

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031618\  
 Data File : BF103692.D  
 Acq On : 16 Mar 2018 13:18  
 Operator : JU/SJ  
 Sample : J1867-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS043071

Quant Time: Mar 16 14:31:47 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 16 13:24:19 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 159569   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 660328   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 314190   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 580837   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.14 | 240  | 482693   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.67 | 264  | 361245   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 608072   | 57.96  | ng    | 0.00     |
| 7) Phenol-d6                | 6.57  | 99   | 450475   | 35.10  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1095862  | 115.73 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 374327   | 138.57 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1792002  | 90.98  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.09 | 244  | 1824086  | 87.72  | ng    | 0.00     |

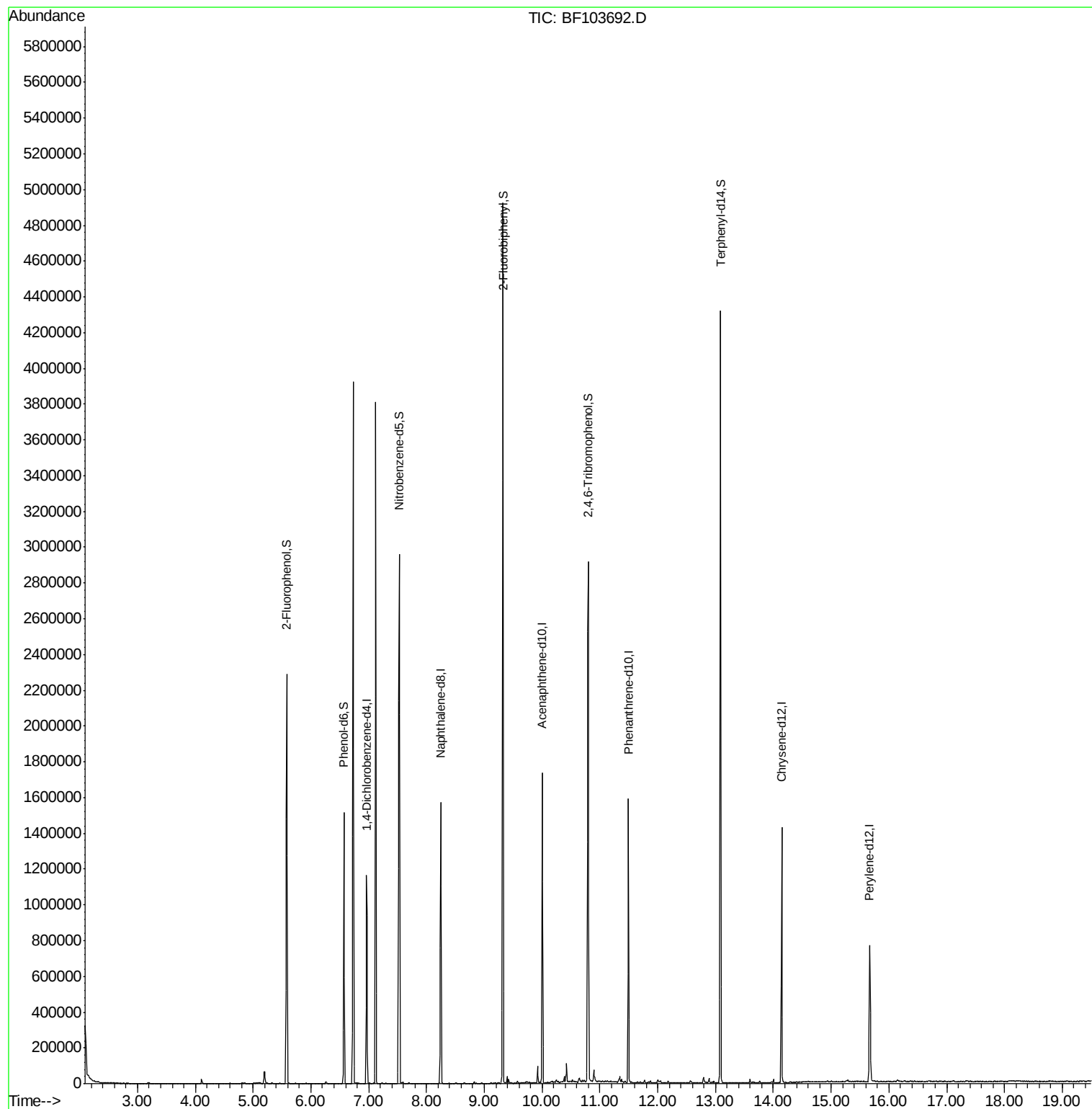
Target Compounds Qvalue

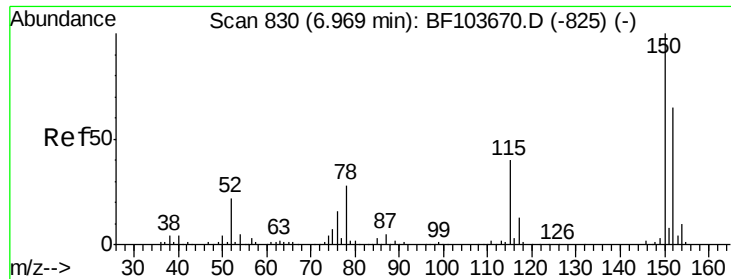
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 13:24:19 2018  
Response via : Initial Calibration



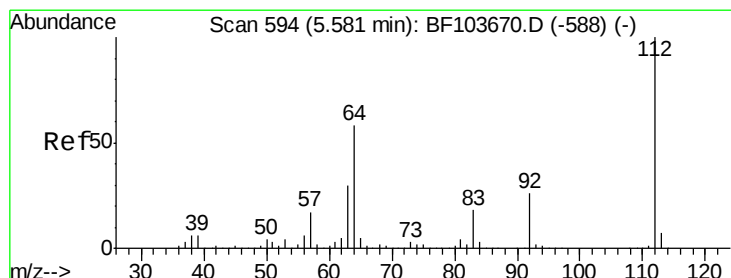
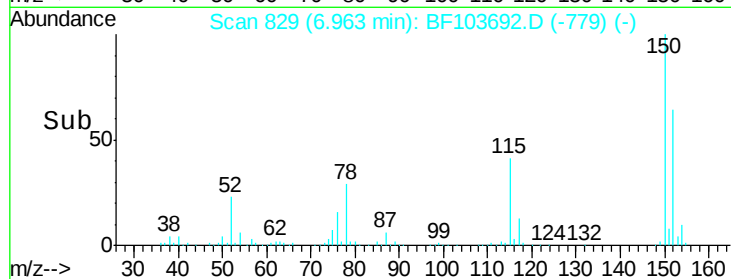
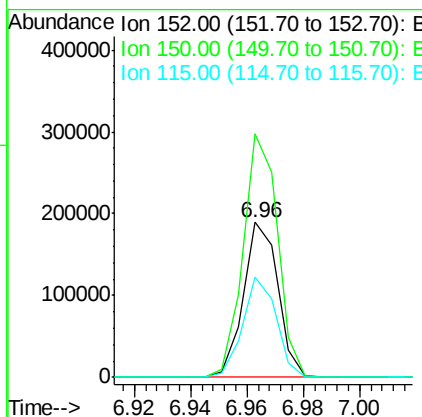
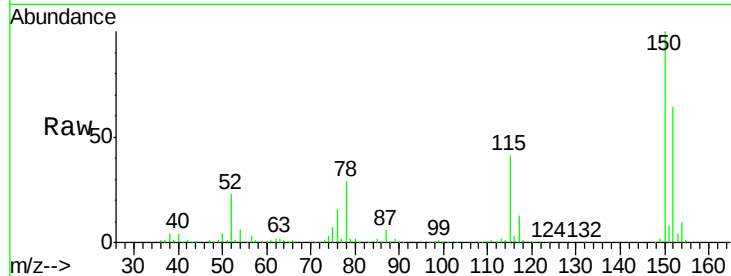


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 829  
 Delta R.T. -0.01 min  
 Lab File: BF103692.D  
 Acq: 16 Mar 2018 13:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS043071

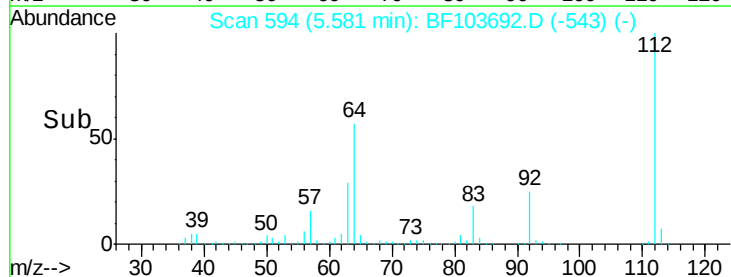
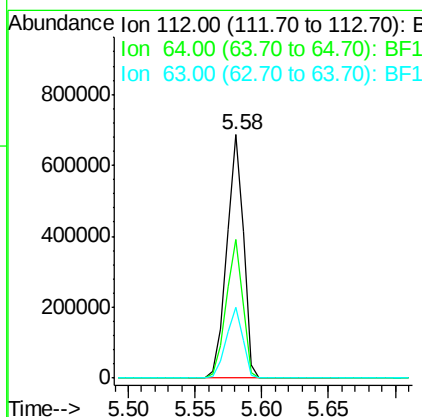
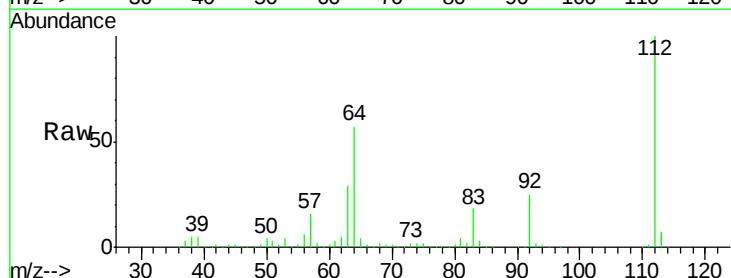
Tot Ion:152 Resp: 159569  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 124.6 186.8  
 115 65.0 50.1 75.1



#5

2-Fluorophenol  
 Concen: 57.961 ng  
 RT: 5.58 min Scan# 594  
 Delta R.T. -0.00 min  
 Lab File: BF103692.D  
 Acq: 16 Mar 2018 13:18

Tgt Ion:112 Resp: 608072  
 Ion Ratio Lower Upper  
 112 100  
 64 56.9 47.9 71.9  
 63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 35.097 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103692.D

Acq: 16 Mar 2018 13:18

Instrument :

BNA\_F

ClientSampleId :

CPS043071

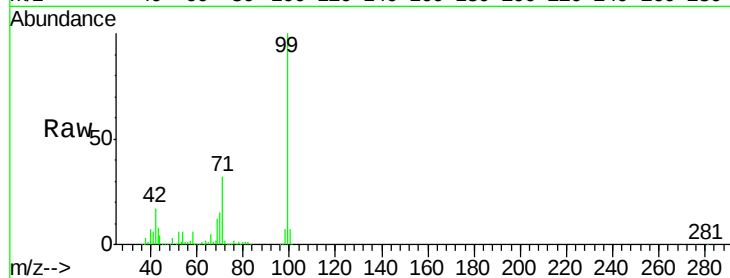
Tot Ion: 99 Resp: 450475

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

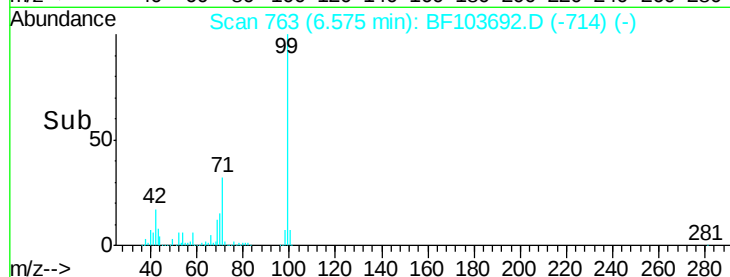
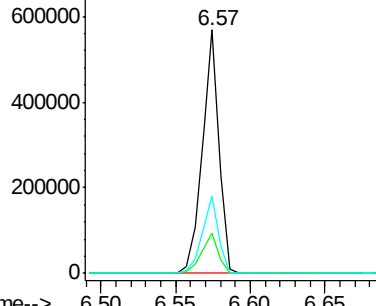
71 31.9 25.4 38.0



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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF103692.D

Acq: 16 Mar 2018 13:18

Tgt Ion: 136 Resp: 660328

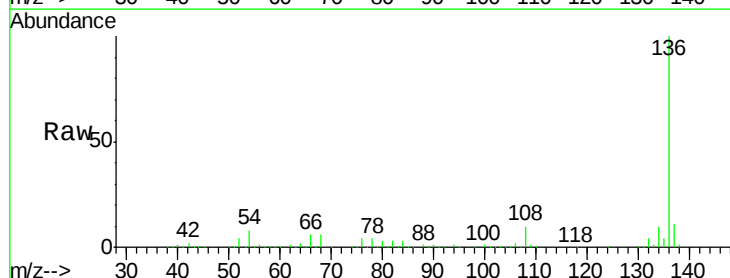
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 6.3 5.0 7.4

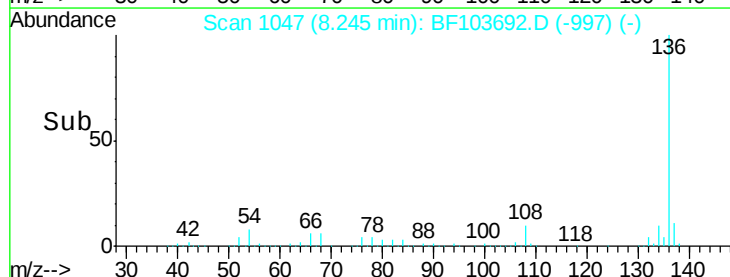
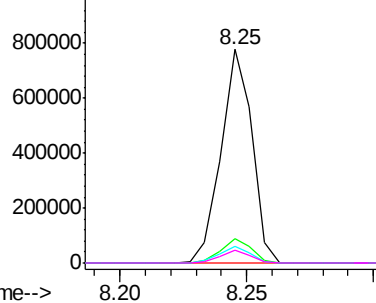


Abundance Ion 136.00 (135.70 to 136.70): E

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

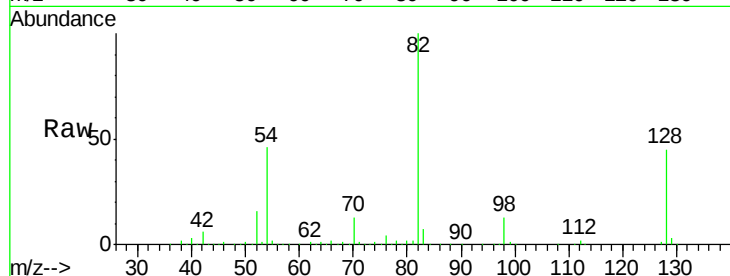




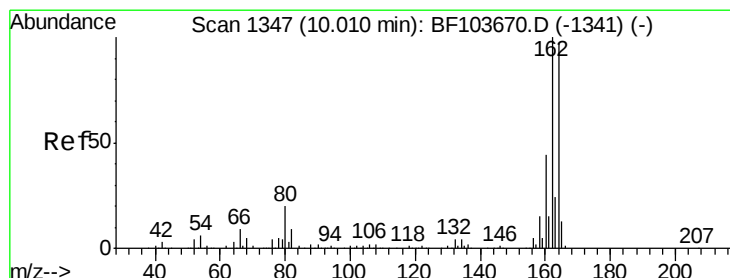
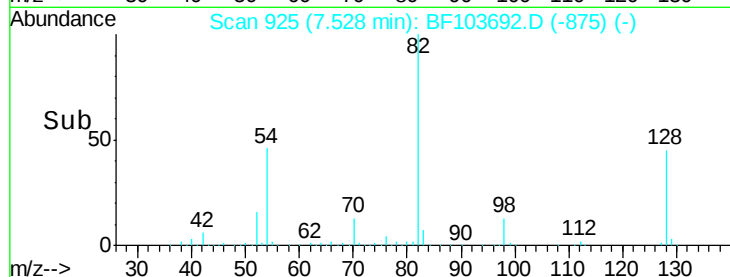
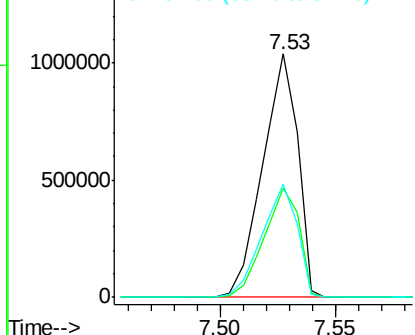
#23  
Nitrobenzene-d5  
Concen: 115.732 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF103692.D  
Acq: 16 Mar 2018 13:18

Instrument :  
BNA\_F  
ClientSampleId :  
CPS043071

Tot Ion: 82 Resp: 1095862  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.1 54.1  
54 46.4 41.4 62.2

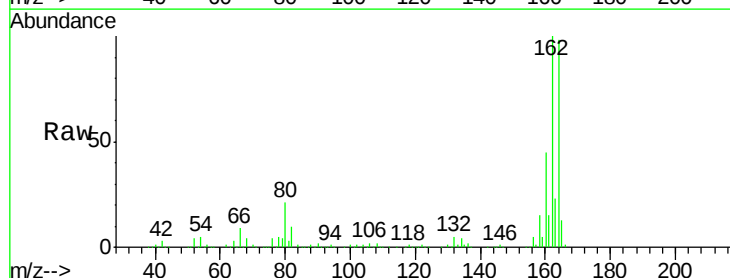


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

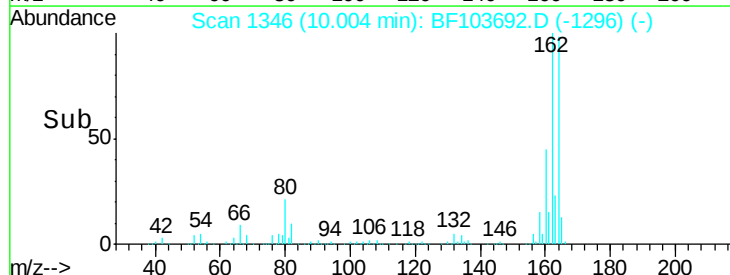
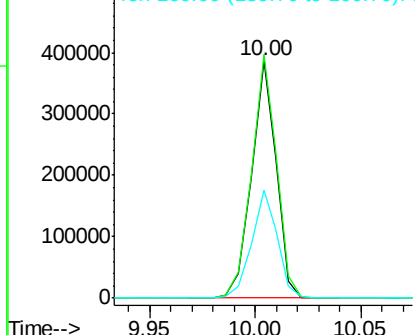


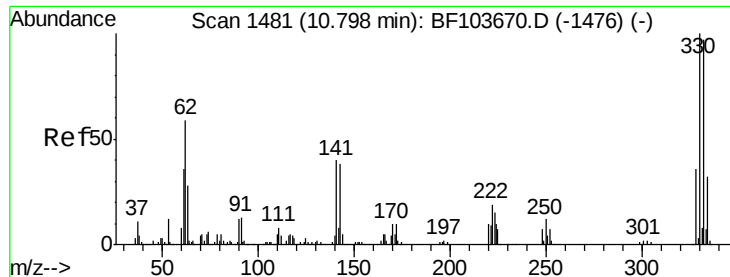
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1346  
Delta R.T. -0.01 min  
Lab File: BF103692.D  
Acq: 16 Mar 2018 13:18

Tgt Ion:164 Resp: 314190  
Ion Ratio Lower Upper  
164 100  
162 102.4 86.1 129.1  
160 45.6 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

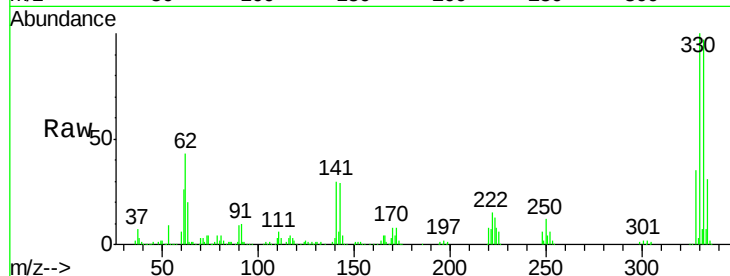




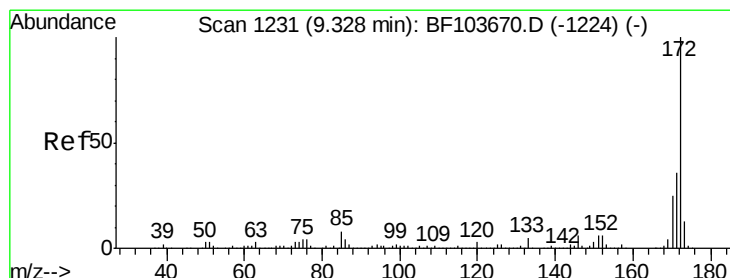
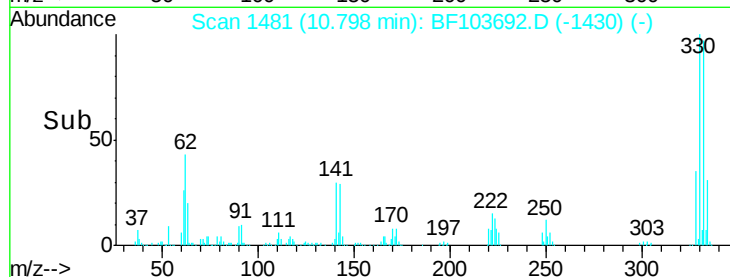
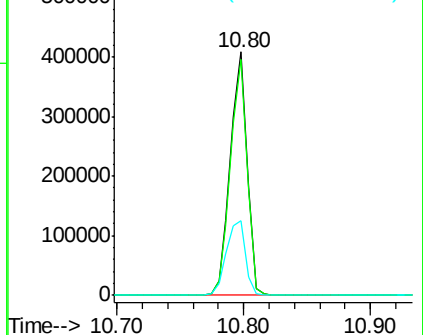
#41  
 2,4,6-Tribromophenol  
 Concen: 138.566 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: BF103692.D  
 Acq: 16 Mar 2018 13:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPS043071

Tot Ion:330 Resp: 374327  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.0 115.6  
 141 34.9 29.9 44.9

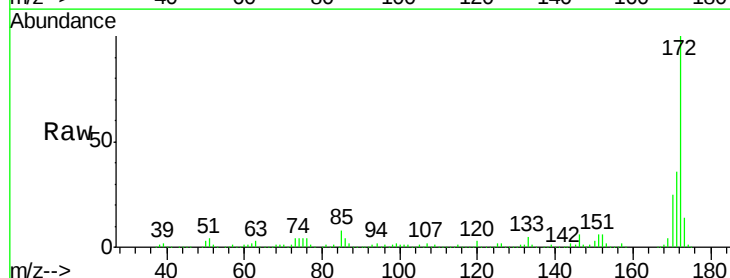


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

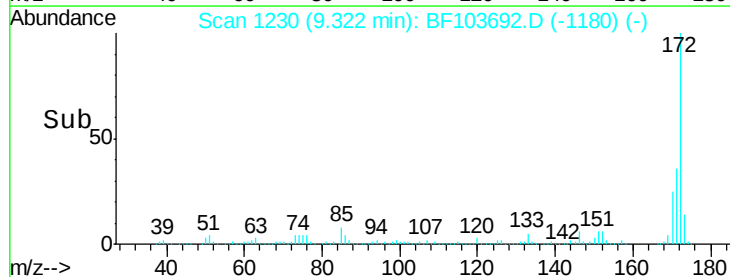
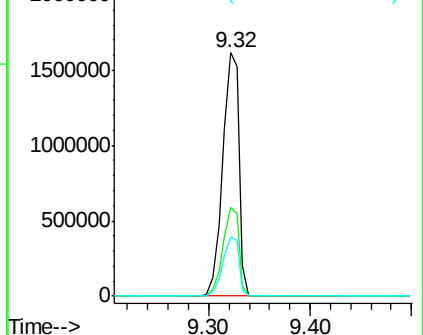


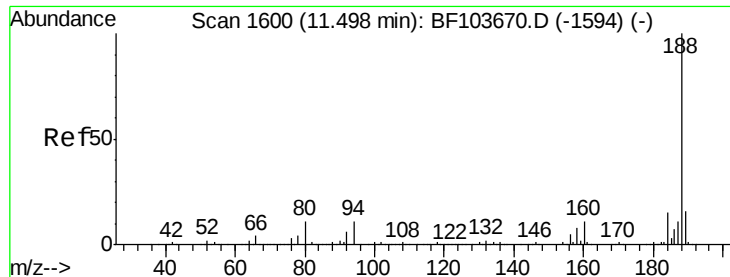
#44  
 2-Fluorobiphenyl  
 Concen: 90.980 ng  
 RT: 9.32 min Scan# 1230  
 Delta R.T. -0.01 min  
 Lab File: BF103692.D  
 Acq: 16 Mar 2018 13:18

Tgt Ion:172 Resp: 1792002  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 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

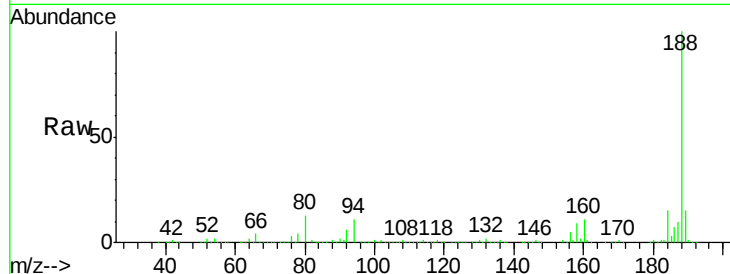




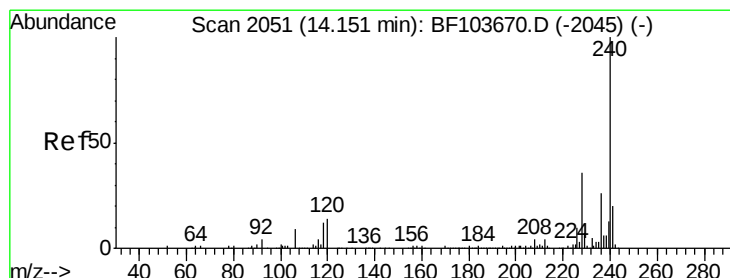
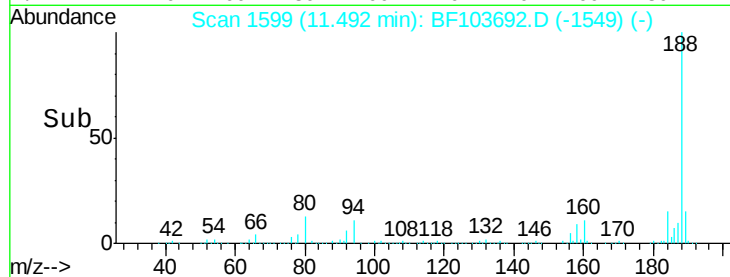
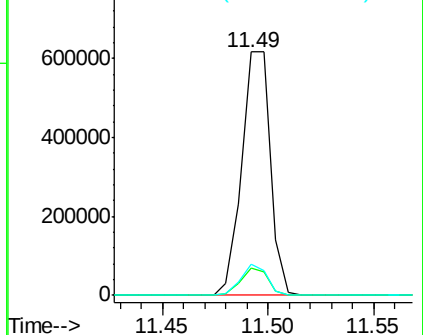
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: BF103692.D  
Acq: 16 Mar 2018 13:18

Instrument :  
BNA\_F  
ClientSampleId :  
CPS043071

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.4  | 8.5   | 12.7  |
| 80      | 12.6  | 9.2   | 13.8  |

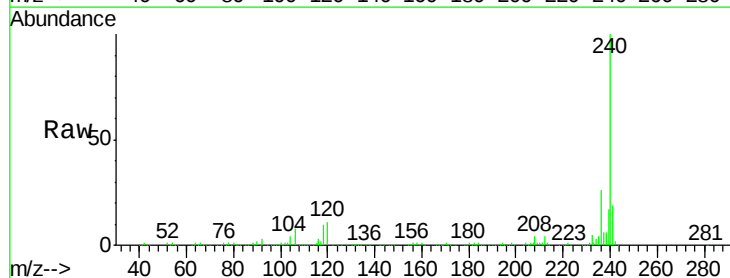


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

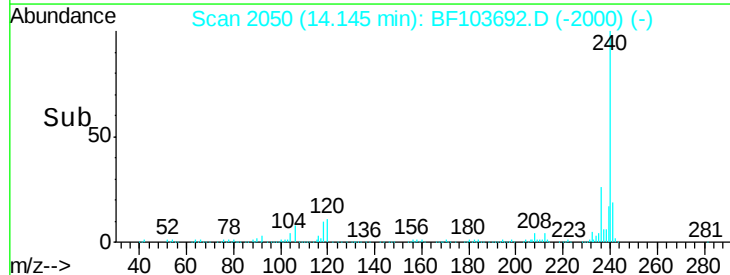
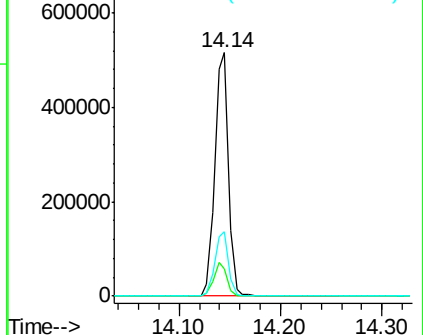


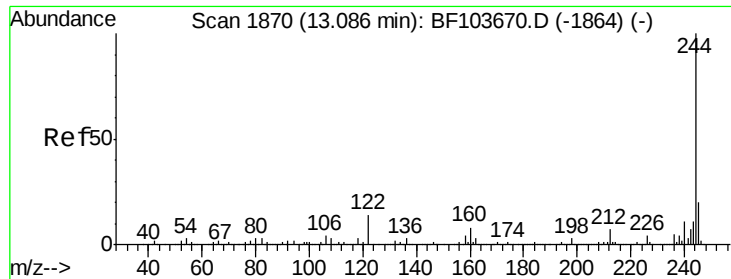
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. -0.01 min  
Lab File: BF103692.D  
Acq: 16 Mar 2018 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.3  | 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: 87.716 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF103692.D

Acq: 16 Mar 2018 13:18

Instrument :

BNA\_F

ClientSampleId :

CPS043071

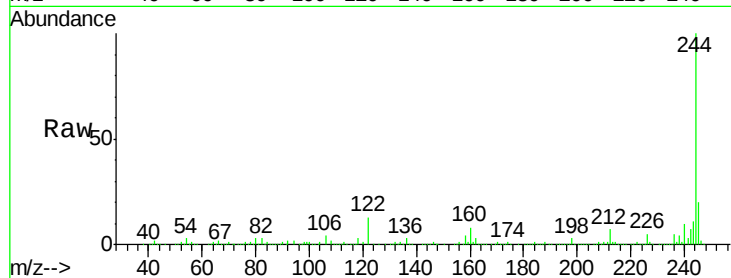
Tot Ion:244 Resp: 1824086

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

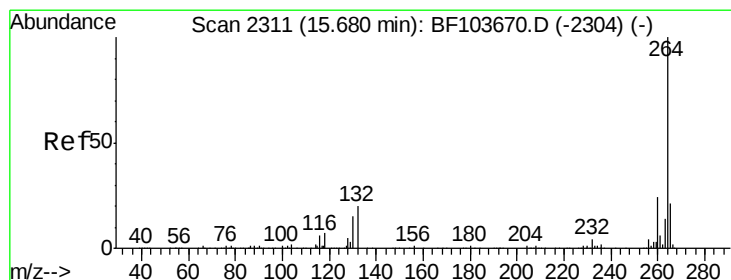
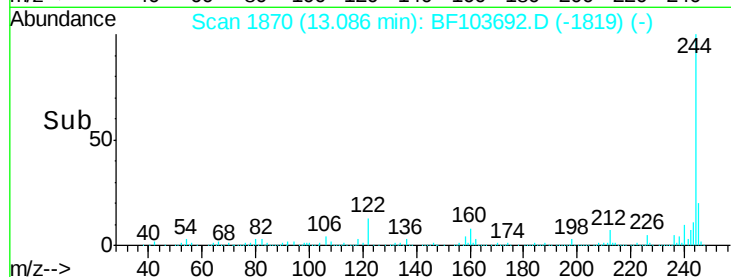
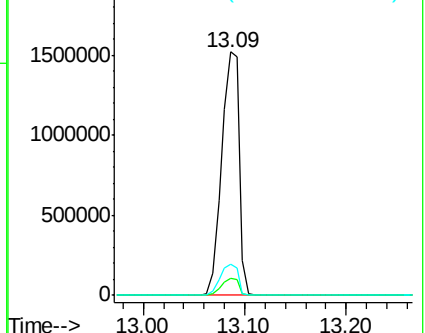
122 12.6 11.0 16.4



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: 15.67 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BF103692.D

Acq: 16 Mar 2018 13:18

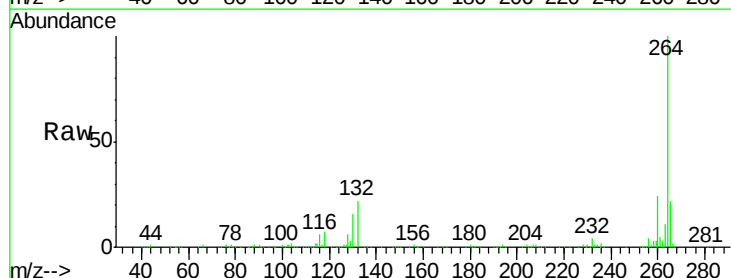
Tgt Ion:264 Resp: 361245

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.6 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

