

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\  
 Data File : BF086062.D  
 Acq On : 5 Apr 2016 4:12  
 Operator : UM/SJ  
 Sample : H2111-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-29COMP(0.5-15.0)

Quant Time: Apr 05 05:03:47 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

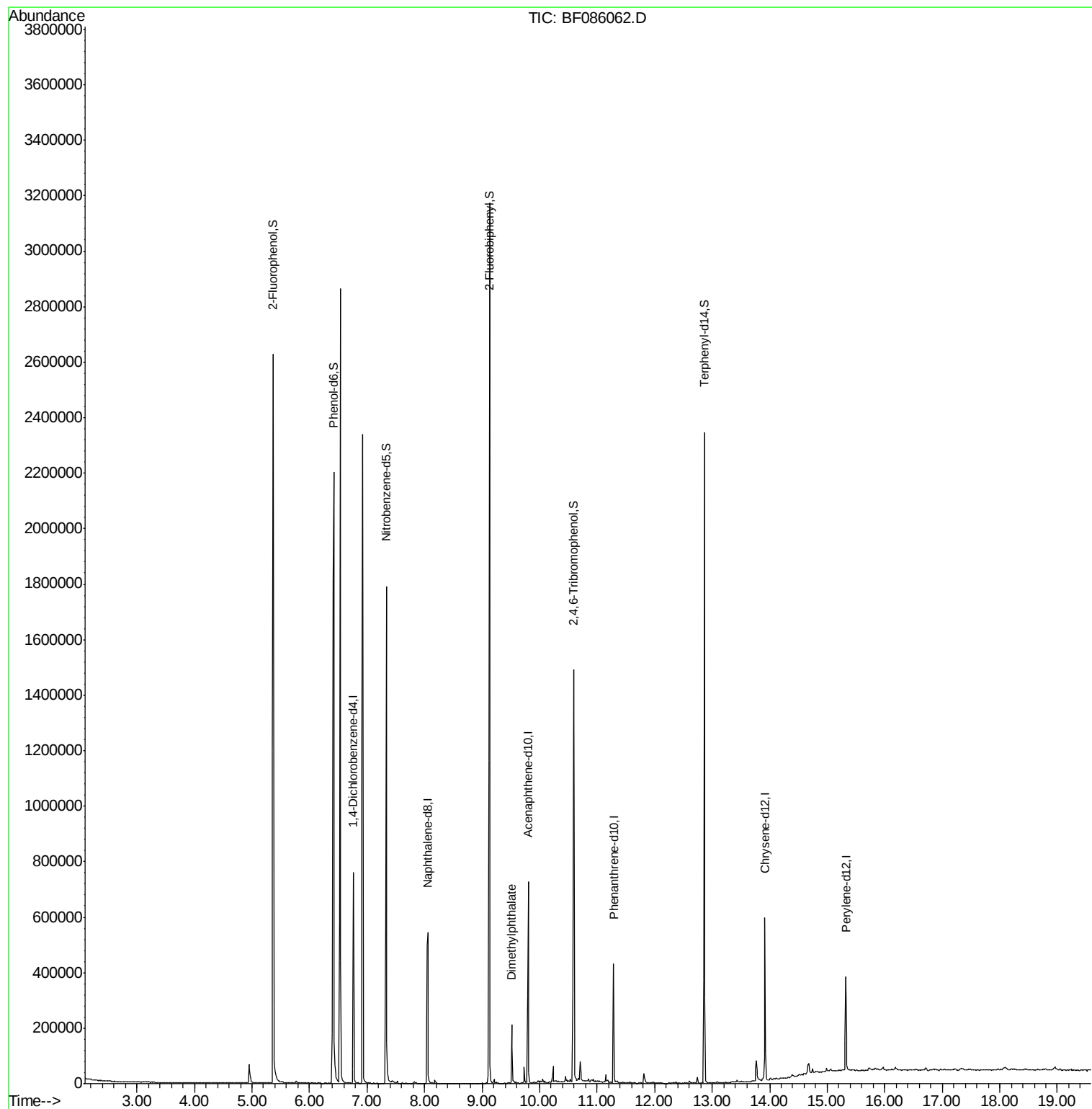
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 112383   | 20.00  | ng    | -0.01         |
| 21) Naphthalene-d8          | 8.05  | 136  | 383932   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.80  | 164  | 159344   | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 11.29 | 188  | 243509   | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 13.92 | 240  | 190418   | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 15.32 | 264  | 136832   | 20.00  | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.37  | 112  | 909958   | 138.40 | ng    | 0.00          |
| 7) Phenol-d6                | 6.42  | 99   | 1177010  | 140.94 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 633914   | 97.37  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 167923   | 112.28 | ng    | -0.01         |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1037222  | 108.23 | ng    | -0.01         |
| 78) Terphenyl-d14           | 12.87 | 244  | 681779   | 84.16  | ng    | -0.01         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.52  | 163  | 106102   | 8.98   | ng    | Qvalue<br>100 |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-29COMP(0.5-15.0)

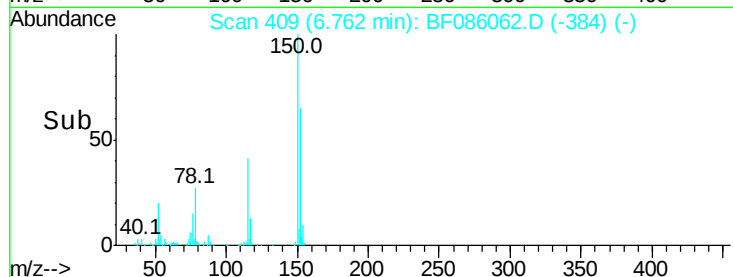
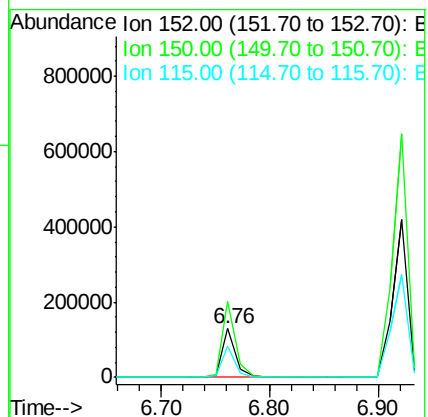
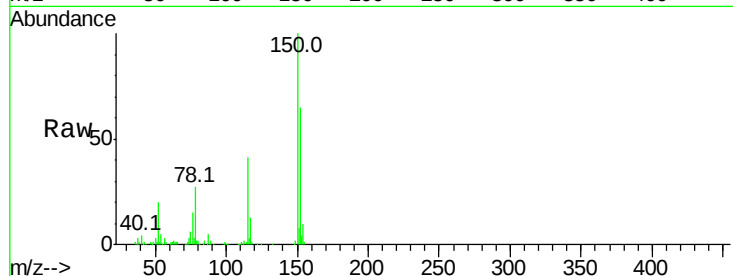
Tot Ion:152 Resp: 112383

Ion Ratio Lower Upper

152 100

150 155.0 124.2 186.2

115 63.9 47.0 70.6



#5

2-Fluorophenol

Concen: 138.40 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

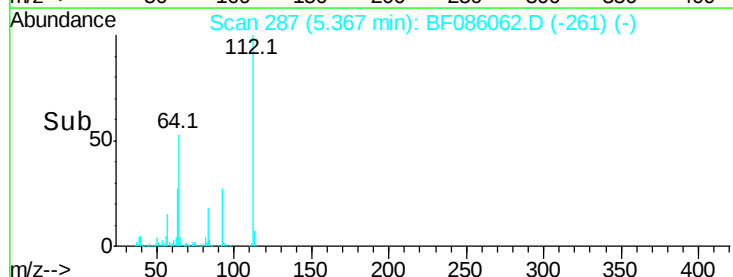
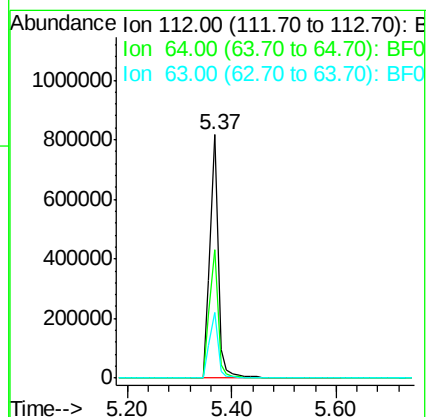
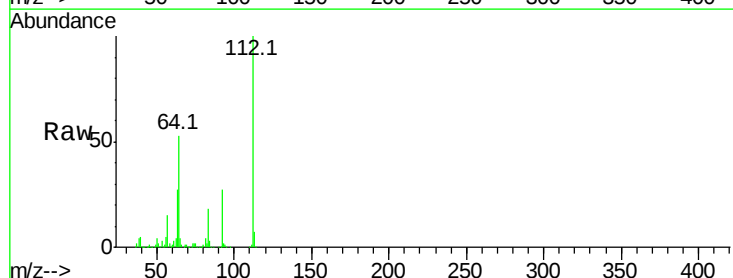
Tgt Ion:112 Resp: 909958

Ion Ratio Lower Upper

112 100

64 52.8 39.9 59.9

63 26.8 20.2 30.2





#7

Phenol-d6

Concen: 140.94 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

Instrument :

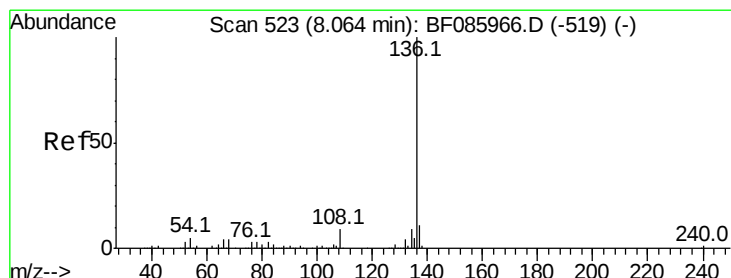
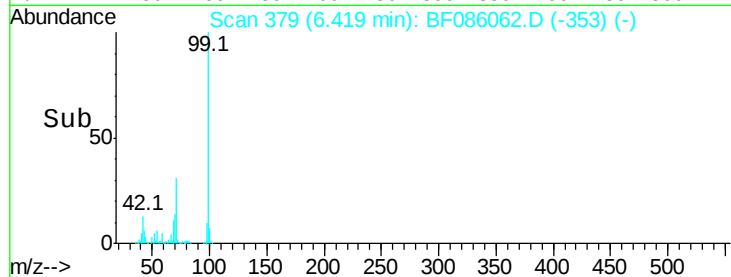
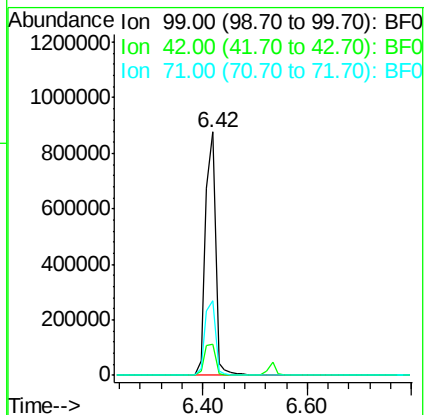
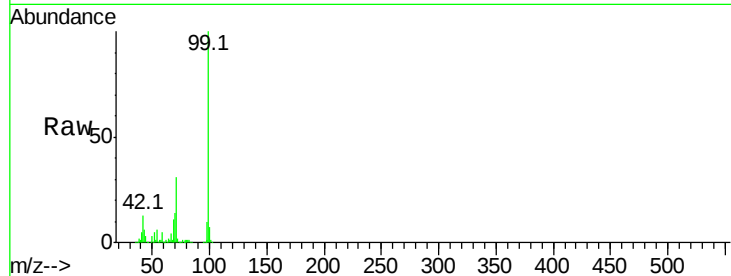
BNA\_F

ClientSampleId :

AMBOY-SB-29COMP(0.5-15.0)

Tot Ion: 99 Resp: 1177010

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.8  | 11.1  | 16.7  |
| 71  | 30.7  | 24.9  | 37.3  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

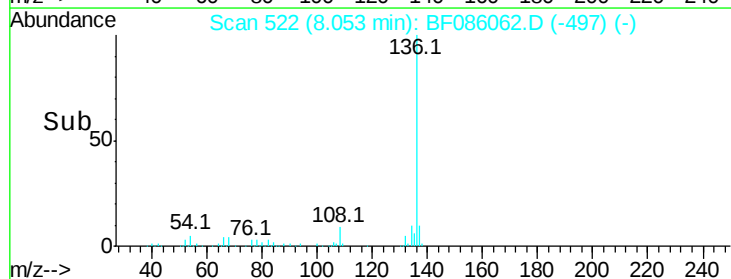
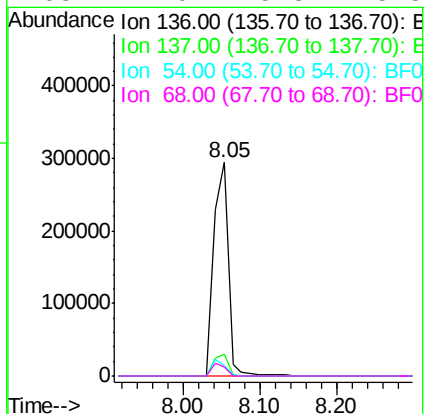
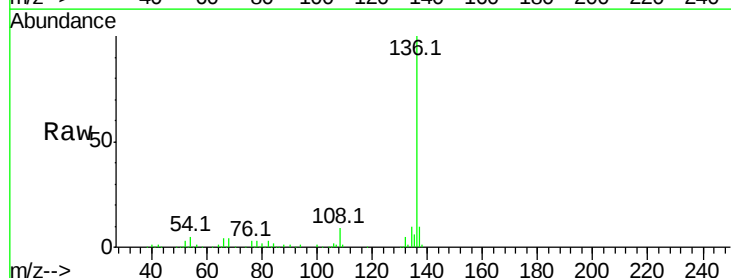
Delta R.T. -0.01 min

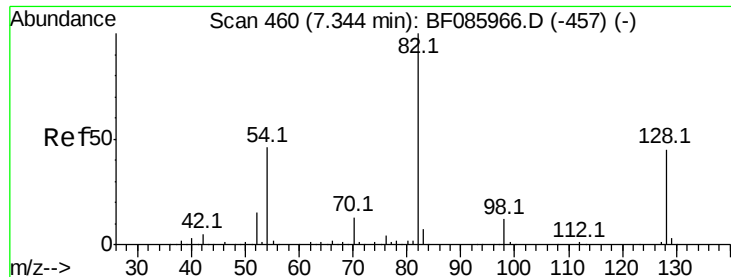
Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

Tgt Ion: 136 Resp: 383932

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 9.1   | 13.7  |
| 54  | 4.7   | 7.4   | 11.0# |
| 68  | 4.0   | 5.8   | 8.8#  |

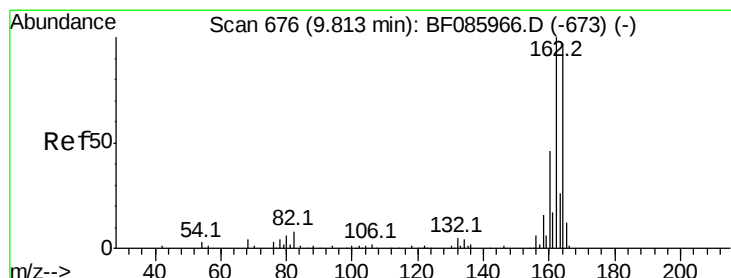
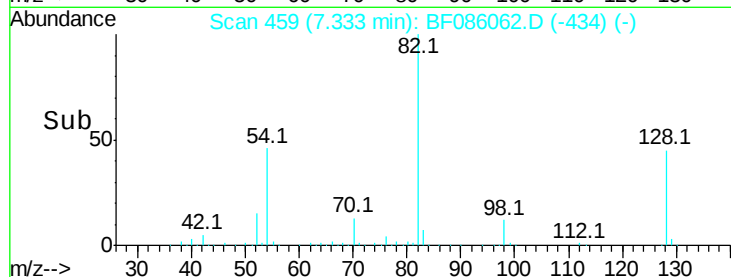
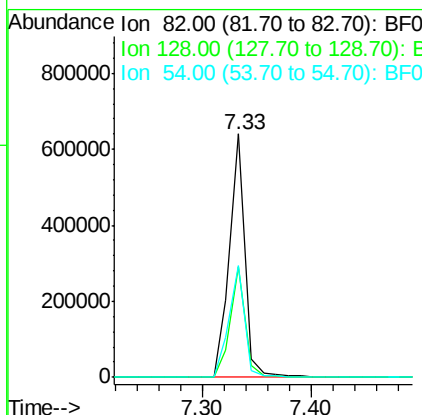
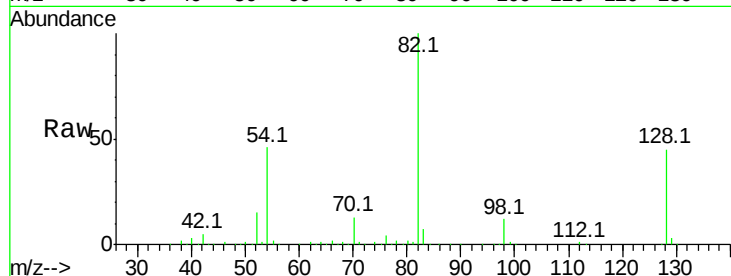




#23  
 Nitrobenzene-d5  
 Concen: 97.37 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF086062.D  
 Acq: 5 Apr 2016 4:12

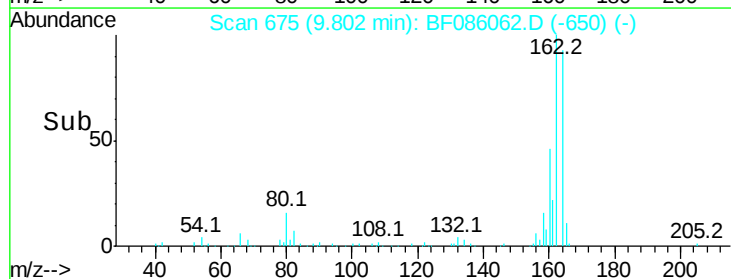
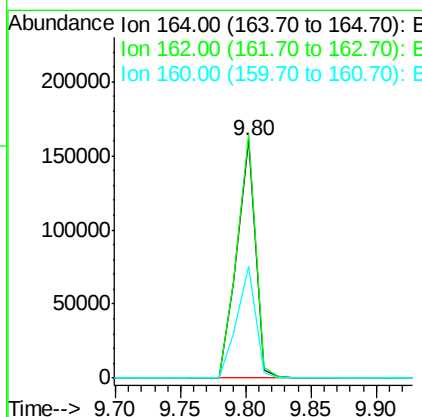
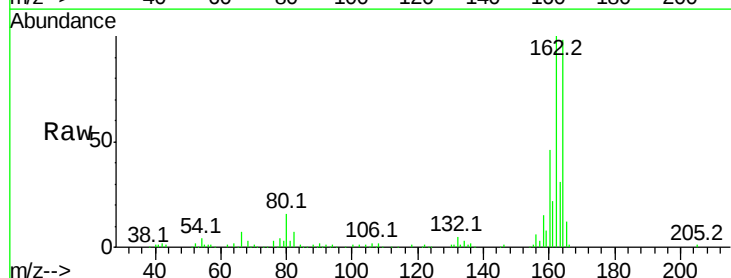
Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-29COMP(0.5-15.0)

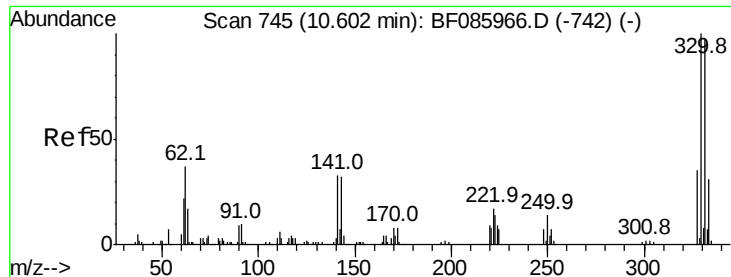
Tot Ion: 82 Resp: 633914  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 41.8 62.8  
 54 45.7 33.4 50.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.01 min  
 Lab File: BF086062.D  
 Acq: 5 Apr 2016 4:12

Tgt Ion:164 Resp: 159344  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 82.1 123.1  
 160 46.8 37.4 56.2

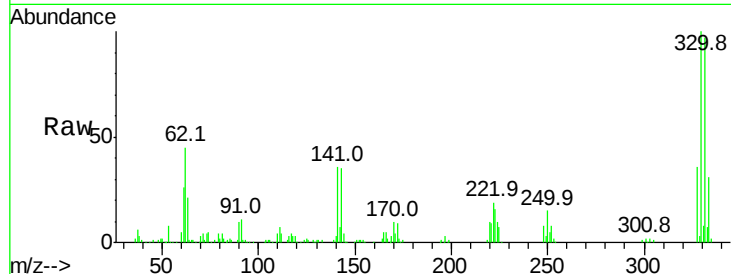




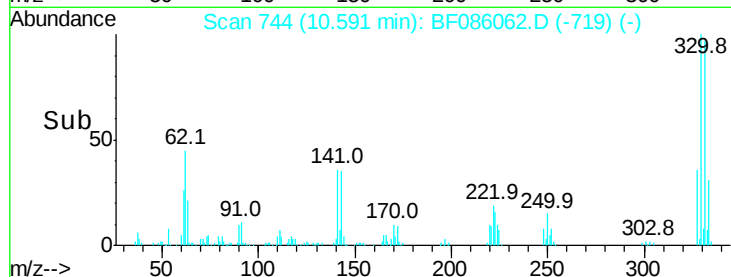
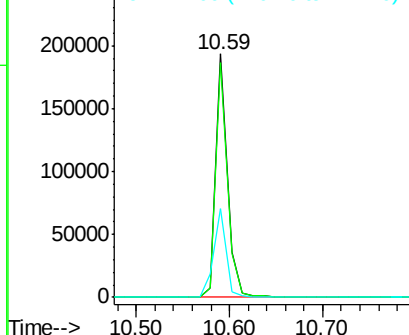
#41  
 2,4,6-Tribromophenol  
 Concen: 112.28 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF086062.D  
 Acq: 5 Apr 2016 4:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-29COMP(0.5-15.0)

Tot Ion:330 Resp: 167923  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 78.2 117.2  
 141 39.7 31.5 47.3

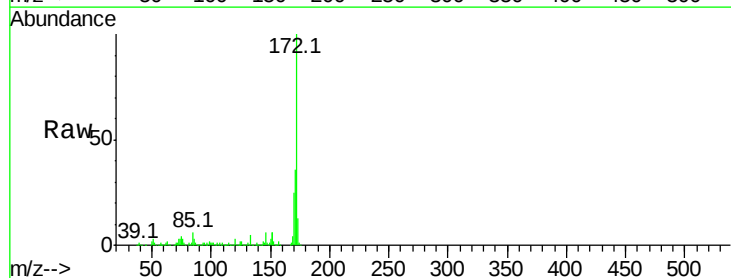


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

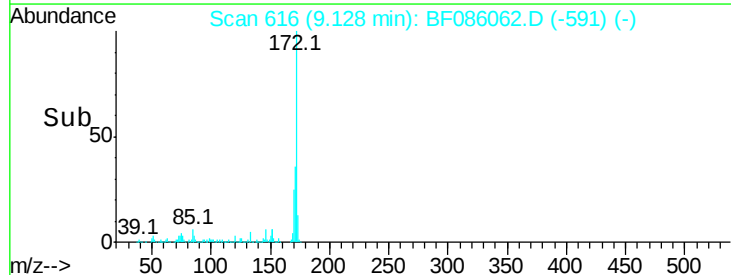
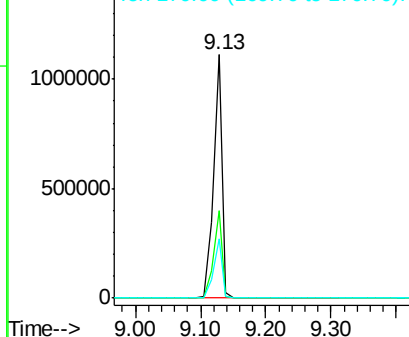


#44  
 2-Fluorobiphenyl  
 Concen: 108.23 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF086062.D  
 Acq: 5 Apr 2016 4:12

Tgt Ion:172 Resp: 1037222  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.4 44.2  
 170 24.5 19.8 29.6



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: 8.98 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.02 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-29COMP(0.5-15.0)

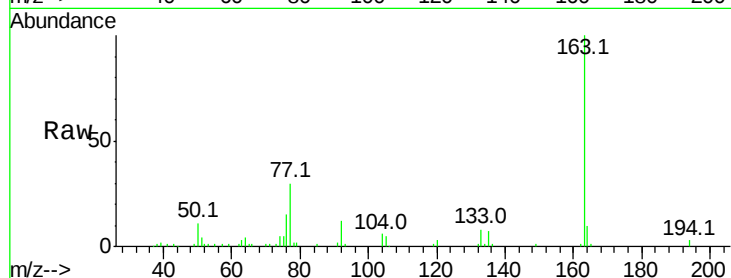
Tot Ion:163 Resp: 106102

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

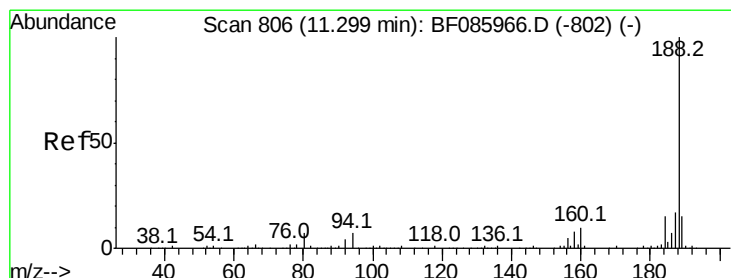
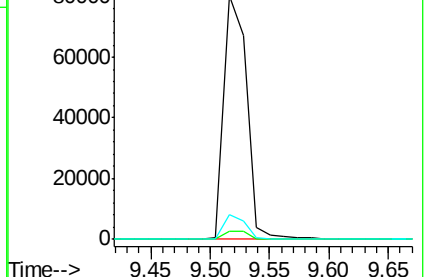
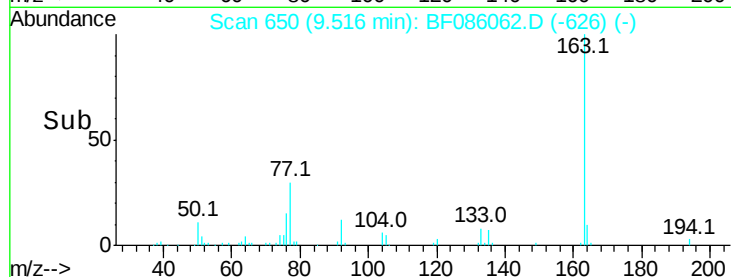
164 10.3 8.3 12.5



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: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

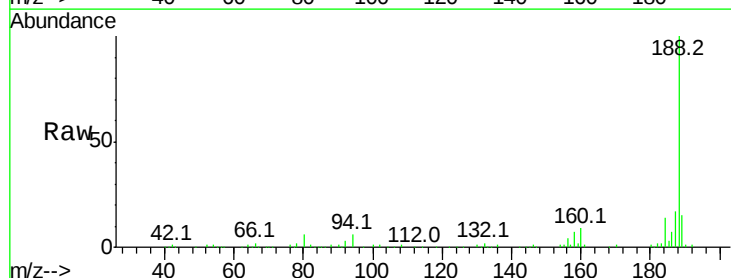
Tgt Ion:188 Resp: 243509

Ion Ratio Lower Upper

188 100

94 6.1 5.4 8.0

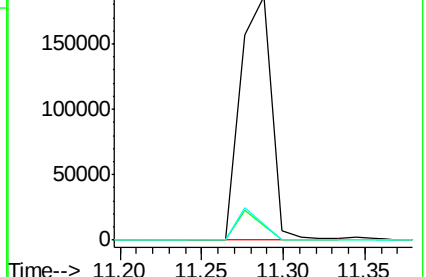
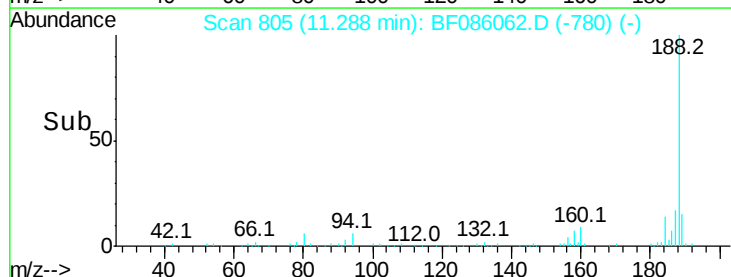
80 6.2 5.5 8.3

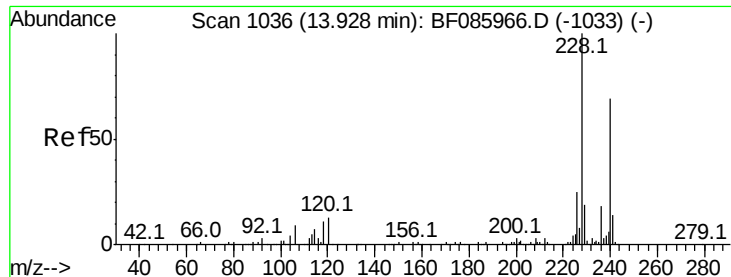


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-29COMP(0.5-15.0)

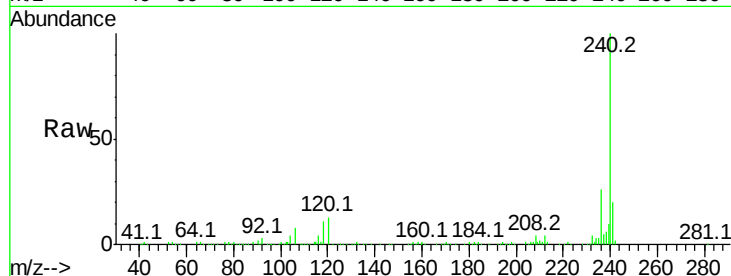
Tot Ion:240 Resp: 190418

Ion Ratio Lower Upper

240 100

120 12.5 13.8 20.8#

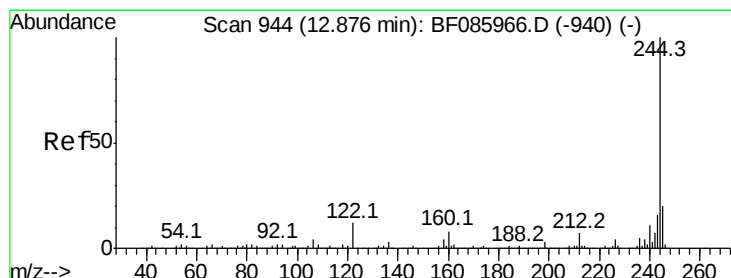
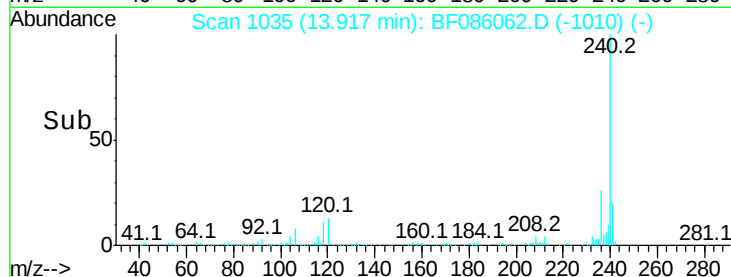
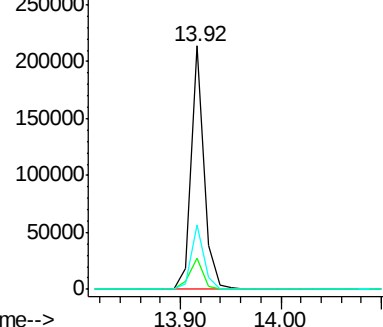
236 26.2 20.6 30.8



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: 84.16 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086062.D

Acq: 5 Apr 2016 4:12

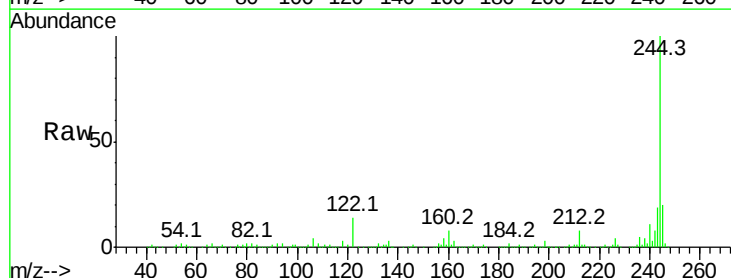
Tgt Ion:244 Resp: 681779

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

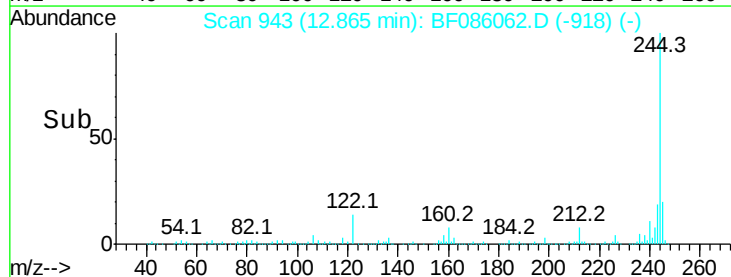
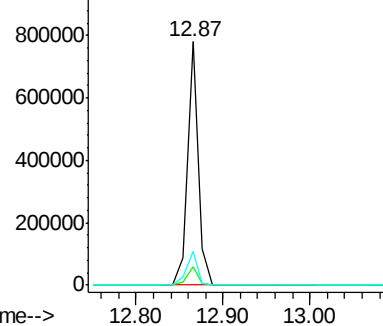
122 13.7 10.2 15.4

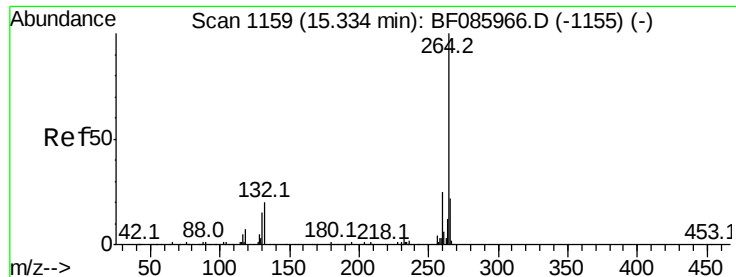


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.32 min Scan# 1158  
 Delta R.T. -0.01 min  
 Lab File: BF086062.D  
 Acq: 5 Apr 2016 4:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.4  | 29.2  |
| 265     | 20.7  | 17.2  | 25.8  |

