

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\  
 Data File : BF101858.D  
 Acq On : 3 Jan 2018 14:29  
 Operator : SJ/JU  
 Sample : PB105431BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105431BL

Quant Time: Jan 04 00:36:55 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 13:21:45 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 127740   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.05  | 136  | 511983   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.80  | 164  | 229484   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 438276   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.95 | 240  | 295010   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.42 | 264  | 249144   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 1053312  | 122.83 | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 1245534  | 116.70 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 782442   | 85.07  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 279474   | 126.39 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1305741  | 88.26  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1155016  | 94.39  | ng    | -0.02    |

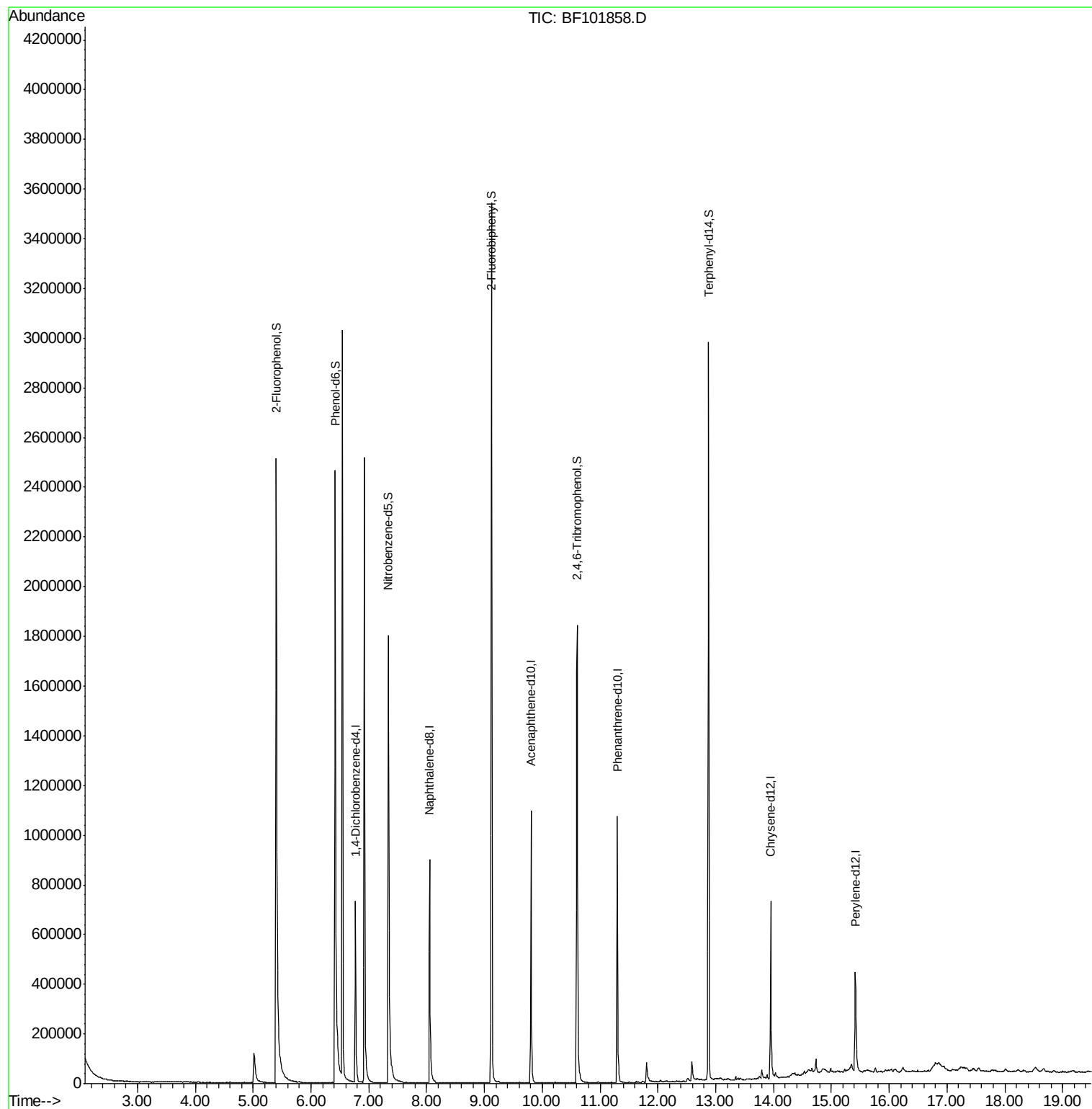
Target Compounds Qvalue

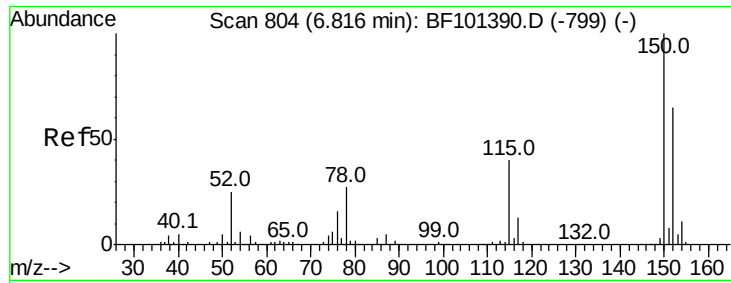
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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QLast Update : Fri Dec 29 13:21:45 2017  
Response via : Initial Calibration



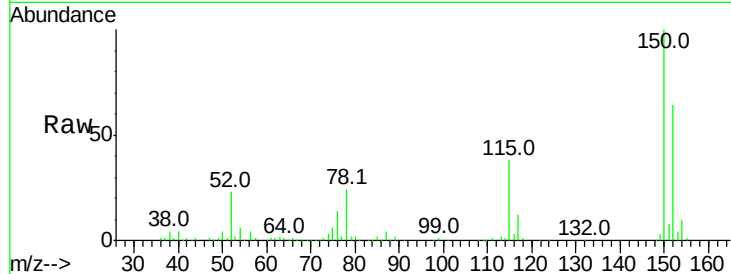


#1

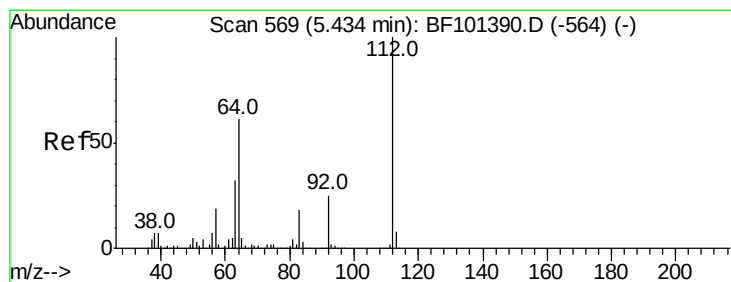
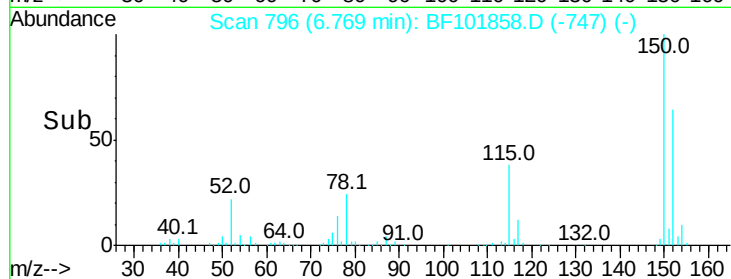
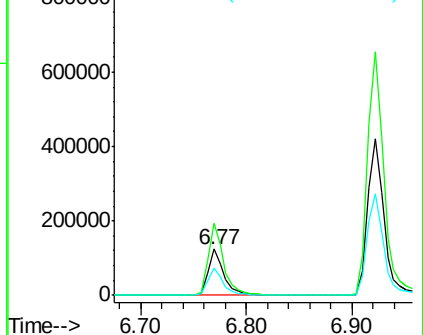
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BF101858.D  
Acq: 3 Jan 2018 14:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB105431BL

Tot Ion:152 Resp: 127740  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 59.4 50.1 75.1



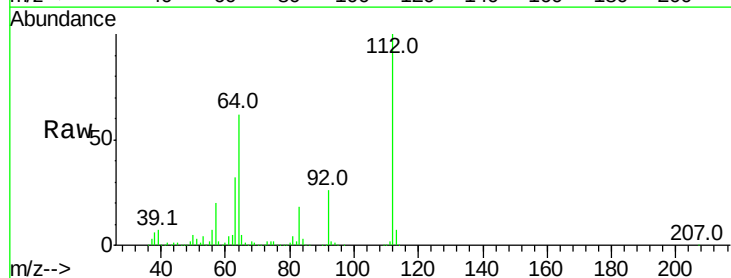
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



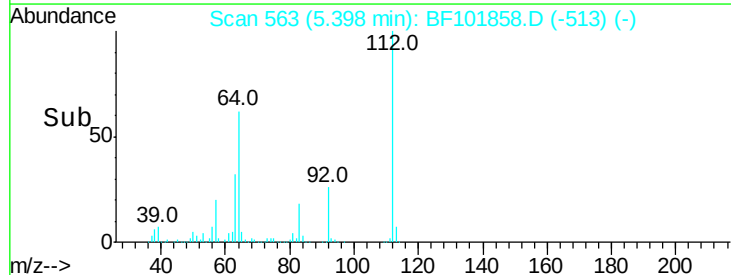
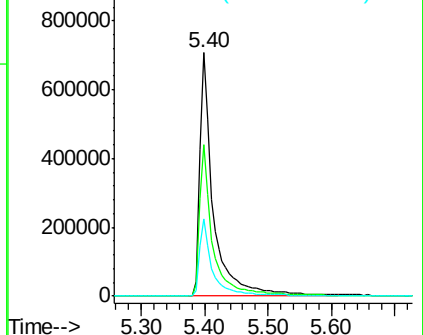
#5

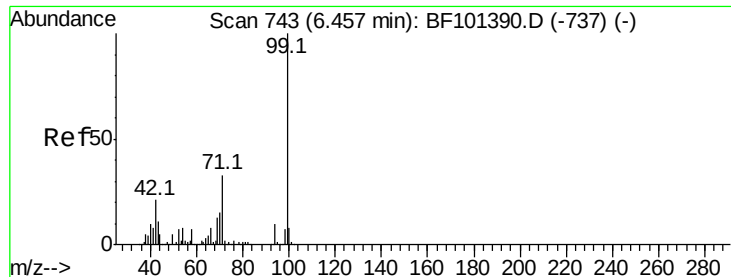
2-Fluorophenol  
Concen: 122.827 ng  
RT: 5.40 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: BF101858.D  
Acq: 3 Jan 2018 14:29

Tgt Ion:112 Resp: 1053312  
Ion Ratio Lower Upper  
112 100  
64 62.1 47.9 71.9  
63 31.8 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: 116.703 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF101858.D

Acq: 3 Jan 2018 14:29

Instrument :

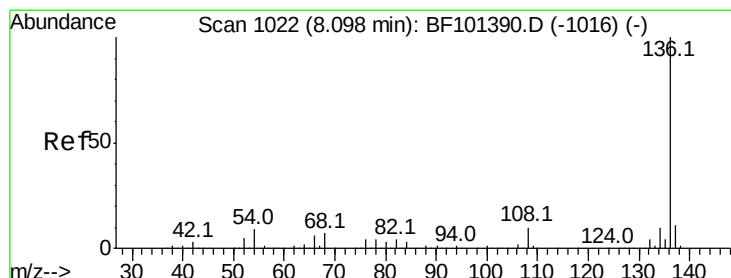
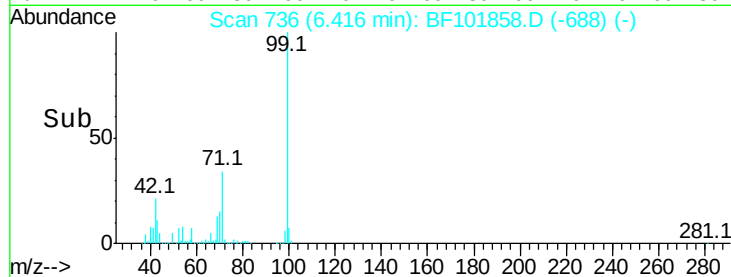
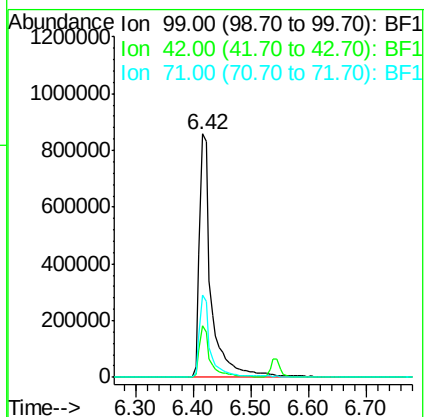
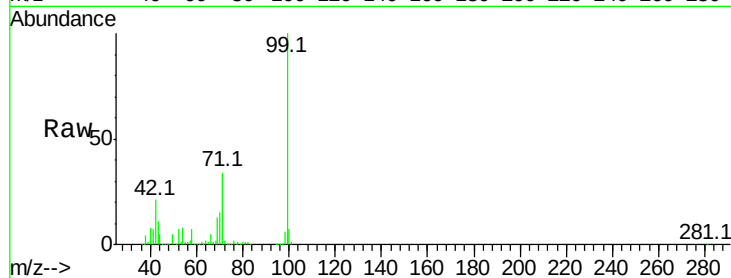
BNA\_F

ClientSampleId :

PB105431BL

Tot Ion: 99 Resp: 1245534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.2  | 14.5  | 21.7  |
| 71  | 33.7  | 25.4  | 38.0  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

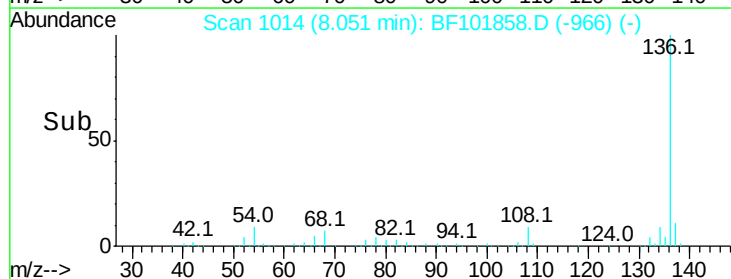
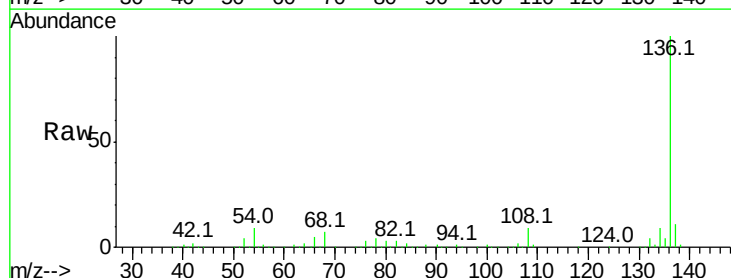
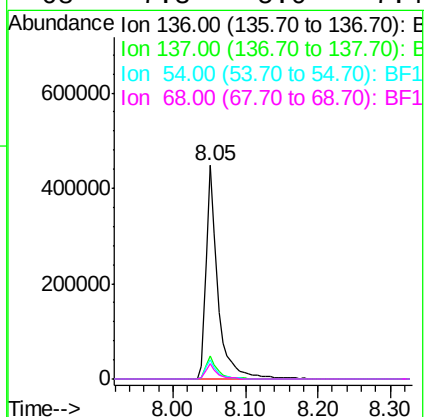
Delta R.T. -0.02 min

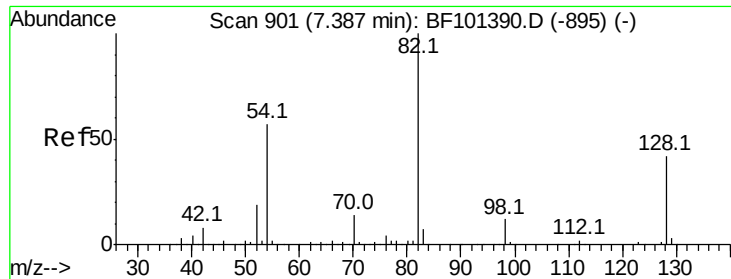
Lab File: BF101858.D

Acq: 3 Jan 2018 14:29

Tgt Ion: 136 Resp: 511983

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.9   | 13.3  |
| 54  | 8.8   | 6.6   | 9.8   |
| 68  | 7.3   | 5.0   | 7.4   |

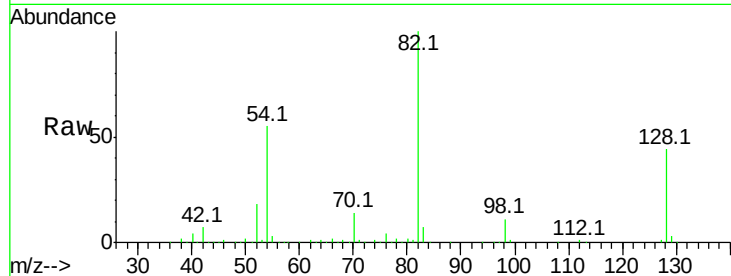




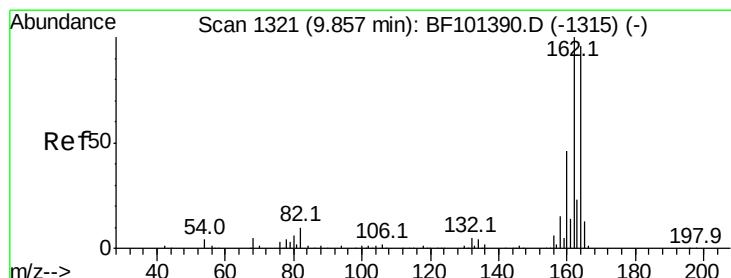
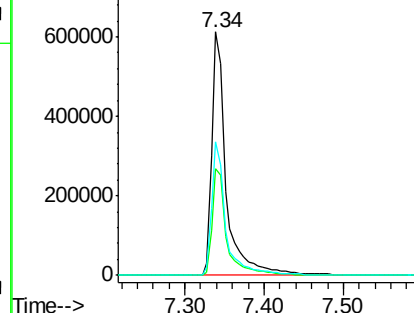
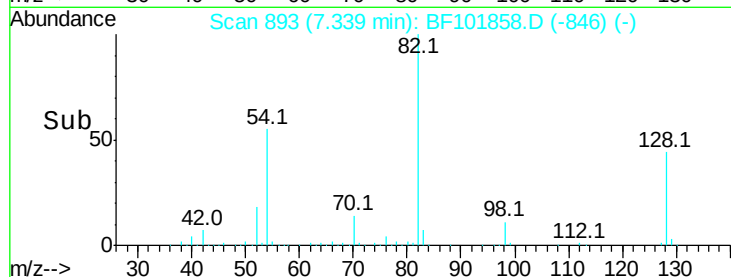
#23  
 Nitrobenzene-d5  
 Concen: 85.072 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.02 min  
 Lab File: BF101858.D  
 Acq: 3 Jan 2018 14:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105431BL

Tot Ion: 82 Resp: 782442  
 Ion Ratio Lower Upper  
 82 100  
 128 43.7 36.1 54.1  
 54 55.0 41.4 62.2

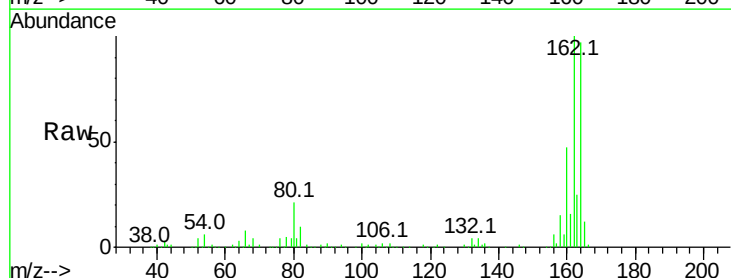


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

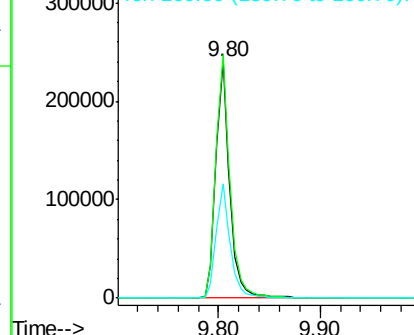
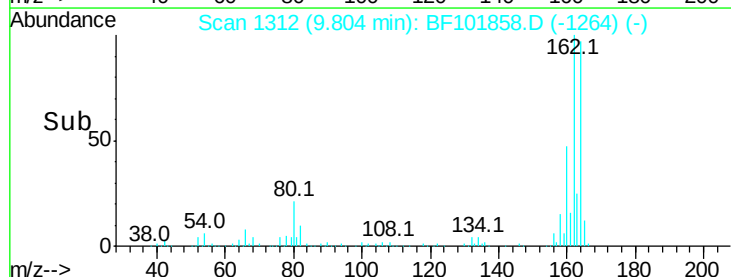


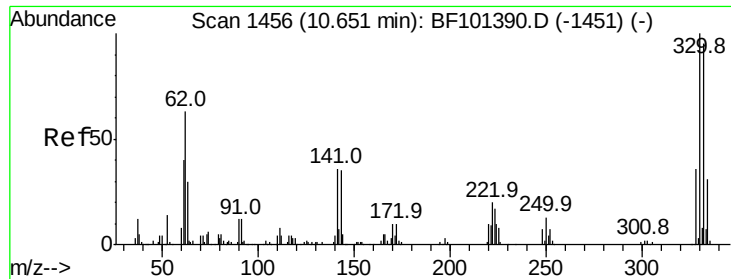
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.02 min  
 Lab File: BF101858.D  
 Acq: 3 Jan 2018 14:29

Tgt Ion:164 Resp: 229484  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 86.1 129.1  
 160 48.4 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

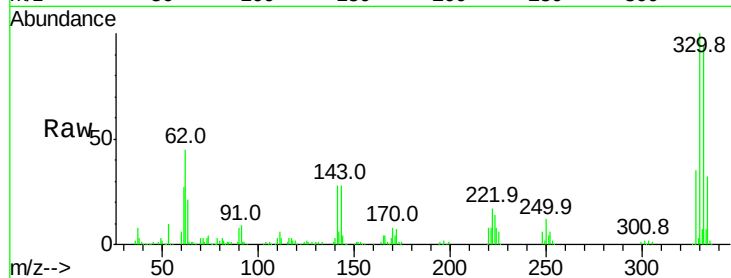




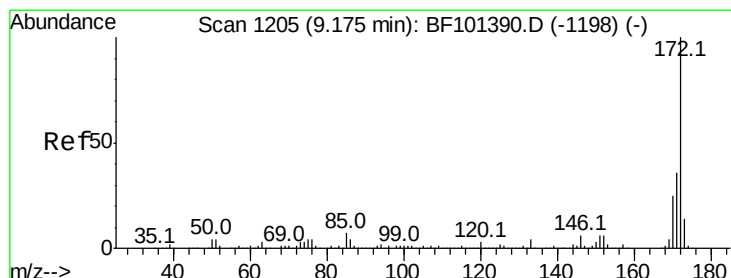
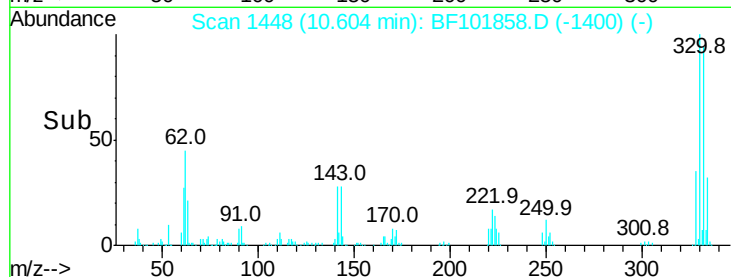
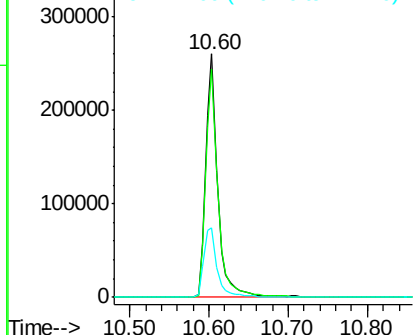
#41  
 2,4,6-Tribromophenol  
 Concen: 126.387 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.02 min  
 Lab File: BF101858.D  
 Acq: 3 Jan 2018 14:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB105431BL

Tot Ion:330 Resp: 279474  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 31.9 29.9 44.9

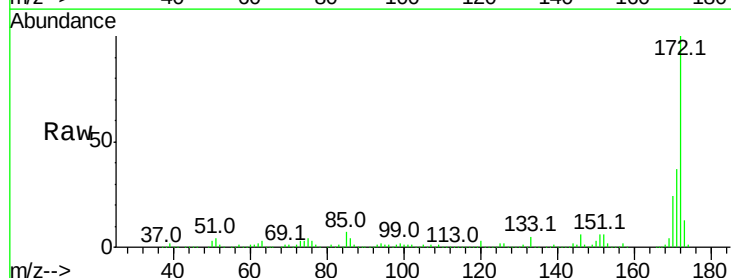


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

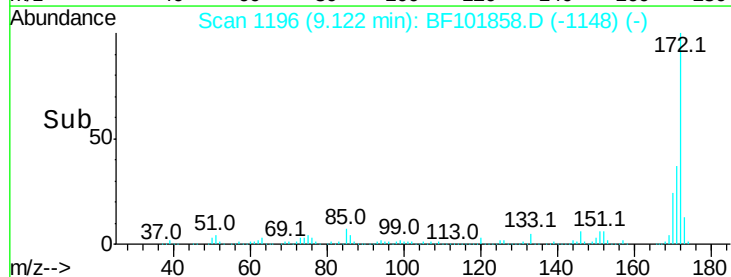
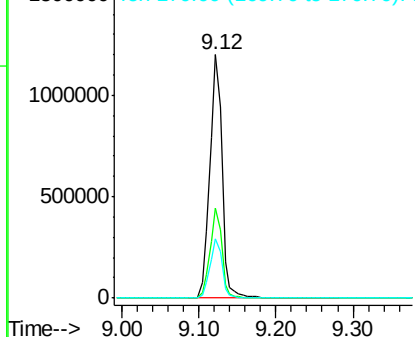


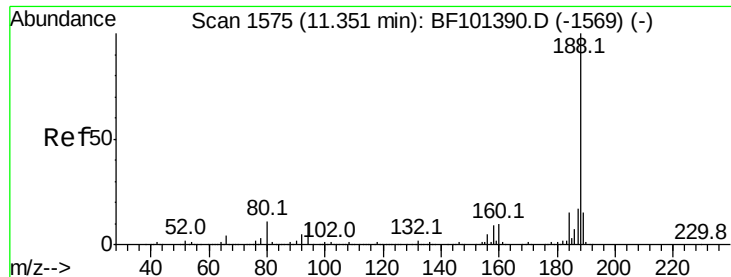
#44  
 2-Fluorobiphenyl  
 Concen: 88.264 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.02 min  
 Lab File: BF101858.D  
 Acq: 3 Jan 2018 14:29

Tgt Ion:172 Resp: 1305741  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 24.5 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

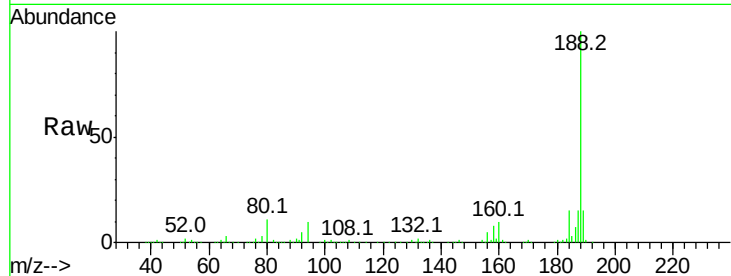




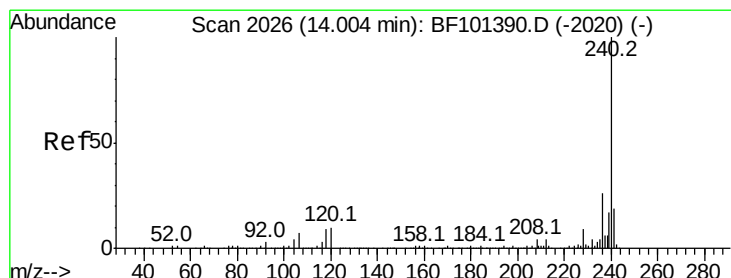
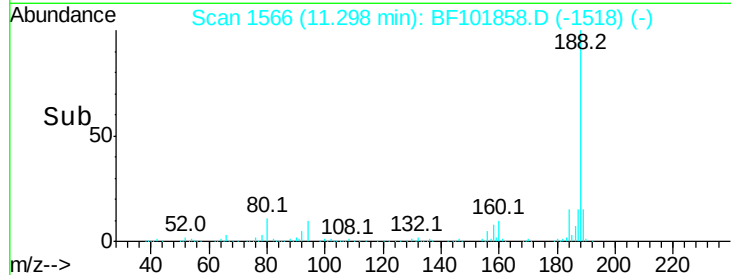
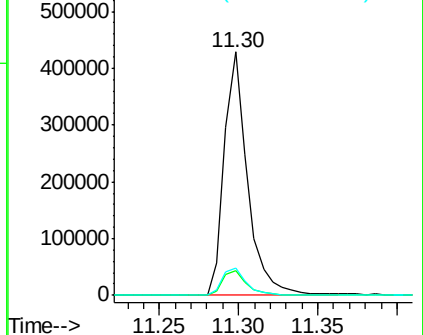
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1566  
Delta R.T. -0.02 min  
Lab File: BF101858.D  
Acq: 3 Jan 2018 14:29

Instrument :  
BNA\_F  
ClientSampleId :  
PB105431BL

Tot Ion:188 Resp: 438276  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 11.1 9.2 13.8

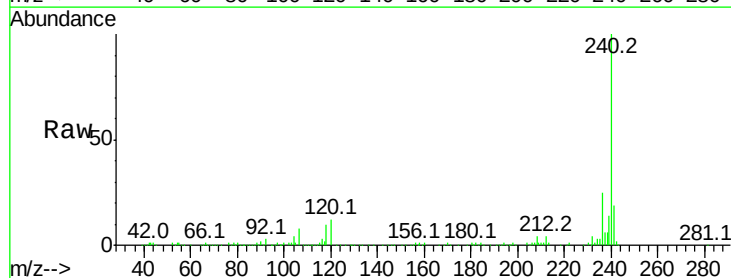


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

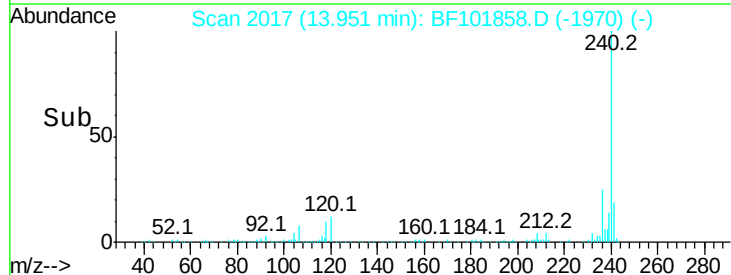
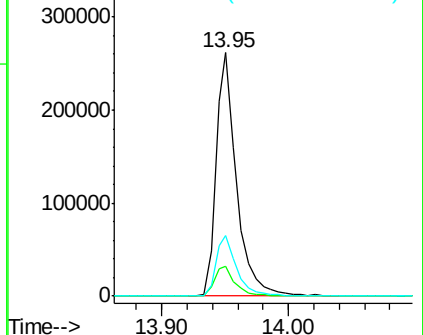


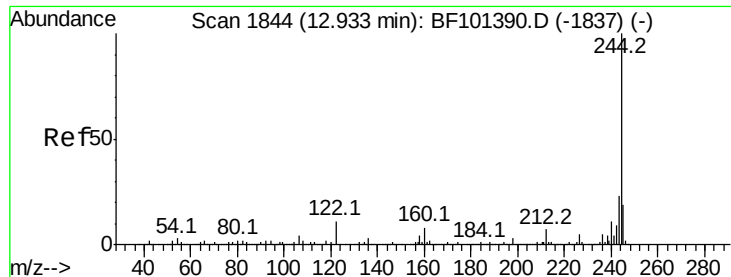
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.02 min  
Lab File: BF101858.D  
Acq: 3 Jan 2018 14:29

Tgt Ion:240 Resp: 295010  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.5 14.3  
236 24.9 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: 94.386 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF101858.D

Acq: 3 Jan 2018 14:29

Instrument :

BNA\_F

ClientSampleId :

PB105431BL

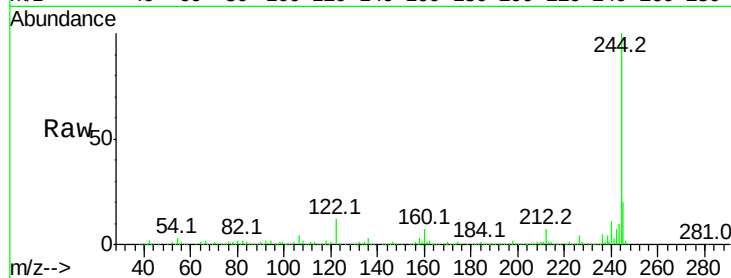
Tot Ion:244 Resp: 1155016

Ion Ratio Lower Upper

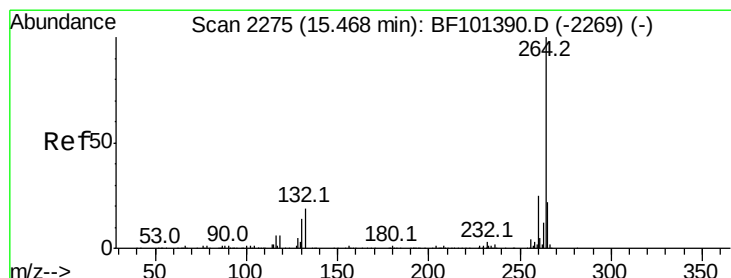
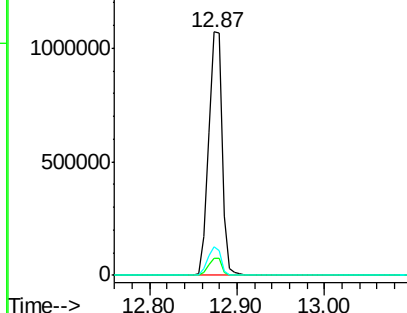
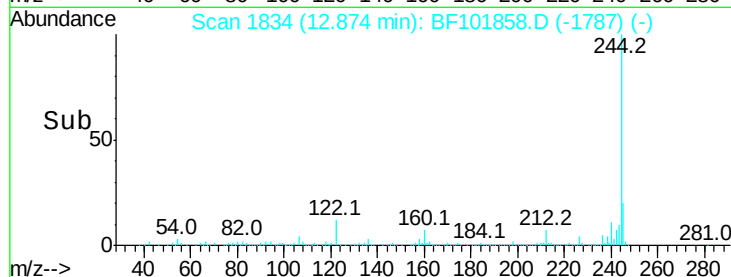
244 100

212 7.1 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: 15.42 min Scan# 2266

Delta R.T. -0.02 min

Lab File: BF101858.D

Acq: 3 Jan 2018 14:29

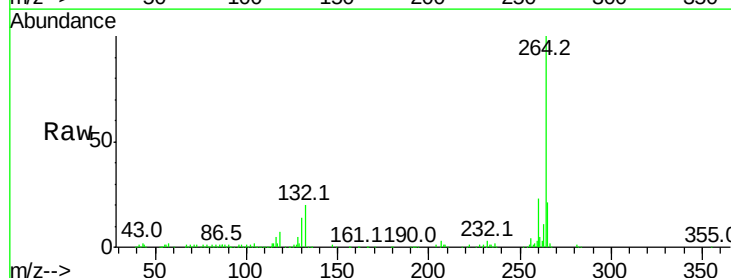
Tgt Ion:264 Resp: 249144

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 20.9 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

