

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\  
 Data File : BF111801.D  
 Acq On : 28 Dec 2018 20:56  
 Operator : JU/SJ  
 Sample : PB116072BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116072BL

Quant Time: Dec 29 02:53:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 138927   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.19  | 136  | 493504   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.94  | 164  | 217362   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.43 | 188  | 322154   | 20.00  | ng    | 0.01     |
| 76) Chrysene-d12            | 14.07 | 240  | 303342   | 20.00  | ng    | 0.02     |
| 87) Perylene-d12            | 15.56 | 264  | 222288   | 20.00  | ng    | 0.04     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 894341   | 109.73 | ng    | 0.03     |
| 7) Phenol-d6                | 6.55  | 99   | 1149089  | 110.78 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 716537   | 84.51  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.73 | 330  | 256095   | 99.71  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 9.26  | 172  | 1353851  | 90.79  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.01 | 244  | 1097424  | 68.61  | ng    | 0.01     |

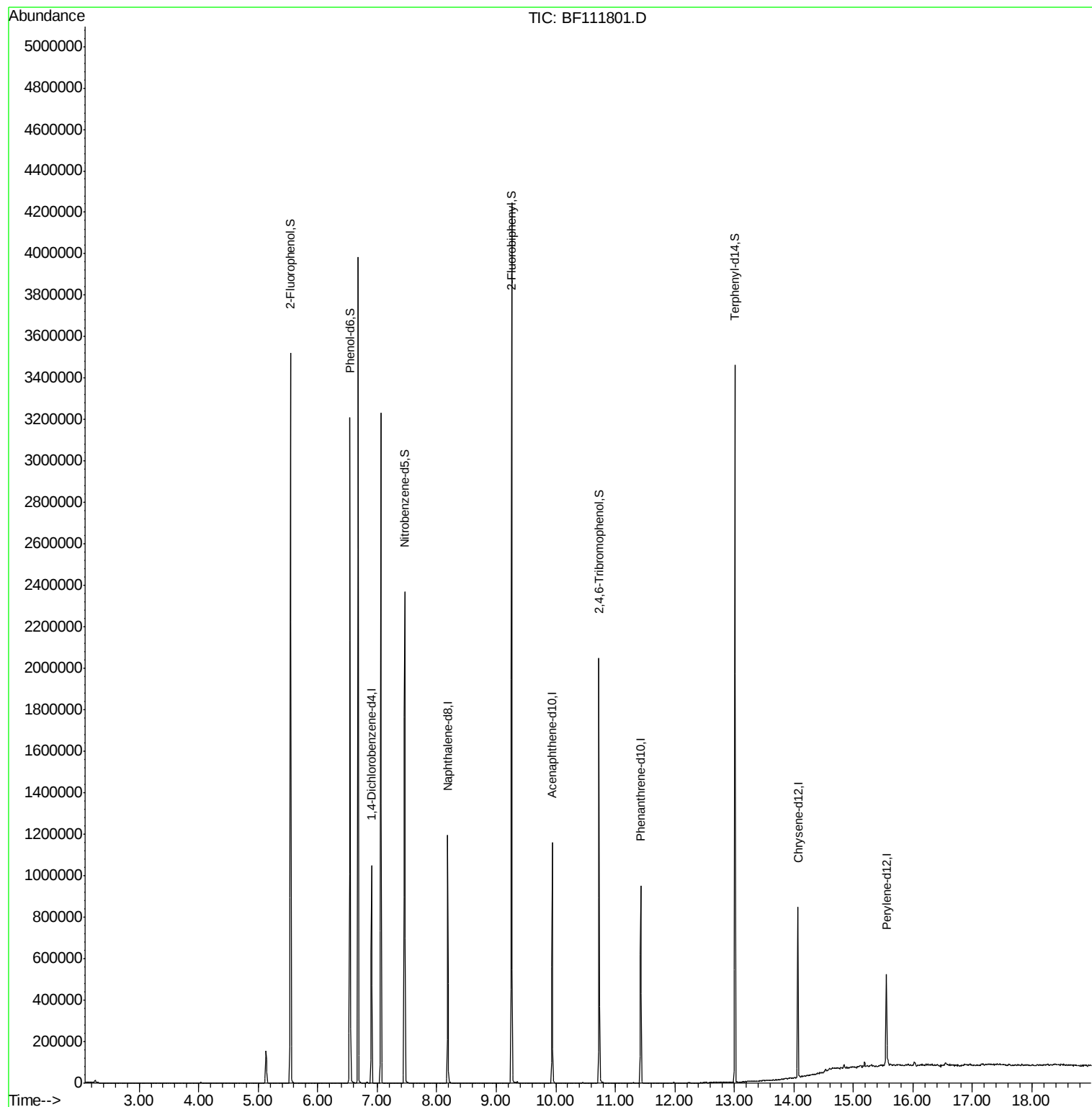
Target Compounds Qvalue

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

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Sample : PB116072BL  
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Instrument :  
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PB116072BL

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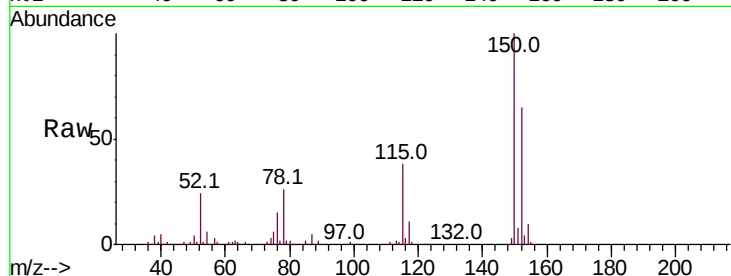


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: BF111801.D  
Acq: 28 Dec 2018 20:56

Instrument :  
BNA\_F  
ClientSampleId :  
PB116072BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.2 | 126.6 | 189.8 |
| 115     | 58.7  | 50.7  | 76.1  |

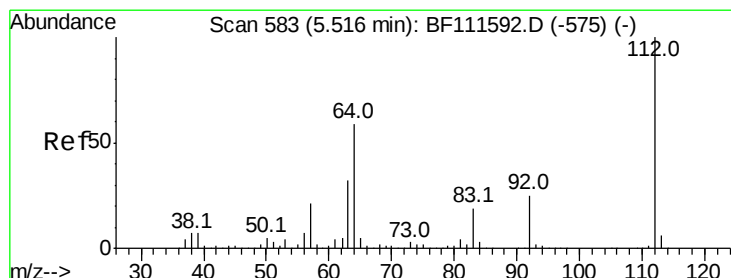
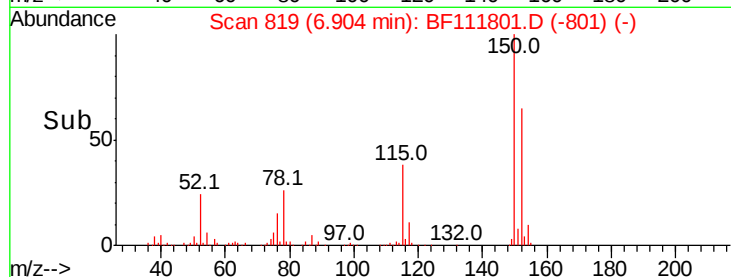
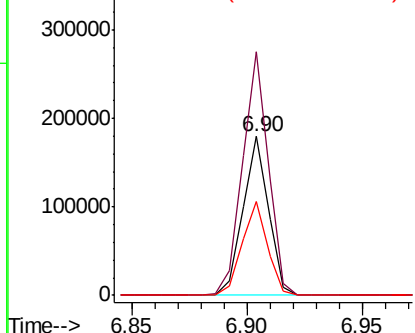


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

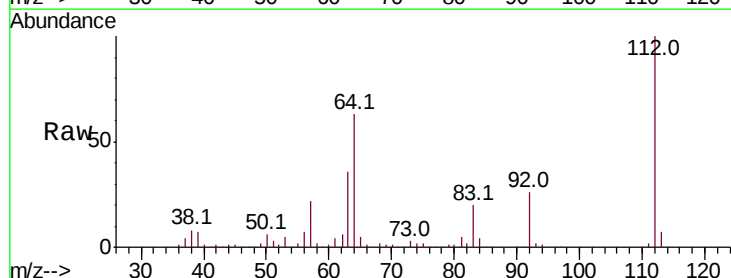
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 109.729 ng  
RT: 5.55 min Scan# 588  
Delta R.T. 0.03 min  
Lab File: BF111801.D  
Acq: 28 Dec 2018 20:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.5  | 51.8  | 77.6  |
| 63      | 35.7  | 26.8  | 40.2  |

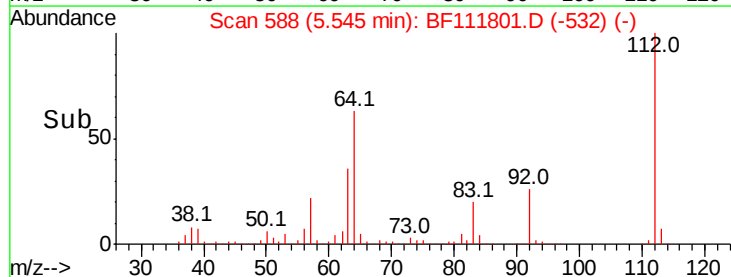
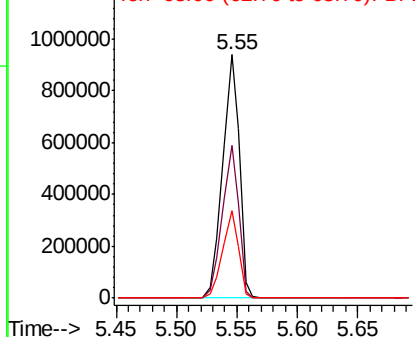


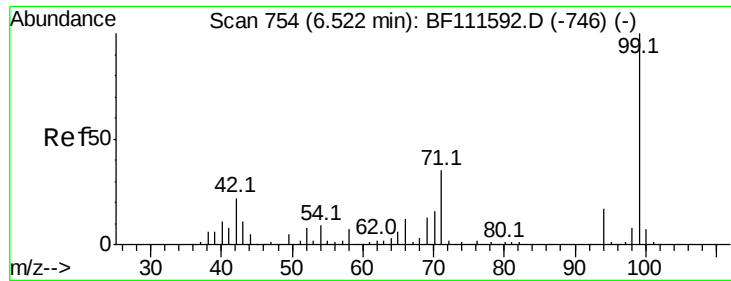
Abundance

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: 110.781 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA\_F

ClientSampleId :

PB116072BL

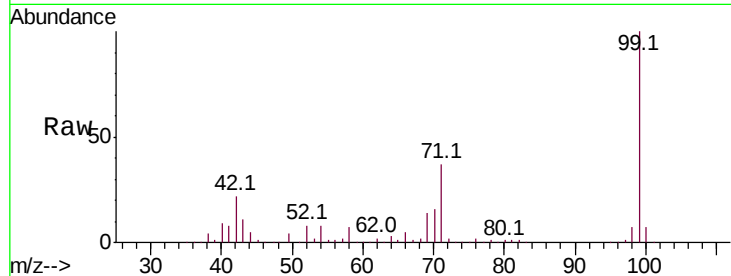
Tot Ion: 99 Resp: 1149089

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

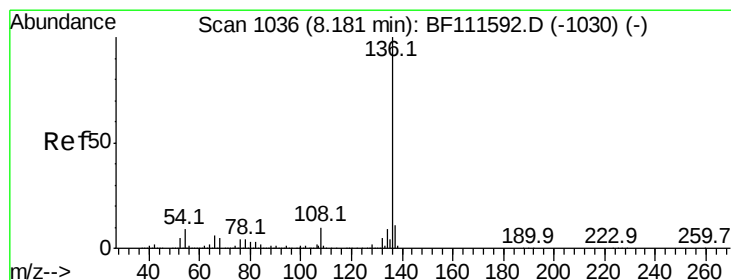
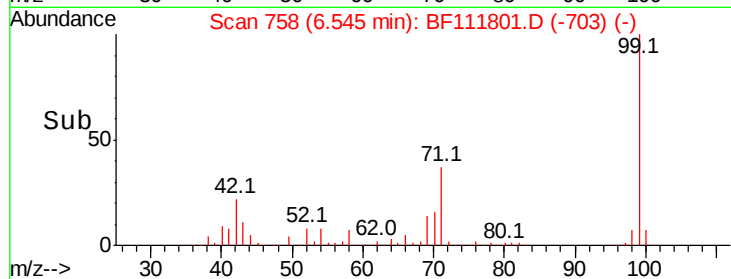
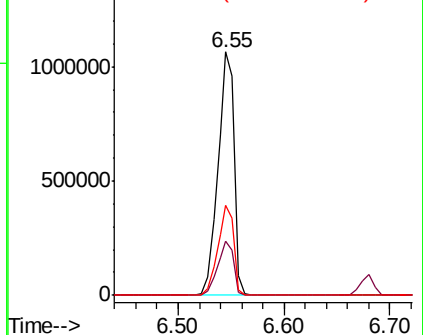
71 37.0 26.1 39.1



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: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Tgt Ion: 136 Resp: 493504

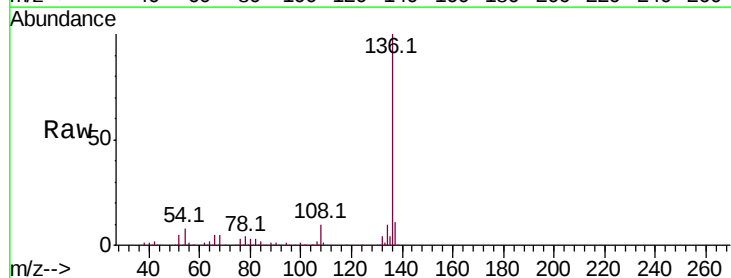
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 8.0 7.7 11.5

68 5.0 4.9 7.3

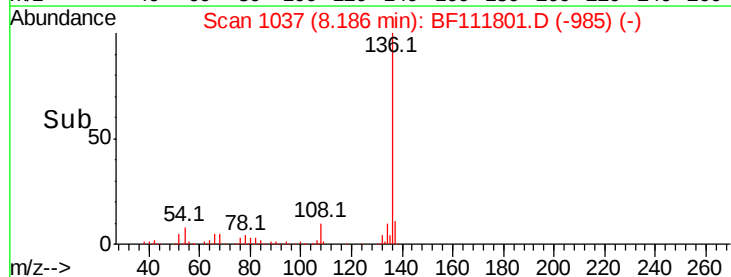
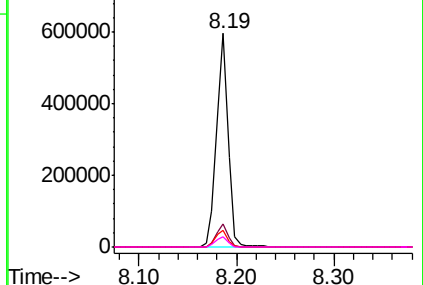


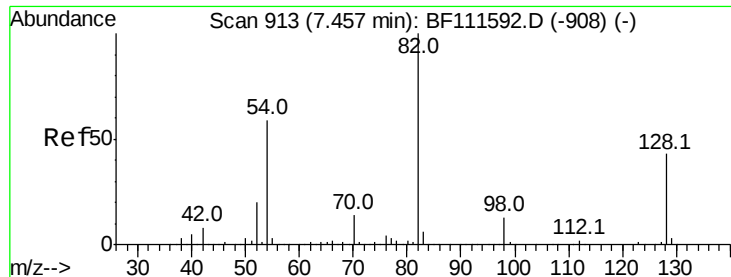
Abundance Ion 136.00 (135.70 to 136.70): E

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

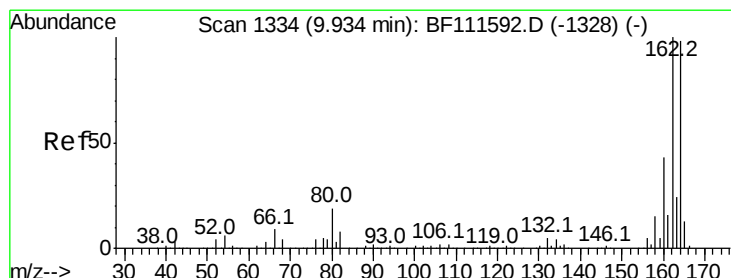
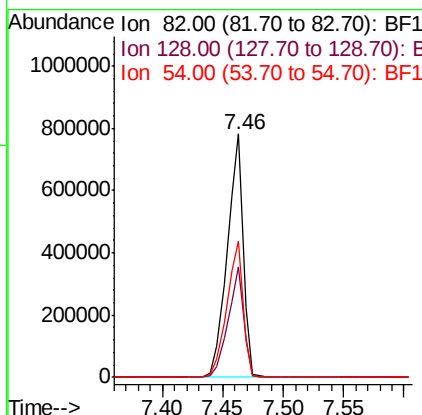
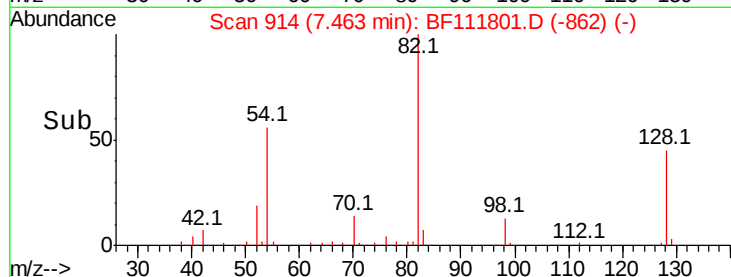
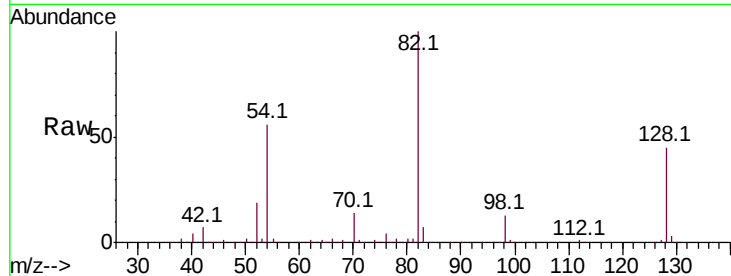




#23  
 Nitrobenzene-d5  
 Concen: 84.514 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. 0.01 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

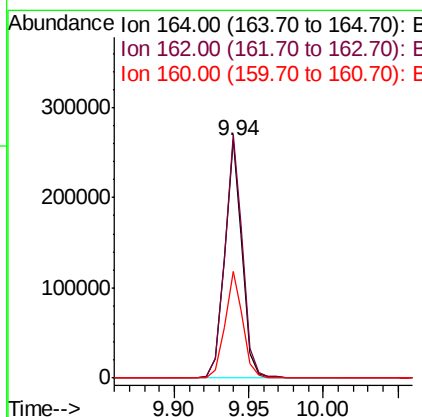
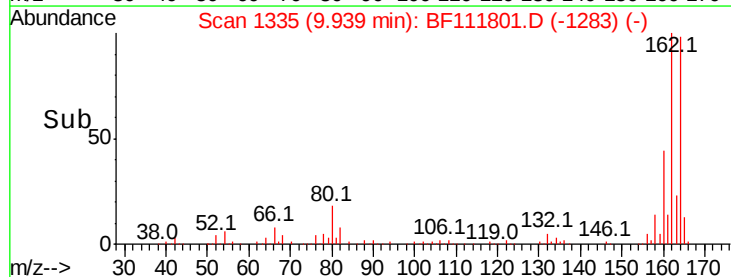
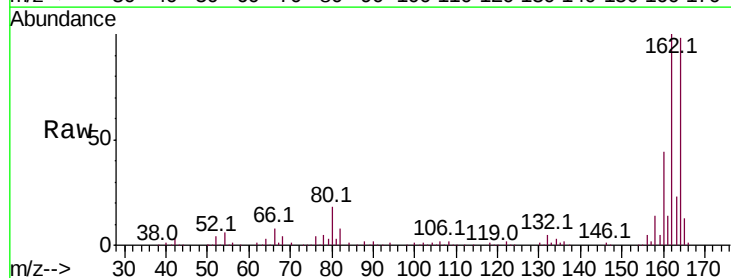
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116072BL

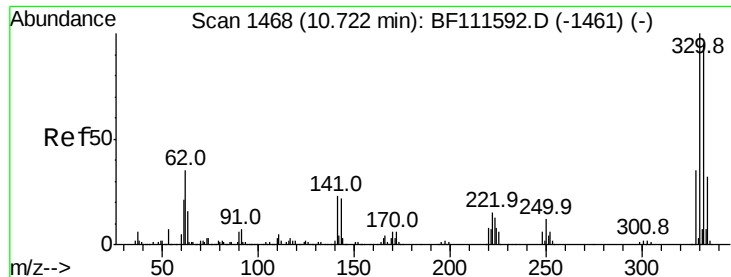
Tot Ion: 82 Resp: 716537  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 37.4 56.2  
 54 55.8 47.6 71.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.94 min Scan# 1335  
 Delta R.T. 0.01 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

Tgt Ion: 164 Resp: 217362  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 81.4 122.0  
 160 44.5 35.7 53.5

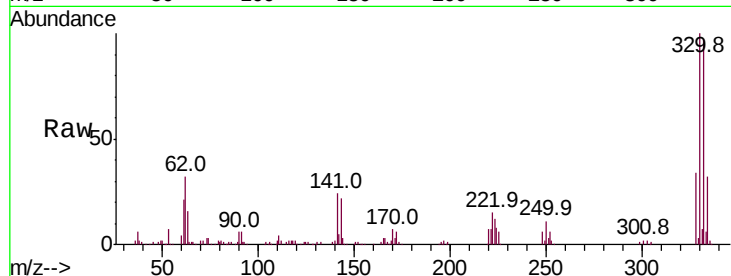




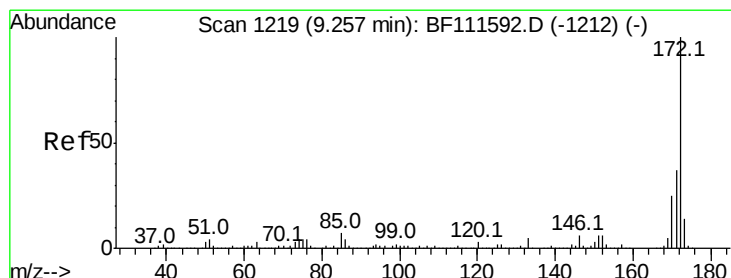
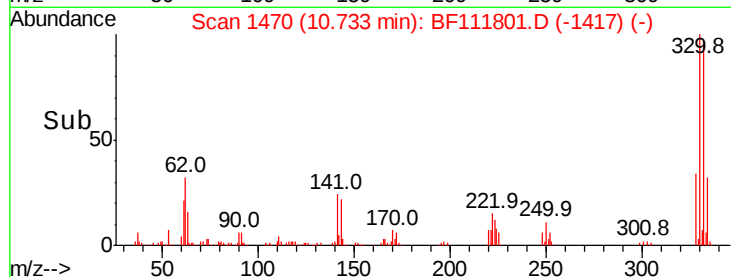
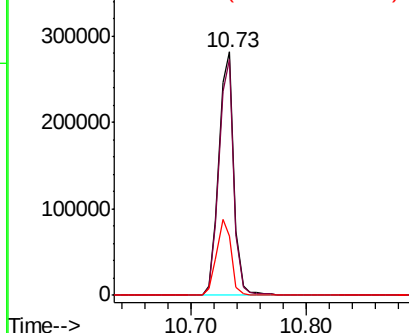
#42  
 2,4,6-Tribromophenol  
 Concen: 99.714 ng  
 RT: 10.73 min Scan# 1470  
 Delta R.T. 0.01 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116072BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 76.0  | 114.0 |
| 141     | 30.4  | 31.0  | 46.6# |

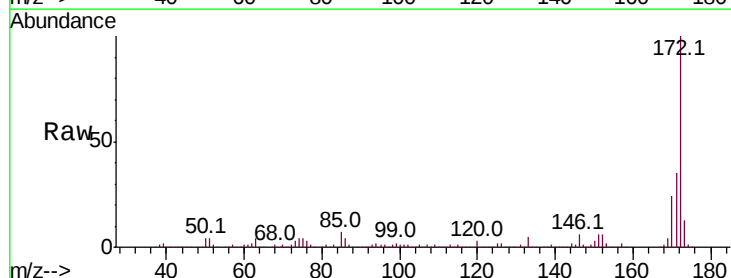


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

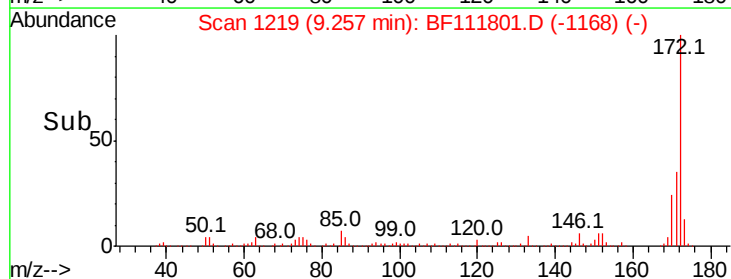
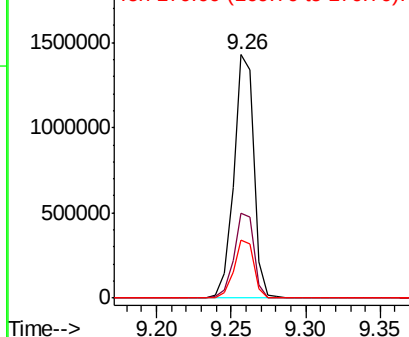


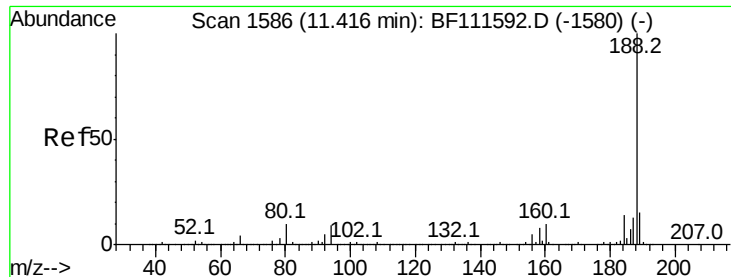
#45  
 2-Fluorobiphenyl  
 Concen: 90.786 ng  
 RT: 9.26 min Scan# 1219  
 Delta R.T. -0.00 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 33.0  | 49.4  |
| 170     | 23.6  | 22.3  | 33.5  |



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

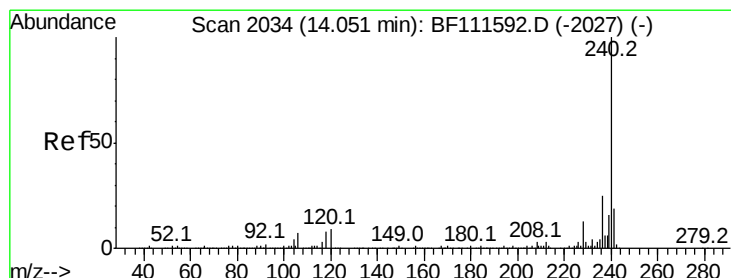
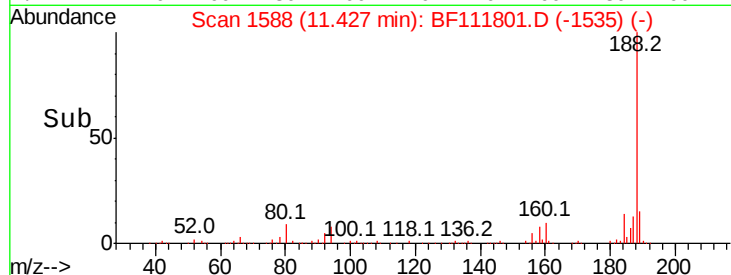
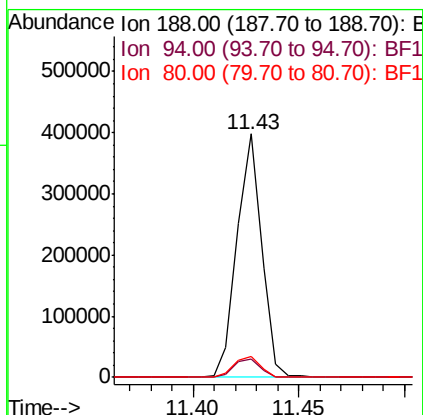
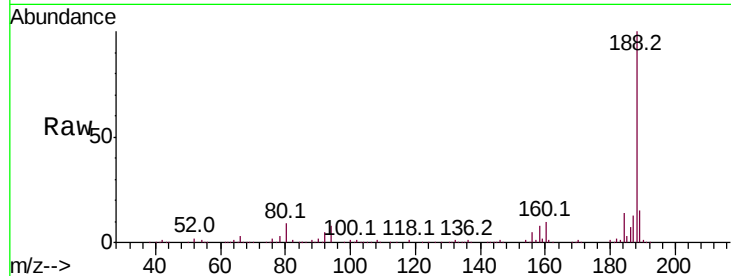




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.43 min Scan# 1588  
 Delta R.T. 0.01 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

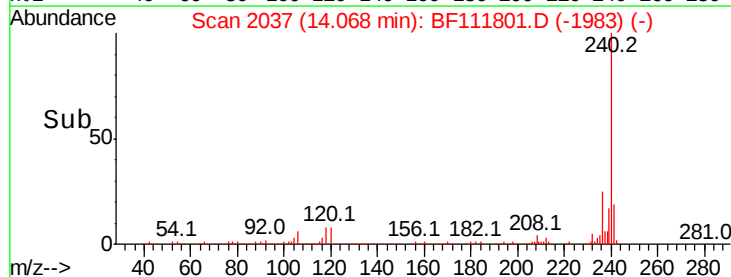
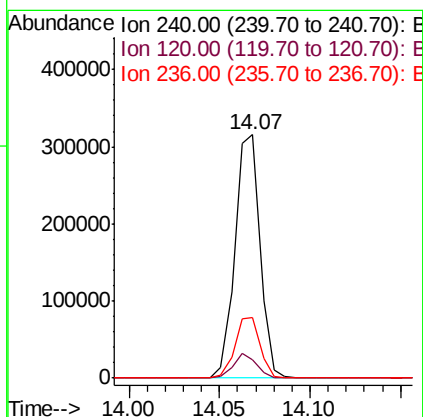
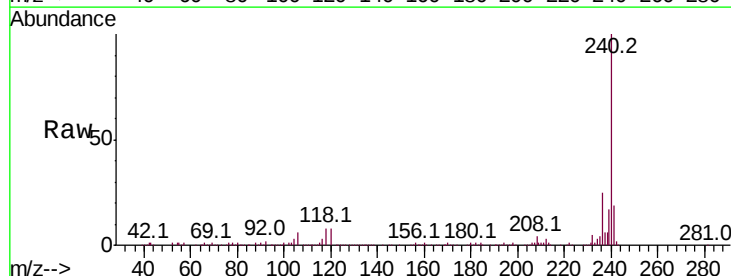
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB116072BL

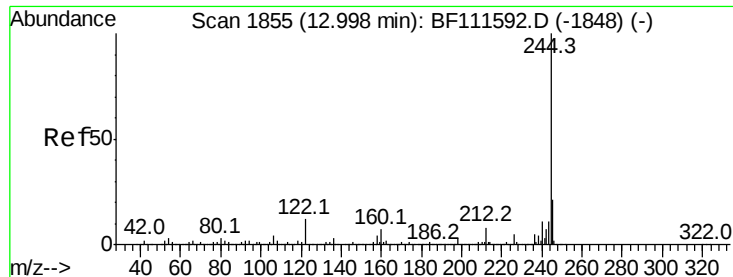
Tot Ion:188 Resp: 322154  
 Ion Ratio Lower Upper  
 188 100  
 94 7.5 9.6 14.4#  
 80 8.8 9.8 14.6#



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 2037  
 Delta R.T. 0.02 min  
 Lab File: BF111801.D  
 Acq: 28 Dec 2018 20:56

Tgt Ion:240 Resp: 303342  
 Ion Ratio Lower Upper  
 240 100  
 120 7.7 12.2 18.2#  
 236 24.9 20.2 30.2





#79

Terphenyl-d14

Concen: 68.608 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

Instrument :

BNA\_F

ClientSampleId :

PB116072BL

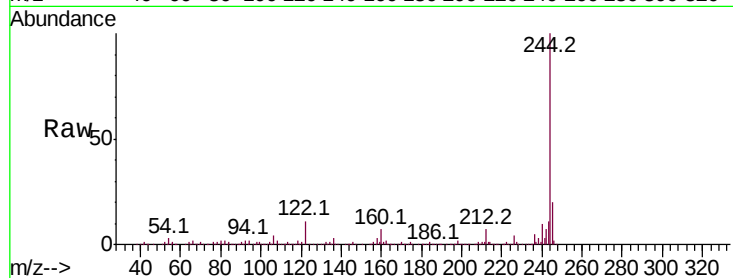
Tot Ion:244 Resp: 1097424

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

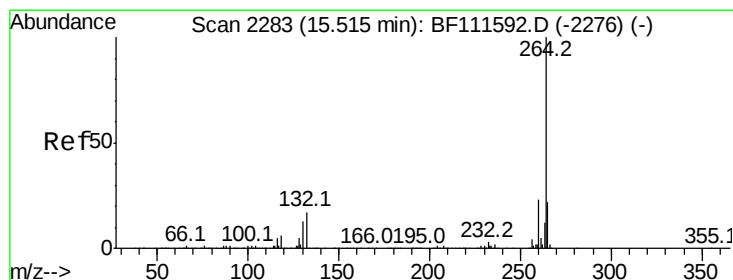
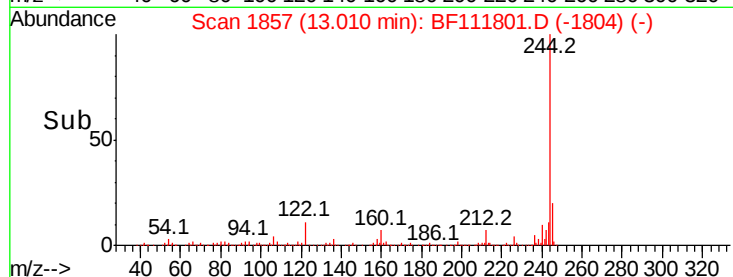
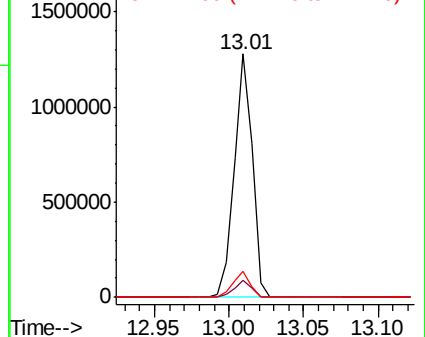
122 10.5 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111801.D

Acq: 28 Dec 2018 20:56

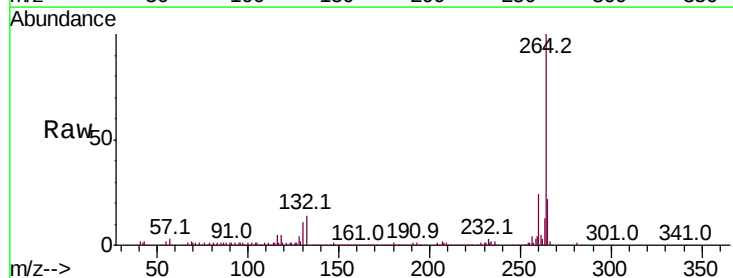
Tgt Ion:264 Resp: 222288

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 22.0 17.7 26.5



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

