

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092915\  
 Data File : BF081897.D  
 Acq On : 30 Sep 2015 4:57  
 Operator : UM/IZ  
 Sample : G3840-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP219BR-32-34

Quant Time: Sep 30 06:30:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

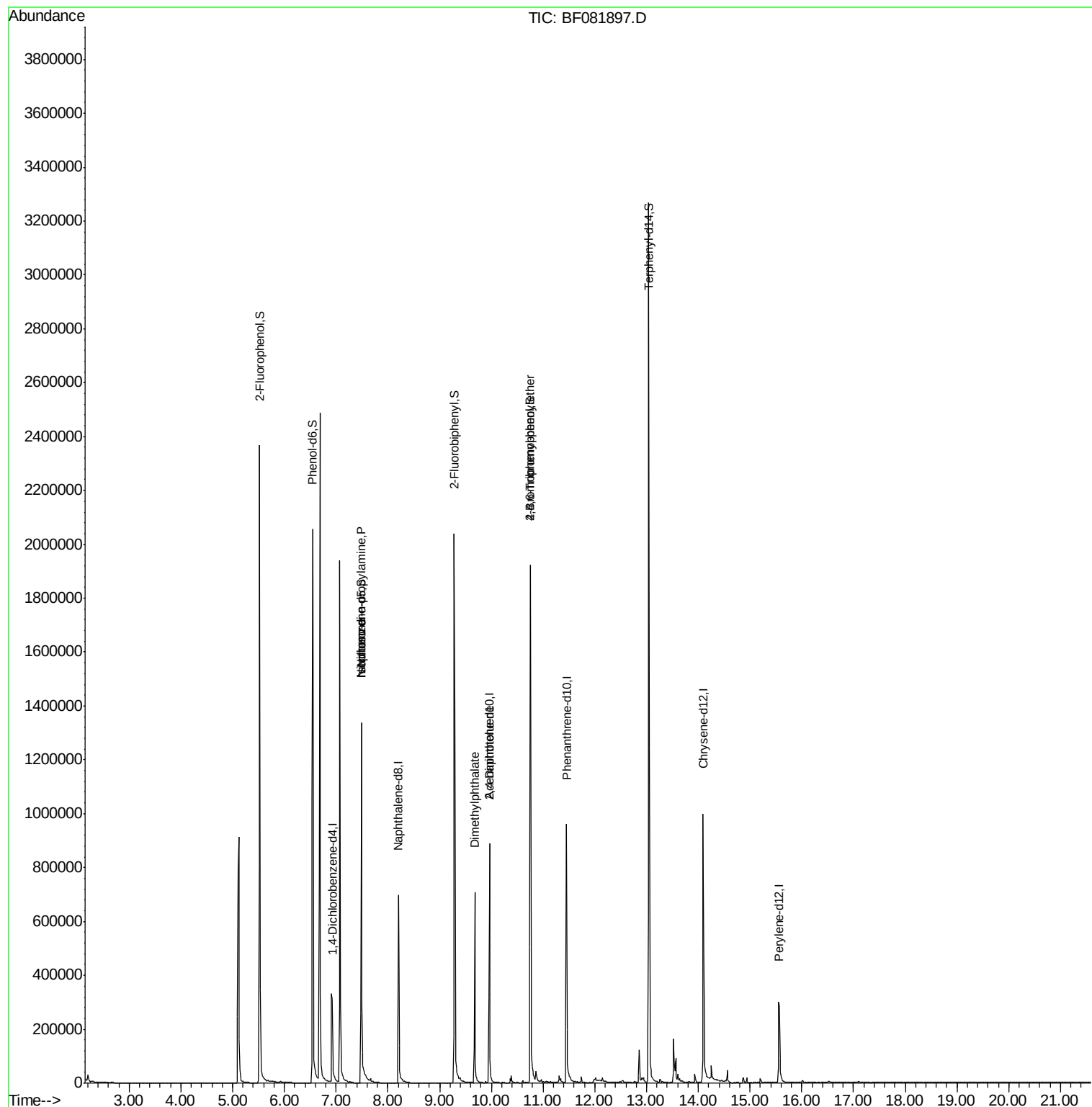
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 100143   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.21  | 136  | 402153   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.97  | 164  | 211742   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.45 | 188  | 445621   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.09 | 240  | 489049   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.57 | 264  | 235968   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 759803   | 137.73 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.55  | 99   | 931434   | 134.18 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.49  | 82   | 565637   | 93.76  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.75 | 330  | 275879   | 128.65 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.28  | 172  | 1006698  | 78.36  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.04 | 244  | 1288840  | 85.16  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.49  | 70   | 71039    | 16.84  | ng    | # 58     |
| 25) Isophorone                 | 7.49  | 82   | 504473   | 42.19  | ng    | # 58     |
| 49) Dimethylphthalate          | 9.68  | 163  | 339639   | 23.24  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 25261    | 6.24   | ng    | # 34     |
| 57) Fluorene                   | 10.75 | 166  | 11048    | Below  | Cal   | # 82     |
| 66) 4-Bromophenyl-phenylether  | 10.75 | 248  | 18204    | 4.05   | ng    | # 1      |
| 70) Phenanthrene               | 11.47 | 178  | 337      | Below  | Cal   | # 62     |
| 73) Di-n-butylphthalate        | 12.01 | 149  | 5984     | Below  | Cal   | # 96     |

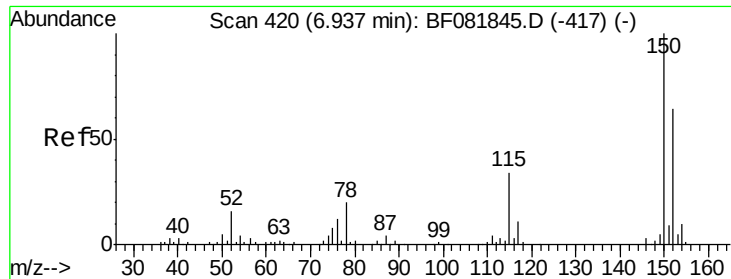
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092915\  
Data File : BF081897.D  
Acq On : 30 Sep 2015 4:57  
Operator : UM/IZ  
Sample : G3840-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MGP219BR-32-34

Quant Time: Sep 30 06:30:20 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 28 18:10:42 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Instrument :

BNA\_F

ClientSampleId :

MGP219BR-32-34

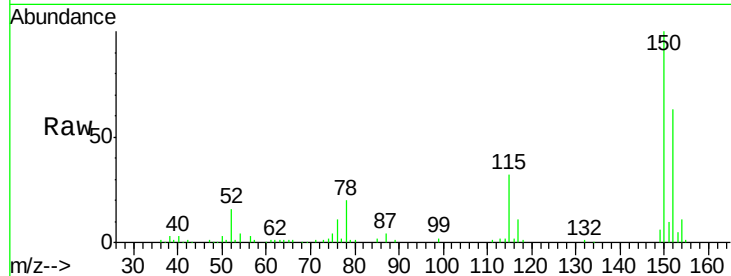
Tgt Ion:152 Resp: 100143

Ion Ratio Lower Upper

152 100

150 157.7 124.7 187.1

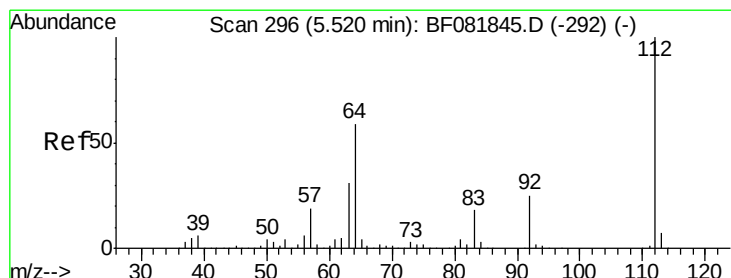
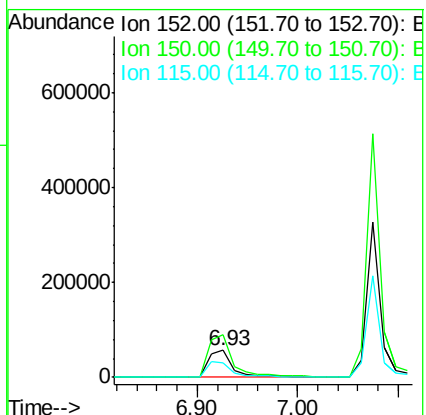
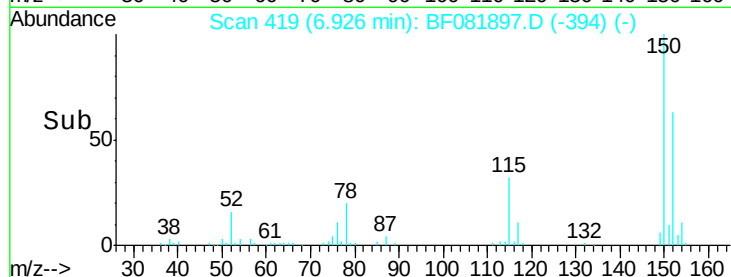
115 51.0 39.0 58.4



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: 137.73 ng

RT: 5.52 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

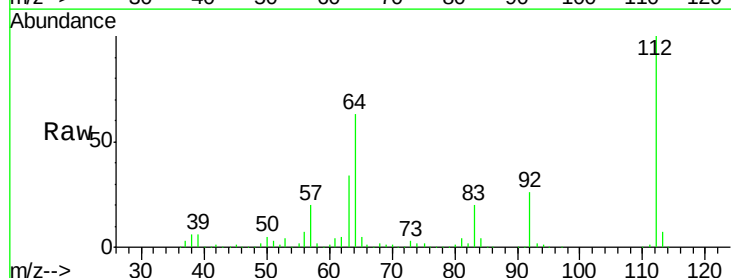
Tgt Ion:112 Resp: 759803

Ion Ratio Lower Upper

112 100

64 63.4 39.7 59.5#

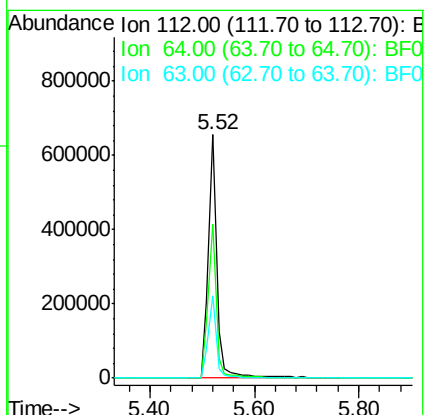
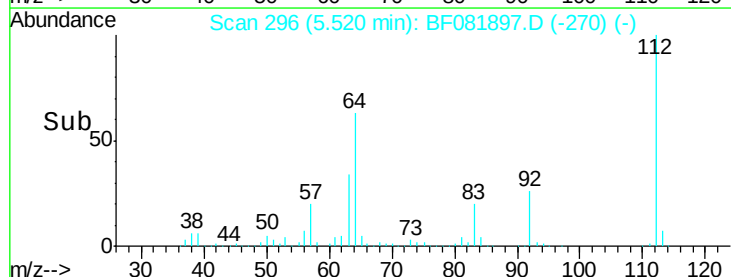
63 33.7 17.4 26.0#

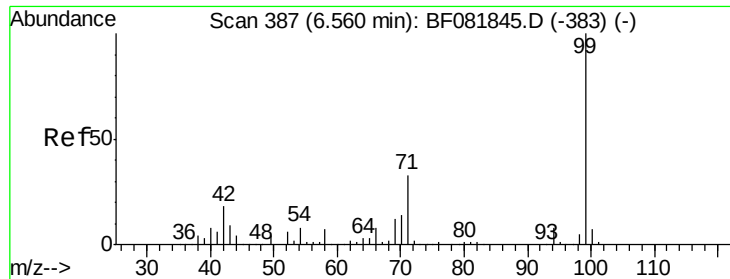


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.18 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Instrument :

BNA\_F

ClientSampleId :

MGP219BR-32-34

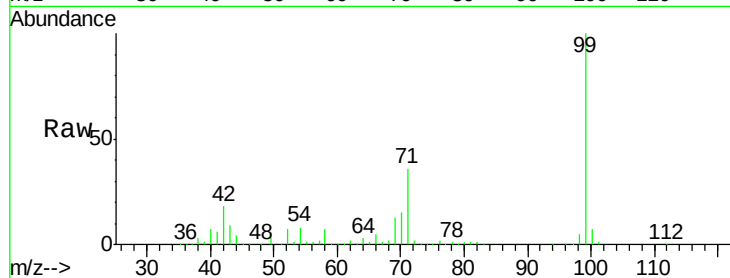
Tgt Ion: 99 Resp: 931434

Ion Ratio Lower Upper

99 100

42 17.8 13.7 20.5

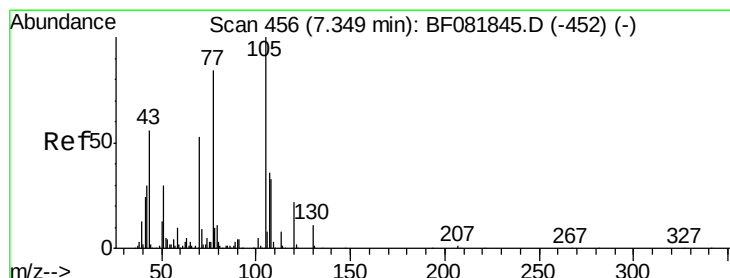
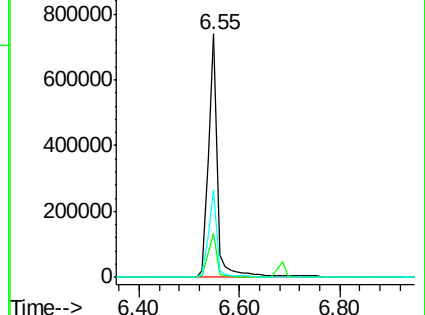
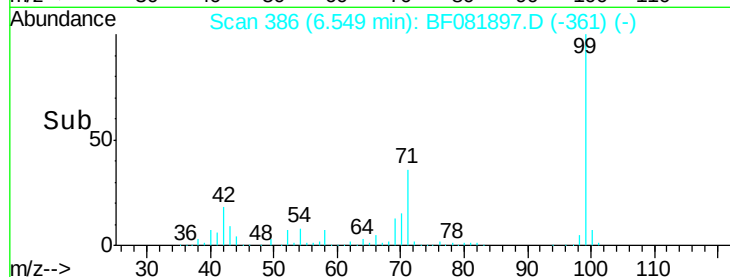
71 35.7 14.2 21.2#



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: 16.84 ng

RT: 7.49 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Tgt Ion: 70 Resp: 71039

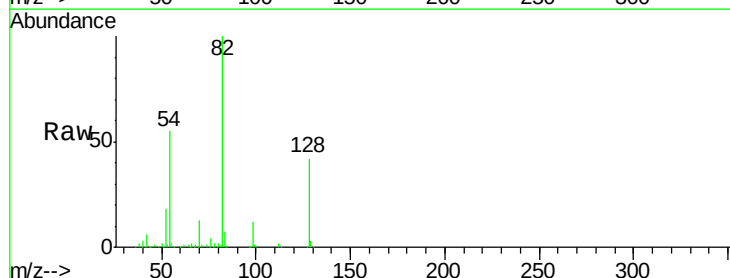
Ion Ratio Lower Upper

70 100

42 46.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

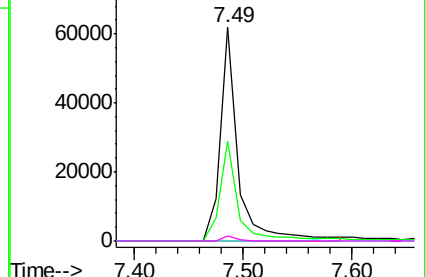
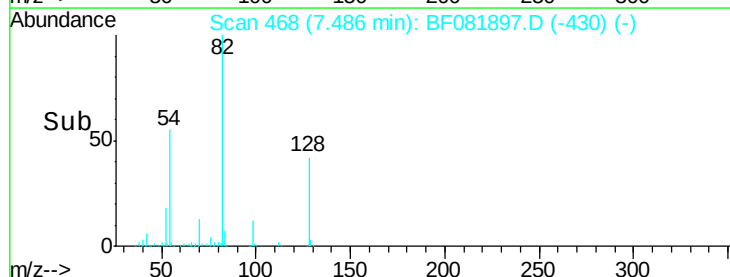


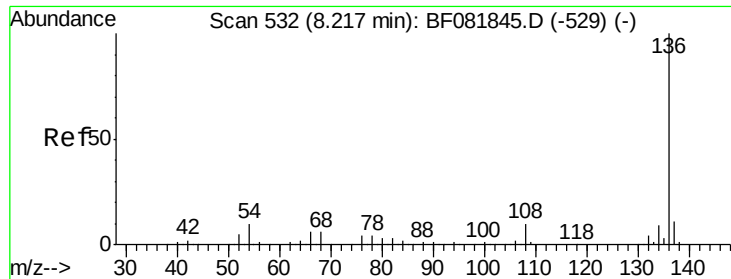
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

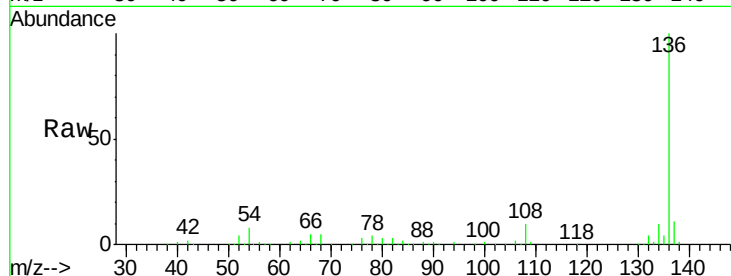




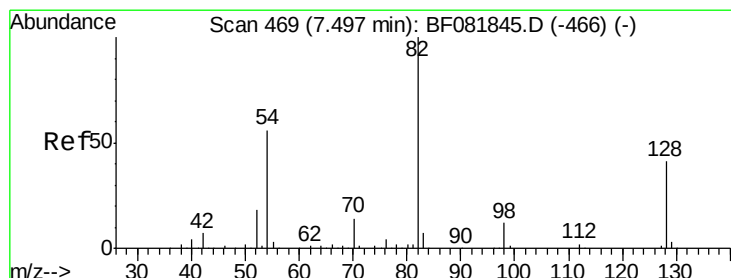
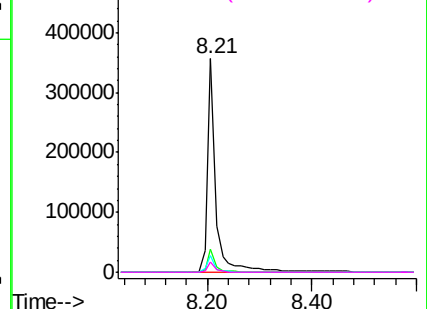
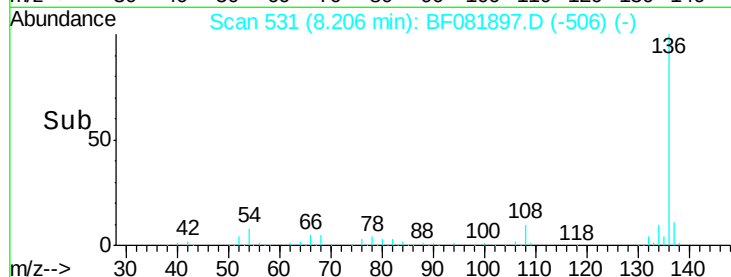
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.21 min Scan# 531  
Delta R.T. -0.01 min  
Lab File: BF081897.D  
Acq: 30 Sep 2015 4:57

Instrument :  
BNA\_F  
ClientSampleId :  
MGP219BR-32-34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 402153 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.0   | 13.6   |
| 54       | 7.9   | 8.2   | 12.2#  |
| 68       | 5.1   | 5.8   | 8.6#   |

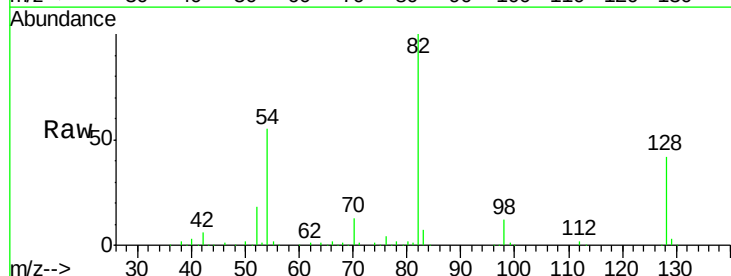


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

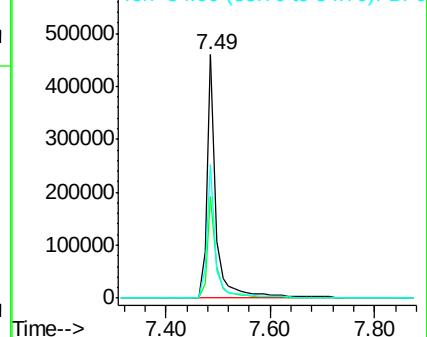
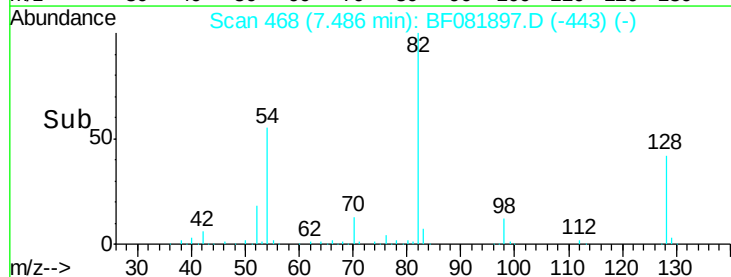


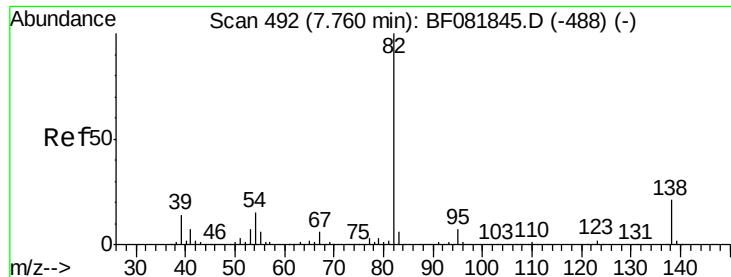
#23  
Nitrobenzene-d5  
Concen: 93.76 ng  
RT: 7.49 min Scan# 468  
Delta R.T. -0.01 min  
Lab File: BF081897.D  
Acq: 30 Sep 2015 4:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 565637 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.7  | 51.0  | 76.6#  |
| 54       | 55.0  | 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: 42.19 ng

RT: 7.49 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Instrument :

BNA\_F

ClientSampleId :

MGP219BR-32-34

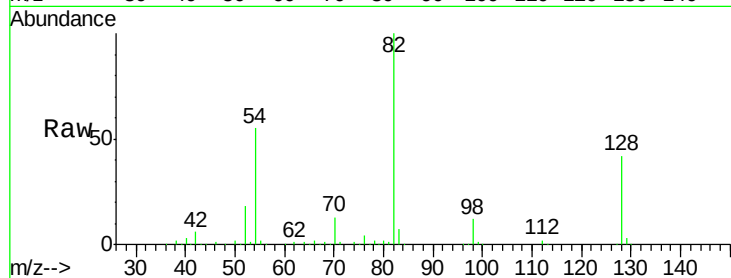
Tgt Ion: 82 Resp: 504473

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

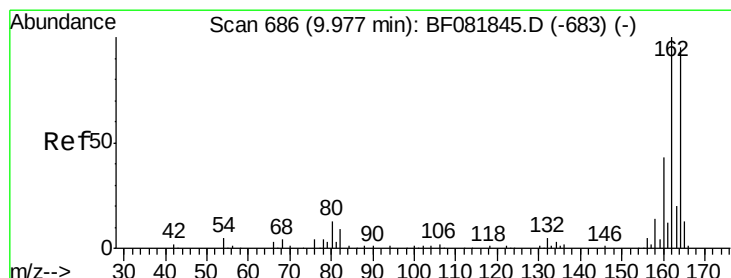
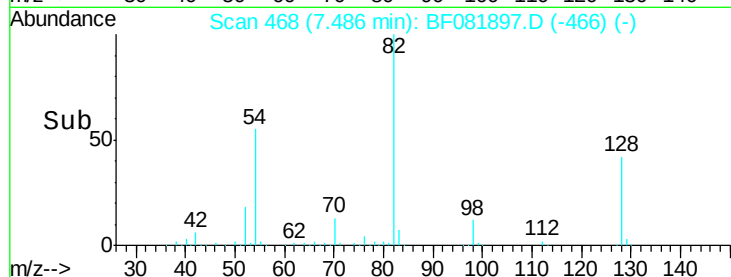
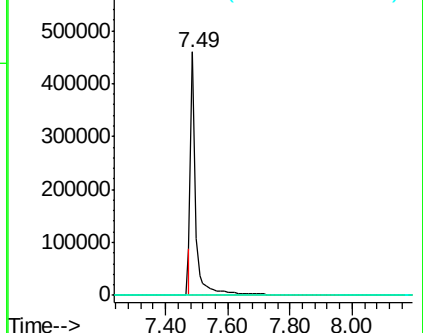
138 0.0 18.3 27.5#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

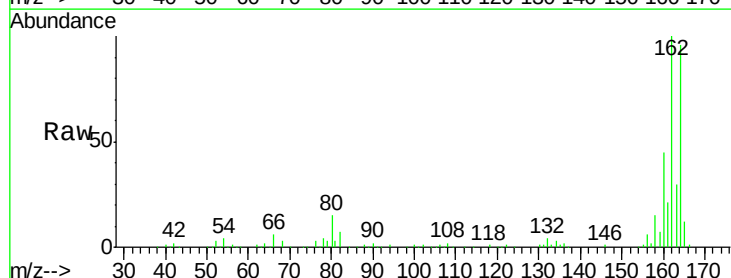
Tgt Ion: 164 Resp: 211742

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

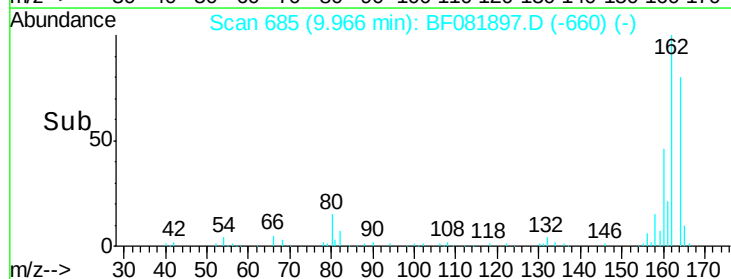
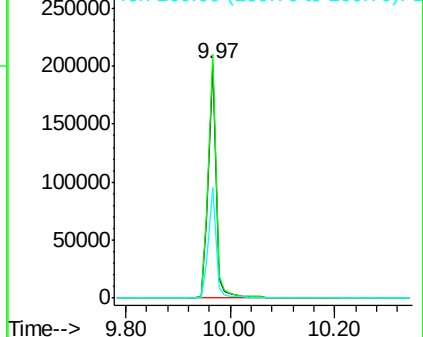
160 47.2 31.5 47.3

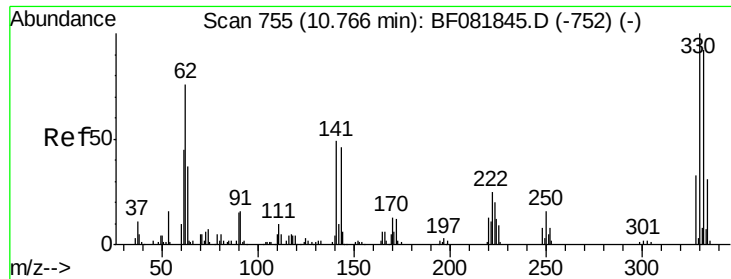


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

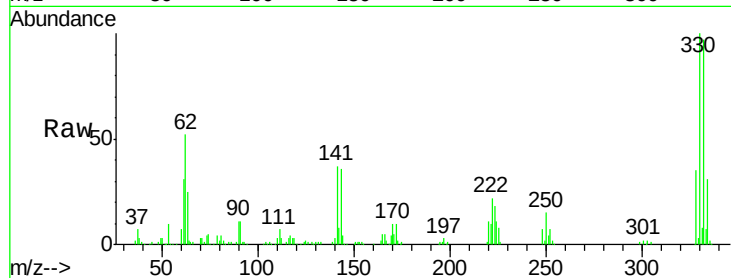




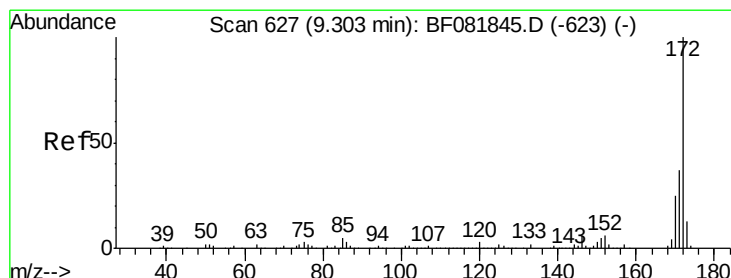
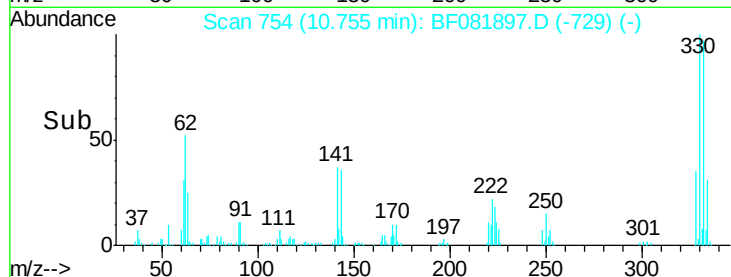
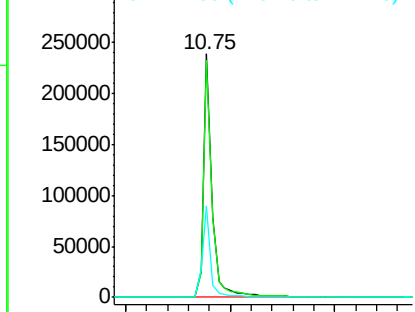
#41  
 2,4,6-Tribromophenol  
 Concen: 128.65 ng  
 RT: 10.75 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: BF081897.D  
 Acq: 30 Sep 2015 4:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP219BR-32-34

Tgt Ion:330 Resp: 275879  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.6 114.8  
 141 36.4 29.7 44.5

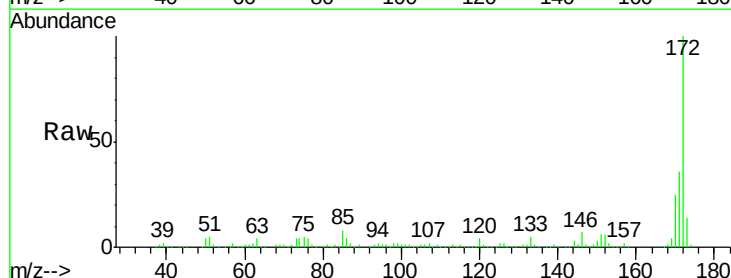


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

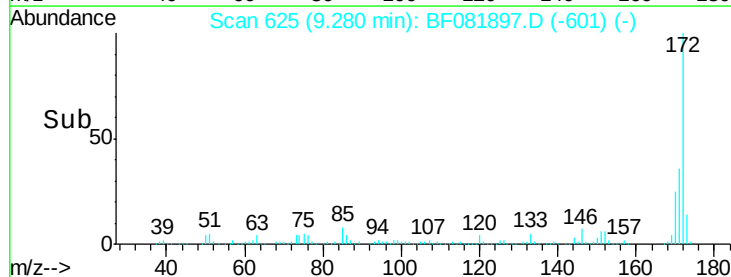
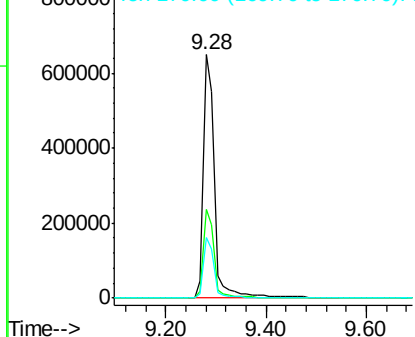


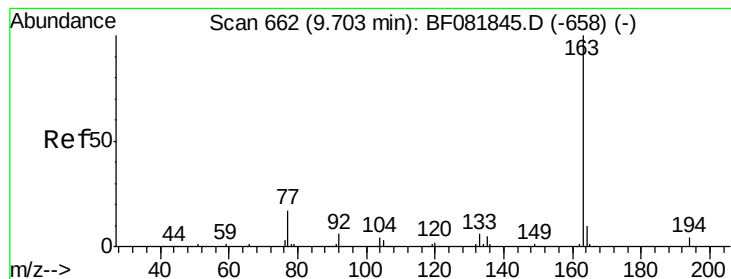
#44  
 2-Fluorobiphenyl  
 Concen: 78.36 ng  
 RT: 9.28 min Scan# 625  
 Delta R.T. -0.02 min  
 Lab File: BF081897.D  
 Acq: 30 Sep 2015 4:57

Tgt Ion:172 Resp: 1006698  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 26.1 39.1  
 170 24.7 17.4 26.2



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





#49

Dimethylphthalate

Concen: 23.24 ng

RT: 9.68 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Instrument :

BNA\_F

ClientSampleId :

MGP219BR-32-34

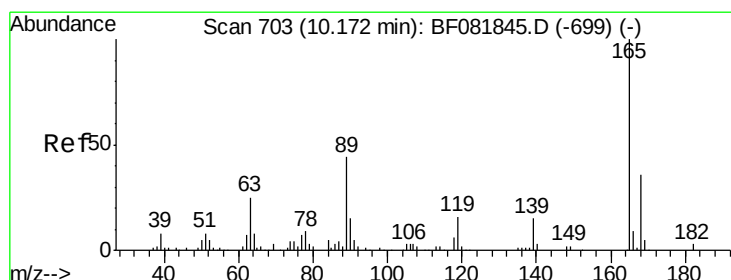
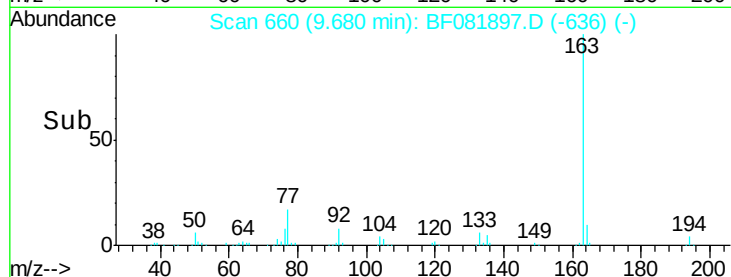
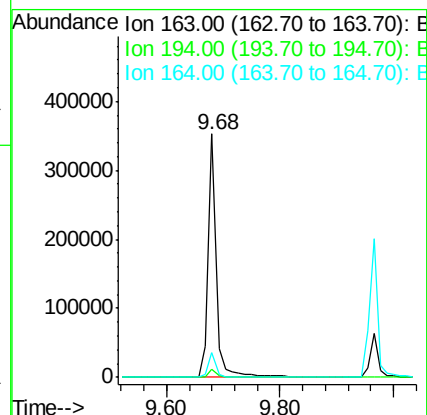
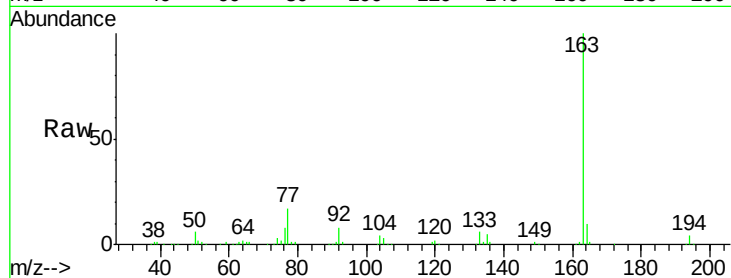
Tgt Ion:163 Resp: 339639

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

164 10.1 8.3 12.5



#56

2,4-Dinitrotoluene

Concen: 6.24 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.21 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Tgt Ion:165 Resp: 25261

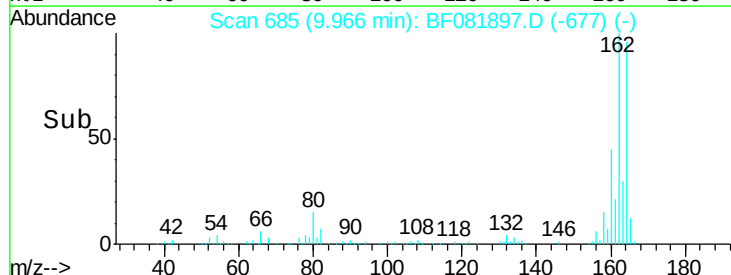
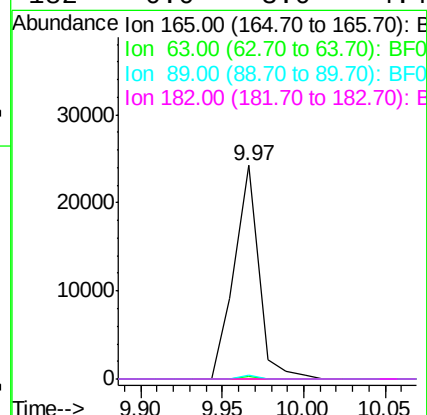
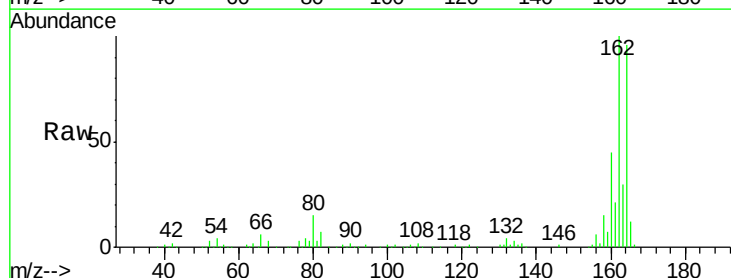
Ion Ratio Lower Upper

165 100

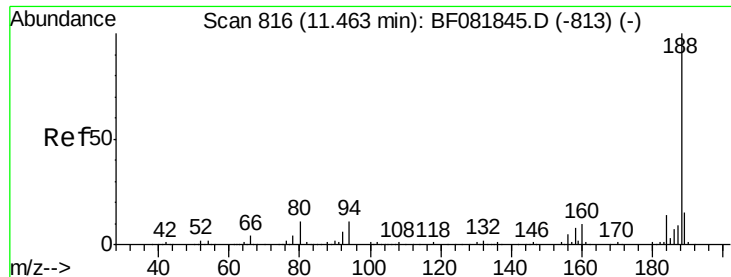
63 1.4 29.8 44.6#

89 1.7 44.5 66.7#

182 0.0 3.0 4.4#



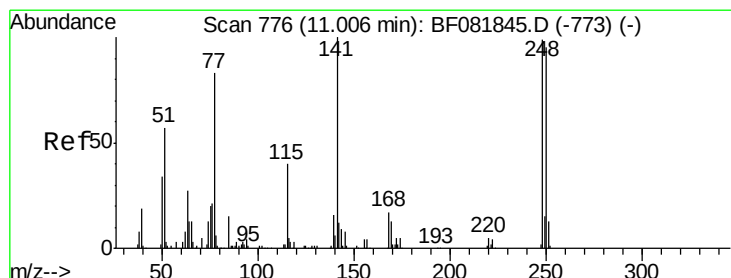
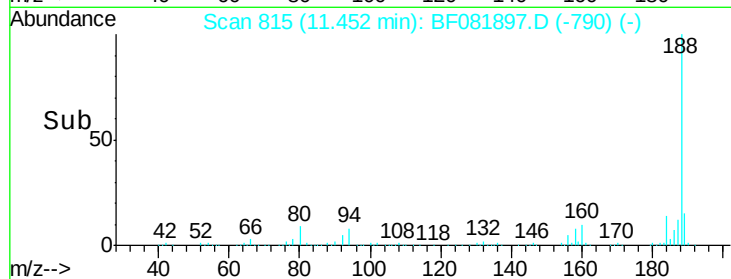
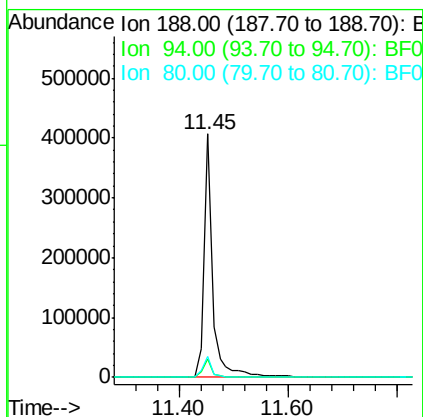
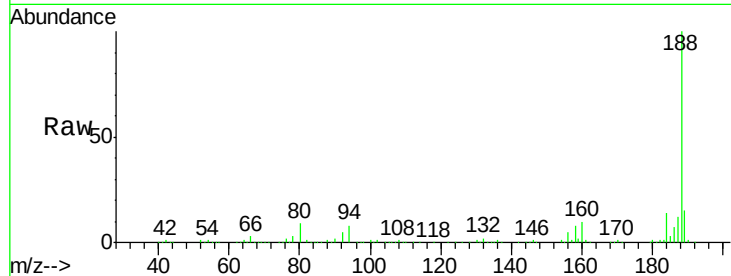




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.45 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF081897.D  
Acq: 30 Sep 2015 4:57

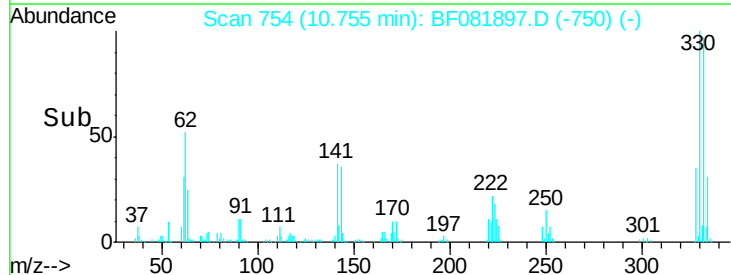
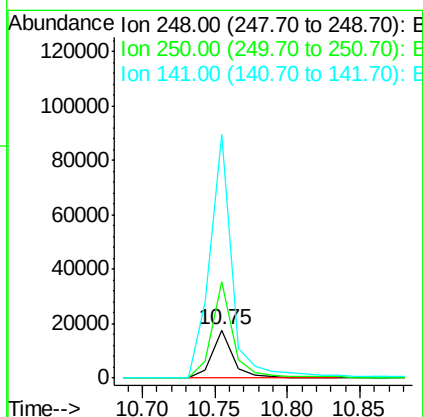
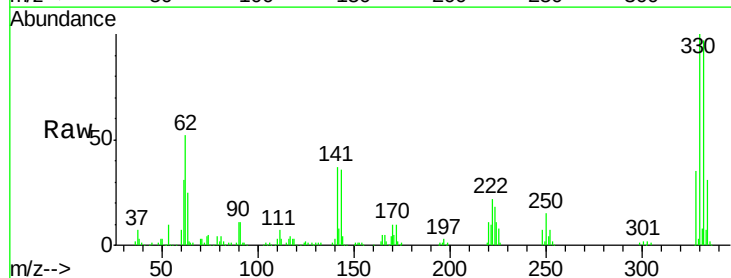
Instrument :  
BNA\_F  
ClientSampleId :  
MGP219BR-32-34

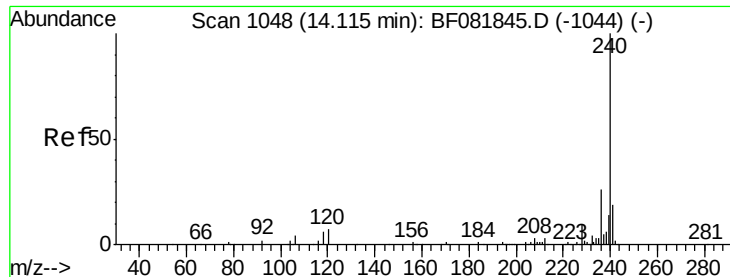
Tgt Ion:188 Resp: 445621  
Ion Ratio Lower Upper  
188 100  
94 7.8 11.1 16.7#  
80 8.6 11.0 16.4#



#66  
4-Bromophenyl-phenylether  
Concen: 4.05 ng  
RT: 10.75 min Scan# 754  
Delta R.T. -0.25 min  
Lab File: BF081897.D  
Acq: 30 Sep 2015 4:57

Tgt Ion:248 Resp: 18204  
Ion Ratio Lower Upper  
248 100  
250 200.1 78.5 117.7#  
141 505.5 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

Instrument :

BNA\_F

ClientSampleId :

MGP219BR-32-34

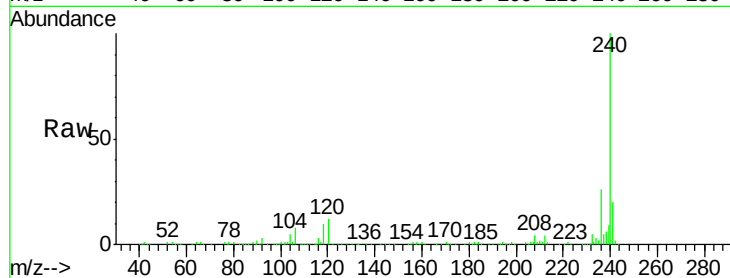
Tgt Ion:240 Resp: 489049

Ion Ratio Lower Upper

240 100

120 12.1 16.2 24.2#

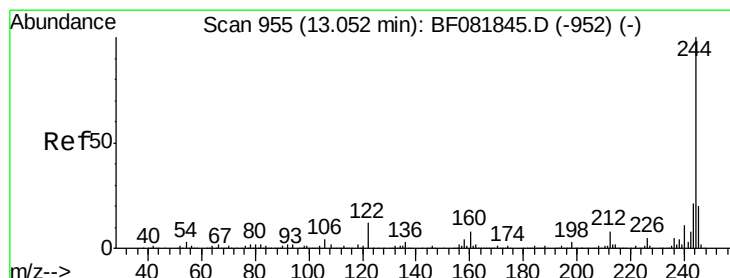
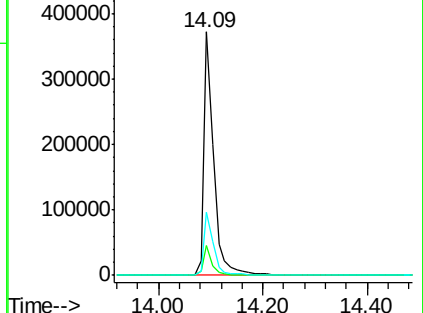
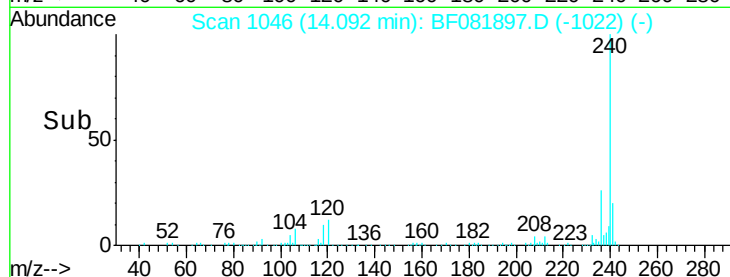
236 25.9 18.4 27.6



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: 85.16 ng

RT: 13.04 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF081897.D

Acq: 30 Sep 2015 4:57

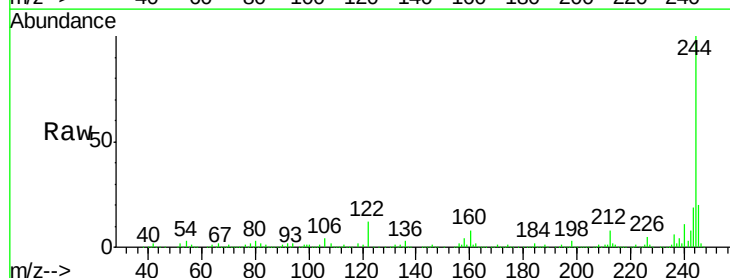
Tgt Ion:244 Resp: 1288840

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

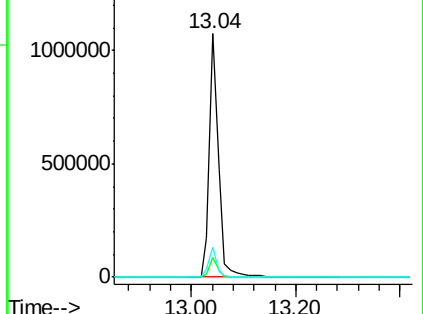
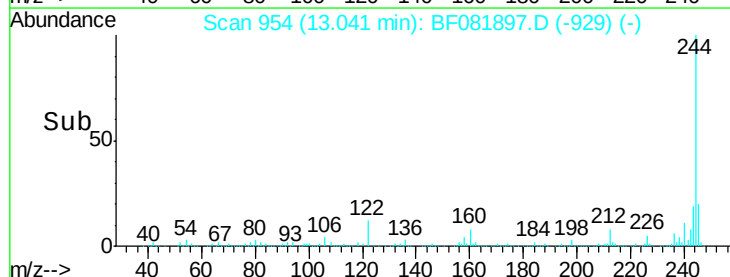
122 12.2 17.4 26.2#

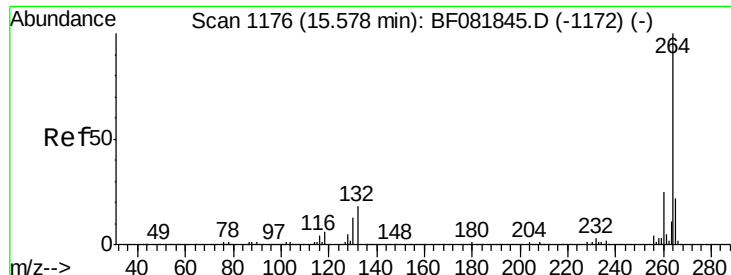


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.57 min Scan# 1175  
Delta R.T. -0.01 min  
Lab File: BF081897.D  
Acq: 30 Sep 2015 4:57

Instrument :  
BNA\_F  
ClientSampleId :  
MGP219BR-32-34

Tgt Ion: 264 Resp: 235968  
Ion Ratio Lower Upper  
264 100  
260 22.9 16.7 25.1  
265 21.3 17.2 25.8

