

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012617\  
 Data File : BF092534.D  
 Acq On : 26 Jan 2017 19:36  
 Operator : SJ/MA  
 Sample : PB96342BL  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96342BL

Quant Time: Jan 27 00:11:18 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

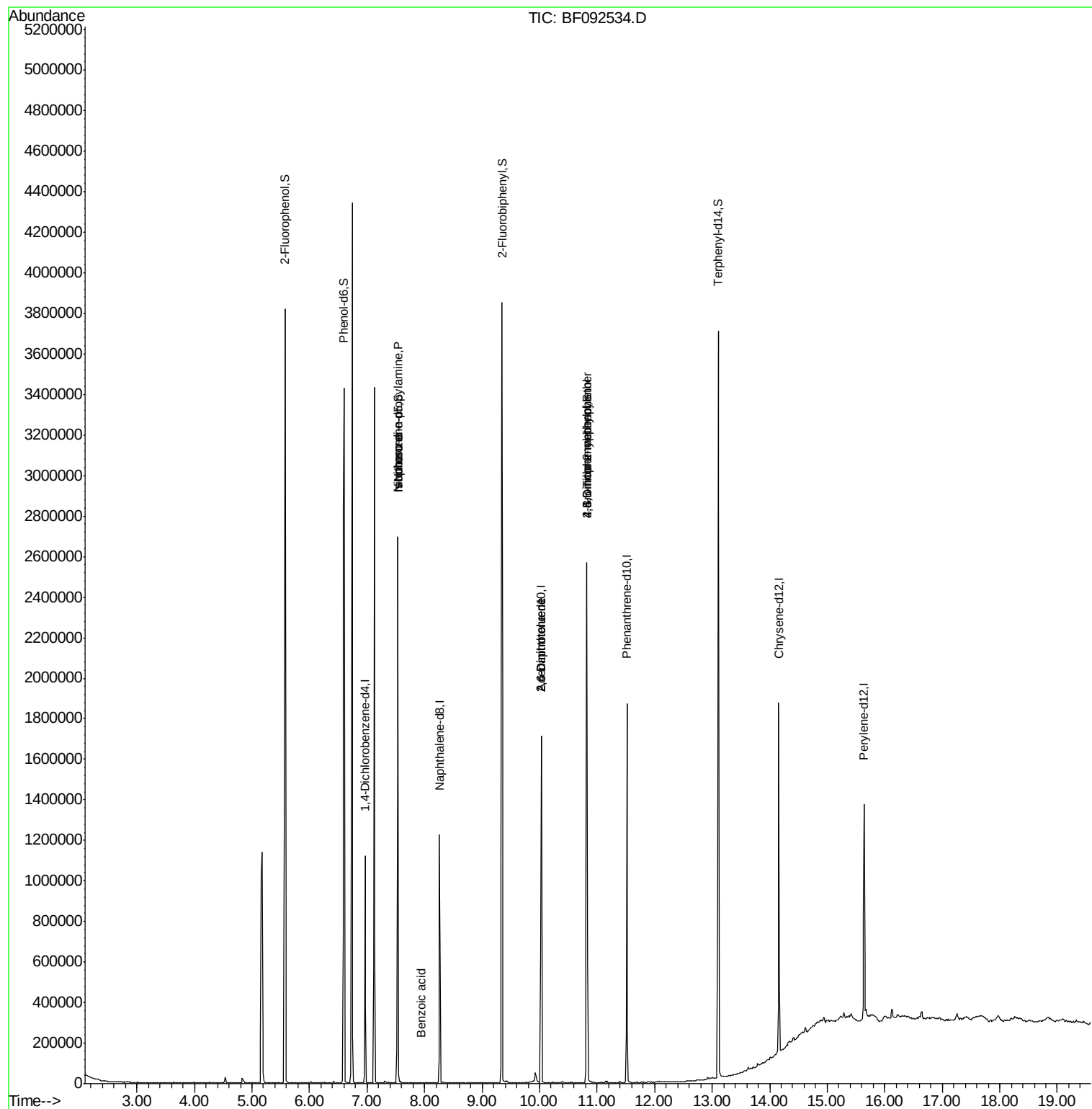
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 171022   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.26  | 136  | 677114   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.03 | 164  | 394246   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.52 | 188  | 648390   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.16 | 240  | 574759   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.64 | 264  | 508724   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.57  | 112  | 1153054  | 104.90 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.60  | 99   | 1709769  | 122.11 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.54  | 82   | 1029675  | 83.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.82 | 330  | 326246   | 121.43 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.34  | 172  | 1674893  | 78.56  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.11 | 244  | 1678935  | 77.78  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 139201   | 14.60  | ng    | # 80     |
| 25) Isophorone                 | 7.54  | 82   | 990995   | 40.57  | ng    | # 65     |
| 32) Benzoic acid               | 7.94  | 122  | 1040     | 4.80   | ng    | # 88     |
| 50) 2,6-Dinitrotoluene         | 10.03 | 165  | 50657    | 9.89   | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 50661    | 7.45   | ng    | # 20     |
| 64) 4,6-Dinitro-2-methylphenol | 10.82 | 198  | 774      | 5.15   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 22905    | 3.50   | ng    | # 1      |

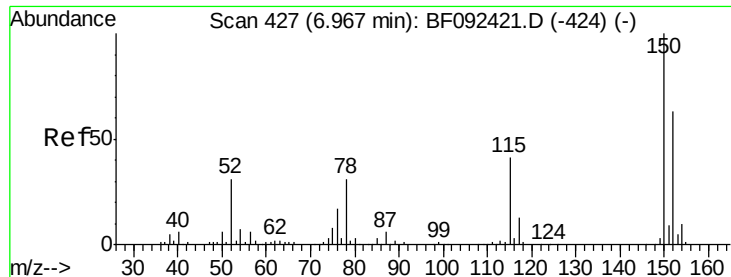
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Instrument :

BNA\_F

ClientSampleId :

PB96342BL

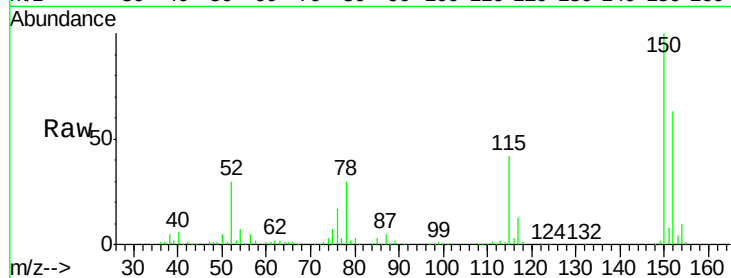
Tgt Ion:152 Resp: 171022

Ion Ratio Lower Upper

152 100

150 159.5 124.9 187.3

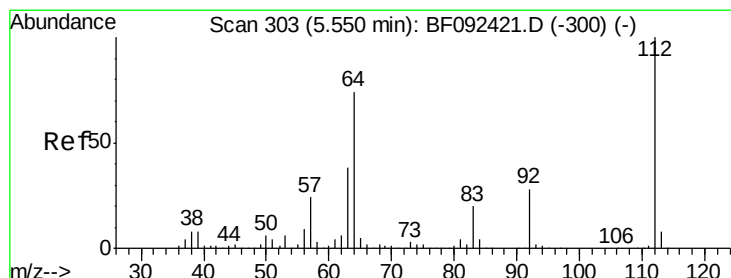
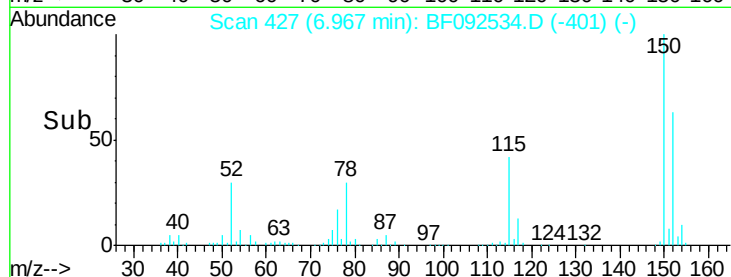
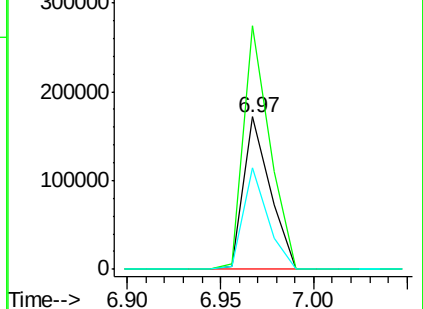
115 66.3 46.0 69.0



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: 104.90 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

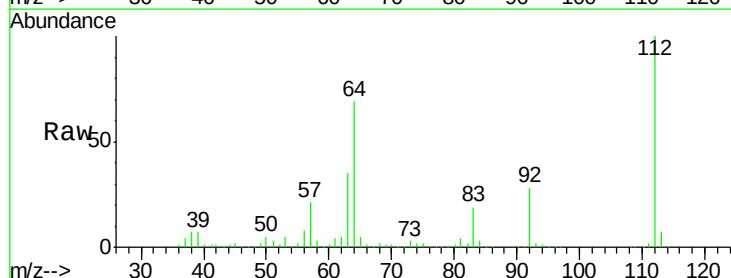
Tgt Ion:112 Resp: 1153054

Ion Ratio Lower Upper

112 100

64 69.4 46.1 69.1#

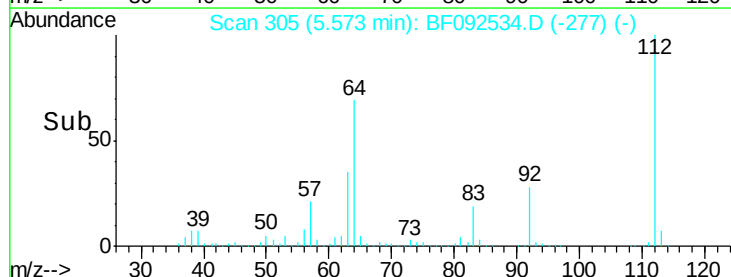
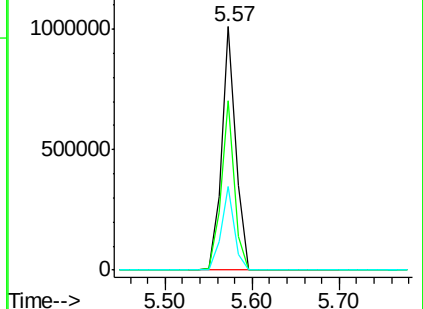
63 34.5 23.8 35.6

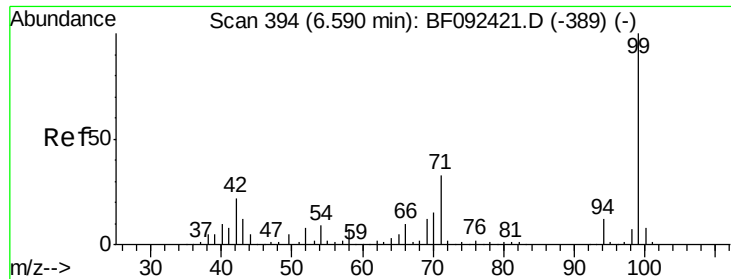


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.11 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Instrument :

BNA\_F

ClientSampleId :

PB96342BL

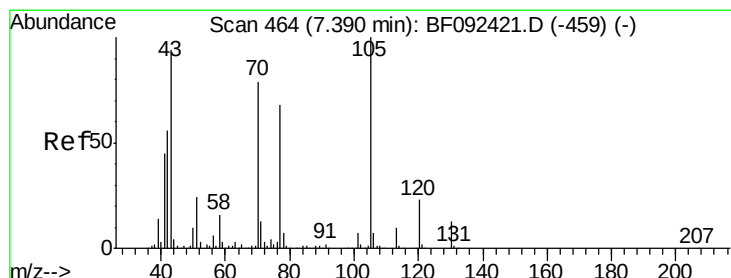
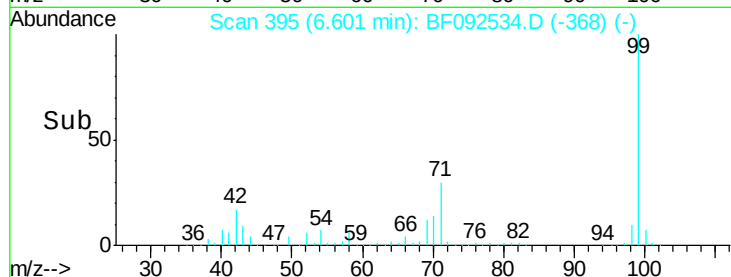
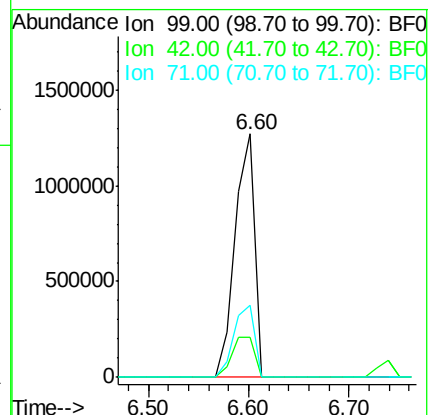
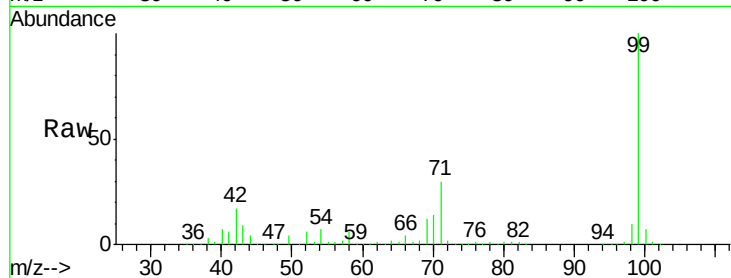
Tgt Ion: 99 Resp: 1709769

Ion Ratio Lower Upper

99 100

42 16.6 15.6 23.4

71 29.8 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.60 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Tgt Ion: 70 Resp: 139201

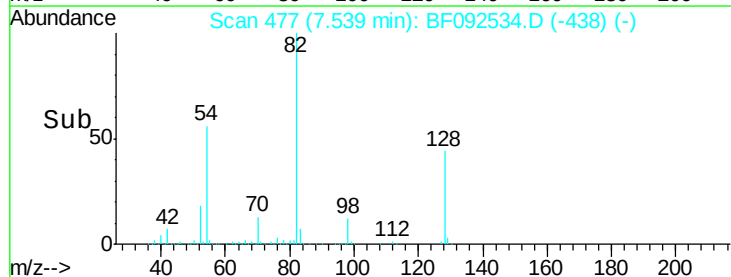
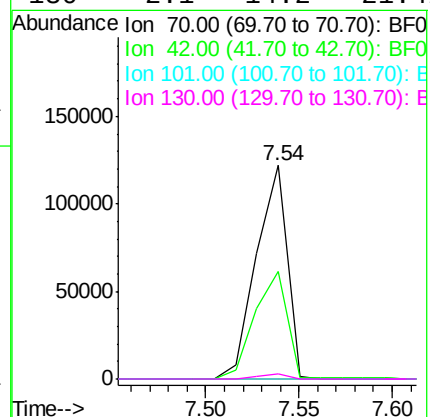
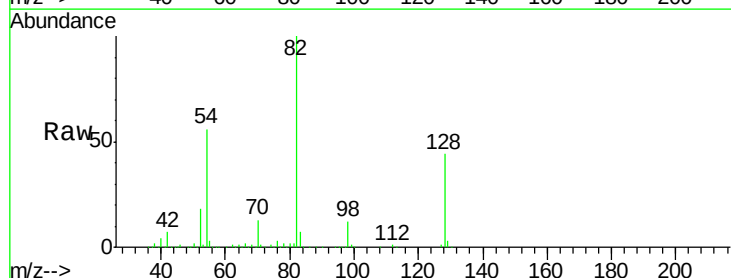
Ion Ratio Lower Upper

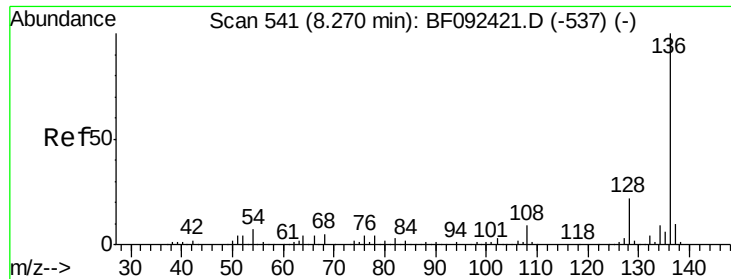
70 100

42 50.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

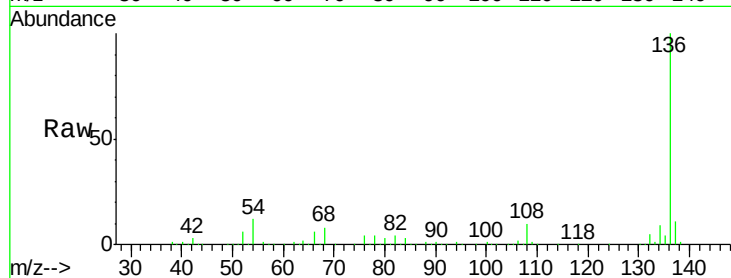




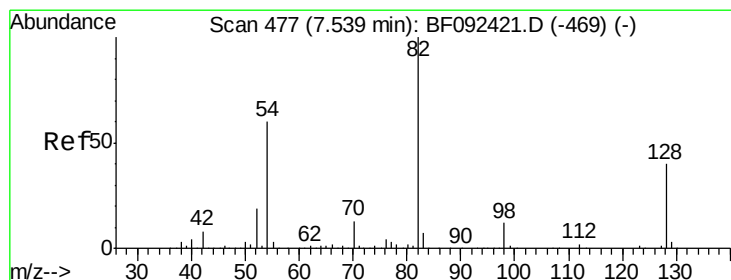
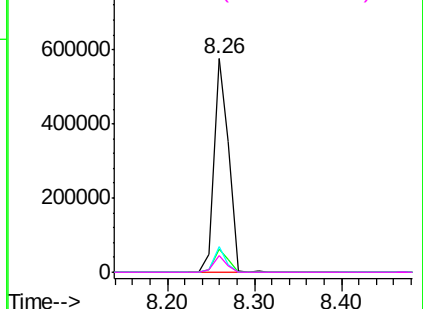
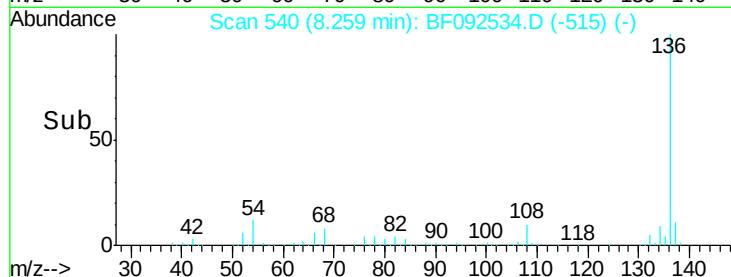
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.26 min Scan# 540  
Delta R.T. -0.01 min  
Lab File: BF092534.D  
Acq: 26 Jan 2017 19:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB96342BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 677114 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.4   | 12.6   |
| 54       | 11.8  | 4.5   | 6.7#   |
| 68       | 8.0   | 3.6   | 5.4#   |

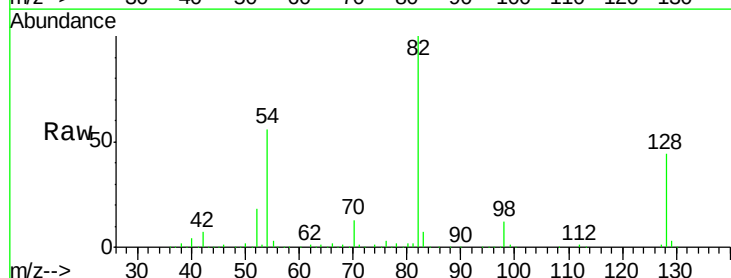


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

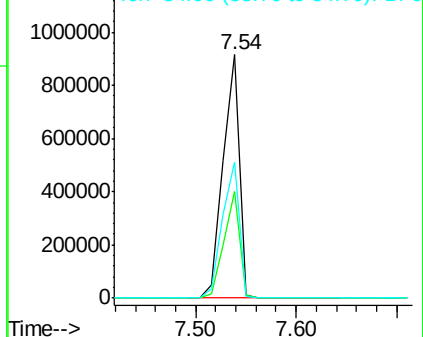
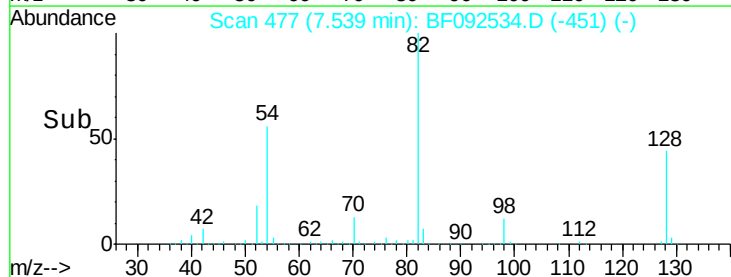


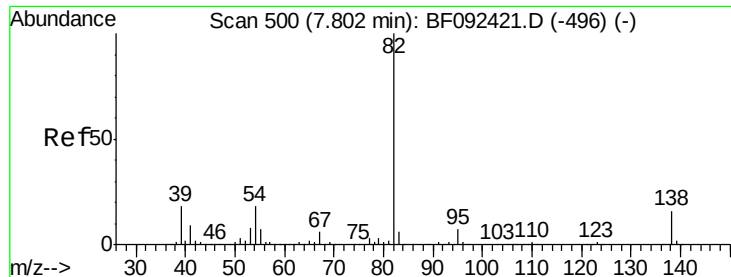
#23  
Nitrobenzene-d5  
Concen: 83.07 ng  
RT: 7.54 min Scan# 477  
Delta R.T. -0.00 min  
Lab File: BF092534.D  
Acq: 26 Jan 2017 19:36

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1029675 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 43.8  | 34.6  | 52.0    |
| 54       | 56.1  | 39.5  | 59.3    |



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





#25

Isophorone

Concen: 40.57 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Instrument :

BNA\_F

ClientSampleId :

PB96342BL

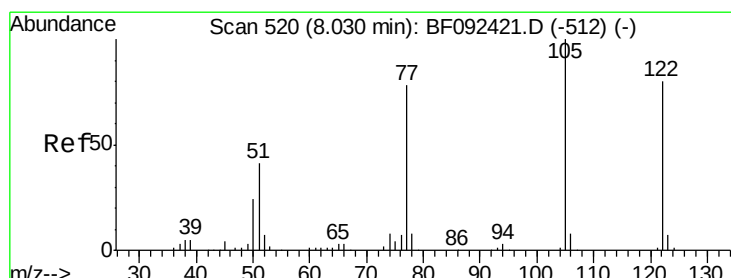
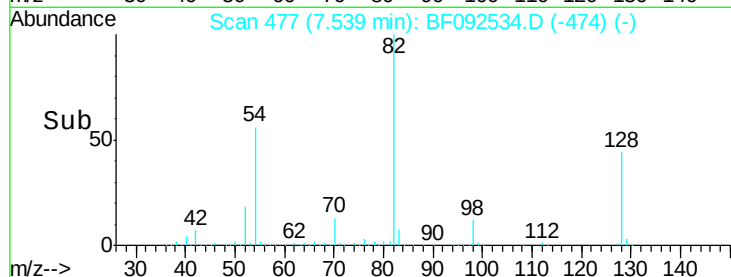
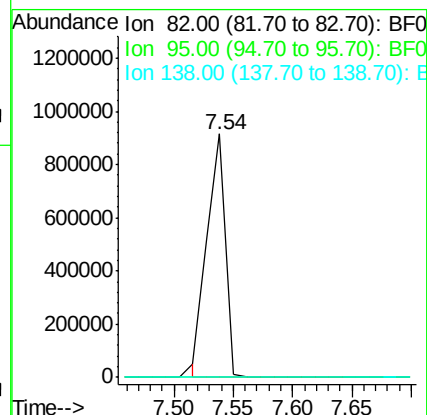
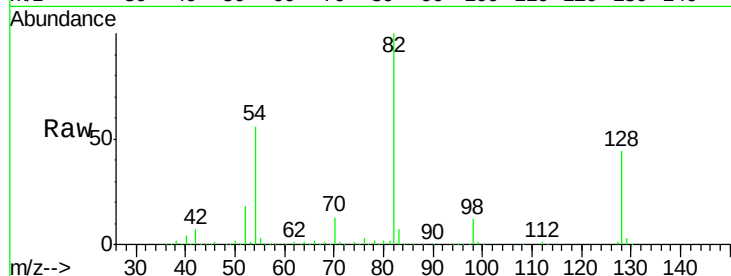
Tgt Ion: 82 Resp: 990995

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 4.80 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.09 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

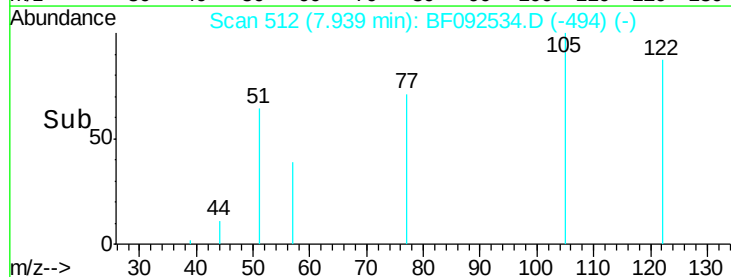
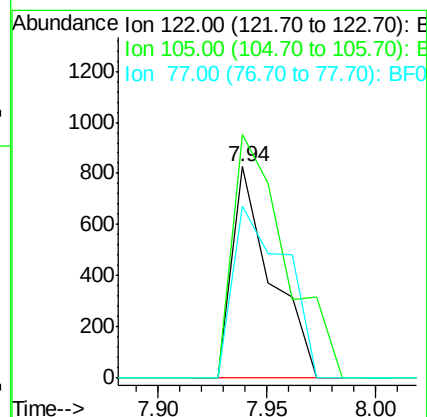
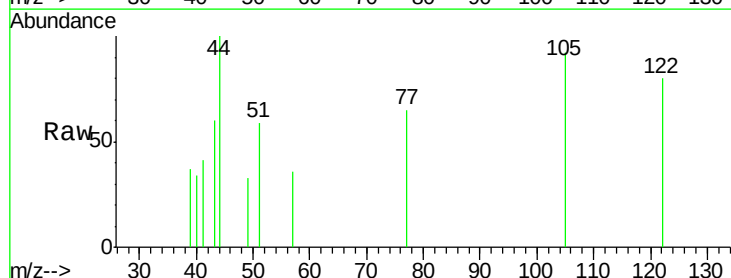
Tgt Ion: 122 Resp: 1040

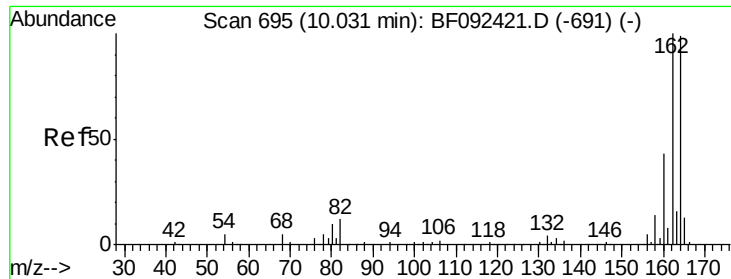
Ion Ratio Lower Upper

122 100

105 115.1 107.2 147.2

77 81.4 74.5 114.5

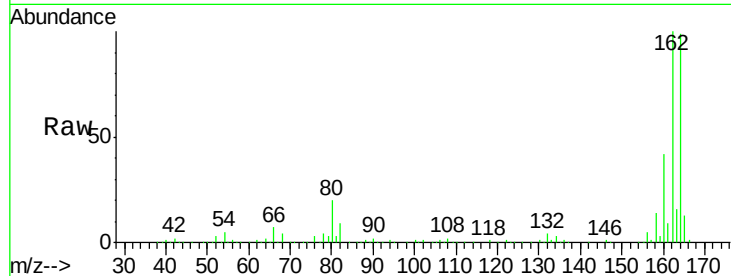




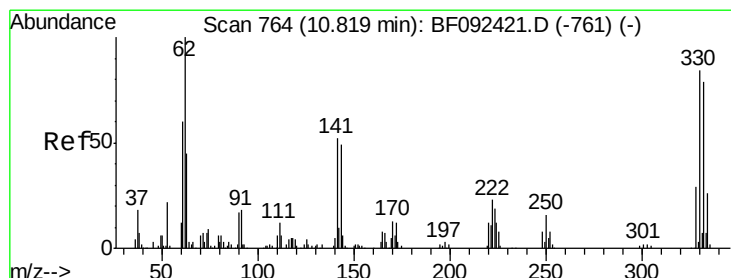
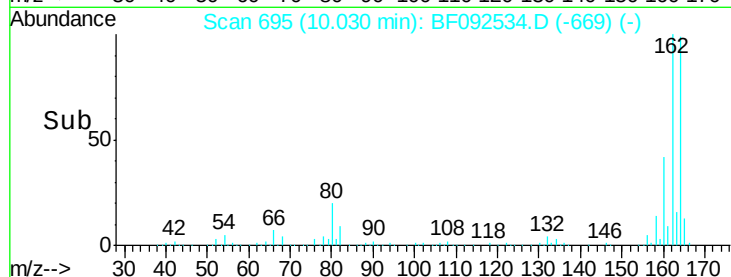
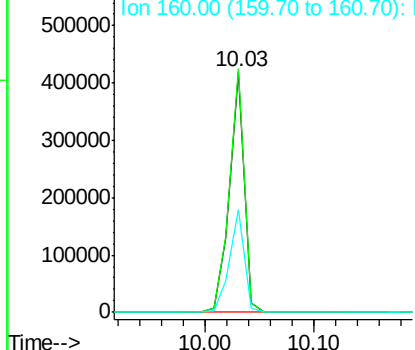
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. -0.00 min  
 Lab File: BF092534.D  
 Acq: 26 Jan 2017 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96342BL

Tgt Ion:164 Resp: 394246  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 80.2 120.2  
 160 42.8 36.9 55.3

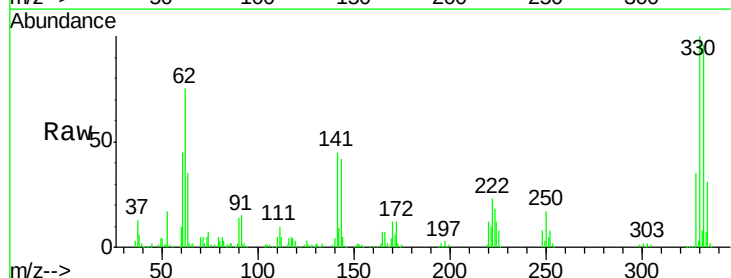


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

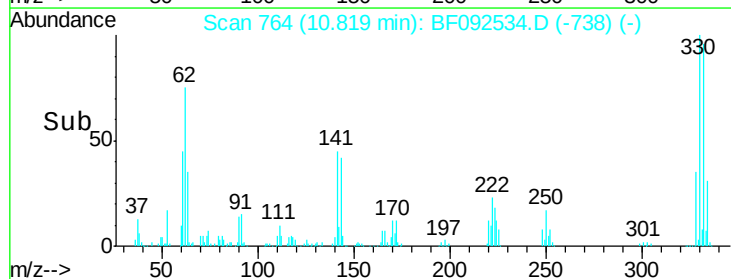
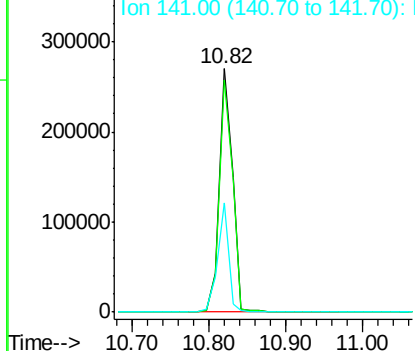


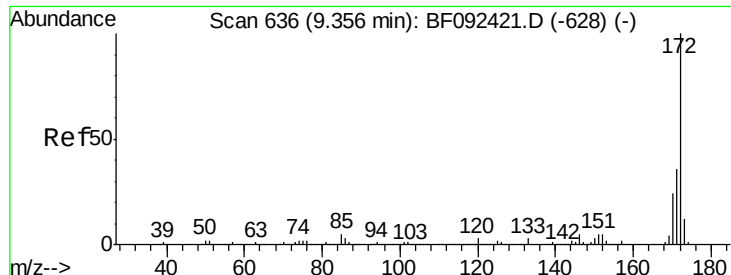
#41  
 2,4,6-Tribromophenol  
 Concen: 121.43 ng  
 RT: 10.82 min Scan# 764  
 Delta R.T. -0.00 min  
 Lab File: BF092534.D  
 Acq: 26 Jan 2017 19:36

Tgt Ion:330 Resp: 326246  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.2  
 141 37.2 34.1 51.1



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

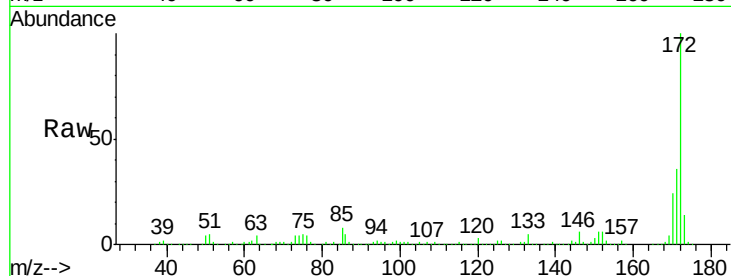




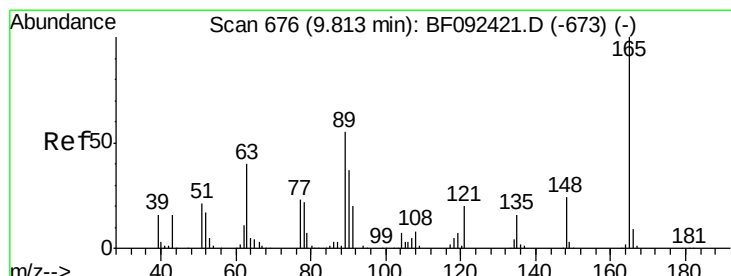
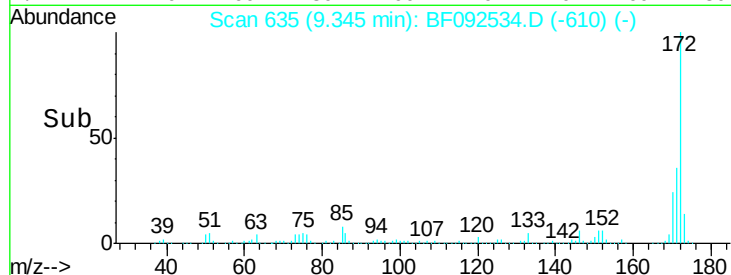
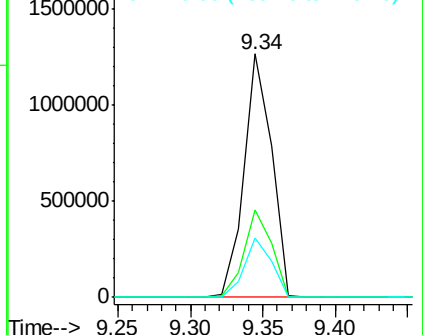
#44  
 2-Fluorobiphenyl  
 Concen: 78.56 ng  
 RT: 9.34 min Scan# 635  
 Delta R.T. -0.01 min  
 Lab File: BF092534.D  
 Acq: 26 Jan 2017 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB96342BL

Tgt Ion:172 Resp: 1674893  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 24.2 20.2 30.4

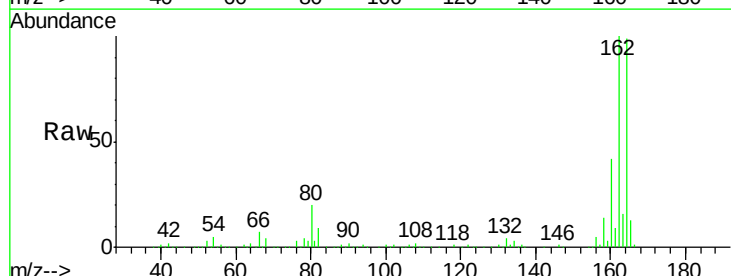


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

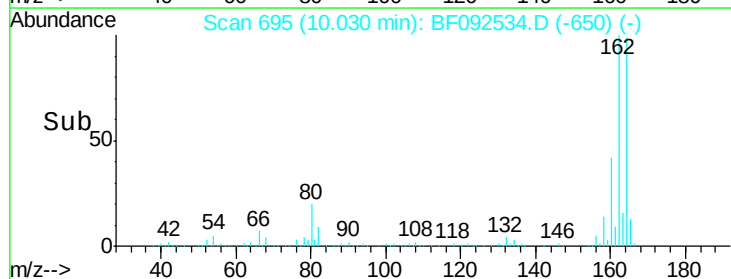
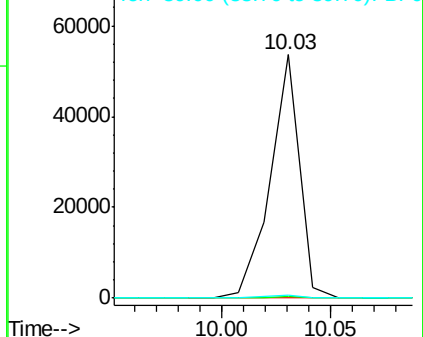


#50  
 2,6-Dinitrotoluene  
 Concen: 9.89 ng  
 RT: 10.03 min Scan# 695  
 Delta R.T. 0.22 min  
 Lab File: BF092534.D  
 Acq: 26 Jan 2017 19:36

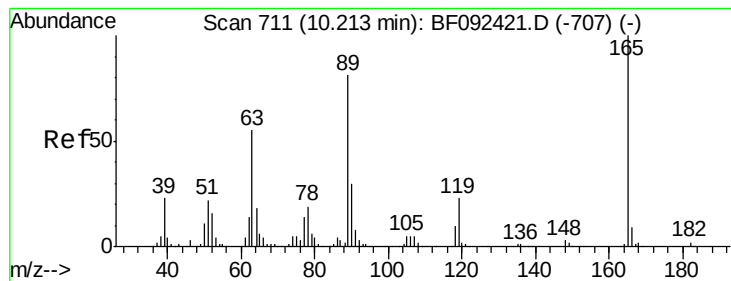
Tgt Ion:165 Resp: 50657  
 Ion Ratio Lower Upper  
 165 100  
 63 0.8 36.2 54.4#  
 89 1.3 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0







#56

2,4-Dinitrotoluene

Concen: 7.45 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

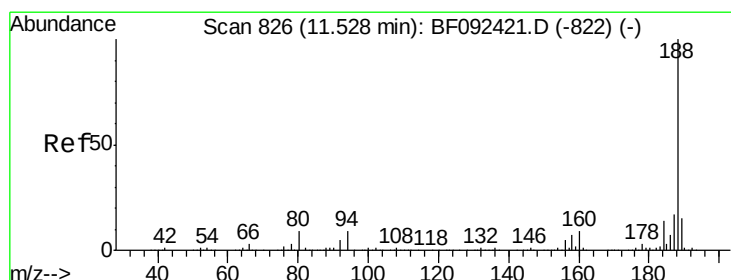
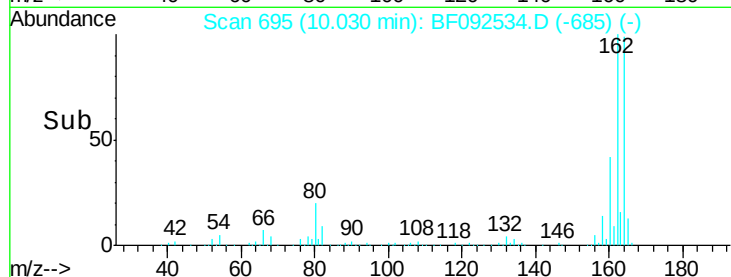
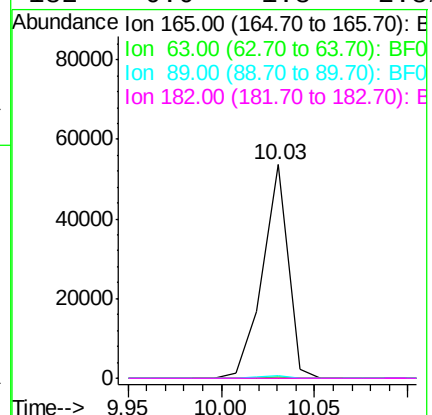
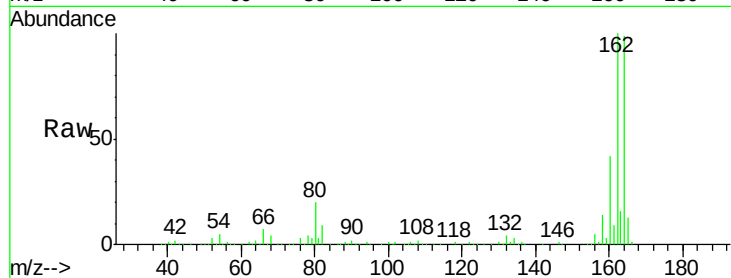
Instrument :

BNA\_F

ClientSampleId :

PB96342BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 50661 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.8   | 40.2  | 60.4# |
| 89       | 1.3   | 62.5  | 93.7# |
| 182      | 0.0   | 1.8   | 2.8#  |



#63

Phenanthrene-d10

Concen: 20.00 ng

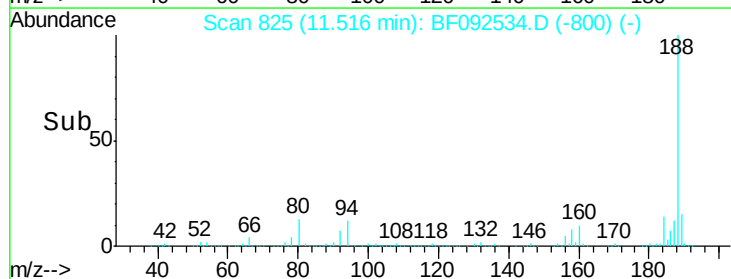
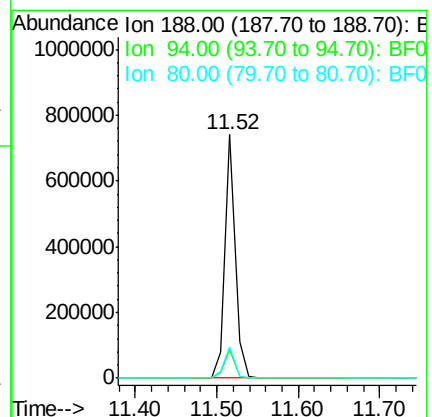
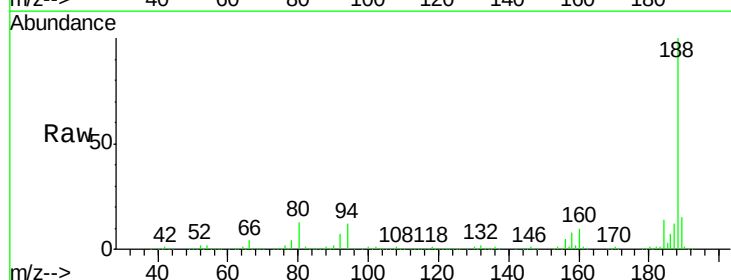
RT: 11.52 min Scan# 825

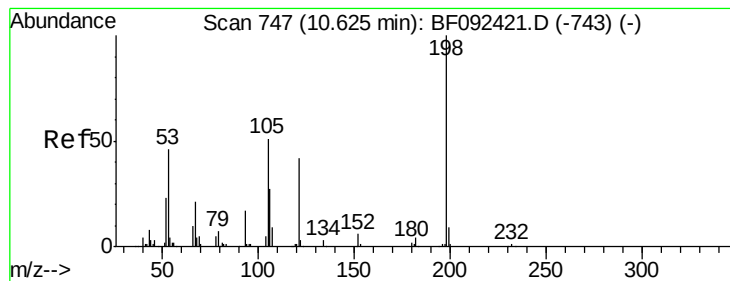
Delta R.T. -0.01 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 648390 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.9  | 10.0  | 15.0   |
| 80       | 12.9  | 11.2  | 16.8   |





#64

4,6-Dinitro-2-methylphenol

Concen: 5.15 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Instrument :

BNA\_F

ClientSampleId :

PB96342BL

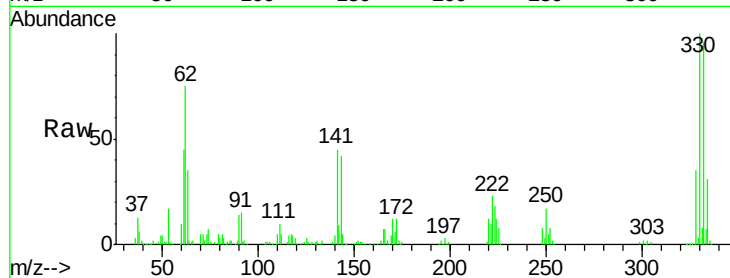
Tgt Ion:198 Resp: 774

Ion Ratio Lower Upper

198 100

51 191.5 6.7 46.7#

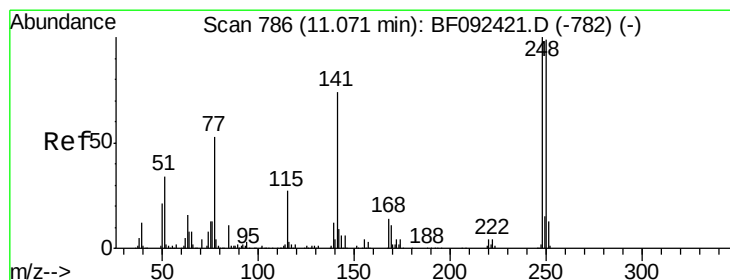
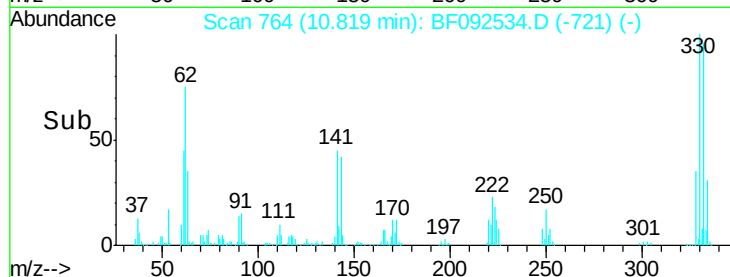
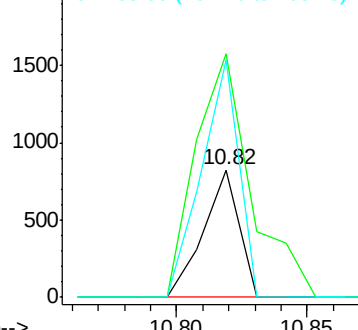
105 186.1 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.50 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

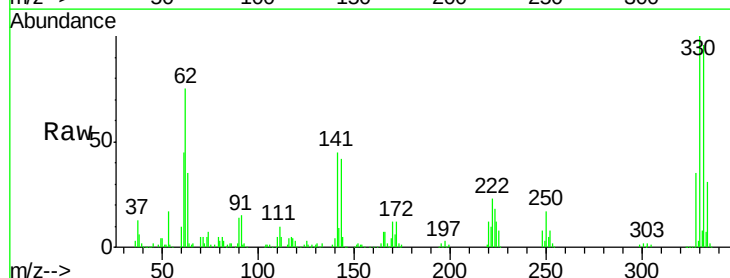
Tgt Ion:248 Resp: 22905

Ion Ratio Lower Upper

248 100

250 210.1 76.9 115.3#

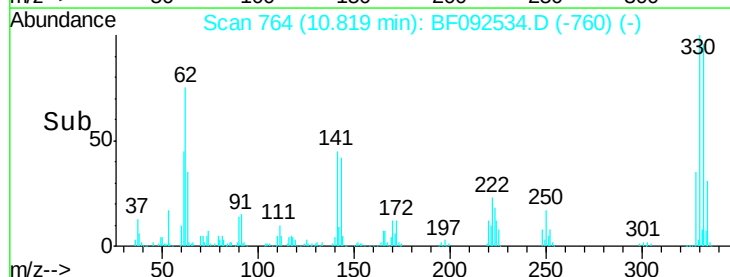
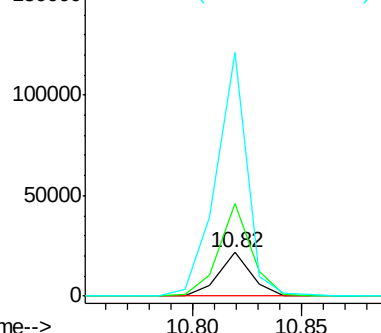
141 555.4 68.2 102.4#

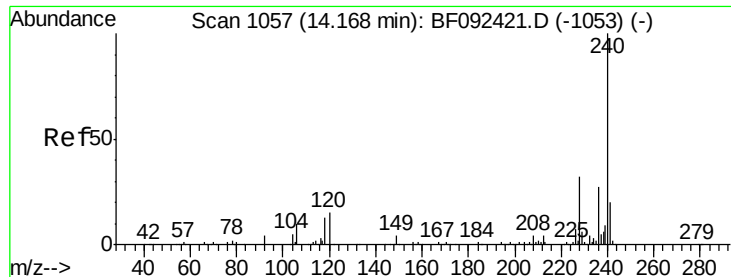


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

Instrument :

BNA\_F

ClientSampleId :

PB96342BL

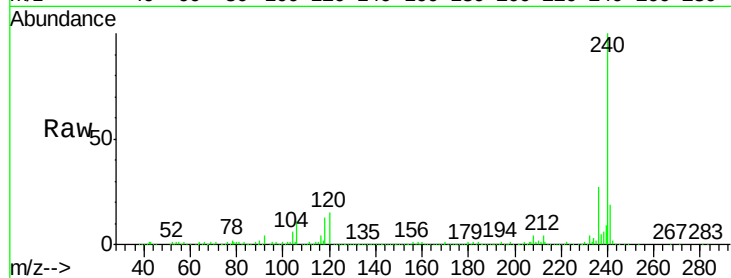
Tgt Ion:240 Resp: 574759

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

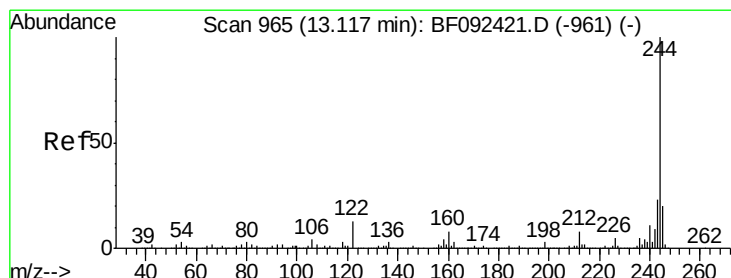
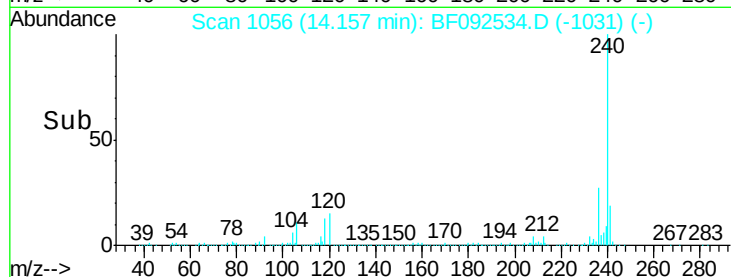
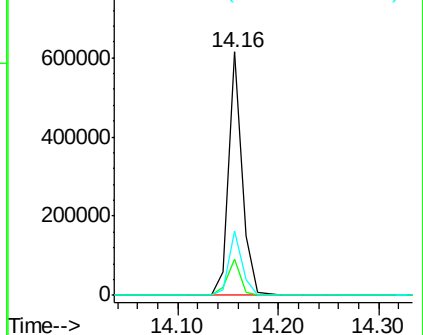
236 26.7 20.9 31.3



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: 77.78 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092534.D

Acq: 26 Jan 2017 19:36

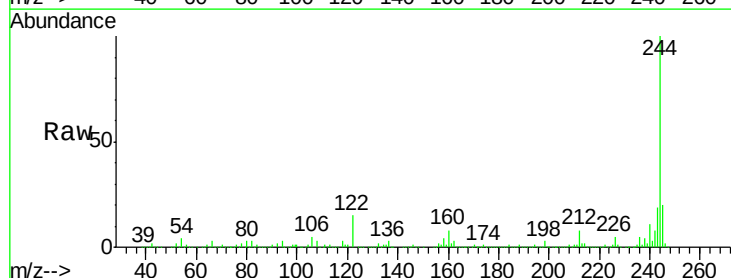
Tgt Ion:244 Resp: 1678935

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

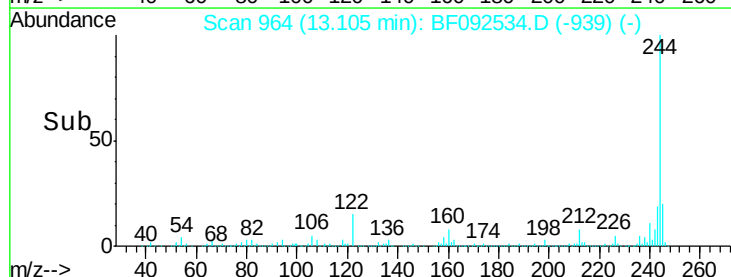
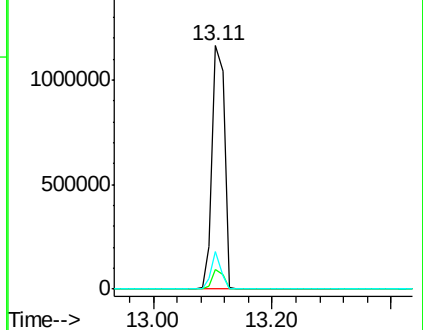
122 15.3 11.4 17.2

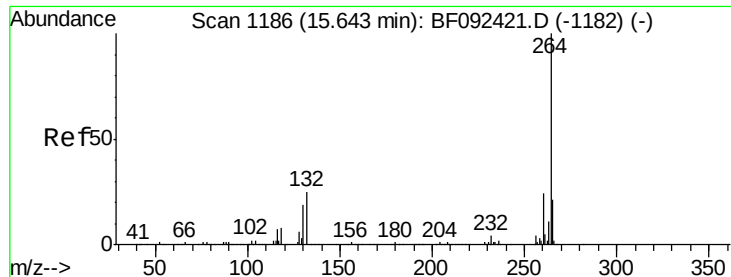


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

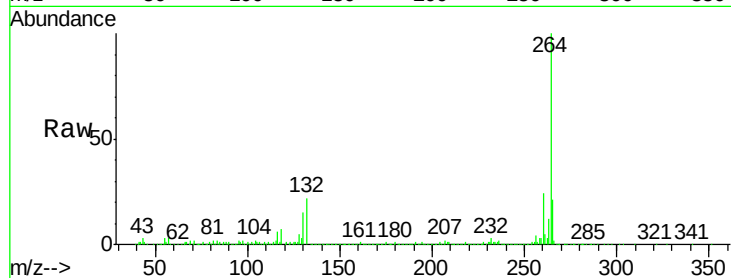




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.64 min Scan# 1186  
Delta R.T. -0.00 min  
Lab File: BF092534.D  
Acq: 26 Jan 2017 19:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB96342BL

Tgt Ion: 264 Resp: 508724  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.2 28.8  
265 21.5 17.4 26.0



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

