

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\  
 Data File : BF094703.D  
 Acq On : 29 Apr 2017 00:08  
 Operator : SJ/MA  
 Sample : I2895-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 29 03:53:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

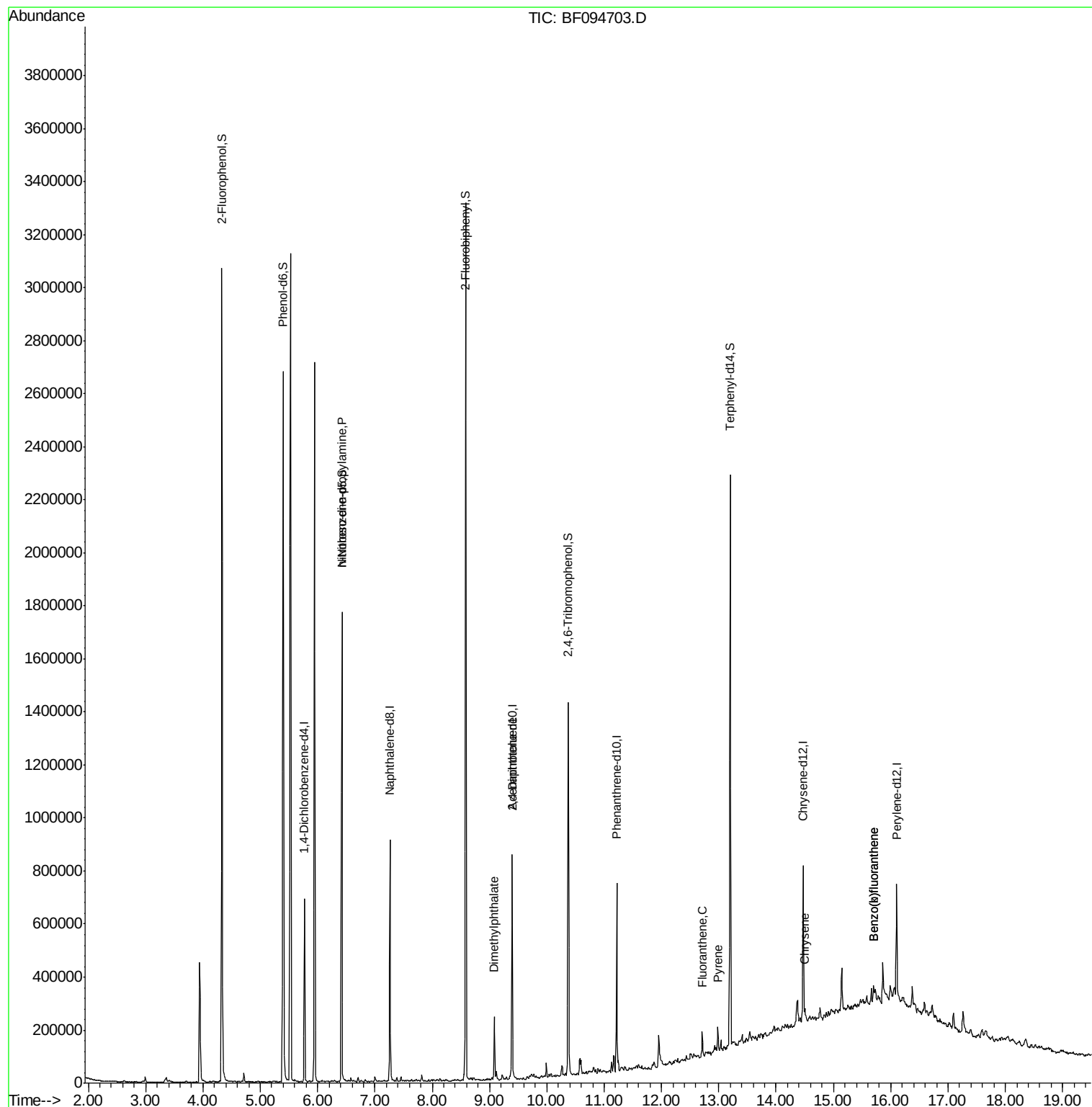
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.77  | 152  | 111804   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.26  | 136  | 432595   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.40  | 164  | 177552   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 273682   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.47 | 240  | 221121   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 16.10 | 264  | 168250   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.33  | 112  | 945501   | 140.30 | ng    | 0.03     |
| 7) Phenol-d6                   | 5.40  | 99   | 1165582  | 146.71 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.42  | 82   | 681451   | 97.27  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.38 | 330  | 189874   | 136.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.58  | 172  | 1171327  | 97.07  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.20 | 244  | 782032   | 94.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.42  | 70   | 91592    | 17.40  | ng    | # 74     |
| 49) Dimethylphthalate          | 9.08  | 163  | 104674   | 7.91   | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.40  | 165  | 22586    | 6.20   | ng    | # 33     |
| 74) Fluoranthene               | 12.71 | 202  | 39614    | 2.48   | ng    | 98       |
| 77) Pyrene                     | 12.98 | 202  | 38761    | 2.51   | ng    | 96       |
| 82) Chrysene                   | 14.50 | 228  | 24166    | 2.06   | ng    | # 93     |
| 87) Benzo(b)fluoranthene       | 15.70 | 252  | 38719    | 3.76   | ng    | # 80     |
| 88) Benzo(k)fluoranthene       | 15.70 | 252  | 38719    | 3.98   | ng    | # 83     |

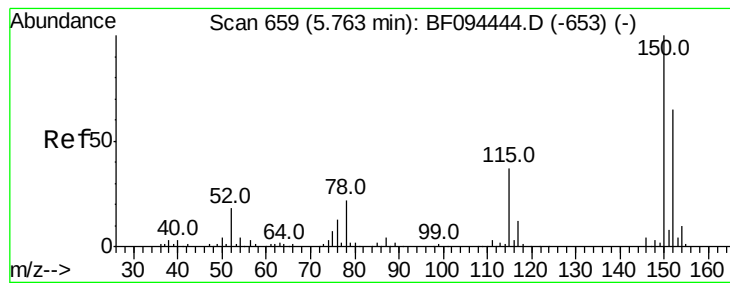
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.77 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Instrument :

BNA\_F

ClientSampled :

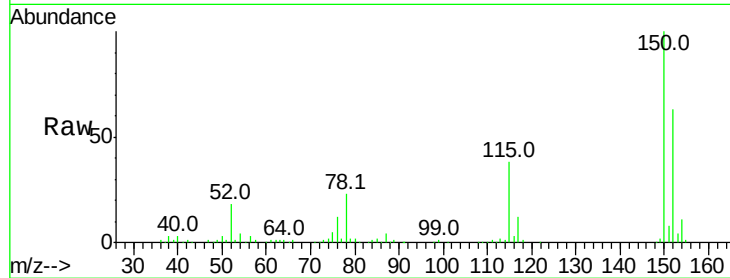
Tot Ion:152 Resp: 111804

Ion Ratio Lower Upper

152 100

150 158.7 126.2 189.2

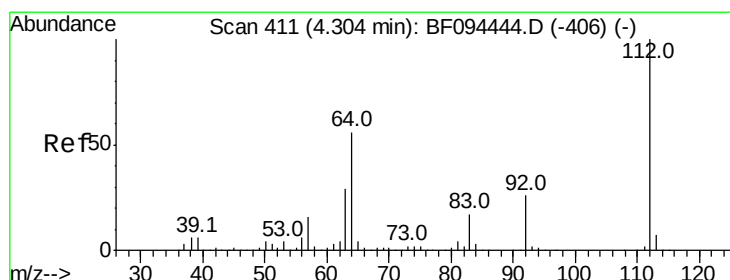
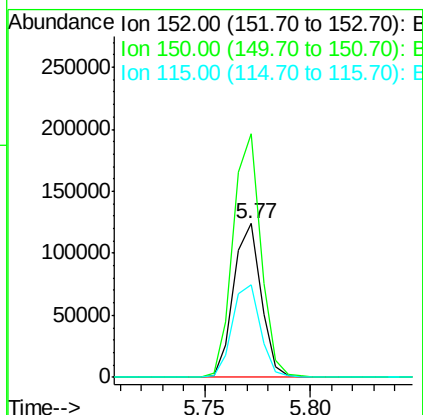
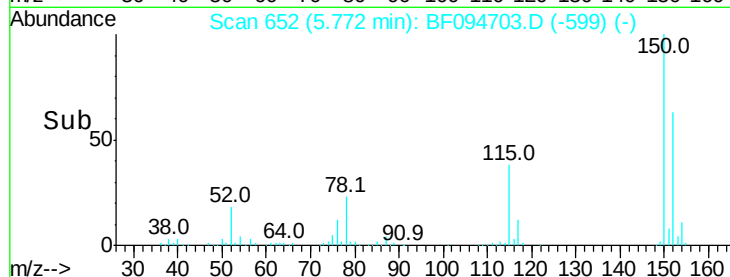
115 60.0 52.2 78.2



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: 140.30 ng

RT: 4.33 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

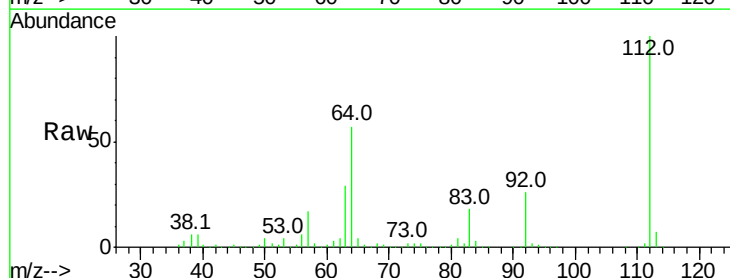
Tgt Ion:112 Resp: 945501

Ion Ratio Lower Upper

112 100

64 57.4 46.0 69.0

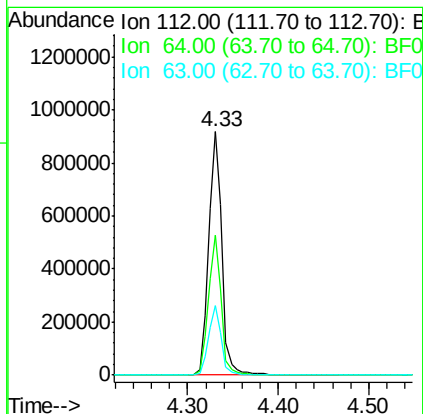
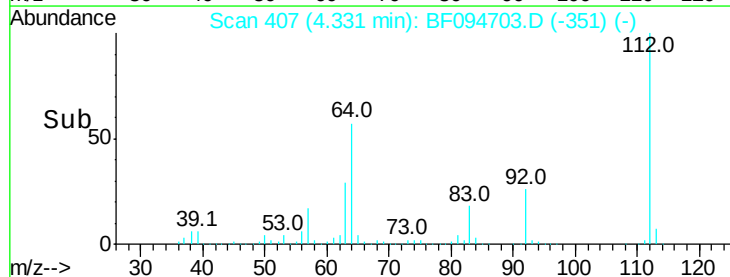
63 28.8 23.4 35.0

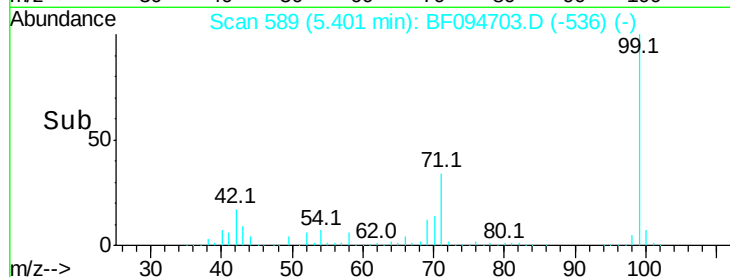
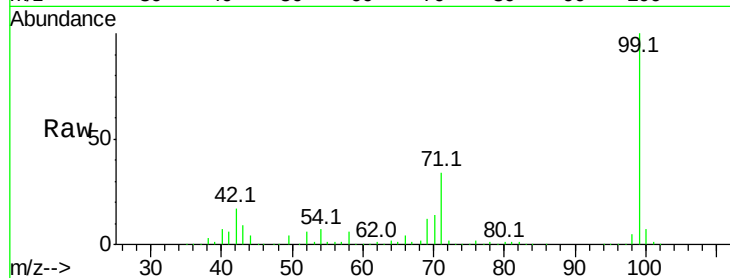
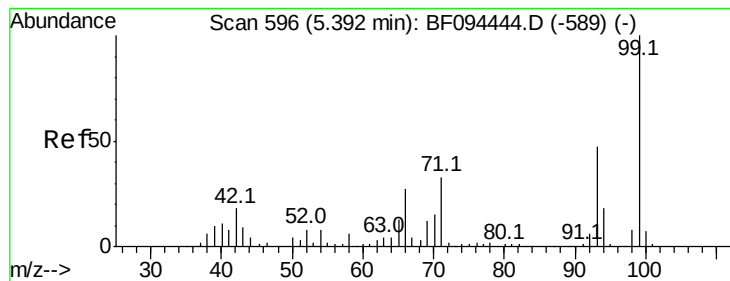


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.71 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Instrument :

BNA\_F

ClientSampled :

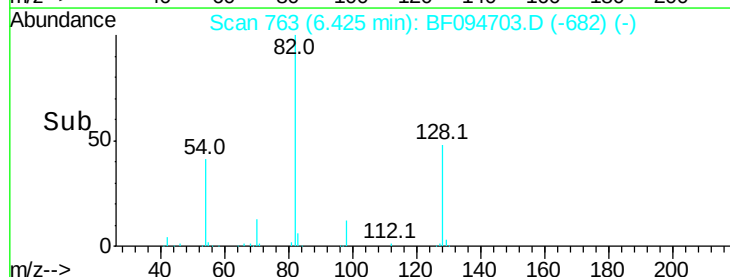
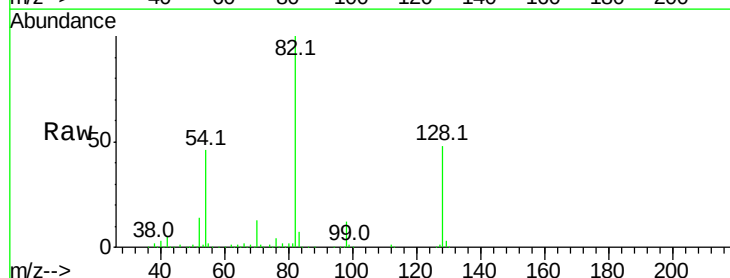
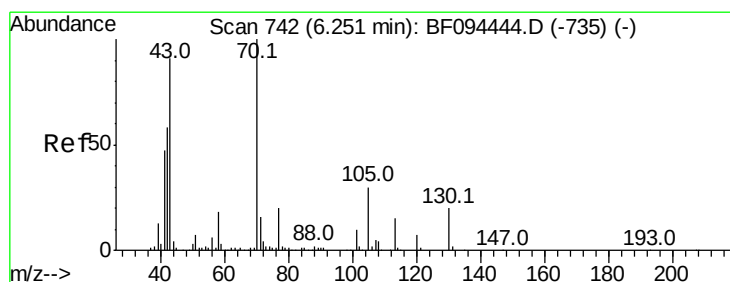
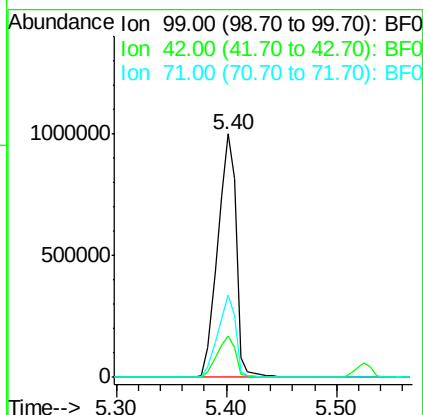
Tot Ion: 99 Resp: 1165582

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

71 33.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 17.40 ng

RT: 6.42 min Scan# 763

Delta R.T. 0.17 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Tgt Ion: 70 Resp: 91592

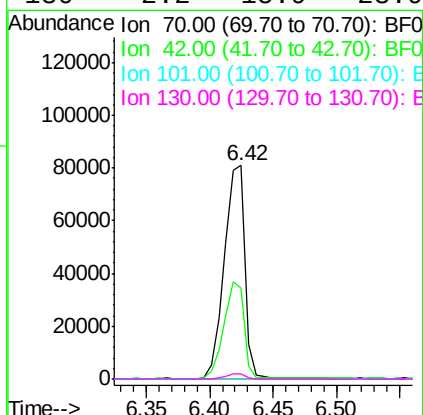
Ion Ratio Lower Upper

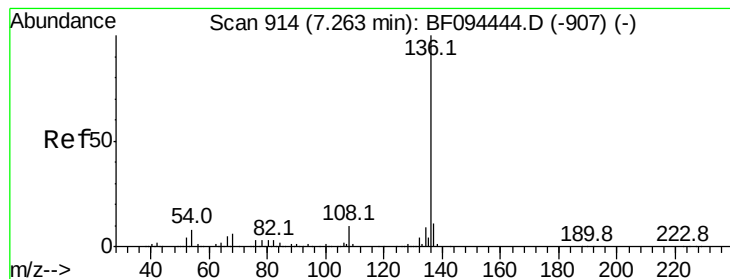
70 100

42 42.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 432595

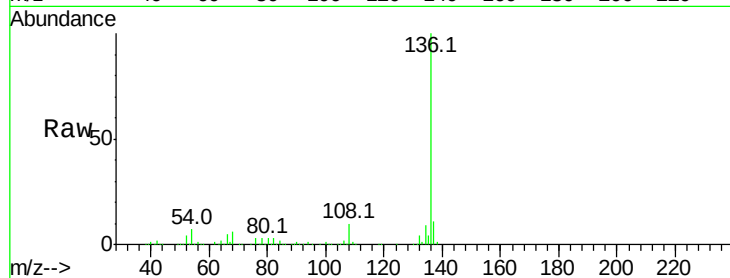
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.2 4.9 7.3

68 5.9 4.1 6.1

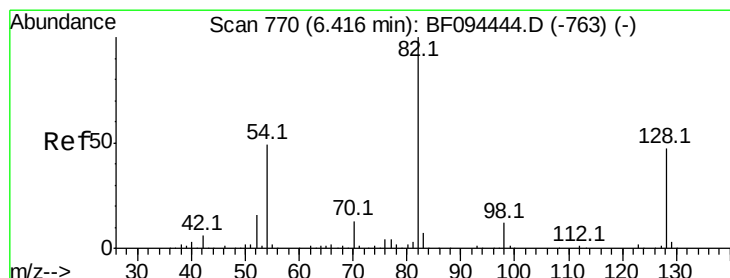
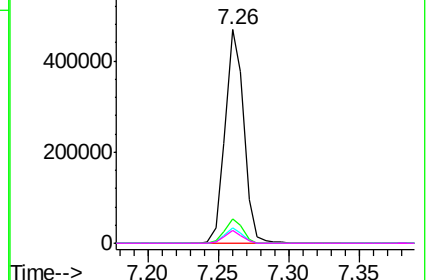
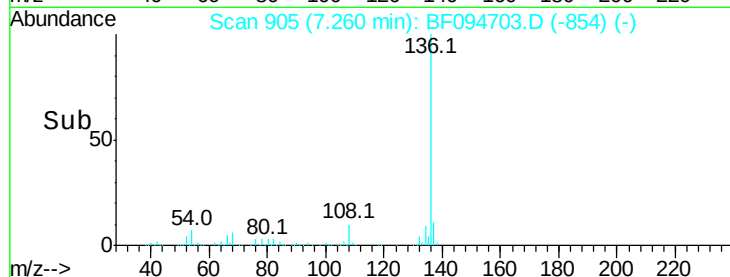


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.27 ng

RT: 6.42 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

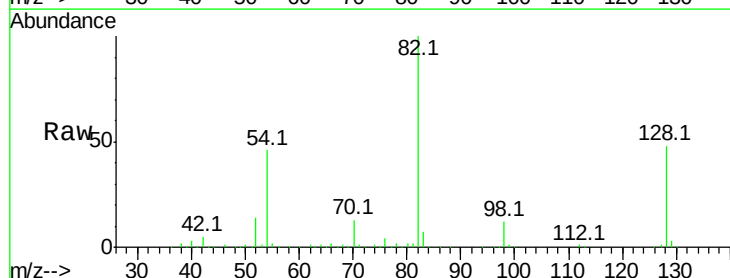
Tgt Ion: 82 Resp: 681451

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

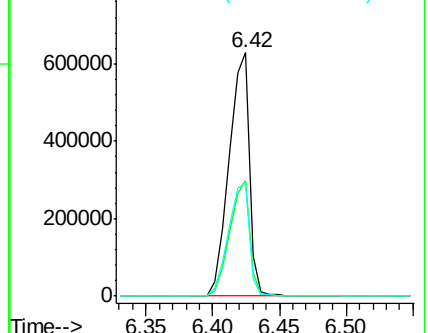
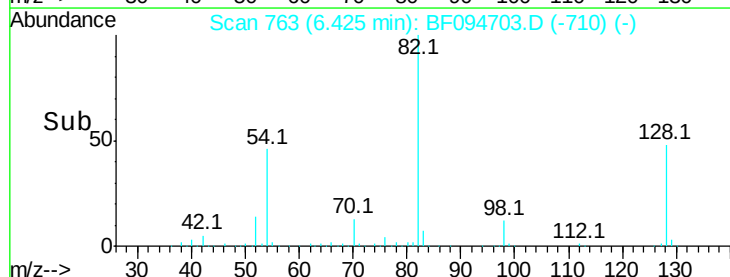
54 46.5 42.2 63.2

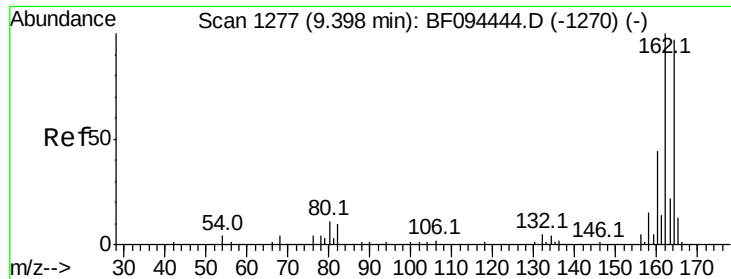


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Instrument :

BNA\_F

ClientSampled :

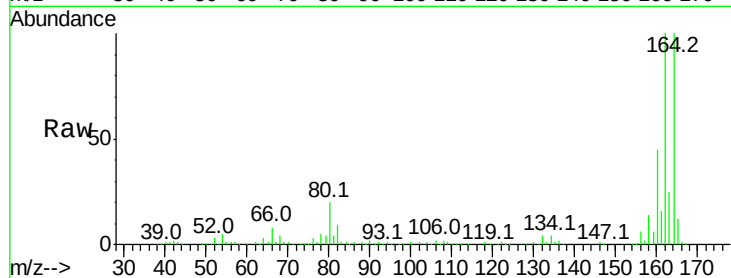
Tot Ion:164 Resp: 177552

Ion Ratio Lower Upper

164 100

162 100.4 82.6 123.8

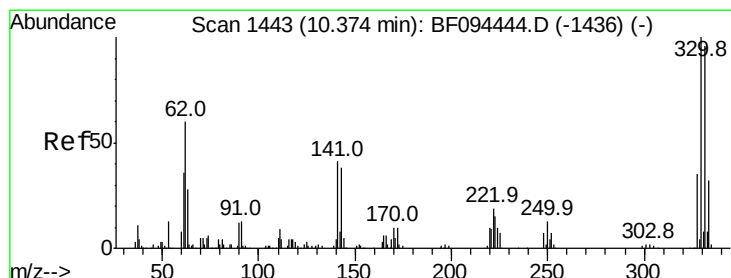
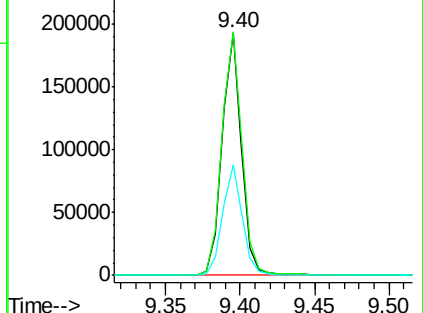
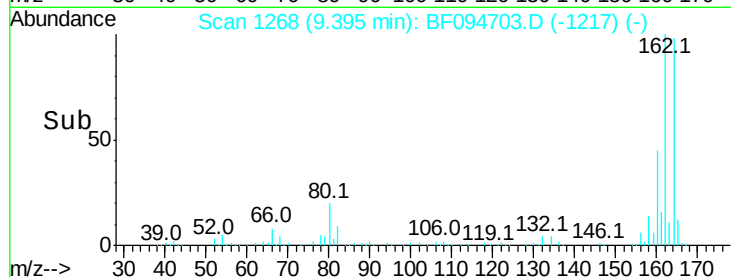
160 45.5 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 136.72 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

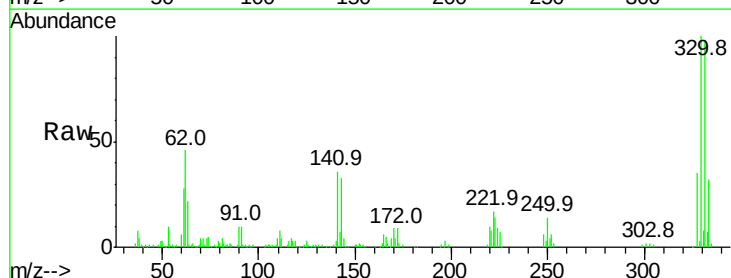
Tgt Ion:330 Resp: 189874

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

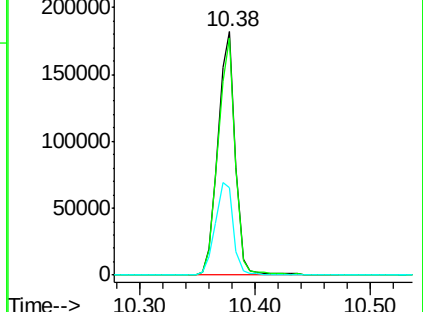
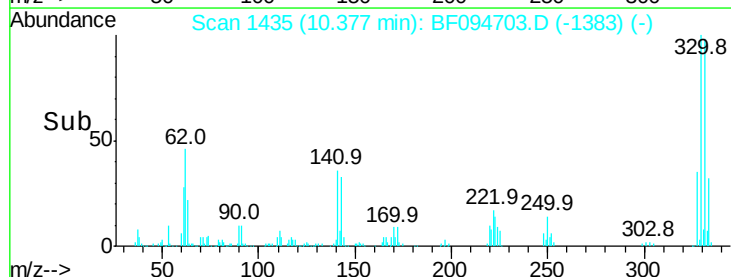
141 39.7 31.4 47.2

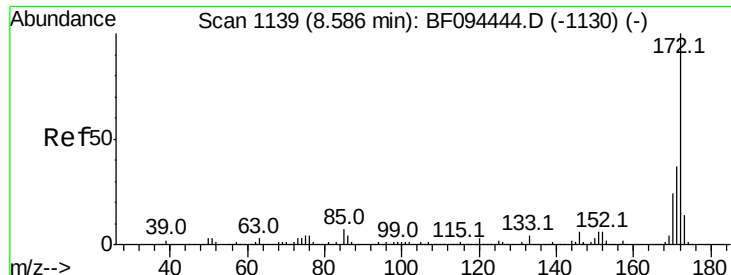


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

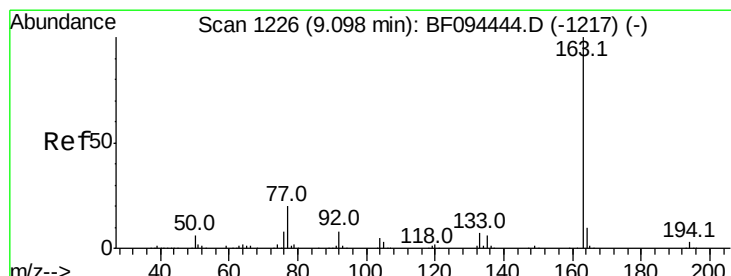
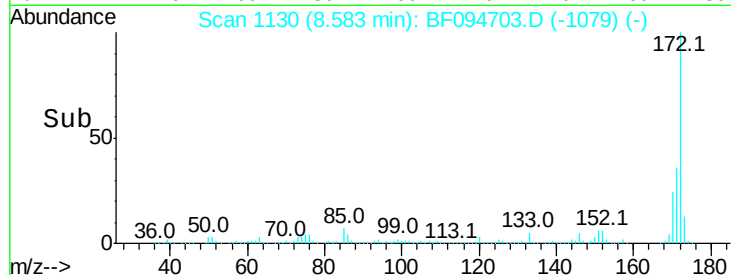
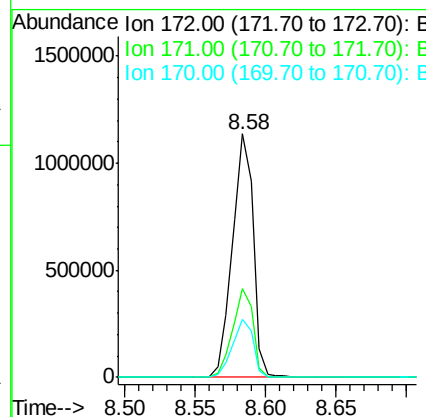
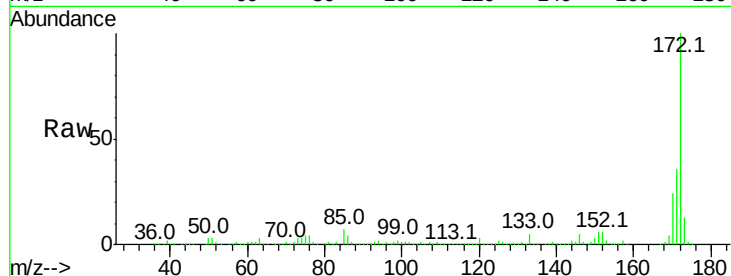




#44  
2-Fluorobiphenyl  
Concen: 97.07 ng  
RT: 8.58 min Scan# 1130  
Delta R.T. -0.00 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

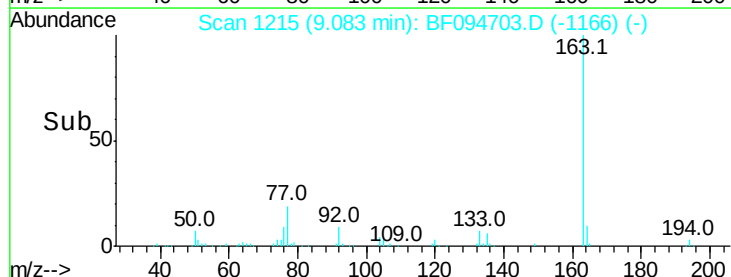
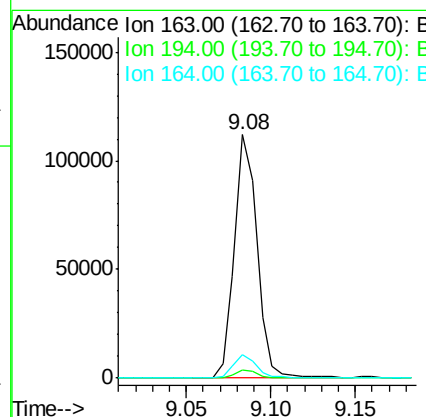
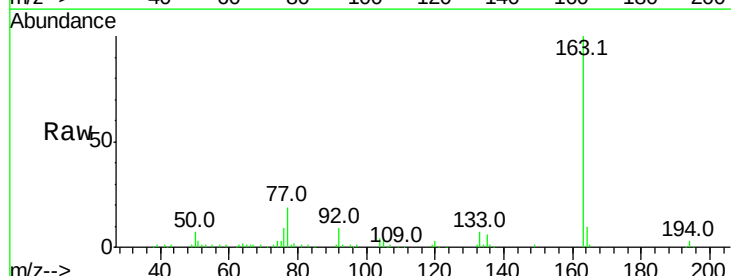
Instrument :  
BNA\_F  
ClientSampleId :

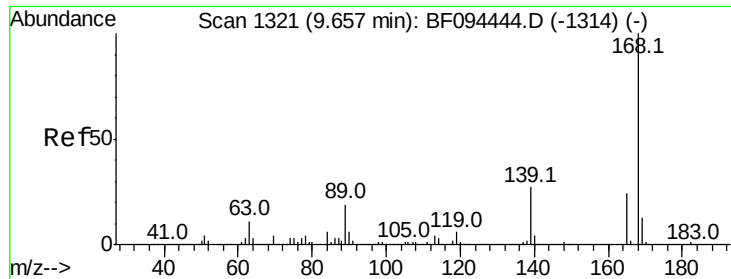
Tot Ion:172 Resp: 1171327  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.6 44.4  
170 23.8 19.8 29.8



#49  
Dimethylphthalate  
Concen: 7.91 ng  
RT: 9.08 min Scan# 1215  
Delta R.T. -0.01 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Tgt Ion:163 Resp: 104674  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 9.7 8.4 12.6

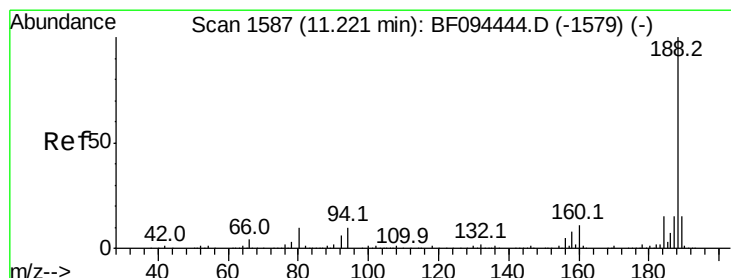
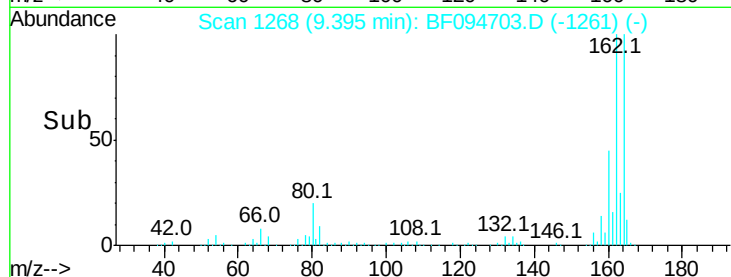
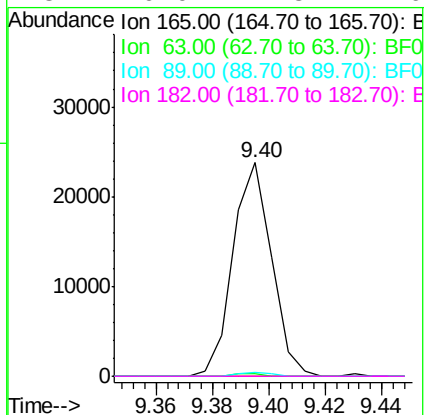
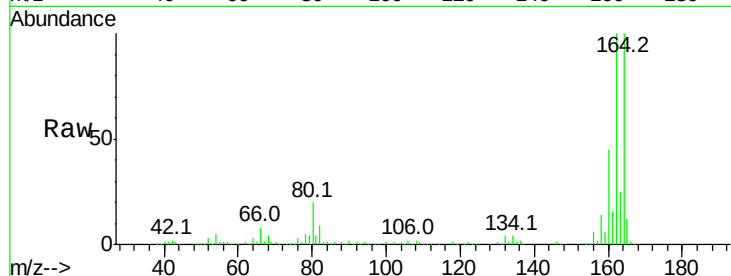




#56  
 2,4-Dinitrotoluene  
 Concen: 6.20 ng  
 RT: 9.40 min Scan# 1268  
 Delta R.T. -0.26 min  
 Lab File: BF094703.D  
 Acq: 29 Apr 2017 00:08

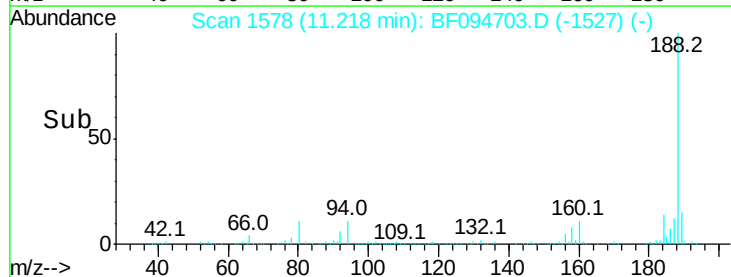
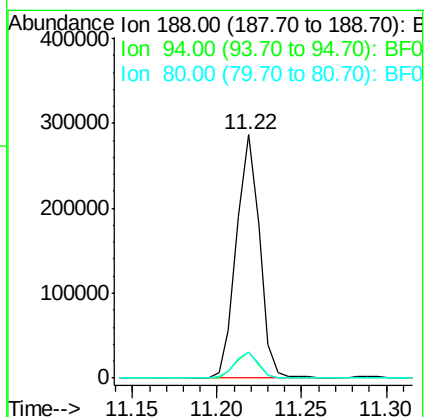
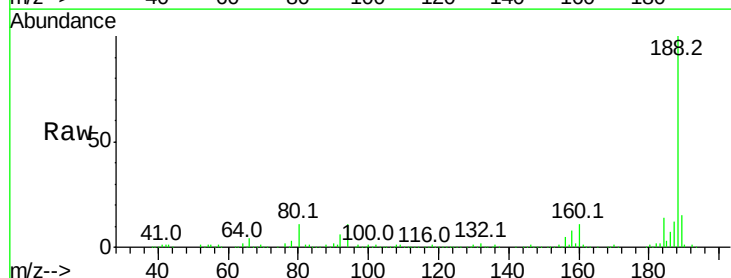
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 22586  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 25.4 38.0#  
 89 1.7 46.4 69.6#  
 182 0.0 1.8 2.6#

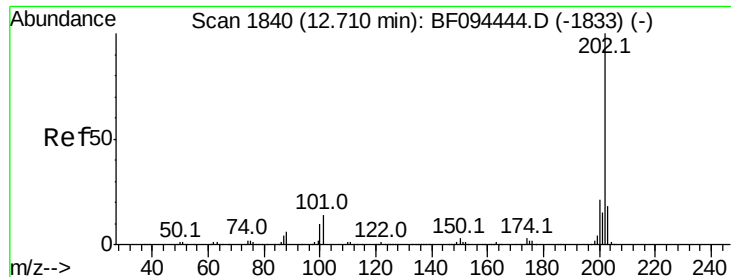


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.22 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: BF094703.D  
 Acq: 29 Apr 2017 00:08

Tgt Ion:188 Resp: 273682  
 Ion Ratio Lower Upper  
 188 100  
 94 10.5 9.4 14.2  
 80 10.9 10.2 15.2







#74

Fluoranthene

Concen: 2.48 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

Instrument :

BNA\_F

ClientSampled :

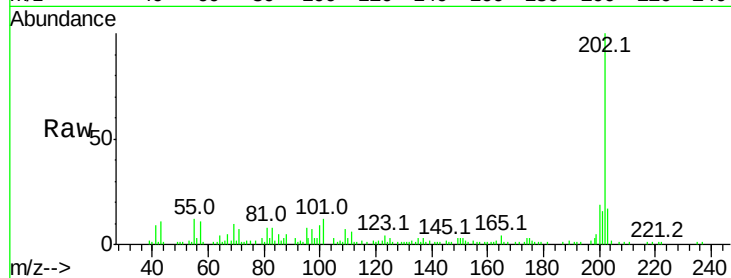
Tot Ion:202 Resp: 39614

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

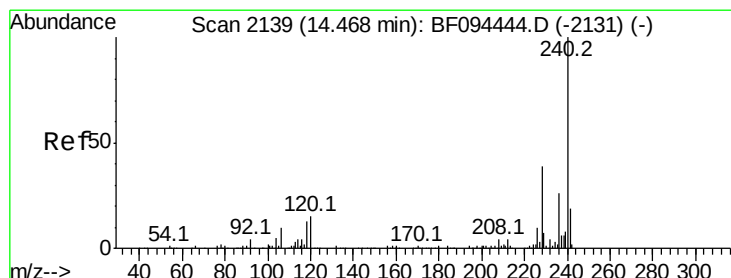
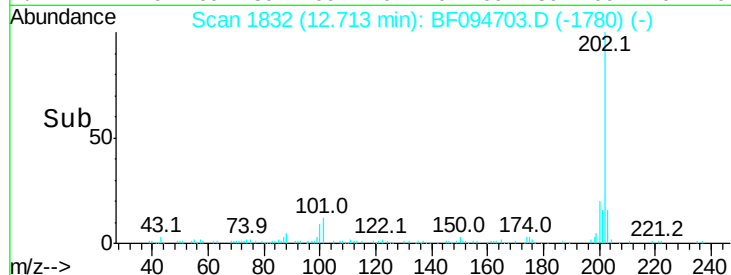
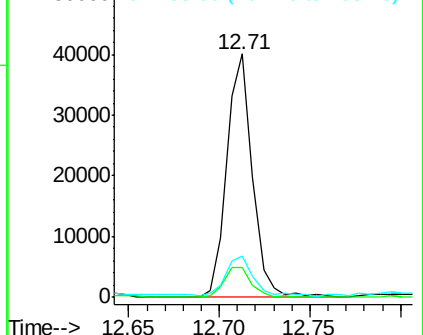
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094703.D

Acq: 29 Apr 2017 00:08

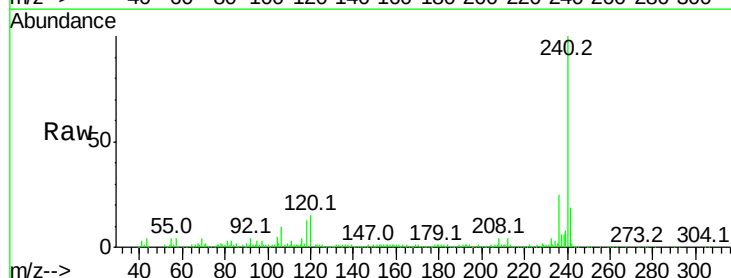
Tgt Ion:240 Resp: 221121

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

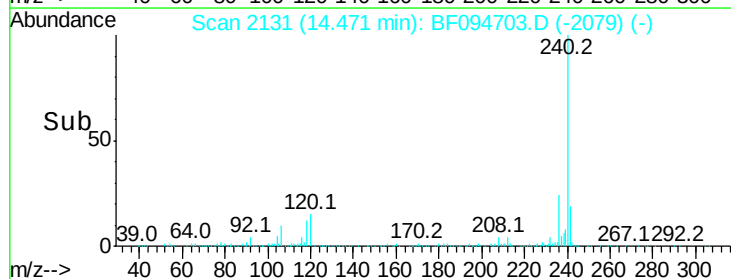
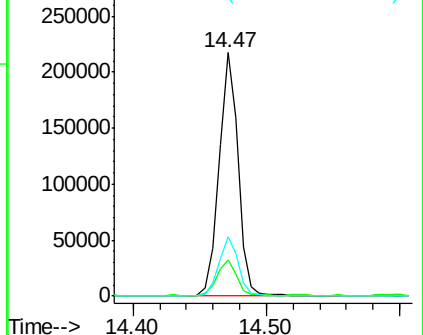
236 24.6 20.5 30.7

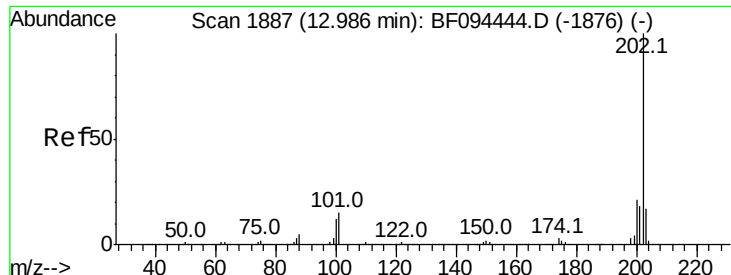


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

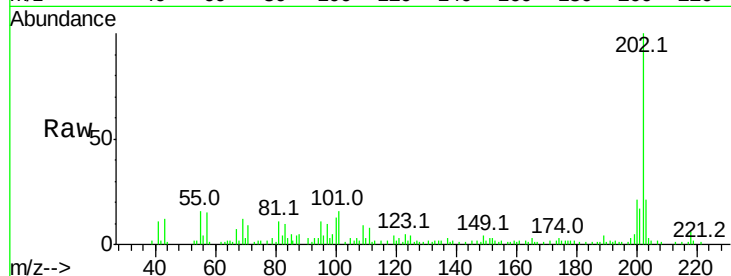




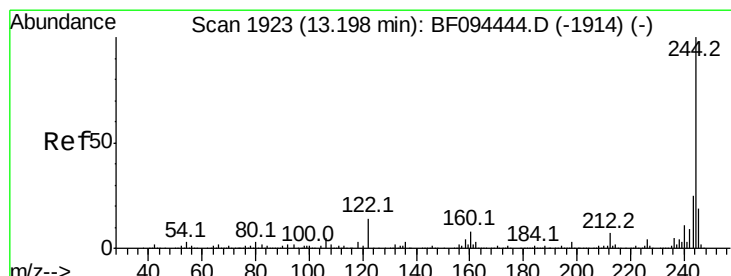
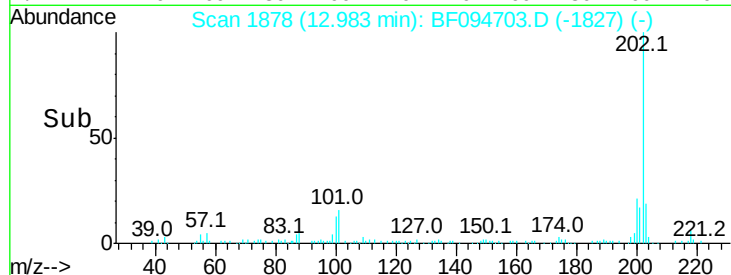
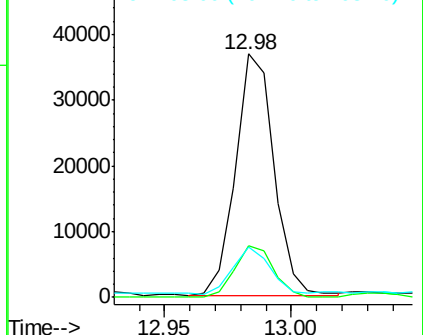
#77  
Pvrene  
Concen: 2.51 ng  
RT: 12.98 min Scan# 1878  
Delta R.T. -0.00 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:202 Resp: 38761  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.6 26.4  
203 20.6 14.4 21.6

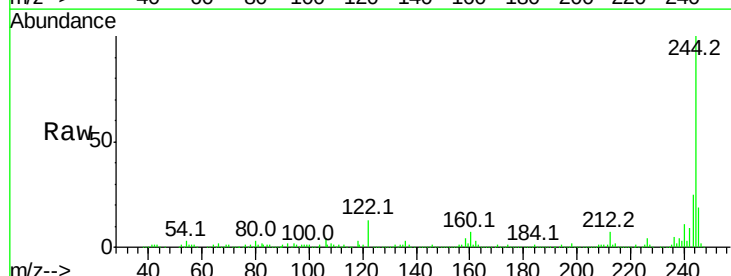


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

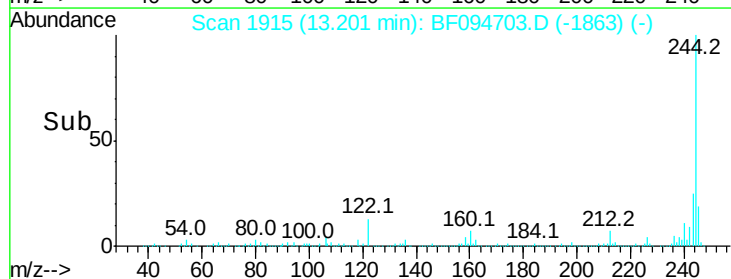
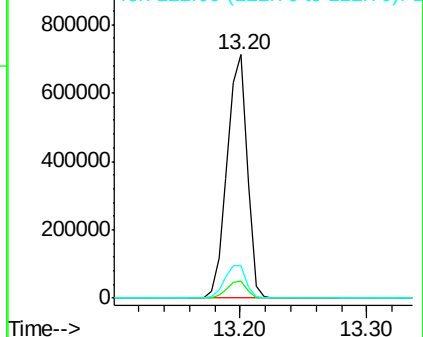


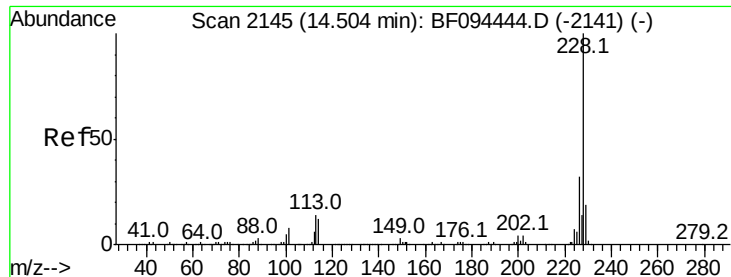
#78  
Terphenyl-d14  
Concen: 94.53 ng  
RT: 13.20 min Scan# 1915  
Delta R.T. 0.00 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Tgt Ion:244 Resp: 782032  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.0 9.0  
122 13.2 10.3 15.5



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

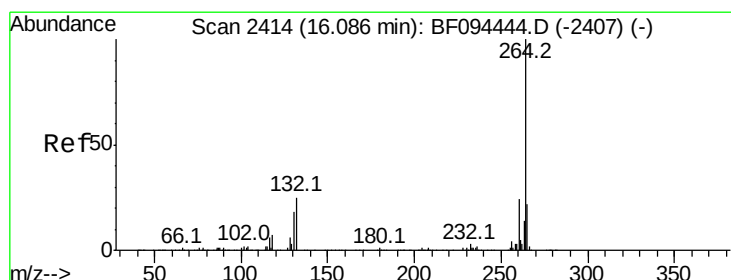
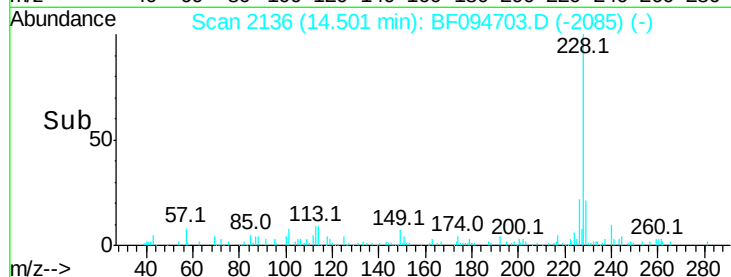
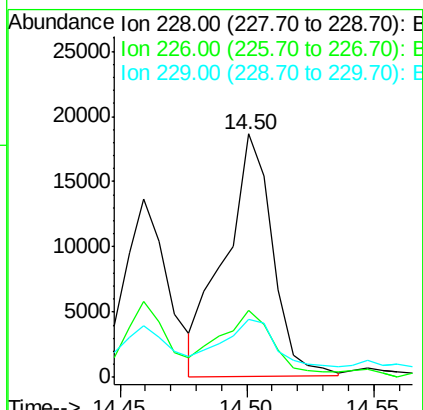
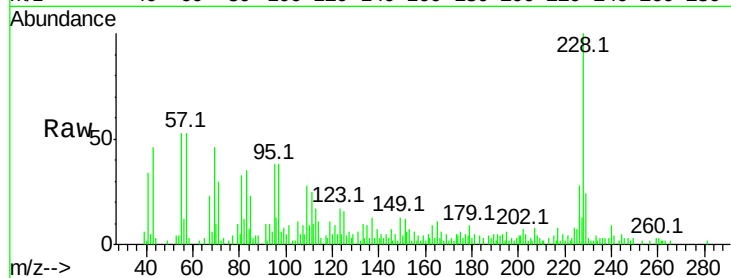




#82  
Chrysene  
Concen: 2.06 ng  
RT: 14.50 min Scan# 2136  
Delta R.T. -0.00 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

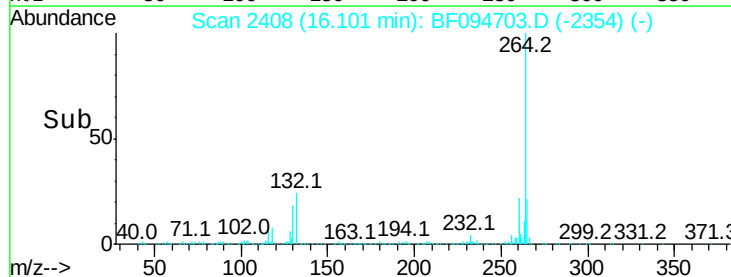
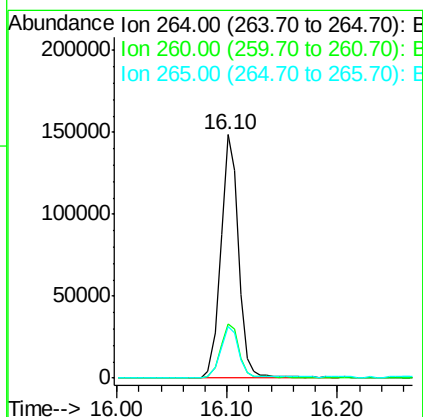
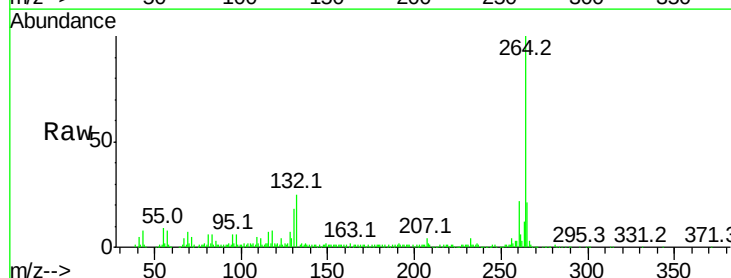
Instrument :  
BNA\_F  
ClientSampleId :

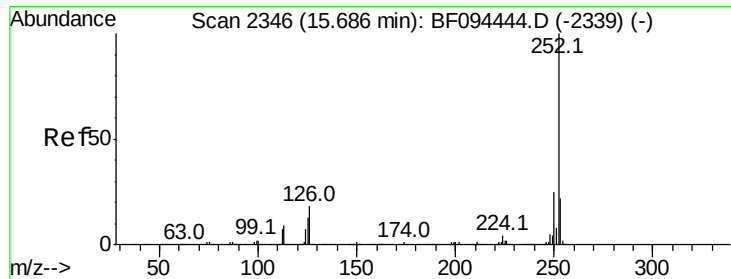
Tot Ion:228 Resp: 24166  
Ion Ratio Lower Upper  
228 100  
226 27.6 24.9 37.3  
229 23.9 15.8 23.6#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.10 min Scan# 2408  
Delta R.T. 0.01 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Tgt Ion:264 Resp: 168250  
Ion Ratio Lower Upper  
264 100  
260 22.3 19.5 29.3  
265 21.1 17.2 25.8

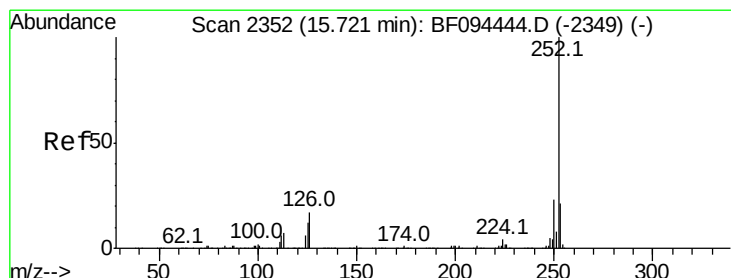
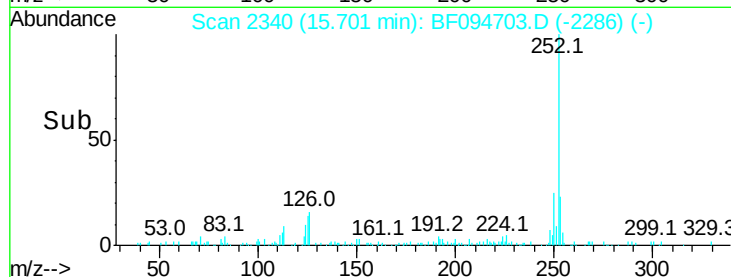
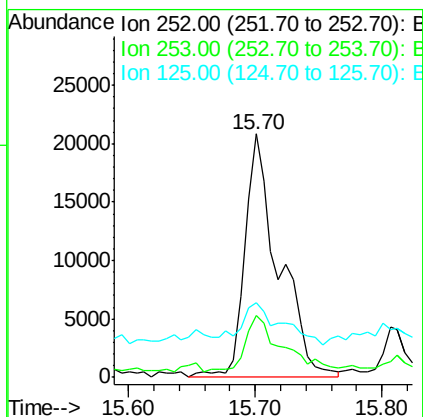
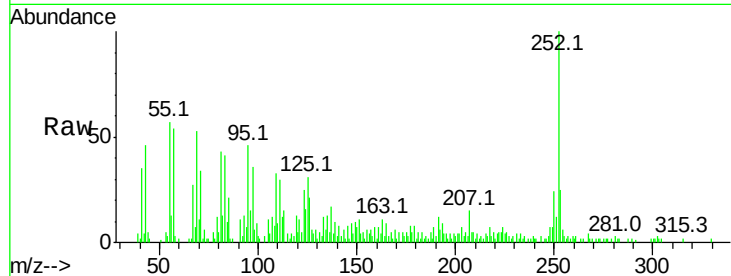




#87  
Benzo(b)fluoranthene  
Concen: 3.76 ng  
RT: 15.70 min Scan# 2340  
Delta R.T. 0.01 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 38719  
Ion Ratio Lower Upper  
252 100  
253 25.3 18.1 27.1  
125 30.6 9.8 14.8#



#88  
Benzo(k)fluoranthene  
Concen: 3.98 ng  
RT: 15.70 min Scan# 2340  
Delta R.T. -0.02 min  
Lab File: BF094703.D  
Acq: 29 Apr 2017 00:08

Tgt Ion:252 Resp: 38719  
Ion Ratio Lower Upper  
252 100  
253 25.3 18.4 27.6  
125 30.6 13.1 19.7#

