

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070215\  
 Data File : BF080314.D  
 Acq On : 2 Jul 2015 18:02  
 Operator : TP/UM  
 Sample : PB84340BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84340BL

Quant Time: Jul 03 04:17:26 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 03 03:51:56 2015  
 Response via : Initial Calibration

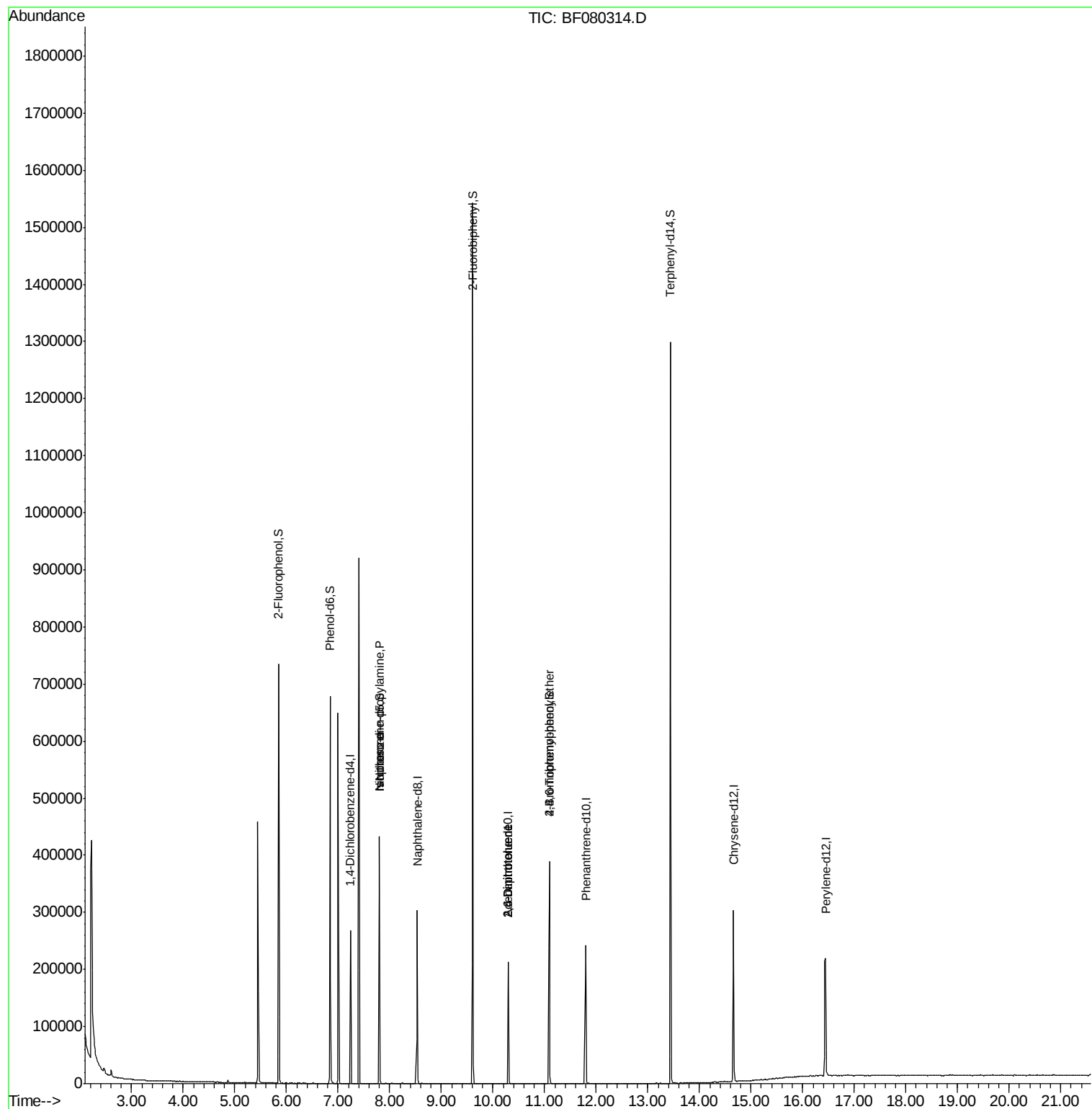
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.24  | 152  | 36702    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.53  | 136  | 134790   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.29 | 164  | 63247    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.80 | 188  | 131520   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 14.66 | 240  | 145516   | 20.00 | ng    | -0.19    |
| 86) Perylene-d12               | 16.44 | 264  | 136952   | 20.00 | ng    | -0.32    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.85  | 112  | 178668   | 84.30 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.84  | 99   | 219749   | 77.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.80  | 82   | 185147   | 75.63 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.09 | 330  | 55794    | 92.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.61  | 172  | 432710   | 98.47 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.44 | 244  | 485065   | 78.08 | ng    | -0.10    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.80  | 70   | 22863    | 12.09 | ng    | # 74     |
| 25) Isophorone                 | 7.80  | 82   | 184816   | 38.84 | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 10.29 | 165  | 7984     | 8.08  | ng    | # 43     |
| 56) 2,4-Dinitrotoluene         | 10.29 | 165  | 7985     | 6.23  | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 11.09 | 248  | 3777     | 2.66  | ng    | # 1      |

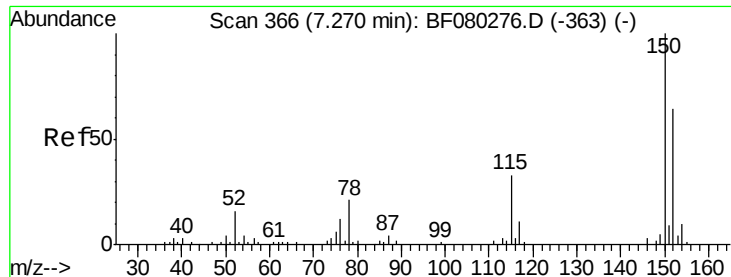
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070215\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070115.M  
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QLast Update : Fri Jul 03 03:51:56 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.00 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Instrument :

BNA\_F

ClientSampleId :

PB84340BL

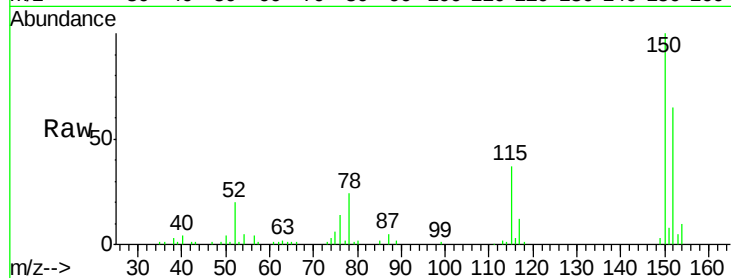
Tgt Ion:152 Resp: 36702

Ion Ratio Lower Upper

152 100

150 153.5 124.7 187.1

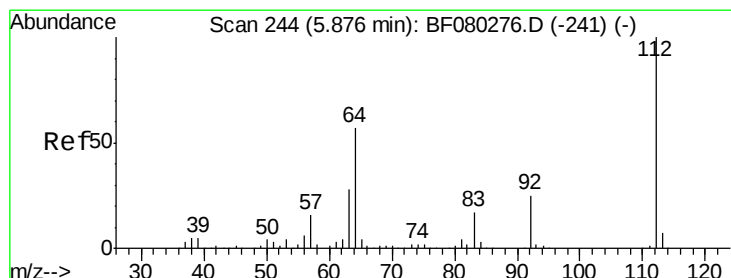
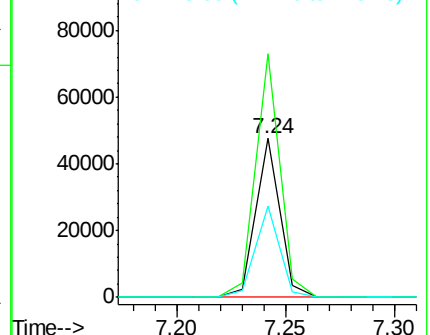
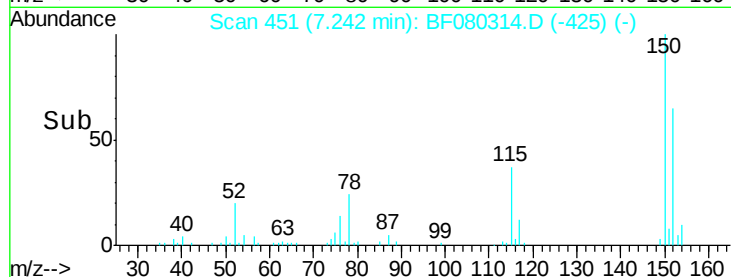
115 57.2 41.0 61.6



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: 84.30 ng

RT: 5.85 min Scan# 329

Delta R.T. -0.00 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

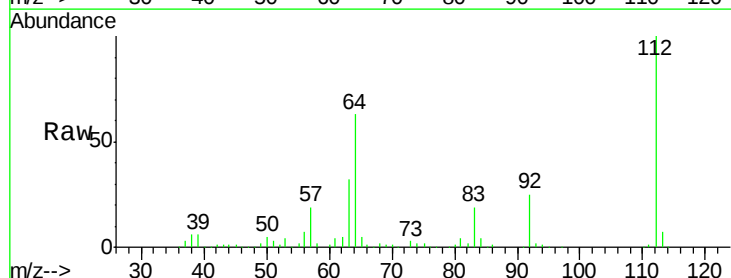
Tgt Ion:112 Resp: 178668

Ion Ratio Lower Upper

112 100

64 62.7 45.5 68.3

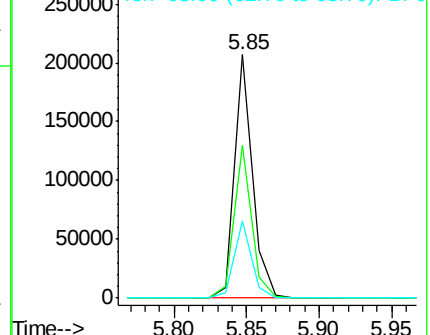
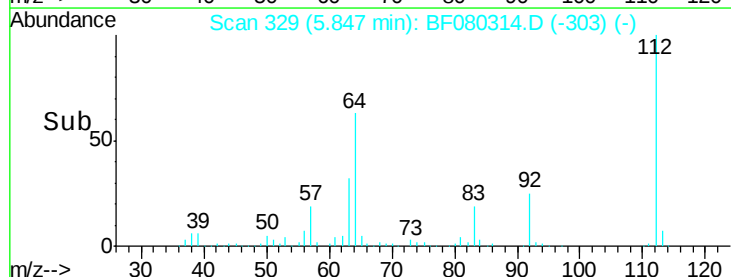
63 31.9 22.4 33.6

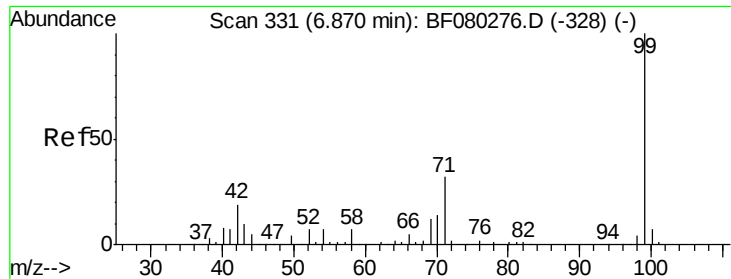


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 77.24 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Instrument :

BNA\_F

ClientSampleId :

PB84340BL

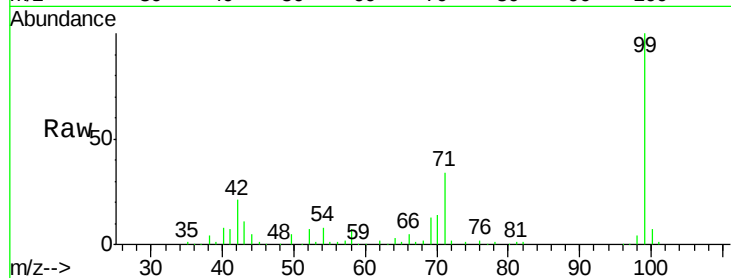
Tgt Ion: 99 Resp: 219749

Ion Ratio Lower Upper

99 100

42 21.0 15.4 23.2

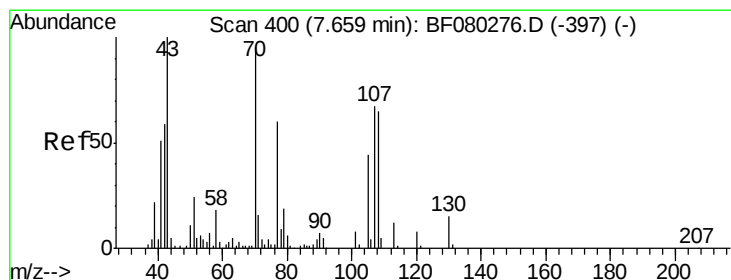
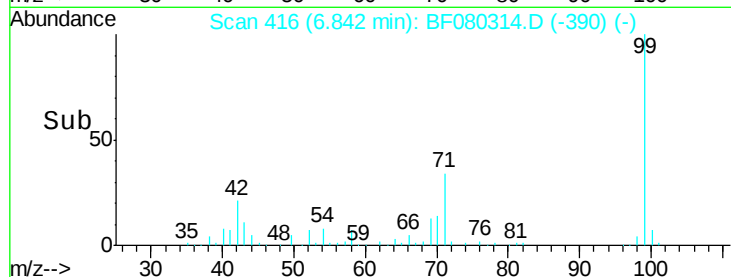
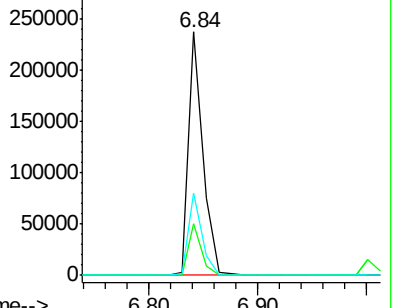
71 33.9 25.8 38.8



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: 12.09 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.16 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Tgt Ion: 70 Resp: 22863

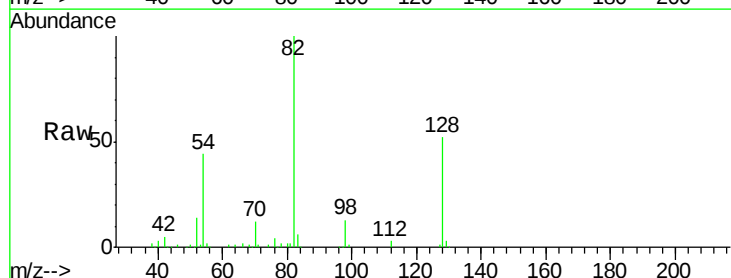
Ion Ratio Lower Upper

70 100

42 43.1 49.8 74.8#

101 0.0 6.8 10.2#

130 2.3 13.0 19.4#

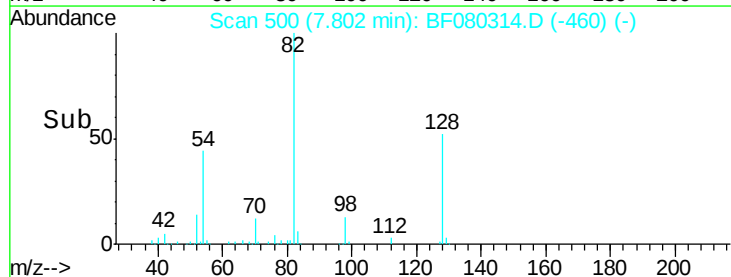
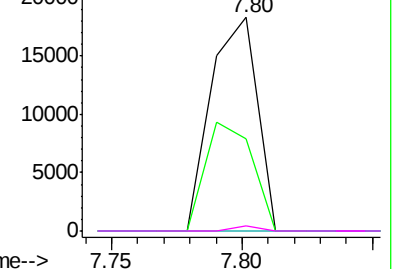


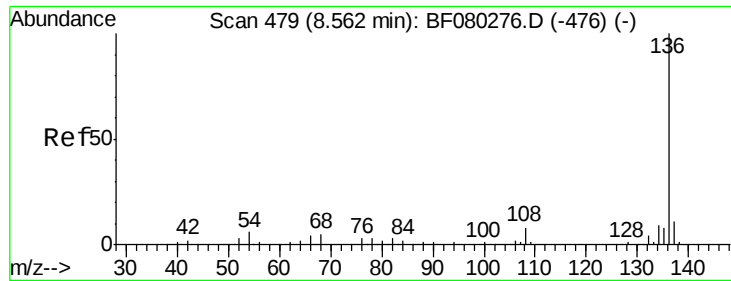
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

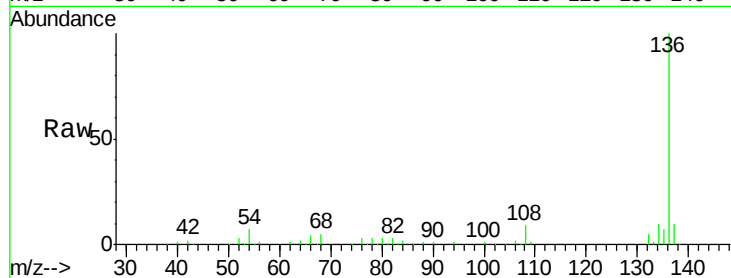




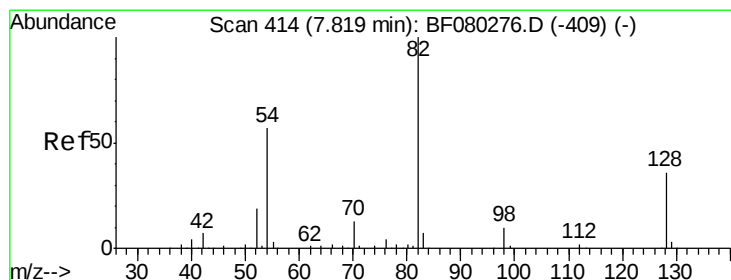
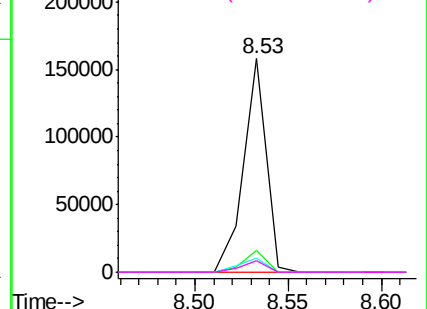
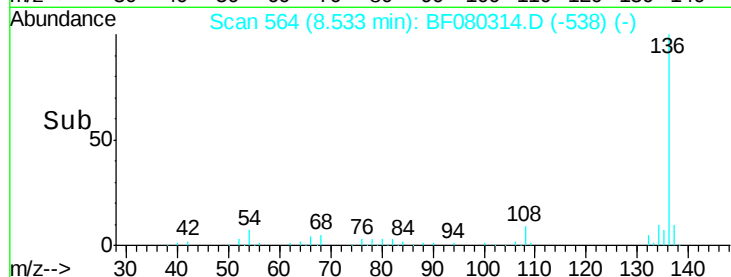
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.53 min Scan# 564  
Delta R.T. -0.00 min  
Lab File: BF080314.D  
Acq: 2 Jul 2015 18:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB84340BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 134790 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.4   | 12.6   |
| 54       | 6.6   | 4.9   | 7.3    |
| 68       | 5.3   | 4.0   | 6.0    |

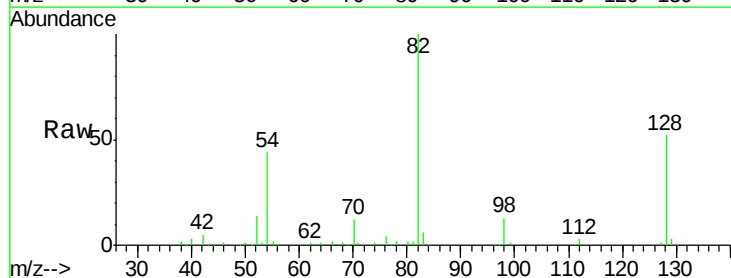


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

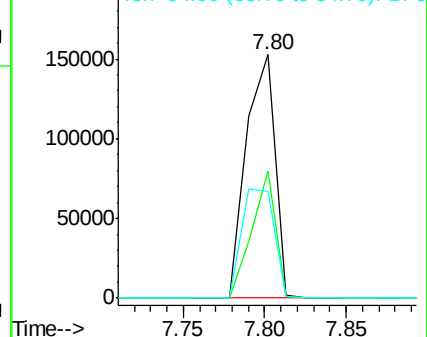
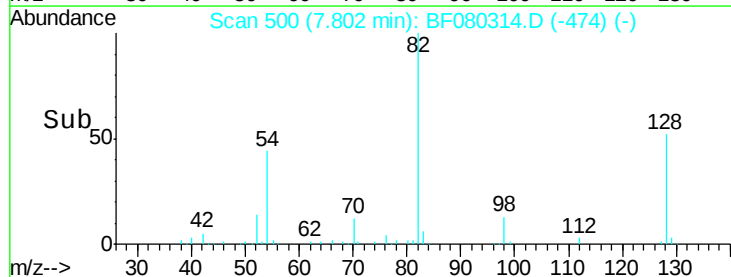


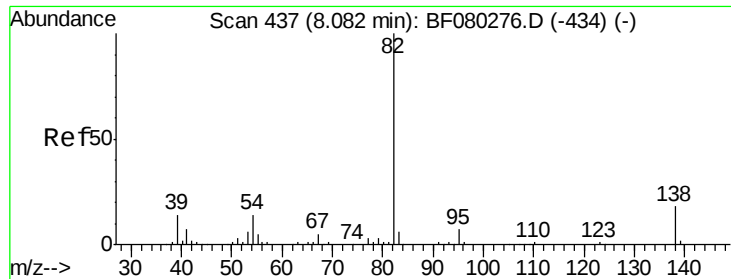
#23  
Nitrobenzene-d5  
Concen: 75.63 ng  
RT: 7.80 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: BF080314.D  
Acq: 2 Jul 2015 18:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 185147 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 52.3  | 29.0  | 43.4#  |
| 54       | 44.1  | 45.3  | 67.9#  |



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: 38.84 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.25 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Instrument :

BNA\_F

ClientSampleId :

PB84340BL

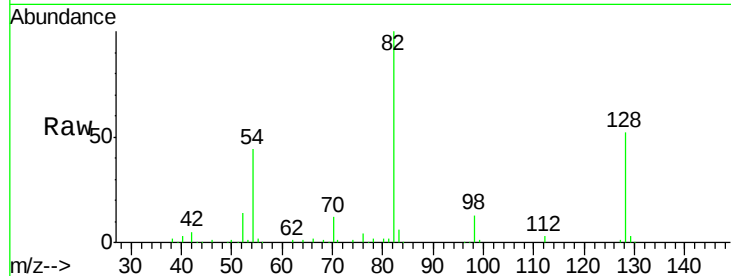
Tgt Ion: 82 Resp: 184816

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 14.4 21.6#

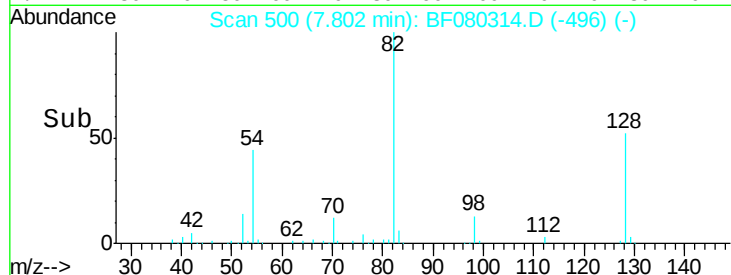


Abundance Ion 82.00 (81.70 to 82.70): BF080314.D (-496) (-)

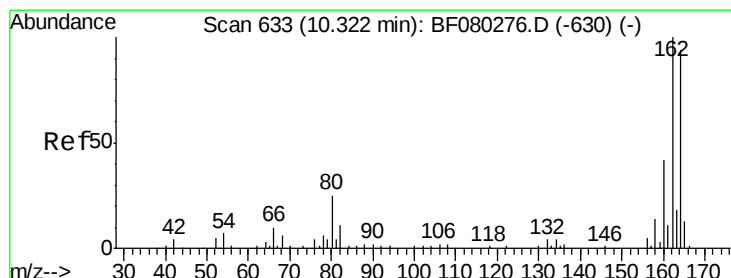
Ion 95.00 (94.70 to 95.70): BF080314.D (-496) (-)

Ion 138.00 (137.70 to 138.70): BF080314.D (-496) (-)

Time-->



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

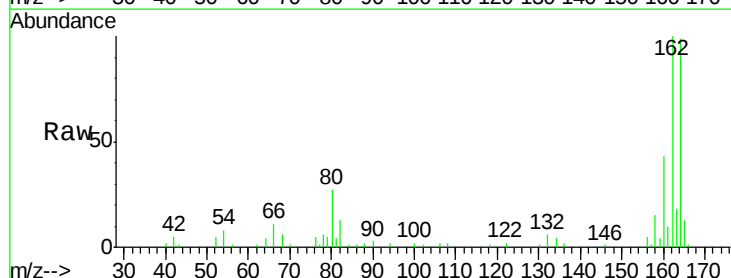
Tgt Ion: 164 Resp: 63247

Ion Ratio Lower Upper

164 100

162 101.3 84.8 127.2

160 43.9 35.8 53.8

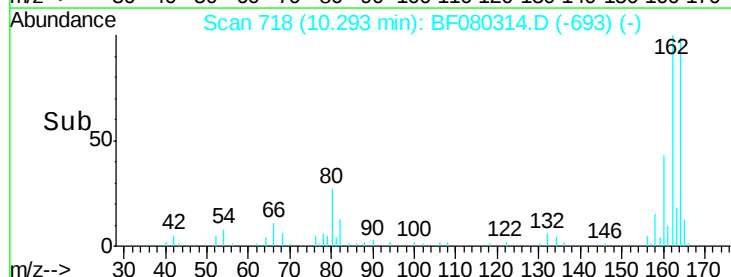


Abundance Ion 164.00 (163.70 to 164.70): BF080314.D (-693) (-)

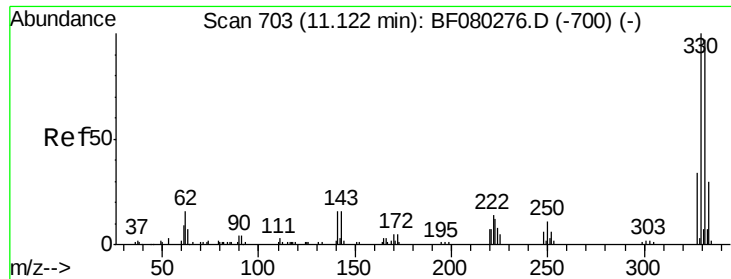
Ion 162.00 (161.70 to 162.70): BF080314.D (-693) (-)

Ion 160.00 (159.70 to 160.70): BF080314.D (-693) (-)

Time-->



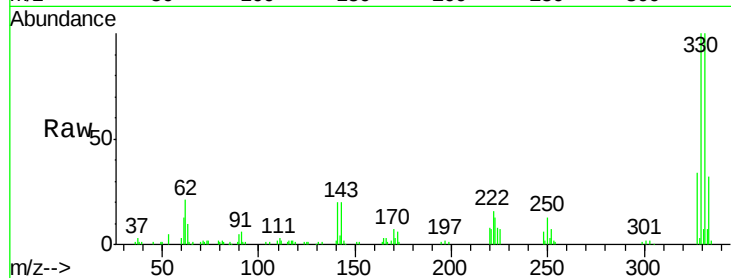
Time-->



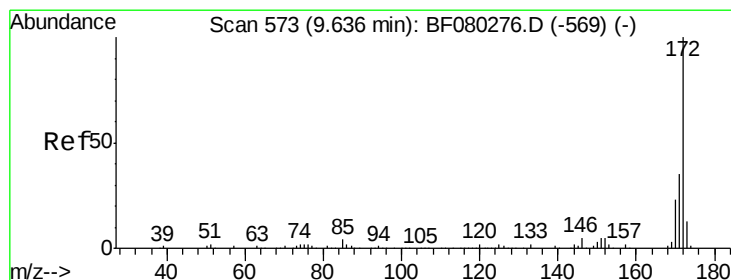
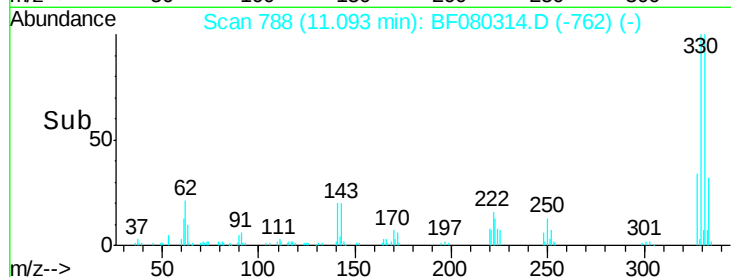
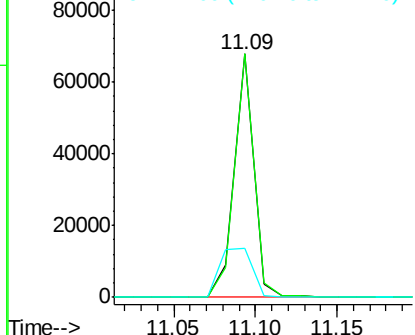
#41  
 2,4,6-Tribromophenol  
 Concen: 92.65 ng  
 RT: 11.09 min Scan# 788  
 Delta R.T. -0.00 min  
 Lab File: BF080314.D  
 Acq: 2 Jul 2015 18:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84340BL

Tgt Ion:330 Resp: 55794  
 Ion Ratio Lower Upper  
 330 100  
 332 99.4 77.4 116.2  
 141 33.9 28.0 42.0

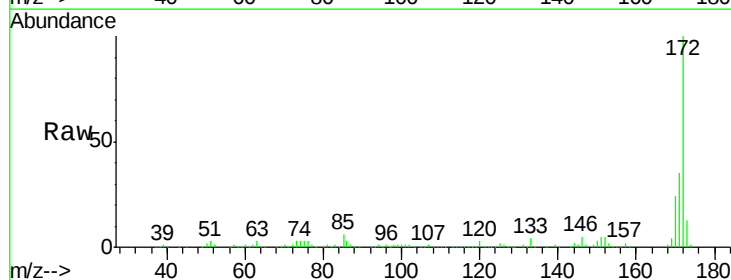


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

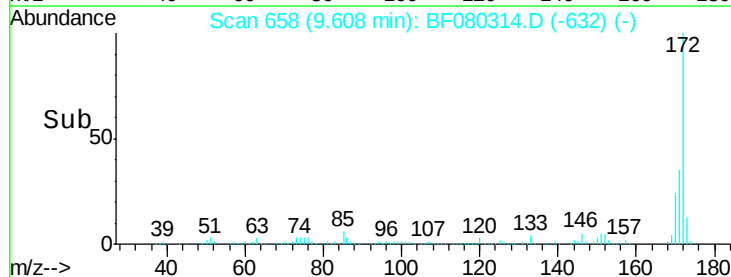
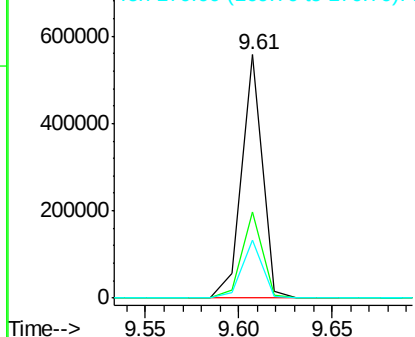


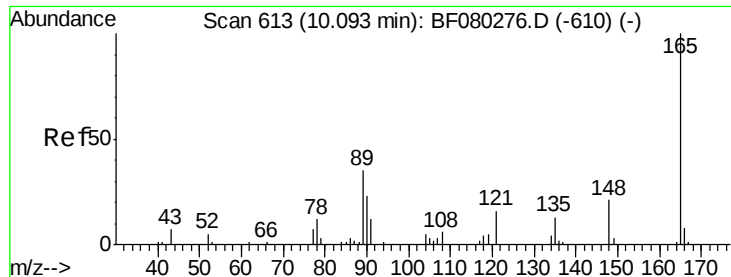
#44  
 2-Fluorobiphenyl  
 Concen: 98.47 ng  
 RT: 9.61 min Scan# 658  
 Delta R.T. -0.00 min  
 Lab File: BF080314.D  
 Acq: 2 Jul 2015 18:02

Tgt Ion:172 Resp: 432710  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.1 42.1  
 170 24.0 18.6 28.0



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

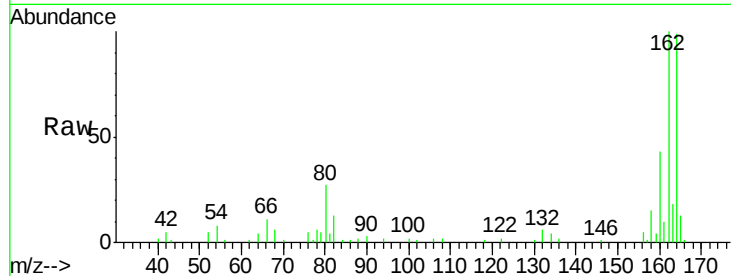




#50  
 2,6-Dinitrotoluene  
 Concen: 8.08 ng  
 RT: 10.29 min Scan# 718  
 Delta R.T. 0.23 min  
 Lab File: BF080314.D  
 Acq: 2 Jul 2015 18:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84340BL

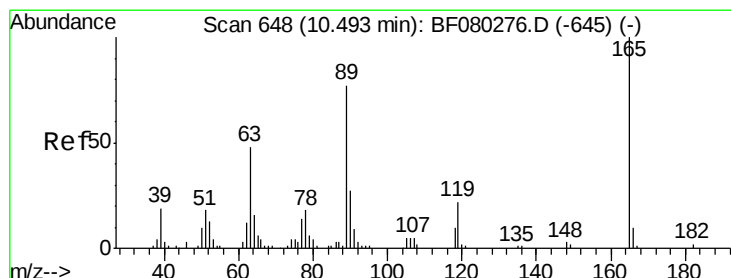
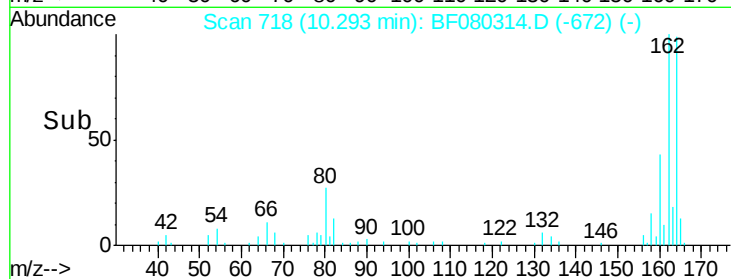
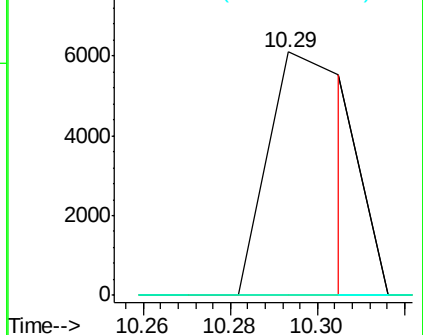
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 23.4  | 35.0# |
| 89      | 0.0   | 27.7  | 41.5# |



Abundance Ion 165.00 (164.70 to 165.70): E

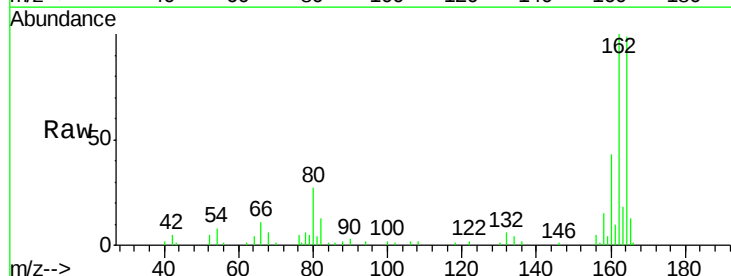
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56  
 2,4-Dinitrotoluene  
 Concen: 6.23 ng  
 RT: 10.29 min Scan# 718  
 Delta R.T. -0.18 min  
 Lab File: BF080314.D  
 Acq: 2 Jul 2015 18:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 38.7  | 58.1# |
| 89      | 0.0   | 62.0  | 93.0# |
| 182     | 0.0   | 1.8   | 2.8#  |

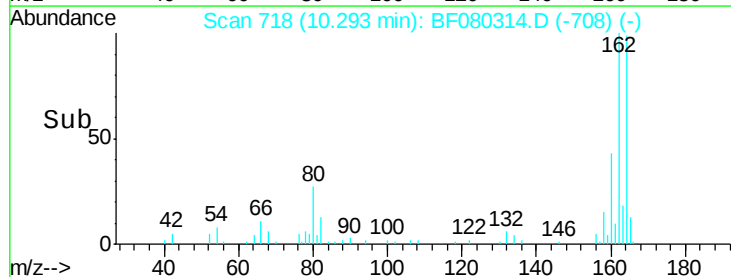
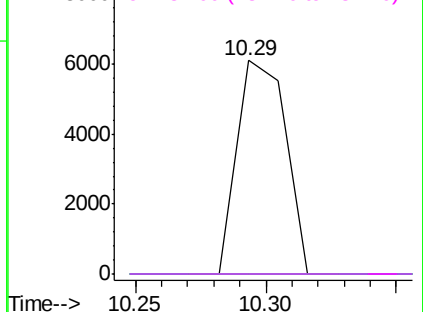


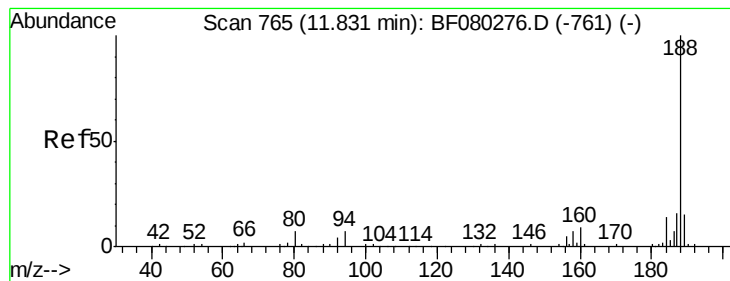
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.80 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Instrument :

BNA\_F

ClientSampleId :

PB84340BL

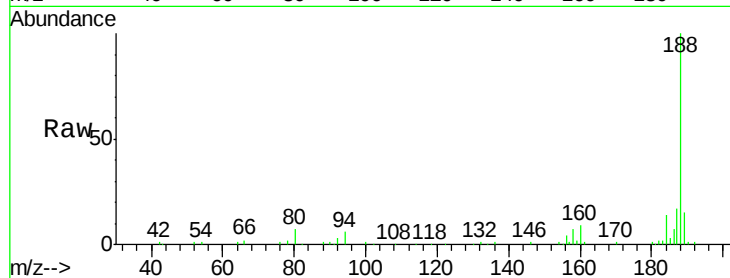
Tgt Ion:188 Resp: 131520

Ion Ratio Lower Upper

188 100

94 5.9 5.4 8.0

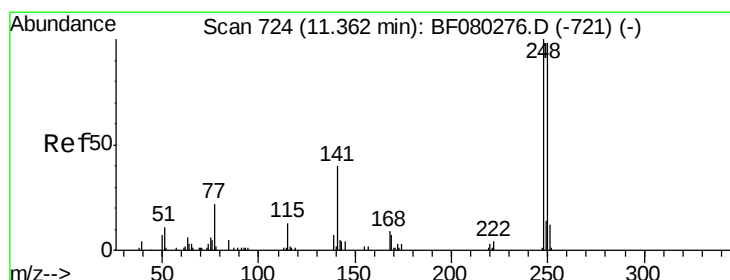
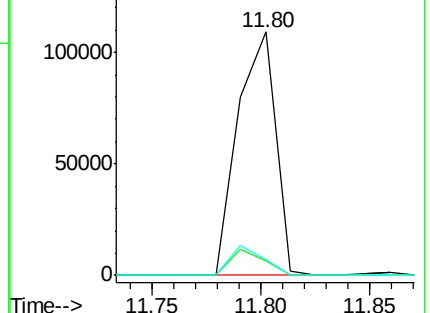
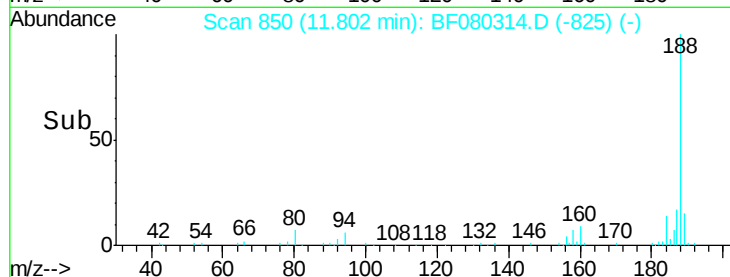
80 6.6 5.8 8.6



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: 2.66 ng

RT: 11.09 min Scan# 788

Delta R.T. -0.24 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

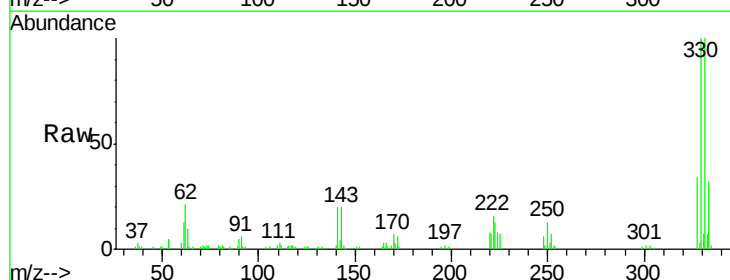
Tgt Ion:248 Resp: 3777

Ion Ratio Lower Upper

248 100

250 205.7 78.2 117.4#

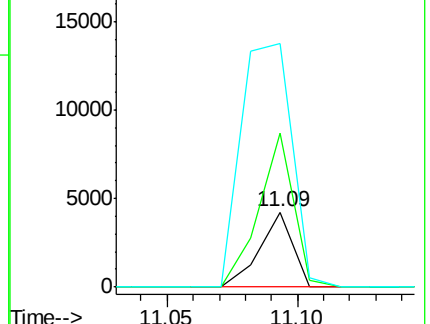
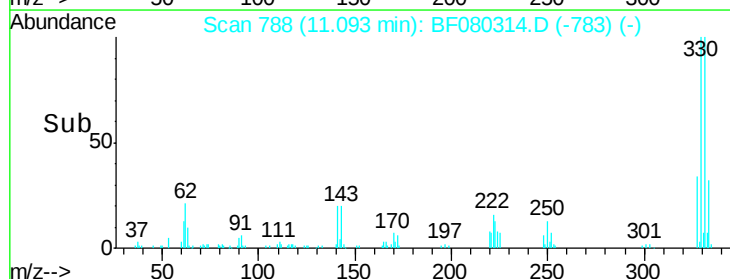
141 325.2 31.9 47.9#

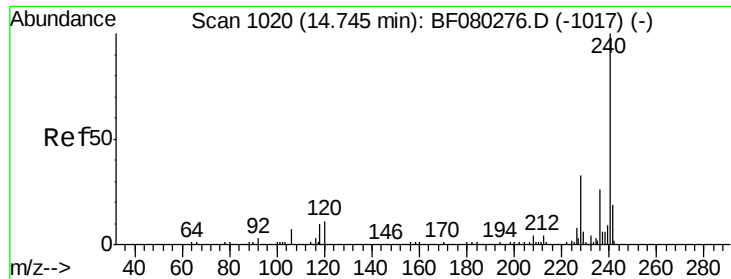


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.66 min Scan# 1100

Delta R.T. -0.19 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

Instrument :

BNA\_F

ClientSampleId :

PB84340BL

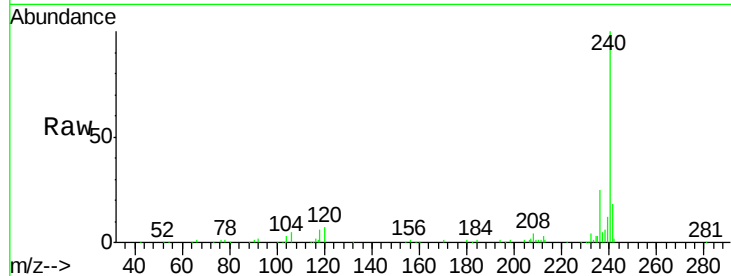
Tgt Ion:240 Resp: 145516

Ion Ratio Lower Upper

240 100

120 7.3 8.7 13.1#

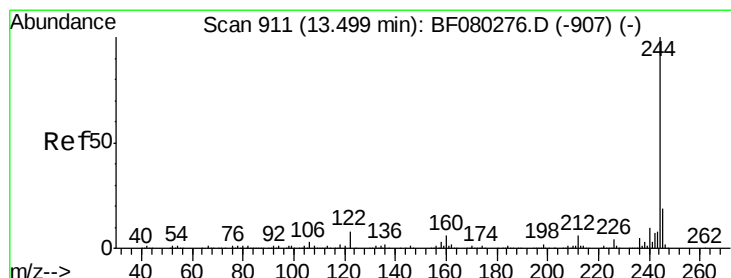
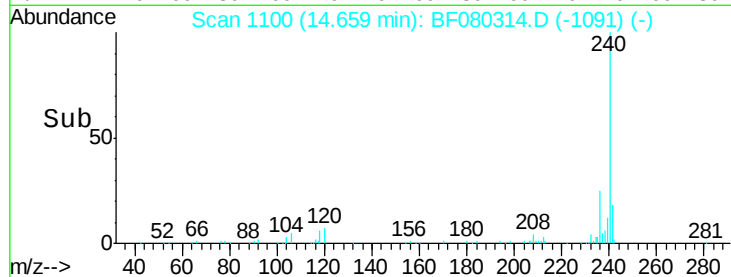
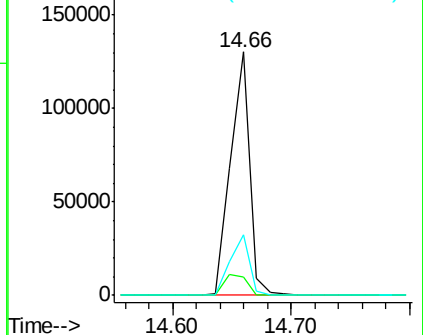
236 24.9 20.9 31.3



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: 78.08 ng

RT: 13.44 min Scan# 993

Delta R.T. -0.10 min

Lab File: BF080314.D

Acq: 2 Jul 2015 18:02

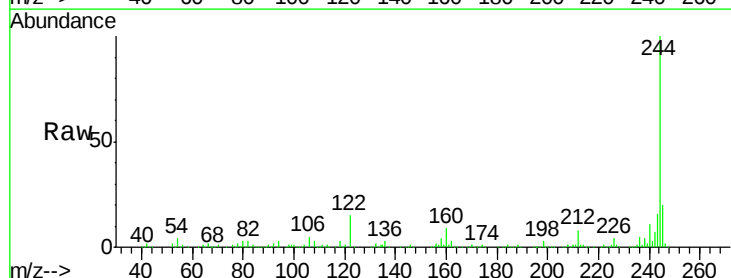
Tgt Ion:244 Resp: 485065

Ion Ratio Lower Upper

244 100

212 7.5 5.0 7.6

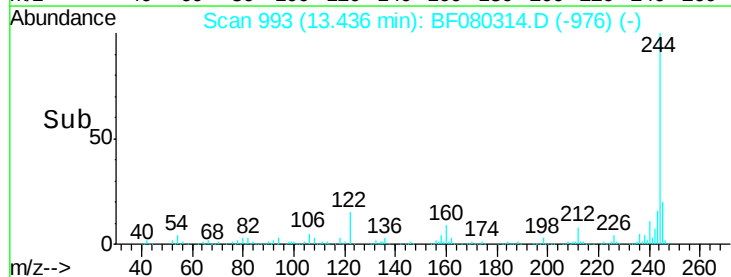
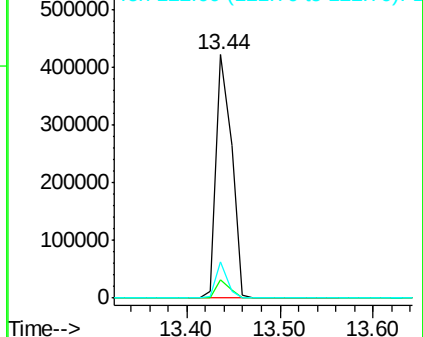
122 14.9 6.6 9.8#

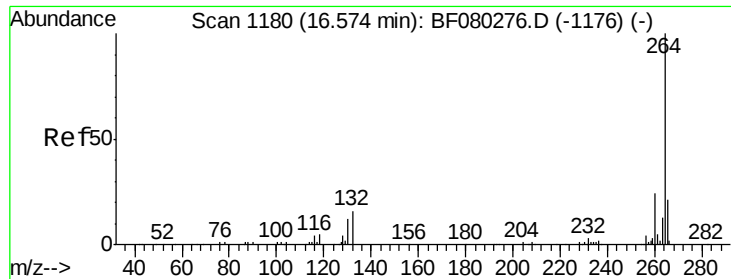


Abundance Ion 244.00 (243.70 to 244.70): E

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: 16.44 min Scan# 1256  
Delta R.T. -0.32 min  
Lab File: BF080314.D  
Acq: 2 Jul 2015 18:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB84340BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 136952 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 19.2  | 28.8   |
| 265      | 21.3  | 16.9  | 25.3   |

