

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\  
 Data File : BF100989.D  
 Acq On : 29 Nov 2017 20:18  
 Operator : SJ/JU  
 Sample : I6304-28 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-112817-D

Quant Time: Nov 30 03:16:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 15:21:02 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 75583    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 277869   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.89  | 164  | 109743   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.38 | 188  | 170289   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.02 | 240  | 145491   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 108933   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 69455    | 14.73 | ng    | -0.01    |
| 7) Phenol-d6                | 6.47  | 99   | 81175    | 13.96 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 45897    | 10.92 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 15713    | 14.05 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 100267   | 13.91 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.96 | 244  | 70324    | 11.11 | ng    | -0.01    |

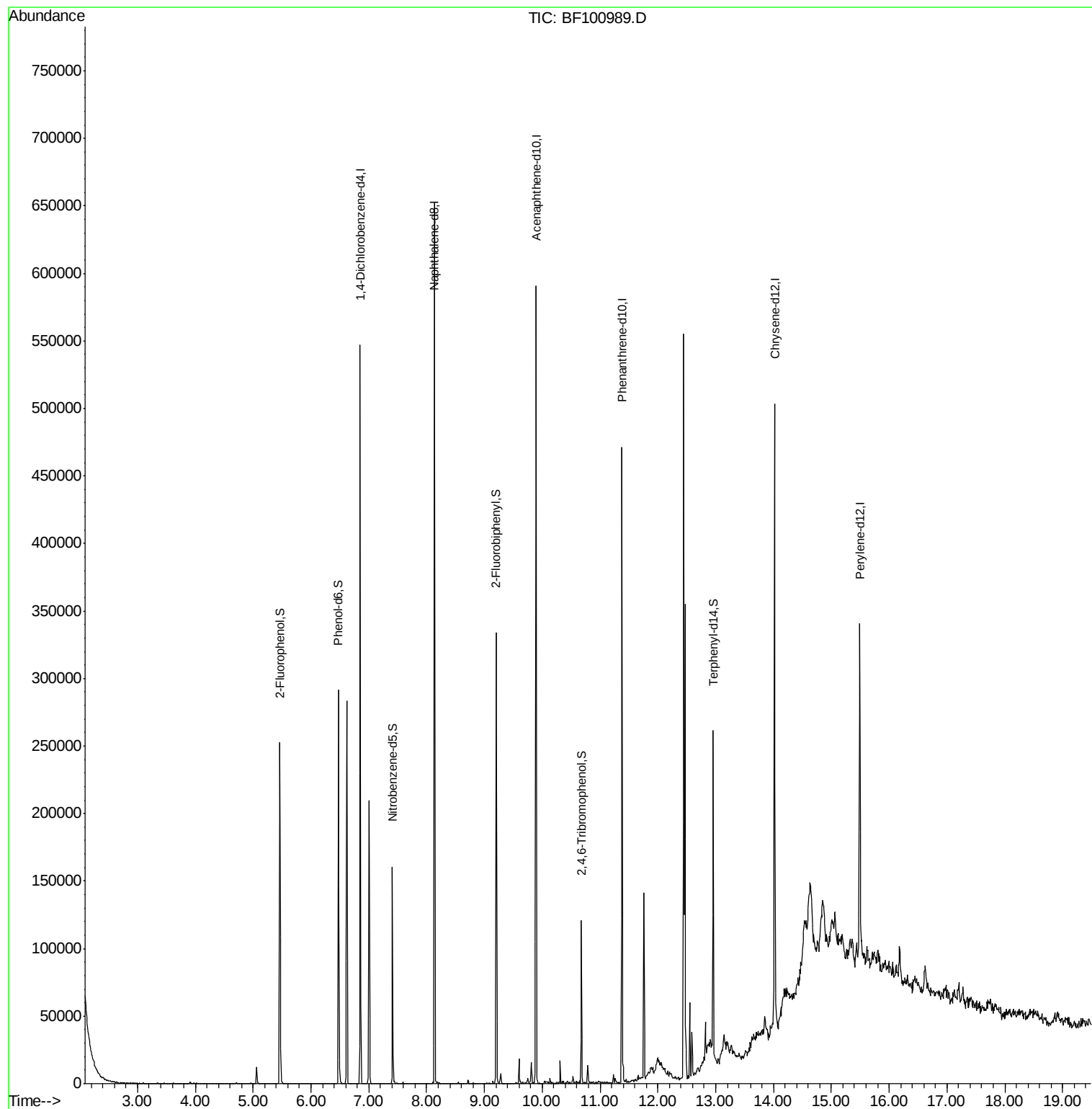
Target Compounds Qvalue

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

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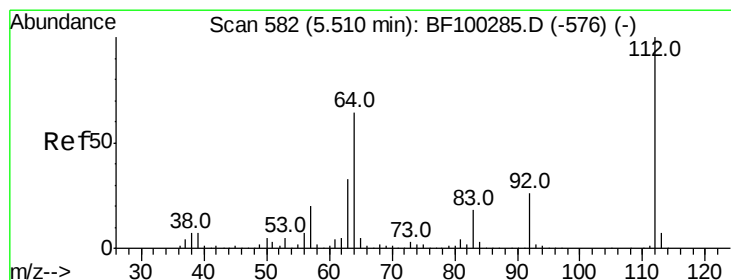
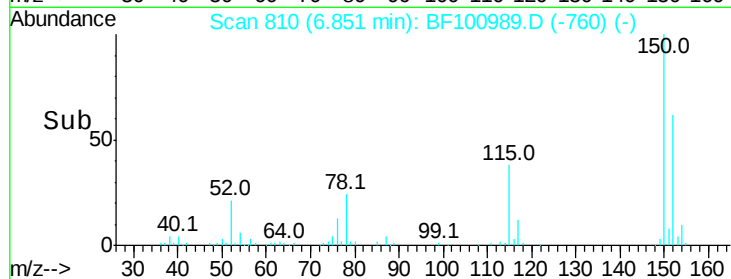
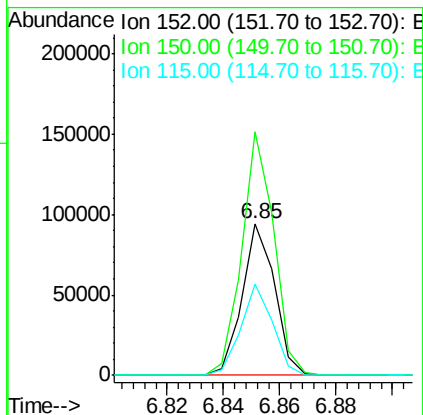
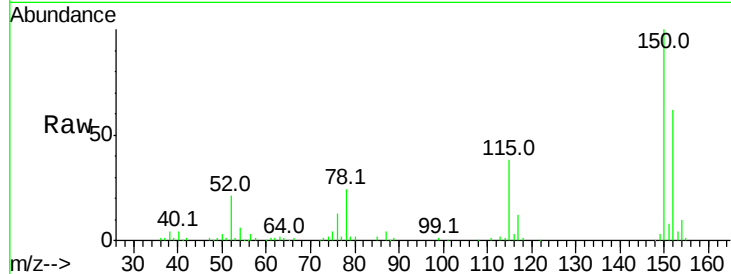


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF100989.D  
Acq: 29 Nov 2017 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-112817-D

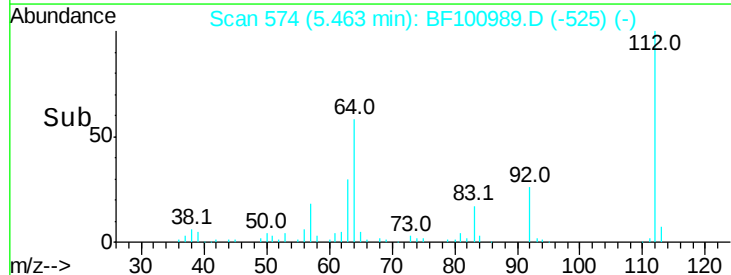
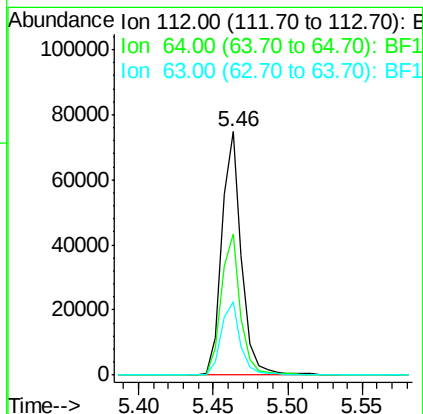
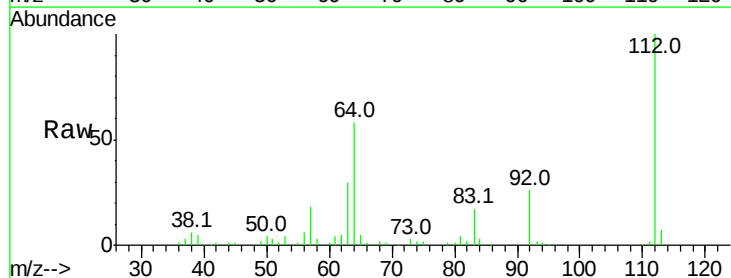
Tot Ion:152 Resp: 75583  
Ion Ratio Lower Upper  
152 100  
150 160.2 124.6 186.8  
115 60.3 50.1 75.1

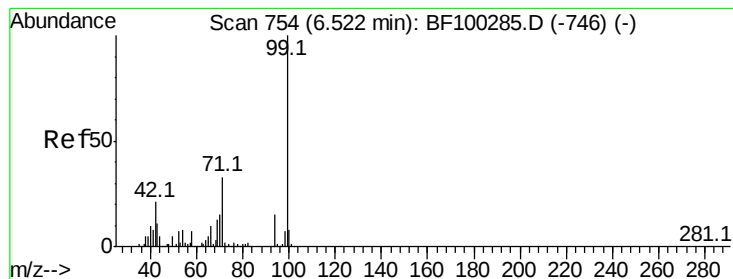


#5

2-Fluorophenol  
Concen: 14.730 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: BF100989.D  
Acq: 29 Nov 2017 20:18

Tgt Ion:112 Resp: 69455  
Ion Ratio Lower Upper  
112 100  
64 58.1 47.9 71.9  
63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 13.961 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

Instrument :

BNA\_F

ClientSampleId :

CL-02-112817-D

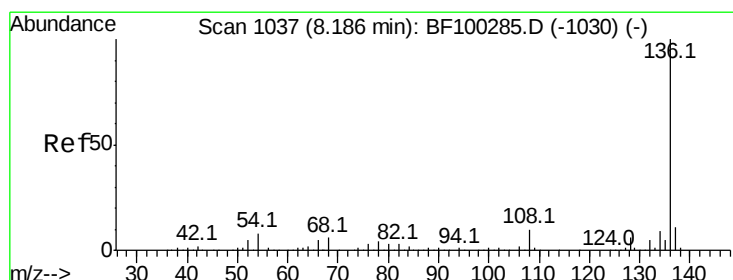
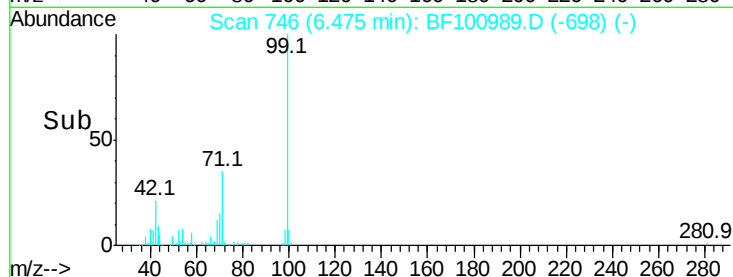
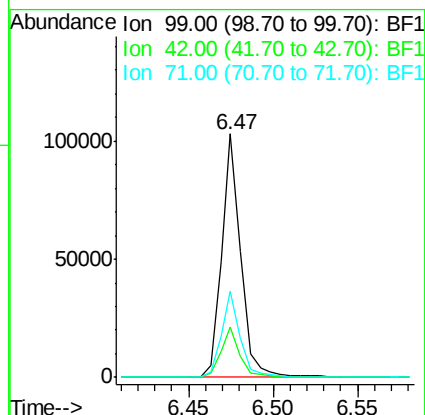
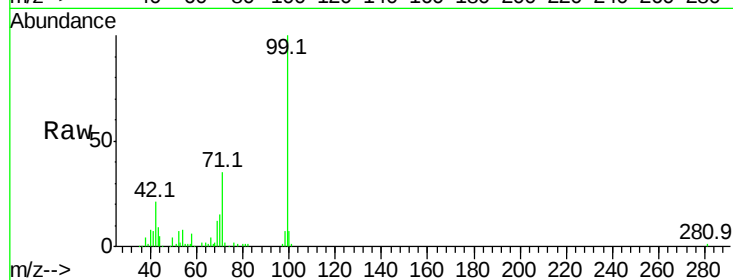
Tot Ion: 99 Resp: 81175

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 35.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

Tgt Ion: 136 Resp: 277869

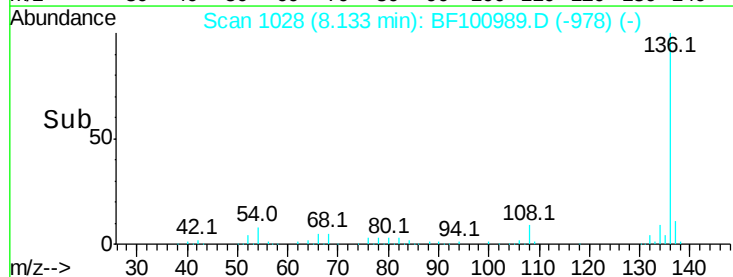
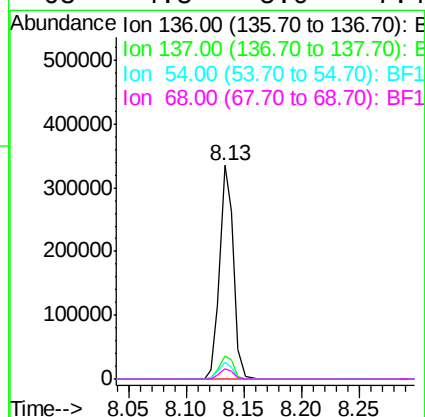
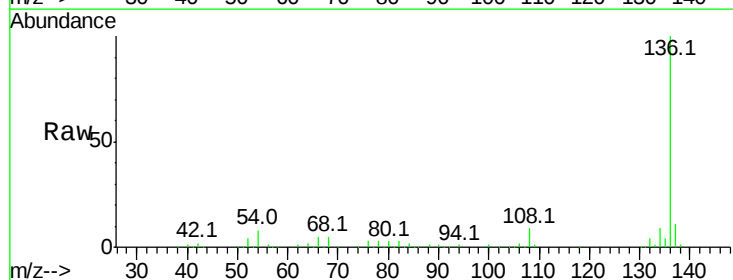
Ion Ratio Lower Upper

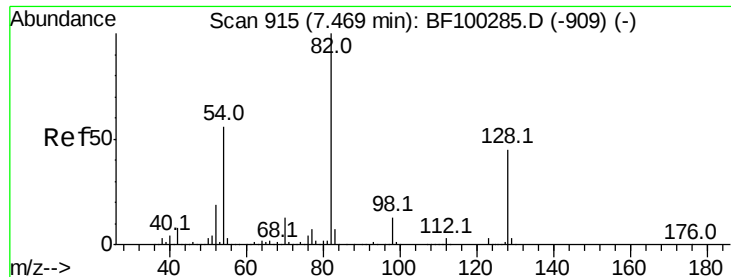
136 100

137 10.6 8.9 13.3

54 7.6 6.6 9.8

68 4.8 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 10.920 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

Instrument :

BNA\_F

ClientSampleId :

CL-02-112817-D

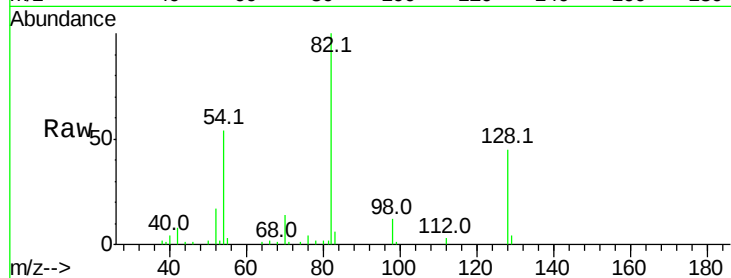
Tot Ion: 82 Resp: 45897

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

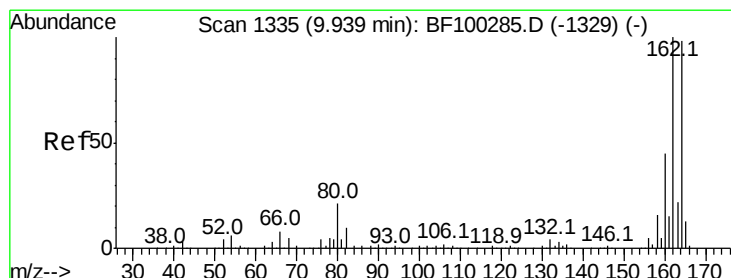
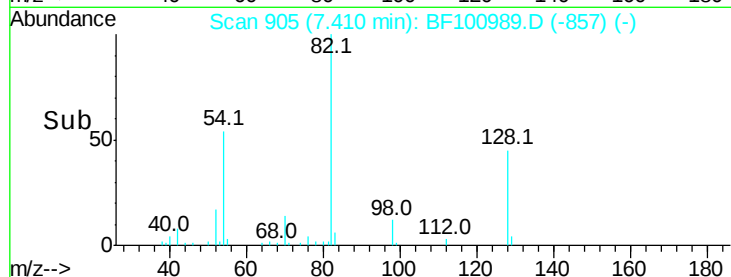
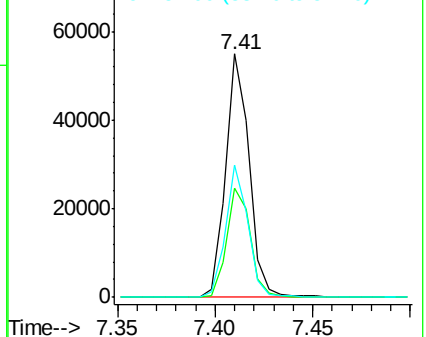
54 54.4 41.4 62.2



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

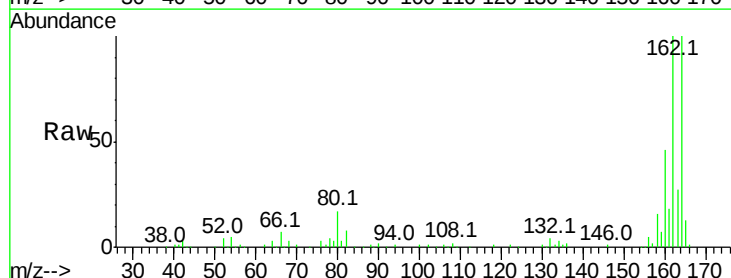
Tgt Ion:164 Resp: 109743

Ion Ratio Lower Upper

164 100

162 100.4 86.1 129.1

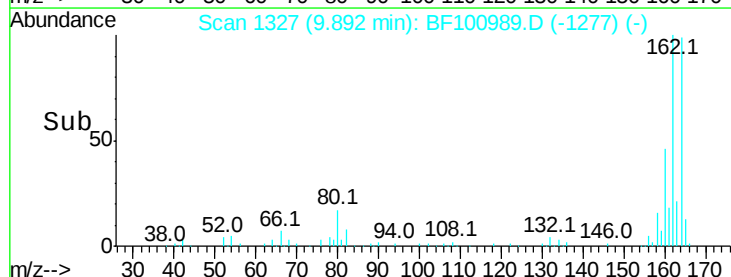
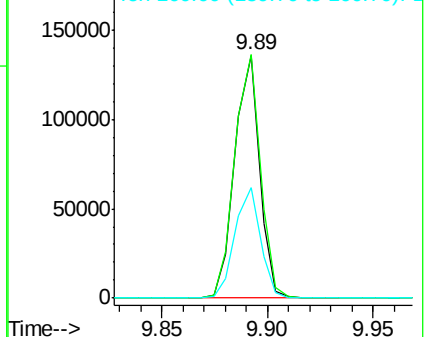
160 45.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

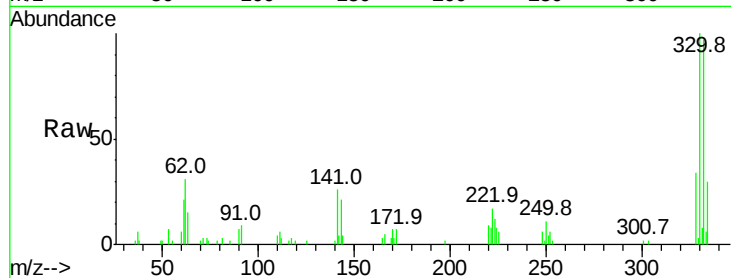




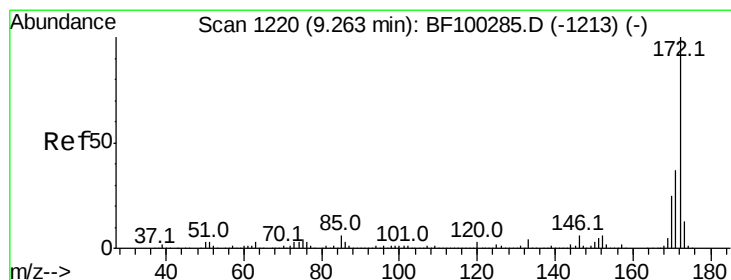
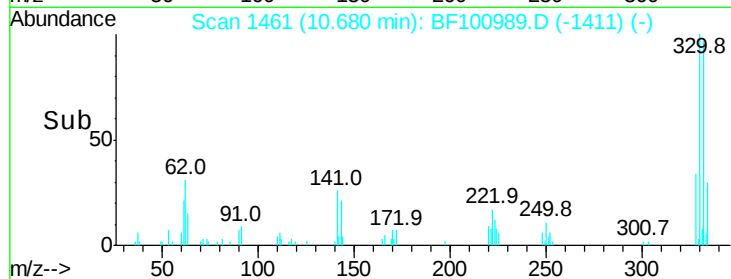
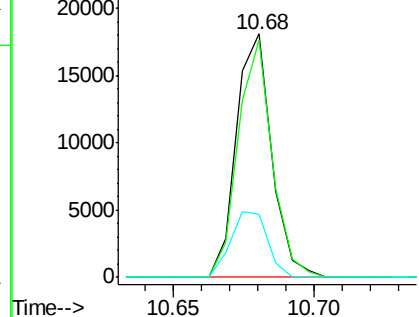
#41  
 2,4,6-Tribromophenol  
 Concen: 14.051 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF100989.D  
 Acq: 29 Nov 2017 20:18

Instrument :  
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 CL-02-112817-D

Tot Ion:330 Resp: 15713  
 Ion Ratio Lower Upper  
 330 100  
 332 93.7 77.0 115.6  
 141 28.0 29.9 44.9#

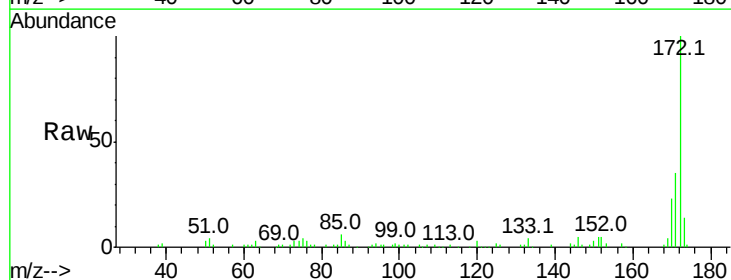


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

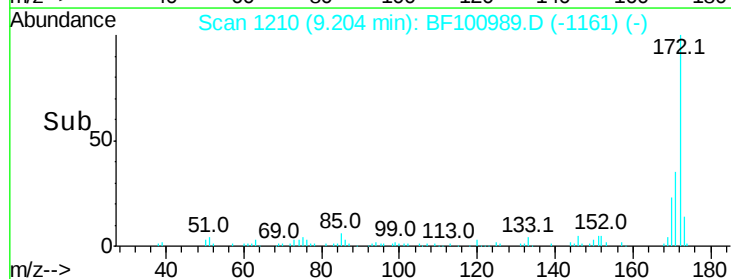
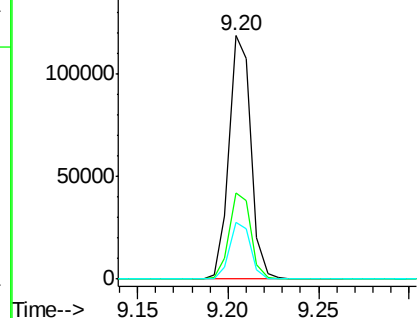


#44  
 2-Fluorobiphenyl  
 Concen: 13.912 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF100989.D  
 Acq: 29 Nov 2017 20:18

Tgt Ion:172 Resp: 100267  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 29.7 44.5  
 170 23.4 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

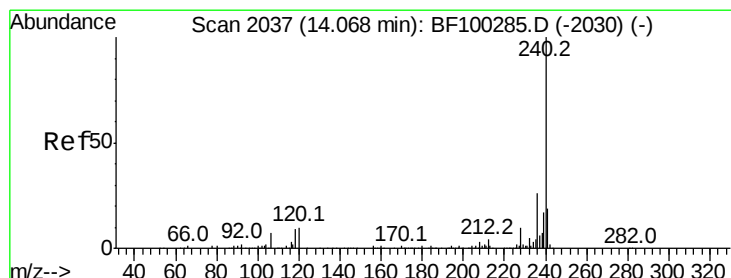
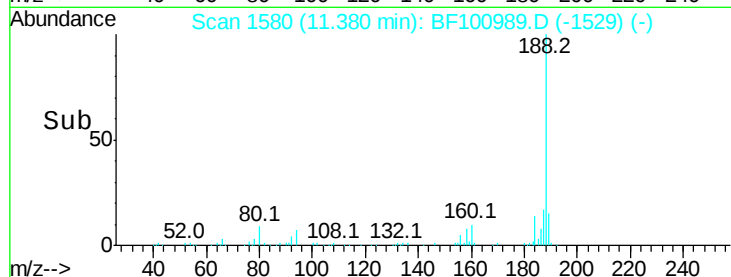
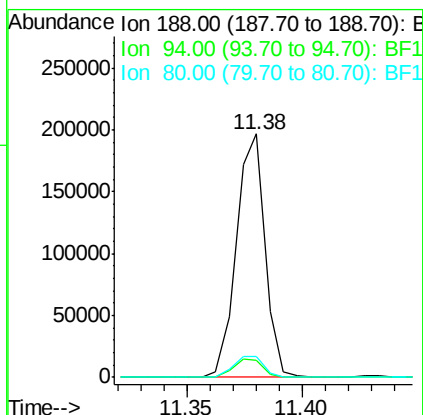
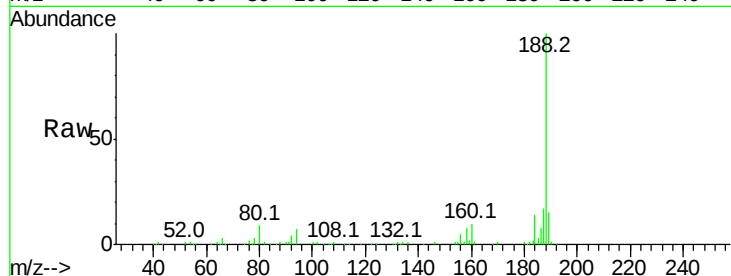




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: BF100989.D  
Acq: 29 Nov 2017 20:18

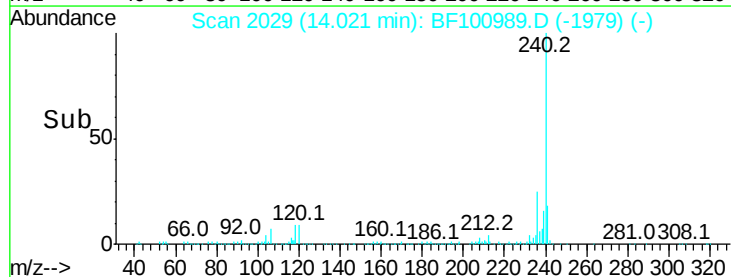
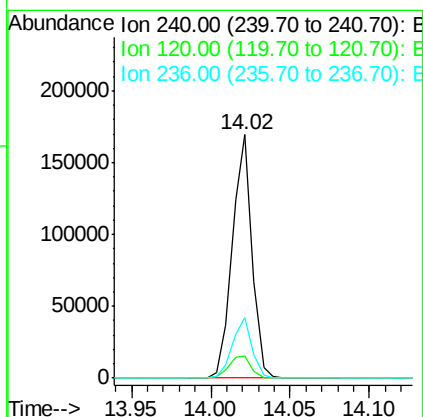
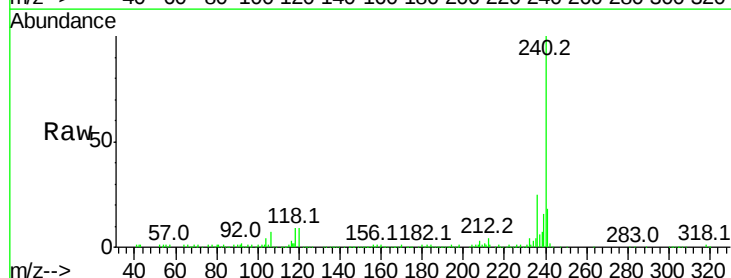
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-112817-D

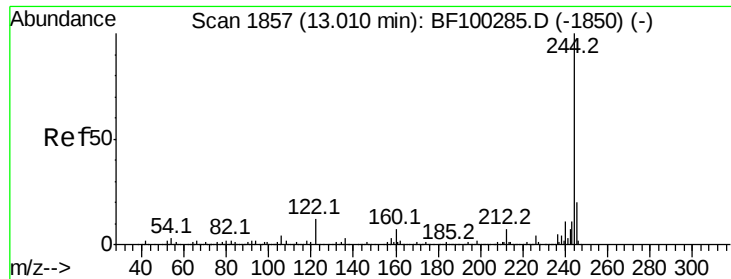
Tot Ion:188 Resp: 170289  
Ion Ratio Lower Upper  
188 100  
94 7.2 8.5 12.7#  
80 8.6 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF100989.D  
Acq: 29 Nov 2017 20:18

Tgt Ion:240 Resp: 145491  
Ion Ratio Lower Upper  
240 100  
120 9.2 9.5 14.3#  
236 25.1 20.7 31.1





#78

Terphenyl-d14

Concen: 11.106 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

Instrument :

BNA\_F

ClientSampleId :

CL-02-112817-D

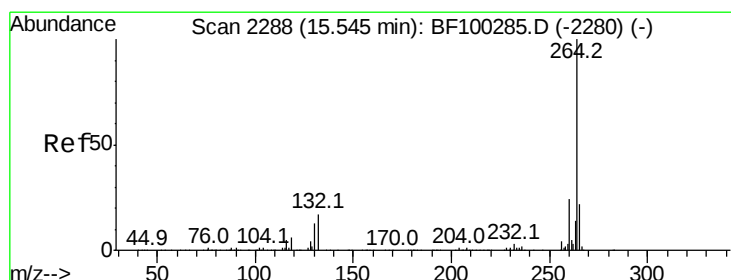
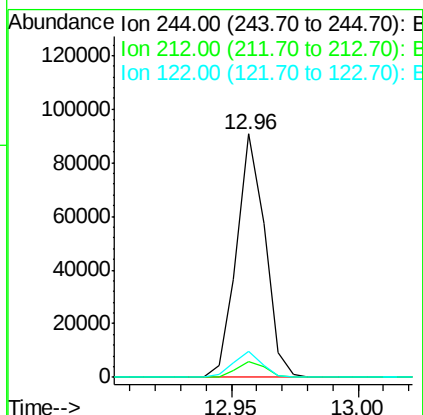
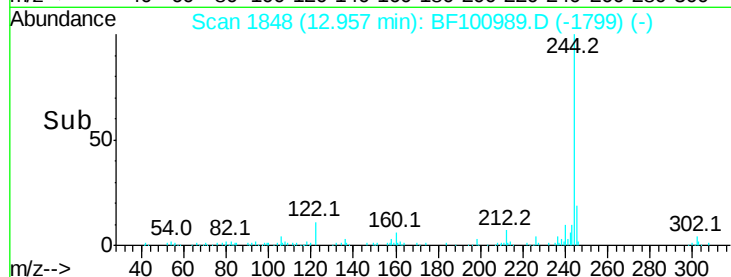
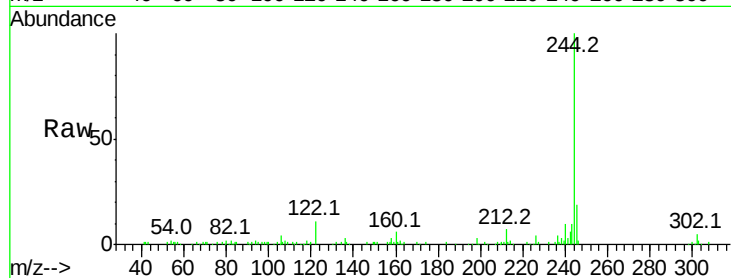
Tot Ion:244 Resp: 70324

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.6 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF100989.D

Acq: 29 Nov 2017 20:18

Tgt Ion:264 Resp: 108933

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 20.9 17.5 26.3

