

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050216\  
 Data File : BF086618.D  
 Acq On : 2 May 2016 15:32  
 Operator : UM/SJ  
 Sample : H2716-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

Quant Time: May 03 01:16:18 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

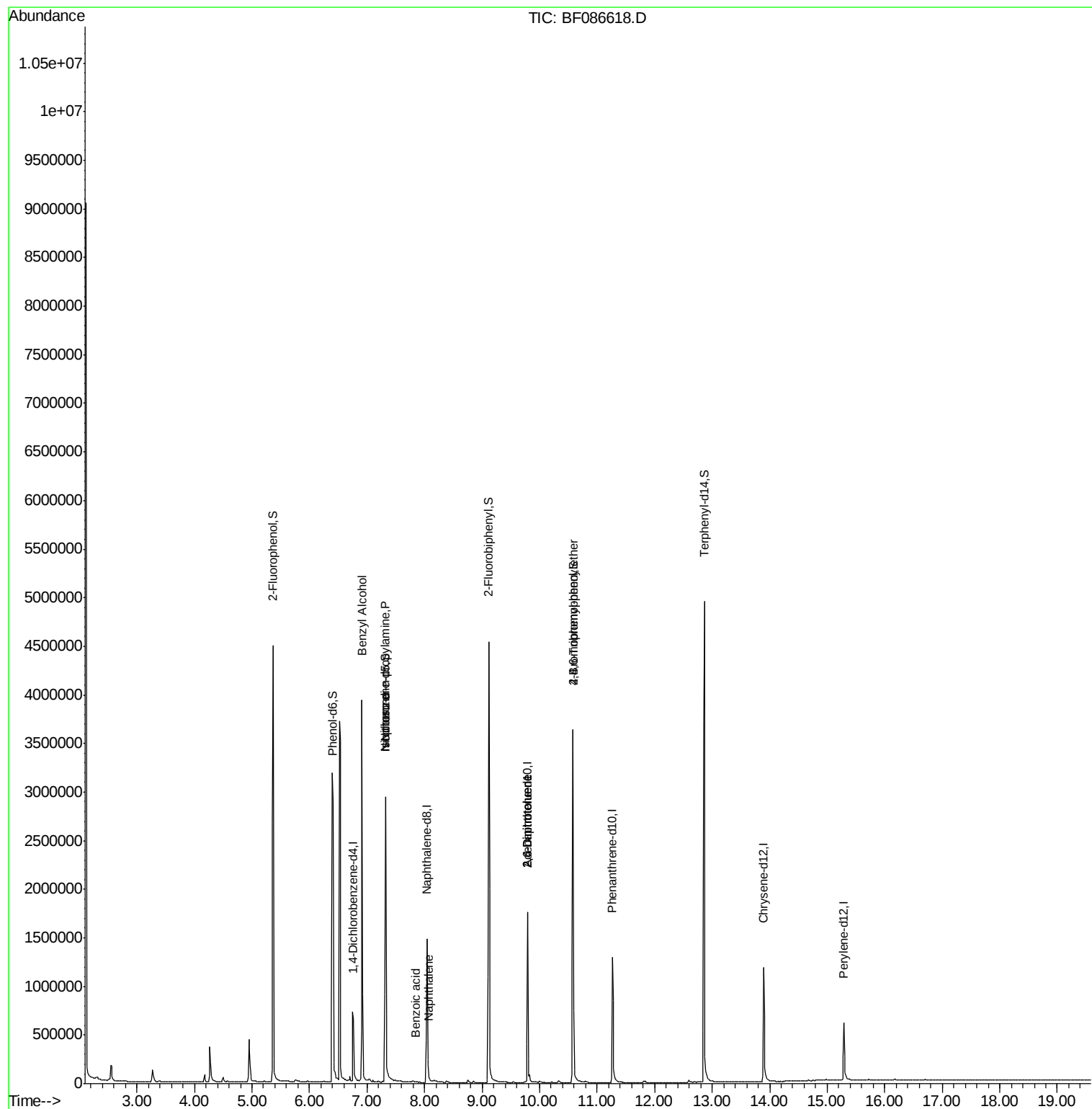
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 165320   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.04  | 136  | 740404   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10           | 9.79  | 164  | 350396   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 11.26 | 188  | 678578   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12               | 13.89 | 240  | 568321   | 20.00  | ng    | -0.07    |
| 86) Perylene-d12               | 15.29 | 264  | 239729   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 1327433  | 138.50 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.41  | 99   | 1679366  | 125.54 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 1135498  | 82.66  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 10.58 | 330  | 476041   | 128.83 | ng    | -0.06    |
| 44) 2-Fluorobiphenyl           | 9.12  | 172  | 1822760  | 92.83  | ng    | -0.06    |
| 78) Terphenyl-d14              | 12.87 | 244  | 2183927  | 84.66  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.91  | 79   | 19536    | 2.31   | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.32  | 70   | 152571   | 17.26  | ng    | # 73     |
| 25) Isophorone                 | 7.32  | 82   | 928074   | 35.11  | ng    | # 68     |
| 31) Naphthalene                | 8.06  | 128  | 78032    | 2.07   | ng    | # 97     |
| 32) Benzoic acid               | 7.85  | 122  | 346      | 8.82   | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 44052    | 8.08   | ng    | # 20     |
| 56) 2,4-Dinitrotoluene         | 9.79  | 165  | 44263    | 6.37   | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 10.58 | 248  | 28689    | 4.10   | ng    | # 1      |

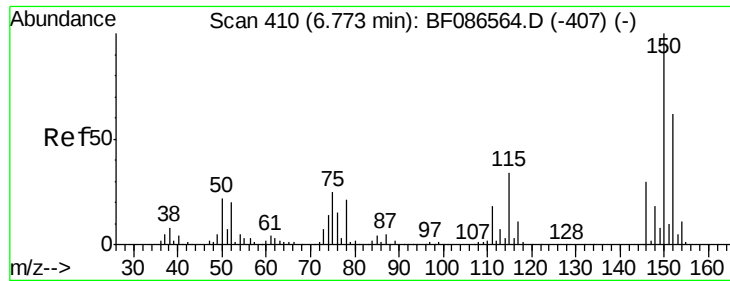
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050216\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF042716.M  
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QLast Update : Wed Apr 27 14:20:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

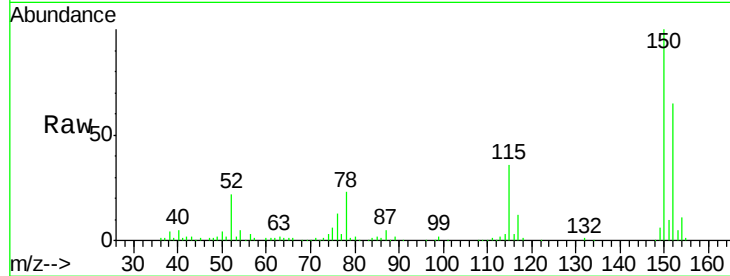
Tgt Ion:152 Resp: 165320

Ion Ratio Lower Upper

152 100

150 154.0 125.8 188.6

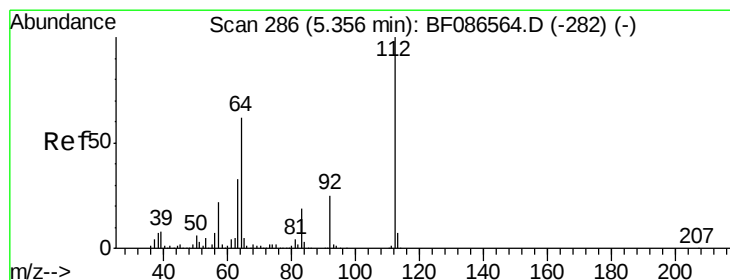
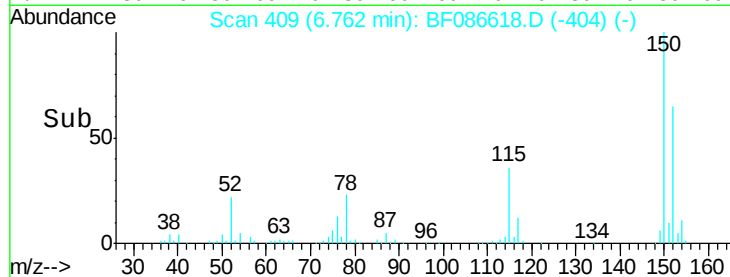
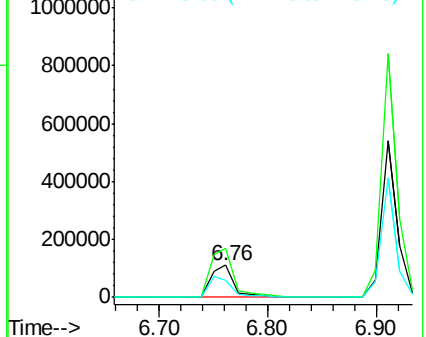
115 55.3 51.5 77.3



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: 138.50 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

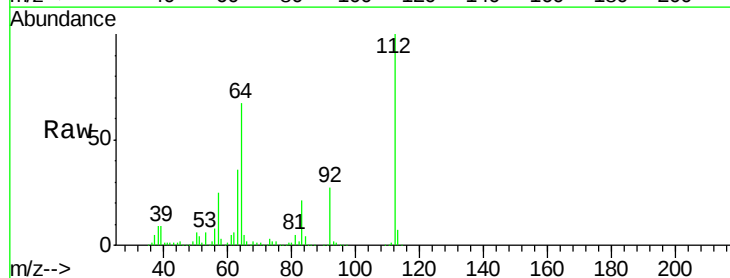
Tgt Ion:112 Resp: 1327433

Ion Ratio Lower Upper

112 100

64 67.4 52.1 78.1

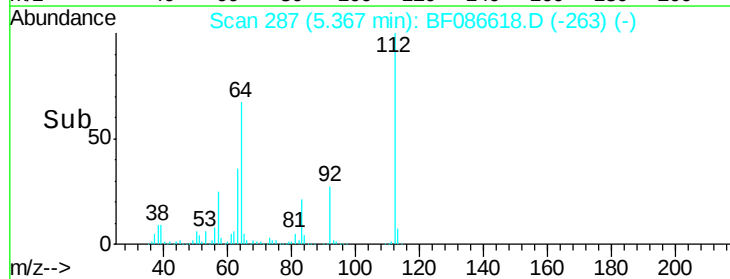
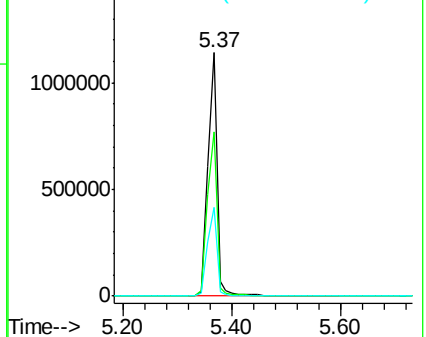
63 36.4 25.7 38.5

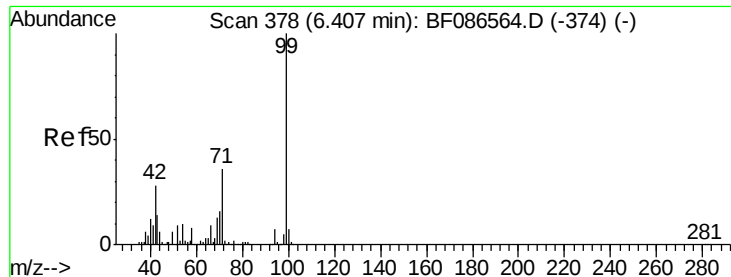


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.54 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

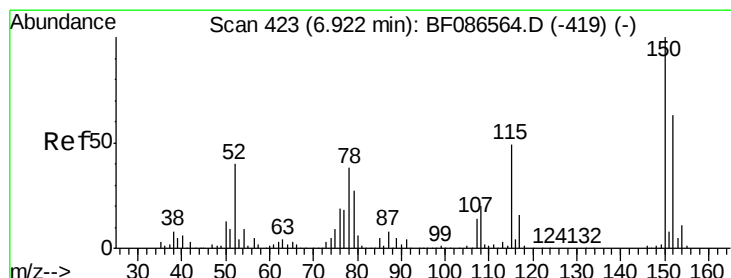
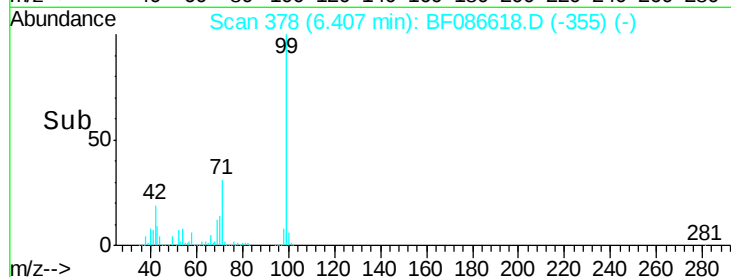
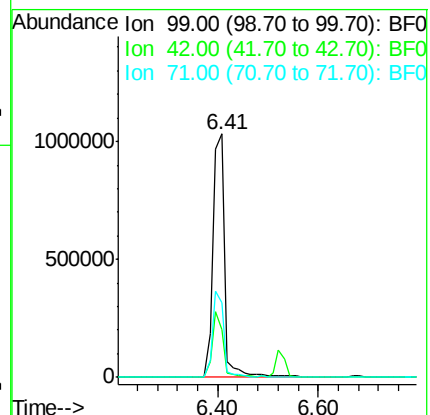
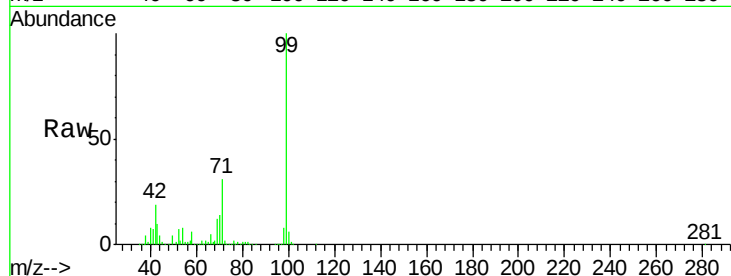
Tgt Ion: 99 Resp: 1679366

Ion Ratio Lower Upper

99 100

42 19.4 13.6 20.4

71 30.8 24.6 36.8



#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

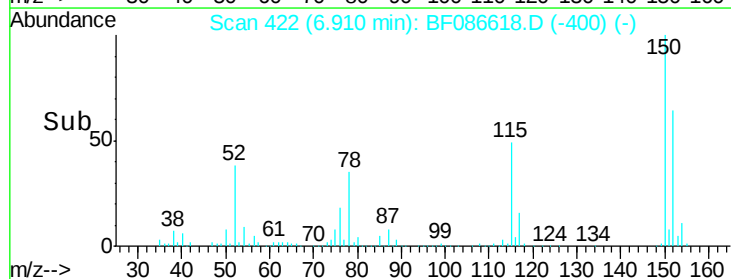
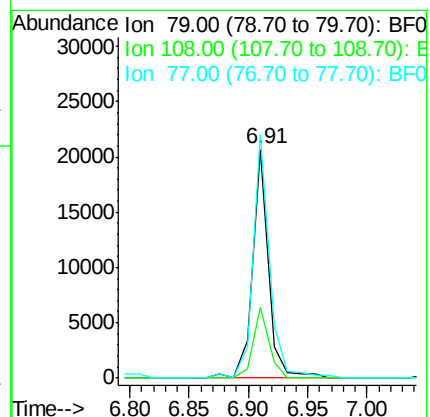
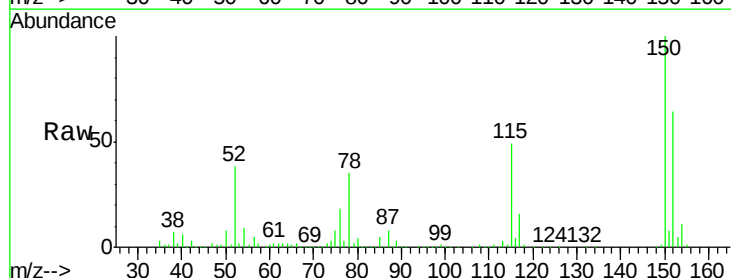
Tgt Ion: 79 Resp: 19536

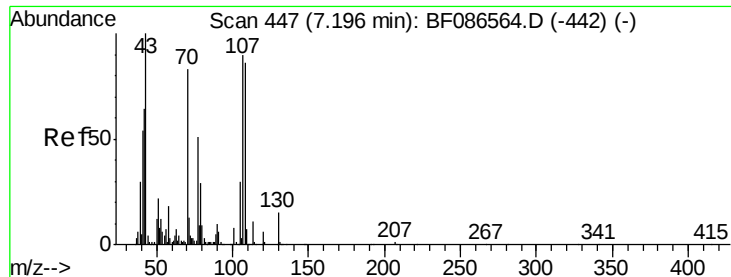
Ion Ratio Lower Upper

79 100

108 31.0 68.4 102.6#

77 106.4 50.6 76.0#

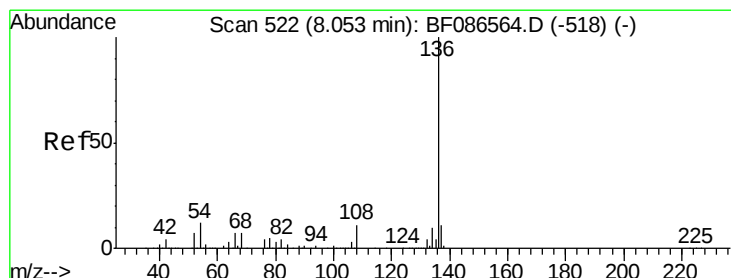
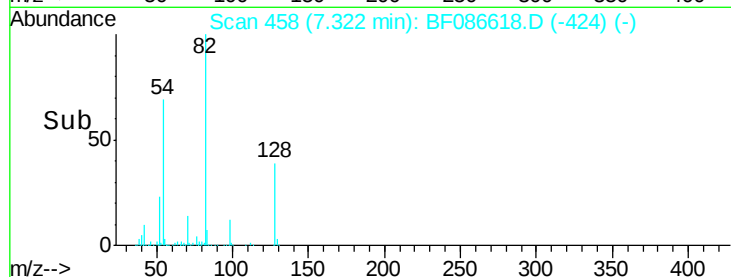
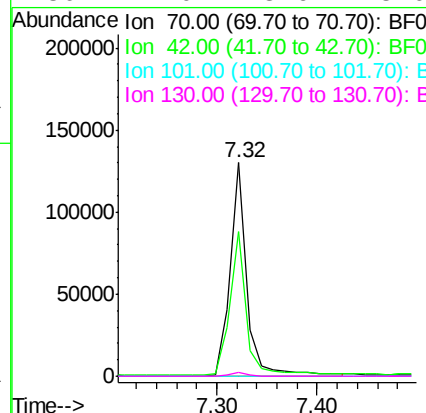
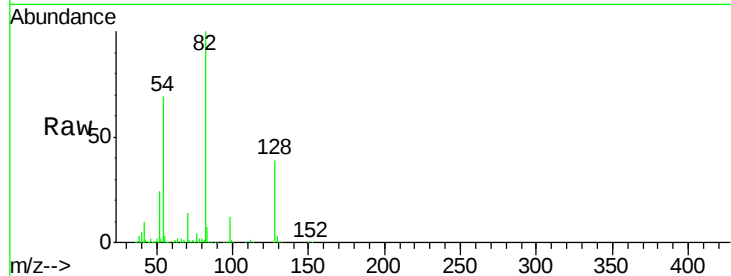




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.26 ng  
RT: 7.32 min Scan# 458  
Delta R.T. 0.09 min  
Lab File: BF086618.D  
Acq: 2 May 2016 15:32

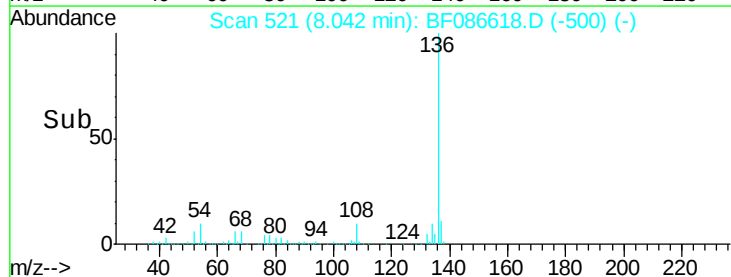
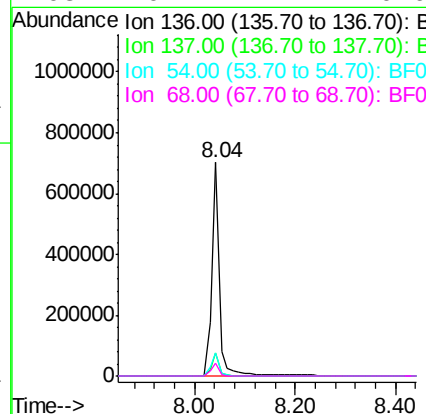
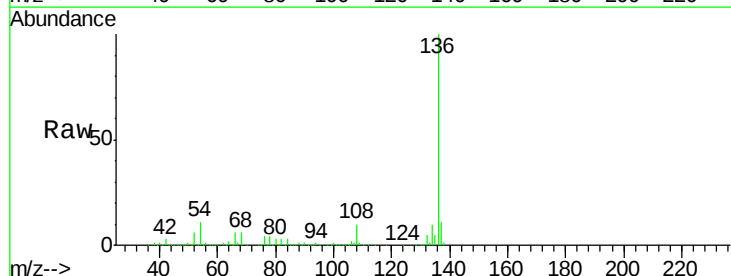
Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-7(12-25FTBGS)

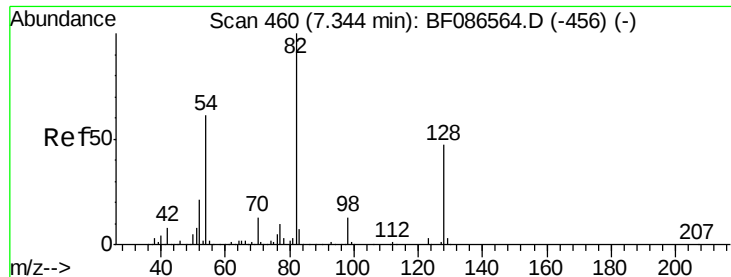
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 152571 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 68.0  | 43.1  | 64.7#  |
| 101      | 0.0   | 8.1   | 12.1#  |
| 130      | 2.0   | 18.6  | 28.0#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 521  
Delta R.T. -0.06 min  
Lab File: BF086618.D  
Acq: 2 May 2016 15:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 740404 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.8   | 13.2   |
| 54       | 10.5  | 5.0   | 7.4#   |
| 68       | 6.2   | 4.4   | 6.6    |

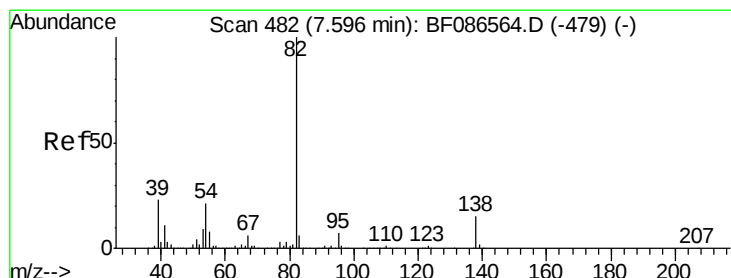
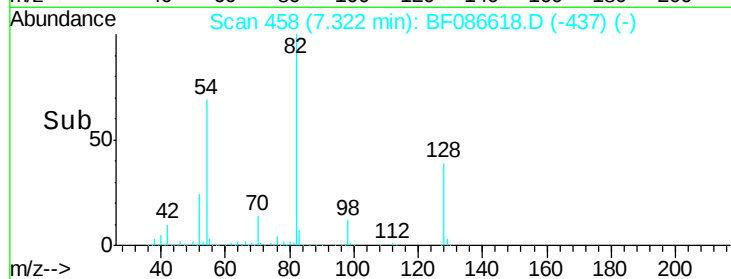
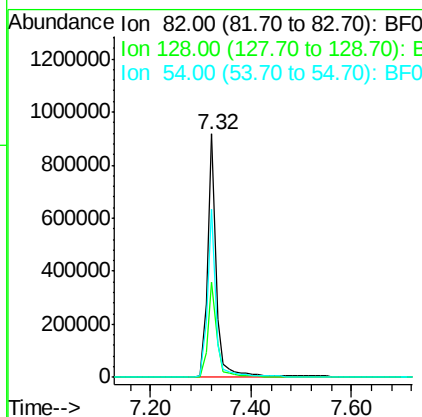
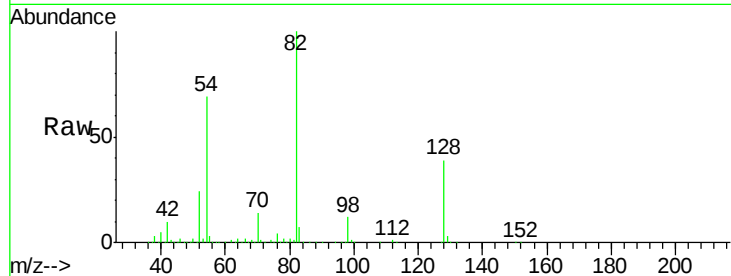




#23  
 Nitrobenzene-d5  
 Concen: 82.66 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.06 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

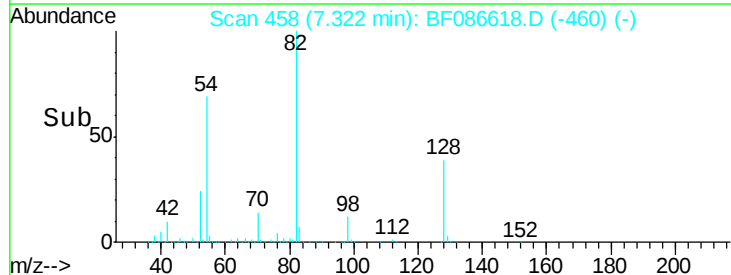
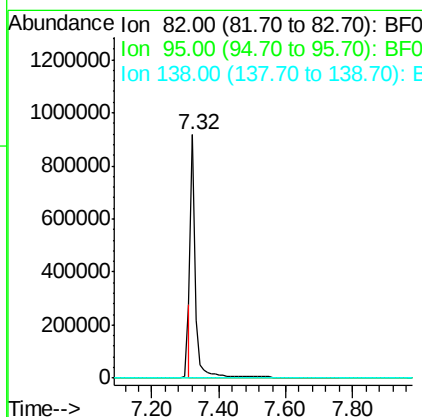
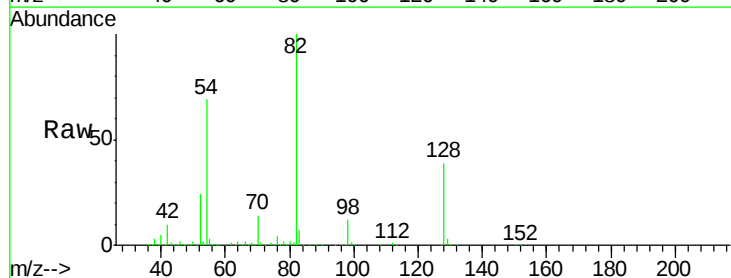
Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

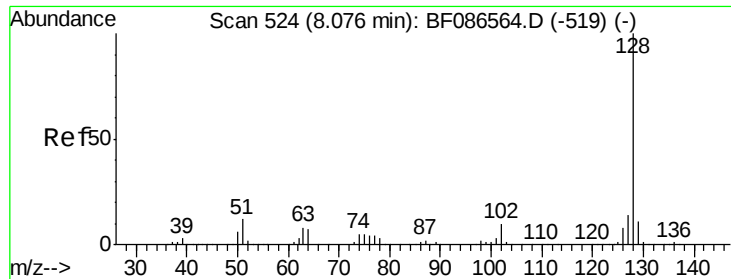
Tgt Ion: 82 Resp: 1135498  
 Ion Ratio Lower Upper  
 82 100  
 128 39.1 40.6 61.0#  
 54 69.3 38.1 57.1#



#25  
 Isophorone  
 Concen: 35.11 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.32 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Tgt Ion: 82 Resp: 928074  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.1 7.7#  
 138 0.0 12.4 18.6#

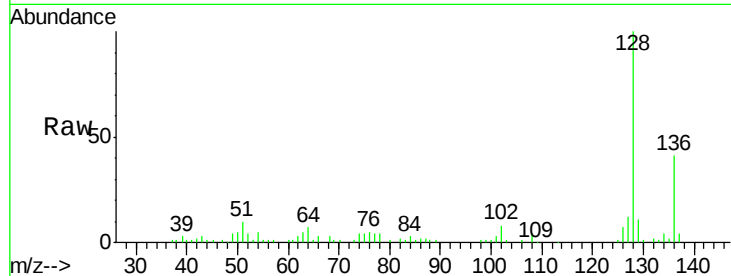




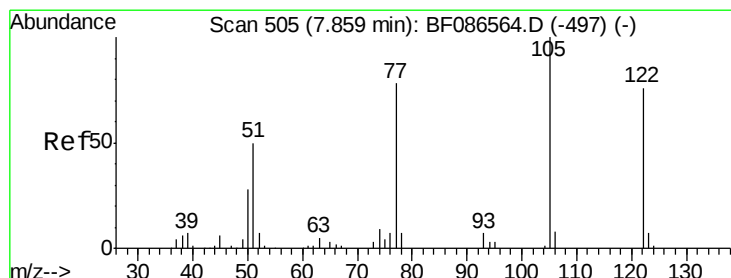
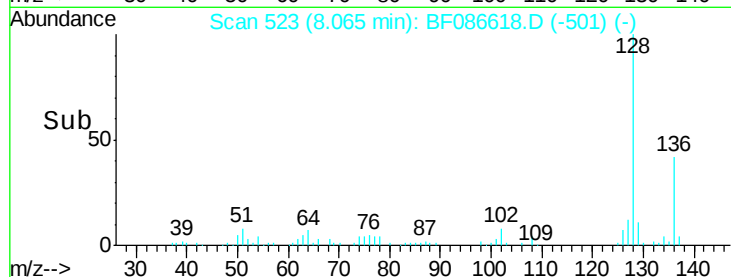
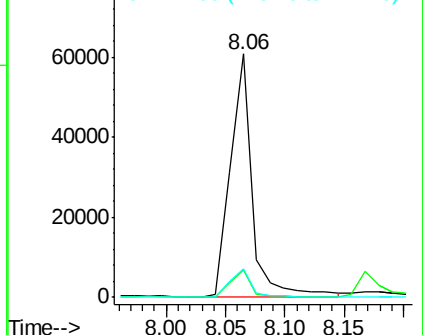
#31  
Naphthalene  
Concen: 2.07 ng  
RT: 8.06 min Scan# 523  
Delta R.T. -0.05 min  
Lab File: BF086618.D  
Acq: 2 May 2016 15:32

Instrument :  
BNA\_F  
ClientSampleId :  
26WARD-3-CS-7(12-25FTBGS)

Tgt Ion:128 Resp: 78032  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.6 13.0  
127 11.9 10.8 16.2

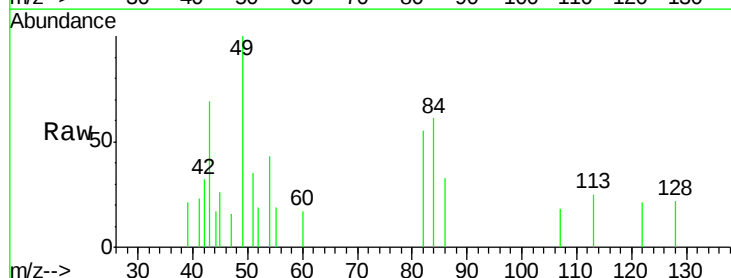


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

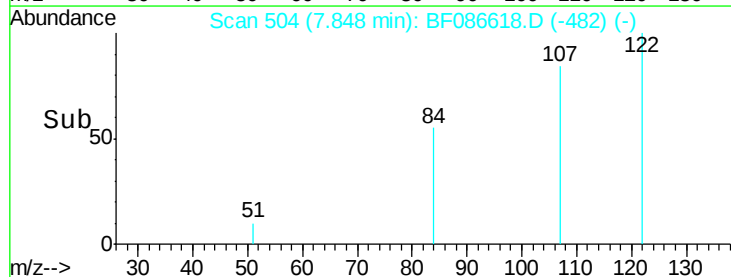
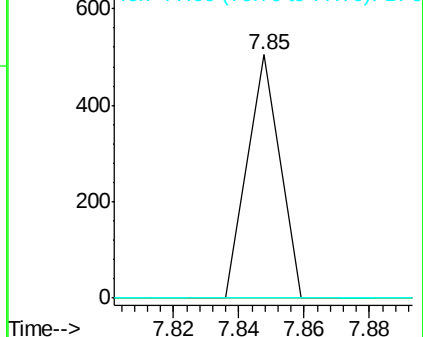


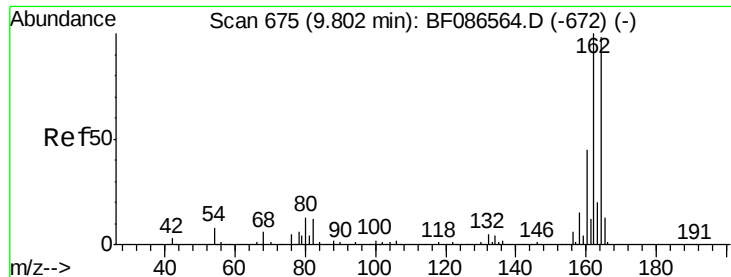
#32  
Benzoic acid  
Concen: 8.82 ng  
RT: 7.85 min Scan# 504  
Delta R.T. -0.04 min  
Lab File: BF086618.D  
Acq: 2 May 2016 15:32

Tgt Ion:122 Resp: 346  
Ion Ratio Lower Upper  
122 100  
105 0.0 92.6 132.6#  
77 0.0 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

Instrument :

BNA\_F

ClientSampleId :

26WARD-3-CS-7(12-25FTBGS)

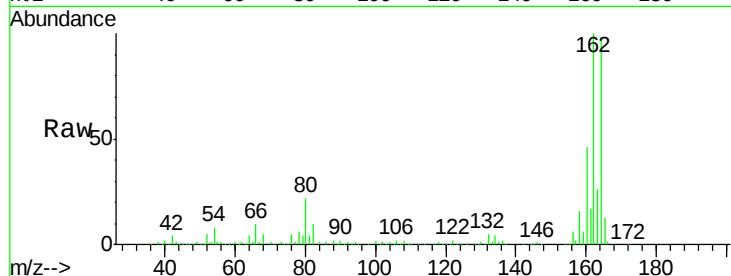
Tgt Ion:164 Resp: 350396

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

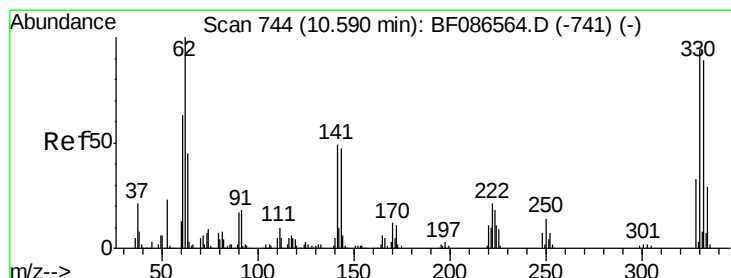
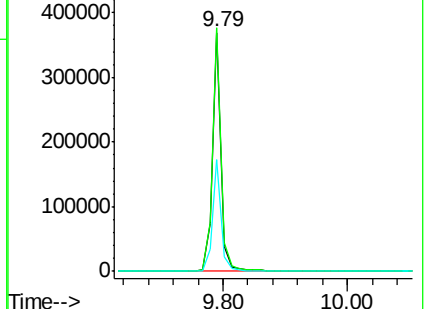
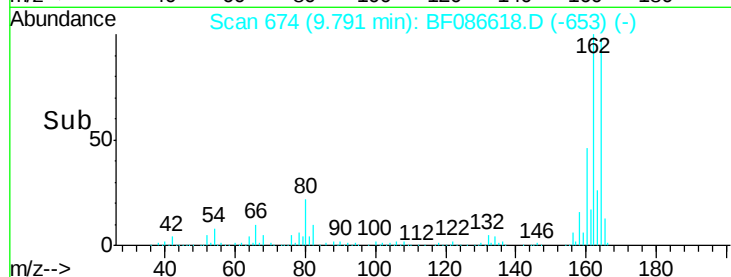
160 46.9 36.9 55.3



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: 128.83 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF086618.D

Acq: 2 May 2016 15:32

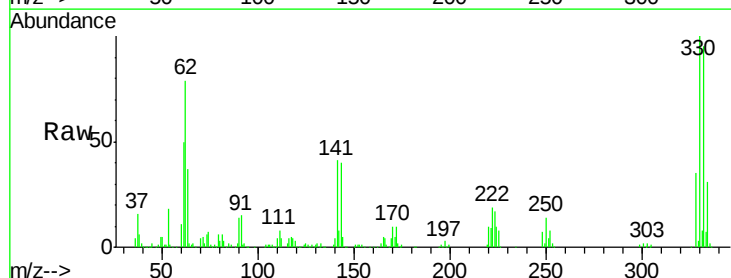
Tgt Ion:330 Resp: 476041

Ion Ratio Lower Upper

330 100

332 95.4 79.0 118.4

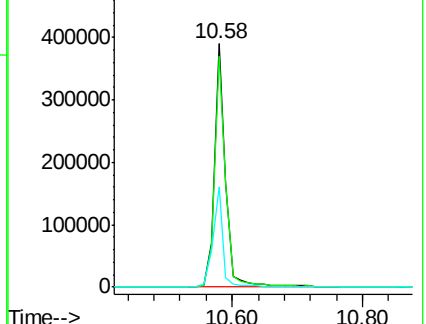
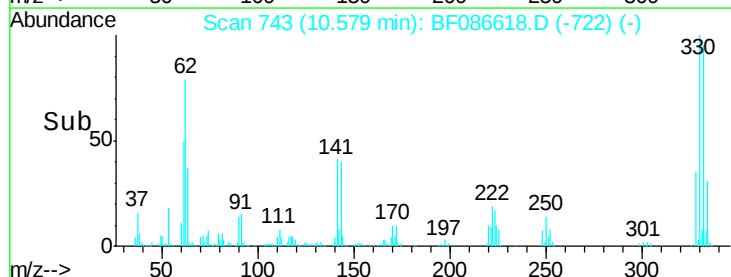
141 37.7 31.2 46.8

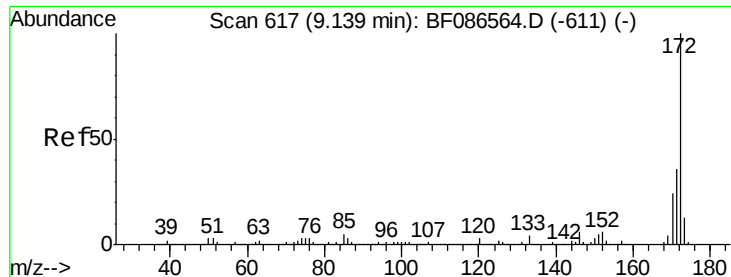


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

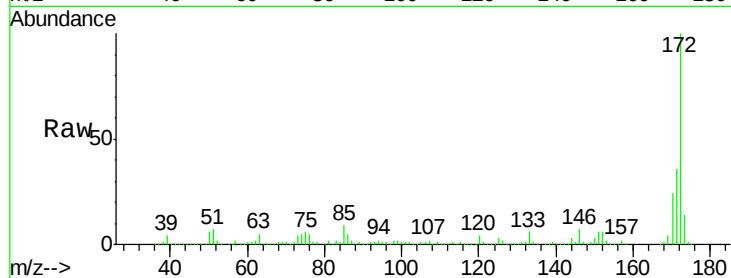




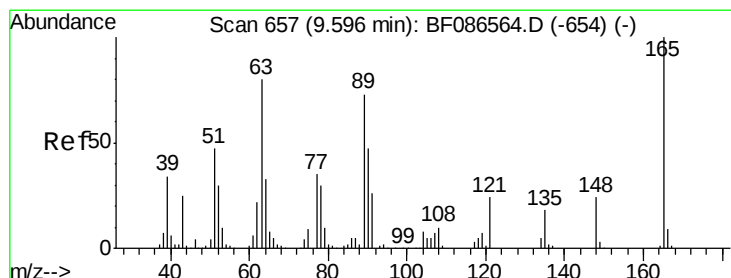
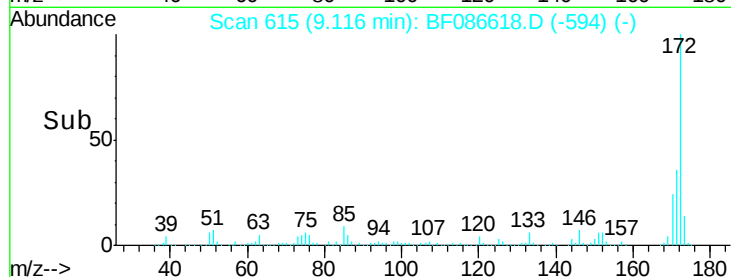
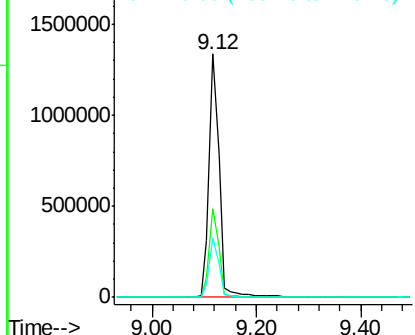
#44  
 2-Fluorobiphenyl  
 Concen: 92.83 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.06 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

Tgt Ion:172 Resp: 1822760  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.0 43.6  
 170 24.4 19.8 29.8

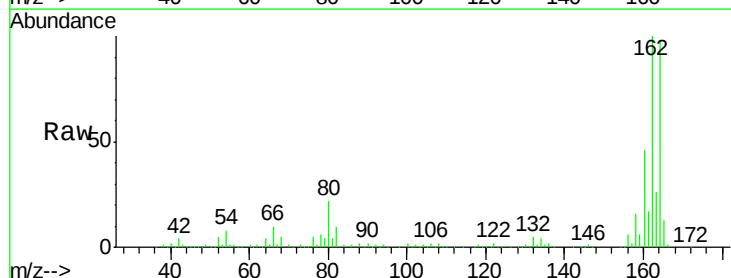


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

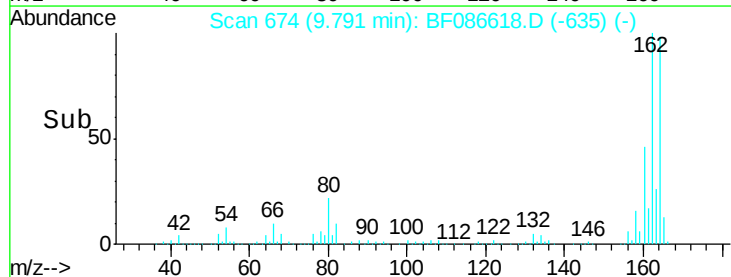
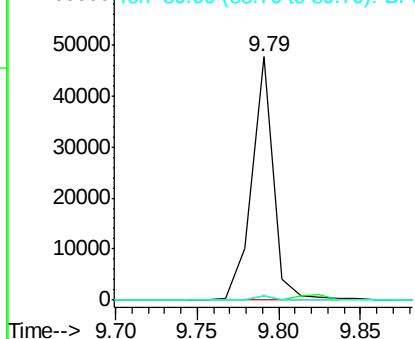


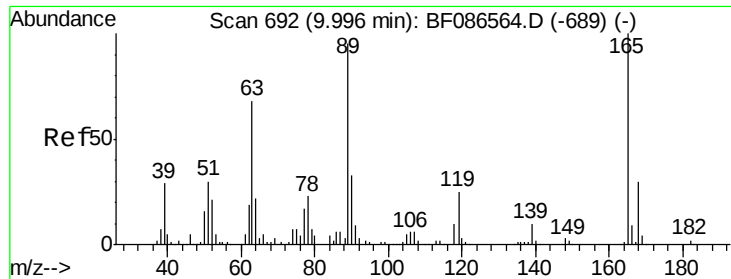
#50  
 2,6-Dinitrotoluene  
 Concen: 8.08 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. 0.15 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Tgt Ion:165 Resp: 44052  
 Ion Ratio Lower Upper  
 165 100  
 63 1.9 51.8 77.8#  
 89 1.8 50.7 76.1#



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

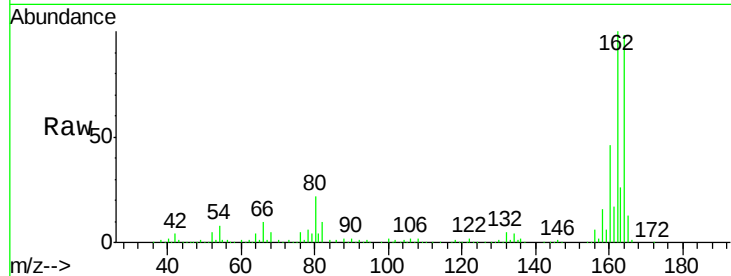




#56  
 2,4-Dinitrotoluene  
 Concen: 6.37 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.25 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 1.9   | 44.3  | 66.5#  |
| 89      | 1.8   | 70.0  | 105.0# |
| 182     | 0.0   | 1.8   | 2.6#   |

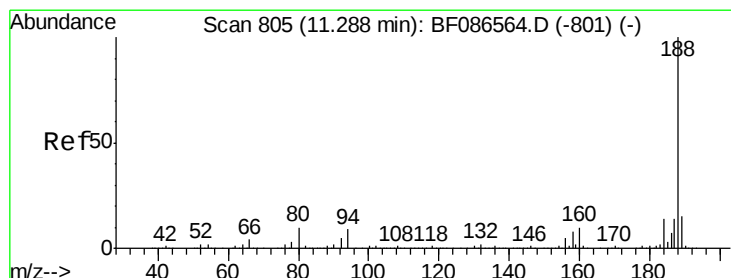
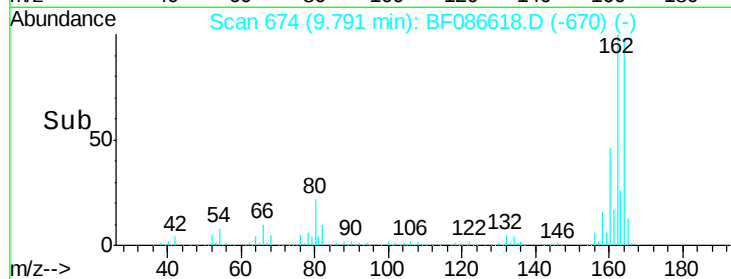
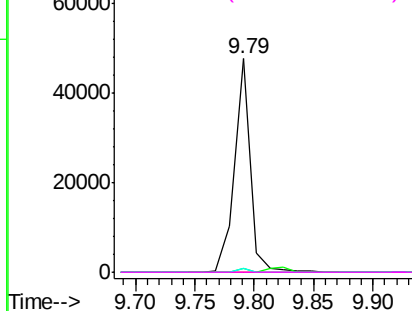


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

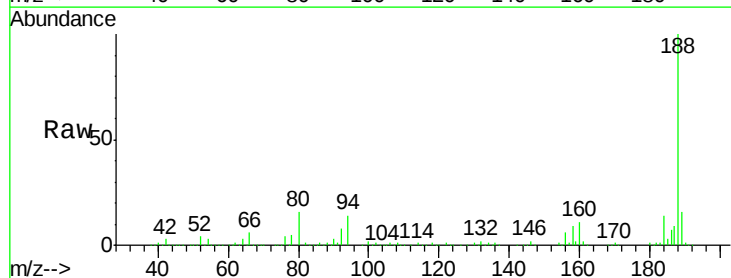
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.26 min Scan# 803  
 Delta R.T. -0.06 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

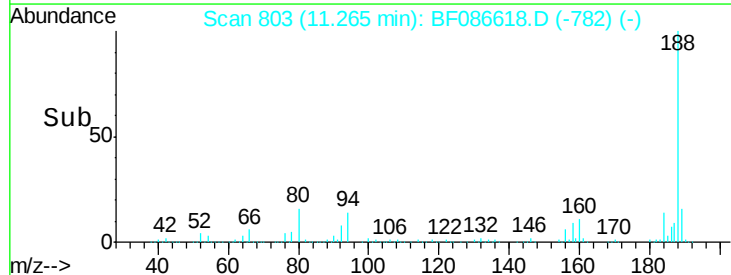
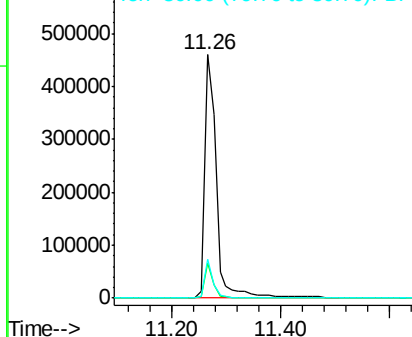
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 14.2  | 6.8   | 10.2# |
| 80      | 16.1  | 7.1   | 10.7# |

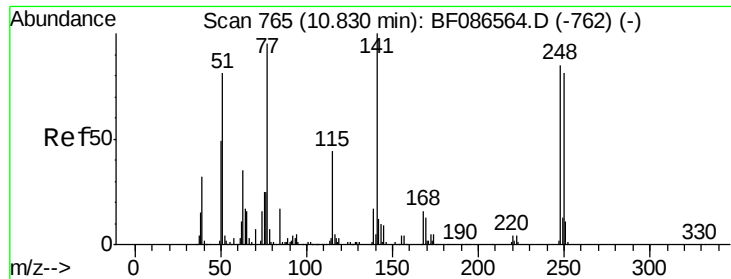


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

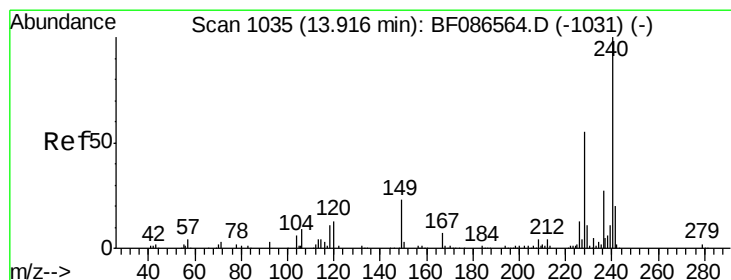
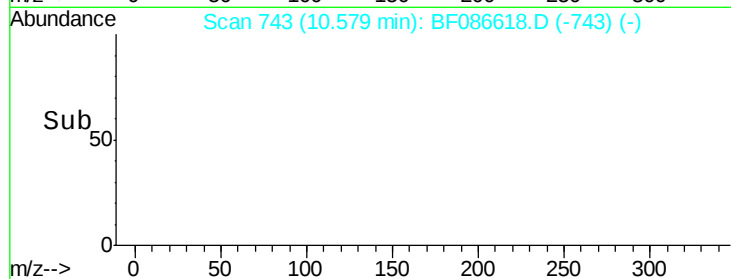
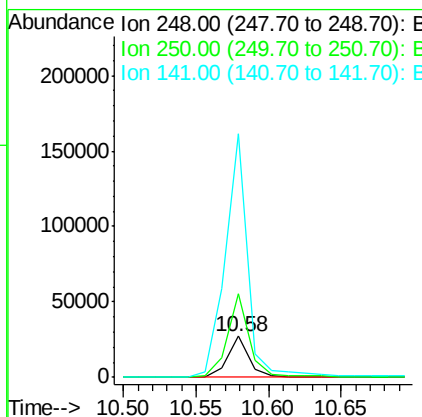
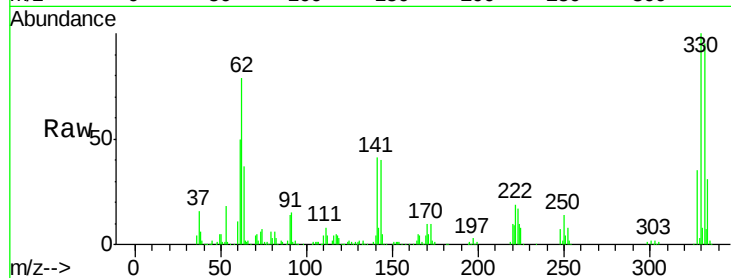




#66  
 4-Bromophenyl-phenylether  
 Concen: 4.10 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.30 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

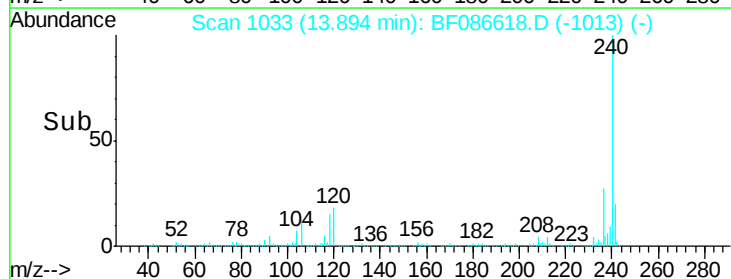
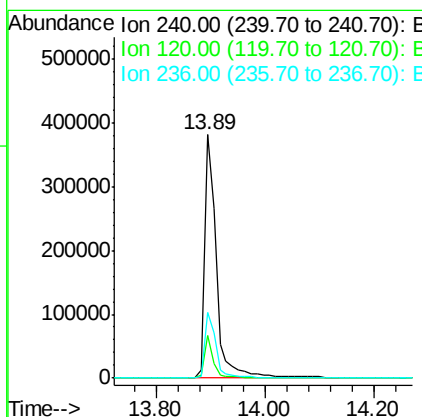
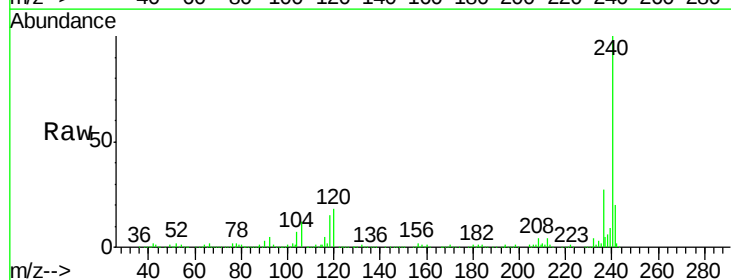
Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

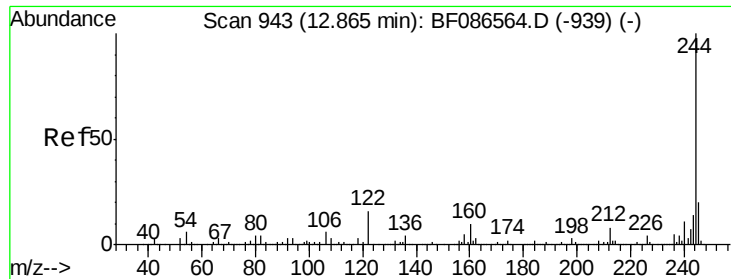
Tgt Ion:248 Resp: 28689  
 Ion Ratio Lower Upper  
 248 100  
 250 203.3 78.6 117.8#  
 141 590.1 76.0 114.0#



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.89 min Scan# 1033  
 Delta R.T. -0.07 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Tgt Ion:240 Resp: 568321  
 Ion Ratio Lower Upper  
 240 100  
 120 17.5 11.2 16.8#  
 236 27.1 21.2 31.8

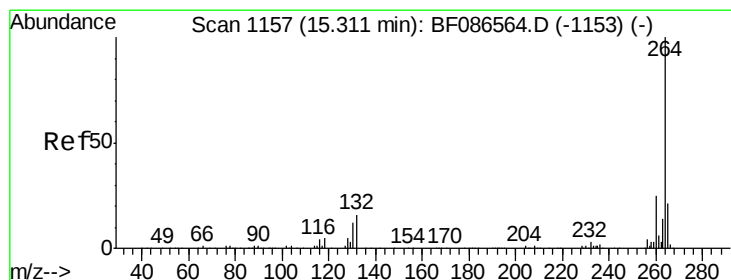
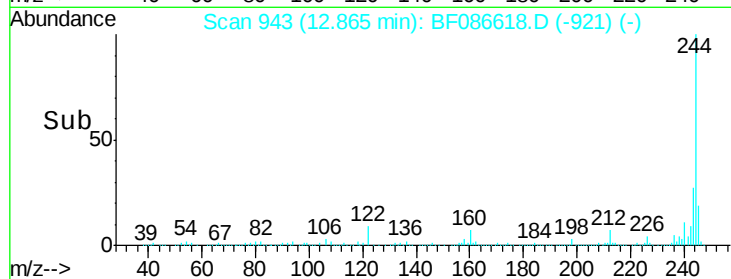
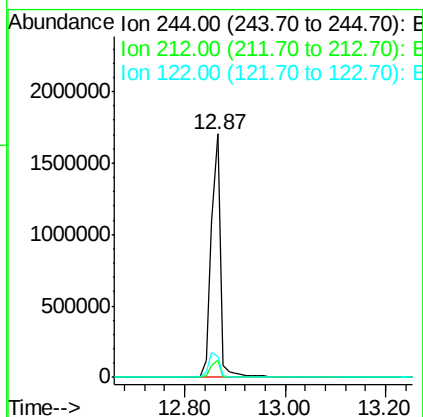
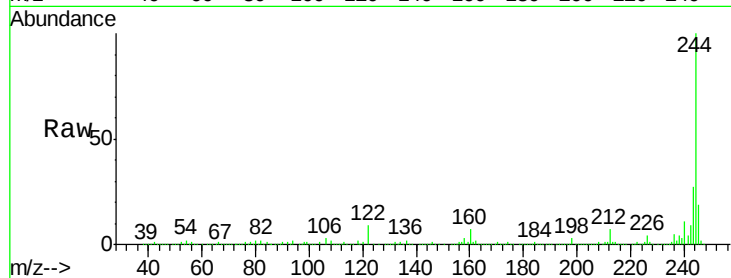




#78  
 Terphenyl-d14  
 Concen: 84.66 ng  
 RT: 12.87 min Scan# 943  
 Delta R.T. -0.05 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26WARD-3-CS-7(12-25FTBGS)

Tgt Ion:244 Resp: 2183927  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.2 9.2  
 122 8.8 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 1155  
 Delta R.T. -0.07 min  
 Lab File: BF086618.D  
 Acq: 2 May 2016 15:32

Tgt Ion:264 Resp: 239729  
 Ion Ratio Lower Upper  
 264 100  
 260 28.0 19.5 29.3  
 265 20.7 17.3 25.9

