

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111315\  
 Data File : BF082926.D  
 Acq On : 14 Nov 2015 6:12  
 Operator : UM/IZ  
 Sample : G4383-03  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELDBLANK-1 11-10-15

Quant Time: Nov 16 00:15:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 07 02:32:49 2015  
 Response via : Initial Calibration

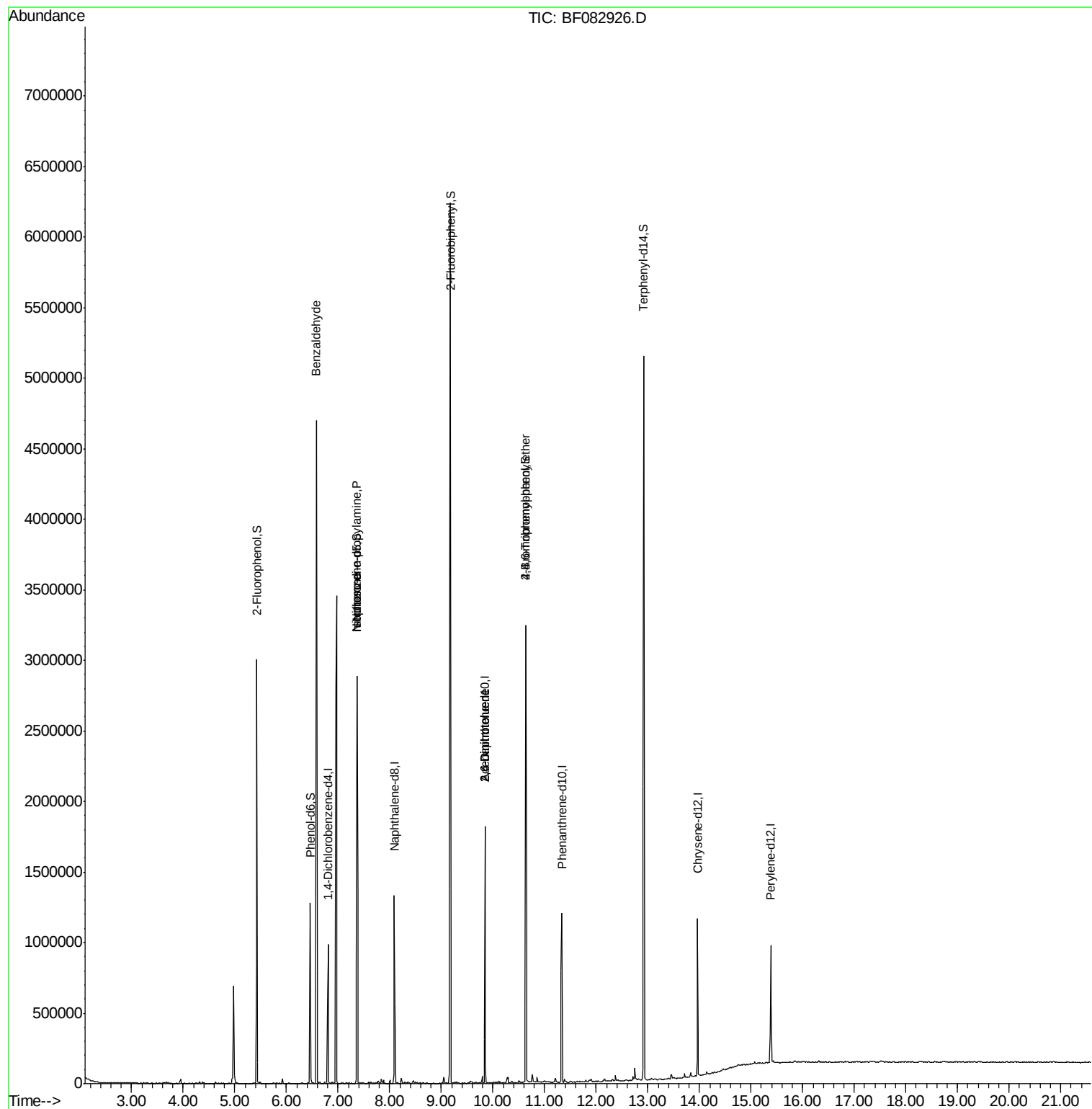
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 182221   | 20.00  | ng    | -0.05     |
| 21) Naphthalene-d8             | 8.09  | 136  | 646963   | 20.00  | ng    | -0.06     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 338540   | 20.00  | ng    | -0.05     |
| 63) Phenanthrene-d10           | 11.33 | 188  | 559817   | 20.00  | ng    | -0.05     |
| 75) Chrysene-d12               | 13.96 | 240  | 379290   | 20.00  | ng    | -0.06     |
| 86) Perylene-d12               | 15.38 | 264  | 394030   | 20.00  | ng    | -0.08     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.42  | 112  | 759932   | 64.89  | ng    | -0.02     |
| 7) Phenol-d6                   | 6.46  | 99   | 637601   | 40.95  | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 1238273  | 83.28  | ng    | -0.04     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 406311   | 104.67 | ng    | -0.04     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 1836183  | 77.74  | ng    | -0.05     |
| 78) Terphenyl-d14              | 12.92 | 244  | 1639766  | 102.54 | ng    | -0.04     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.58  | 77   | 31371    | 3.65   | ng    | Qvalue 84 |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 164629   | 14.38  | ng    | # 70      |
| 25) Isophorone                 | 7.37  | 82   | 1230370  | 44.72  | ng    | # 69      |
| 50) 2,6-Dinitrotoluene         | 9.85  | 165  | 43567    | 7.36   | ng    | # 17      |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 43569    | 5.43   | ng    | # 15      |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 25870    | 3.84   | ng    | # 1       |

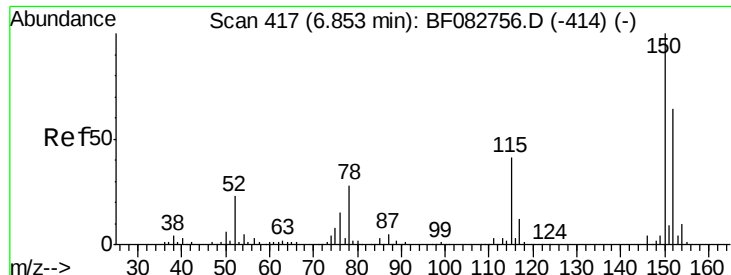
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1 11-10-15

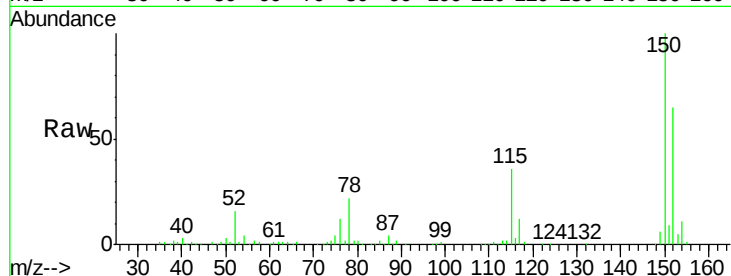
Tgt Ion:152 Resp: 182221

Ion Ratio Lower Upper

152 100

150 153.6 127.0 190.4

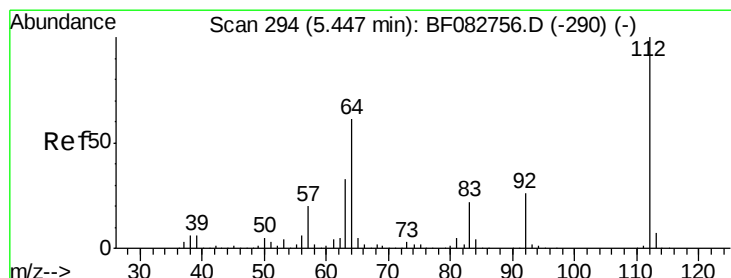
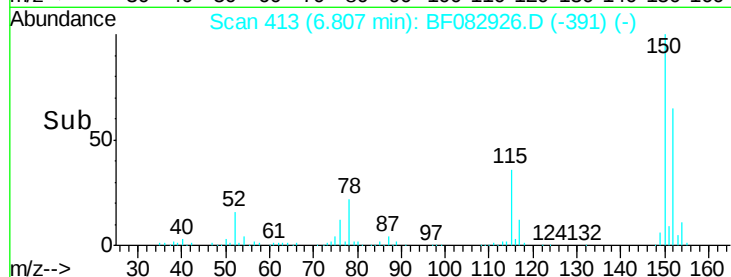
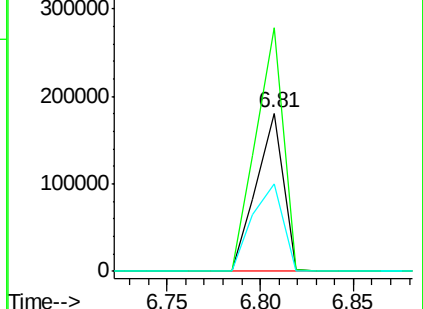
115 55.5 47.0 70.6



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: 64.89 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

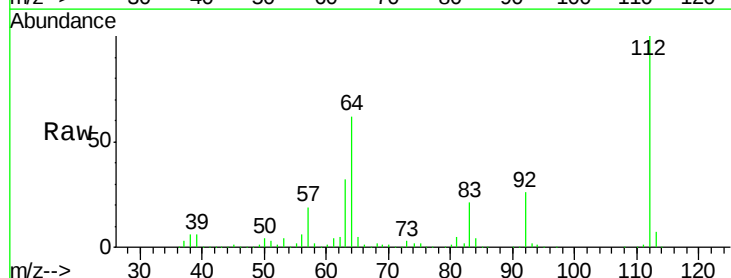
Tgt Ion:112 Resp: 759932

Ion Ratio Lower Upper

112 100

64 62.4 48.9 73.3

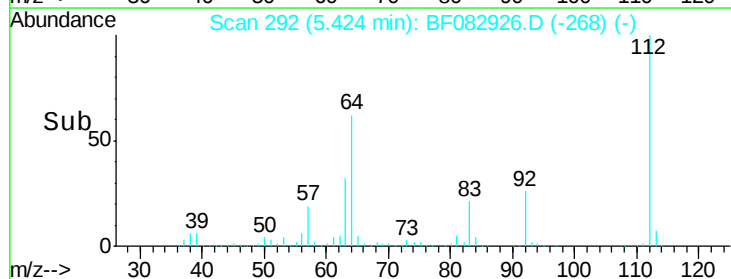
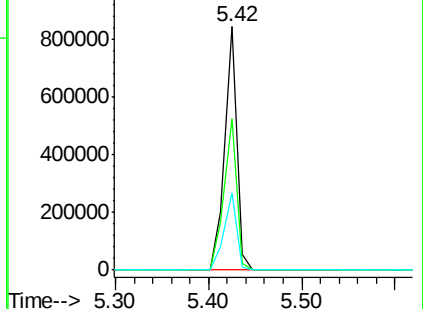
63 31.8 28.1 42.1

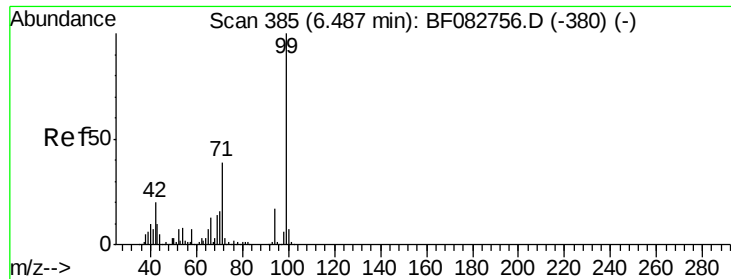


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.95 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

Instrument :

BNA\_F

ClientSampleId :

FIELD BLANK-1 11-10-15

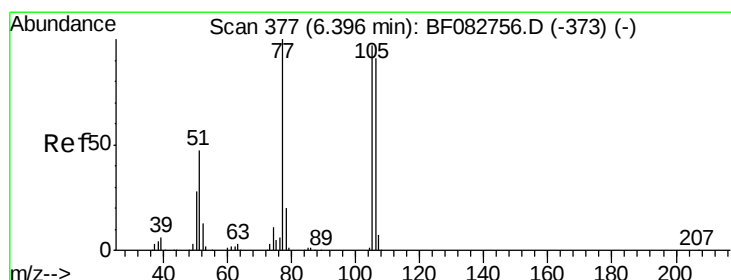
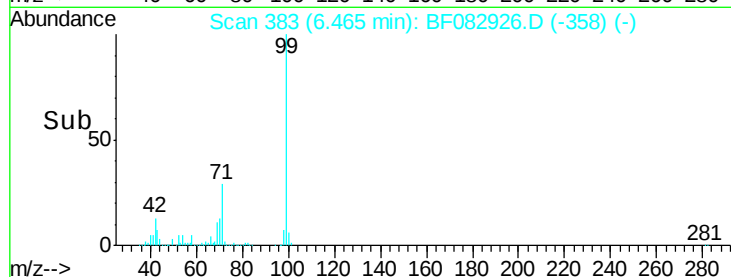
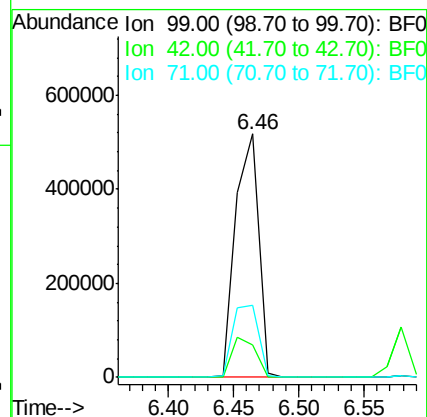
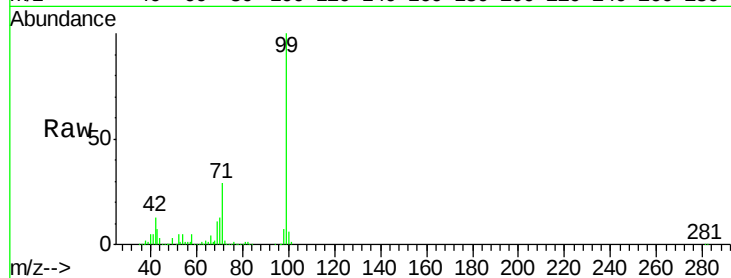
Tgt Ion: 99 Resp: 637601

Ion Ratio Lower Upper

99 100

42 13.3 19.2 28.8#

71 29.4 35.0 52.4#



#9

Benzaldehyde

Concen: 3.65 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.18 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

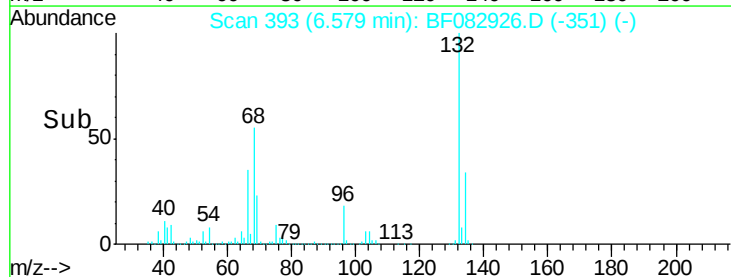
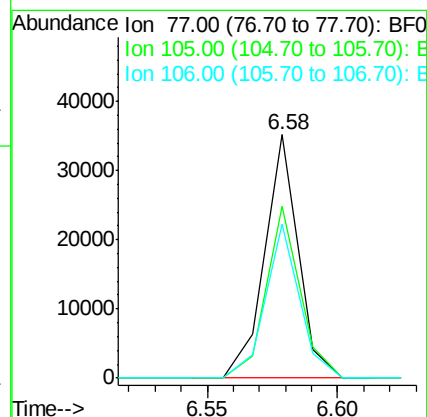
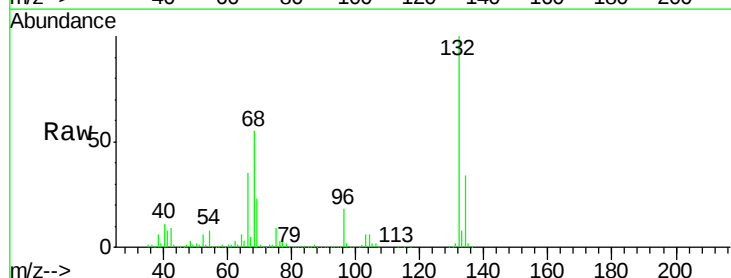
Tgt Ion: 77 Resp: 31371

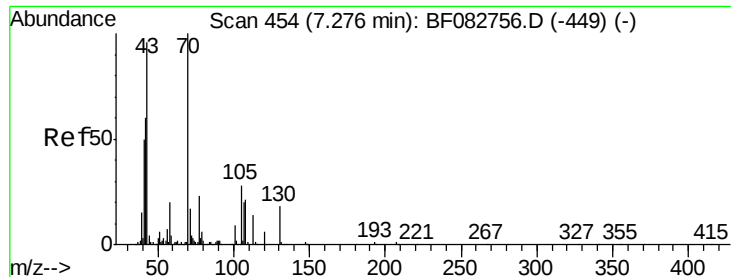
Ion Ratio Lower Upper

77 100

105 70.8 63.5 103.5

106 63.0 59.3 99.3

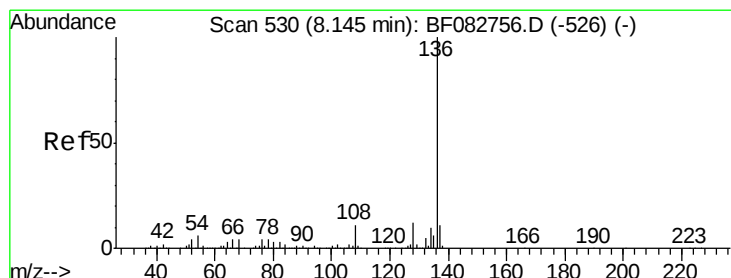
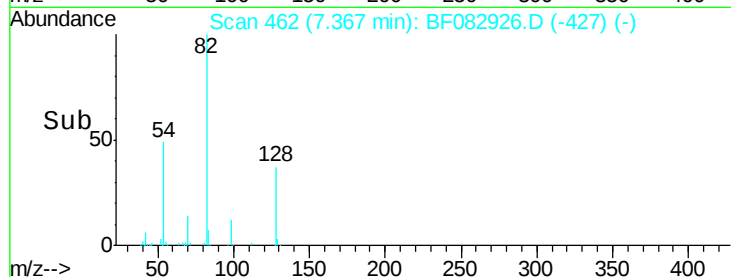
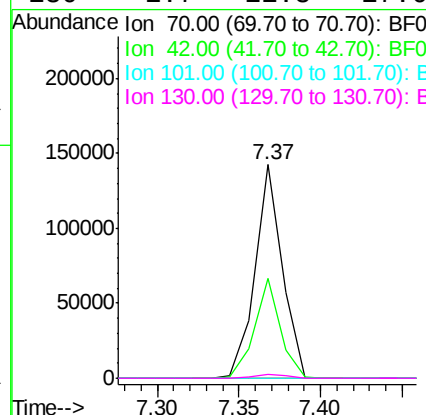
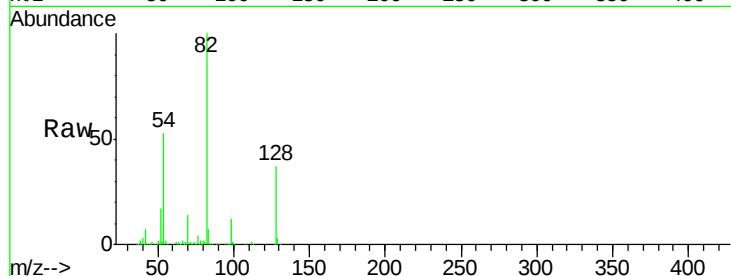




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.38 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.10 min  
Lab File: BF082926.D  
Acq: 14 Nov 2015 6:12

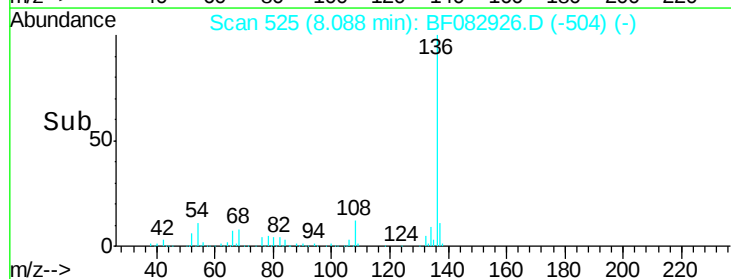
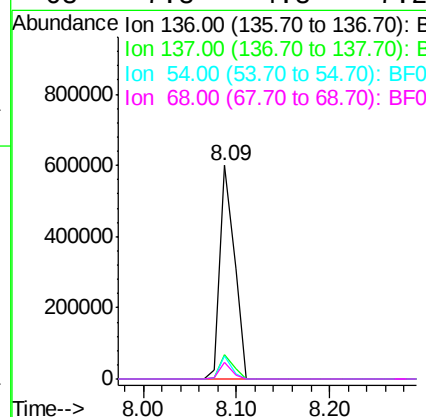
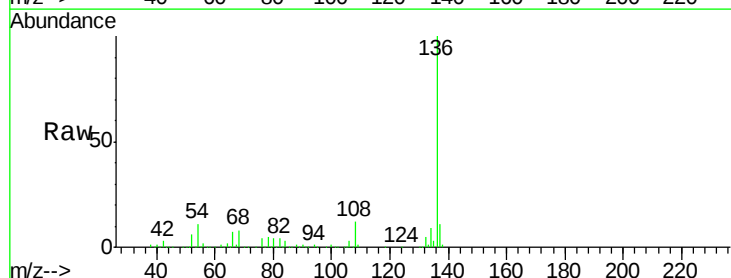
Instrument :  
BNA\_F  
ClientSampleId :  
FIELDBLANK-1 11-10-15

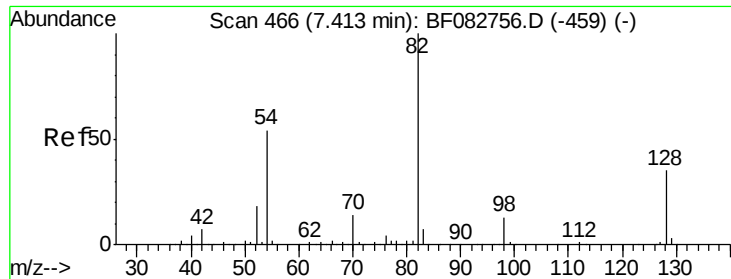
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 164629 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.9  | 57.7  | 86.5#  |
| 101      | 0.0   | 7.0   | 10.6#  |
| 130      | 1.7   | 11.8  | 17.6#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.06 min  
Lab File: BF082926.D  
Acq: 14 Nov 2015 6:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 646963 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 9.1   | 13.7   |
| 54       | 10.8  | 9.1   | 13.7   |
| 68       | 7.8   | 4.8   | 7.2#   |

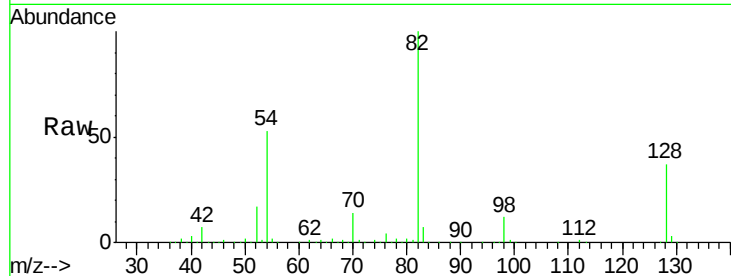




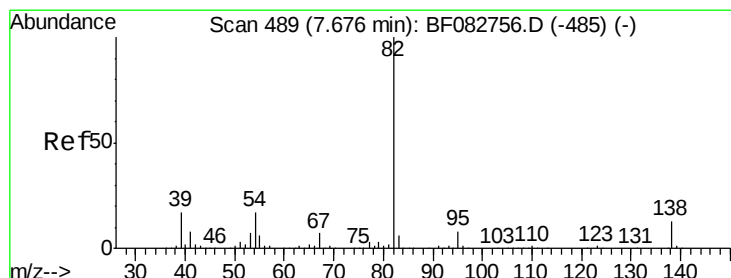
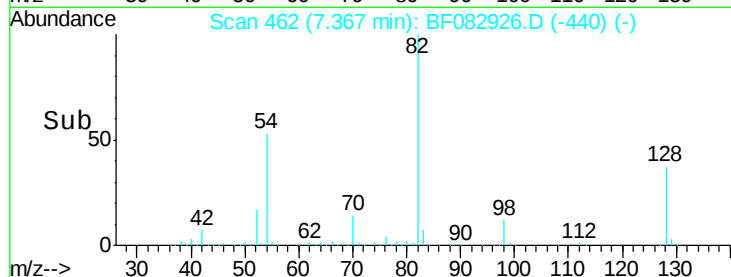
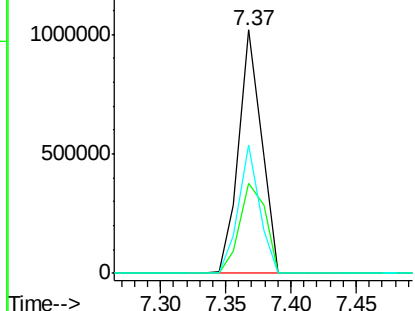
#23  
 Nitrobenzene-d5  
 Concen: 83.28 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.04 min  
 Lab File: BF082926.D  
 Acq: 14 Nov 2015 6:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FIELDBLANK-1 11-10-15

Tgt Ion: 82 Resp: 1238273  
 Ion Ratio Lower Upper  
 82 100  
 128 37.1 26.8 40.2  
 54 53.0 45.7 68.5

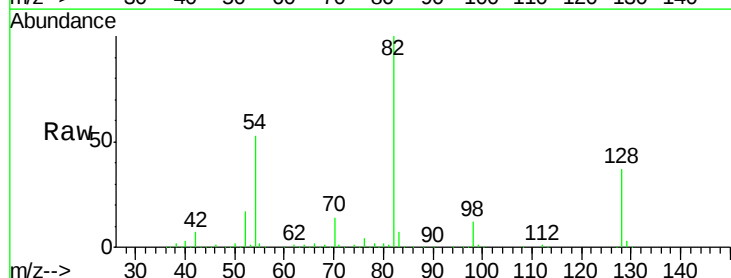


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

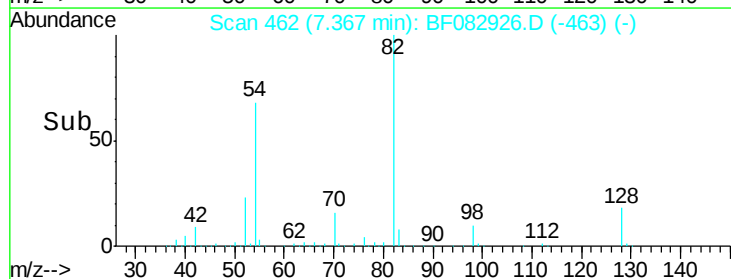
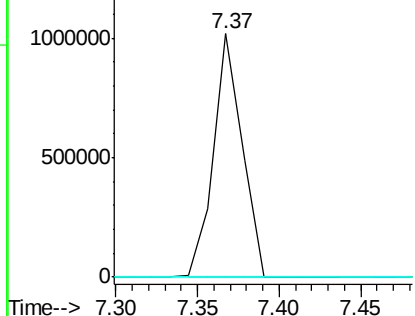


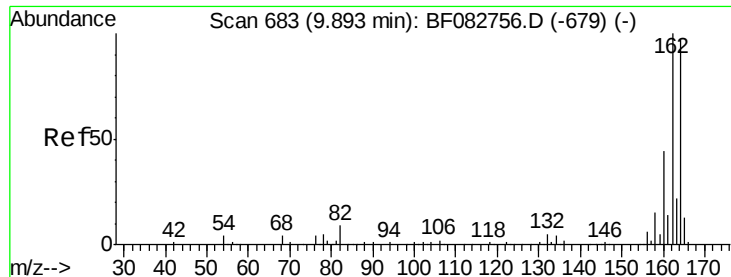
#25  
 Isophorone  
 Concen: 44.72 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.31 min  
 Lab File: BF082926.D  
 Acq: 14 Nov 2015 6:12

Tgt Ion: 82 Resp: 1230370  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.6 9.8#  
 138 0.0 11.4 17.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1 11-10-15

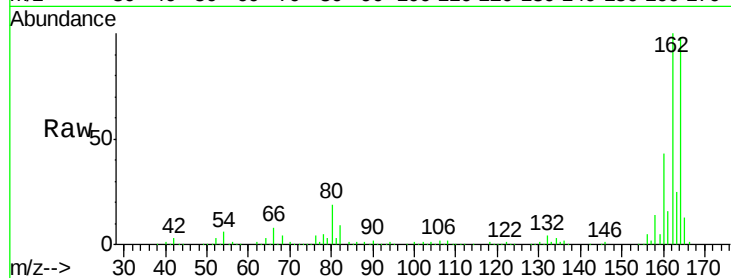
Tgt Ion:164 Resp: 338540

Ion Ratio Lower Upper

164 100

162 102.1 84.9 127.3

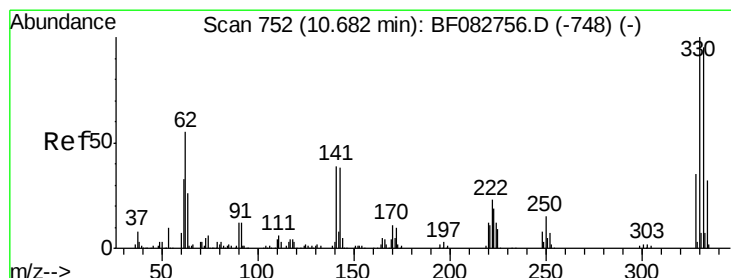
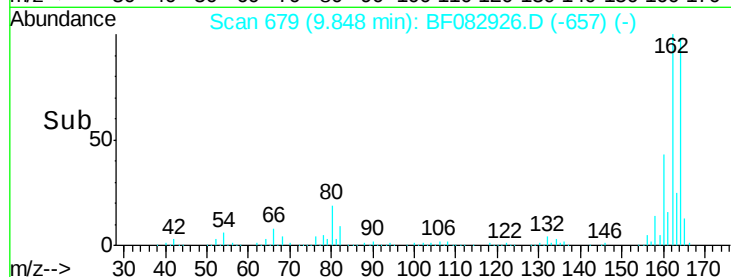
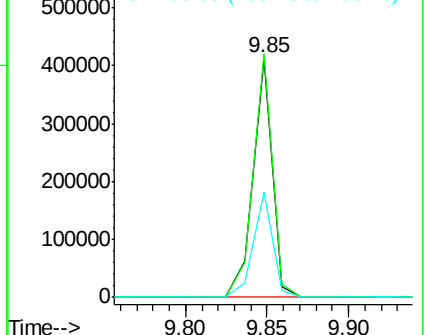
160 44.4 37.5 56.3



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: 104.67 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.04 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

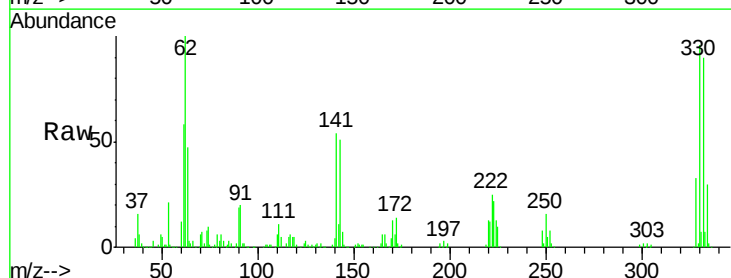
Tgt Ion:330 Resp: 406311

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

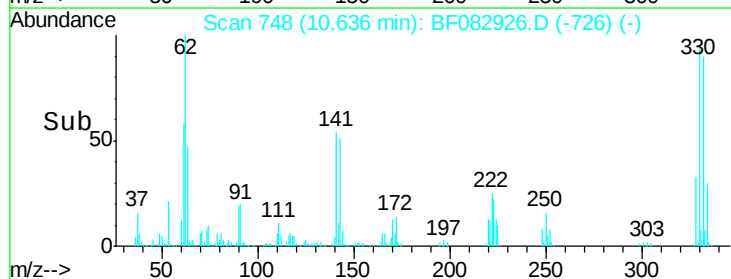
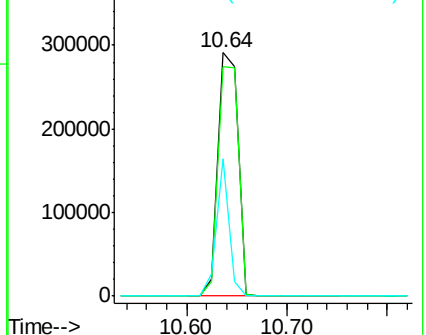
141 35.5 41.2 61.8#

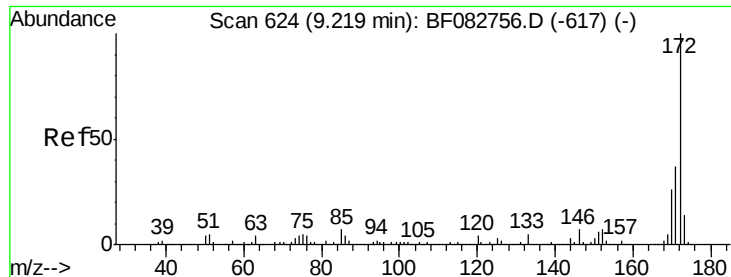


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

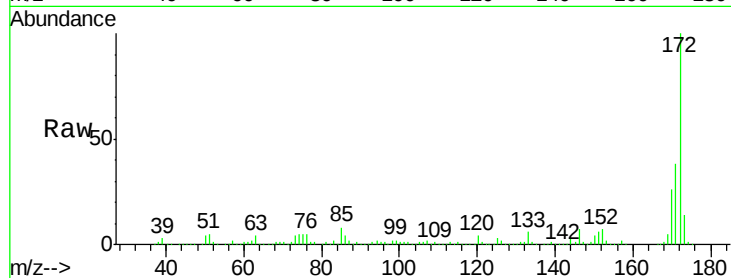




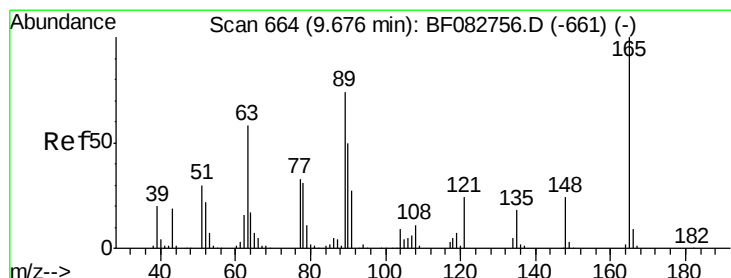
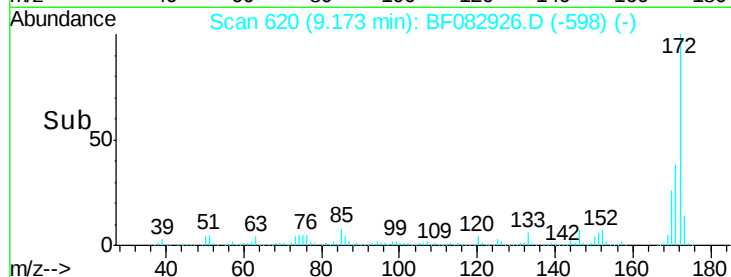
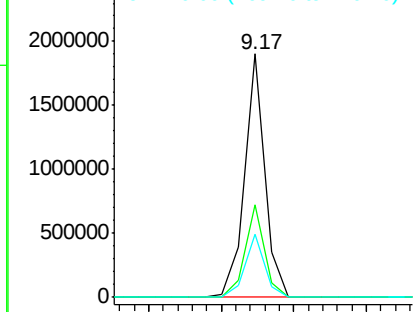
#44  
 2-Fluorobiphenyl  
 Concen: 77.74 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. -0.05 min  
 Lab File: BF082926.D  
 Acq: 14 Nov 2015 6:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:172 Resp: 1836183  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.8 46.2  
 170 25.7 21.2 31.8

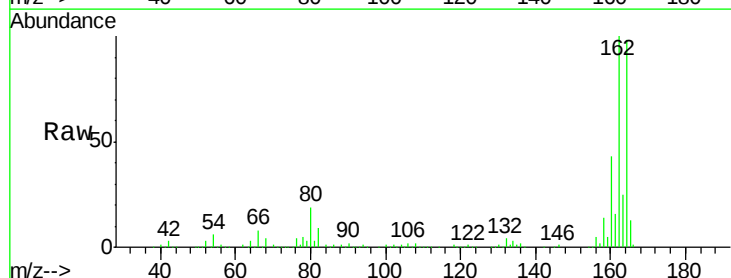


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

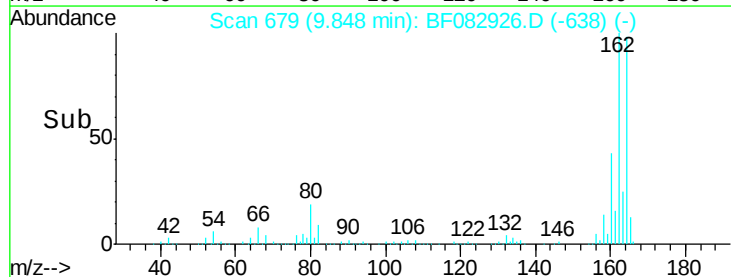
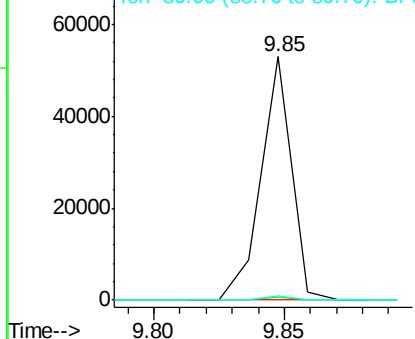


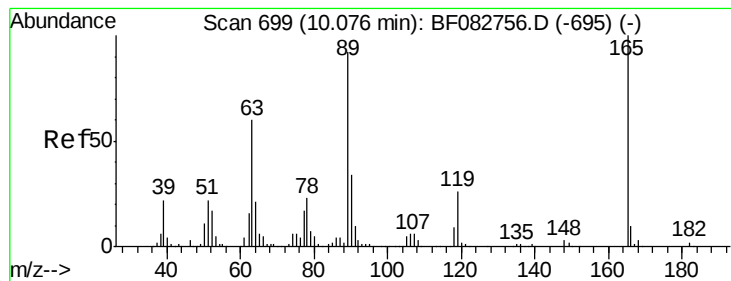
#50  
 2,6-Dinitrotoluene  
 Concen: 7.36 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. 0.17 min  
 Lab File: BF082926.D  
 Acq: 14 Nov 2015 6:12

Tgt Ion:165 Resp: 43567  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 55.5 83.3#  
 89 1.6 55.0 82.6#



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





#56

2,4-Dinitrotoluene

Concen: 5.43 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.23 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1 11-10-15

Tgt Ion:165 Resp: 43569

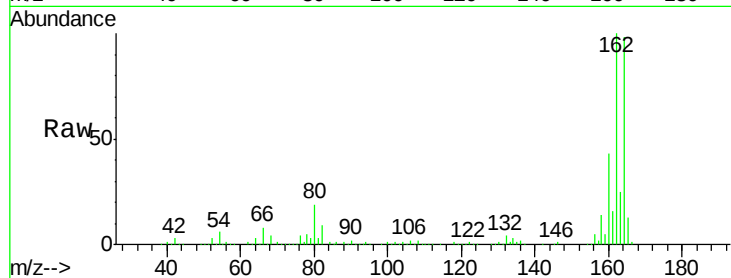
Ion Ratio Lower Upper

165 100

63 1.5 43.4 65.0#

89 1.6 70.6 106.0#

182 0.0 1.5 2.3#

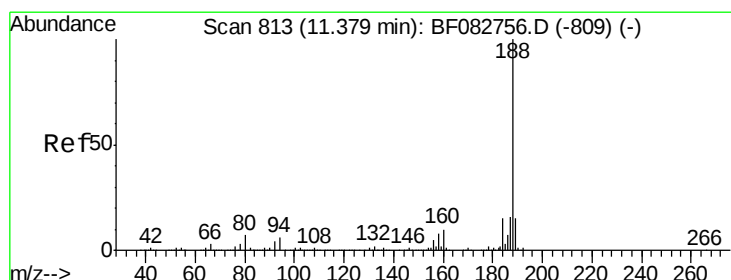
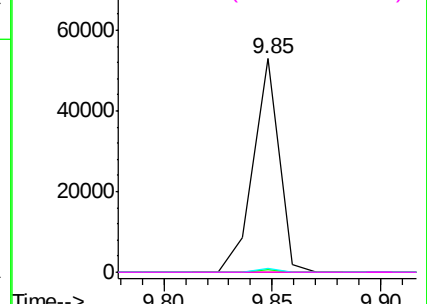
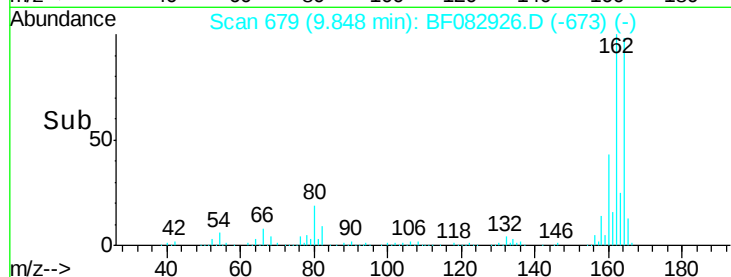


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

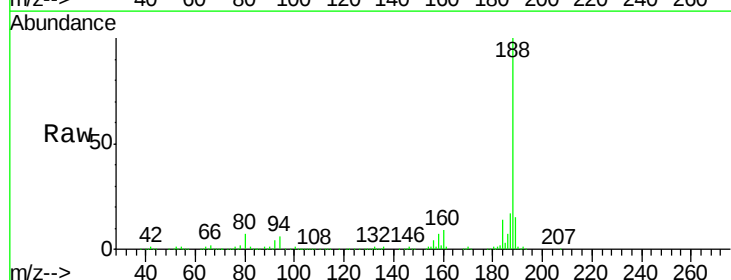
Tgt Ion:188 Resp: 559817

Ion Ratio Lower Upper

188 100

94 6.4 6.1 9.1

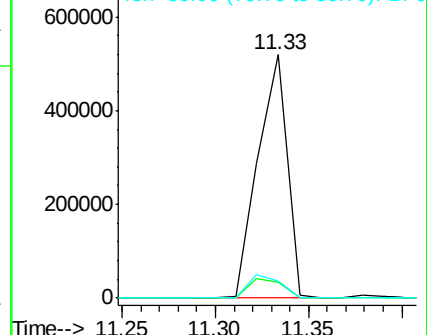
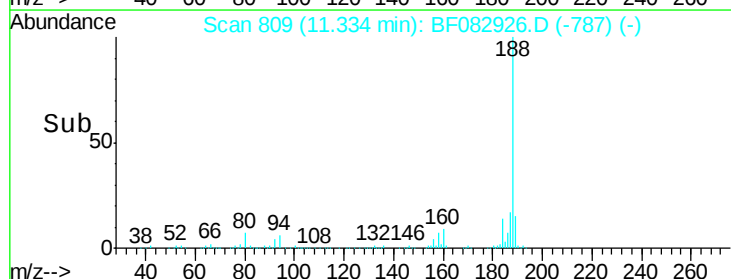
80 7.0 7.0 10.6#

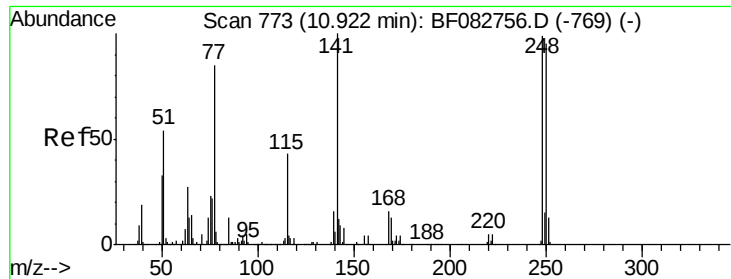


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

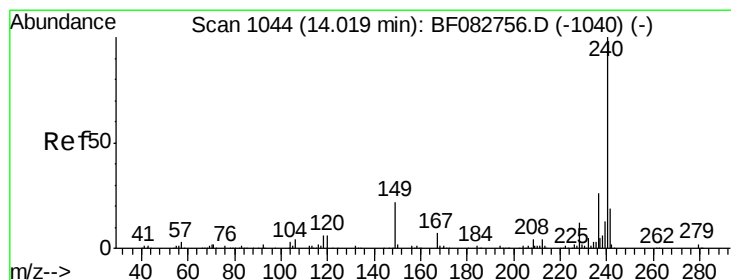
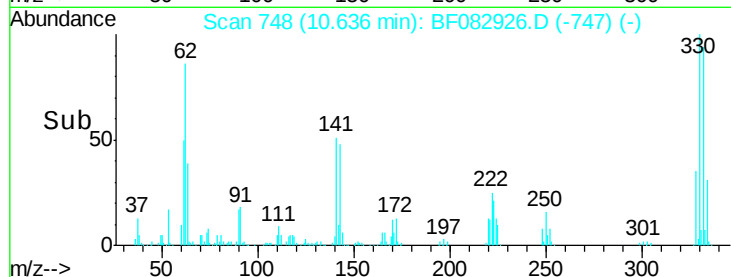
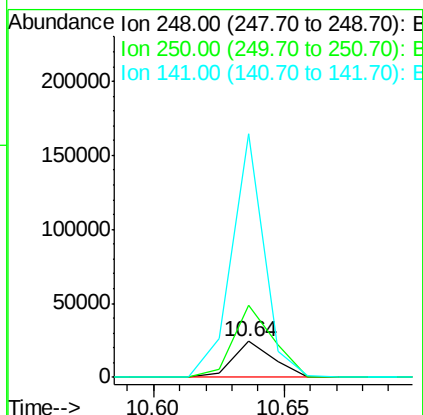
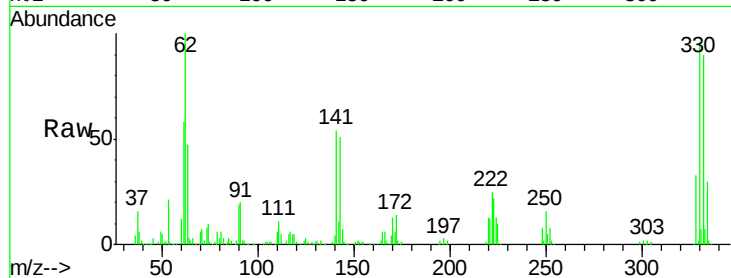




#66  
4-Bromophenyl-phenylether  
Concen: 3.84 ng  
RT: 10.64 min Scan# 748  
Delta R.T. -0.29 min  
Lab File: BF082926.D  
Acq: 14 Nov 2015 6:12

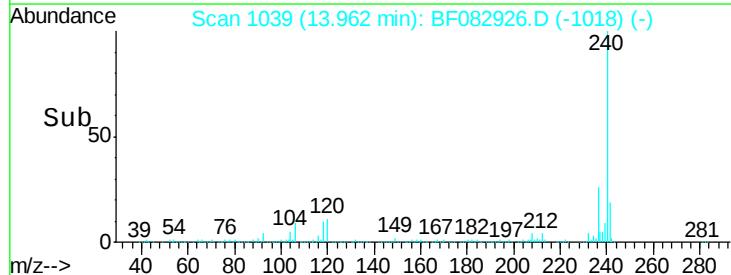
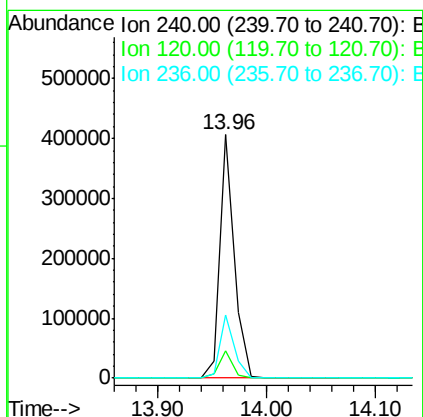
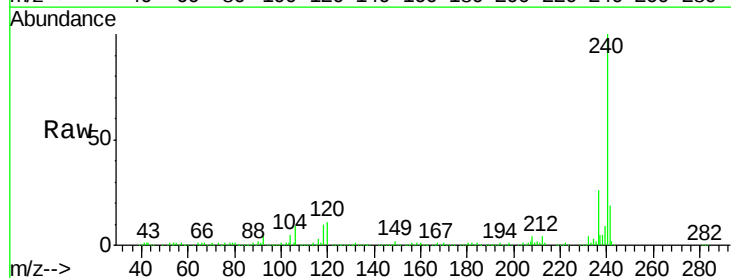
Instrument :  
BNA\_F  
ClientSampleId :  
FIELDBLANK-1 11-10-15

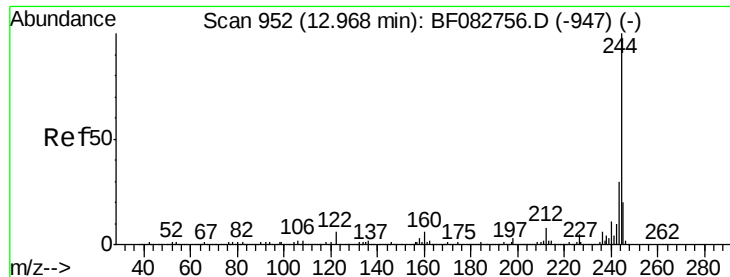
Tgt Ion:248 Resp: 25870  
Ion Ratio Lower Upper  
248 100  
250 199.1 79.4 119.2#  
141 678.1 36.3 54.5#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.96 min Scan# 1039  
Delta R.T. -0.06 min  
Lab File: BF082926.D  
Acq: 14 Nov 2015 6:12

Tgt Ion:240 Resp: 379290  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.9 16.3  
236 25.7 21.6 32.4





#78

Terphenyl-d14

Concen: 102.54 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

Instrument :

BNA\_F

ClientSampleId :

FIELDBLANK-1 11-10-15

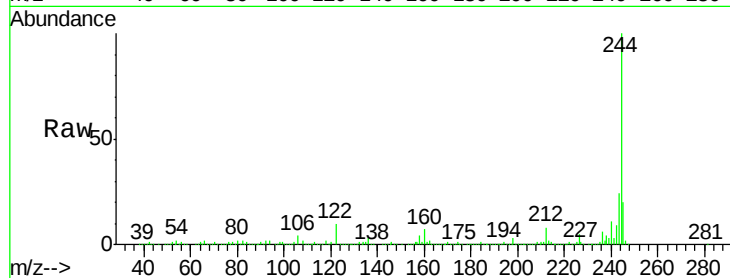
Tgt Ion:244 Resp: 1639766

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

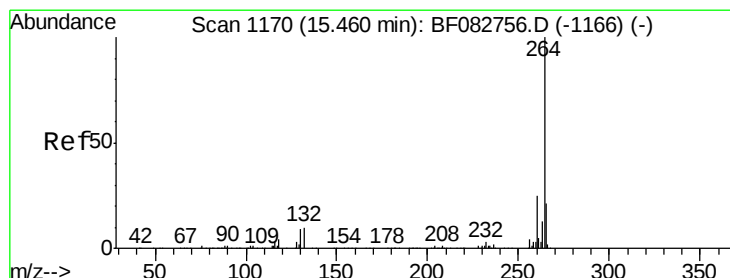
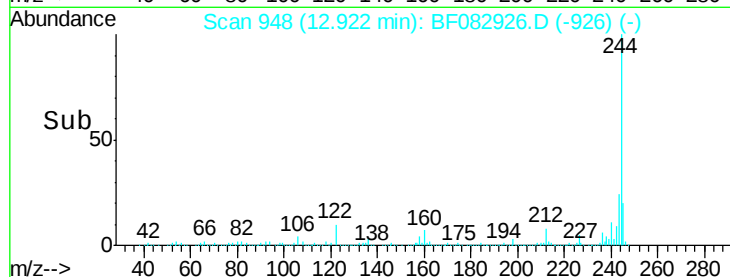
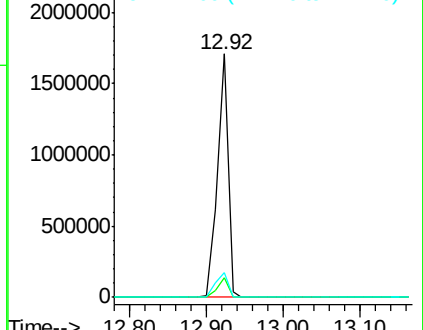
122 10.2 11.3 16.9#



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: 15.38 min Scan# 1163

Delta R.T. -0.08 min

Lab File: BF082926.D

Acq: 14 Nov 2015 6:12

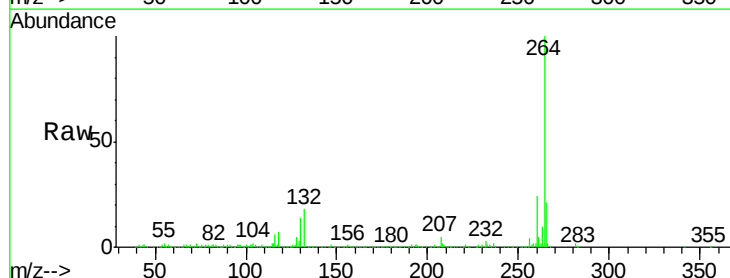
Tgt Ion:264 Resp: 394030

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 20.6 17.4 26.0



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

