

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011317\  
 Data File : BF092253.D  
 Acq On : 13 Jan 2017 20:31  
 Operator : UM/SJ  
 Sample : PB95972BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95972BL

Quant Time: Jan 16 01:26:24 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 16 01:02:36 2017  
 Response via : Initial Calibration

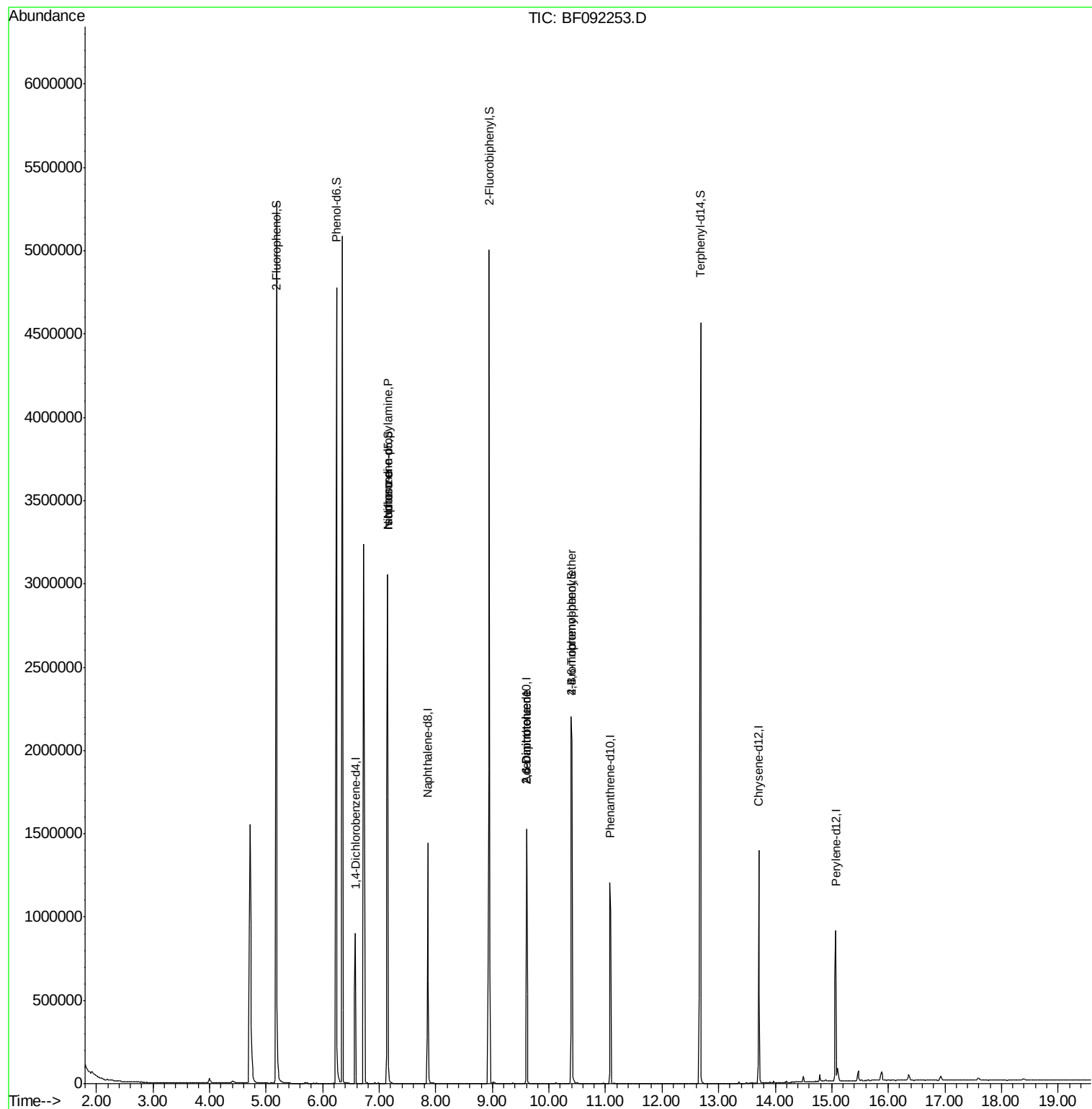
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 174242   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.86  | 136  | 830152   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.60  | 164  | 389542   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.08 | 188  | 655242   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 13.71 | 240  | 525785   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.07 | 264  | 438922   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.18  | 112  | 1813678  | 173.80    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.24  | 99   | 1919495  | 150.66    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.15  | 82   | 1251943  | 83.86     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 442026   | 137.12    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.94  | 172  | 1871677  | 100.85    | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.68 | 244  | 1939632  | 89.47     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 169162   | 19.96     | ng    | # 75     |
| 25) Isophorone                 | 7.15  | 82   | 1211327  | 43.98     | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 49346    | 9.05      | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 9.60  | 165  | 49346    | 7.21      | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 10.40 | 248  | 27117    | 3.98      | ng    | # 1      |
| 73) Di-n-butylphthalate        | 11.66 | 149  | 224      | Below Cal |       | # 76     |

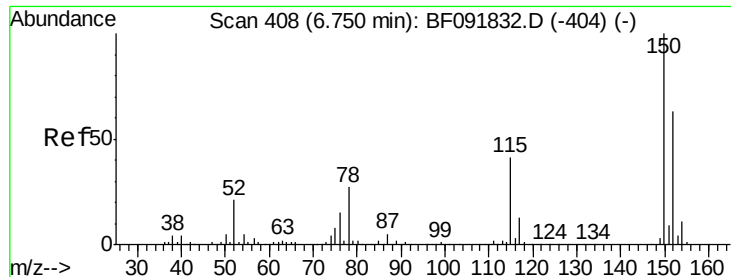
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 16 01:02:36 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

Instrument :

BNA\_F

ClientSampleId :

PB95972BL

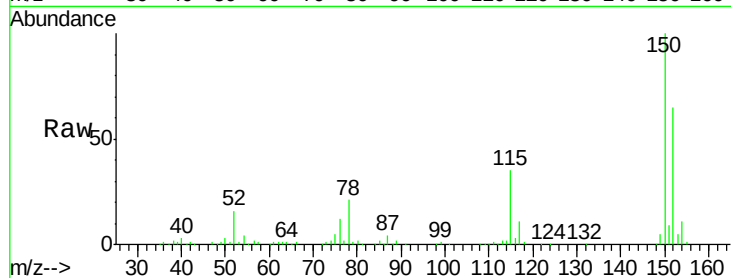
Tgt Ion:152 Resp: 174242

Ion Ratio Lower Upper

152 100

150 154.0 124.9 187.3

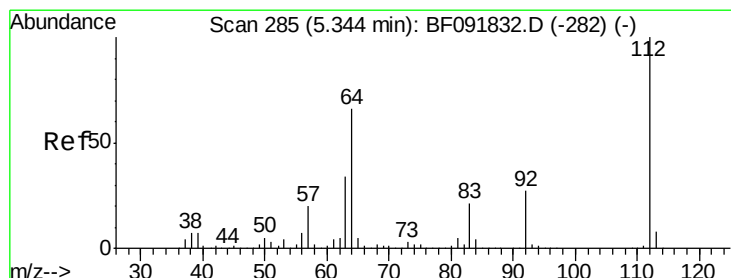
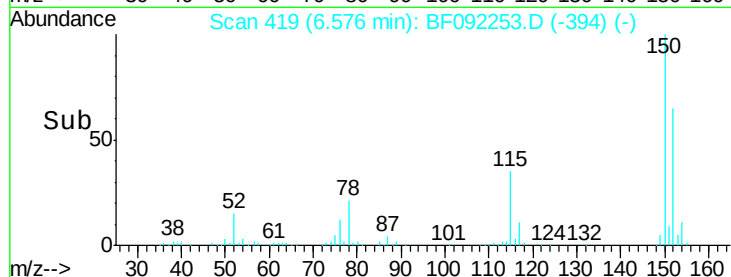
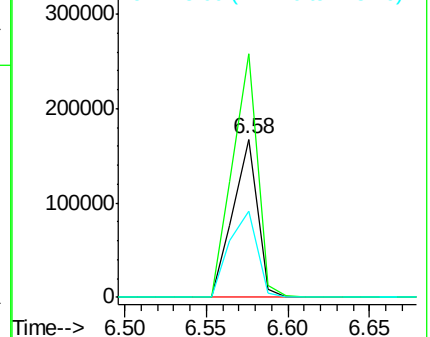
115 54.3 46.0 69.0



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: 173.80 ng

RT: 5.18 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

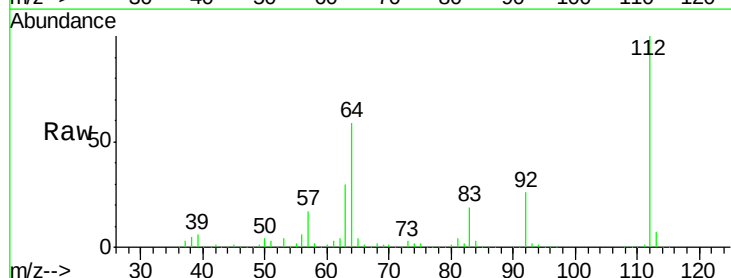
Tgt Ion:112 Resp: 1813678

Ion Ratio Lower Upper

112 100

64 59.3 46.1 69.1

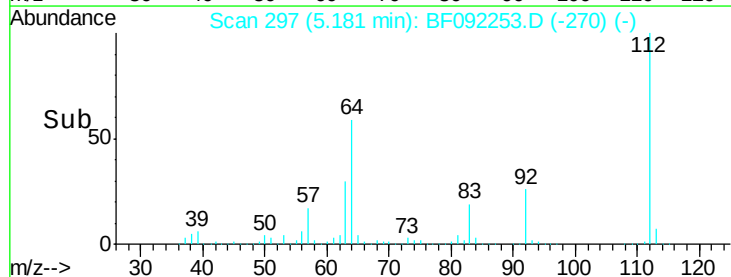
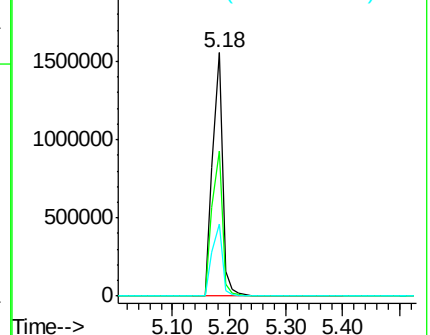
63 29.7 23.8 35.6

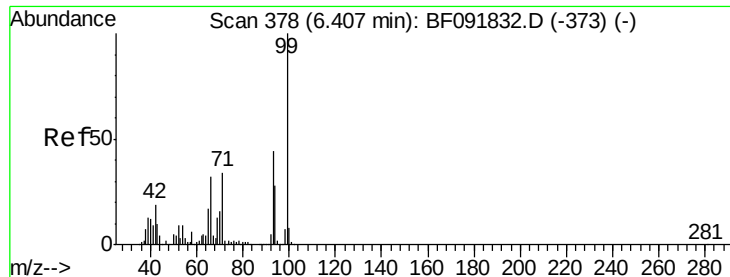


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.66 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

Instrument :

BNA\_F

ClientSampleId :

PB95972BL

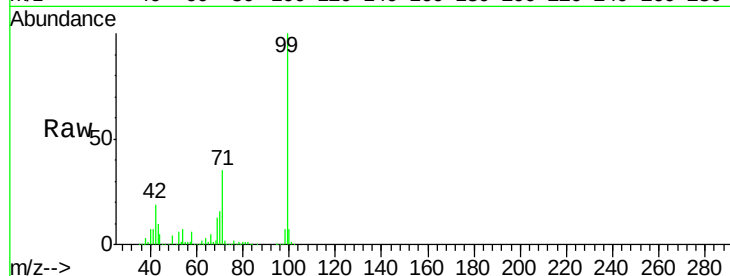
Tgt Ion: 99 Resp: 1919495

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

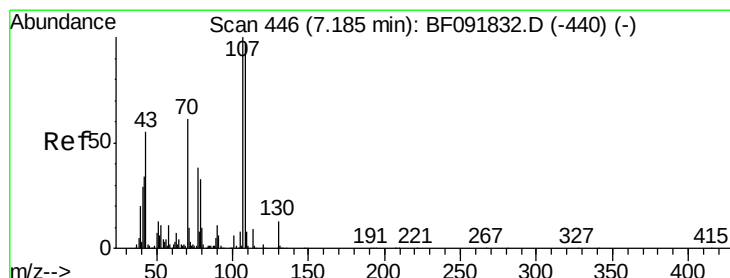
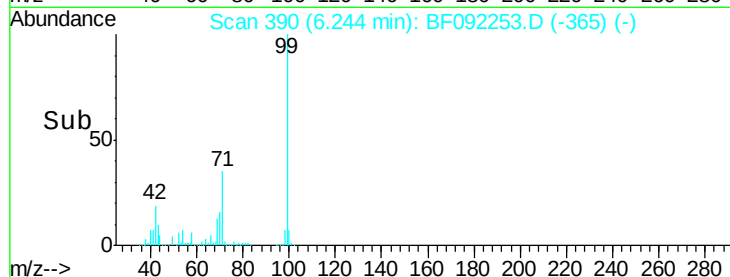
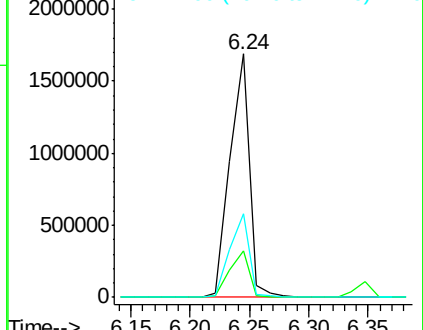
71 34.5 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.96 ng

RT: 7.15 min Scan# 469

Delta R.T. 0.13 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

Tgt Ion: 70 Resp: 169162

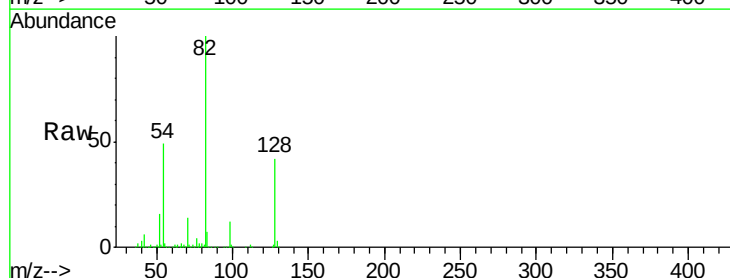
Ion Ratio Lower Upper

70 100

42 45.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

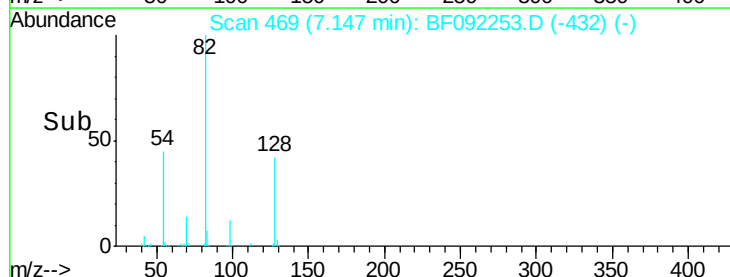
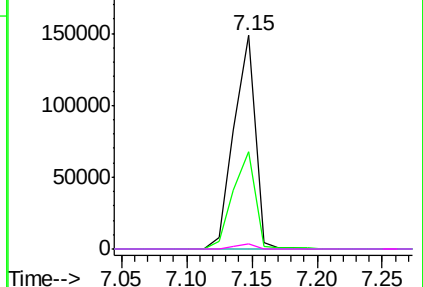


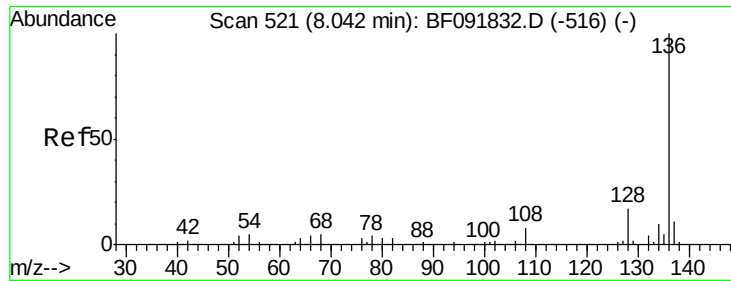
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

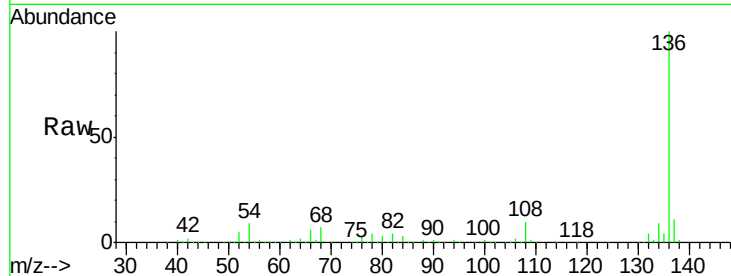




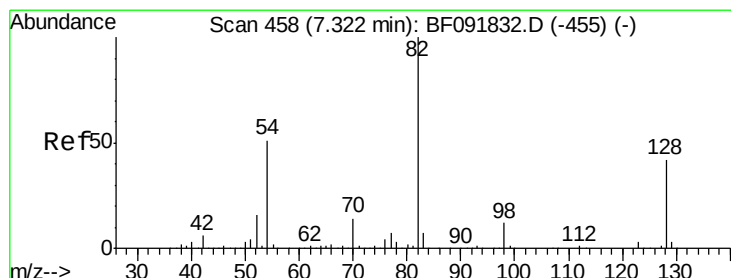
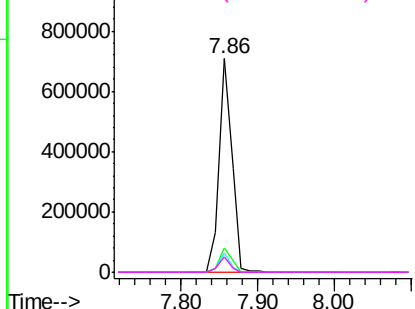
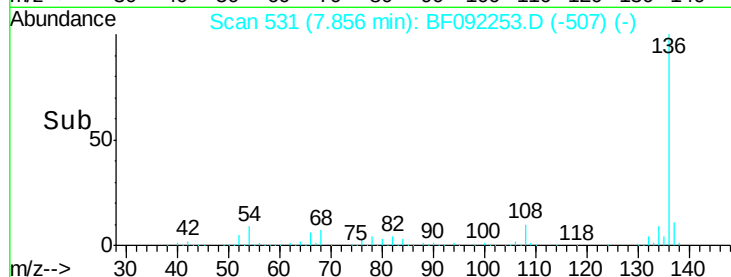
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.86 min Scan# 531  
Delta R.T. -0.02 min  
Lab File: BF092253.D  
Acq: 13 Jan 2017 20:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB95972BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 830152 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.4   | 12.6   |
| 54       | 8.9   | 4.5   | 6.7#   |
| 68       | 6.9   | 3.6   | 5.4#   |

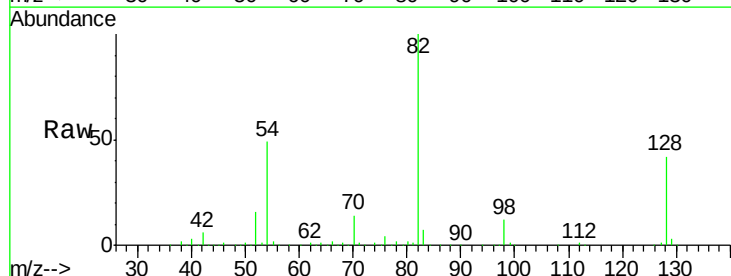


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

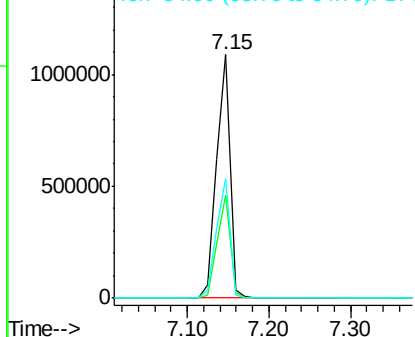
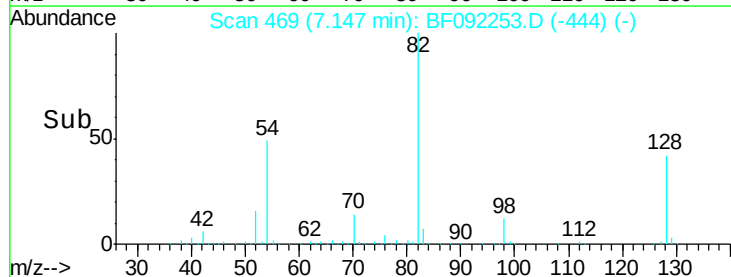


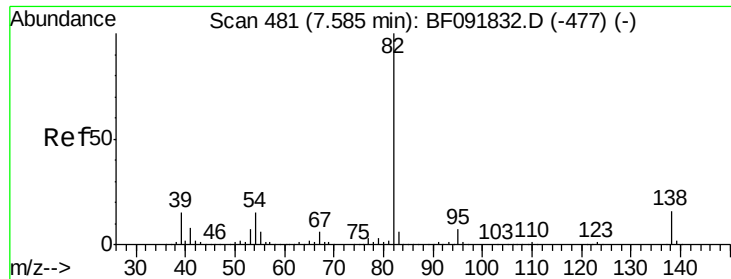
#23  
Nitrobenzene-d5  
Concen: 83.86 ng  
RT: 7.15 min Scan# 469  
Delta R.T. -0.01 min  
Lab File: BF092253.D  
Acq: 13 Jan 2017 20:31

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1251943 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 42.3  | 34.6  | 52.0    |
| 54       | 49.1  | 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: 43.98 ng

RT: 7.15 min Scan# 469

Delta R.T. -0.27 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

Instrument :

BNA\_F

ClientSampled :

PB95972BL

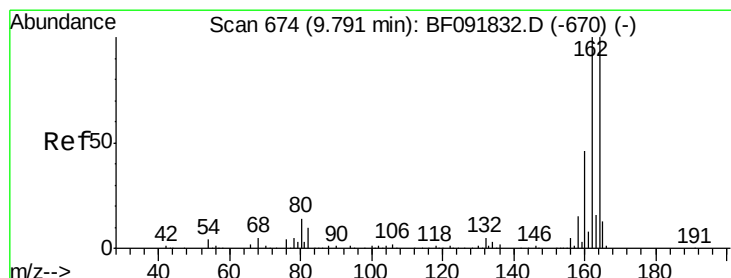
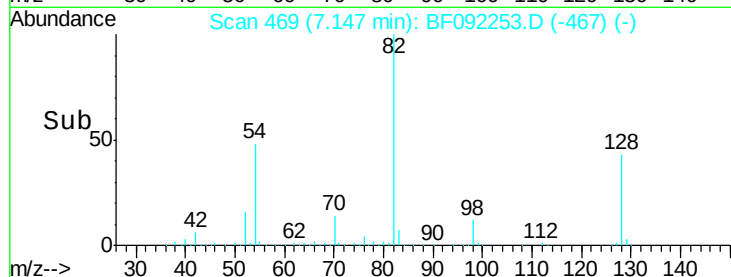
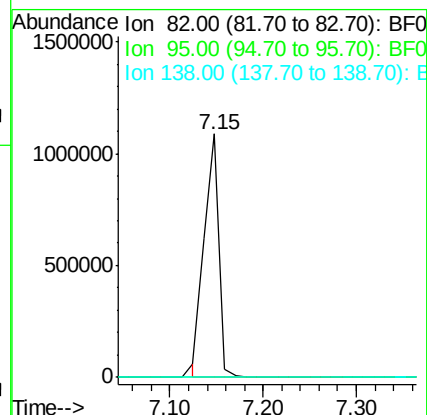
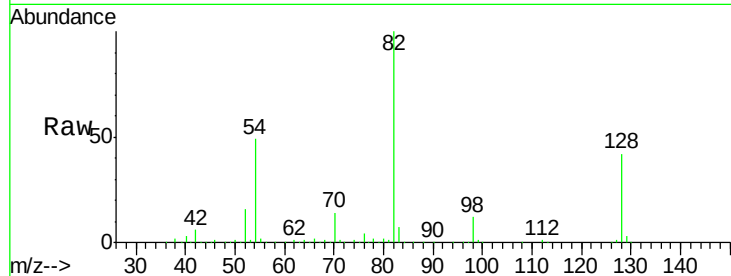
Tgt Ion: 82 Resp: 1211327

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

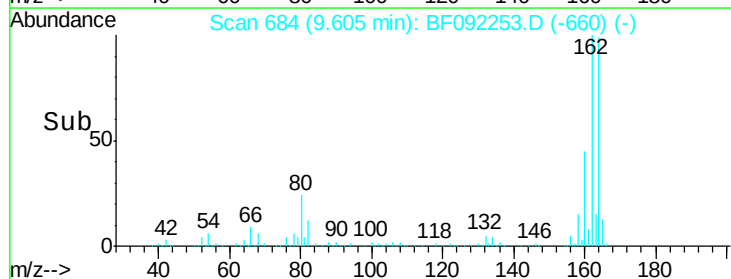
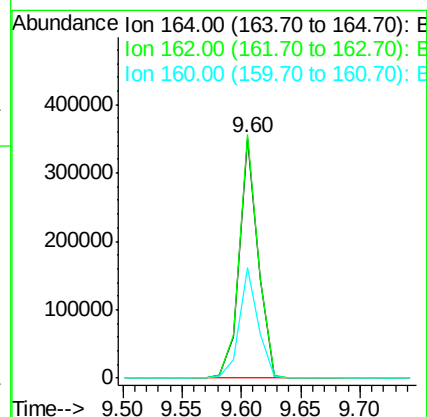
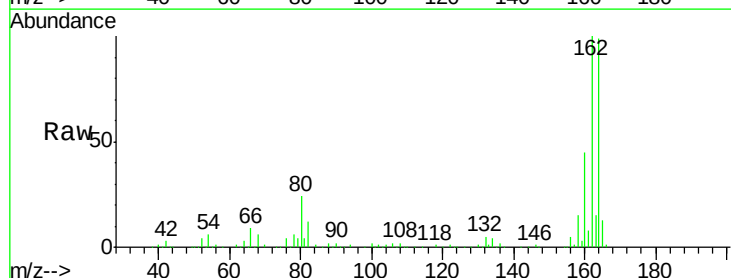
Tgt Ion: 164 Resp: 389542

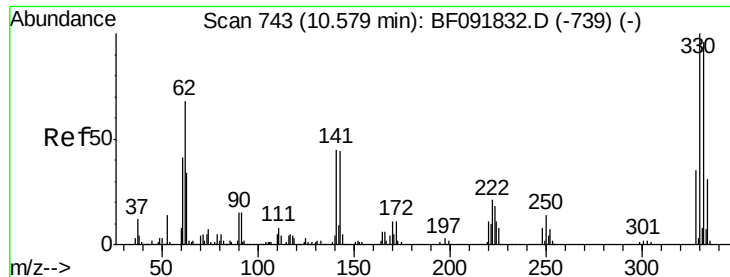
Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

160 45.9 36.9 55.3

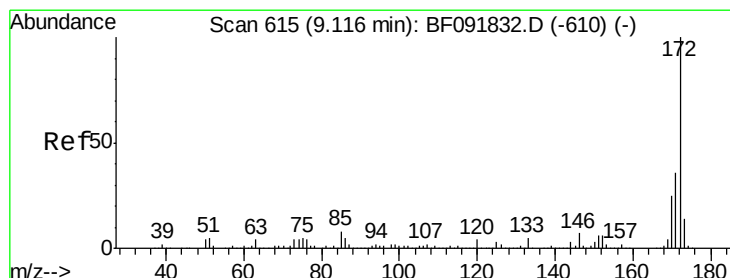
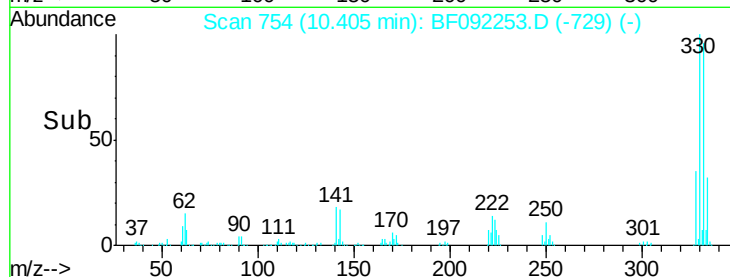
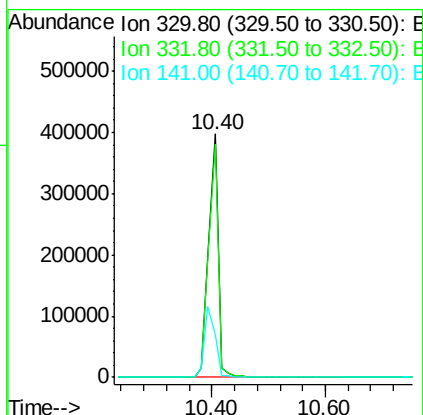
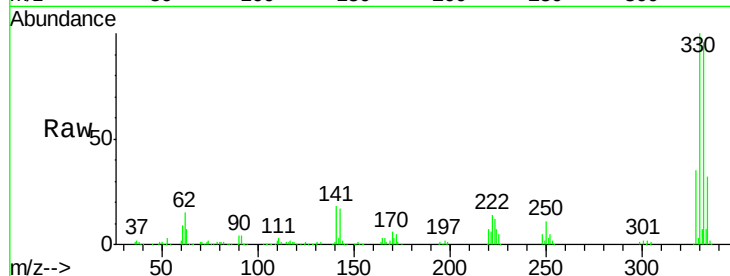




#41  
 2,4,6-Tribromophenol  
 Concen: 137.12 ng  
 RT: 10.40 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

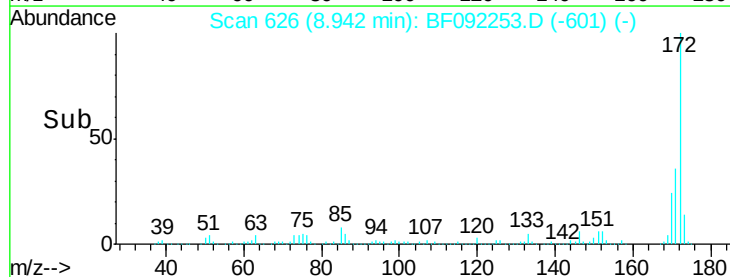
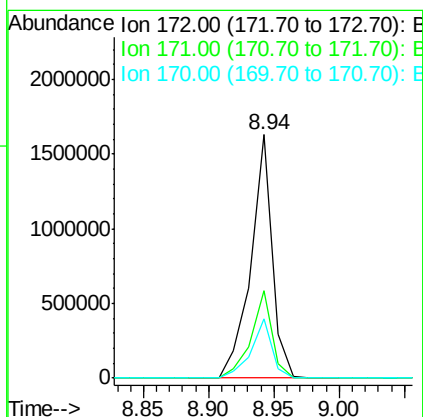
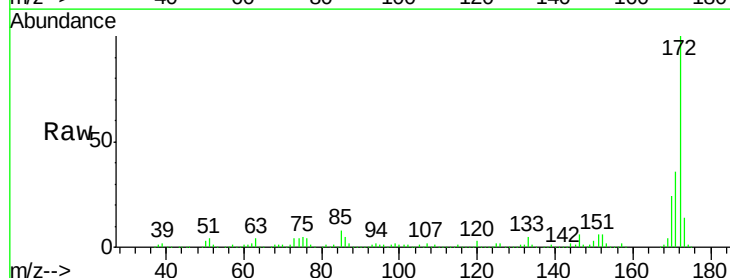
Instrument :  
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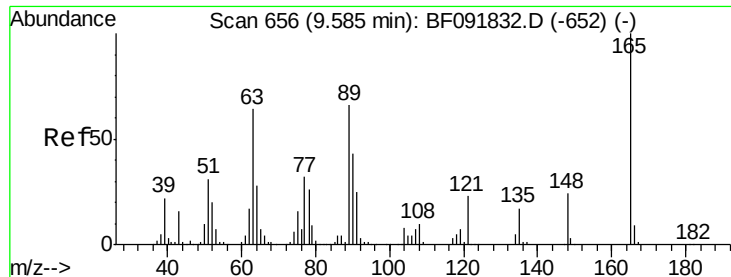
Tgt Ion:330 Resp: 442026  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.4 116.2  
 141 32.7 34.1 51.1#



#44  
 2-Fluorobiphenyl  
 Concen: 100.85 ng  
 RT: 8.94 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

Tgt Ion:172 Resp: 1871677  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.4 44.0  
 170 24.2 20.2 30.4

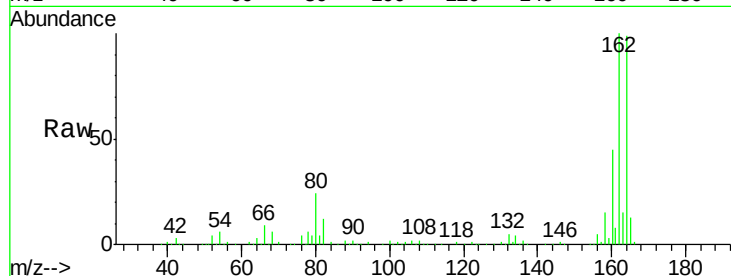




#50  
 2,6-Dinitrotoluene  
 Concen: 9.05 ng  
 RT: 9.60 min Scan# 684  
 Delta R.T. 0.17 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95972BL

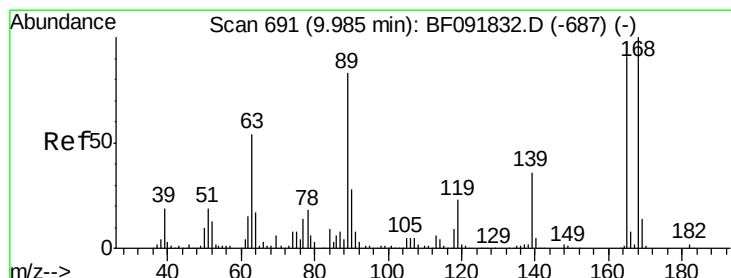
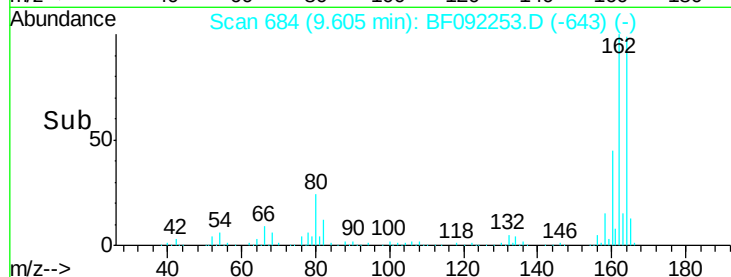
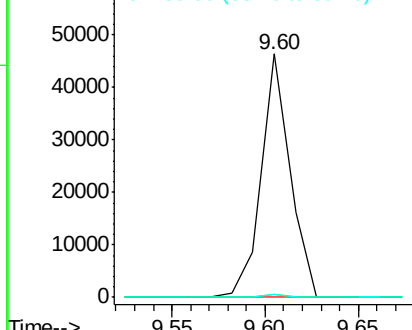
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 36.2  | 54.4# |
| 89      | 1.1   | 40.2  | 60.4# |



Abundance Ion 165.00 (164.70 to 165.70): E

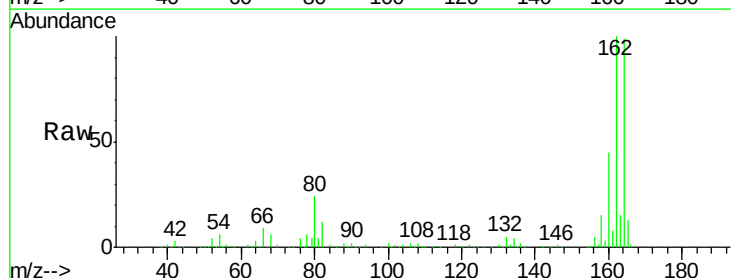
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 7.21 ng  
 RT: 9.60 min Scan# 684  
 Delta R.T. -0.23 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 40.2  | 60.4# |
| 89      | 1.1   | 62.5  | 93.7# |
| 182     | 0.0   | 1.8   | 2.8#  |

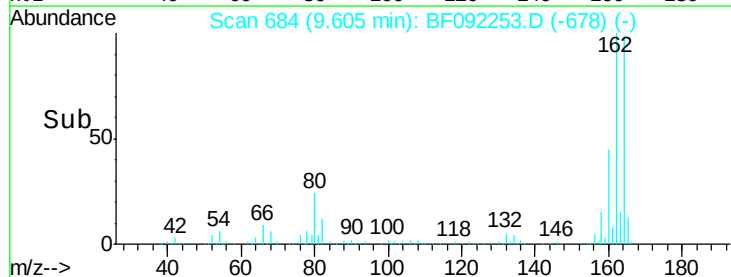
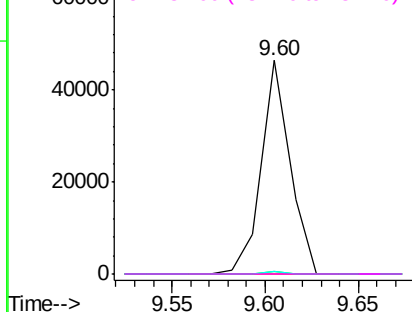


Abundance Ion 165.00 (164.70 to 165.70): E

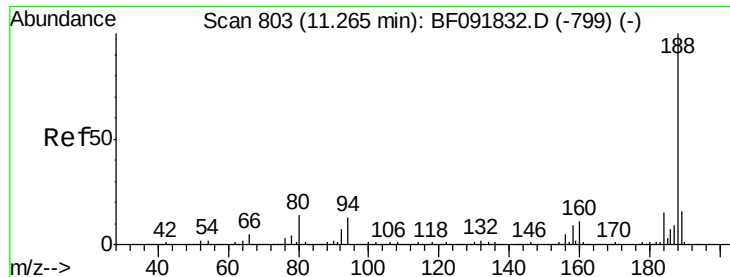
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



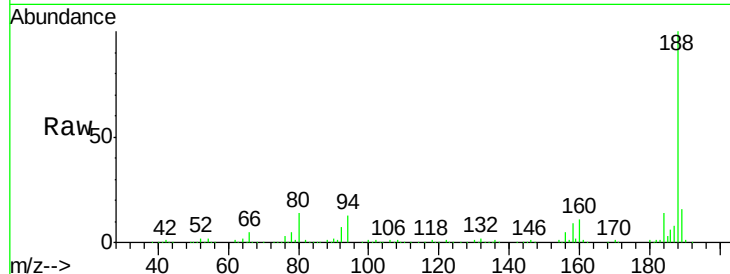




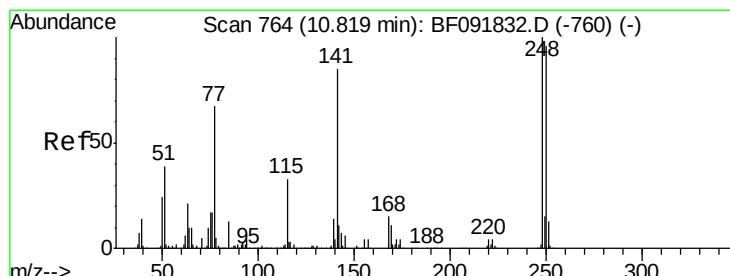
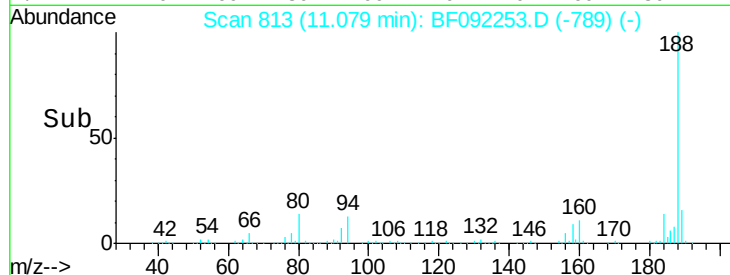
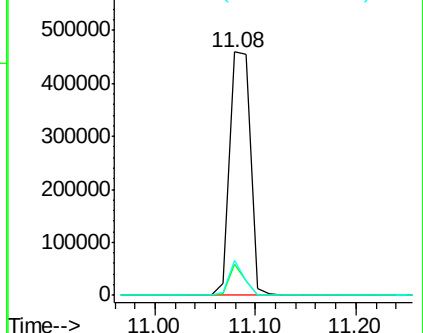
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.08 min Scan# 813  
Delta R.T. -0.02 min  
Lab File: BF092253.D  
Acq: 13 Jan 2017 20:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB95972BL

Tgt Ion:188 Resp: 655242  
Ion Ratio Lower Upper  
188 100  
94 12.8 10.0 15.0  
80 14.2 11.2 16.8

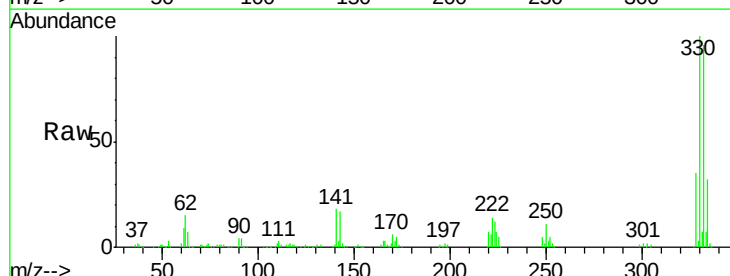


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

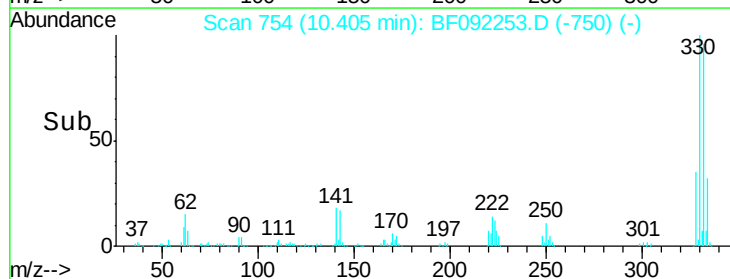
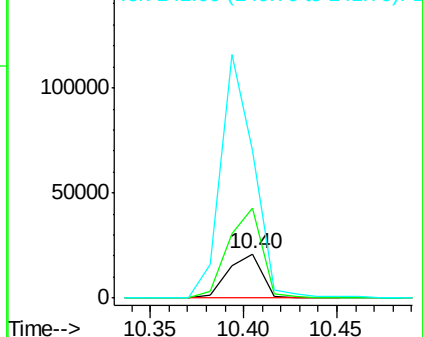


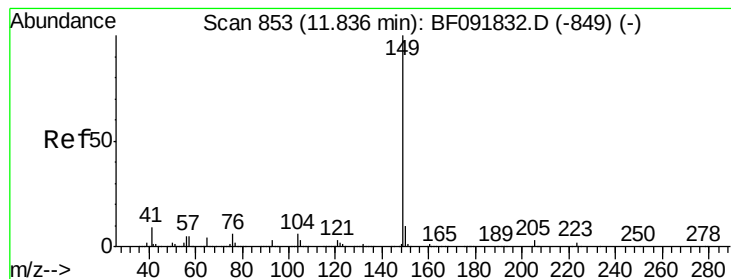
#66  
4-Bromophenyl-phenylether  
Concen: 3.98 ng  
RT: 10.40 min Scan# 754  
Delta R.T. -0.25 min  
Lab File: BF092253.D  
Acq: 13 Jan 2017 20:31

Tgt Ion:248 Resp: 27117  
Ion Ratio Lower Upper  
248 100  
250 200.9 76.9 115.3#  
141 331.3 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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.66 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

Instrument :

BNA\_F

ClientSampleId :

PB95972BL

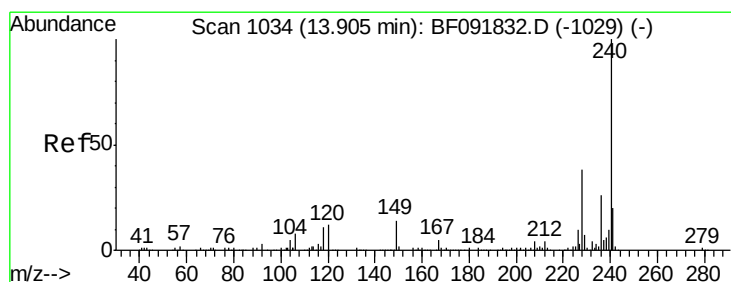
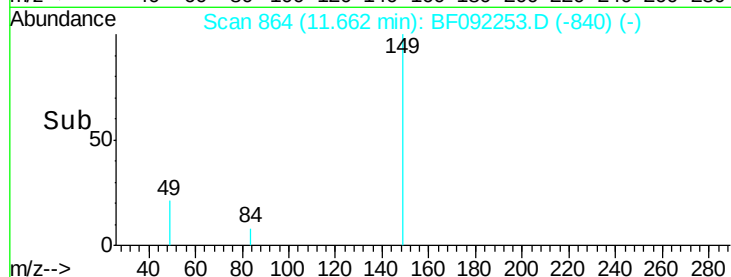
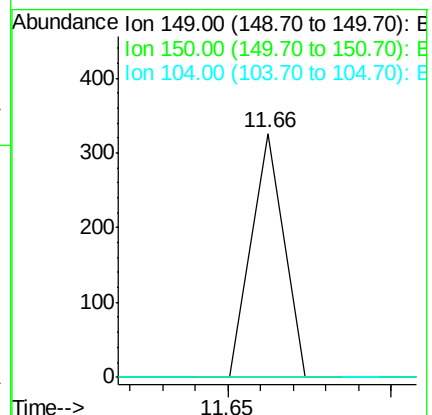
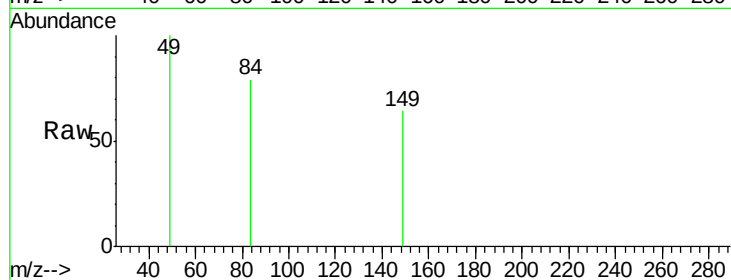
Tgt Ion:149 Resp: 224

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

104 0.0 4.6 7.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF092253.D

Acq: 13 Jan 2017 20:31

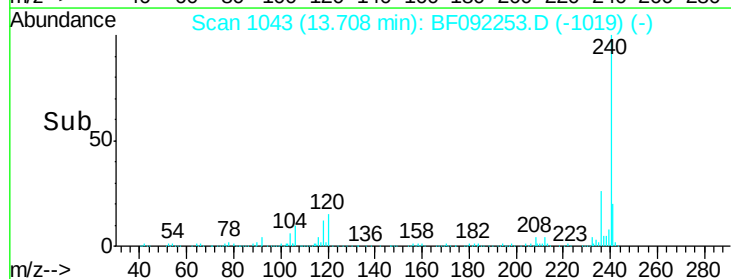
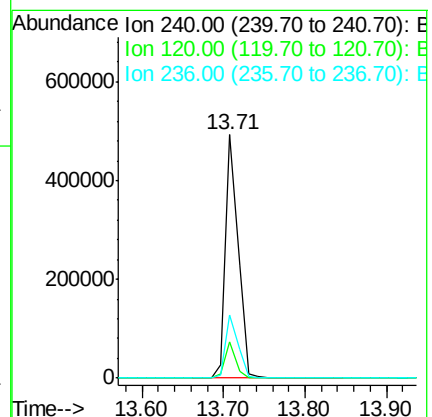
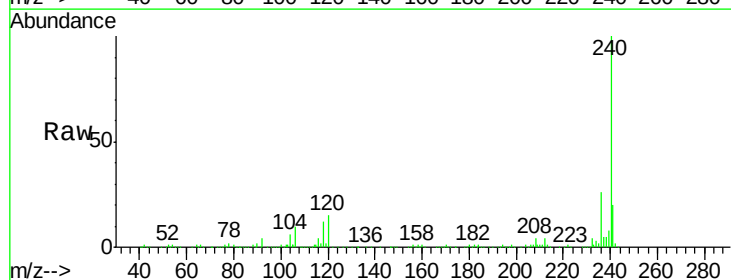
Tgt Ion:240 Resp: 525785

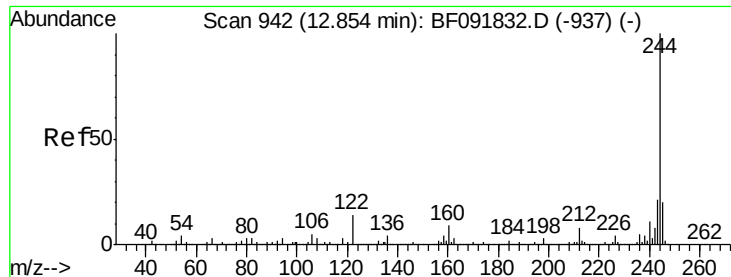
Ion Ratio Lower Upper

240 100

120 14.8 12.9 19.3

236 25.9 20.9 31.3

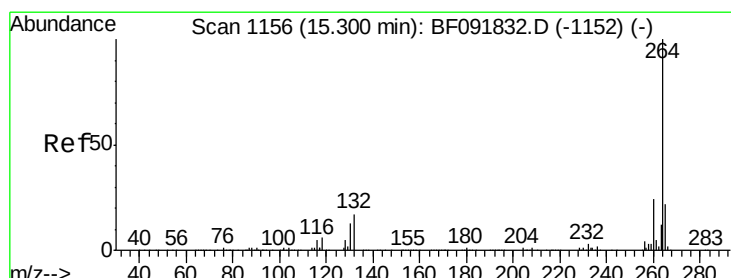
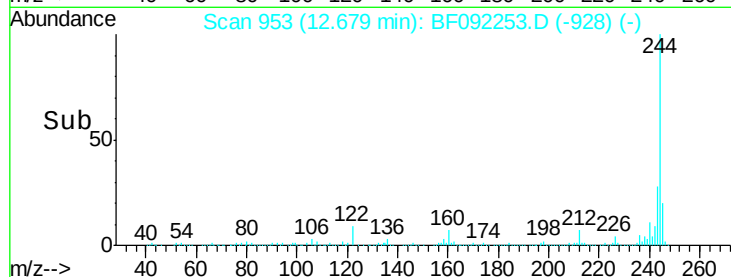
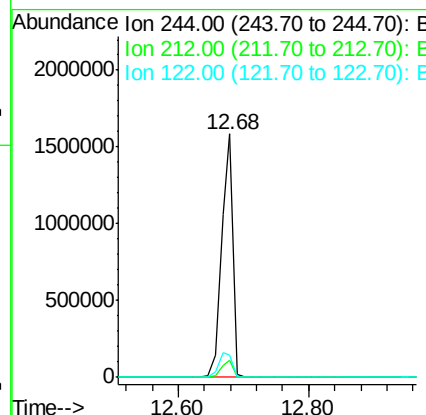
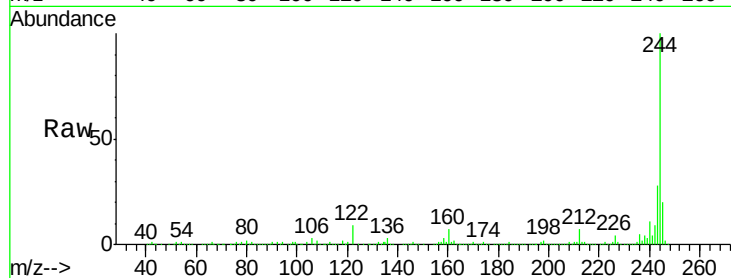




#78  
 Terphenyl-d14  
 Concen: 89.47 ng  
 RT: 12.68 min Scan# 953  
 Delta R.T. -0.01 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB95972BL

Tgt Ion:244 Resp: 1939632  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.2 9.2  
 122 9.3 11.4 17.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1162  
 Delta R.T. -0.02 min  
 Lab File: BF092253.D  
 Acq: 13 Jan 2017 20:31

Tgt Ion:264 Resp: 438922  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 21.5 17.4 26.0

