

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
 Data File : BF100774.D  
 Acq On : 21 Nov 2017 12:29  
 Operator : SJ/JU  
 Sample : PB104316BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB104316BL

Quant Time: Nov 22 05:33:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 82752    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.15  | 136  | 329209   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.91  | 164  | 158693   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.39 | 188  | 327273   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.03 | 240  | 274179   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.50 | 264  | 199197   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 629836   | 122.01 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 756448   | 118.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 477508   | 95.90  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 226543   | 140.09 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 990498   | 95.04  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.98 | 244  | 1081527  | 90.64  | ng    | 0.00     |

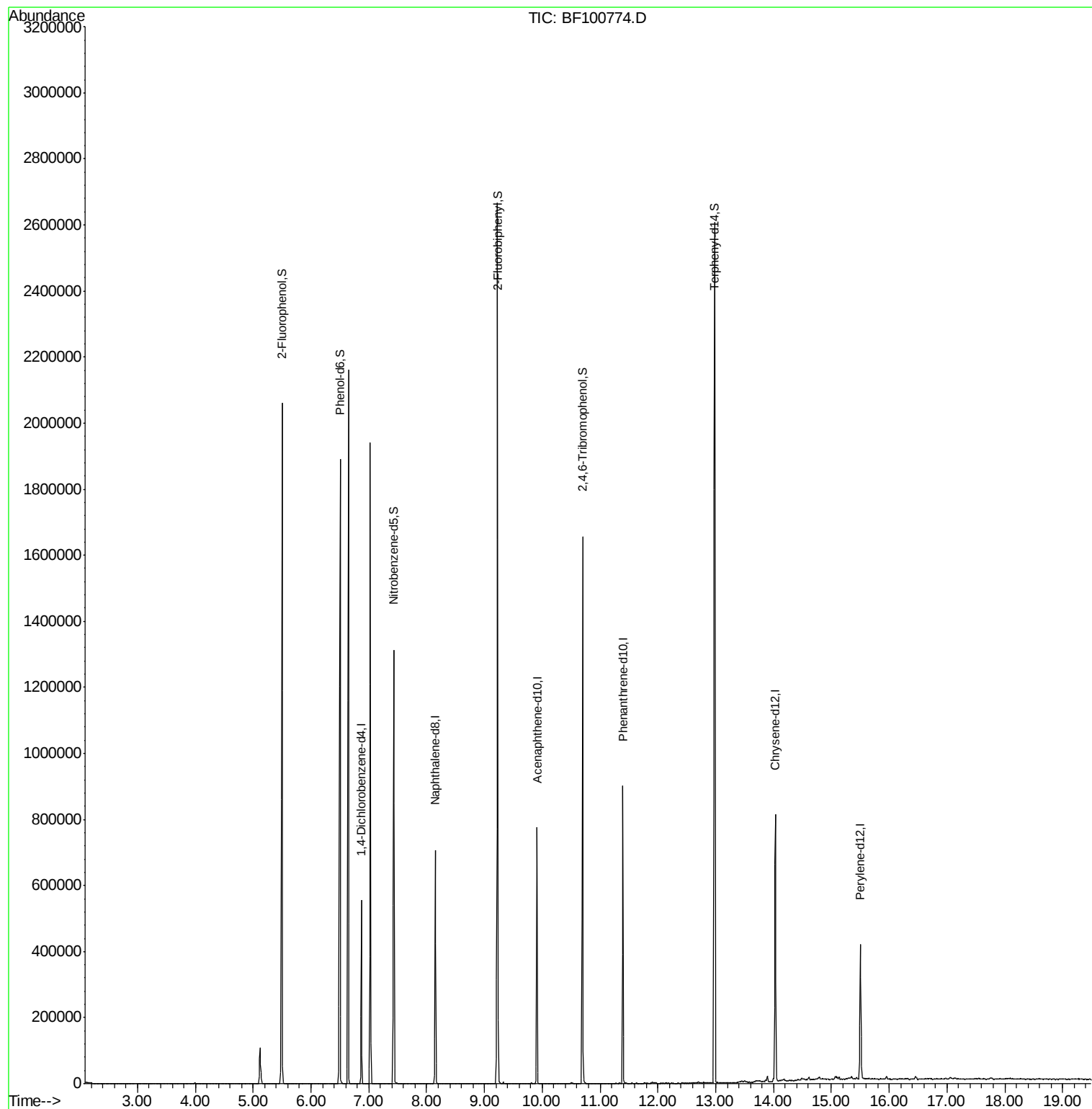
Target Compounds Qvalue

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

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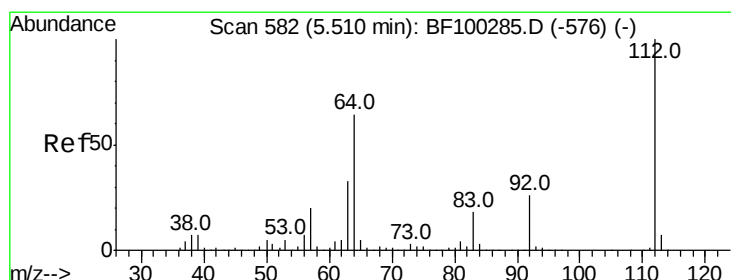
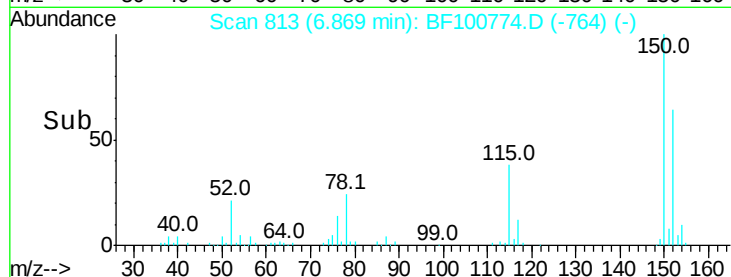
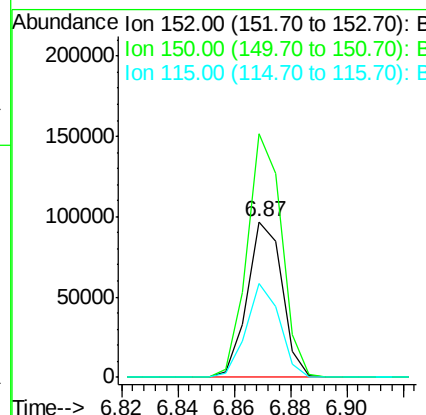
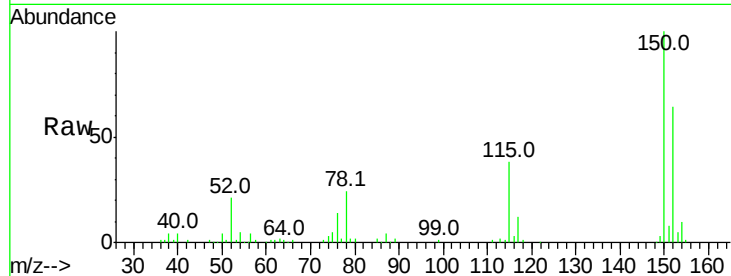


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF100774.D  
Acq: 21 Nov 2017 12:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB104316BL

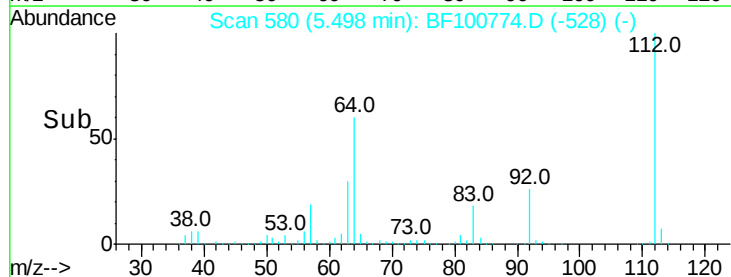
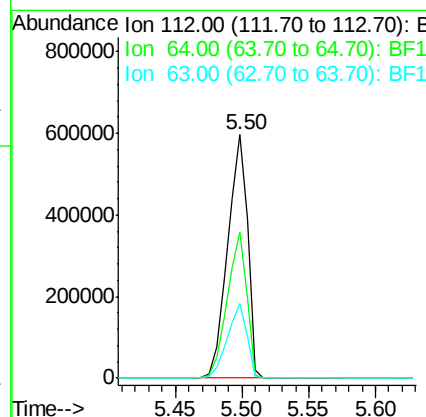
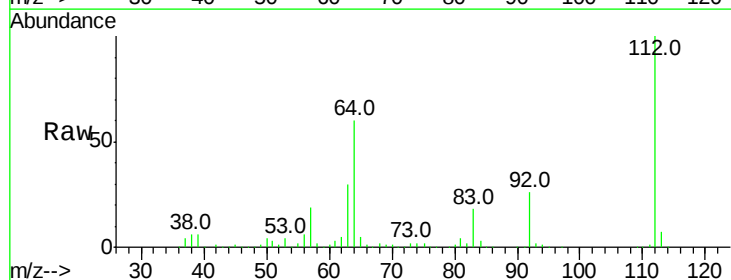
Tot Ion:152 Resp: 82752  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 60.2 50.1 75.1



#5

2-Fluorophenol  
Concen: 122.005 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF100774.D  
Acq: 21 Nov 2017 12:29

Tgt Ion:112 Resp: 629836  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.9 71.9  
63 30.5 23.7 35.5





#7

Phenol-d6

Concen: 118.829 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

Instrument :

BNA\_F

ClientSampleId :

PB104316BL

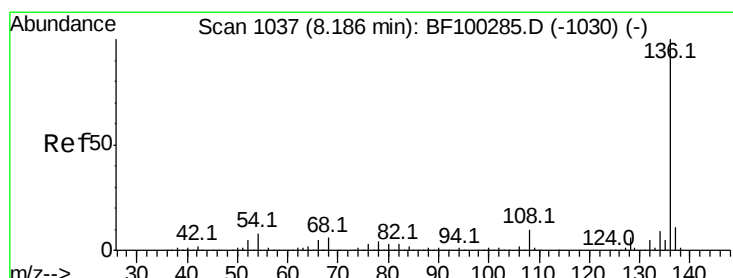
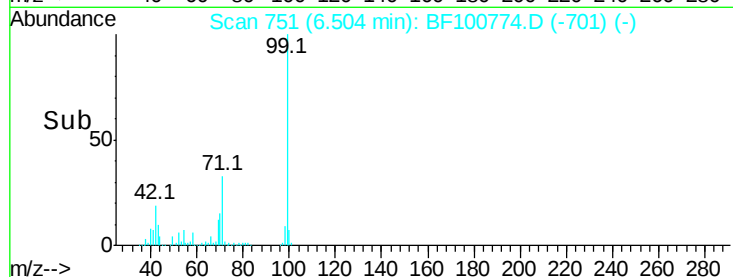
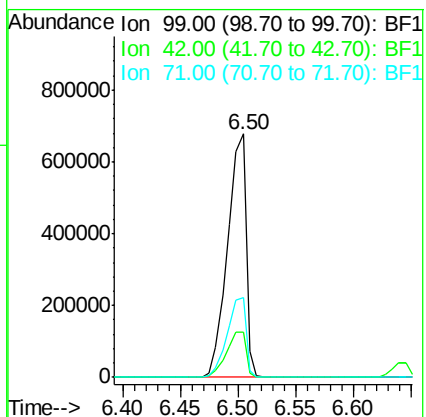
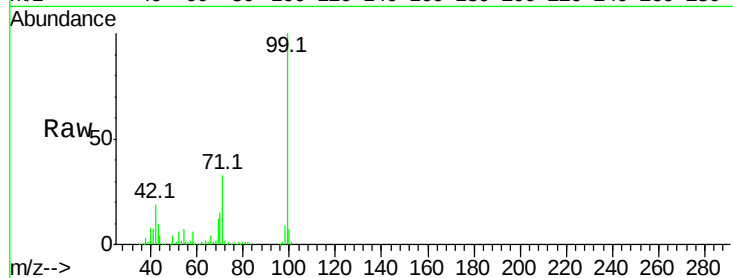
Tot Ion: 99 Resp: 756448

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 32.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

Tgt Ion: 136 Resp: 329209

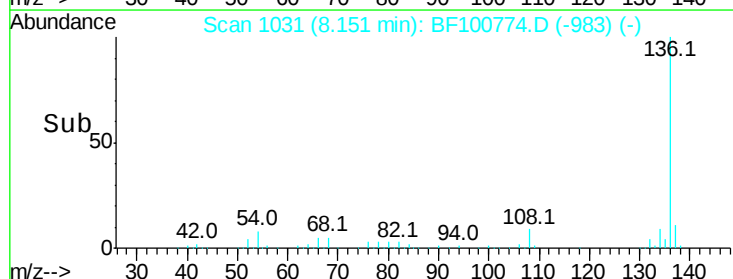
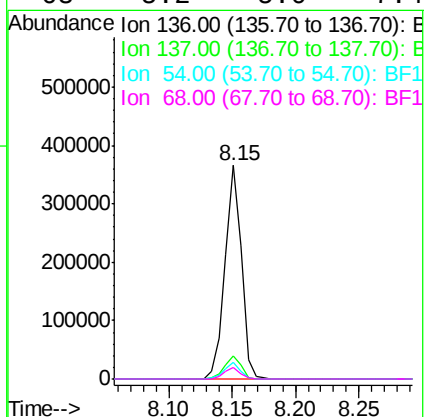
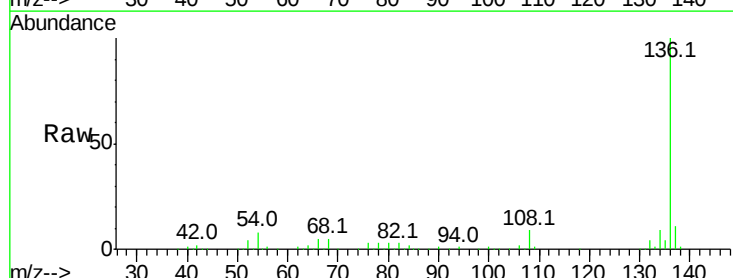
Ion Ratio Lower Upper

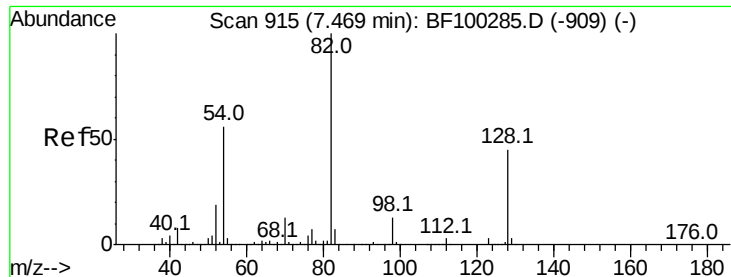
136 100

137 10.8 8.9 13.3

54 8.0 6.6 9.8

68 5.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 95.895 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

Instrument :

BNA\_F

ClientSampleId :

PB104316BL

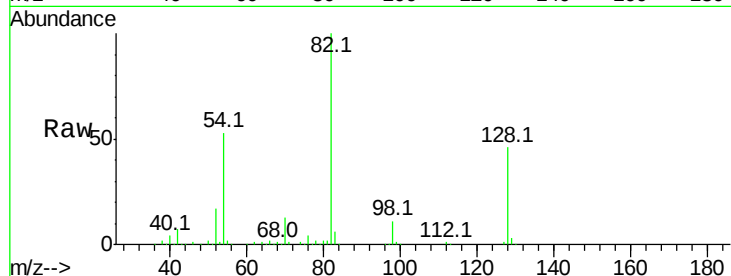
Tot Ion: 82 Resp: 477508

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

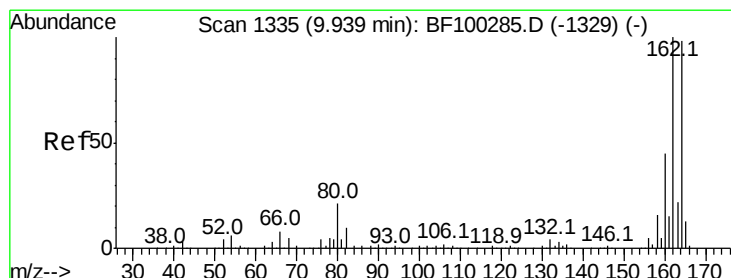
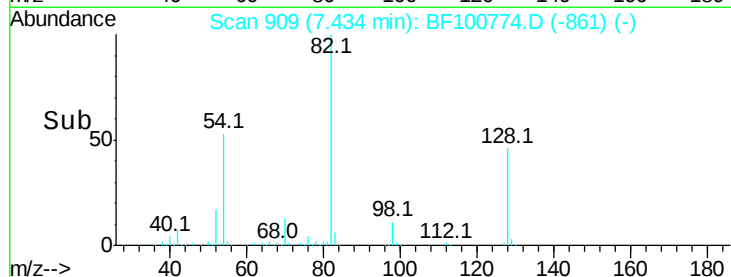
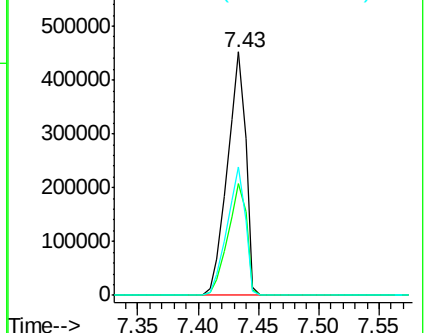
54 52.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

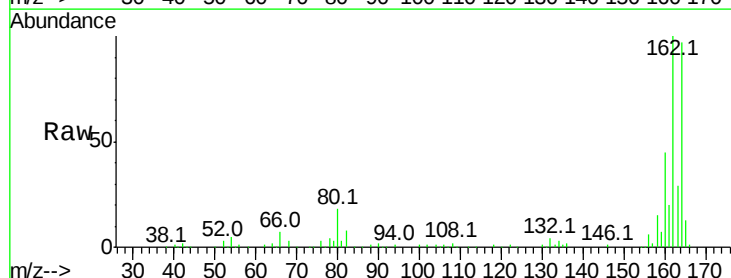
Tgt Ion:164 Resp: 158693

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

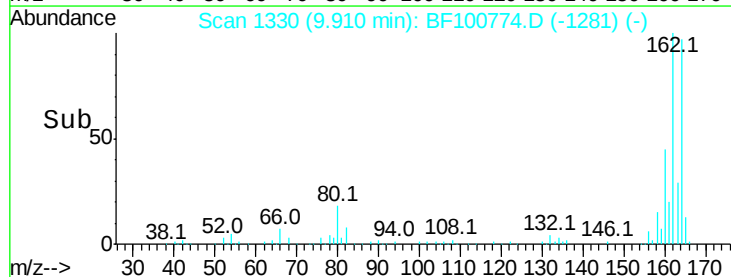
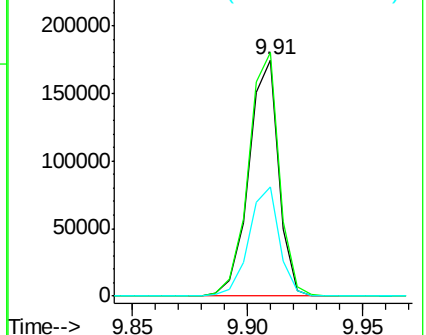
160 46.3 38.3 57.5

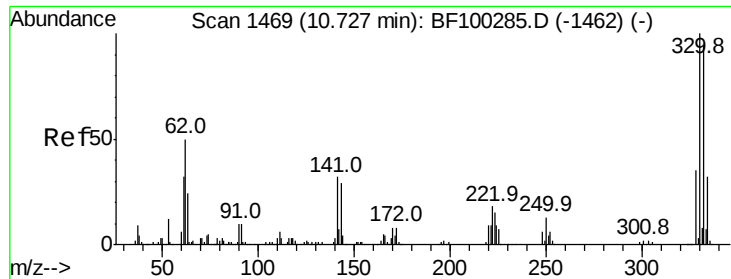


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

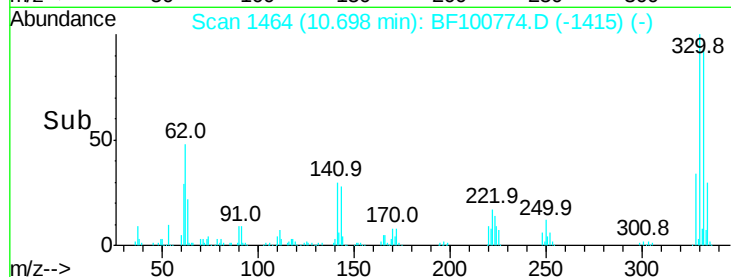
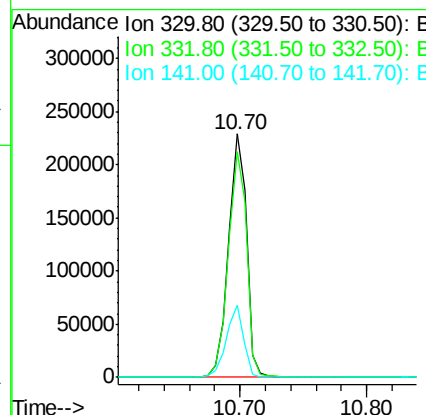
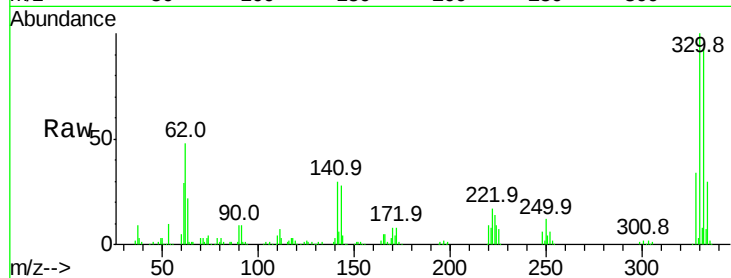




#41  
 2,4,6-Tribromophenol  
 Concen: 140.094 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.01 min  
 Lab File: BF100774.D  
 Acq: 21 Nov 2017 12:29

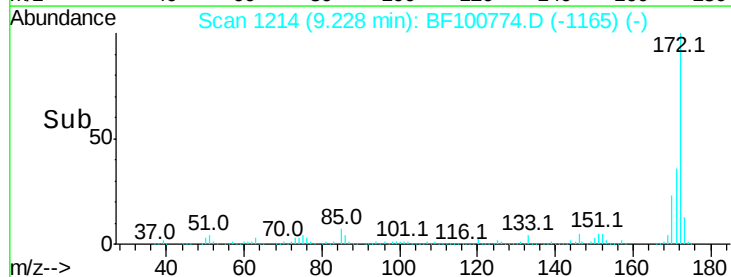
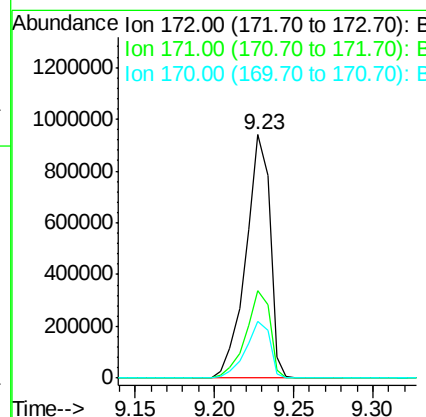
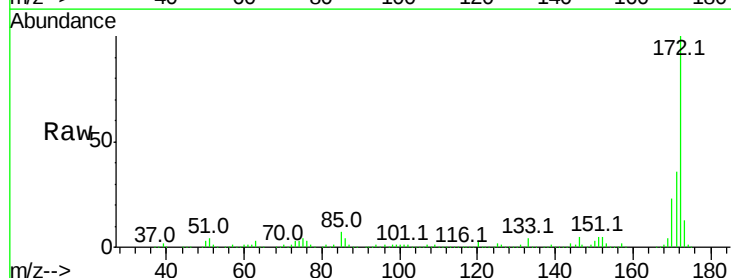
Instrument :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 77.0  | 115.6 |
| 141     | 28.4  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 95.042 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF100774.D  
 Acq: 21 Nov 2017 12:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.7  | 44.5  |
| 170     | 23.5  | 19.6  | 29.4  |

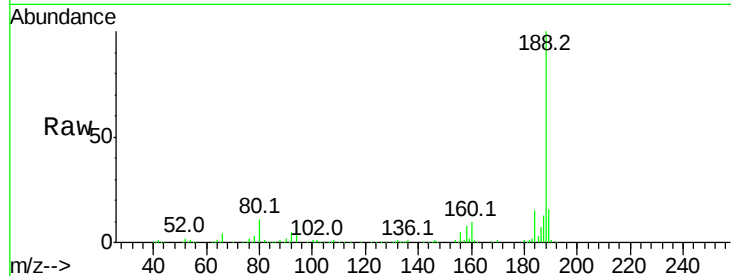




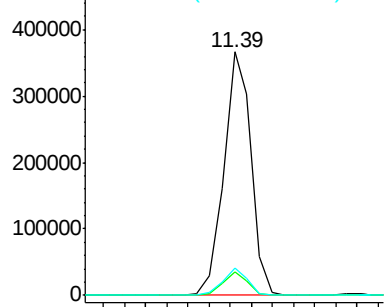
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1582  
Delta R.T. -0.01 min  
Lab File: BF100774.D  
Acq: 21 Nov 2017 12:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB104316BL

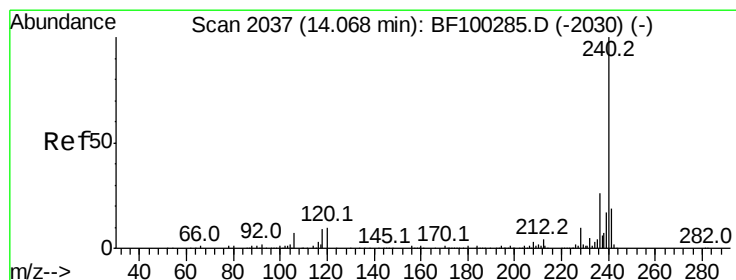
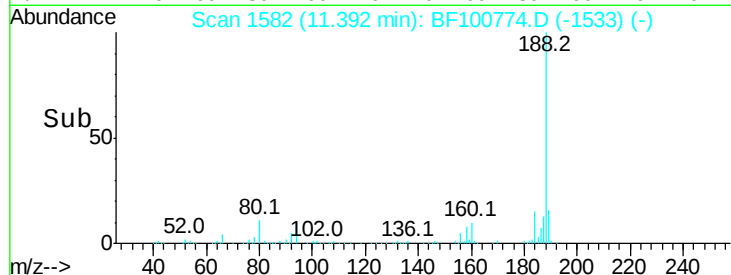
Tot Ion:188 Resp: 327273  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 11.2 9.2 13.8



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

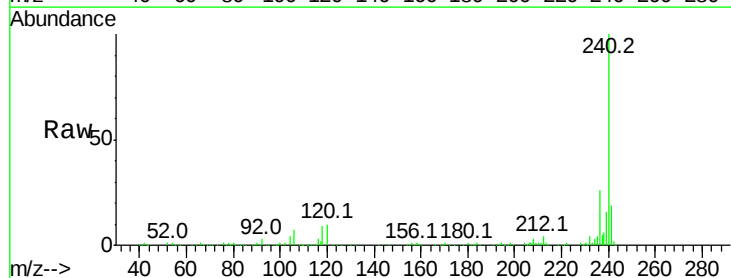


Time-->

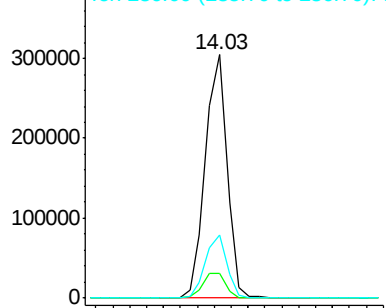


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF100774.D  
Acq: 21 Nov 2017 12:29

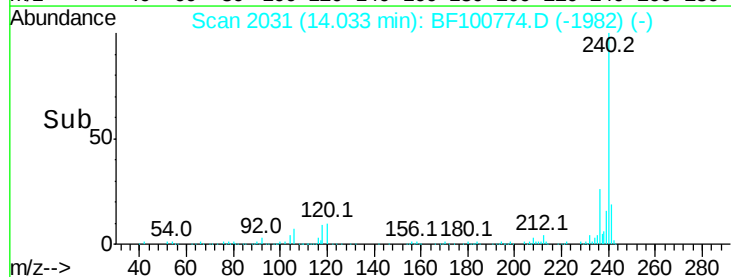
Tgt Ion:240 Resp: 274179  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.5 14.3  
236 25.7 20.7 31.1



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



Time-->





#78

Terphenyl-d14

Concen: 90.635 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

Instrument :

BNA\_F

ClientSampleId :

PB104316BL

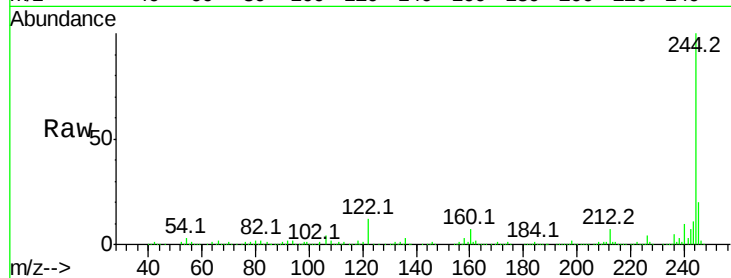
Tot Ion:244 Resp: 1081527

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

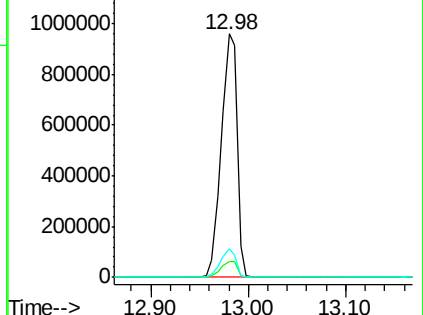
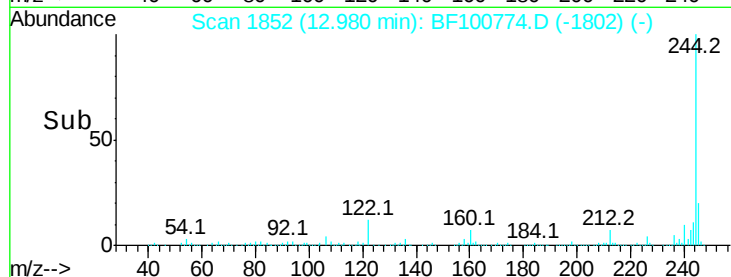
122 11.8 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF100774.D

Acq: 21 Nov 2017 12:29

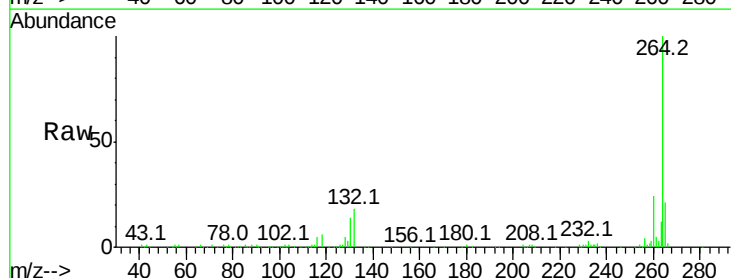
Tgt Ion:264 Resp: 199197

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 21.3 17.5 26.3



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

