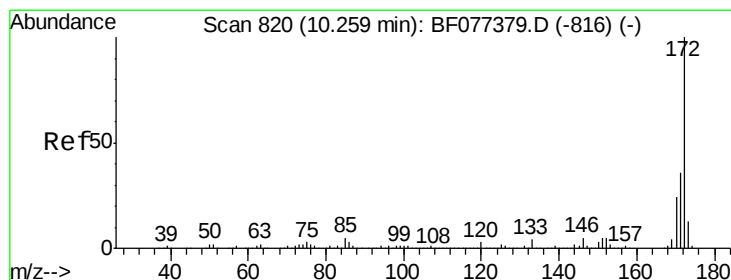
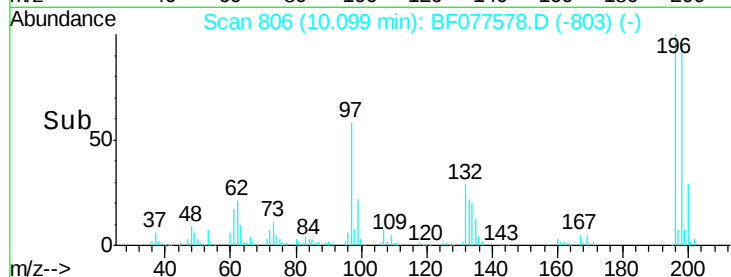
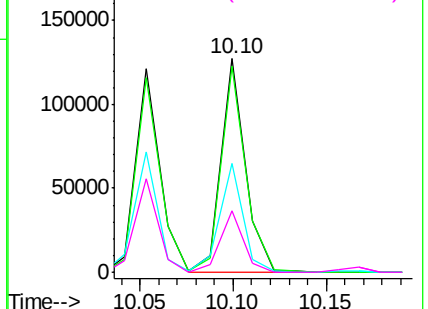
#43  
 2,4,5-Trichlorophenol  
 Concen: 55.27 ng  
 RT: 10.10 min Scan# 806  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tgt Ion:196 Resp: 116288  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 77.2 115.8  
 97 50.9 27.7 41.5#  
 132 28.8 18.0 27.0#



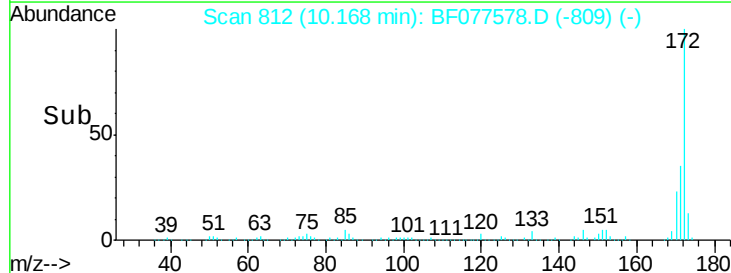
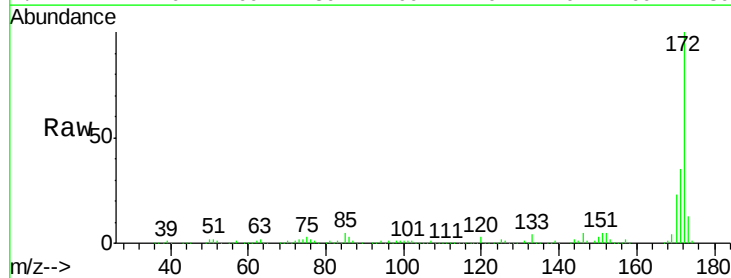
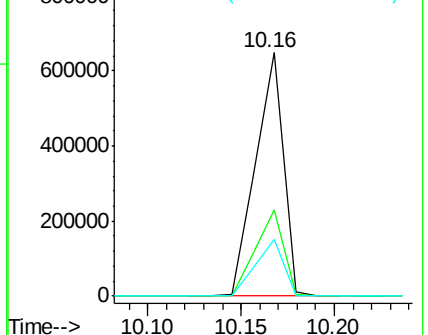
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

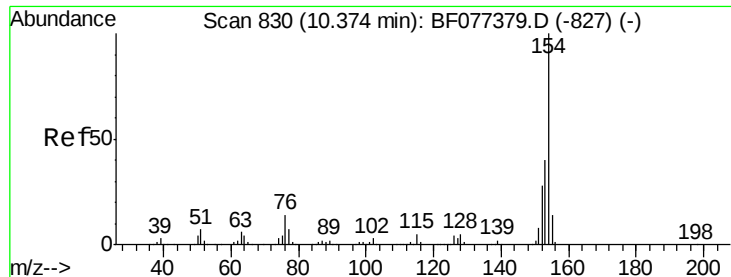


#44  
 2-Fluorobiphenyl  
 Concen: 100.65 ng  
 RT: 10.16 min Scan# 812  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion:172 Resp: 668462  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.9 43.3  
 170 23.5 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

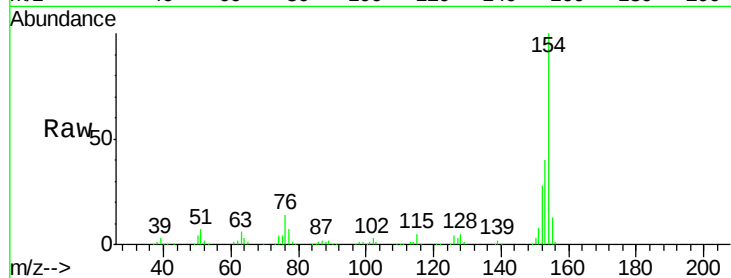




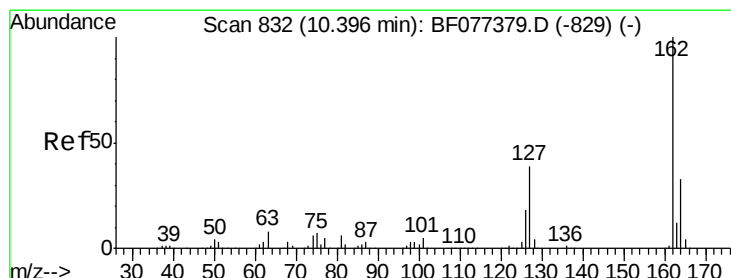
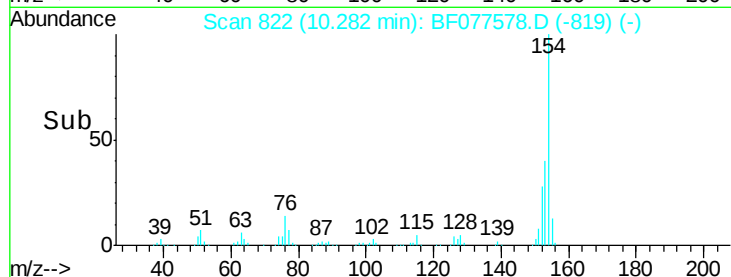
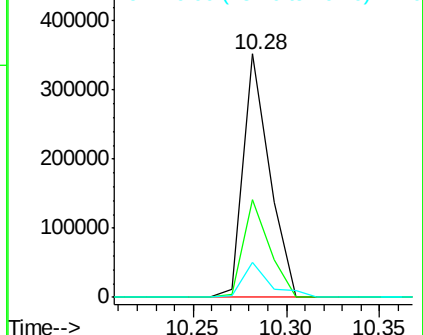
#45  
1,1'-Biphenyl  
Concen: 43.99 ng  
RT: 10.28 min Scan# 822  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:154 Resp: 345085  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.2 60.2  
76 14.2 0.0 29.4

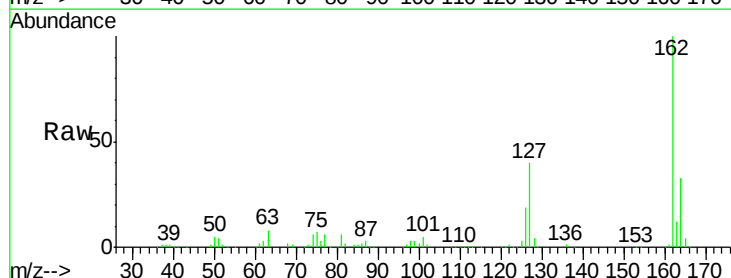


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

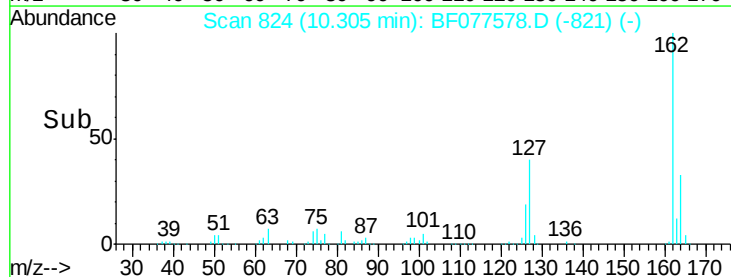
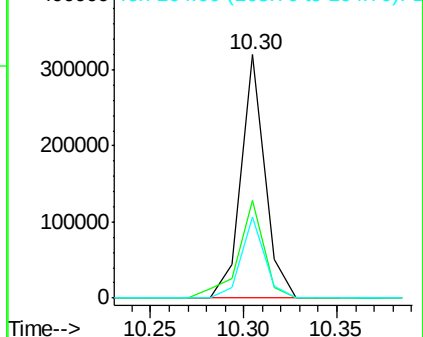


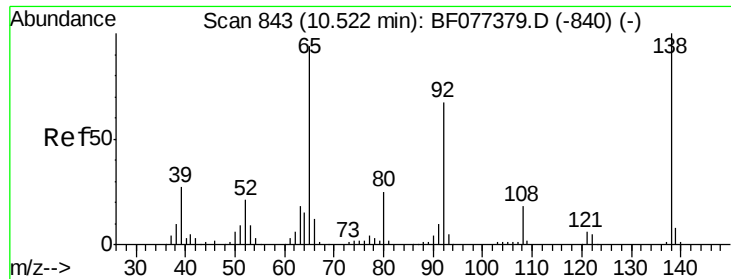
#46  
2-Chloronaphthalene  
Concen: 46.28 ng  
RT: 10.30 min Scan# 824  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:162 Resp: 284735  
Ion Ratio Lower Upper  
162 100  
127 39.9 33.3 49.9  
164 33.4 26.2 39.4



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

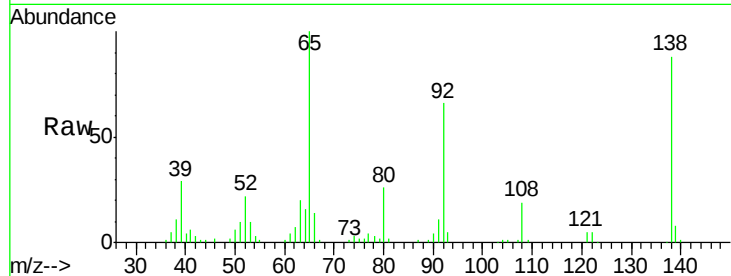




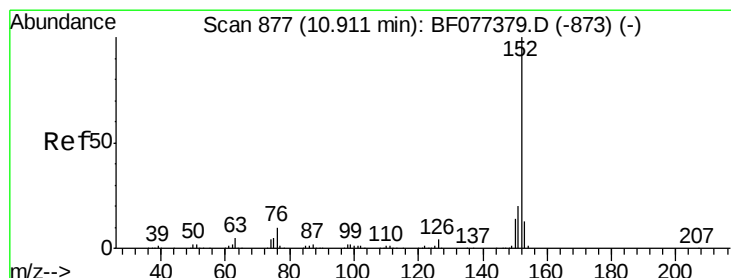
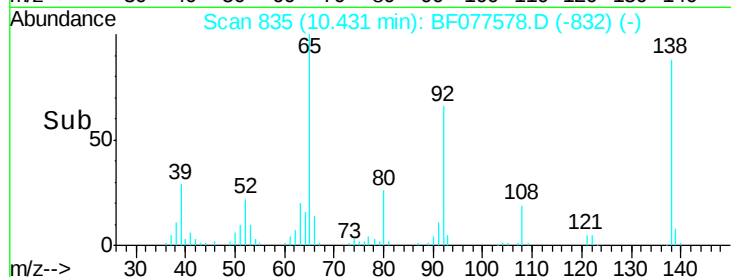
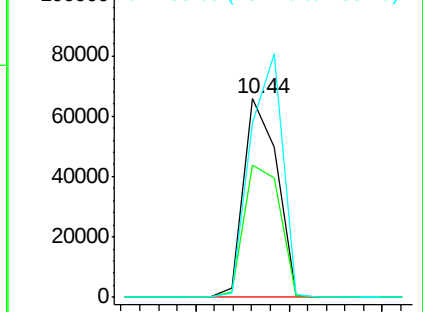
#47  
2-Nitroaniline  
Concen: 53.87 ng  
RT: 10.44 min Scan# 835  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion: 65 Resp: 81584  
Ion Ratio Lower Upper  
65 100  
92 66.5 52.4 78.6  
138 88.1 73.4 110.0

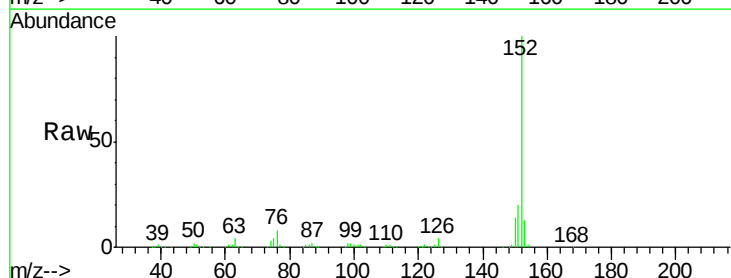


Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0

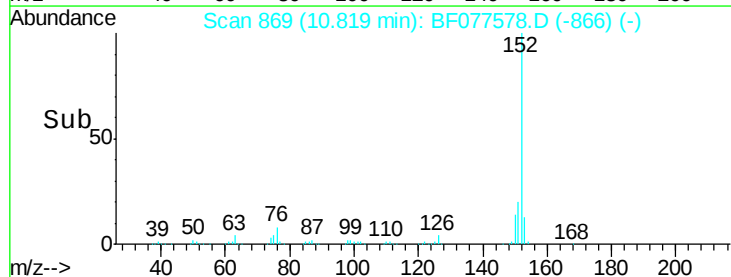
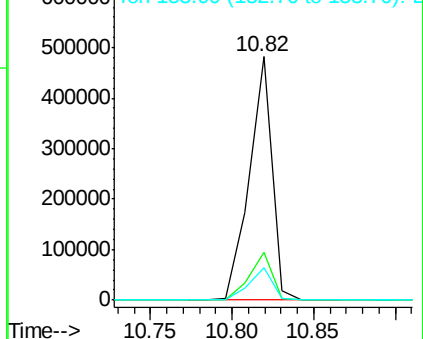


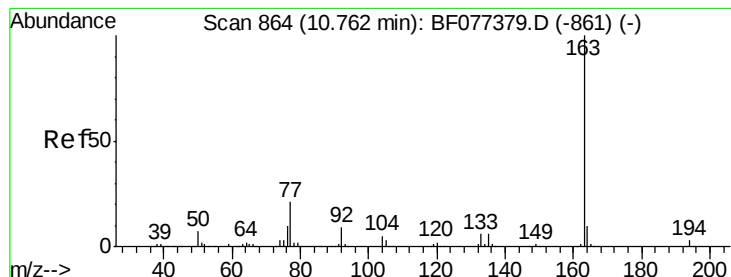
#48  
Acenaphthylene  
Concen: 47.60 ng  
RT: 10.82 min Scan# 869  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion: 152 Resp: 463631  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 13.3 10.9 16.3



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: 44.56 ng

RT: 10.67 min Scan# 856

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

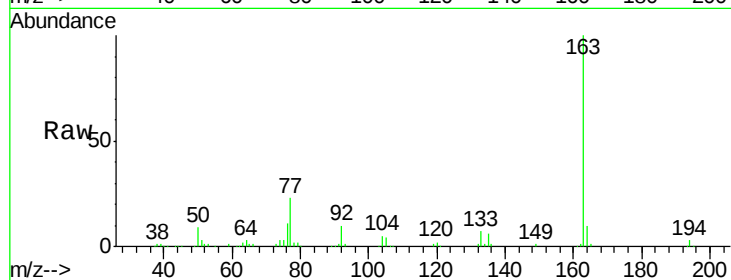
Tgt Ion:163 Resp: 324325

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

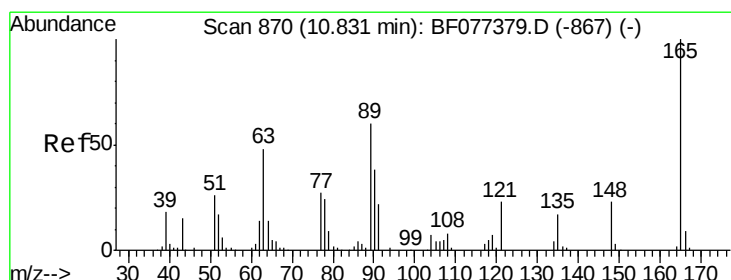
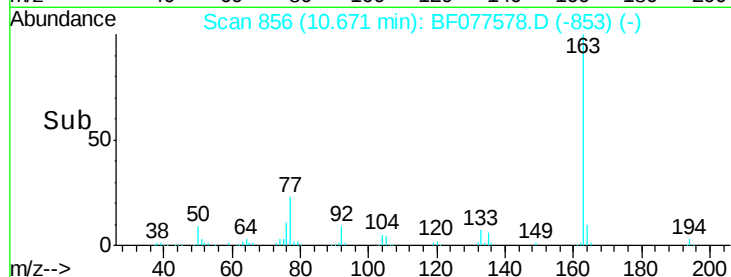
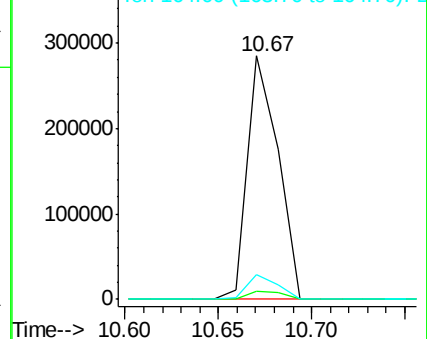
164 10.4 8.6 13.0



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: 48.20 ng

RT: 10.75 min Scan# 863

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

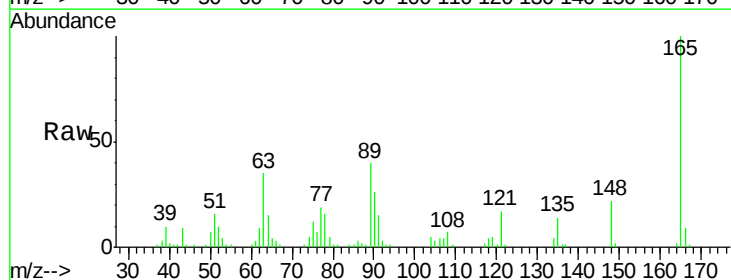
Tgt Ion:165 Resp: 70360

Ion Ratio Lower Upper

165 100

63 34.7 25.2 37.8

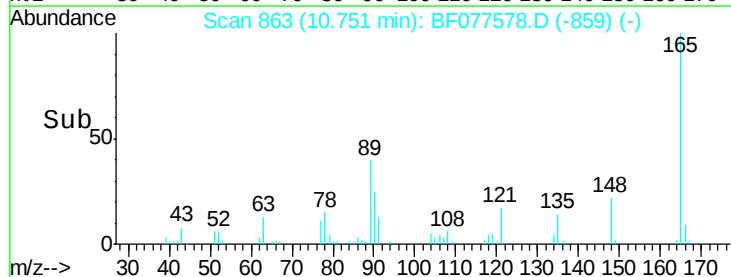
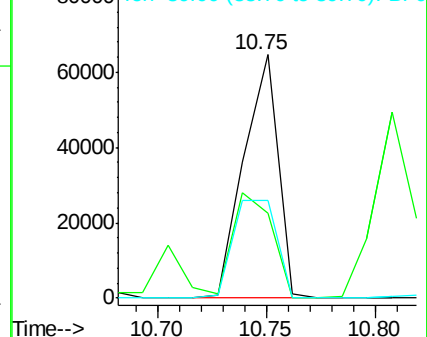
89 40.3 30.5 45.7

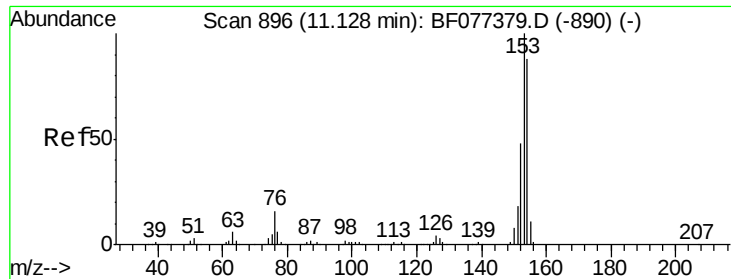


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.44 ng

RT: 11.03 min Scan# 888

Delta R.T. -0.07 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

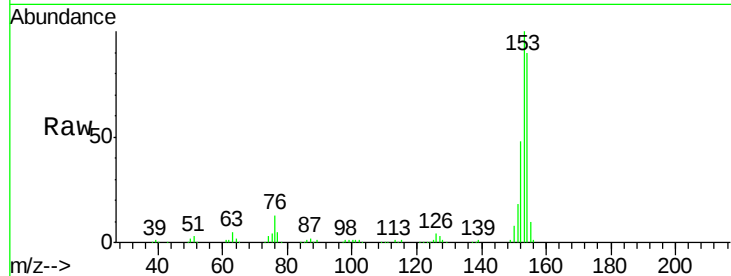
Tgt Ion:154 Resp: 269933

Ion Ratio Lower Upper

154 100

153 111.6 90.5 135.7

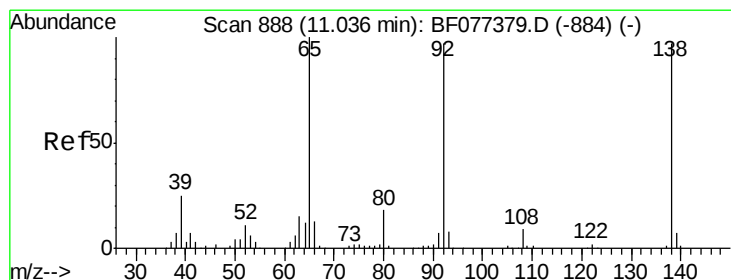
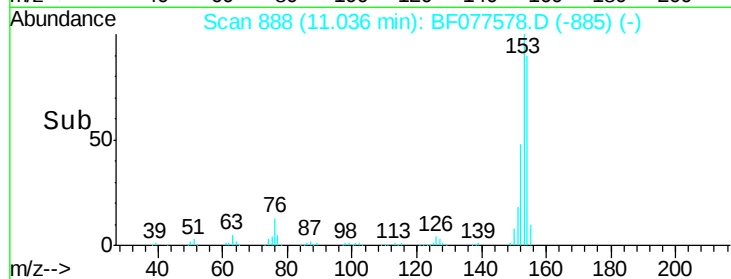
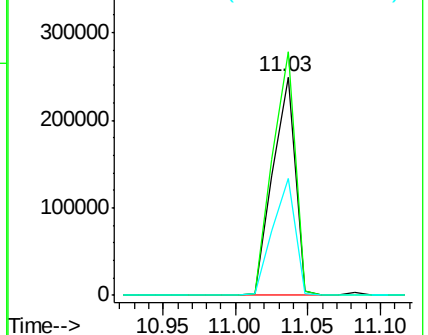
152 53.7 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 51.18 ng

RT: 10.95 min Scan# 880

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

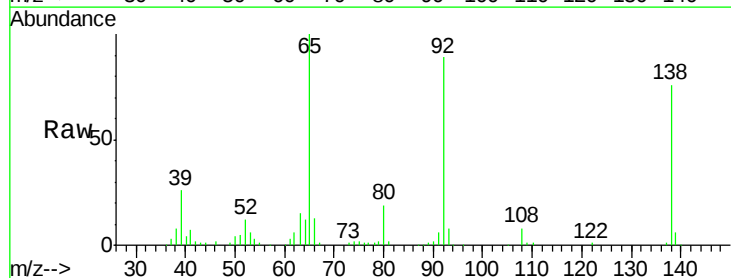
Tgt Ion:138 Resp: 86133

Ion Ratio Lower Upper

138 100

108 10.3 7.8 11.8

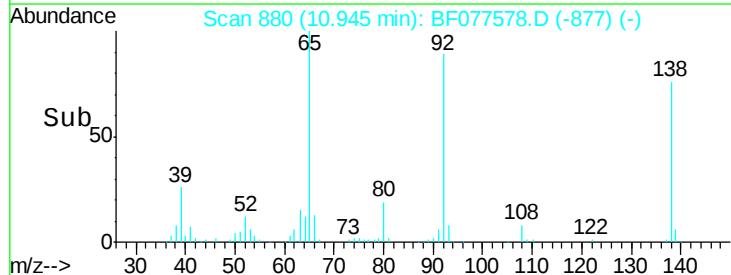
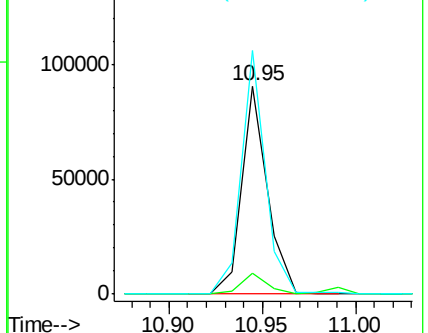
92 117.2 90.6 135.8

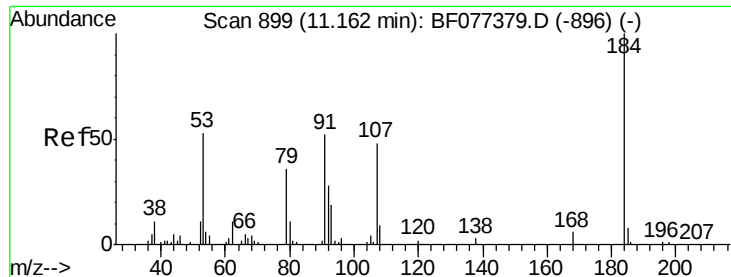


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

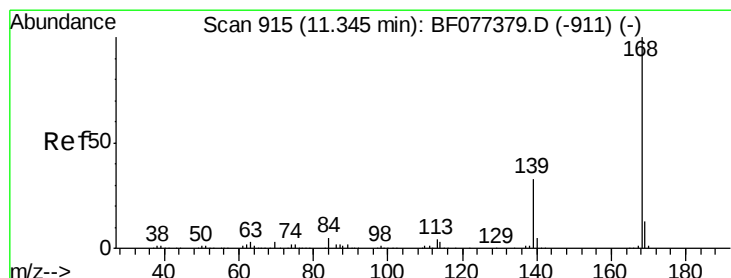
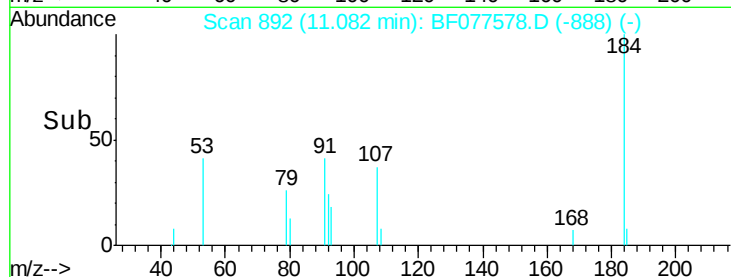
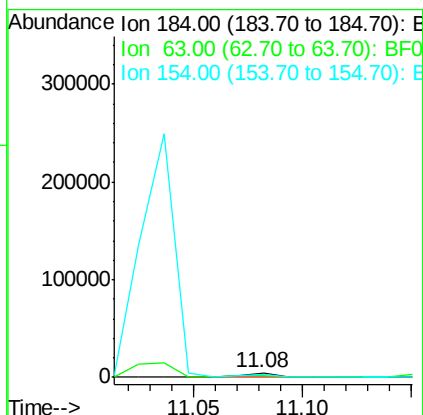
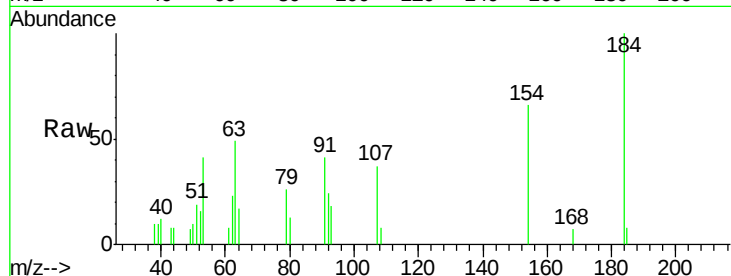




#53  
2,4-Dinitrophenol  
Concen: 10.57 ng  
RT: 11.08 min Scan# 892  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

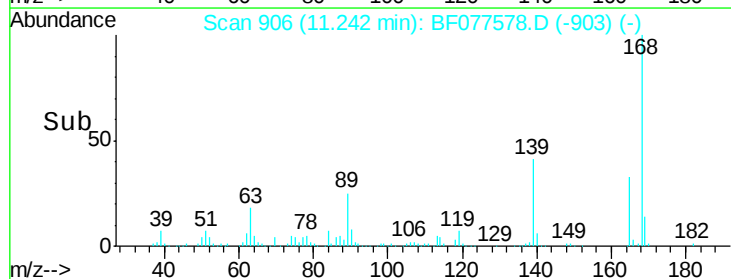
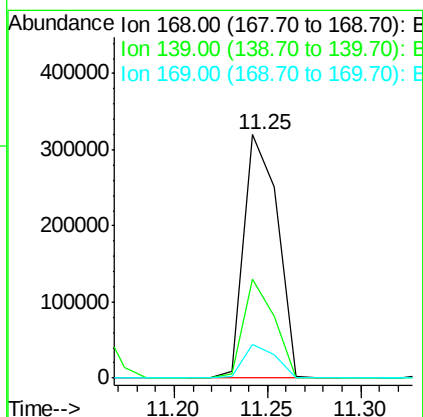
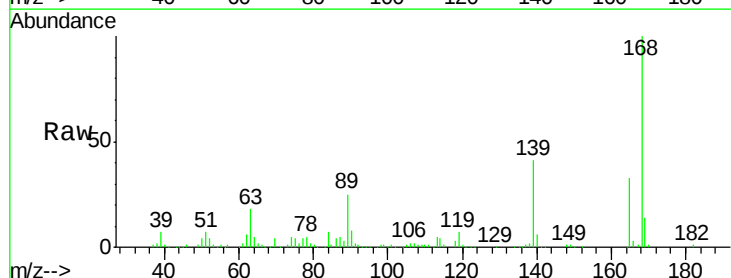
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

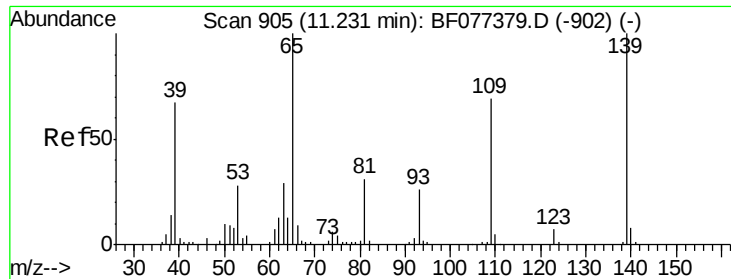
Tgt Ion:184 Resp: 4695  
Ion Ratio Lower Upper  
184 100  
63 48.7 29.5 44.3#  
154 66.3 43.2 64.8#



#54  
Dibenzofuran  
Concen: 44.51 ng  
RT: 11.25 min Scan# 906  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:168 Resp: 399474  
Ion Ratio Lower Upper  
168 100  
139 40.7 29.3 43.9  
169 13.7 10.9 16.3

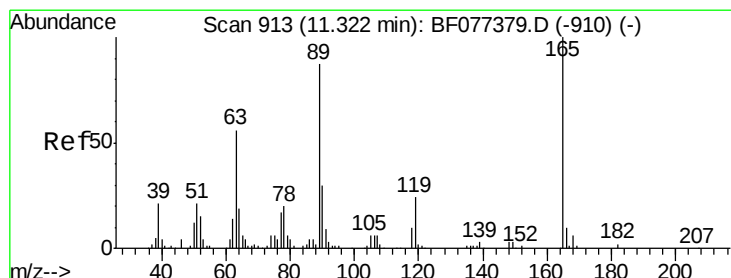
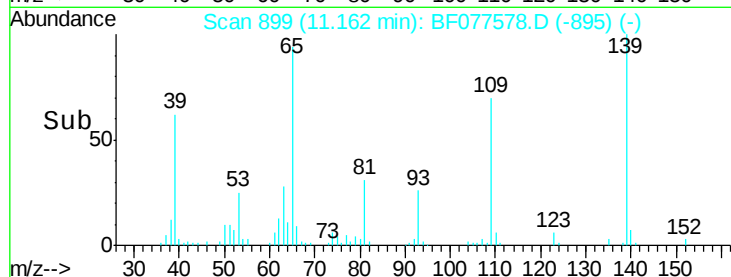
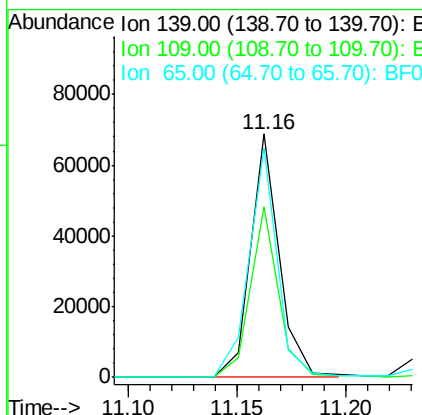
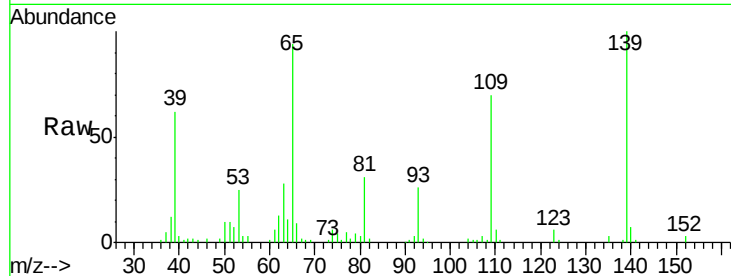




#55  
4-Nitrophenol  
Concen: 46.71 ng  
RT: 11.16 min Scan# 899  
Delta R.T. -0.05 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

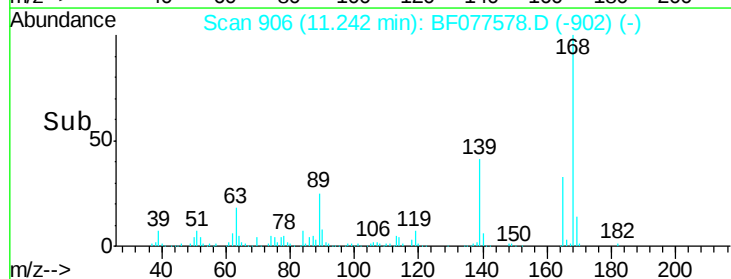
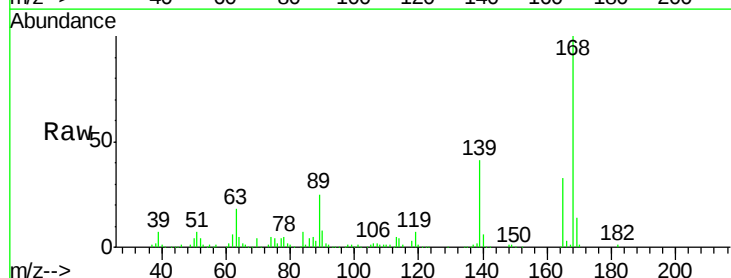
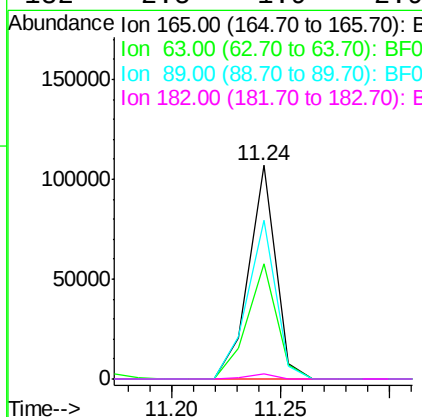
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

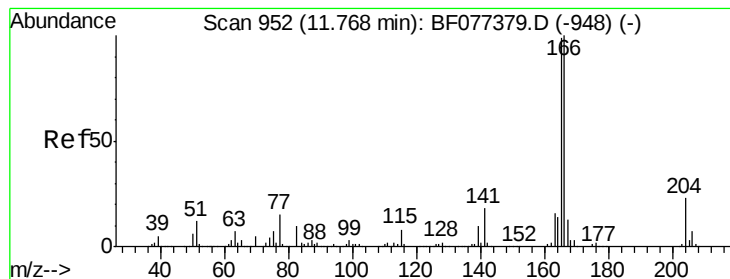
Tgt Ion:139 Resp: 63226  
Ion Ratio Lower Upper  
139 100  
109 70.2 36.2 76.2  
65 94.4 40.3 80.3#



#56  
2,4-Dinitrotoluene  
Concen: 47.04 ng  
RT: 11.24 min Scan# 906  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:165 Resp: 92783  
Ion Ratio Lower Upper  
165 100  
63 53.9 29.8 44.8#  
89 74.2 48.5 72.7#  
182 2.5 1.9 2.9





#57

Fluorene

Concen: 45.89 ng

RT: 11.67 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

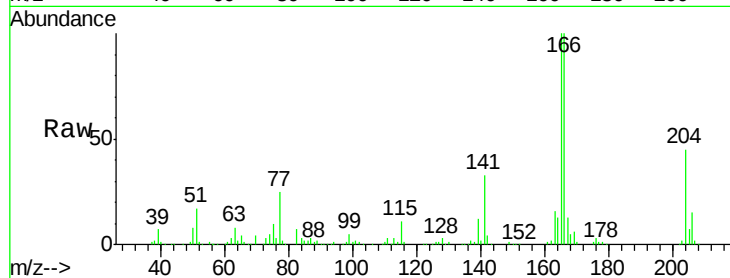
Tgt Ion:166 Resp: 329270

Ion Ratio Lower Upper

166 100

165 99.8 77.6 116.4

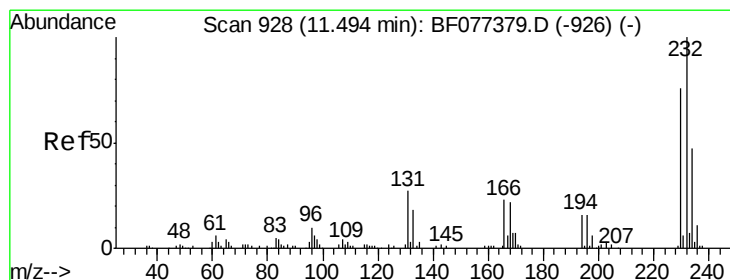
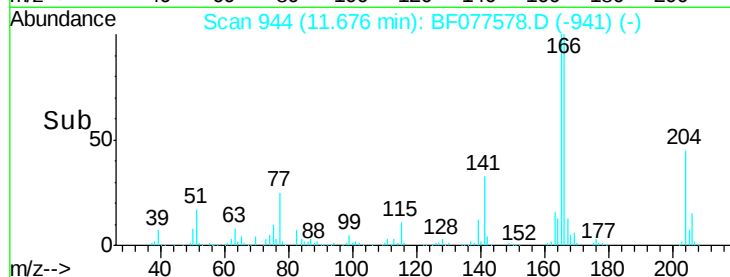
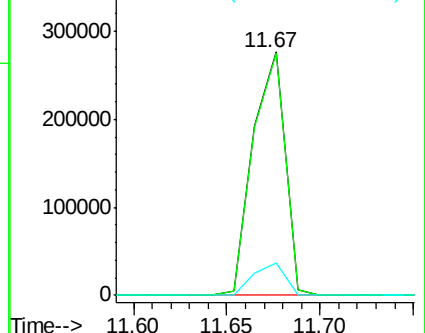
167 13.3 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.08 ng

RT: 11.40 min Scan# 920

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Tgt Ion:232 Resp: 83016

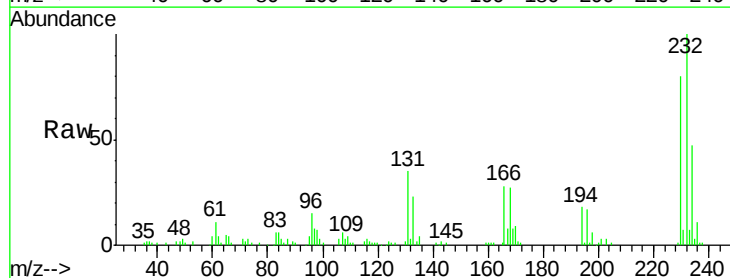
Ion Ratio Lower Upper

232 100

131 45.5 34.2 51.2

130 2.3 1.8 2.6

166 31.9 24.3 36.5

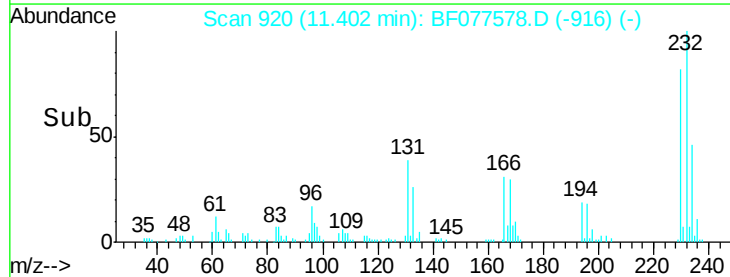
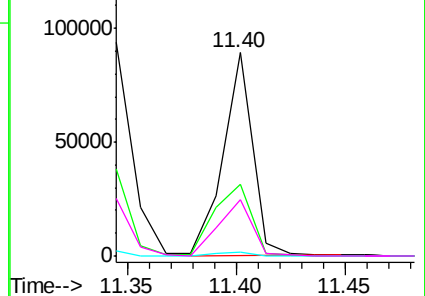


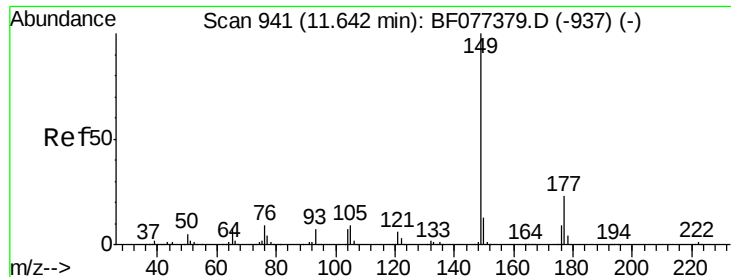
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

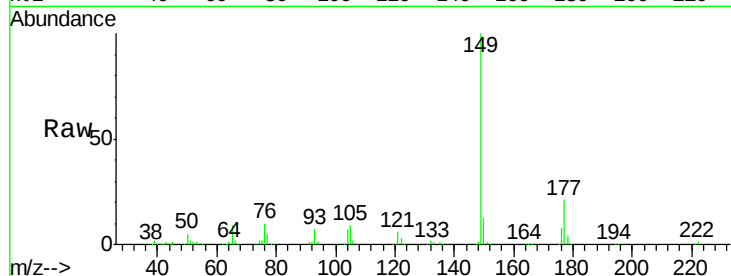




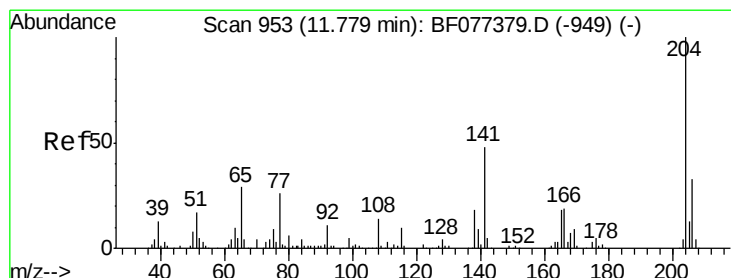
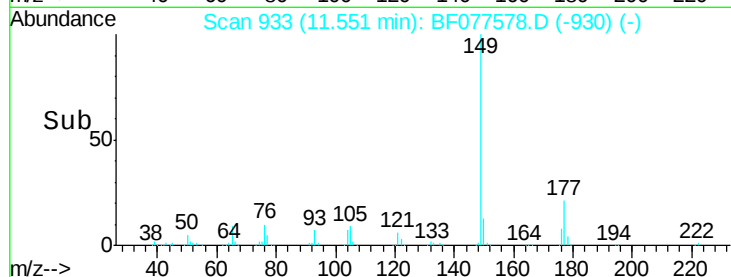
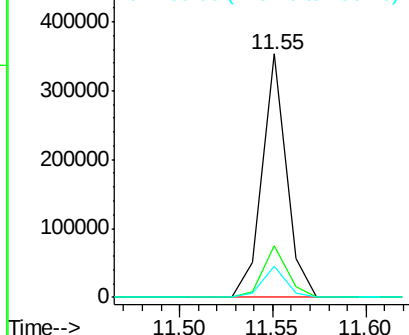
#59  
Diethylphthalate  
Concen: 44.10 ng  
RT: 11.55 min Scan# 933  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:149 Resp: 316479  
Ion Ratio Lower Upper  
149 100  
177 21.3 17.2 25.8  
150 12.7 10.5 15.7

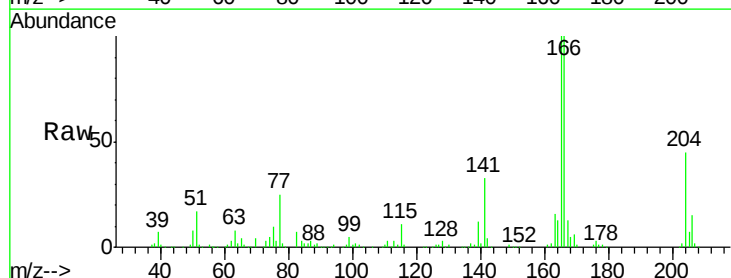


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

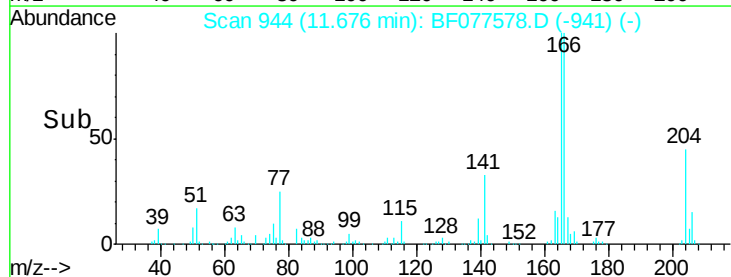
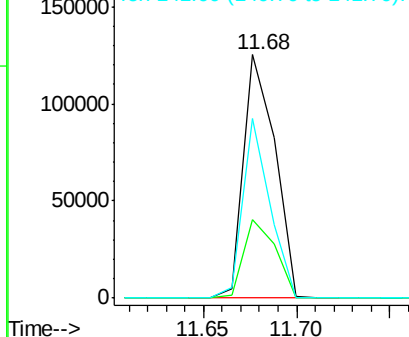


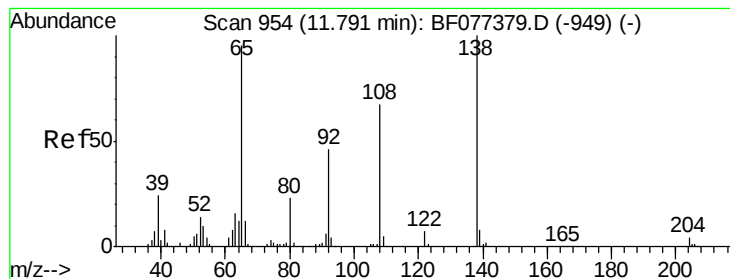
#60  
4-Chlorophenyl-phenylether  
Concen: 42.37 ng  
RT: 11.68 min Scan# 944  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:204 Resp: 146472  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.9 38.9  
141 73.6 43.6 65.4#



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 53.59 ng

RT: 11.70 min Scan# 946

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

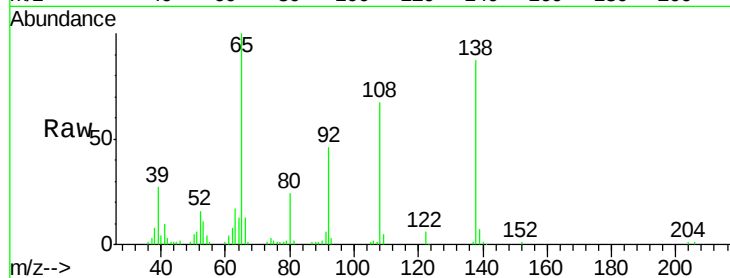
Tgt Ion:138 Resp: 86451

Ion Ratio Lower Upper

138 100

92 53.3 32.8 72.8

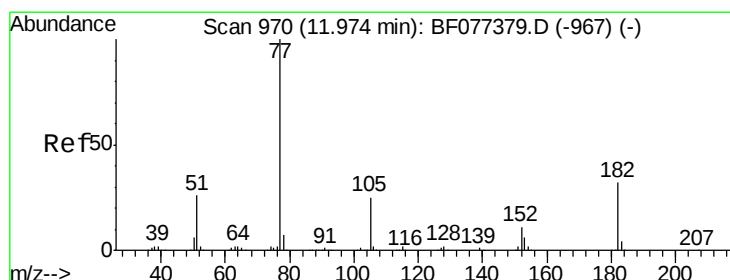
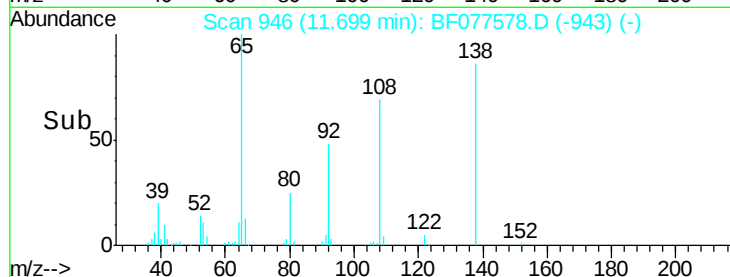
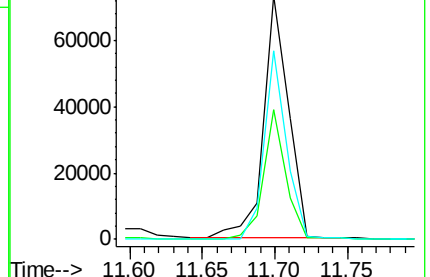
108 77.3 52.1 92.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 44.59 ng

RT: 11.87 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Tgt Ion: 77 Resp: 303566

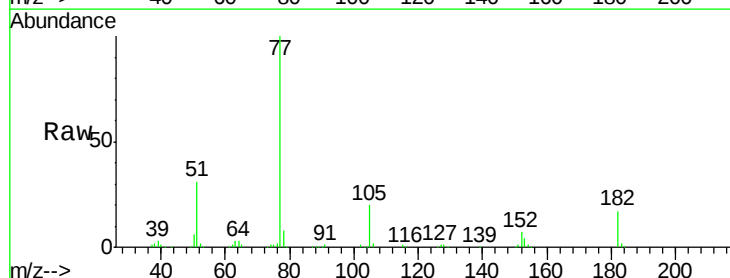
Ion Ratio Lower Upper

77 100

182 17.0 4.9 44.9

105 20.5 3.3 43.3

51 30.9 8.9 48.9

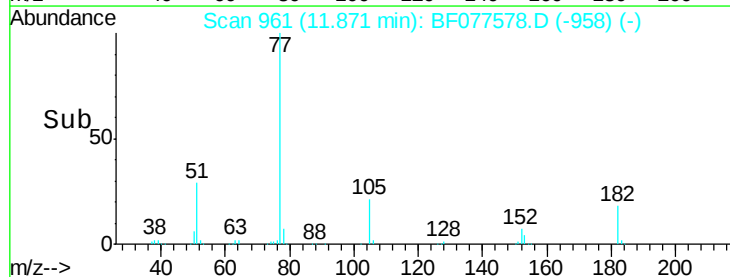
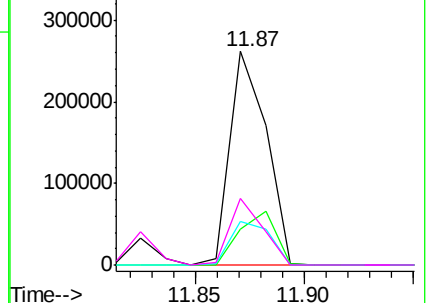


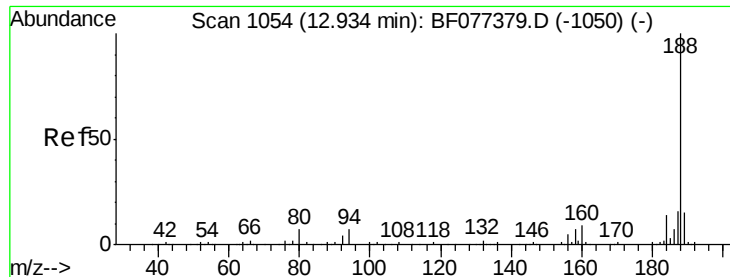
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

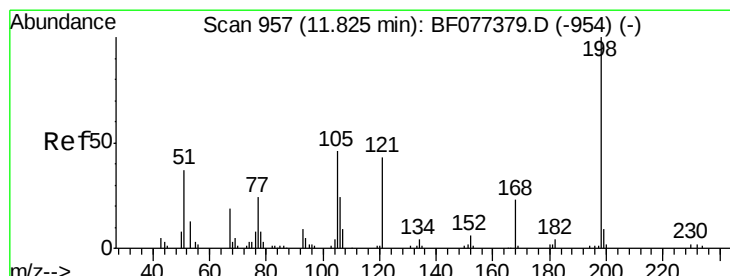
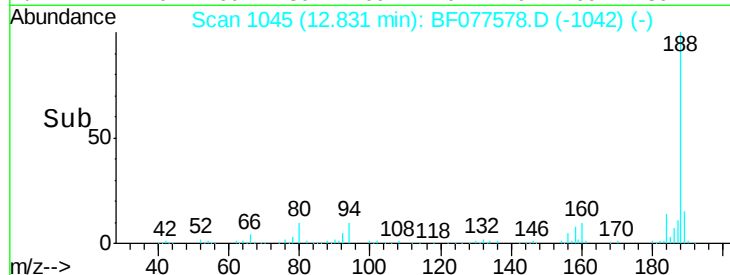
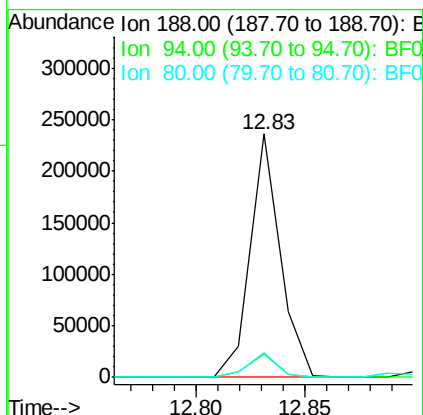
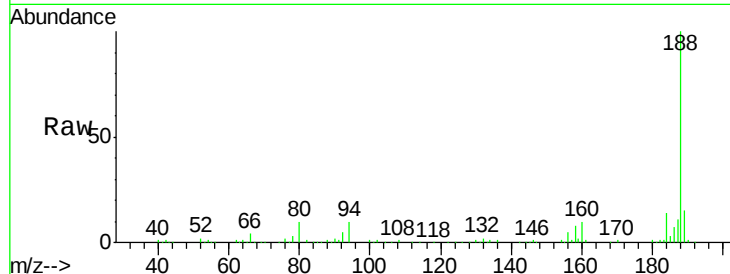




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.83 min Scan# 1045  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

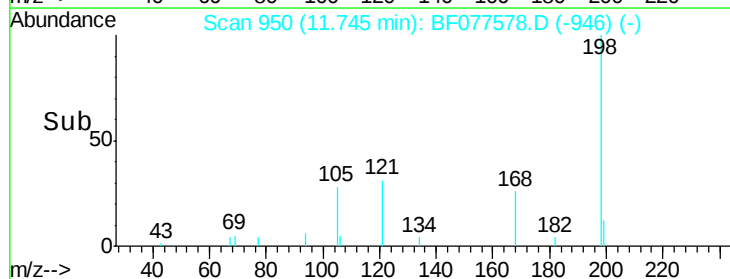
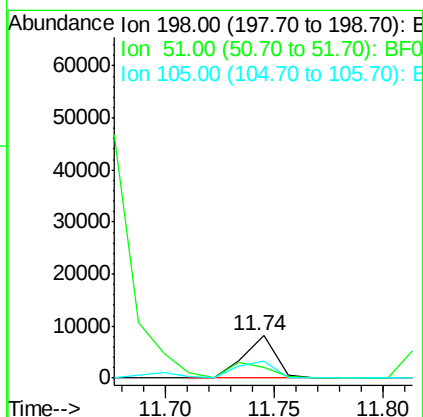
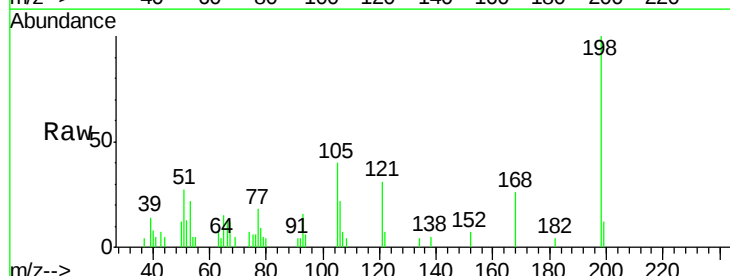
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

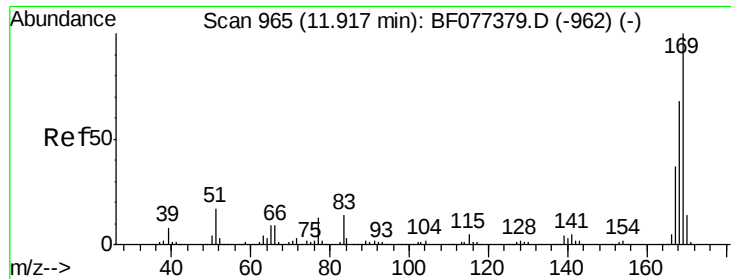
Tgt Ion:188 Resp: 226972  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.4 11.2  
80 10.2 8.0 12.0



#64  
4,6-Dinitro-2-methylphenol  
Concen: 12.00 ng  
RT: 11.74 min Scan# 950  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:198 Resp: 8137  
Ion Ratio Lower Upper  
198 100  
51 26.7 2.7 42.7  
105 39.9 10.0 50.0

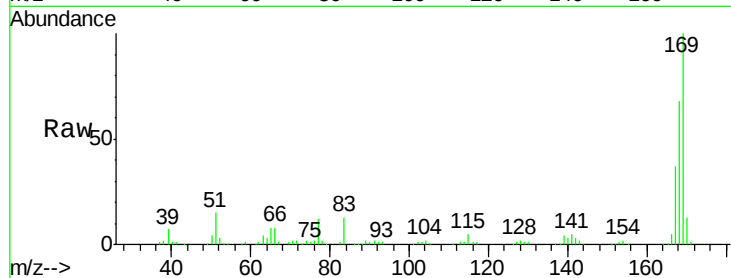




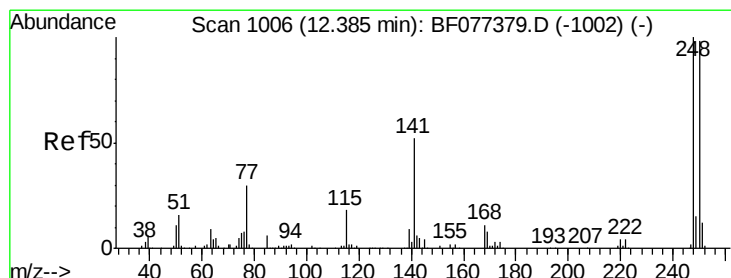
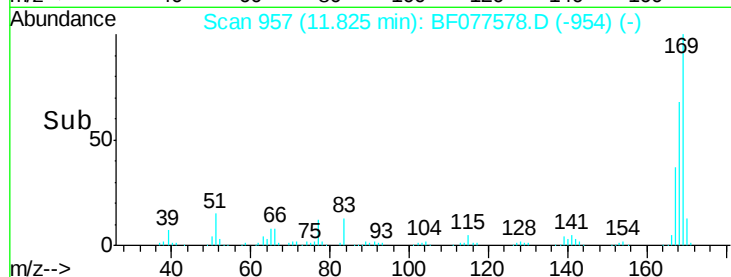
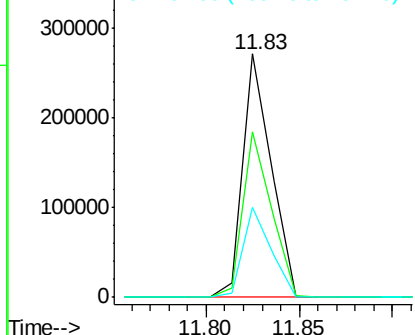
#65  
n-Nitrosodiphenylamine  
Concen: 37.97 ng  
RT: 11.83 min Scan# 957  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:169 Resp: 285943  
Ion Ratio Lower Upper  
169 100  
168 67.8 53.0 79.6  
167 36.8 29.5 44.3

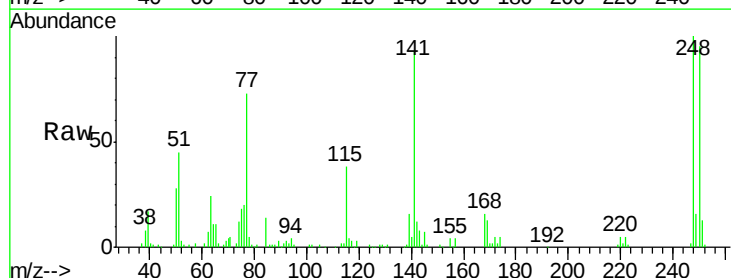


Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

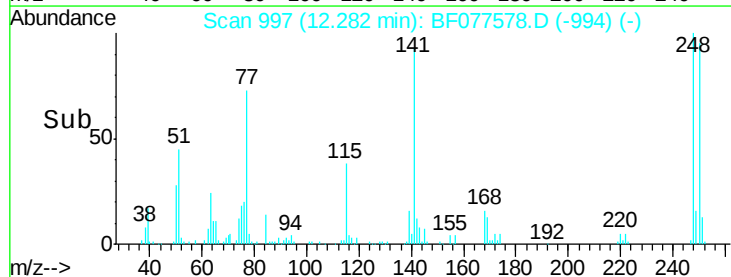
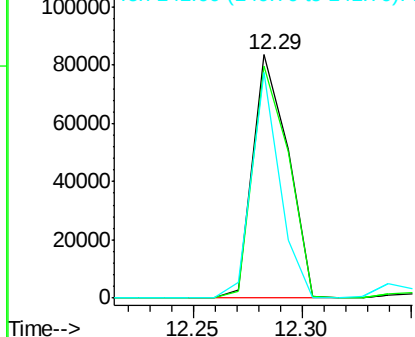


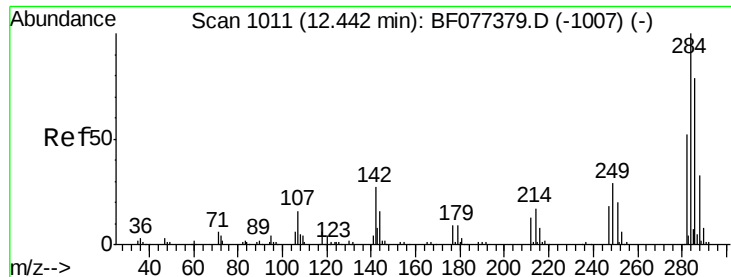
#66  
4-Bromophenyl-phenylether  
Concen: 35.65 ng  
RT: 12.29 min Scan# 997  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:248 Resp: 94763  
Ion Ratio Lower Upper  
248 100  
250 95.4 78.0 117.0  
141 92.7 54.1 81.1#



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

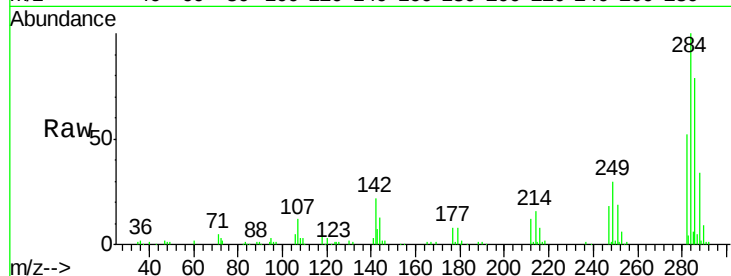




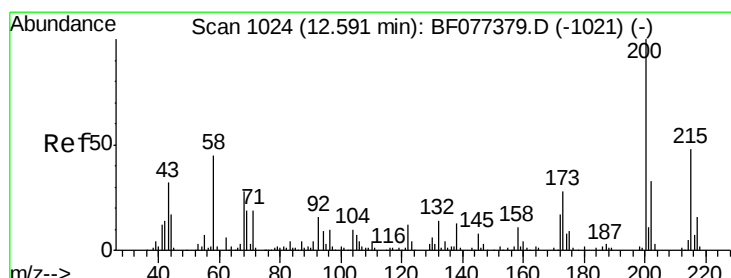
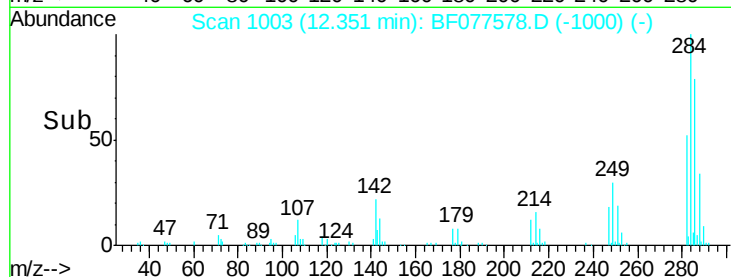
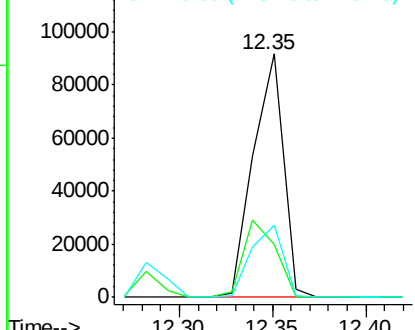
#67  
Hexachlorobenzene  
Concen: 35.95 ng  
RT: 12.35 min Scan# 1003  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion: 284 Resp: 102568  
Ion Ratio Lower Upper  
284 100  
142 21.6 31.6 47.4#  
249 29.8 27.0 40.4

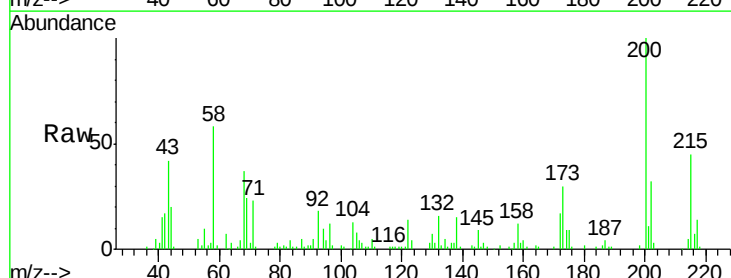


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

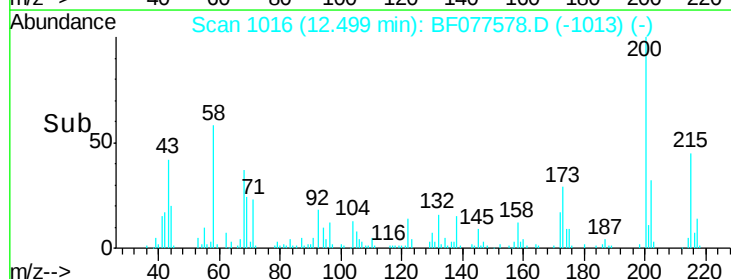
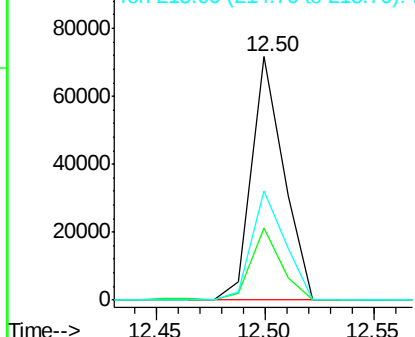


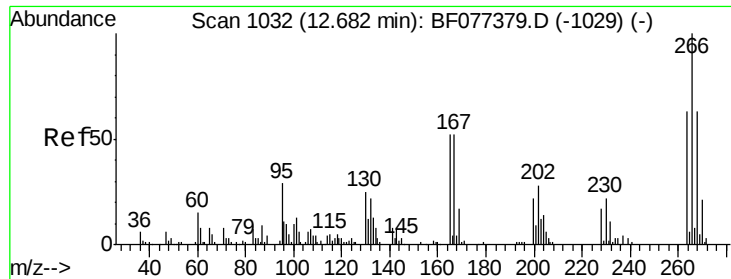
#68  
Atrazine  
Concen: 30.17 ng  
RT: 12.50 min Scan# 1016  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion: 200 Resp: 73872  
Ion Ratio Lower Upper  
200 100  
173 29.6 9.6 49.6  
215 44.9 24.4 64.4



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

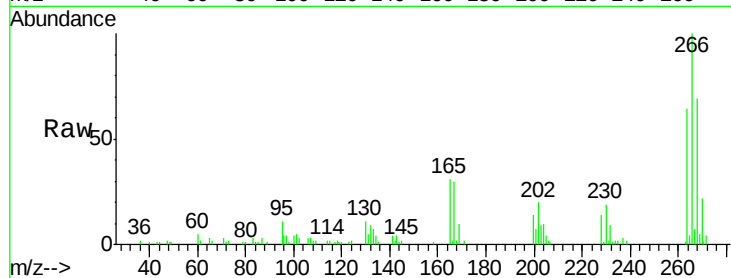




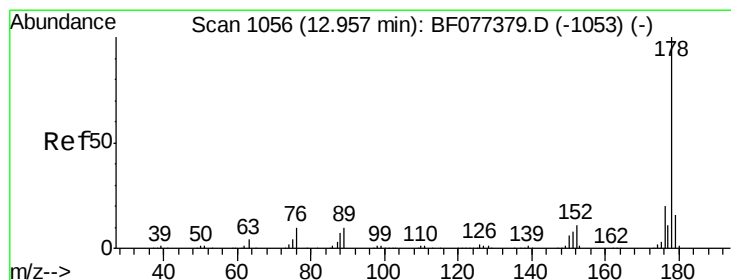
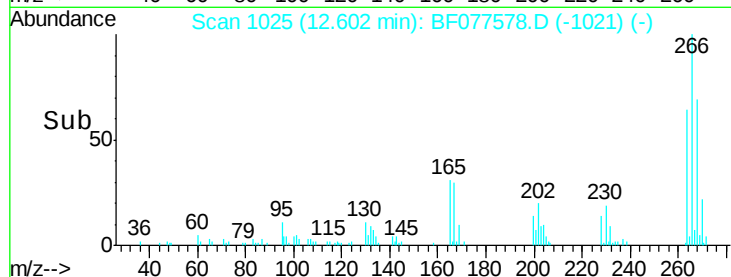
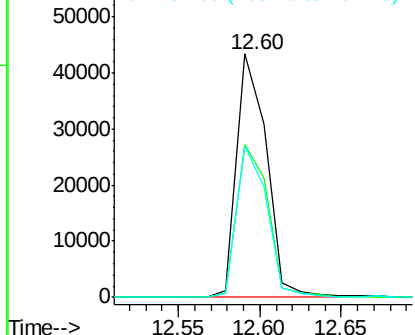
#69  
 Pentachlorophenol  
 Concen: 36.61 ng  
 RT: 12.60 min Scan# 1025  
 Delta R.T. -0.06 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tgt Ion: 266 Resp: 54893  
 Ion Ratio Lower Upper  
 266 100  
 268 69.0 51.2 76.8  
 264 63.8 50.7 76.1

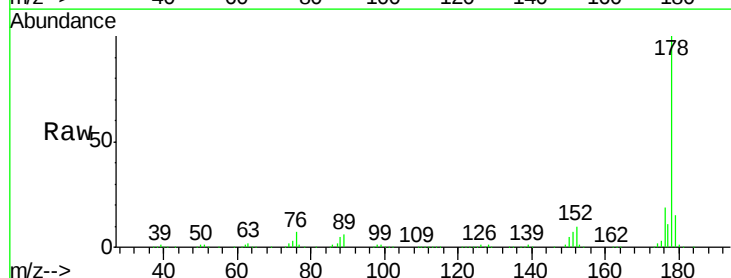


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

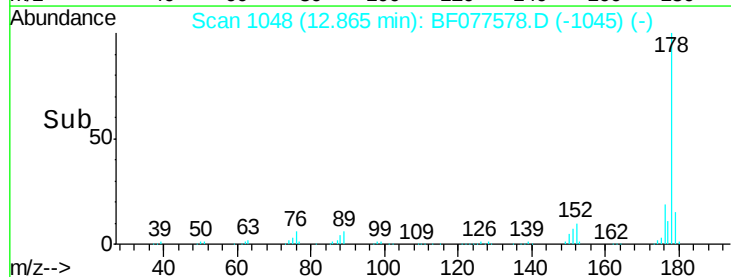
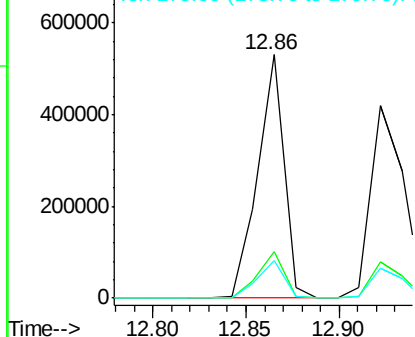


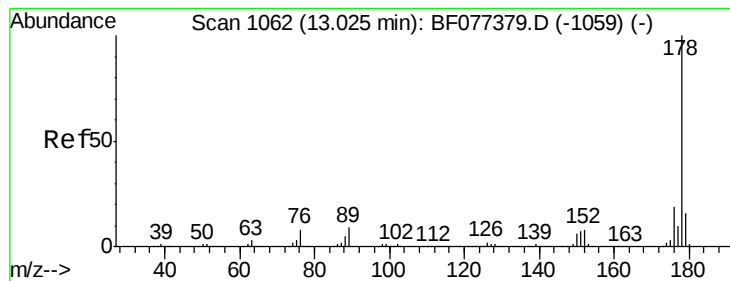
#70  
 Phenanthrene  
 Concen: 39.22 ng  
 RT: 12.86 min Scan# 1048  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion: 178 Resp: 515972  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.5 23.3  
 179 15.3 12.2 18.2



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





#71

Anthracene

Concen: 37.97 ng

RT: 12.93 min Scan# 1053

Delta R.T. -0.07 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

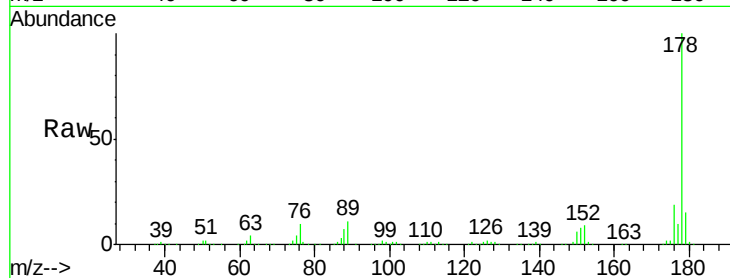
Tgt Ion:178 Resp: 495669

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

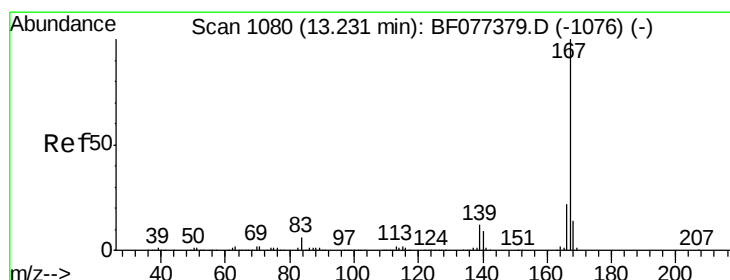
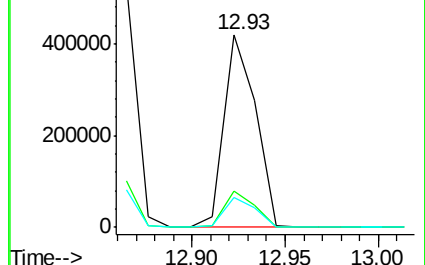
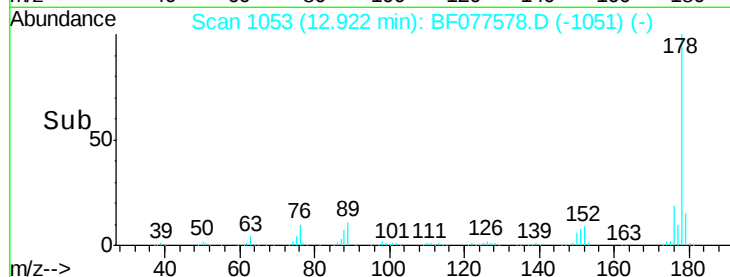
179 15.3 12.9 19.3



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: 48.88 ng

RT: 13.13 min Scan# 1071

Delta R.T. -0.06 min

Lab File: BF077578.D

Acq: 4 Mar 2015 7:39

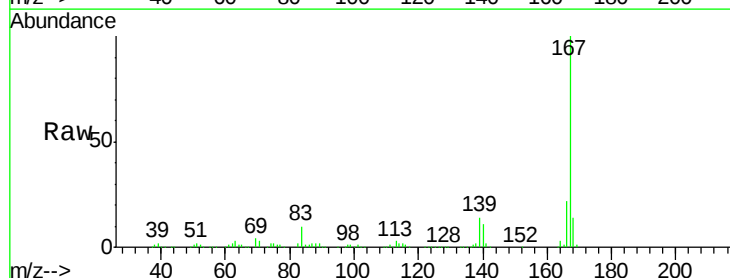
Tgt Ion:167 Resp: 606754

Ion Ratio Lower Upper

167 100

166 21.6 17.6 26.4

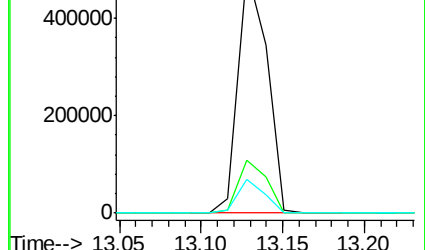
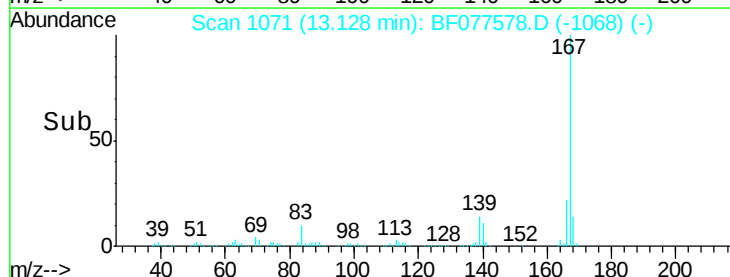
139 13.7 9.9 14.9

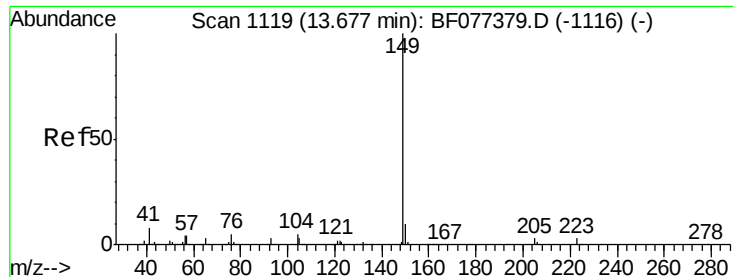


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

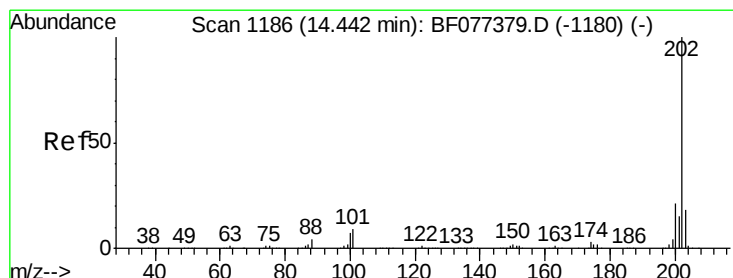
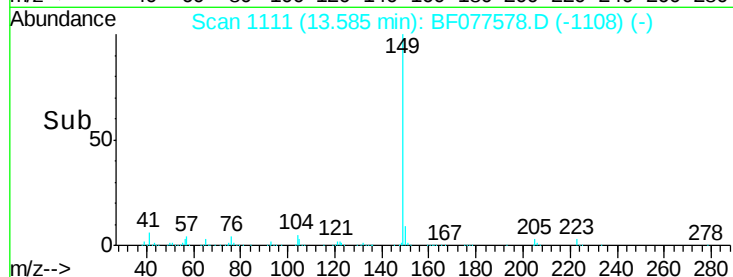
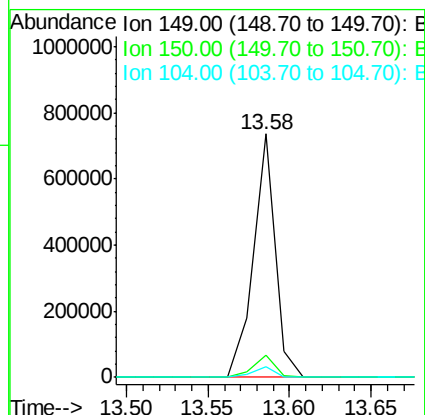
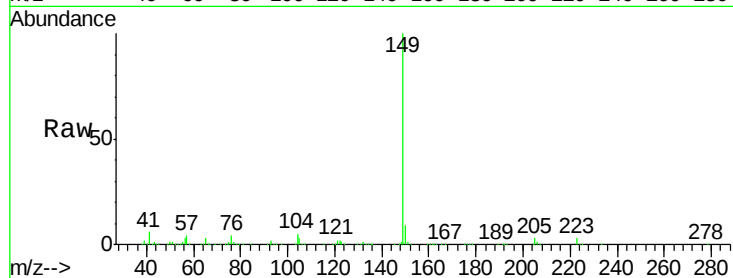




#73  
Di-n-butylphthalate  
Concen: 46.92 ng  
RT: 13.58 min Scan# 1111  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

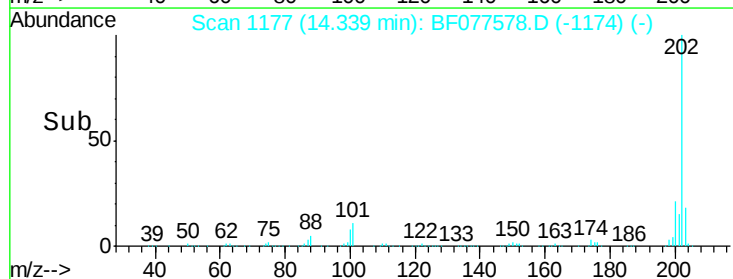
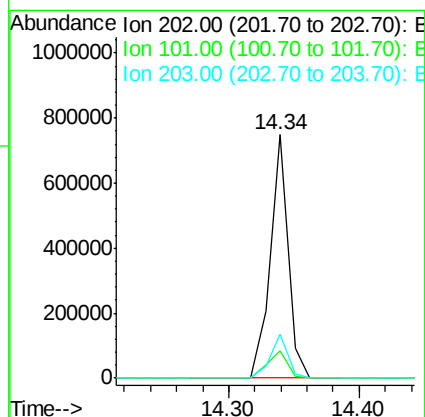
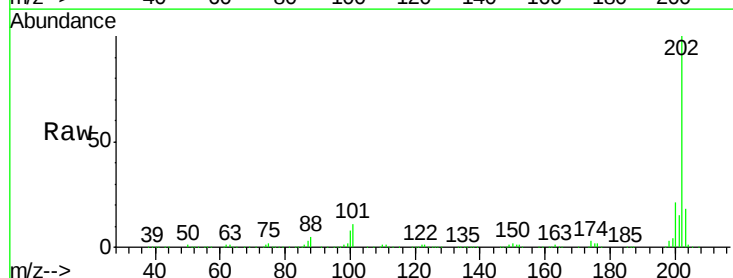
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

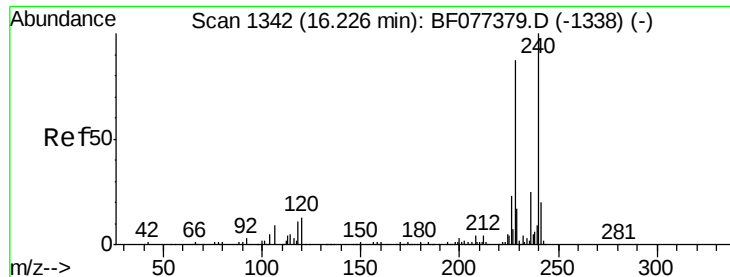
Tgt Ion:149 Resp: 683904  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.8 11.8  
104 4.6 4.1 6.1



#74  
Fluoranthene  
Concen: 50.35 ng  
RT: 14.34 min Scan# 1177  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:202 Resp: 723485  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 30.8  
203 18.1 0.0 37.7

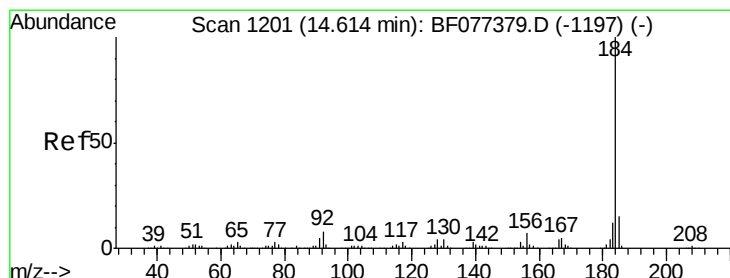
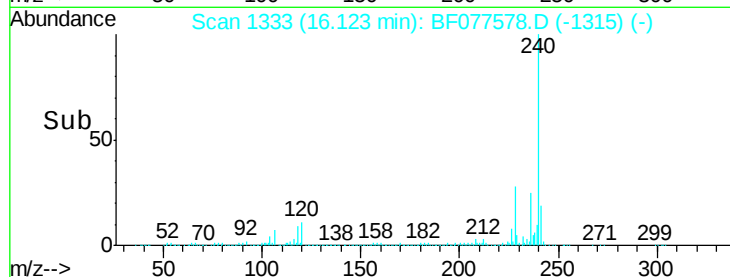
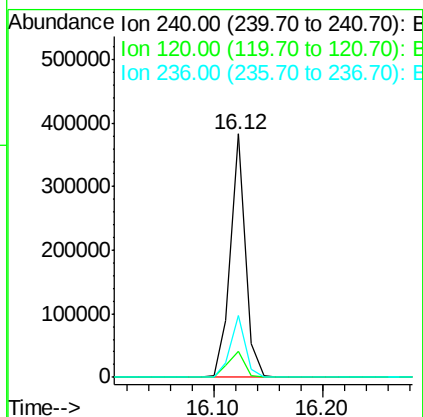
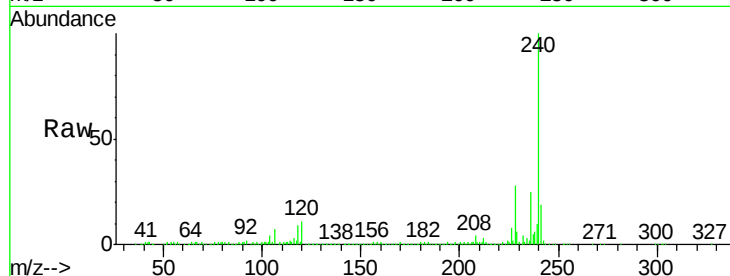




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.12 min Scan# 1333  
Delta R.T. -0.10 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

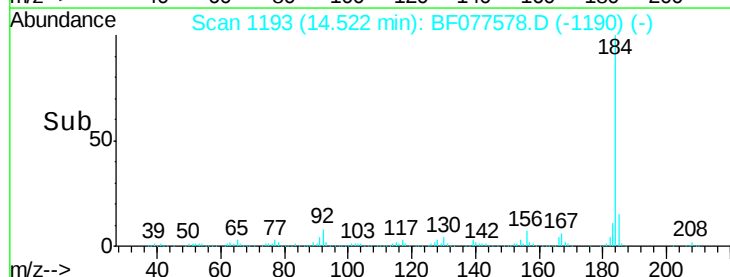
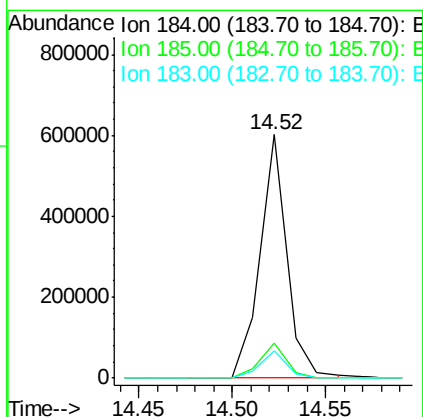
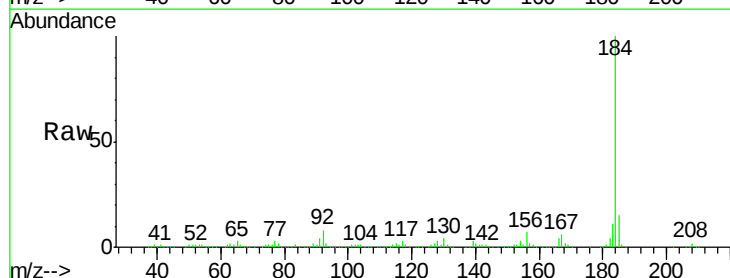
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

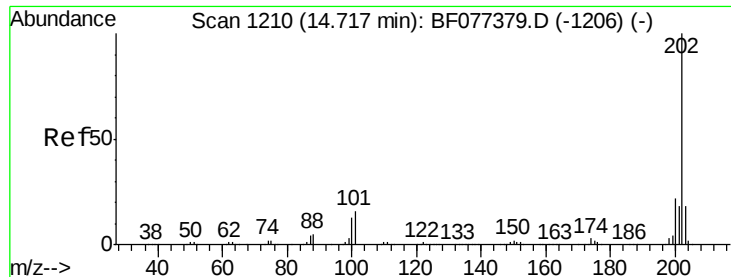
Tgt Ion:240 Resp: 367108  
Ion Ratio Lower Upper  
240 100  
120 10.6 8.8 13.2  
236 25.5 20.7 31.1



#76  
Benzidine  
Concen: 48.48 ng  
RT: 14.52 min Scan# 1193  
Delta R.T. -0.06 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:184 Resp: 601327  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.6 18.8  
183 11.3 9.3 13.9

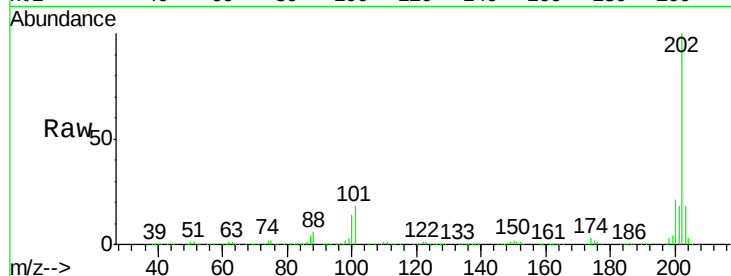




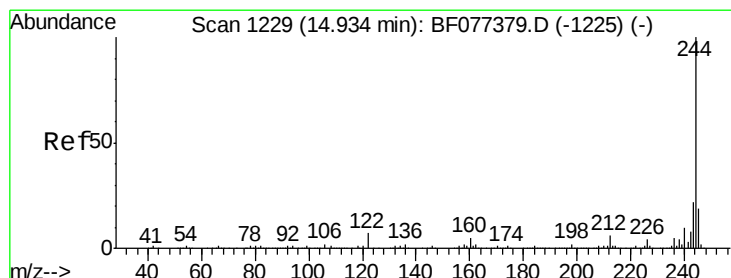
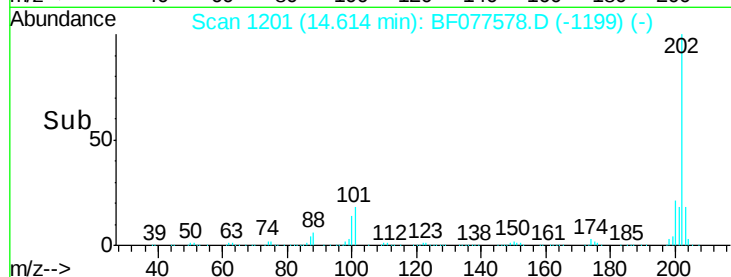
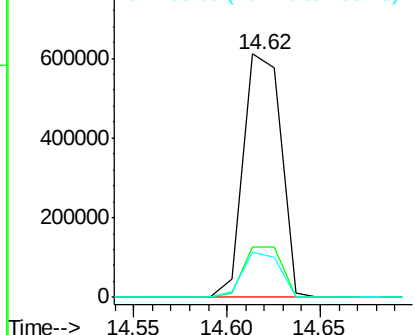
#77  
 Pyrene  
 Concen: 38.07 ng  
 RT: 14.62 min Scan# 1201  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tgt Ion: 202 Resp: 854944  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 17.1 25.7  
 203 18.4 14.2 21.2

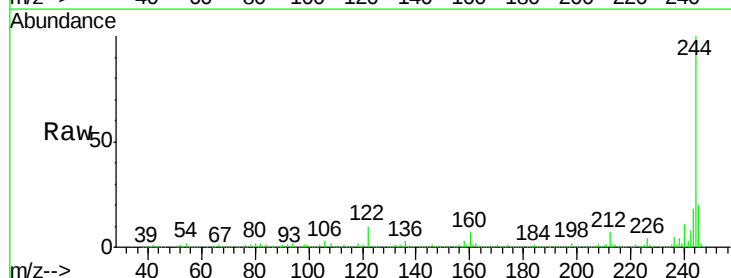


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

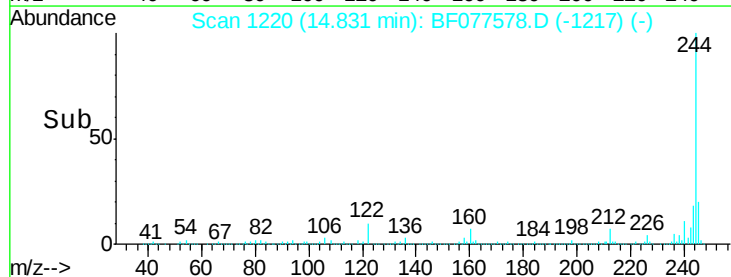
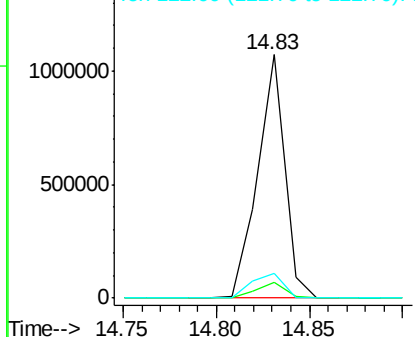


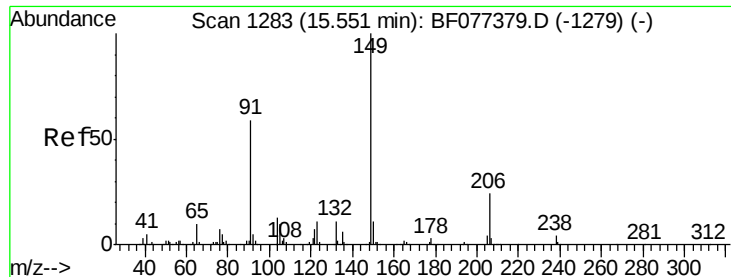
#78  
 Terphenyl-d14  
 Concen: 68.34 ng  
 RT: 14.83 min Scan# 1220  
 Delta R.T. -0.07 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion: 244 Resp: 1073093  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.2 7.8  
 122 10.3 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

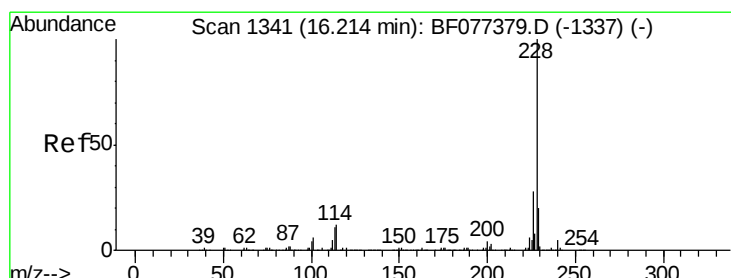
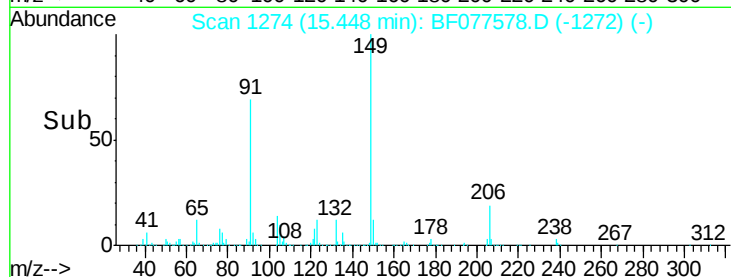
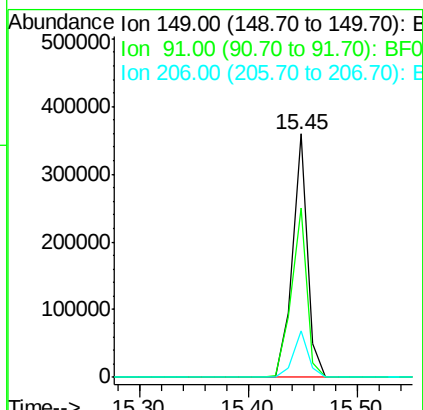
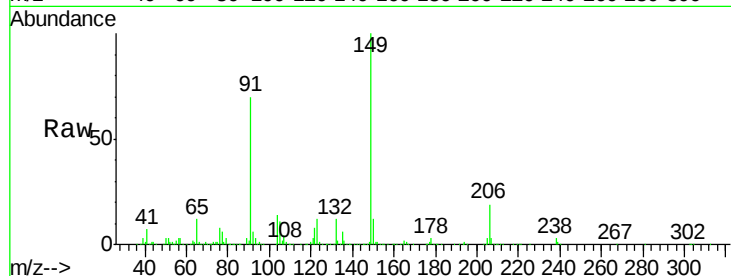




#79  
Butylbenzylphthalate  
Concen: 37.50 ng  
RT: 15.45 min Scan# 1274  
Delta R.T. -0.07 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

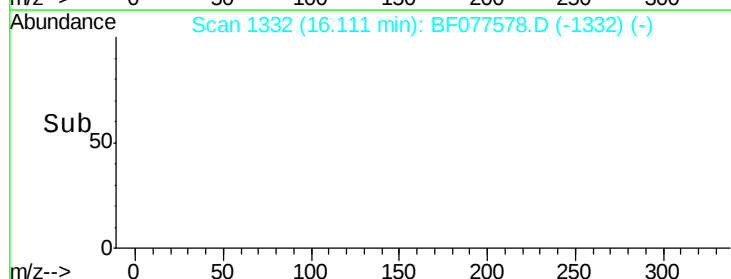
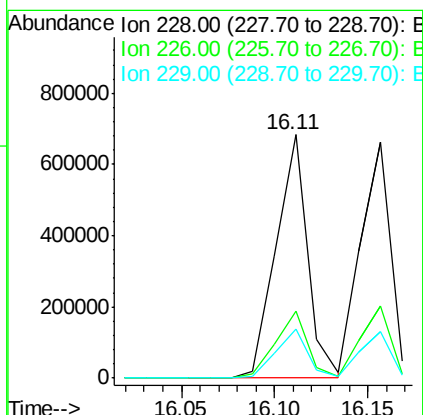
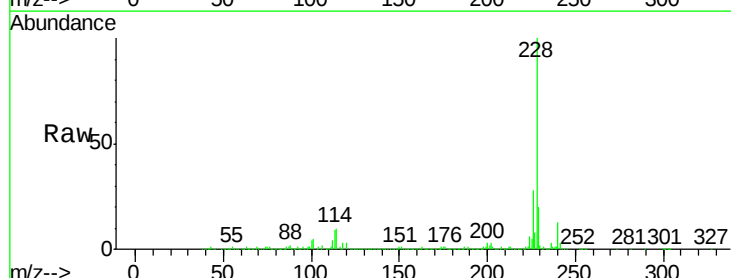
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

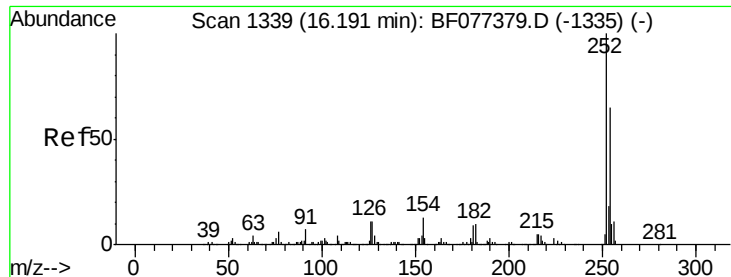
Tgt Ion:149 Resp: 346460  
Ion Ratio Lower Upper  
149 100  
91 69.6 51.2 76.8  
206 19.1 17.8 26.8



#80  
Benzo(a)anthracene  
Concen: 37.27 ng  
RT: 16.11 min Scan# 1332  
Delta R.T. -0.10 min  
Lab File: BF077578.D  
Acq: 4 Mar 2015 7:39

Tgt Ion:228 Resp: 801878  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.0 33.0  
229 20.0 15.8 23.8

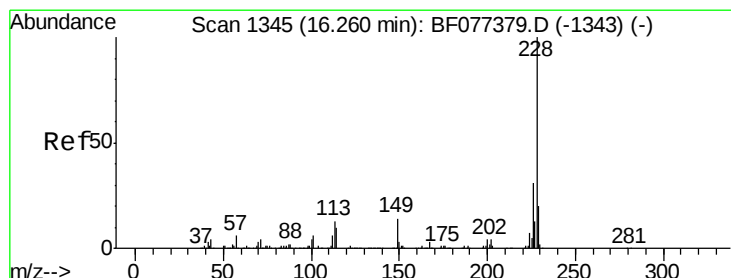
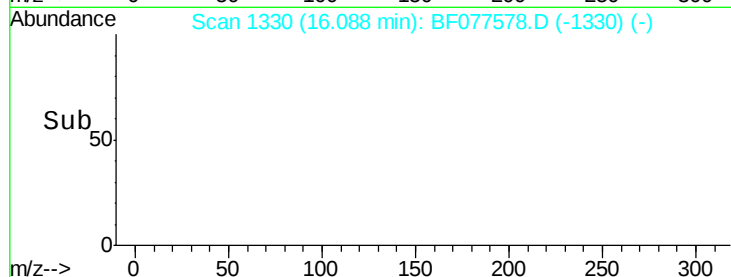
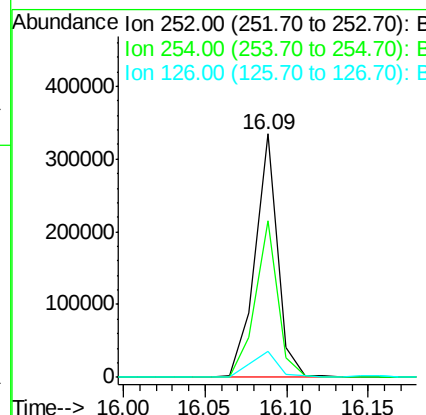
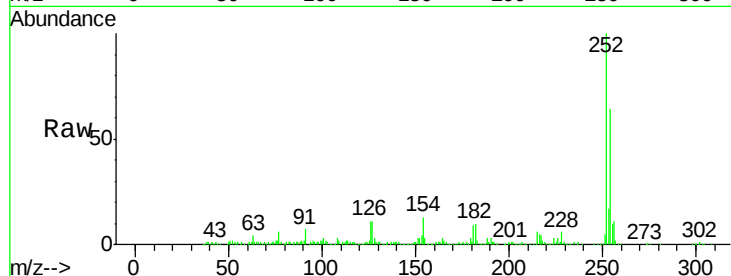




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.89 ng  
 RT: 16.09 min Scan# 1330  
 Delta R.T. -0.10 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

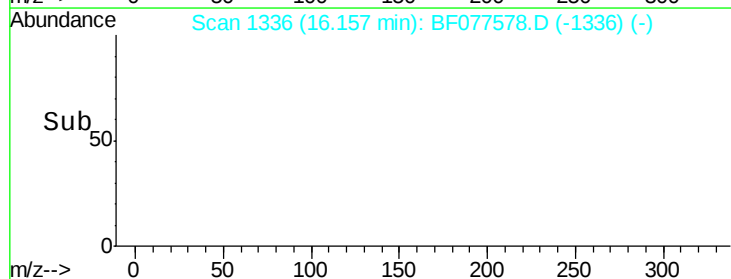
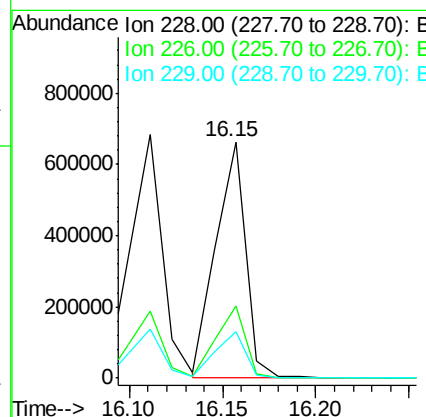
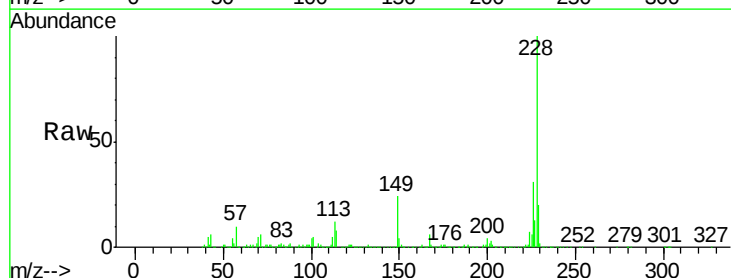
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

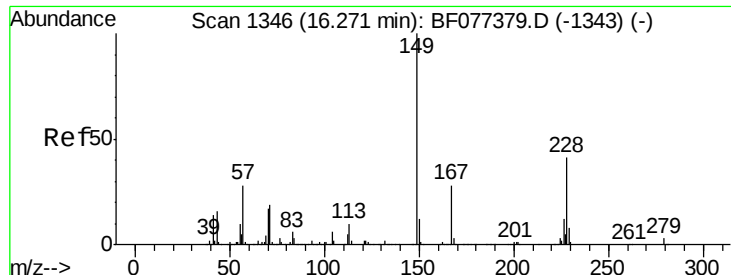
Tgt Ion:252 Resp: 322347  
 Ion Ratio Lower Upper  
 252 100  
 254 64.4 52.9 79.3  
 126 10.8 7.3 10.9



#82  
 Chrysene  
 Concen: 36.33 ng  
 RT: 16.15 min Scan# 1336  
 Delta R.T. -0.10 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion:228 Resp: 733969  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 24.9 37.3  
 229 19.8 16.4 24.6

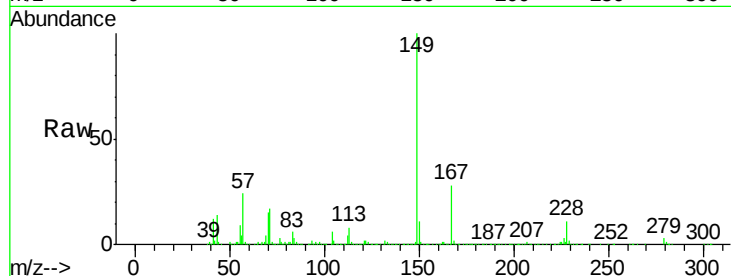




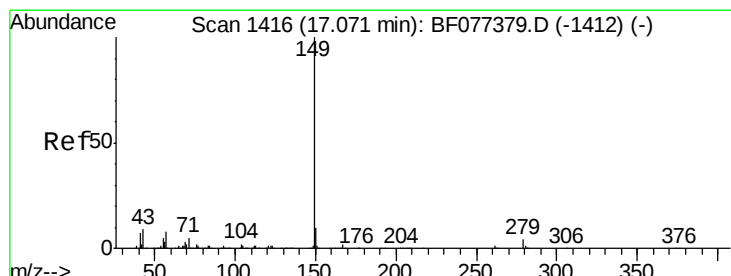
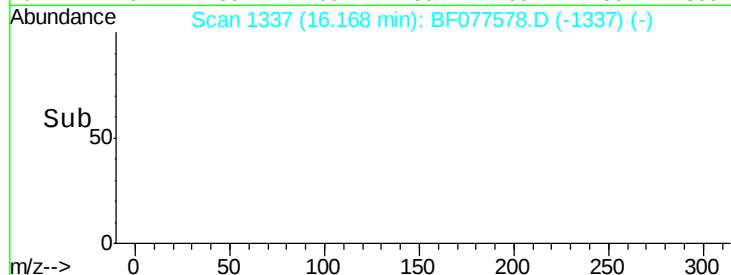
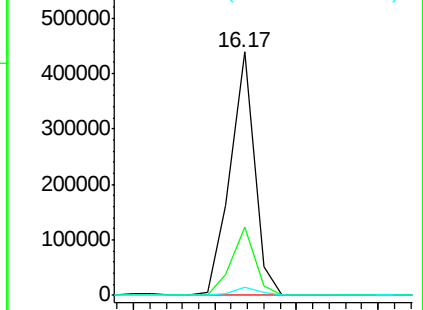
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 30.42 ng  
 RT: 16.17 min Scan# 1337  
 Delta R.T. -0.10 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Tgt Ion:149 Resp: 450636  
 Ion Ratio Lower Upper  
 149 100  
 167 27.8 22.8 34.2  
 279 3.5 3.8 5.6#

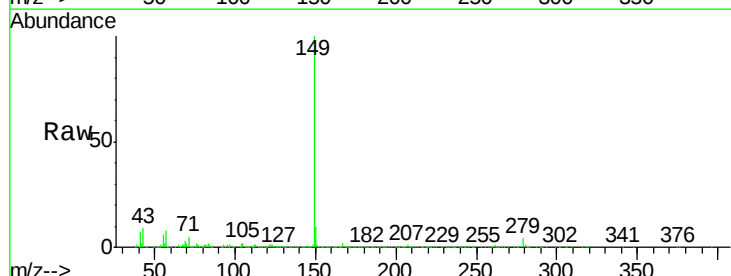


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#84  
 Di-n-octyl phthalate  
 Concen: 31.22 ng  
 RT: 16.95 min Scan# 1406  
 Delta R.T. -0.15 min  
 Lab File: BF077578.D  
 Acq: 4 Mar 2015 7:39

Tgt Ion:149 Resp: 772117  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.3 1.9  
 43 10.1 8.1 12.1



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

