

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\  
 Data File : BF081059.D  
 Acq On : 19 Aug 2015 00:05  
 Operator : UM/IZ  
 Sample : G3289-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 19 00:41:50 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 17:57:25 2015  
 Response via : Initial Calibration

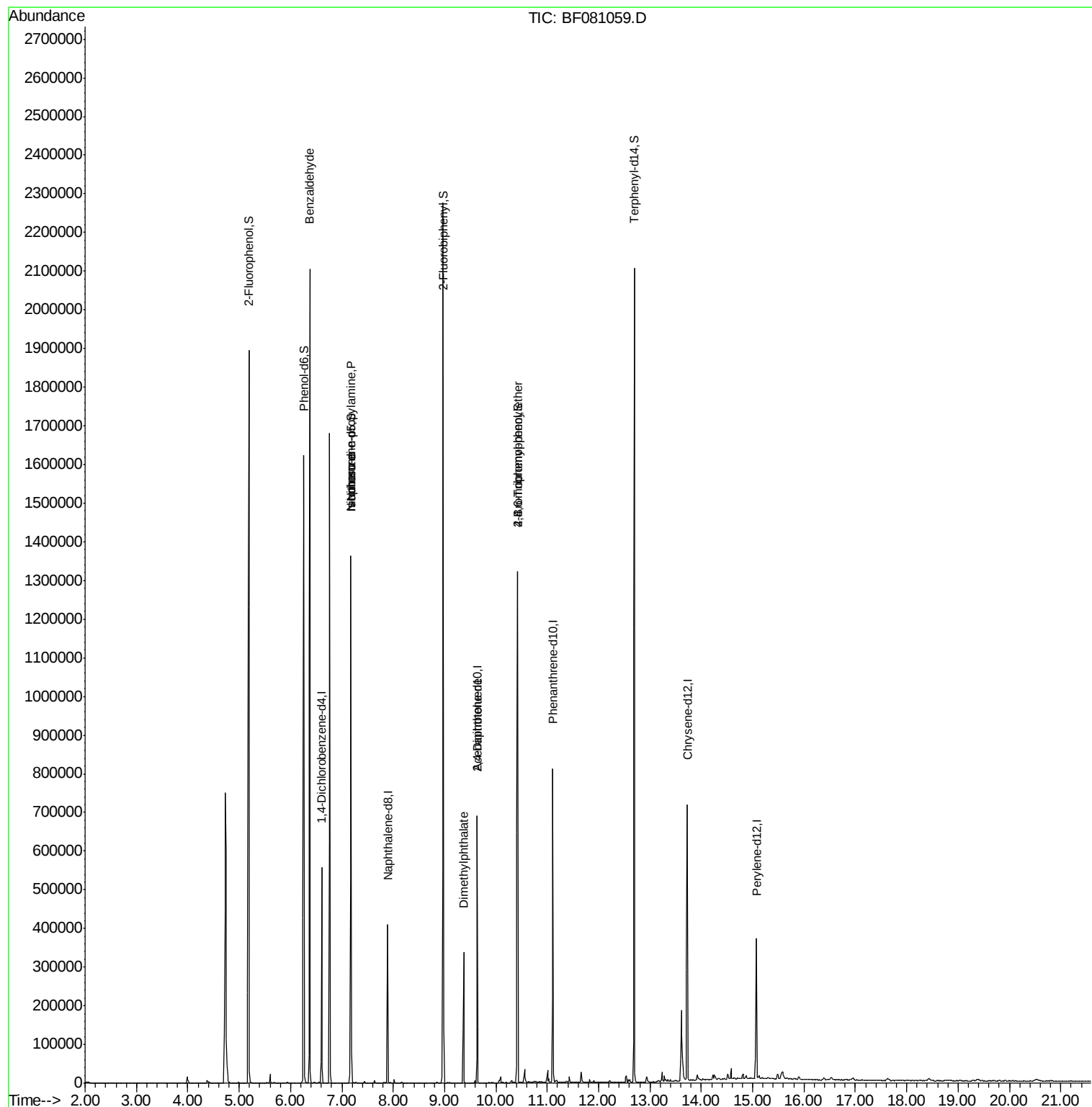
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.60  | 152  | 70988    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.90  | 136  | 267221   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.63  | 164  | 127426   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.11 | 188  | 286489   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.73 | 240  | 257099   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.07 | 264  | 199648   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.19  | 112  | 584132   | 123.77 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.26  | 99   | 836265   | 135.80 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.18  | 82   | 452843   | 77.41  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.42 | 330  | 127821   | 115.72 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 8.97  | 172  | 647047   | 66.53  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.70 | 244  | 734412   | 61.24  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.38  | 77   | 15335    | 3.86   | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 61968    | 14.53  | ng    | # 70     |
| 25) Isophorone                 | 7.18  | 82   | 329599   | 30.21  | ng    | # 71     |
| 49) Dimethylphthalate          | 9.37  | 163  | 147930   | 14.10  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.63  | 165  | 16107    | 5.39   | ng    | # 18     |
| 66) 4-Bromophenyl-phenylether  | 10.42 | 248  | 10736    | 3.81   | ng    | # 1      |

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

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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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Quant Time: Aug 19 00:41:50 2015  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 17 17:57:25 2015  
Response via : Initial Calibration



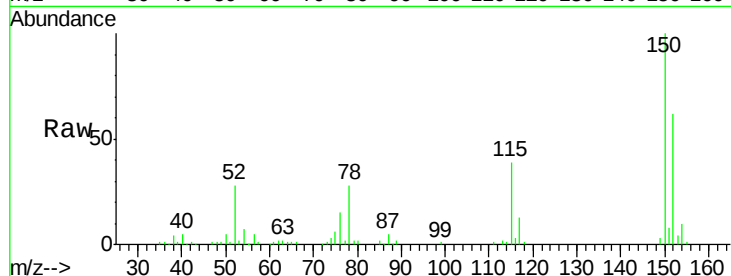


#1

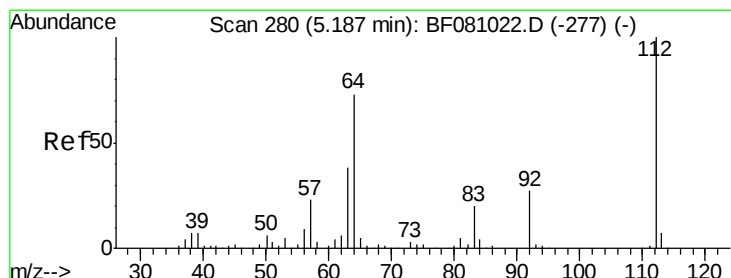
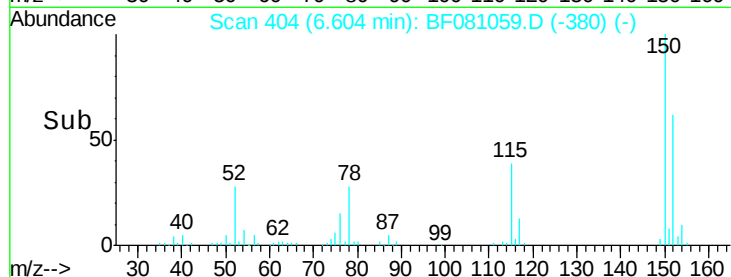
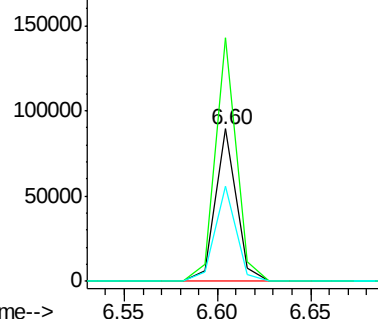
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.60 min Scan# 404  
Delta R.T. -0.02 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 70988  
Ion Ratio Lower Upper  
152 100  
150 160.1 123.8 185.6  
115 62.8 52.1 78.1



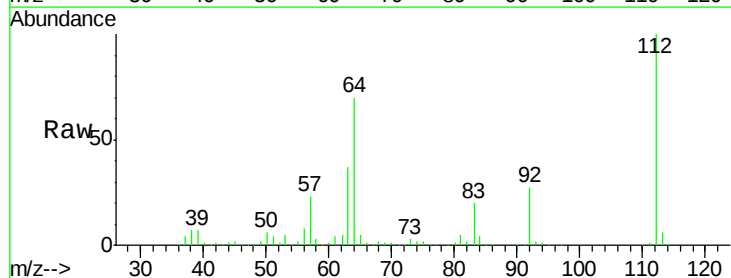
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



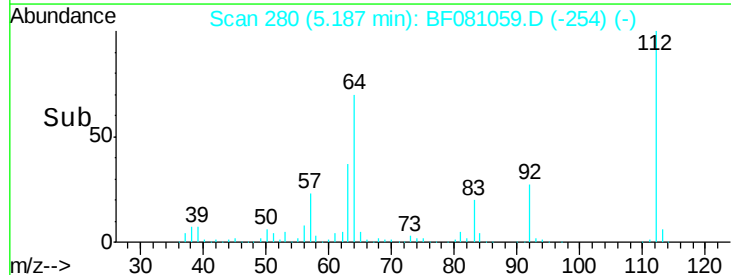
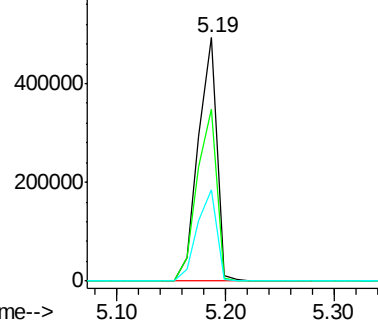
#5

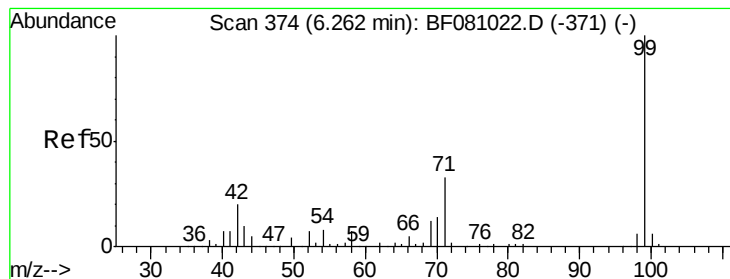
2-Fluorophenol  
Concen: 123.77 ng  
RT: 5.19 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

Tgt Ion:112 Resp: 584132  
Ion Ratio Lower Upper  
112 100  
64 70.4 66.9 100.3  
63 37.4 38.1 57.1#



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: 135.80 ng

RT: 6.26 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF081059.D

Acq: 19 Aug 2015 00:05

Instrument :

BNA\_F

ClientSampleId :

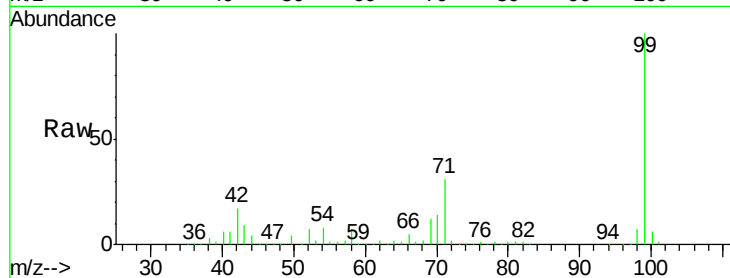
Tot Ion: 99 Resp: 836265

Ion Ratio Lower Upper

99 100

42 17.0 19.6 29.4#

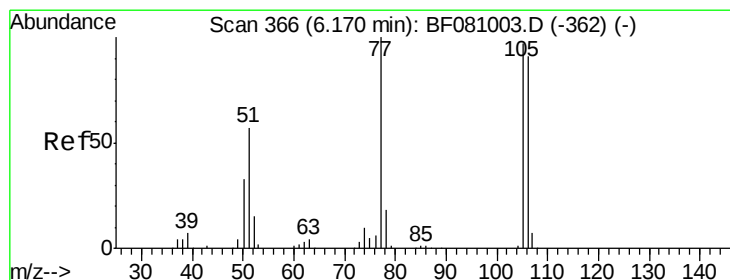
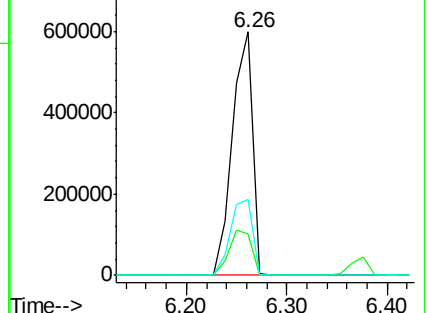
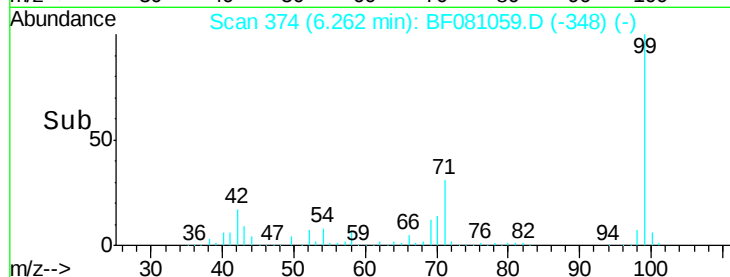
71 31.3 31.2 46.8



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



#9

Benzaldehyde

Concen: 3.86 ng

RT: 6.38 min Scan# 384

Delta R.T. 0.22 min

Lab File: BF081059.D

Acq: 19 Aug 2015 00:05

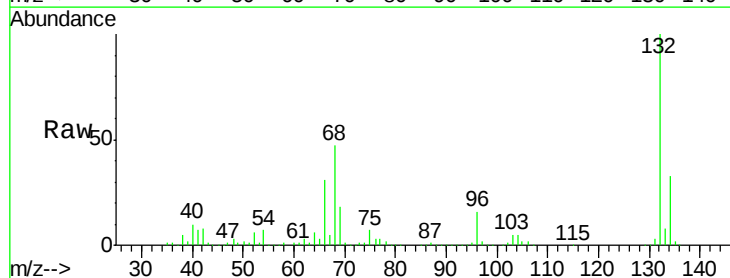
Tgt Ion: 77 Resp: 15335

Ion Ratio Lower Upper

77 100

105 75.0 69.6 109.6

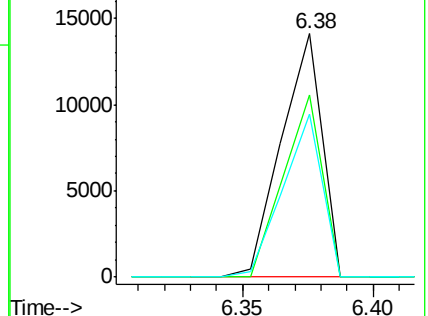
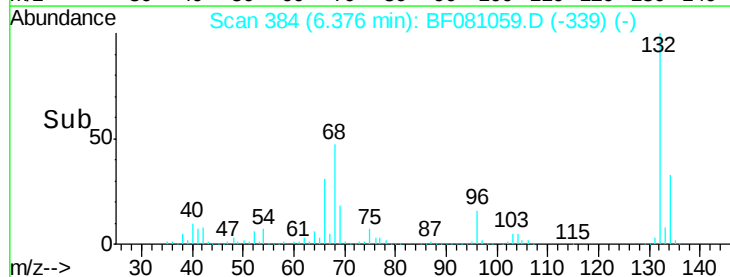
106 66.9 64.0 104.0

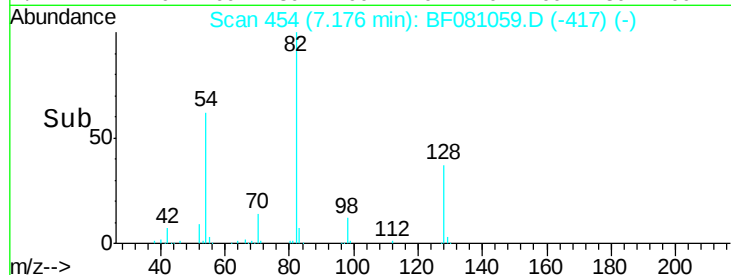
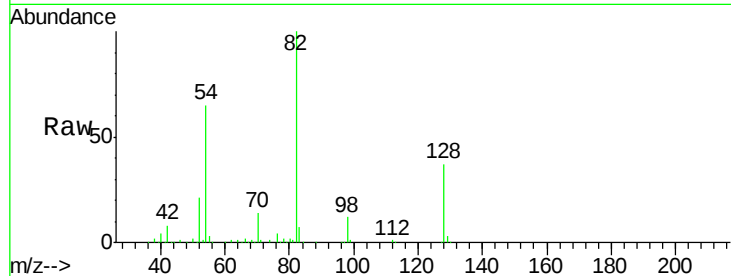
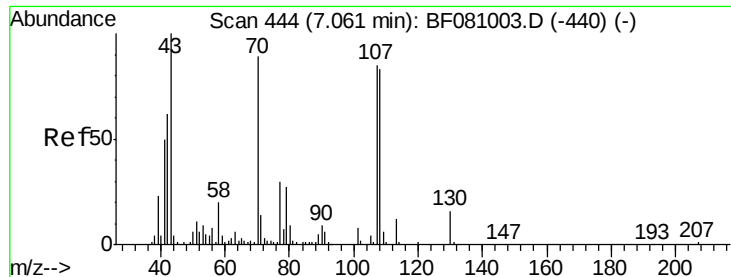


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

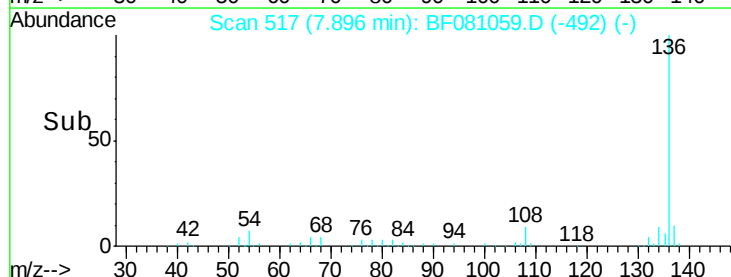
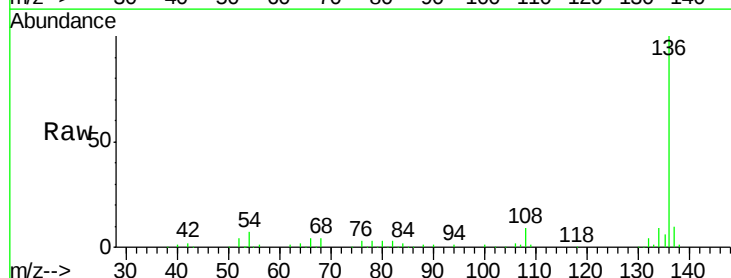
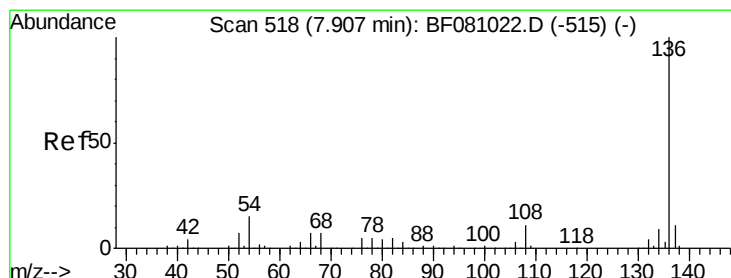
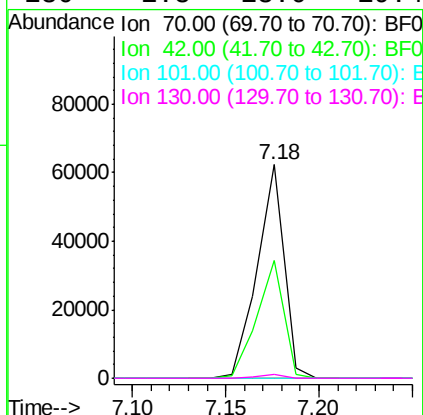




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.53 ng  
RT: 7.18 min Scan# 454  
Delta R.T. 0.13 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

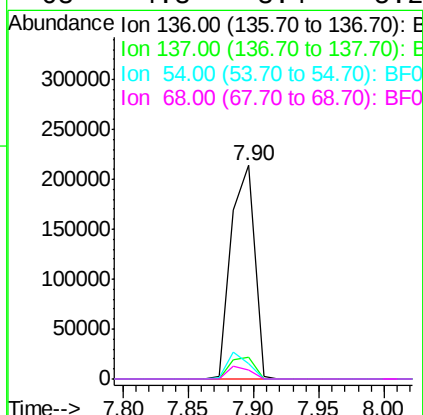
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 61968  
Ion Ratio Lower Upper  
70 100  
42 55.0 65.0 97.4#  
101 0.0 7.4 11.2#  
130 1.8 13.0 19.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.90 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

Tgt Ion: 136 Resp: 267221  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.2 12.2  
54 7.3 7.7 11.5#  
68 4.3 3.4 5.2

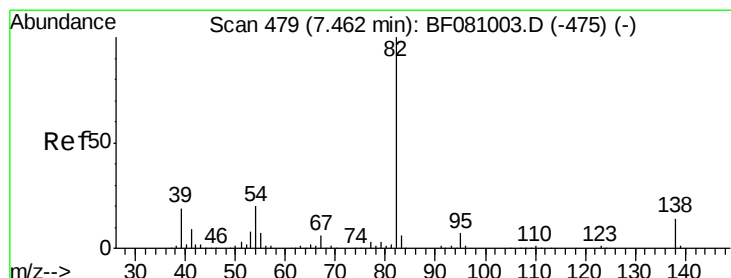
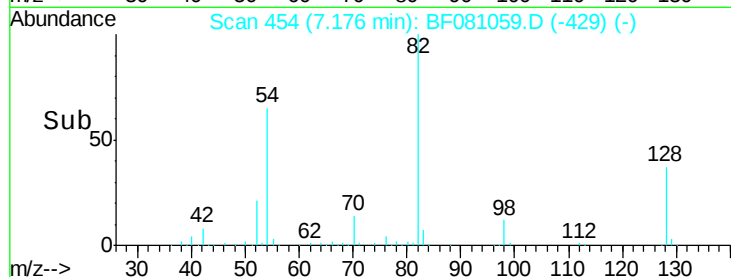
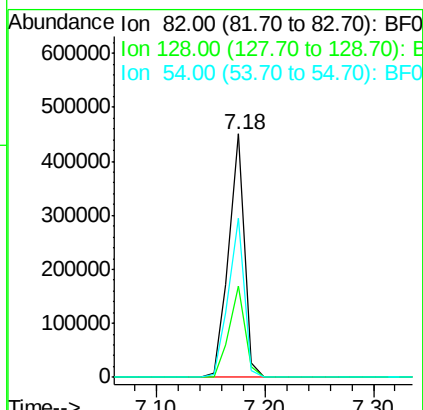
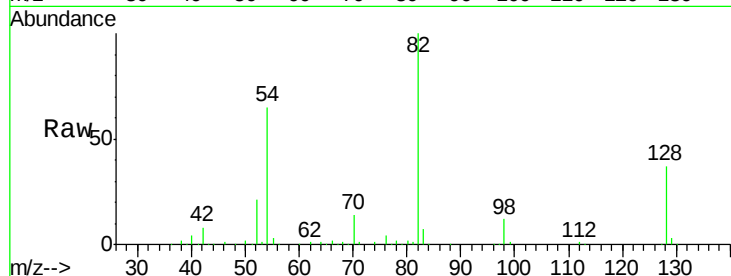




#23  
 Nitrobenzene-d5  
 Concen: 77.41 ng  
 RT: 7.18 min Scan# 454  
 Delta R.T. -0.01 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

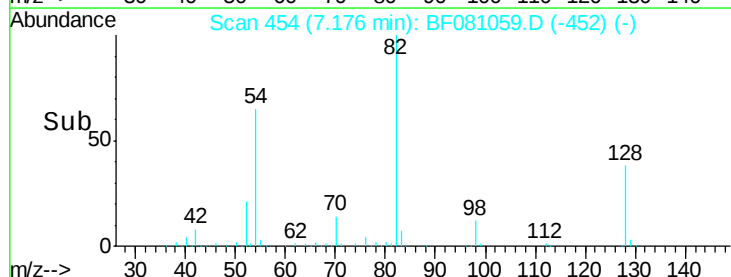
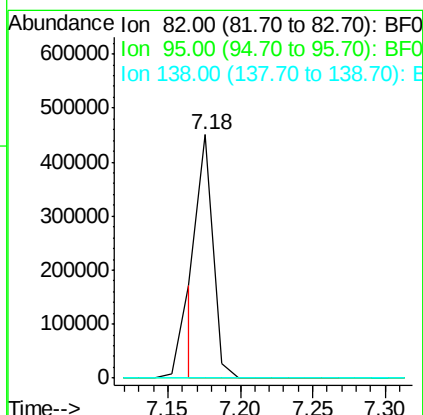
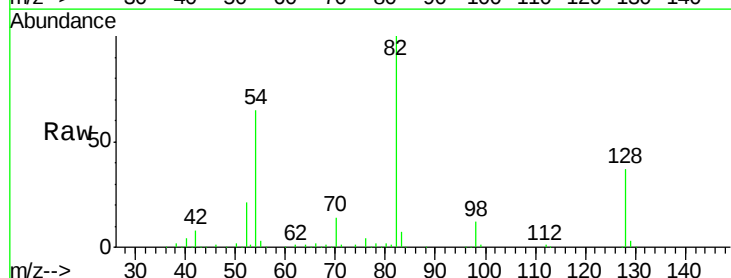
Instrument :  
 BNA\_F  
 ClientSampled :

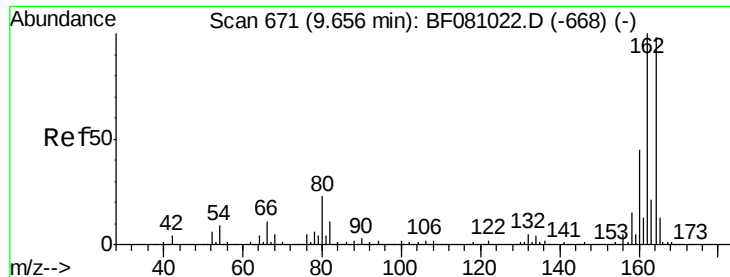
| Tot Ion   | 82   | Resp  | 452843 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 37.5 | 28.6  | 42.8   |
| 54        | 65.1 | 55.1  | 82.7   |



#25  
 Isophorone  
 Concen: 30.21 ng  
 RT: 7.18 min Scan# 454  
 Delta R.T. -0.27 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

| Tgt Ion   | 82  | Resp  | 329599 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 6.2   | 9.2#   |
| 138       | 0.0 | 10.5  | 15.7#  |

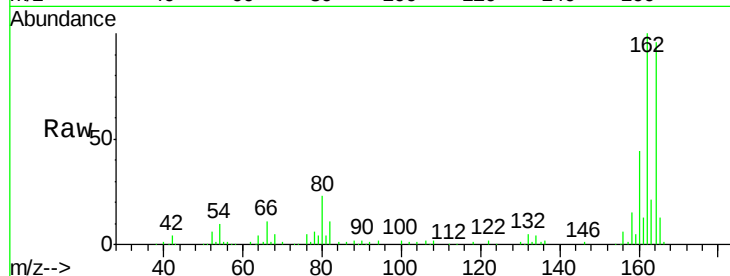




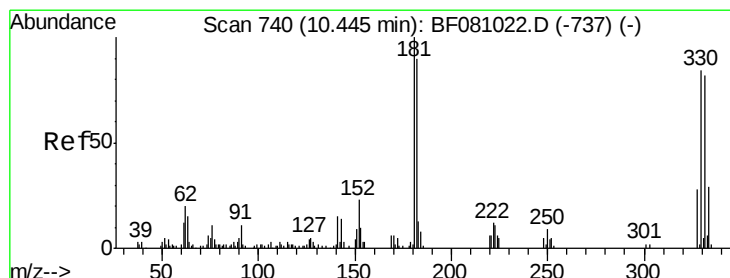
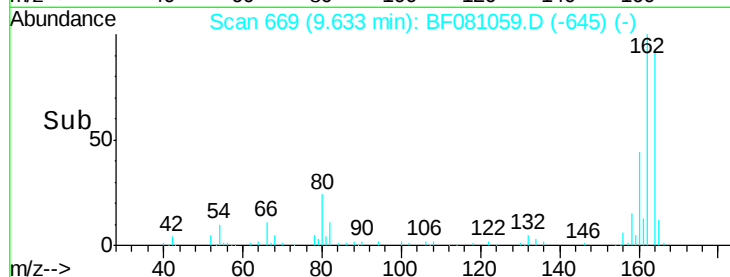
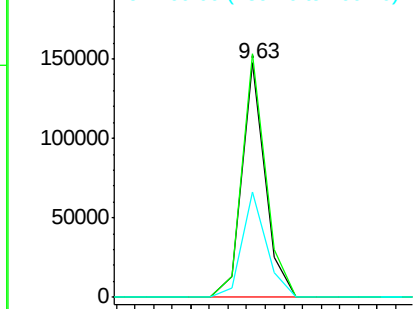
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.63 min Scan# 669  
 Delta R.T. -0.02 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 127426  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 83.8 125.8  
 160 45.2 39.8 59.8

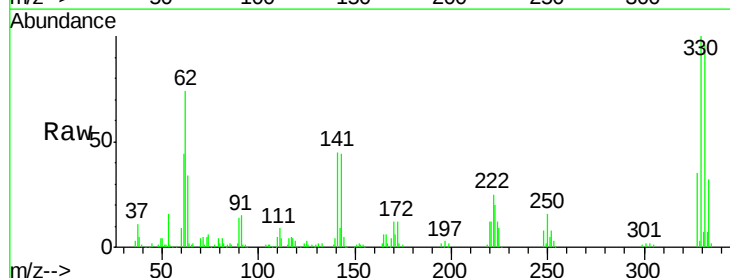


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

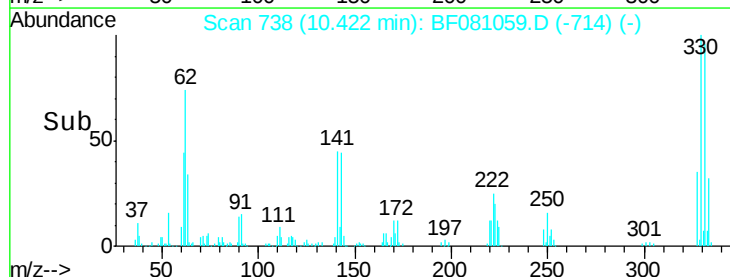
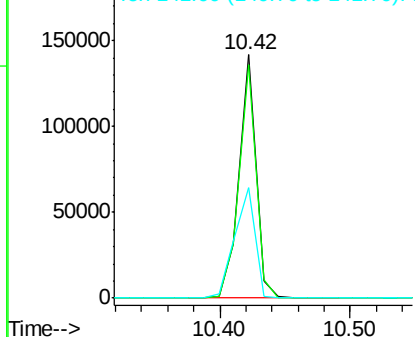


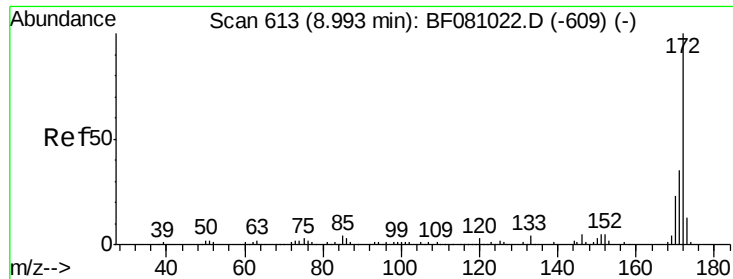
#41  
 2,4,6-Tribromophenol  
 Concen: 115.72 ng  
 RT: 10.42 min Scan# 738  
 Delta R.T. -0.02 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

Tgt Ion:330 Resp: 127821  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.3 115.9  
 141 54.0 44.9 67.3



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

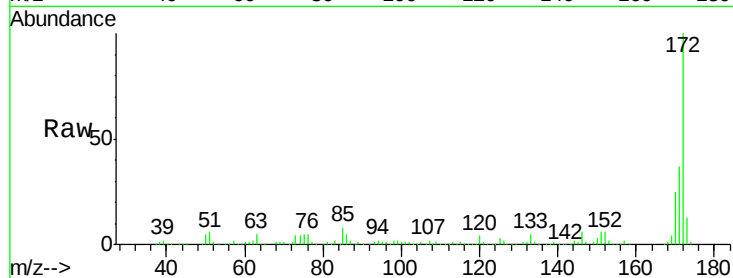




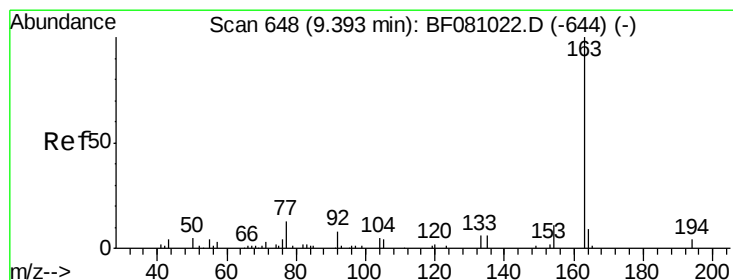
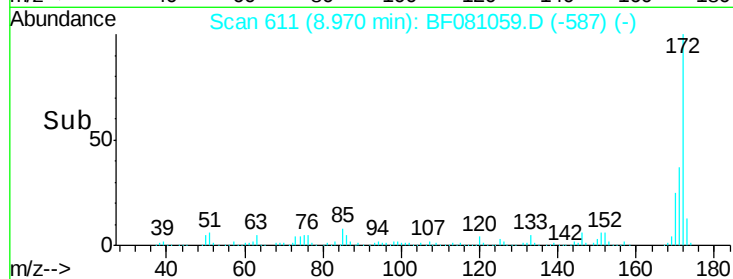
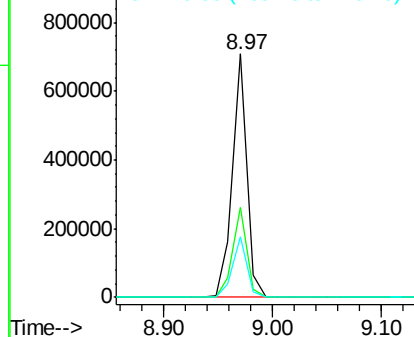
#44  
2-Fluorobiphenyl  
Concen: 66.53 ng  
RT: 8.97 min Scan# 611  
Delta R.T. -0.02 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 647047  
Ion Ratio Lower Upper  
172 100  
171 36.9 28.9 43.3  
170 24.9 19.4 29.2

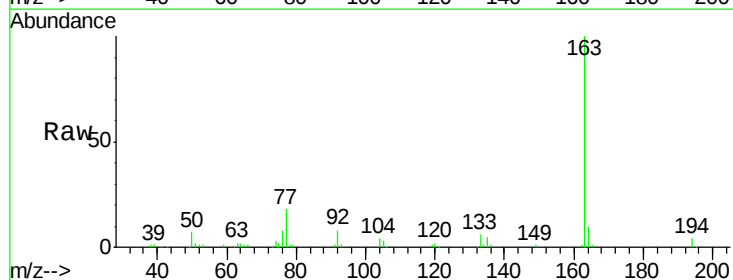


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

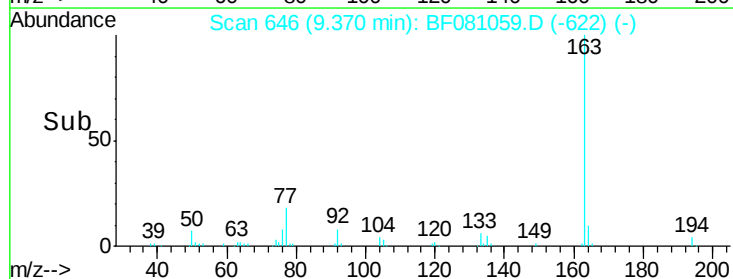
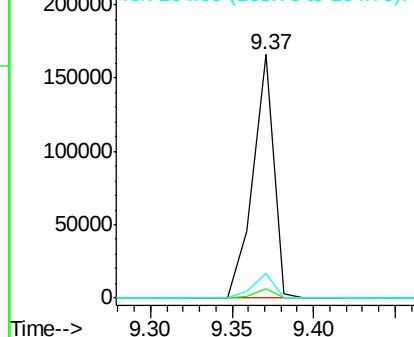


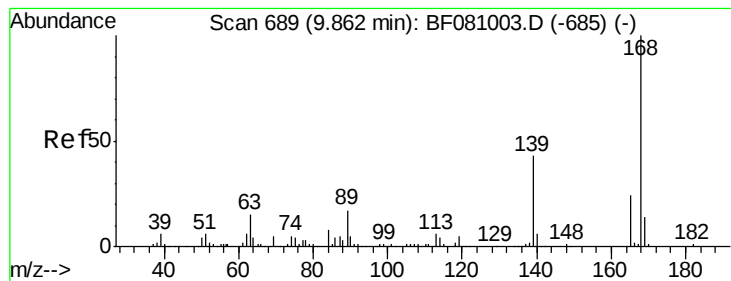
#49  
Dimethylphthalate  
Concen: 14.10 ng  
RT: 9.37 min Scan# 646  
Delta R.T. -0.02 min  
Lab File: BF081059.D  
Acq: 19 Aug 2015 00:05

Tgt Ion:163 Resp: 147930  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.5 3.7  
164 9.9 8.1 12.1



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

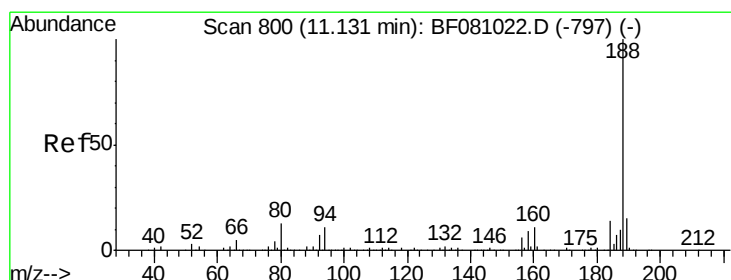
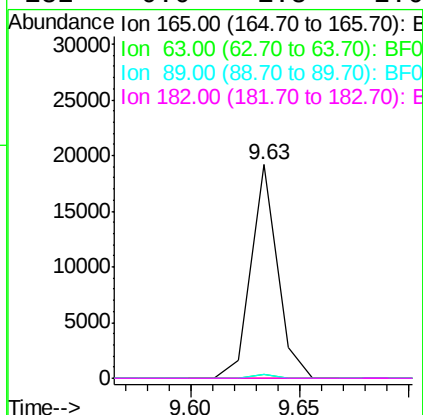
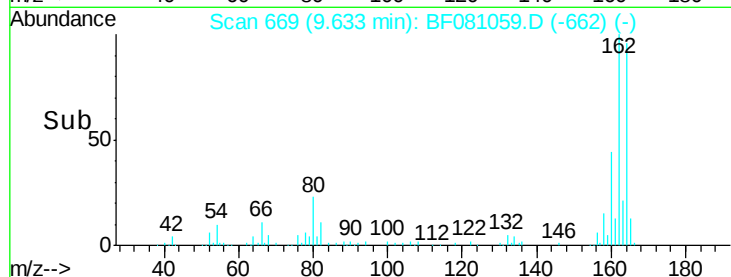
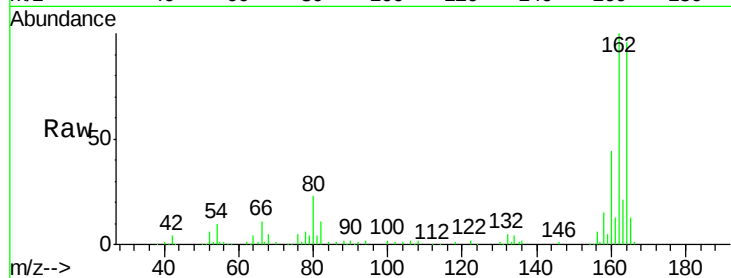




#56  
 2,4-Dinitrotoluene  
 Concen: 5.39 ng  
 RT: 9.63 min Scan# 669  
 Delta R.T. -0.22 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

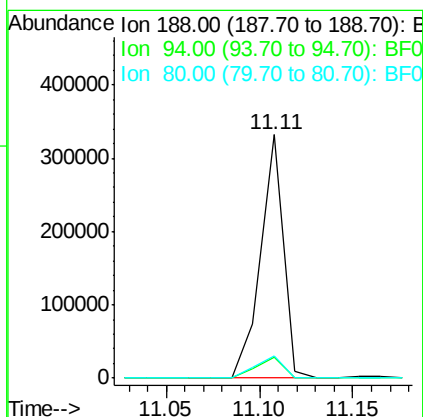
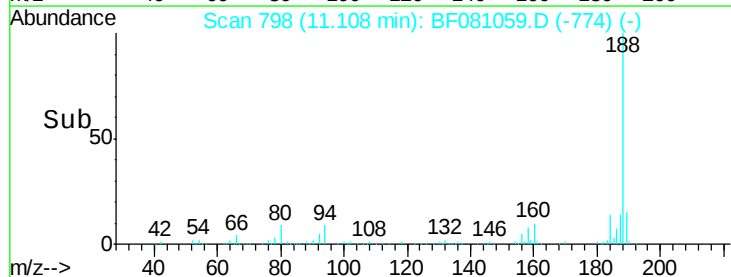
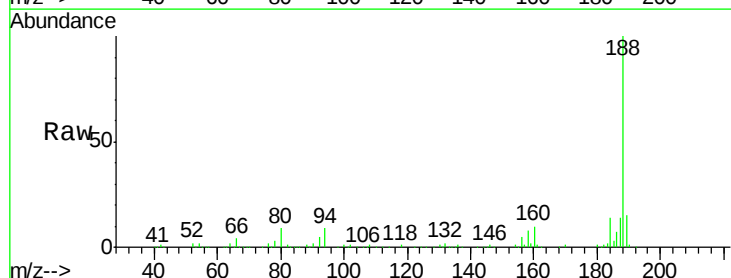
Instrument :  
 BNA\_F  
 ClientSampleId :

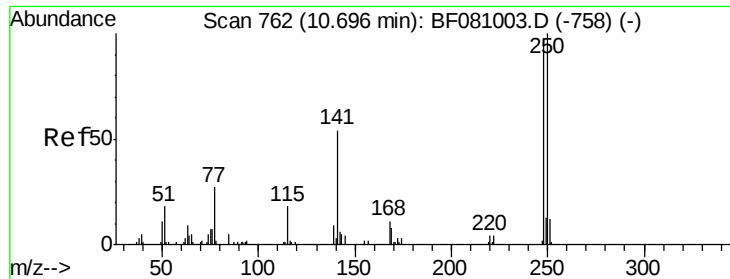
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.9   | 52.2  | 78.4# |
| 89      | 2.0   | 60.1  | 90.1# |
| 182     | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.11 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 8.2   | 12.2  |
| 80      | 9.1   | 9.5   | 14.3# |





#66

4-Bromophenyl-phenylether

Concen: 3.81 ng

RT: 10.42 min Scan# 738

Delta R.T. -0.26 min

Lab File: BF081059.D

Acq: 19 Aug 2015 00:05

Instrument :

BNA\_F

ClientSampleId :

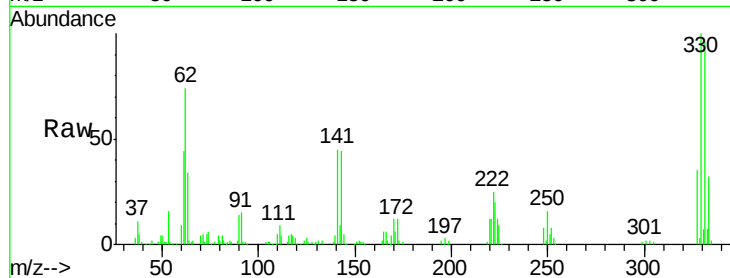
Tot Ion:248 Resp: 10736

Ion Ratio Lower Upper

248 100

250 190.7 77.8 116.6#

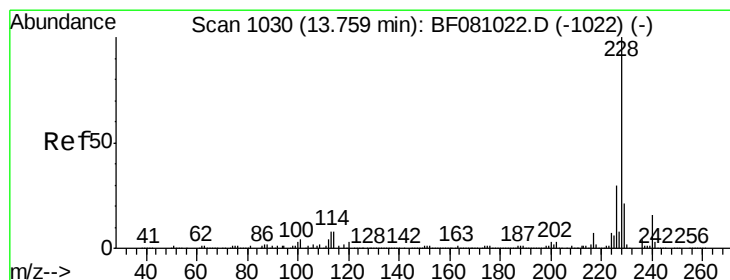
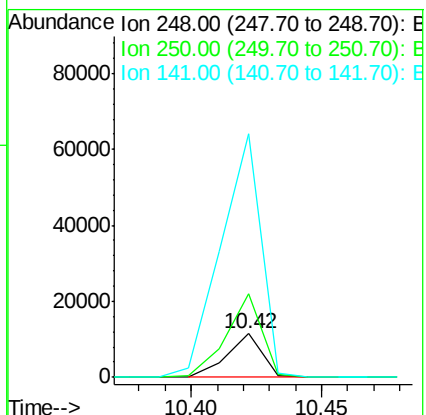
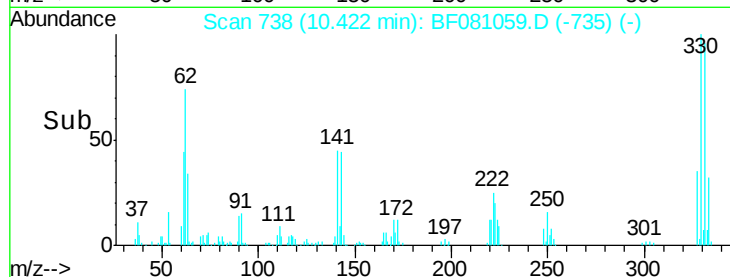
141 554.7 39.8 59.6#



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: 13.73 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF081059.D

Acq: 19 Aug 2015 00:05

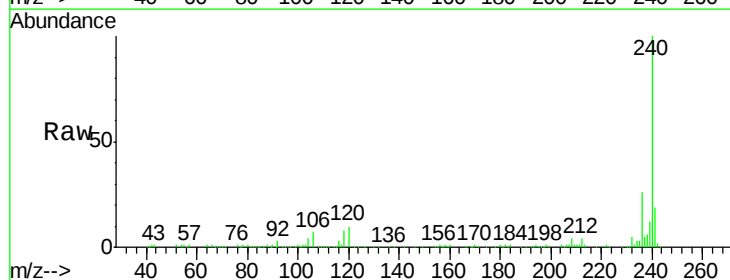
Tgt Ion:240 Resp: 257099

Ion Ratio Lower Upper

240 100

120 9.6 5.6 8.4#

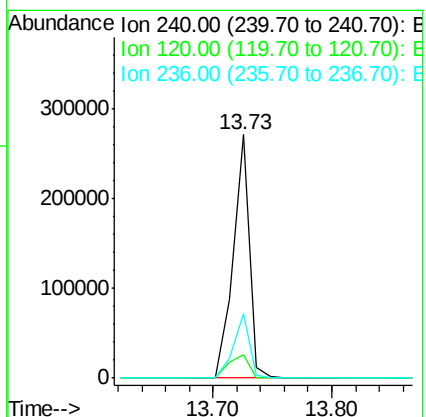
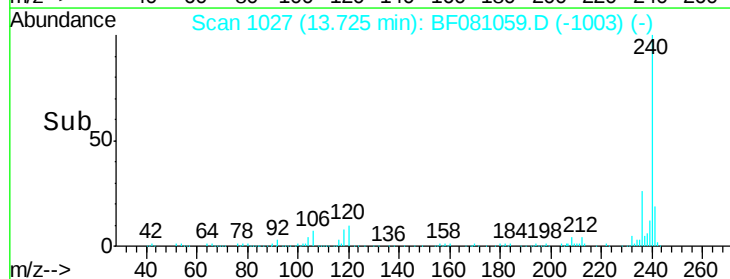
236 26.3 20.6 30.8

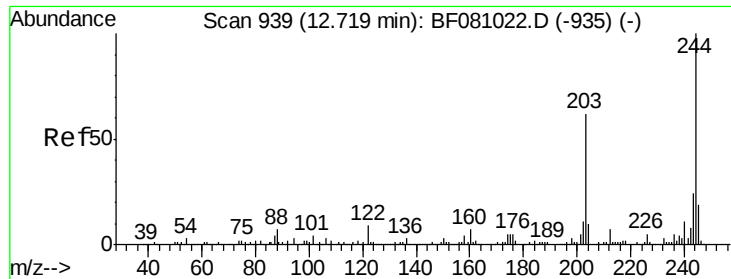


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

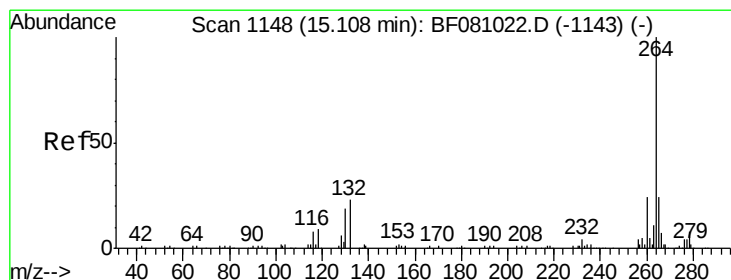
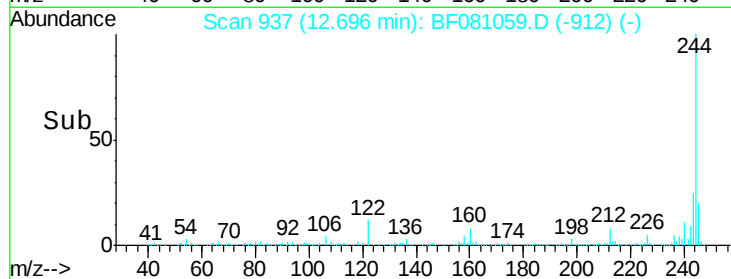
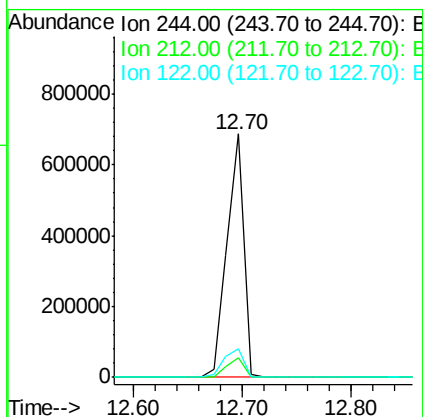
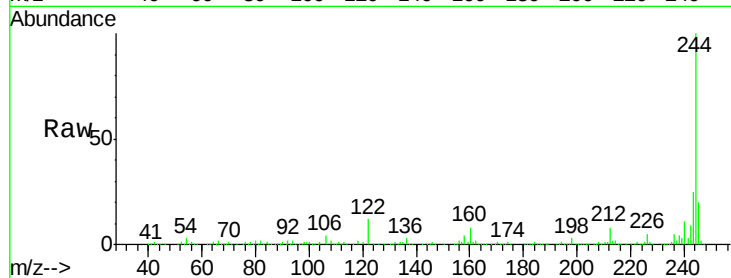




#78  
 Terphenyl-d14  
 Concen: 61.24 ng  
 RT: 12.70 min Scan# 937  
 Delta R.T. -0.01 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 734412  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.8 8.8  
 122 11.6 8.2 12.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.07 min Scan# 1145  
 Delta R.T. -0.02 min  
 Lab File: BF081059.D  
 Acq: 19 Aug 2015 00:05

Tgt Ion:264 Resp: 199648  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.6 29.4  
 265 20.3 17.5 26.3

