

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011617\  
 Data File : BF092302.D  
 Acq On : 16 Jan 2017 23:17  
 Operator : UM/SJ  
 Sample : I1162-04  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-COMP

Quant Time: Jan 17 00:47:34 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 15:43:51 2017  
 Response via : Initial Calibration

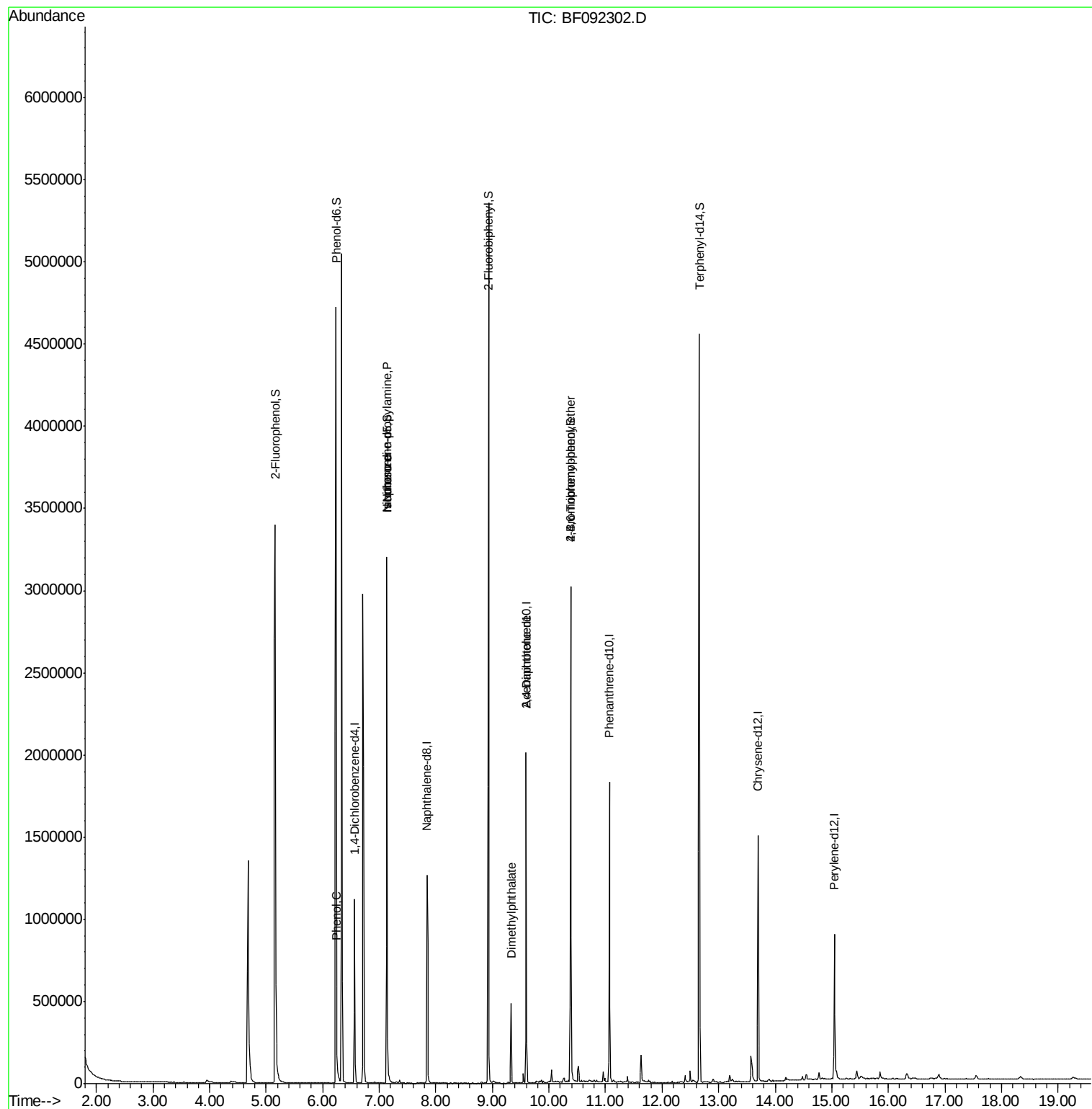
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.56  | 152  | 196568   | 20.00     | ng    | -0.08    |
| 21) Naphthalene-d8             | 7.84  | 136  | 781432   | 20.00     | ng    | -0.09    |
| 38) Acenaphthene-d10           | 9.59  | 164  | 410285   | 20.00     | ng    | -0.09    |
| 63) Phenanthrene-d10           | 11.07 | 188  | 669048   | 20.00     | ng    | -0.09    |
| 75) Chrysene-d12               | 13.70 | 240  | 523938   | 20.00     | ng    | -0.09    |
| 86) Perylene-d12               | 15.05 | 264  | 373593   | 20.00     | ng    | -0.10    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.16  | 112  | 1482831  | 125.96    | ng    | -0.08    |
| 7) Phenol-d6                   | 6.23  | 99   | 1855172  | 129.07    | ng    | -0.08    |
| 23) Nitrobenzene-d5            | 7.14  | 82   | 1097424  | 78.09     | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol       | 10.38 | 330  | 384204   | 113.15    | ng    | -0.09    |
| 44) 2-Fluorobiphenyl           | 8.93  | 172  | 1706643  | 85.27     | ng    | -0.08    |
| 78) Terphenyl-d14              | 12.66 | 244  | 1404594  | 65.02     | ng    | -0.09    |
| Target Compounds               |       |      |          |           |       |          |
| 10) Phenol                     | 6.24  | 94   | 94914    | 5.80      | ng    | # 66     |
| 19) n-Nitroso-di-n-propylamine | 7.14  | 70   | 144631   | 15.13     | ng    | # 77     |
| 25) Isophorone                 | 7.14  | 82   | 1098486  | 42.37     | ng    | # 65     |
| 49) Dimethylphthalate          | 9.33  | 163  | 202081   | 7.70      | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.59  | 165  | 53692    | 7.45      | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 10.38 | 248  | 22646    | 3.25      | ng    | # 1      |
| 71) Anthracene                 | 11.09 | 178  | 1466     | Below Cal |       | # 69     |
| 73) Di-n-butylphthalate        | 11.65 | 149  | 3187     | Below Cal |       | # 89     |
| 74) Fluoranthene               | 12.28 | 202  | 1766     | Below Cal |       | 90       |
| 76) Benzidine                  | 12.66 | 184  | 19591    | Below Cal |       | # 96     |

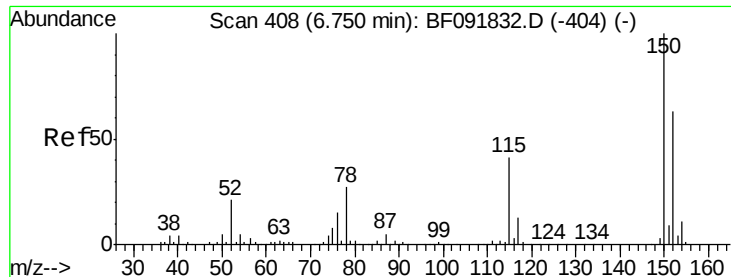
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011617\  
Data File : BF092302.D  
Acq On : 16 Jan 2017 23:17  
Operator : UM/SJ  
Sample : I1162-04  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-COMP

Quant Time: Jan 17 00:47:34 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 06 15:43:51 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

Instrument :

BNA\_F

ClientSampleId :

SB-45-COMP

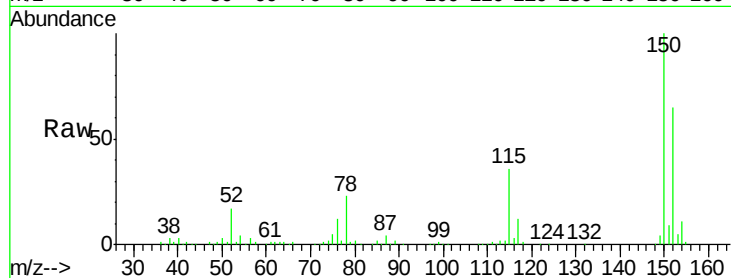
Tgt Ion:152 Resp: 196568

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

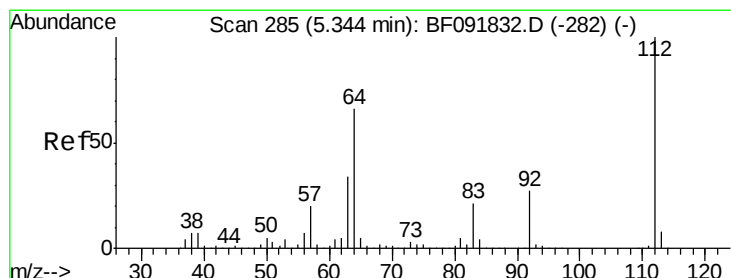
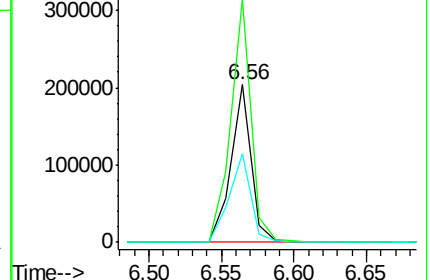
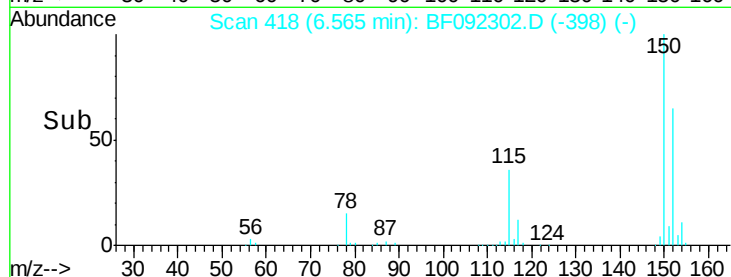
115 56.0 46.0 69.0



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: 125.96 ng

RT: 5.16 min Scan# 295

Delta R.T. -0.08 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

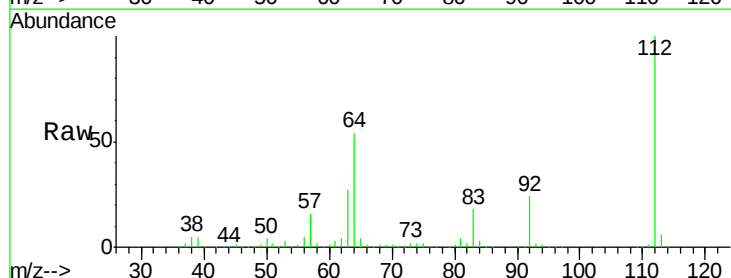
Tgt Ion:112 Resp: 1482831

Ion Ratio Lower Upper

112 100

64 54.1 46.1 69.1

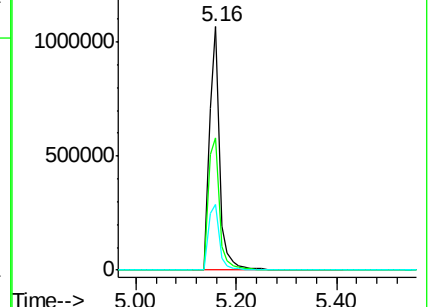
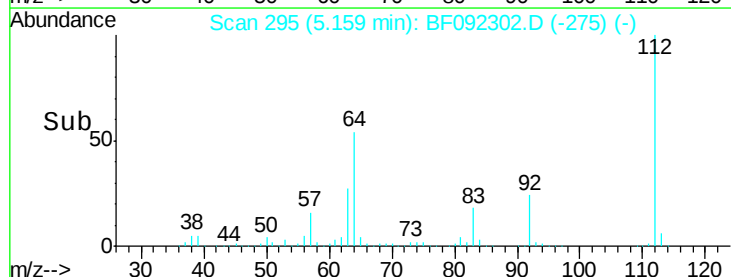
63 27.2 23.8 35.6



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: 129.07 ng

RT: 6.23 min Scan# 389

Delta R.T. -0.08 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

Instrument :

BNA\_F

ClientSampleId :

SB-45-COMP

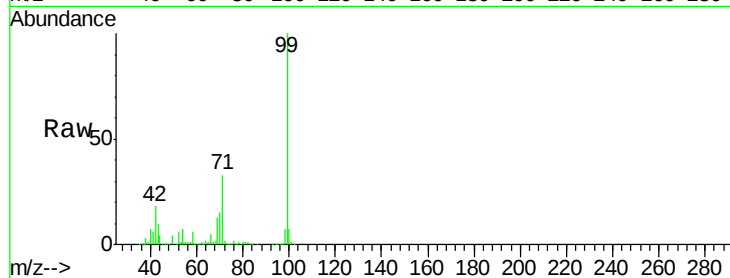
Tgt Ion: 99 Resp: 1855172

Ion Ratio Lower Upper

99 100

42 18.0 15.6 23.4

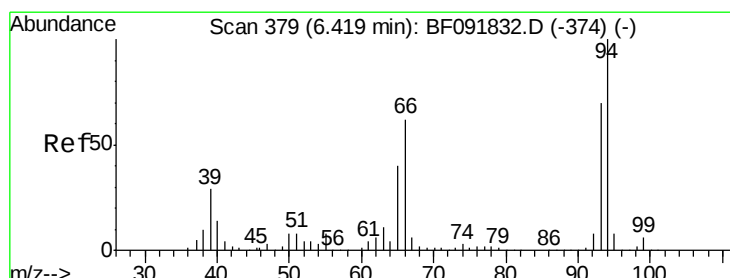
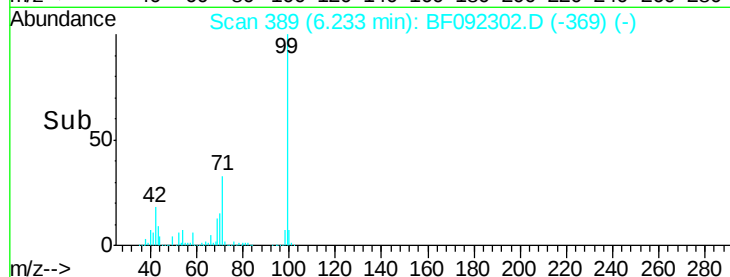
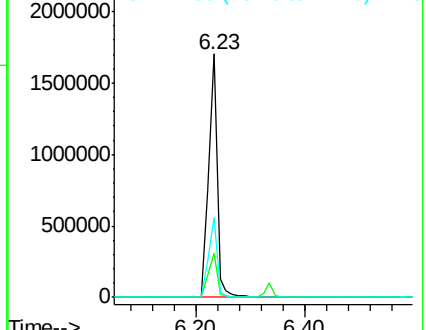
71 32.6 27.5 41.3



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



#10

Phenol

Concen: 5.80 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.08 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

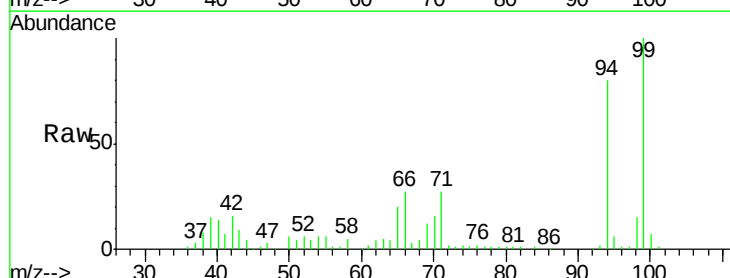
Tgt Ion: 94 Resp: 94914

Ion Ratio Lower Upper

94 100

65 24.7 21.4 61.4

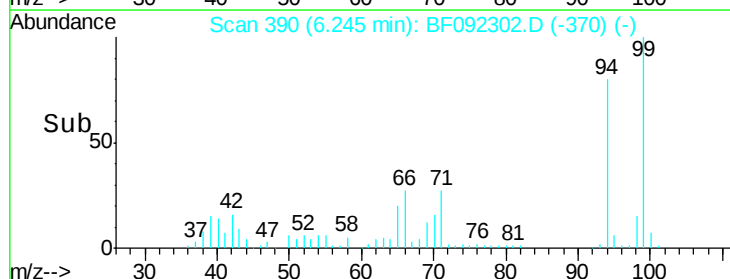
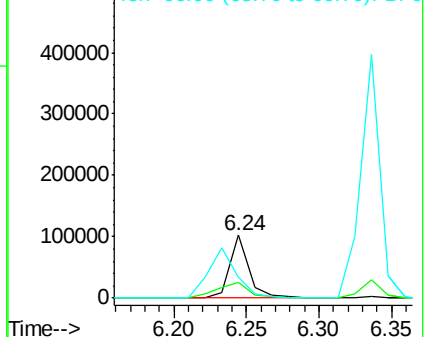
66 34.2 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

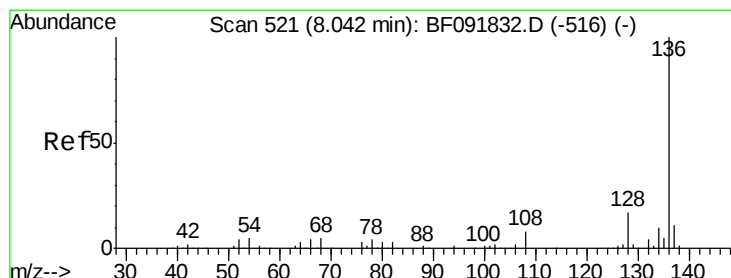
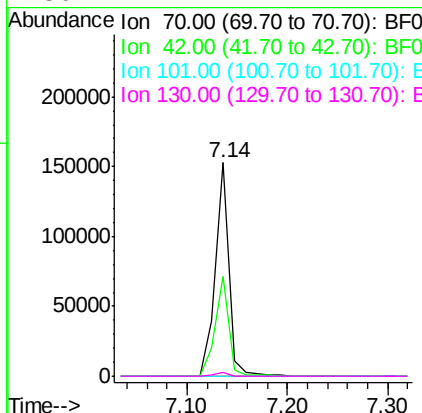
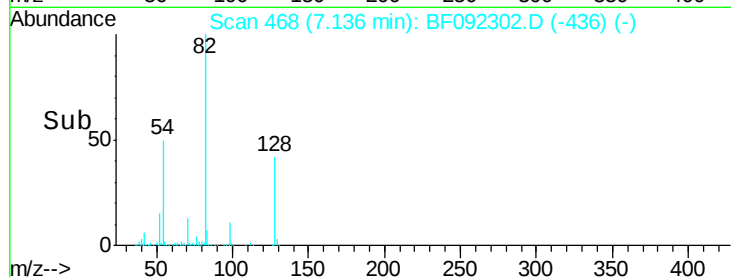
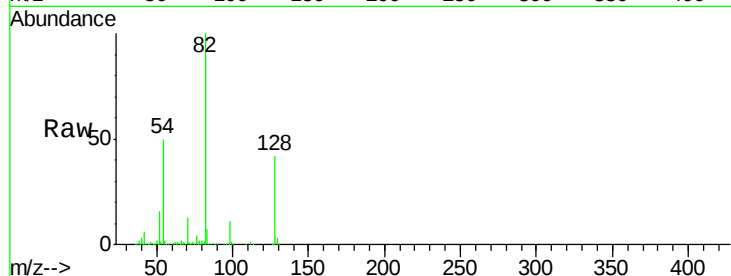




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.13 ng  
RT: 7.14 min Scan# 468  
Delta R.T. 0.06 min  
Lab File: BF092302.D  
Acq: 16 Jan 2017 23:17

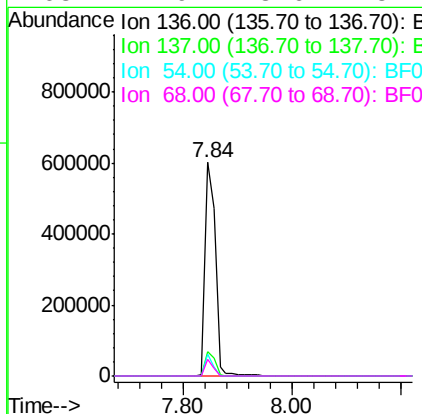
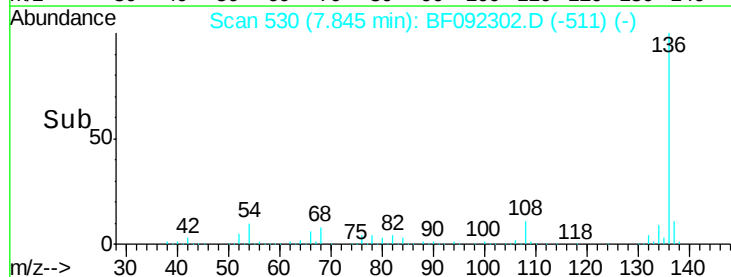
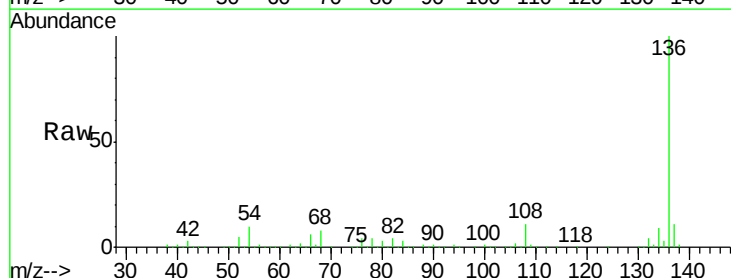
Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-COMP

Tgt Ion: 70 Resp: 144631  
Ion Ratio Lower Upper  
70 100  
42 46.7 49.4 74.0#  
101 0.0 7.4 11.2#  
130 2.1 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.84 min Scan# 530  
Delta R.T. -0.09 min  
Lab File: BF092302.D  
Acq: 16 Jan 2017 23:17

Tgt Ion: 136 Resp: 781432  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.4 12.6  
54 10.0 4.5 6.7#  
68 7.9 3.6 5.4#

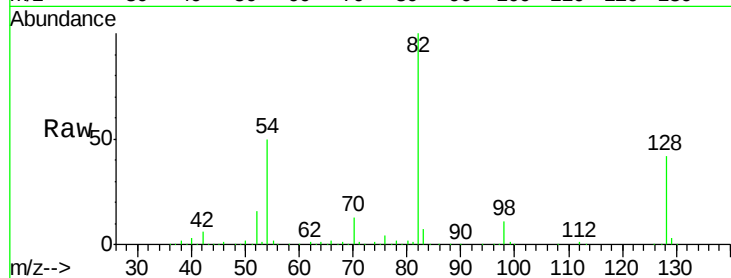




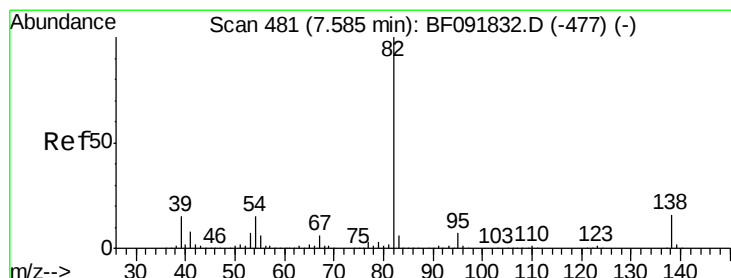
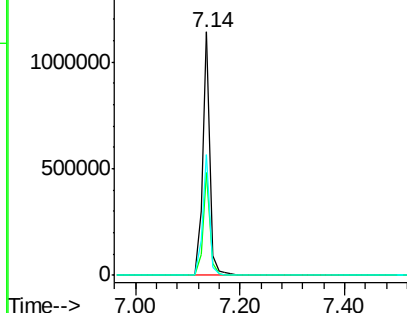
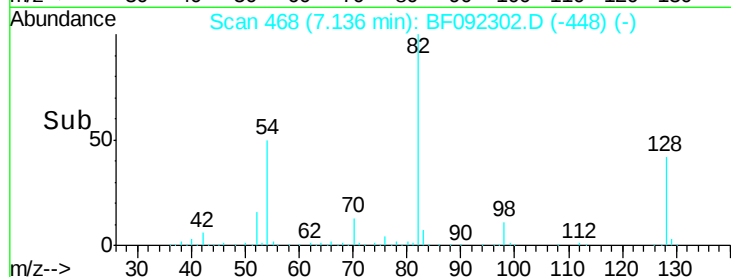
#23  
 Nitrobenzene-d5  
 Concen: 78.09 ng  
 RT: 7.14 min Scan# 468  
 Delta R.T. -0.08 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-COMP

Tgt Ion: 82 Resp: 1097424  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 34.6 52.0  
 54 49.7 39.5 59.3

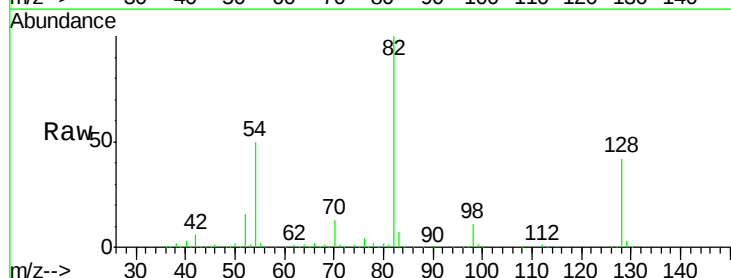


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

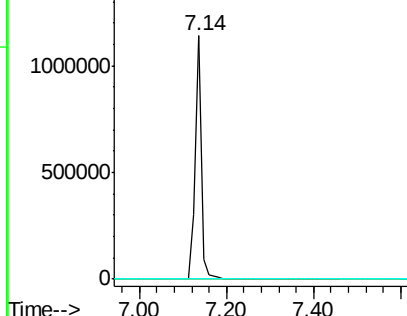
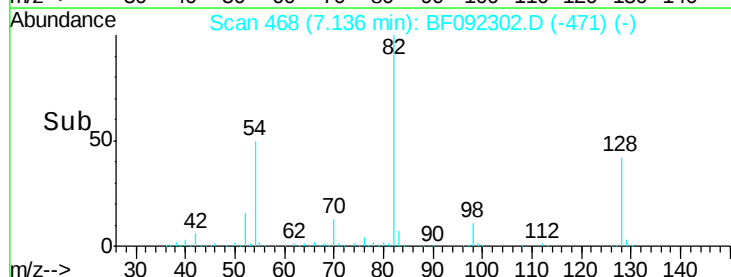


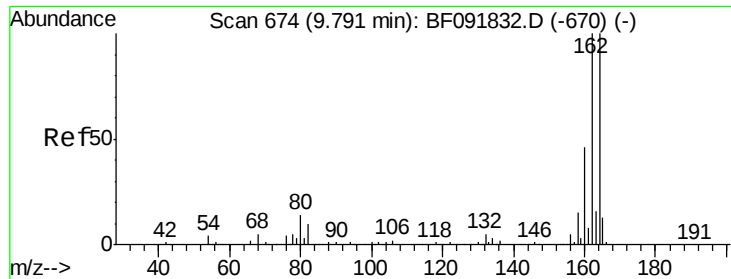
#25  
 Isophorone  
 Concen: 42.37 ng  
 RT: 7.14 min Scan# 468  
 Delta R.T. -0.34 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

Tgt Ion: 82 Resp: 1098486  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.09 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

Instrument :

BNA\_F

ClientSampleId :

SB-45-COMP

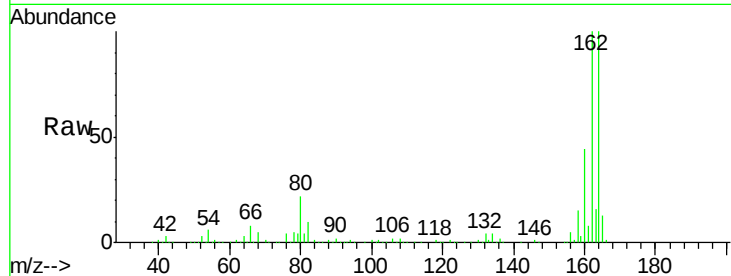
Tgt Ion:164 Resp: 410285

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

160 44.6 36.9 55.3



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

600000

500000

400000

300000

200000

100000

0

9.59

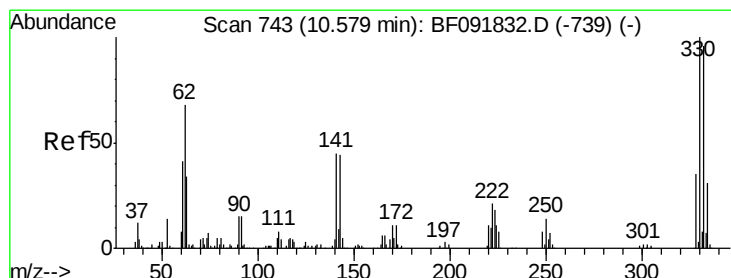
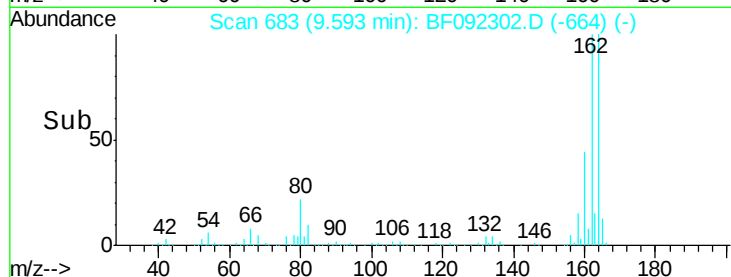
9.55

9.60

9.65

9.70

Time-->



#41

2,4,6-Tribromophenol

Concen: 113.15 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.09 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

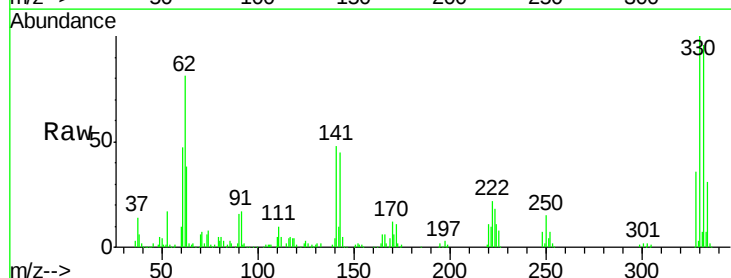
Tgt Ion:330 Resp: 384204

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

141 35.4 34.1 51.1



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

400000

300000

200000

100000

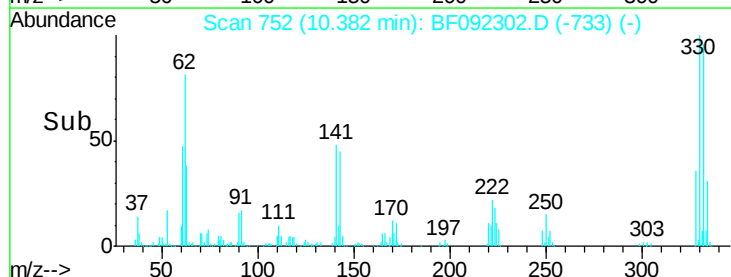
0

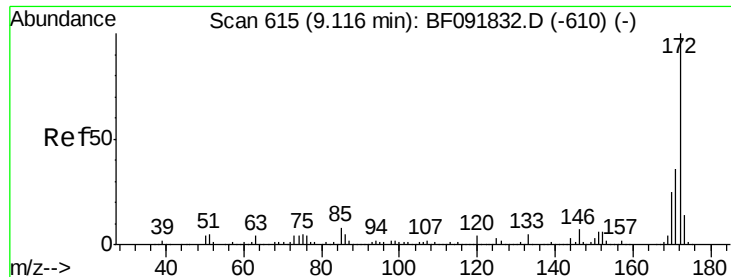
10.38

10.40

10.60

Time-->

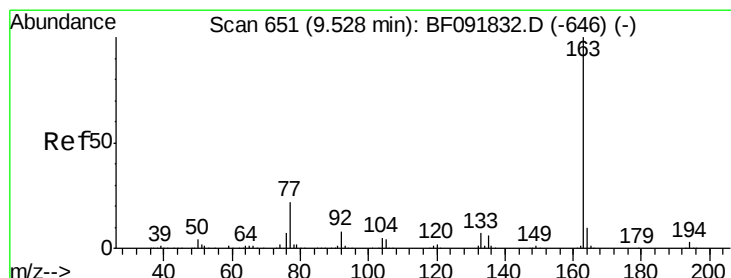
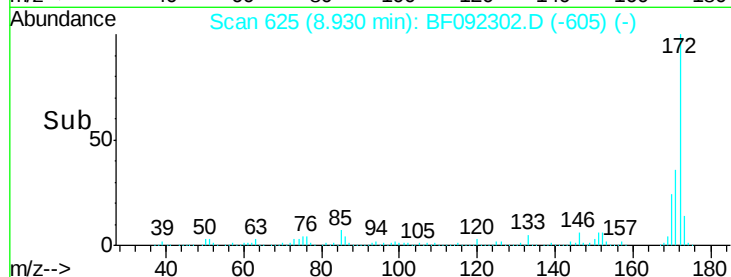
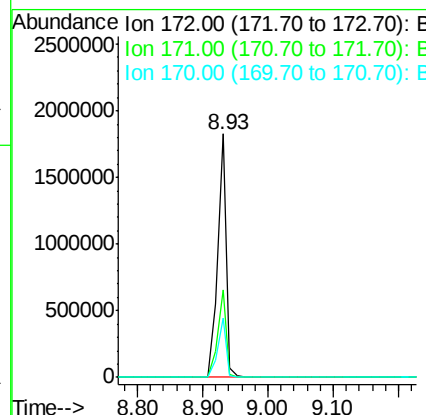
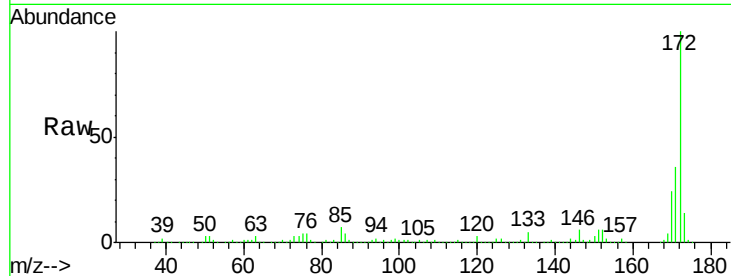




#44  
 2-Fluorobiphenyl  
 Concen: 85.27 ng  
 RT: 8.93 min Scan# 625  
 Delta R.T. -0.08 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

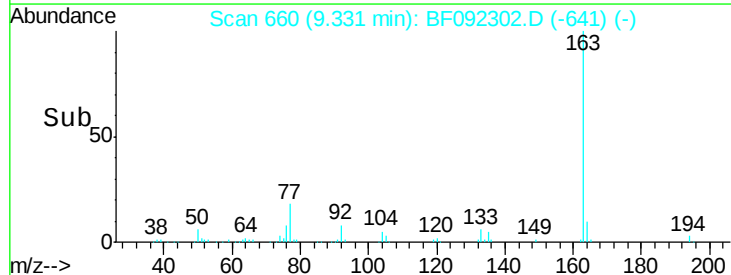
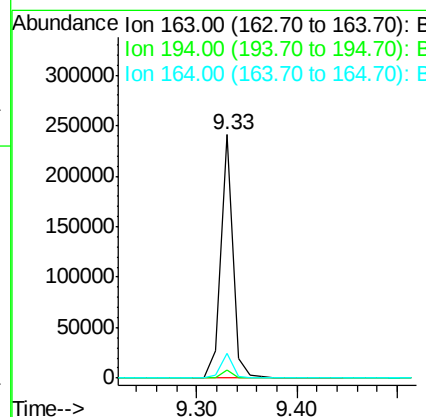
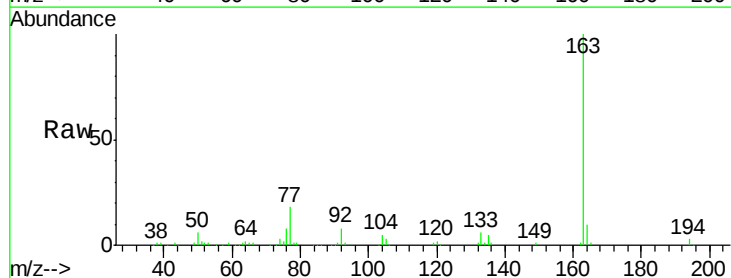
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-COMP

Tgt Ion:172 Resp: 1706643  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.4 44.0  
 170 24.3 20.2 30.4



#49  
 Dimethylphthalate  
 Concen: 7.70 ng  
 RT: 9.33 min Scan# 660  
 Delta R.T. -0.09 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

Tgt Ion:163 Resp: 202081  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 3.0 4.4  
 164 9.9 8.0 12.0

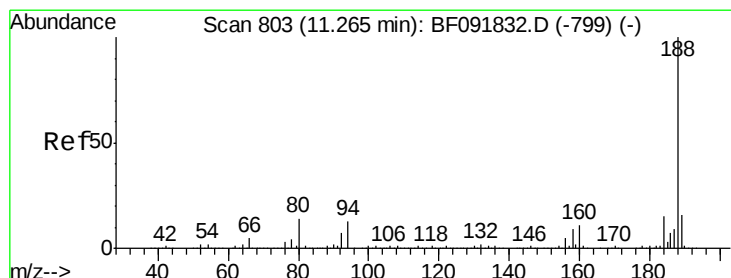
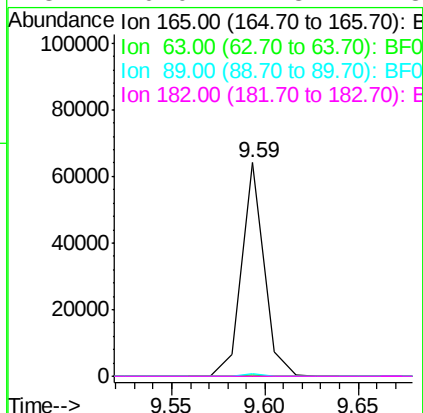
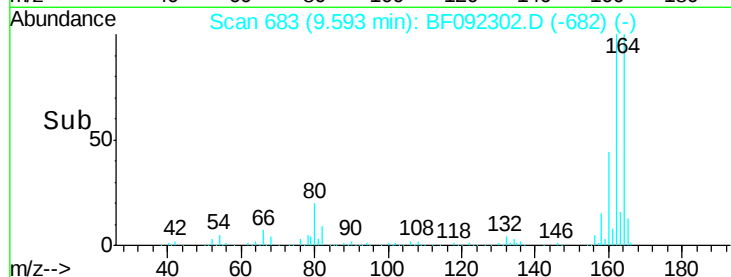
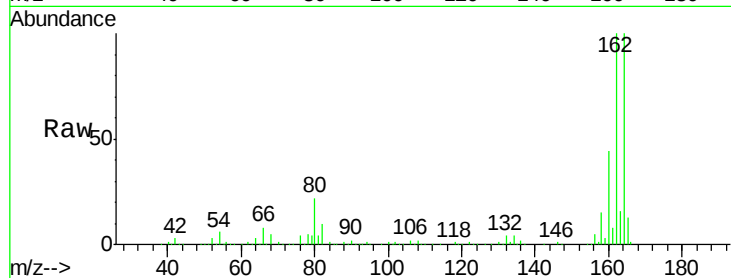




#56  
2,4-Dinitrotoluene  
Concen: 7.45 ng  
RT: 9.59 min Scan# 683  
Delta R.T. -0.29 min  
Lab File: BF092302.D  
Acq: 16 Jan 2017 23:17

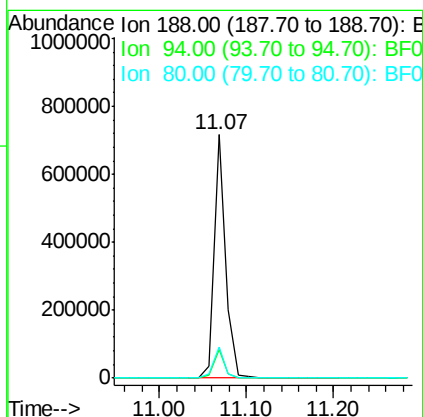
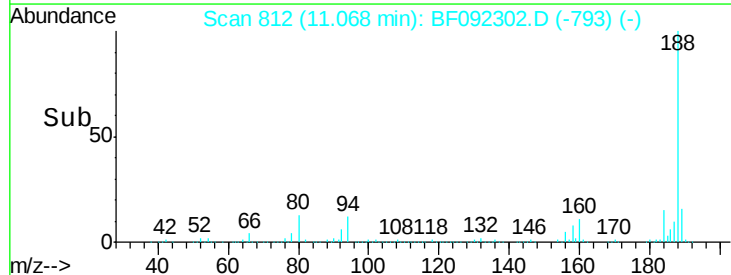
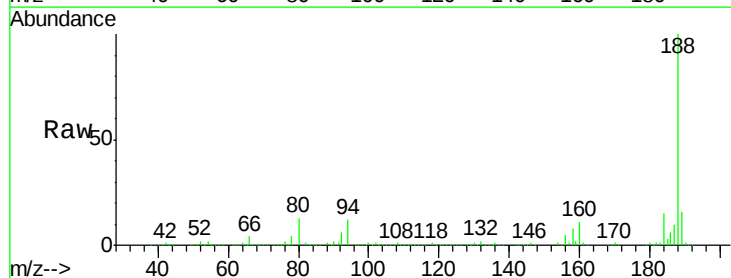
Instrument :  
BNA\_F  
ClientSampleId :  
SB-45-COMP

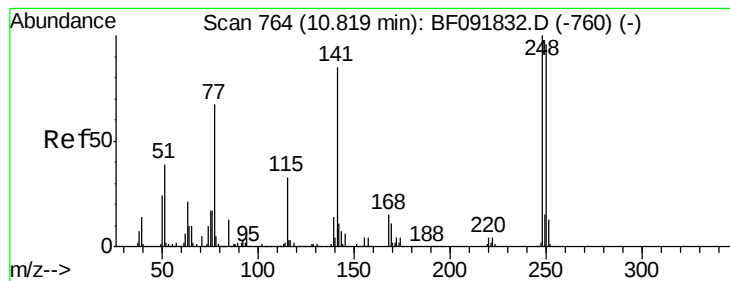
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.8   | 40.2  | 60.4# |
| 89      | 1.2   | 62.5  | 93.7# |
| 182     | 0.0   | 1.8   | 2.8#  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.07 min Scan# 812  
Delta R.T. -0.09 min  
Lab File: BF092302.D  
Acq: 16 Jan 2017 23:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.8  | 10.0  | 15.0  |
| 80      | 12.9  | 11.2  | 16.8  |





#66

4-Bromophenyl-phenylether

Concen: 3.25 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.33 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

Instrument :

BNA\_F

ClientSampleId :

SB-45-COMP

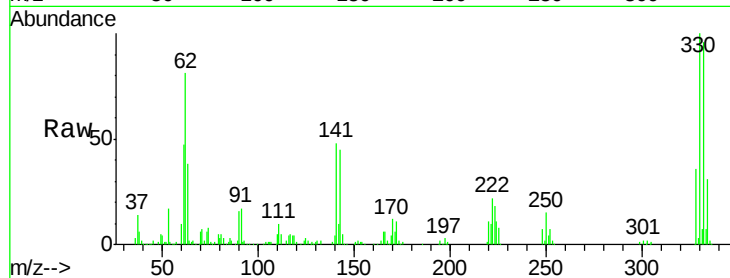
Tgt Ion:248 Resp: 22646

Ion Ratio Lower Upper

248 100

250 202.6 76.9 115.3#

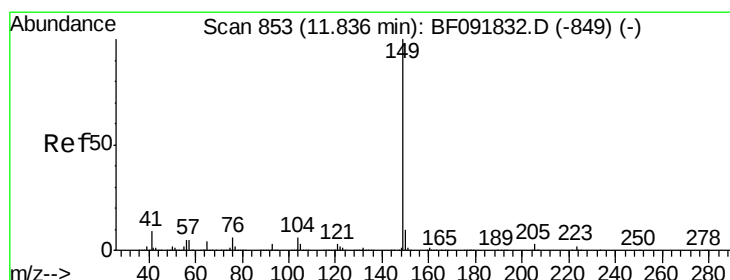
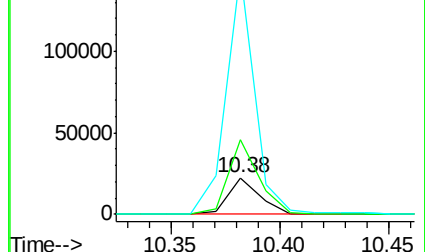
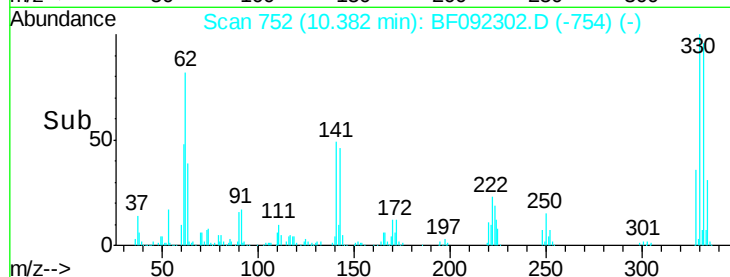
141 664.8 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

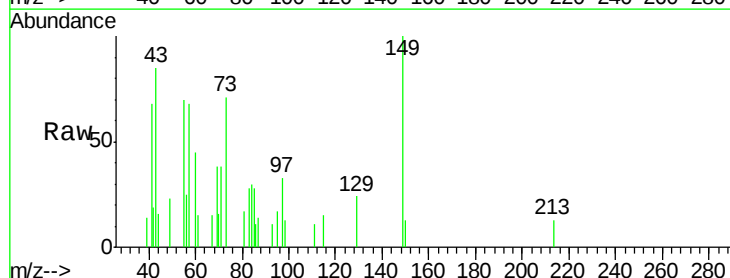
Tgt Ion:149 Resp: 3187

Ion Ratio Lower Upper

149 100

150 12.8 8.1 12.1#

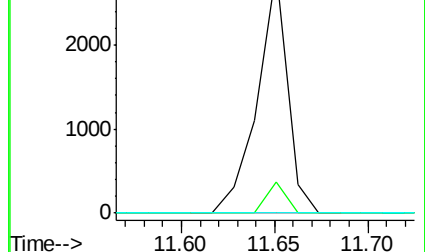
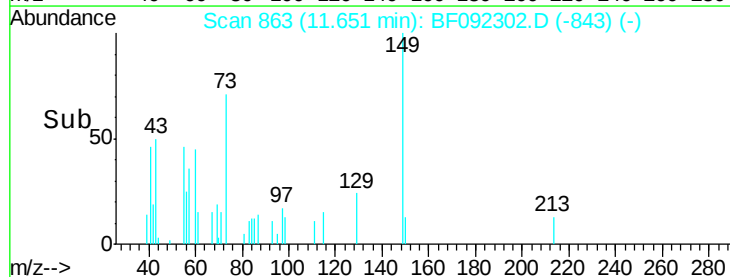
104 0.0 4.6 7.0#

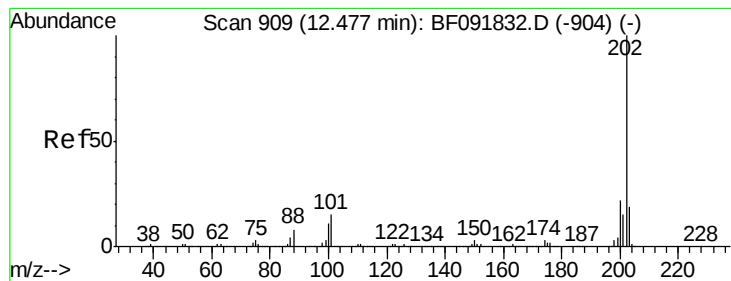


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.28 min Scan# 918

Delta R.T. -0.09 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

Instrument :

BNA\_F

ClientSampleId :

SB-45-COMP

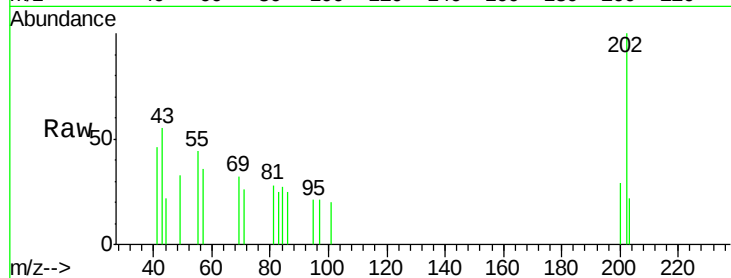
Tgt Ion: 202 Resp: 1766

Ion Ratio Lower Upper

202 100

101 20.1 0.0 34.6

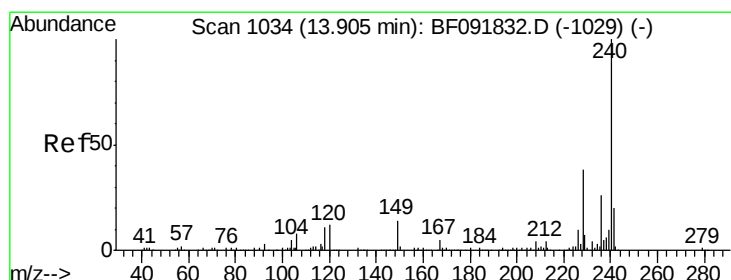
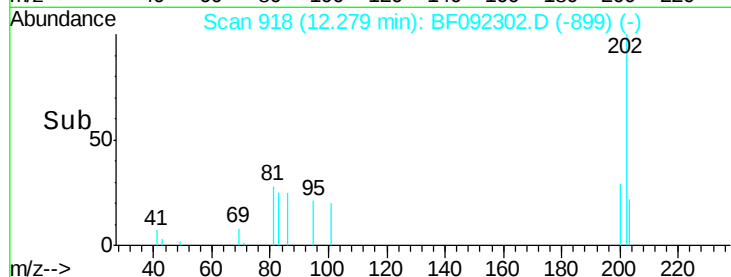
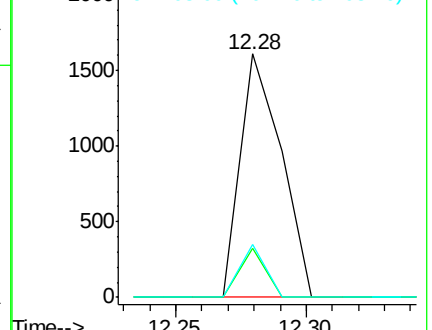
203 21.7 0.0 38.7



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: 13.70 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF092302.D

Acq: 16 Jan 2017 23:17

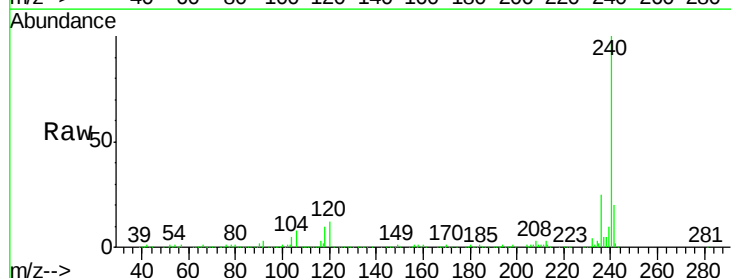
Tgt Ion: 240 Resp: 523938

Ion Ratio Lower Upper

240 100

120 11.9 12.9 19.3#

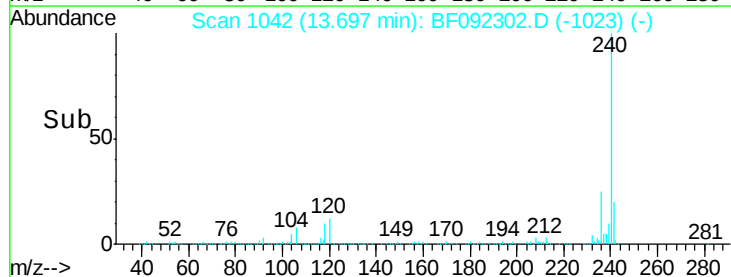
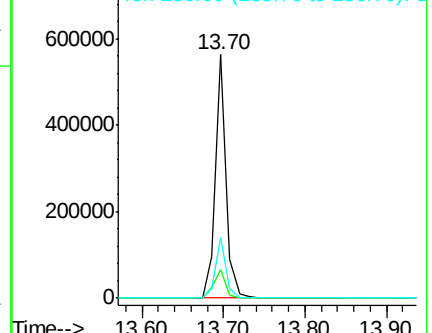
236 25.1 20.9 31.3

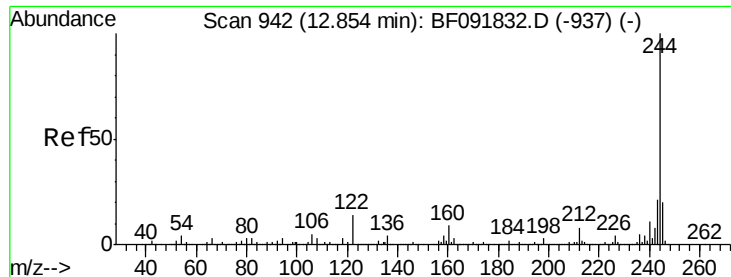


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

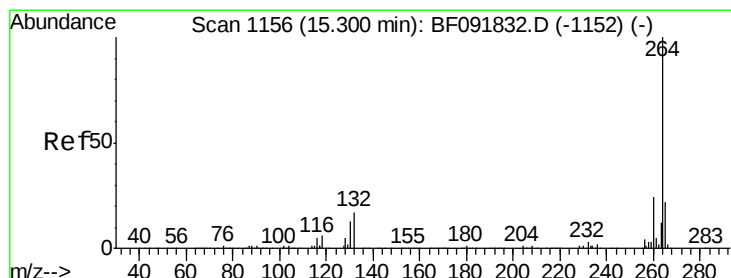
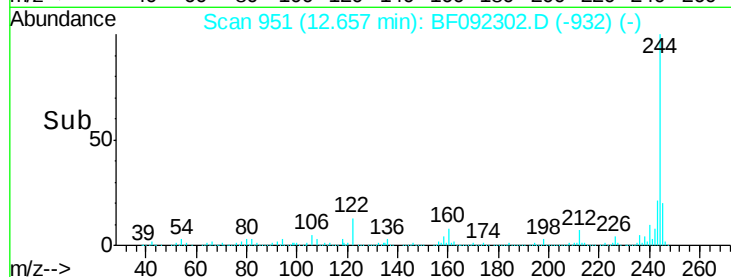
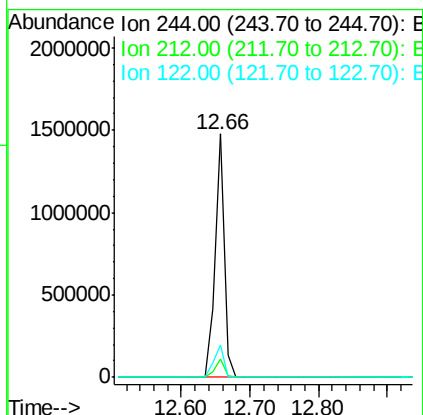
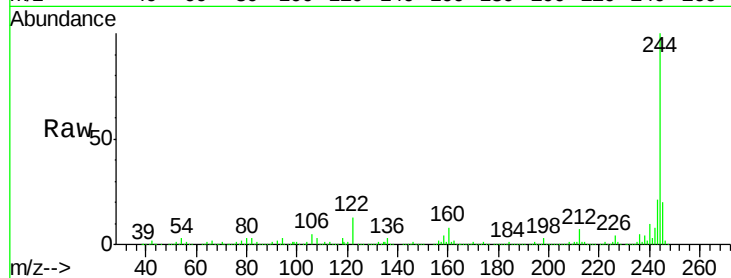




#78  
 Terphenyl-d14  
 Concen: 65.02 ng  
 RT: 12.66 min Scan# 951  
 Delta R.T. -0.09 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-45-COMP

Tgt Ion:244 Resp: 1404594  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.2  
 122 13.5 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.05 min Scan# 1160  
 Delta R.T. -0.10 min  
 Lab File: BF092302.D  
 Acq: 16 Jan 2017 23:17

Tgt Ion:264 Resp: 373593  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.0 17.4 26.0

