

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100416\  
 Data File : BF090352.D  
 Acq On : 4 Oct 2016 20:01  
 Operator : UM/SJ  
 Sample : PB93778BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93778BL

Quant Time: Oct 05 01:14:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF100416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 04 14:16:07 2016  
 Response via : Initial Calibration

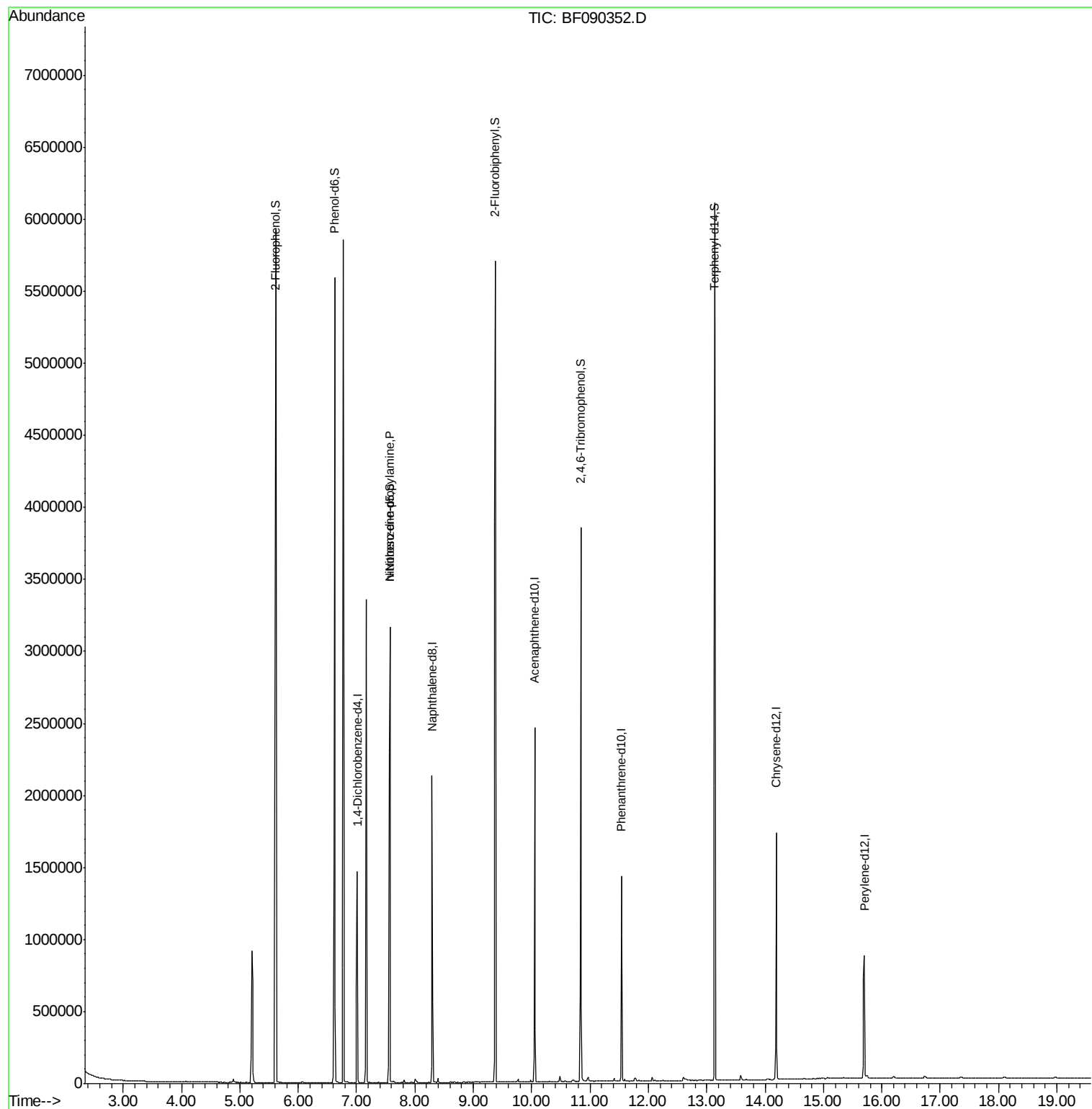
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.01  | 152  | 235056   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8             | 8.29  | 136  | 906950   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10           | 10.05 | 164  | 445941   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10           | 11.54 | 188  | 635066   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12               | 14.19 | 240  | 498297   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12               | 15.70 | 264  | 422552   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds    |       |      |          |        |       |                |
| 5) 2-Fluorophenol              | 5.62  | 112  | 1711313  | 114.83 | ng    | 0.00           |
| 7) Phenol-d6                   | 6.62  | 99   | 1870086  | 100.39 | ng    | 0.00           |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 1361122  | 87.48  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 349087   | 90.13  | ng    | 0.00           |
| 44) 2-Fluorobiphenyl           | 9.38  | 172  | 2185902  | 79.92  | ng    | 0.00           |
| 78) Terphenyl-d14              | 13.14 | 244  | 1799264  | 84.06  | ng    | 0.00           |
| Target Compounds               |       |      |          |        |       |                |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 183044   | 15.39  | ng    | Qvalue<br># 63 |

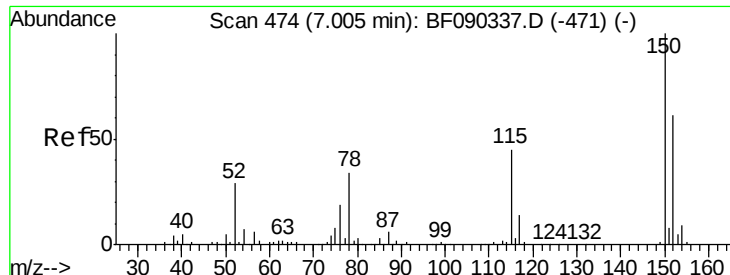
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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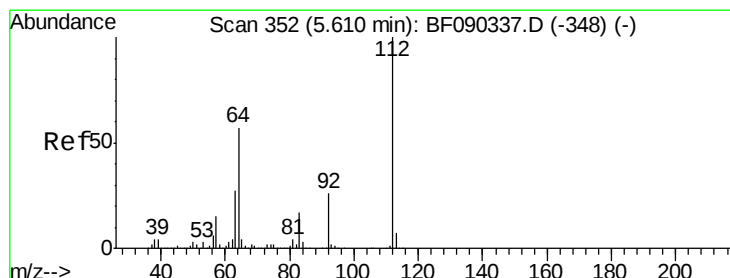
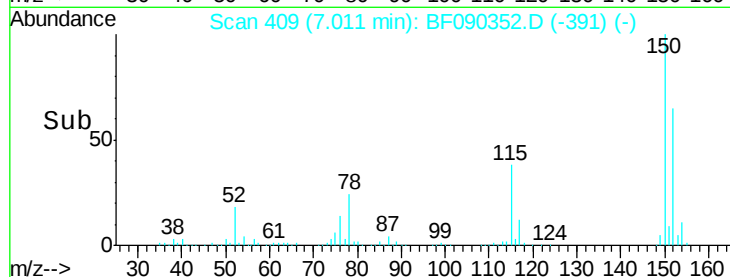
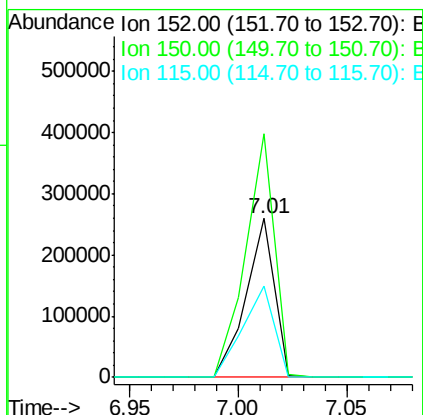
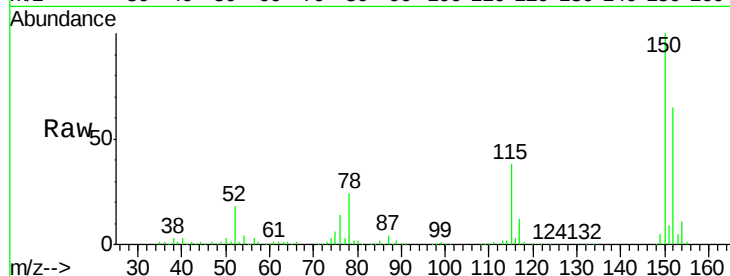




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.01 min Scan# 409  
 Delta R.T. 0.01 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

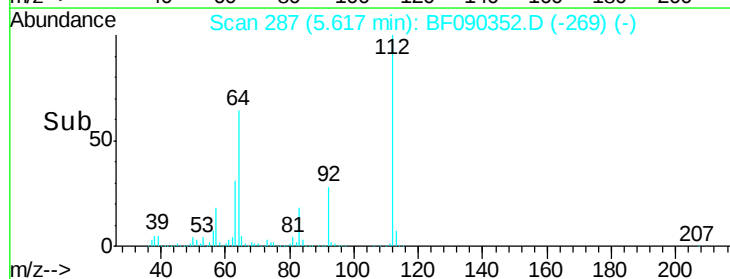
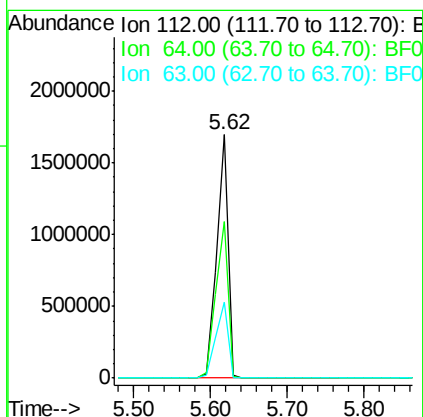
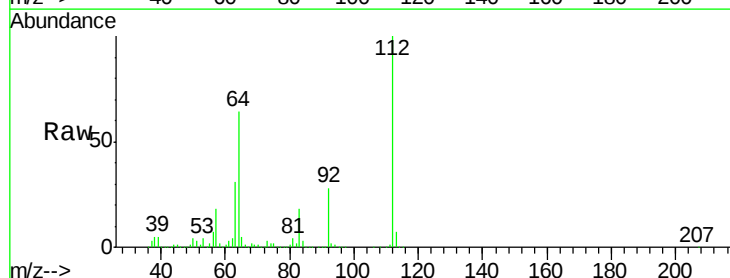
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB93778BL

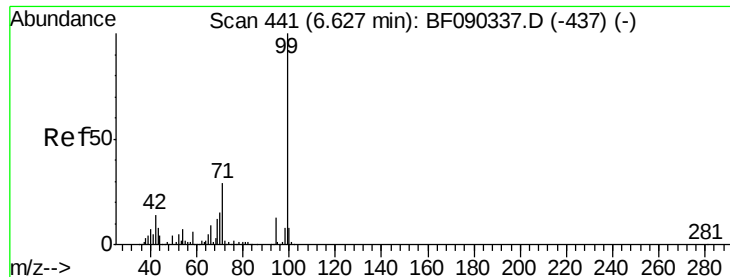
Tgt Ion:152 Resp: 235056  
 Ion Ratio Lower Upper  
 152 100  
 150 153.1 124.6 186.8  
 115 57.7 46.2 69.4



#5  
 2-Fluorophenol  
 Concen: 114.83 ng  
 RT: 5.62 min Scan# 287  
 Delta R.T. 0.01 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

Tgt Ion:112 Resp: 1711313  
 Ion Ratio Lower Upper  
 112 100  
 64 64.4 57.9 86.9  
 63 31.3 29.6 44.4





#7

Phenol-d6

Concen: 100.39 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

Instrument :

BNA\_F

ClientSampleId :

PB93778BL

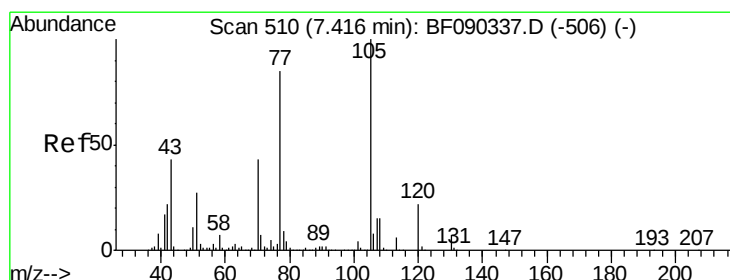
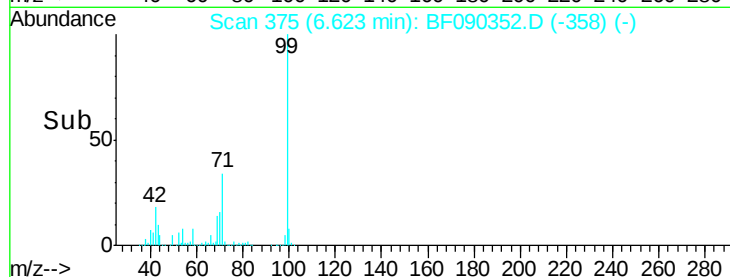
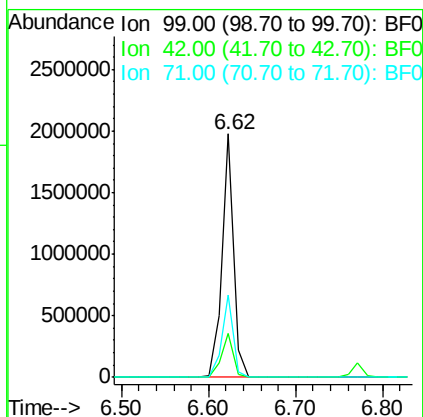
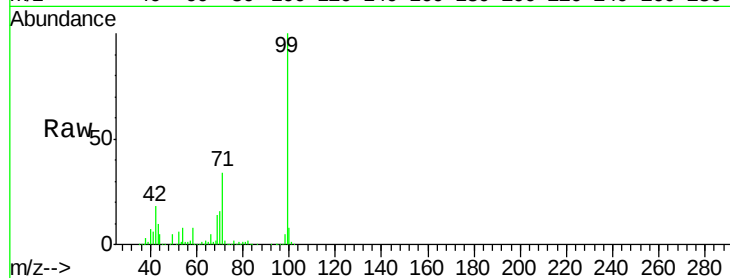
Tgt Ion: 99 Resp: 1870086

Ion Ratio Lower Upper

99 100

42 18.1 20.0 30.0#

71 33.7 27.9 41.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.39 ng

RT: 7.57 min Scan# 458

Delta R.T. 0.16 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

Tgt Ion: 70 Resp: 183044

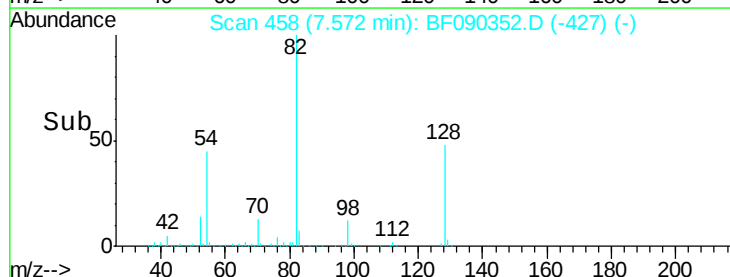
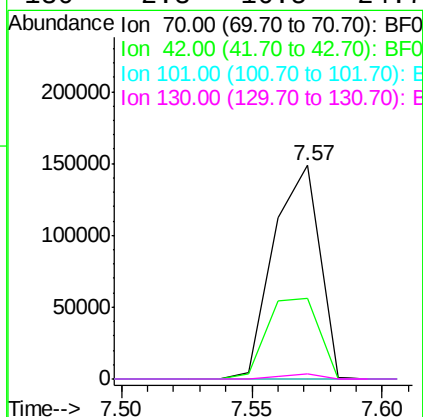
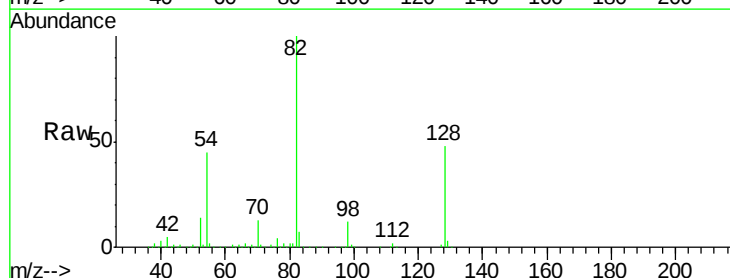
Ion Ratio Lower Upper

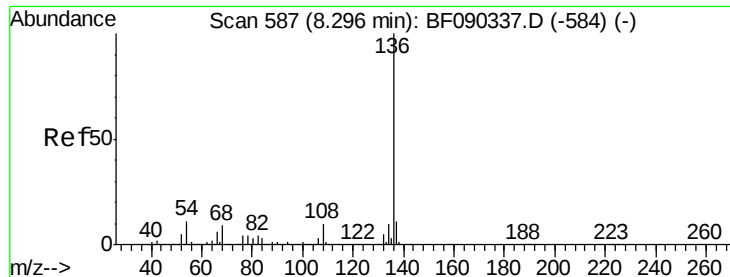
70 100

42 37.9 55.4 83.2#

101 0.0 7.6 11.4#

130 2.3 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

Delta R.T. -0.00 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

Instrument :

BNA\_F

ClientSampleId :

PB93778BL

Tgt Ion: 136 Resp: 906950

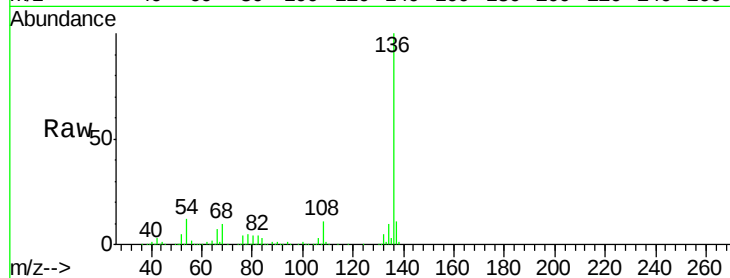
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 12.2 6.6 10.0#

68 9.8 5.0 7.6#

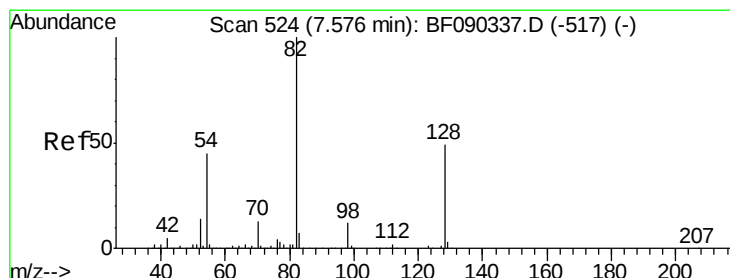
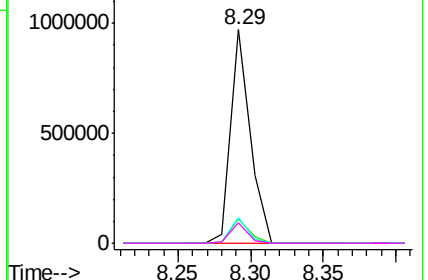
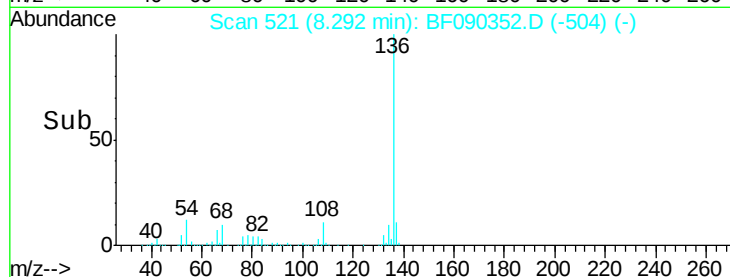


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.48 ng

RT: 7.57 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

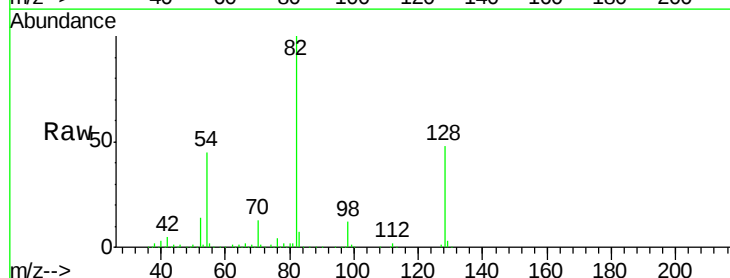
Tgt Ion: 82 Resp: 1361122

Ion Ratio Lower Upper

82 100

128 48.3 40.0 60.0

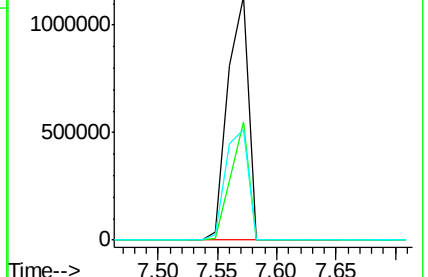
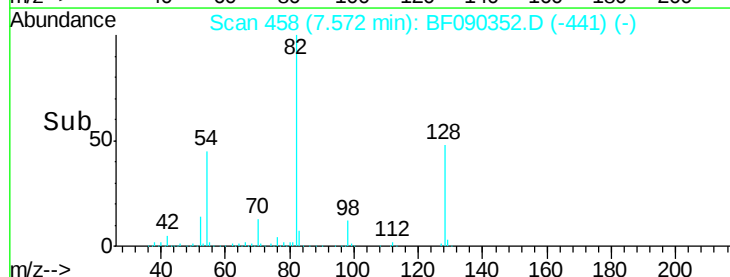
54 45.4 42.6 64.0

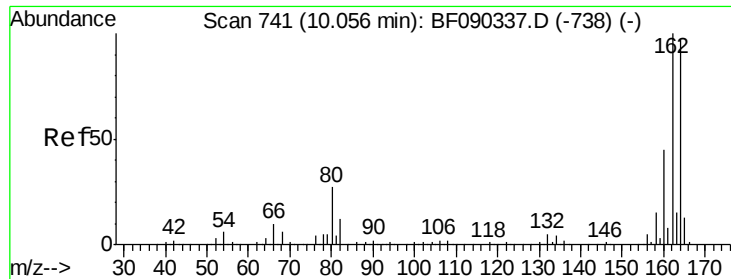


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

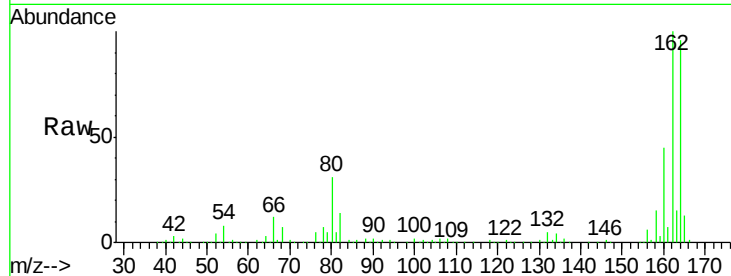




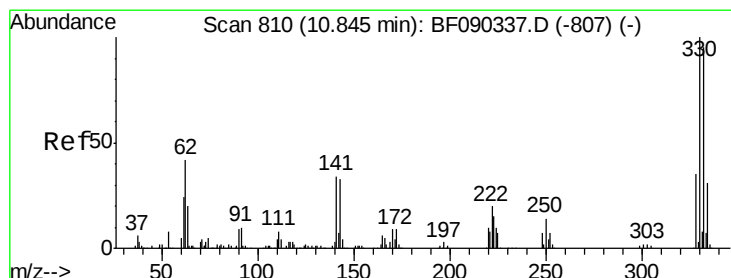
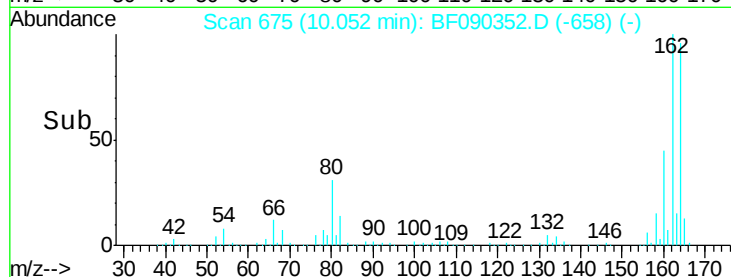
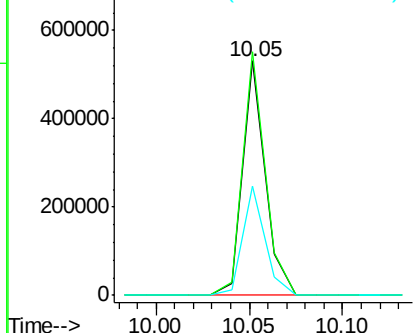
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.05 min Scan# 675  
 Delta R.T. -0.00 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

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Tgt Ion:164 Resp: 445941  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 80.1 120.1  
 160 46.8 36.3 54.5

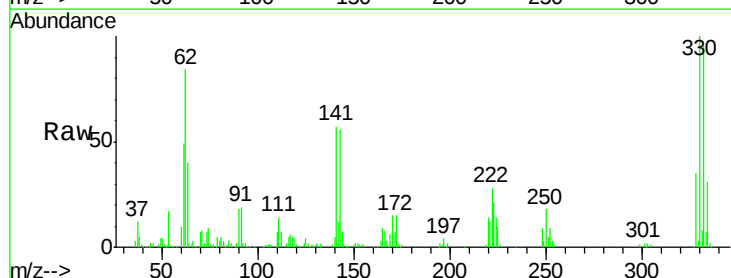


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

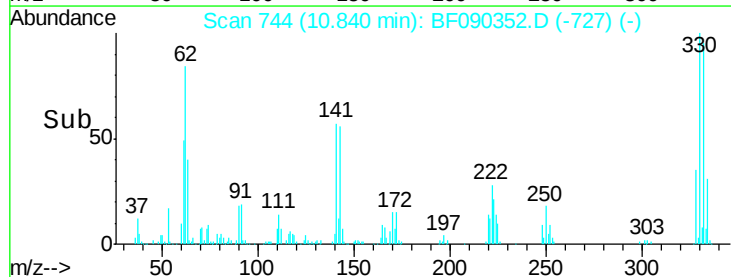
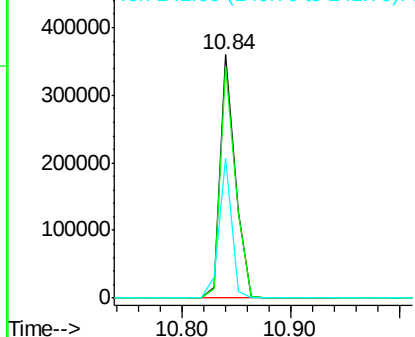


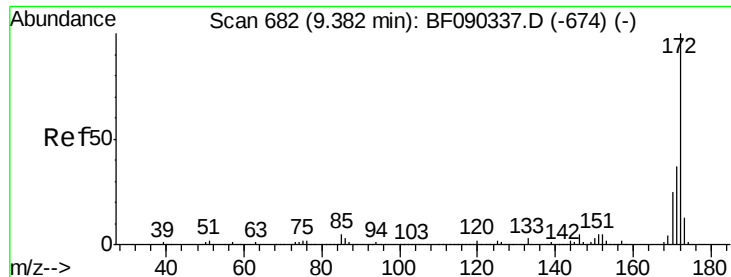
#41  
 2,4,6-Tribromophenol  
 Concen: 90.13 ng  
 RT: 10.84 min Scan# 744  
 Delta R.T. -0.00 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

Tgt Ion:330 Resp: 349087  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 75.4 113.0  
 141 48.7 26.9 40.3#



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

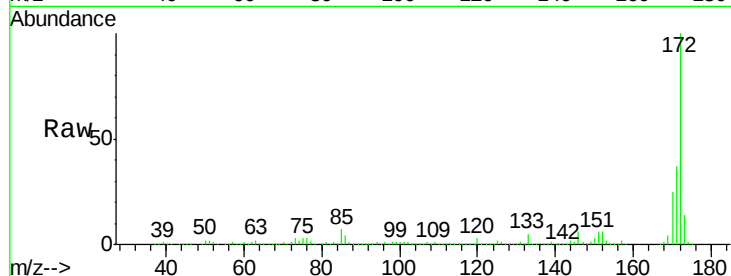




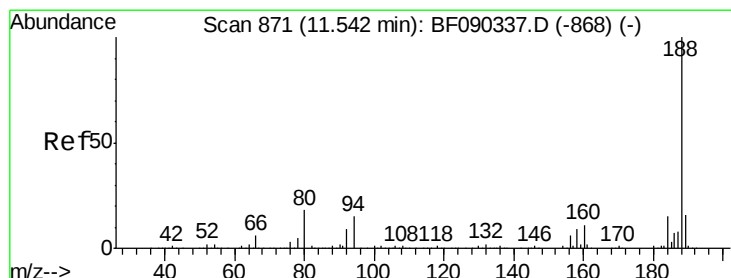
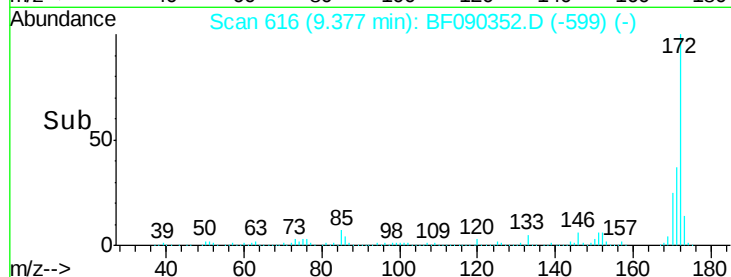
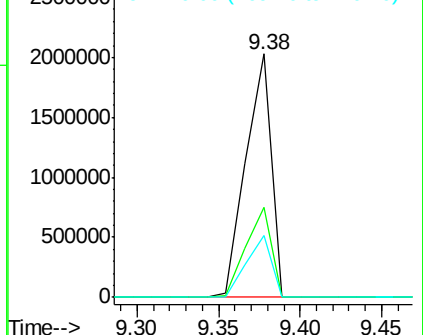
#44  
 2-Fluorobiphenyl  
 Concen: 79.92 ng  
 RT: 9.38 min Scan# 616  
 Delta R.T. -0.00 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB93778BL

Tgt Ion:172 Resp: 2185902  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 31.8 47.8  
 170 25.2 21.7 32.5

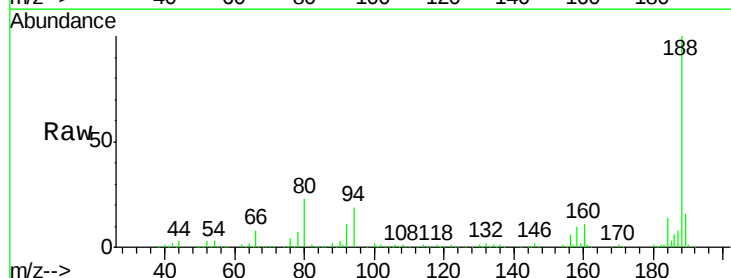


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

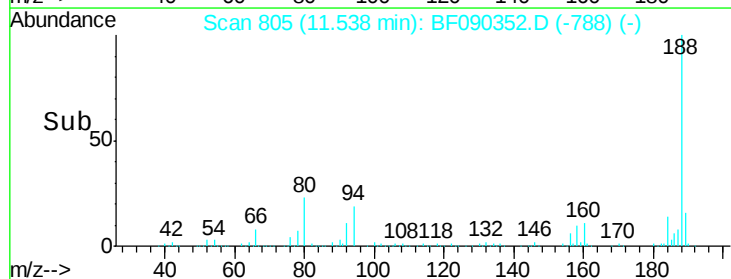
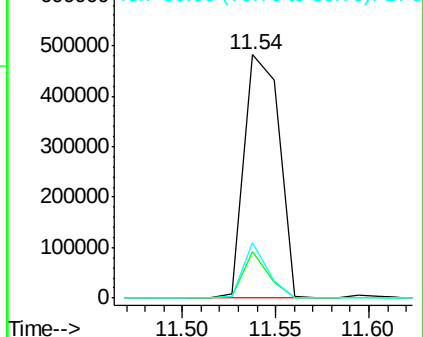


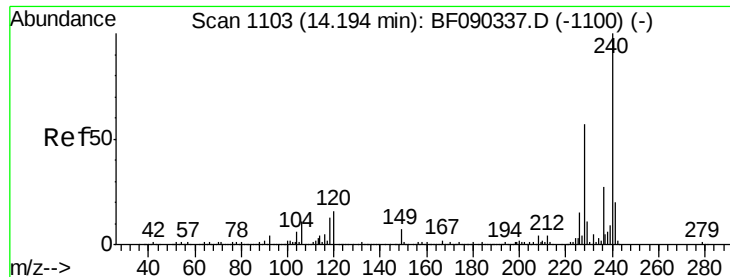
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.54 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: BF090352.D  
 Acq: 4 Oct 2016 20:01

Tgt Ion:188 Resp: 635066  
 Ion Ratio Lower Upper  
 188 100  
 94 19.3 8.2 12.2#  
 80 22.7 8.8 13.2#



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: 14.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

Instrument :

BNA\_F

ClientSampleId :

PB93778BL

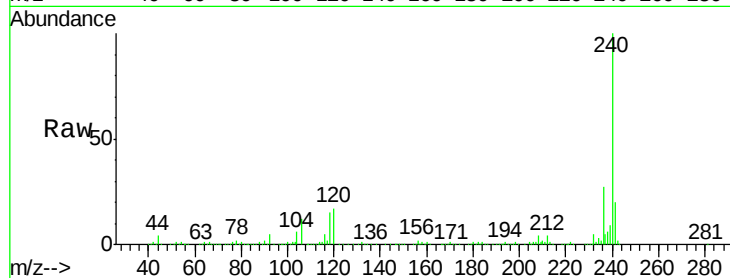
Tgt Ion:240 Resp: 498297

Ion Ratio Lower Upper

240 100

120 16.9 8.6 13.0#

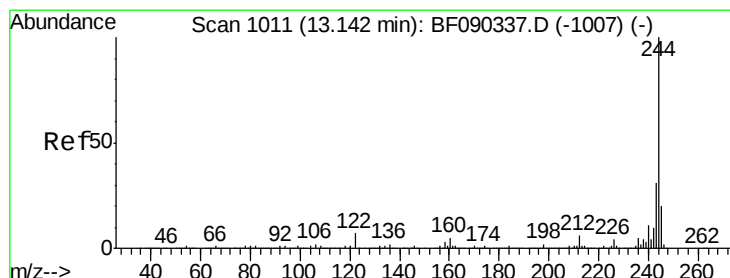
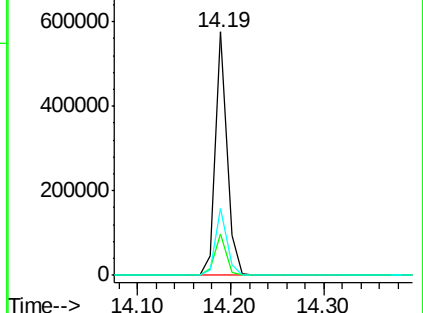
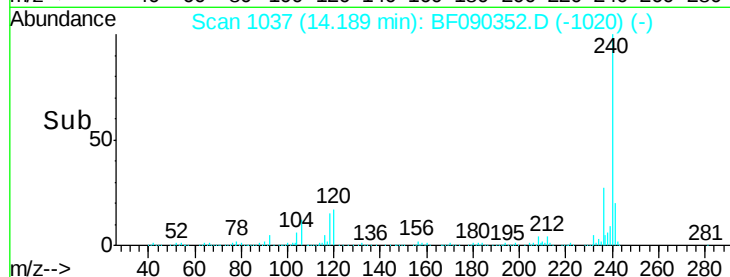
236 27.3 21.6 32.4



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: 84.06 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090352.D

Acq: 4 Oct 2016 20:01

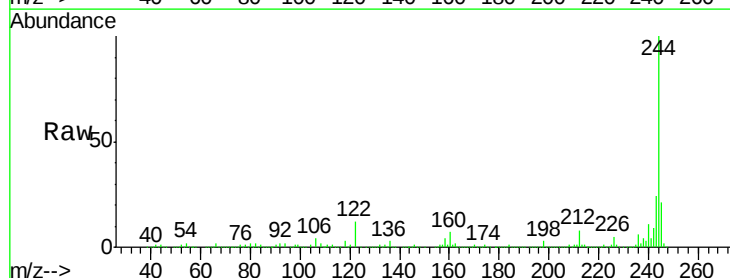
Tgt Ion:244 Resp: 1799264

Ion Ratio Lower Upper

244 100

212 7.5 6.8 10.2

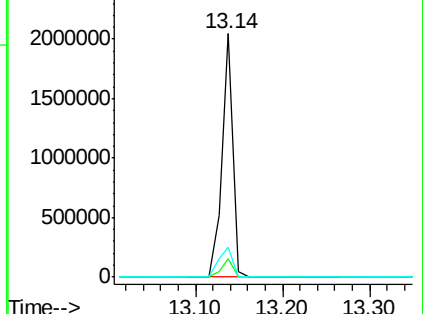
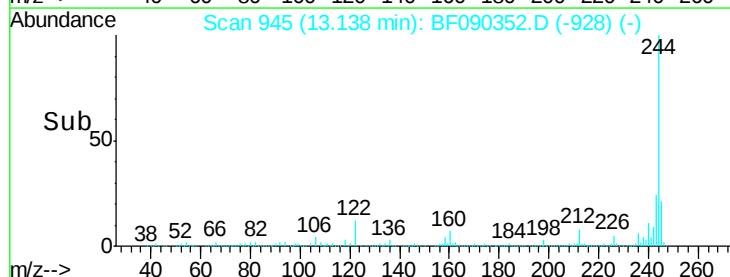
122 12.4 13.3 19.9#

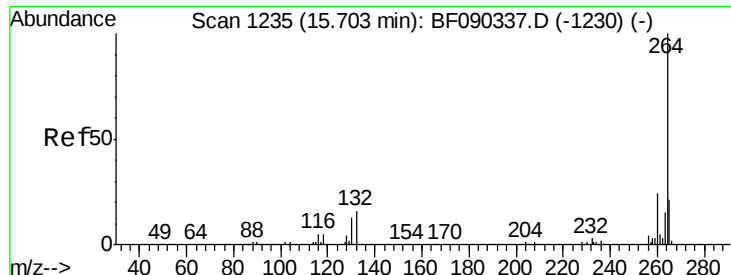


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.70 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF090352.D  
Acq: 4 Oct 2016 20:01

Instrument :  
BNA\_F  
ClientSampleId :  
PB93778BL

Tgt Ion: 264 Resp: 422552  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.3 28.9  
265 21.6 17.4 26.0

