

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\  
 Data File : BF081484.D  
 Acq On : 6 Sep 2015 1:34  
 Operator : UM/IZ  
 Sample : G3519-04  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP208BR-29-31

Quant Time: Sep 07 01:32:59 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 17:35:35 2015  
 Response via : Initial Calibration

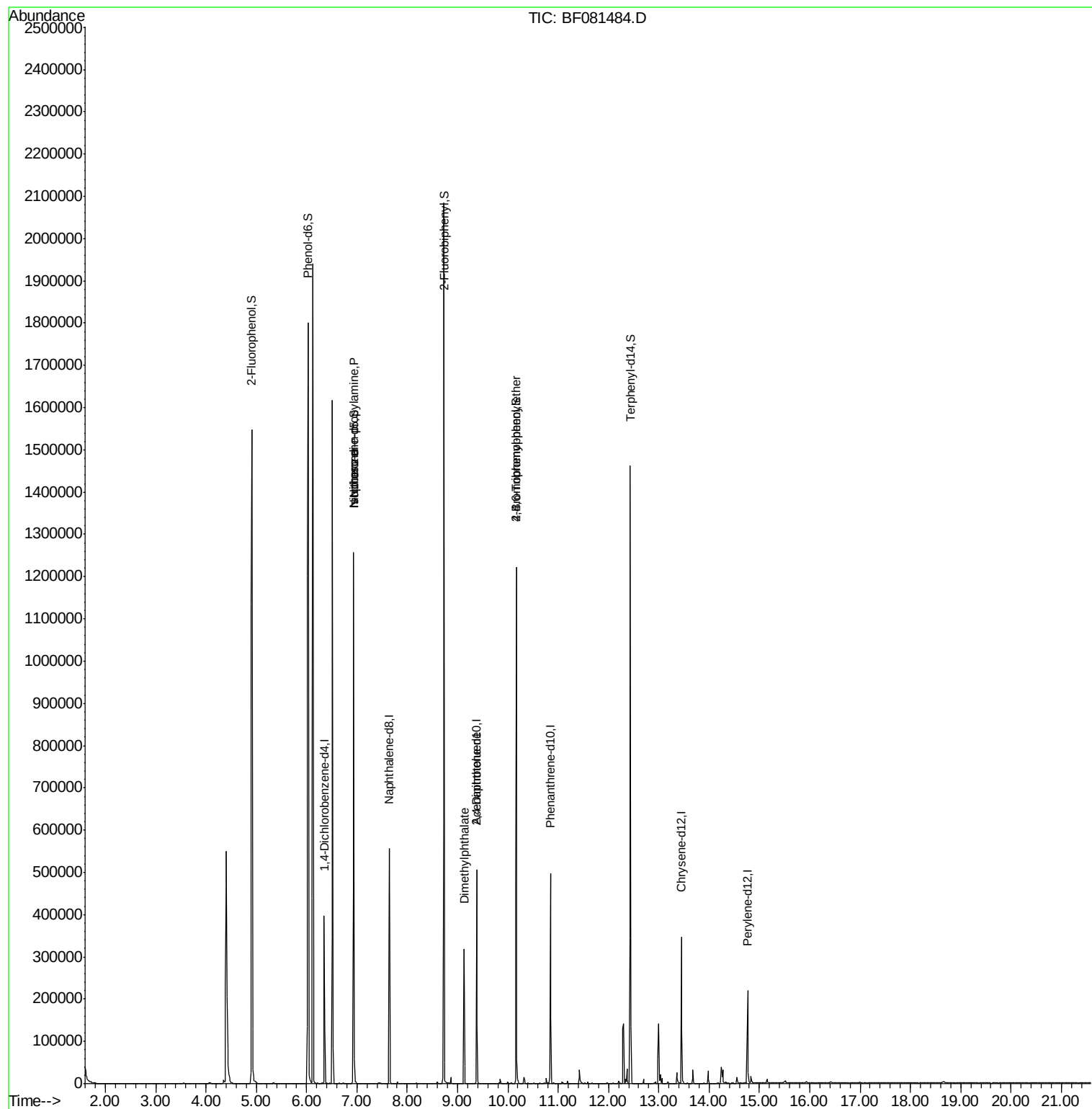
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.35  | 152  | 56696    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 7.64  | 136  | 222609   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.38  | 164  | 99104    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 10.84 | 188  | 188150   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 13.45 | 240  | 133600   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 14.77 | 264  | 99545    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.91  | 112  | 511398   | 139.95 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.03  | 99   | 737834   | 152.54 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.94  | 82   | 409641   | 88.78  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.17 | 330  | 116616   | 132.15 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 628007   | 81.21  | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.43 | 244  | 429028   | 74.75  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 6.94  | 70   | 56186    | 17.07  | ng    | # 64     |
| 25) Isophorone                 | 6.94  | 82   | 304798   | 35.52  | ng    | # 58     |
| 49) Dimethylphthalate          | 9.13  | 163  | 107945   | 14.02  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.38  | 165  | 13383    | 6.01   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.17 | 248  | 9368     | 4.92   | ng    | # 1      |

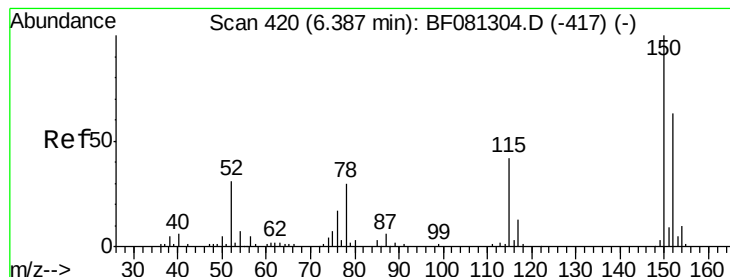
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 01 17:35:35 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

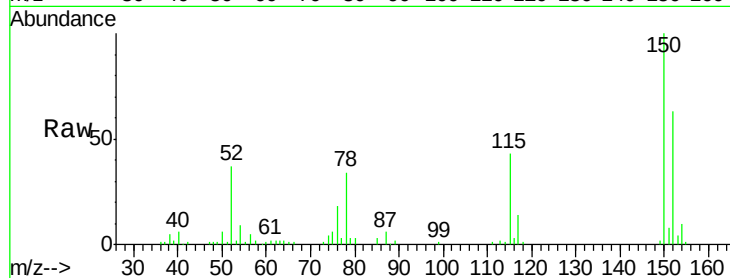
Tot Ion:152 Resp: 56696

Ion Ratio Lower Upper

152 100

150 159.8 124.7 187.1

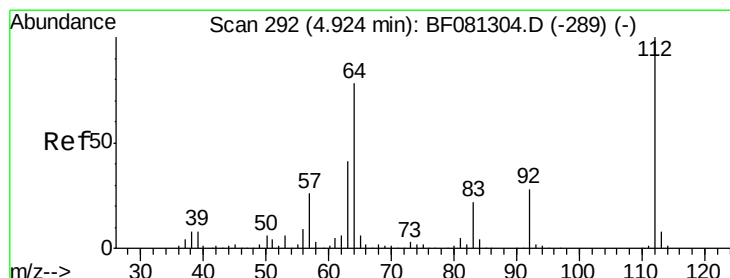
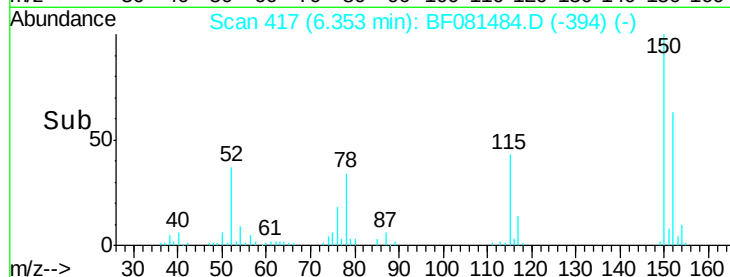
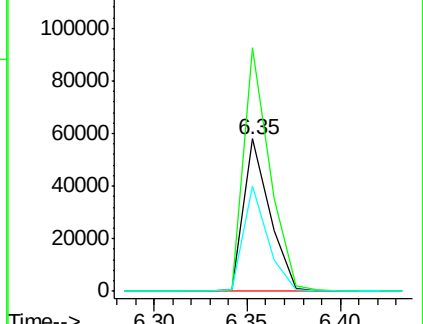
115 69.5 39.0 58.4#



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: 139.95 ng

RT: 4.91 min Scan# 291

Delta R.T. -0.01 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

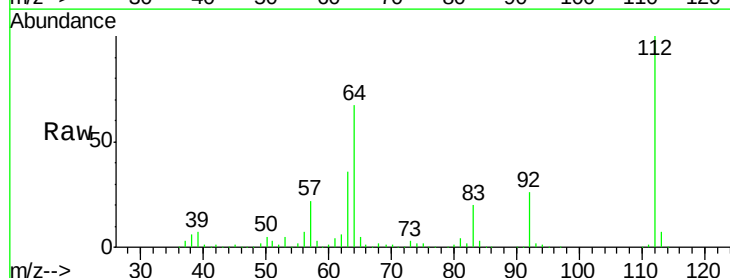
Tgt Ion:112 Resp: 511398

Ion Ratio Lower Upper

112 100

64 66.7 39.7 59.5#

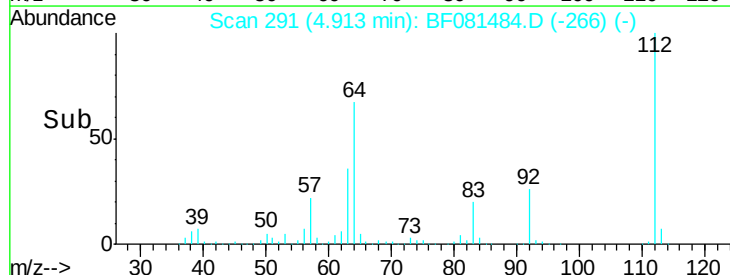
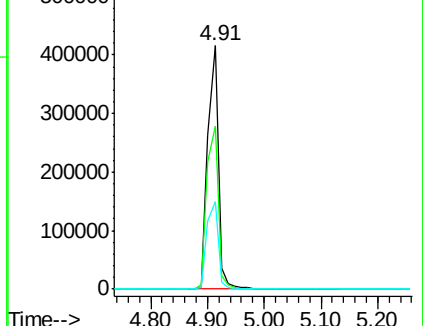
63 36.1 17.4 26.0#

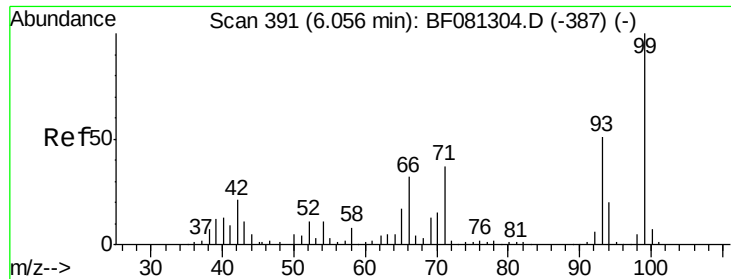


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.54 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

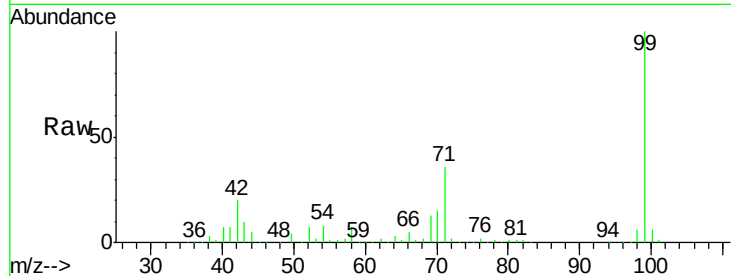
Tot Ion: 99 Resp: 737834

Ion Ratio Lower Upper

99 100

42 19.8 13.7 20.5

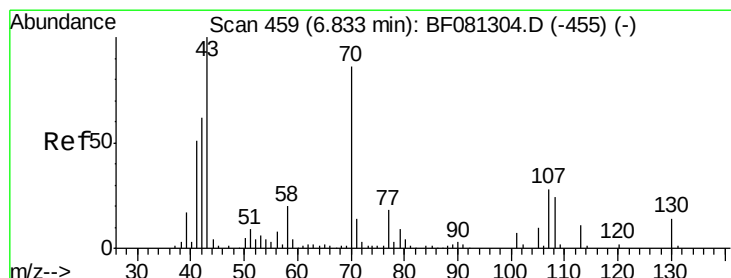
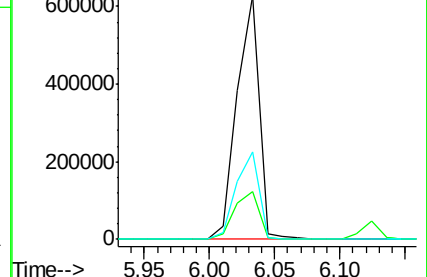
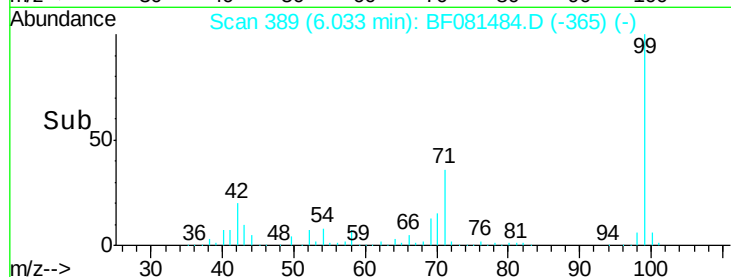
71 35.9 14.2 21.2#



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: 17.07 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Tgt Ion: 70 Resp: 56186

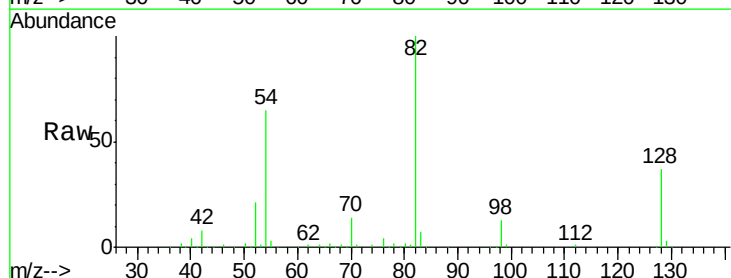
Ion Ratio Lower Upper

70 100

42 54.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

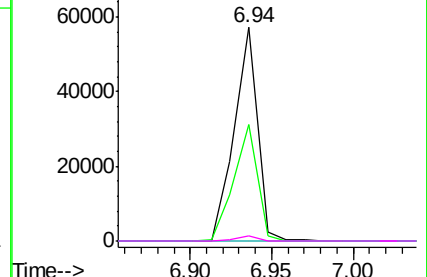
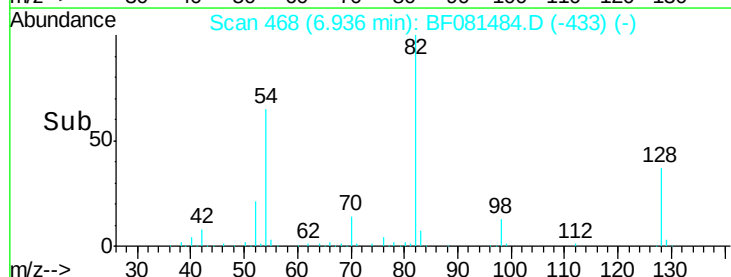


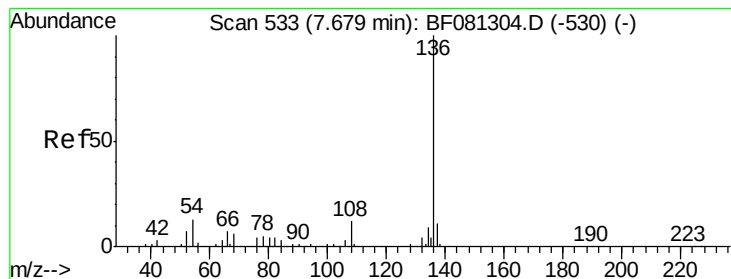
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

Tot Ion:136 Resp: 222609

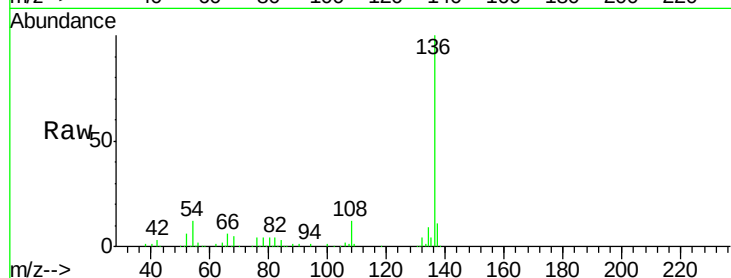
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 11.6 8.2 12.2

68 5.3 5.8 8.6#

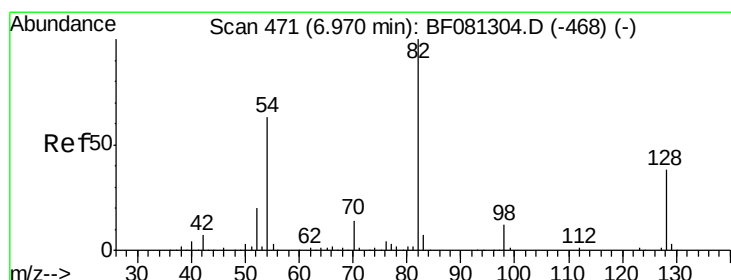
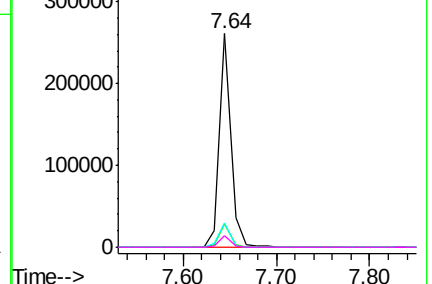
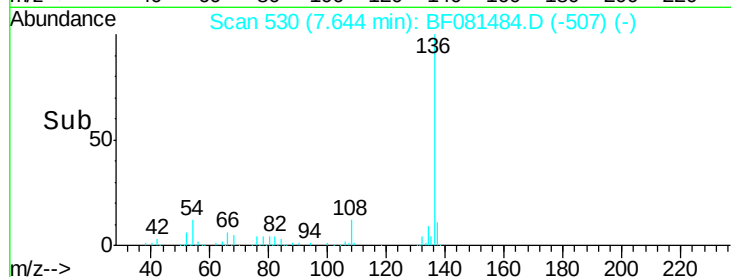


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.78 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

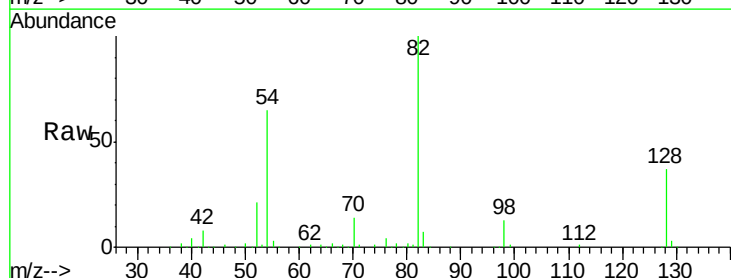
Tgt Ion: 82 Resp: 409641

Ion Ratio Lower Upper

82 100

128 37.1 51.0 76.6#

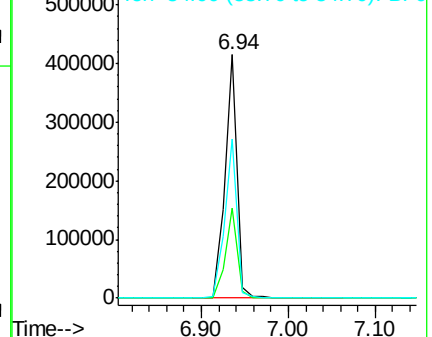
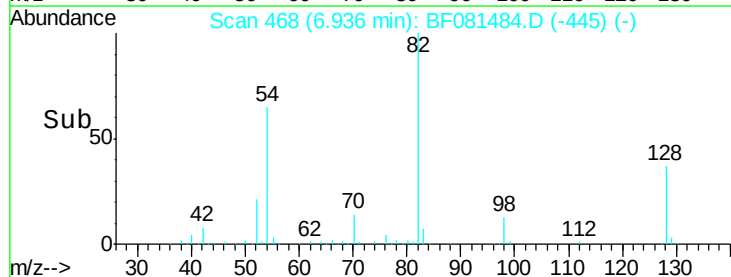
54 65.3 47.5 71.3

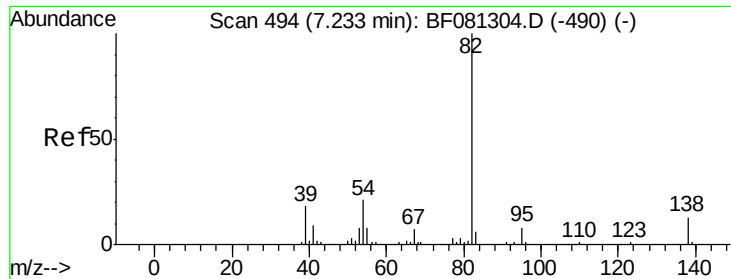


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.52 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.30 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

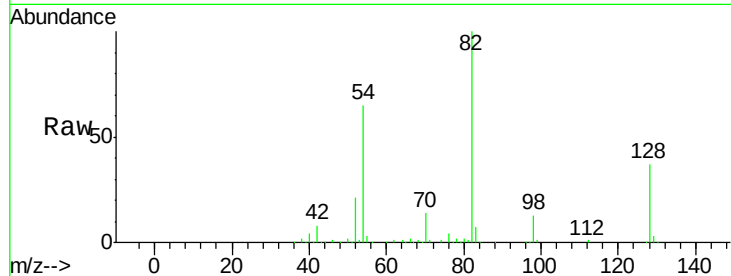
Tot Ion: 82 Resp: 304798

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

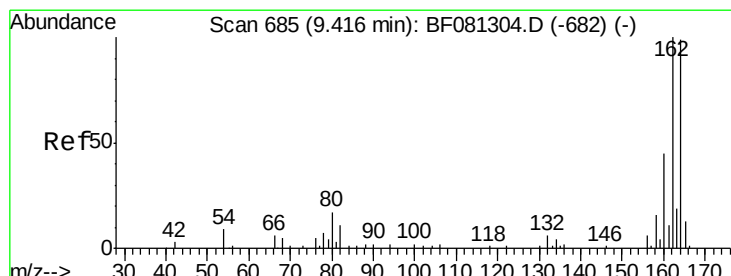
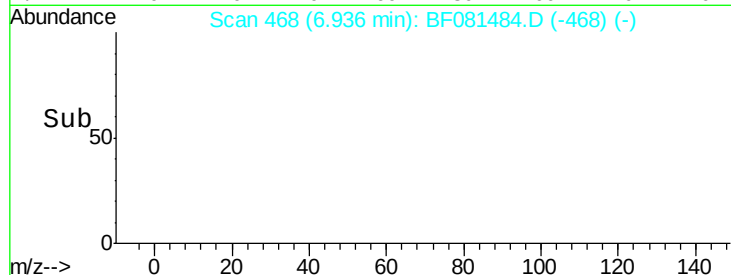
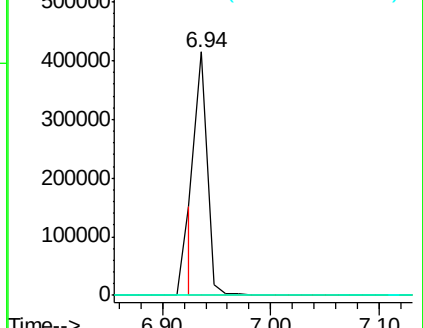
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

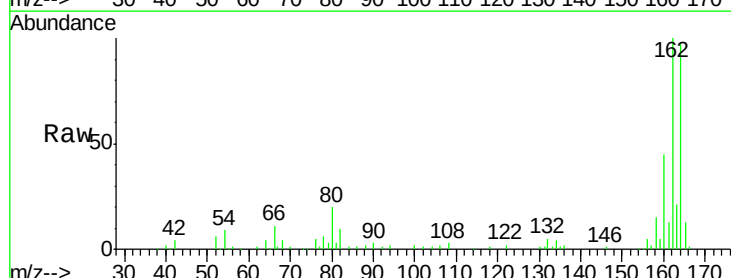
Tgt Ion: 164 Resp: 99104

Ion Ratio Lower Upper

164 100

162 103.1 75.2 112.8

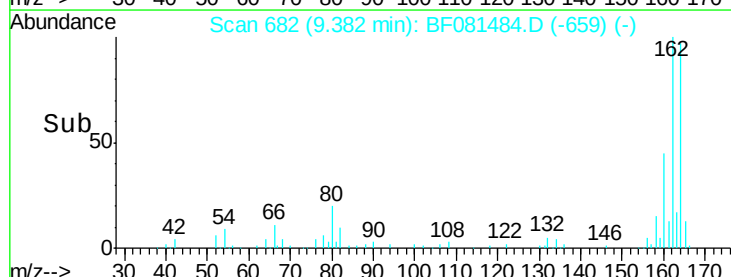
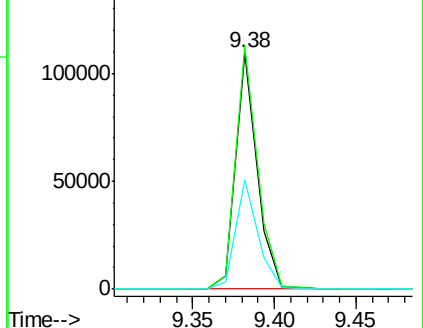
160 46.3 31.5 47.3

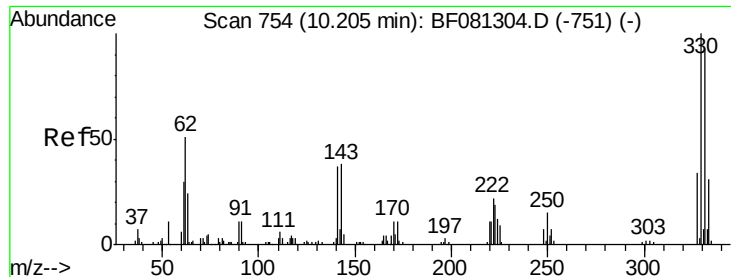


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

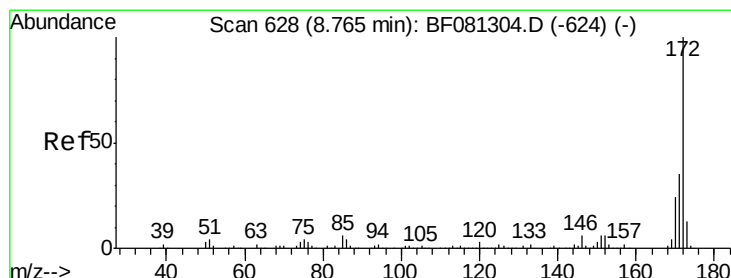
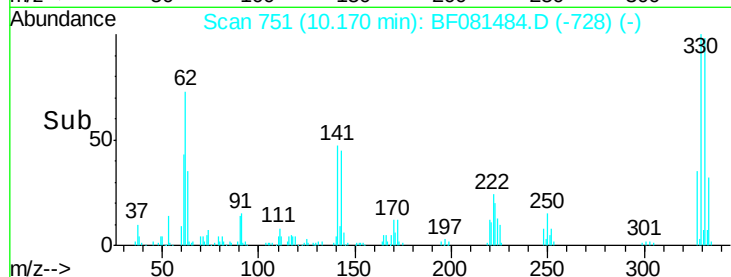
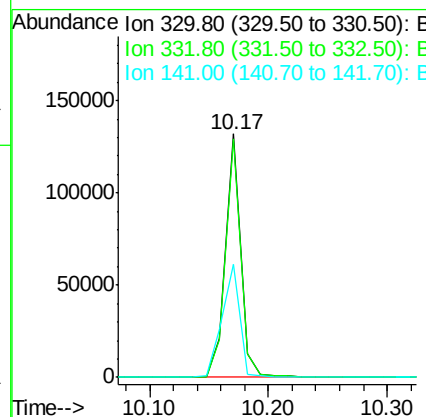
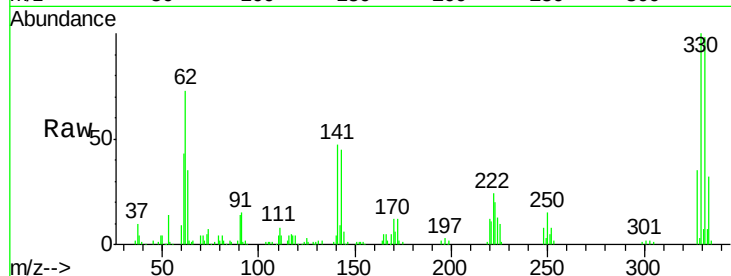




#41  
 2,4,6-Tribromophenol  
 Concen: 132.15 ng  
 RT: 10.17 min Scan# 751  
 Delta R.T. -0.03 min  
 Lab File: BF081484.D  
 Acq: 6 Sep 2015 1:34

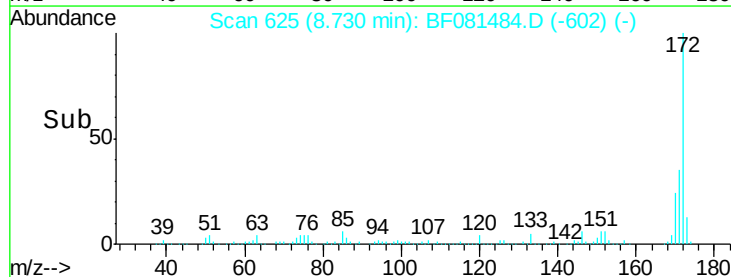
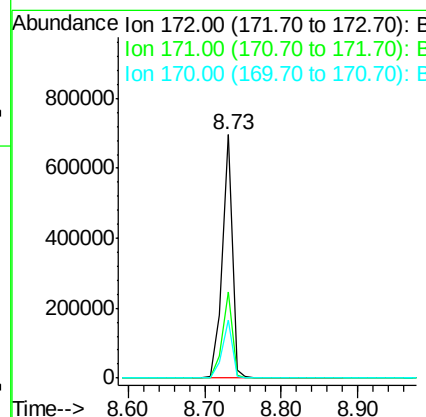
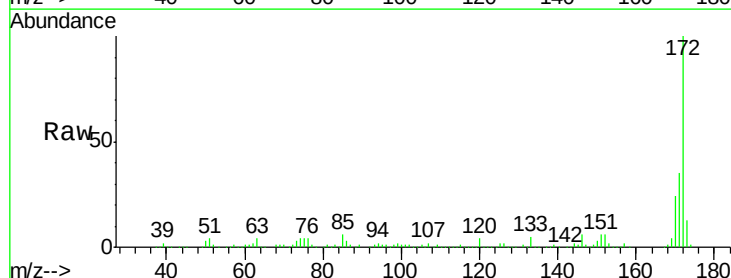
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP208BR-29-31

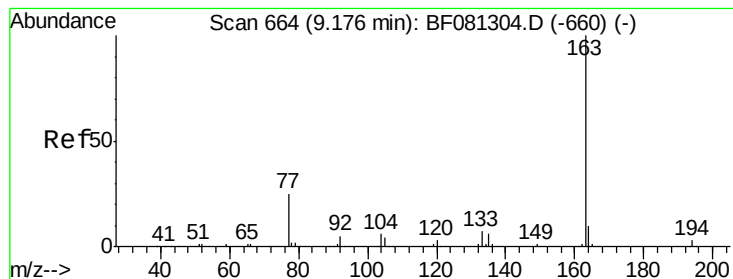
Tot Ion:330 Resp: 116616  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.6 114.8  
 141 53.5 29.7 44.5#



#44  
 2-Fluorobiphenyl  
 Concen: 81.21 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. -0.03 min  
 Lab File: BF081484.D  
 Acq: 6 Sep 2015 1:34

Tgt Ion:172 Resp: 628007  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 26.1 39.1  
 170 23.9 17.4 26.2





#49

Dimethylphthalate

Concen: 14.02 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.05 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

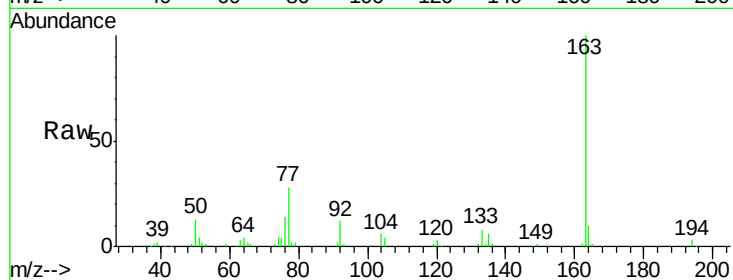
Tot Ion:163 Resp: 107945

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

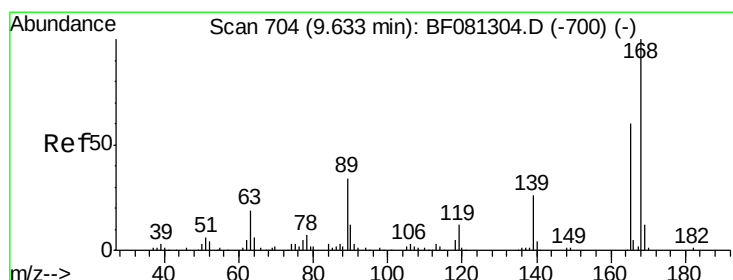
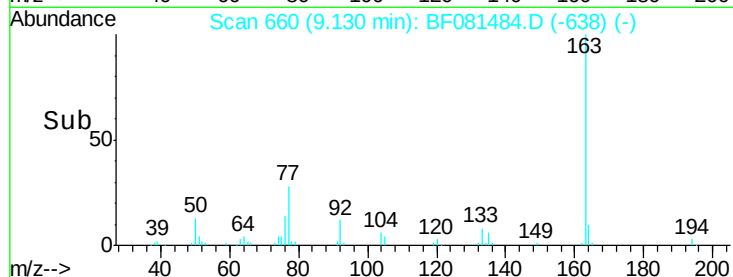
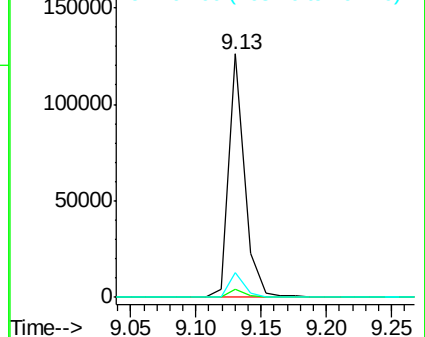
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Tgt Ion:165 Resp: 13383

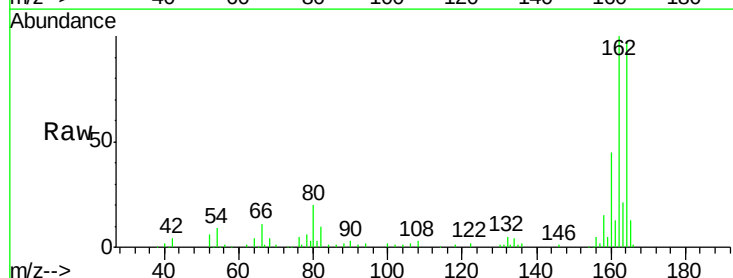
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

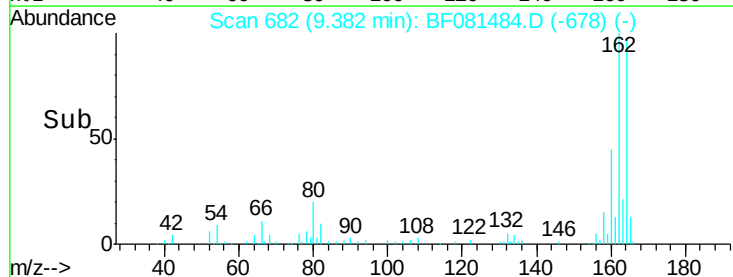
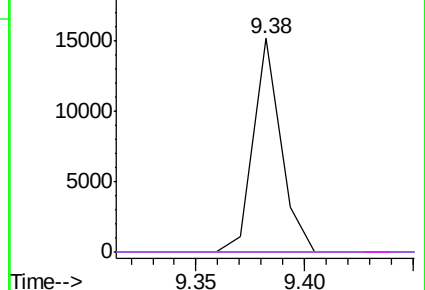


Abundance Ion 165.00 (164.70 to 165.70): E

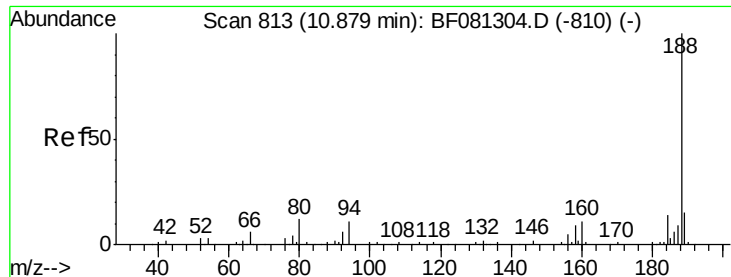
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



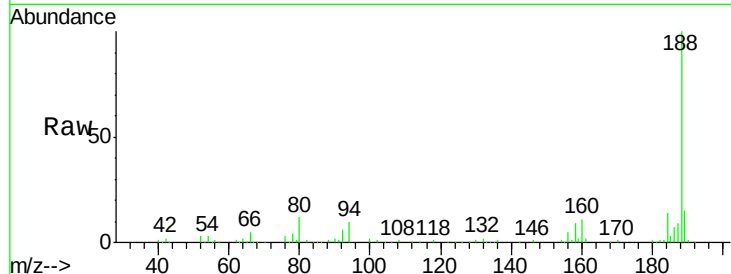




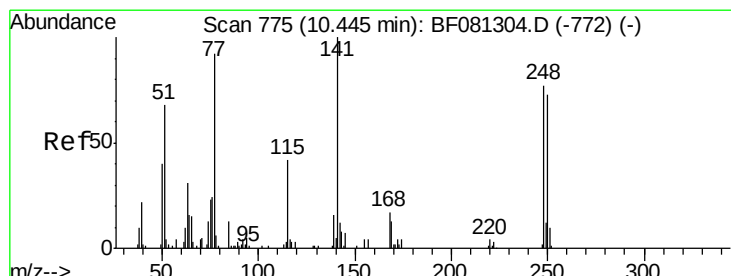
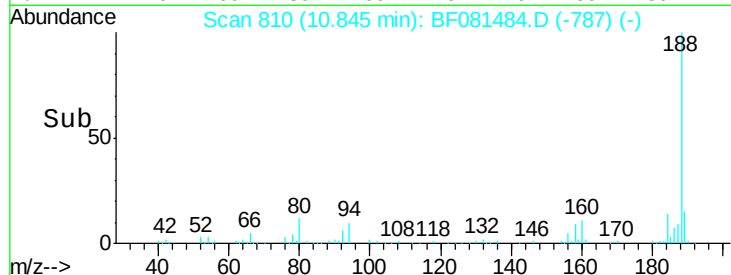
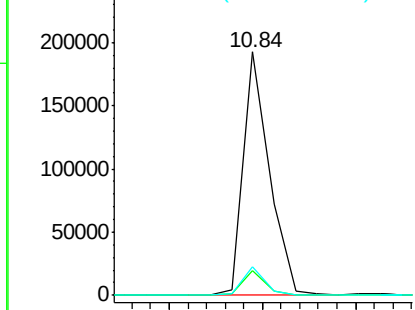
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.84 min Scan# 810  
Delta R.T. -0.03 min  
Lab File: BF081484.D  
Acq: 6 Sep 2015 1:34

Instrument :  
BNA\_F  
ClientSampleId :  
MGP208BR-29-31

Tot Ion:188 Resp: 188150  
Ion Ratio Lower Upper  
188 100  
94 10.2 11.1 16.7#  
80 11.7 11.0 16.4

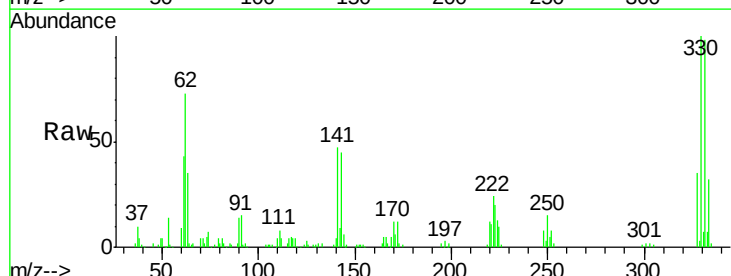


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

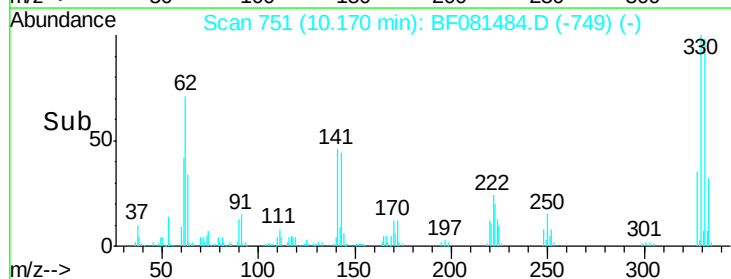
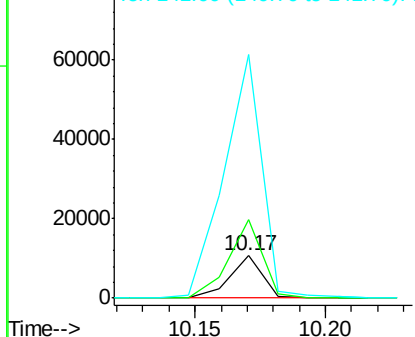


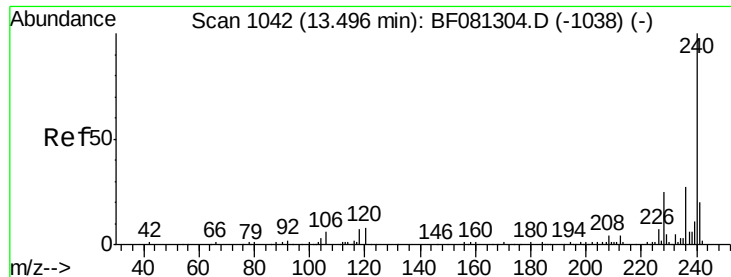
#66  
4-Bromophenyl-phenylether  
Concen: 4.92 ng  
RT: 10.17 min Scan# 751  
Delta R.T. -0.27 min  
Lab File: BF081484.D  
Acq: 6 Sep 2015 1:34

Tgt Ion:248 Resp: 9368  
Ion Ratio Lower Upper  
248 100  
250 184.8 78.5 117.7#  
141 575.8 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: 13.45 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

Instrument :

BNA\_F

ClientSampleId :

MGP208BR-29-31

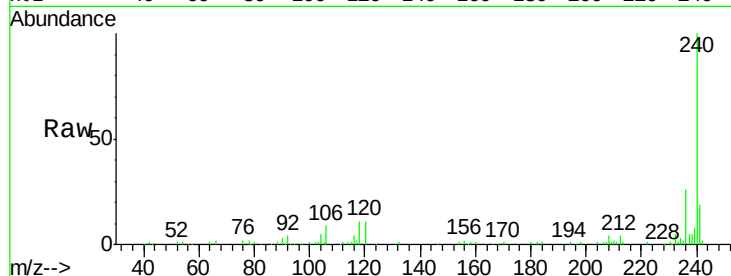
Tot Ion:240 Resp: 133600

Ion Ratio Lower Upper

240 100

120 11.5 16.2 24.2#

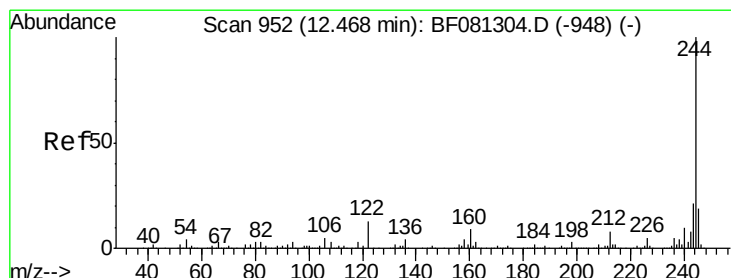
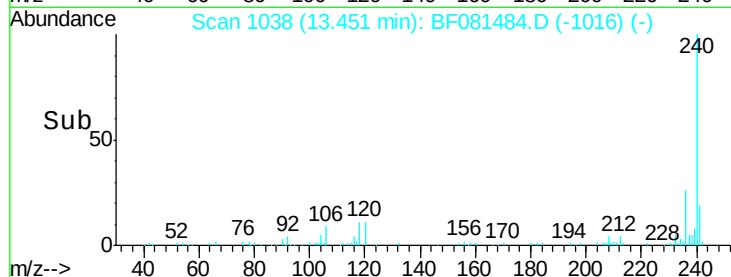
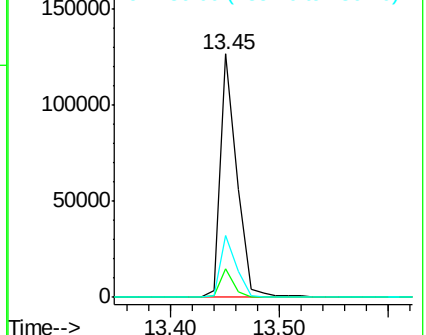
236 25.6 18.4 27.6



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: 74.75 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF081484.D

Acq: 6 Sep 2015 1:34

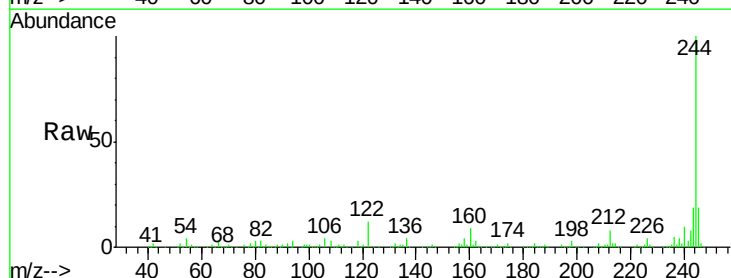
Tgt Ion:244 Resp: 429028

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

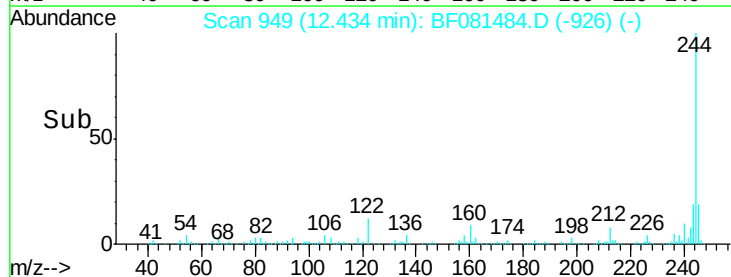
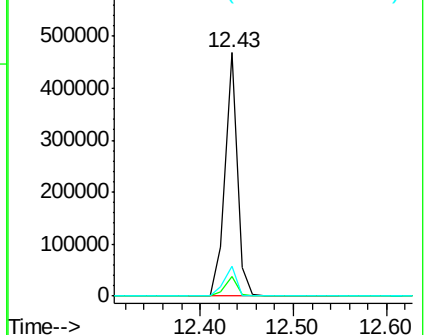
122 12.2 17.4 26.2#

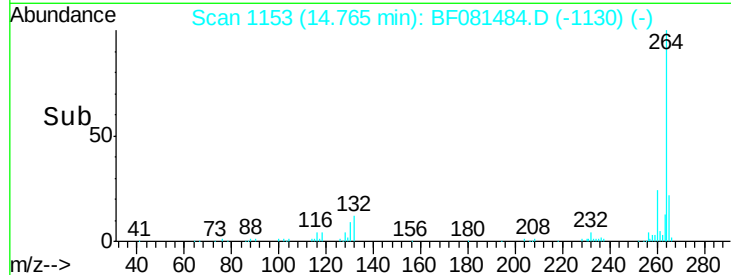
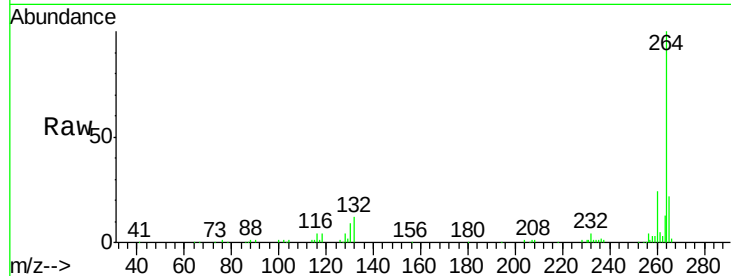
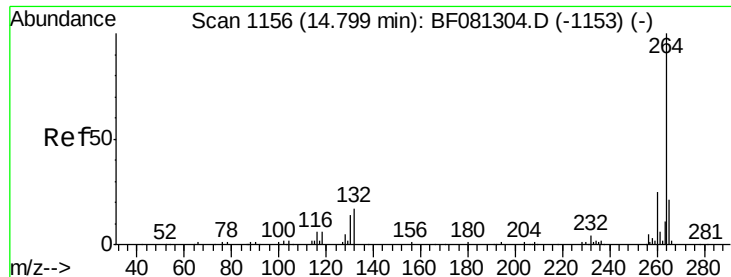


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 1153  
 Delta R.T. -0.03 min  
 Lab File: BF081484.D  
 Acq: 6 Sep 2015 1:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP208BR-29-31

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 99545 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.1  | 16.7  | 25.1  |
| 265      | 21.5  | 17.2  | 25.8  |

