

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062116\  
 Data File : BF088217.D  
 Acq On : 21 Jun 2016 17:19  
 Operator : UM/SJ  
 Sample : H3580-19  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 08-B6(0-8)C

Quant Time: Jun 21 18:18:17 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 20 17:39:32 2016  
 Response via : Initial Calibration

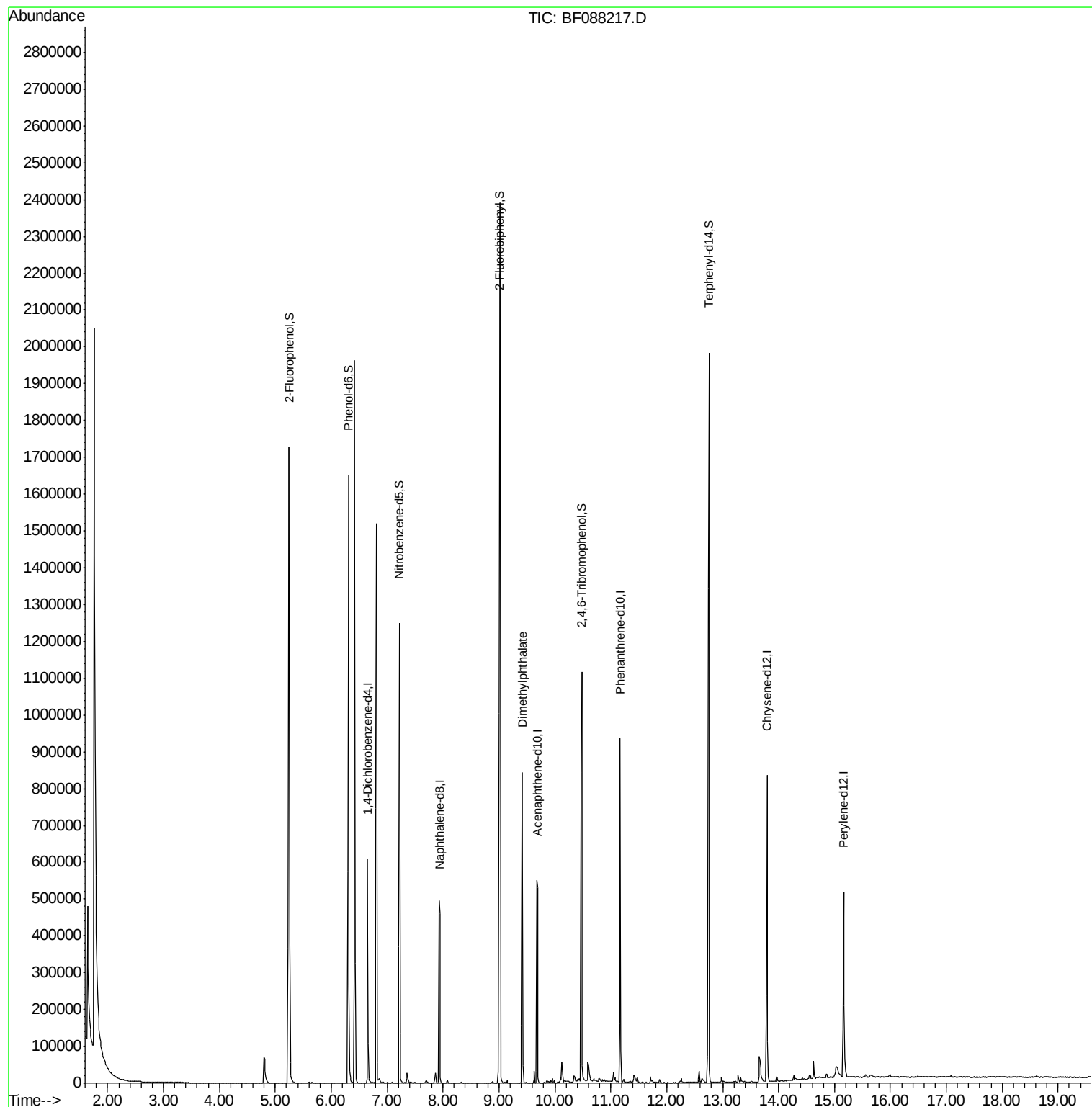
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 92513    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.94  | 136  | 354285   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.68  | 164  | 168292   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.16 | 188  | 327817   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.79 | 240  | 277330   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.17 | 264  | 218500   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 549801   | 101.60 | ng    | -0.01    |
| 7) Phenol-d6                | 6.31  | 99   | 675049   | 102.93 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.22  | 82   | 433998   | 71.53  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.48 | 330  | 188275   | 105.95 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 823450   | 76.30  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.75 | 244  | 784618   | 64.38  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.42  | 163  | 342683   | 28.11  | ng    | 100      |

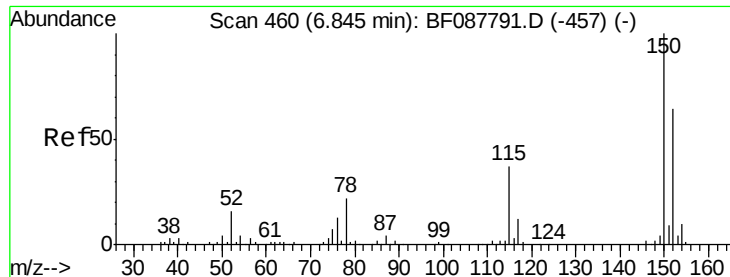
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 20 17:39:32 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA\_F

ClientSampleId :

08-B6(0-8)C

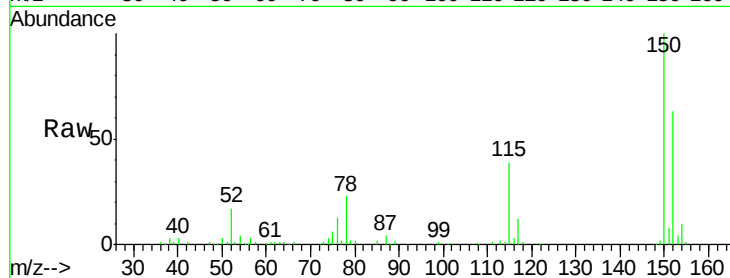
Tot Ion:152 Resp: 92513

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

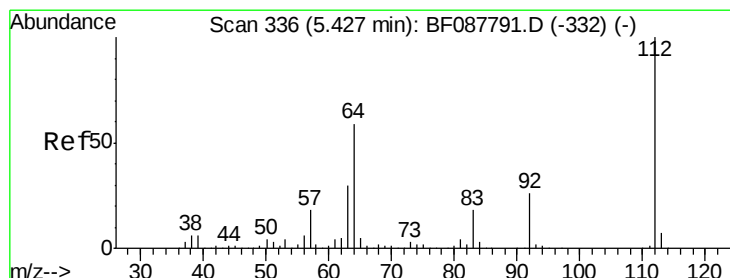
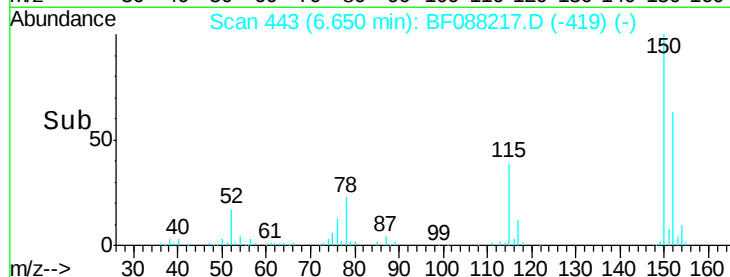
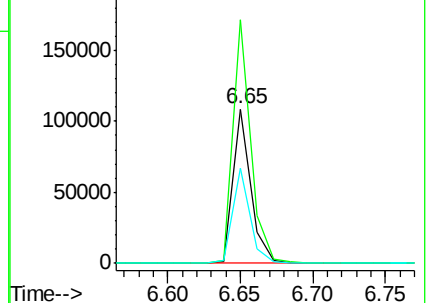
115 61.2 39.6 59.4#



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: 101.60 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

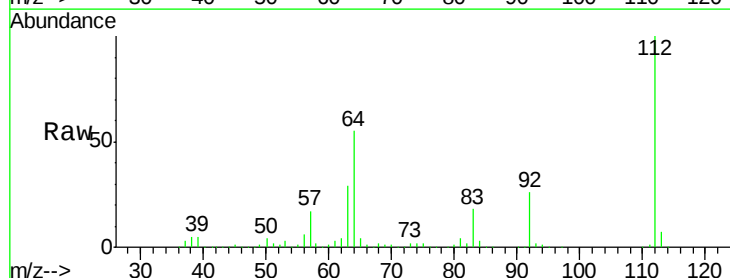
Tgt Ion:112 Resp: 549801

Ion Ratio Lower Upper

112 100

64 55.5 42.2 63.2

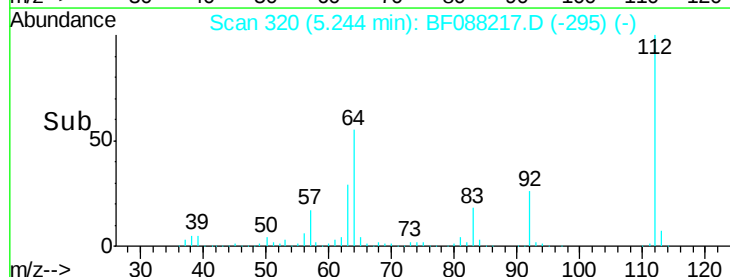
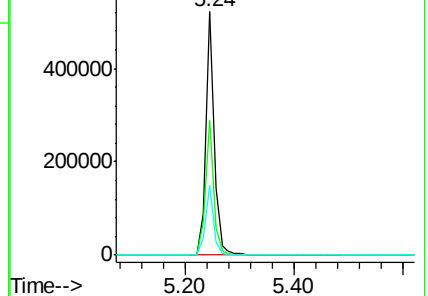
63 28.6 21.8 32.8

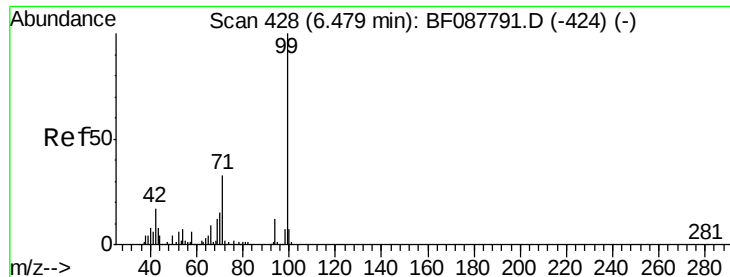


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.93 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA\_F

ClientSampleId :

08-B6(0-8)C

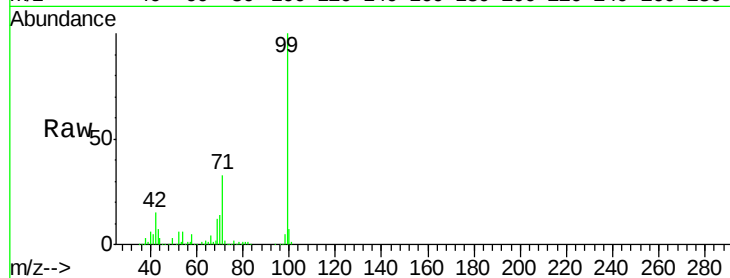
Tot Ion: 99 Resp: 675049

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

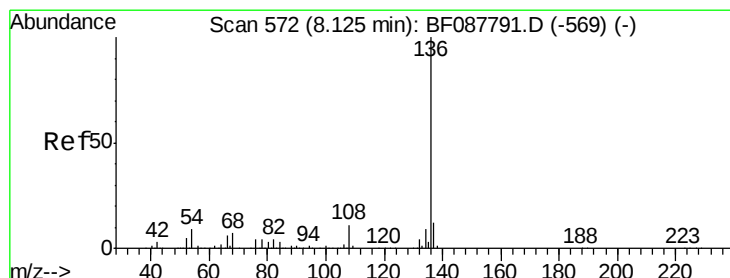
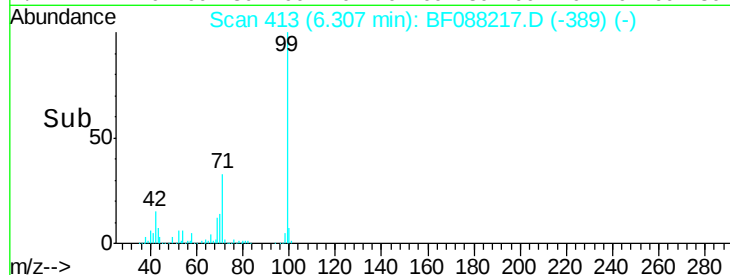
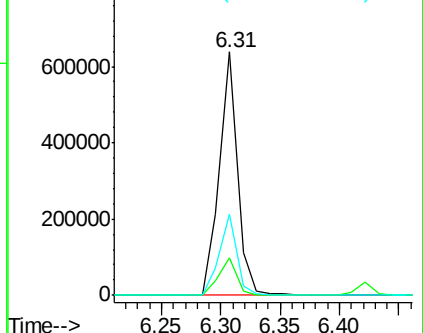
71 33.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Tgt Ion: 136 Resp: 354285

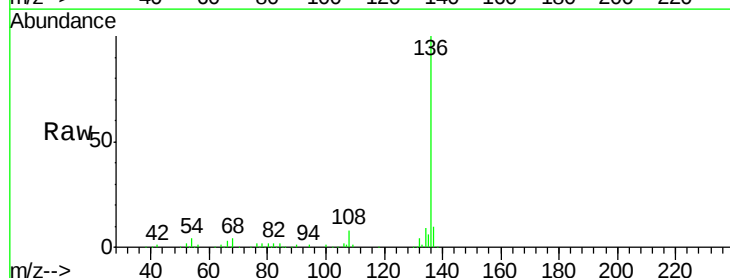
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 4.5 6.6 10.0#

68 4.3 5.1 7.7#

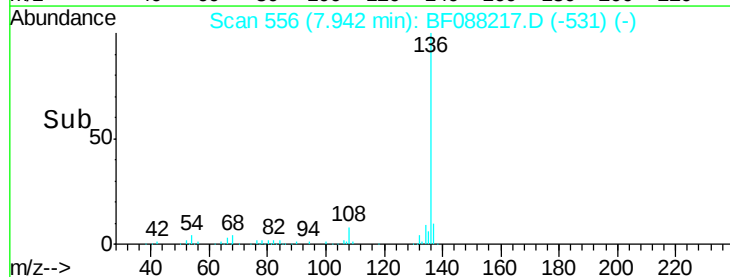
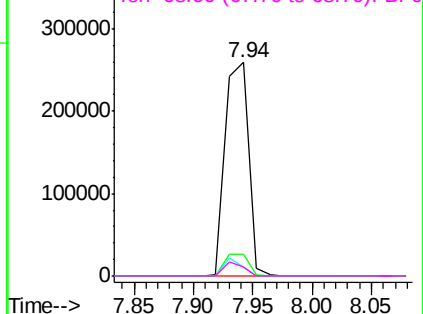


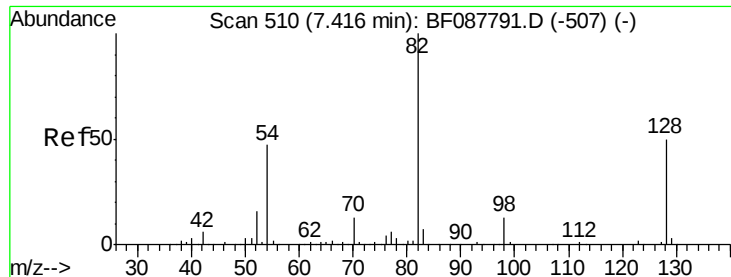
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

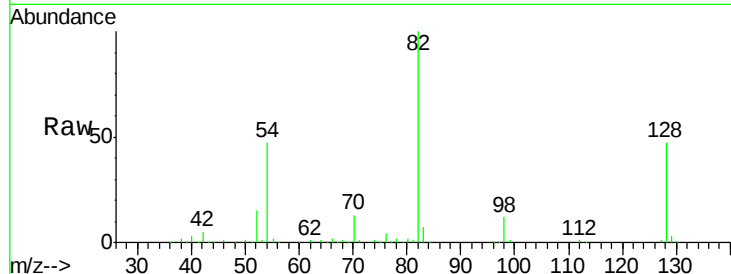




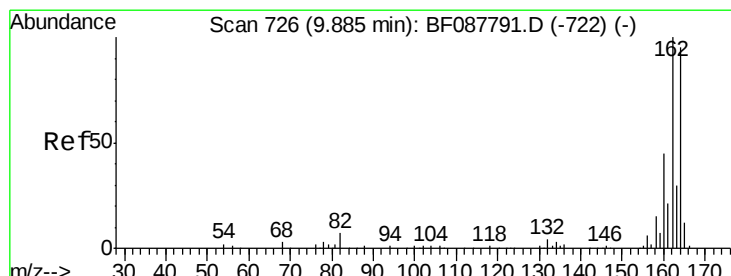
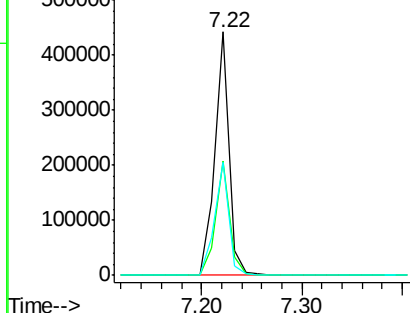
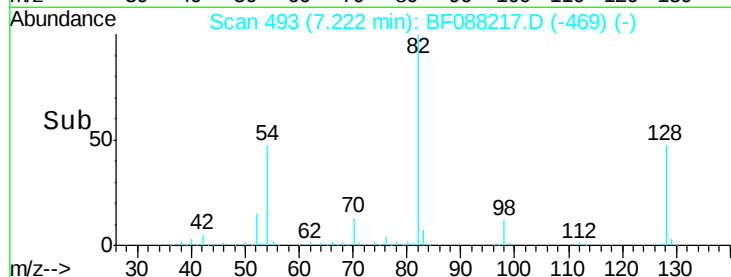
#23  
 Nitrobenzene-d5  
 Concen: 71.53 ng  
 RT: 7.22 min Scan# 493  
 Delta R.T. -0.02 min  
 Lab File: BF088217.D  
 Acq: 21 Jun 2016 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 08-B6(0-8)C

Tot Ion: 82 Resp: 433998  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 35.9 53.9  
 54 46.6 40.9 61.3

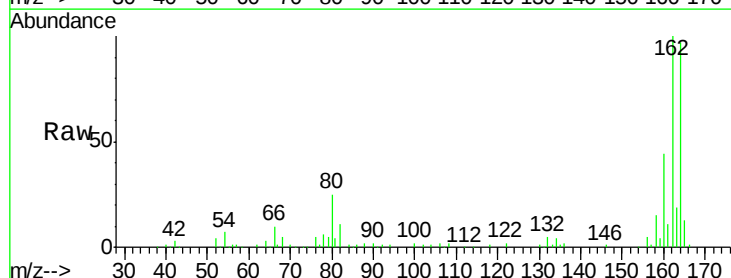


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

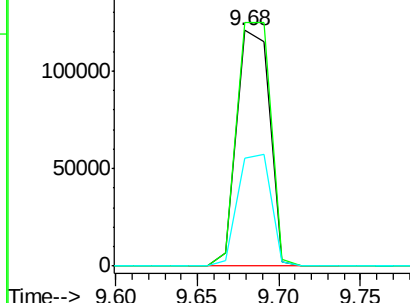
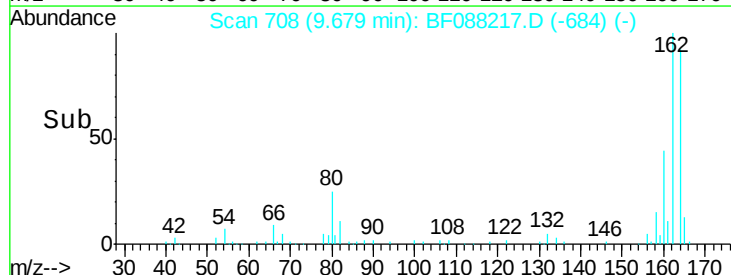


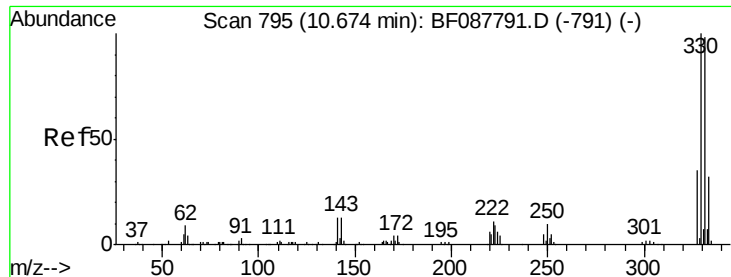
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.68 min Scan# 708  
 Delta R.T. -0.02 min  
 Lab File: BF088217.D  
 Acq: 21 Jun 2016 17:19

Tgt Ion:164 Resp: 168292  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 85.4 128.2  
 160 45.8 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

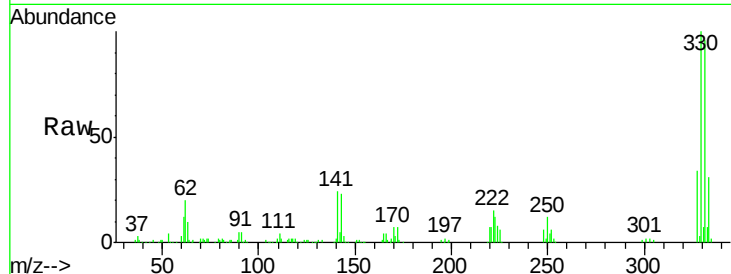




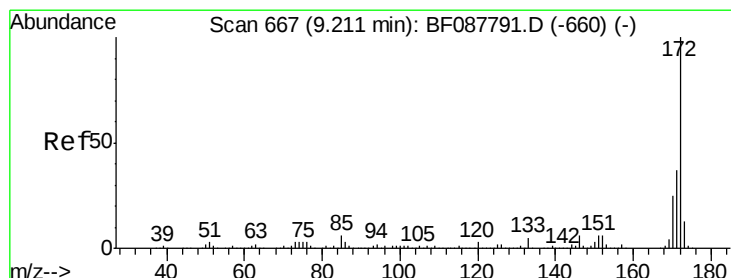
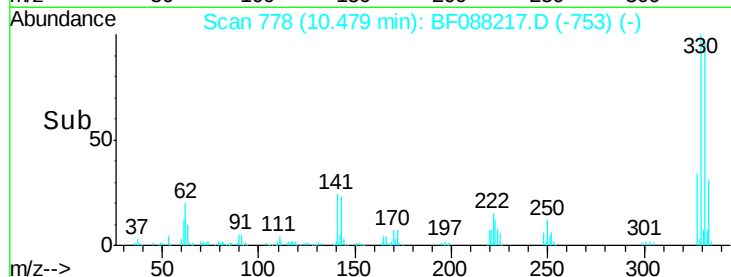
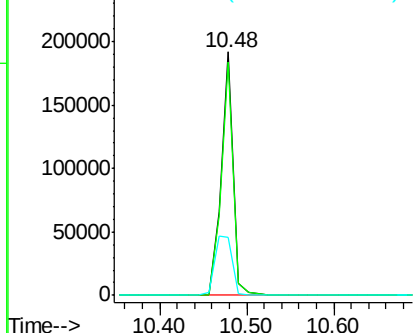
#41  
 2,4,6-Tribromophenol  
 Concen: 105.95 ng  
 RT: 10.48 min Scan# 778  
 Delta R.T. -0.01 min  
 Lab File: BF088217.D  
 Acq: 21 Jun 2016 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 08-B6(0-8)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 0.0   | 0.0#  |
| 141     | 36.1  | 0.0   | 0.0#  |

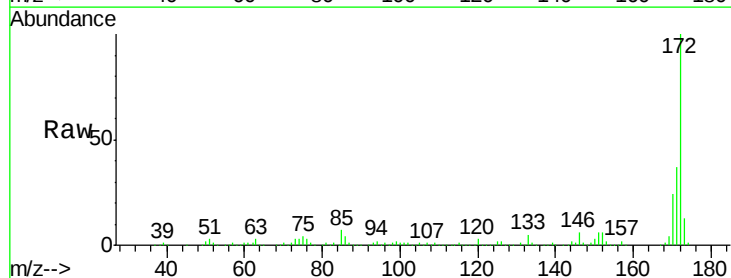


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

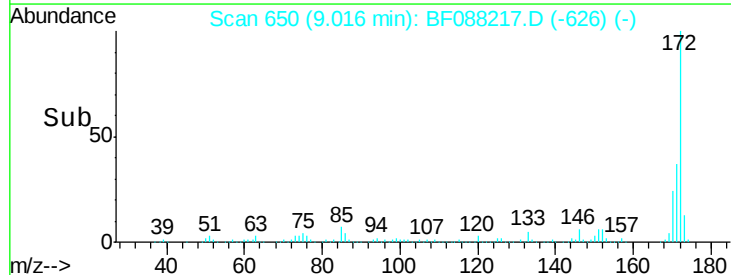
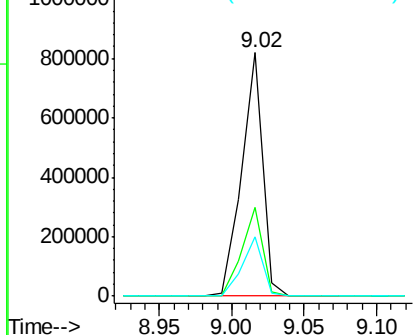


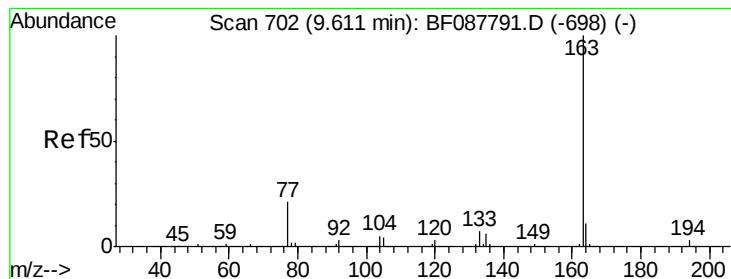
#44  
 2-Fluorobiphenyl  
 Concen: 76.30 ng  
 RT: 9.02 min Scan# 650  
 Delta R.T. -0.02 min  
 Lab File: BF088217.D  
 Acq: 21 Jun 2016 17:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 28.6  | 43.0  |
| 170     | 24.1  | 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: 28.11 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.02 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA\_F

ClientSampleId :

08-B6(0-8)C

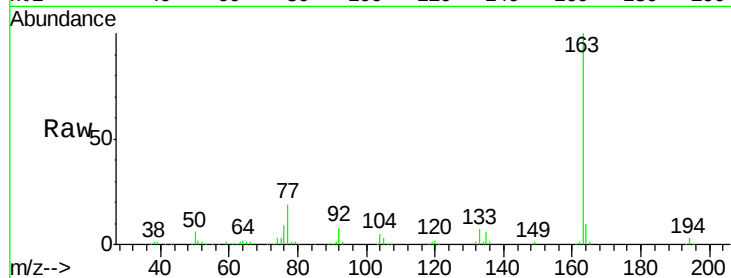
Tot Ion:163 Resp: 342683

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

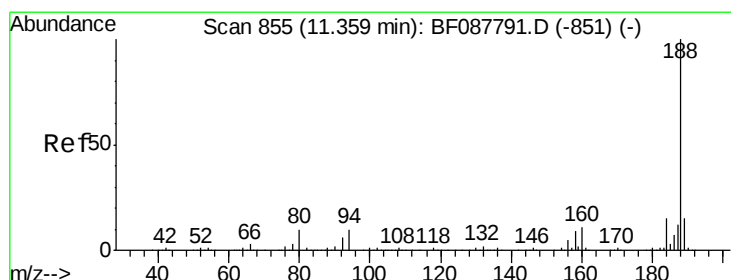
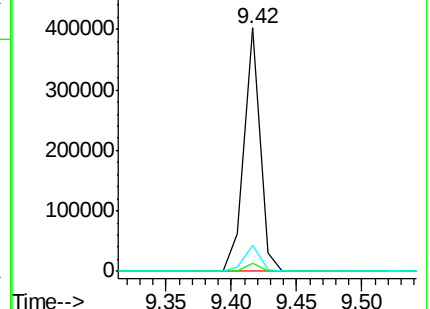
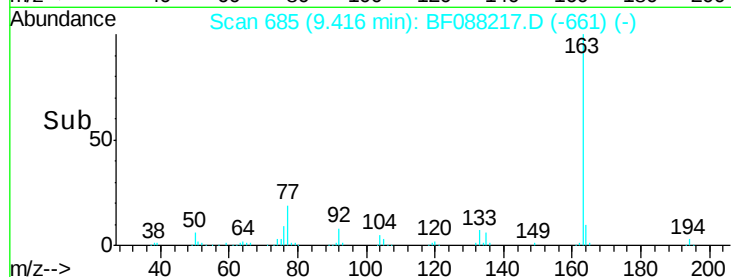
164 10.5 8.3 12.5



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: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

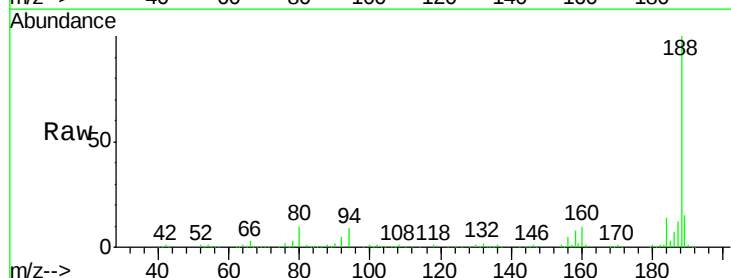
Tgt Ion:188 Resp: 327817

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.6

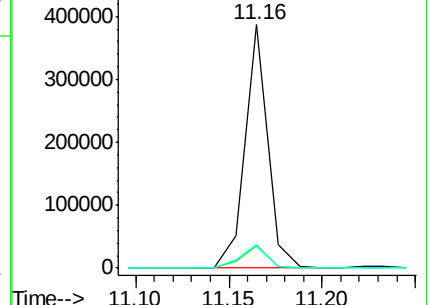
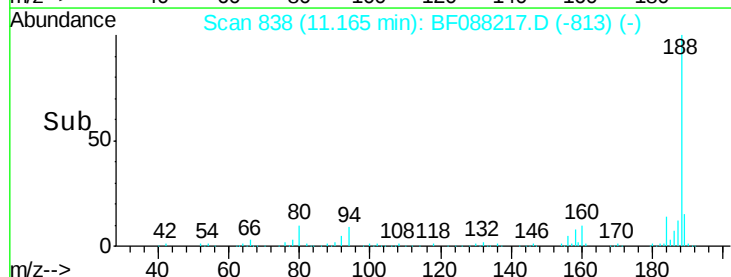
80 9.6 10.0 15.0#

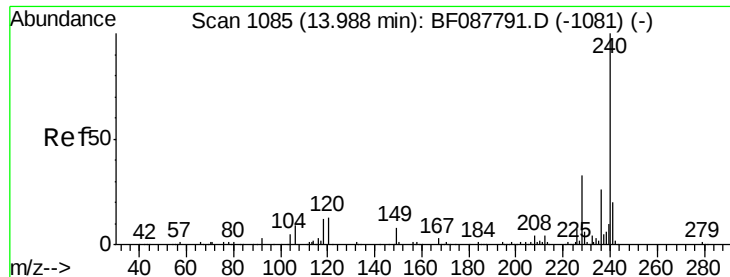


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

Instrument :

BNA\_F

ClientSampleId :

08-B6(0-8)C

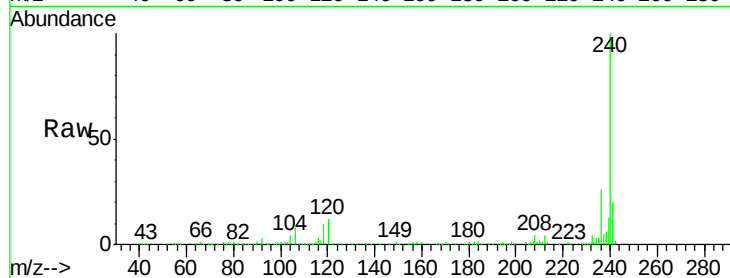
Tot Ion:240 Resp: 277330

Ion Ratio Lower Upper

240 100

120 11.8 6.8 10.2#

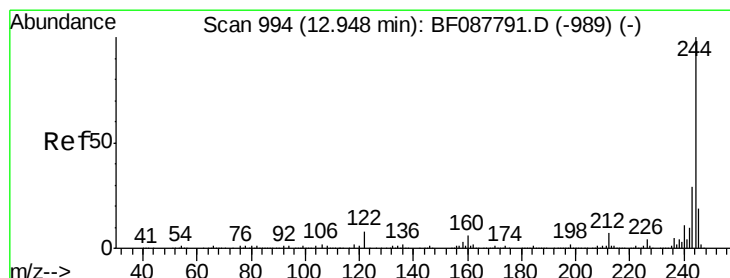
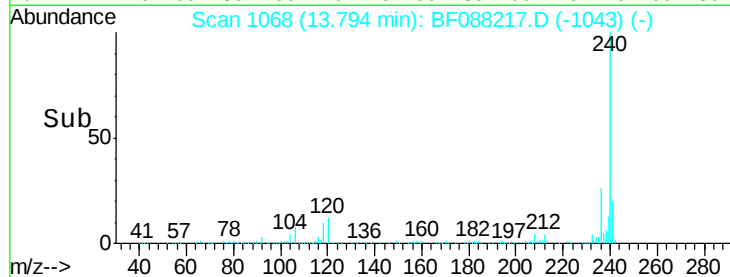
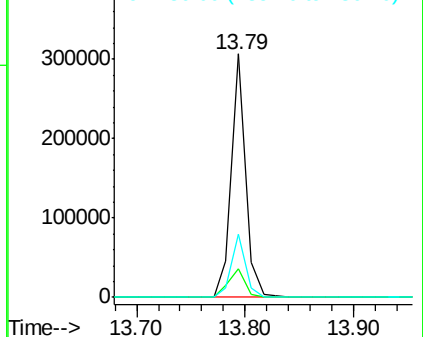
236 25.7 20.2 30.2



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: 64.38 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088217.D

Acq: 21 Jun 2016 17:19

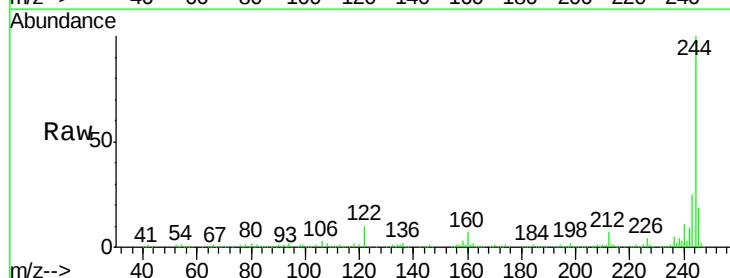
Tgt Ion:244 Resp: 784618

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

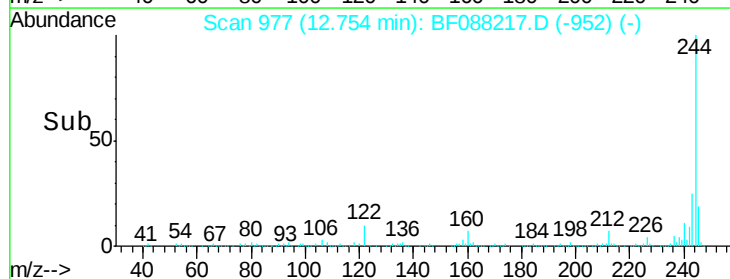
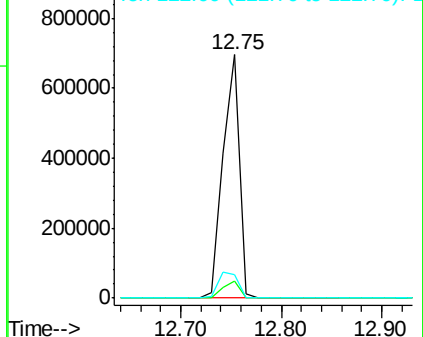
122 9.9 11.2 16.8#

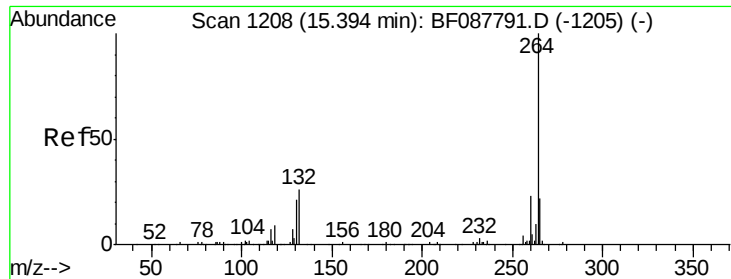


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF088217.D  
 Acq: 21 Jun 2016 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 08-B6(0-8)C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 22.1  | 16.9  | 25.3  |

