

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062515\  
 Data File : BF080168.D  
 Acq On : 25 Jun 2015 16:16  
 Operator : TP/IZ  
 Sample : G2747-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

Quant Time: Jun 26 01:20:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 26 01:01:50 2015  
 Response via : Initial Calibration

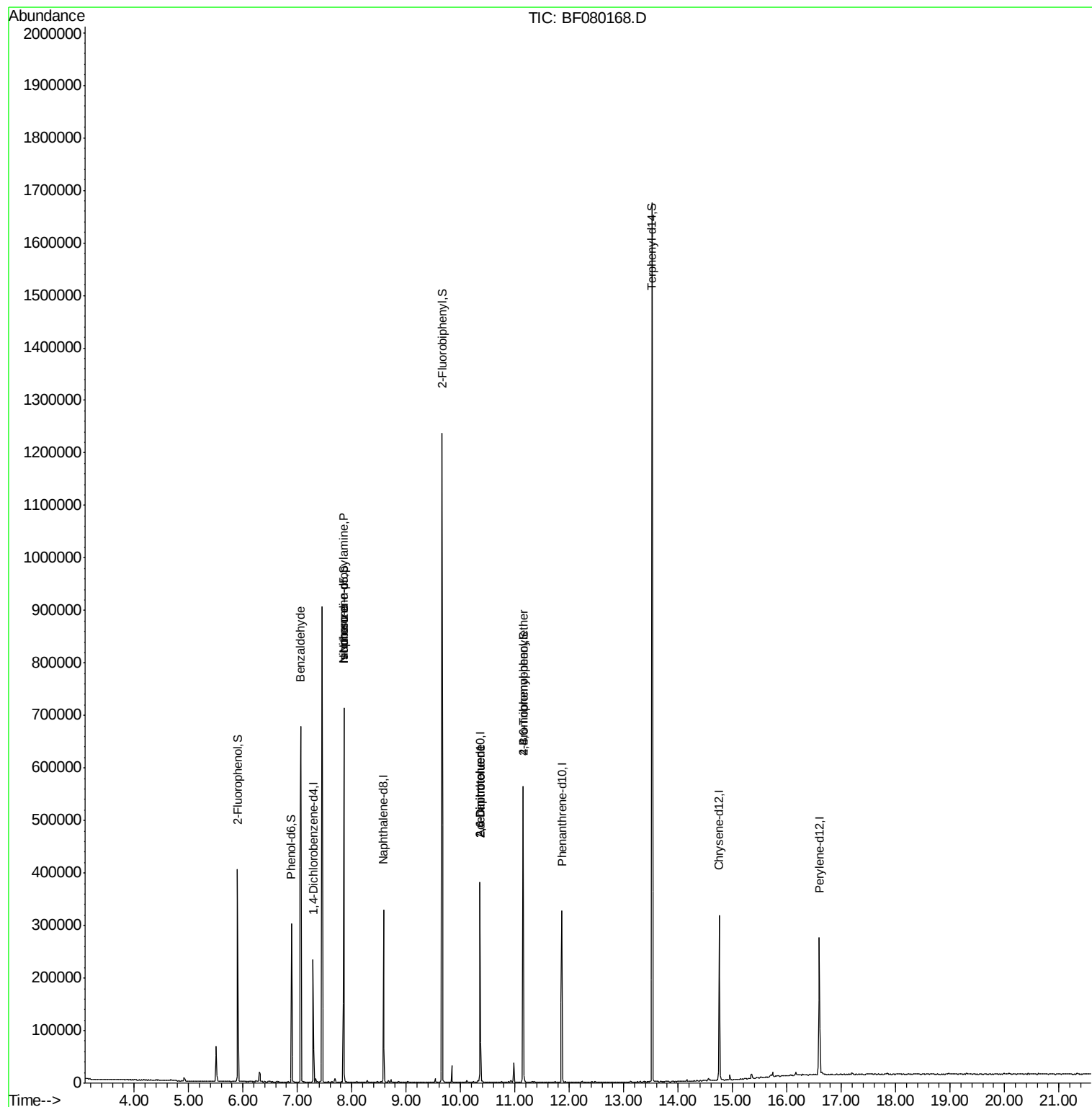
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.29  | 152  | 33845    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.58  | 136  | 136515   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.36 | 164  | 70328    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.86 | 188  | 139686   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.76 | 240  | 148030   | 20.00  | ng    | -0.07    |
| 86) Perylene-d12               | 16.60 | 264  | 142839   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.90  | 112  | 108842   | 56.93  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.89  | 99   | 91235    | 35.86  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.85  | 82   | 210787   | 89.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.16 | 330  | 95206    | 138.44 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.66  | 172  | 413536   | 83.86  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.52 | 244  | 546359   | 86.20  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 7.06  | 77   | 4895     | 3.33   | ng    | # 66     |
| 19) n-Nitroso-di-n-propylamine | 7.85  | 70   | 27427    | 15.53  | ng    | # 56     |
| 25) Isophorone                 | 7.85  | 82   | 176375   | 37.37  | ng    | # 58     |
| 50) 2,6-Dinitrotoluene         | 10.36 | 165  | 9200     | 8.68   | ng    | # 37     |
| 56) 2,4-Dinitrotoluene         | 10.36 | 165  | 9200     | 6.84   | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 11.16 | 248  | 6480     | 4.36   | ng    | # 1      |

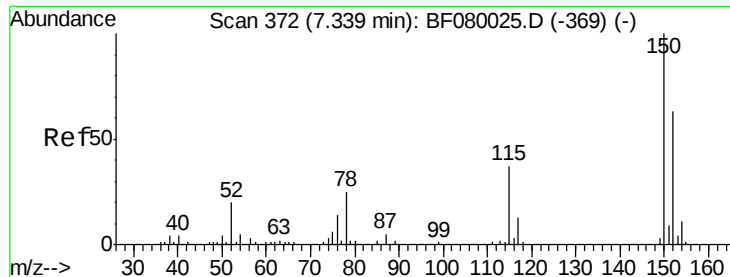
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062515\  
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QLast Update : Fri Jun 26 01:01:50 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF080168.D

Acq: 25 Jun 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

FB062315

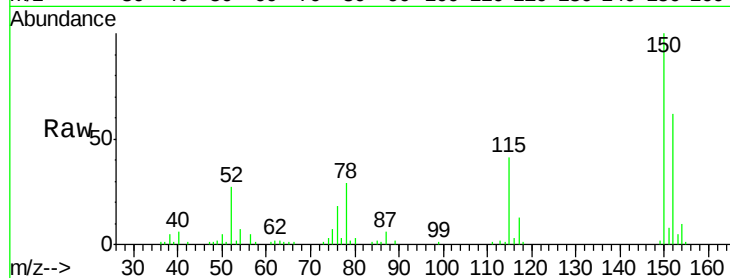
Tgt Ion:152 Resp: 33845

Ion Ratio Lower Upper

152 100

150 162.2 124.7 187.1

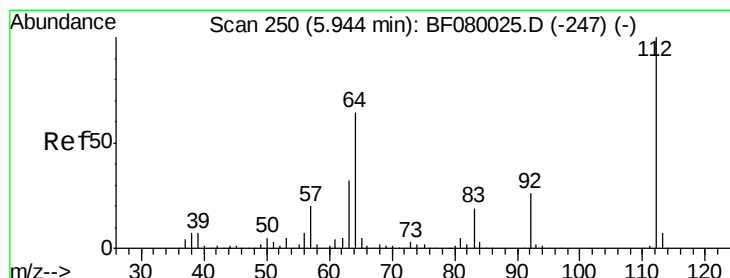
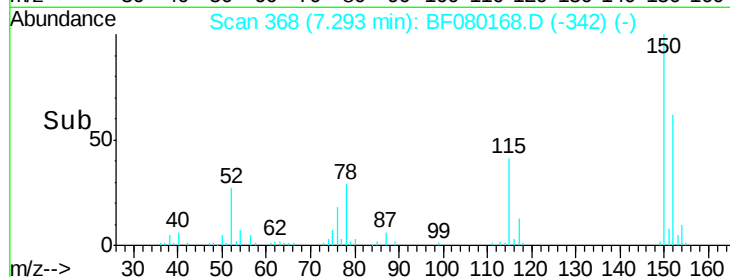
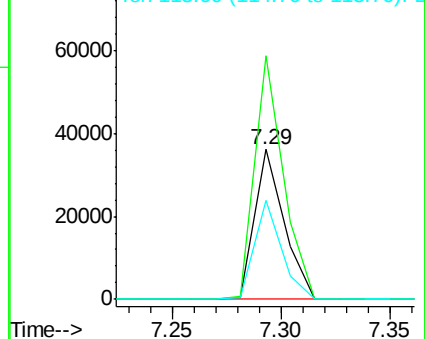
115 65.8 39.0 58.4#



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: 56.93 ng

RT: 5.90 min Scan# 246

Delta R.T. -0.00 min

Lab File: BF080168.D

Acq: 25 Jun 2015 16:16

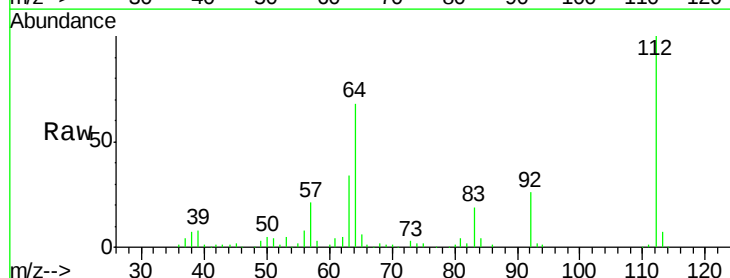
Tgt Ion:112 Resp: 108842

Ion Ratio Lower Upper

112 100

64 67.8 39.7 59.5#

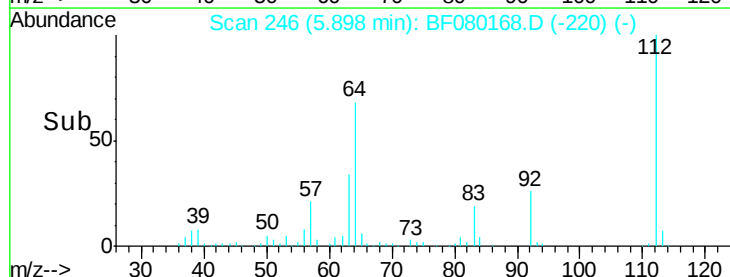
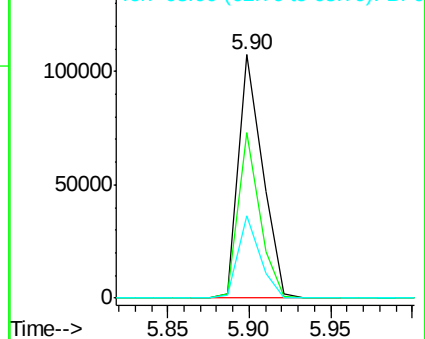
63 34.0 17.4 26.0#

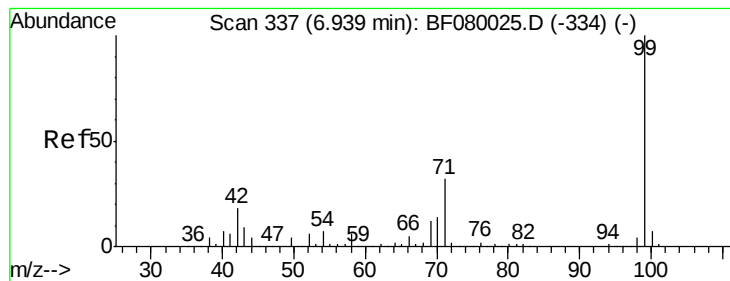


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.86 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF080168.D

Acq: 25 Jun 2015 16:16

Instrument :

BNA\_F

ClientSampleId :

FB062315

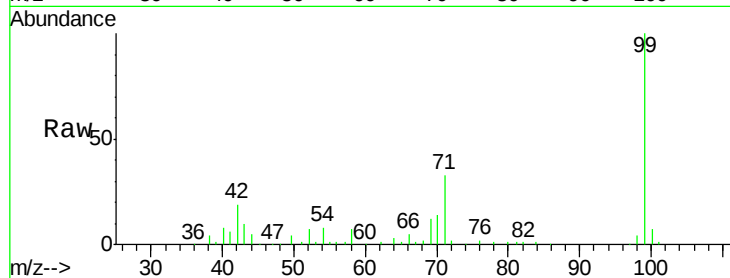
Tgt Ion: 99 Resp: 91235

Ion Ratio Lower Upper

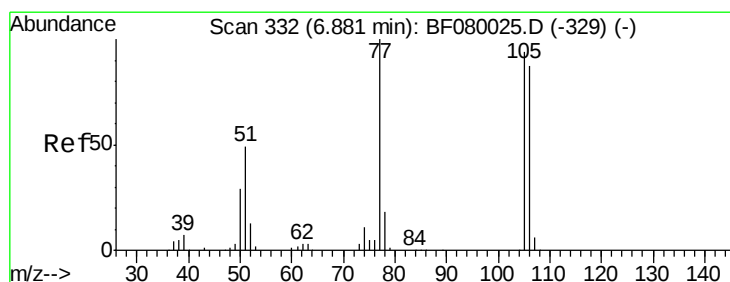
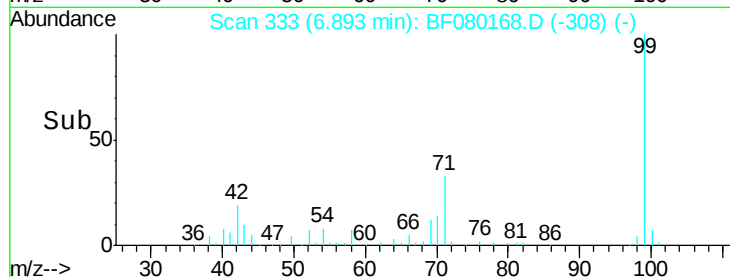
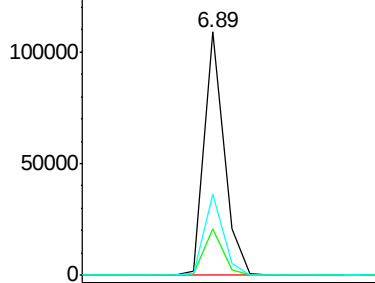
99 100

42 19.3 13.7 20.5

71 33.1 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



#9

Benzaldehyde

Concen: 3.33 ng

RT: 7.06 min Scan# 348

Delta R.T. 0.22 min

Lab File: BF080168.D

Acq: 25 Jun 2015 16:16

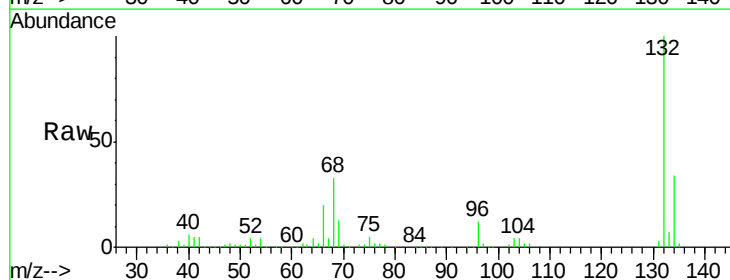
Tgt Ion: 77 Resp: 4895

Ion Ratio Lower Upper

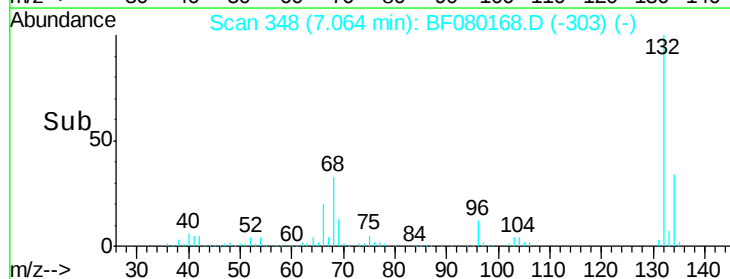
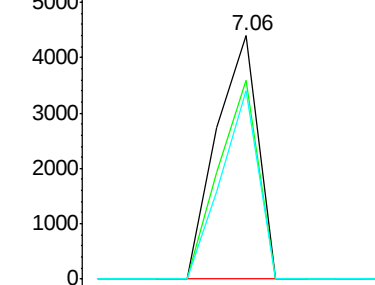
77 100

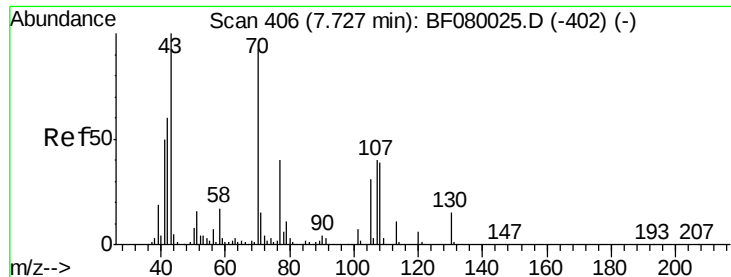
105 81.9 91.6 131.6#

106 77.5 102.6 142.6#



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

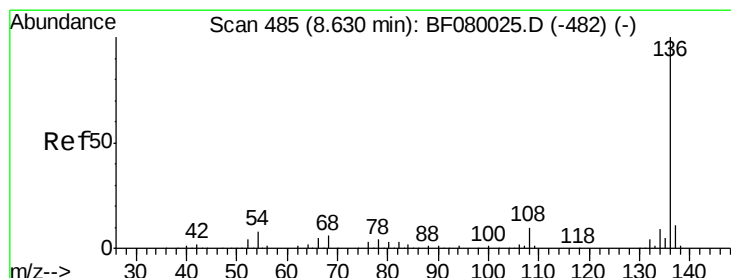
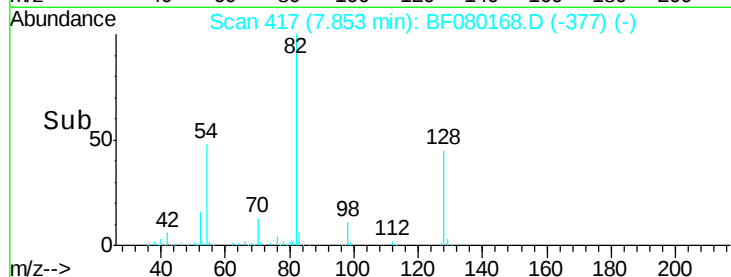
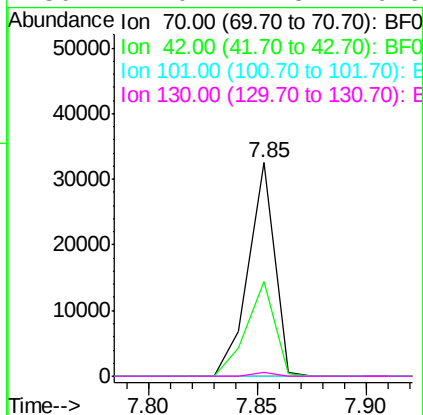
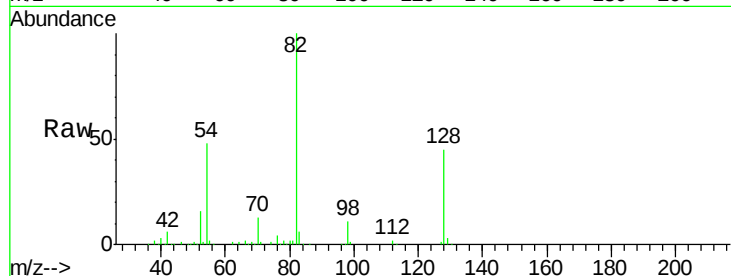




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.53 ng  
RT: 7.85 min Scan# 417  
Delta R.T. 0.16 min  
Lab File: BF080168.D  
Acq: 25 Jun 2015 16:16

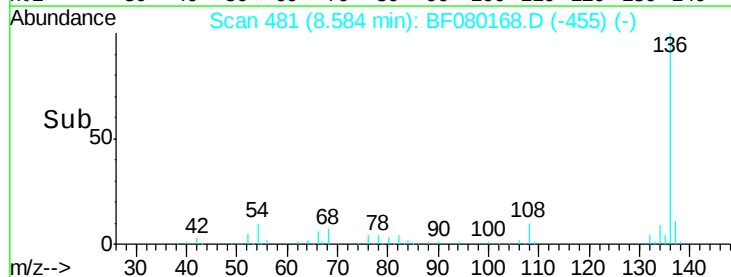
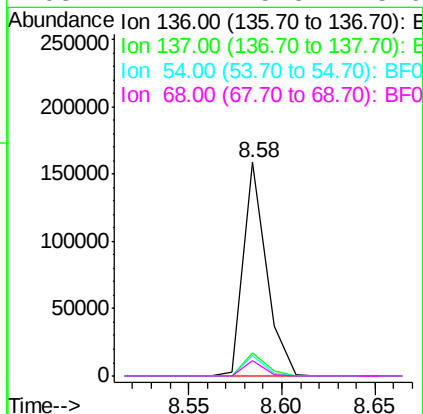
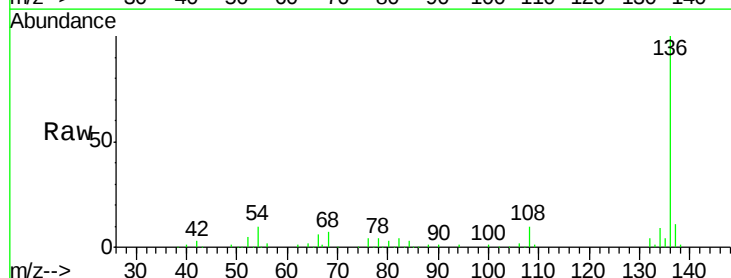
Instrument :  
BNA\_F  
ClientSampled :  
FB062315

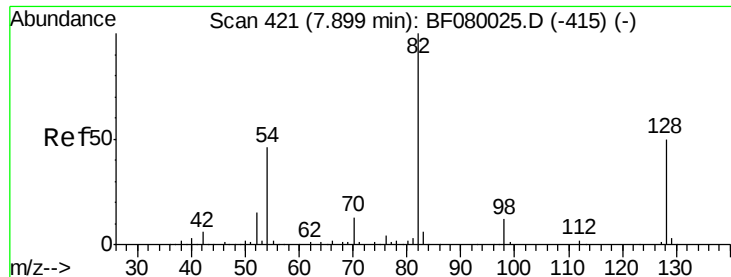
Tgt Ion: 70 Resp: 27427  
Ion Ratio Lower Upper  
70 100  
42 44.3 63.8 95.6#  
101 0.0 9.2 13.8#  
130 2.0 27.3 40.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.58 min Scan# 481  
Delta R.T. -0.00 min  
Lab File: BF080168.D  
Acq: 25 Jun 2015 16:16

Tgt Ion: 136 Resp: 136515  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 9.7 8.2 12.2  
68 7.1 5.8 8.6

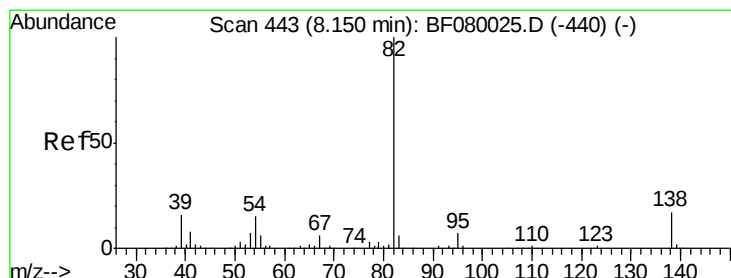
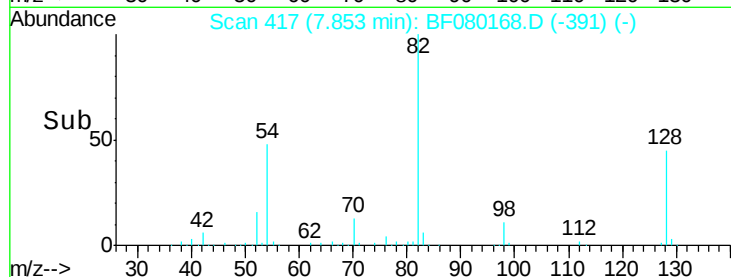
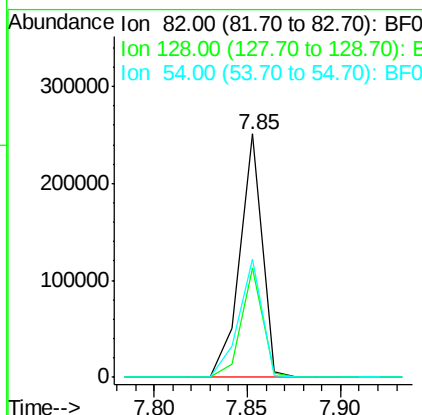
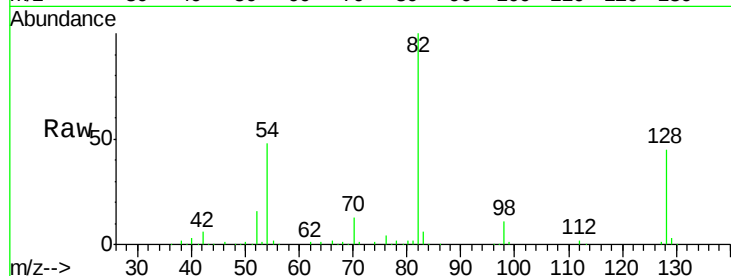




#23  
 Nitrobenzene-d5  
 Concen: 89.89 ng  
 RT: 7.85 min Scan# 417  
 Delta R.T. -0.00 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

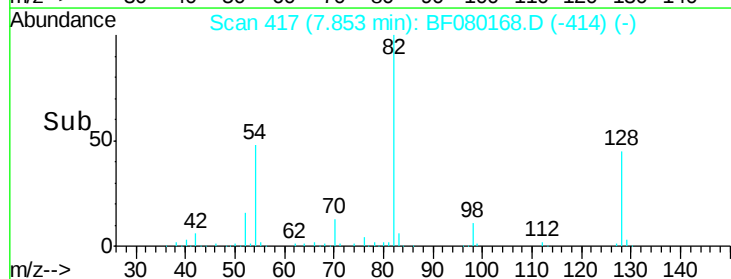
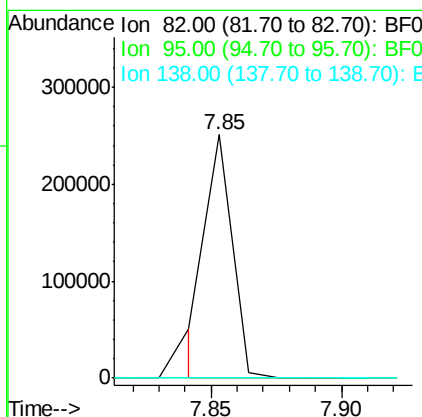
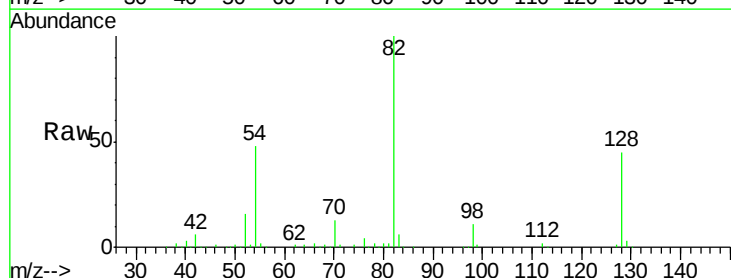
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

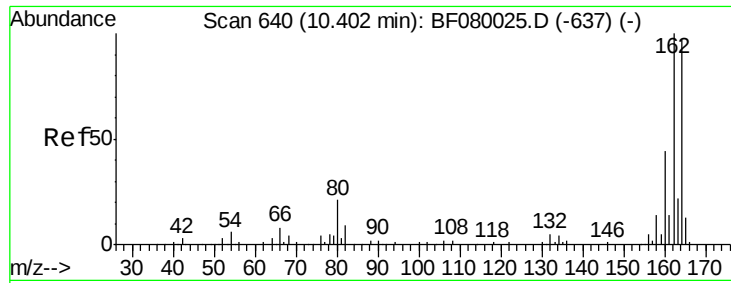
Tgt Ion: 82 Resp: 210787  
 Ion Ratio Lower Upper  
 82 100  
 128 45.0 51.0 76.6#  
 54 48.3 47.5 71.3



#25  
 Isophorone  
 Concen: 37.37 ng  
 RT: 7.85 min Scan# 417  
 Delta R.T. -0.26 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Tgt Ion: 82 Resp: 176375  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 4.0 6.0#  
 138 0.0 18.3 27.5#

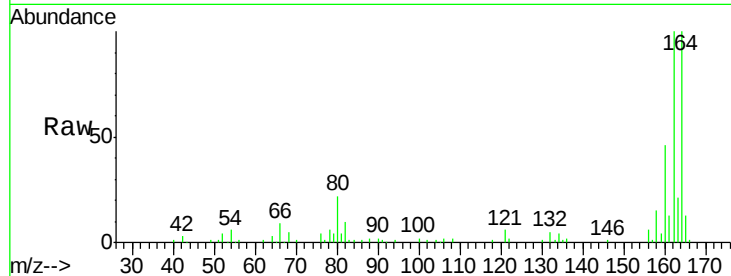




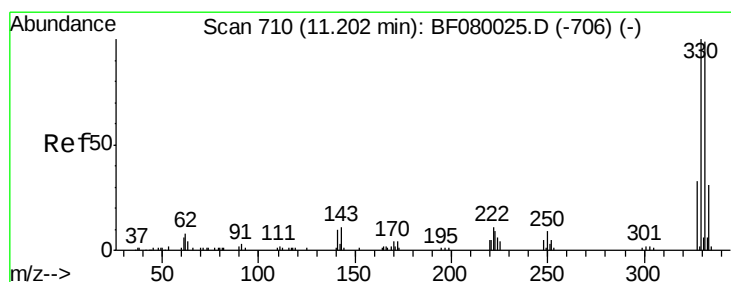
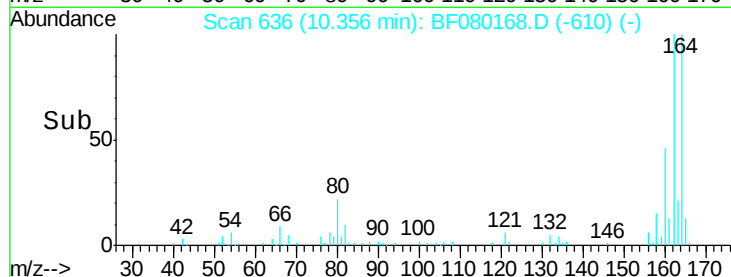
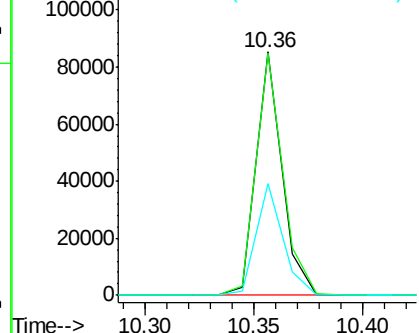
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.36 min Scan# 636  
 Delta R.T. -0.00 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

Tgt Ion:164 Resp: 70328  
 Ion Ratio Lower Upper  
 164 100  
 162 99.7 75.2 112.8  
 160 46.0 31.5 47.3

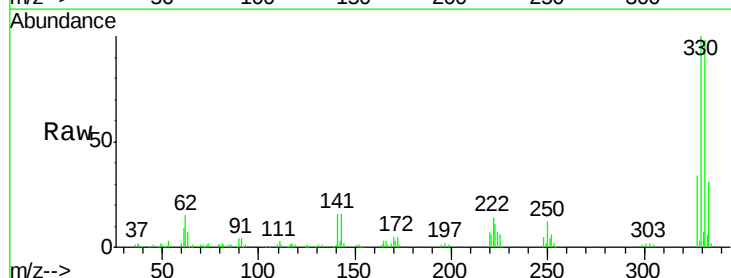


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

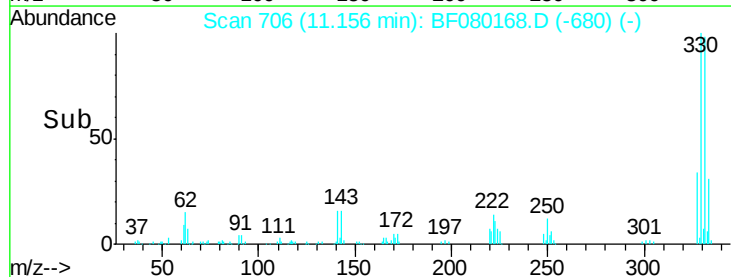
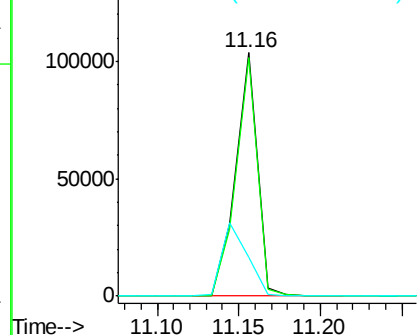


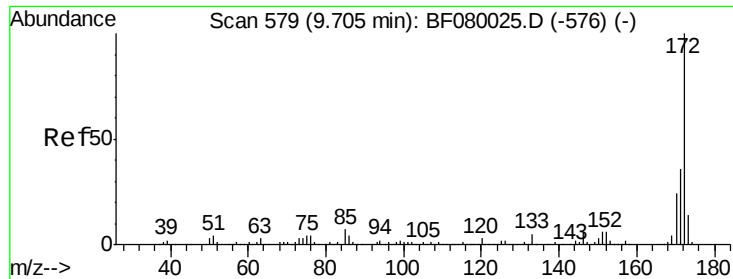
#41  
 2,4,6-Tribromophenol  
 Concen: 138.44 ng  
 RT: 11.16 min Scan# 706  
 Delta R.T. -0.00 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Tgt Ion:330 Resp: 95206  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 35.4 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

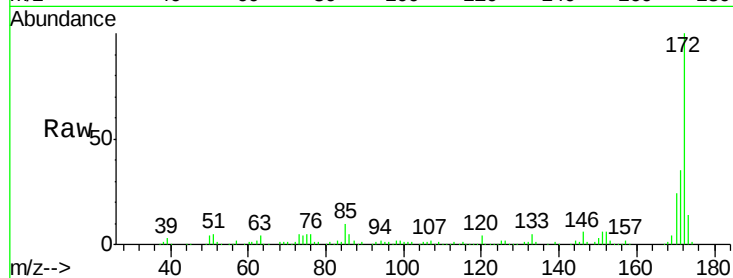




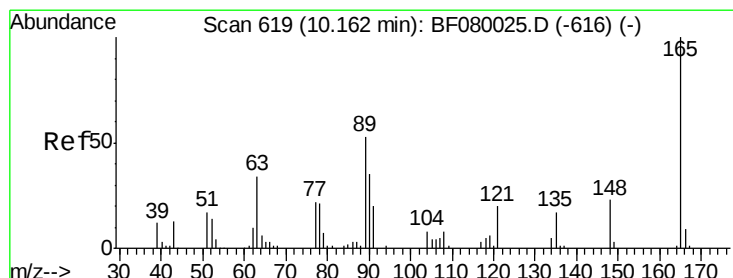
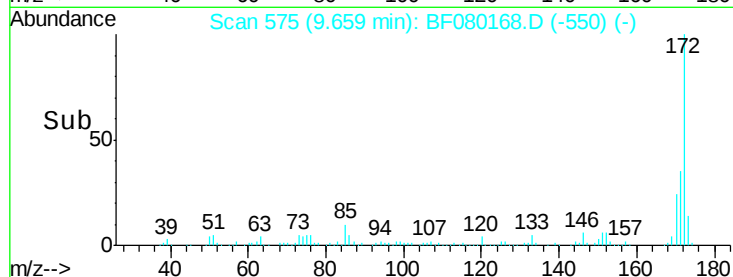
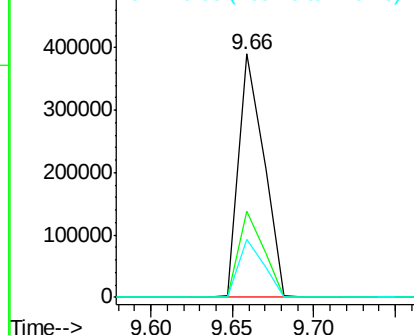
#44  
 2-Fluorobiphenyl  
 Concen: 83.86 ng  
 RT: 9.66 min Scan# 575  
 Delta R.T. -0.01 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

Tgt Ion:172 Resp: 413536  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 26.1 39.1  
 170 23.8 17.4 26.2

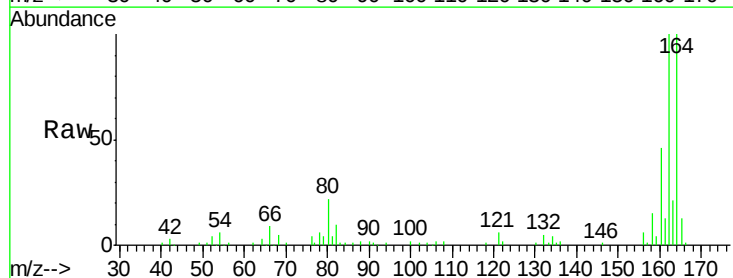


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

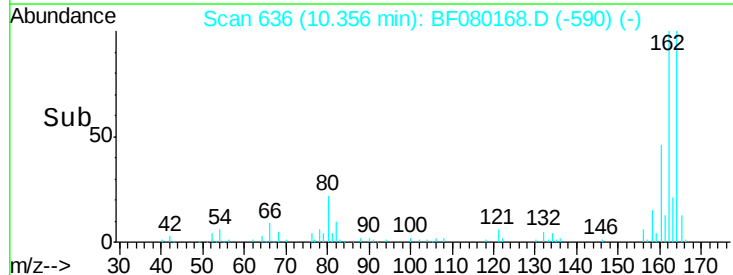
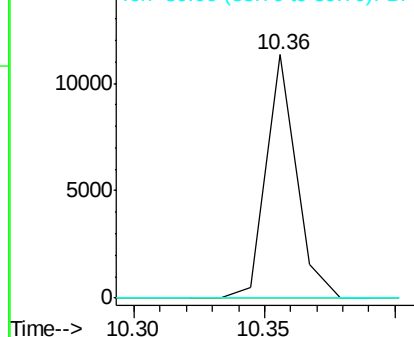


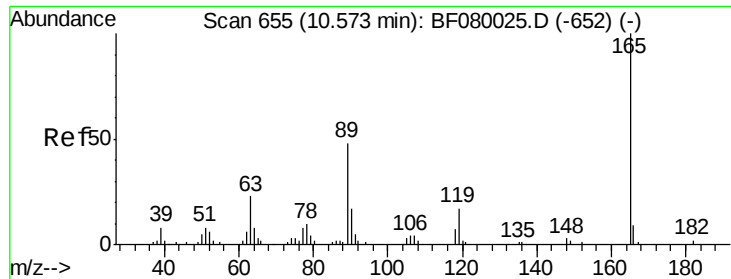
#50  
 2,6-Dinitrotoluene  
 Concen: 8.68 ng  
 RT: 10.36 min Scan# 636  
 Delta R.T. 0.23 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Tgt Ion:165 Resp: 9200  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 32.3 48.5#  
 89 0.0 28.6 43.0#



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

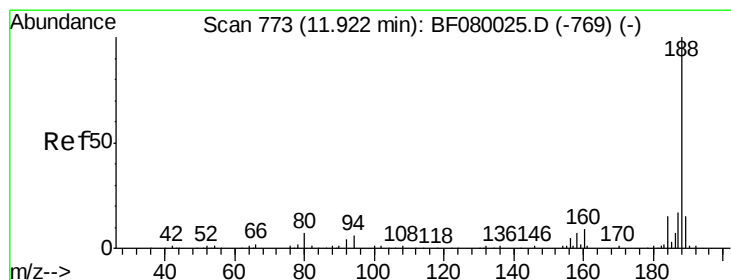
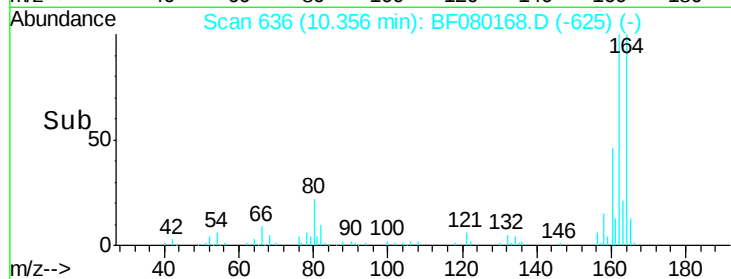
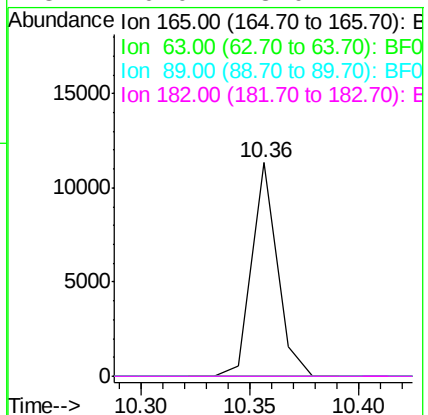
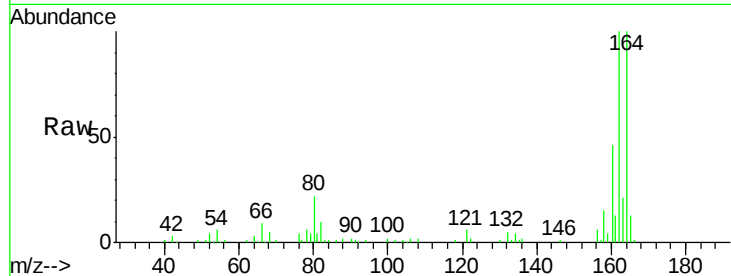




#56  
 2,4-Dinitrotoluene  
 Concen: 6.84 ng  
 RT: 10.36 min Scan# 636  
 Delta R.T. -0.17 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

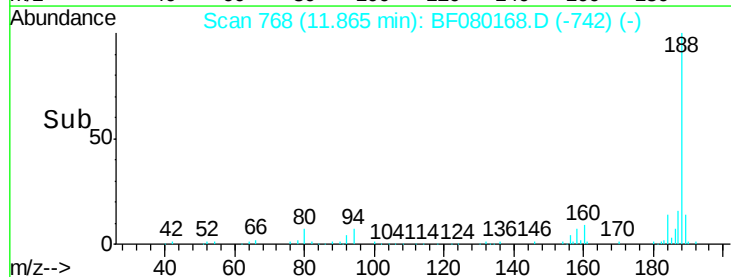
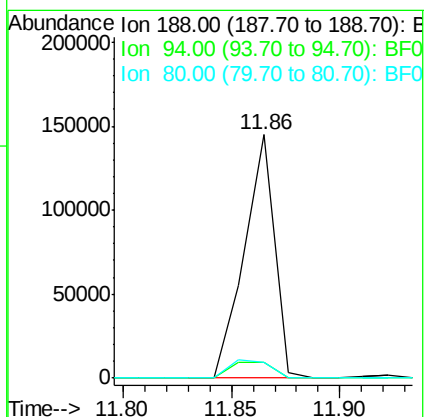
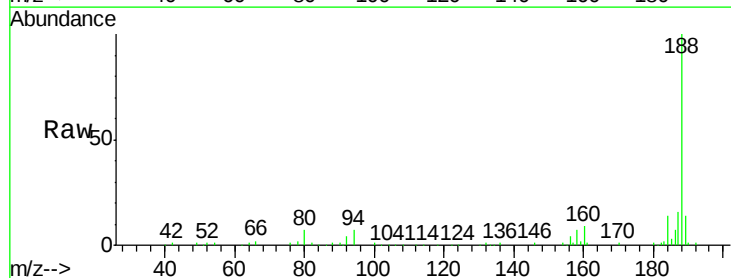
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

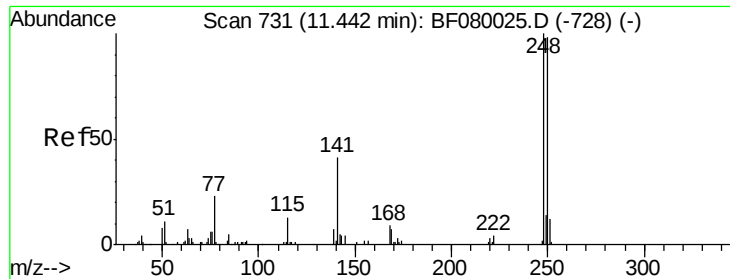
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 9200  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 29.8  | 44.6# |
| 89       | 0.0   | 44.5  | 66.7# |
| 182      | 0.0   | 3.0   | 4.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.86 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 139686 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.7   | 11.1  | 16.7#  |
| 80       | 6.7   | 11.0  | 16.4#  |

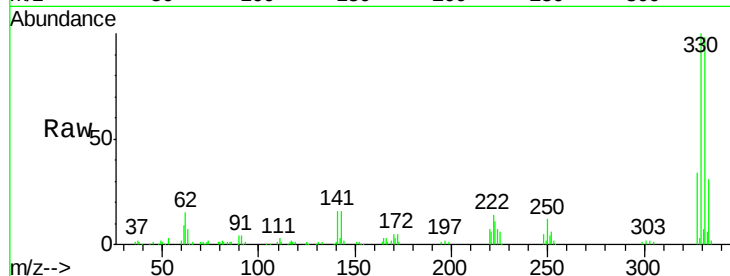




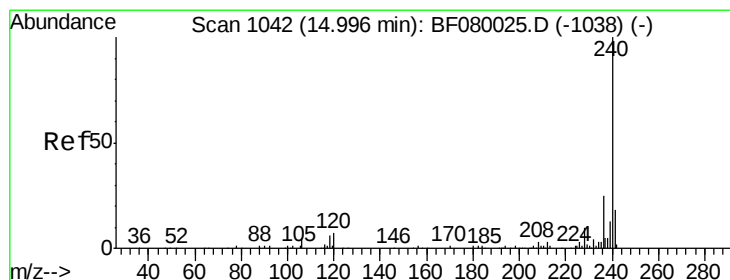
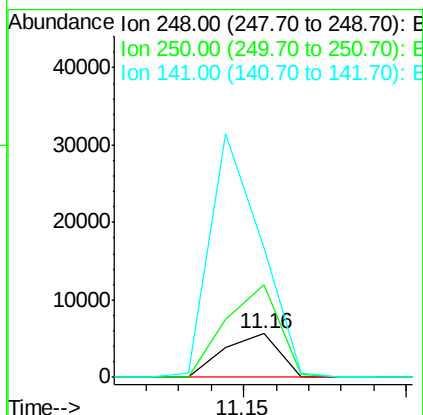
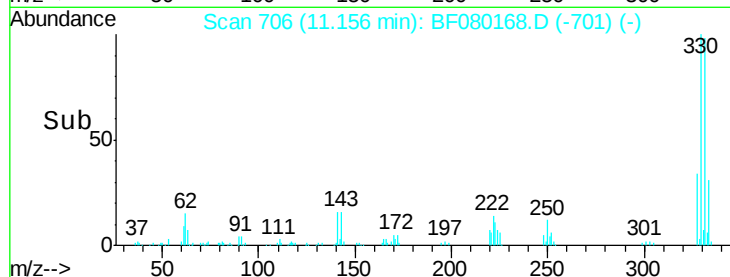
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.36 ng  
 RT: 11.16 min Scan# 706  
 Delta R.T. -0.24 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

Tgt Ion:248 Resp: 6480  
 Ion Ratio Lower Upper  
 248 100  
 250 213.4 78.5 117.7#  
 141 297.9 59.0 88.6#

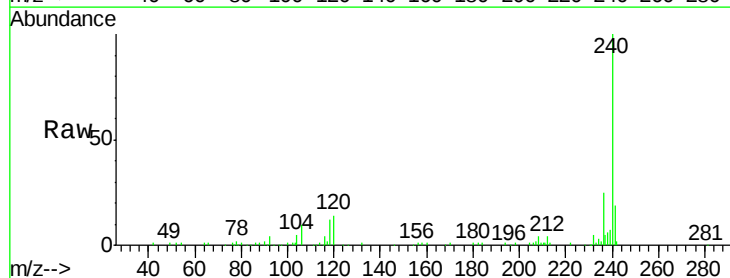


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

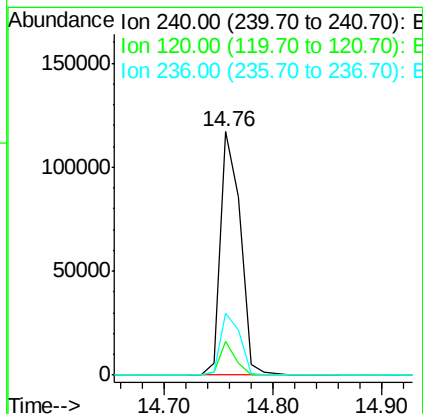
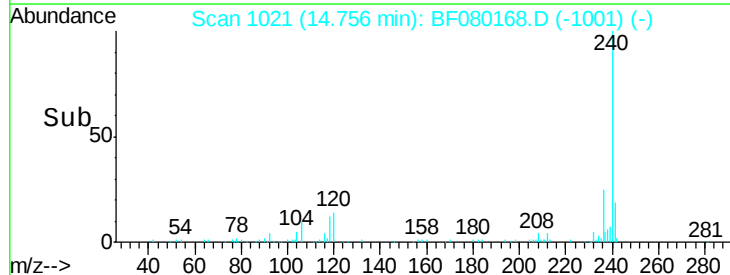


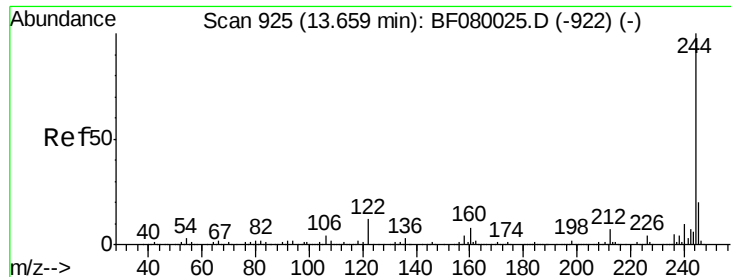
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.76 min Scan# 1021  
 Delta R.T. -0.07 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Tgt Ion:240 Resp: 148030  
 Ion Ratio Lower Upper  
 240 100  
 120 13.8 16.2 24.2#  
 236 25.4 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

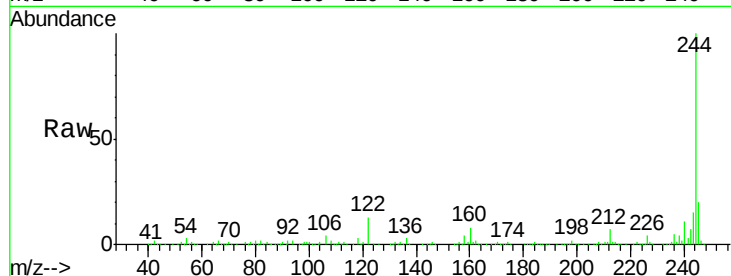




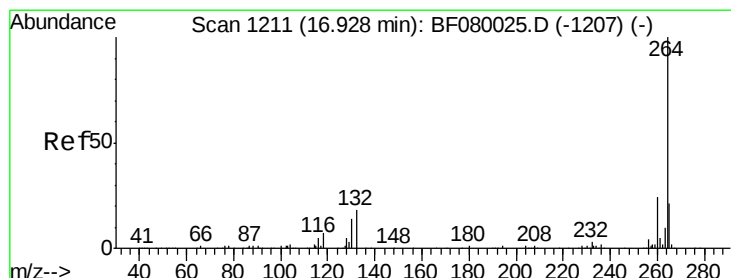
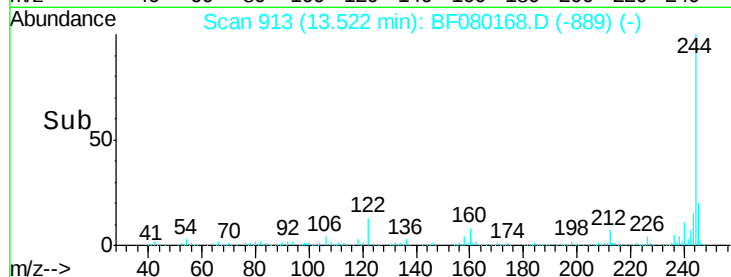
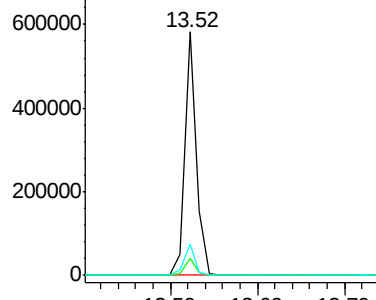
#78  
 Terphenyl-d14  
 Concen: 86.20 ng  
 RT: 13.52 min Scan# 913  
 Delta R.T. -0.02 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FB062315

Tgt Ion:244 Resp: 546359  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 4.3 6.5#  
 122 12.6 17.4 26.2#

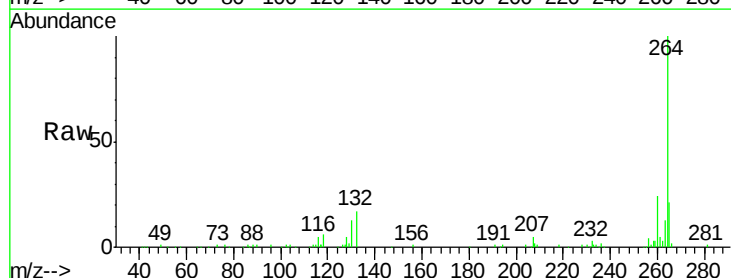


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.60 min Scan# 1182  
 Delta R.T. -0.11 min  
 Lab File: BF080168.D  
 Acq: 25 Jun 2015 16:16

Tgt Ion:264 Resp: 142839  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 16.7 25.1  
 265 21.2 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

