

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\  
 Data File : BF082411.D  
 Acq On : 21 Oct 2015 18:32  
 Operator : UM/IZ  
 Sample : G4097-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

Quant Time: Oct 22 10:15:27 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 13:20:24 2015  
 Response via : Initial Calibration

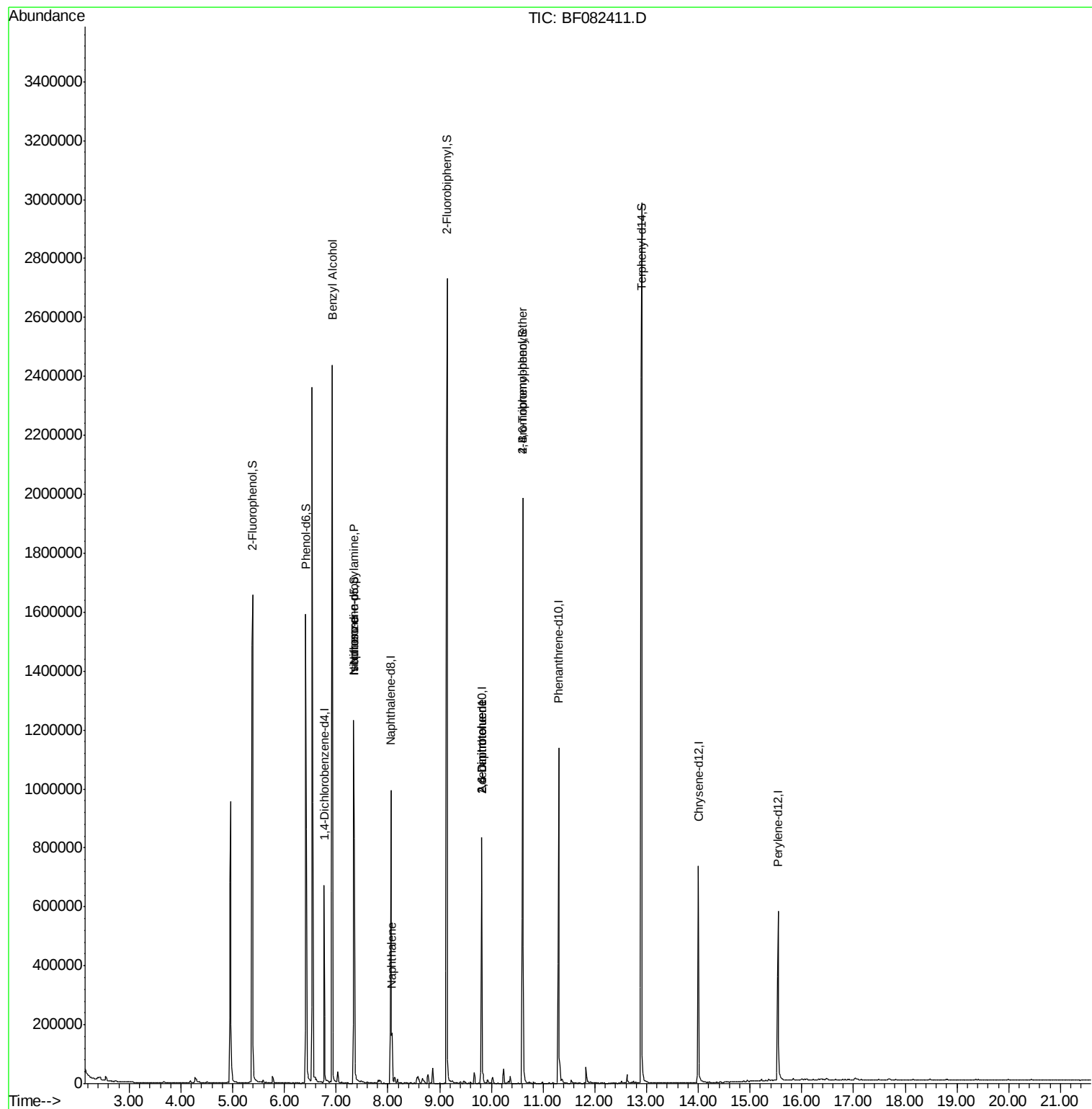
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 115635   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.06  | 136  | 470291   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.82  | 164  | 236160   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 491367   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.00 | 240  | 429355   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.54 | 264  | 300170   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 696121   | 121.50 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.41  | 99   | 737494   | 98.91  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 593389   | 84.73  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.61 | 330  | 242675   | 109.57 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1320827  | 92.75  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.90 | 244  | 1378238  | 85.06  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.93  | 79   | 10683    | 2.08   | ng    | # 51     |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 76673    | 14.64  | ng    | # 79     |
| 25) Isophorone                 | 7.34  | 82   | 532209   | 37.65  | ng    | # 66     |
| 31) Naphthalene                | 8.08  | 128  | 80786    | 3.96   | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.82  | 165  | 30153    | 8.59   | ng    | # 33     |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 30153    | 6.88   | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.61 | 248  | 18217    | 3.70   | ng    | # 1      |

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

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\  
Data File : BF082411.D  
Acq On : 21 Oct 2015 18:32  
Operator : UM/IZ  
Sample : G4097-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MC-MASTER-WALL-SOIL-EAST

Quant Time: Oct 22 10:15:27 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 21 13:20:24 2015  
Response via : Initial Calibration



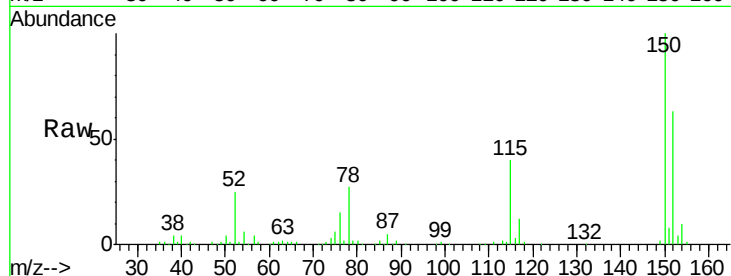


#1

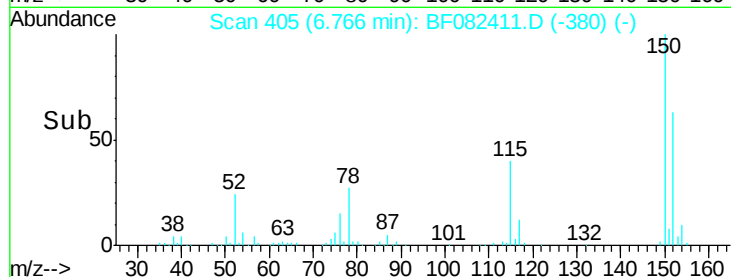
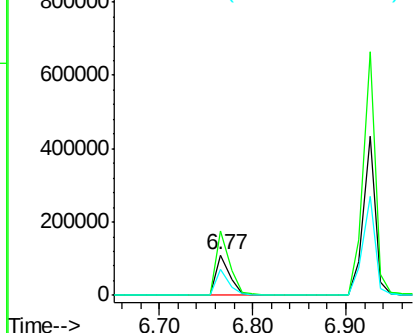
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

Instrument :  
BNA\_F  
ClientSampleId :  
MC-MASTER-WALL-SOIL-EAST

Tot Ion:152 Resp: 115635  
Ion Ratio Lower Upper  
152 100  
150 158.5 129.0 193.4  
115 63.5 52.1 78.1



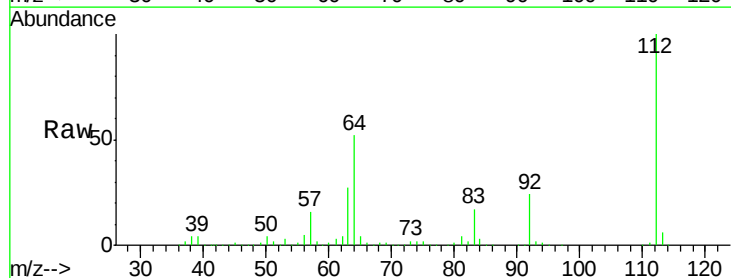
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



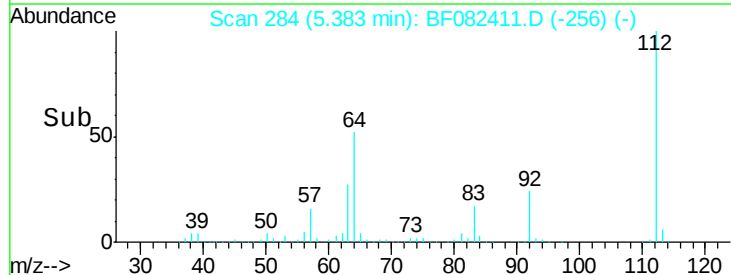
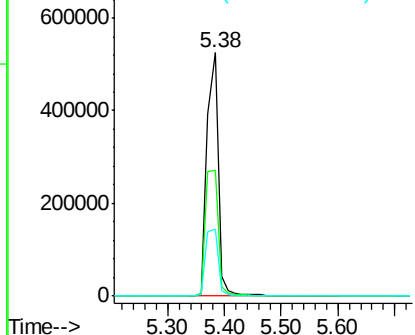
#5

2-Fluorophenol  
Concen: 121.50 ng  
RT: 5.38 min Scan# 284  
Delta R.T. 0.02 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

Tgt Ion:112 Resp: 696121  
Ion Ratio Lower Upper  
112 100  
64 51.8 48.6 73.0  
63 27.3 25.1 37.7



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: 98.91 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082411.D

Acq: 21 Oct 2015 18:32

Instrument :

BNA\_F

ClientSampleId :

MC-MASTER-WALL-SOIL-EAST

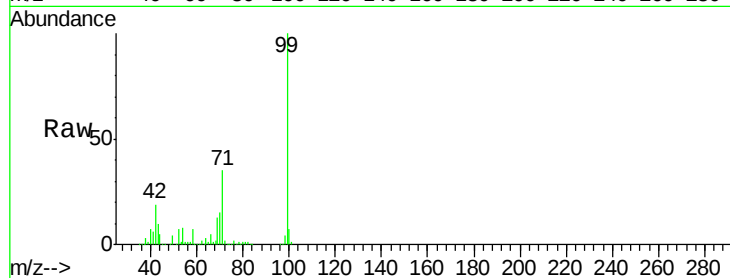
Tot Ion: 99 Resp: 737494

Ion Ratio Lower Upper

99 100

42 19.1 13.2 19.8

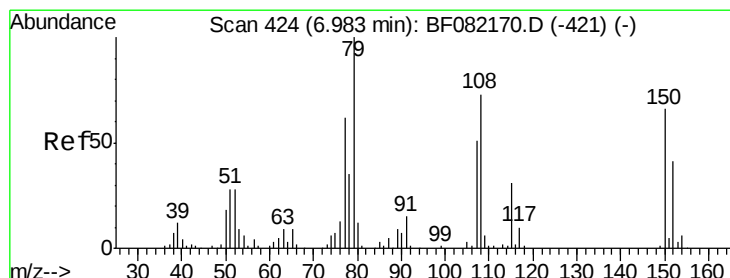
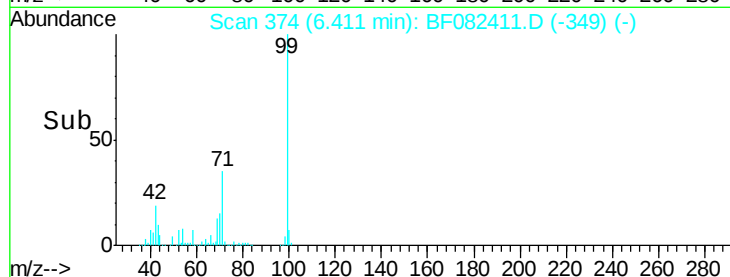
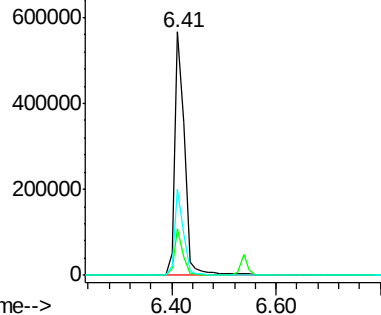
71 35.4 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082411.D

Acq: 21 Oct 2015 18:32

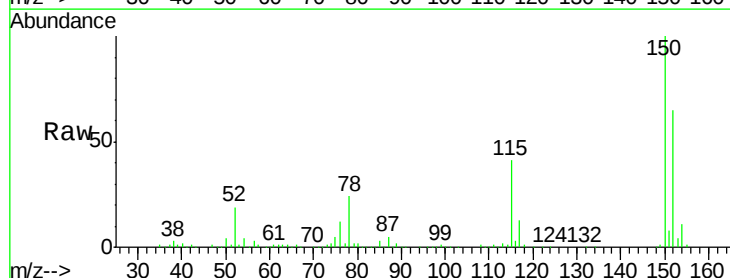
Tgt Ion: 79 Resp: 10683

Ion Ratio Lower Upper

79 100

108 31.0 58.4 87.6#

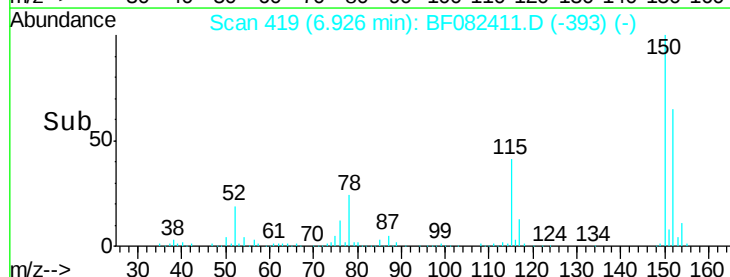
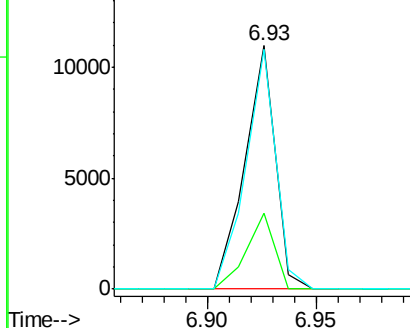
77 98.6 49.8 74.6#

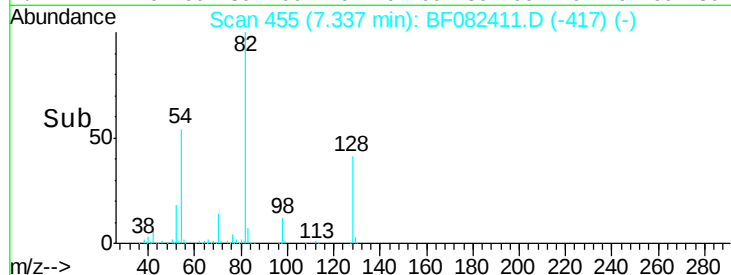
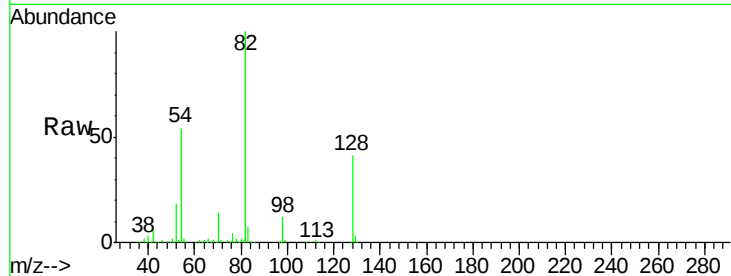
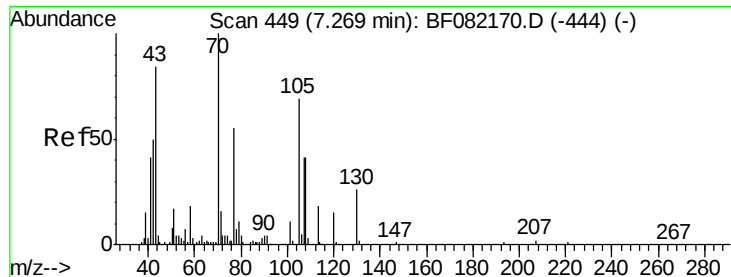


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

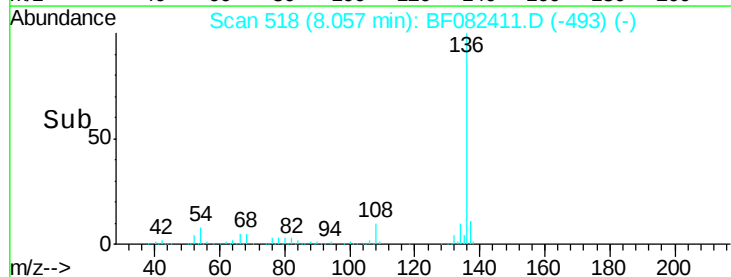
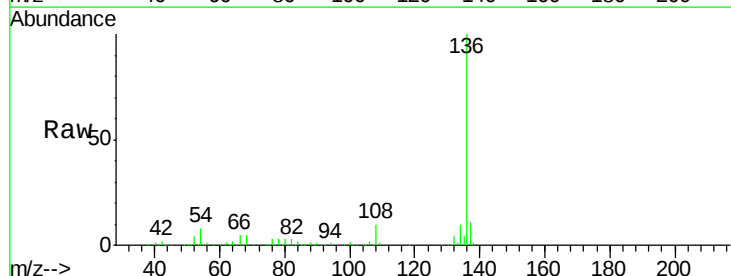
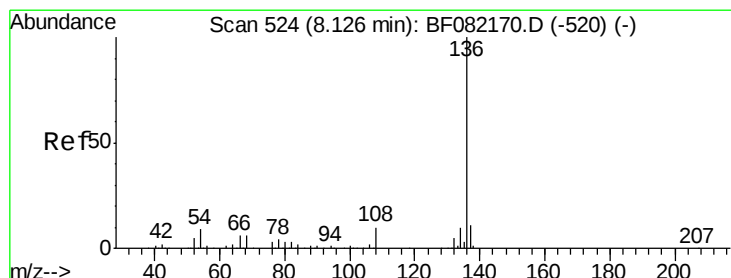
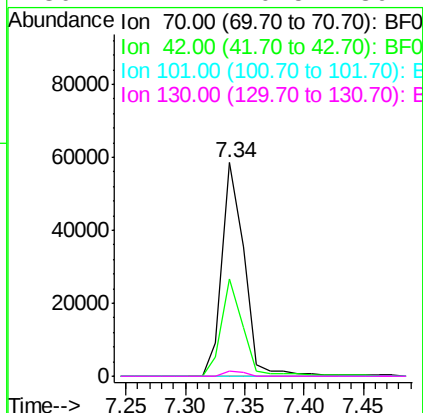




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.64 ng  
RT: 7.34 min Scan# 455  
Delta R.T. 0.14 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

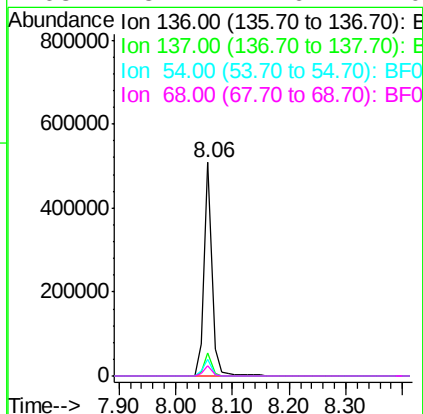
Instrument :  
BNA\_F  
ClientSampleId :  
MC-MASTER-WALL-SOIL-EAST

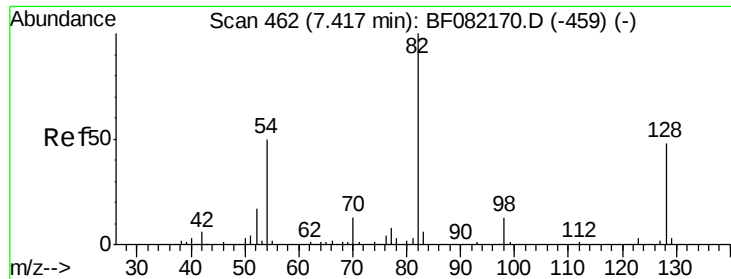
Tot Ion: 70 Resp: 76673  
Ion Ratio Lower Upper  
70 100  
42 45.8 39.8 59.8  
101 0.0 8.6 13.0#  
130 2.1 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 518  
Delta R.T. -0.01 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

Tgt Ion: 136 Resp: 470291  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.6  
54 7.7 7.5 11.3  
68 5.1 4.6 7.0

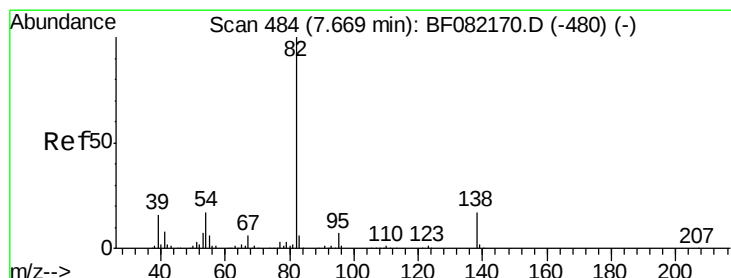
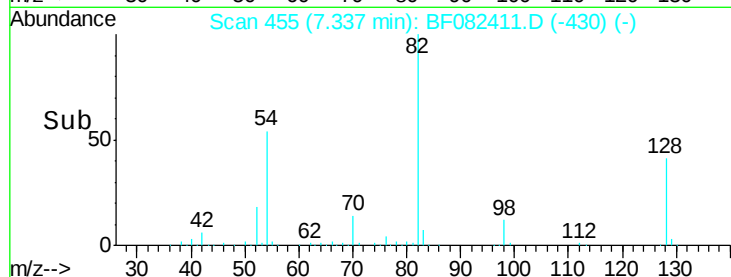
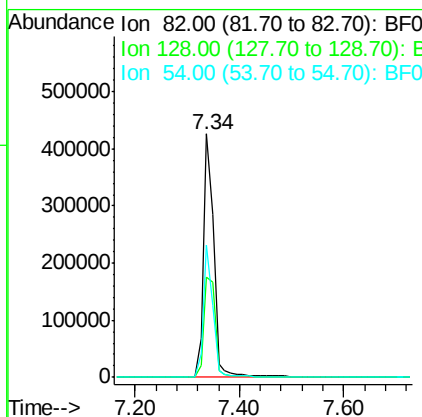
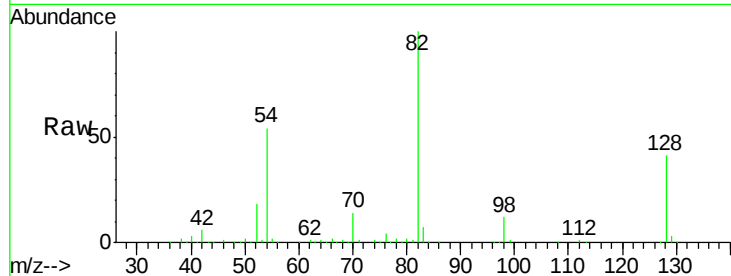




#23  
 Nitrobenzene-d5  
 Concen: 84.73 ng  
 RT: 7.34 min Scan# 455  
 Delta R.T. -0.01 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

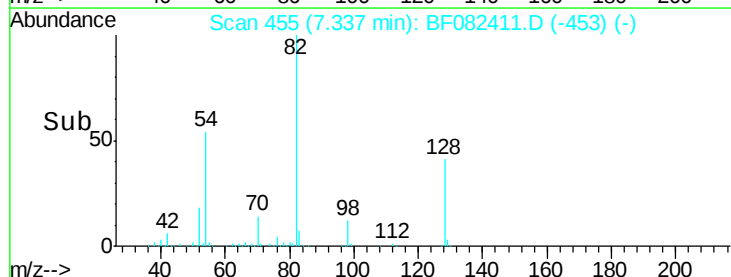
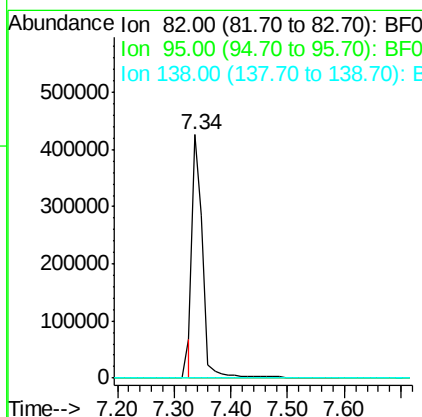
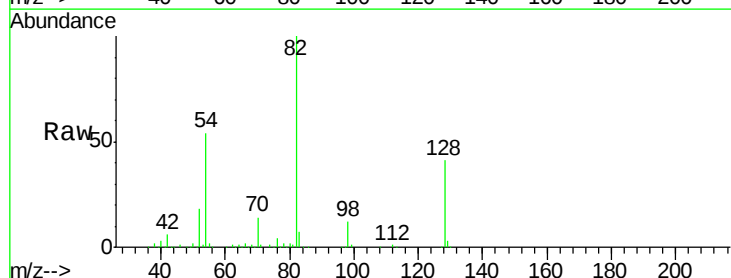
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

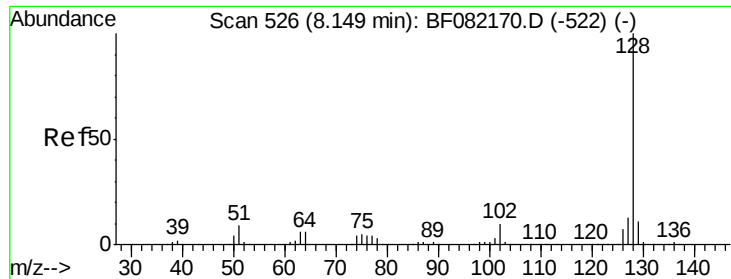
Tot Ion: 82 Resp: 593389  
 Ion Ratio Lower Upper  
 82 100  
 128 41.2 38.7 58.1  
 54 54.2 40.1 60.1



#25  
 Isophorone  
 Concen: 37.65 ng  
 RT: 7.34 min Scan# 455  
 Delta R.T. -0.27 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Tgt Ion: 82 Resp: 532209  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 13.6 20.4#

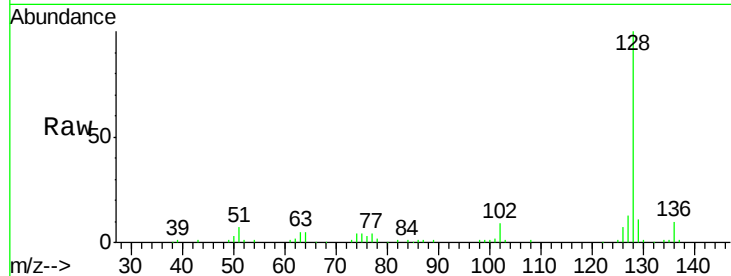




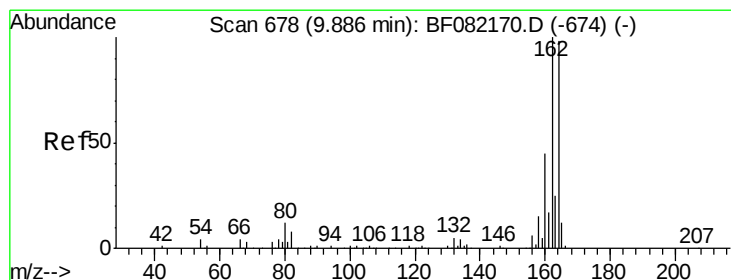
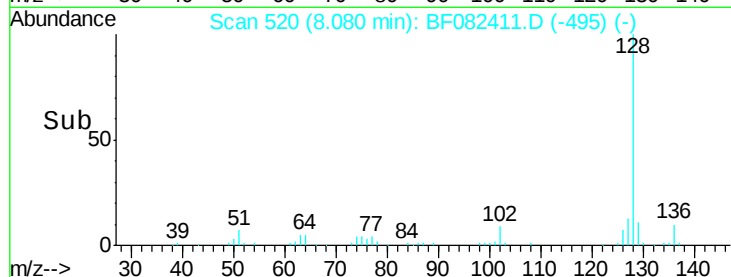
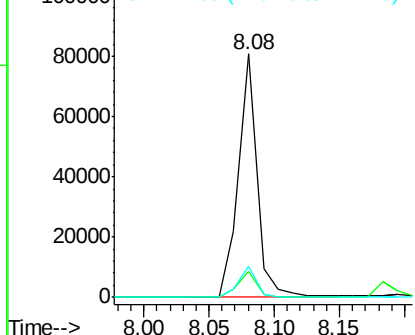
#31  
Naphthalene  
Concen: 3.96 ng  
RT: 8.08 min Scan# 520  
Delta R.T. -0.01 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

Instrument :  
BNA\_F  
ClientSampleId :  
MC-MASTER-WALL-SOIL-EAST

Tot Ion:128 Resp: 80786  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.1 13.7  
127 12.7 10.7 16.1

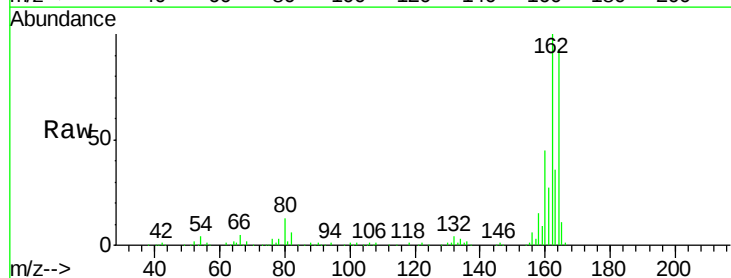


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

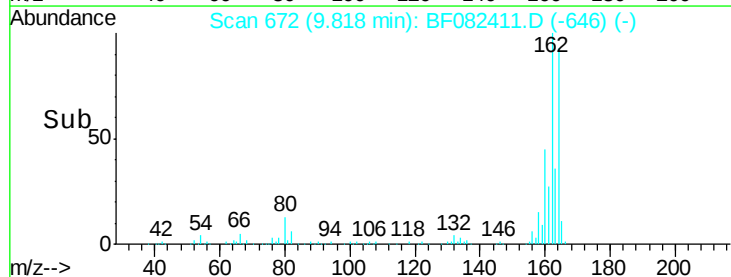
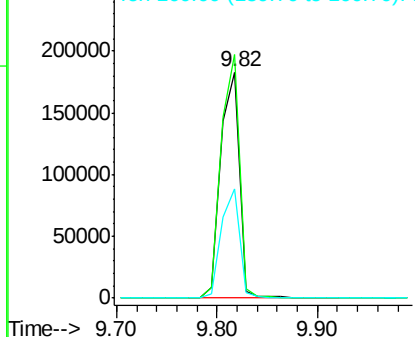


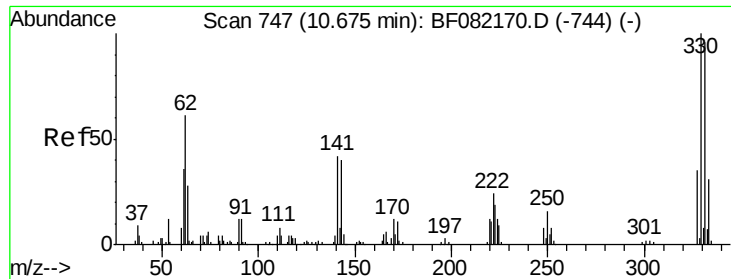
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.82 min Scan# 672  
Delta R.T. -0.00 min  
Lab File: BF082411.D  
Acq: 21 Oct 2015 18:32

Tgt Ion:164 Resp: 236160  
Ion Ratio Lower Upper  
164 100  
162 107.8 81.6 122.4  
160 48.2 36.4 54.6



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

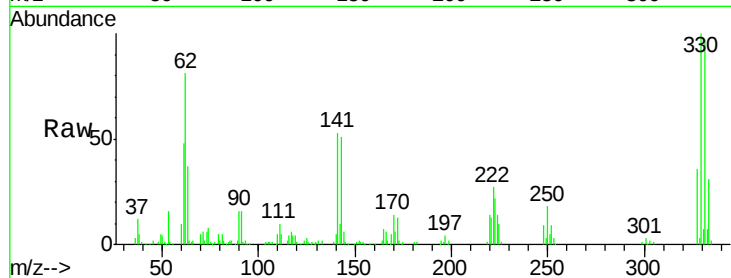




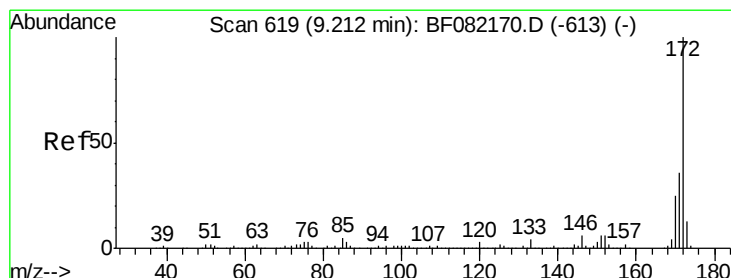
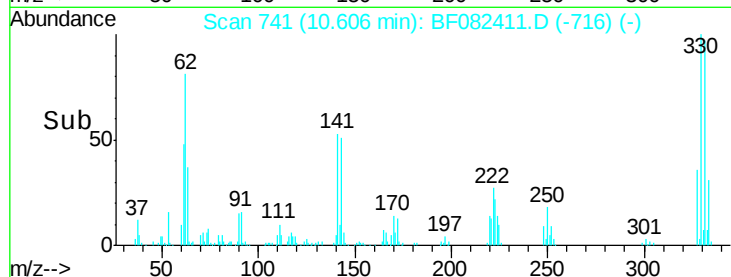
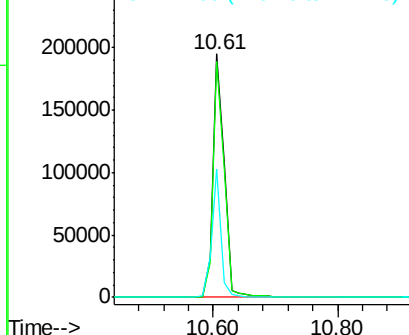
#41  
 2,4,6-Tribromophenol  
 Concen: 109.57 ng  
 RT: 10.61 min Scan# 741  
 Delta R.T. -0.01 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

Tot Ion:330 Resp: 242675  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.1 115.7  
 141 43.3 29.8 44.8

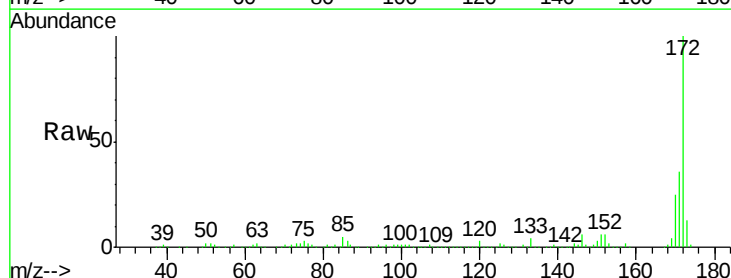


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

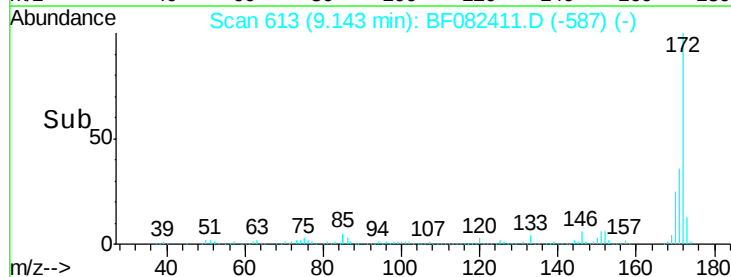
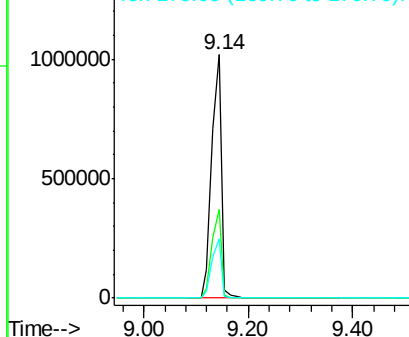


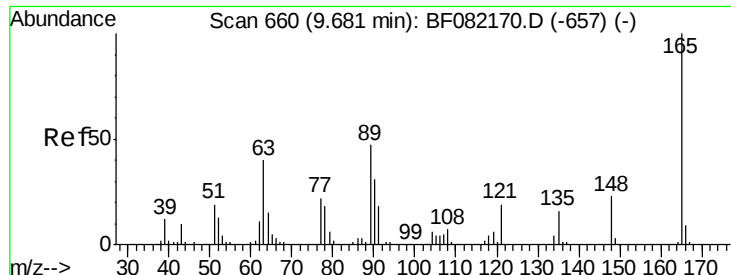
#44  
 2-Fluorobiphenyl  
 Concen: 92.75 ng  
 RT: 9.14 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Tgt Ion:172 Resp: 1320827  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.6 42.8  
 170 24.5 19.7 29.5



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

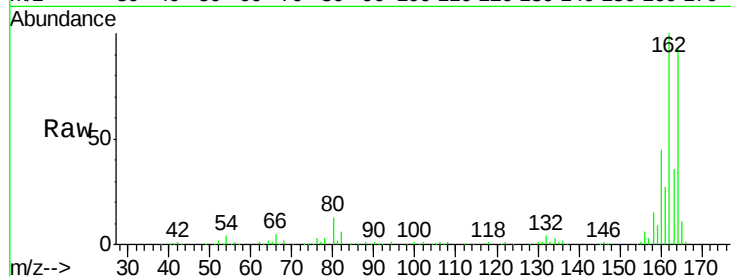




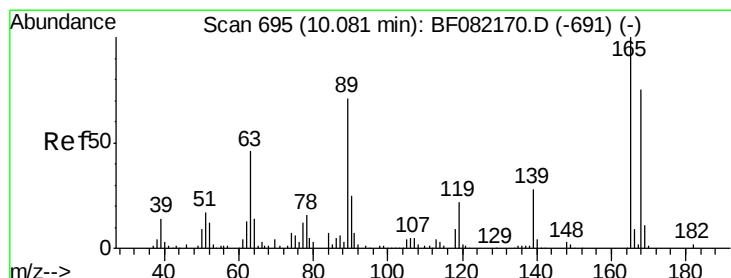
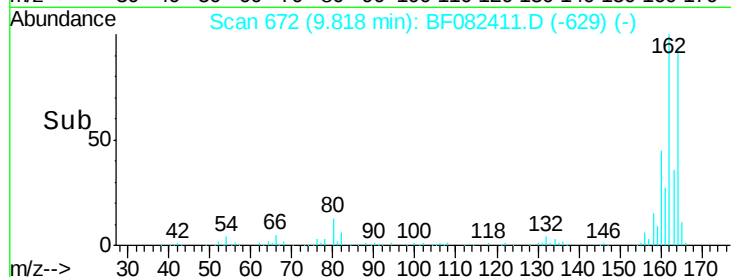
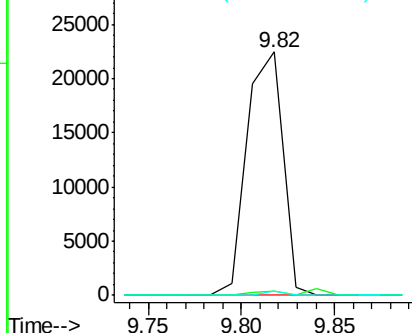
#50  
 2,6-Dinitrotoluene  
 Concen: 8.59 ng  
 RT: 9.82 min Scan# 672  
 Delta R.T. 0.19 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

Tot Ion:165 Resp: 30153  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 36.7 55.1#  
 89 1.6 37.8 56.6#



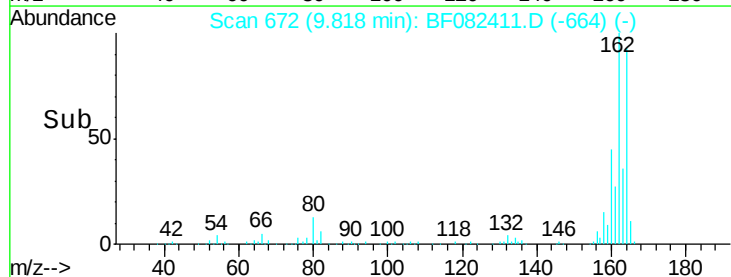
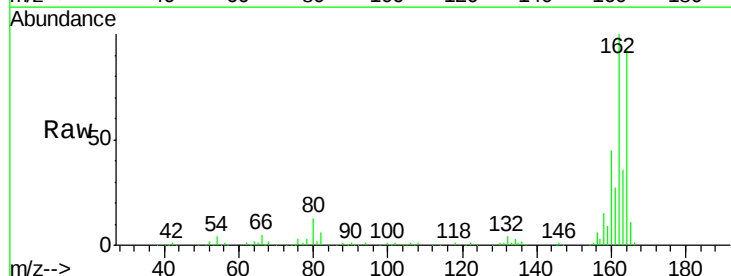
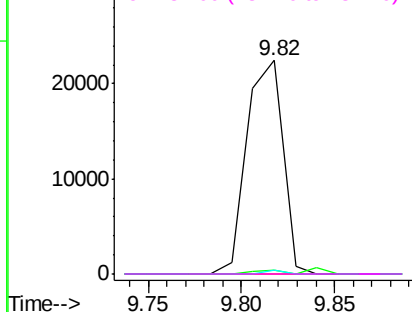
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

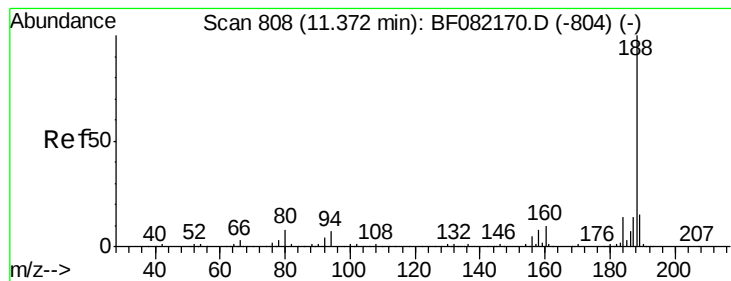


#56  
 2,4-Dinitrotoluene  
 Concen: 6.88 ng  
 RT: 9.82 min Scan# 672  
 Delta R.T. -0.21 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Tgt Ion:165 Resp: 30153  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 38.6 58.0#  
 89 1.6 57.0 85.6#  
 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: 11.30 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF082411.D

Acq: 21 Oct 2015 18:32

Instrument :

BNA\_F

ClientSampleId :

MC-MASTER-WALL-SOIL-EAST

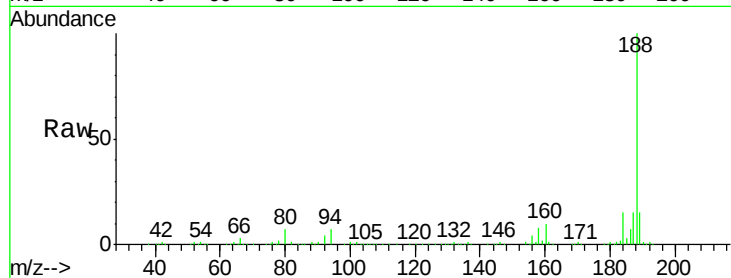
Tot Ion:188 Resp: 491367

Ion Ratio Lower Upper

188 100

94 6.7 5.8 8.6

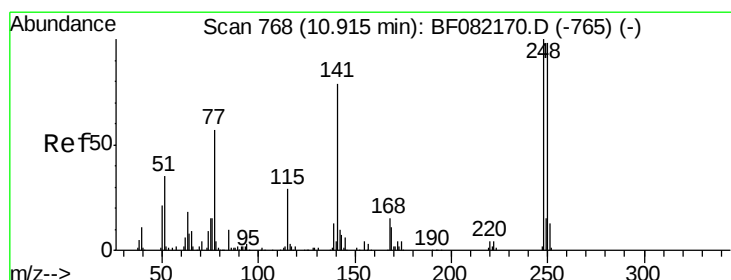
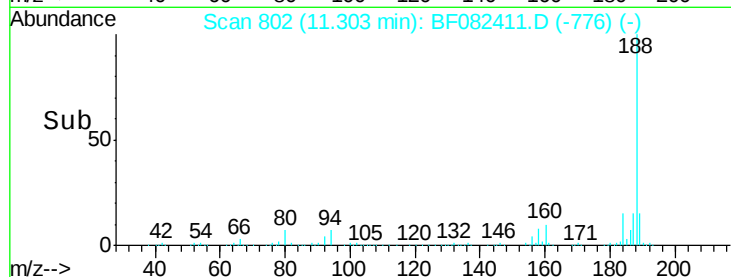
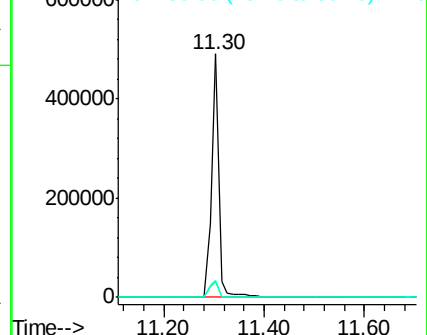
80 7.1 6.4 9.6



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: 3.70 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF082411.D

Acq: 21 Oct 2015 18:32

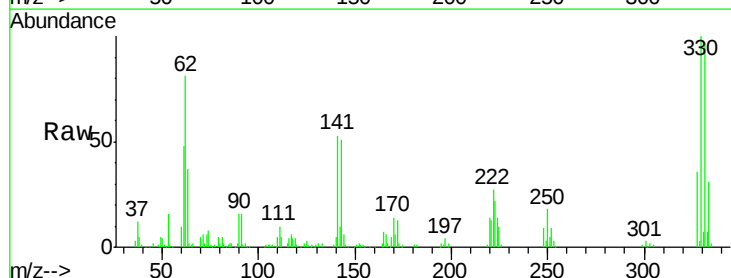
Tgt Ion:248 Resp: 18217

Ion Ratio Lower Upper

248 100

250 196.3 78.6 117.8#

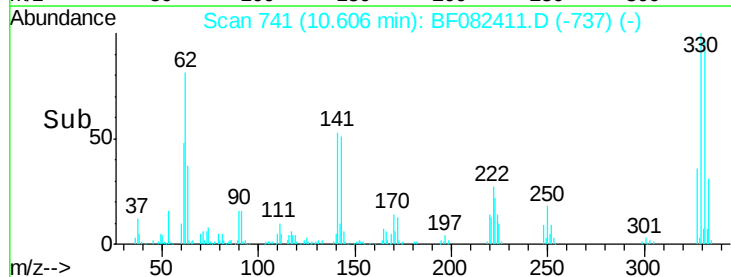
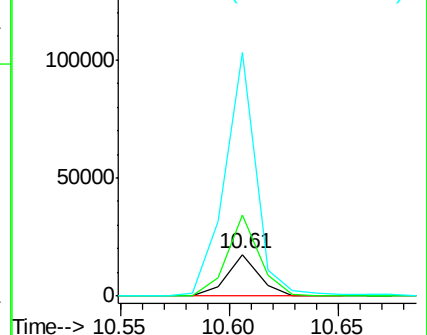
141 585.1 63.3 94.9#

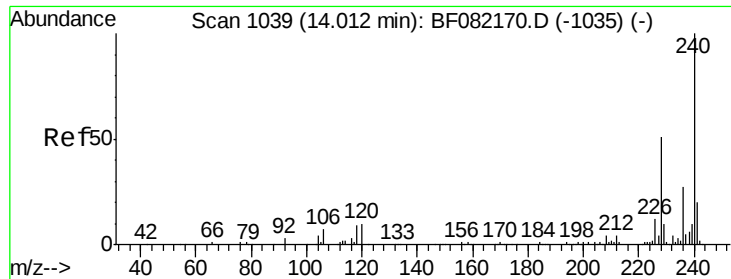


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

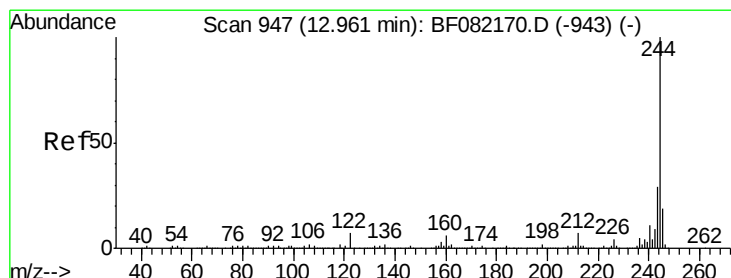
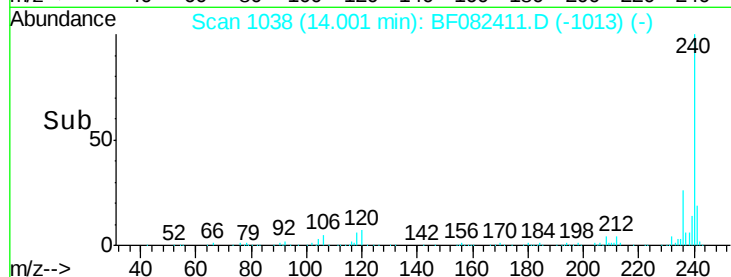
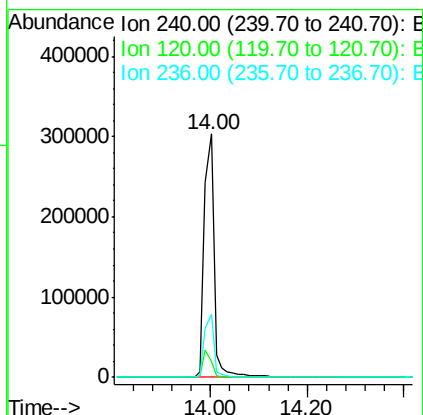
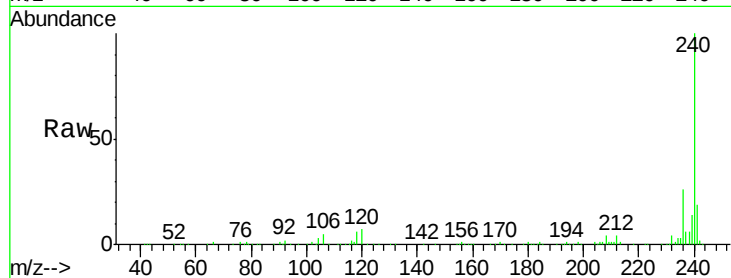




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.00 min Scan# 1038  
 Delta R.T. -0.01 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

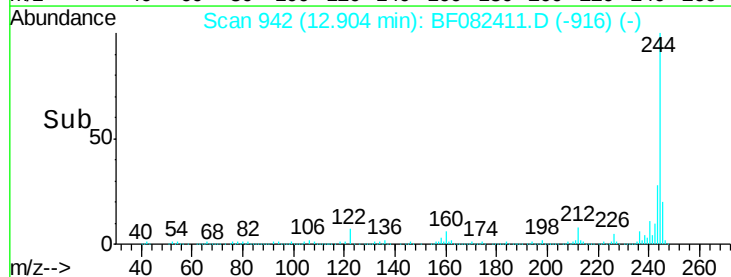
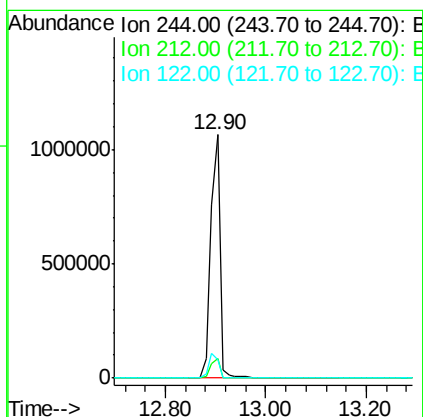
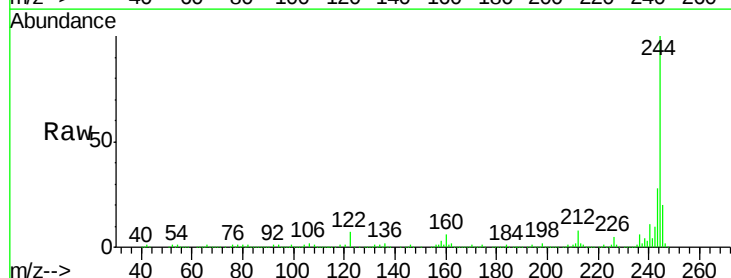
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

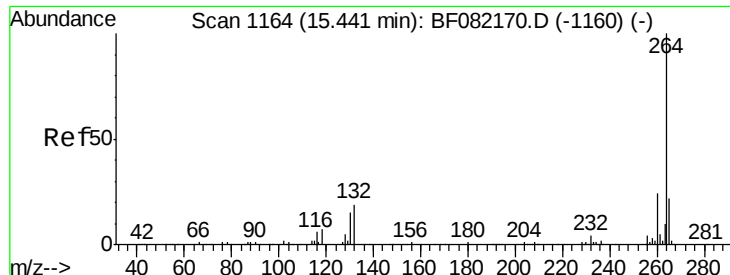
Tot Ion:240 Resp: 429355  
 Ion Ratio Lower Upper  
 240 100  
 120 6.7 8.1 12.1#  
 236 25.9 21.3 31.9



#78  
 Terphenyl-d14  
 Concen: 85.06 ng  
 RT: 12.90 min Scan# 942  
 Delta R.T. -0.00 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Tgt Ion:244 Resp: 1378238  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.6  
 122 7.5 5.9 8.9

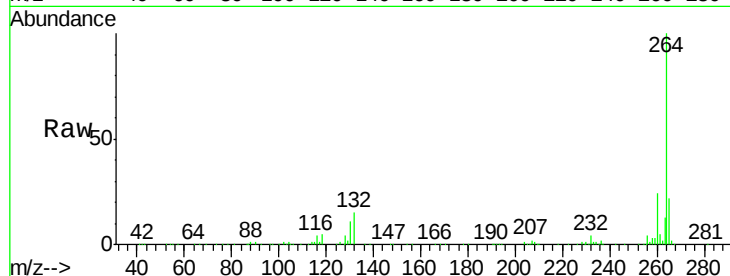




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.54 min Scan# 1173  
 Delta R.T. 0.01 min  
 Lab File: BF082411.D  
 Acq: 21 Oct 2015 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MC-MASTER-WALL-SOIL-EAST

Tot Ion: 264 Resp: 300170  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.0 28.6  
 265 21.7 17.3 25.9



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

