

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100815\  
 Data File : BF082131.D  
 Acq On : 8 Oct 2015 17:05  
 Operator : UM/IZ  
 Sample : G3945-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP215BR-20-21

Quant Time: Oct 09 05:08:56 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 09 05:03:35 2015  
 Response via : Initial Calibration

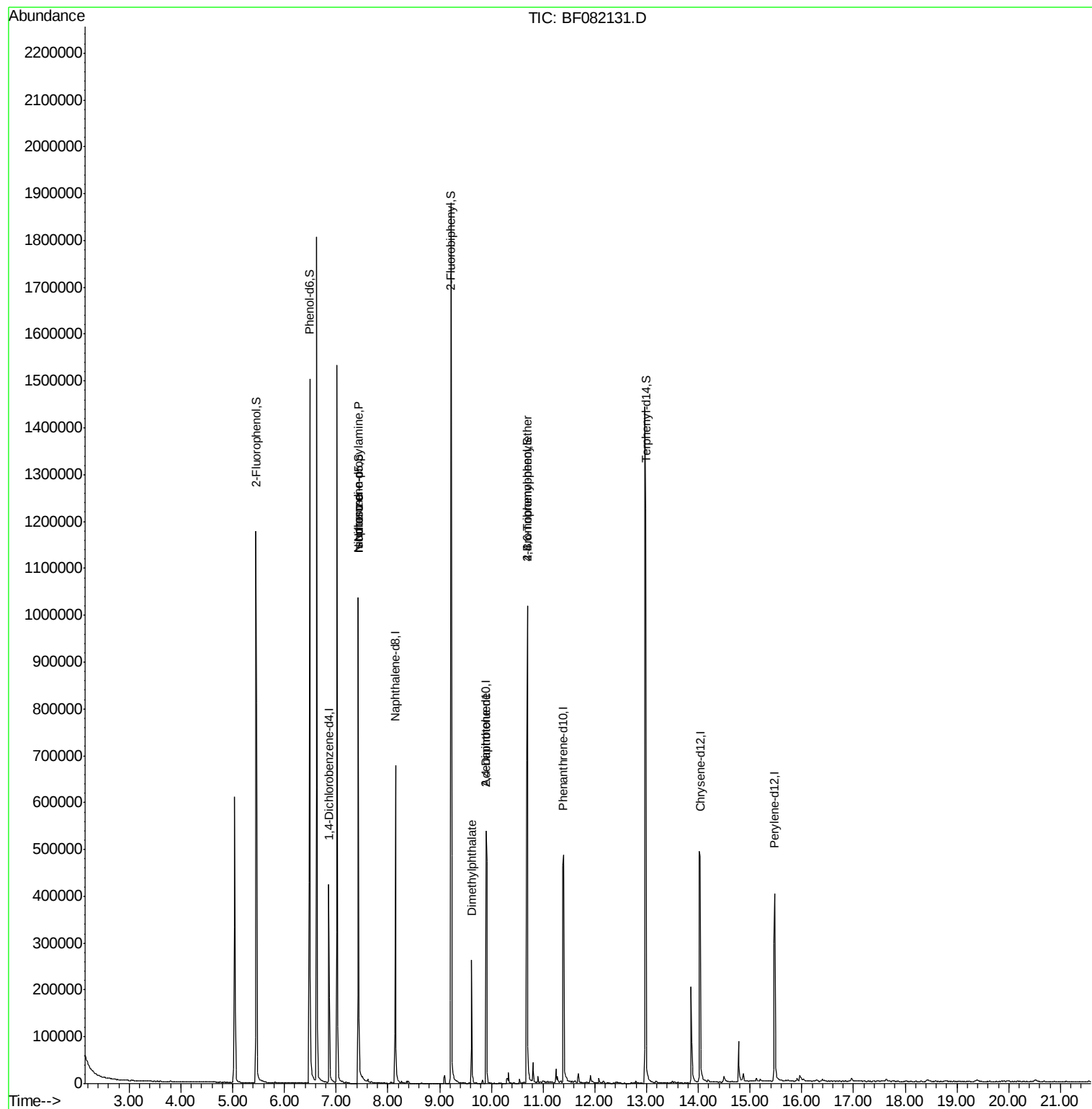
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 82200    | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.15  | 136  | 335154   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.90  | 164  | 163006   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.39 | 188  | 322845   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.04 | 240  | 321316   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.48 | 264  | 244241   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 455939   | 100.69    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 577972   | 101.44    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 379610   | 75.50     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 180012   | 109.04    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 650635   | 63.60     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.98 | 244  | 724508   | 69.18     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 48490    | 14.00     | ng    | # 57     |
| 25) Isophorone                 | 7.43  | 82   | 327541   | 32.87     | ng    | # 58     |
| 49) Dimethylphthalate          | 9.62  | 163  | 125461   | 11.15     | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 20368    | 6.54      | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 11105    | 3.41      | ng    | # 1      |
| 70) Phenanthrene               | 11.42 | 178  | 235      | Below Cal |       | # 62     |
| 73) Di-n-butylphthalate        | 11.96 | 149  | 2505     | Below Cal |       | # 78     |

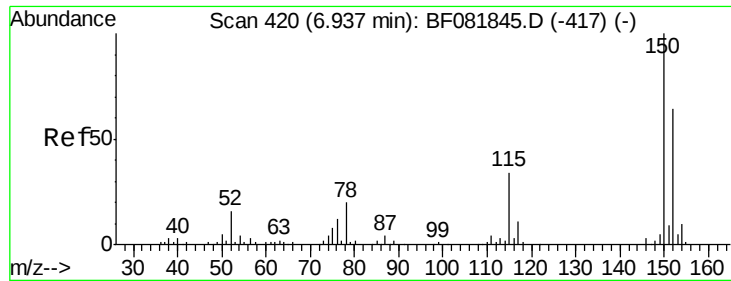
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

Instrument :

BNA\_F

ClientSampleId :

MGP215BR-20-21

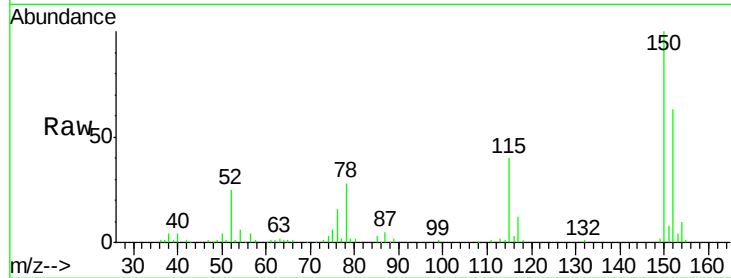
Tot Ion:152 Resp: 82200

Ion Ratio Lower Upper

152 100

150 159.7 124.7 187.1

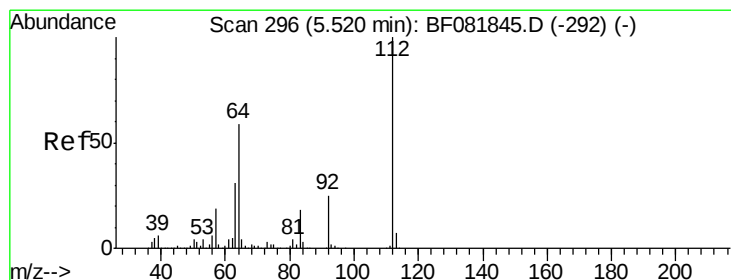
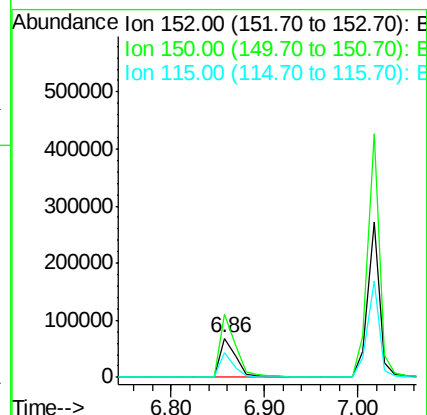
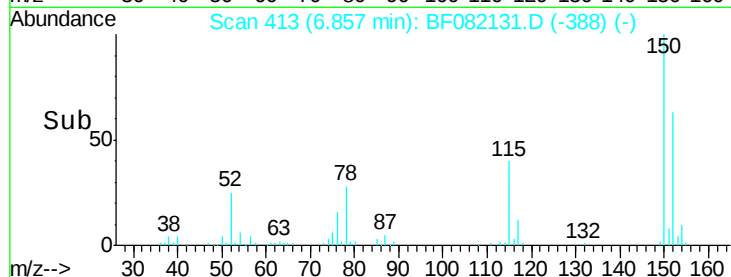
115 64.6 39.0 58.4#



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: 100.69 ng

RT: 5.45 min Scan# 290

Delta R.T. 0.00 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

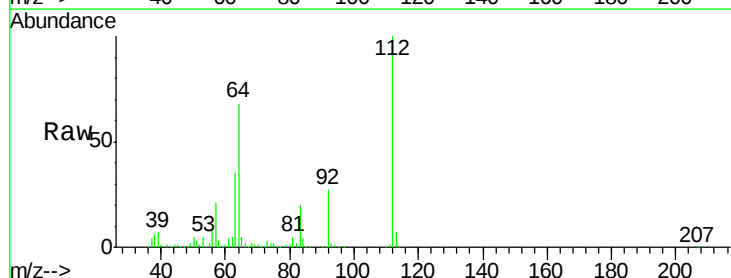
Tgt Ion:112 Resp: 455939

Ion Ratio Lower Upper

112 100

64 68.1 39.7 59.5#

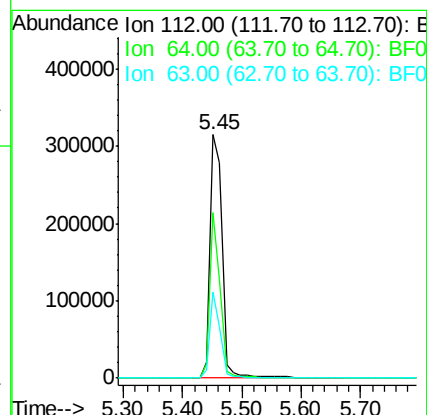
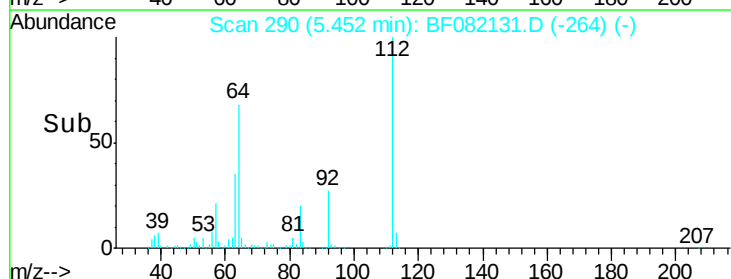
63 35.2 17.4 26.0#

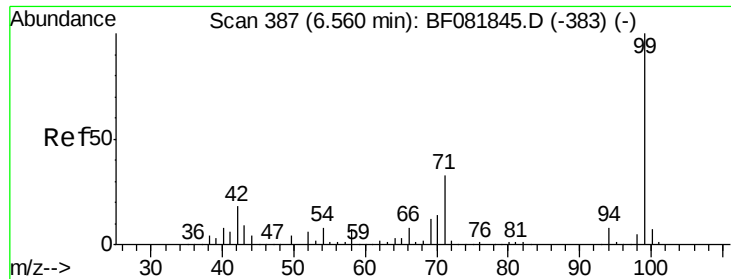


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.44 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

Instrument :

BNA\_F

ClientSampleId :

MGP215BR-20-21

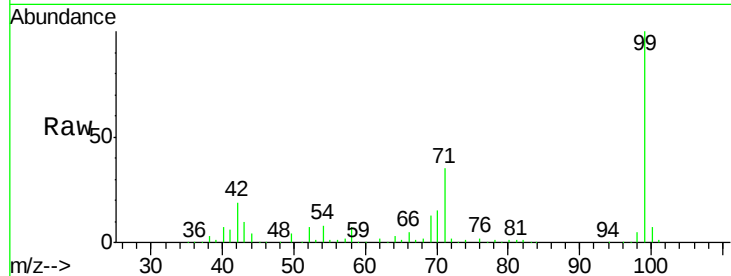
Tot Ion: 99 Resp: 577972

Ion Ratio Lower Upper

99 100

42 18.6 13.7 20.5

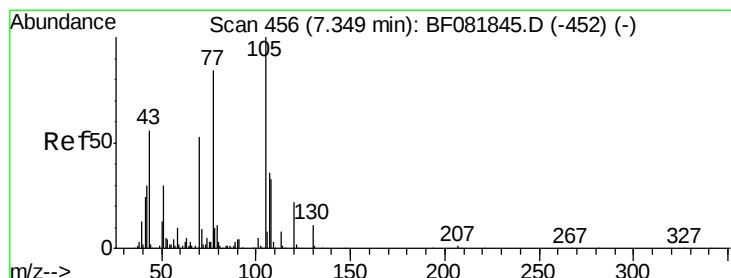
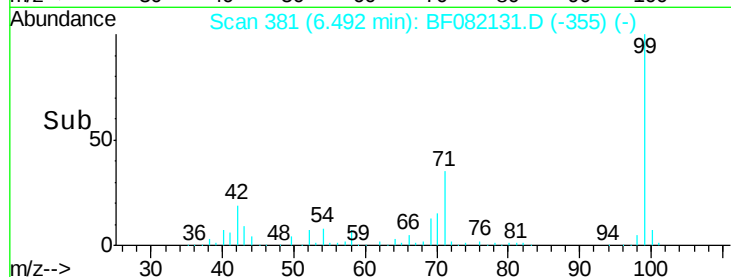
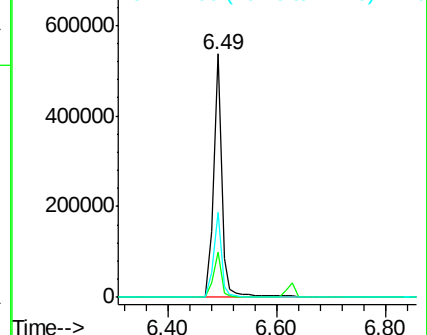
71 34.9 14.2 21.2#



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: 14.00 ng

RT: 7.43 min Scan# 463

Delta R.T. 0.15 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

Tgt Ion: 70 Resp: 48490

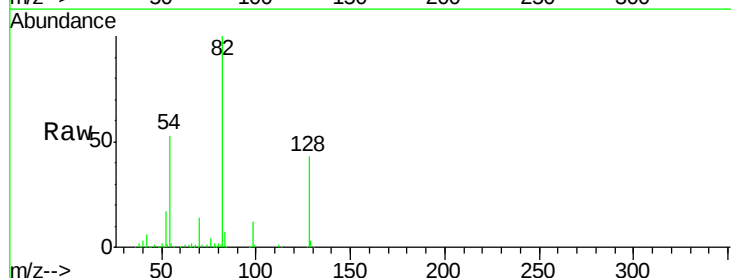
Ion Ratio Lower Upper

70 100

42 44.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

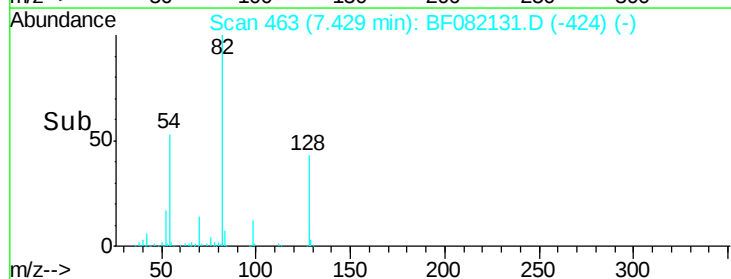
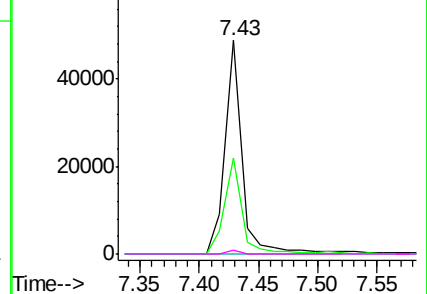


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

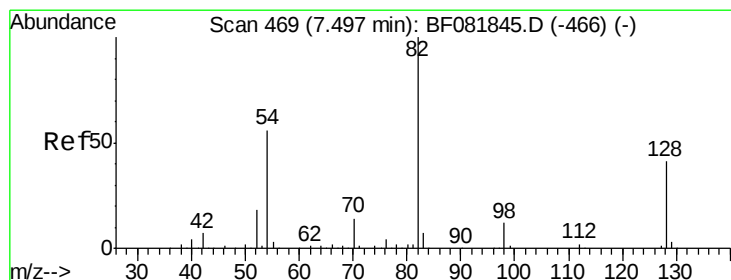
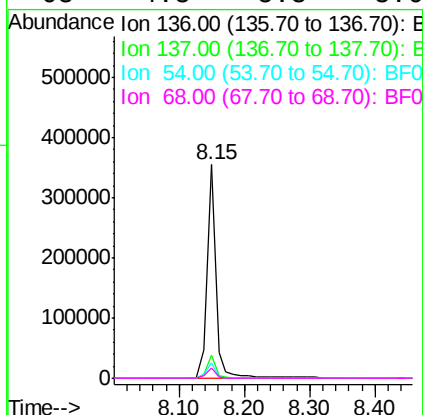
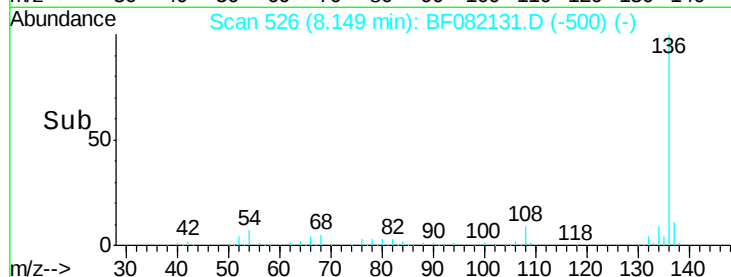
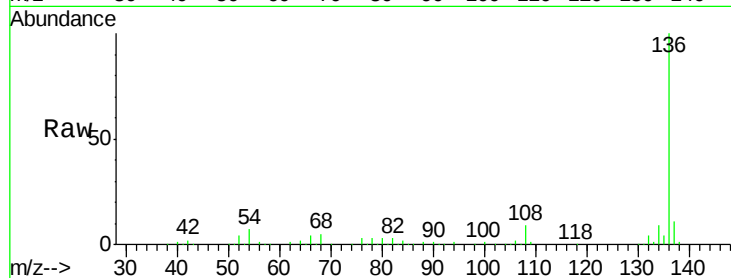




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.15 min Scan# 526  
Delta R.T. 0.00 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

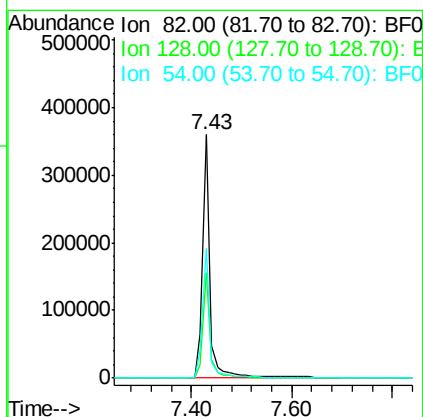
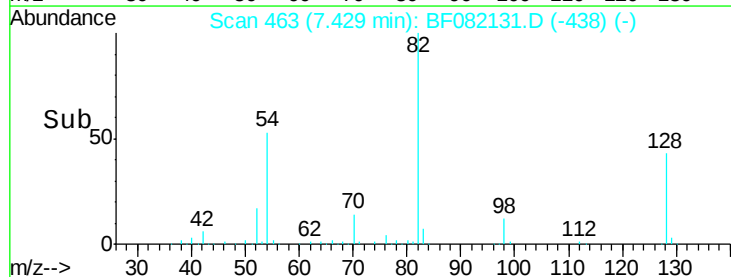
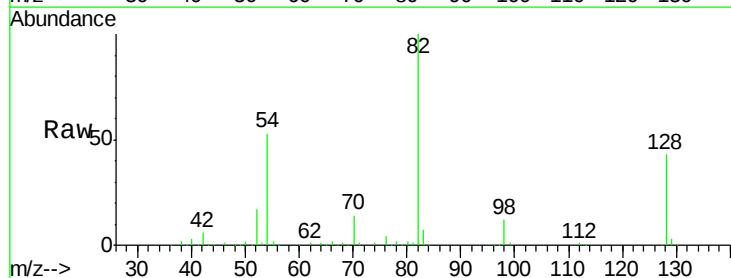
Instrument :  
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MGP215BR-20-21

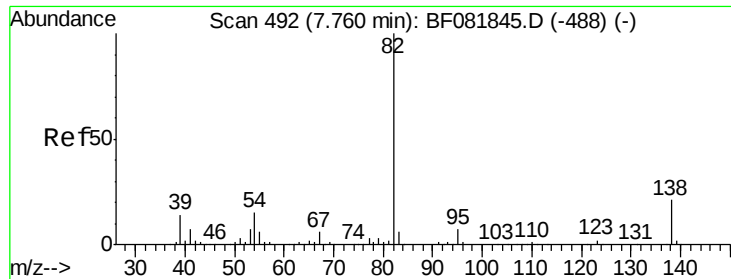
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 335154 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.0   | 13.6   |
| 54       | 7.4   | 8.2   | 12.2#  |
| 68       | 4.8   | 5.8   | 8.6#   |



#23  
Nitrobenzene-d5  
Concen: 75.50 ng  
RT: 7.43 min Scan# 463  
Delta R.T. -0.01 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 379610 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.3  | 51.0  | 76.6#  |
| 54       | 53.1  | 47.5  | 71.3   |





#25

Isophorone

Concen: 32.87 ng

RT: 7.43 min Scan# 463

Delta R.T. -0.26 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

Instrument :

BNA\_F

ClientSampleId :

MGP215BR-20-21

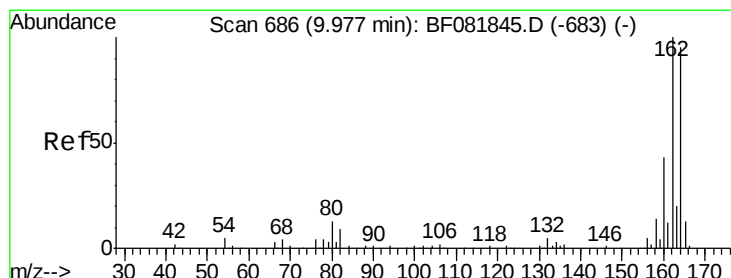
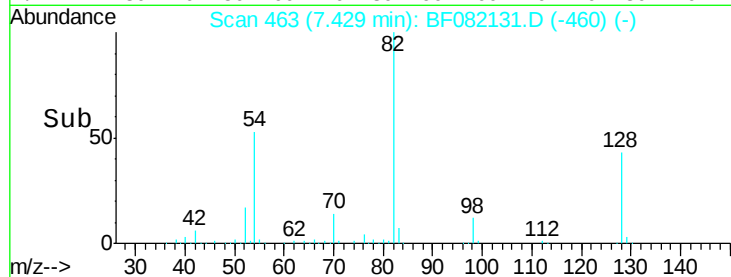
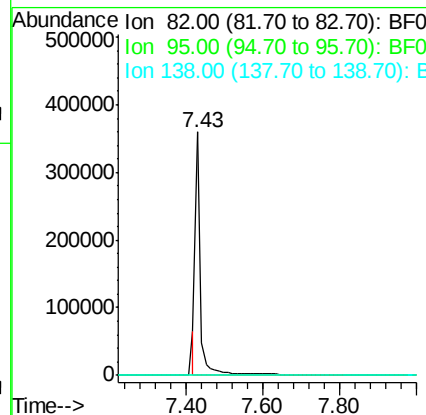
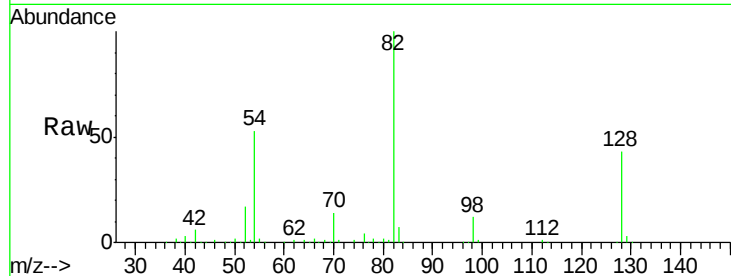
Tot Ion: 82 Resp: 327541

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

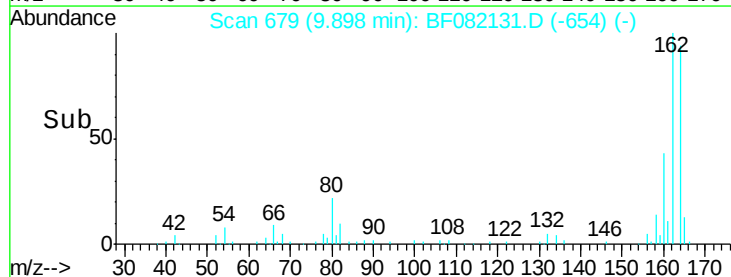
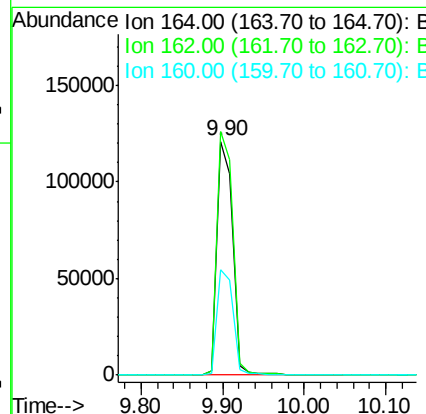
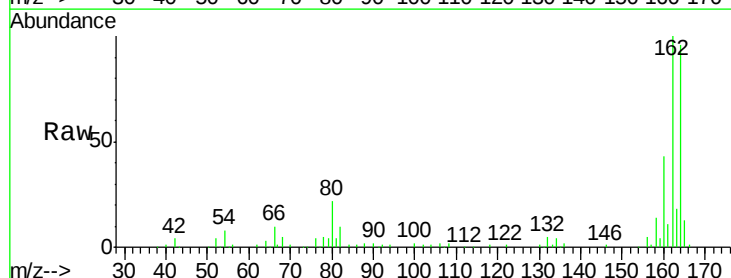
Tgt Ion: 164 Resp: 163006

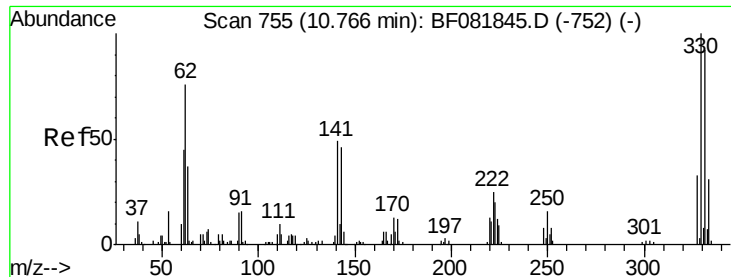
Ion Ratio Lower Upper

164 100

162 104.2 75.2 112.8

160 44.9 31.5 47.3

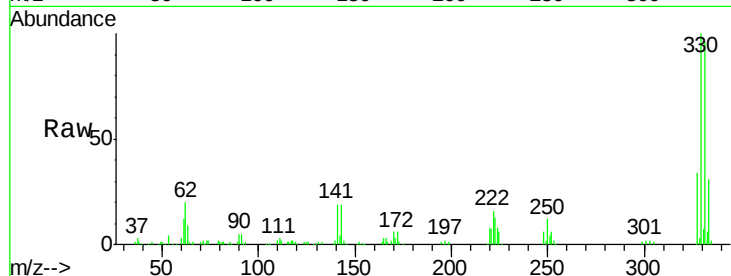




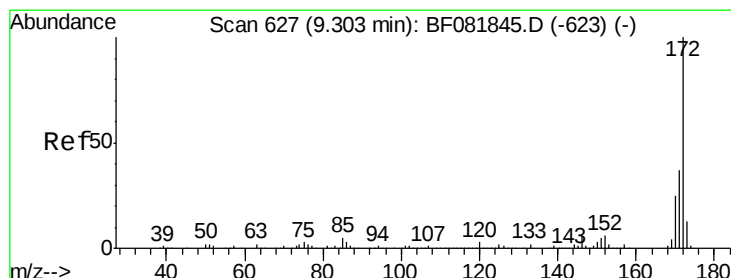
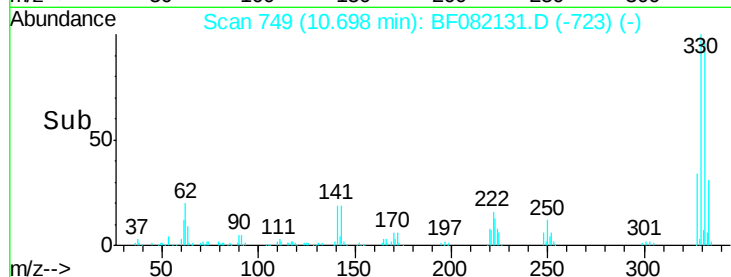
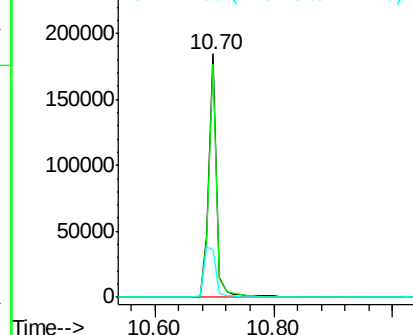
#41  
 2,4,6-Tribromophenol  
 Concen: 109.04 ng  
 RT: 10.70 min Scan# 749  
 Delta R.T. 0.00 min  
 Lab File: BF082131.D  
 Acq: 8 Oct 2015 17:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP215BR-20-21

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.6  | 114.8 |
| 141     | 31.3  | 29.7  | 44.5  |

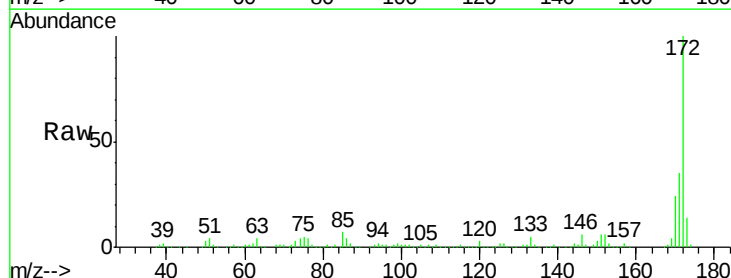


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

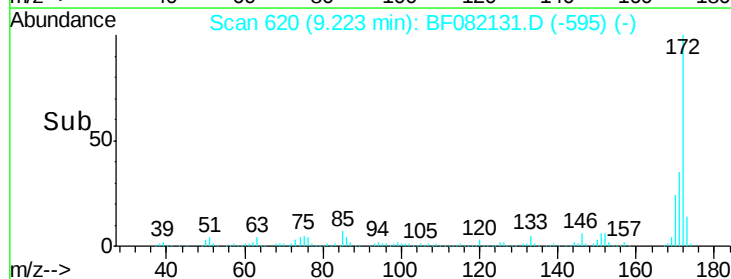
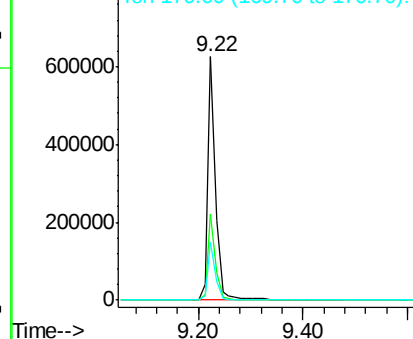


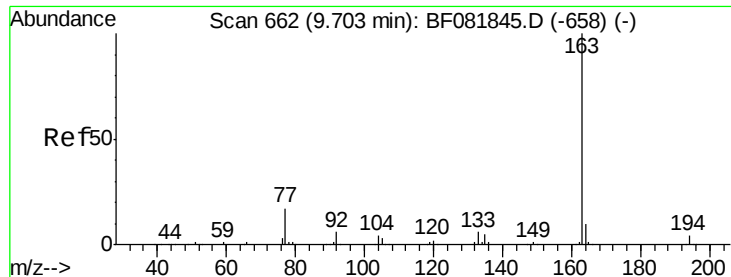
#44  
 2-Fluorobiphenyl  
 Concen: 63.60 ng  
 RT: 9.22 min Scan# 620  
 Delta R.T. -0.01 min  
 Lab File: BF082131.D  
 Acq: 8 Oct 2015 17:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 26.1  | 39.1  |
| 170     | 23.9  | 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

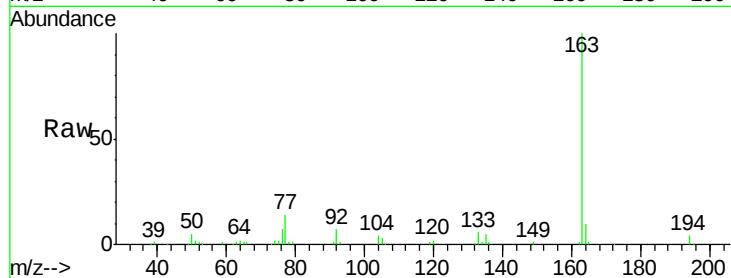




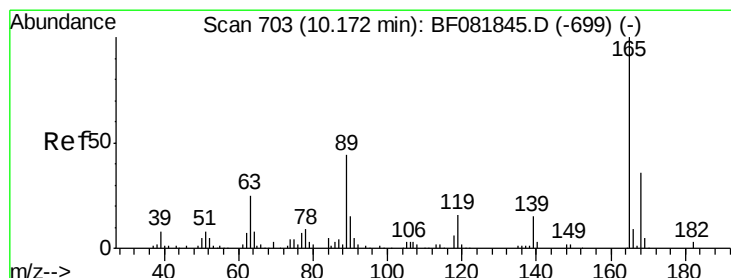
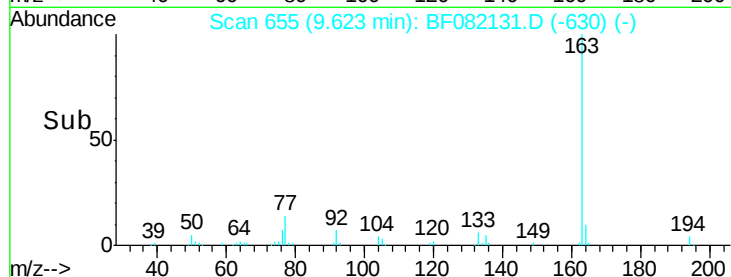
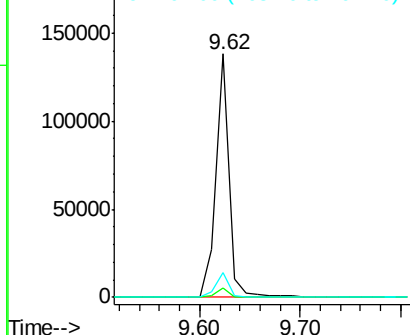
#49  
Dimethylphthalate  
Concen: 11.15 ng  
RT: 9.62 min Scan# 655  
Delta R.T. -0.01 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

Instrument :  
BNA\_F  
ClientSampleId :  
MGP215BR-20-21

Tot Ion:163 Resp: 125461  
Ion Ratio Lower Upper  
163 100  
194 3.7 4.4 6.6#  
164 10.0 8.3 12.5

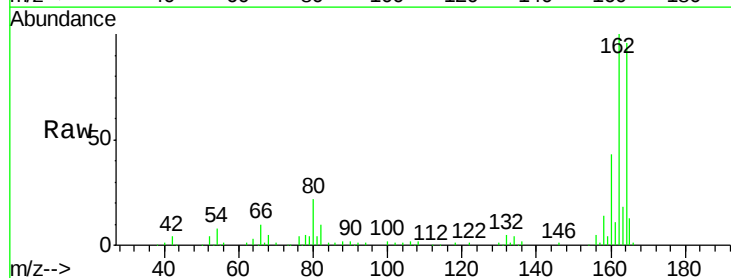


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

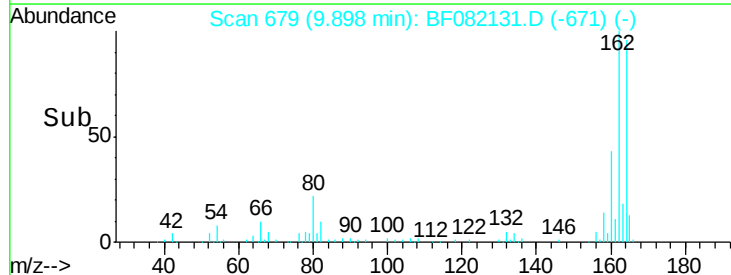
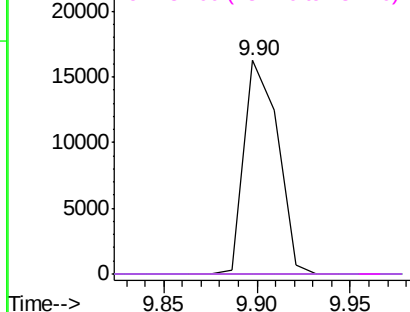


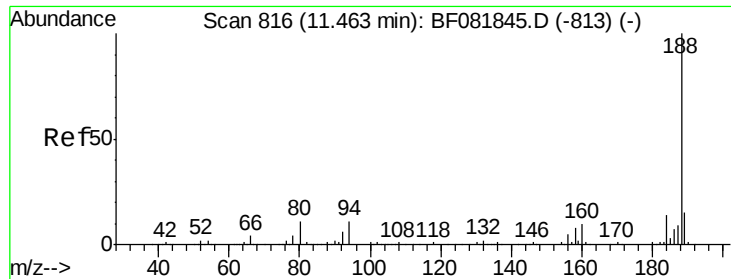
#56  
2,4-Dinitrotoluene  
Concen: 6.54 ng  
RT: 9.90 min Scan# 679  
Delta R.T. -0.21 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

Tgt Ion:165 Resp: 20368  
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

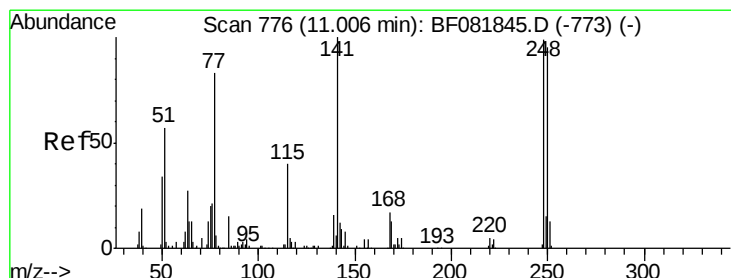
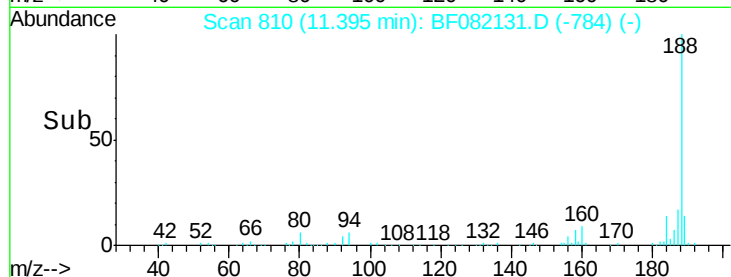
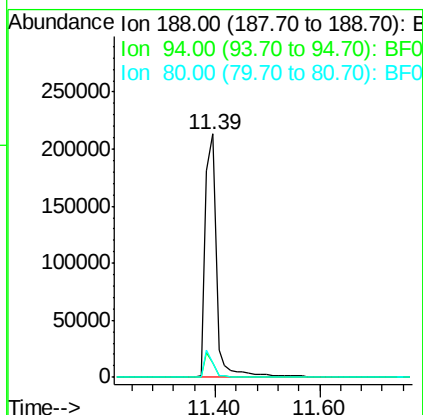
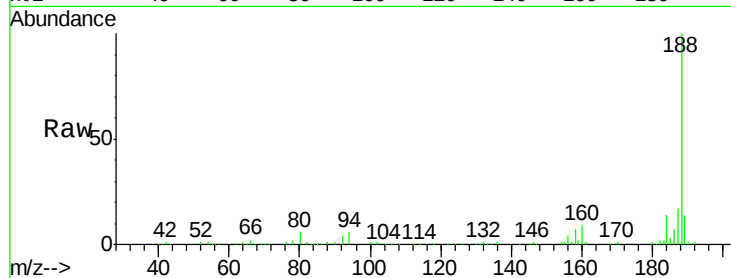




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 810  
Delta R.T. 0.00 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

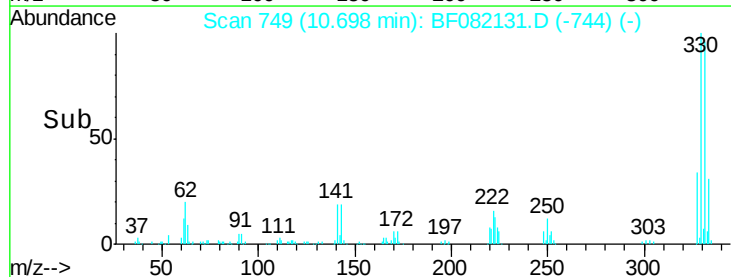
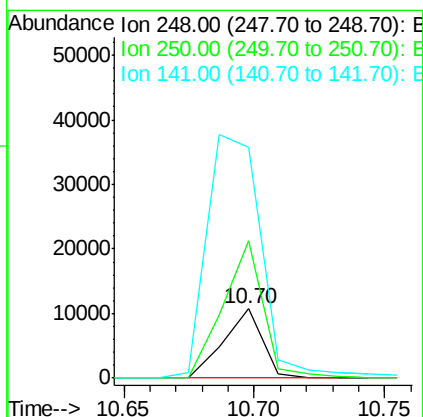
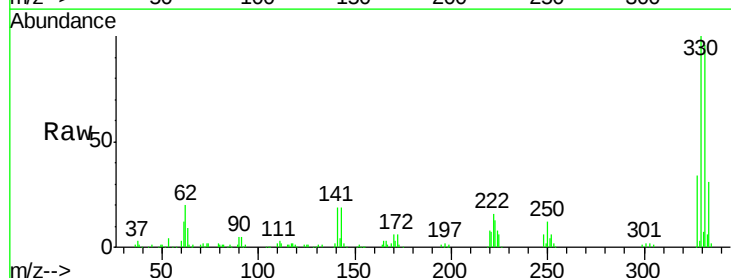
Instrument :  
BNA\_F  
ClientSampleId :  
MGP215BR-20-21

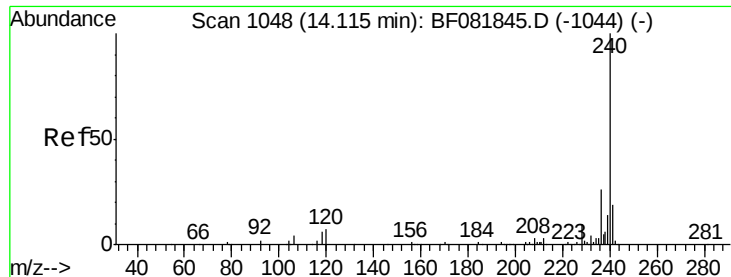
Tot Ion:188 Resp: 322845  
Ion Ratio Lower Upper  
188 100  
94 6.2 11.1 16.7#  
80 6.2 11.0 16.4#



#66  
4-Bromophenyl-phenylether  
Concen: 3.41 ng  
RT: 10.70 min Scan# 749  
Delta R.T. -0.24 min  
Lab File: BF082131.D  
Acq: 8 Oct 2015 17:05

Tgt Ion:248 Resp: 11105  
Ion Ratio Lower Upper  
248 100  
250 199.2 78.5 117.7#  
141 334.1 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

Instrument :

BNA\_F

ClientSampleId :

MGP215BR-20-21

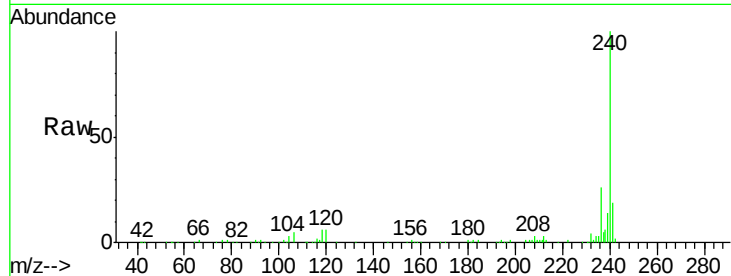
Tot Ion:240 Resp: 321316

Ion Ratio Lower Upper

240 100

120 6.4 16.2 24.2#

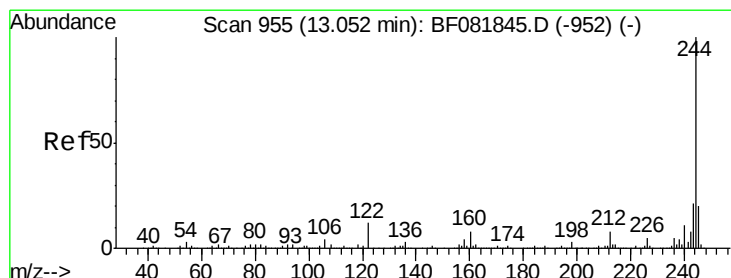
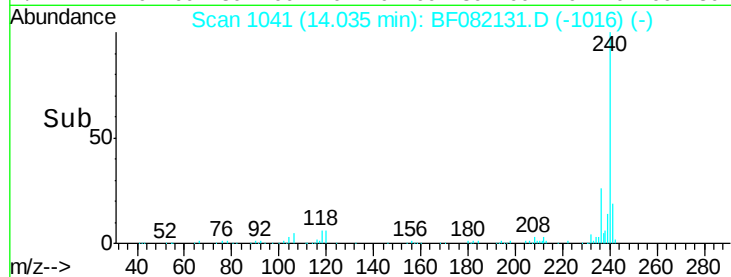
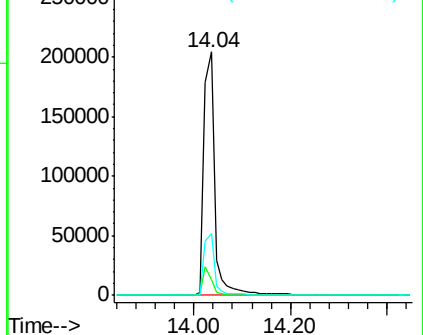
236 25.6 18.4 27.6



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: 69.18 ng

RT: 12.98 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF082131.D

Acq: 8 Oct 2015 17:05

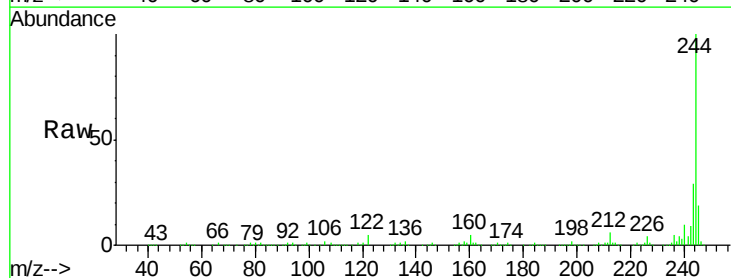
Tgt Ion:244 Resp: 724508

Ion Ratio Lower Upper

244 100

212 6.4 4.3 6.5

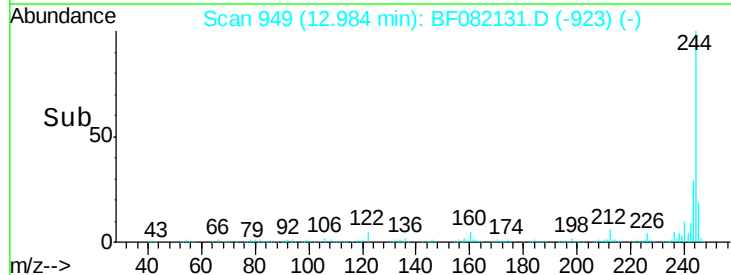
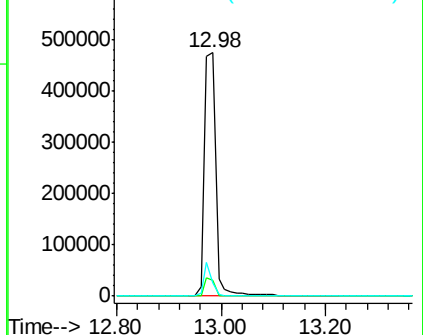
122 5.5 17.4 26.2#

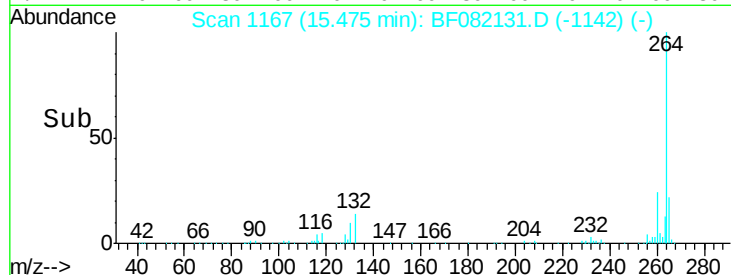
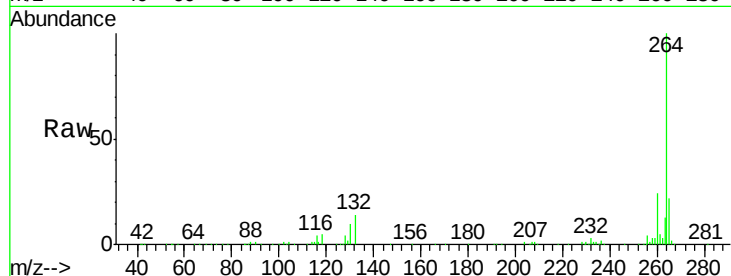
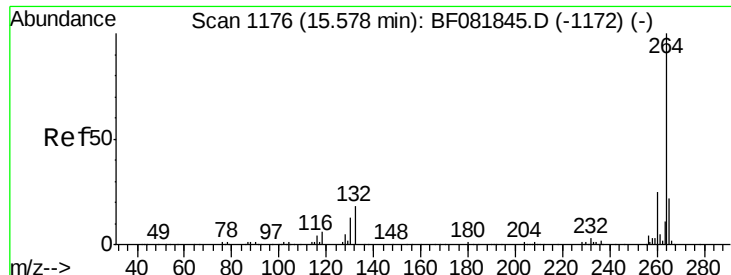


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.48 min Scan# 1167  
 Delta R.T. -0.01 min  
 Lab File: BF082131.D  
 Acq: 8 Oct 2015 17:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP215BR-20-21

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:264 | Resp: | 244241    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.4  | 16.7 25.1 |
| 265         | 21.6  | 17.2 25.8 |

