

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
 Data File : BF101763.D  
 Acq On : 27 Dec 2017 15:40  
 Operator : SJ/JU  
 Sample : PB105361BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105361BL

Quant Time: Dec 28 04:25:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 26 10:48:01 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 144661   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 582722   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.82  | 164  | 273473   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.32 | 188  | 543416   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 413043   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 312175   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1047391  | 107.85 | ng    | 0.01     |
| 7) Phenol-d6                | 6.44  | 99   | 1261905  | 104.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 790408   | 75.51  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 311499   | 118.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 1373948  | 77.94  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.90 | 244  | 1395614  | 81.46  | ng    | 0.00     |

Target Compounds Qvalue

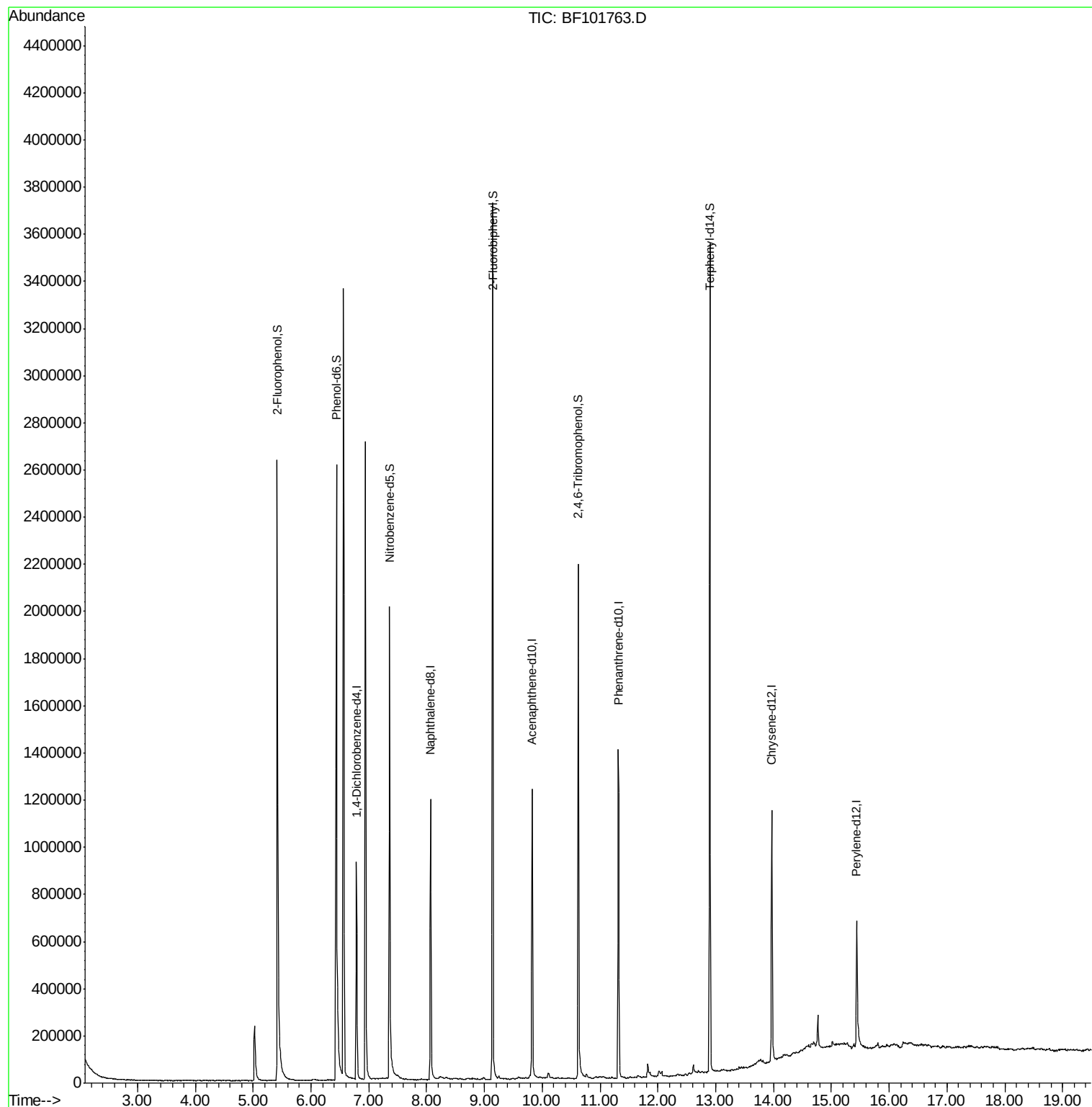
-----

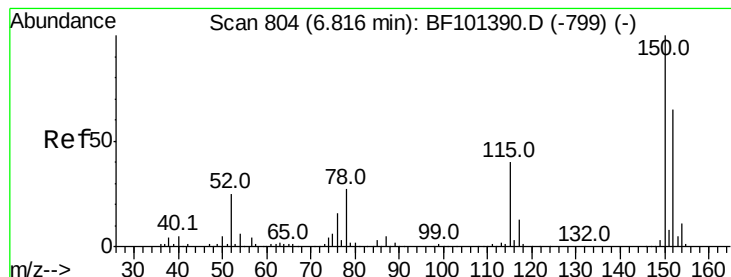
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\  
Data File : BF101763.D  
Acq On : 27 Dec 2017 15:40  
Operator : SJ/JU  
Sample : PB105361BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB105361BL

Quant Time: Dec 28 04:25:29 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 26 10:48:01 2017  
Response via : Initial Calibration



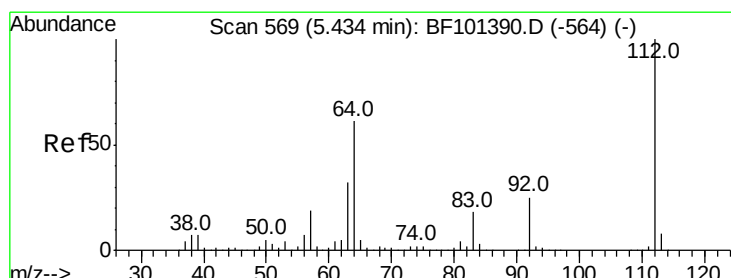
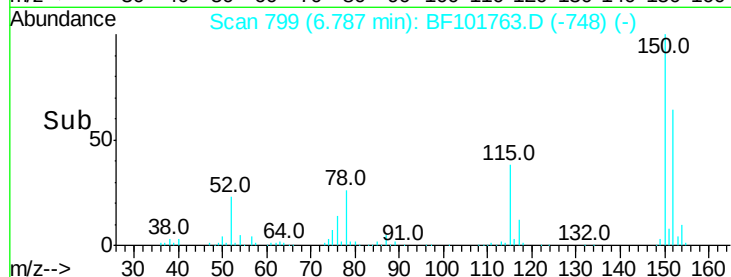
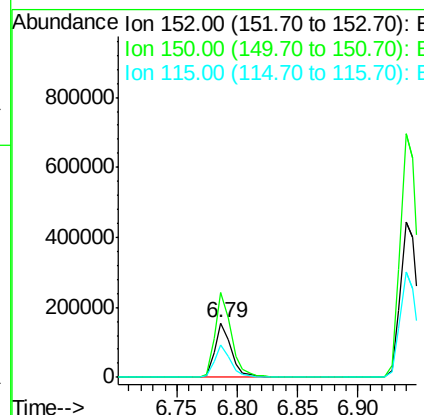
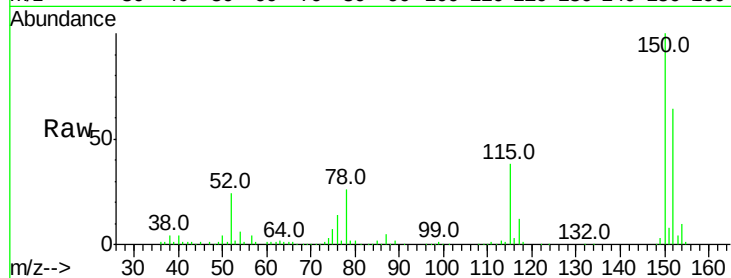


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BF101763.D  
Acq: 27 Dec 2017 15:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB105361BL

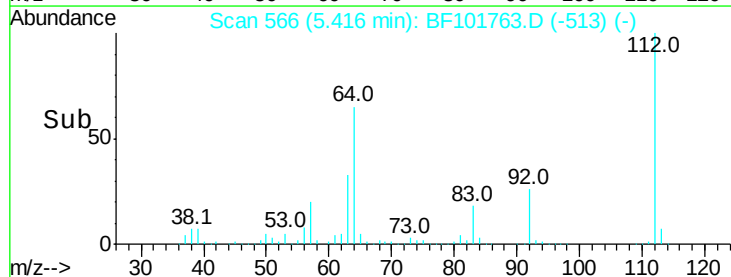
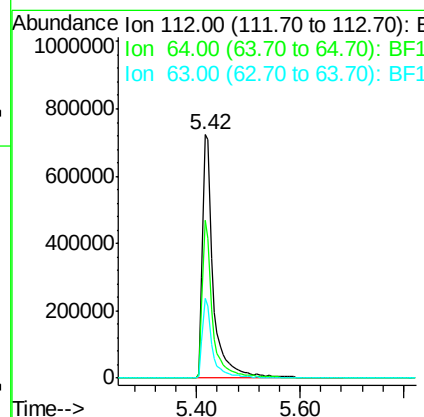
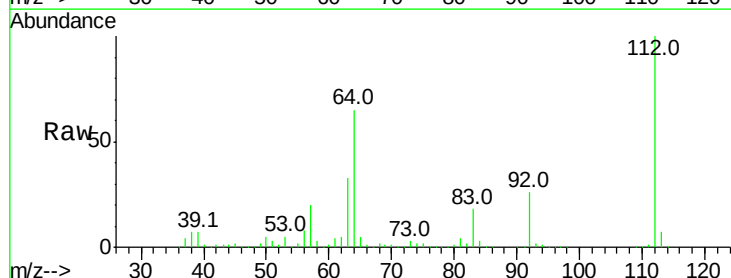
Tot Ion:152 Resp: 144661  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 59.0 50.1 75.1

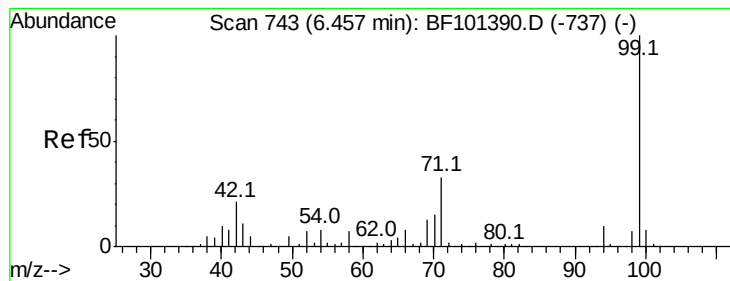


#5

2-Fluorophenol  
Concen: 107.850 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: BF101763.D  
Acq: 27 Dec 2017 15:40

Tgt Ion:112 Resp: 1047391  
Ion Ratio Lower Upper  
112 100  
64 64.7 47.9 71.9  
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 104.407 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

PB105361BL

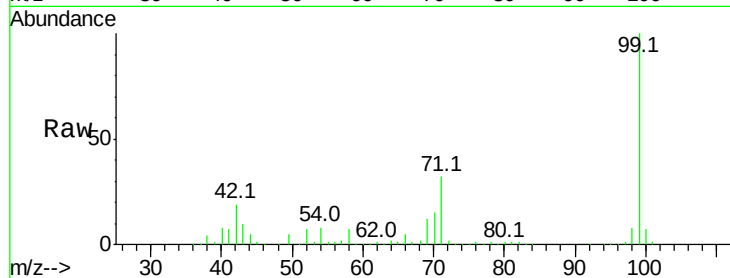
Tot Ion: 99 Resp: 1261905

Ion Ratio Lower Upper

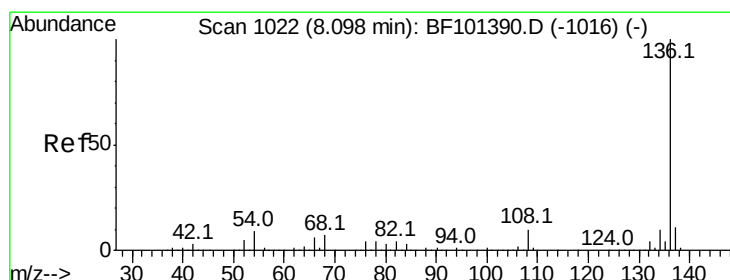
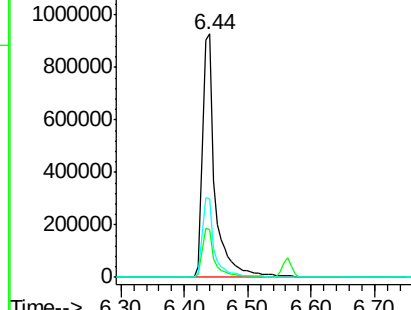
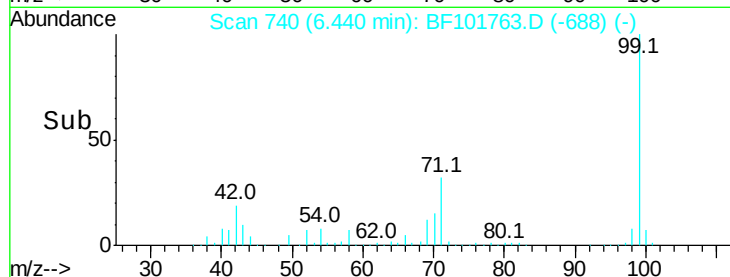
99 100

42 19.4 14.5 21.7

71 32.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Tgt Ion: 136 Resp: 582722

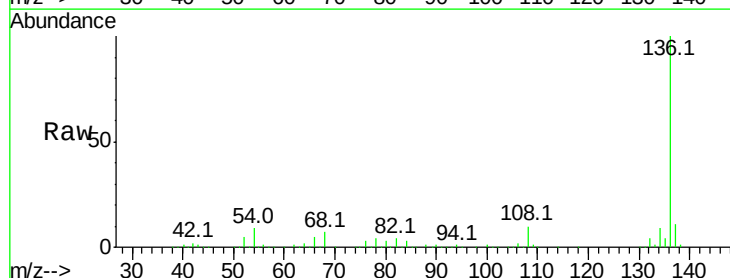
Ion Ratio Lower Upper

136 100

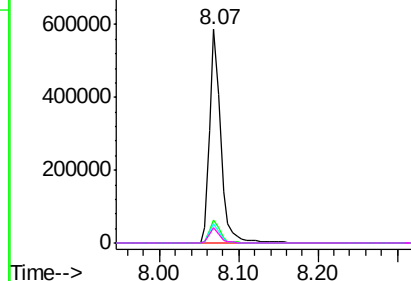
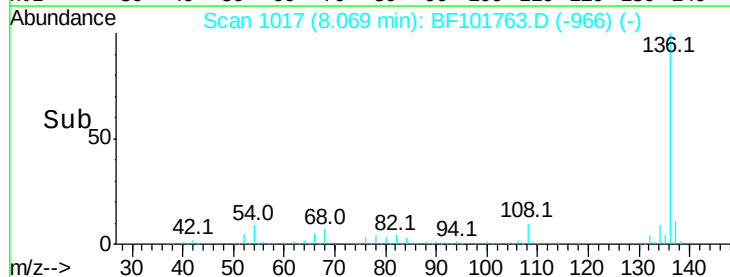
137 10.9 8.9 13.3

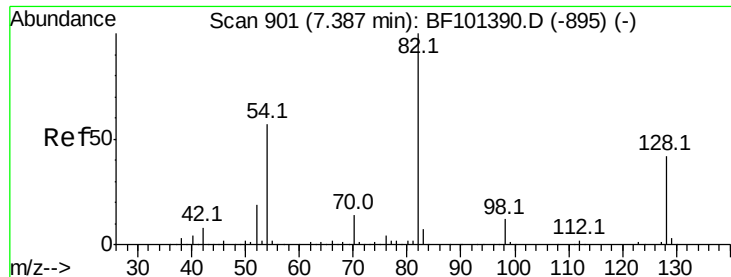
54 9.1 6.6 9.8

68 7.0 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

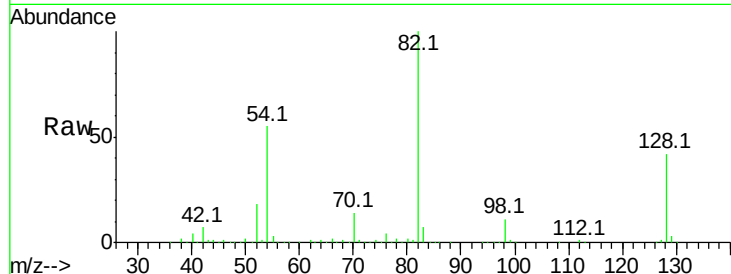




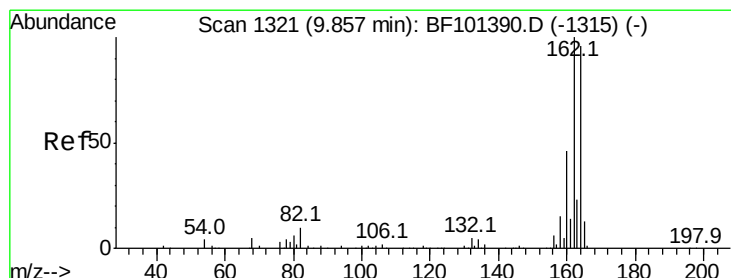
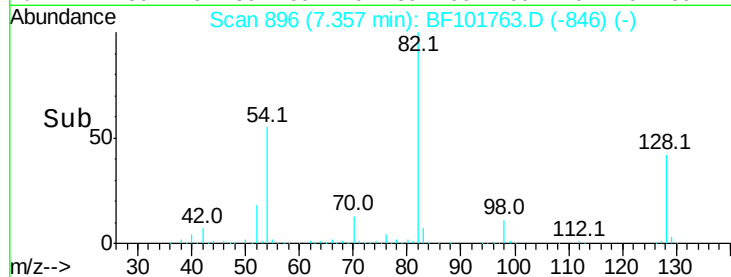
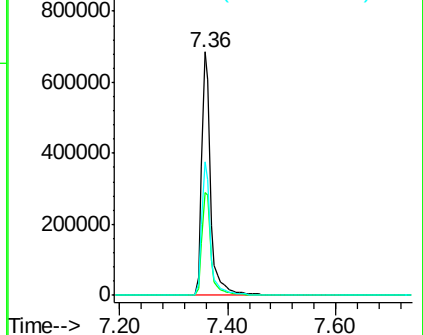
#23  
Nitrobenzene-d5  
Concen: 75.505 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF101763.D  
Acq: 27 Dec 2017 15:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB105361BL

Tot Ion: 82 Resp: 790408  
Ion Ratio Lower Upper  
82 100  
128 42.3 36.1 54.1  
54 54.8 41.4 62.2

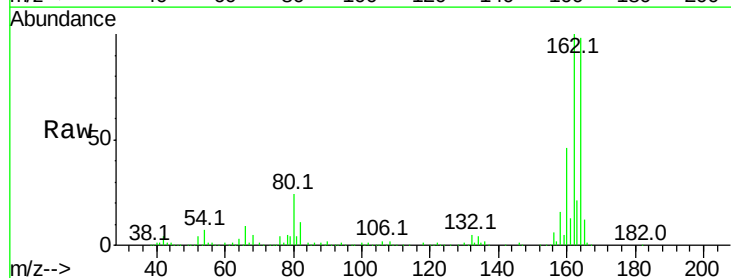


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

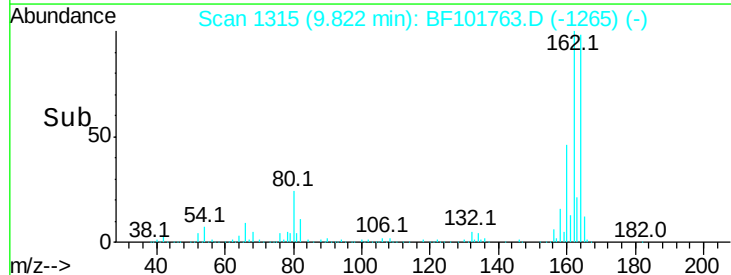
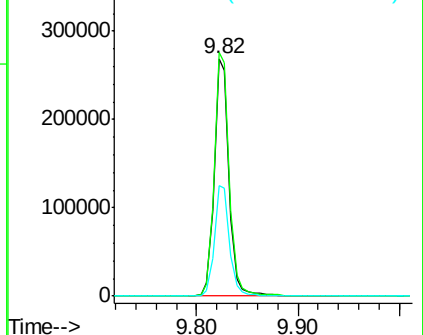


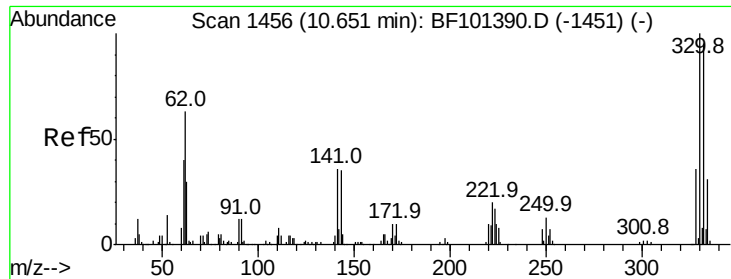
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BF101763.D  
Acq: 27 Dec 2017 15:40

Tgt Ion:164 Resp: 273473  
Ion Ratio Lower Upper  
164 100  
162 102.5 86.1 129.1  
160 46.7 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

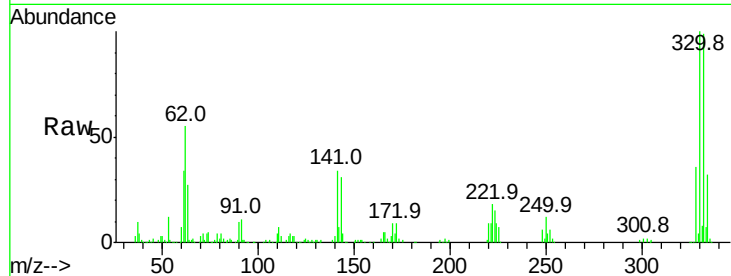




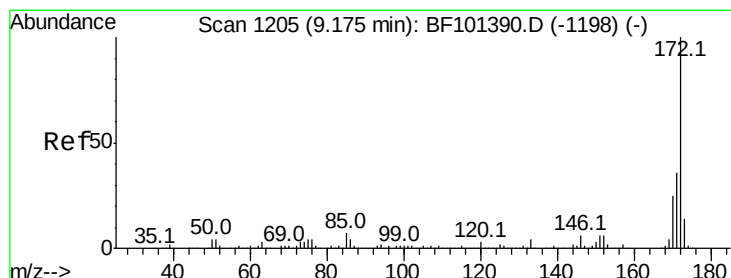
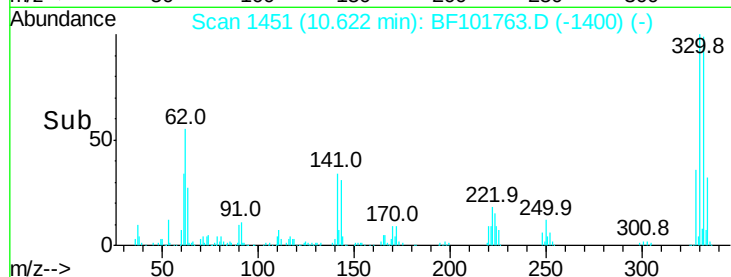
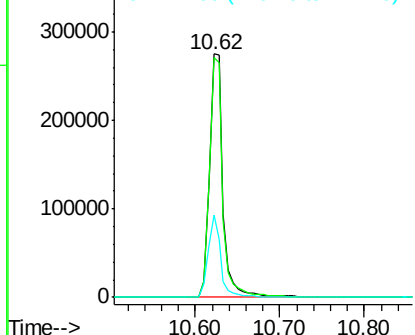
#41  
 2,4,6-Tribromophenol  
 Concen: 118.210 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.00 min  
 Lab File: BF101763.D  
 Acq: 27 Dec 2017 15:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105361BL

Tot Ion:330 Resp: 311499  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.0 115.6  
 141 31.5 29.9 44.9

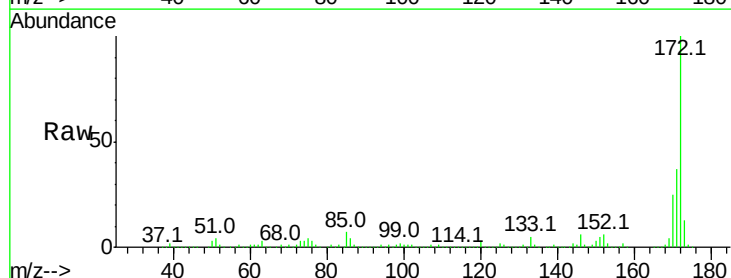


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

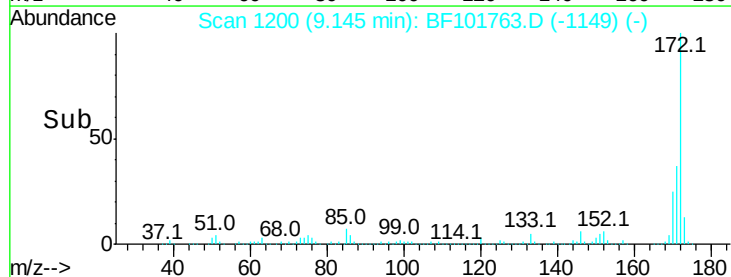
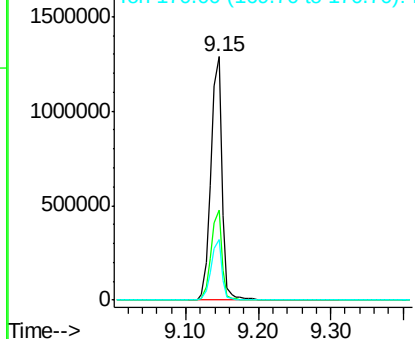


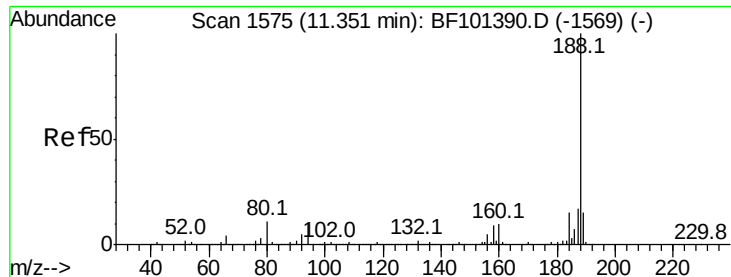
#44  
 2-Fluorobiphenyl  
 Concen: 77.935 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF101763.D  
 Acq: 27 Dec 2017 15:40

Tgt Ion:172 Resp: 1373948  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.7 44.5  
 170 24.7 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: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

PB105361BL

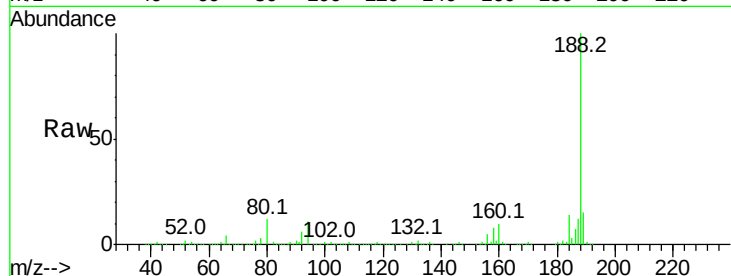
Tot Ion:188 Resp: 543416

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

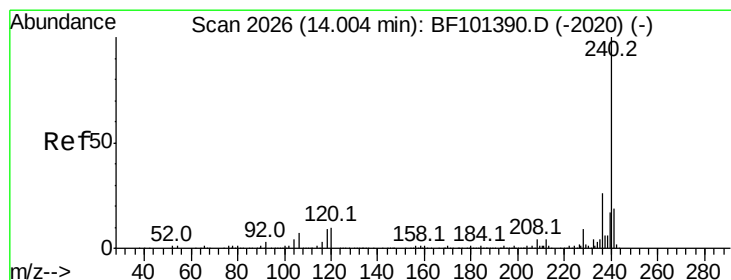
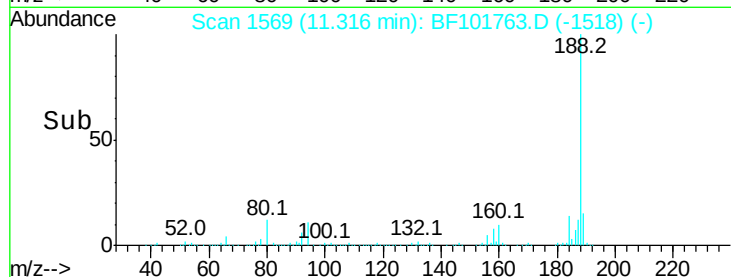
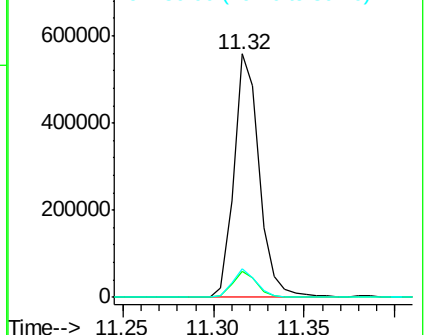
80 11.9 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

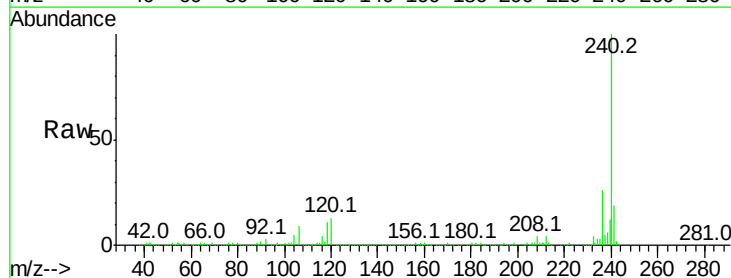
Tgt Ion:240 Resp: 413043

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

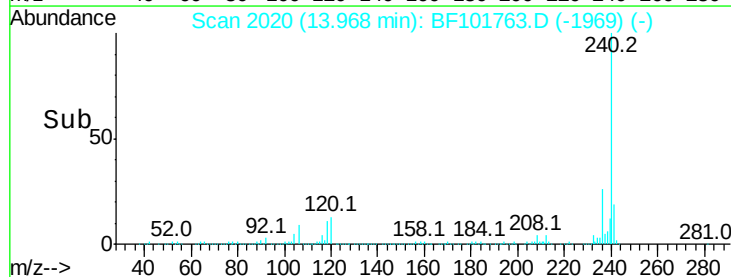
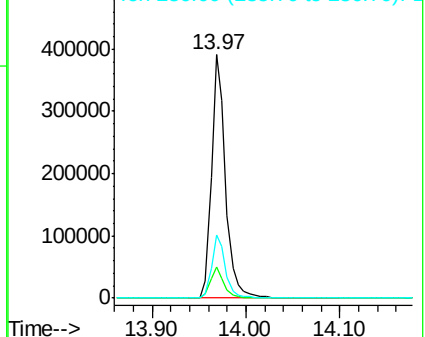
236 25.9 20.7 31.1

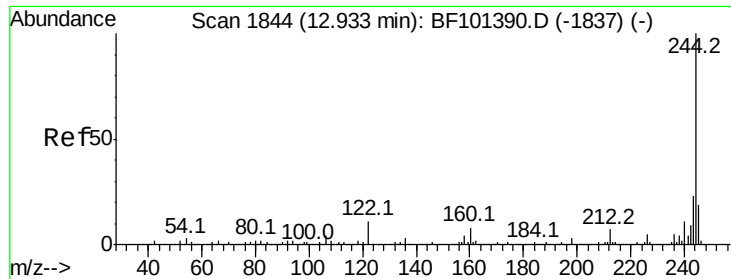


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.456 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

Instrument :

BNA\_F

ClientSampleId :

PB105361BL

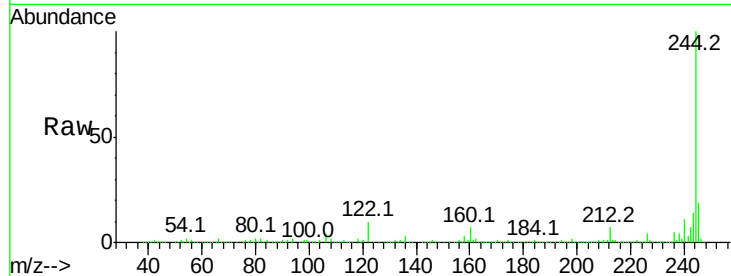
Tot Ion:244 Resp: 1395614

Ion Ratio Lower Upper

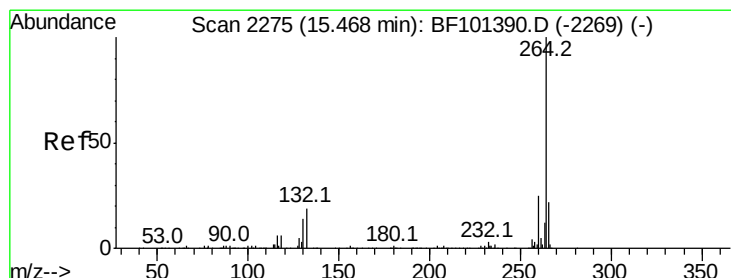
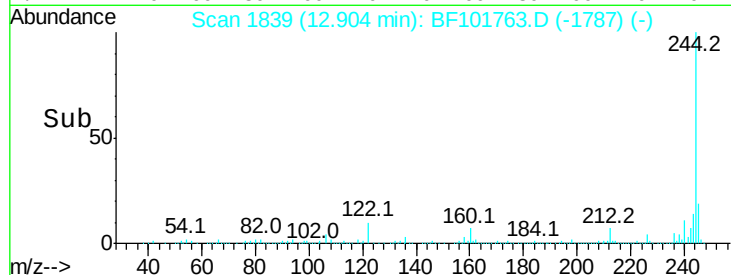
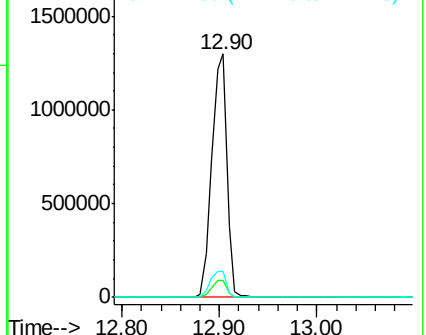
244 100

212 7.0 5.4 8.0

122 10.5 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: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101763.D

Acq: 27 Dec 2017 15:40

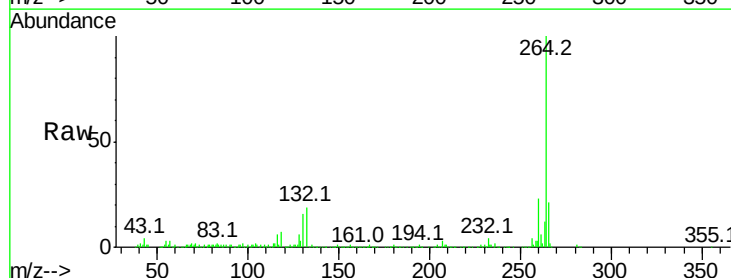
Tgt Ion:264 Resp: 312175

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 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

