

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF072415\  
 Data File : BF080668.D  
 Acq On : 25 Jul 2015 13:43  
 Operator : TP/UM  
 Sample : G3079-03RE 5X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-03-003-B

Quant Time: Jul 27 01:19:04 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 25 04:28:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.93  | 152  | 42656    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.22  | 136  | 143086   | 20.00 | ng    | 0.01     |
| 38) Acenaphthene-d10      | 9.97  | 164  | 69860    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.46 | 188  | 119226   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.33 | 240  | 207424   | 20.00 | ng    | 0.17     |
| 86) Perylene-d12          | 16.05 | 264  | 215408   | 20.00 | ng    | 0.32     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.52  | 112  | 28685    | 11.32 | ng    | 0.01     |
| 7) Phenol-d6                | 6.54  | 99   | 67552    | 22.33 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.49  | 82   | 38764    | 13.61 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.76 | 330  | 1850     | 2.95  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 67428    | 14.89 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.11 | 244  | 78719    | 8.17  | ng    | 0.05     |

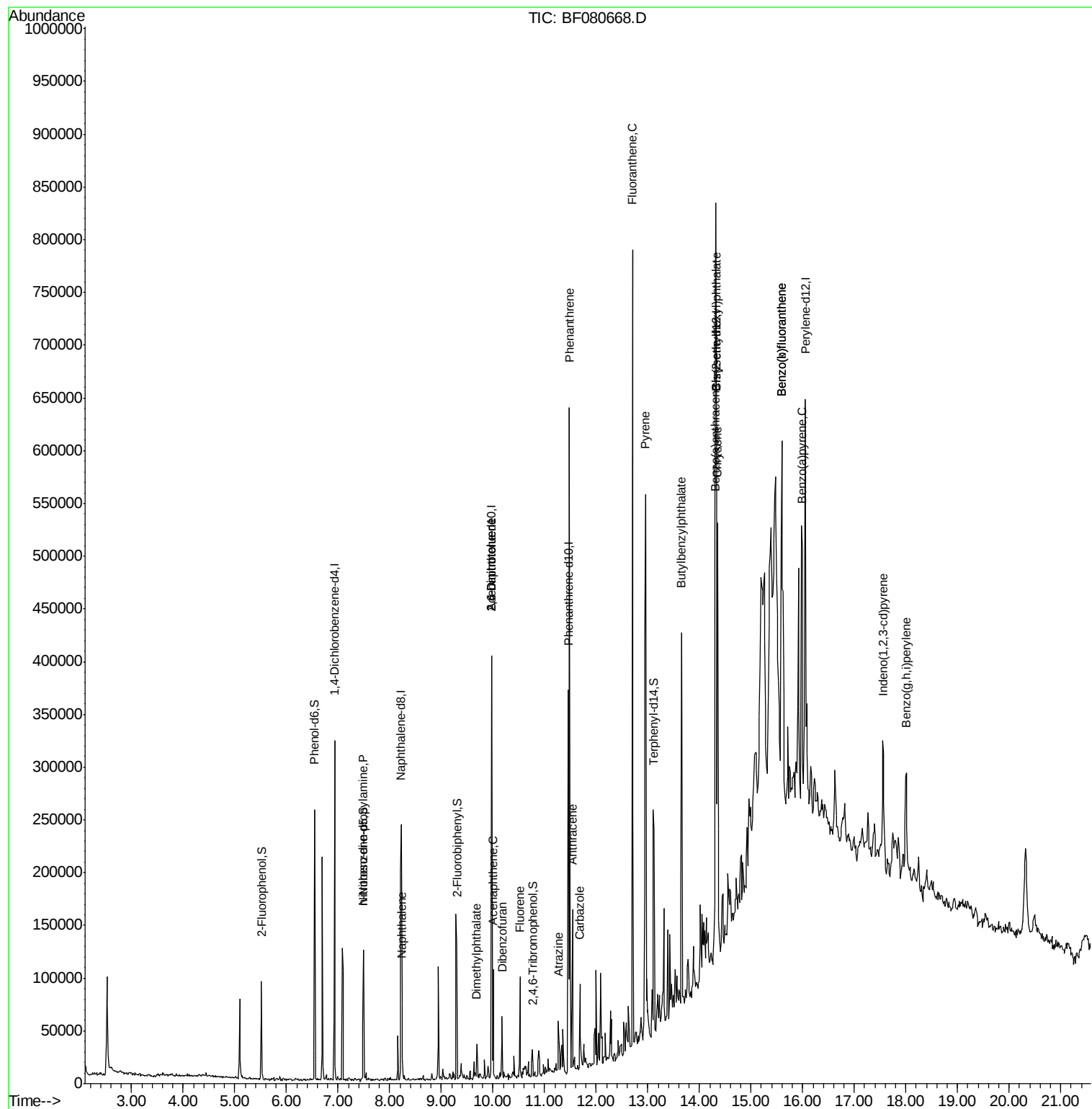
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.49  | 70   | 4999     | 2.29  | ng    | # 72   |
| 31) Naphthalene                | 8.24  | 128  | 19723    | 2.75  | ng    | 96     |
| 49) Dimethylphthalate          | 9.69  | 163  | 10527    | 2.11  | ng    | # 94   |
| 50) 2,6-Dinitrotoluene         | 9.97  | 165  | 9293     | 10.42 | ng    | # 1    |
| 51) Acenaphthene               | 10.01 | 154  | 20037    | 4.78  | ng    | 97     |
| 54) Dibenzofuran               | 10.18 | 168  | 19770    | 3.30  | ng    | 96     |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 9291     | 7.88  | ng    | # 2    |
| 57) Fluorene                   | 10.52 | 166  | 23569    | 5.00  | ng    | 98     |
| 68) Atrazine                   | 11.26 | 200  | 2253     | 2.12  | ng    | # 37   |
| 70) Phenanthrene               | 11.48 | 178  | 226927   | 34.48 | ng    | 100    |
| 71) Anthracene                 | 11.54 | 178  | 65126    | 10.26 | ng    | 98     |
| 72) Carbazole                  | 11.69 | 167  | 26484    | 4.61  | ng    | # 96   |
| 74) Fluoranthene               | 12.71 | 202  | 302833   | 47.61 | ng    | 99     |
| 77) Pyrene                     | 12.96 | 202  | 283158   | 21.80 | ng    | 98     |
| 79) Butylbenzylphthalate       | 13.65 | 149  | 79146    | 14.09 | ng    | 98     |
| 80) Benzo(a)anthracene         | 14.31 | 228  | 194206   | 15.96 | ng    | 96     |
| 82) Chrysene                   | 14.35 | 228  | 170824   | 14.98 | ng    | 96     |
| 83) Bis(2-ethylhexyl)phthalate | 14.33 | 149  | 19936    | 2.35  | ng    | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.55 | 276  | 99753    | 9.37  | ng    | 94     |
| 87) Benzo(b)fluoranthene       | 15.60 | 252  | 292341   | 22.39 | ng    | # 98   |
| 88) Benzo(k)fluoranthene       | 15.60 | 252  | 292341   | 25.00 | ng    | # 96   |
| 89) Benzo(a)pyrene             | 15.99 | 252  | 157529   | 13.41 | ng    | # 96   |
| 91) Benzo(g,h,i)perylene       | 18.01 | 276  | 89904    | 7.16  | ng    | 98     |

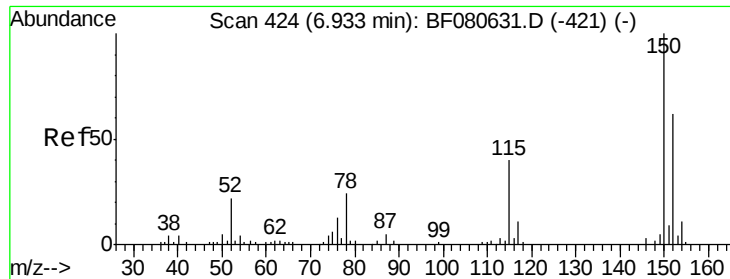
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

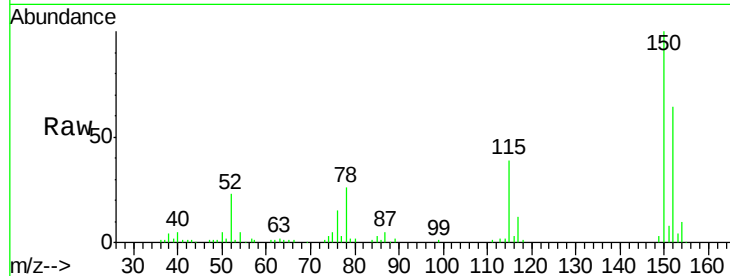
Tgt Ion:152 Resp: 42656

Ion Ratio Lower Upper

152 100

150 157.2 128.9 193.3

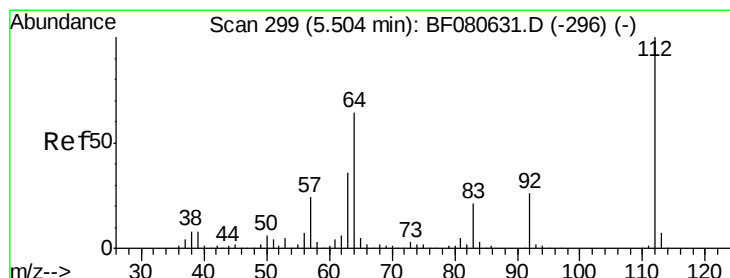
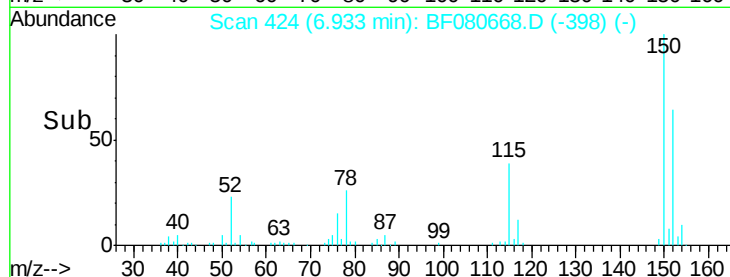
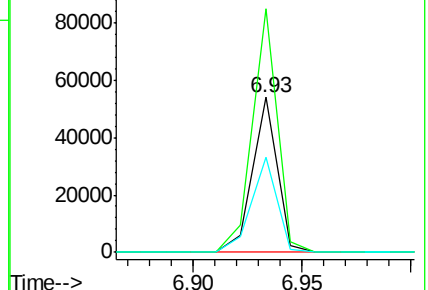
115 61.8 51.0 76.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 11.32 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

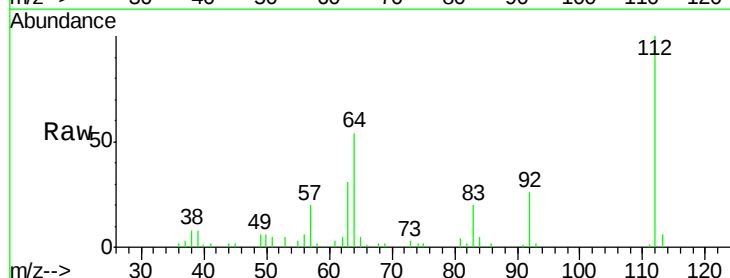
Tgt Ion:112 Resp: 28685

Ion Ratio Lower Upper

112 100

64 53.8 51.2 76.8

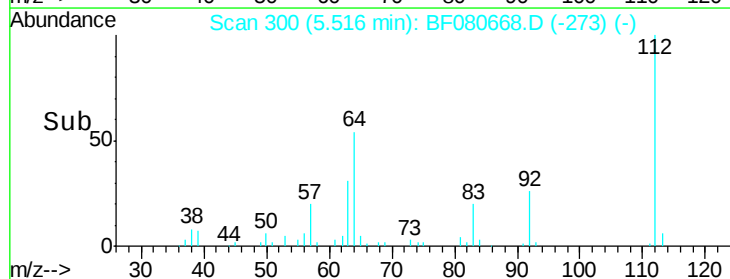
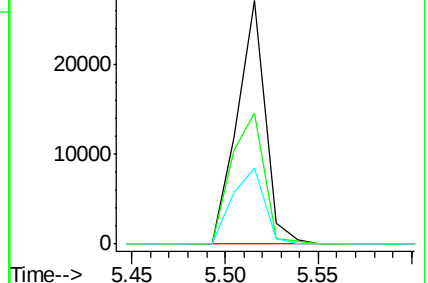
63 31.1 29.0 43.6

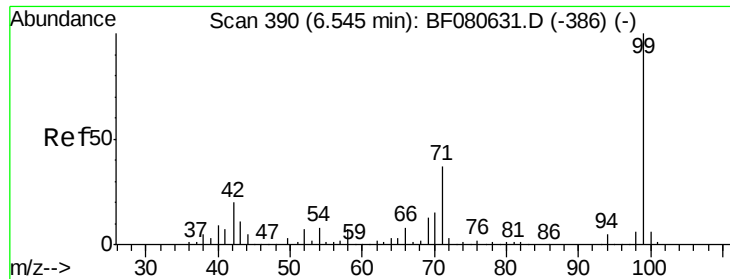


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.33 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

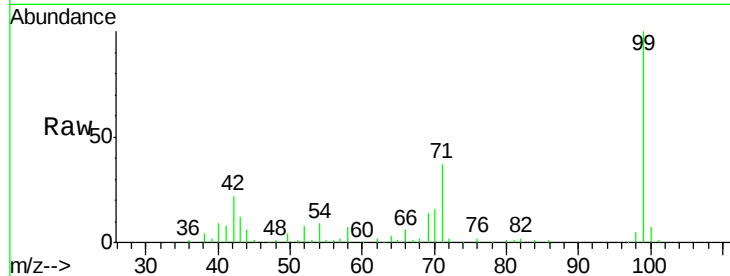
Tgt Ion: 99 Resp: 67552

Ion Ratio Lower Upper

99 100

42 21.9 16.3 24.5

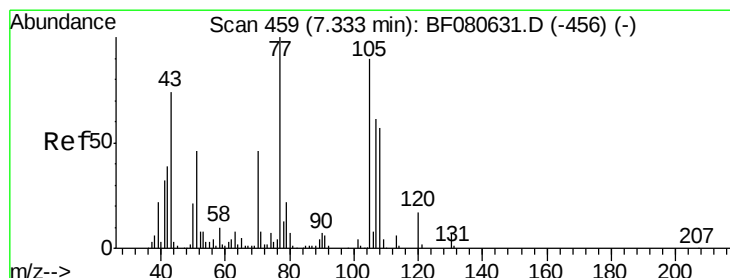
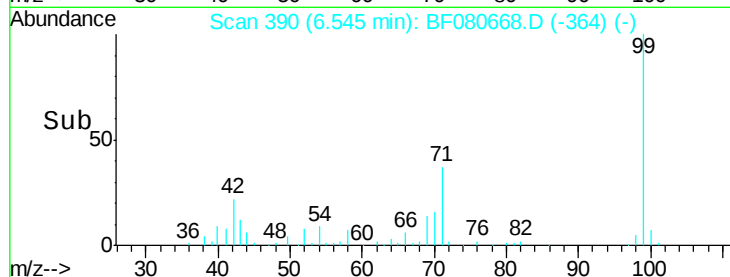
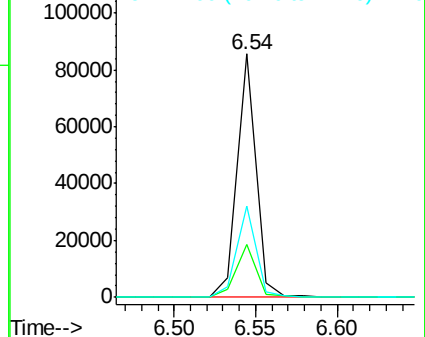
71 37.5 29.7 44.5



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.29 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.16 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion: 70 Resp: 4999

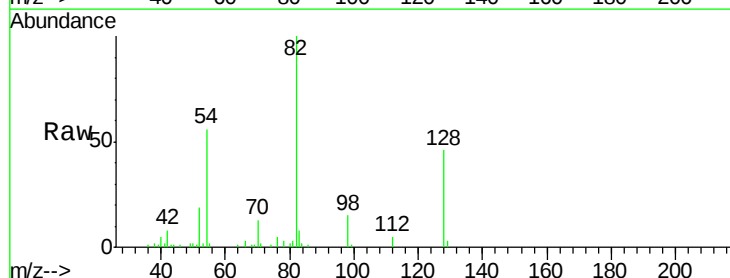
Ion Ratio Lower Upper

70 100

42 60.2 67.8 101.8#

101 0.0 6.6 9.8#

130 0.0 11.4 17.0#

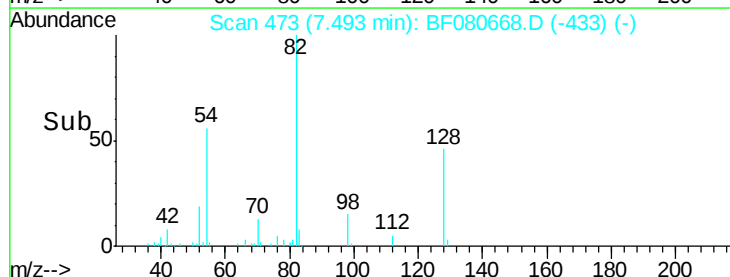
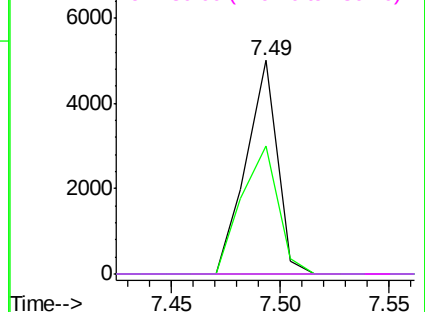


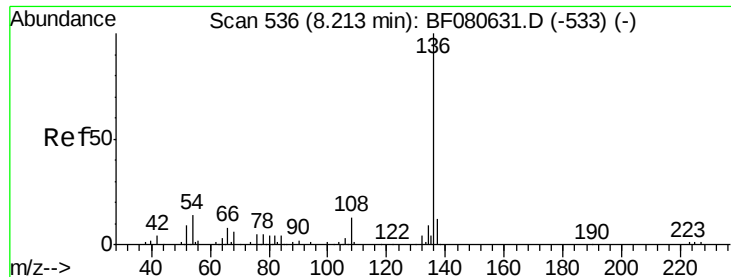
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

Tgt Ion: 136 Resp: 143086

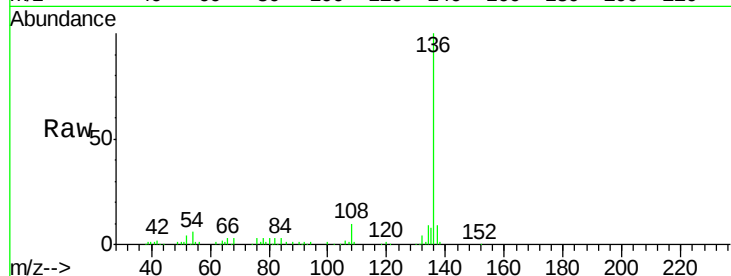
Ion Ratio Lower Upper

136 100

137 9.5 9.3 13.9

54 5.6 11.6 17.4#

68 3.0 5.0 7.4#

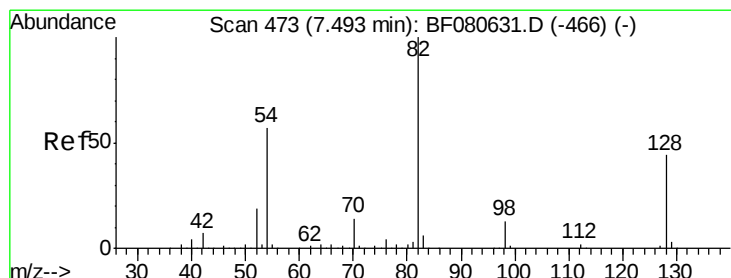
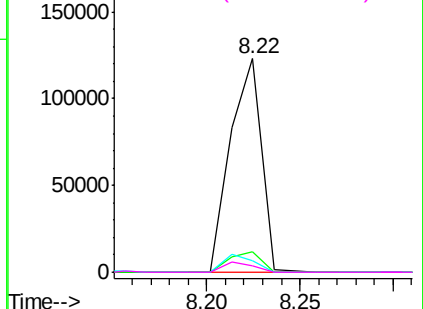
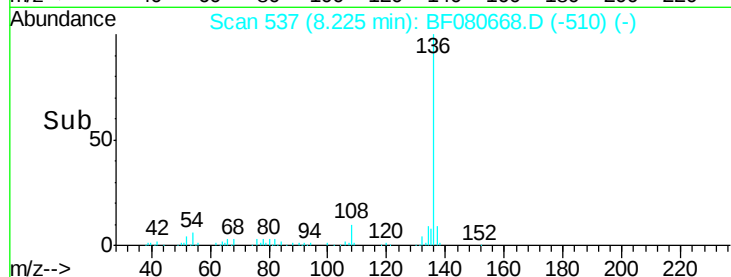


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 13.61 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

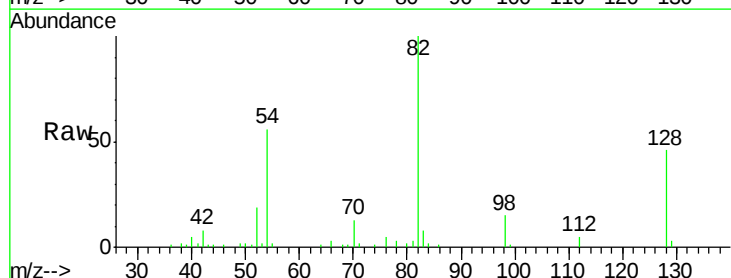
Tgt Ion: 82 Resp: 38764

Ion Ratio Lower Upper

82 100

128 45.6 34.8 52.2

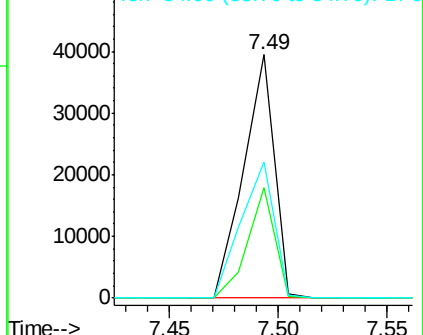
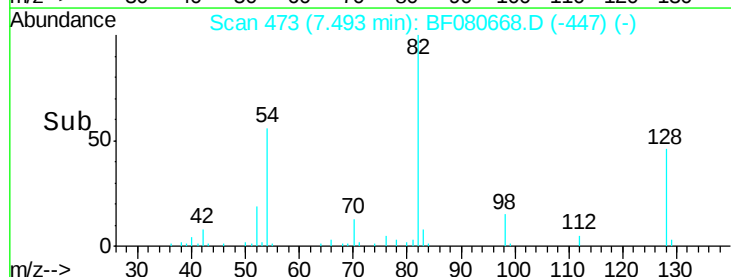
54 55.7 45.4 68.0

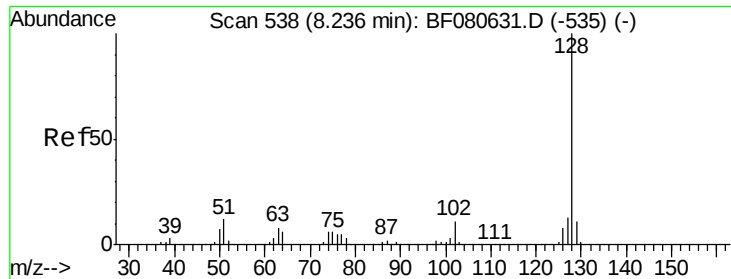


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

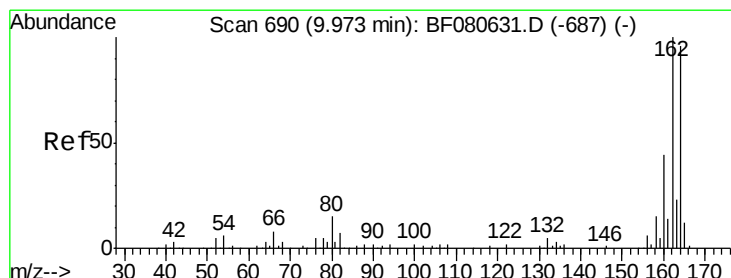
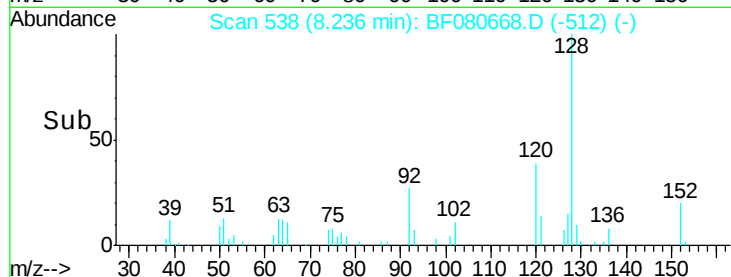
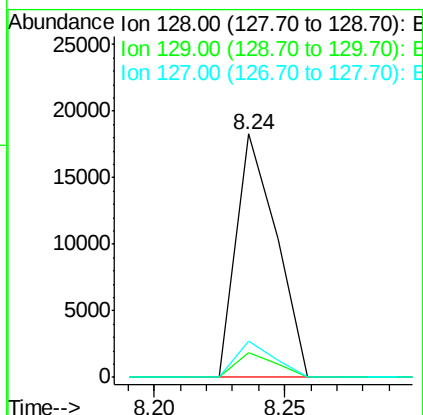
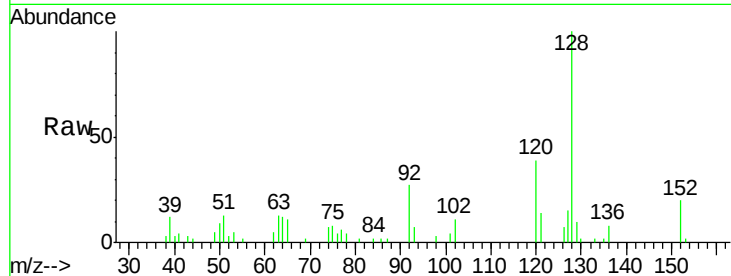




#31  
Naphthalene  
Concen: 2.75 ng  
RT: 8.24 min Scan# 538  
Delta R.T. 0.00 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

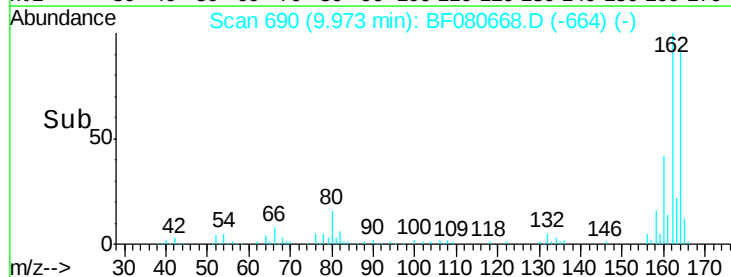
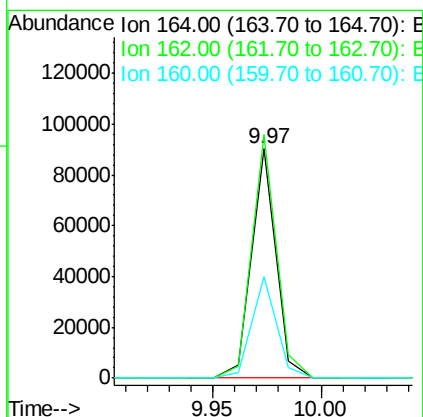
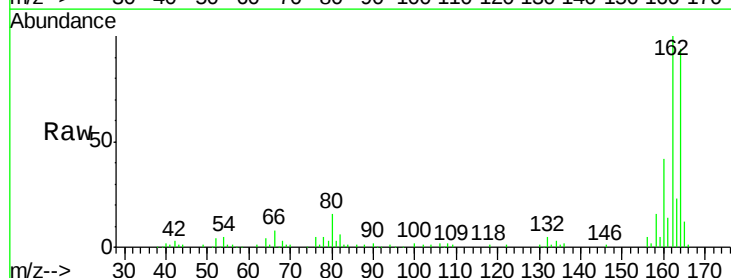
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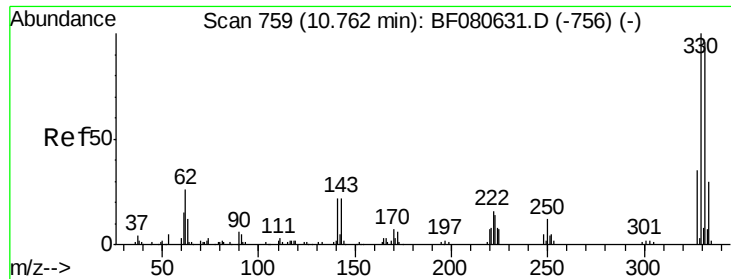
Tgt Ion:128 Resp: 19723  
Ion Ratio Lower Upper  
128 100  
129 9.9 9.0 13.6  
127 14.8 10.6 15.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.97 min Scan# 690  
Delta R.T. 0.00 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Tgt Ion:164 Resp: 69860  
Ion Ratio Lower Upper  
164 100  
162 106.3 83.3 124.9  
160 44.3 36.9 55.3

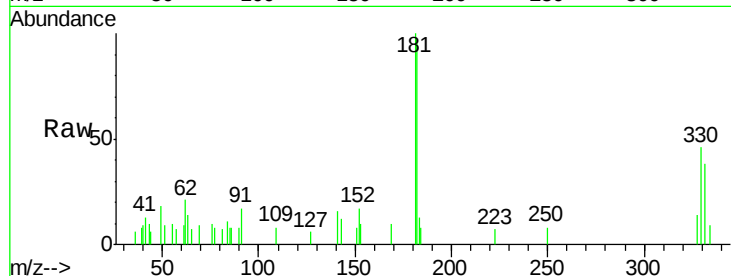




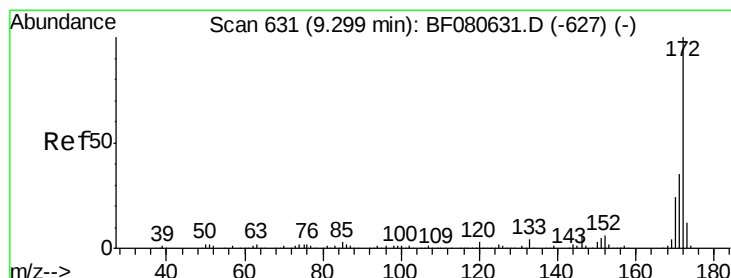
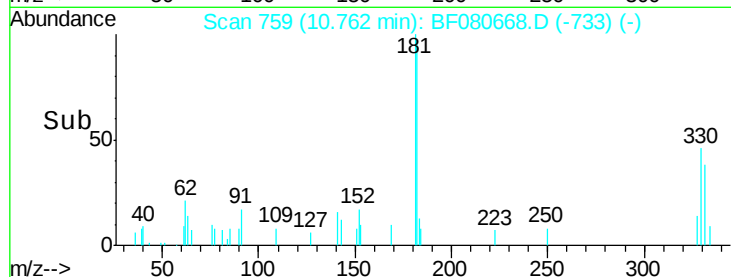
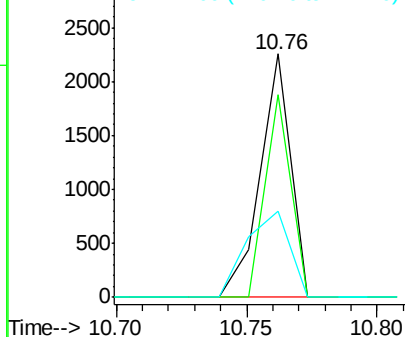
#41  
 2,4,6-Tribromophenol  
 Concen: 2.95 ng  
 RT: 10.76 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: BF080668.D  
 Acq: 25 Jul 2015 13:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-03-003-B

Tgt Ion:330 Resp: 1850  
 Ion Ratio Lower Upper  
 330 100  
 332 69.7 76.7 115.1#  
 141 50.3 32.7 49.1#

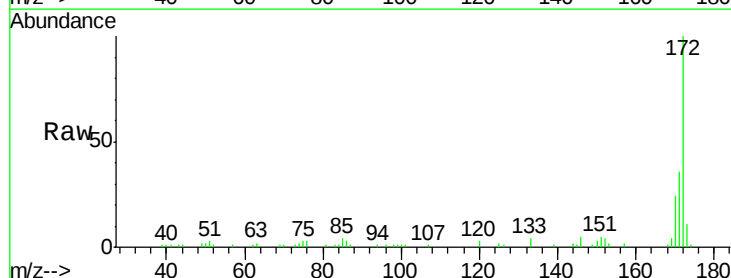


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

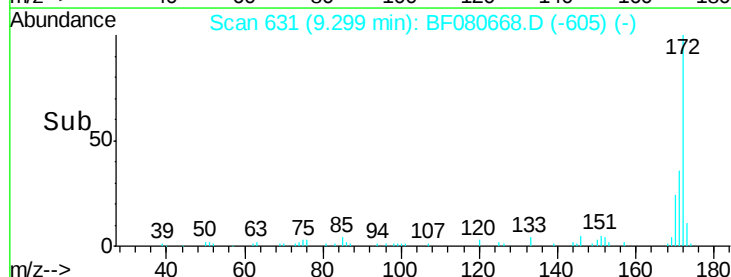
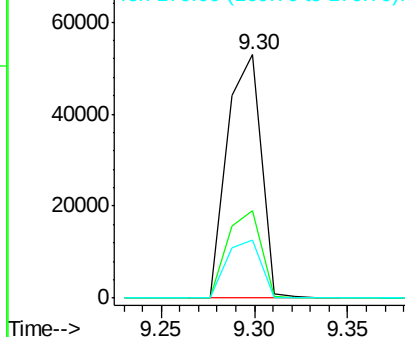


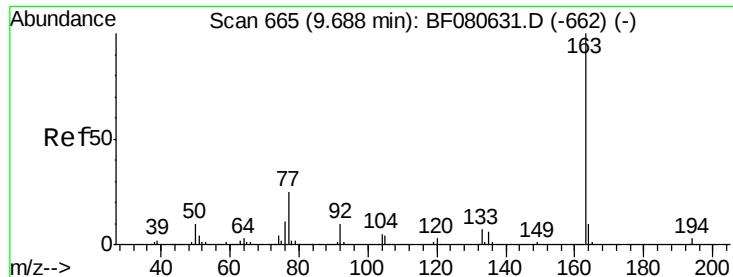
#44  
 2-Fluorobiphenyl  
 Concen: 14.89 ng  
 RT: 9.30 min Scan# 631  
 Delta R.T. 0.00 min  
 Lab File: BF080668.D  
 Acq: 25 Jul 2015 13:43

Tgt Ion:172 Resp: 67428  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 27.7 41.5  
 170 23.9 19.0 28.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.11 ng

RT: 9.69 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

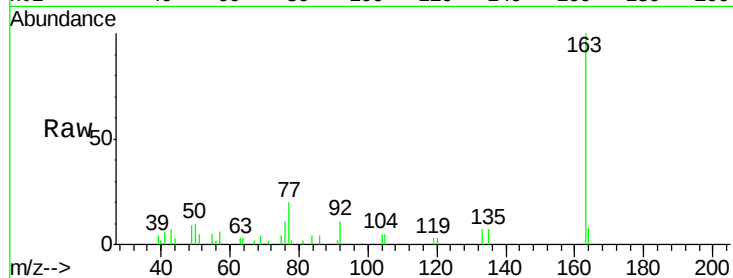
Tgt Ion:163 Resp: 10527

Ion Ratio Lower Upper

163 100

194 0.0 2.5 3.7#

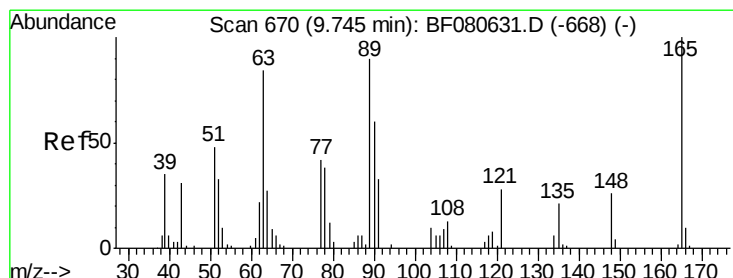
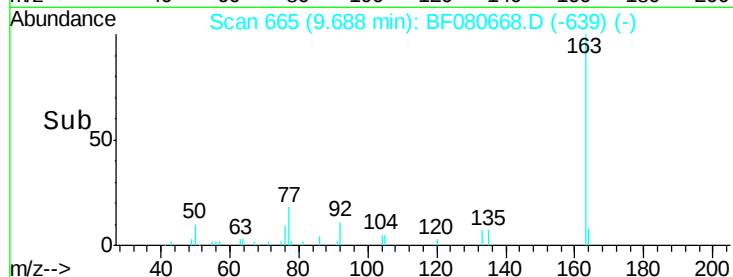
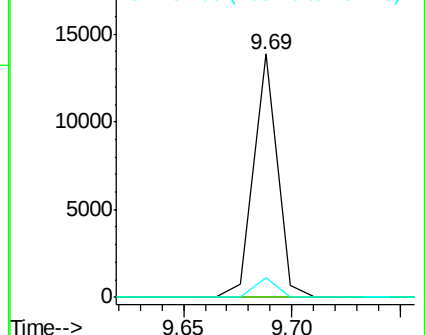
164 7.9 8.0 12.0#



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: 10.42 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.23 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

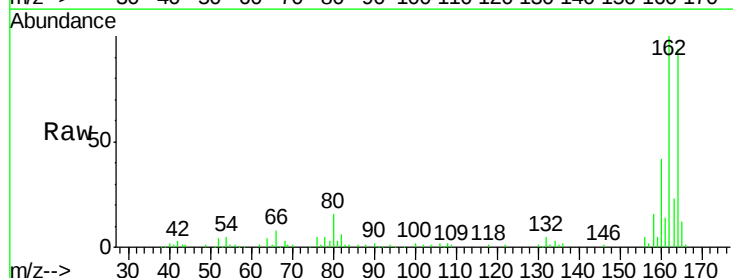
Tgt Ion:165 Resp: 9293

Ion Ratio Lower Upper

165 100

63 0.0 84.0 126.0#

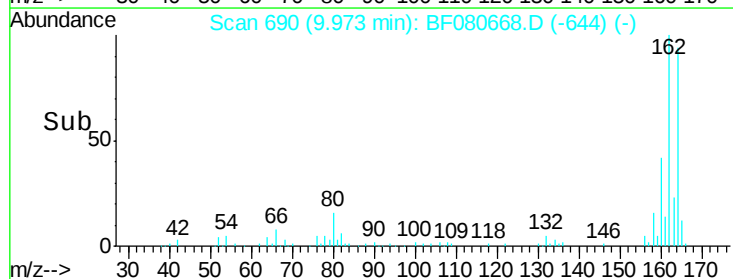
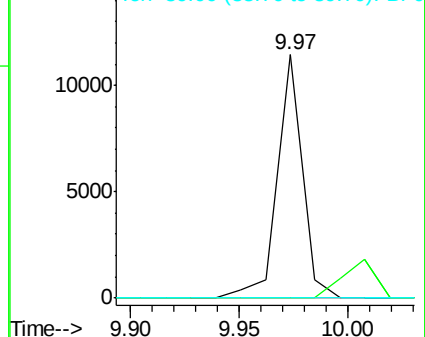
89 0.0 71.7 107.5#

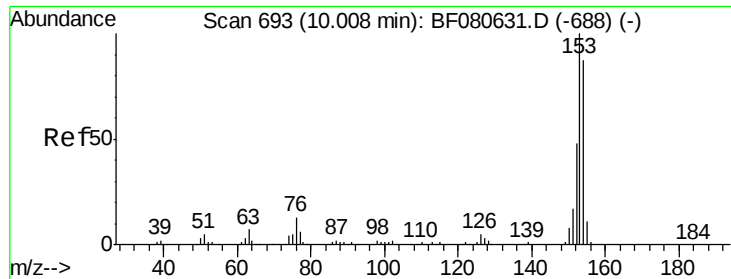


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.78 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

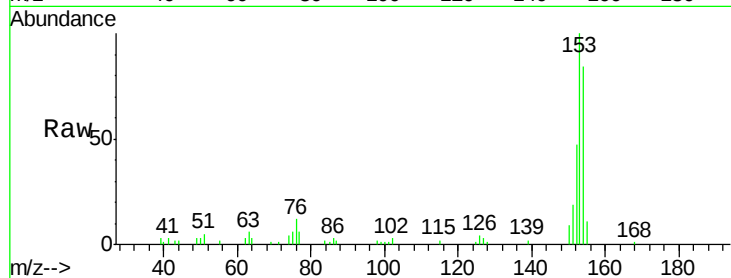
Tgt Ion:154 Resp: 20037

Ion Ratio Lower Upper

154 100

153 118.5 91.6 137.4

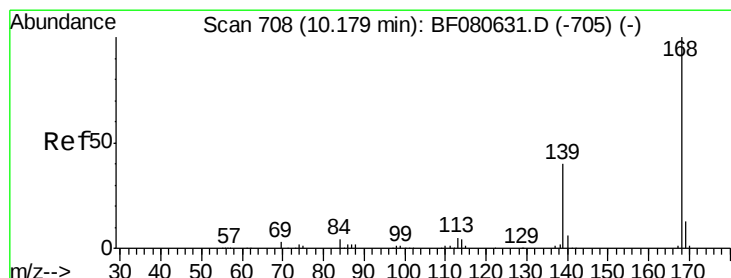
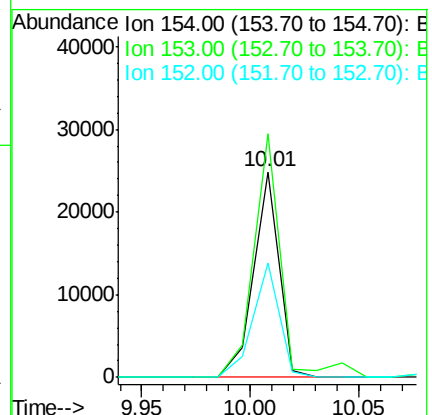
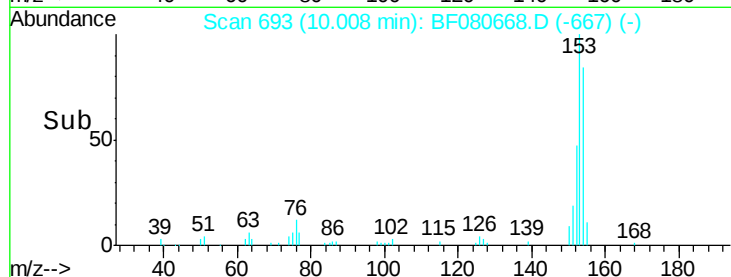
152 55.5 44.0 66.0



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



#54

Dibenzofuran

Concen: 3.30 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

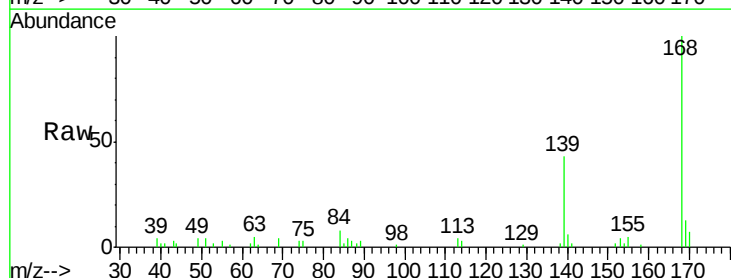
Tgt Ion:168 Resp: 19770

Ion Ratio Lower Upper

168 100

139 43.3 32.2 48.4

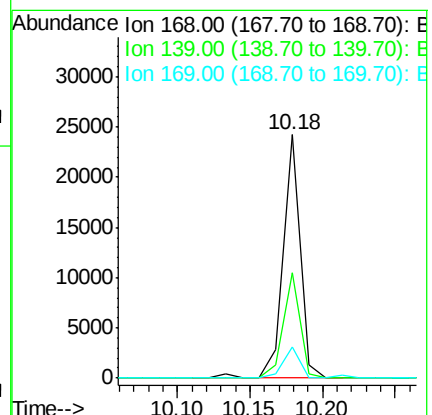
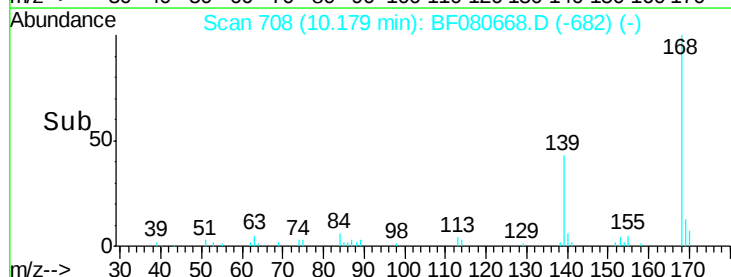
169 12.9 10.2 15.2

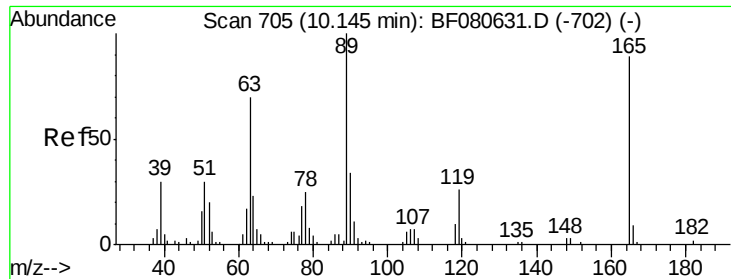


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

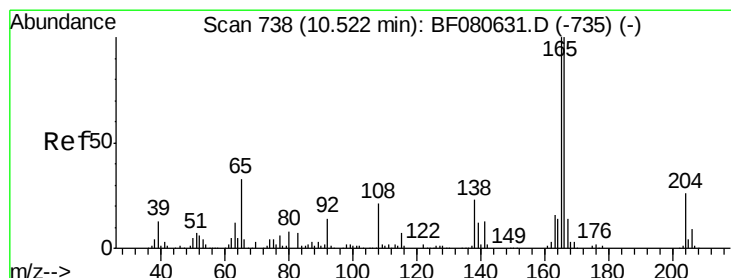
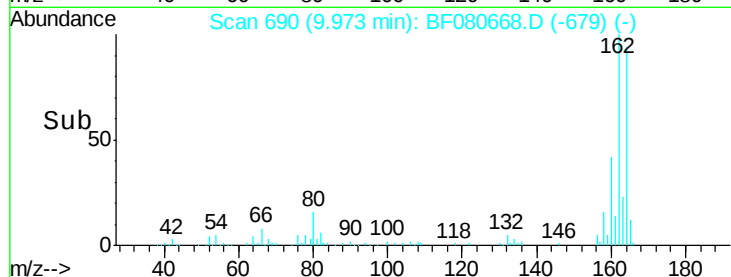
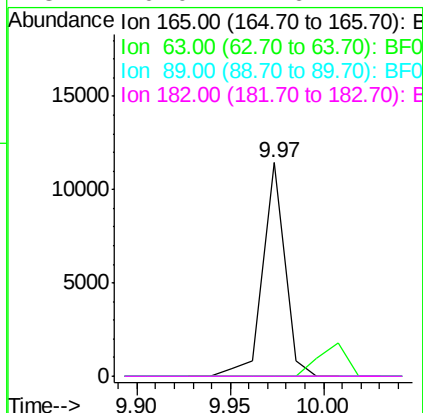
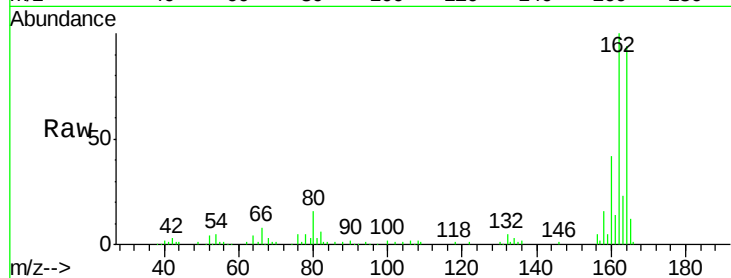




#56  
2,4-Dinitrotoluene  
Concen: 7.88 ng  
RT: 9.97 min Scan# 690  
Delta R.T. -0.17 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

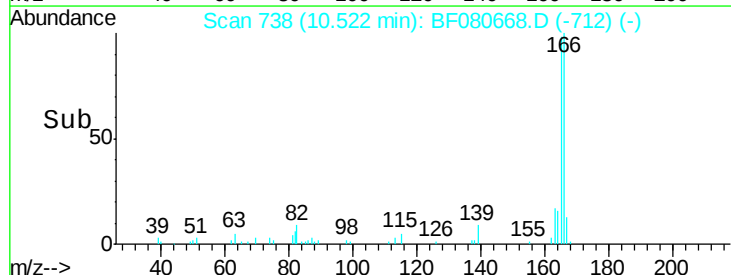
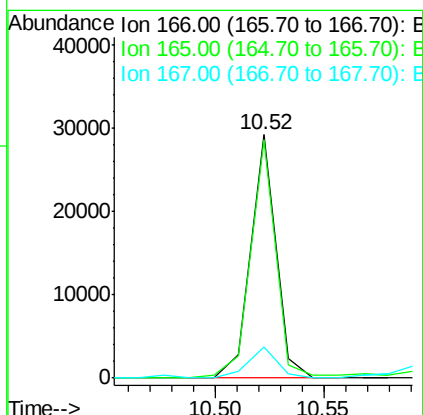
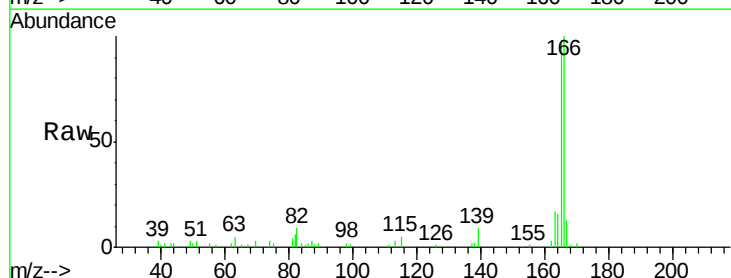
Instrument :  
BNA\_F  
ClientSampleId :  
FK-SF-03-003-B

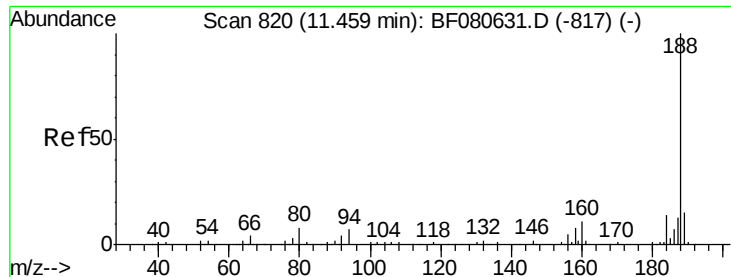
Tgt Ion:165 Resp: 9291  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.0 94.4#  
89 0.0 90.2 135.2#  
182 0.0 1.6 2.4#



#57  
Fluorene  
Concen: 5.00 ng  
RT: 10.52 min Scan# 738  
Delta R.T. 0.00 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Tgt Ion:166 Resp: 23569  
Ion Ratio Lower Upper  
166 100  
165 97.9 80.0 120.0  
167 12.9 10.8 16.2

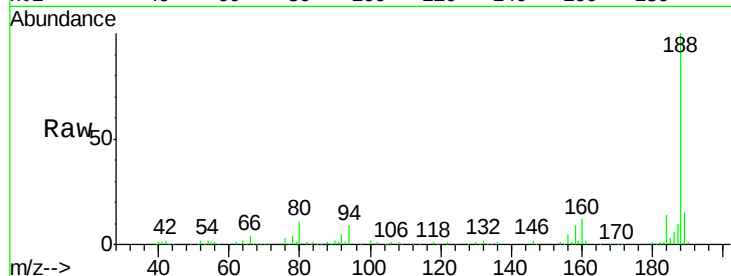




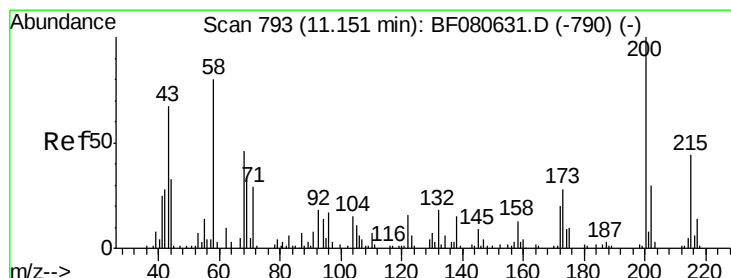
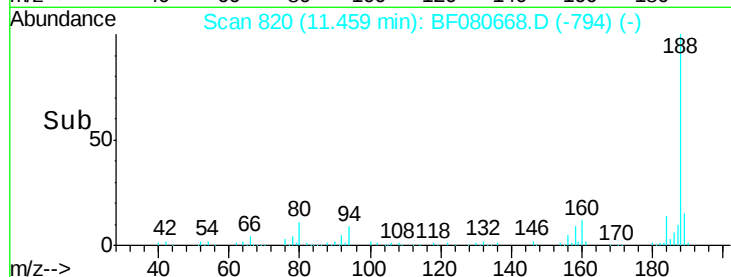
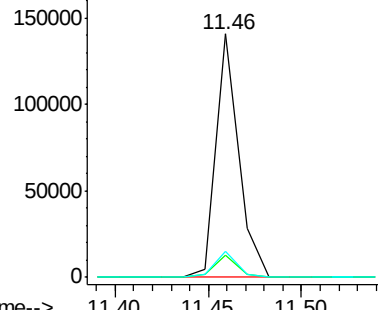
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.46 min Scan# 820  
Delta R.T. 0.00 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Instrument :  
BNA\_F  
ClientSampleId :  
FK-SF-03-003-B

Tgt Ion:188 Resp: 119226  
Ion Ratio Lower Upper  
188 100  
94 9.1 5.6 8.4#  
80 10.6 6.1 9.1#

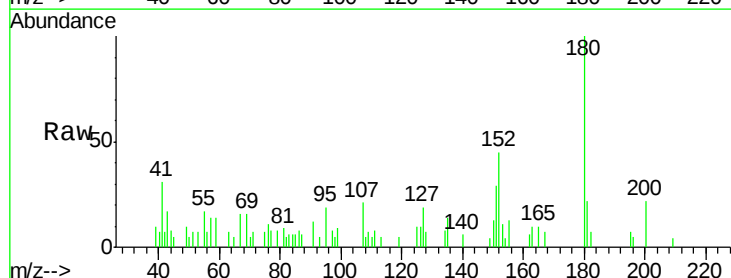


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

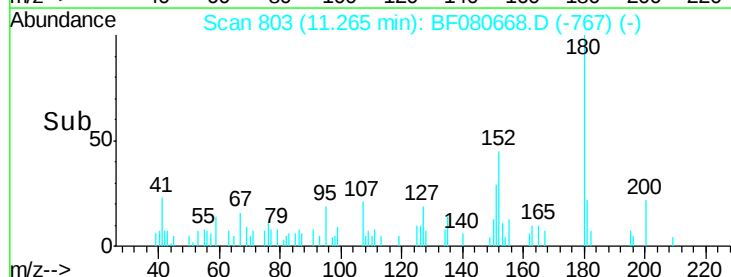
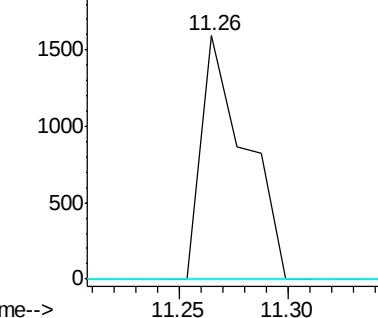


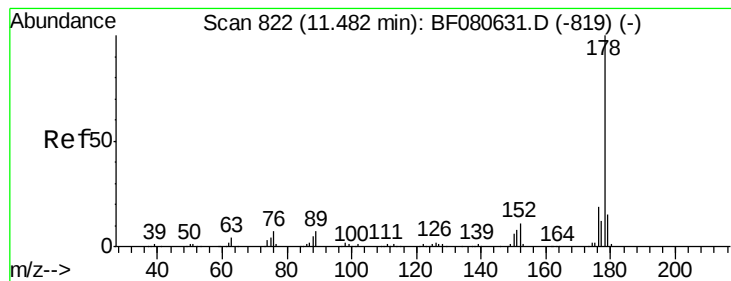
#68  
Atrazine  
Concen: 2.12 ng  
RT: 11.26 min Scan# 803  
Delta R.T. 0.11 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Tgt Ion:200 Resp: 2253  
Ion Ratio Lower Upper  
200 100  
173 0.0 8.6 48.6#  
215 0.0 24.1 64.1#



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





#70

Phenanthrene

Concen: 34.48 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

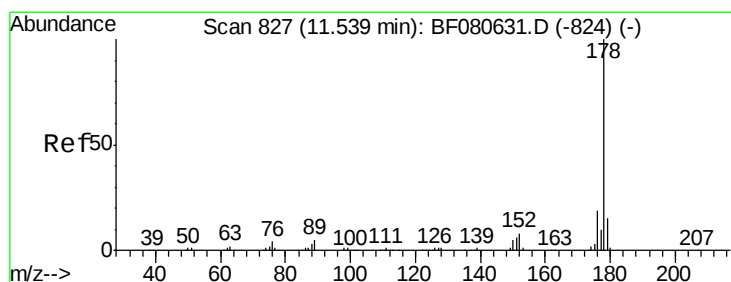
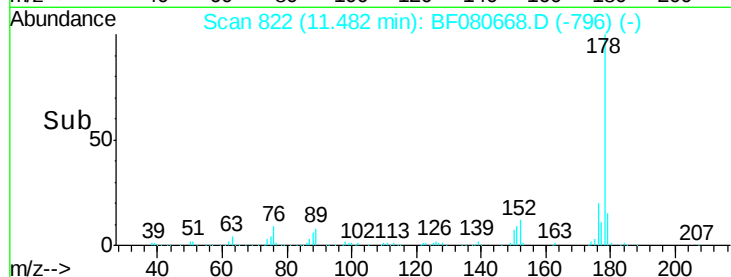
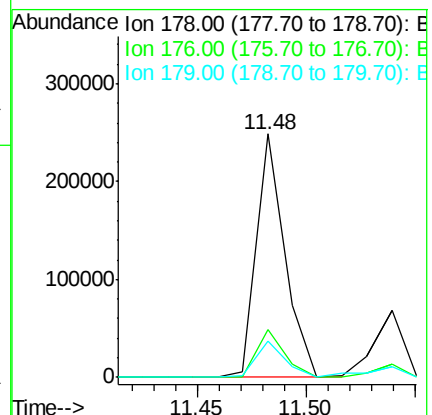
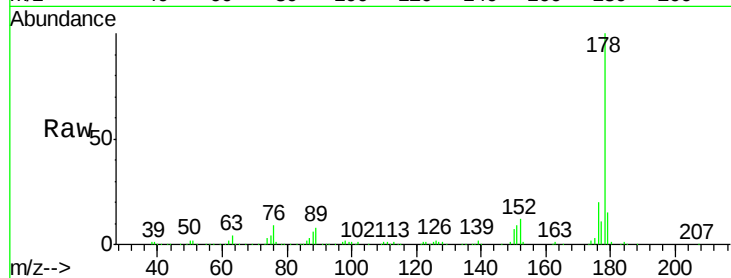
Tgt Ion:178 Resp: 226927

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.0 11.8 17.8



#71

Anthracene

Concen: 10.26 ng

RT: 11.54 min Scan# 827

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

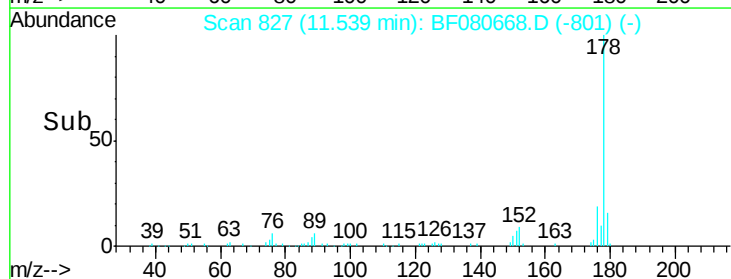
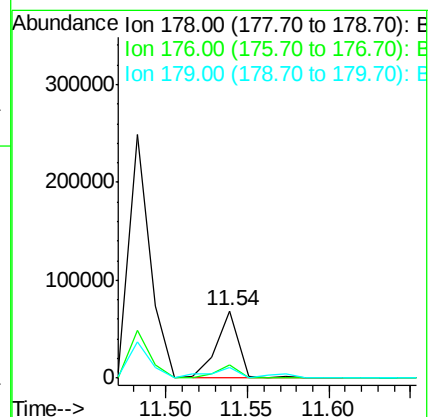
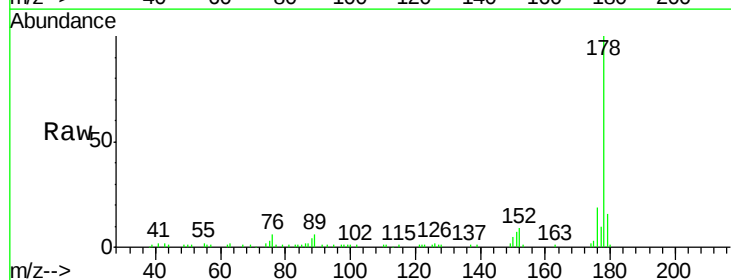
Tgt Ion:178 Resp: 65126

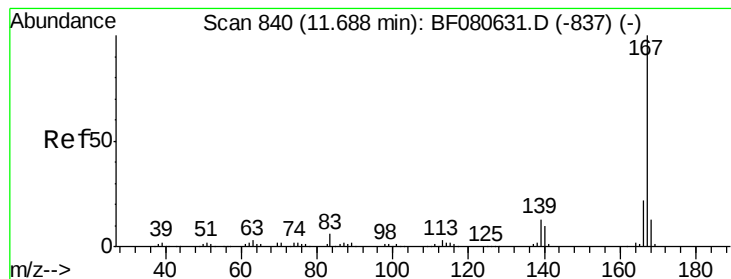
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 16.2 12.1 18.1





#72

Carbazole

Concen: 4.61 ng

RT: 11.69 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

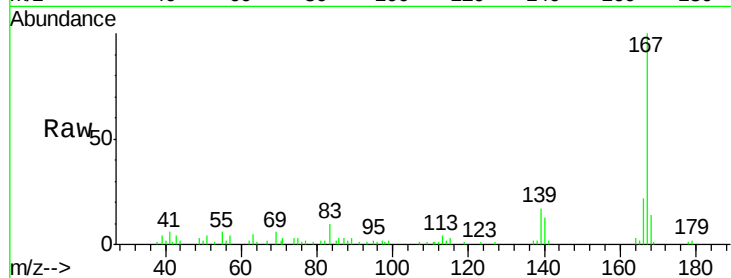
Tgt Ion:167 Resp: 26484

Ion Ratio Lower Upper

167 100

166 21.9 17.9 26.9

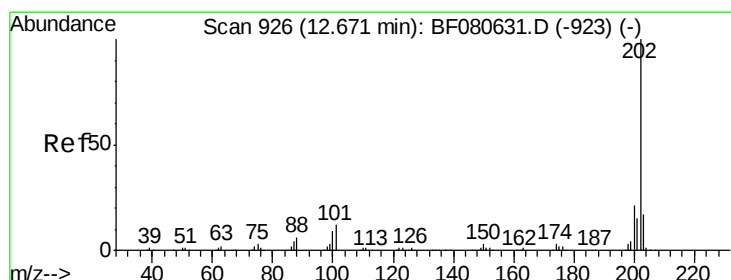
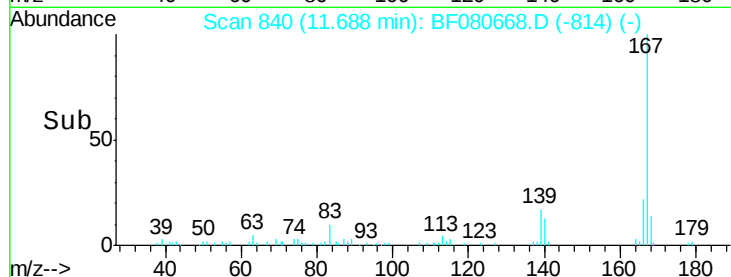
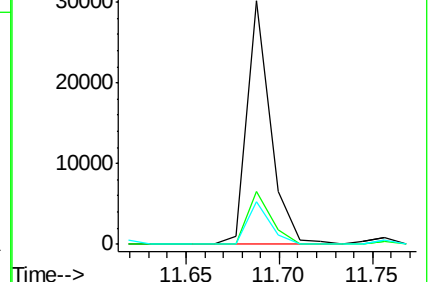
139 17.3 10.6 15.8#



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



#74

Fluoranthene

Concen: 47.61 ng

RT: 12.71 min Scan# 929

Delta R.T. 0.03 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

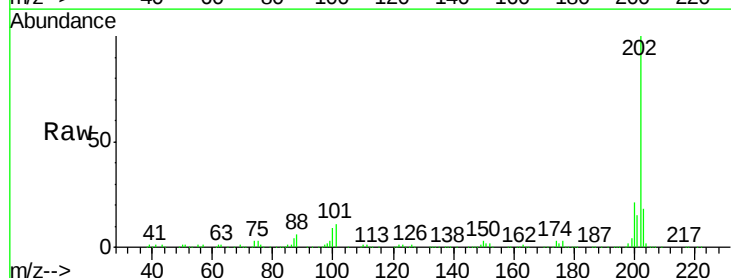
Tgt Ion:202 Resp: 302833

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.0

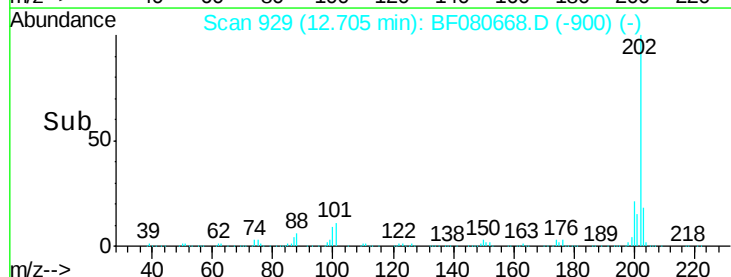
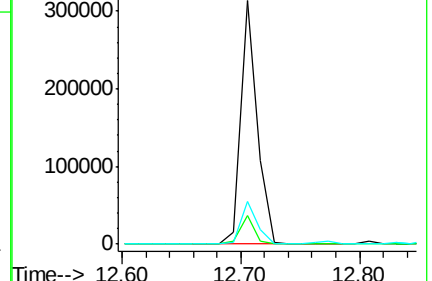
203 17.6 0.0 37.0

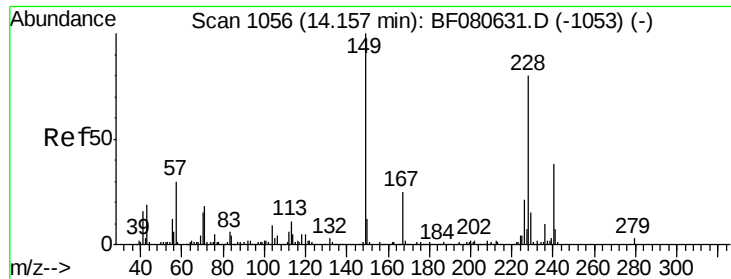


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

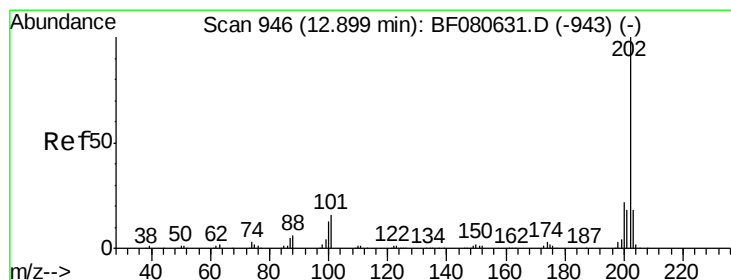
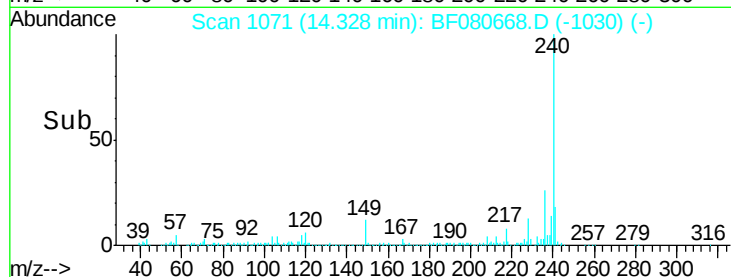
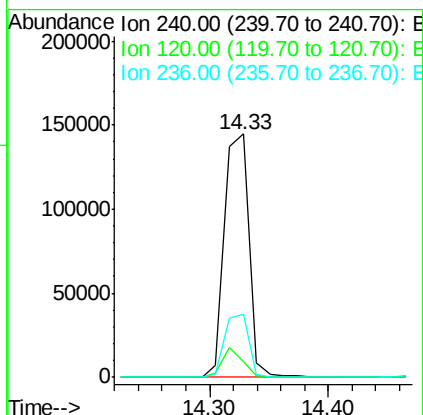
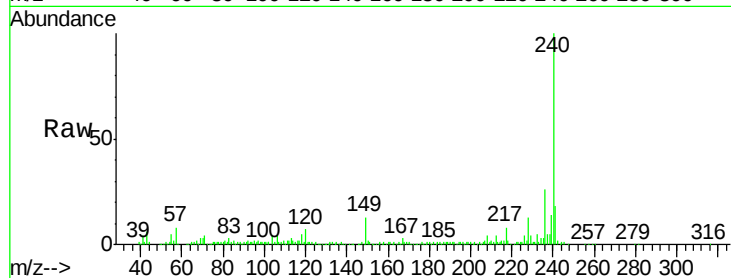




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.33 min Scan# 1071  
Delta R.T. 0.17 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

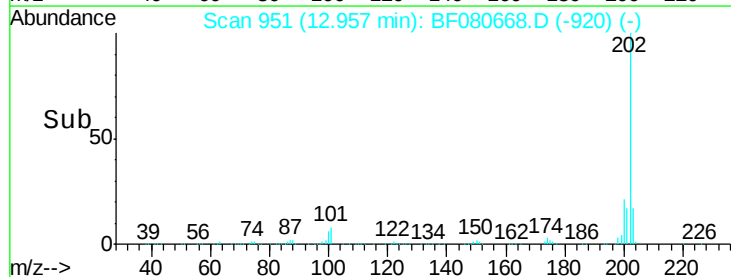
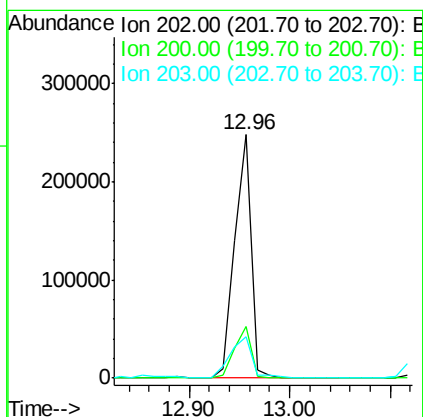
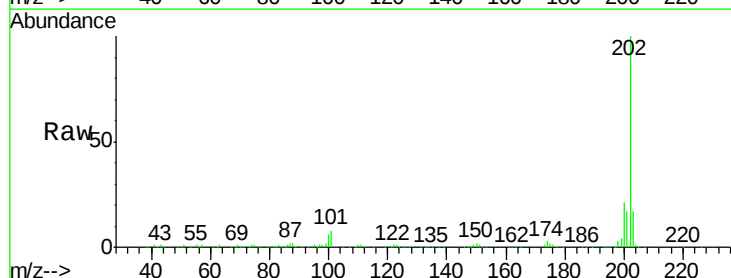
Instrument :  
BNA\_F  
ClientSampleId :  
FK-SF-03-003-B

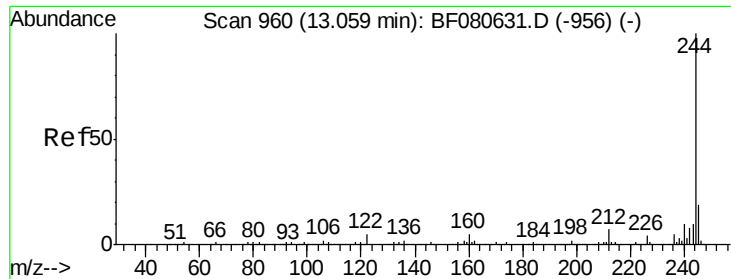
Tgt Ion:240 Resp: 207424  
Ion Ratio Lower Upper  
240 100  
120 6.6 10.8 16.2#  
236 25.9 20.3 30.5



#77  
Pyrene  
Concen: 21.80 ng  
RT: 12.96 min Scan# 951  
Delta R.T. 0.06 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Tgt Ion:202 Resp: 283158  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.4 26.0  
203 17.0 14.6 22.0

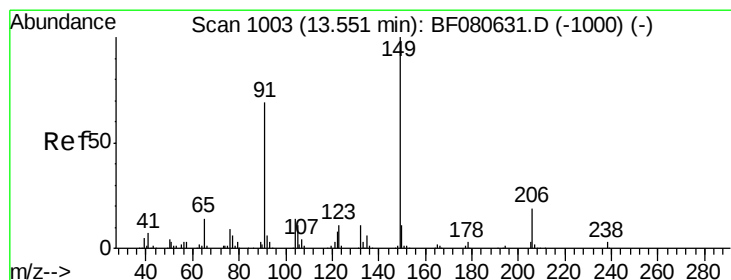
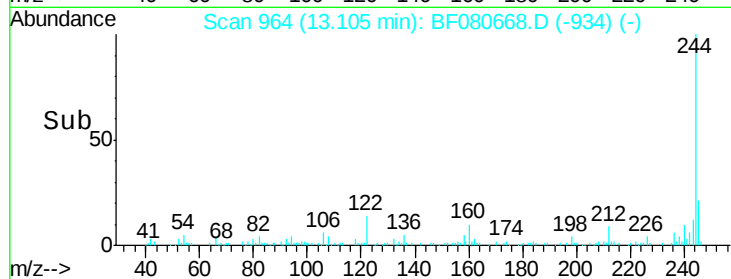
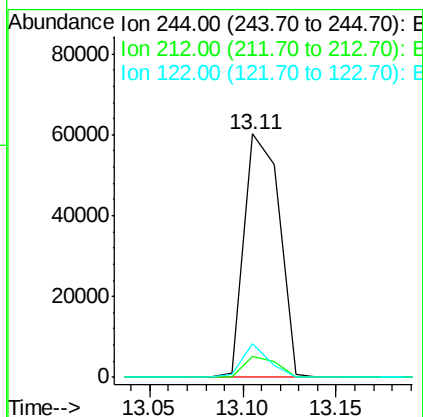
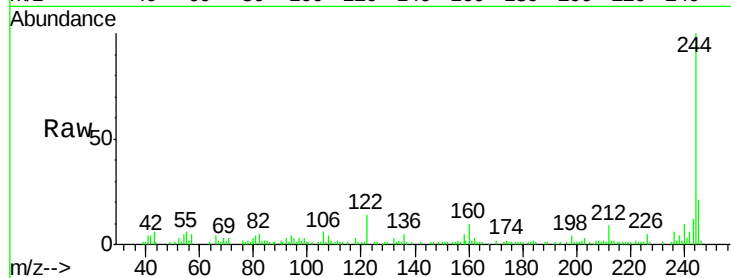




#78  
 Terphenyl-d14  
 Concen: 8.17 ng  
 RT: 13.11 min Scan# 964  
 Delta R.T. 0.05 min  
 Lab File: BF080668.D  
 Acq: 25 Jul 2015 13:43

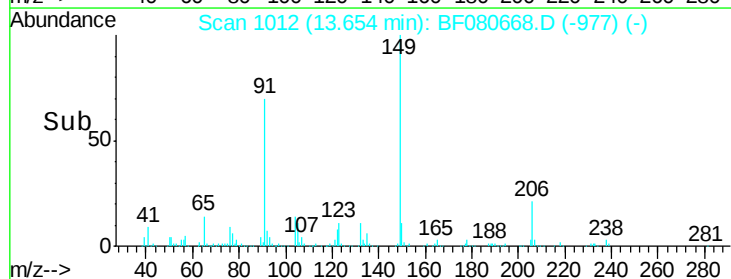
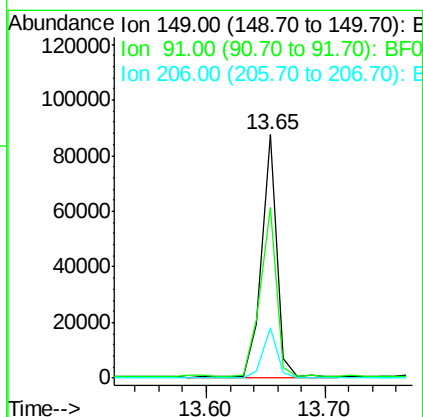
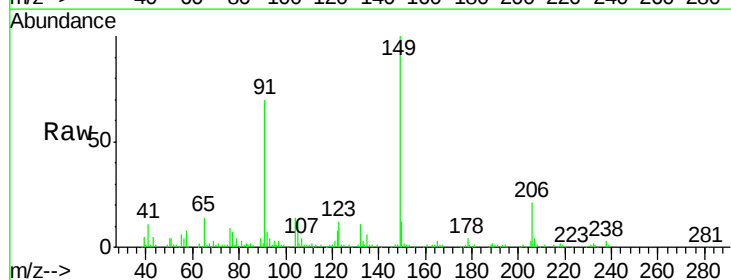
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-03-003-B

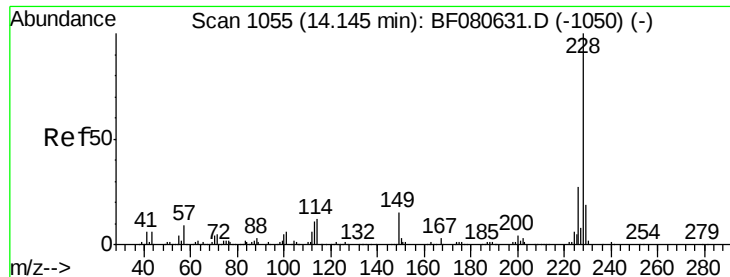
Tgt Ion: 244 Resp: 78719  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 5.2 7.8#  
 122 14.1 4.1 6.1#



#79  
 Butylbenzylphthalate  
 Concen: 14.09 ng  
 RT: 13.65 min Scan# 1012  
 Delta R.T. 0.10 min  
 Lab File: BF080668.D  
 Acq: 25 Jul 2015 13:43

Tgt Ion: 149 Resp: 79146  
 Ion Ratio Lower Upper  
 149 100  
 91 70.2 55.0 82.4  
 206 20.8 15.0 22.6





#80

Benzo(a)anthracene

Concen: 15.96 ng

RT: 14.31 min Scan# 1069

Delta R.T. 0.16 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

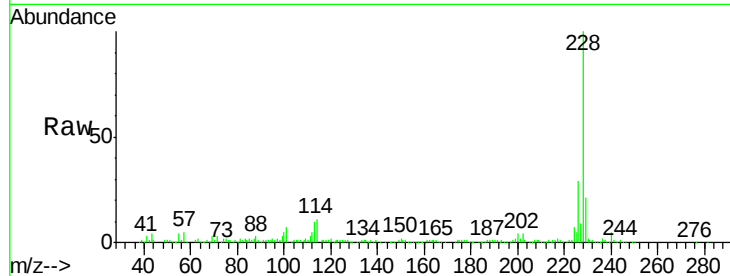
Tgt Ion:228 Resp: 194206

Ion Ratio Lower Upper

228 100

226 29.1 21.4 32.0

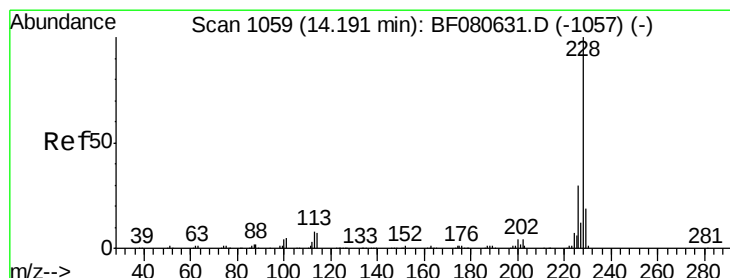
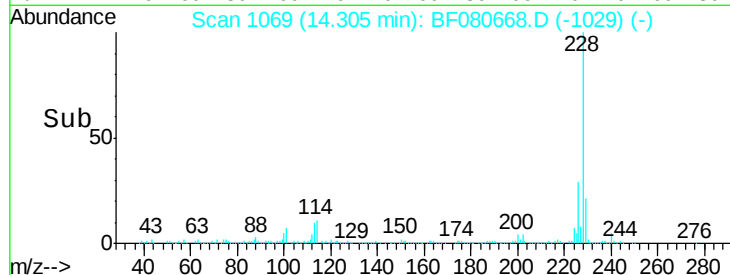
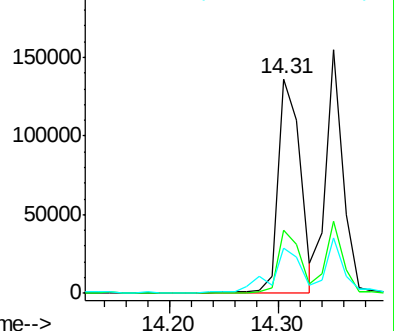
229 20.9 15.4 23.0



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



#82

Chrysene

Concen: 14.98 ng

RT: 14.35 min Scan# 1073

Delta R.T. 0.16 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

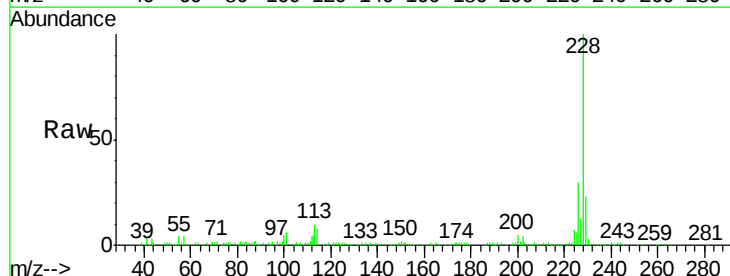
Tgt Ion:228 Resp: 170824

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

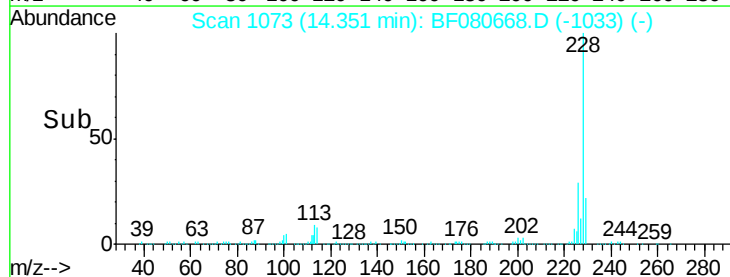
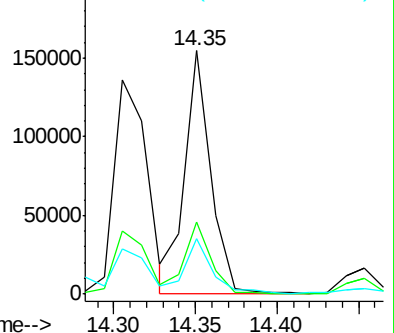
229 22.8 15.4 23.2

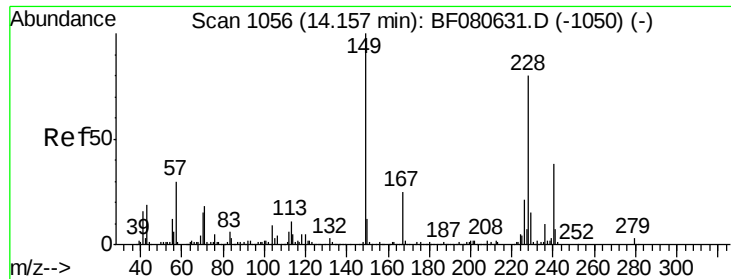


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.35 ng

RT: 14.33 min Scan# 1071

Delta R.T. 0.17 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

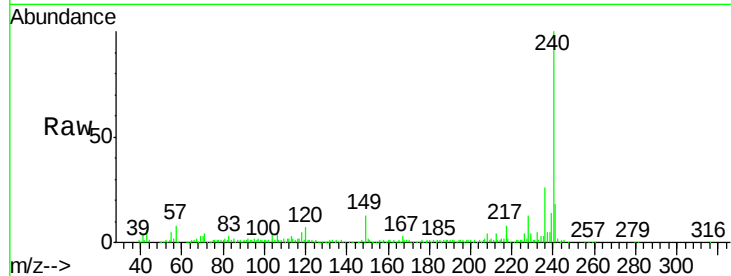
BNA\_F

ClientSampleId :

FK-SF-03-003-B

Tgt Ion:149 Resp: 19936

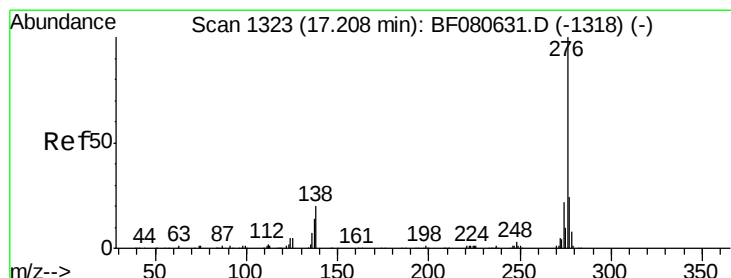
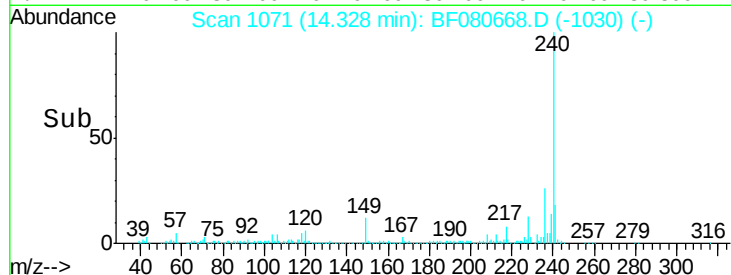
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 22.8  | 19.7  | 29.5  |
| 279 | 3.2   | 2.2   | 3.4   |



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.37 ng

RT: 17.55 min Scan# 1353

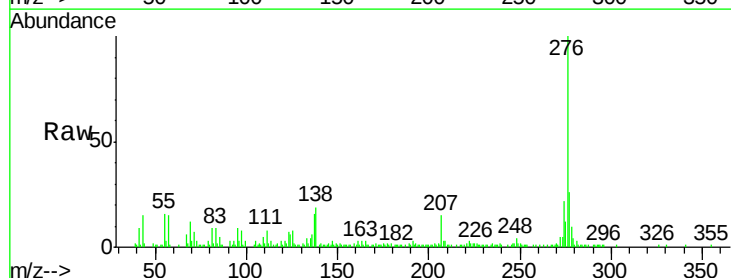
Delta R.T. 0.34 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Tgt Ion:276 Resp: 99753

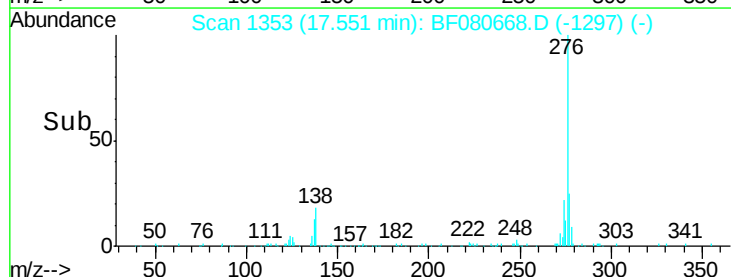
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 19.8  | 17.5  | 26.3  |
| 277 | 28.1  | 19.8  | 29.6  |

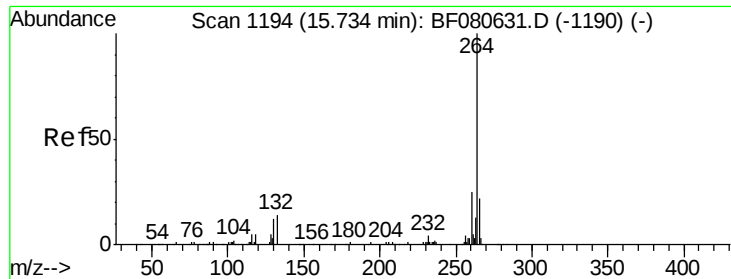


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



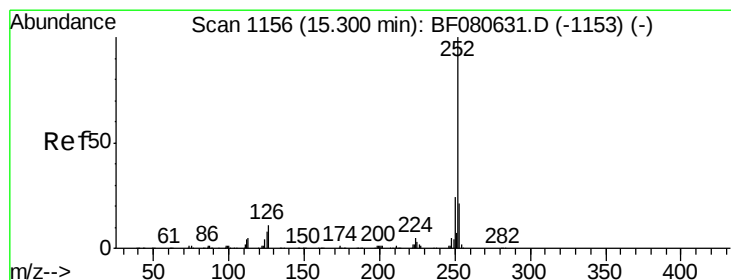
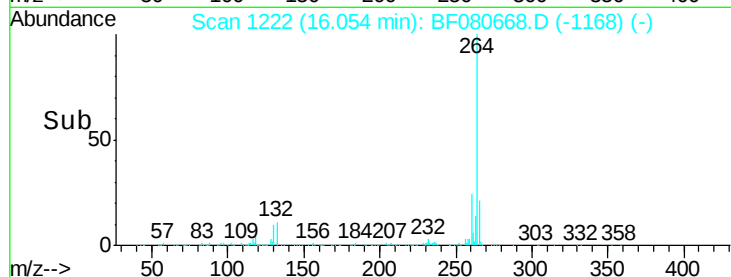
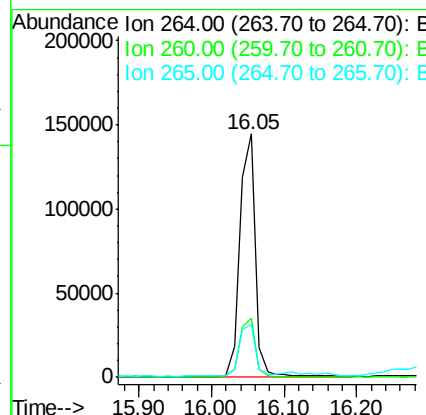
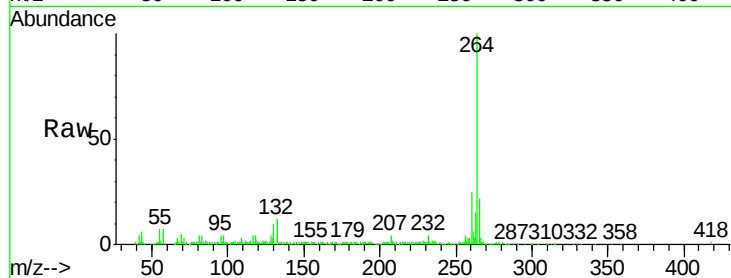


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.05 min Scan# 1222  
Delta R.T. 0.32 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Instrument :  
BNA\_F  
ClientSampleId :  
FK-SF-03-003-B

Tgt Ion: 264 Resp: 215408  

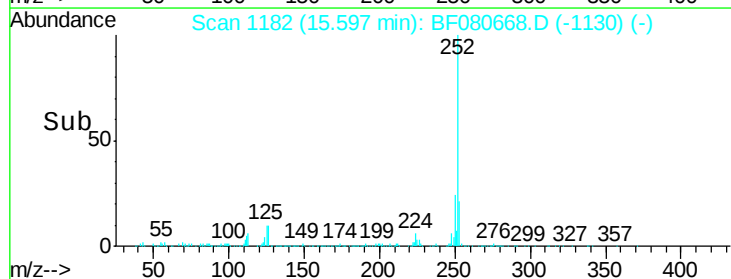
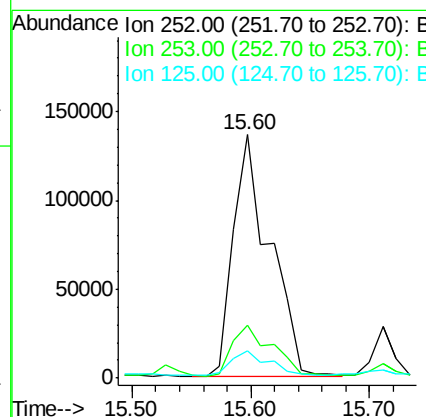
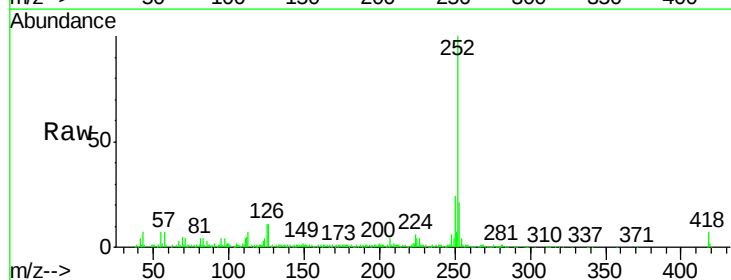
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 20.1  | 30.1  |
| 265 | 21.9  | 17.4  | 26.0  |

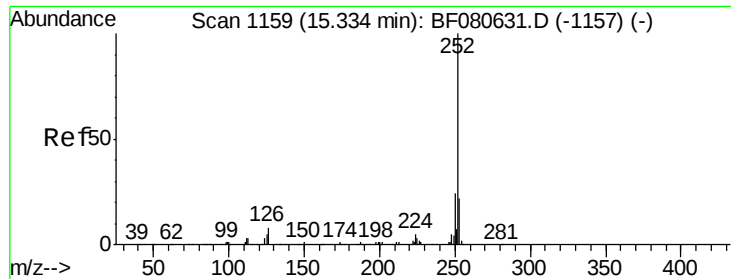


#87  
Benzo(b)fluoranthene  
Concen: 22.39 ng  
RT: 15.60 min Scan# 1182  
Delta R.T. 0.30 min  
Lab File: BF080668.D  
Acq: 25 Jul 2015 13:43

Tgt Ion: 252 Resp: 292341  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.5  | 17.1  | 25.7  |
| 125 | 11.0  | 6.5   | 9.7#  |





#88

Benzo(k)fluoranthene

Concen: 25.00 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.26 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

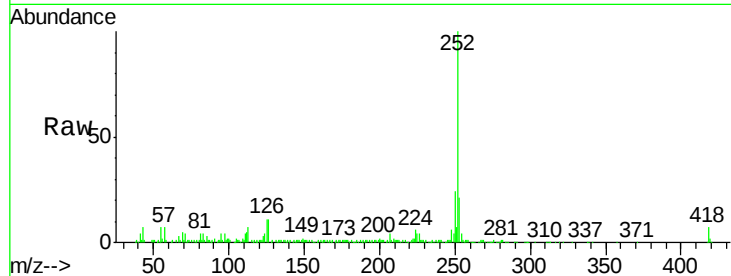
Tgt Ion:252 Resp: 292341

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

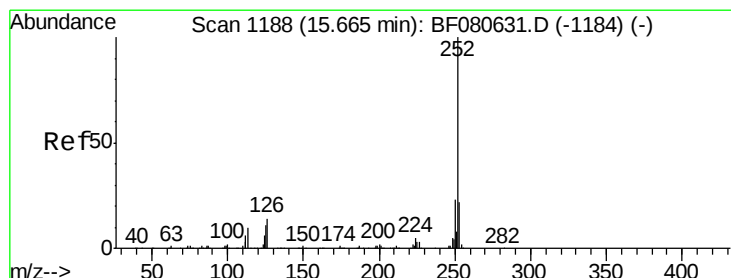
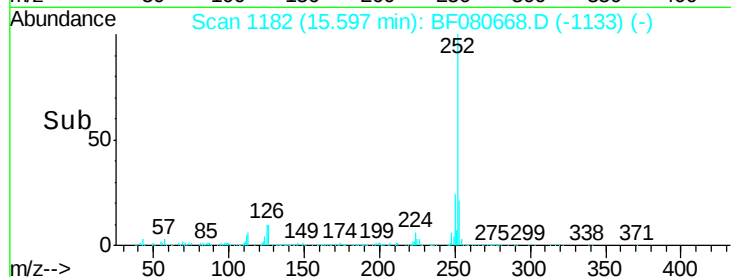
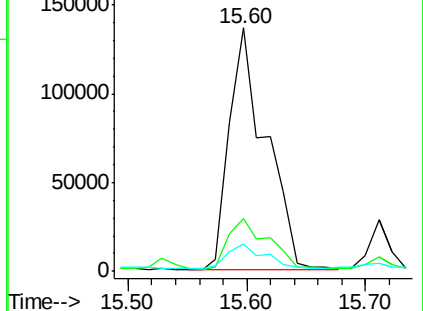
125 11.0 4.6 6.8#



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: 13.41 ng

RT: 15.99 min Scan# 1216

Delta R.T. 0.32 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

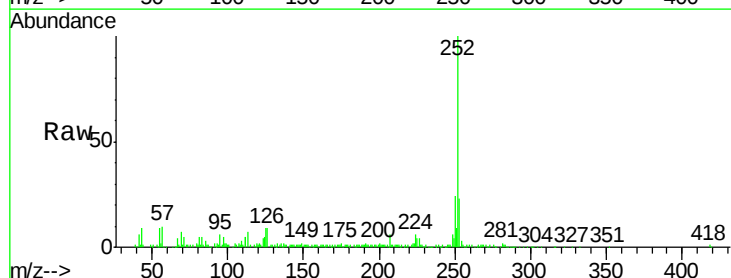
Tgt Ion:252 Resp: 157529

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

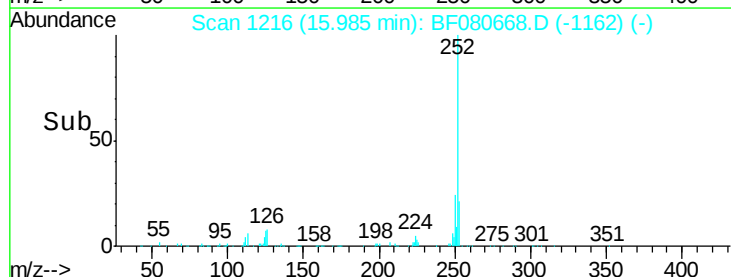
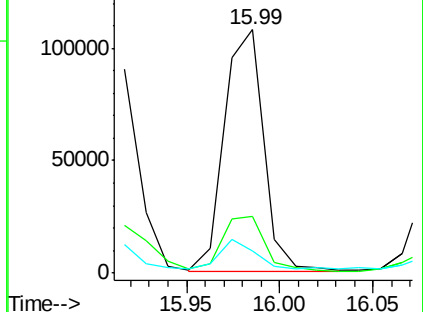
125 9.0 9.1 13.7#

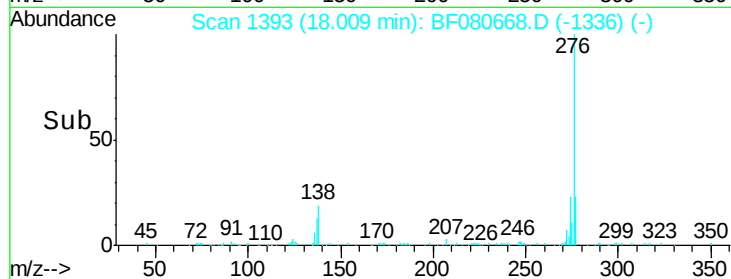
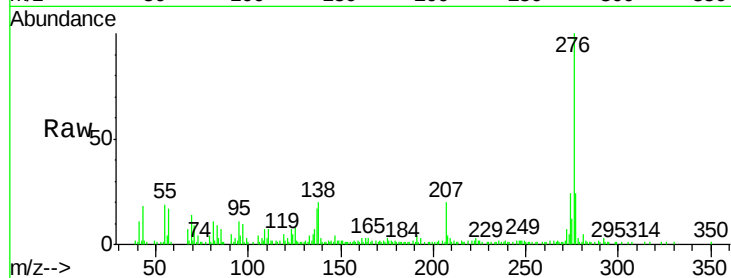
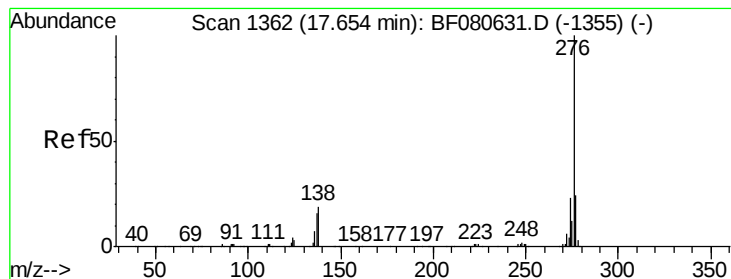


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.16 ng

RT: 18.01 min Scan# 1393

Delta R.T. 0.35 min

Lab File: BF080668.D

Acq: 25 Jul 2015 13:43

Instrument :

BNA\_F

ClientSampleId :

FK-SF-03-003-B

Tgt Ion: 276 Resp: 89904

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 20.2 14.8 22.2

