

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\  
 Data File : BF102034.D  
 Acq On : 11 Jan 2018 22:21  
 Operator : SJ/JU  
 Sample : J1088-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-COMP

Quant Time: Jan 12 02:08:17 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 11 12:53:54 2018  
 Response via : Initial Calibration

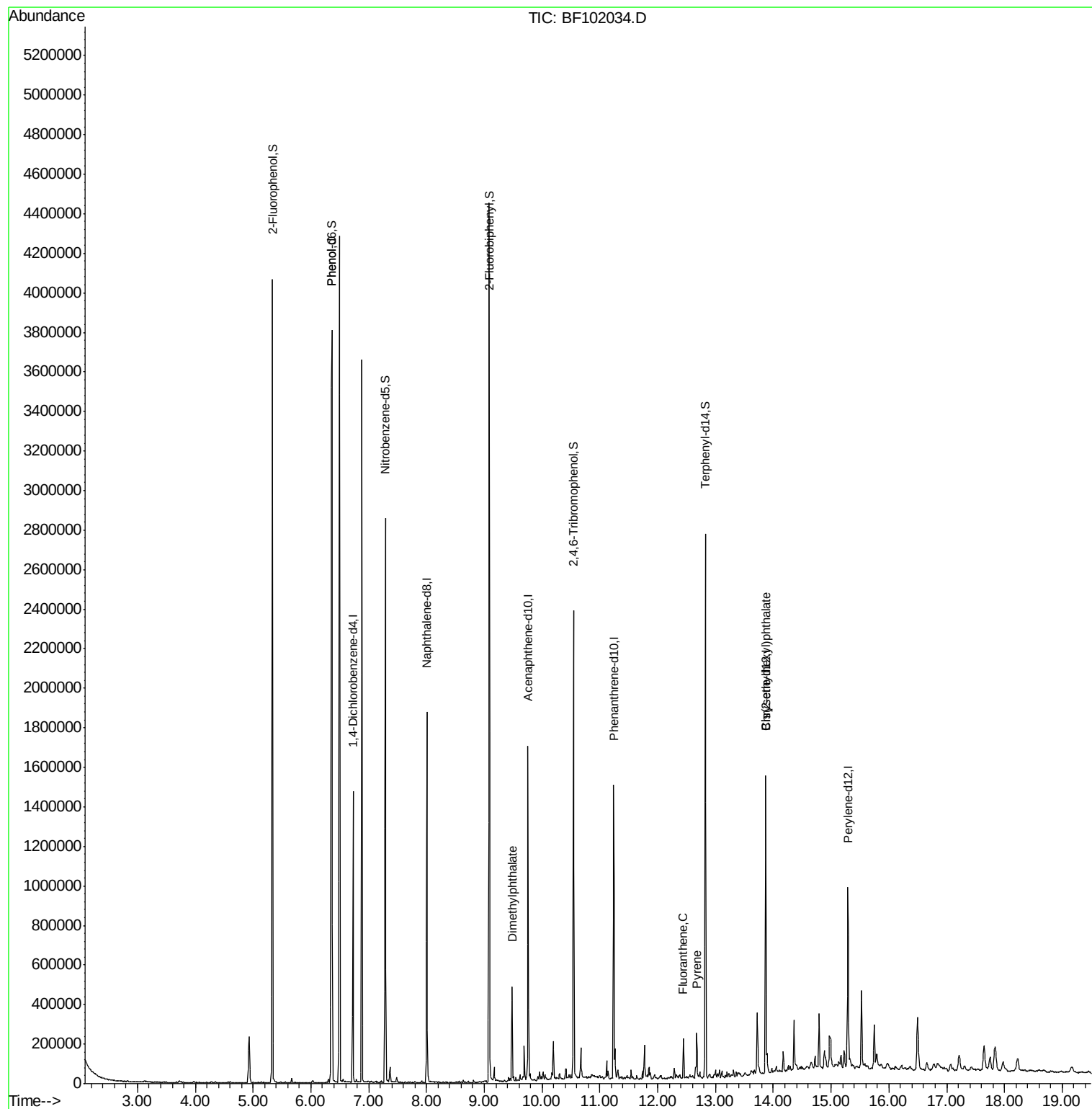
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 206576   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 807553   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.76  | 164  | 324759   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 470979   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 329621   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 379799   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 1243874  | 85.03  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 1468394  | 84.13  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 907907   | 66.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 253452   | 89.43  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 1407488  | 67.71  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.83 | 244  | 864150   | 54.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.37  | 94   | 73350    | 3.719  | ng    | 97       |
| 49) Dimethylphthalate          | 9.48  | 163  | 174422   | 6.695  | ng    | 100      |
| 74) Fluoranthene               | 12.44 | 202  | 73066    | 2.699  | ng    | 97       |
| 77) Pyrene                     | 12.67 | 202  | 78201    | 2.684  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 173976   | 11.342 | ng    | # 98     |

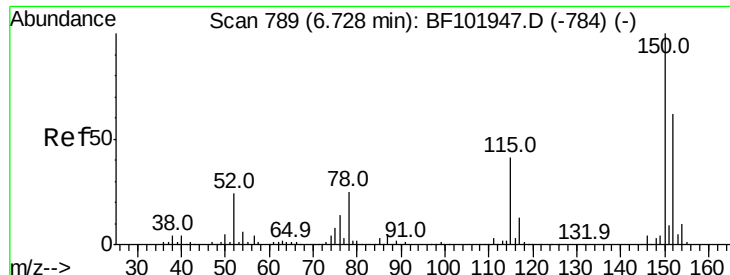
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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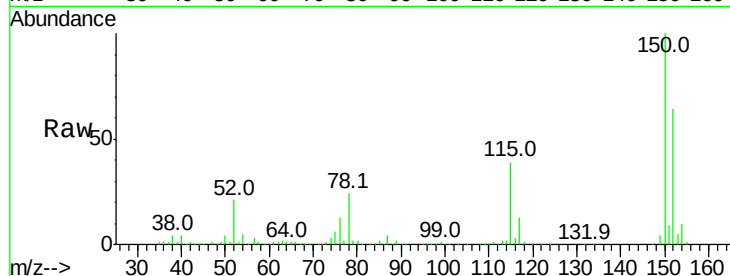


#1

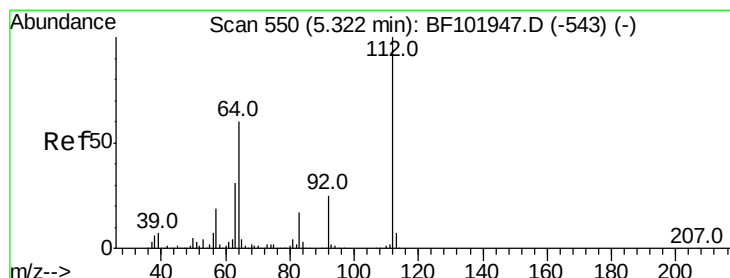
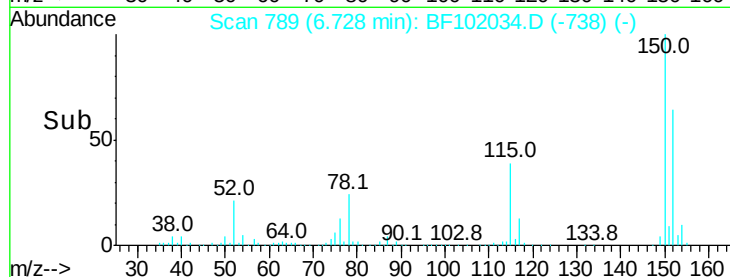
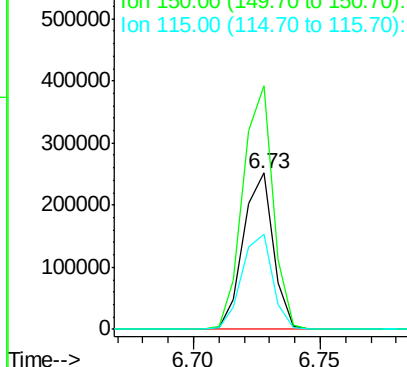
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: BF102034.D  
Acq: 11 Jan 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-COMP

Tot Ion:152 Resp: 206576  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.6 186.8  
115 61.1 50.1 75.1



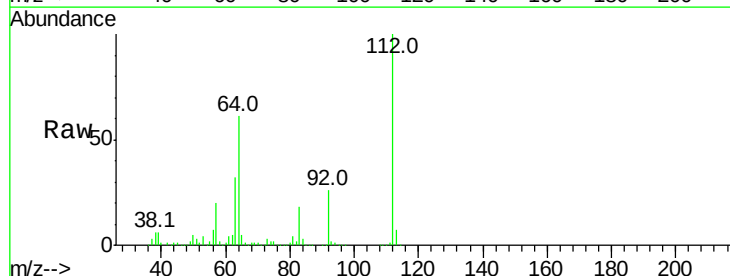
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



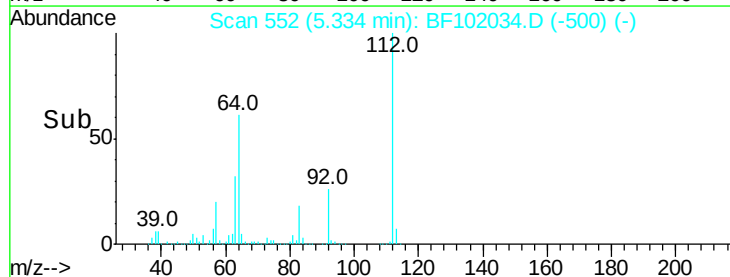
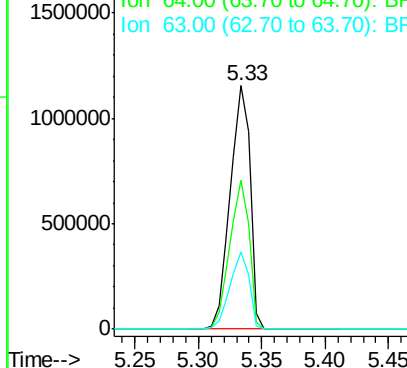
#5

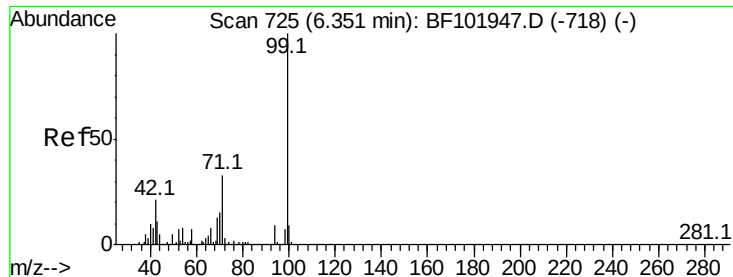
2-Fluorophenol  
Concen: 85.027 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102034.D  
Acq: 11 Jan 2018 22:21

Tgt Ion:112 Resp: 1243874  
Ion Ratio Lower Upper  
112 100  
64 61.1 47.9 71.9  
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.129 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-COMP

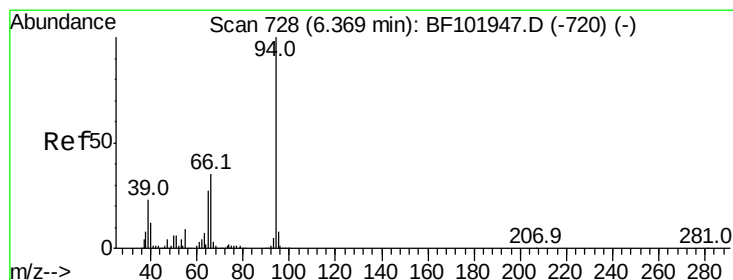
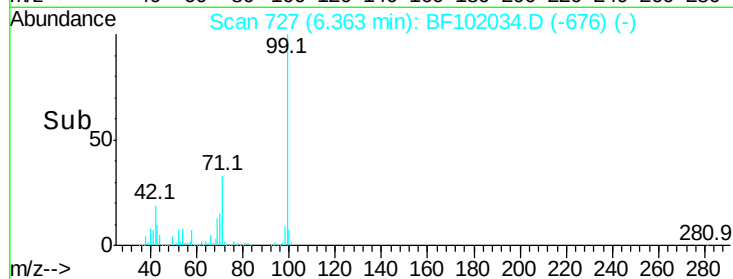
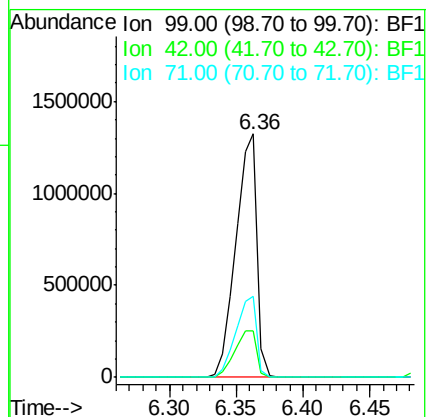
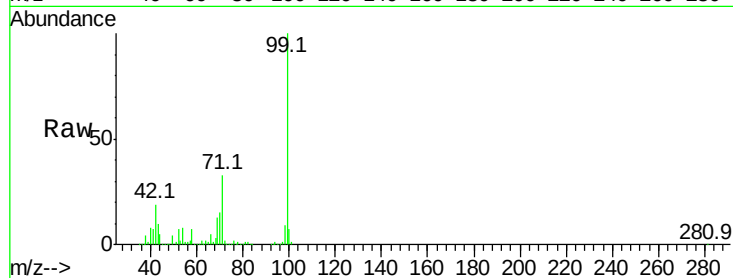
Tot Ion: 99 Resp: 1468394

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 33.2 25.4 38.0



#10

Phenol

Concen: 3.719 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

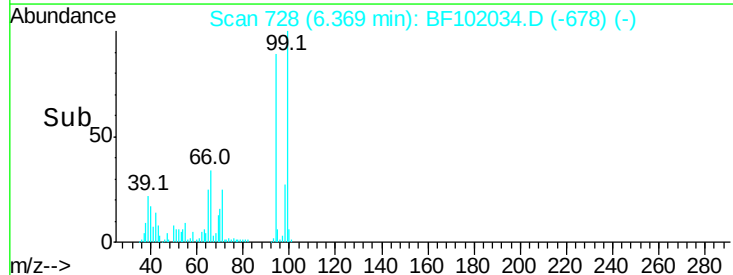
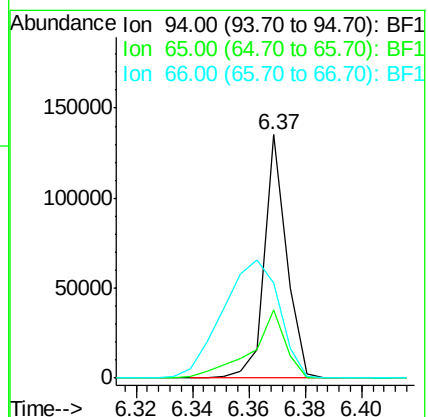
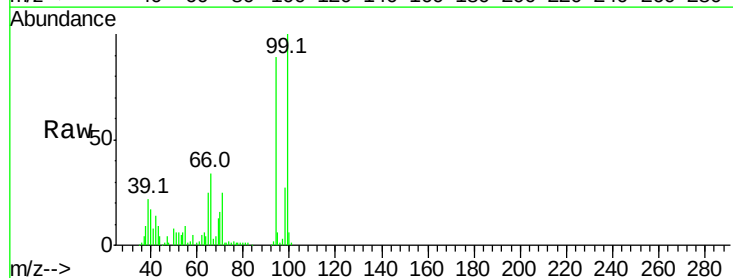
Tgt Ion: 94 Resp: 73350

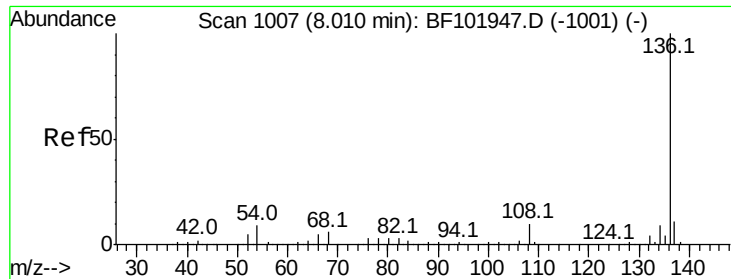
Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

66 38.9 16.2 56.2

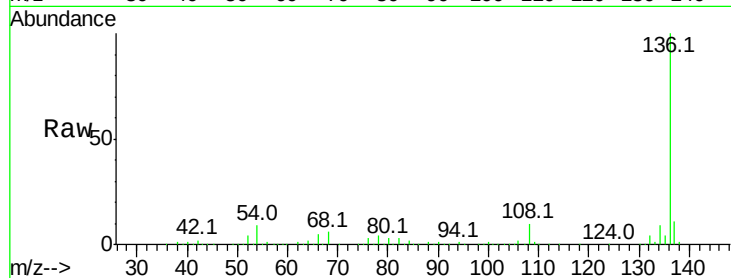




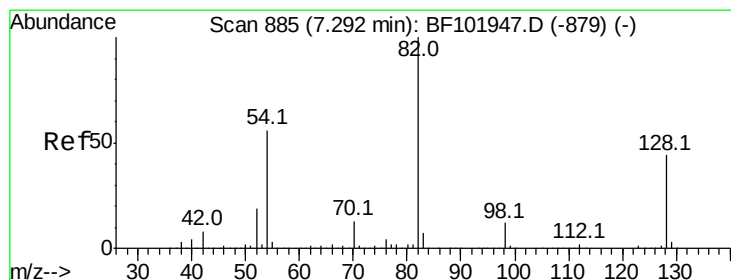
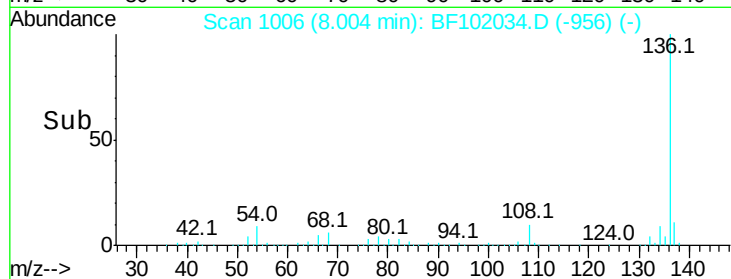
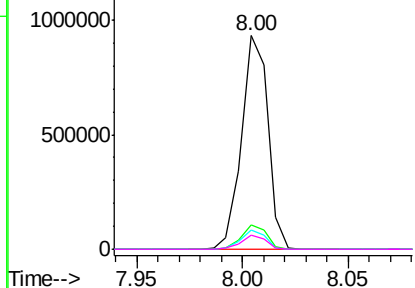
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF102034.D  
Acq: 11 Jan 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-COMP

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 807553 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 9.3   | 6.6   | 9.8    |
| 68       | 6.3   | 5.0   | 7.4    |

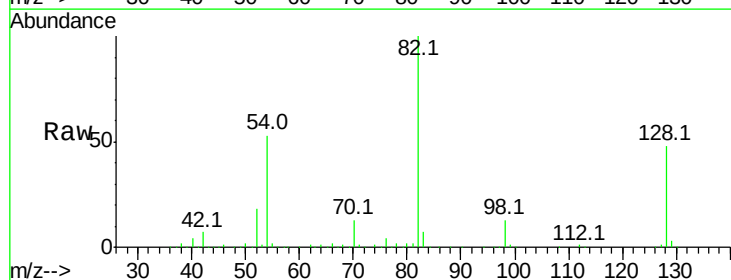


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

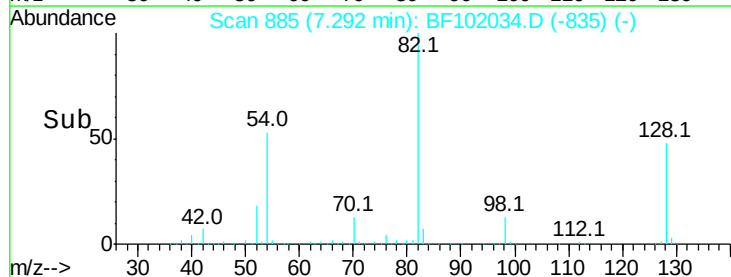
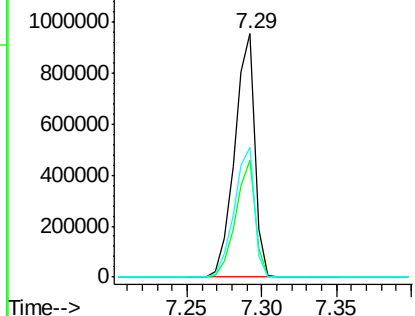


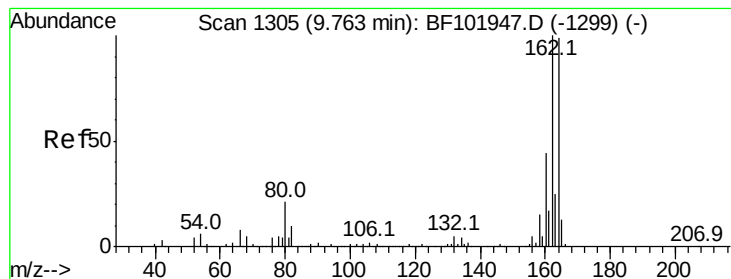
#23  
Nitrobenzene-d5  
Concen: 66.067 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF102034.D  
Acq: 11 Jan 2018 22:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 907907 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.8  | 36.1  | 54.1   |
| 54       | 53.2  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-COMP

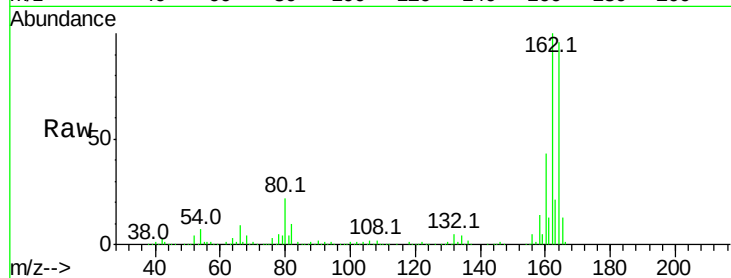
Tot Ion:164 Resp: 324759

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

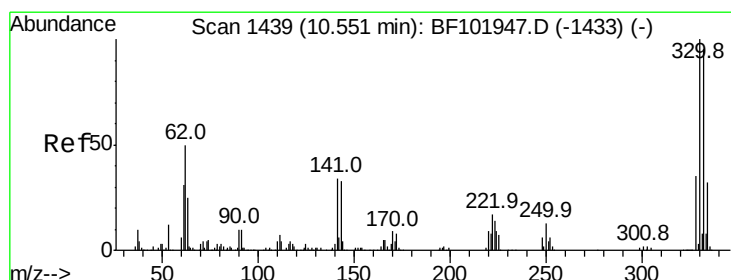
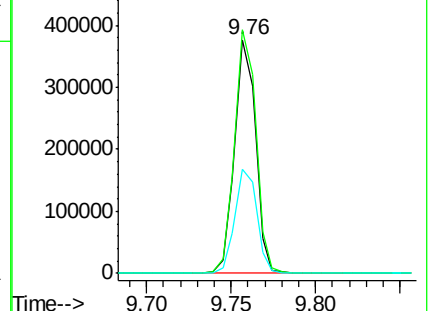
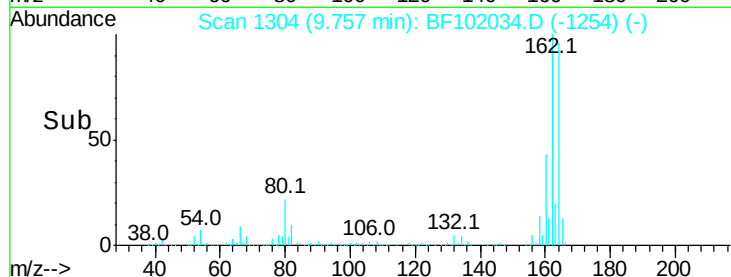
160 44.4 38.3 57.5



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: 89.429 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

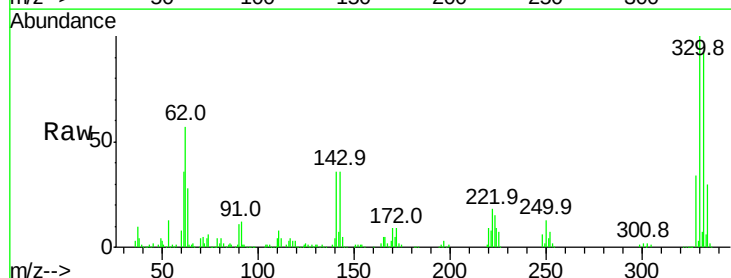
Tgt Ion:330 Resp: 253452

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

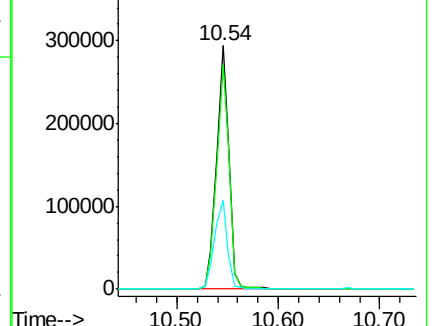
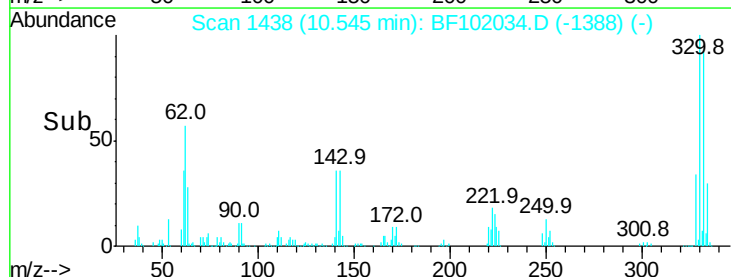
141 37.3 29.9 44.9

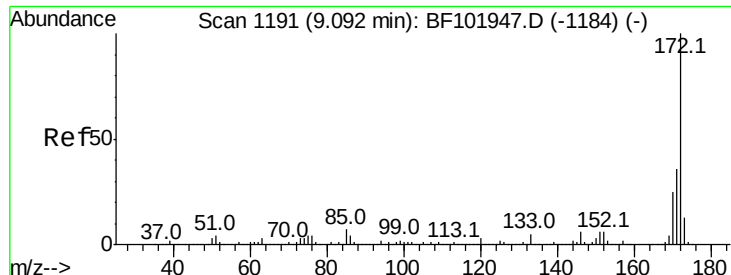


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



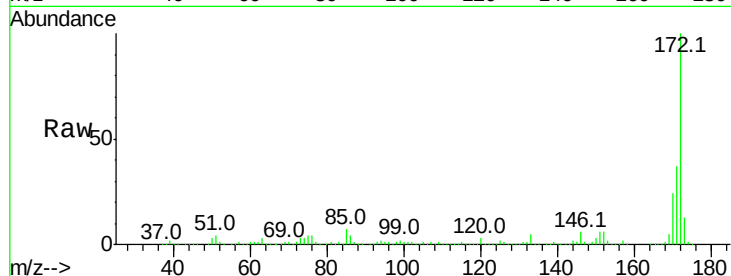


#44  
 2-Fluorobiphenyl  
 Concen: 67.708 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF102034.D  
 Acq: 11 Jan 2018 22:21

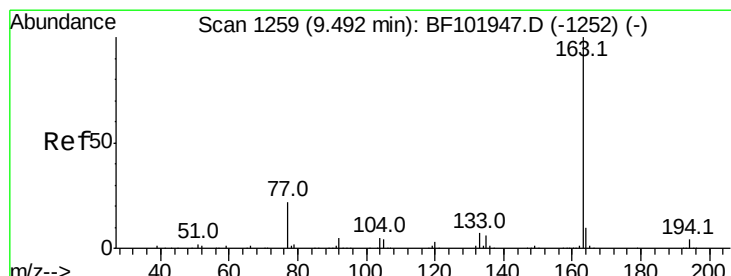
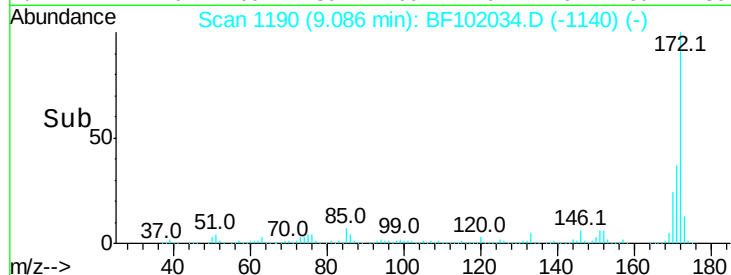
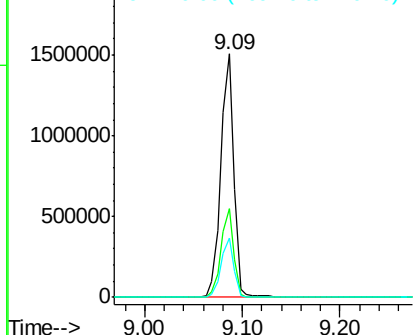
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-COMP

Tot Ion:172 Resp: 1407488

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 29.7  | 44.5  |
| 170 | 24.2  | 19.6  | 29.4  |



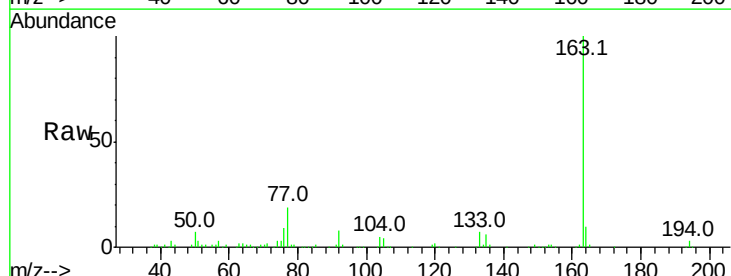
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



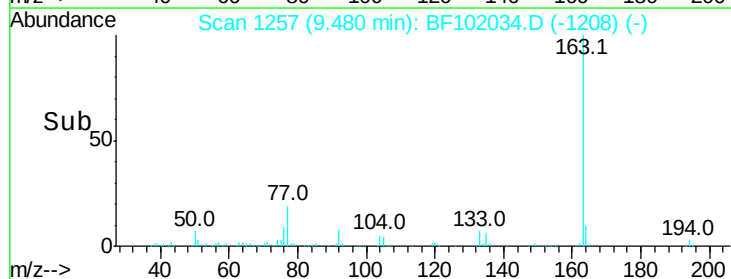
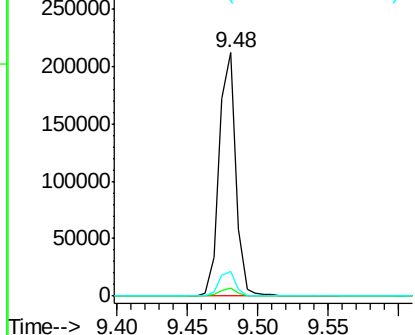
#49  
 Dimethylphthalate  
 Concen: 6.695 ng  
 RT: 9.48 min Scan# 1257  
 Delta R.T. -0.01 min  
 Lab File: BF102034.D  
 Acq: 11 Jan 2018 22:21

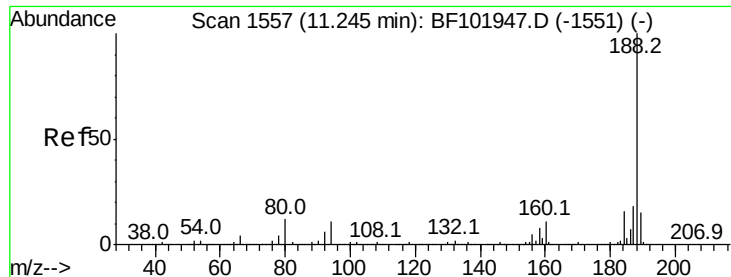
Tgt Ion:163 Resp: 174422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.4   | 2.7   | 4.1   |
| 164 | 10.0  | 8.2   | 12.2  |



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-COMP

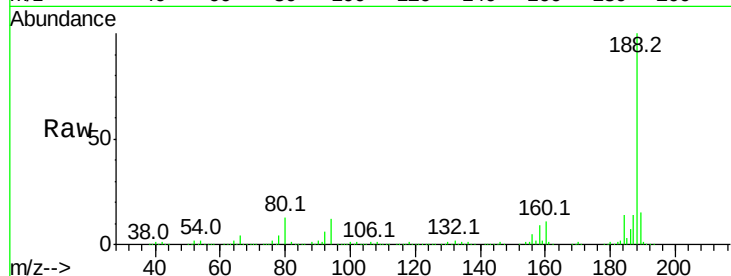
Tot Ion:188 Resp: 470979

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

80 12.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.24

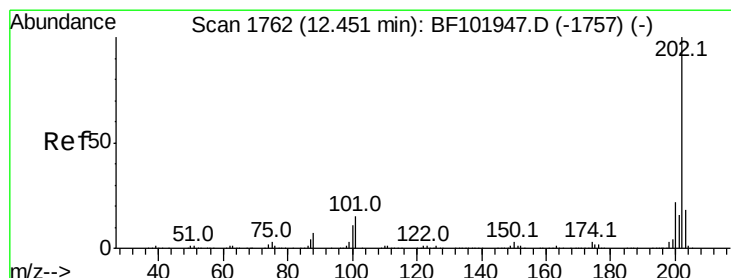
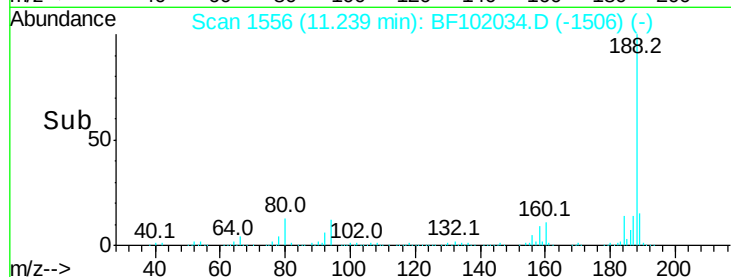
600000

400000

200000

0

Time-->



#74

Fluoranthene

Concen: 2.699 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

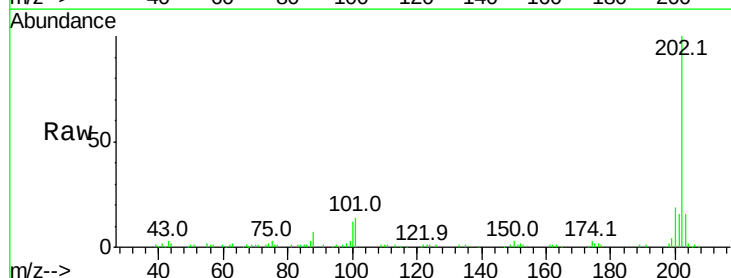
Tgt Ion:202 Resp: 73066

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

203 15.9 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

12.44

100000

80000

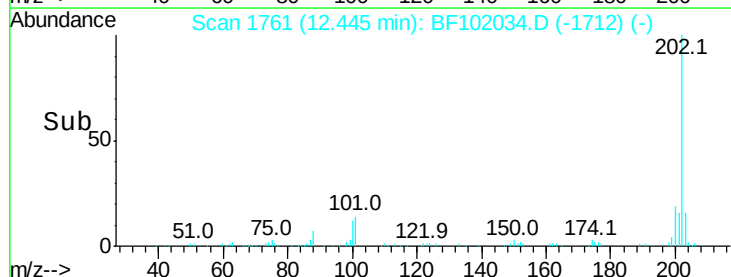
60000

40000

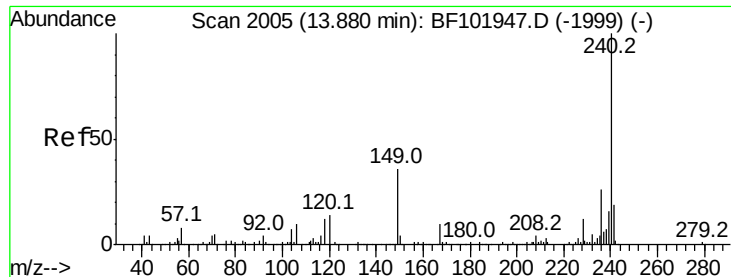
20000

0

Time-->







#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-COMP

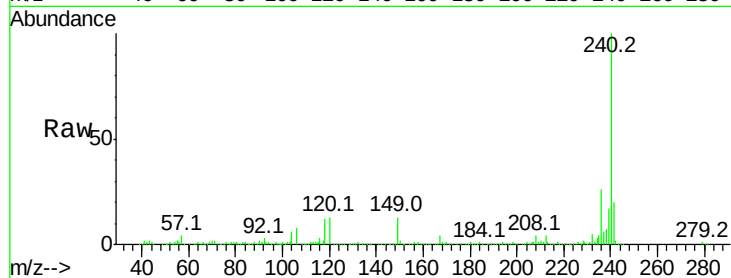
Tot Ion:240 Resp: 329621

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

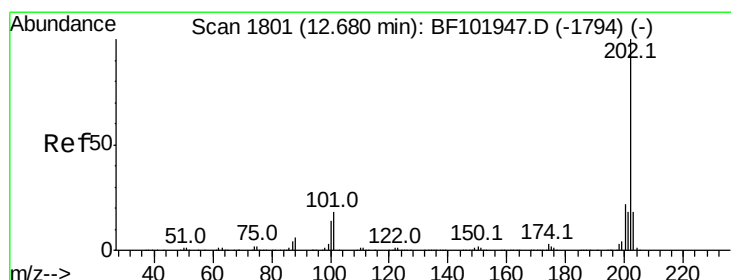
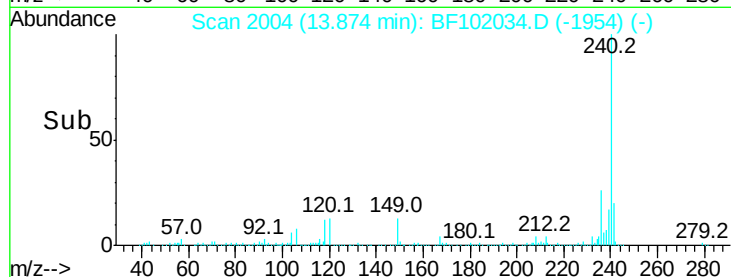
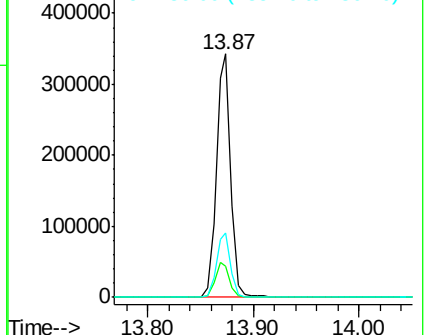
236 26.3 20.7 31.1



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

Pyrene

Concen: 2.684 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

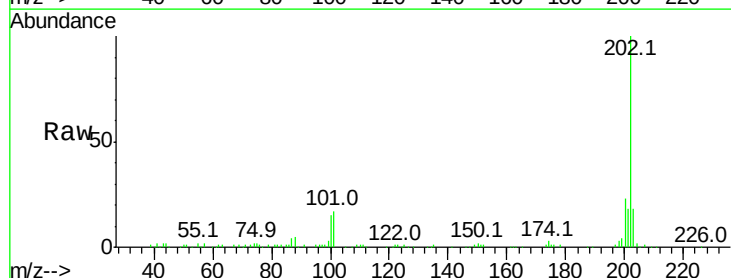
Tgt Ion:202 Resp: 78201

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

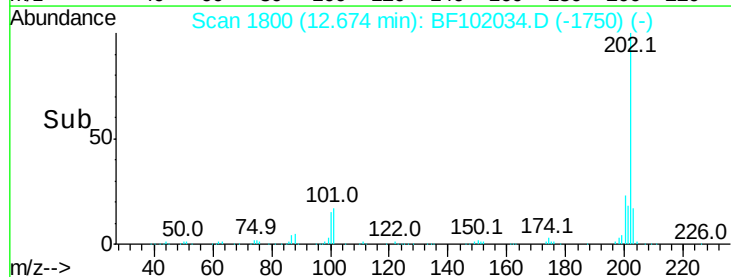
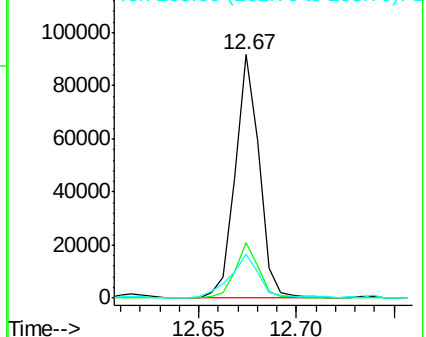
203 17.9 14.3 21.5

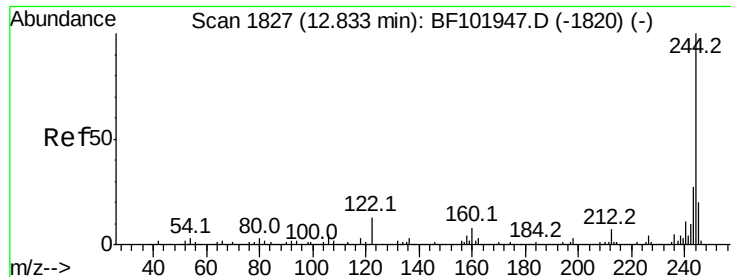


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.432 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-COMP

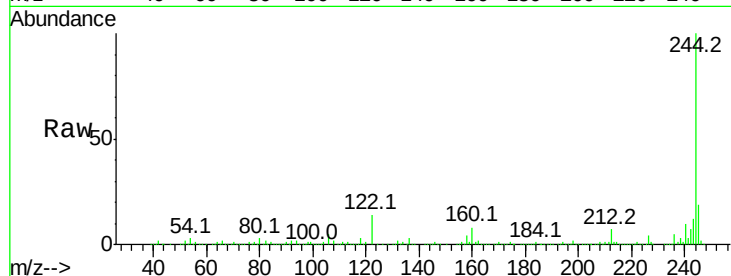
Tot Ion:244 Resp: 864150

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

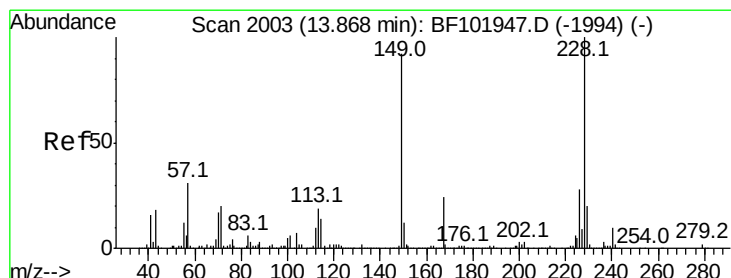
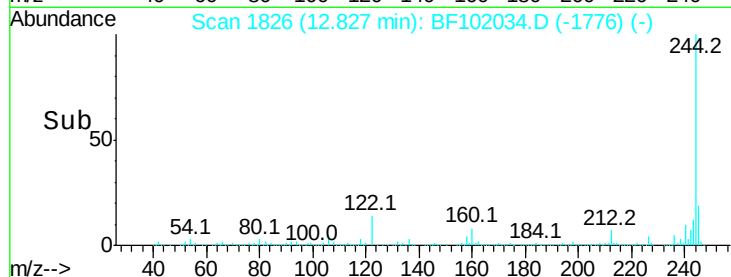
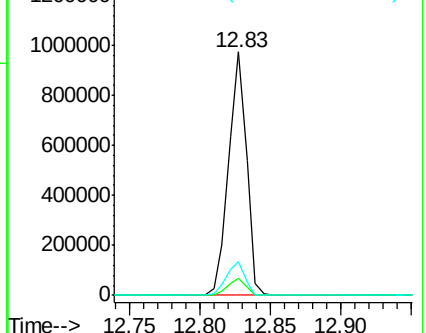
122 13.8 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 11.342 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102034.D

Acq: 11 Jan 2018 22:21

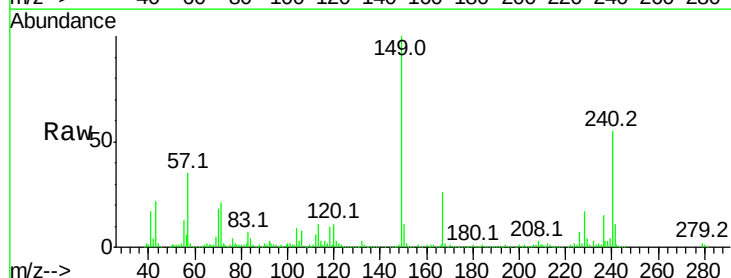
Tgt Ion:149 Resp: 173976

Ion Ratio Lower Upper

149 100

167 25.7 21.3 31.9

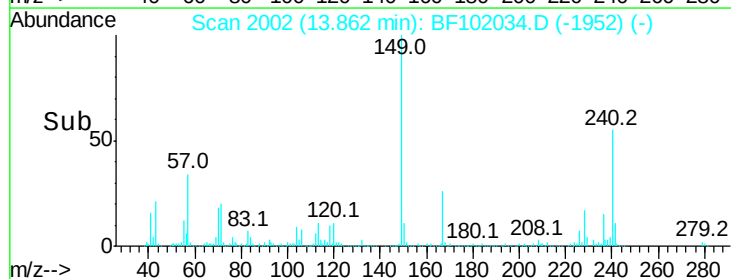
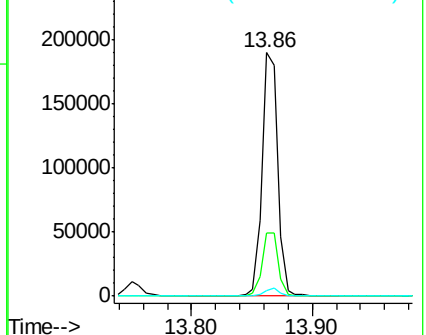
279 2.4 3.0 4.4#

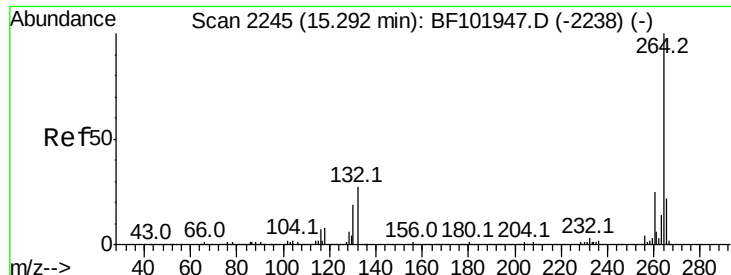


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.29 min Scan# 2245  
Delta R.T. -0.00 min  
Lab File: BF102034.D  
Acq: 11 Jan 2018 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-COMP

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 379799 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 19.2  | 28.8   |
| 265      | 22.8  | 17.5  | 26.3   |

