

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF092515\  
 Data File : BF081801.D  
 Acq On : 25 Sep 2015 14:11  
 Operator : UM/IZ  
 Sample : G3708-09RE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP201-36-38

Quant Time: Sep 25 23:16:41 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 25 06:02:49 2015  
 Response via : Initial Calibration

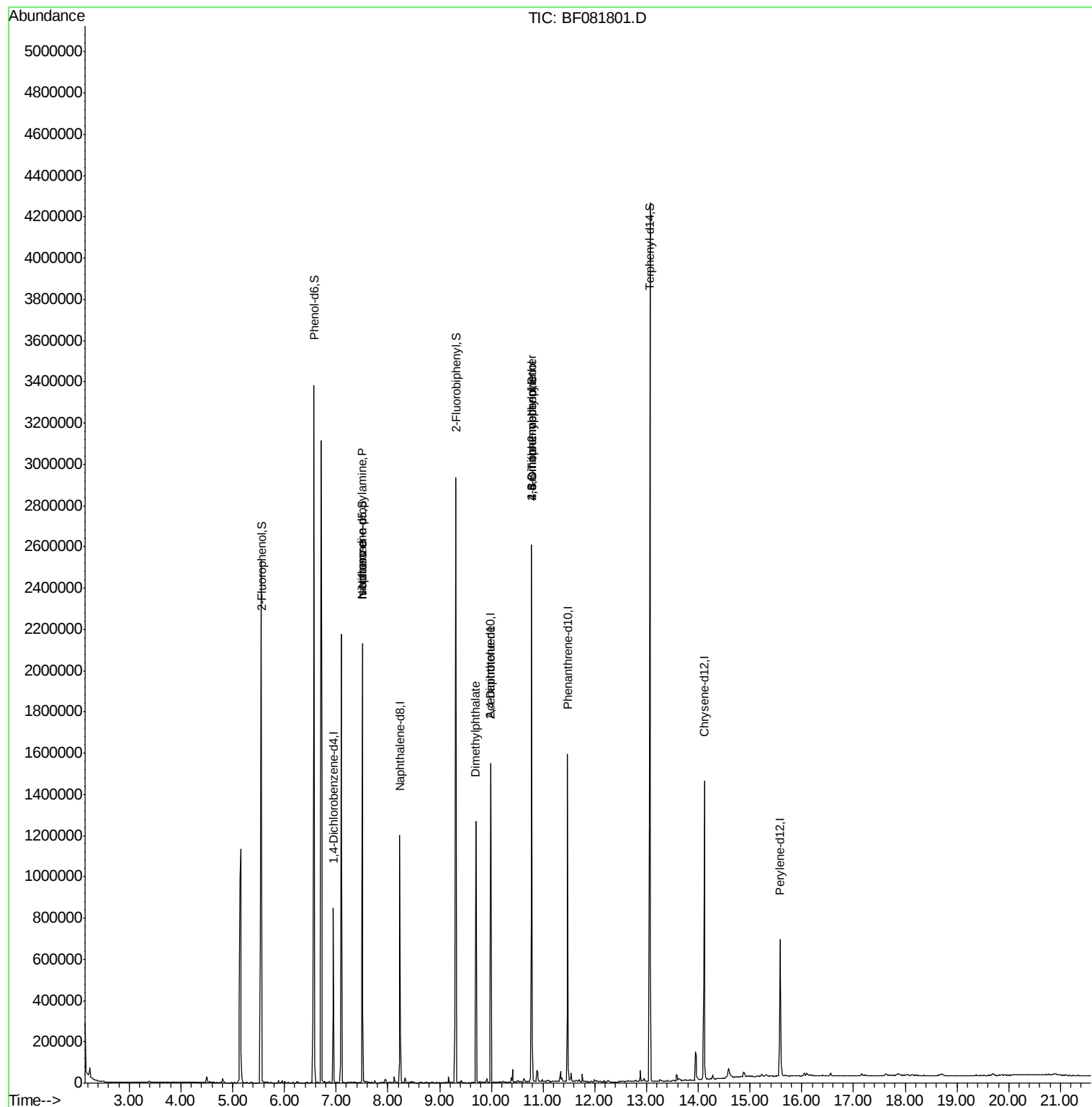
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 141784   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.23  | 136  | 522400   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.99  | 164  | 291174   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.48 | 188  | 548253   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.12 | 240  | 513541   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.58 | 264  | 376884   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 1054024  | 125.76 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.57  | 99   | 1311499  | 123.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 704307   | 88.95  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 294443   | 116.48 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 1421169  | 80.12  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.06 | 244  | 1380585  | 61.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 94820    | 13.42  | ng    | # 61     |
| 25) Isophorone                 | 7.51  | 82   | 566450   | 32.29  | ng    | # 58     |
| 49) Dimethylphthalate          | 9.70  | 163  | 483059   | 21.80  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 9.99  | 165  | 37626    | 7.35   | ng    | # 33     |
| 64) 4,6-Dinitro-2-methylphenol | 10.78 | 198  | 901      | 8.56   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 20558    | 3.37   | ng    | # 1      |

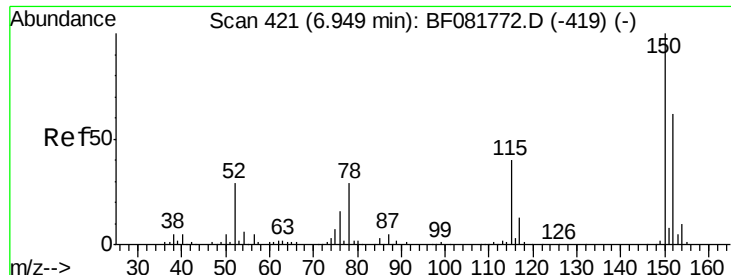
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Instrument :

BNA\_F

ClientSampleId :

MGP201-36-38

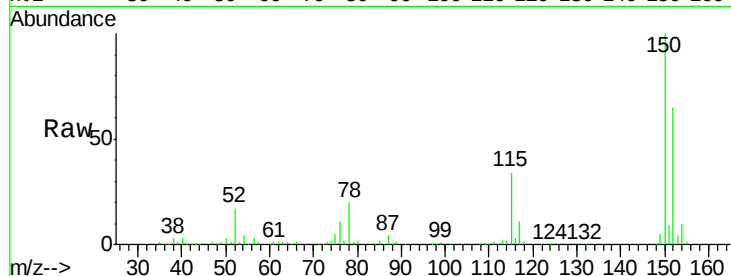
Tgt Ion:152 Resp: 141784

Ion Ratio Lower Upper

152 100

150 154.5 124.7 187.1

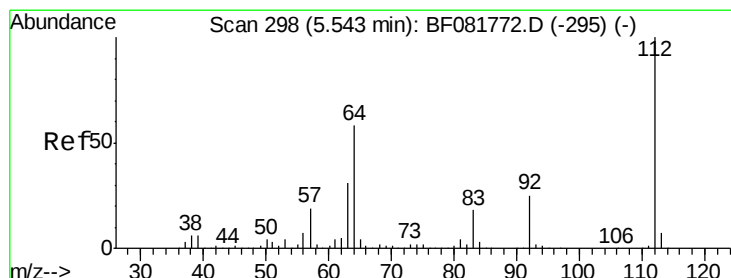
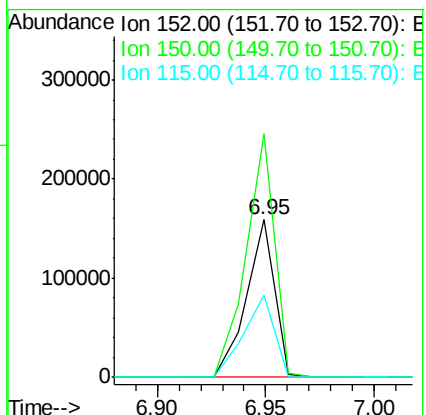
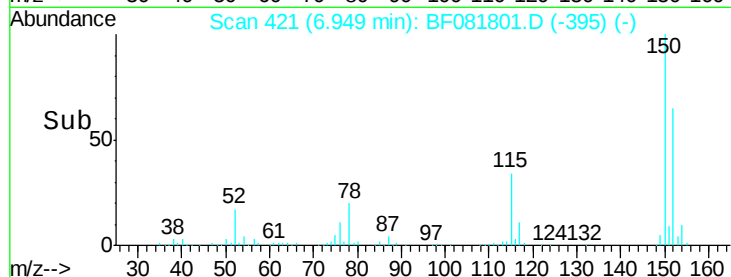
115 52.3 39.0 58.4



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: 125.76 ng

RT: 5.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

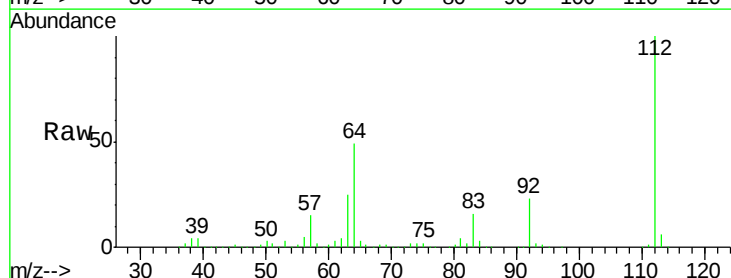
Tgt Ion:112 Resp: 1054024

Ion Ratio Lower Upper

112 100

64 48.5 39.7 59.5

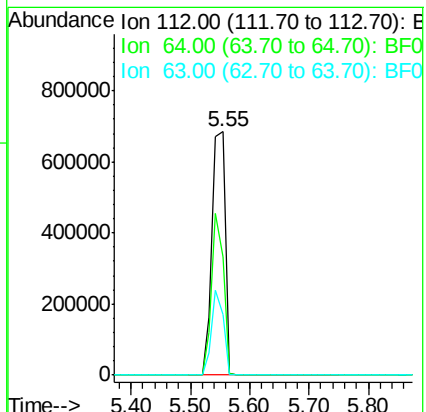
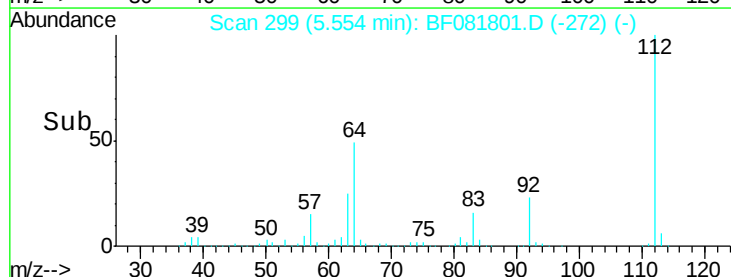
63 24.8 17.4 26.0

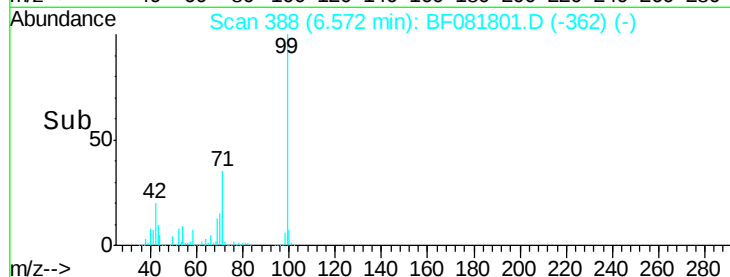
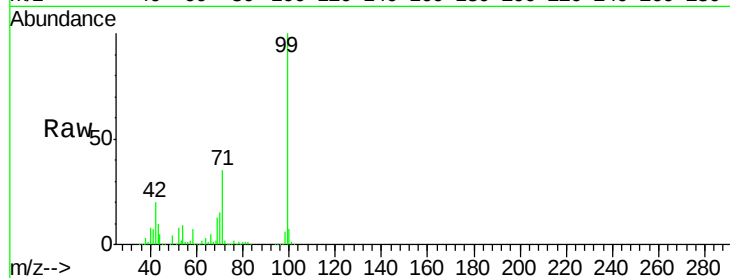
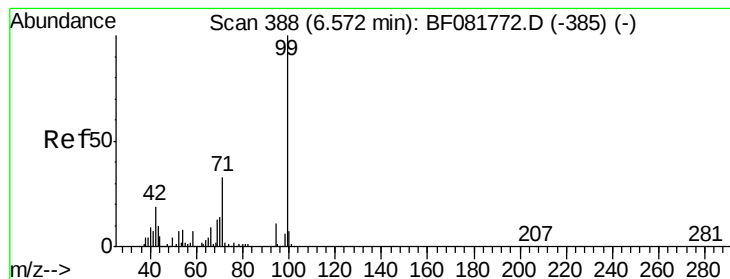


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.72 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Instrument :

BNA\_F

ClientSampleId :

MGP201-36-38

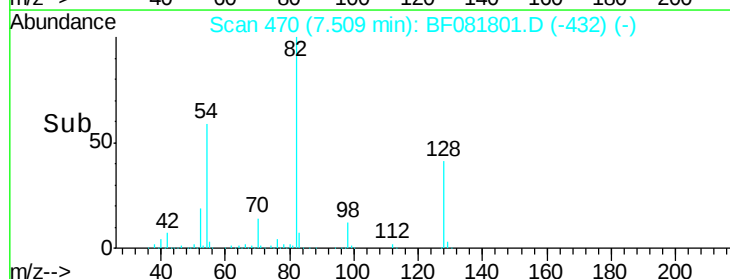
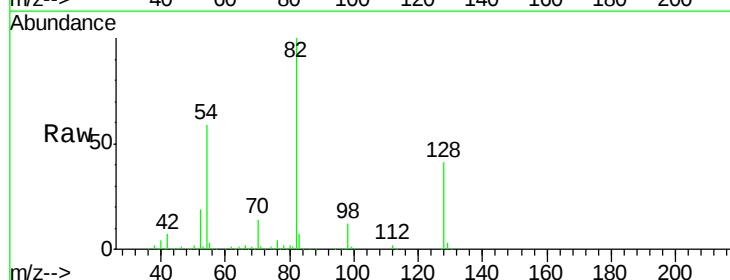
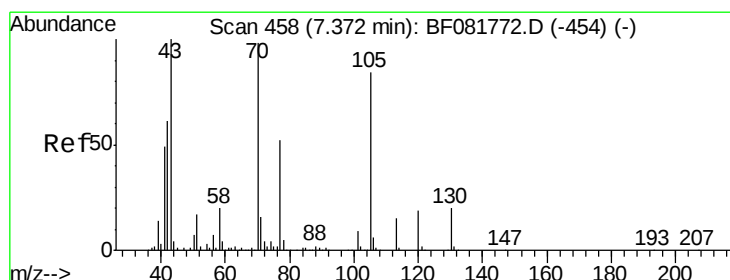
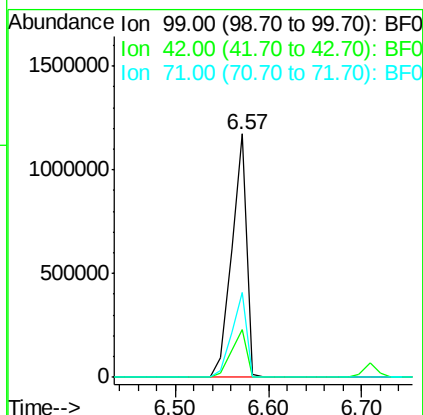
Tgt Ion: 99 Resp: 1311499

Ion Ratio Lower Upper

99 100

42 19.7 13.7 20.5

71 35.1 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 13.42 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Tgt Ion: 70 Resp: 94820

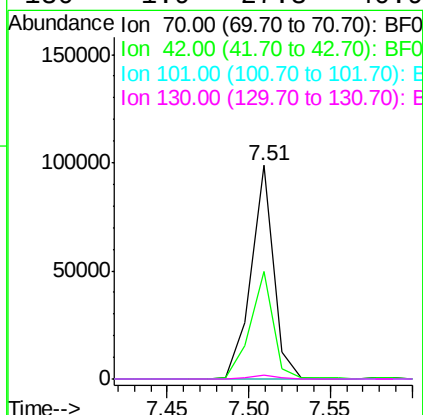
Ion Ratio Lower Upper

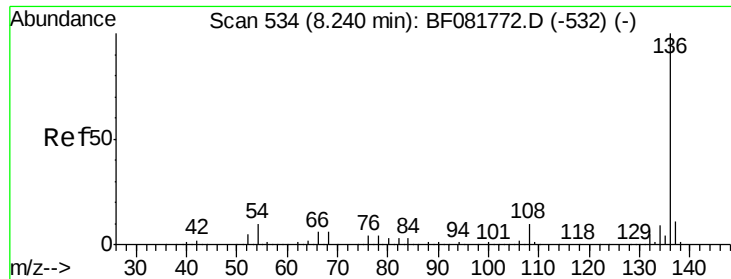
70 100

42 50.4 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

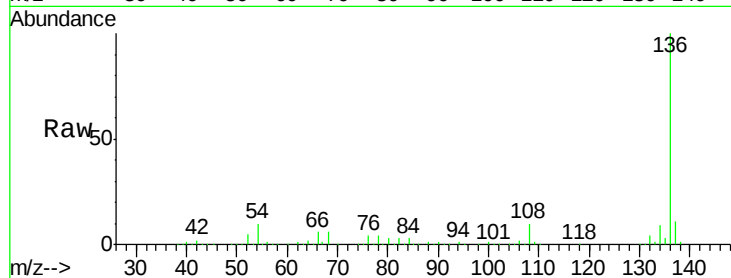




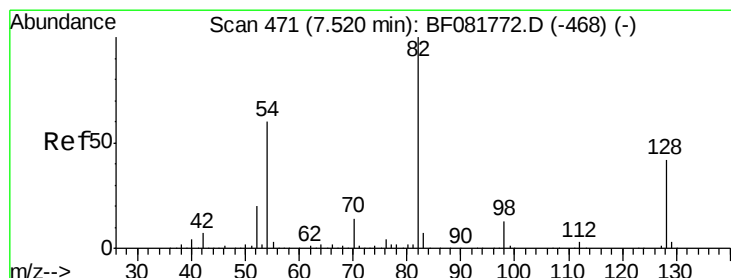
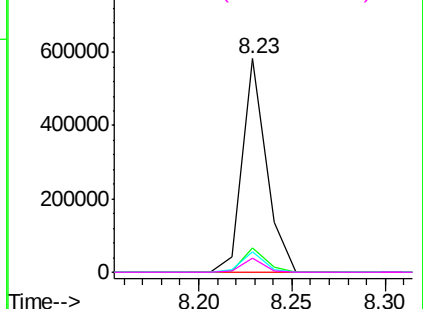
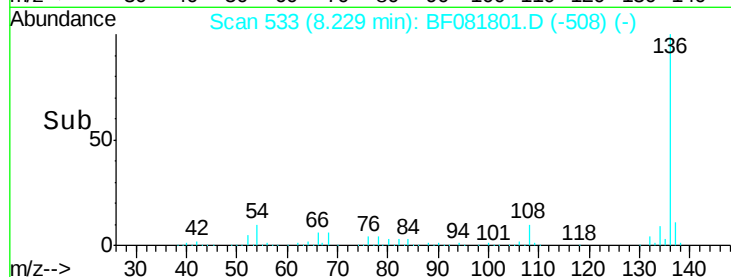
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.23 min Scan# 533  
Delta R.T. -0.01 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

Instrument :  
BNA\_F  
ClientSampleId :  
MGP201-36-38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 522400 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.0   | 13.6   |
| 54       | 9.7   | 8.2   | 12.2   |
| 68       | 6.5   | 5.8   | 8.6    |

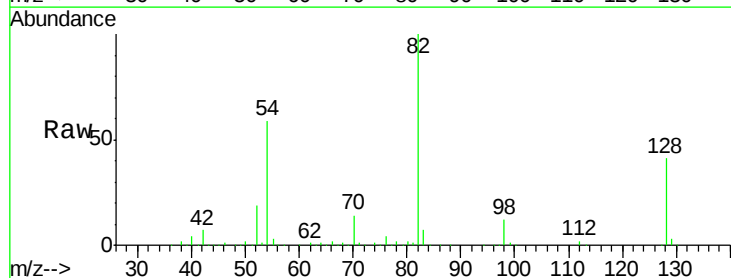


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

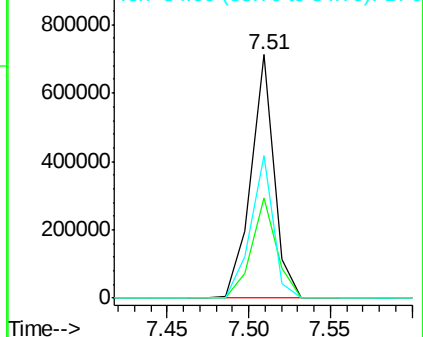
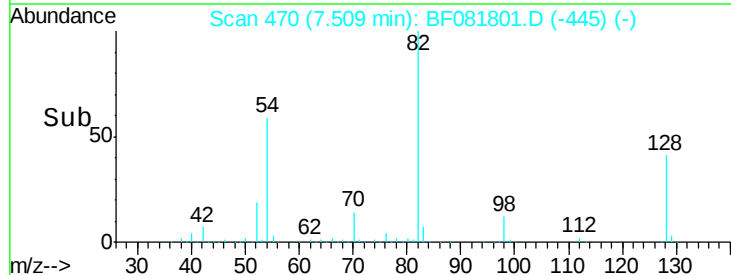


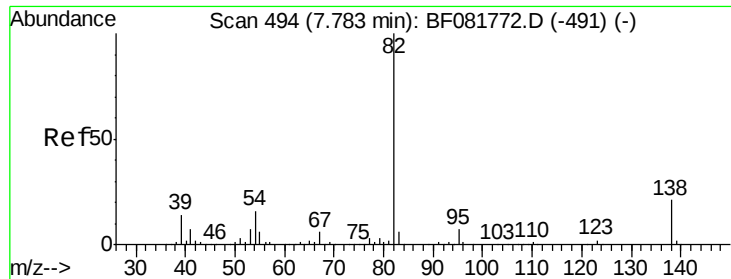
#23  
Nitrobenzene-d5  
Concen: 88.95 ng  
RT: 7.51 min Scan# 470  
Delta R.T. -0.01 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 704307 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.0  | 51.0  | 76.6#  |
| 54       | 58.6  | 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

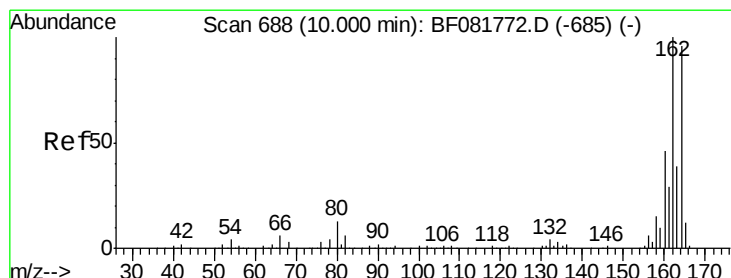
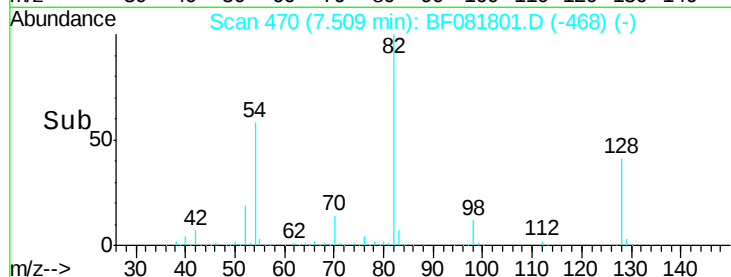
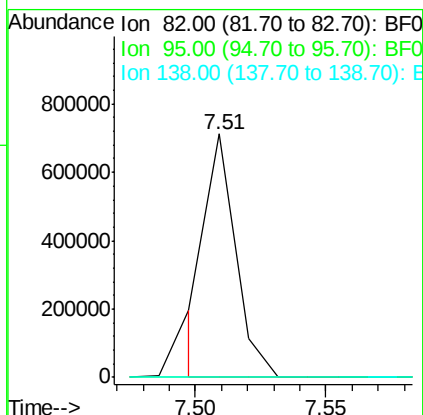
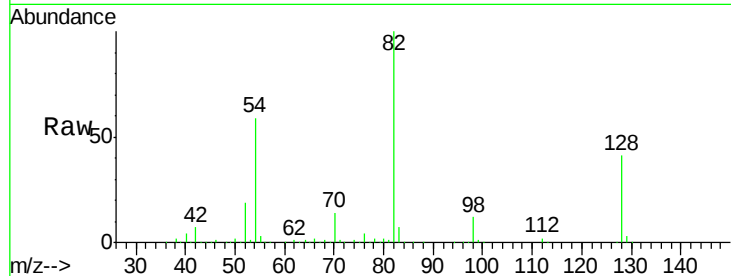




#25  
Isophorone  
Concen: 32.29 ng  
RT: 7.51 min Scan# 470  
Delta R.T. -0.27 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

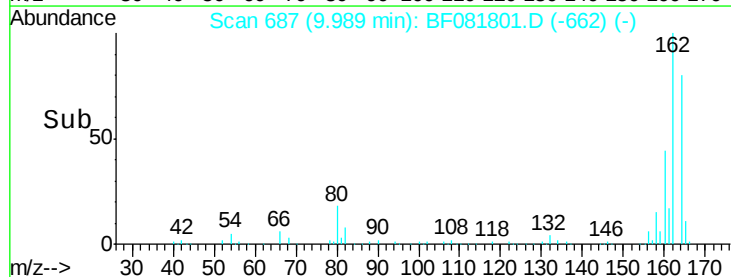
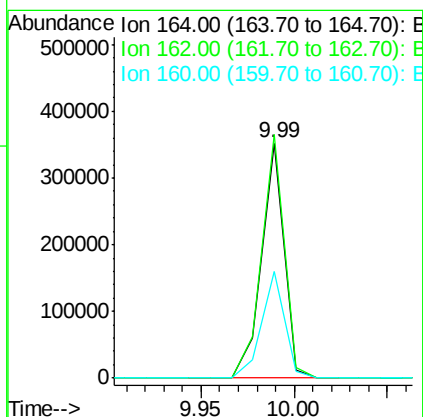
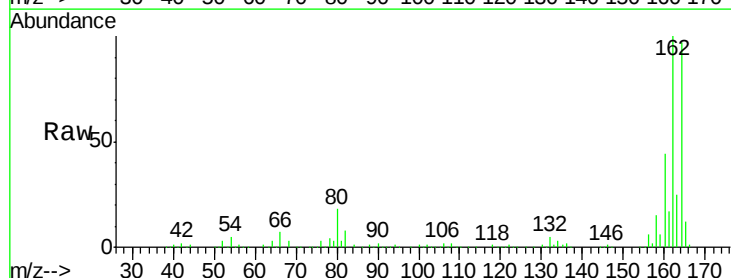
Instrument :  
BNA\_F  
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MGP201-36-38

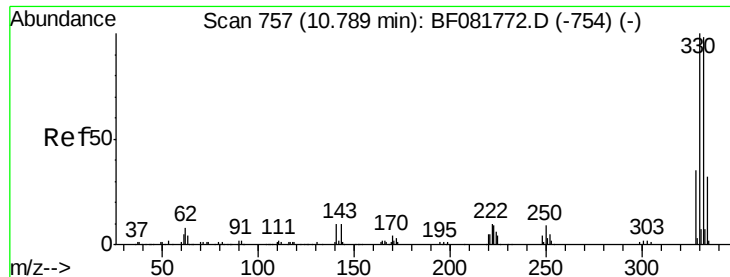
Tgt Ion: 82 Resp: 566450  
Ion Ratio Lower Upper  
82 100  
95 0.0 4.0 6.0#  
138 0.0 18.3 27.5#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.99 min Scan# 687  
Delta R.T. -0.01 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

Tgt Ion: 164 Resp: 291174  
Ion Ratio Lower Upper  
164 100  
162 103.5 75.2 112.8  
160 45.4 31.5 47.3

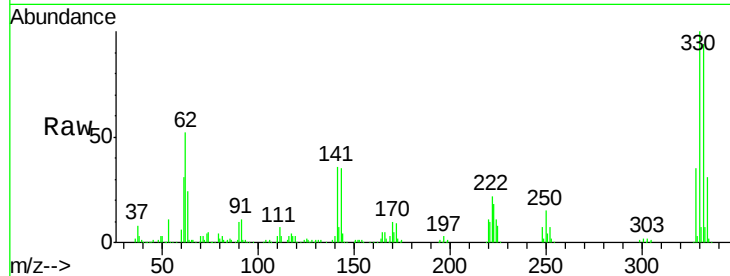




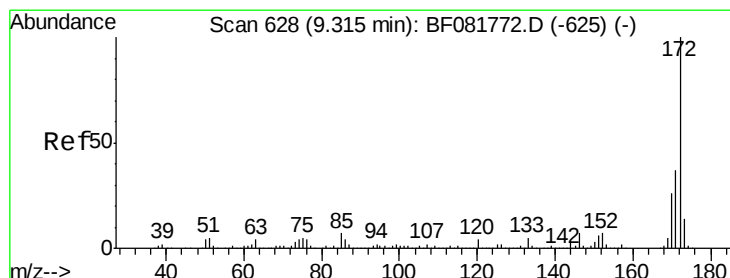
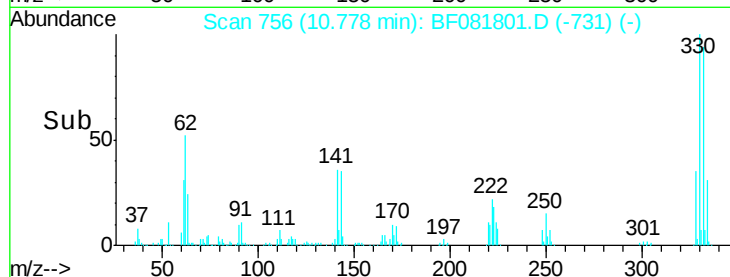
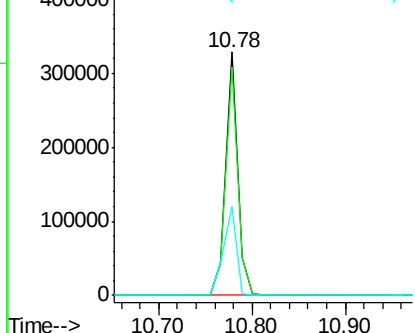
#41  
 2,4,6-Tribromophenol  
 Concen: 116.48 ng  
 RT: 10.78 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF081801.D  
 Acq: 25 Sep 2015 14:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP201-36-38

Tgt Ion:330 Resp: 294443  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 76.6 114.8  
 141 38.9 29.7 44.5

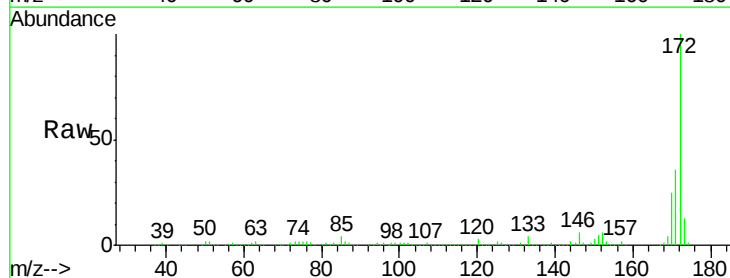


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

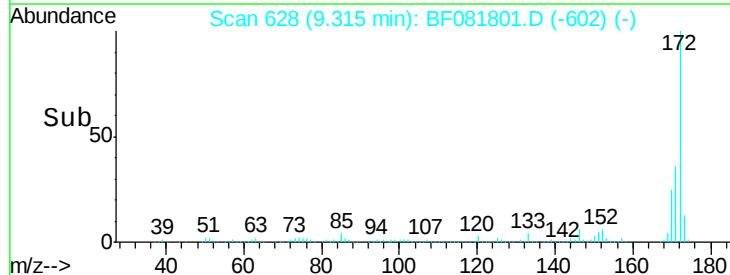
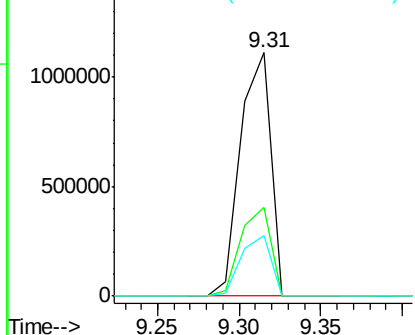


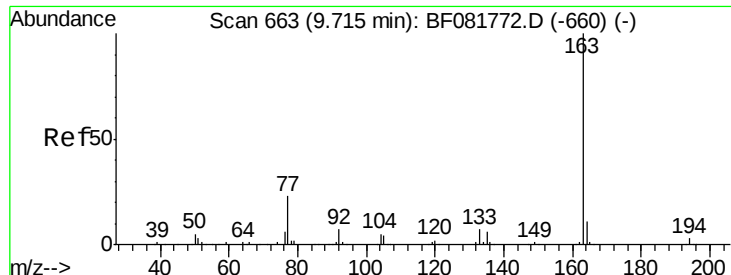
#44  
 2-Fluorobiphenyl  
 Concen: 80.12 ng  
 RT: 9.31 min Scan# 628  
 Delta R.T. 0.00 min  
 Lab File: BF081801.D  
 Acq: 25 Sep 2015 14:11

Tgt Ion:172 Resp: 1421169  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 26.1 39.1  
 170 24.9 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

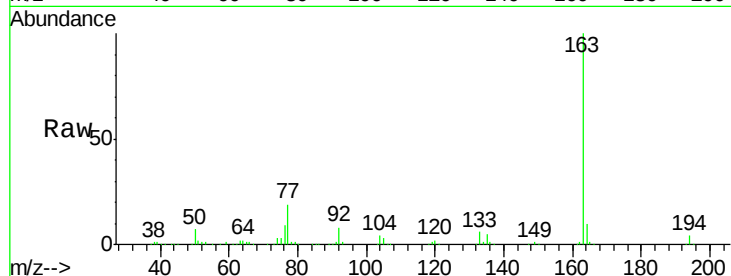




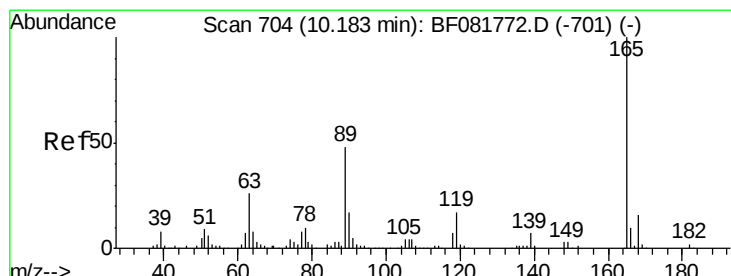
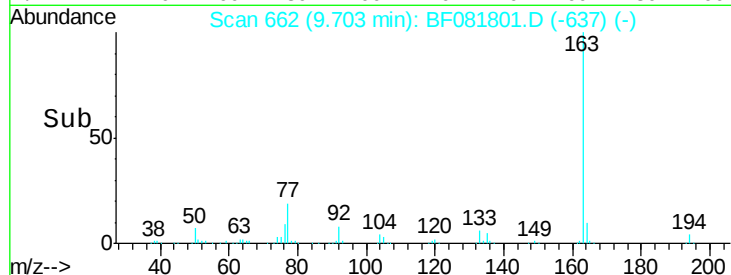
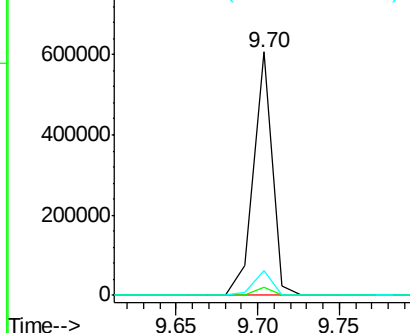
#49  
Dimethylphthalate  
Concen: 21.80 ng  
RT: 9.70 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

Instrument :  
BNA\_F  
ClientSampleId :  
MGP201-36-38

Tgt Ion:163 Resp: 483059  
Ion Ratio Lower Upper  
163 100  
194 3.6 4.4 6.6#  
164 10.2 8.3 12.5

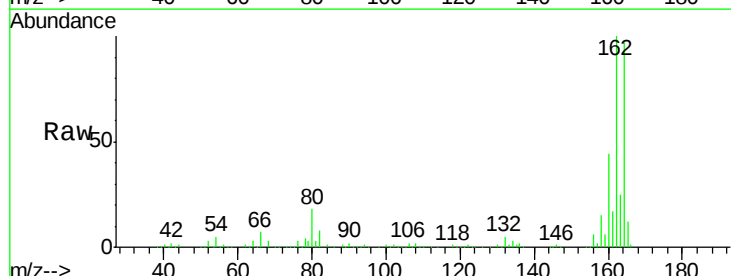


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

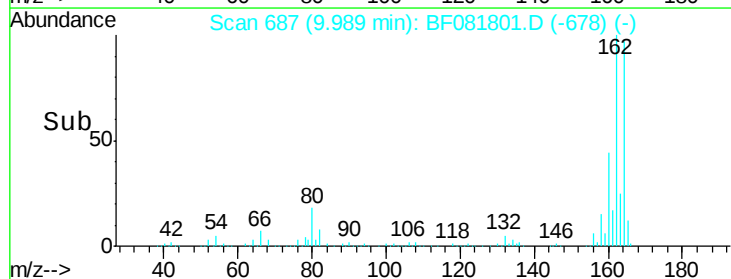
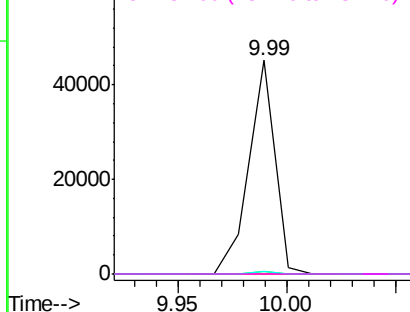


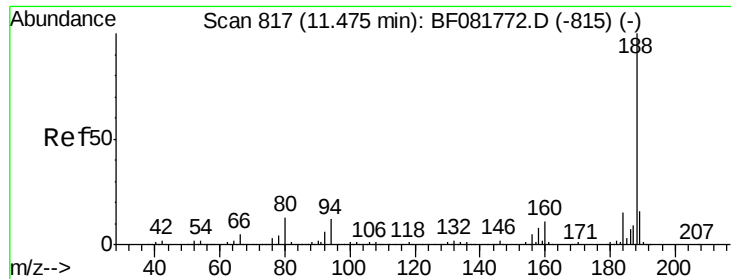
#56  
2,4-Dinitrotoluene  
Concen: 7.35 ng  
RT: 9.99 min Scan# 687  
Delta R.T. -0.19 min  
Lab File: BF081801.D  
Acq: 25 Sep 2015 14:11

Tgt Ion:165 Resp: 37626  
Ion Ratio Lower Upper  
165 100  
63 1.4 29.8 44.6#  
89 1.3 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: 11.48 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Instrument :

BNA\_F

ClientSampleId :

MGP201-36-38

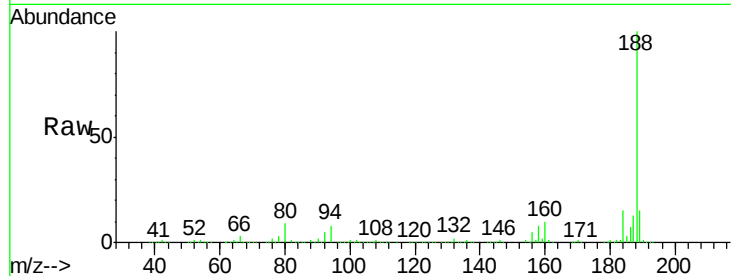
Tgt Ion:188 Resp: 548253

Ion Ratio Lower Upper

188 100

94 8.3 11.1 16.7#

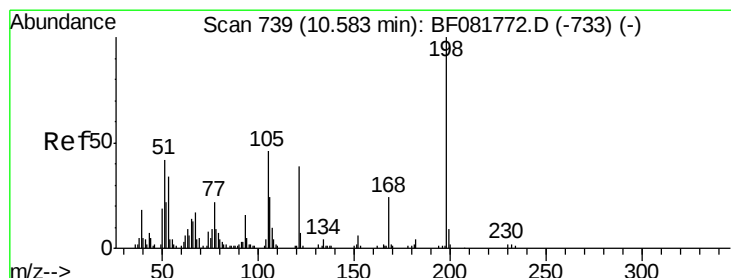
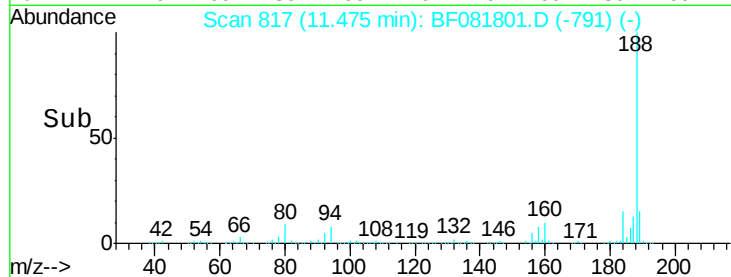
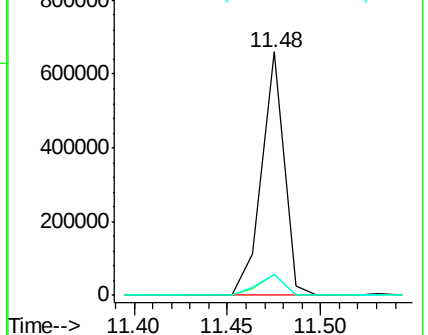
80 8.5 11.0 16.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.56 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

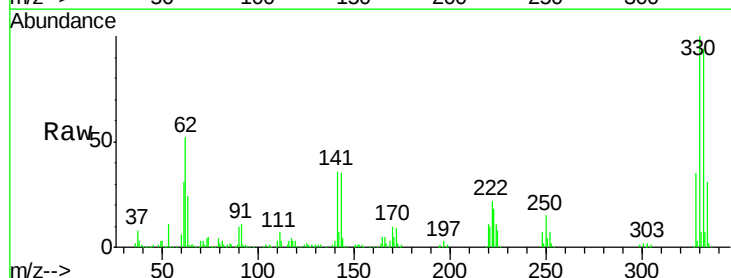
Tgt Ion:198 Resp: 901

Ion Ratio Lower Upper

198 100

51 164.0 39.6 79.6#

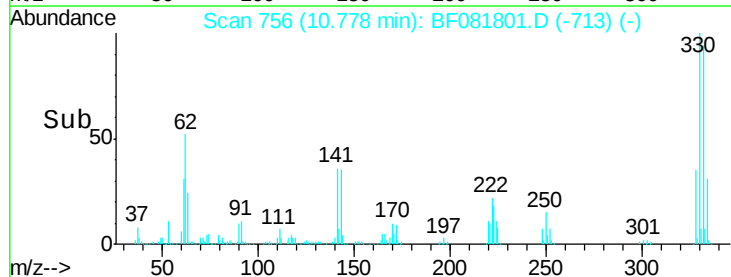
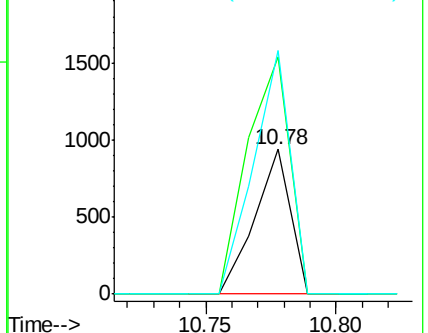
105 168.2 28.5 68.5#

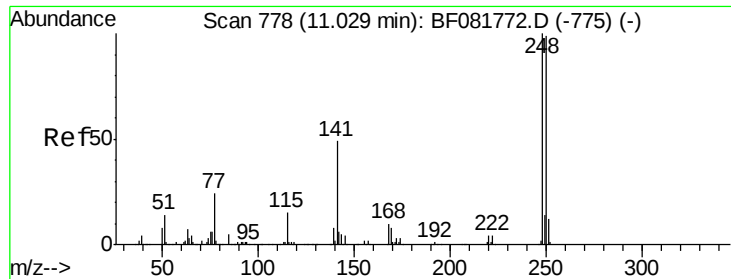


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.37 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Instrument :

BNA\_F

ClientSampleId :

MGP201-36-38

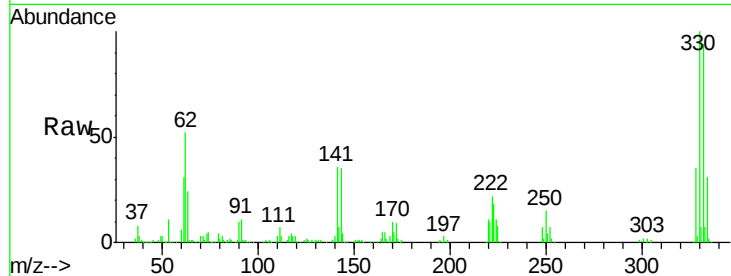
Tgt Ion:248 Resp: 20558

Ion Ratio Lower Upper

248 100

250 204.8 78.5 117.7#

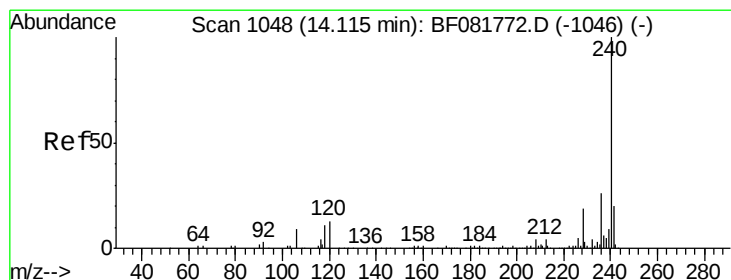
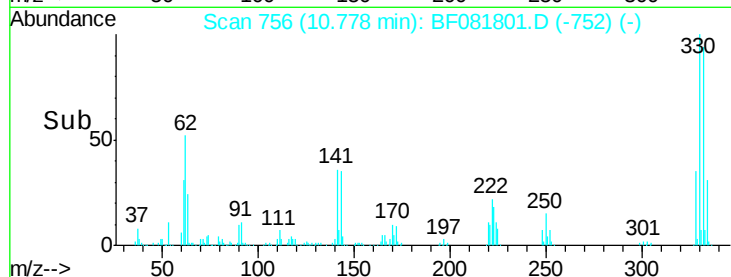
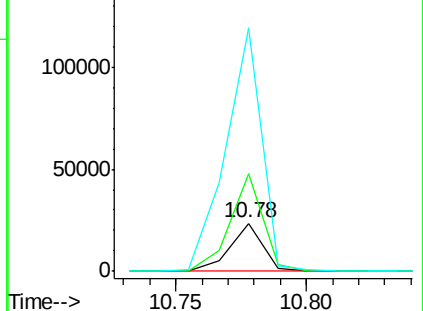
141 508.6 59.0 88.6#



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: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

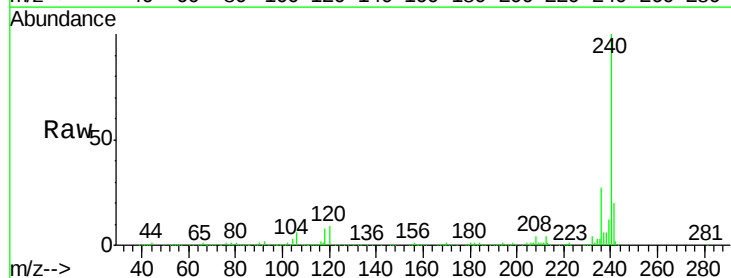
Tgt Ion:240 Resp: 513541

Ion Ratio Lower Upper

240 100

120 8.7 16.2 24.2#

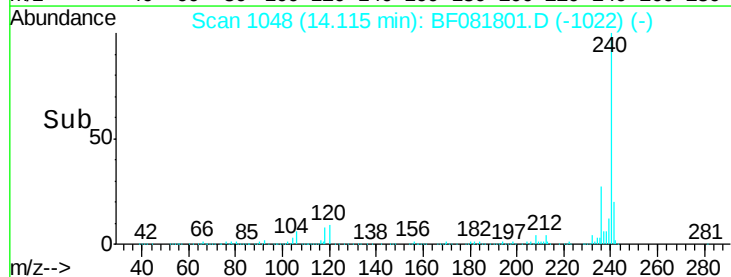
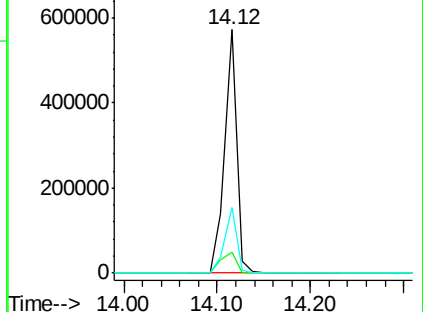
236 26.9 18.4 27.6

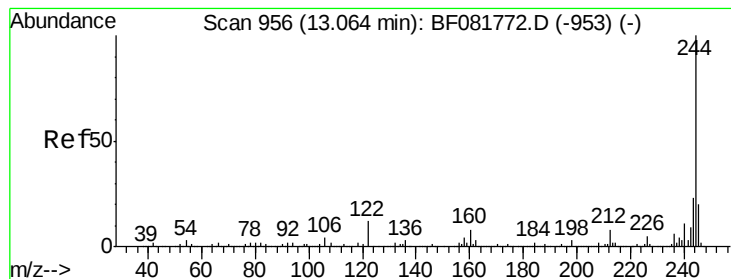


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.41 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

Instrument :

BNA\_F

ClientSampleId :

MGP201-36-38

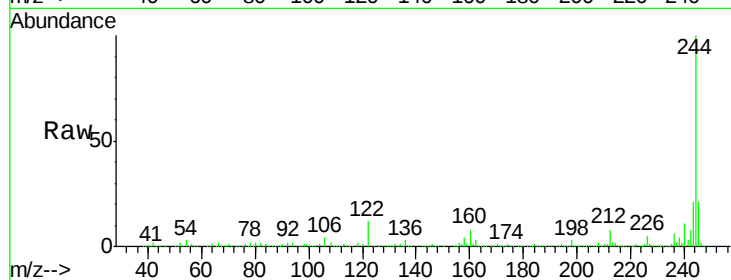
Tgt Ion:244 Resp: 1380585

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

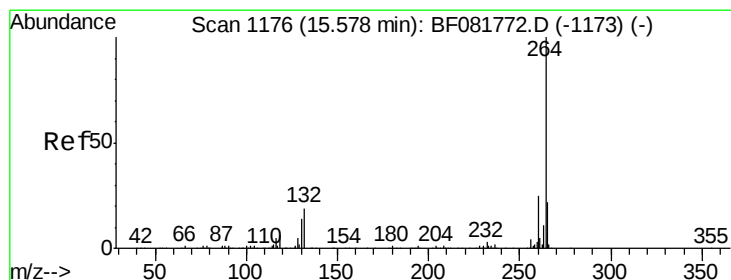
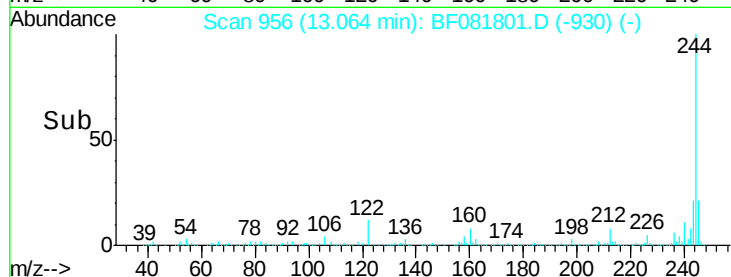
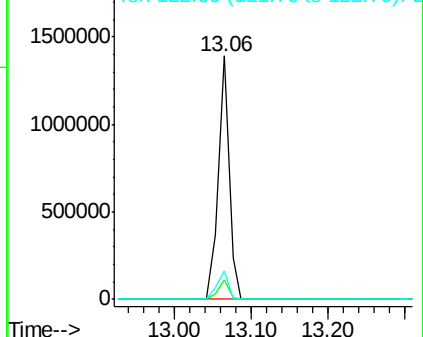
122 11.6 17.4 26.2#



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: 15.58 min Scan# 1176

Delta R.T. 0.00 min

Lab File: BF081801.D

Acq: 25 Sep 2015 14:11

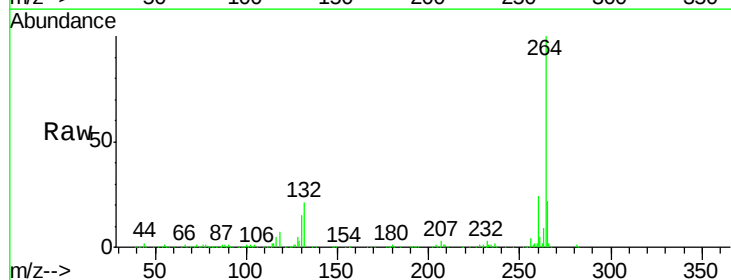
Tgt Ion:264 Resp: 376884

Ion Ratio Lower Upper

264 100

260 23.7 16.7 25.1

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

