

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF122617\  
 Data File : BF101705.D  
 Acq On : 26 Dec 2017 10:36  
 Operator : SJ/JU  
 Sample : PB105279BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105279BL

Quant Time: Dec 26 11:20:59 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  | 145790   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 590218   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.82  | 164  | 266701   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.32 | 188  | 548667   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.96 | 240  | 501610   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.43 | 264  | 460657   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 1040446  | 106.31 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 1248307  | 102.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 793411   | 74.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 312766   | 121.70 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 1365773  | 79.44  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.90 | 244  | 1436308  | 69.03  | ng    | 0.00     |

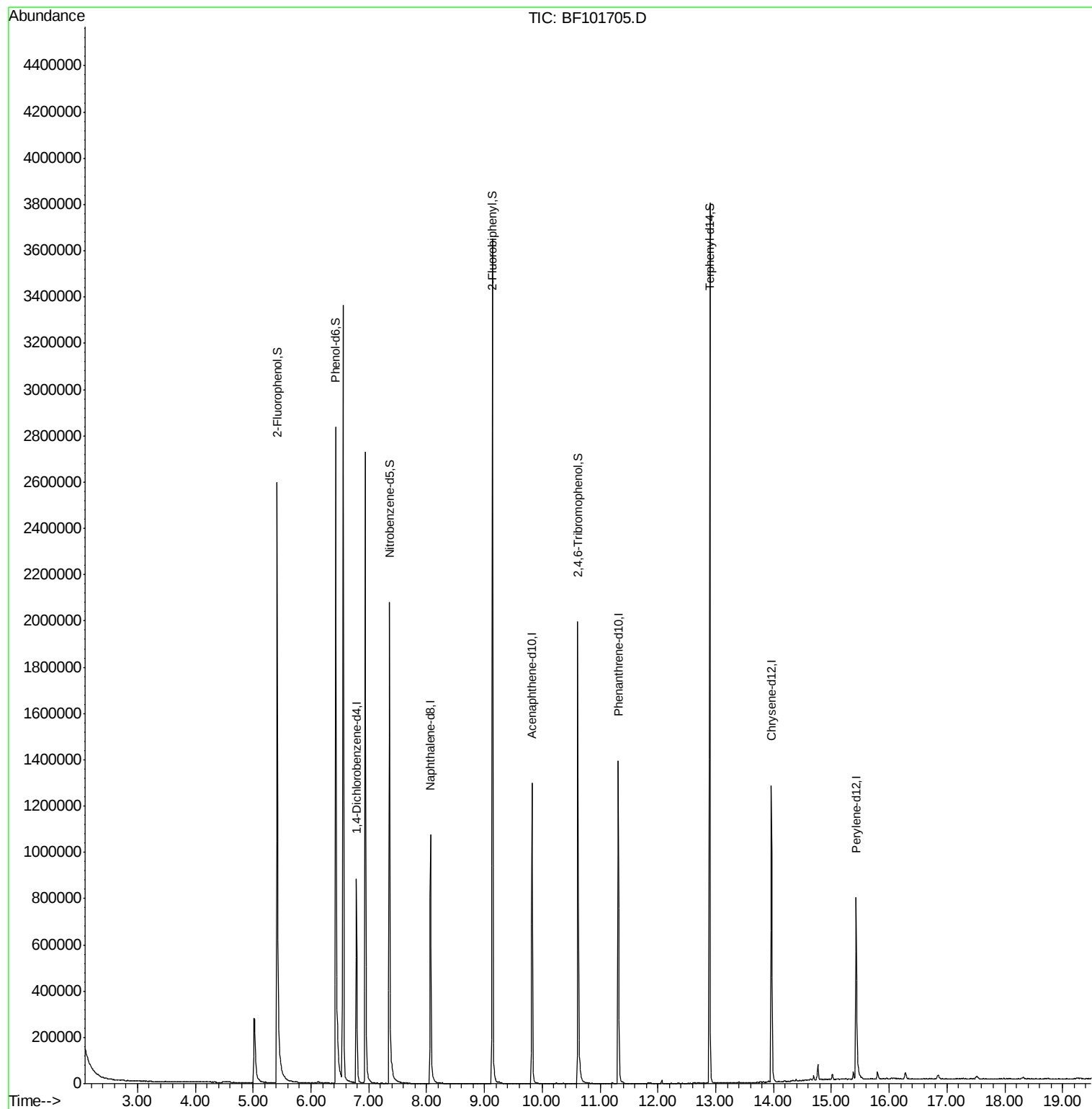
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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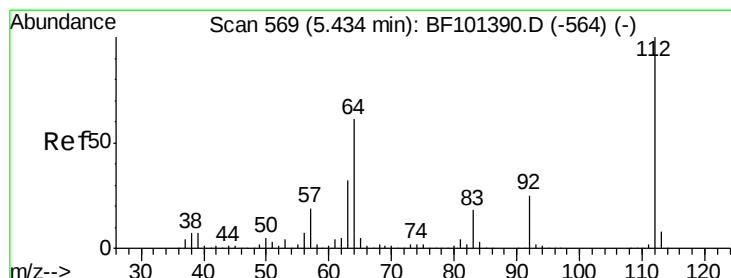
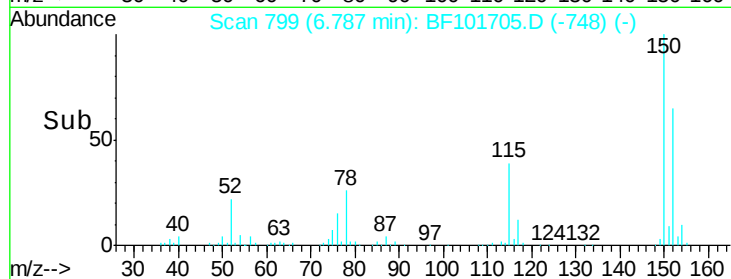
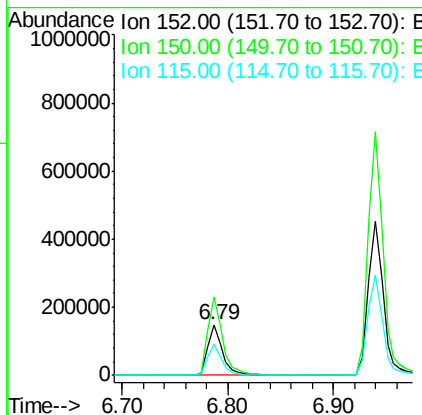
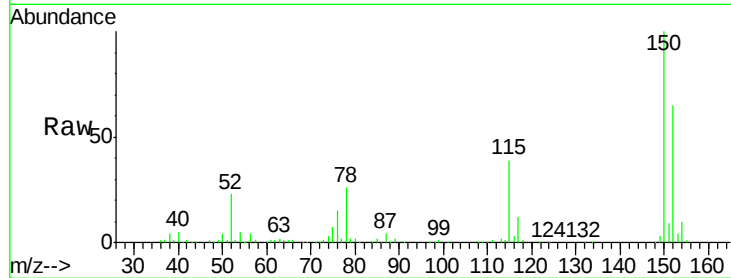


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BF101705.D  
Acq: 26 Dec 2017 10:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB105279BL

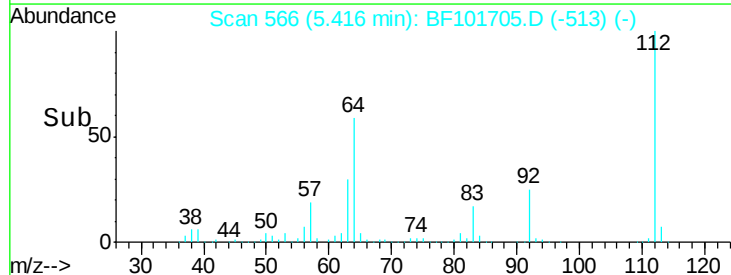
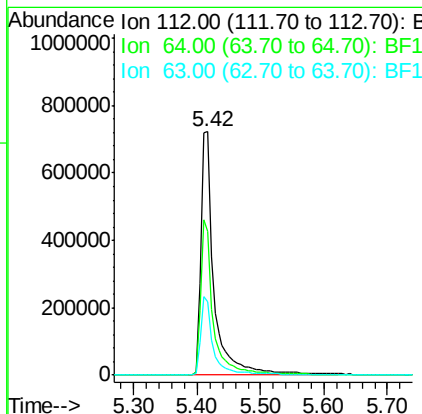
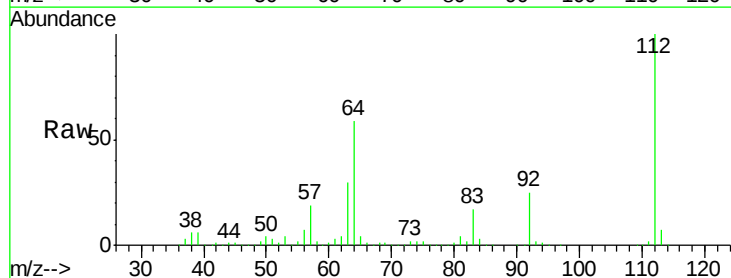
Tgt Ion:152 Resp: 145790  
Ion Ratio Lower Upper  
152 100  
150 154.4 124.6 186.8  
115 59.9 50.1 75.1

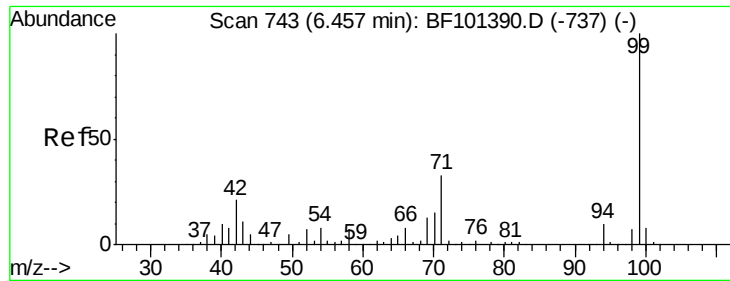


#5

2-Fluorophenol  
Concen: 106.305 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: BF101705.D  
Acq: 26 Dec 2017 10:36

Tgt Ion:112 Resp: 1040446  
Ion Ratio Lower Upper  
112 100  
64 59.0 47.9 71.9  
63 30.0 23.7 35.5





#7

Phenol-d6

Concen: 102.482 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101705.D

Acq: 26 Dec 2017 10:36

Instrument :

BNA\_F

ClientSampleId :

PB105279BL

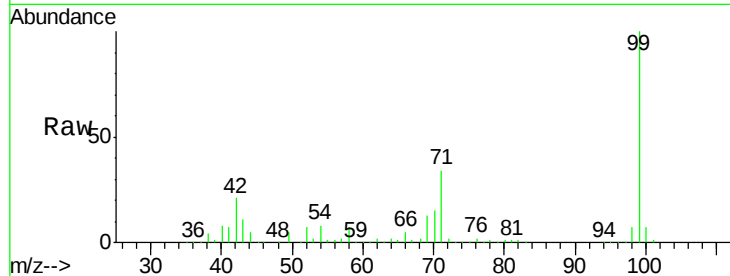
Tgt Ion: 99 Resp: 1248307

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

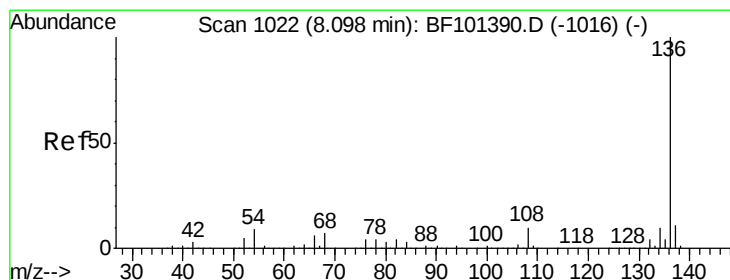
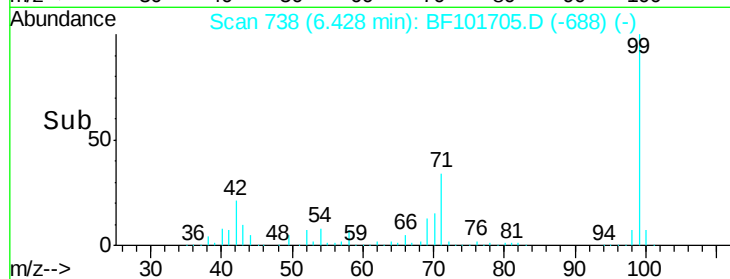
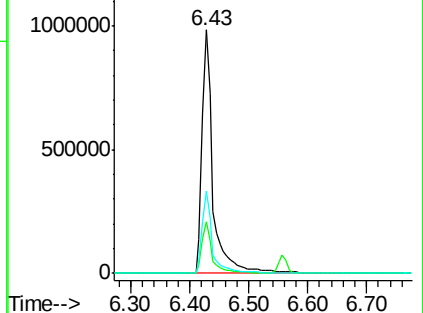
71 33.8 25.4 38.0



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: BF101705.D

Acq: 26 Dec 2017 10:36

Tgt Ion: 136 Resp: 590218

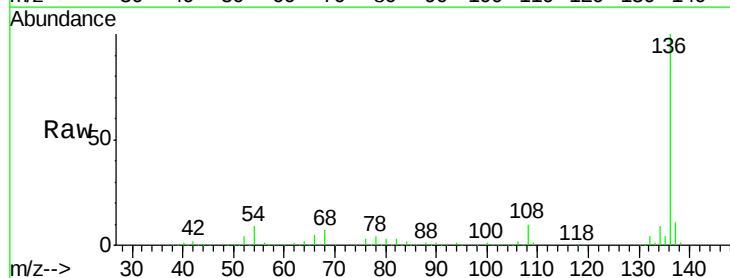
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.8 6.6 9.8

68 6.6 5.0 7.4

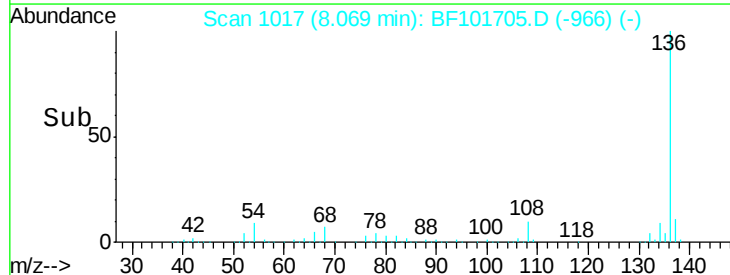
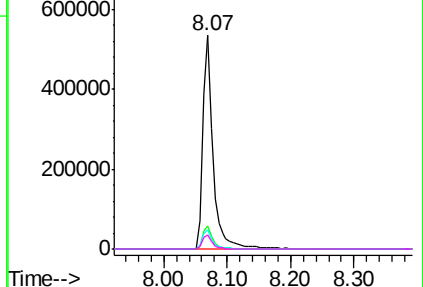


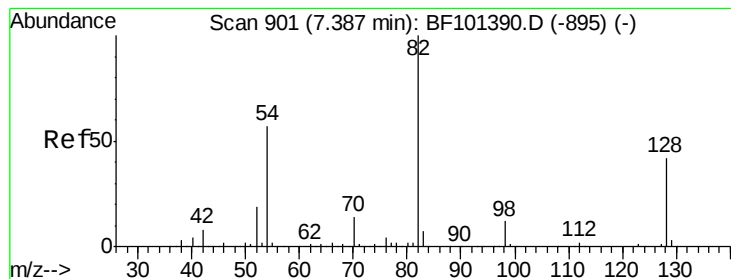
Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.830 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101705.D

Acq: 26 Dec 2017 10:36

Instrument :

BNA\_F

ClientSampleId :

PB105279BL

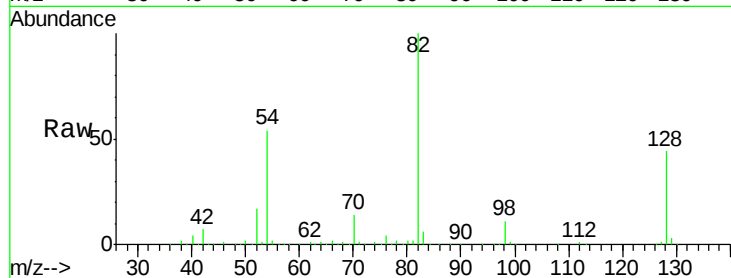
Tgt Ion: 82 Resp: 793411

Ion Ratio Lower Upper

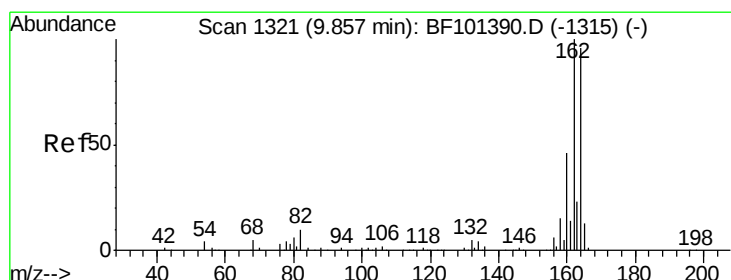
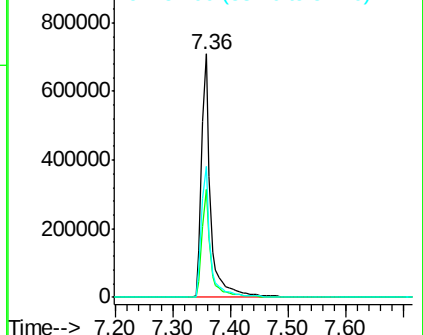
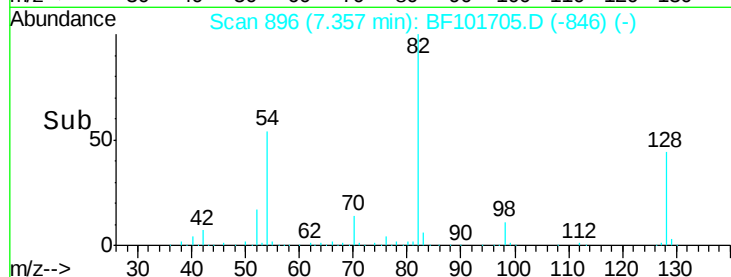
82 100

128 44.3 36.1 54.1

54 53.9 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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101705.D

Acq: 26 Dec 2017 10:36

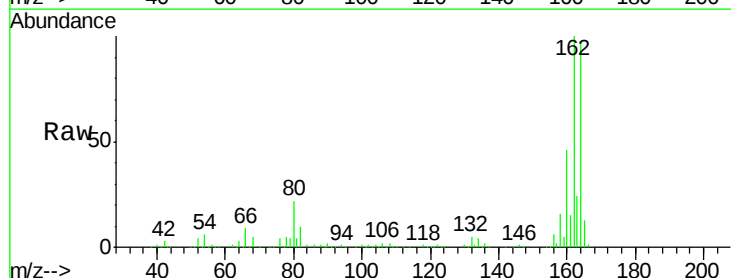
Tgt Ion: 164 Resp: 266701

Ion Ratio Lower Upper

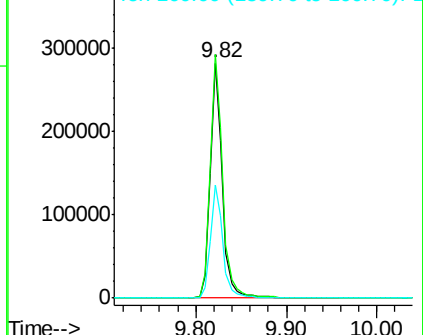
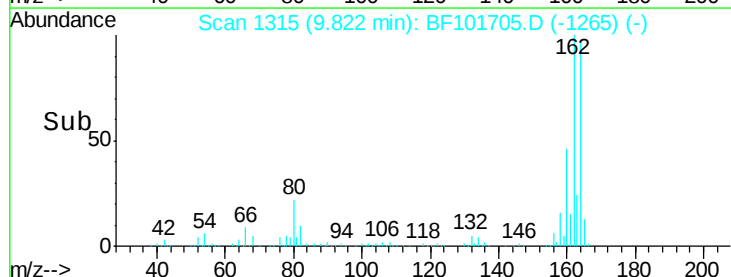
164 100

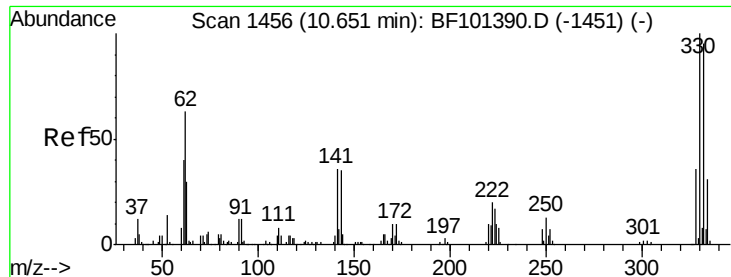
162 103.5 86.1 129.1

160 47.9 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

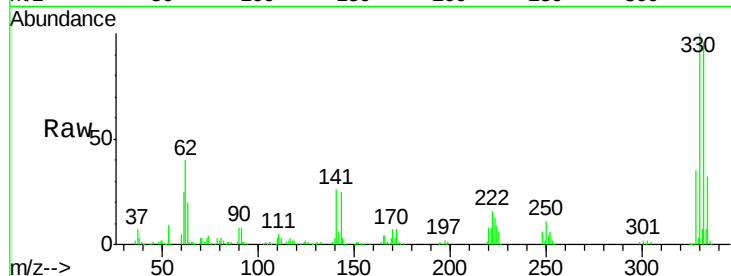




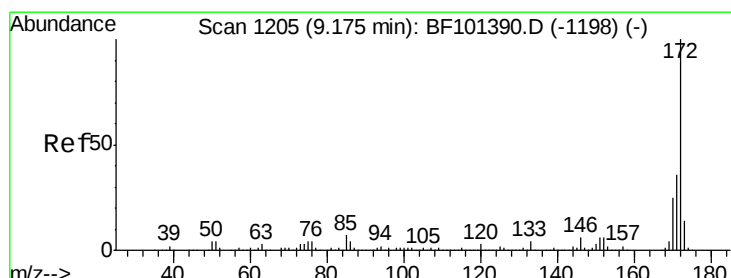
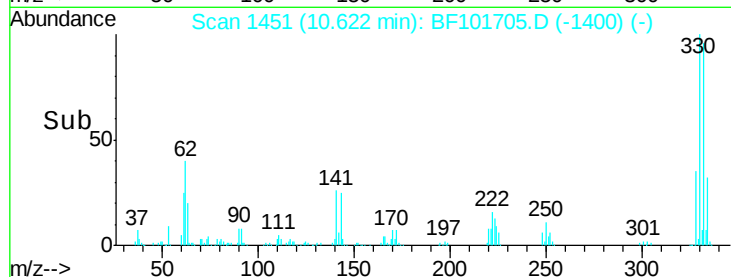
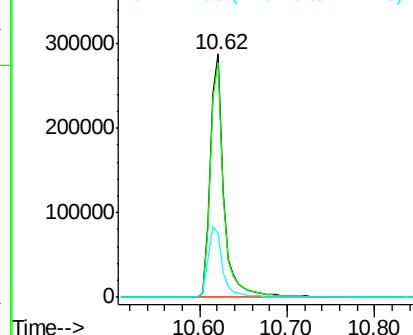
#41  
 2,4,6-Tribromophenol  
 Concen: 121.705 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.00 min  
 Lab File: BF101705.D  
 Acq: 26 Dec 2017 10:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105279BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 77.0  | 115.6 |
| 141     | 31.9  | 29.9  | 44.9  |

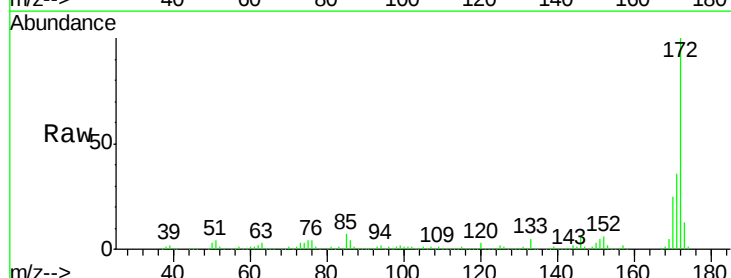


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

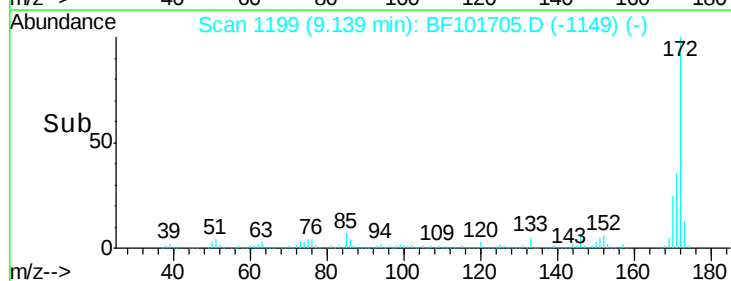
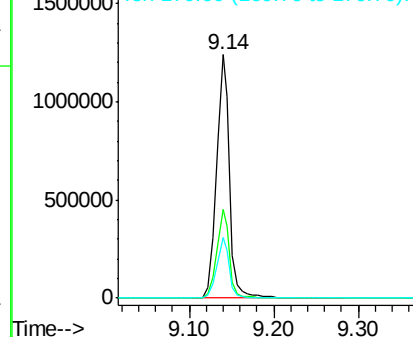


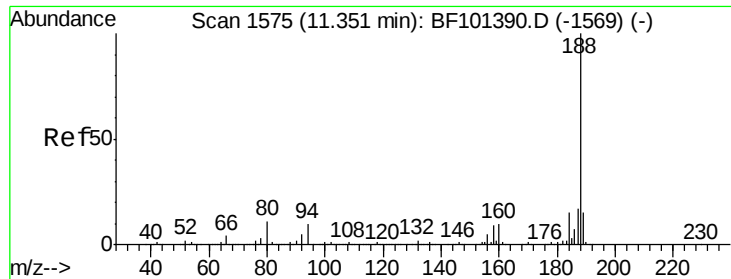
#44  
 2-Fluorobiphenyl  
 Concen: 79.439 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF101705.D  
 Acq: 26 Dec 2017 10:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 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

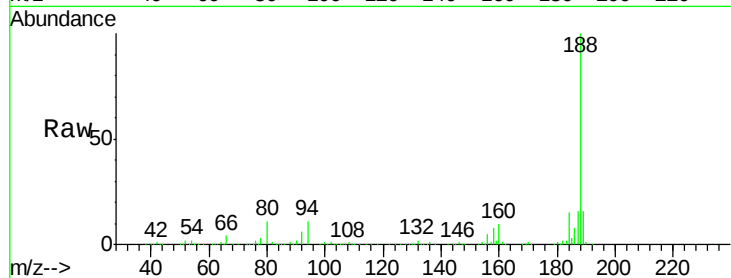




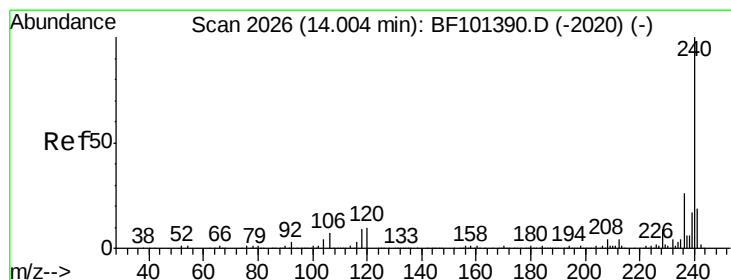
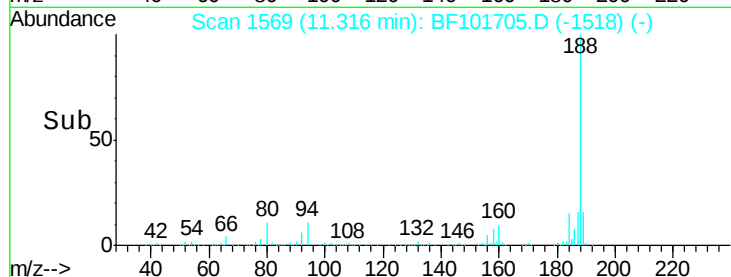
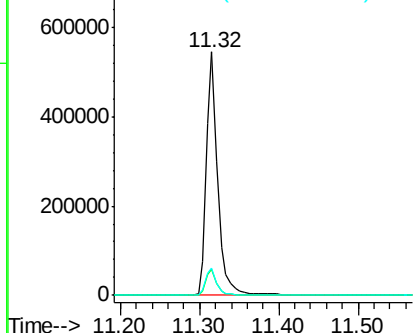
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.00 min  
Lab File: BF101705.D  
Acq: 26 Dec 2017 10:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB105279BL

Tgt Ion:188 Resp: 548667  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.5 12.7  
80 11.1 9.2 13.8

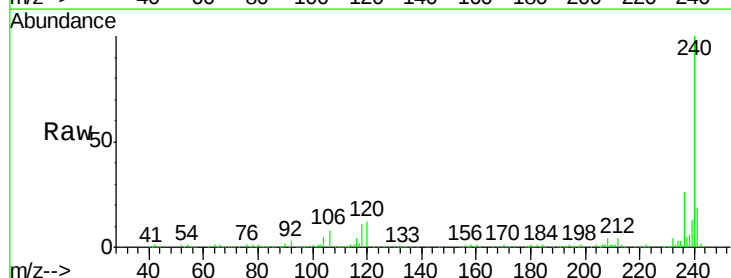


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

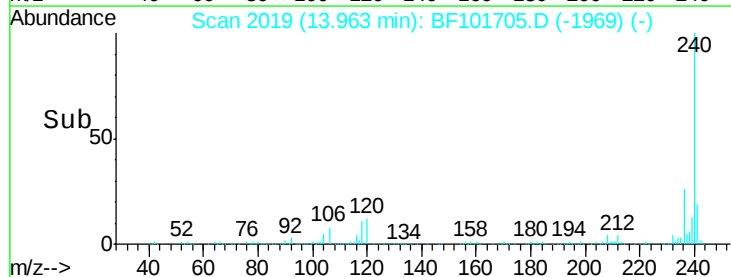
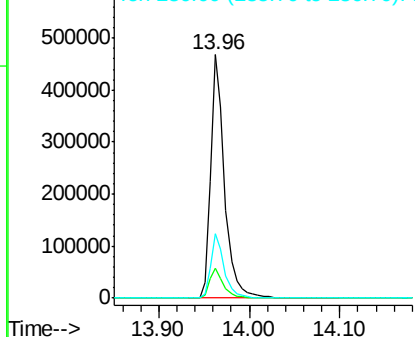


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF101705.D  
Acq: 26 Dec 2017 10:36

Tgt Ion:240 Resp: 501610  
Ion Ratio Lower Upper  
240 100  
120 12.3 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





#78

Terphenyl-d14

Concen: 69.030 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101705.D

Acq: 26 Dec 2017 10:36

Instrument :

BNA\_F

ClientSampleId :

PB105279BL

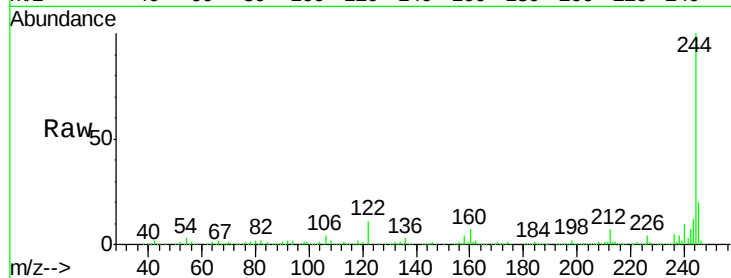
Tgt Ion:244 Resp: 1436308

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

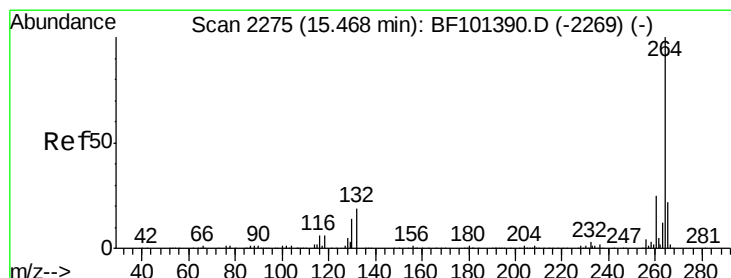
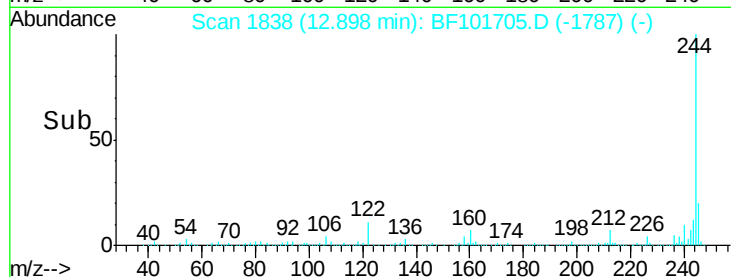
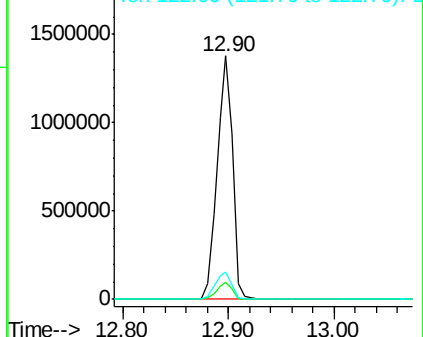
122 11.1 11.0 16.4



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: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101705.D

Acq: 26 Dec 2017 10:36

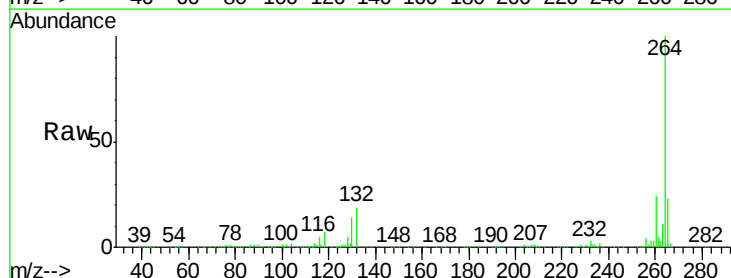
Tgt Ion:264 Resp: 460657

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.7 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

