

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071218\  
 Data File : BF107333.D  
 Acq On : 12 Jul 2018 12:45  
 Operator : JU/SJ  
 Sample : PB110986BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110986BL

Quant Time: Jul 12 15:18:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 11 16:39:37 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.93  | 152  | 62098    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.21  | 136  | 237336   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.98  | 164  | 127543   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.48 | 188  | 277173   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.14 | 240  | 230395   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 199155   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 506749   | 138.18 | ng    | 0.02     |
| 7) Phenol-d6                | 6.58  | 99   | 631797   | 137.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.50  | 82   | 424381   | 99.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 232910   | 157.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 771927   | 106.11 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.07 | 244  | 981242   | 103.16 | ng    | 0.00     |

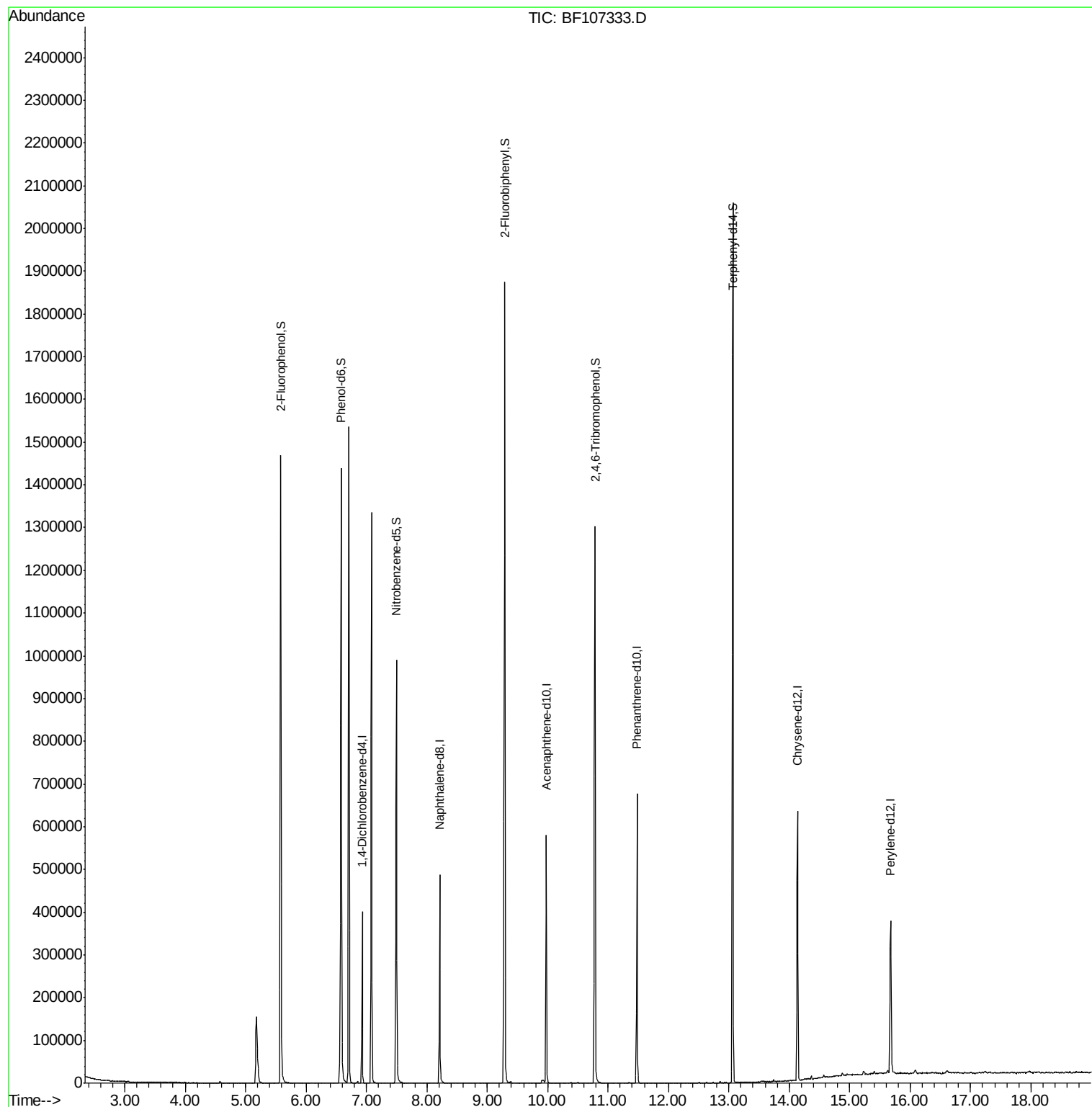
Target Compounds Qvalue

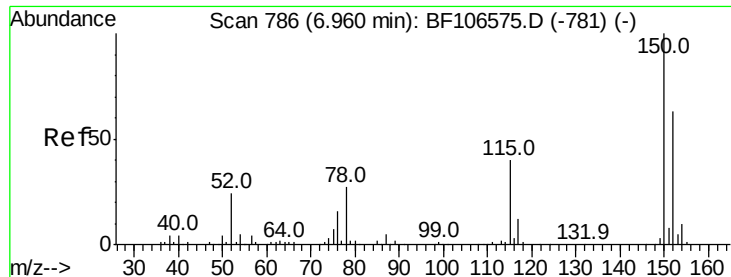
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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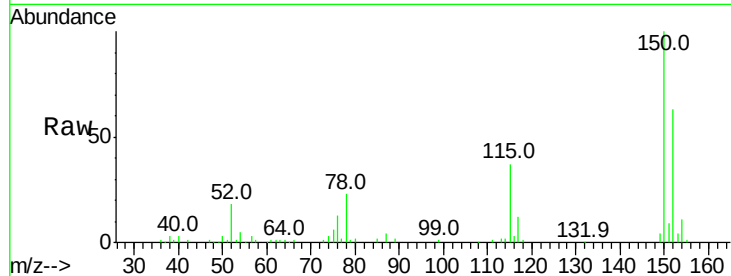


#1

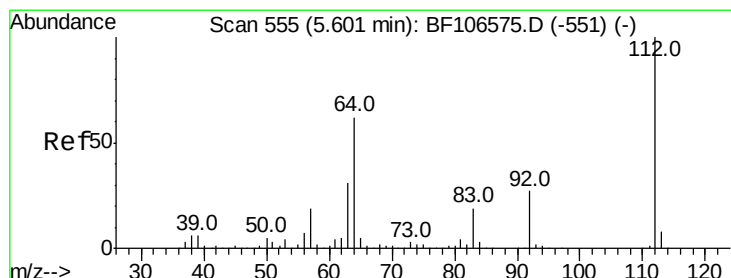
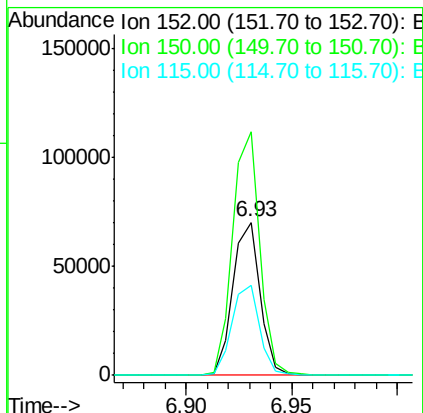
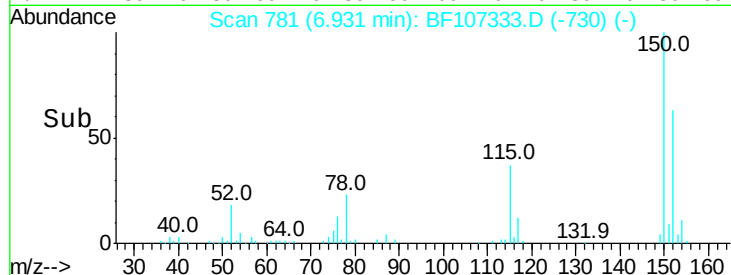
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BF107333.D  
Acq: 12 Jul 2018 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB110986BL

Tot Ion:152 Resp: 62098  
Ion Ratio Lower Upper  
152 100  
150 159.4 124.6 186.8  
115 59.1 50.1 75.1



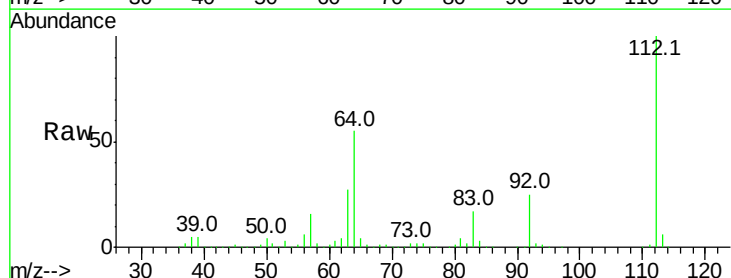
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



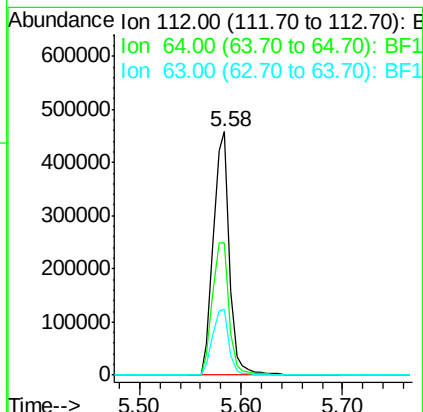
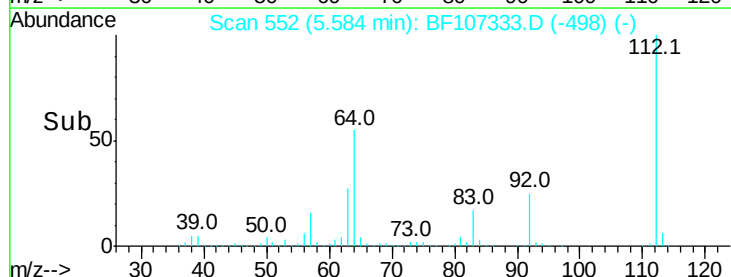
#5

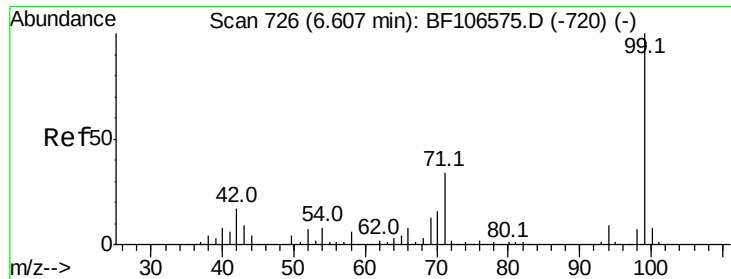
2-Fluorophenol  
Concen: 138.183 ng  
RT: 5.58 min Scan# 552  
Delta R.T. 0.02 min  
Lab File: BF107333.D  
Acq: 12 Jul 2018 12:45

Tgt Ion:112 Resp: 506749  
Ion Ratio Lower Upper  
112 100  
64 54.6 47.9 71.9  
63 27.0 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: 137.957 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107333.D

Acq: 12 Jul 2018 12:45

Instrument :

BNA\_F

ClientSampleId :

PB110986BL

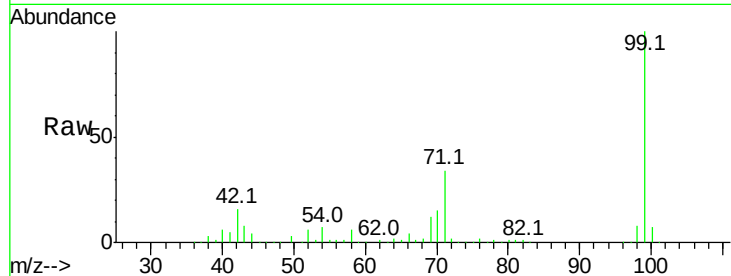
Tot Ion: 99 Resp: 631797

Ion Ratio Lower Upper

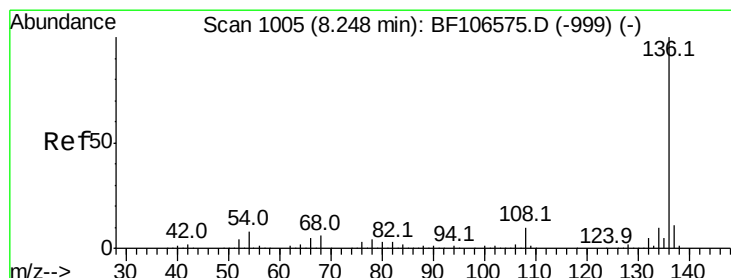
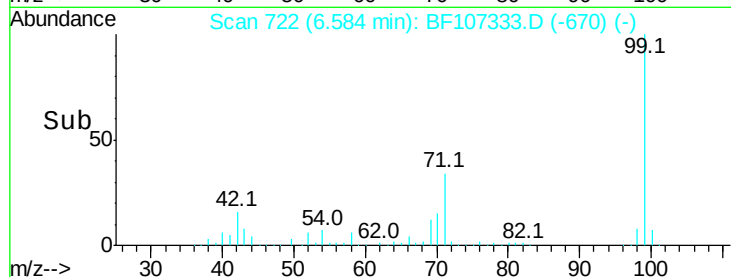
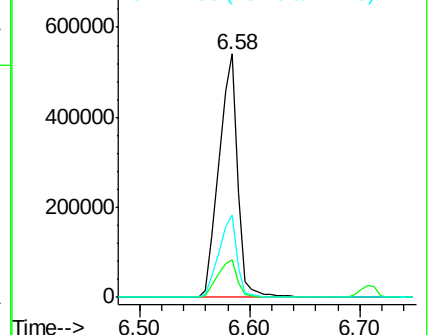
99 100

42 15.7 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: 8.21 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF107333.D

Acq: 12 Jul 2018 12:45

Tgt Ion: 136 Resp: 237336

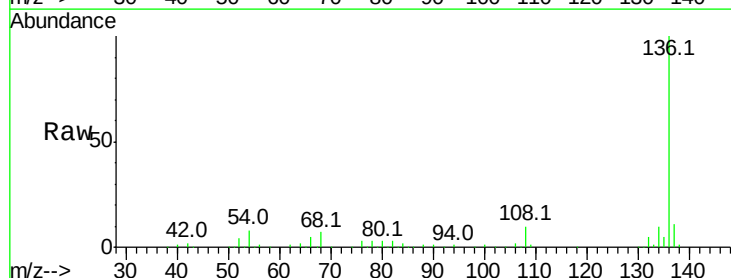
Ion Ratio Lower Upper

136 100

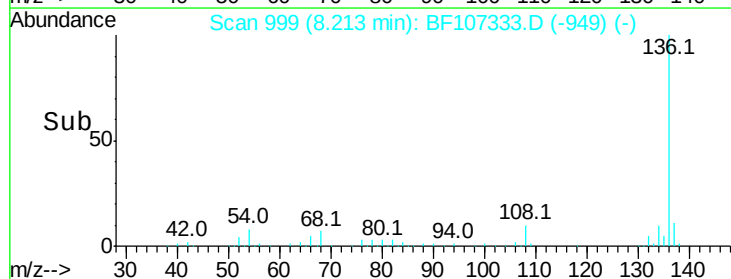
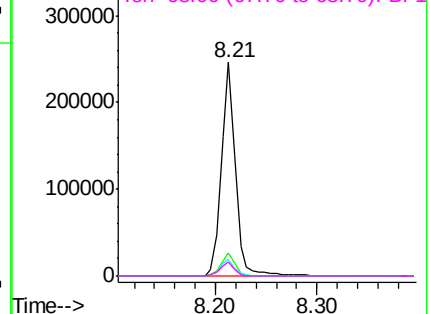
137 10.9 8.9 13.3

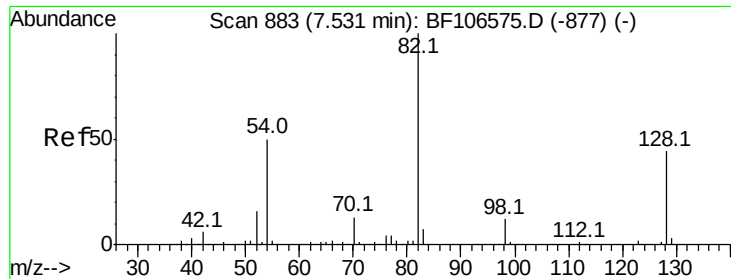
54 8.0 6.6 9.8

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

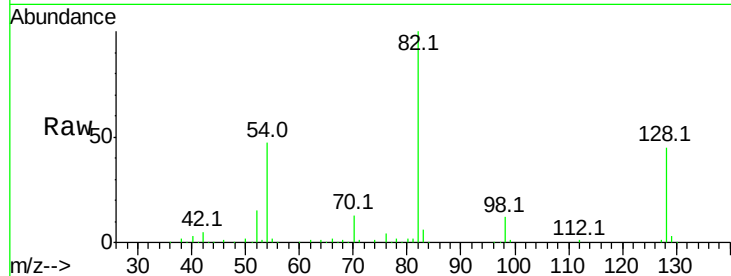




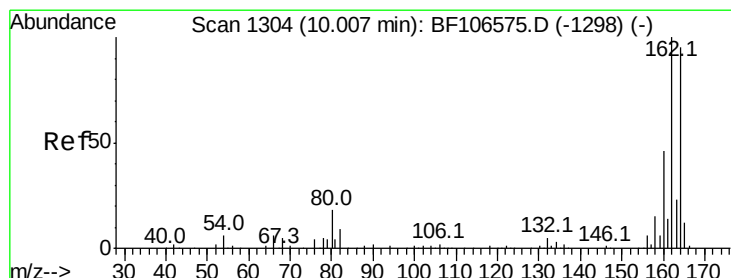
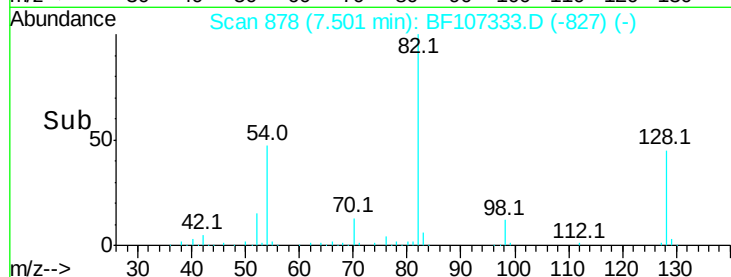
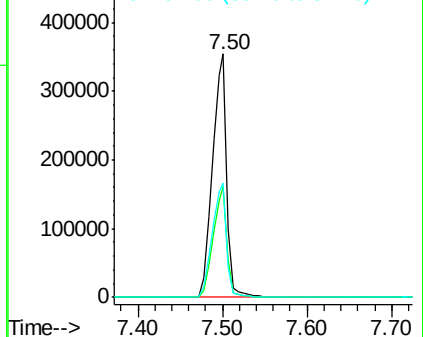
#23  
 Nitrobenzene-d5  
 Concen: 99.371 ng  
 RT: 7.50 min Scan# 878  
 Delta R.T. -0.00 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110986BL

Tot Ion: 82 Resp: 424381  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 36.1 54.1  
 54 46.8 41.4 62.2

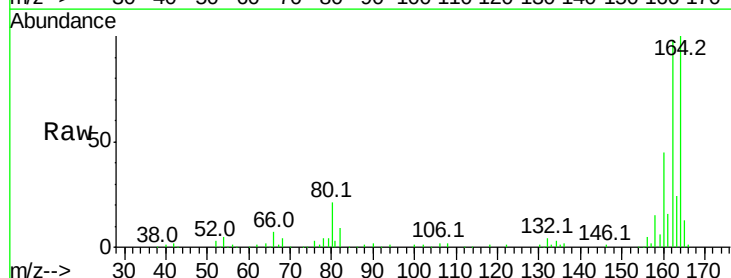


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

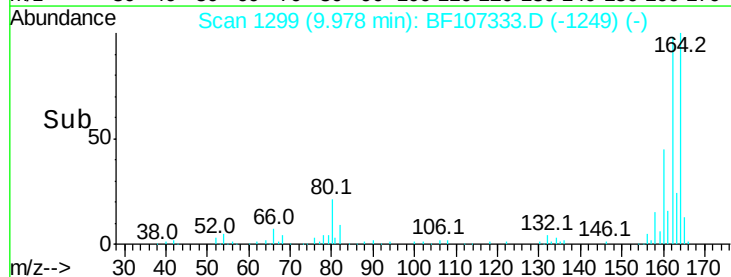
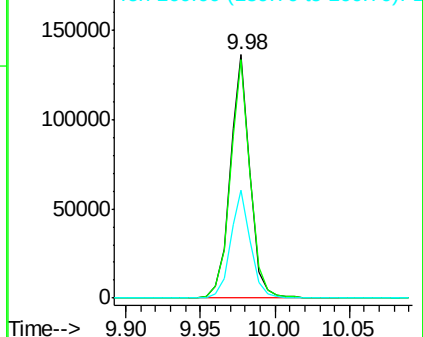


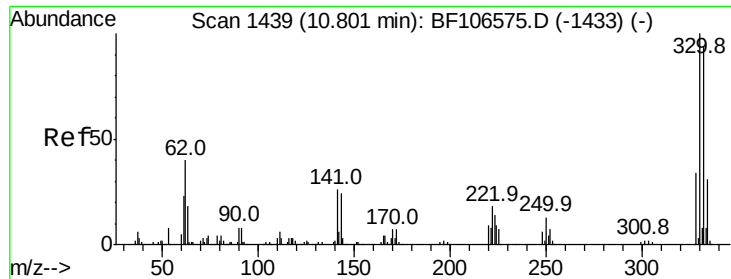
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

Tgt Ion: 164 Resp: 127543  
 Ion Ratio Lower Upper  
 164 100  
 162 98.0 86.1 129.1  
 160 44.5 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

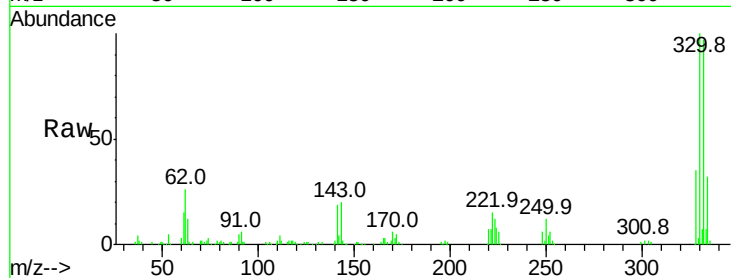




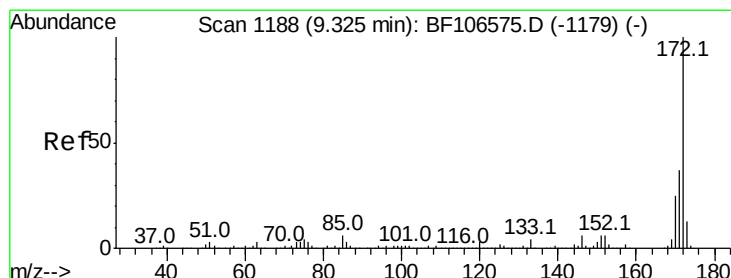
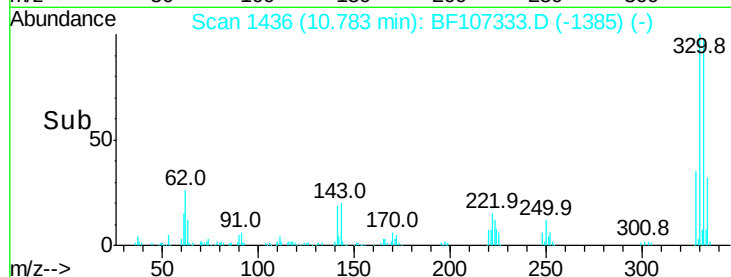
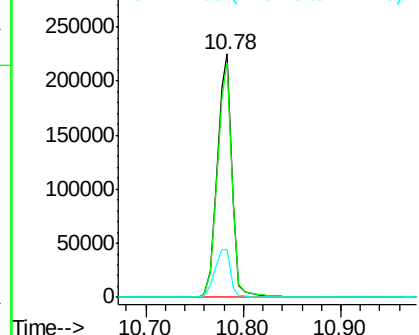
#41  
 2,4,6-Tribromophenol  
 Concen: 157.557 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.00 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110986BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 21.6  | 29.9  | 44.9  |

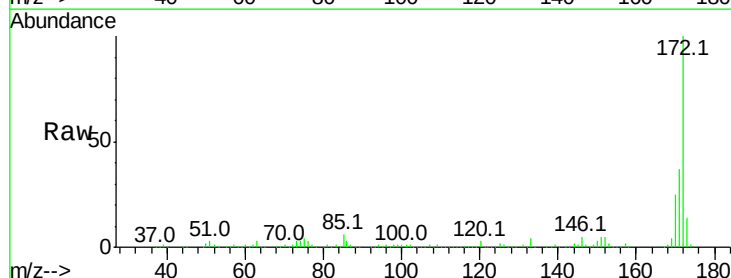


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

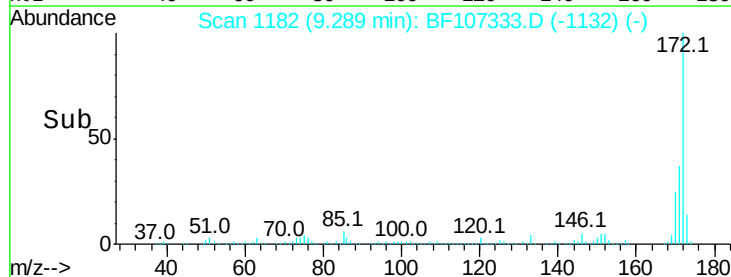
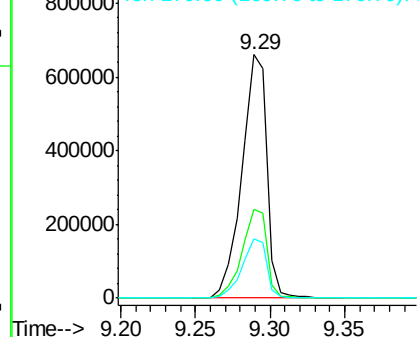


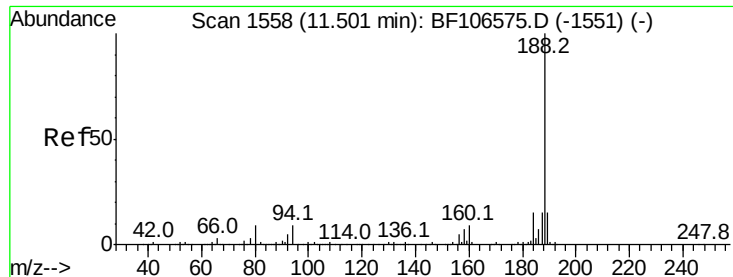
#44  
 2-Fluorobiphenyl  
 Concen: 106.105 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 24.6  | 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: 11.48 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BF107333.D

Acq: 12 Jul 2018 12:45

Instrument :

BNA\_F

ClientSampleId :

PB110986BL

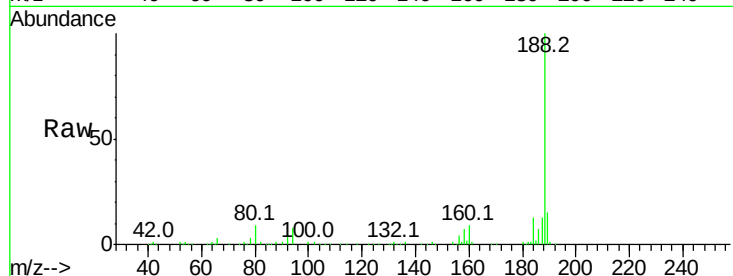
Tot Ion:188 Resp: 277173

Ion Ratio Lower Upper

188 100

94 8.1 8.5 12.7#

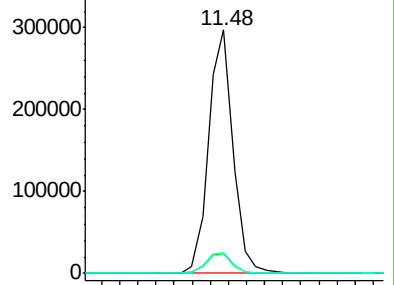
80 8.8 9.2 13.8#



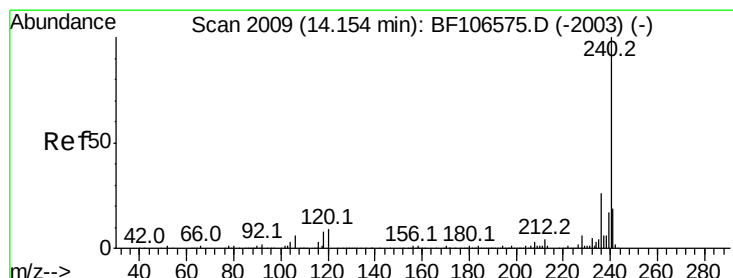
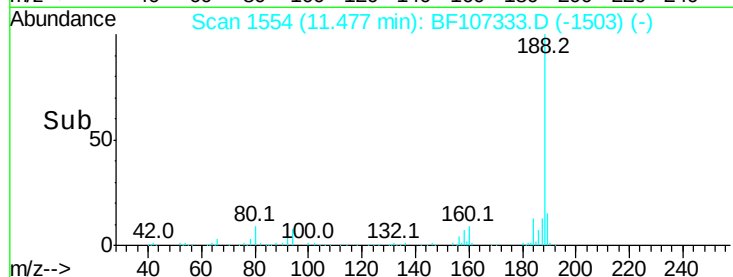
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107333.D

Acq: 12 Jul 2018 12:45

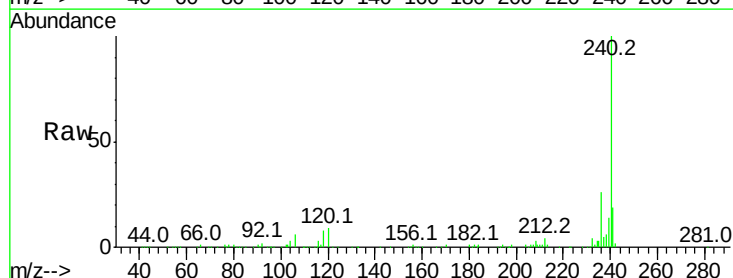
Tgt Ion:240 Resp: 230395

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

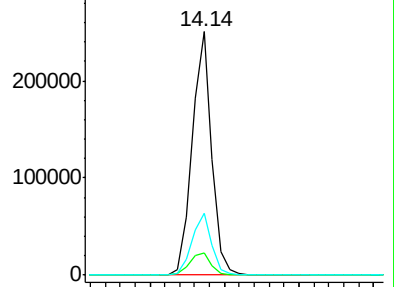
236 25.6 20.7 31.1



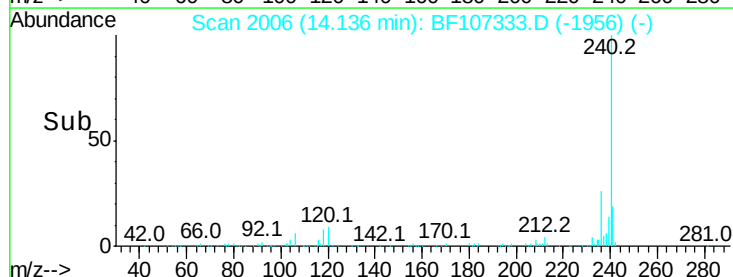
Abundance Ion 240.00 (239.70 to 240.70): E

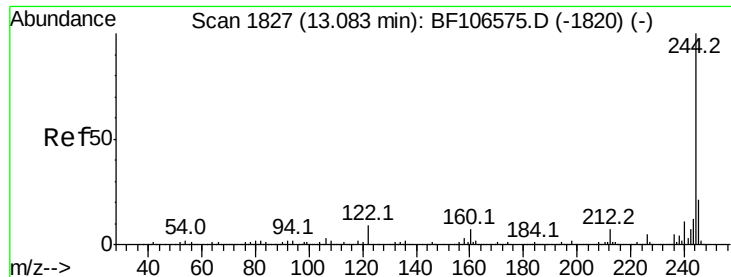
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

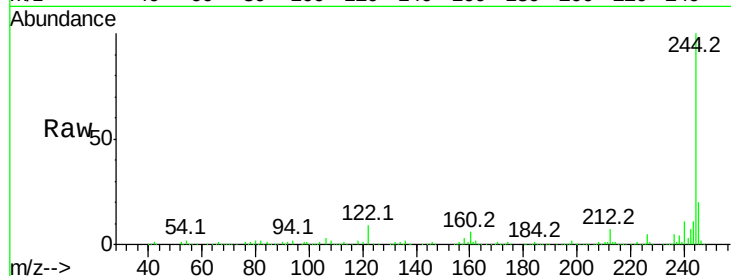




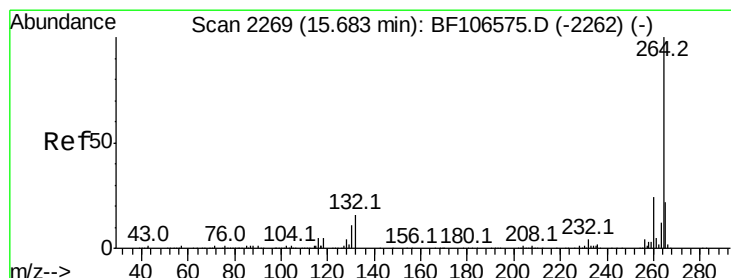
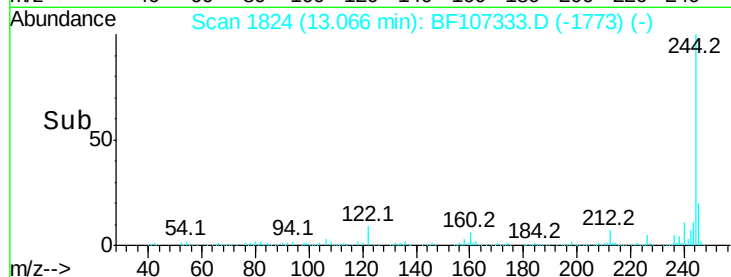
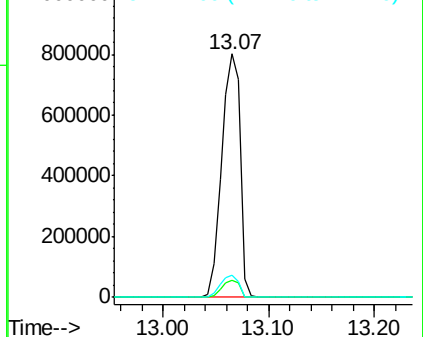
#78  
 Terphenyl-d14  
 Concen: 103.165 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.00 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110986BL

Tot Ion:244 Resp: 981242  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 8.9 11.0 16.4#

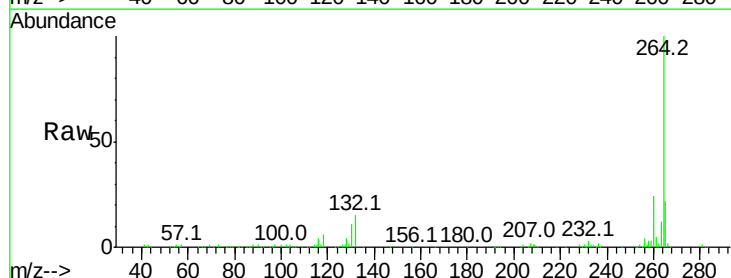


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.00 min  
 Lab File: BF107333.D  
 Acq: 12 Jul 2018 12:45

Tgt Ion:264 Resp: 199155  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 21.5 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

