

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
 Data File : BF081391.D  
 Acq On : 3 Sep 2015 22:53  
 Operator : UM/IZ  
 Sample : G3511-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03(10-12)

Quant Time: Sep 04 02:08:25 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 04 02:03:29 2015  
 Response via : Initial Calibration

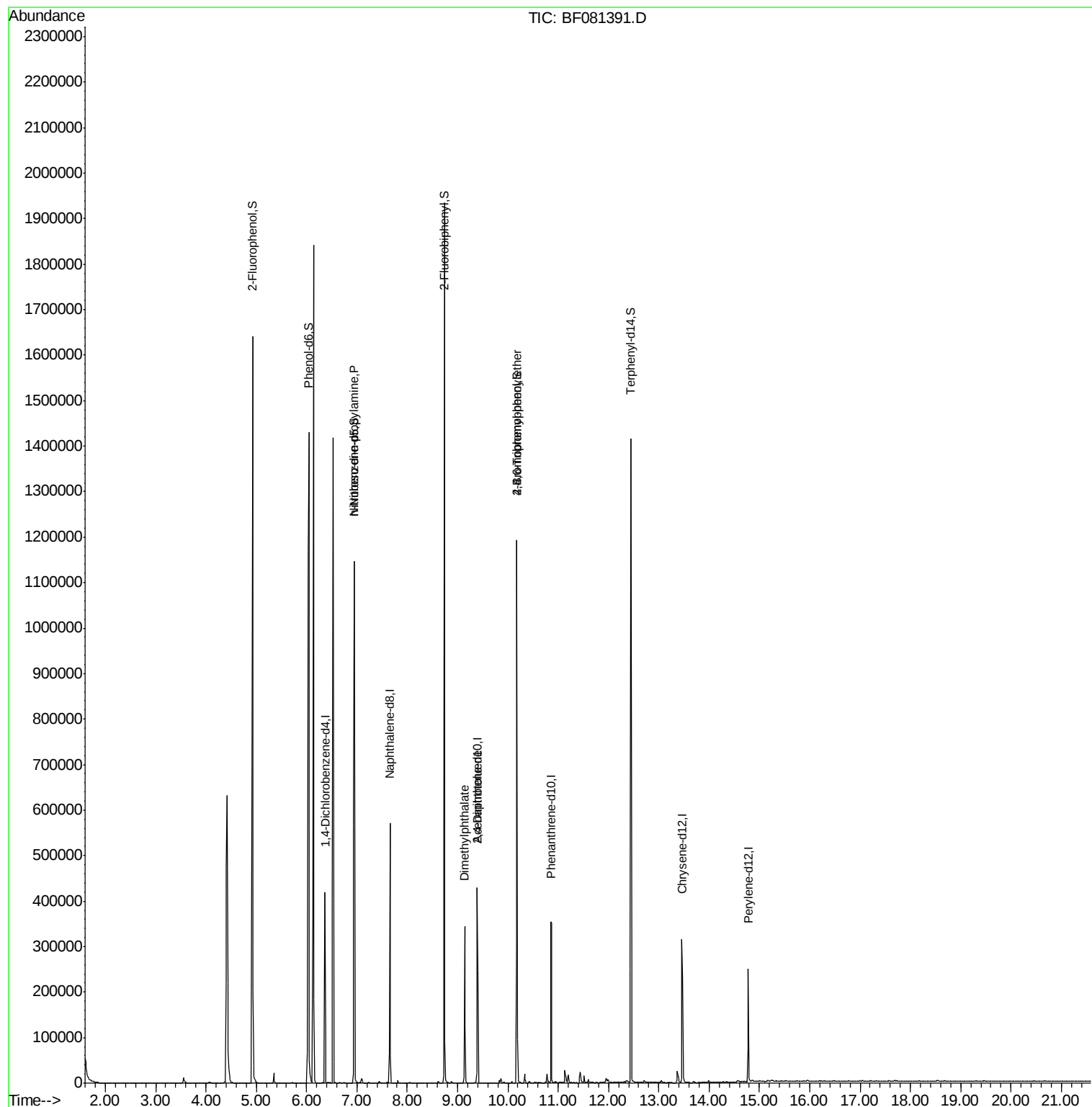
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.36  | 152  | 57866    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 7.66  | 136  | 229773   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.39  | 164  | 102100   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.87 | 188  | 206417   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.46 | 240  | 150099   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.78 | 264  | 99297    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.92  | 112  | 450132   | 120.69 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.04  | 99   | 656373   | 132.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.95  | 82   | 411383   | 86.38  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.18 | 330  | 102568   | 112.82 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.74  | 172  | 577933   | 72.54  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.45 | 244  | 429433   | 66.60  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.95  | 70   | 55909    | 16.64  | ng    | # 61     |
| 49) Dimethylphthalate          | 9.14  | 163  | 141801   | 17.88  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.39  | 165  | 12766    | 5.57   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.18 | 248  | 7874     | 3.77   | ng    | # 1      |

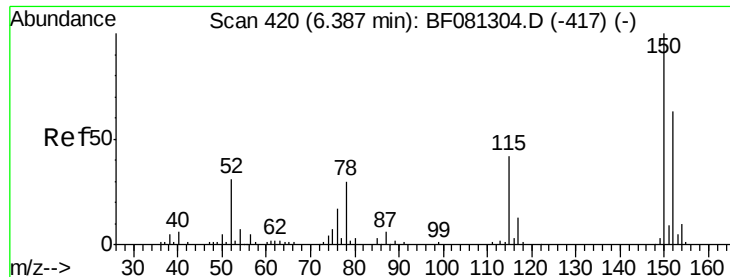
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\  
Data File : BF081391.D  
Acq On : 3 Sep 2015 22:53  
Operator : UM/IZ  
Sample : G3511-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03(10-12)

Quant Time: Sep 04 02:08:25 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 04 02:03:29 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

Instrument :

BNA\_F

ClientSampleId :

SB-03(10-12)

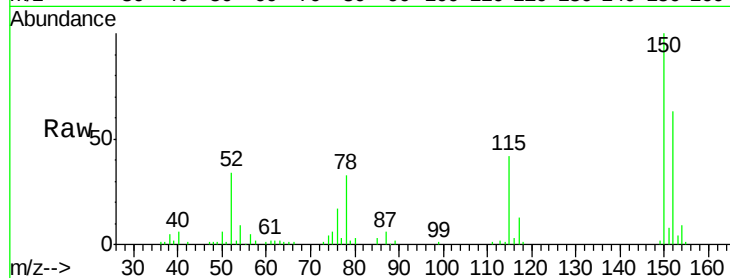
Tot Ion:152 Resp: 57866

Ion Ratio Lower Upper

152 100

150 157.8 124.7 187.1

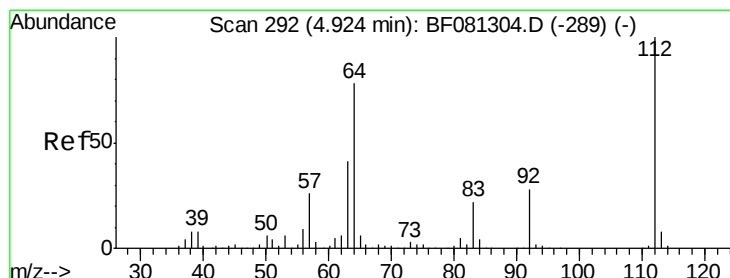
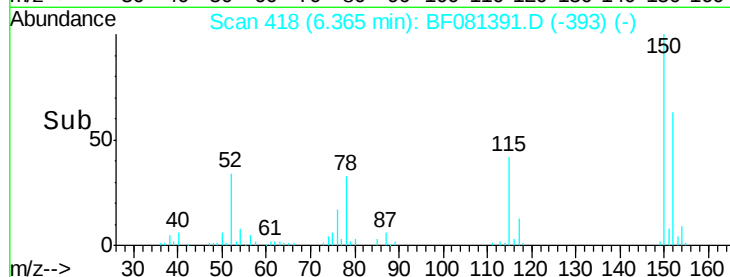
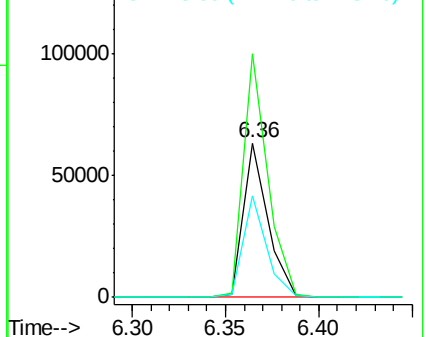
115 66.1 39.0 58.4#



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: 120.69 ng

RT: 4.92 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

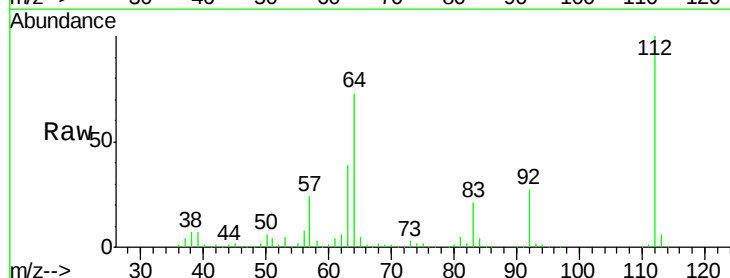
Tgt Ion:112 Resp: 450132

Ion Ratio Lower Upper

112 100

64 72.7 39.7 59.5#

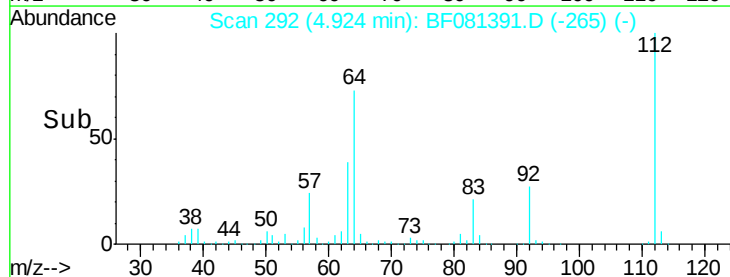
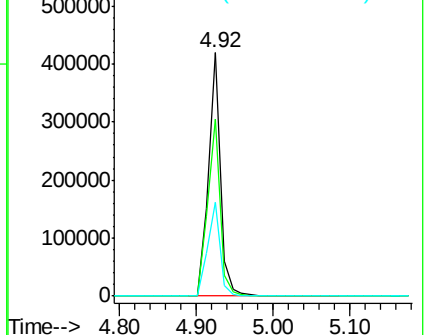
63 38.7 17.4 26.0#

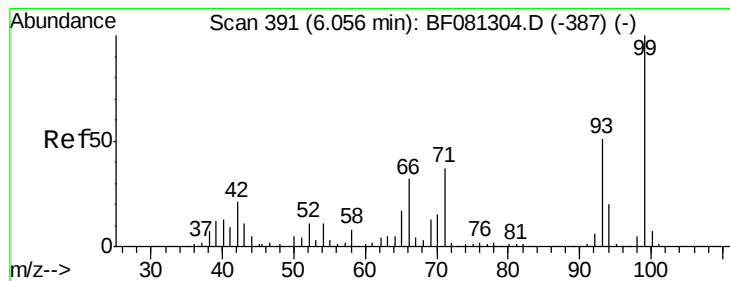


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.95 ng

RT: 6.04 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

Instrument :

BNA\_F

ClientSampleId :

SB-03(10-12)

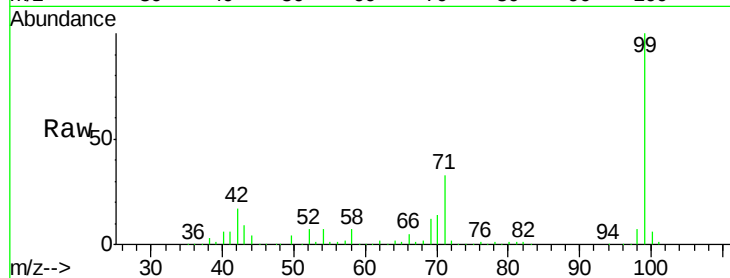
Tot Ion: 99 Resp: 656373

Ion Ratio Lower Upper

99 100

42 16.9 13.7 20.5

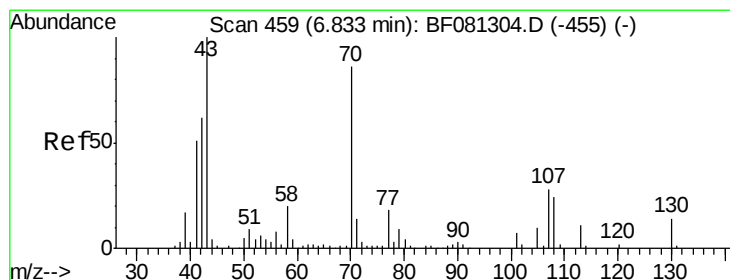
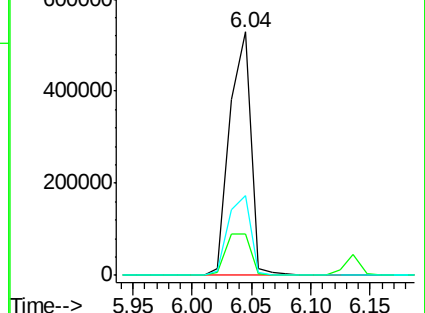
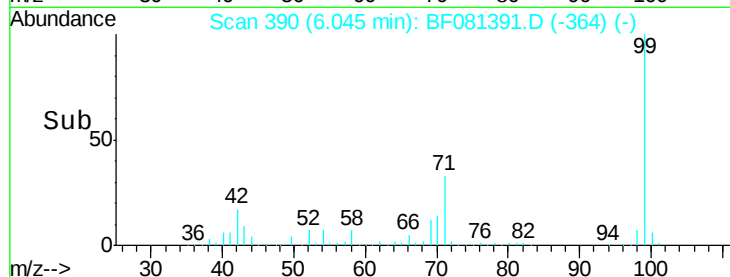
71 33.0 14.2 21.2#



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: 16.64 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.13 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

Tgt Ion: 70 Resp: 55909

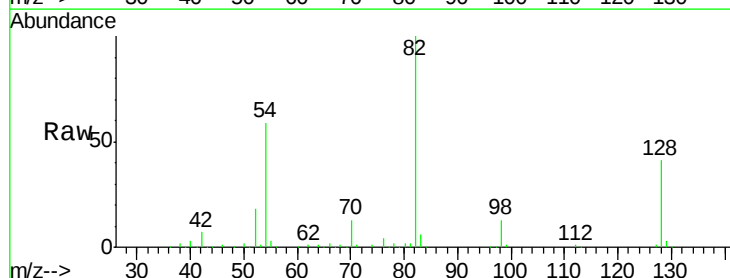
Ion Ratio Lower Upper

70 100

42 50.5 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

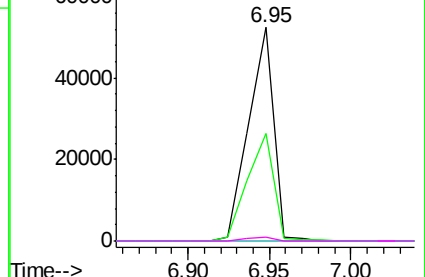
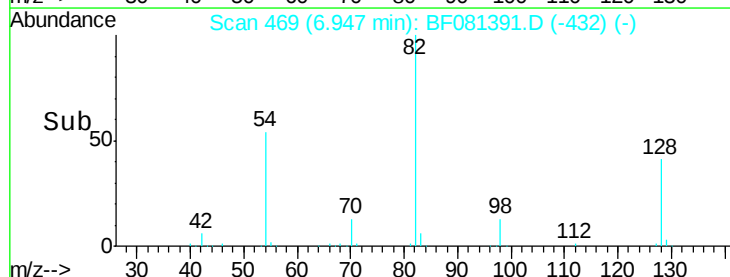


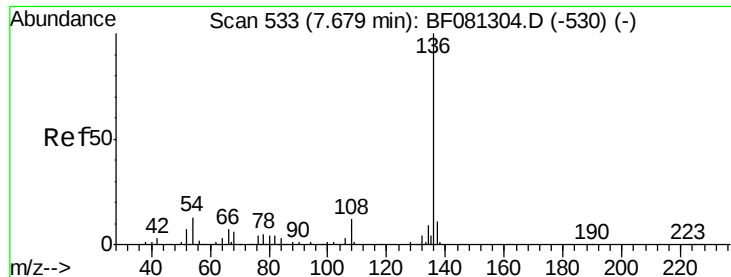
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.66 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

Instrument :

BNA\_F

ClientSampleId :

SB-03(10-12)

Tot Ion:136 Resp: 229773

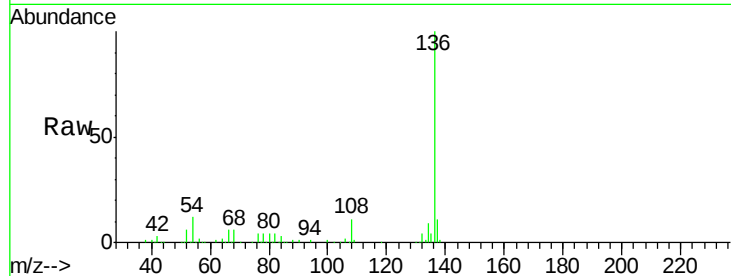
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 11.5 8.2 12.2

68 5.6 5.8 8.6#

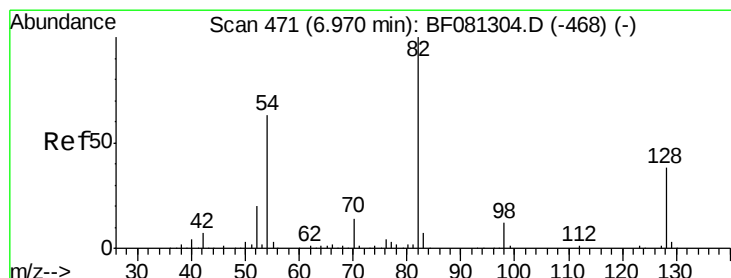
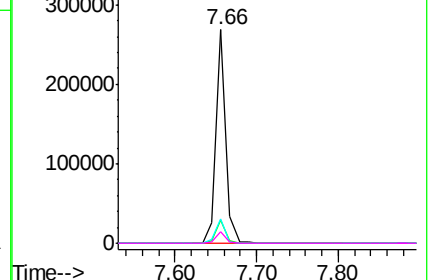
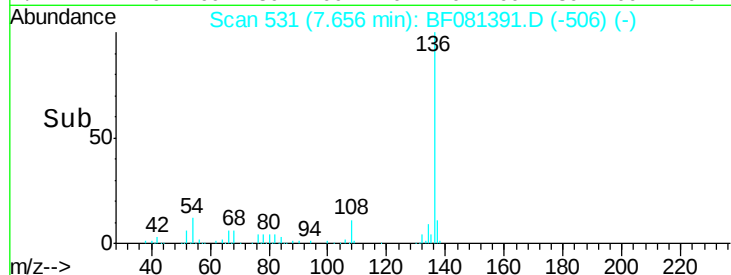


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.38 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.00 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

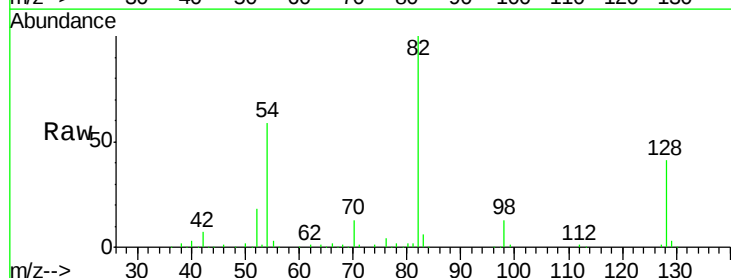
Tgt Ion: 82 Resp: 411383

Ion Ratio Lower Upper

82 100

128 40.6 51.0 76.6#

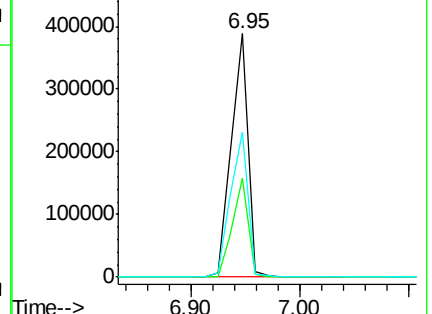
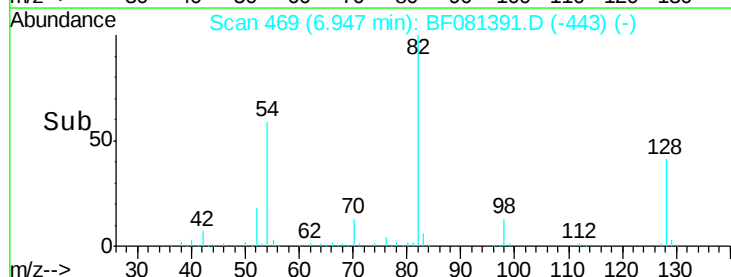
54 59.5 47.5 71.3

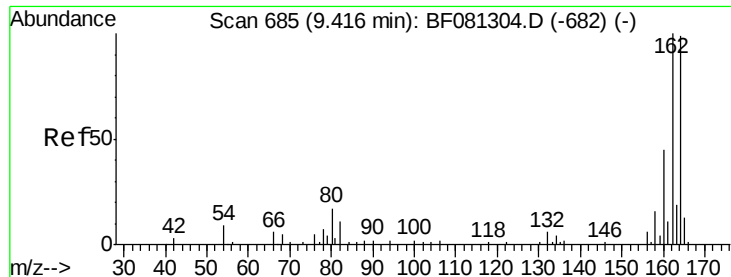


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

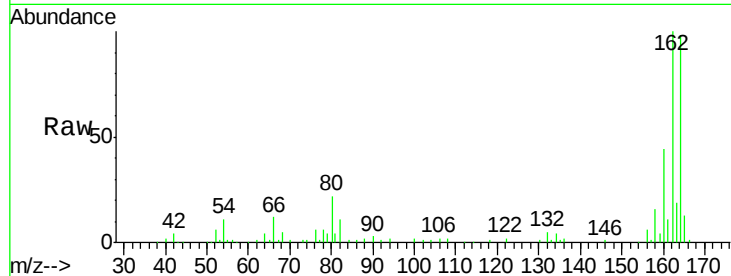




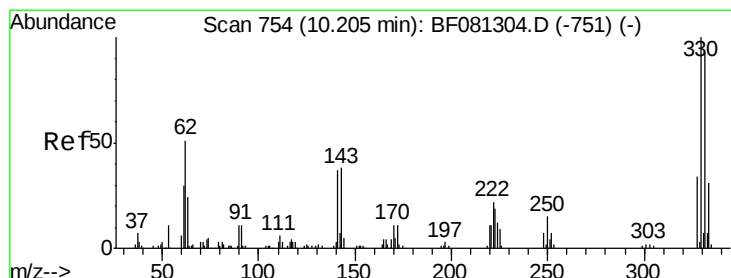
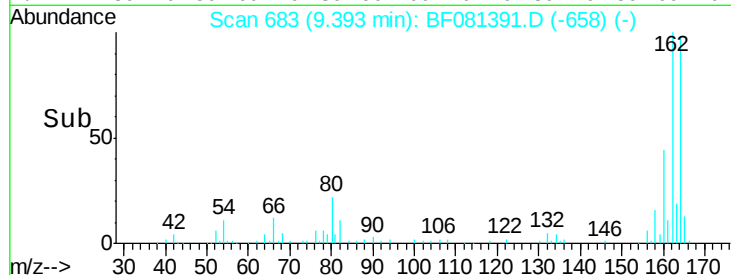
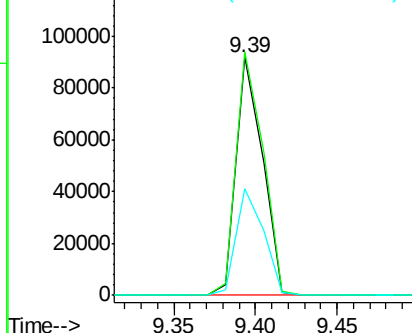
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.39 min Scan# 683  
Delta R.T. -0.01 min  
Lab File: BF081391.D  
Acq: 3 Sep 2015 22:53

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03(10-12)

Tot Ion:164 Resp: 102100  
Ion Ratio Lower Upper  
164 100  
162 102.3 75.2 112.8  
160 44.8 31.5 47.3

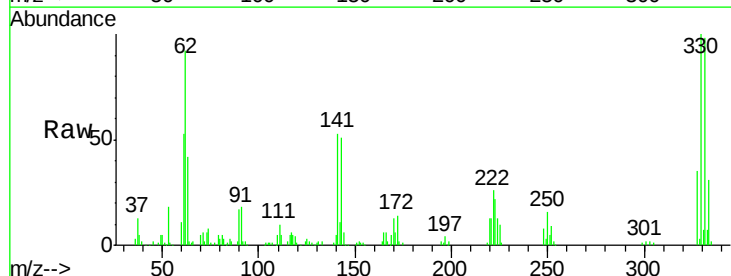


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

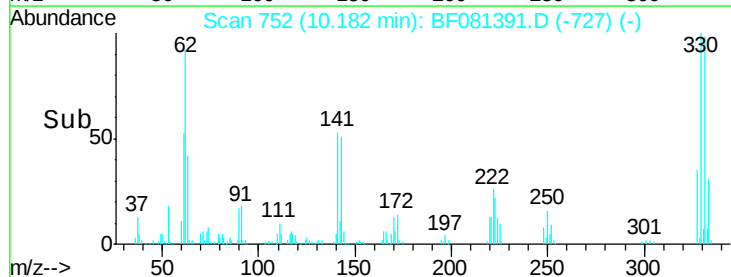
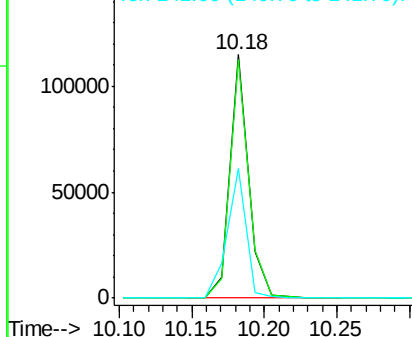


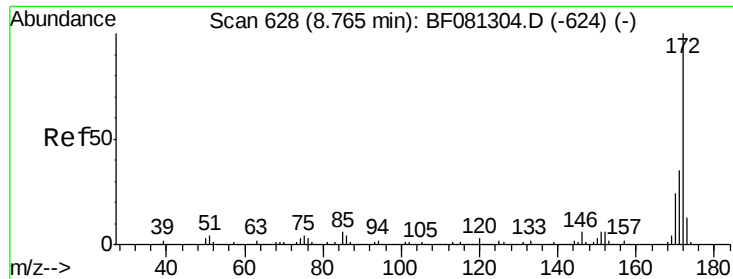
#41  
2,4,6-Tribromophenol  
Concen: 112.82 ng  
RT: 10.18 min Scan# 752  
Delta R.T. -0.01 min  
Lab File: BF081391.D  
Acq: 3 Sep 2015 22:53

Tgt Ion:330 Resp: 102568  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.6 114.8  
141 54.0 29.7 44.5#



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

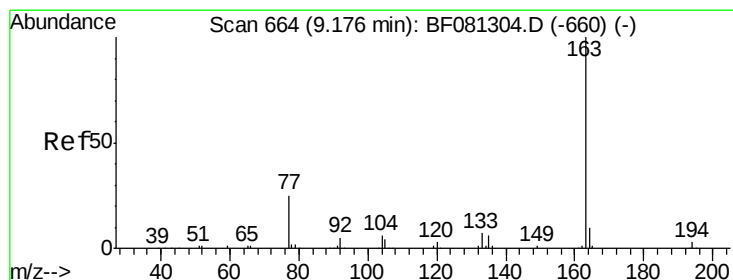
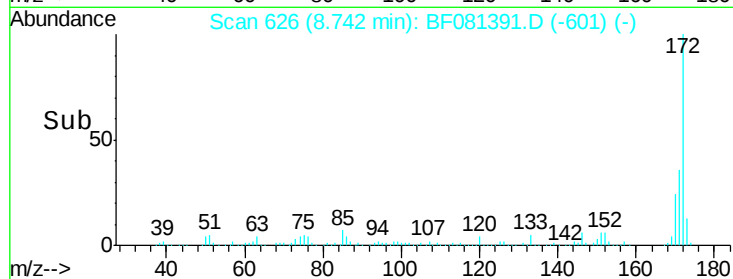
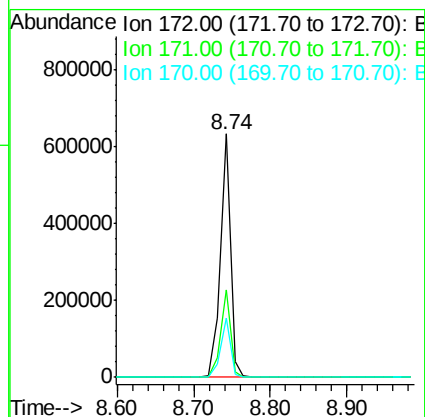
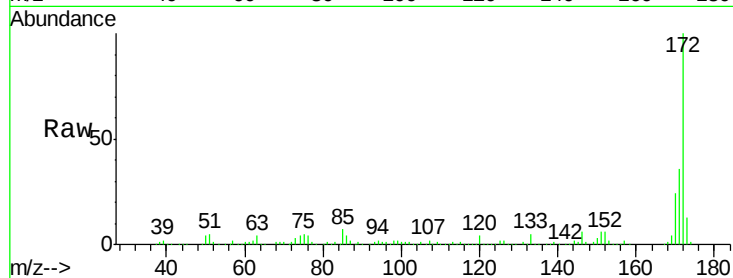




#44  
 2-Fluorobiphenyl  
 Concen: 72.54 ng  
 RT: 8.74 min Scan# 626  
 Delta R.T. -0.01 min  
 Lab File: BF081391.D  
 Acq: 3 Sep 2015 22:53

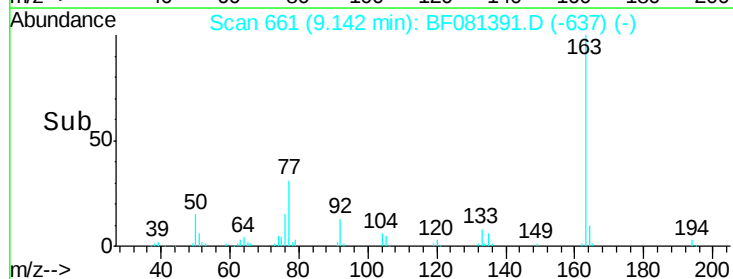
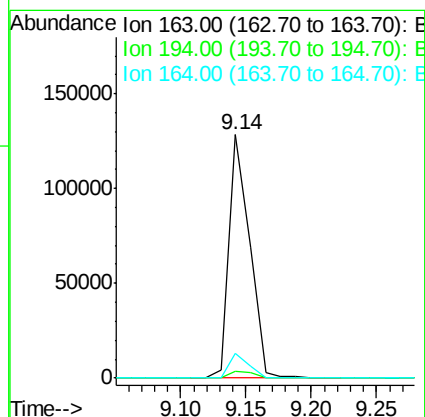
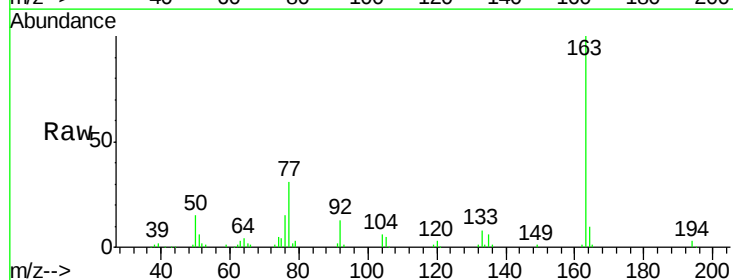
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03(10-12)

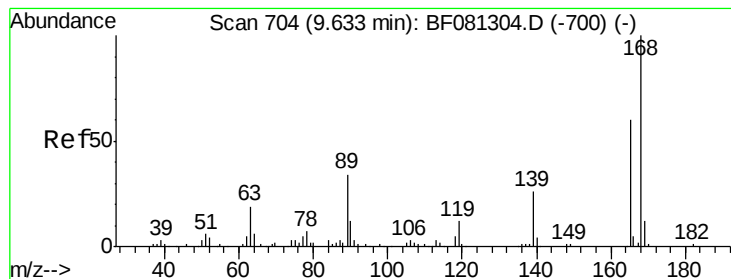
Tot Ion:172 Resp: 577933  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 26.1 39.1  
 170 24.2 17.4 26.2



#49  
 Dimethylphthalate  
 Concen: 17.88 ng  
 RT: 9.14 min Scan# 661  
 Delta R.T. -0.02 min  
 Lab File: BF081391.D  
 Acq: 3 Sep 2015 22:53

Tgt Ion:163 Resp: 141801  
 Ion Ratio Lower Upper  
 163 100  
 194 2.6 4.4 6.6#  
 164 10.3 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 5.57 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.22 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

Instrument :

BNA\_F

ClientSampleId :

SB-03(10-12)

Tot Ion:165 Resp: 12766

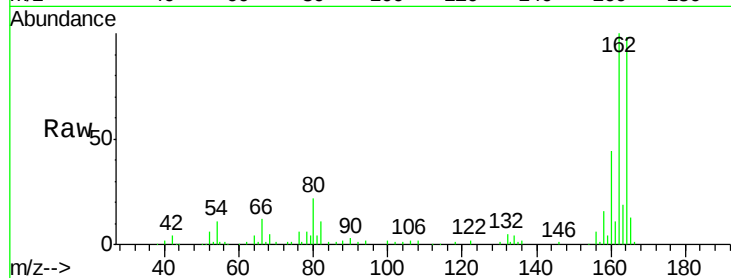
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

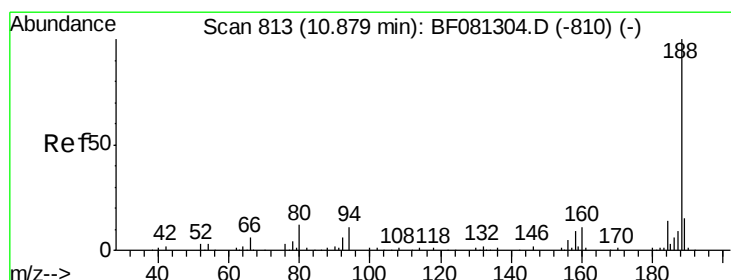
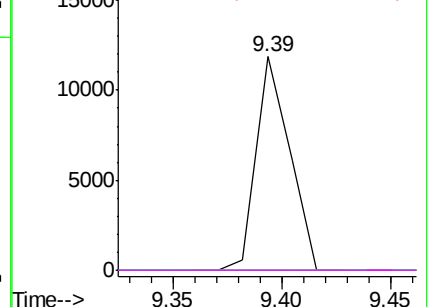
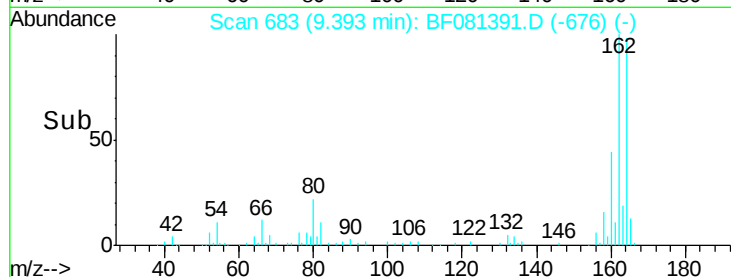


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.87 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF081391.D

Acq: 3 Sep 2015 22:53

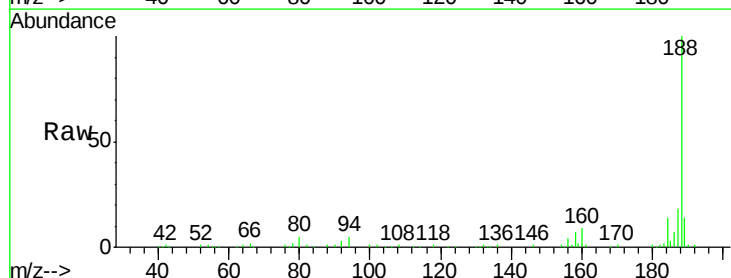
Tgt Ion:188 Resp: 206417

Ion Ratio Lower Upper

188 100

94 5.5 11.1 16.7#

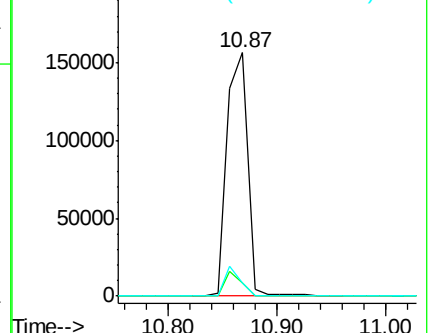
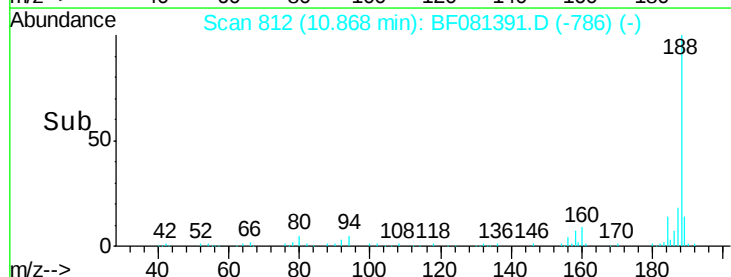
80 5.3 11.0 16.4#

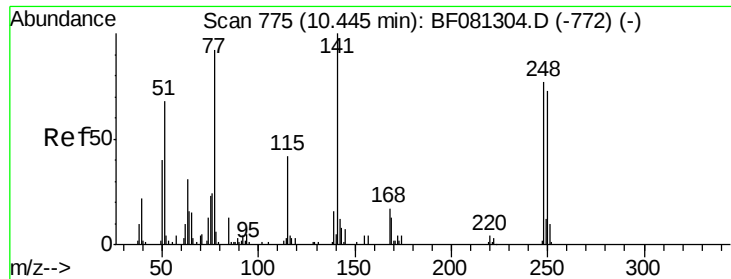


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

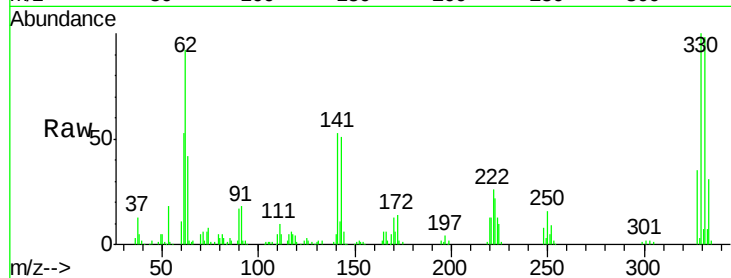




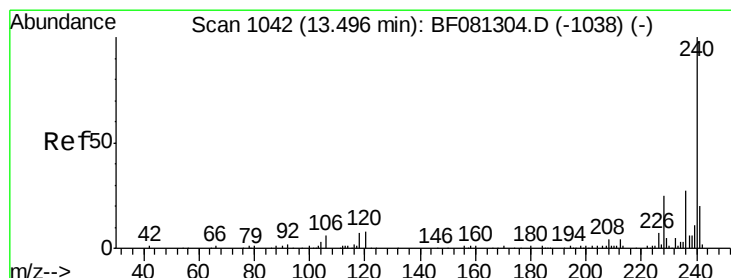
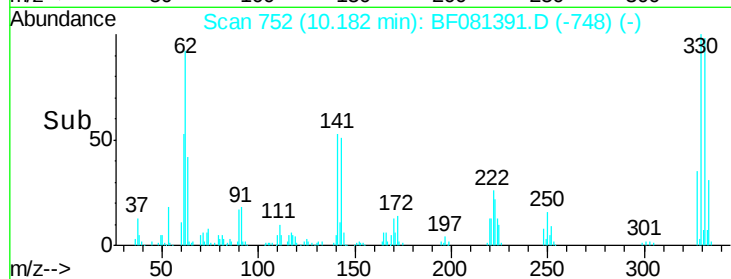
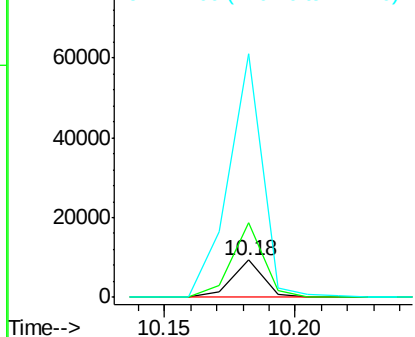
#66  
4-Bromophenyl-phenylether  
Concen: 3.77 ng  
RT: 10.18 min Scan# 752  
Delta R.T. -0.25 min  
Lab File: BF081391.D  
Acq: 3 Sep 2015 22:53

Instrument :  
BNA\_F  
ClientSampleId :  
SB-03(10-12)

Tot Ion:248 Resp: 7874  
Ion Ratio Lower Upper  
248 100  
250 200.4 78.5 117.7#  
141 655.2 59.0 88.6#

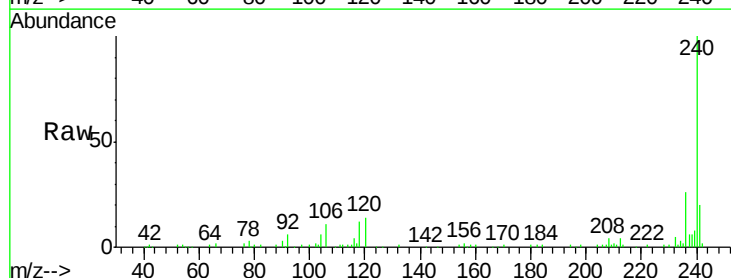


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

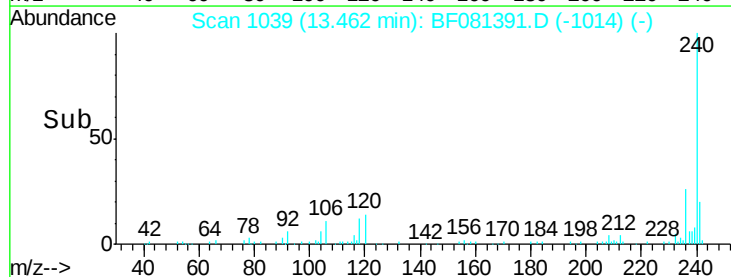
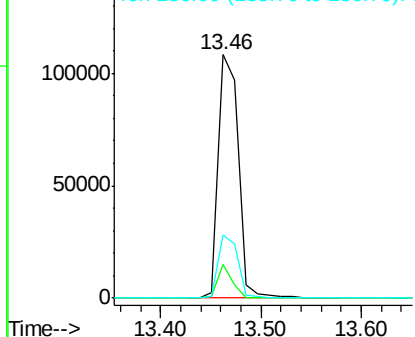


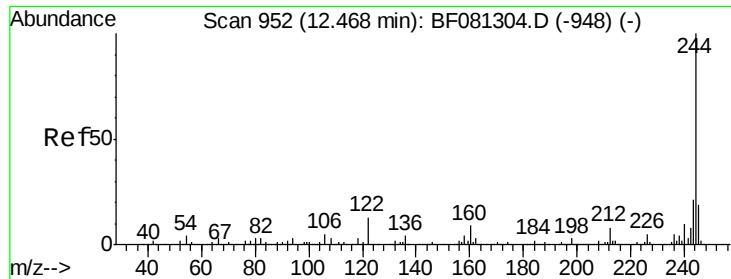
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.46 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF081391.D  
Acq: 3 Sep 2015 22:53

Tgt Ion:240 Resp: 150099  
Ion Ratio Lower Upper  
240 100  
120 13.7 16.2 24.2#  
236 25.8 18.4 27.6



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

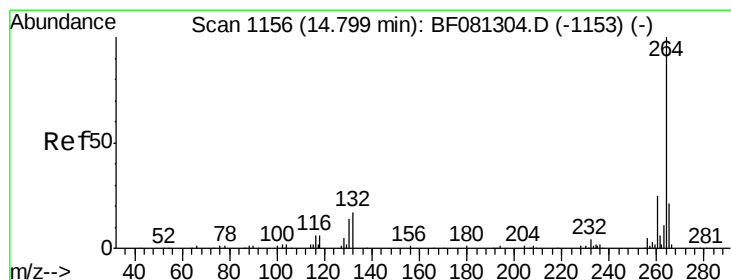
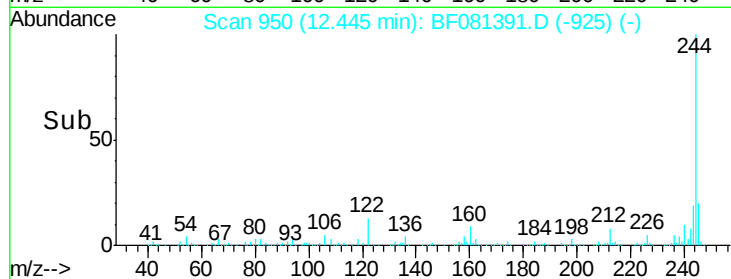
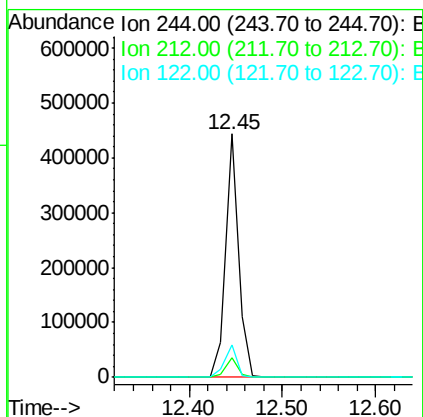
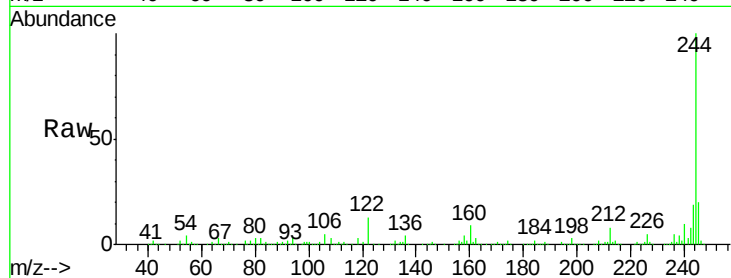




#78  
 Terphenyl-d14  
 Concen: 66.60 ng  
 RT: 12.45 min Scan# 950  
 Delta R.T. -0.01 min  
 Lab File: BF081391.D  
 Acq: 3 Sep 2015 22:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03(10-12)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 4.3   | 6.5#  |
| 122     | 13.3  | 17.4  | 26.2# |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.78 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BF081391.D  
 Acq: 3 Sep 2015 22:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 16.7  | 25.1  |
| 265     | 21.6  | 17.2  | 25.8  |

