

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\  
 Data File : BF088945.D  
 Acq On : 13 Jul 2016 5:21  
 Operator : UM/SJ  
 Sample : H3987-03  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-WALL-N-070816

Quant Time: Jul 13 06:56:42 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 11 18:13:32 2016  
 Response via : Initial Calibration

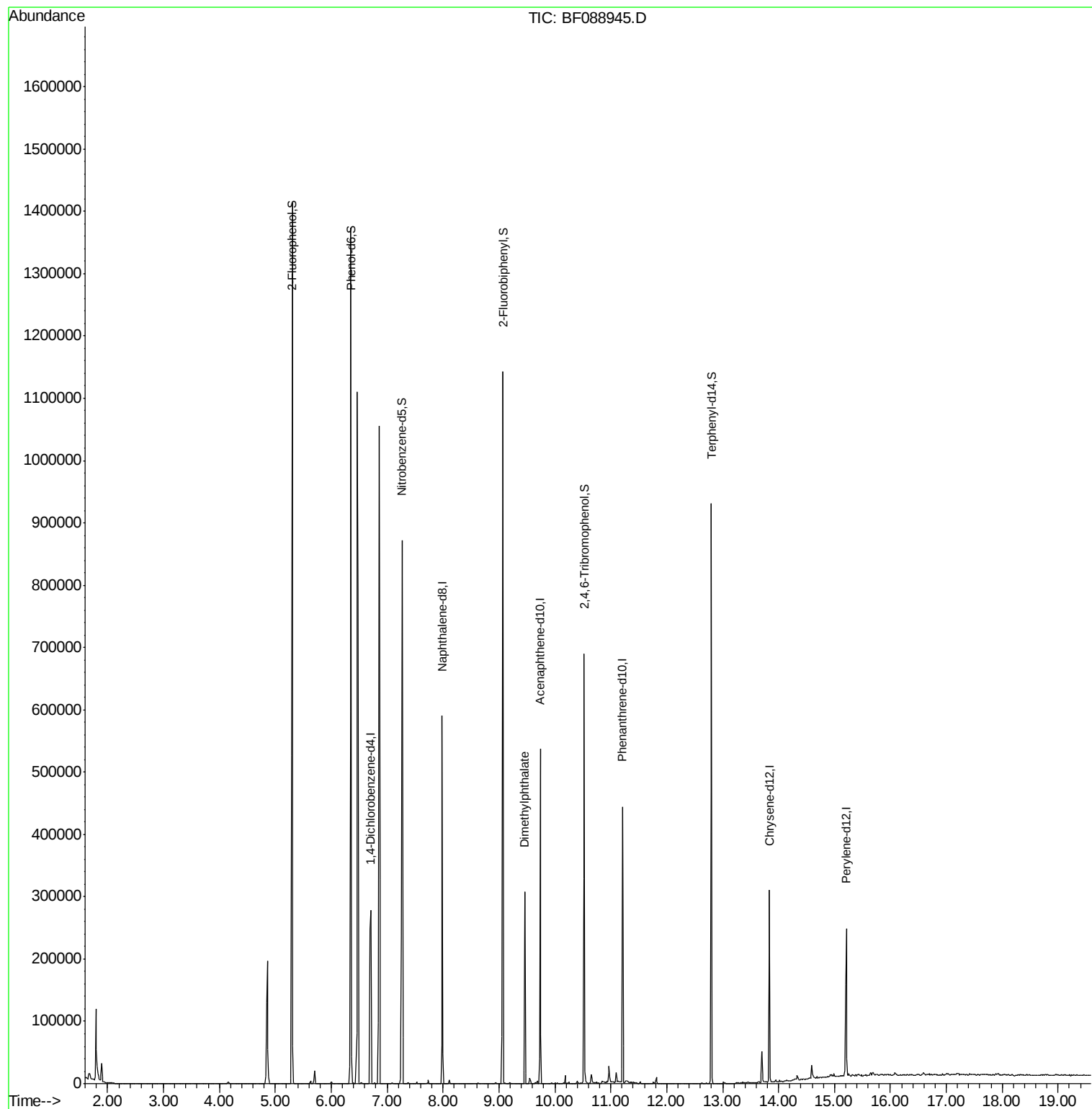
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 61040    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 235044   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.74  | 164  | 95320    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.21 | 188  | 143666   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 13.84 | 240  | 133413   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.21 | 264  | 108991   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 389497   | 95.63 | ng    | 0.01     |
| 7) Phenol-d6                | 6.35  | 99   | 498027   | 94.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 290502   | 64.77 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 87930    | 99.34 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 515293   | 85.39 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.80 | 244  | 322748   | 53.88 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.46  | 163  | 108315   | 15.95 | ng    | 100      |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\  
Data File : BF088945.D  
Acq On : 13 Jul 2016 5:21  
Operator : UM/SJ  
Sample : H3987-03  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-WALL-N-070816

Quant Time: Jul 13 06:56:42 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 11 18:13:32 2016  
Response via : Initial Calibration



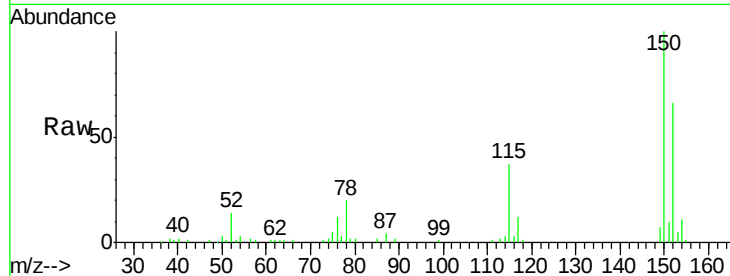


#1

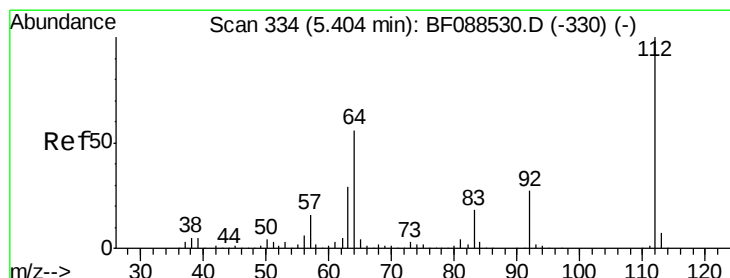
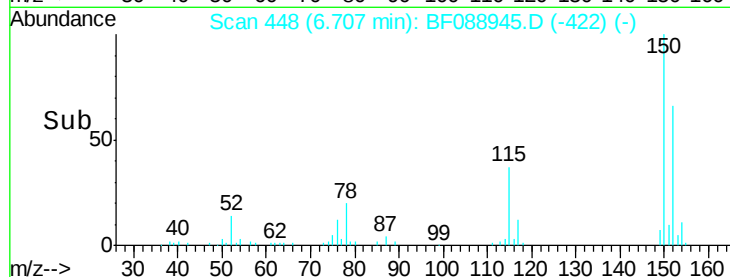
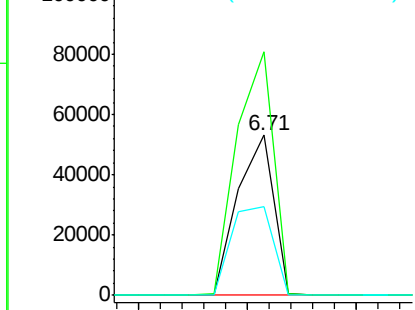
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 448  
Delta R.T. -0.00 min  
Lab File: BF088945.D  
Acq: 13 Jul 2016 5:21

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-WALL-N-070816

Tot Ion:152 Resp: 61040  
Ion Ratio Lower Upper  
152 100  
150 152.3 123.8 185.6  
115 55.8 39.6 59.4



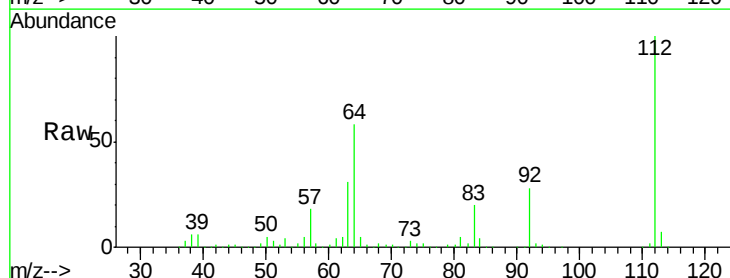
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



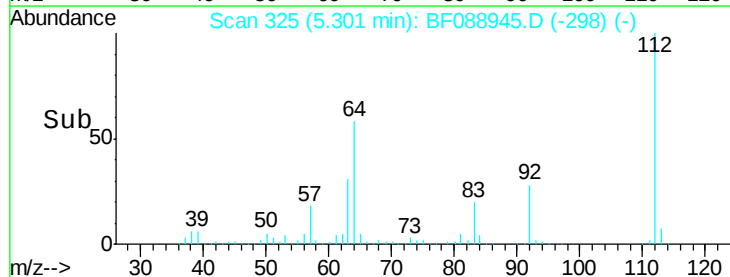
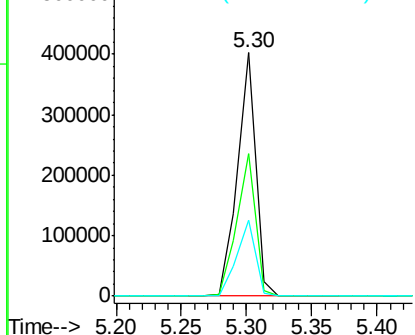
#5

2-Fluorophenol  
Concen: 95.63 ng  
RT: 5.30 min Scan# 325  
Delta R.T. 0.01 min  
Lab File: BF088945.D  
Acq: 13 Jul 2016 5:21

Tgt Ion:112 Resp: 389497  
Ion Ratio Lower Upper  
112 100  
64 58.3 42.2 63.2  
63 31.4 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.63 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

Instrument :

BNA\_F

ClientSampleId :

COMP-WALL-N-070816

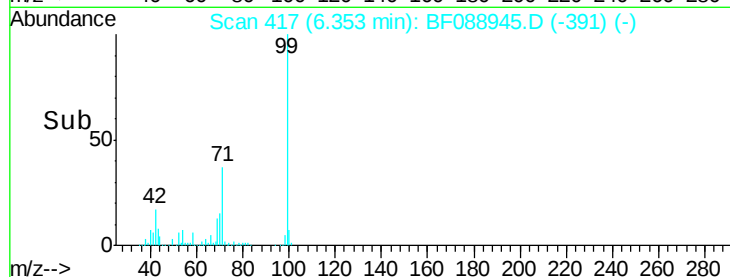
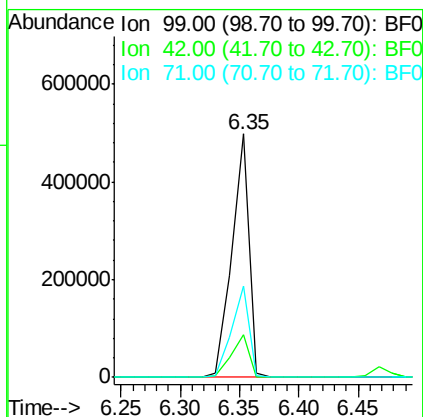
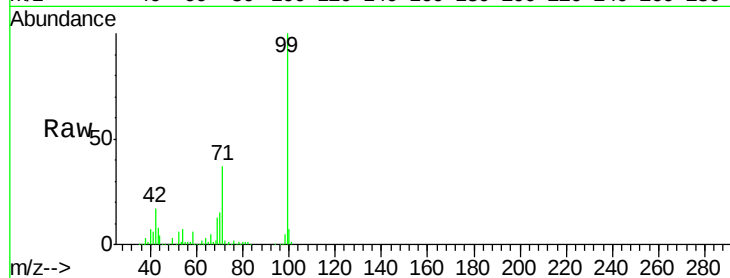
Tot Ion: 99 Resp: 498027

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 37.3 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

Tgt Ion: 136 Resp: 235044

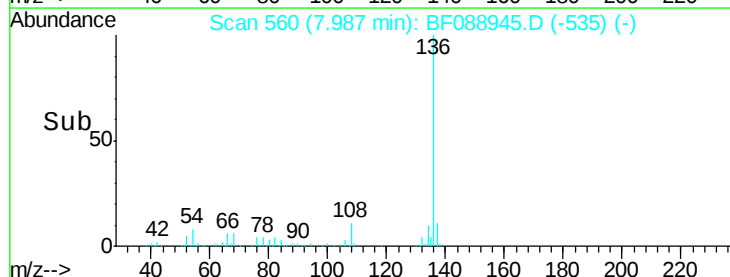
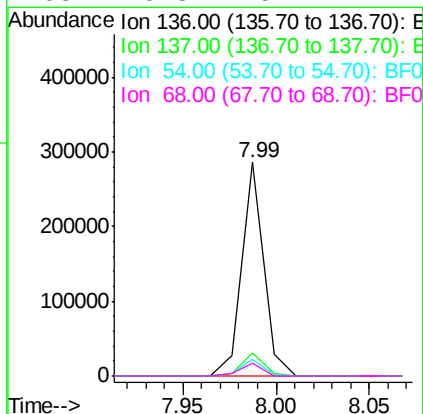
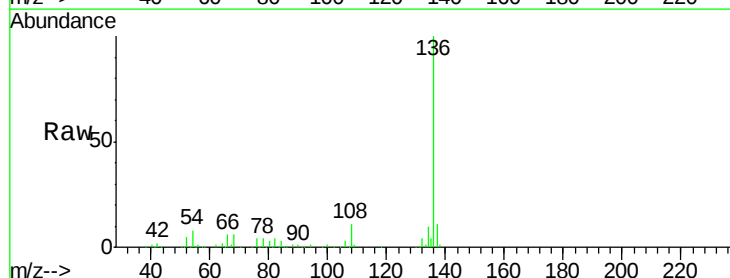
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.8 6.6 10.0

68 6.3 5.1 7.7

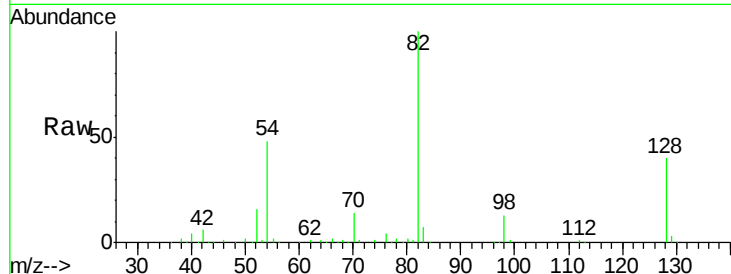




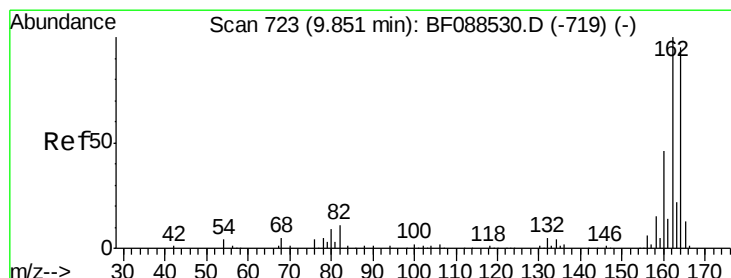
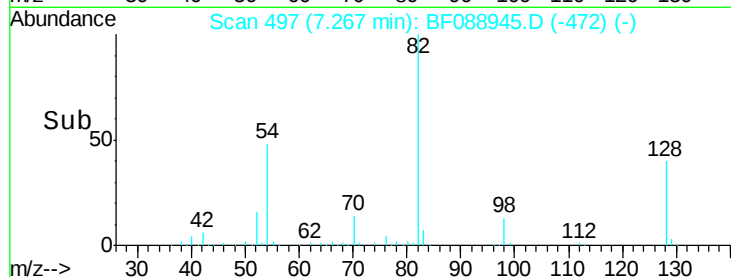
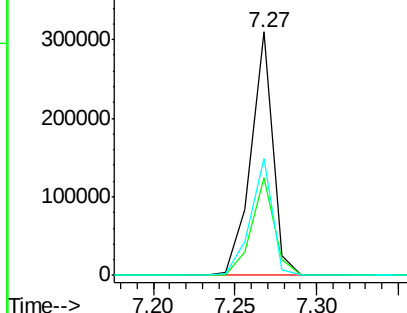
#23  
 Nitrobenzene-d5  
 Concen: 64.77 ng  
 RT: 7.27 min Scan# 497  
 Delta R.T. -0.01 min  
 Lab File: BF088945.D  
 Acq: 13 Jul 2016 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-WALL-N-070816

| Tot Ion   | 82   | Resp  | 290502 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 39.9 | 35.9  | 53.9   |
| 54        | 48.2 | 40.9  | 61.3   |

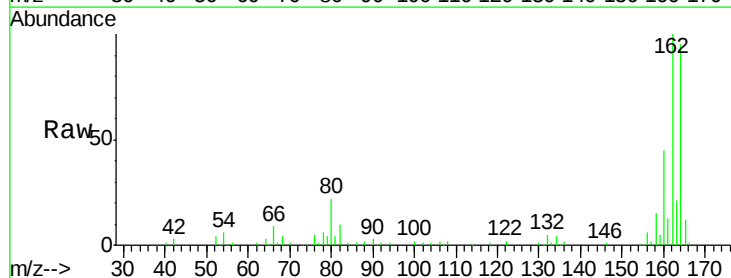


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

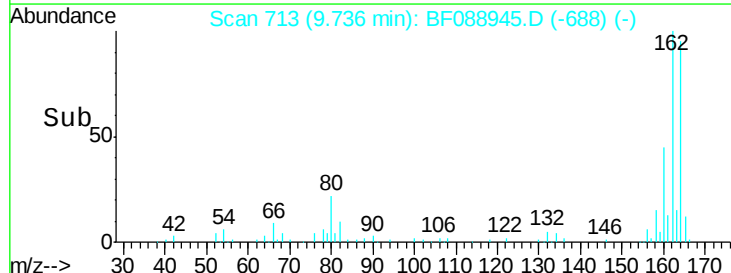
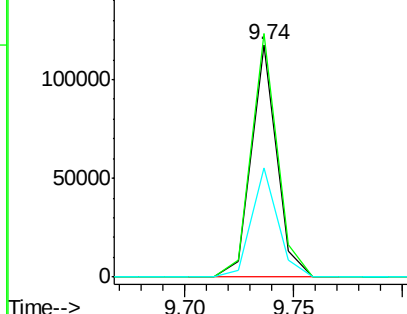


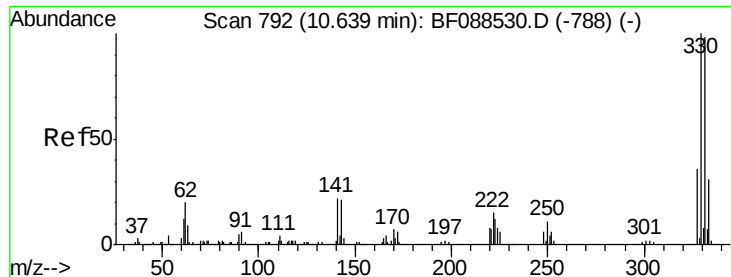
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.74 min Scan# 713  
 Delta R.T. -0.01 min  
 Lab File: BF088945.D  
 Acq: 13 Jul 2016 5:21

| Tgt Ion   | 164   | Resp  | 95320 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 104.9 | 85.4  | 128.2 |
| 160       | 47.2  | 39.5  | 59.3  |



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

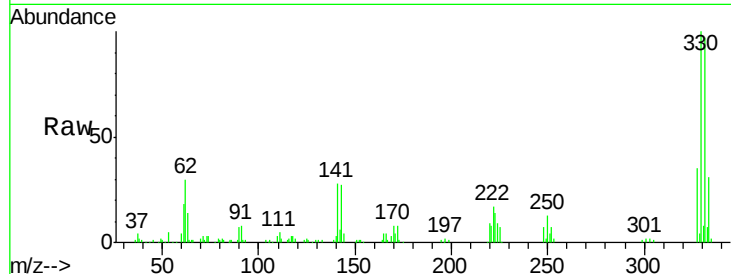




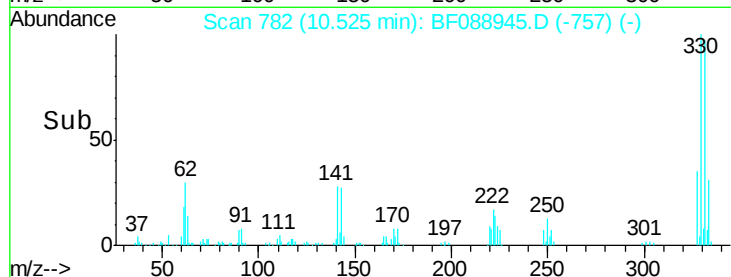
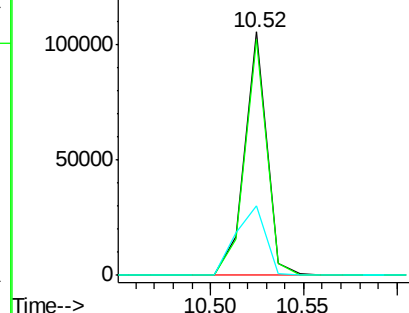
#41  
 2,4,6-Tribromophenol  
 Concen: 99.34 ng  
 RT: 10.52 min Scan# 782  
 Delta R.T. -0.01 min  
 Lab File: BF088945.D  
 Acq: 13 Jul 2016 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-WALL-N-070816

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 0.0   | 0.0#  |
| 141     | 38.7  | 0.0   | 0.0#  |

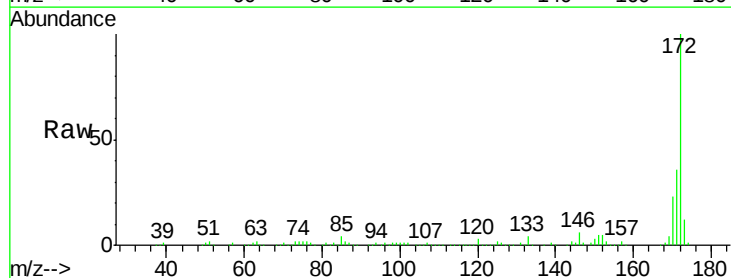


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

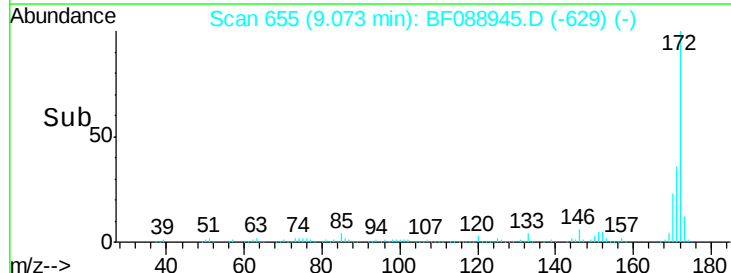
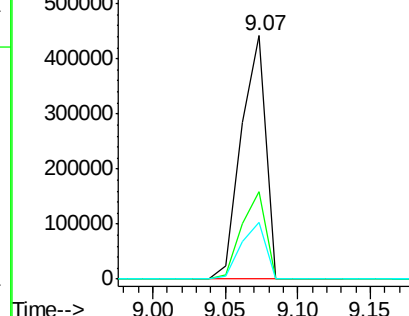


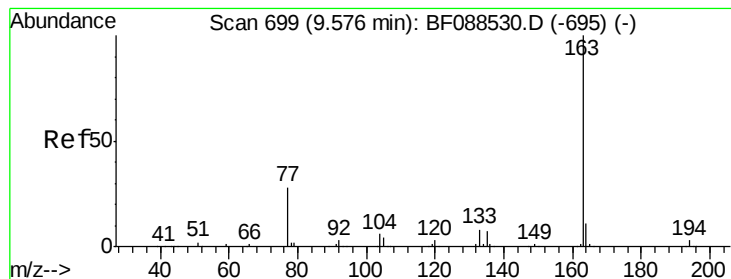
#44  
 2-Fluorobiphenyl  
 Concen: 85.39 ng  
 RT: 9.07 min Scan# 655  
 Delta R.T. -0.00 min  
 Lab File: BF088945.D  
 Acq: 13 Jul 2016 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.6  | 43.0  |
| 170     | 23.4  | 19.2  | 28.8  |



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





#49

Dimethylphthalate

Concen: 15.95 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

Instrument :

BNA\_F

ClientSampleId :

COMP-WALL-N-070816

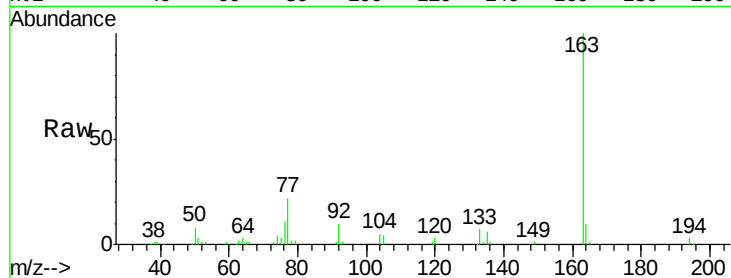
Tot Ion:163 Resp: 108315

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

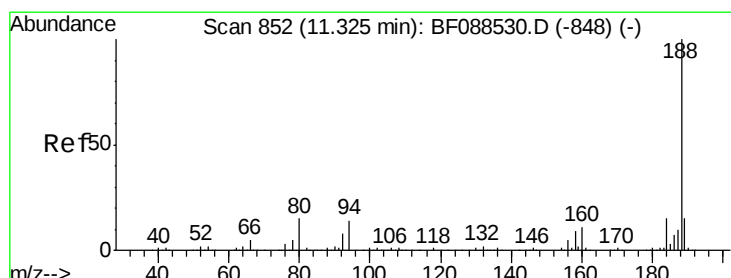
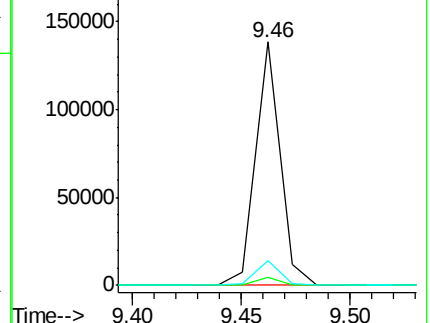
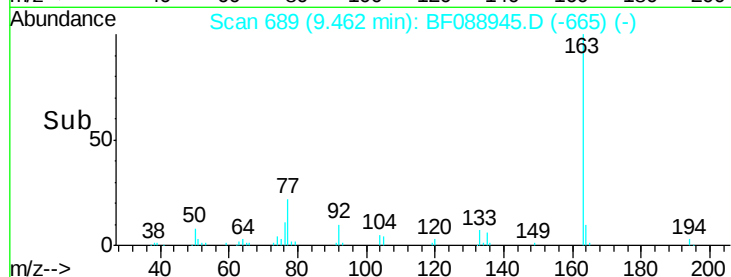
164 10.3 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

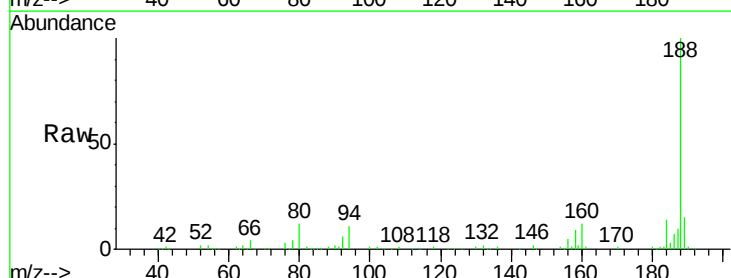
Tgt Ion:188 Resp: 143666

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.6

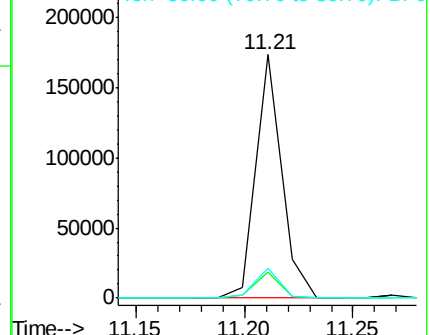
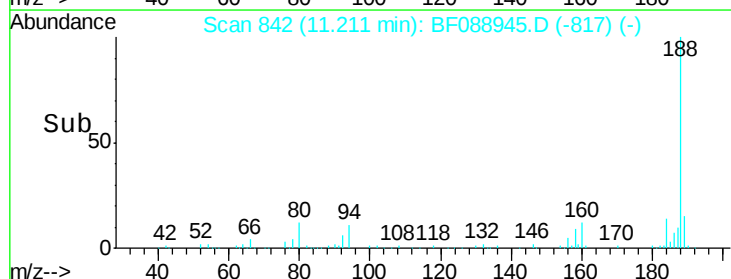
80 12.1 10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

Instrument :

BNA\_F

ClientSampleId :

COMP-WALL-N-070816

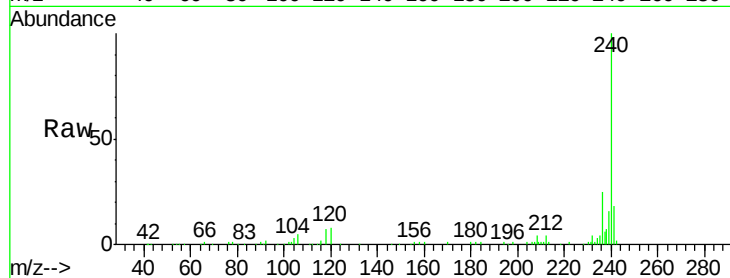
Tot Ion:240 Resp: 133413

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

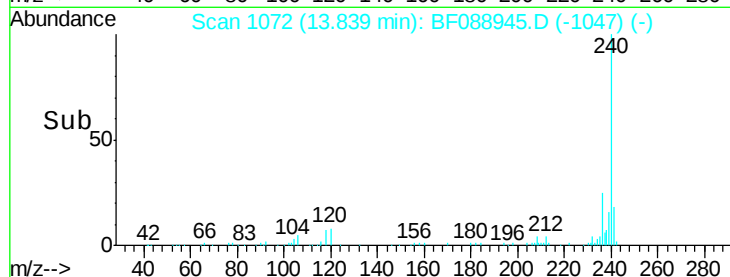
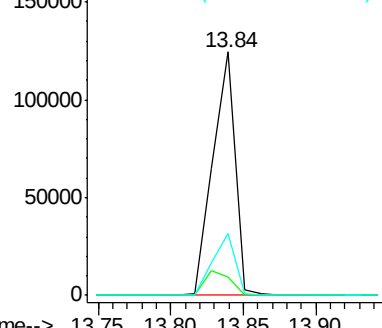
236 25.3 20.2 30.2



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: 53.88 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088945.D

Acq: 13 Jul 2016 5:21

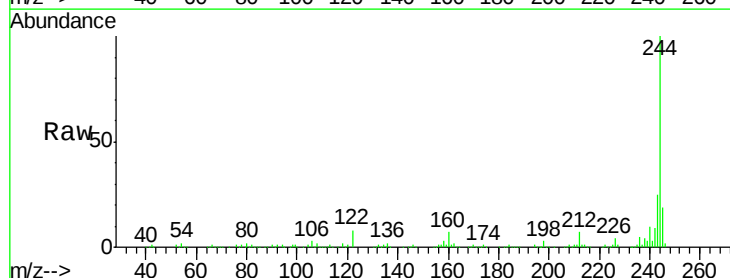
Tgt Ion:244 Resp: 322748

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

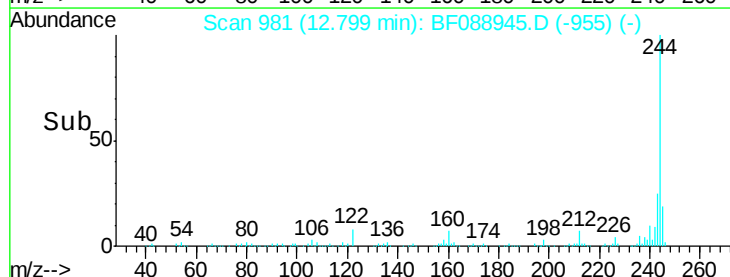
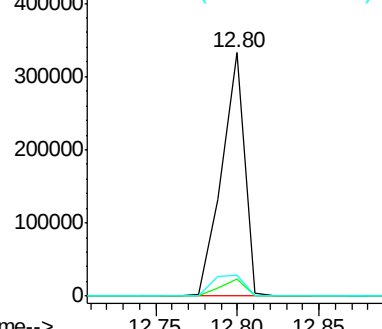
122 8.5 11.2 16.8#

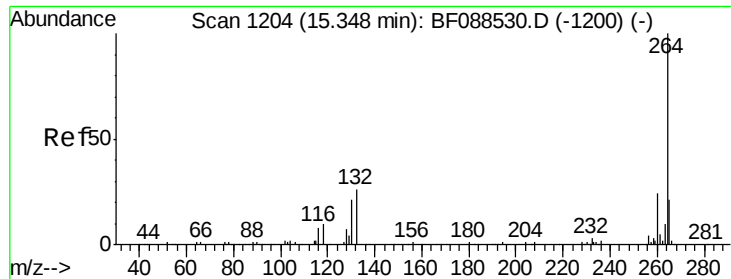


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.21 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF088945.D  
 Acq: 13 Jul 2016 5:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-WALL-N-070816

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 21.0  | 16.9  | 25.3  |

