

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\  
 Data File : BF094204.D  
 Acq On : 5 Apr 2017 22:06  
 Operator : SJ/MA  
 Sample : I2522-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASING-9(0-2)

Quant Time: Apr 06 01:10:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

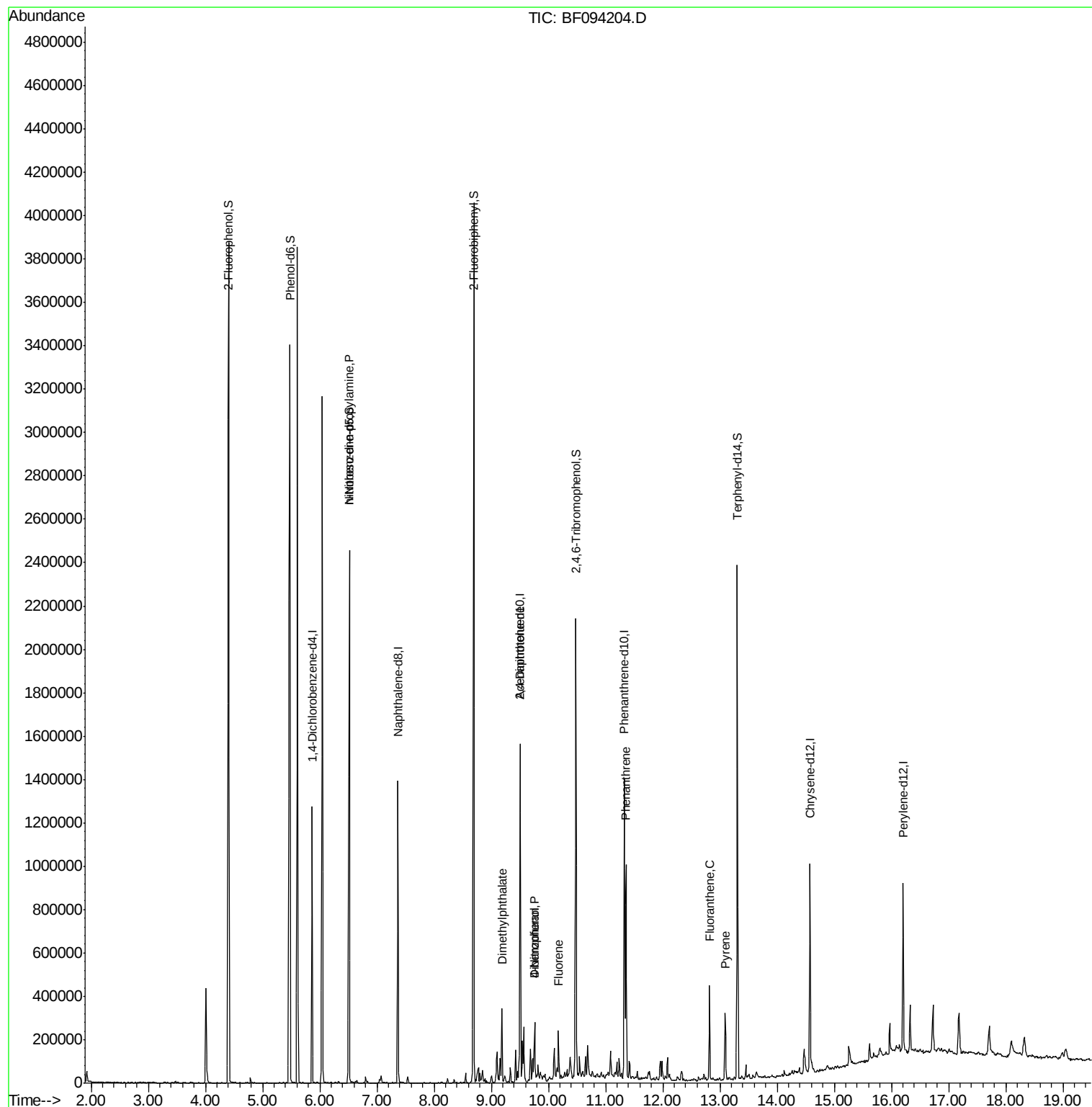
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 5.86  | 152  | 187068   | 20.00  | ng    | -0.04          |
| 21) Naphthalene-d8             | 7.37  | 136  | 754475   | 20.00  | ng    | -0.04          |
| 38) Acenaphthene-d10           | 9.50  | 164  | 327623   | 20.00  | ng    | -0.05          |
| 63) Phenanthrene-d10           | 11.33 | 188  | 518433   | 20.00  | ng    | -0.05          |
| 75) Chrysene-d12               | 14.57 | 240  | 354195   | 20.00  | ng    | -0.05          |
| 86) Perylene-d12               | 16.20 | 264  | 303424   | 20.00  | ng    | -0.05          |
| System Monitoring Compounds    |       |      |          |        |       |                |
| 5) 2-Fluorophenol              | 4.40  | 112  | 1173749  | 105.98 | ng    | -0.03          |
| 7) Phenol-d6                   | 5.47  | 99   | 1486968  | 108.53 | ng    | -0.04          |
| 23) Nitrobenzene-d5            | 6.52  | 82   | 944866   | 71.47  | ng    | -0.04          |
| 41) 2,4,6-Tribromophenol       | 10.48 | 330  | 260284   | 100.54 | ng    | -0.04          |
| 44) 2-Fluorobiphenyl           | 8.69  | 172  | 1509247  | 70.26  | ng    | -0.04          |
| 78) Terphenyl-d14              | 13.30 | 244  | 886696   | 56.11  | ng    | -0.05          |
| Target Compounds               |       |      |          |        |       |                |
| 19) n-Nitroso-di-n-propylamine | 6.52  | 70   | 124243   | 14.11  | ng    | Qvalue<br># 77 |
| 49) Dimethylphthalate          | 9.19  | 163  | 155211   | 6.66   | ng    | 98             |
| 54) Dibenzofuran               | 9.76  | 168  | 107650   | 3.94   | ng    | 100            |
| 55) 4-Nitrophenol              | 9.76  | 139  | 40343    | 8.22   | ng    | # 27           |
| 56) 2,4-Dinitrotoluene         | 9.50  | 165  | 46486    | 6.93   | ng    | # 34           |
| 57) Fluorene                   | 10.17 | 166  | 67848    | 3.00   | ng    | 99             |
| 70) Phenanthrene               | 11.36 | 178  | 379463   | 13.16  | ng    | 98             |
| 74) Fluoranthene               | 12.82 | 202  | 187269   | 6.34   | ng    | 98             |
| 77) Pyrene                     | 13.09 | 202  | 119752   | 4.66   | ng    | 98             |

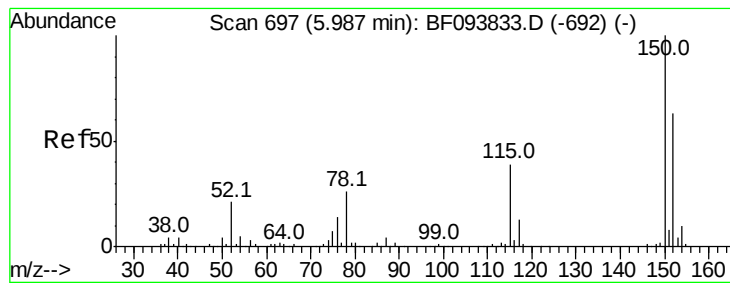
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.86 min Scan# 676

Delta R.T. -0.04 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

BASING-9(0-2)

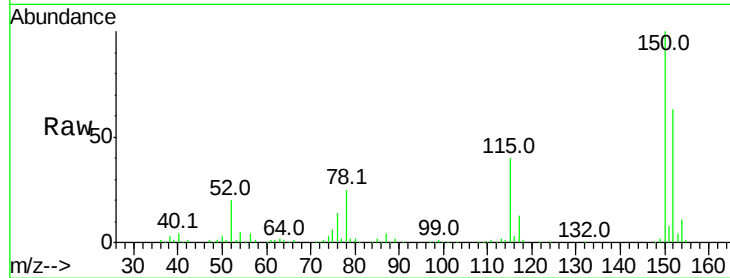
Tot Ion:152 Resp: 187068

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

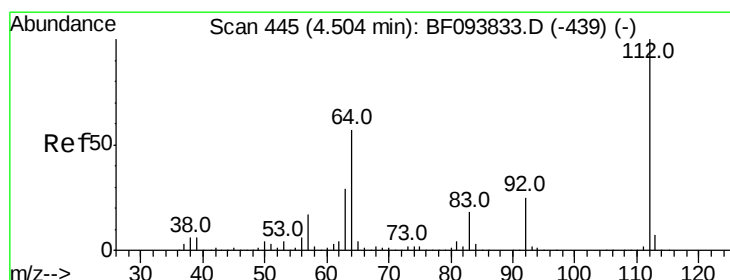
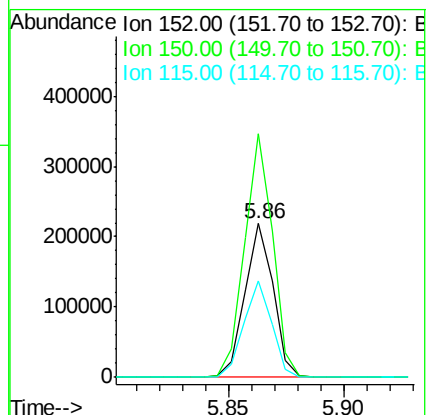
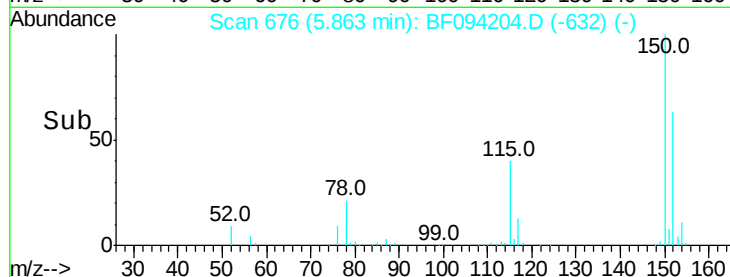
115 63.1 52.2 78.2



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: 105.98 ng

RT: 4.40 min Scan# 428

Delta R.T. -0.03 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

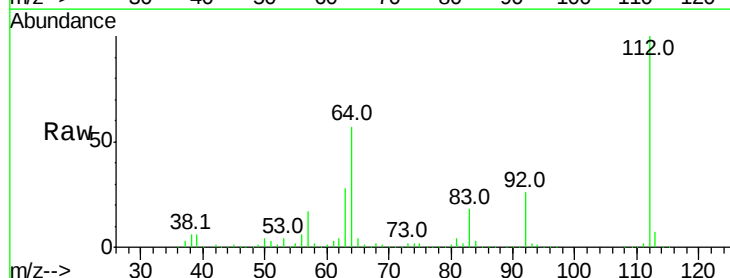
Tgt Ion:112 Resp: 1173749

Ion Ratio Lower Upper

112 100

64 56.5 46.0 69.0

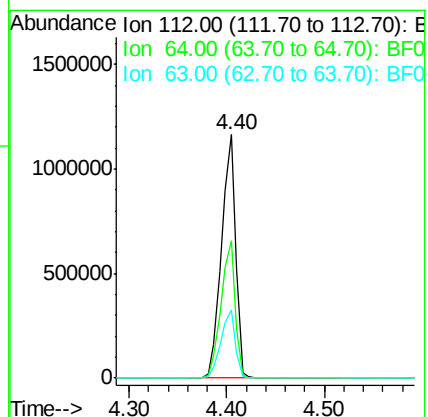
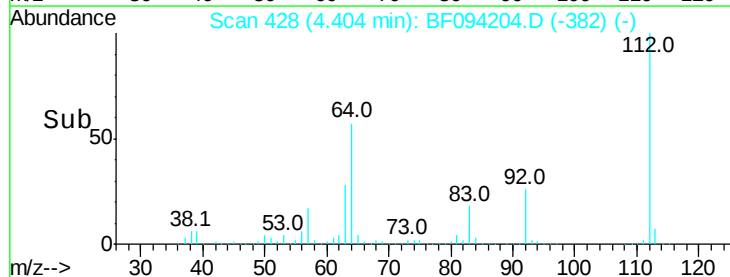
63 28.0 23.4 35.0

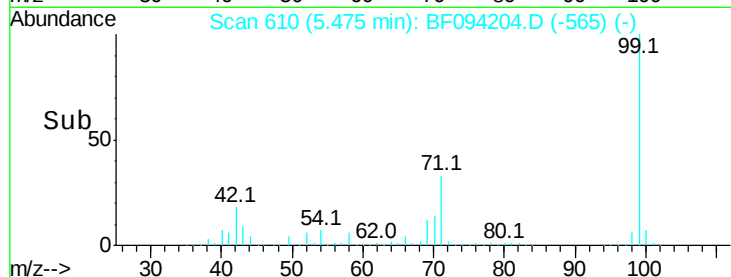
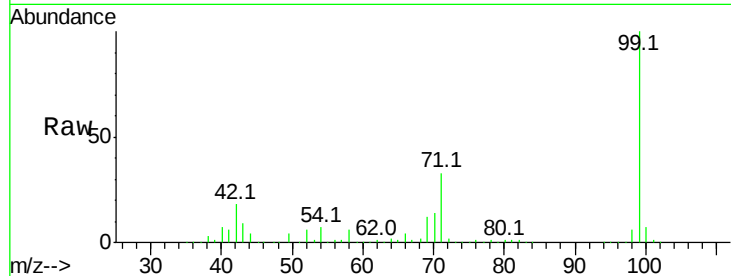
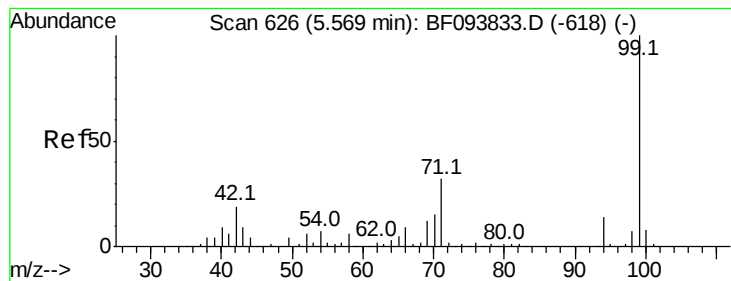


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.53 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.04 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

BASING-9(0-2)

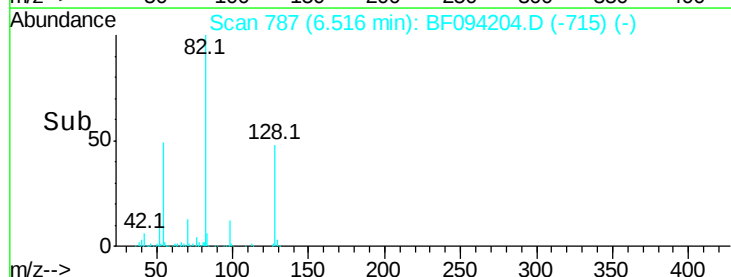
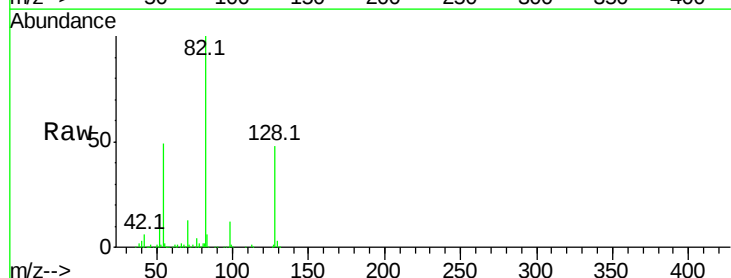
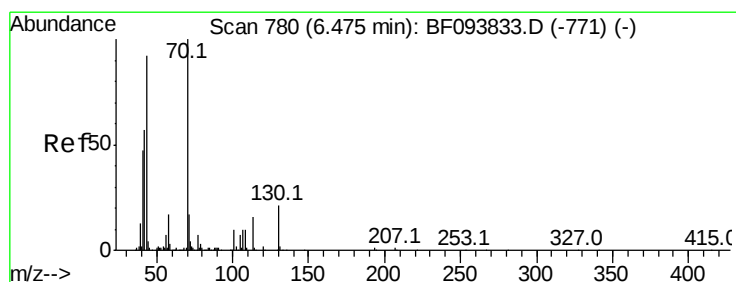
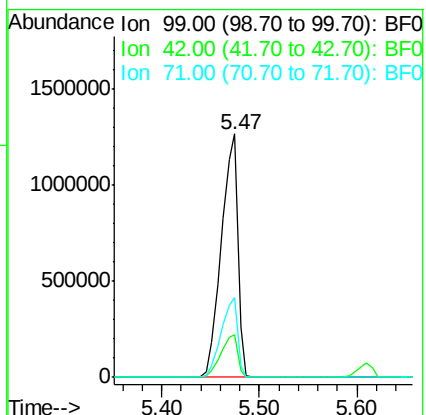
Tot Ion: 99 Resp: 1486968

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 32.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.11 ng

RT: 6.52 min Scan# 787

Delta R.T. 0.12 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

Tgt Ion: 70 Resp: 124243

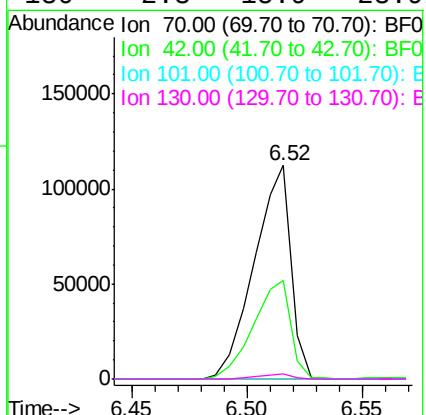
Ion Ratio Lower Upper

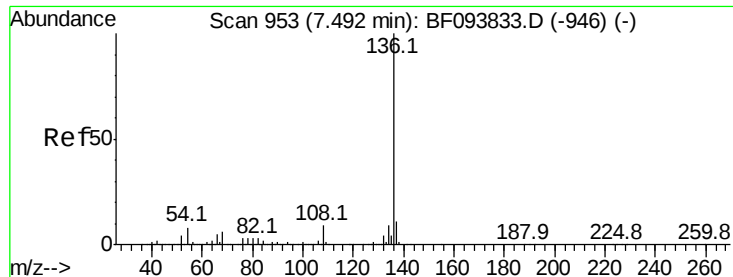
70 100

42 46.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.37 min Scan# 932

Delta R.T. -0.04 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

BASING-9(0-2)

Tot Ion:136 Resp: 754475

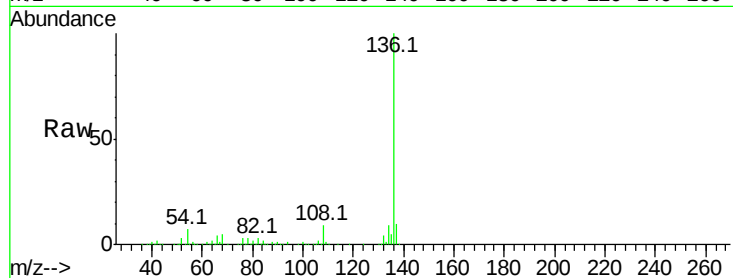
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.7 4.9 7.3

68 5.5 4.1 6.1

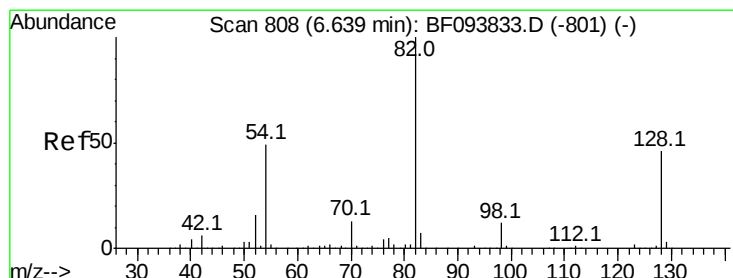
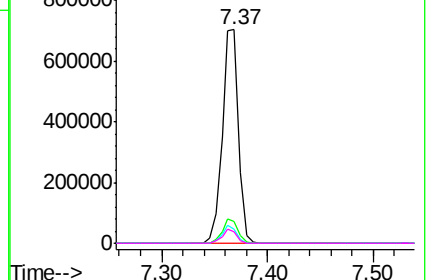
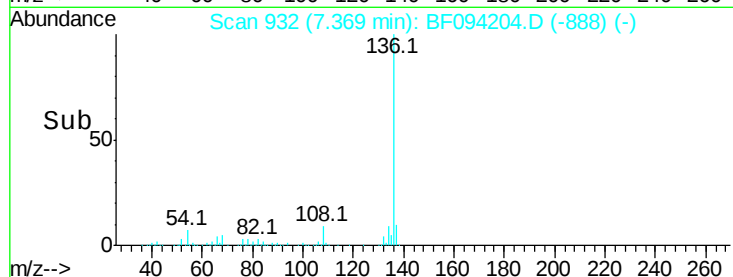


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.47 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.04 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

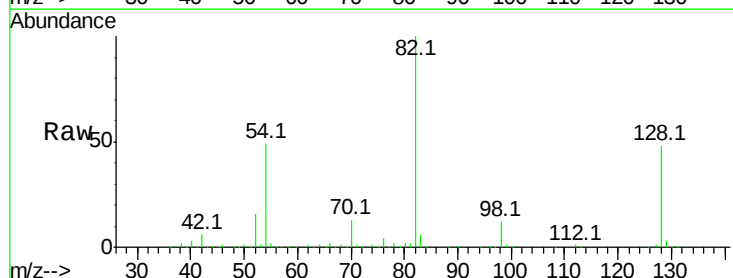
Tgt Ion: 82 Resp: 944866

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

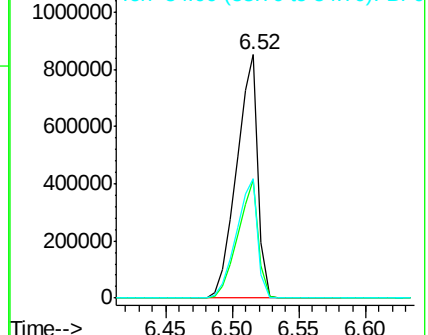
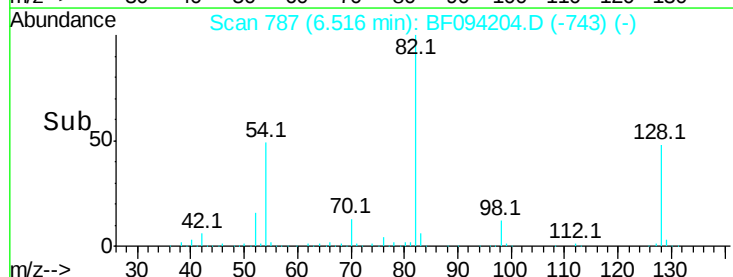
54 48.9 42.2 63.2

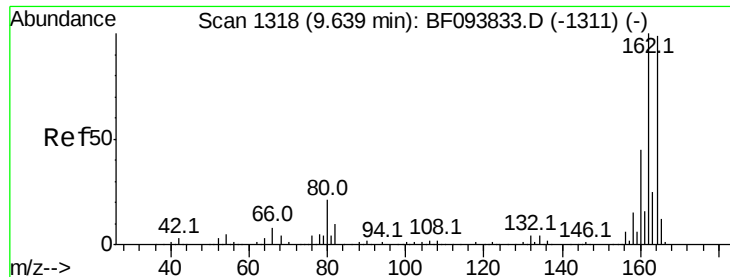


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

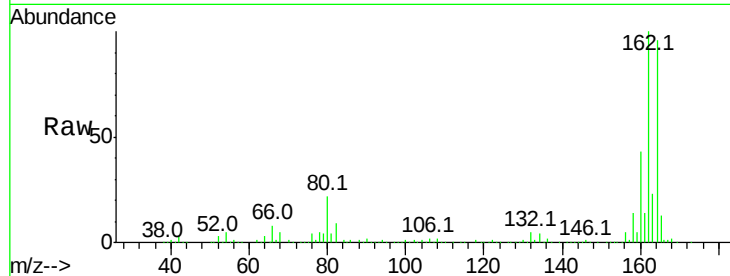




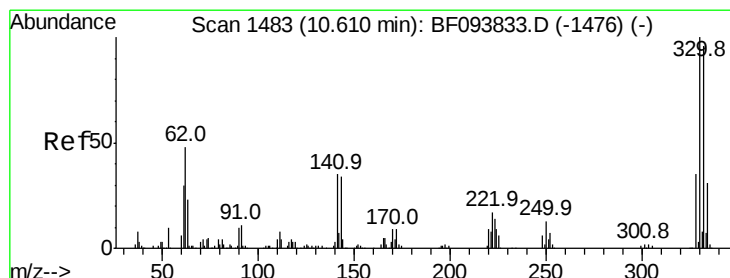
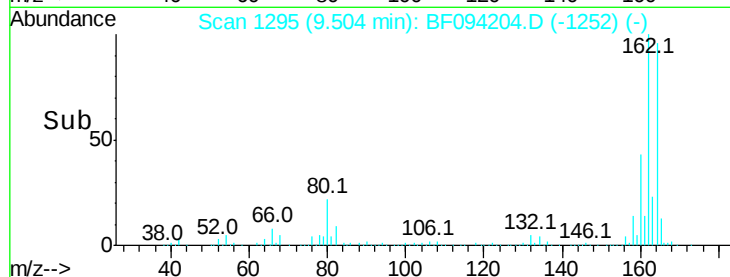
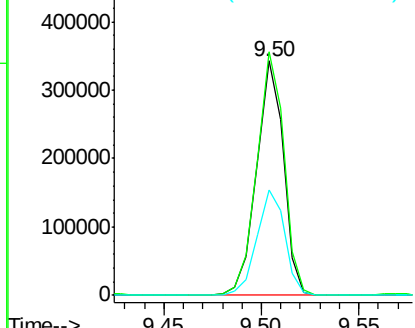
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.50 min Scan# 1295  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

Tot Ion:164 Resp: 327623  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.6 123.8  
160 44.8 36.2 54.2

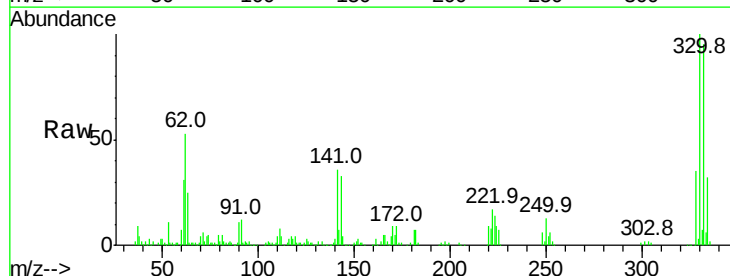


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

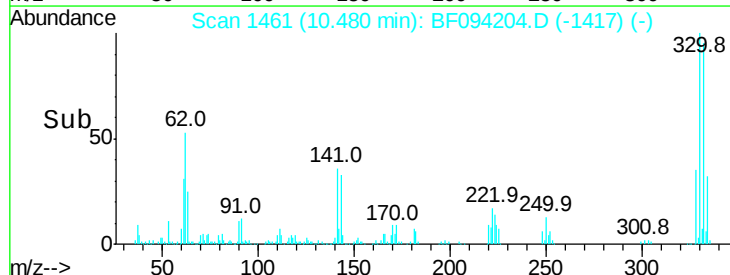
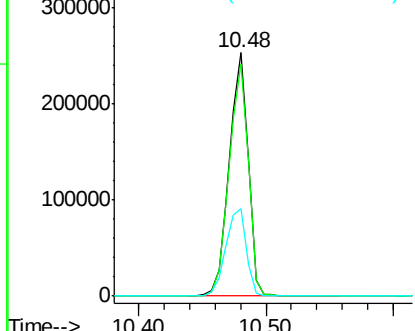


#41  
2,4,6-Tribromophenol  
Concen: 100.54 ng  
RT: 10.48 min Scan# 1461  
Delta R.T. -0.04 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Tgt Ion:330 Resp: 260284  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.6 115.0  
141 39.5 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

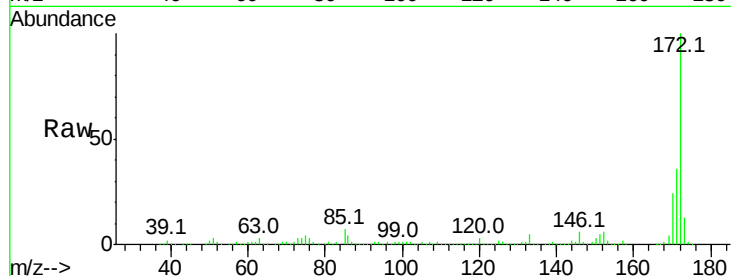




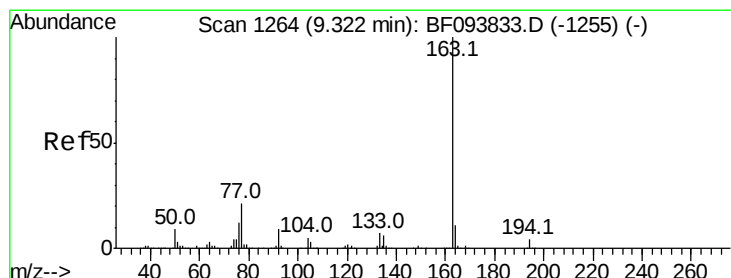
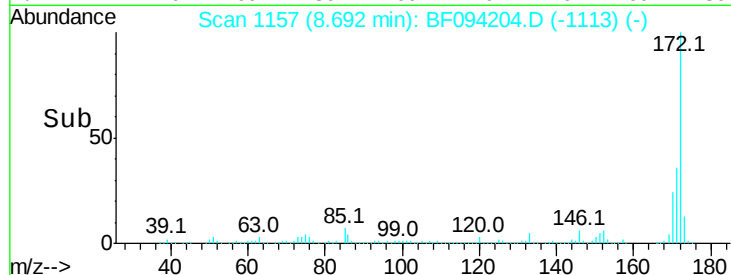
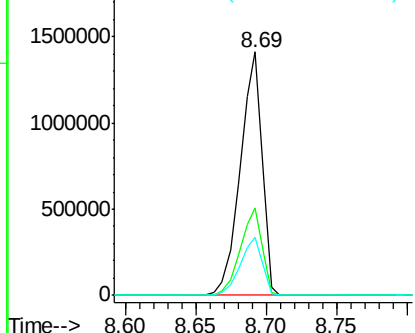
#44  
2-Fluorobiphenyl  
Concen: 70.26 ng  
RT: 8.69 min Scan# 1157  
Delta R.T. -0.04 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

Tot Ion:172 Resp: 1509247  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.6 44.4  
170 24.0 19.8 29.8

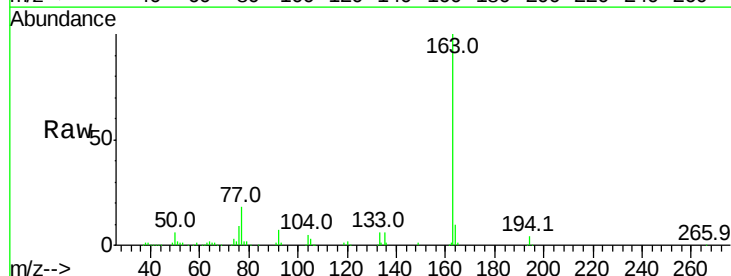


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

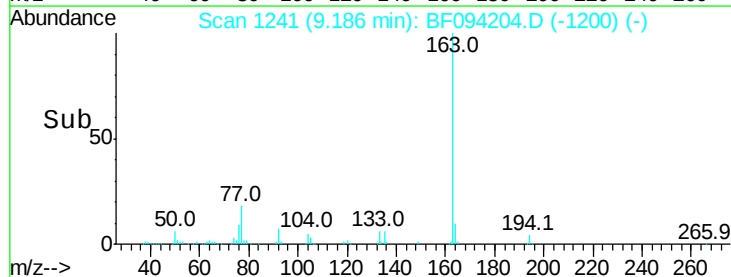
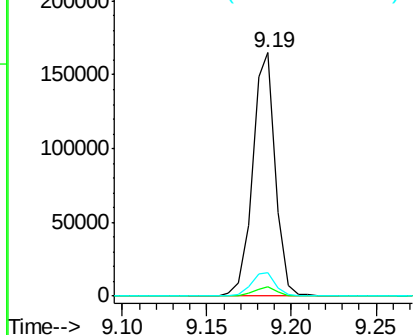


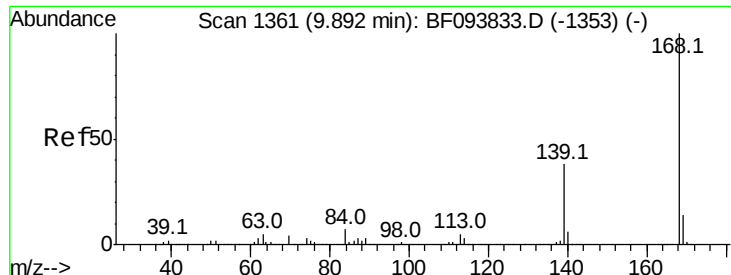
#49  
Dimethylphthalate  
Concen: 6.66 ng  
RT: 9.19 min Scan# 1241  
Delta R.T. -0.06 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Tgt Ion:163 Resp: 155211  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.6 4.0  
164 9.8 8.4 12.6



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

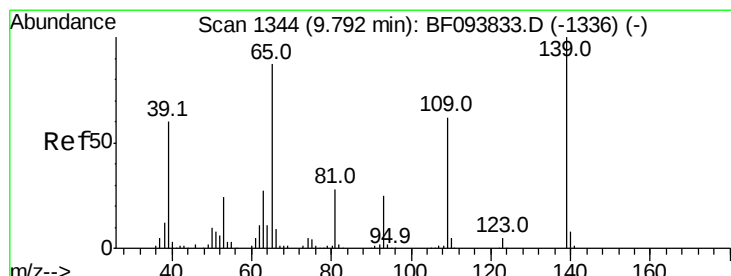
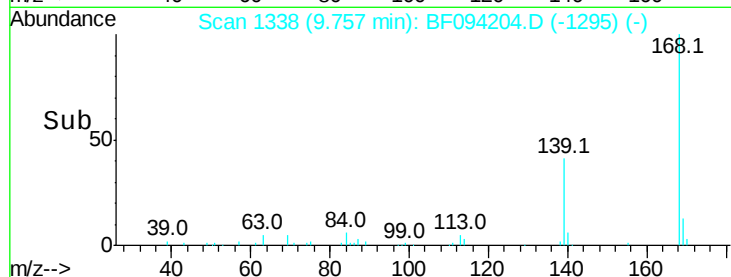
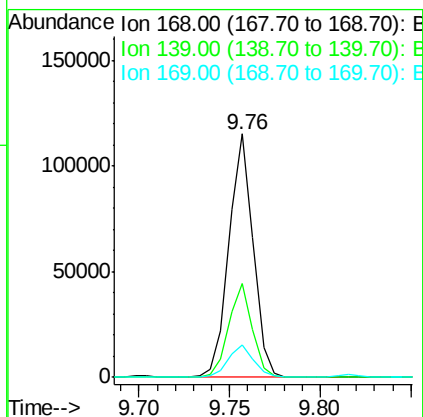
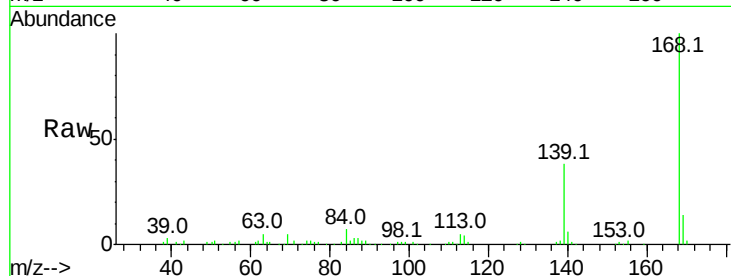




#54  
Dibenzofuran  
Concen: 3.94 ng  
RT: 9.76 min Scan# 1338  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

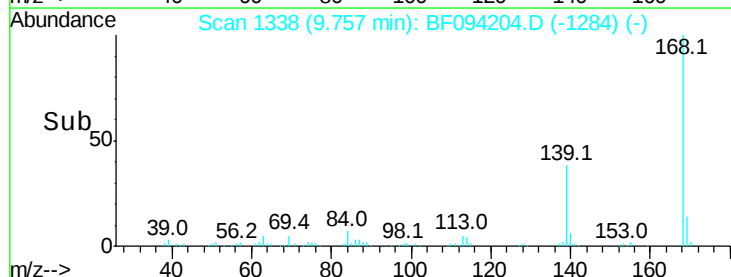
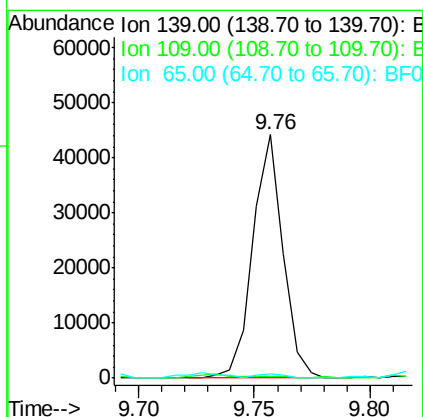
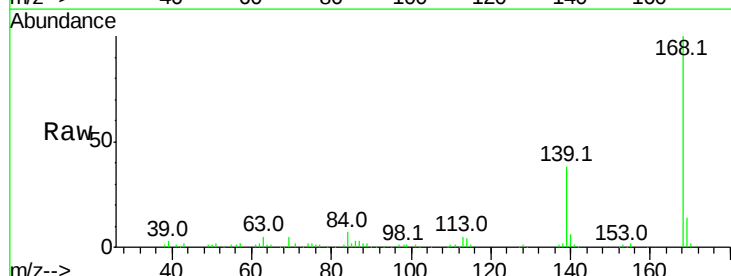
Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

Tot Ion:168 Resp: 107650  
Ion Ratio Lower Upper  
168 100  
139 38.3 30.6 45.8  
169 13.5 10.8 16.2



#55  
4-Nitrophenol  
Concen: 8.22 ng  
RT: 9.76 min Scan# 1338  
Delta R.T. 0.02 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Tgt Ion:139 Resp: 40343  
Ion Ratio Lower Upper  
139 100  
109 0.8 34.1 74.1#  
65 1.7 31.4 71.4#

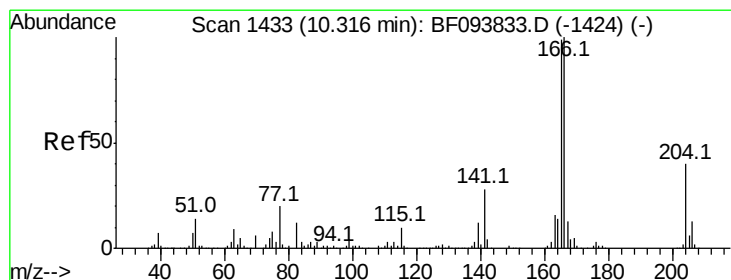
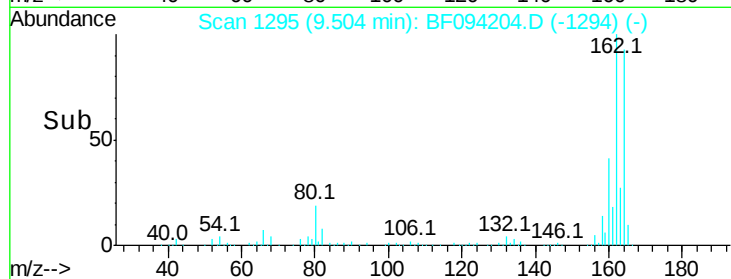
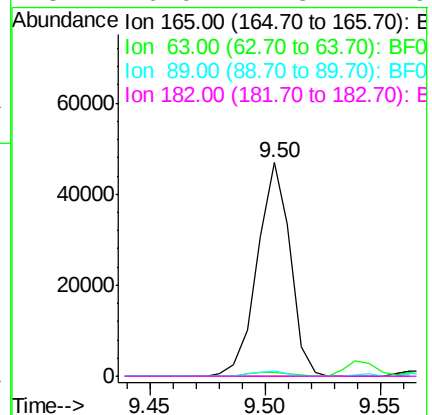
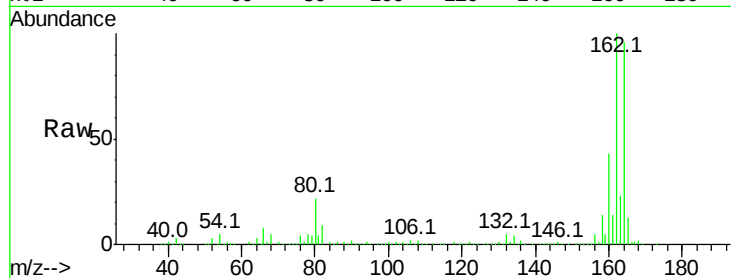




#56  
2,4-Dinitrotoluene  
Concen: 6.93 ng  
RT: 9.50 min Scan# 1295  
Delta R.T. -0.29 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

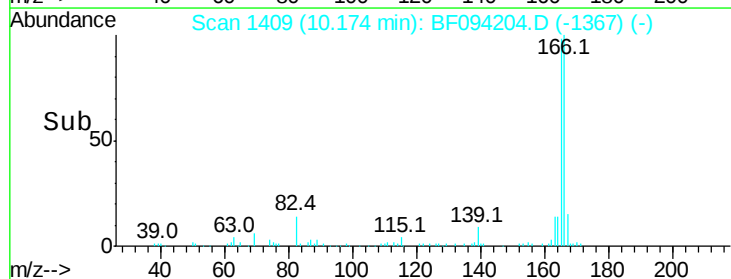
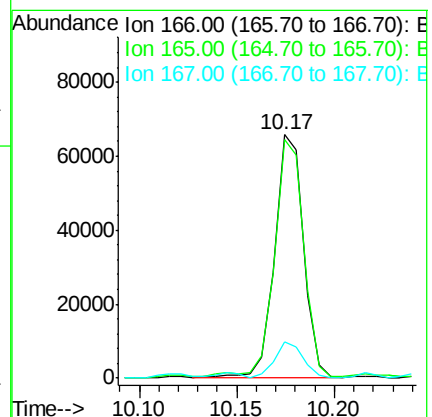
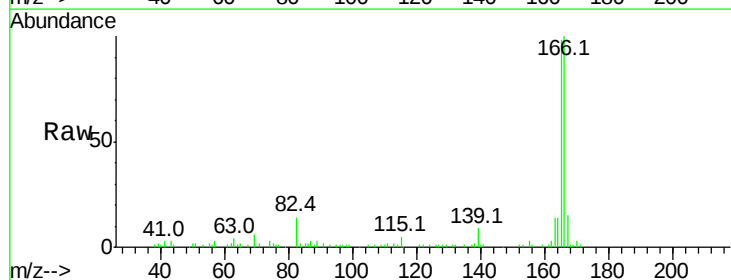
Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

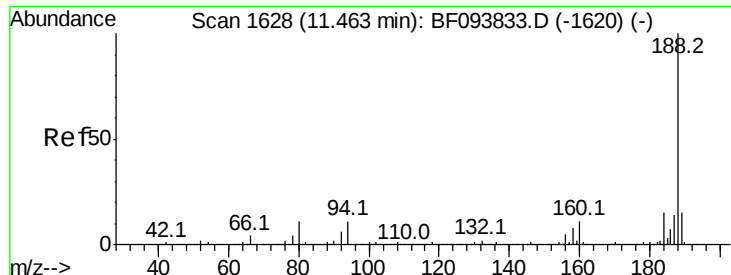
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.8   | 25.4  | 38.0# |
| 89      | 2.2   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



#57  
Fluorene  
Concen: 3.00 ng  
RT: 10.17 min Scan# 1409  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.8  | 78.8  | 118.2 |
| 167     | 15.1  | 10.6  | 16.0  |

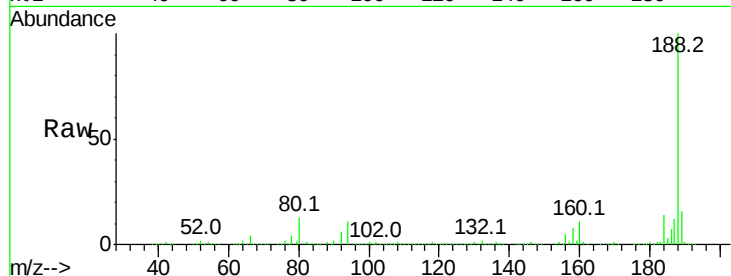




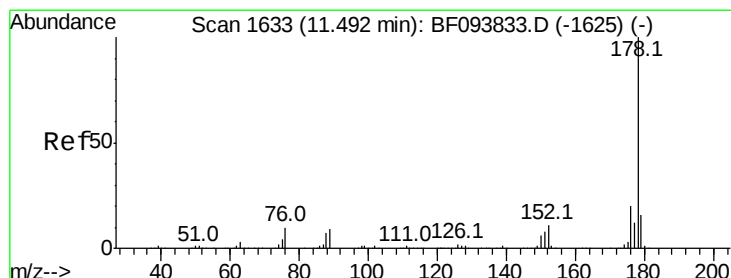
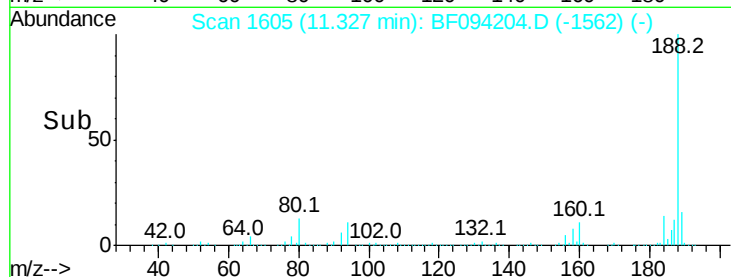
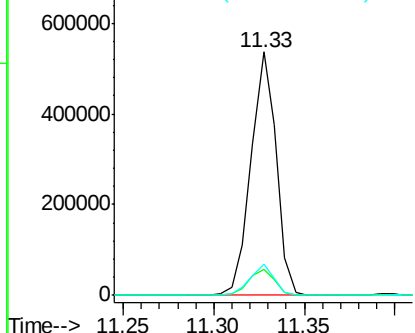
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.33 min Scan# 1605  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

Tot Ion:188 Resp: 518433  
Ion Ratio Lower Upper  
188 100  
94 10.7 9.4 14.2  
80 12.7 10.2 15.2

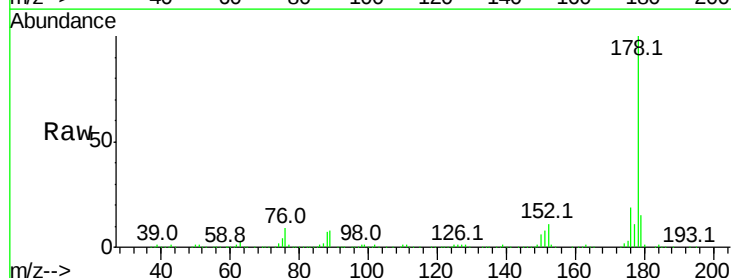


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

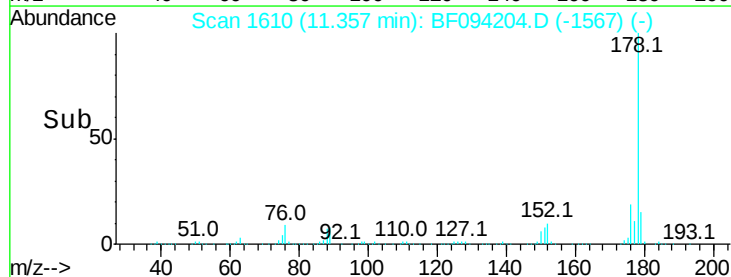
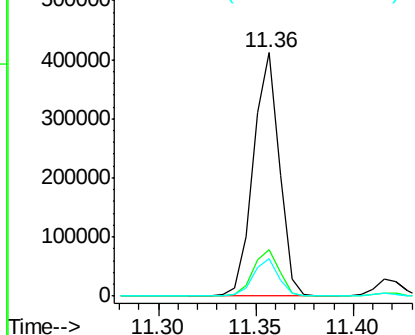


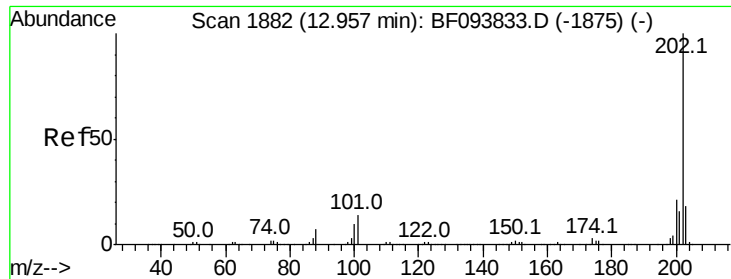
#70  
Phenanthrene  
Concen: 13.16 ng  
RT: 11.36 min Scan# 1610  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Tgt Ion:178 Resp: 379463  
Ion Ratio Lower Upper  
178 100  
176 18.9 16.2 24.4  
179 15.4 12.6 19.0



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

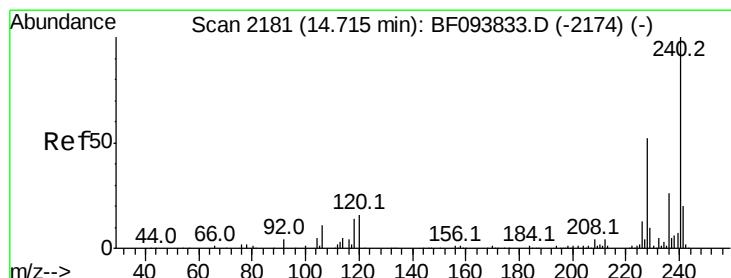
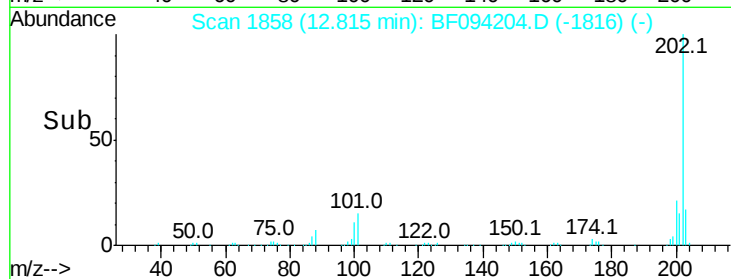
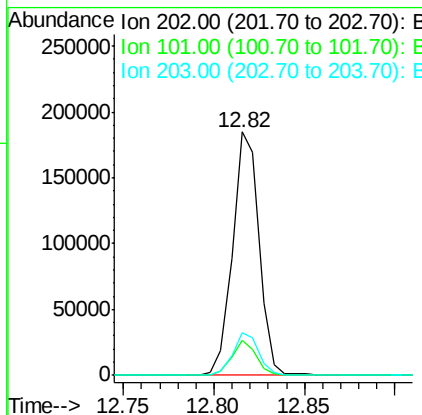
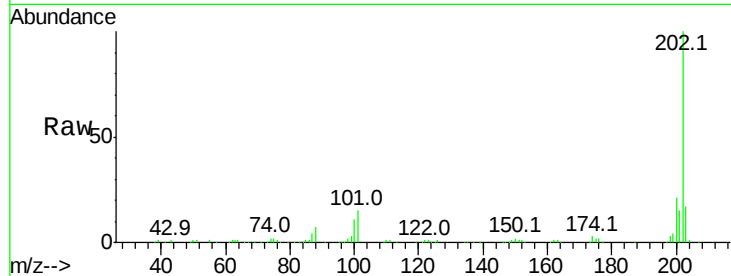




#74  
 Fluoranthene  
 Concen: 6.34 ng  
 RT: 12.82 min Scan# 1858  
 Delta R.T. -0.05 min  
 Lab File: BF094204.D  
 Acq: 5 Apr 2017 22:06

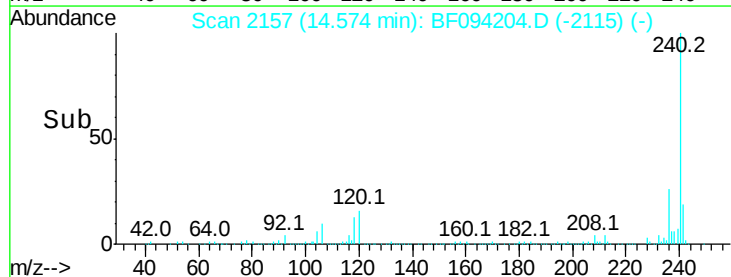
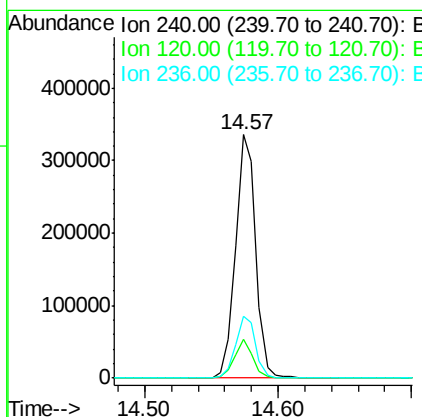
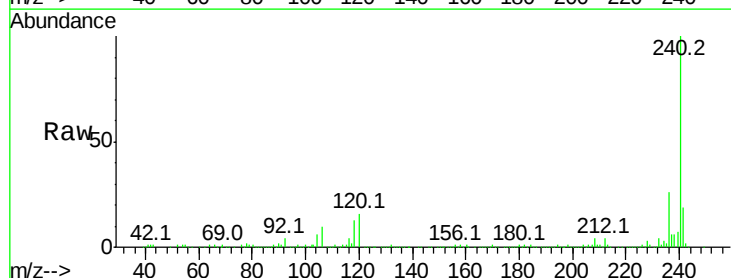
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BASING-9(0-2)

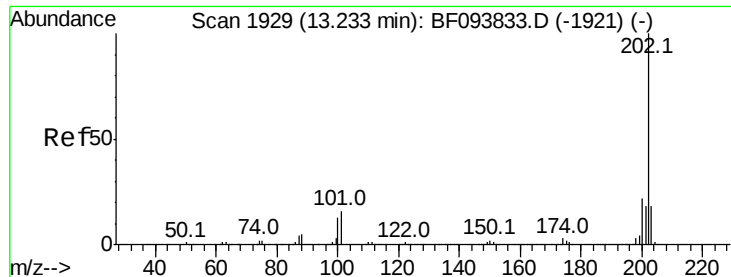
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.6  | 0.0   | 33.2  |
| 203     | 17.3  | 0.0   | 38.1  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.57 min Scan# 2157  
 Delta R.T. -0.05 min  
 Lab File: BF094204.D  
 Acq: 5 Apr 2017 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.1  | 5.8   | 8.8#  |
| 236     | 25.6  | 20.5  | 30.7  |





#77

Pvrene

Concen: 4.66 ng

RT: 13.09 min Scan# 1905

Delta R.T. -0.05 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

Instrument :

BNA\_F

ClientSampleId :

BASING-9(0-2)

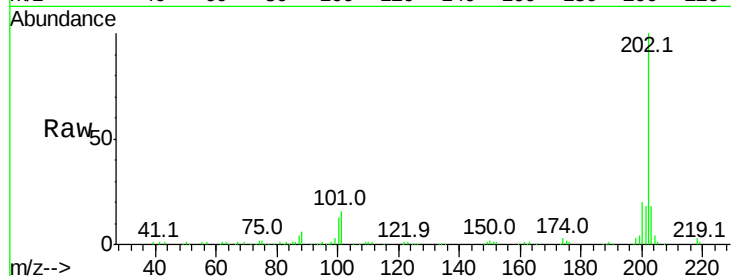
Tot Ion:202 Resp: 119752

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

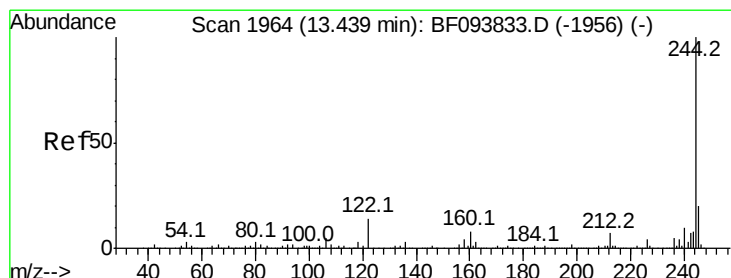
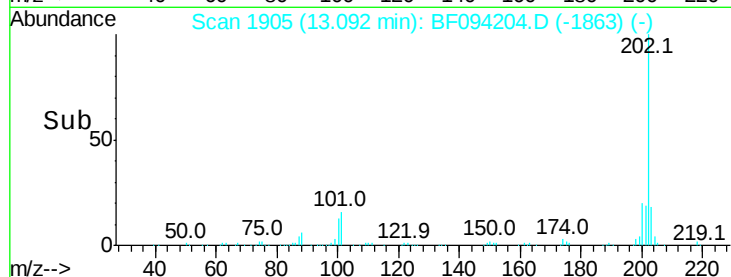
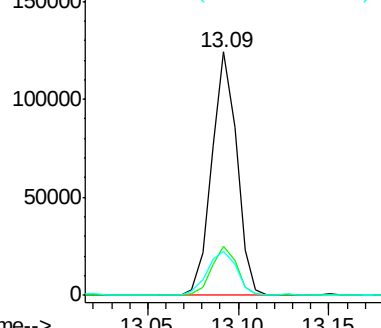
203 17.8 14.4 21.6



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: 56.11 ng

RT: 13.30 min Scan# 1941

Delta R.T. -0.05 min

Lab File: BF094204.D

Acq: 5 Apr 2017 22:06

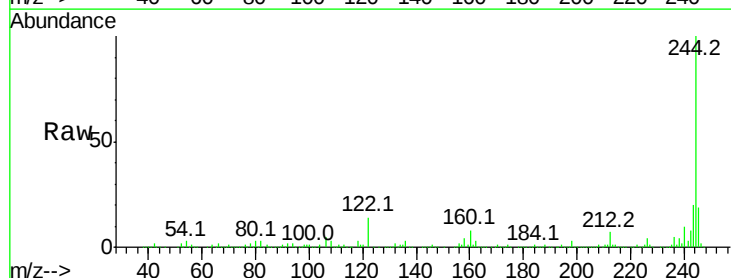
Tgt Ion:244 Resp: 886696

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

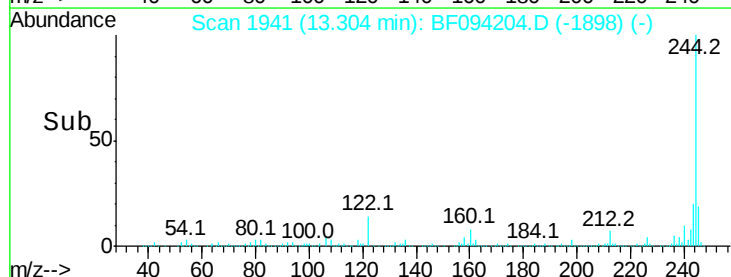
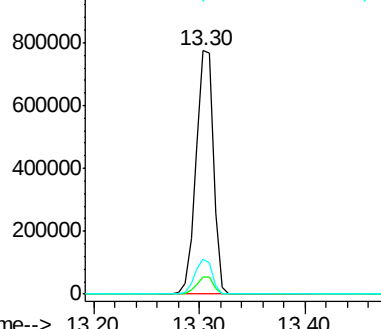
122 14.5 10.3 15.5

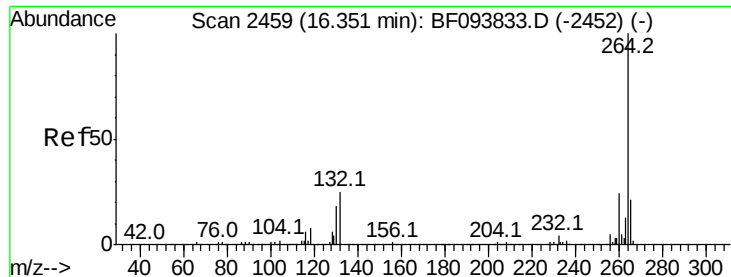


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

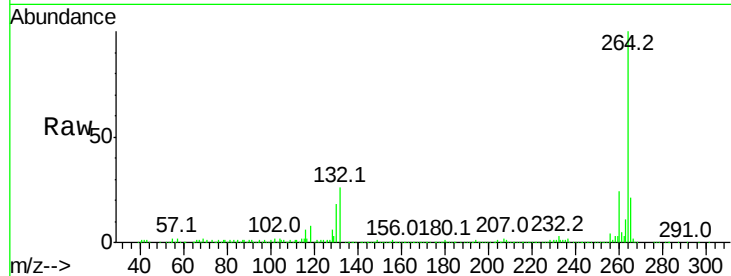




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.20 min Scan# 2434  
Delta R.T. -0.05 min  
Lab File: BF094204.D  
Acq: 5 Apr 2017 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
BASING-9(0-2)

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 303424 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.9  | 19.5  | 29.3   |
| 265      | 21.2  | 17.2  | 25.8   |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

