

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090716\  
 Data File : BF090012.D  
 Acq On : 7 Sep 2016 18:39  
 Operator : UM/SJ  
 Sample : H4676-21  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP56

Quant Time: Sep 08 07:16:29 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

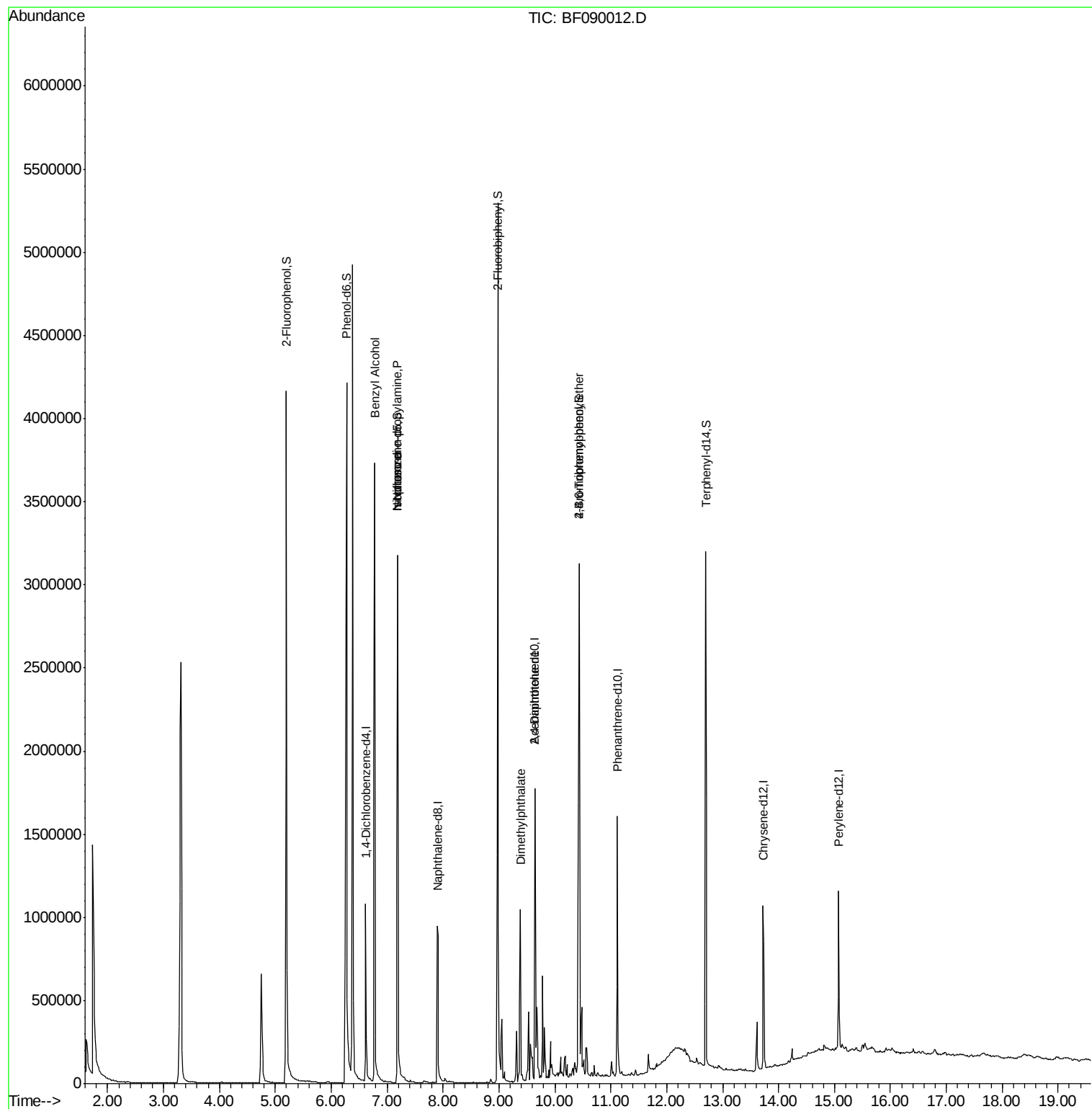
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.62  | 152  | 192814   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.91  | 136  | 759446   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 384616   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.12 | 188  | 674513   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.73 | 240  | 465780   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.07 | 264  | 397876   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1561438  | 129.62 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.27  | 99   | 2258246  | 154.28 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 1270475  | 97.02  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.43 | 330  | 432603   | 114.01 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1910367  | 81.53  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.70 | 244  | 1243173  | 65.93  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.78  | 79   | 20022    | 2.18   | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70   | 170335   | 17.86  | ng    | # 83     |
| 25) Isophorone                 | 7.19  | 82   | 963155   | 36.17  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.38  | 163  | 553550   | 19.91  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.64  | 165  | 48959    | 6.24   | ng    | # 29     |
| 66) 4-Bromophenyl-phenylether  | 10.43 | 248  | 30086    | 4.43   | ng    | # 1      |

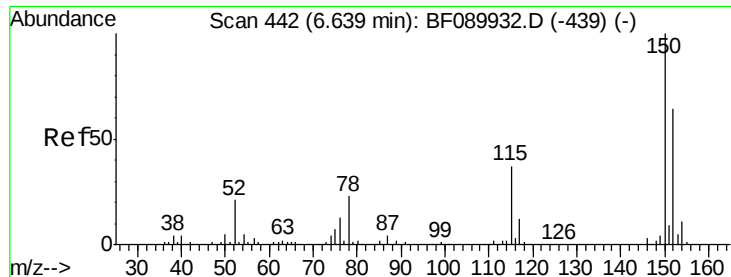
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 08 07:16:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 13:29:08 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

DFTPP56

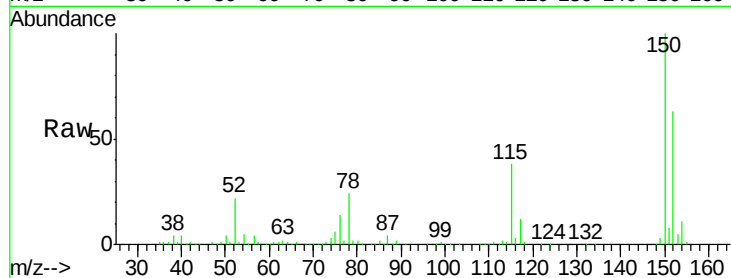
Tgt Ion:152 Resp: 192814

Ion Ratio Lower Upper

152 100

150 159.4 127.4 191.2

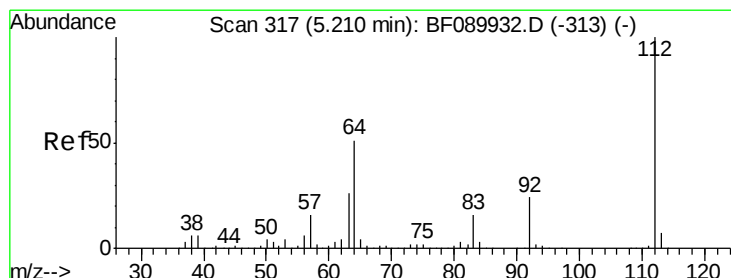
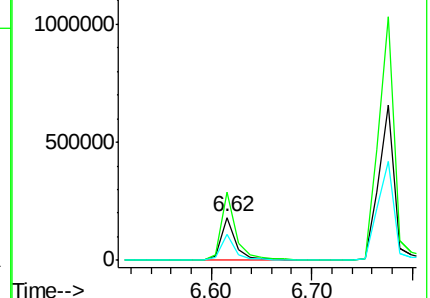
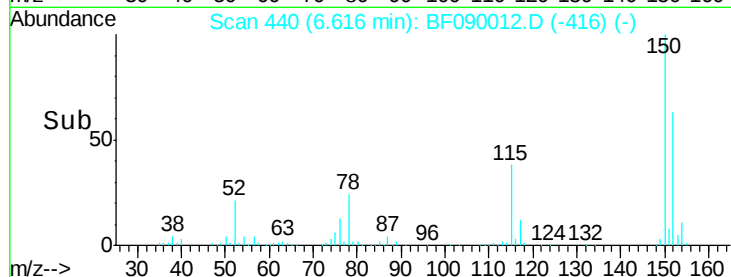
115 59.9 46.3 69.5



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: 129.62 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

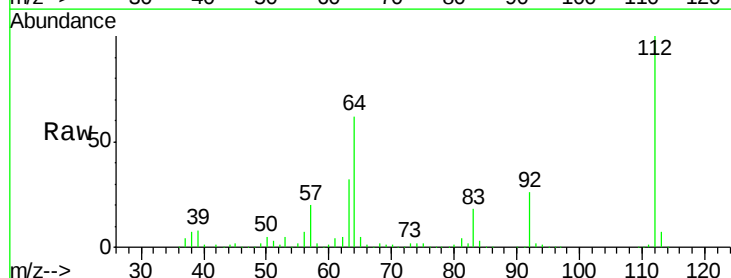
Tgt Ion:112 Resp: 1561438

Ion Ratio Lower Upper

112 100

64 61.5 41.1 61.7

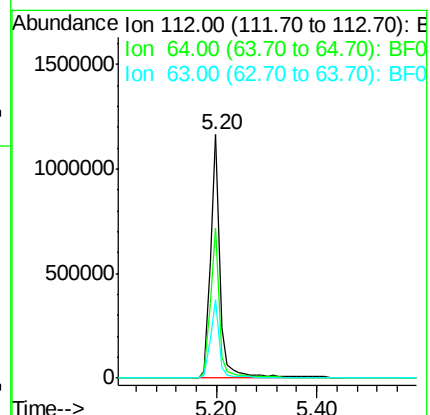
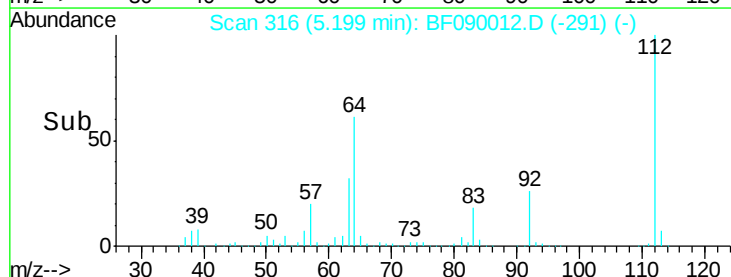
63 32.0 21.2 31.8#

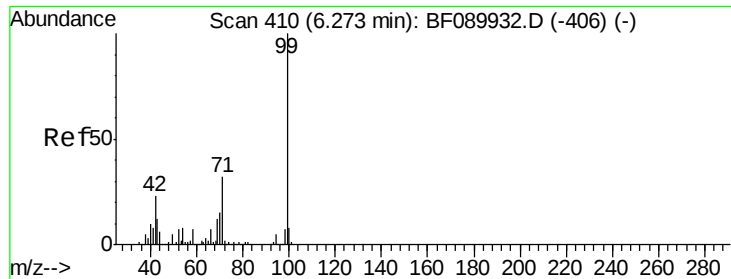


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 154.28 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

DFTPP56

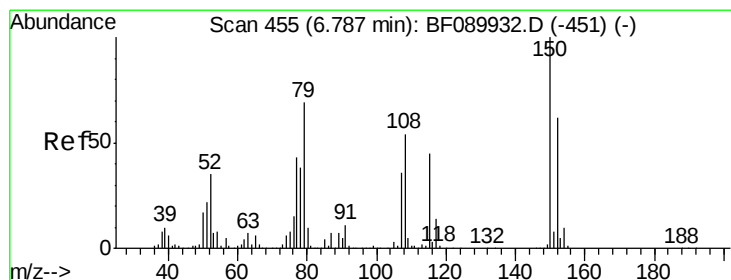
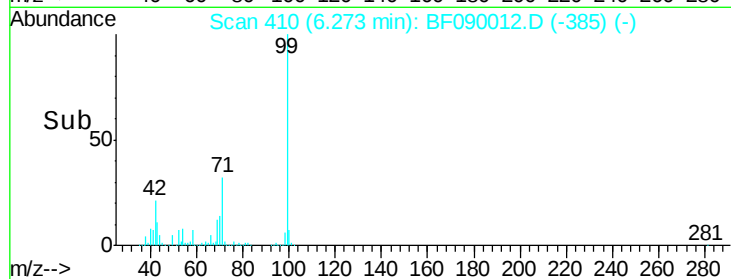
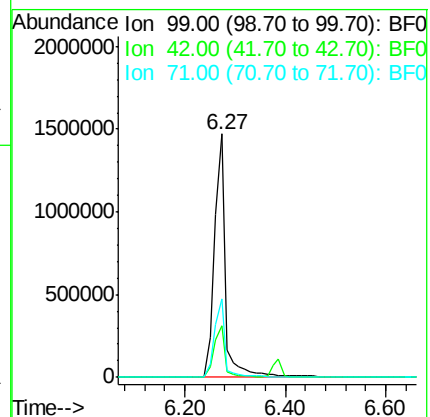
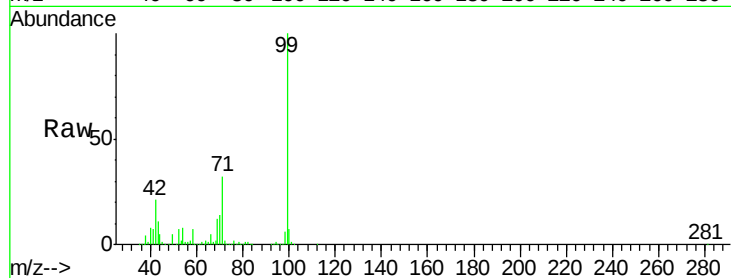
Tgt Ion: 99 Resp: 2258246

Ion Ratio Lower Upper

99 100

42 21.4 18.6 27.8

71 32.2 25.8 38.6



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

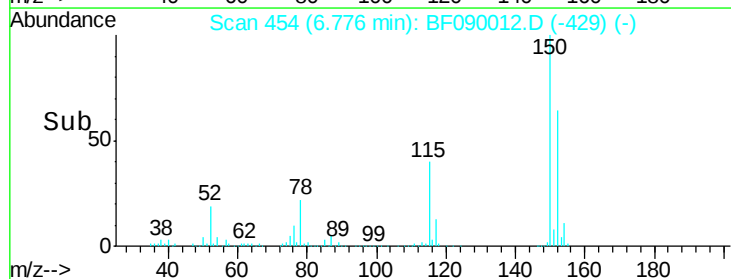
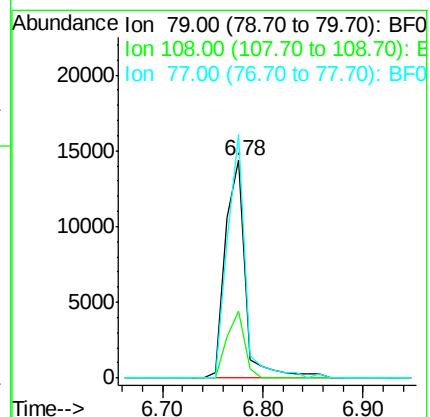
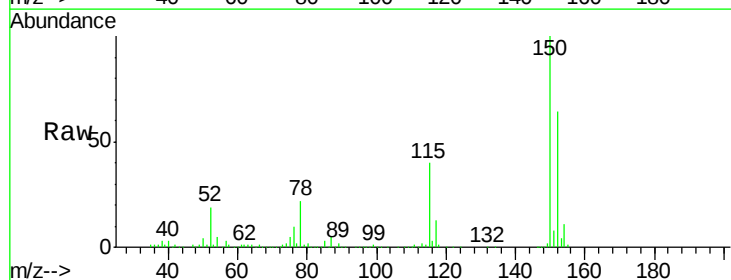
Tgt Ion: 79 Resp: 20022

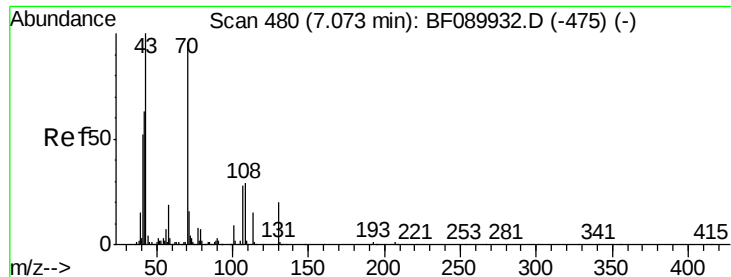
Ion Ratio Lower Upper

79 100

108 30.7 62.1 93.1#

77 111.9 50.1 75.1#

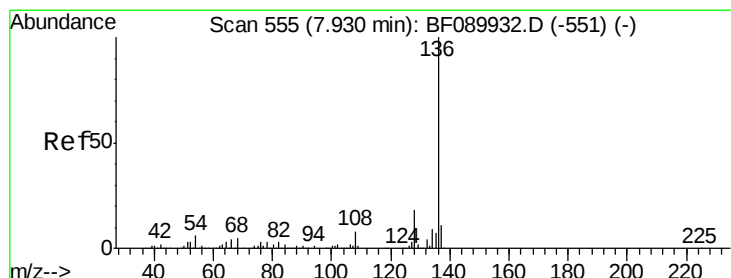
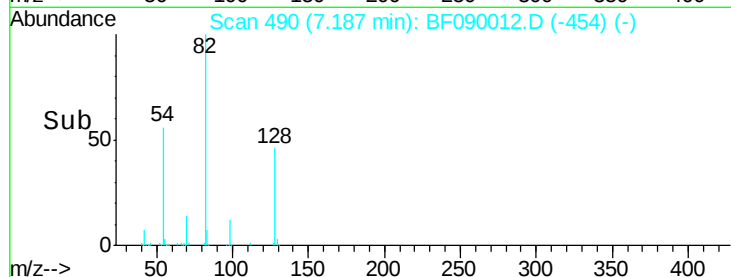
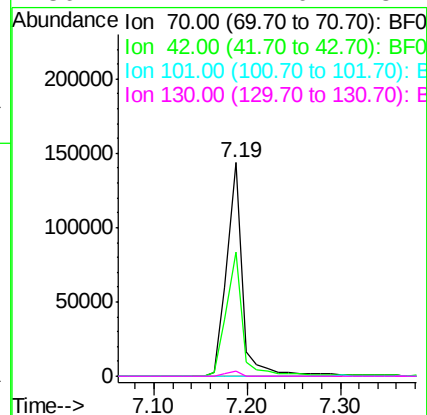
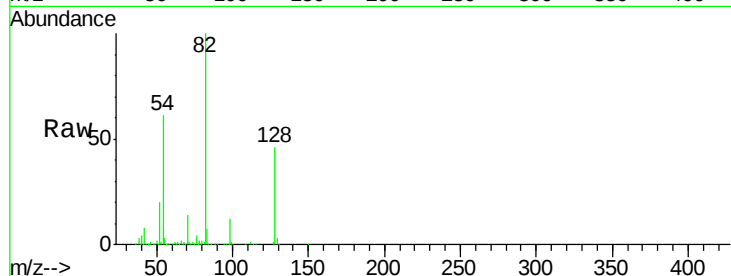




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.86 ng  
RT: 7.19 min Scan# 490  
Delta R.T. 0.11 min  
Lab File: BF090012.D  
Acq: 7 Sep 2016 18:39

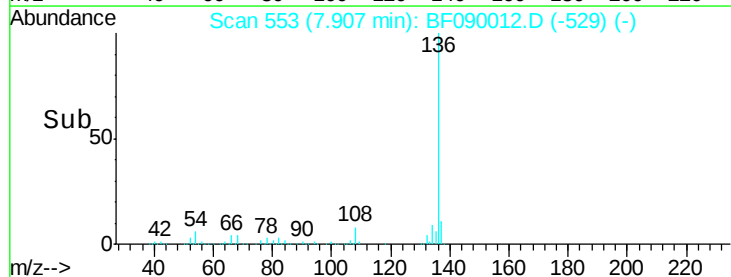
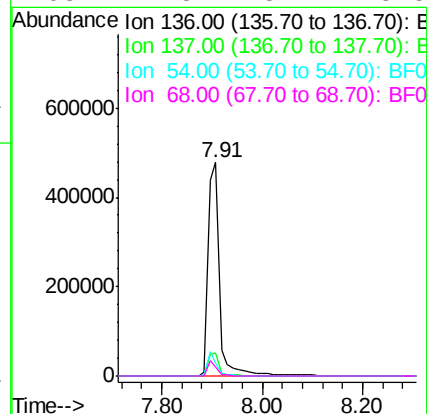
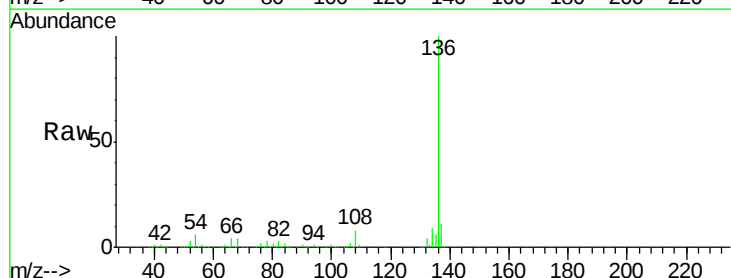
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP56

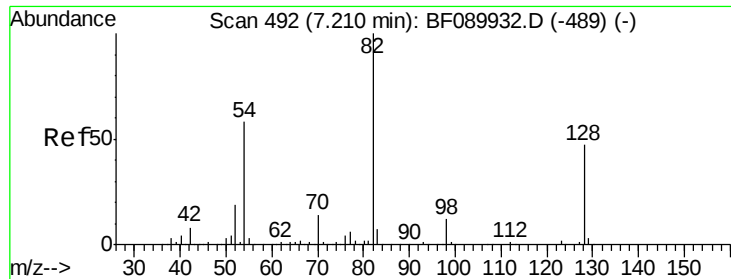
Tgt Ion: 70 Resp: 170335  
Ion Ratio Lower Upper  
70 100  
42 58.3 52.1 78.1  
101 0.0 7.4 11.2#  
130 2.4 17.0 25.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.91 min Scan# 553  
Delta R.T. -0.02 min  
Lab File: BF090012.D  
Acq: 7 Sep 2016 18:39

Tgt Ion: 136 Resp: 759446  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.3 12.5  
54 6.2 4.8 7.2  
68 4.3 3.7 5.5

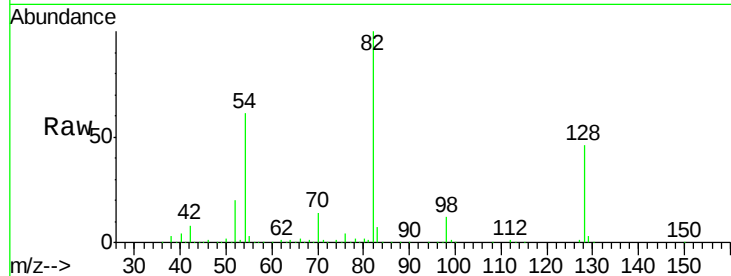




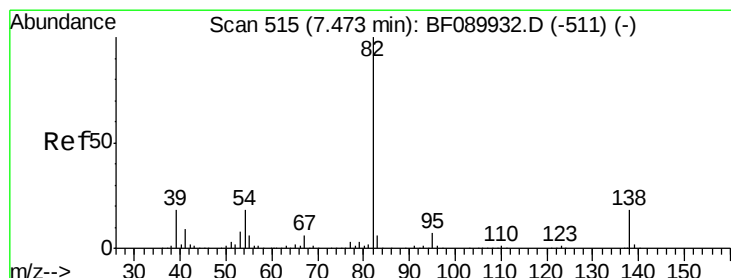
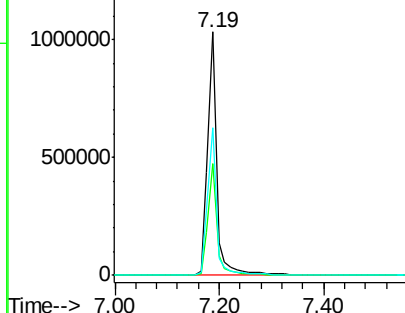
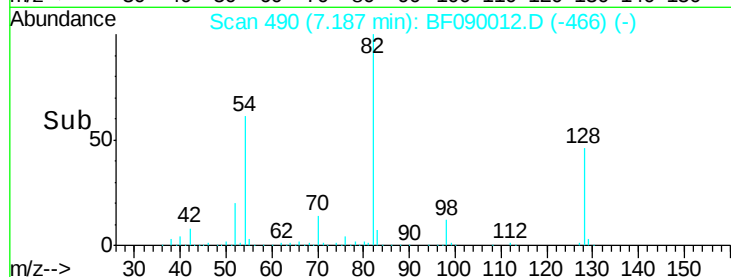
#23  
Nitrobenzene-d5  
Concen: 97.02 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.02 min  
Lab File: BF090012.D  
Acq: 7 Sep 2016 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP56

Tgt Ion: 82 Resp: 1270475  
Ion Ratio Lower Upper  
82 100  
128 45.7 37.8 56.8  
54 60.6 46.9 70.3

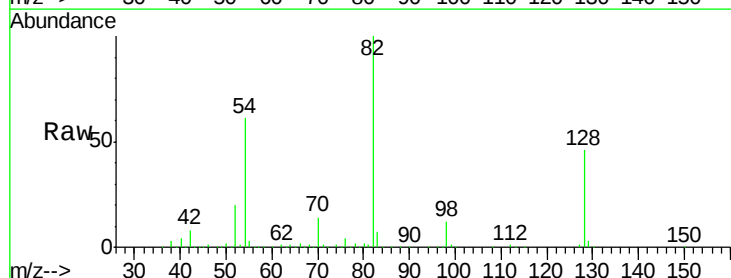


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

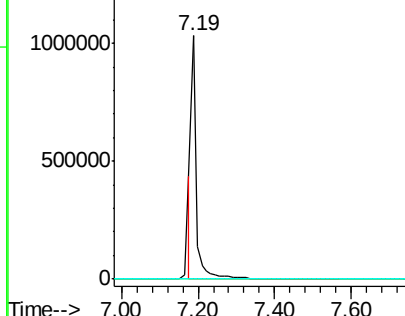
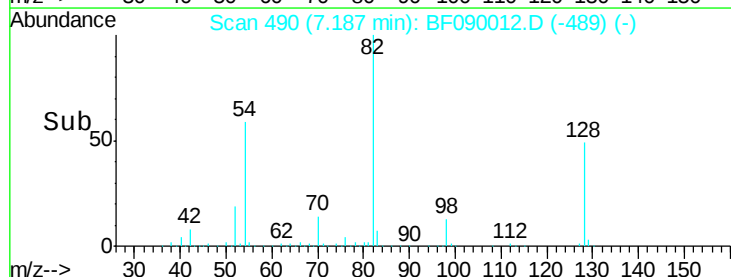


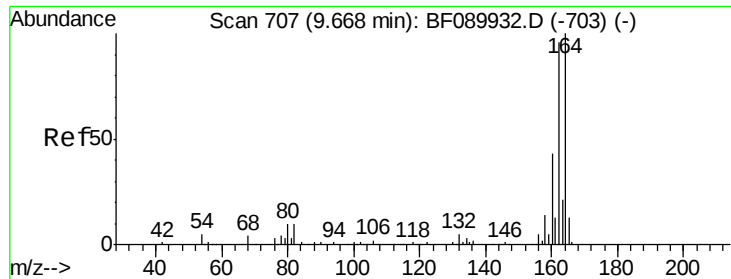
#25  
Isophorone  
Concen: 36.17 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.29 min  
Lab File: BF090012.D  
Acq: 7 Sep 2016 18:39

Tgt Ion: 82 Resp: 963155  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

DFTPP56

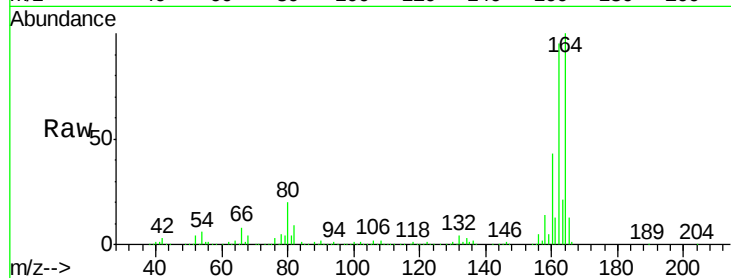
Tgt Ion:164 Resp: 384616

Ion Ratio Lower Upper

164 100

162 94.7 77.1 115.7

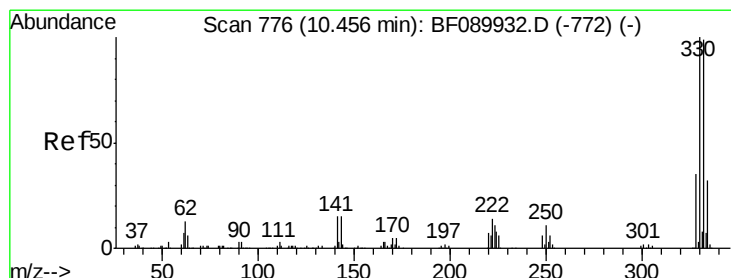
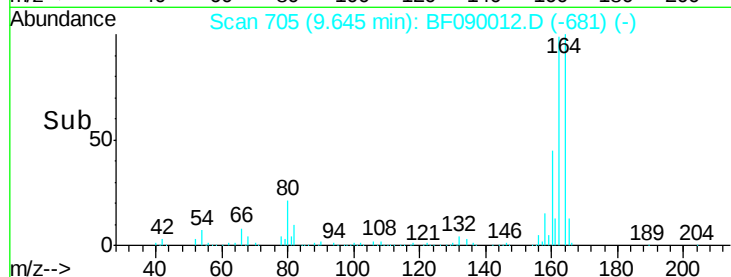
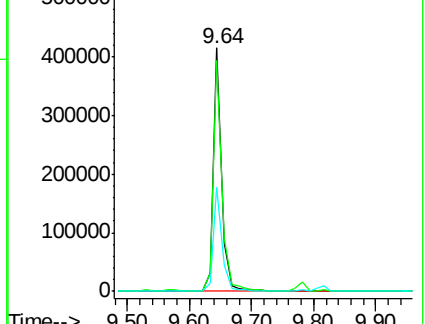
160 42.8 35.3 52.9



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: 114.01 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

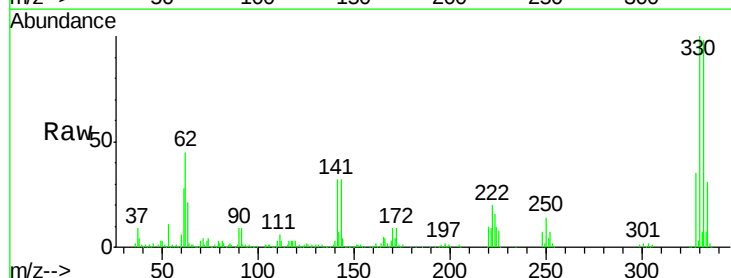
Tgt Ion:330 Resp: 432603

Ion Ratio Lower Upper

330 100

332 97.2 78.6 117.8

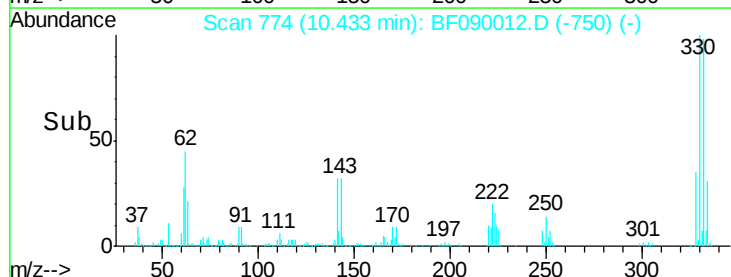
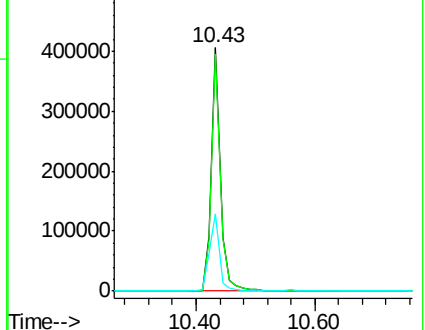
141 35.0 23.3 34.9#

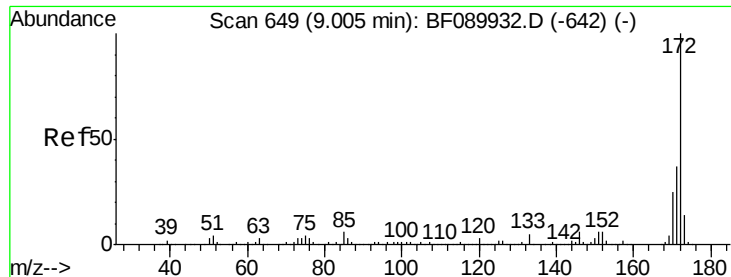


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

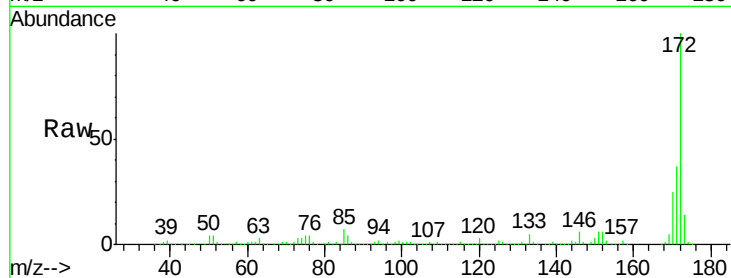




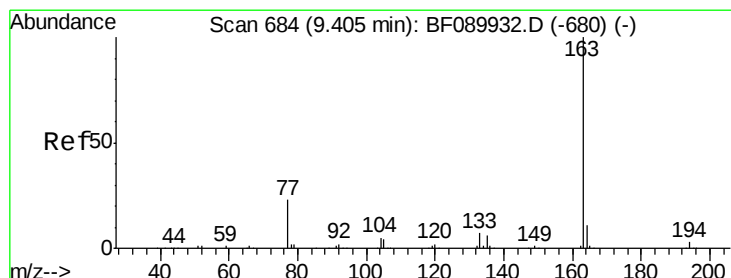
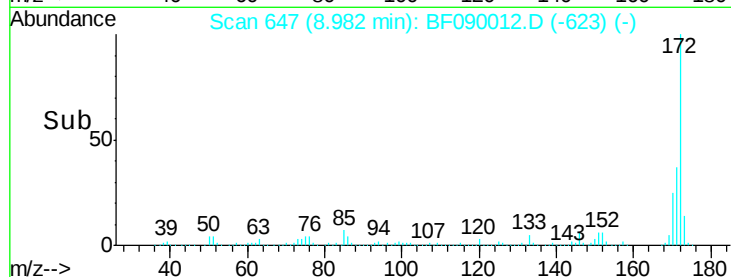
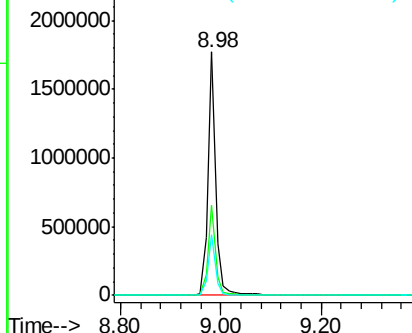
#44  
 2-Fluorobiphenyl  
 Concen: 81.53 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.02 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

Instrument :  
 BNA\_F  
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 DFTPP56

Tgt Ion:172 Resp: 1910367  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.4 44.2  
 170 25.1 20.1 30.1

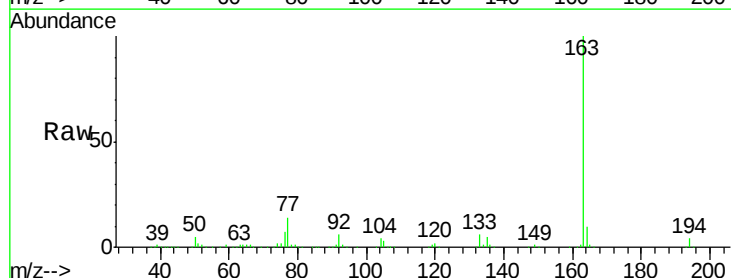


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

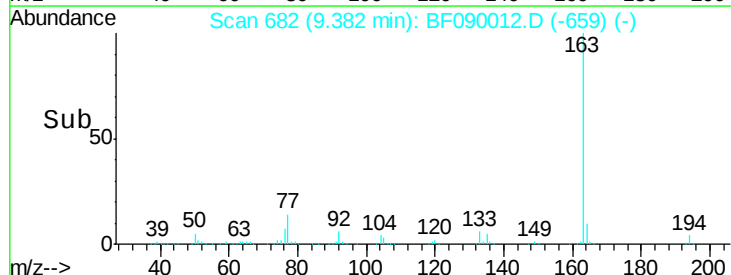
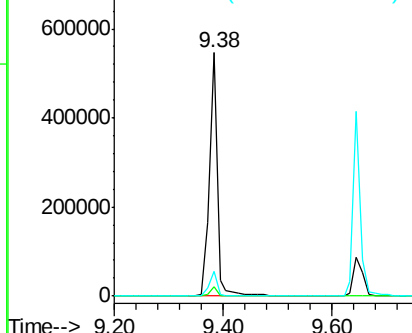


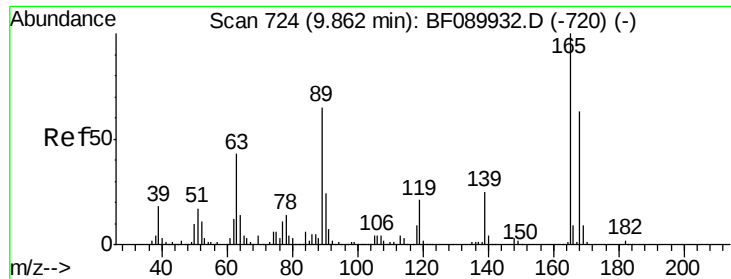
#49  
 Dimethylphthalate  
 Concen: 19.91 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.03 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

Tgt Ion:163 Resp: 553550  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.7 4.1  
 164 10.4 9.0 13.4



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

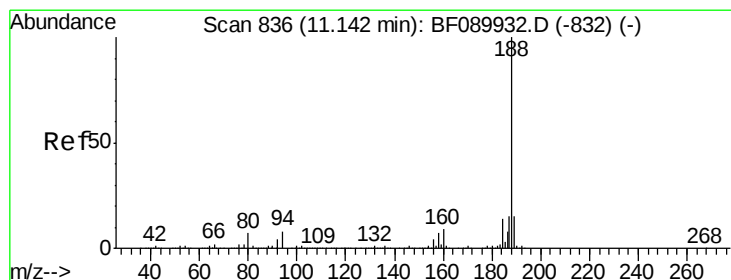
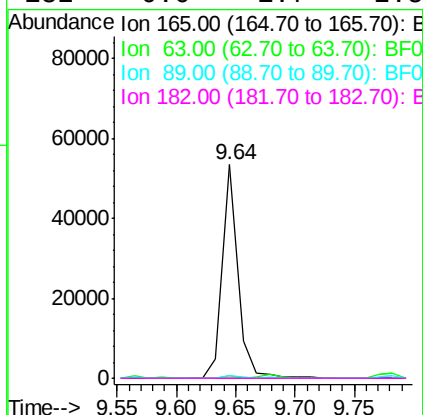
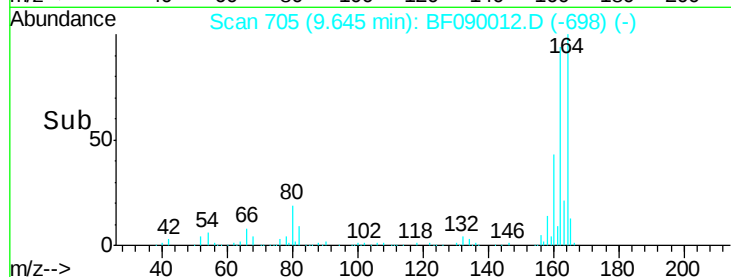
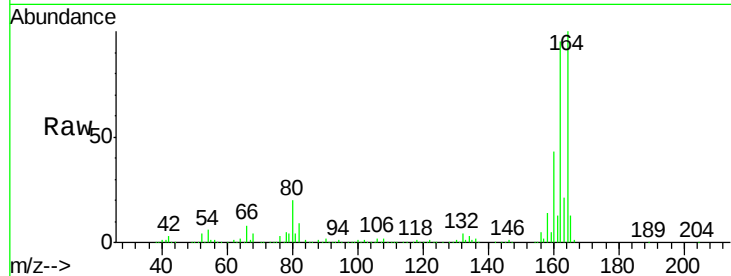




#56  
 2,4-Dinitrotoluene  
 Concen: 6.24 ng  
 RT: 9.64 min Scan# 705  
 Delta R.T. -0.22 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

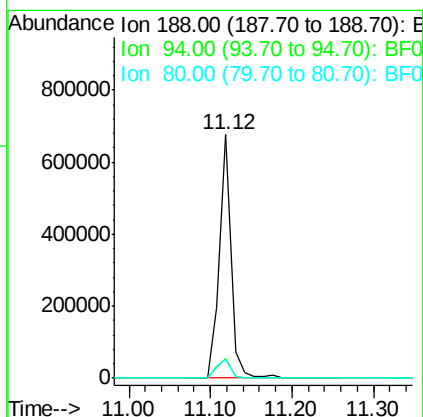
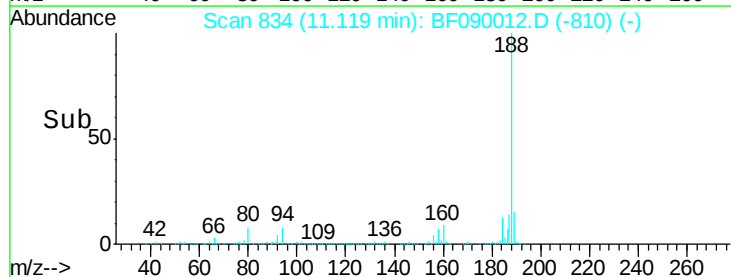
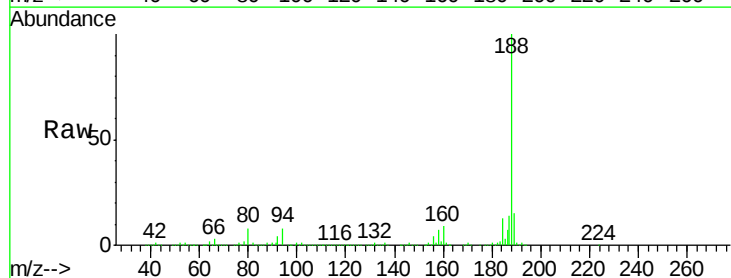
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP56

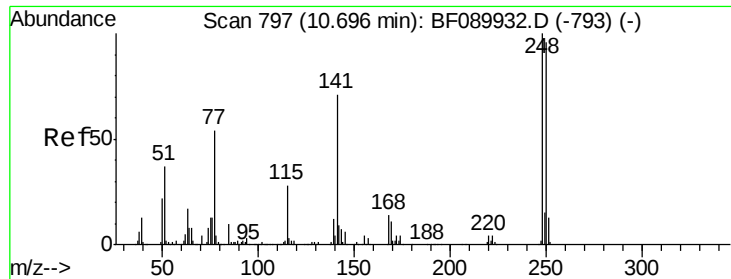
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 32.5  | 48.7# |
| 89      | 1.3   | 48.3  | 72.5# |
| 182     | 0.0   | 1.7   | 2.5#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.12 min Scan# 834  
 Delta R.T. -0.02 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 5.9   | 8.9   |
| 80      | 7.7   | 5.8   | 8.8   |

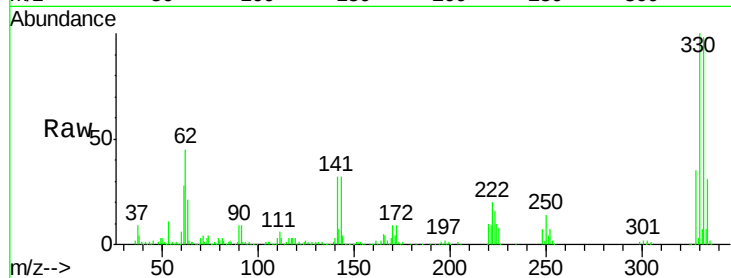




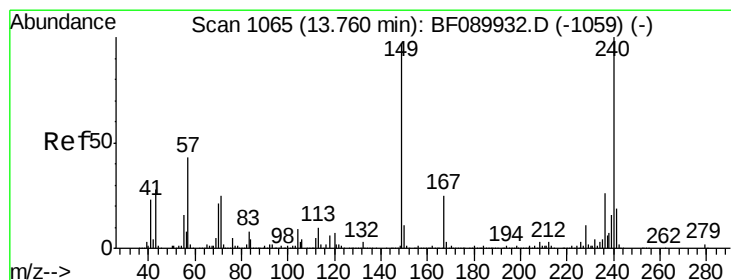
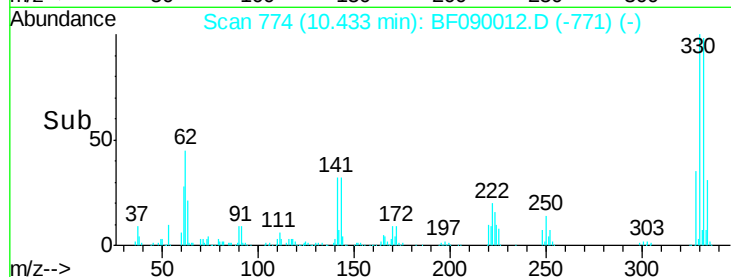
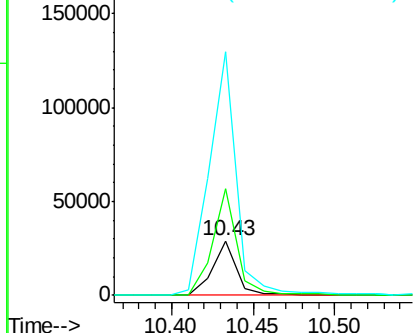
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.43 ng  
 RT: 10.43 min Scan# 774  
 Delta R.T. -0.26 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP56

Tgt Ion:248 Resp: 30086  
 Ion Ratio Lower Upper  
 248 100  
 250 197.6 77.3 115.9#  
 141 448.9 55.8 83.8#

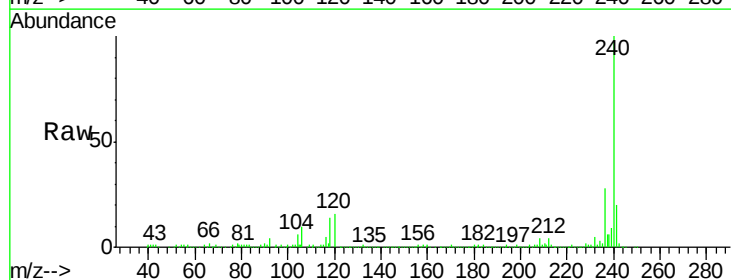


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

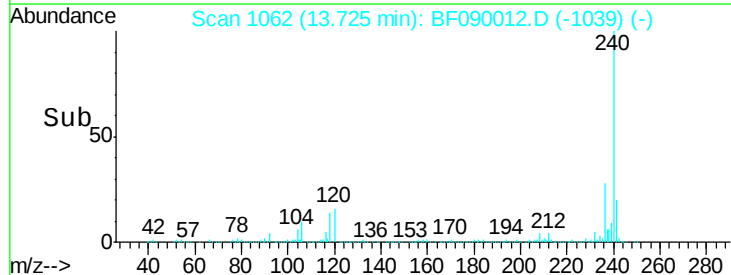
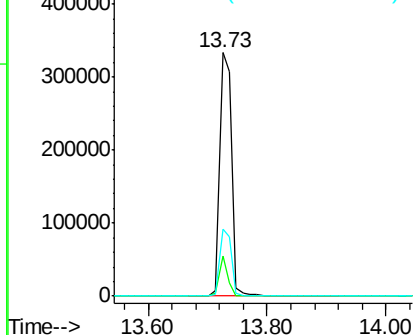


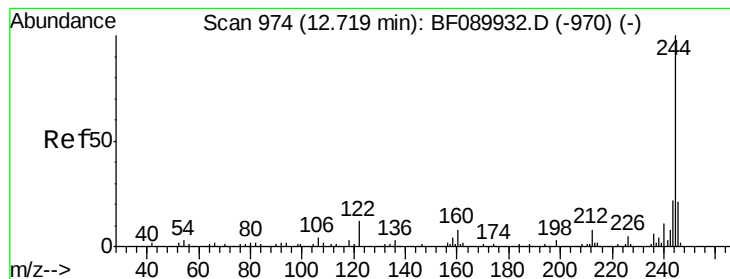
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.73 min Scan# 1062  
 Delta R.T. -0.03 min  
 Lab File: BF090012.D  
 Acq: 7 Sep 2016 18:39

Tgt Ion:240 Resp: 465780  
 Ion Ratio Lower Upper  
 240 100  
 120 16.4 5.7 8.5#  
 236 27.5 21.3 31.9



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: 65.93 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

DFTPP56

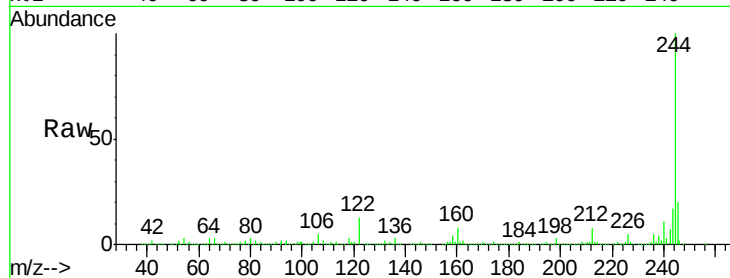
Tgt Ion:244 Resp: 1243173

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

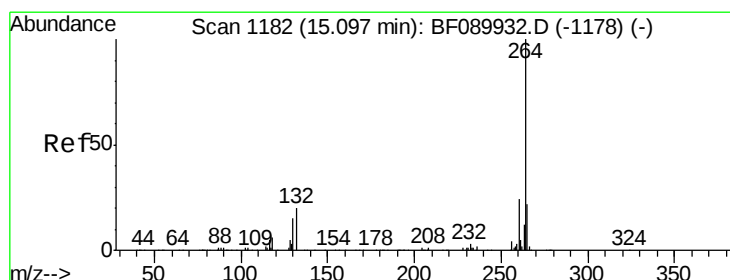
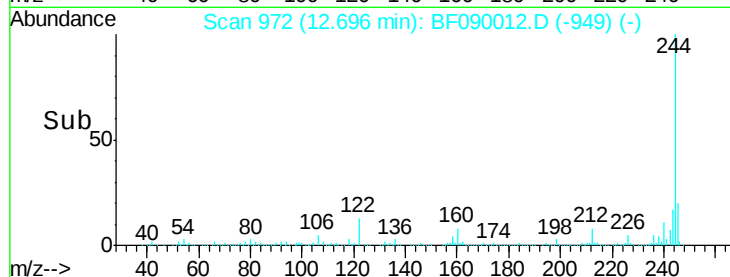
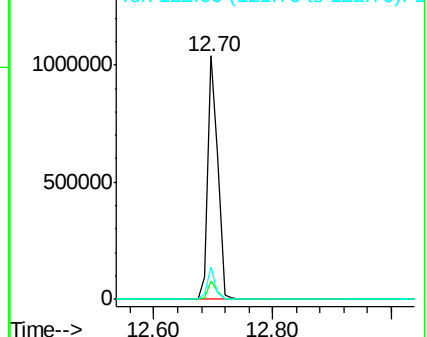
122 13.4 9.6 14.4



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: 20.00 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BF090012.D

Acq: 7 Sep 2016 18:39

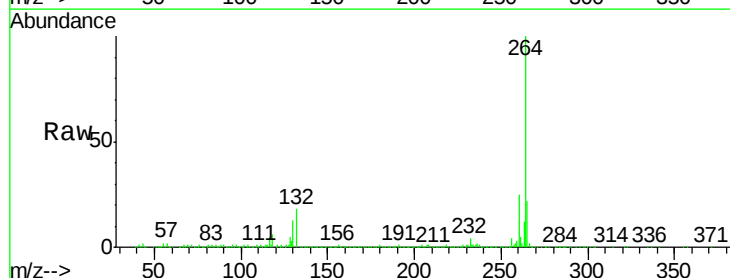
Tgt Ion:264 Resp: 397876

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.0

265 21.6 17.4 26.2



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

