

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012615\  
 Data File : BF077090.D  
 Acq On : 27 Jan 2015 18:11  
 Operator : TP/IZ  
 Sample : G1137-08  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 104B1B

Quant Time: Jan 28 15:25:19 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 28 02:59:18 2015  
 Response via : Initial Calibration

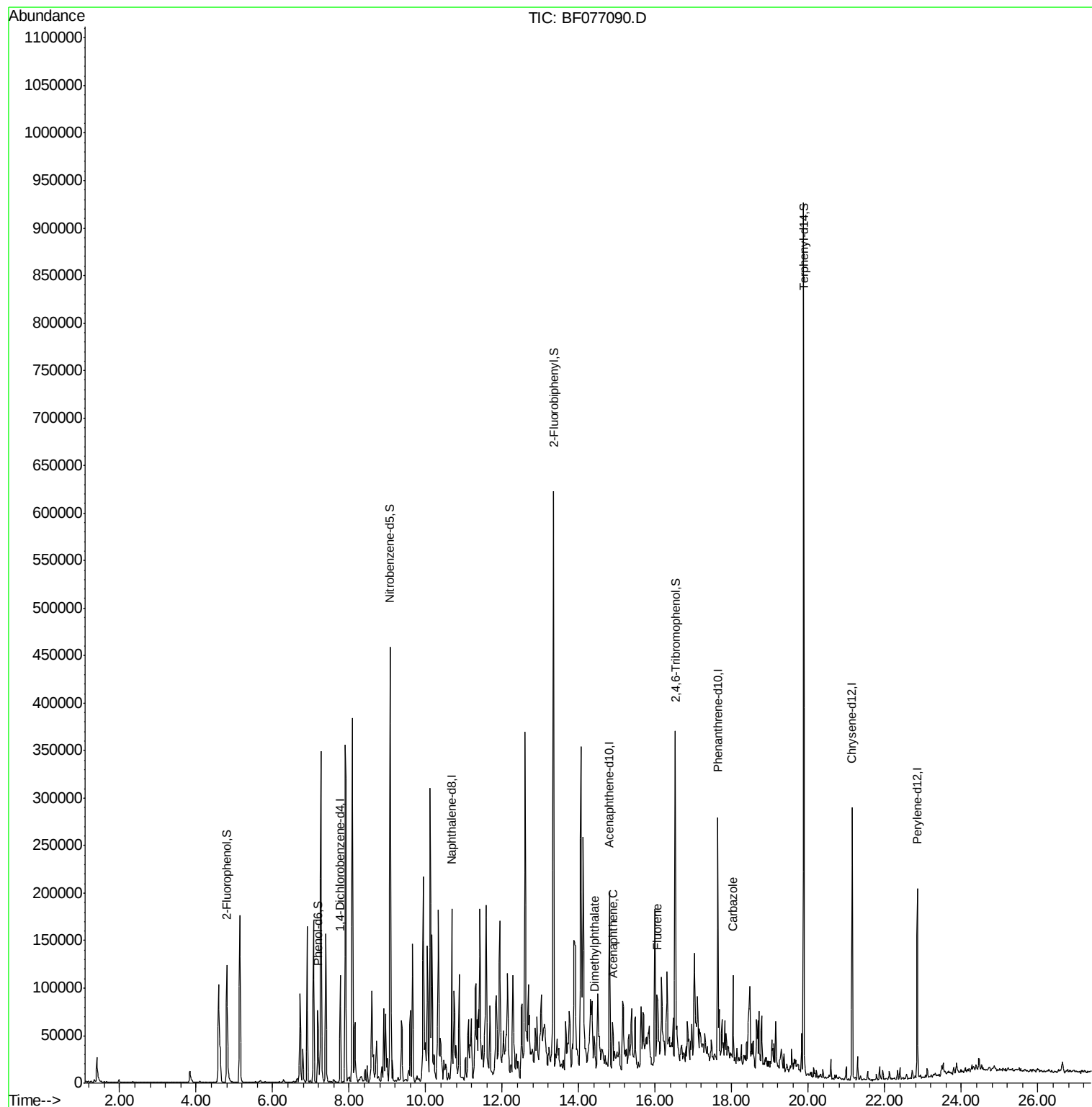
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.76  | 152  | 31298    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.68 | 136  | 126940   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 61077    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.64 | 188  | 110883   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.15 | 240  | 112919   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 22.85 | 264  | 104356   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 4.80  | 112  | 72608    | 38.14  | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 51913    | 21.62  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.06  | 82   | 166388   | 72.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330  | 57337    | 115.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.34 | 172  | 337032   | 83.98  | ng    | 0.01     |
| 78) Terphenyl-d14           | 19.88 | 244  | 341859   | 69.70  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.40 | 163  | 10240    | 2.36   | ng    | # 84     |
| 51) Acenaphthene            | 14.88 | 154  | 13310    | 3.73   | ng    | 95       |
| 57) Fluorene                | 16.05 | 166  | 21915    | 4.98   | ng    | # 97     |
| 72) Carbazole               | 18.04 | 167  | 38121    | 5.83   | ng    | 98       |

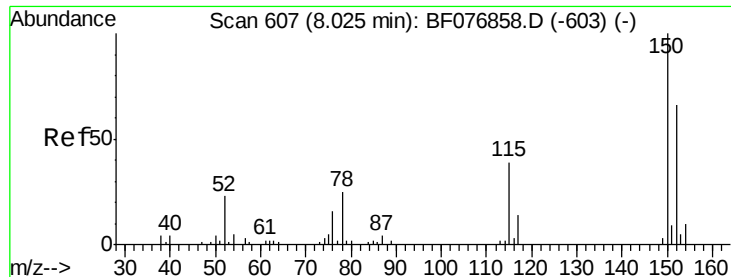
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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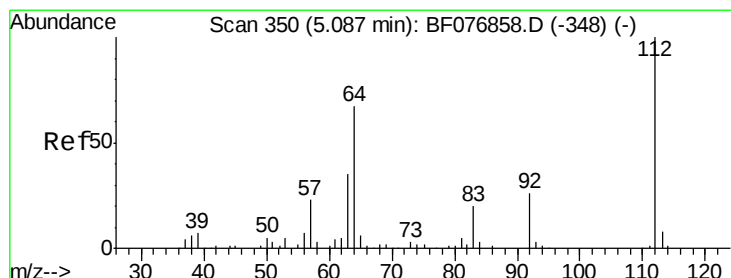
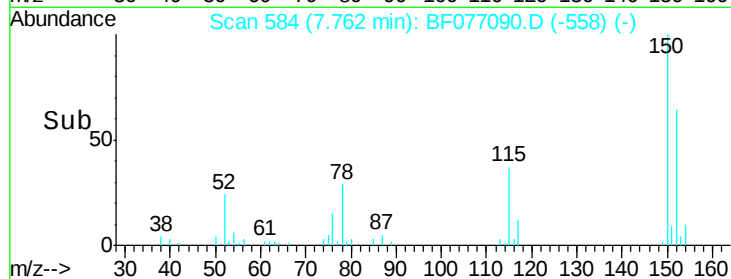
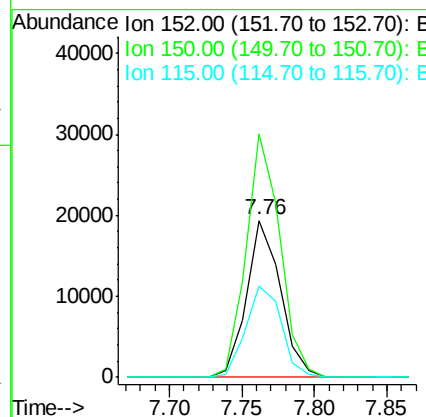
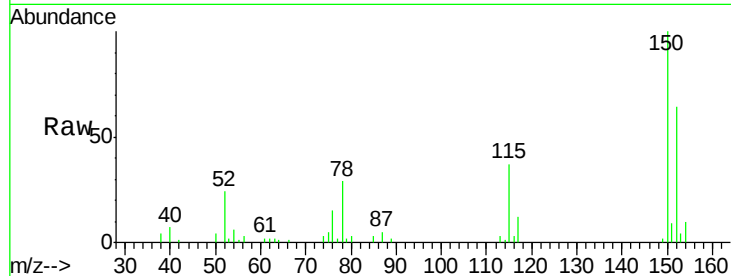




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.76 min Scan# 584  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

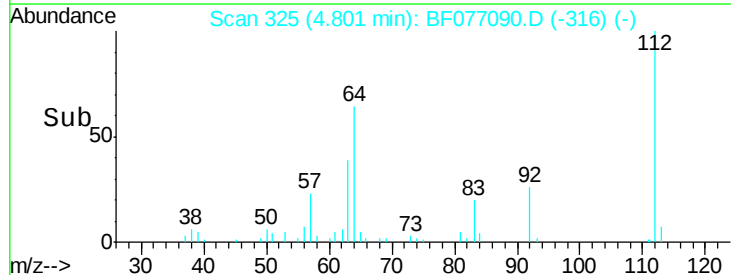
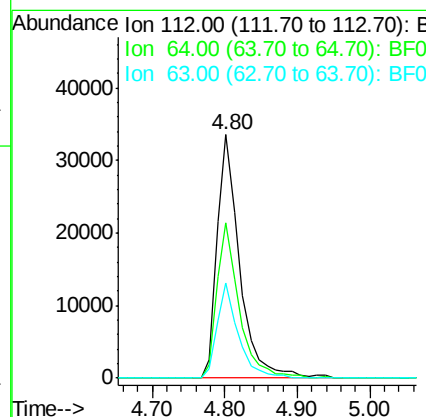
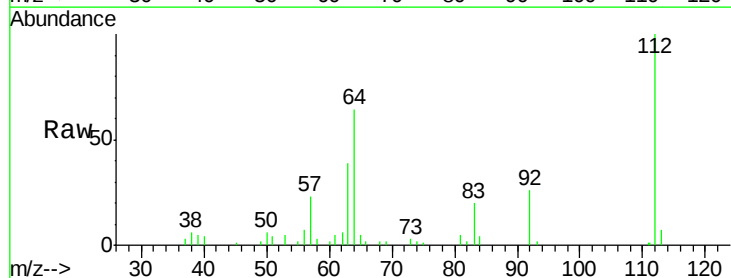
Instrument :  
 BNA\_F  
 ClientSampleId :  
 104B1B

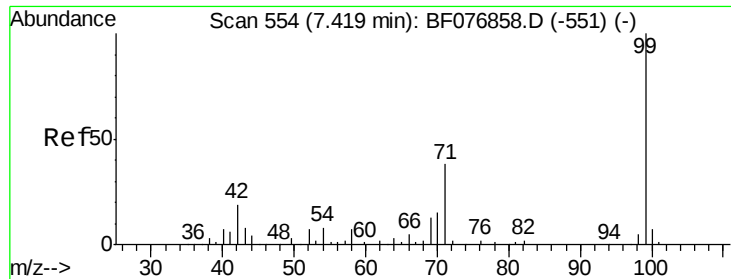
Tgt Ion:152 Resp: 31298  
 Ion Ratio Lower Upper  
 152 100  
 150 155.4 121.7 182.5  
 115 58.0 47.0 70.6



#5  
 2-Fluorophenol  
 Concen: 38.14 ng  
 RT: 4.80 min Scan# 325  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

Tgt Ion:112 Resp: 72608  
 Ion Ratio Lower Upper  
 112 100  
 64 63.9 54.2 81.4  
 63 39.2 28.4 42.6





#7

Phenol-d6

Concen: 21.62 ng

RT: 7.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

Instrument :

BNA\_F

ClientSampleId :

104B1B

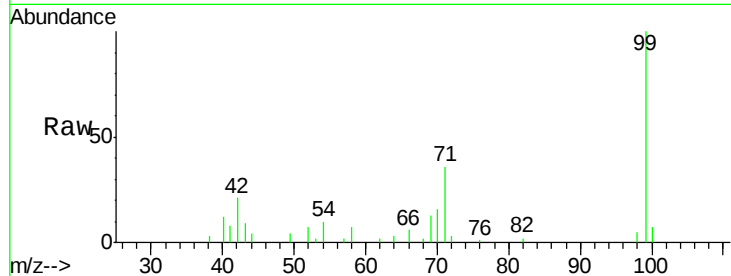
Tgt Ion: 99 Resp: 51913

Ion Ratio Lower Upper

99 100

42 21.3 15.0 22.4

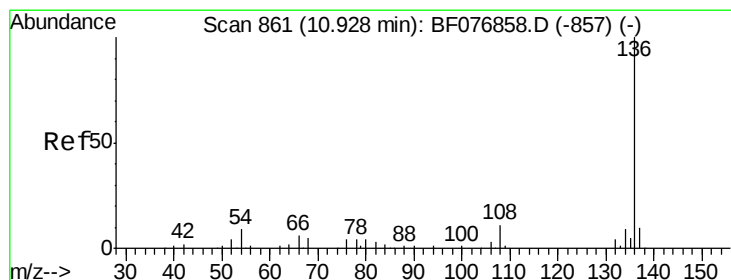
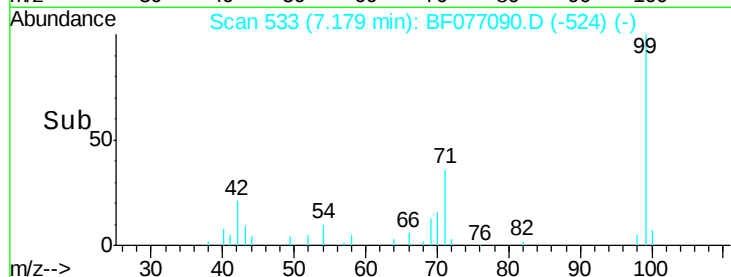
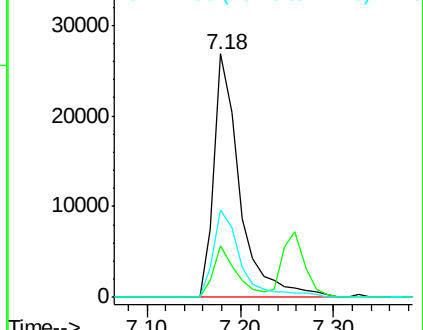
71 35.8 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF076858.D (-551) (-)

Ion 42.00 (41.70 to 42.70): BF076858.D (-551) (-)

Ion 71.00 (70.70 to 71.70): BF076858.D (-551) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

Tgt Ion: 136 Resp: 126940

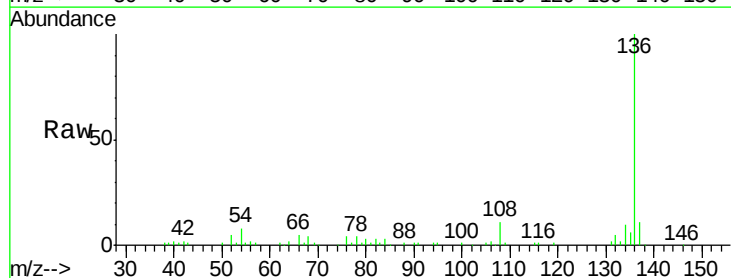
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 7.9 7.0 10.4

68 4.2 3.7 5.5

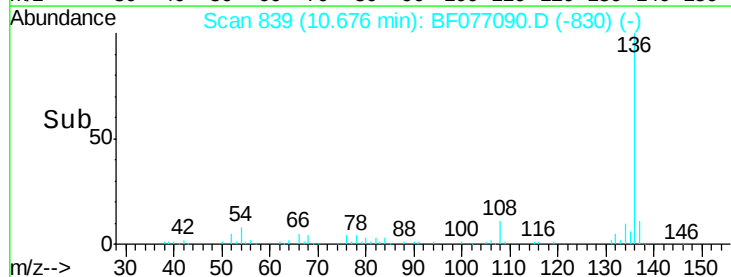
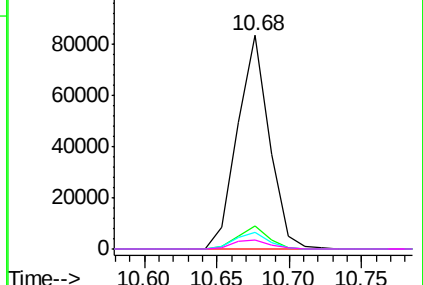


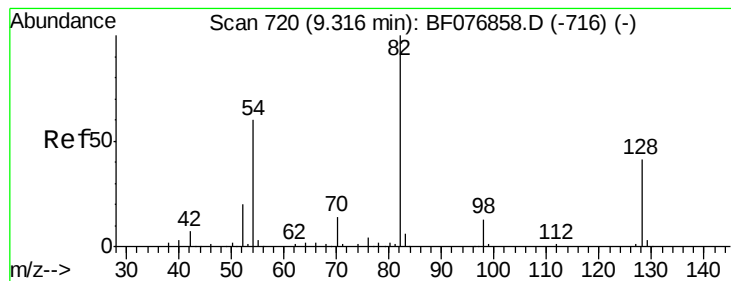
Abundance Ion 136.00 (135.70 to 136.70): BF076858.D (-857) (-)

Ion 137.00 (136.70 to 137.70): BF076858.D (-857) (-)

Ion 54.00 (53.70 to 54.70): BF076858.D (-857) (-)

Ion 68.00 (67.70 to 68.70): BF076858.D (-857) (-)





#23

Nitrobenzene-d5

Concen: 72.62 ng

RT: 9.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

Instrument :

BNA\_F

ClientSampleId :

104B1B

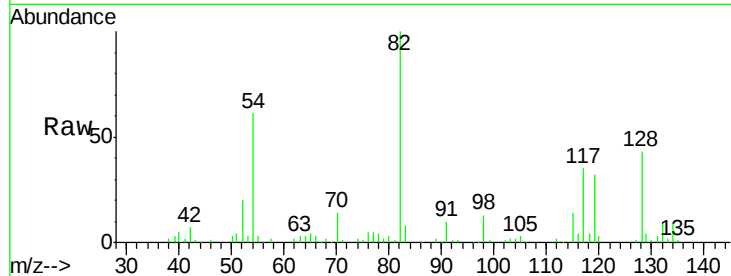
Tgt Ion: 82 Resp: 166388

Ion Ratio Lower Upper

82 100

128 43.1 33.1 49.7

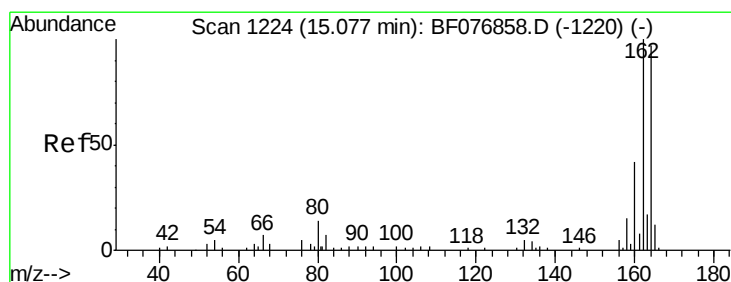
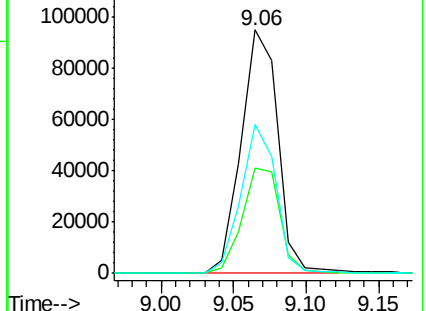
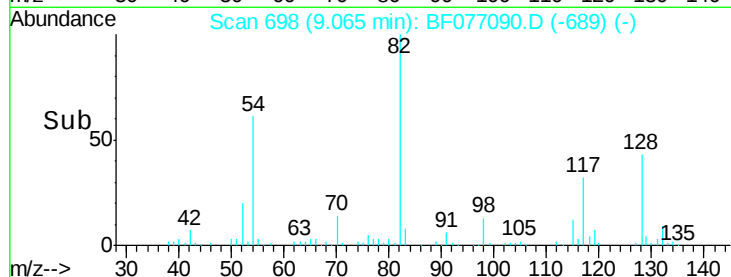
54 61.2 48.3 72.5



Abundance Ion 82.00 (81.70 to 82.70): BF076858.D (-716) (-)

Ion 128.00 (127.70 to 128.70): BF076858.D (-716) (-)

Ion 54.00 (53.70 to 54.70): BF076858.D (-716) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

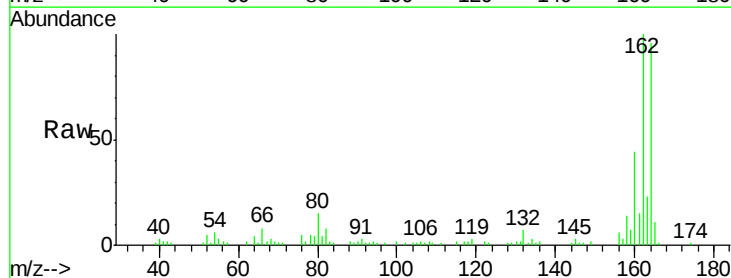
Tgt Ion: 164 Resp: 61077

Ion Ratio Lower Upper

164 100

162 104.2 82.4 123.6

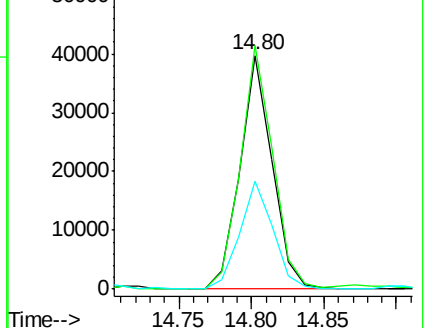
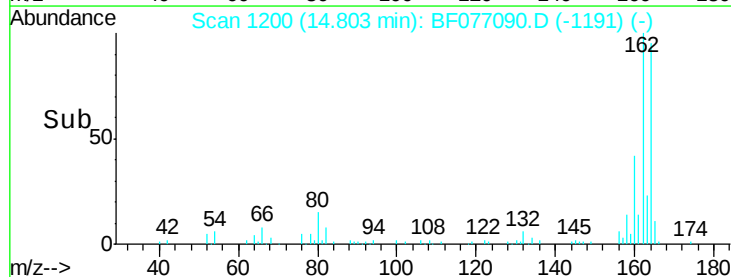
160 46.2 34.8 52.2

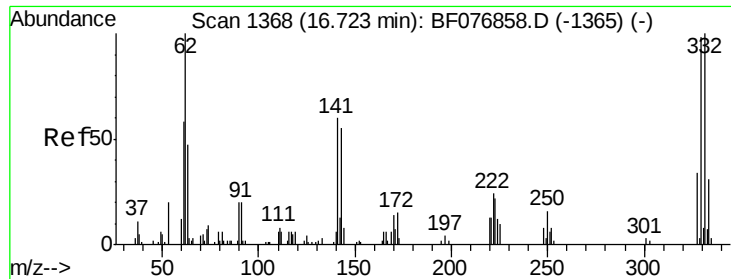


Abundance Ion 164.00 (163.70 to 164.70): BF076858.D (-1220) (-)

Ion 162.00 (161.70 to 162.70): BF076858.D (-1220) (-)

Ion 160.00 (159.70 to 160.70): BF076858.D (-1220) (-)

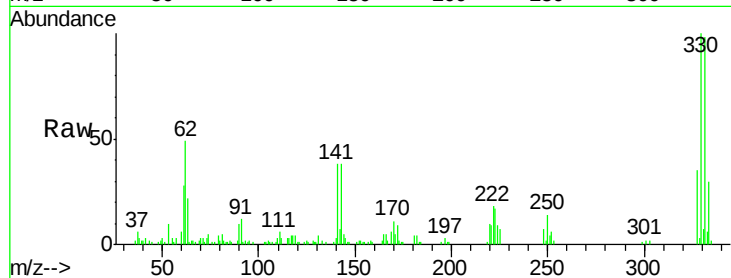




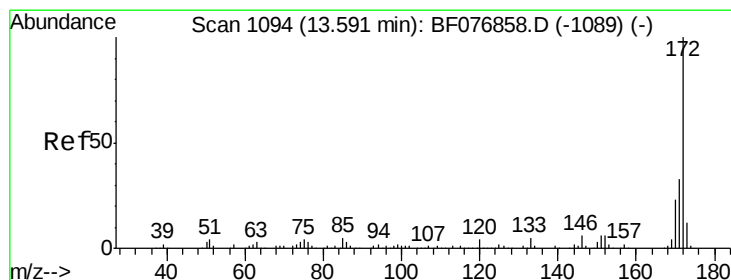
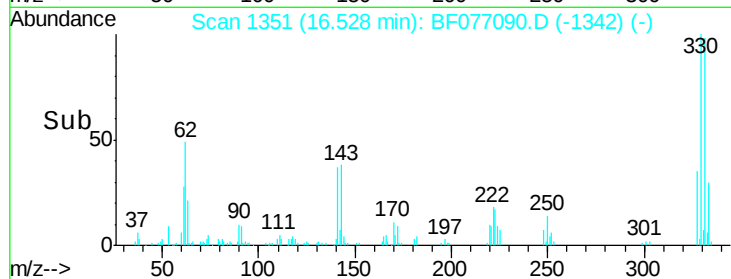
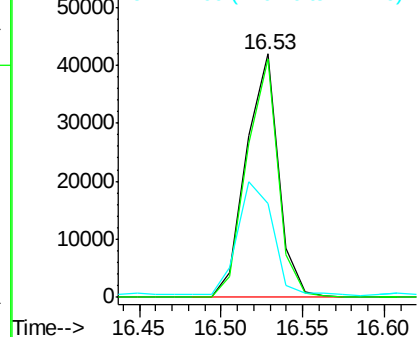
#41  
 2,4,6-Tribromophenol  
 Concen: 115.65 ng  
 RT: 16.53 min Scan# 1351  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

Instrument :  
 BNA\_F  
 ClientSampled :  
 104B1B

Tgt Ion:330 Resp: 57337  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.8 116.6  
 141 50.9 38.5 57.7

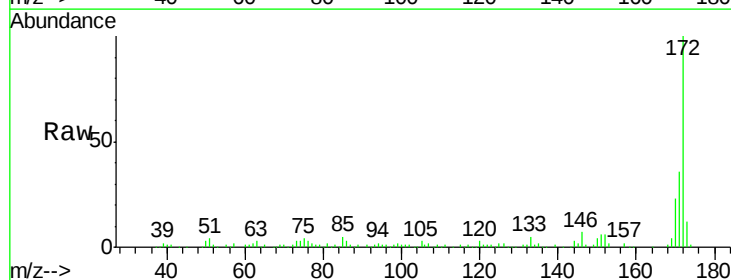


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

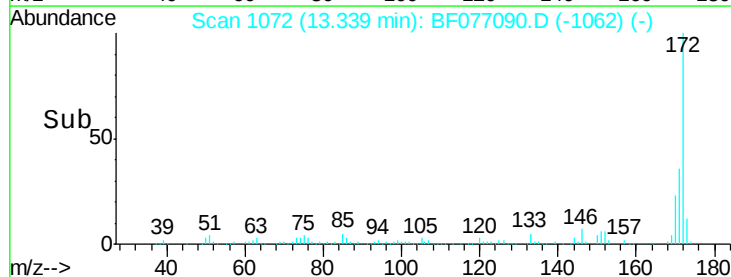
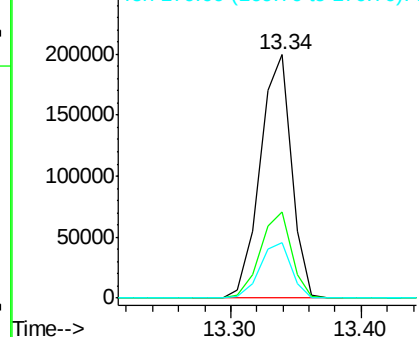


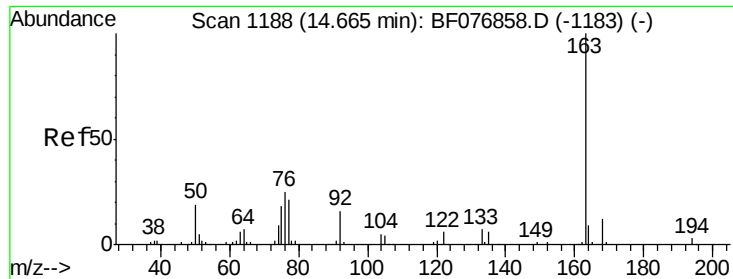
#44  
 2-Fluorobiphenyl  
 Concen: 83.98 ng  
 RT: 13.34 min Scan# 1072  
 Delta R.T. 0.01 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

Tgt Ion:172 Resp: 337032  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 26.6 40.0  
 170 22.8 18.0 27.0



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: 2.36 ng

RT: 14.40 min Scan# 1165

Delta R.T. -0.02 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

Instrument :

BNA\_F

ClientSampleId :

104B1B

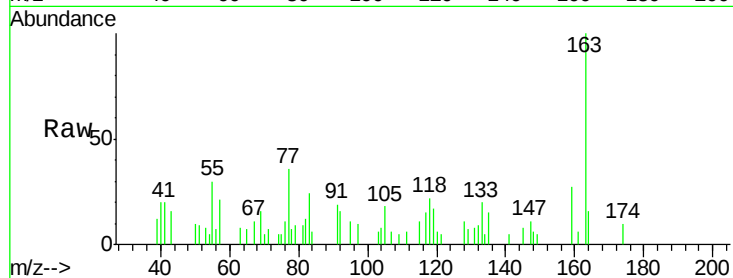
Tgt Ion:163 Resp: 10240

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

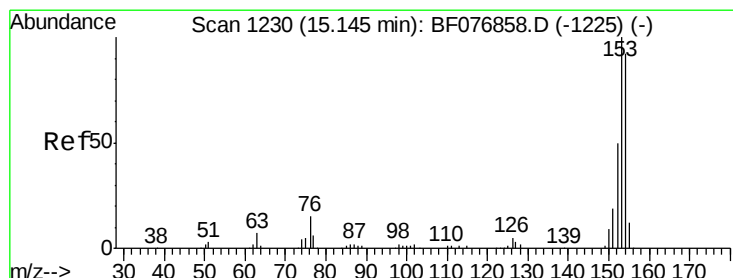
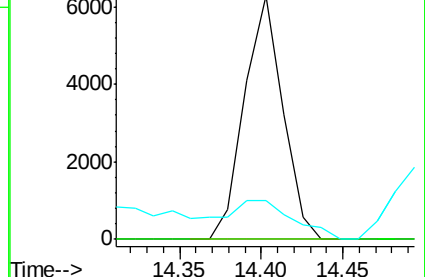
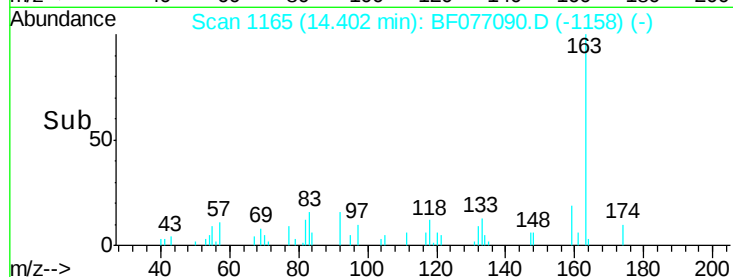
164 16.0 7.5 11.3#



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



#51

Acenaphthene

Concen: 3.73 ng

RT: 14.88 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

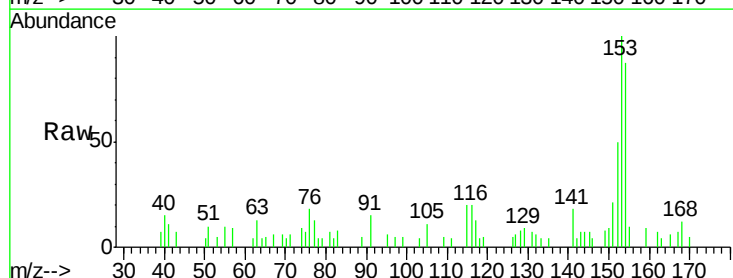
Tgt Ion:154 Resp: 13310

Ion Ratio Lower Upper

154 100

153 114.5 87.0 130.6

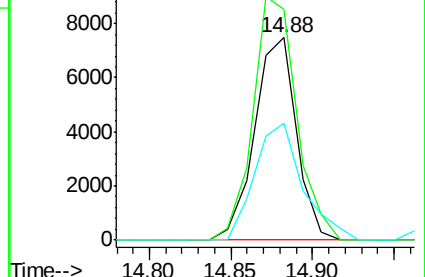
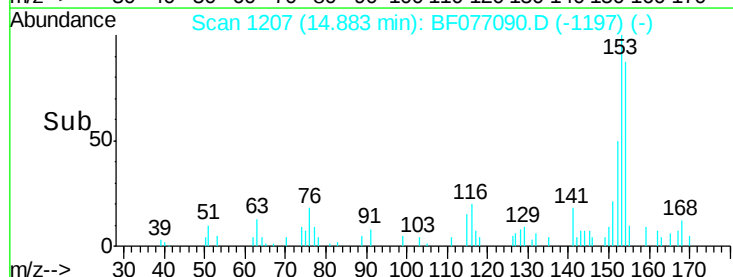
152 57.8 43.5 65.3

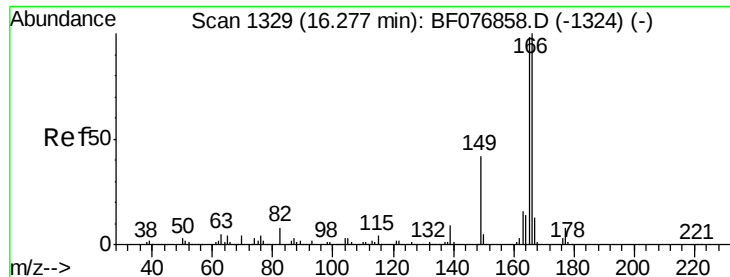


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

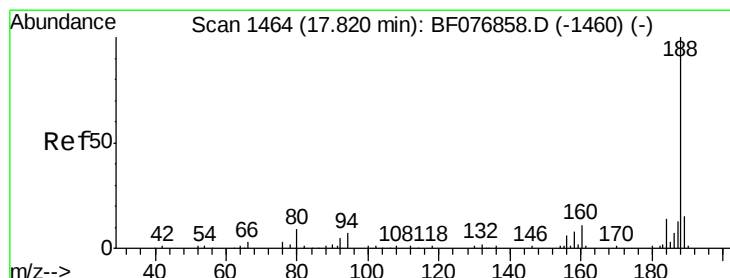
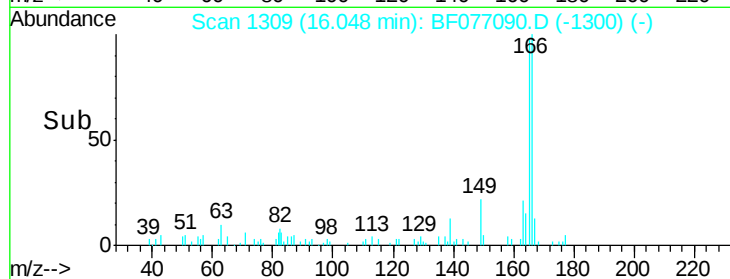
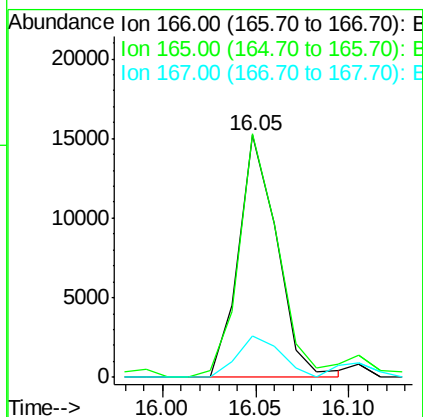
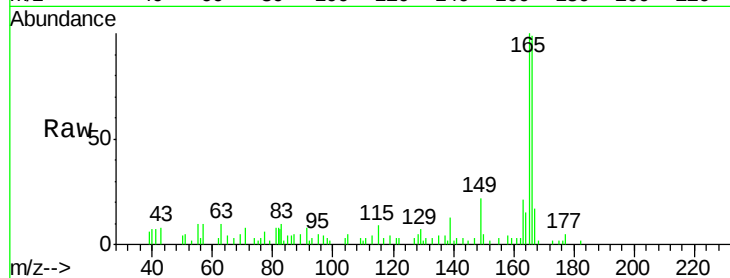




#57  
**Fluorene**  
 Concen: 4.98 ng  
 RT: 16.05 min Scan# 1309  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

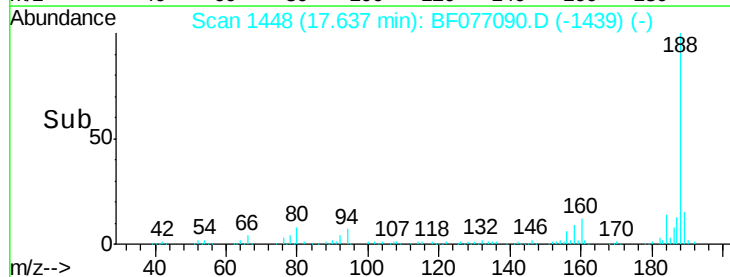
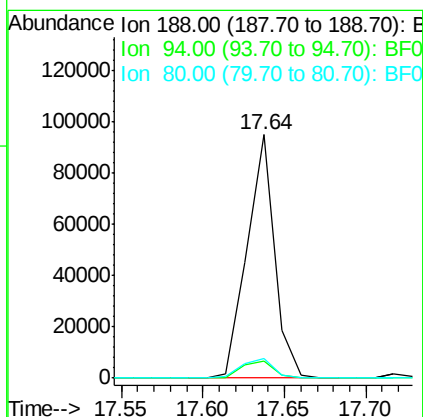
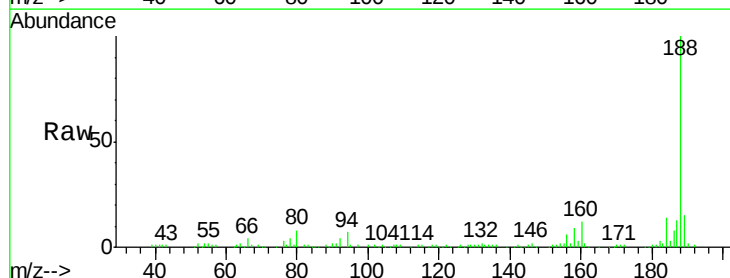
Instrument :  
 BNA\_F  
 ClientSampleId :  
 104B1B

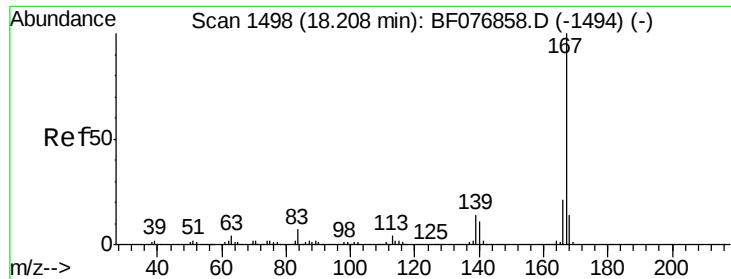
Tgt Ion:166 Resp: 21915  
 Ion Ratio Lower Upper  
 166 100  
 165 100.5 78.5 117.7  
 167 17.2 10.4 15.6#



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 17.64 min Scan# 1448  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

Tgt Ion:188 Resp: 110883  
 Ion Ratio Lower Upper  
 188 100  
 94 6.9 6.0 9.0  
 80 8.2 6.9 10.3





#72

Carbazole

Concen: 5.83 ng

RT: 18.04 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

Instrument :

BNA\_F

ClientSampleId :

104B1B

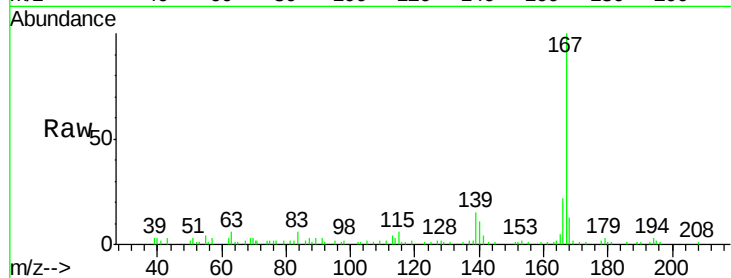
Tgt Ion:167 Resp: 38121

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

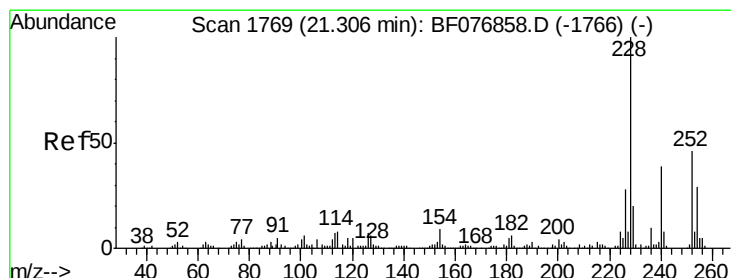
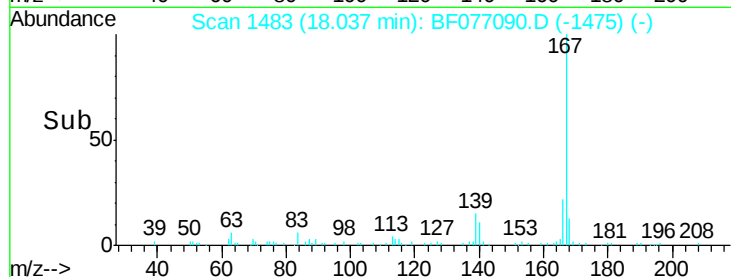
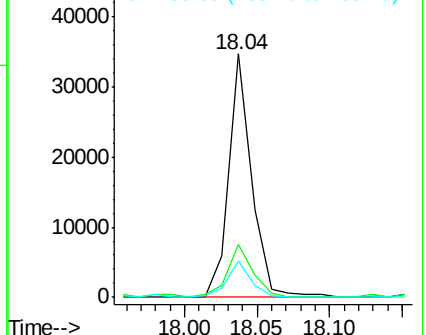
139 15.0 11.3 16.9



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF077090.D

Acq: 27 Jan 2015 18:11

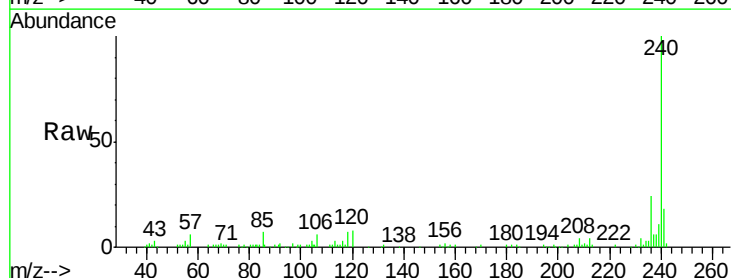
Tgt Ion:240 Resp: 112919

Ion Ratio Lower Upper

240 100

120 8.2 10.4 15.6#

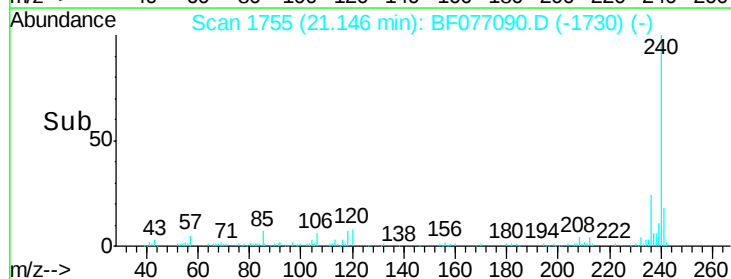
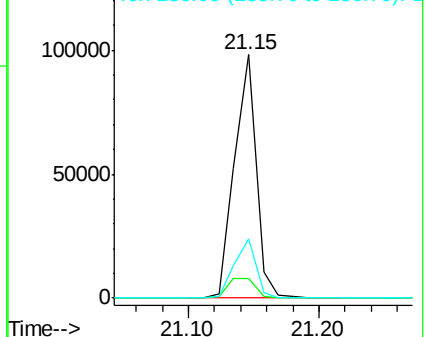
236 24.5 20.2 30.2

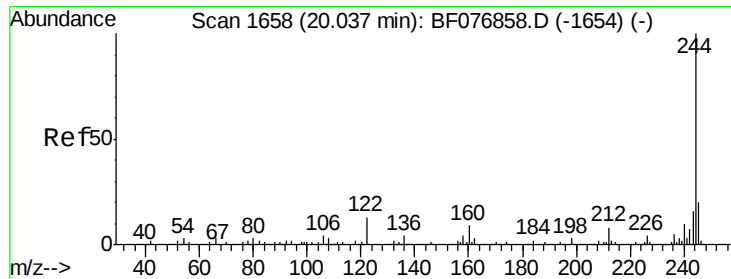


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

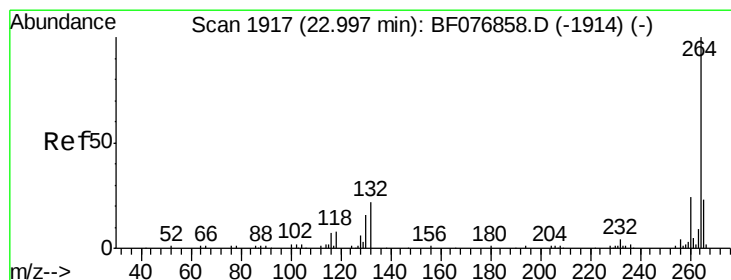
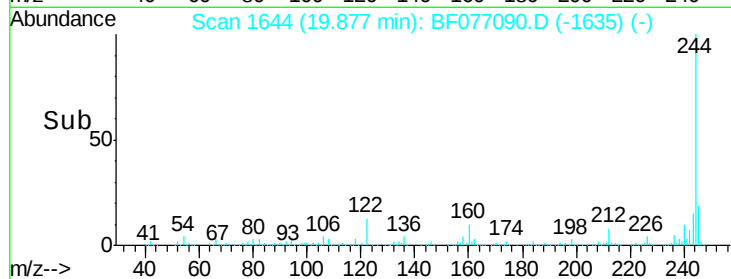
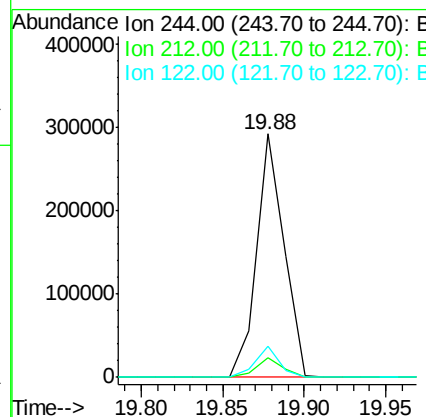
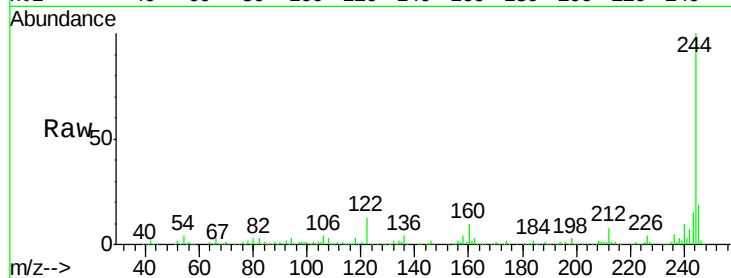




#78  
 Terphenyl-d14  
 Concen: 69.70 ng  
 RT: 19.88 min Scan# 1644  
 Delta R.T. -0.00 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 104B1B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.1   | 6.3   | 9.5   |
| 122     | 12.7  | 10.1  | 15.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.85 min Scan# 1904  
 Delta R.T. -0.11 min  
 Lab File: BF077090.D  
 Acq: 27 Jan 2015 18:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.0  | 28.4  |
| 265     | 21.2  | 18.1  | 27.1  |

