

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF103015\  
 Data File : BF082613.D  
 Acq On : 31 Oct 2015 11:13  
 Operator : UM/IZ  
 Sample : G4178-06DL 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S6-BOILERROOM2.5FTDEEPDL

Quant Time: Nov 02 00:27:38 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF103015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 31 00:17:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 189488   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.19  | 136  | 796951   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.95  | 164  | 398559   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.44 | 188  | 706519   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.08 | 240  | 450163   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.54 | 264  | 388414   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.49  | 112 | 346114 | 27.51 | ng | -0.01 |
| 7) Phenol-d6                | 6.52  | 99  | 514186 | 30.76 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.46  | 82  | 355336 | 18.21 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330 | 106112 | 24.33 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.26  | 172 | 511941 | 18.24 | ng | -0.01 |
| 78) Terphenyl-d14           | 13.03 | 244 | 460948 | 22.41 | ng | 0.00  |

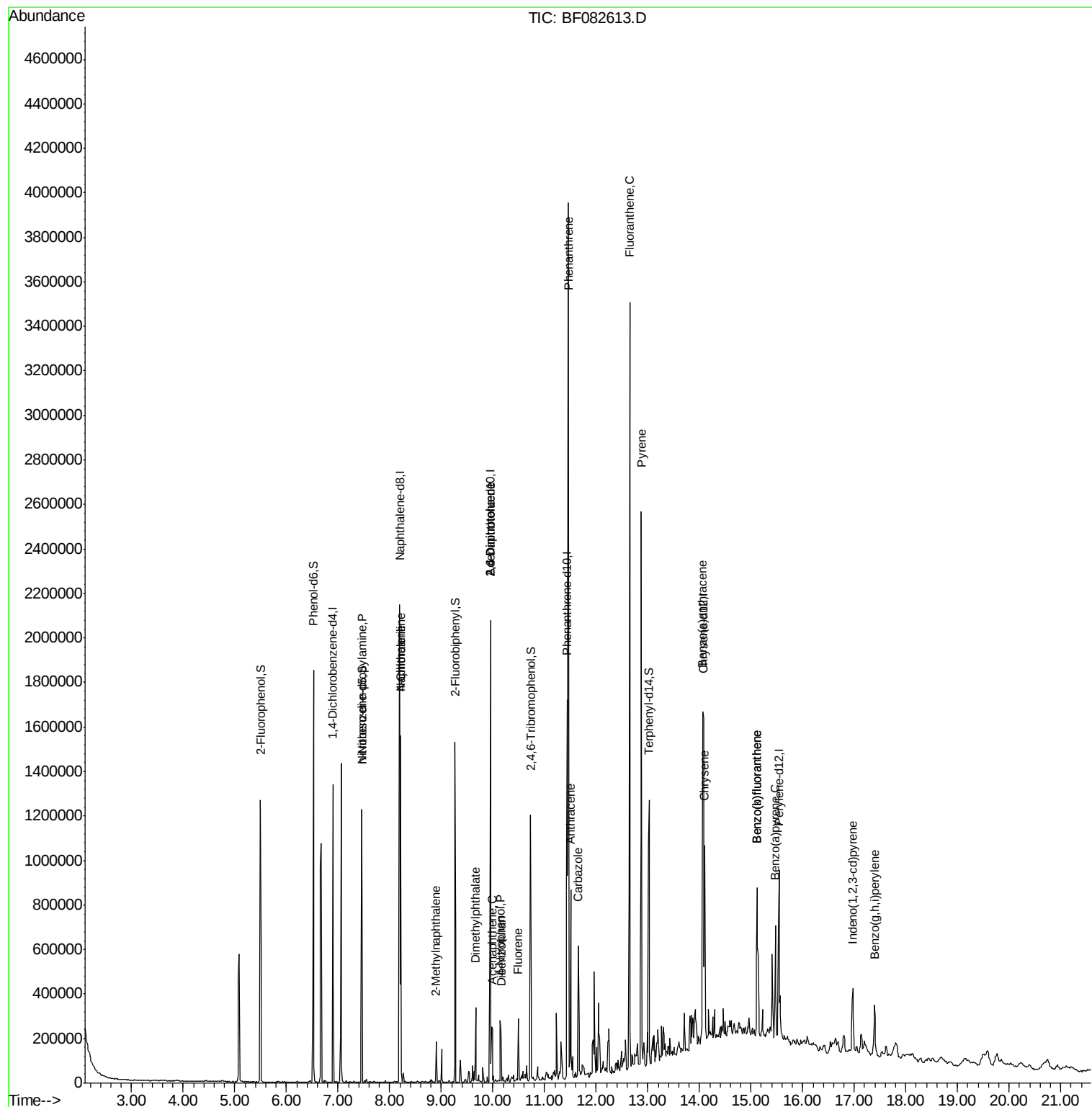
|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.46  | 70  | 50885   | 4.02  | ng | # 69   |
| 31) Naphthalene                | 8.21  | 128 | 597899  | 13.86 | ng | 98     |
| 33) 4-Chloroaniline            | 8.21  | 127 | 79120   | 4.30  | ng | # 28   |
| 37) 2-Methylnaphthalene        | 8.90  | 142 | 62072   | 2.22  | ng | 98     |
| 49) Dimethylphthalate          | 9.66  | 163 | 129308  | 3.97  | ng | 96     |
| 50) 2,6-Dinitrotoluene         | 9.95  | 165 | 54077   | 8.02  | ng | # 17   |
| 51) Acenaphthene               | 9.98  | 154 | 80446   | 3.01  | ng | 99     |
| 54) Dibenzofuran               | 10.16 | 168 | 132132  | 3.65  | ng | # 87   |
| 55) 4-Nitrophenol              | 10.14 | 139 | 53724   | 9.51  | ng | # 3    |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165 | 54986   | 6.03  | ng | # 16   |
| 57) Fluorene                   | 10.49 | 166 | 98374   | 3.37  | ng | 98     |
| 70) Phenanthrene               | 11.46 | 178 | 1336458 | 33.54 | ng | 100    |
| 71) Anthracene                 | 11.50 | 178 | 305347  | 7.61  | ng | 97     |
| 72) Carbazole                  | 11.65 | 167 | 234885  | 6.72  | ng | 97     |
| 74) Fluoranthene               | 12.65 | 202 | 1282134 | 31.47 | ng | 98     |
| 77) Pyrene                     | 12.88 | 202 | 1038594 | 31.16 | ng | 98     |
| 80) Benzo(a)anthracene         | 14.07 | 228 | 456730  | 15.97 | ng | 99     |
| 82) Chrysene                   | 14.10 | 228 | 260393  | 10.05 | ng | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.97 | 276 | 206337  | 9.65  | ng | 96     |
| 87) Benzo(b)fluoranthene       | 15.12 | 252 | 509183  | 19.01 | ng | # 98   |
| 88) Benzo(k)fluoranthene       | 15.12 | 252 | 509183  | 24.95 | ng | # 97   |
| 89) Benzo(a)pyrene             | 15.47 | 252 | 245834  | 11.65 | ng | 98     |
| 91) Benzo(g,h,i)perylene       | 17.39 | 276 | 193482  | 10.14 | ng | 99     |

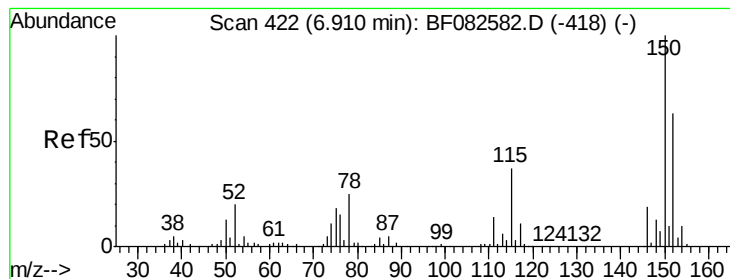
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 31 00:17:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

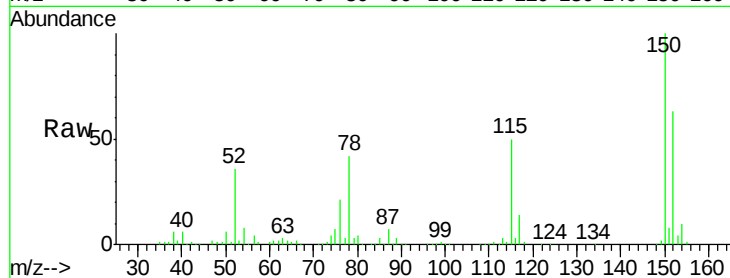
Tgt Ion:152 Resp: 189488

Ion Ratio Lower Upper

152 100

150 159.4 127.0 190.4

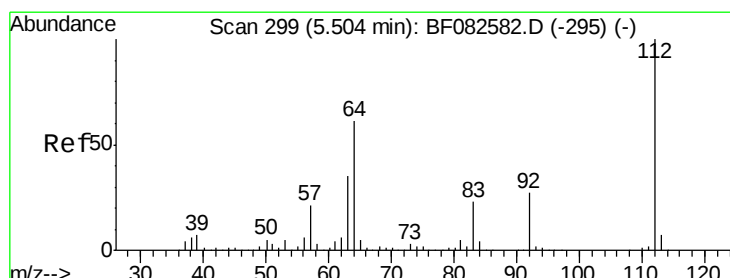
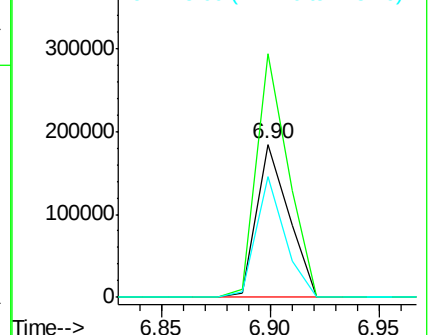
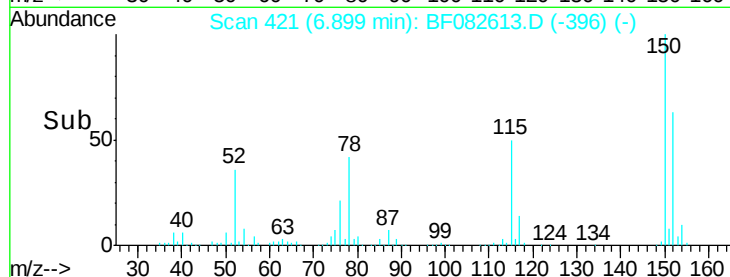
115 79.2 47.0 70.6#



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: 27.51 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

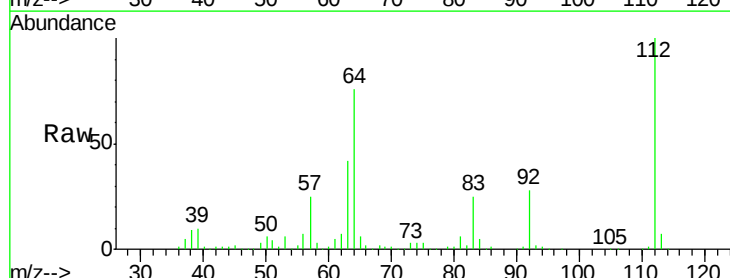
Tgt Ion:112 Resp: 346114

Ion Ratio Lower Upper

112 100

64 76.0 48.9 73.3#

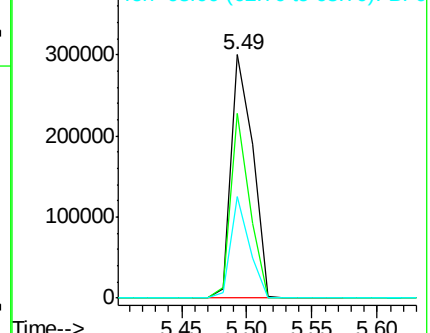
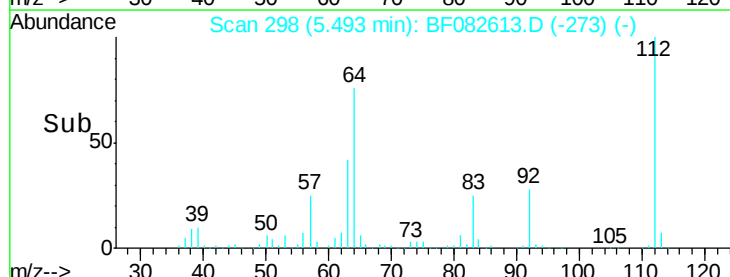
63 41.5 28.1 42.1

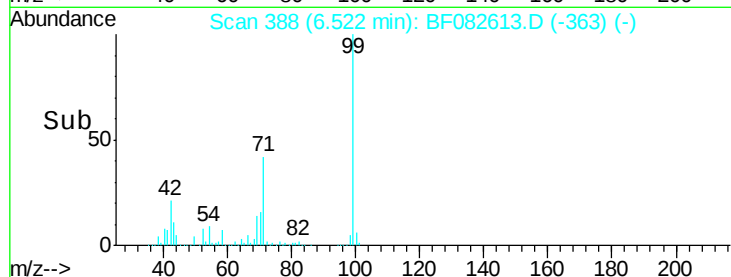
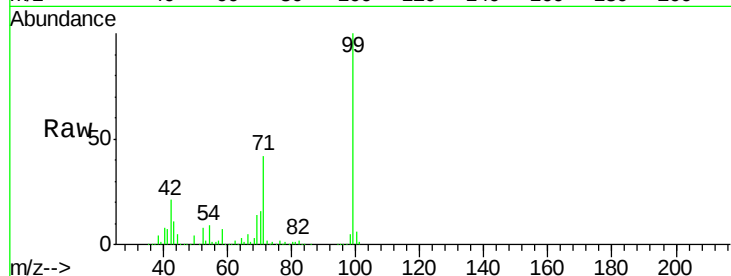


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.76 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPDL

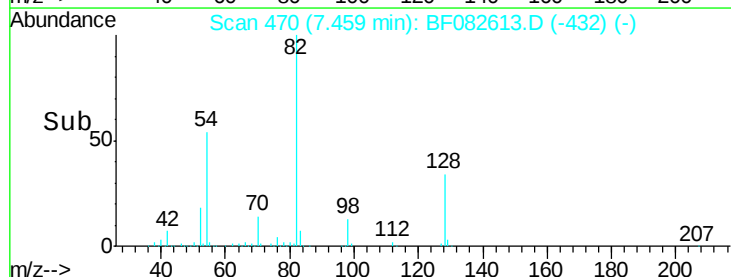
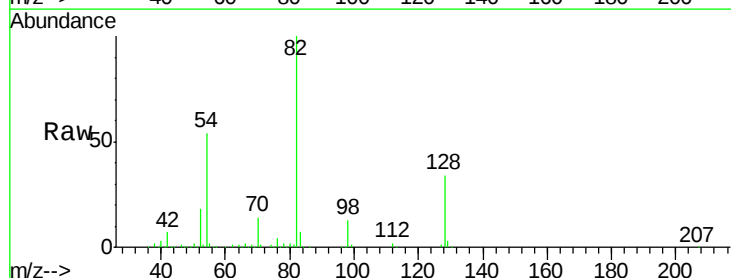
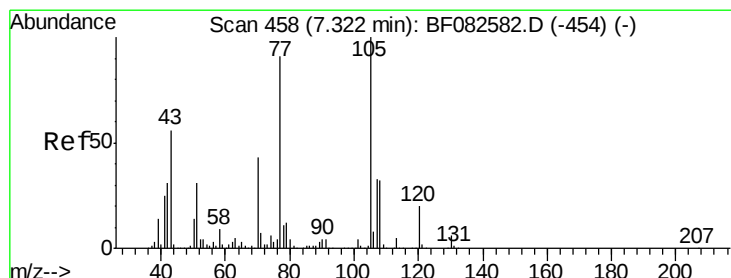
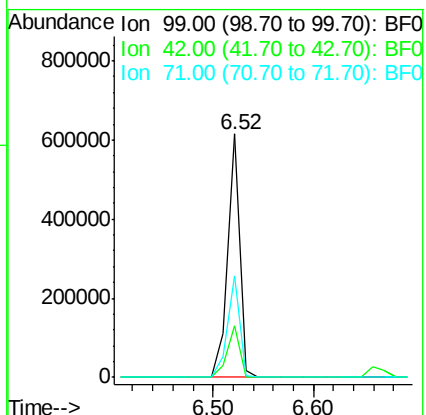
Tgt Ion: 99 Resp: 514186

Ion Ratio Lower Upper

99 100

42 21.4 19.2 28.8

71 41.6 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.02 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Tgt Ion: 70 Resp: 50885

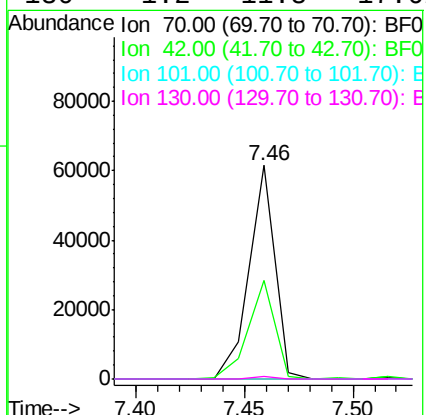
Ion Ratio Lower Upper

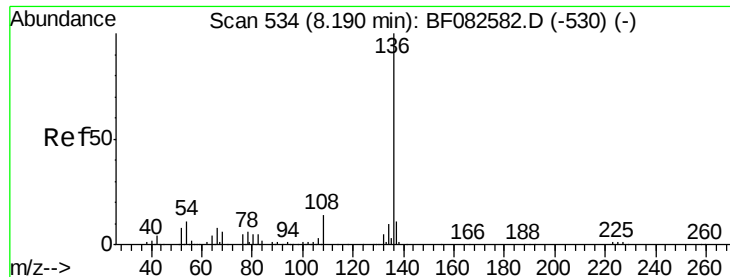
70 100

42 46.2 57.7 86.5#

101 0.0 7.0 10.6#

130 1.2 11.8 17.6#

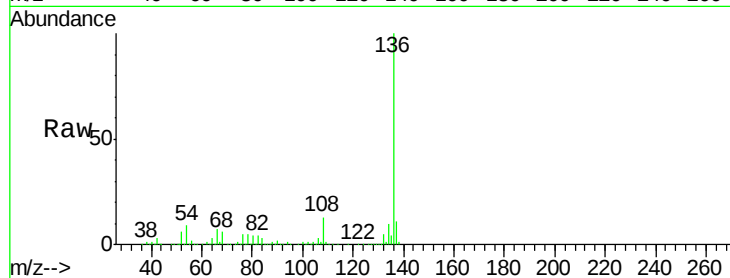




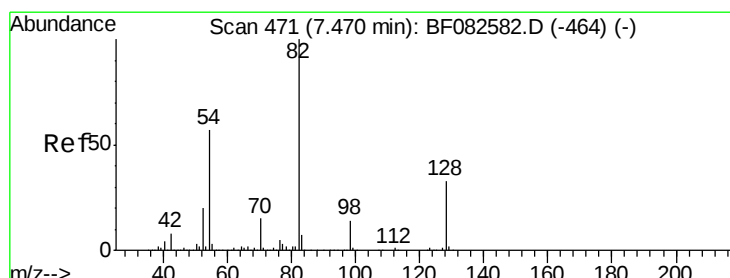
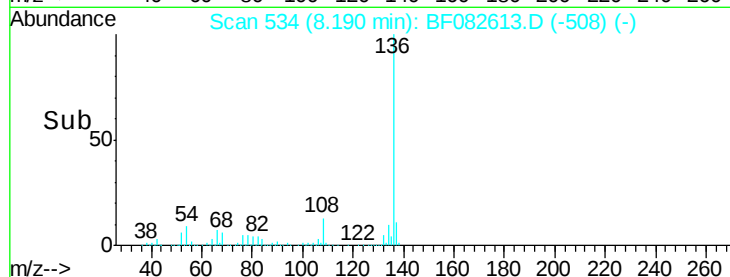
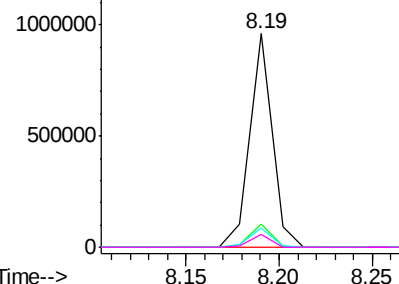
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.19 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Instrument :  
BNA\_F  
ClientSampleId :  
S6-BOILERROOM2.5FTDEEPL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 796951 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.1   | 13.7   |
| 54       | 9.2   | 9.1   | 13.7   |
| 68       | 5.8   | 4.8   | 7.2    |

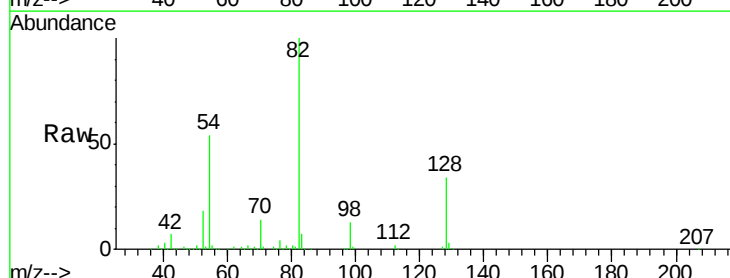


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

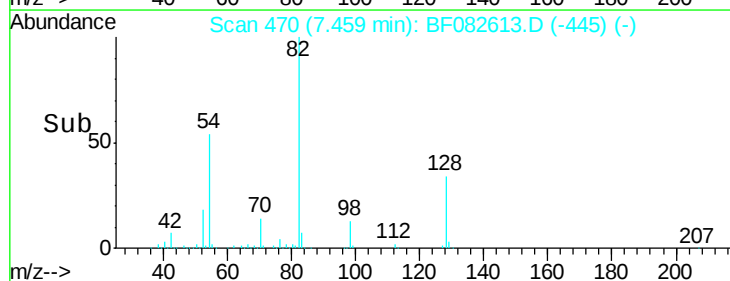
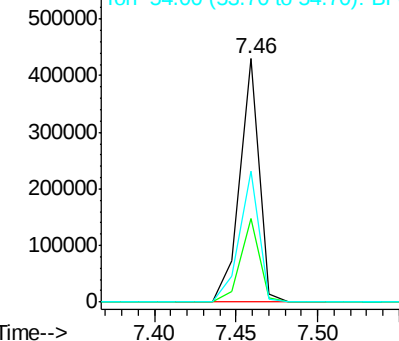


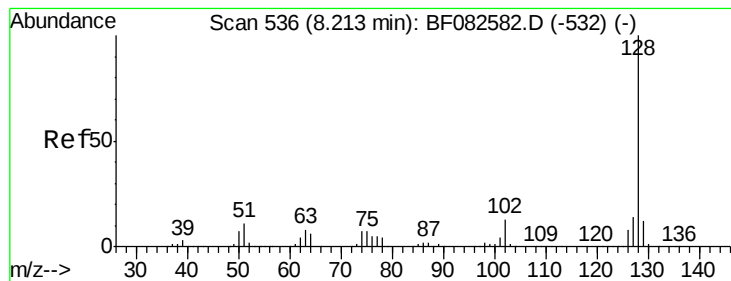
#23  
Nitrobenzene-d5  
Concen: 18.21 ng  
RT: 7.46 min Scan# 470  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 355336 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.4  | 26.8  | 40.2   |
| 54       | 53.9  | 45.7  | 68.5   |



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





#31

Naphthalene

Concen: 13.86 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

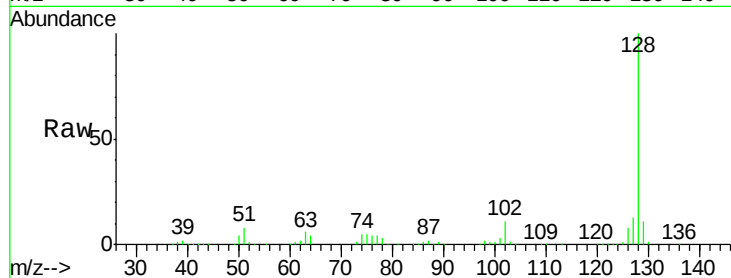
Tgt Ion:128 Resp: 597899

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

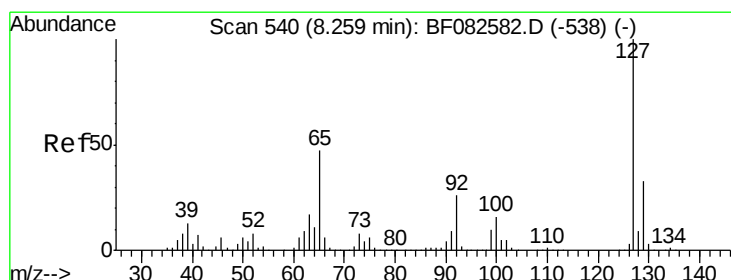
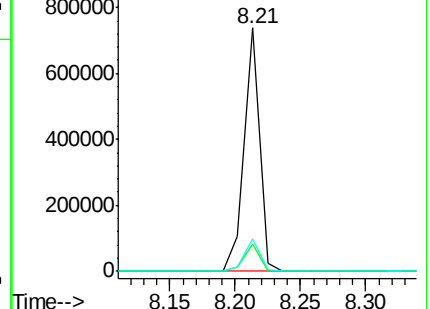
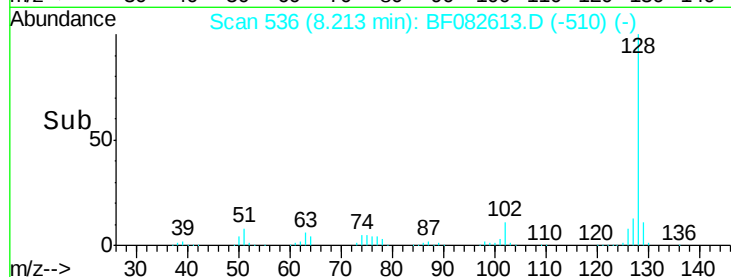
127 13.2 11.4 17.0



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



#33

4-Chloroaniline

Concen: 4.30 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.05 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Tgt Ion:127 Resp: 79120

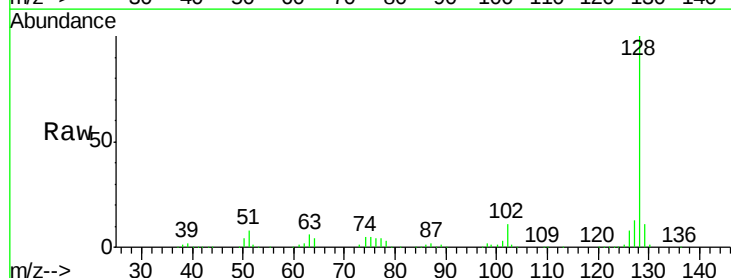
Ion Ratio Lower Upper

127 100

129 83.3 26.3 39.5#

65 0.0 37.8 56.8#

92 0.0 20.6 31.0#

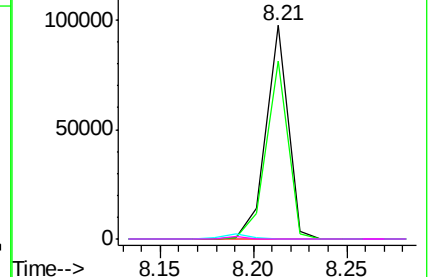
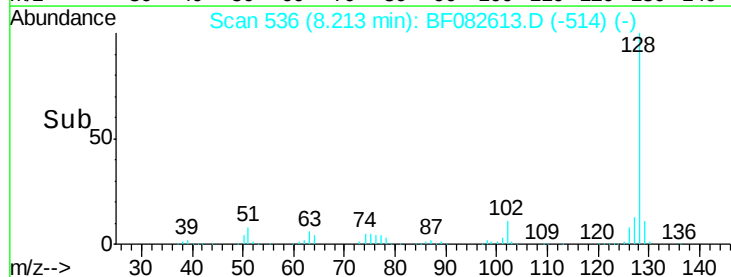


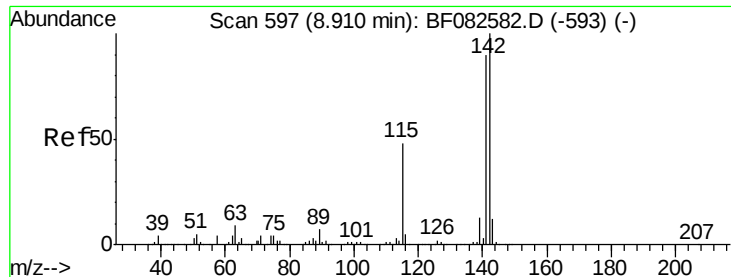
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

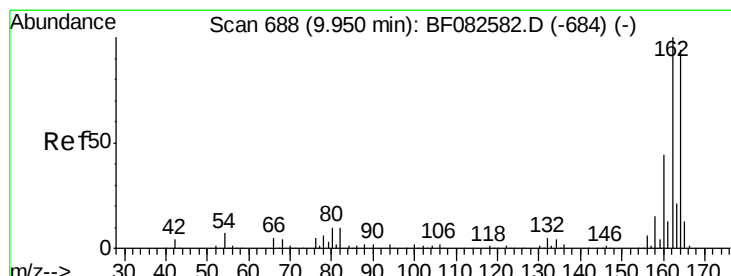
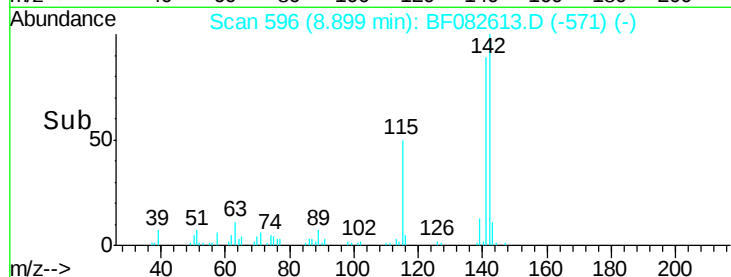
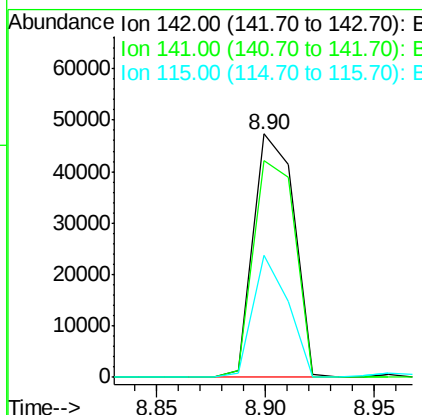
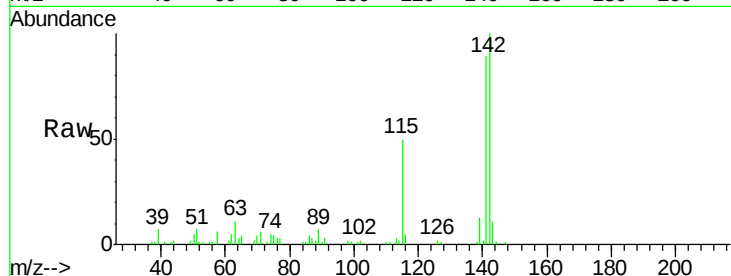




#37  
2-Methylnaphthalene  
Concen: 2.22 ng  
RT: 8.90 min Scan# 596  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

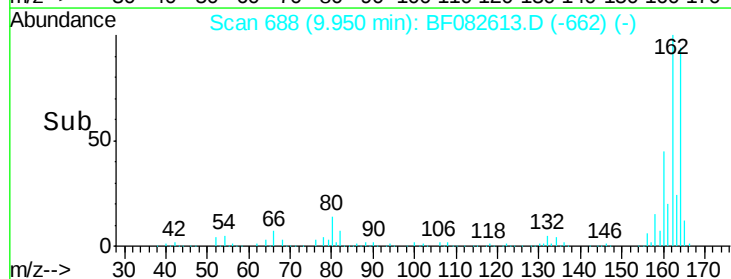
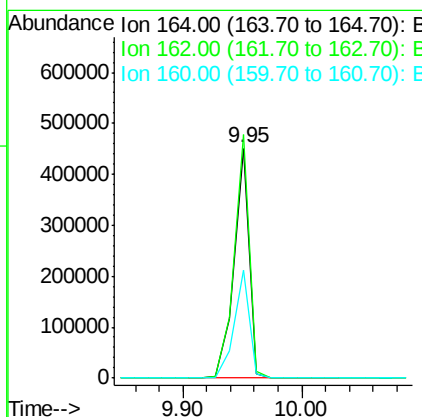
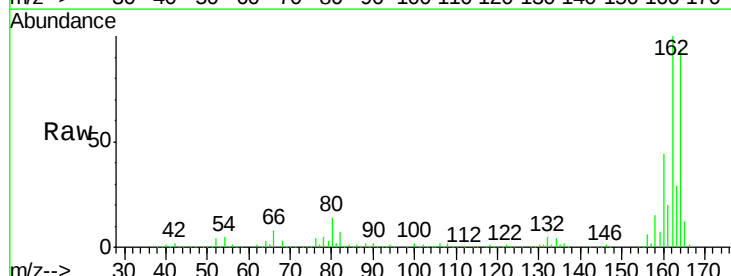
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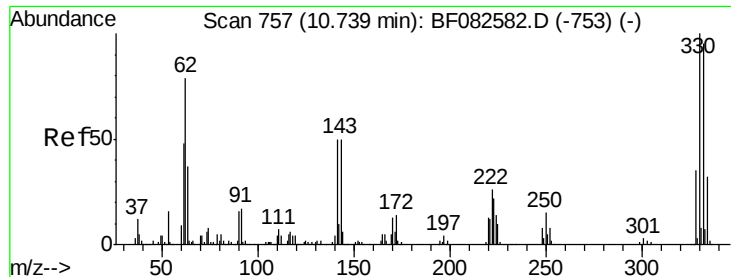
Tgt Ion:142 Resp: 62072  
Ion Ratio Lower Upper  
142 100  
141 89.0 72.3 108.5  
115 50.3 38.1 57.1



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.95 min Scan# 688  
Delta R.T. -0.00 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Tgt Ion:164 Resp: 398559  
Ion Ratio Lower Upper  
164 100  
162 106.0 84.9 127.3  
160 47.2 37.5 56.3

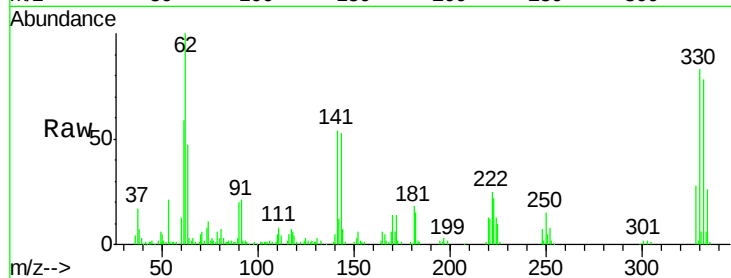




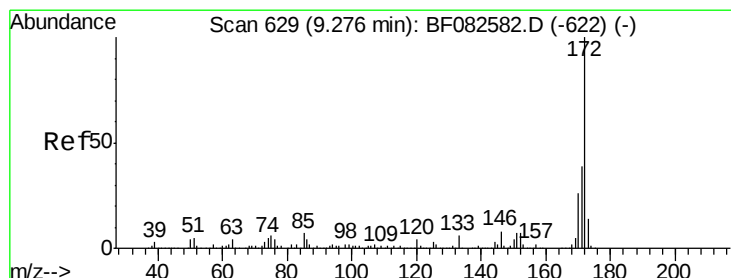
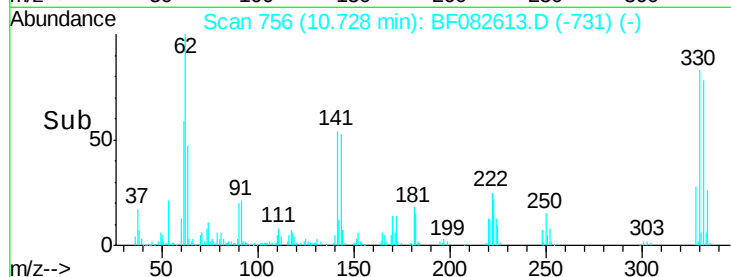
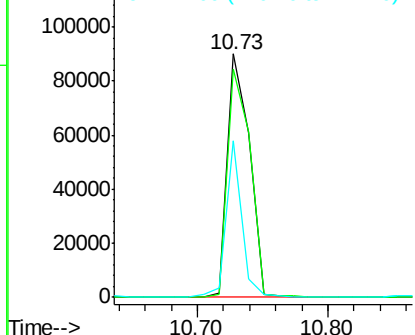
#41  
 2,4,6-Tribromophenol  
 Concen: 24.33 ng  
 RT: 10.73 min Scan# 756  
 Delta R.T. -0.01 min  
 Lab File: BF082613.D  
 Acq: 31 Oct 2015 11:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S6-BOILERROOM2.5FTDEEPL

Tgt Ion:330 Resp: 106112  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 114.8  
 141 45.4 41.2 61.8

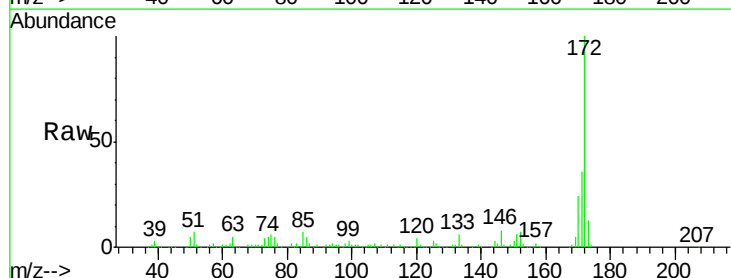


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

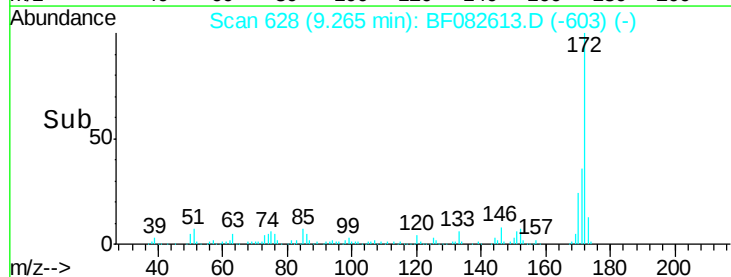
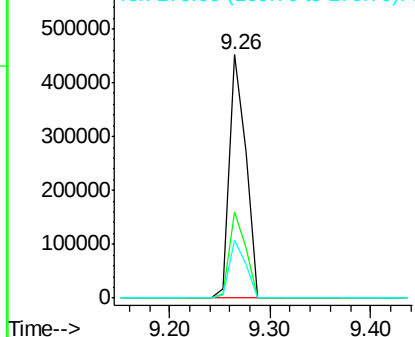


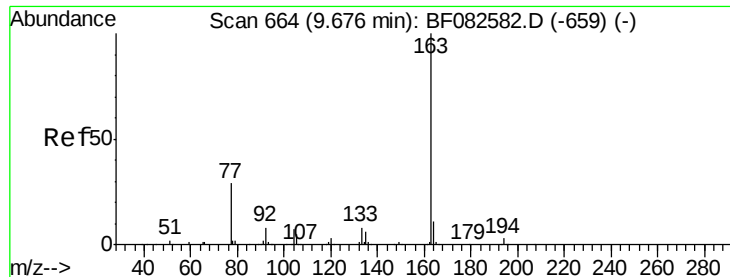
#44  
 2-Fluorobiphenyl  
 Concen: 18.24 ng  
 RT: 9.26 min Scan# 628  
 Delta R.T. -0.01 min  
 Lab File: BF082613.D  
 Acq: 31 Oct 2015 11:13

Tgt Ion:172 Resp: 511941  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 30.8 46.2  
 170 23.8 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





#49

Dimethylphthalate

Concen: 3.97 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

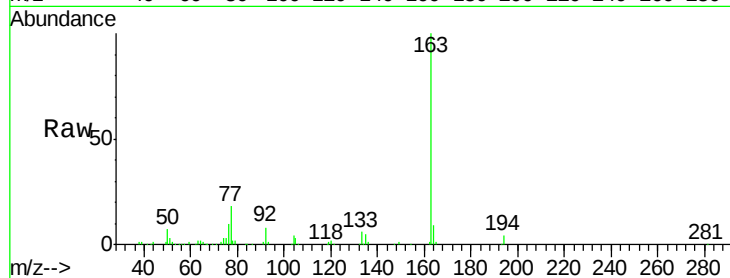
Tgt Ion:163 Resp: 129308

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

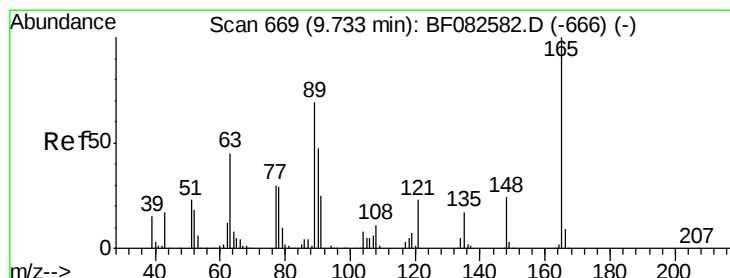
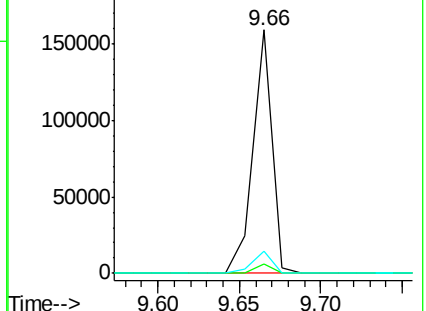
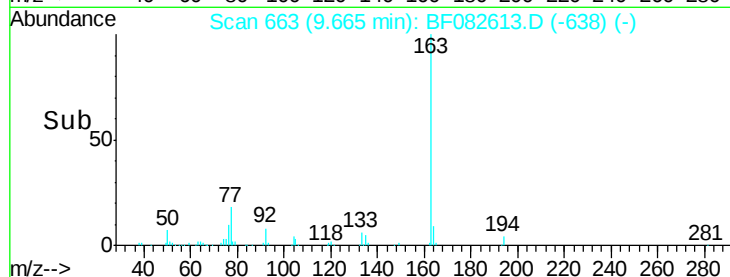
164 9.3 8.7 13.1



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



#50

2,6-Dinitrotoluene

Concen: 8.02 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.22 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

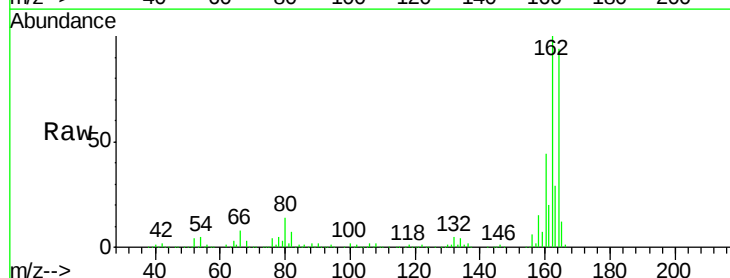
Tgt Ion:165 Resp: 54077

Ion Ratio Lower Upper

165 100

63 1.1 55.5 83.3#

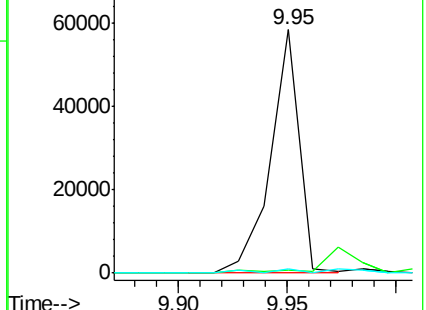
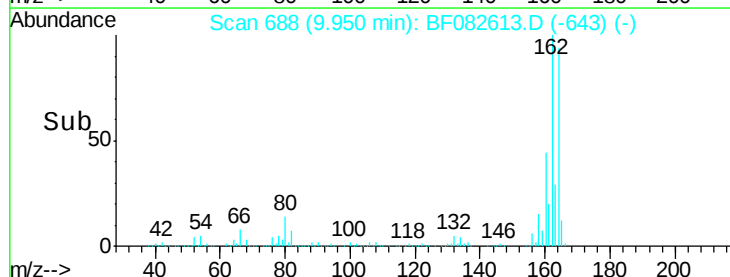
89 1.9 55.0 82.6#

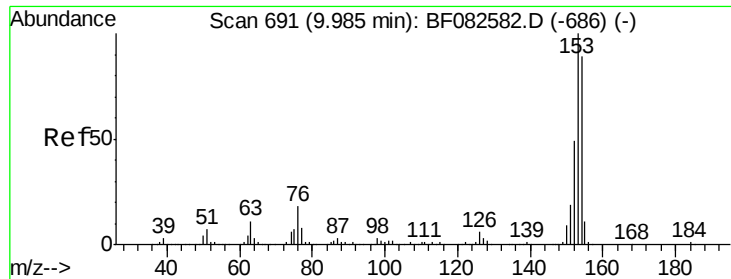


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 3.01 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

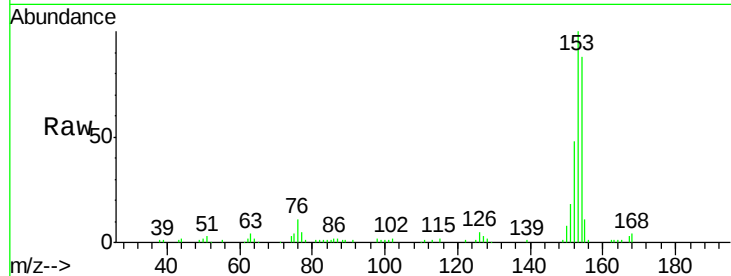
Tgt Ion:154 Resp: 80446

Ion Ratio Lower Upper

154 100

153 113.9 90.1 135.1

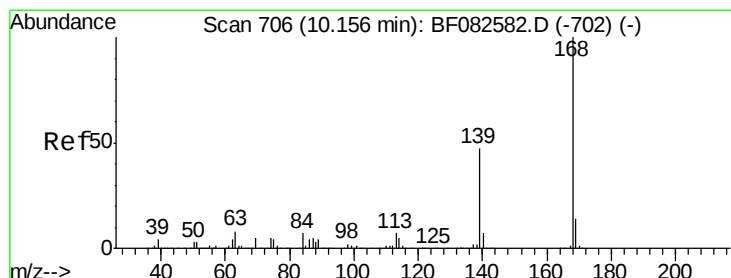
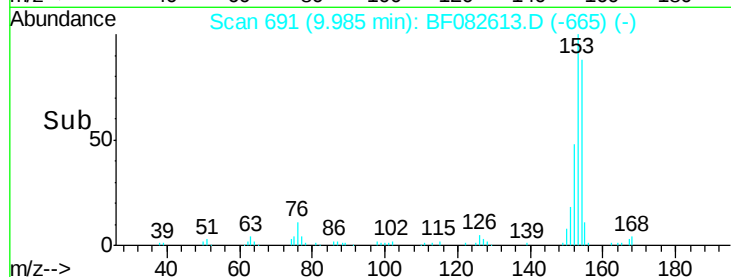
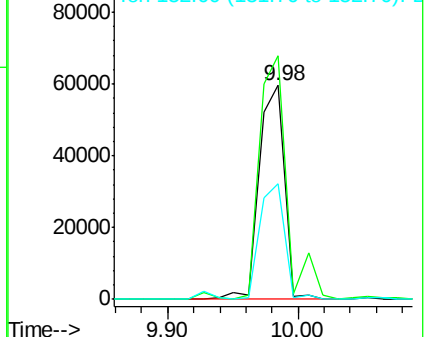
152 54.3 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.65 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

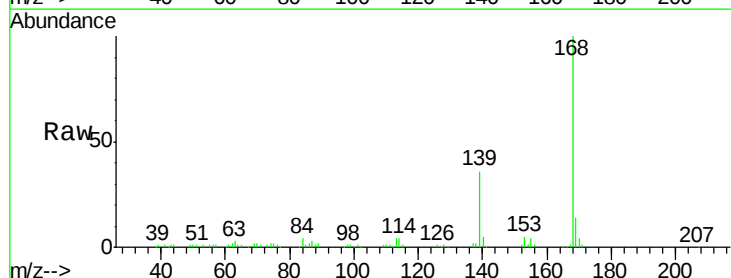
Tgt Ion:168 Resp: 132132

Ion Ratio Lower Upper

168 100

139 35.8 37.8 56.6#

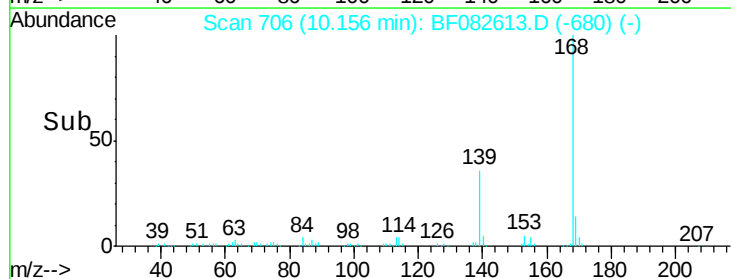
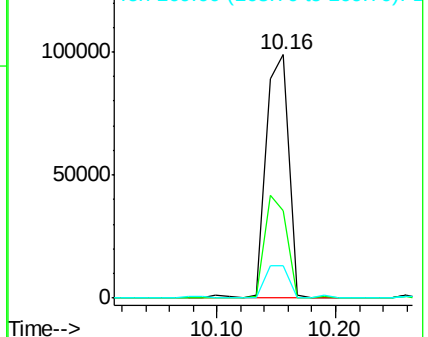
169 13.6 11.3 16.9

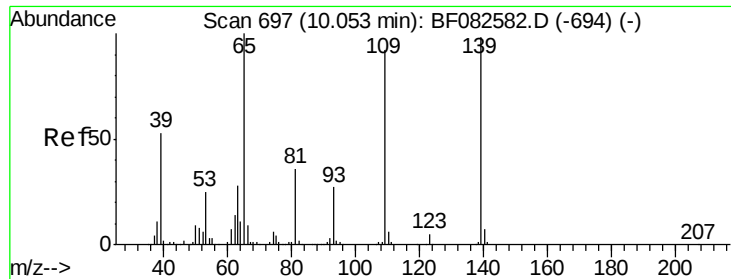


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

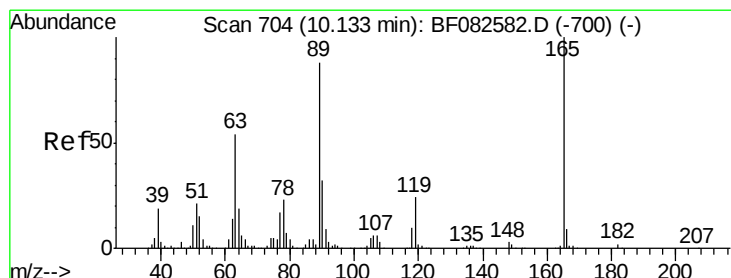
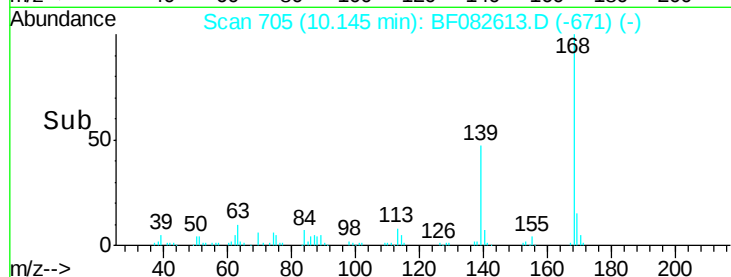
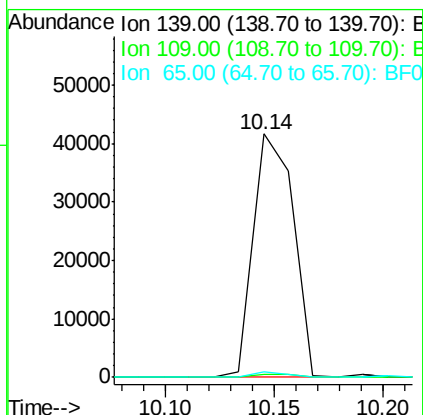
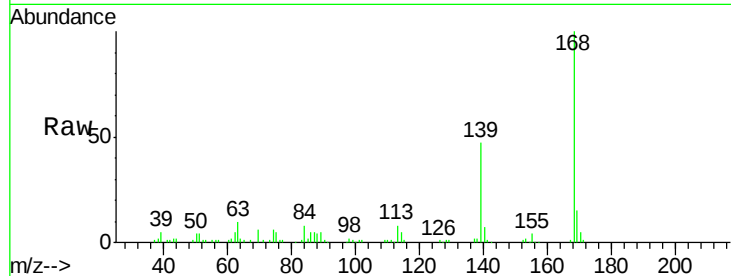




#55  
4-Nitrophenol  
Concen: 9.51 ng  
RT: 10.14 min Scan# 705  
Delta R.T. 0.09 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

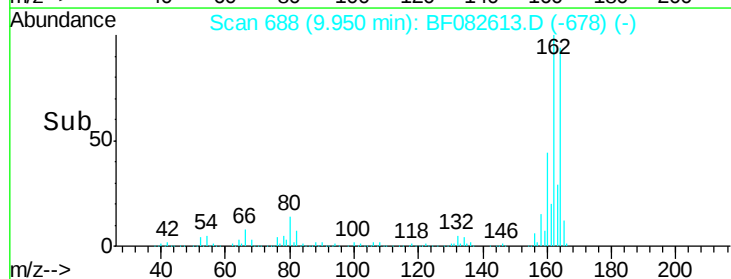
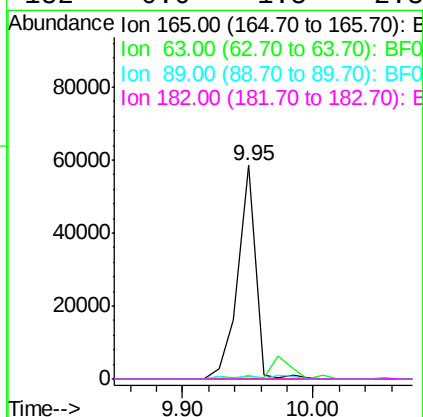
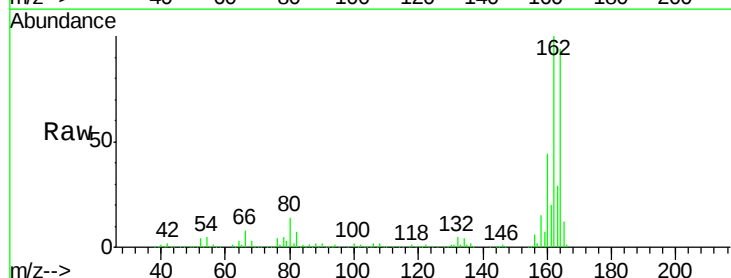
Instrument :  
BNA\_F  
ClientSampleId :  
S6-BOILERROOM2.5FTDEEPL

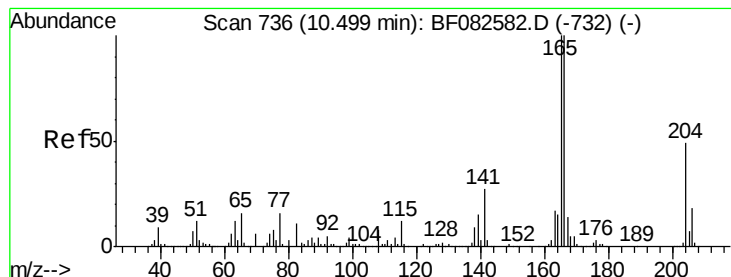
Tgt Ion:139 Resp: 53724  
Ion Ratio Lower Upper  
139 100  
109 1.5 73.7 113.7#  
65 2.5 82.9 122.9#



#56  
2,4-Dinitrotoluene  
Concen: 6.03 ng  
RT: 9.95 min Scan# 688  
Delta R.T. -0.18 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Tgt Ion:165 Resp: 54986  
Ion Ratio Lower Upper  
165 100  
63 1.1 43.4 65.0#  
89 1.9 70.6 106.0#  
182 0.0 1.5 2.3#





#57

Fluorene

Concen: 3.37 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPDL

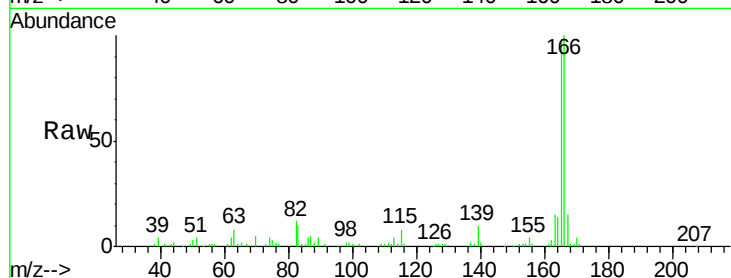
Tgt Ion:166 Resp: 98374

Ion Ratio Lower Upper

166 100

165 98.5 80.2 120.4

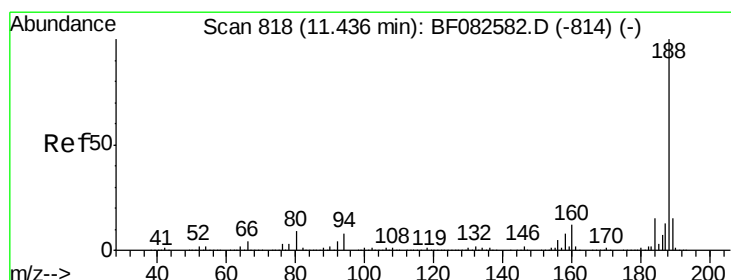
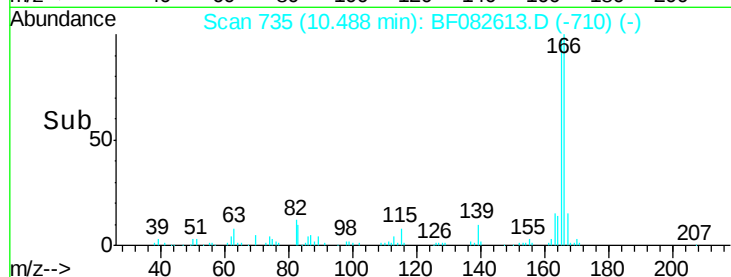
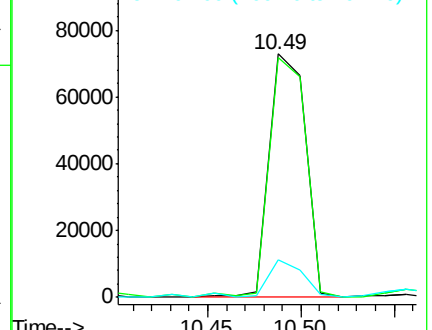
167 15.2 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

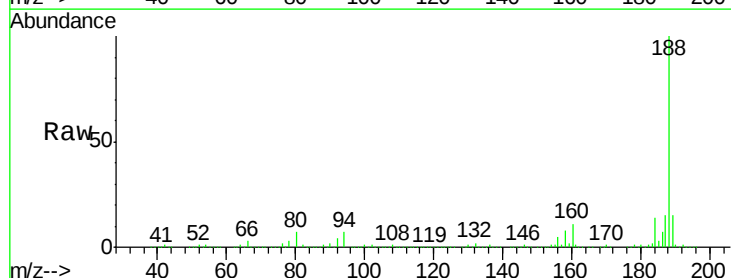
Tgt Ion:188 Resp: 706519

Ion Ratio Lower Upper

188 100

94 6.6 6.1 9.1

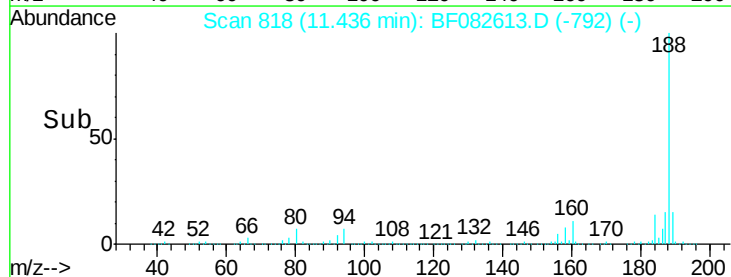
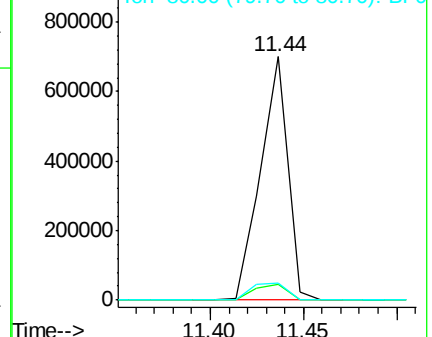
80 7.0 7.0 10.6#

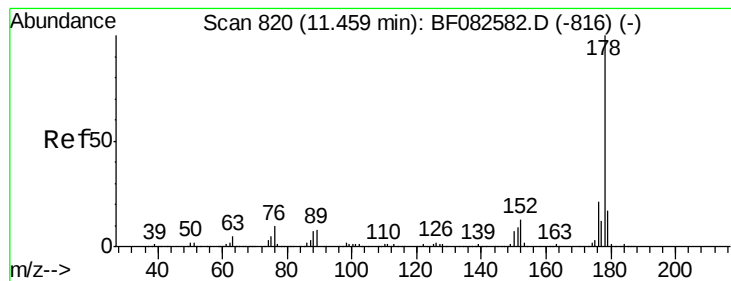


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 33.54 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

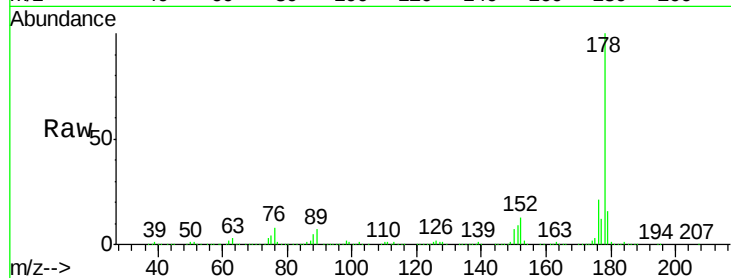
Tgt Ion:178 Resp: 1336458

Ion Ratio Lower Upper

178 100

176 21.2 17.0 25.4

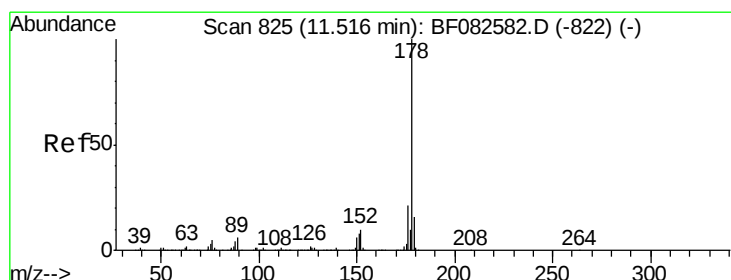
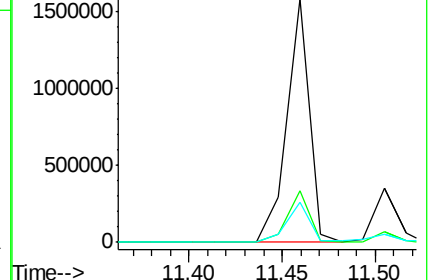
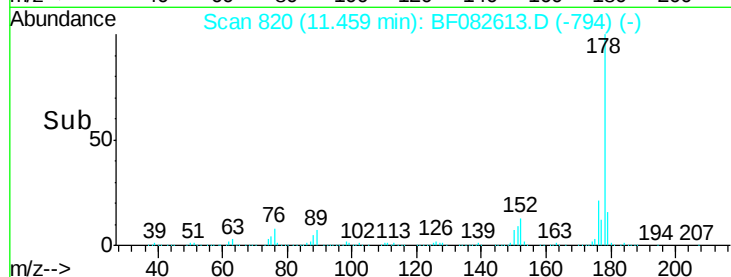
179 16.3 13.4 20.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.61 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

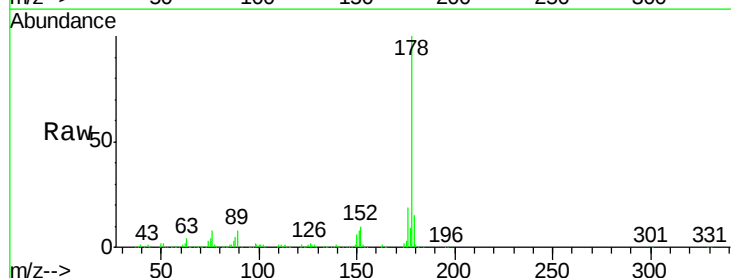
Tgt Ion:178 Resp: 305347

Ion Ratio Lower Upper

178 100

176 18.7 16.5 24.7

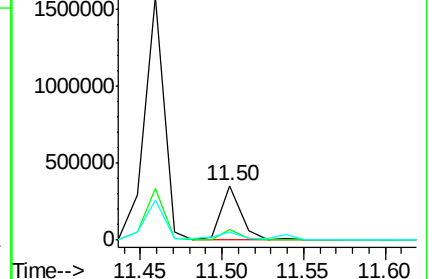
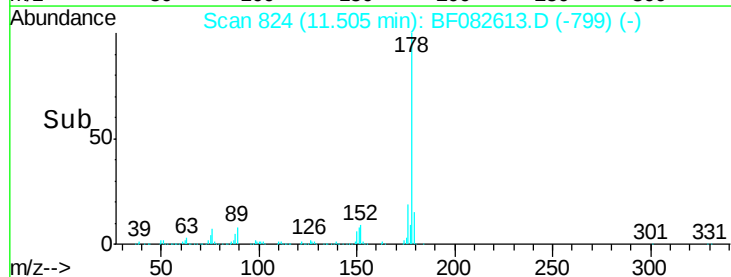
179 15.4 13.2 19.8

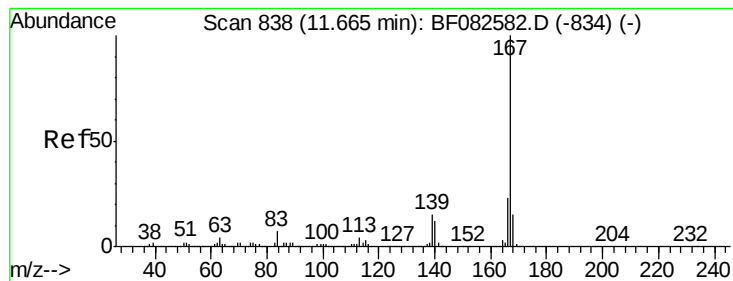


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.72 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

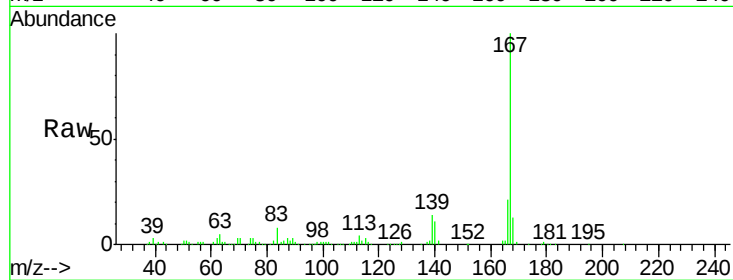
Tgt Ion:167 Resp: 234885

Ion Ratio Lower Upper

167 100

166 21.4 18.7 28.1

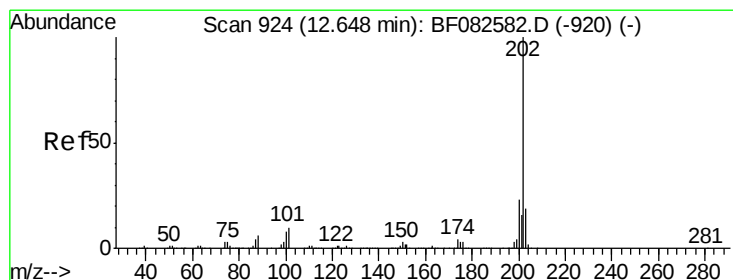
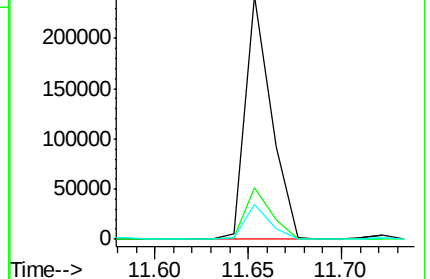
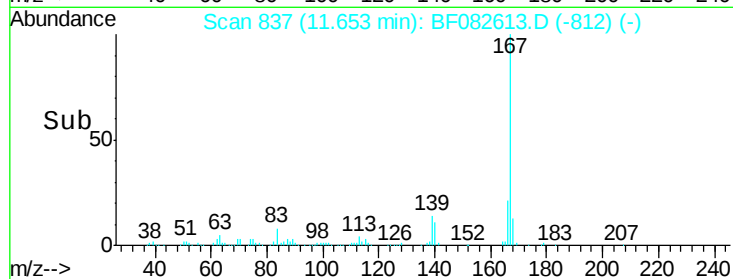
139 14.5 11.8 17.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 31.47 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

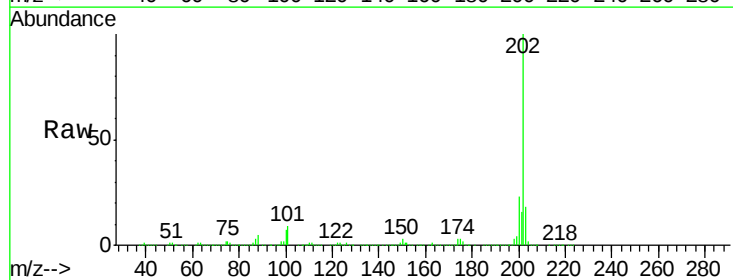
Tgt Ion:202 Resp: 1282134

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.5

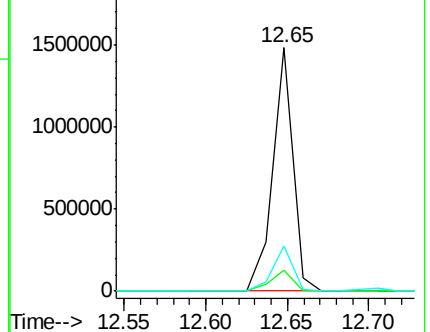
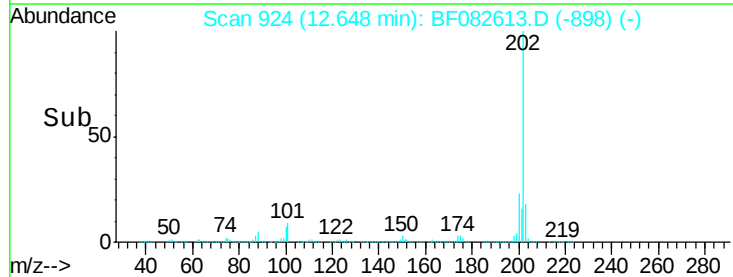
203 18.4 0.0 38.5

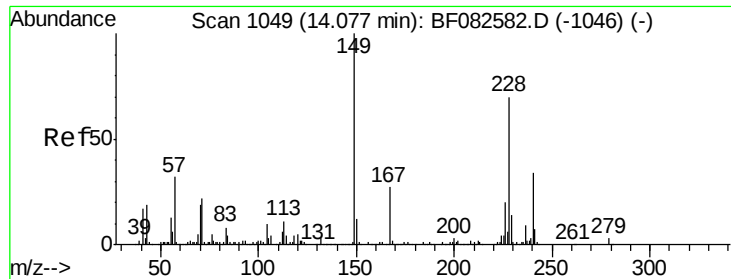


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

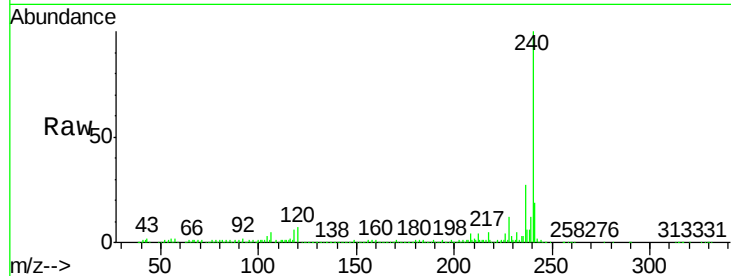
Tgt Ion:240 Resp: 450163

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

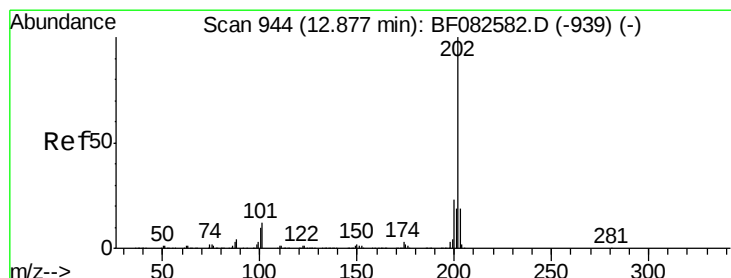
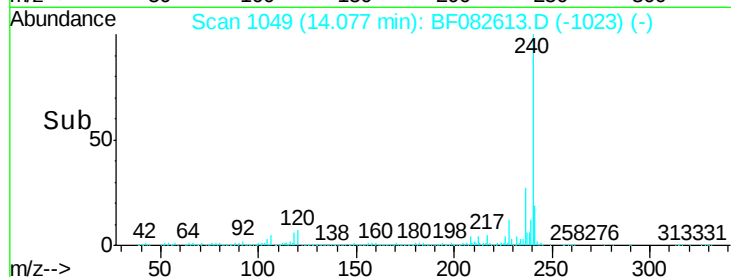
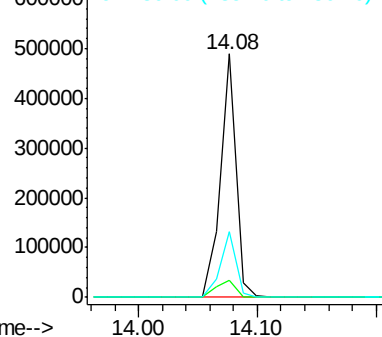
236 26.8 21.6 32.4



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



#77

Pyrene

Concen: 31.16 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

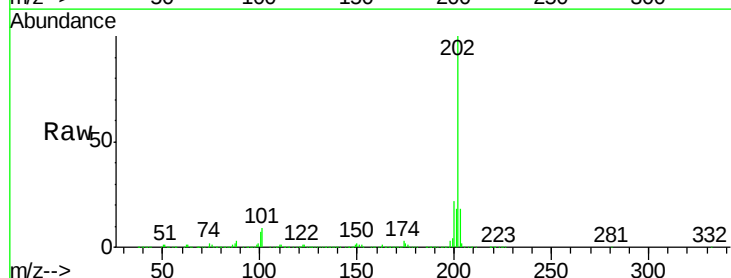
Tgt Ion:202 Resp: 1038594

Ion Ratio Lower Upper

202 100

200 21.7 18.7 28.1

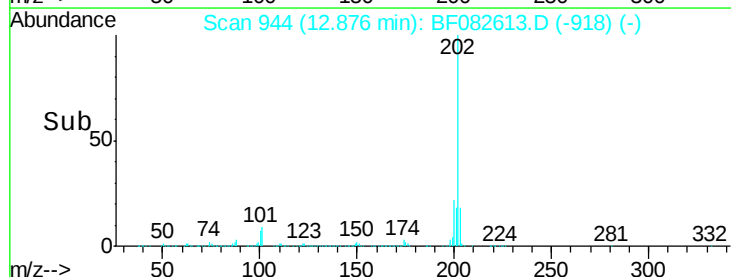
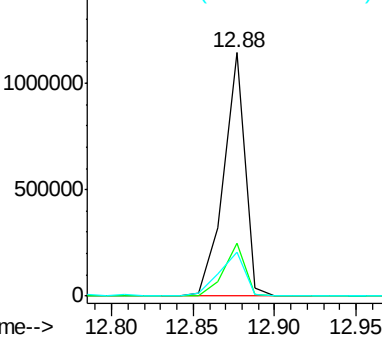
203 18.1 14.8 22.2

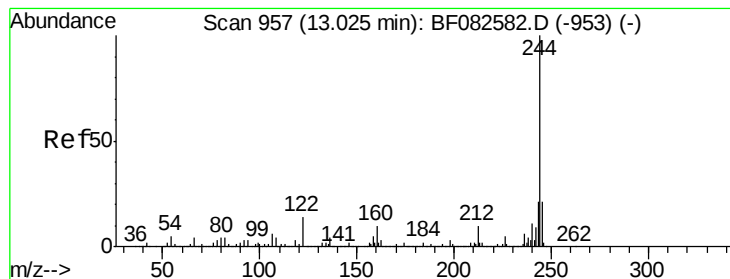


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 22.41 ng

RT: 13.03 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

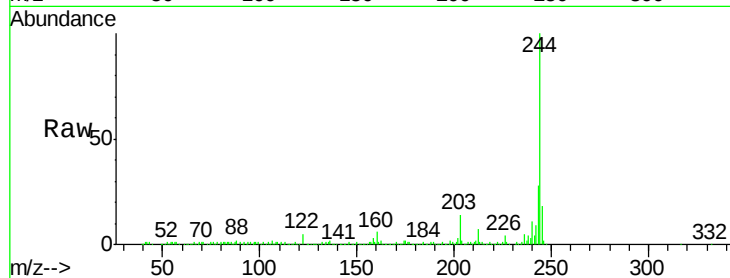
Tgt Ion:244 Resp: 460948

Ion Ratio Lower Upper

244 100

212 7.2 7.6 11.4#

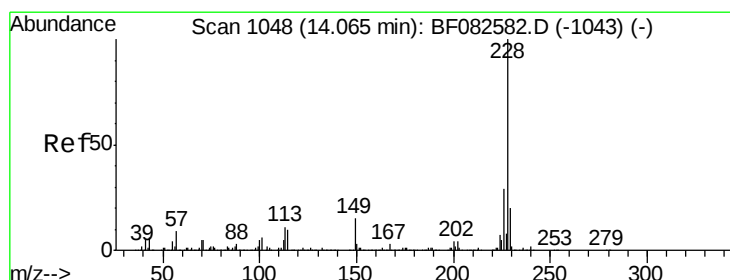
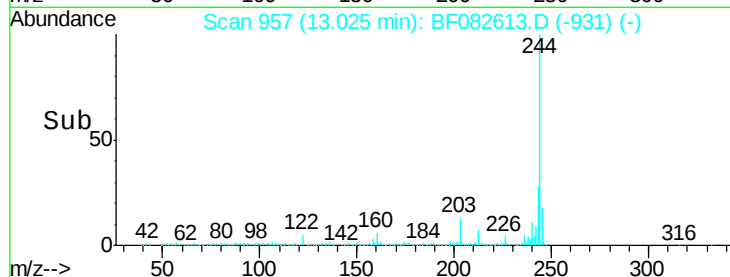
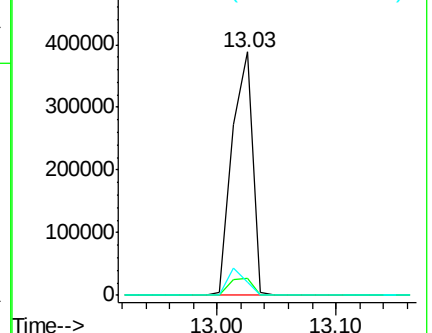
122 5.2 11.3 16.9#



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



#80

Benzo(a)anthracene

Concen: 15.97 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

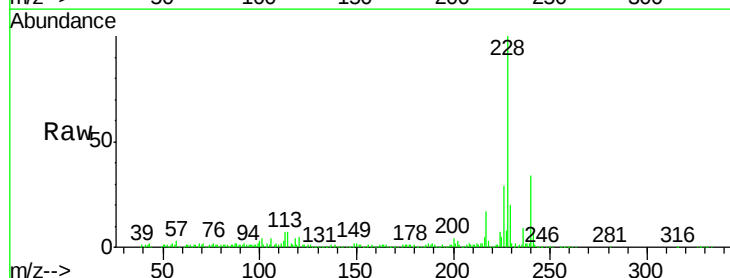
Tgt Ion:228 Resp: 456730

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

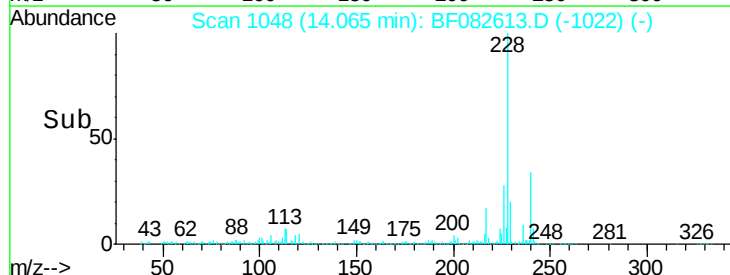
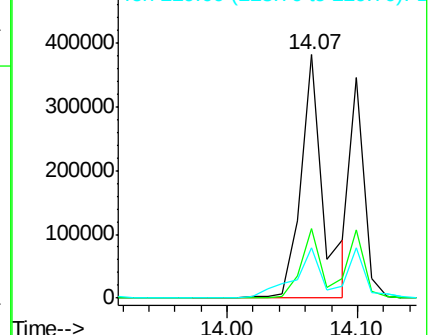
229 20.5 16.3 24.5

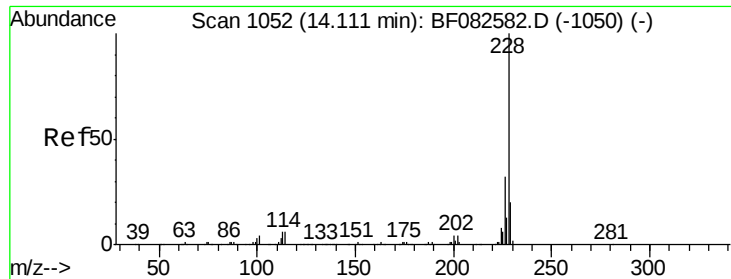


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

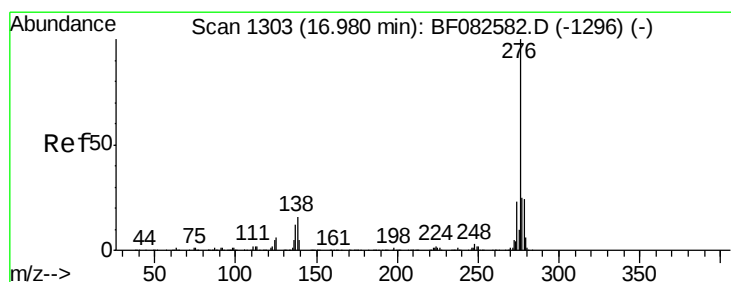
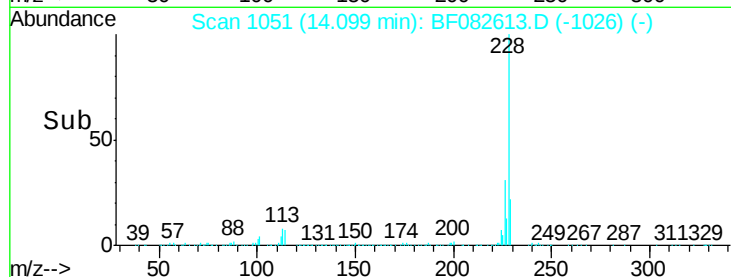
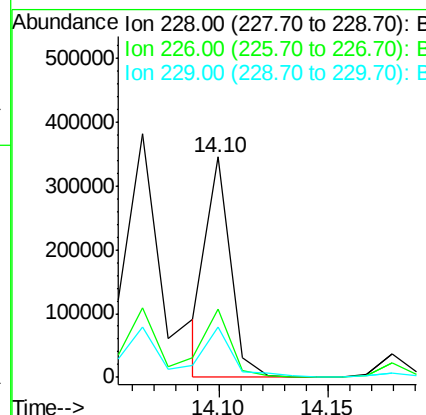
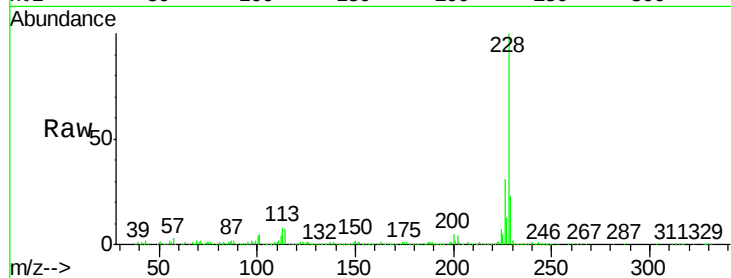




#82  
Chrysene  
Concen: 10.05 ng  
RT: 14.10 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

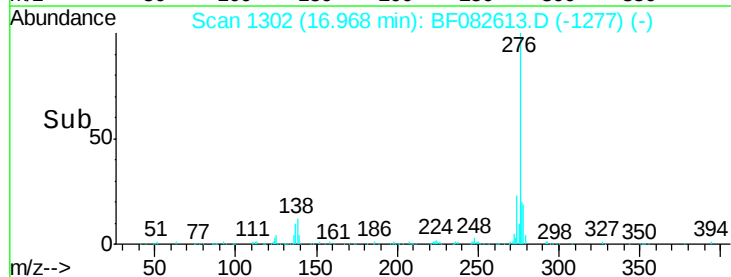
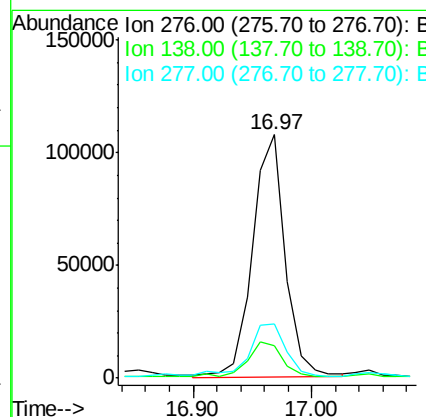
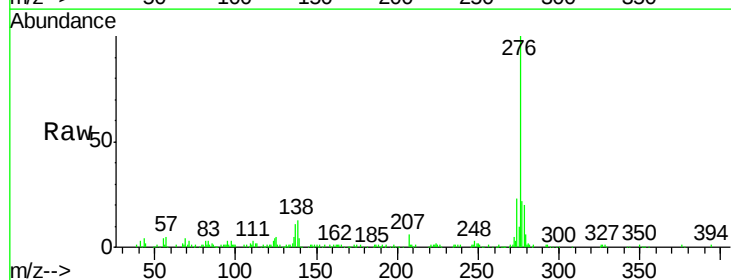
Instrument :  
BNA\_F  
ClientSampleId :  
S6-BOILERROOM2.5FTDEEPL

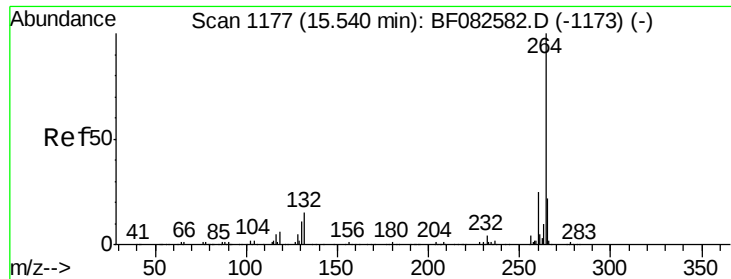
Tgt Ion: 228 Resp: 260393  
Ion Ratio Lower Upper  
228 100  
226 31.0 25.5 38.3  
229 22.6 16.3 24.5



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 9.65 ng  
RT: 16.97 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Tgt Ion: 276 Resp: 206337  
Ion Ratio Lower Upper  
276 100  
138 15.6 15.3 22.9  
277 25.5 20.2 30.4

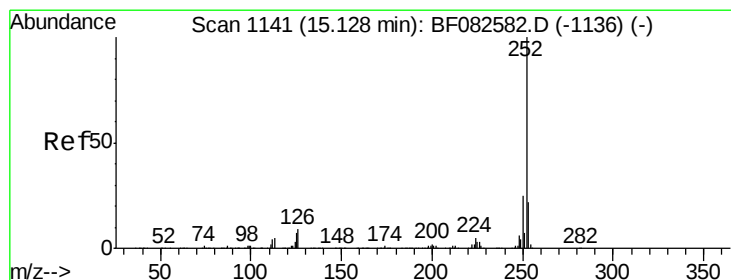
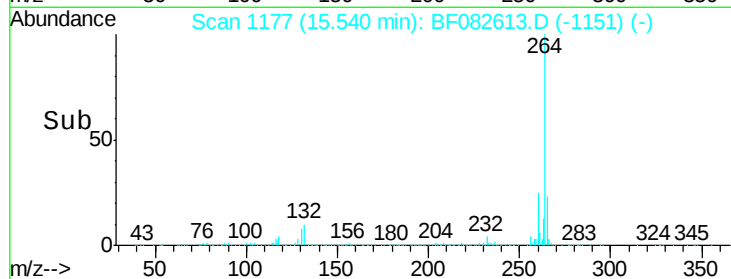
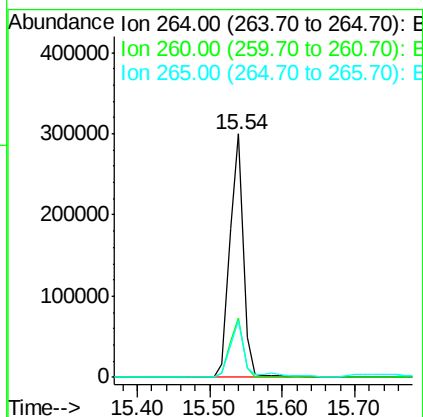
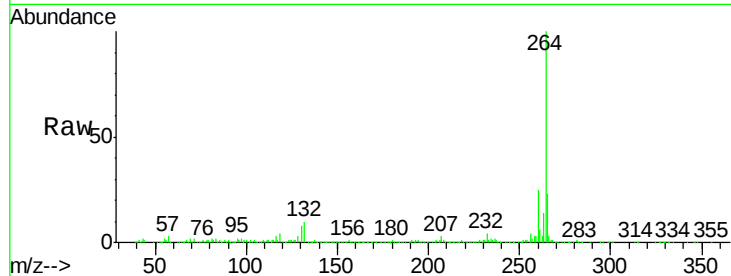




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.54 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

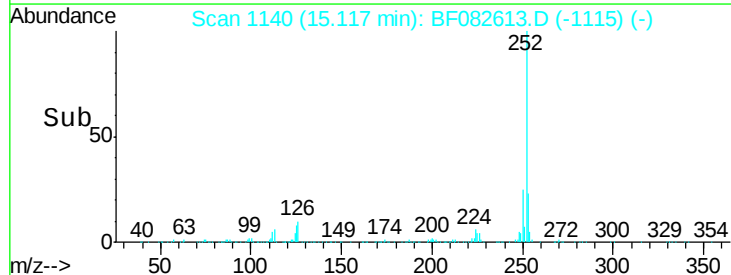
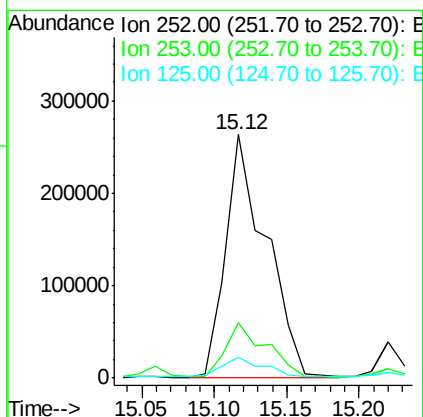
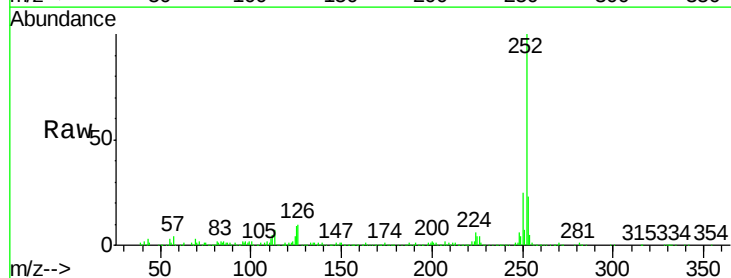
Instrument :  
BNA\_F  
ClientSampleId :  
S6-BOILERROOM2.5FTDEEPL

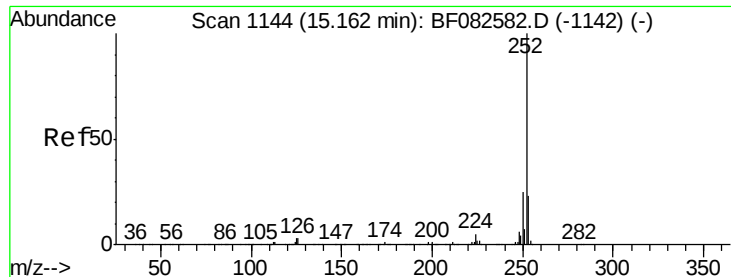
Tgt Ion:264 Resp: 388414  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.8 29.6  
265 23.4 17.4 26.0



#87  
Benzo(b)fluoranthene  
Concen: 19.01 ng  
RT: 15.12 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Tgt Ion:252 Resp: 509183  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.8  
125 8.5 5.4 8.2#

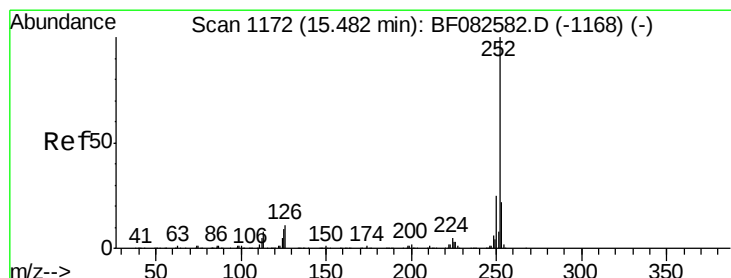
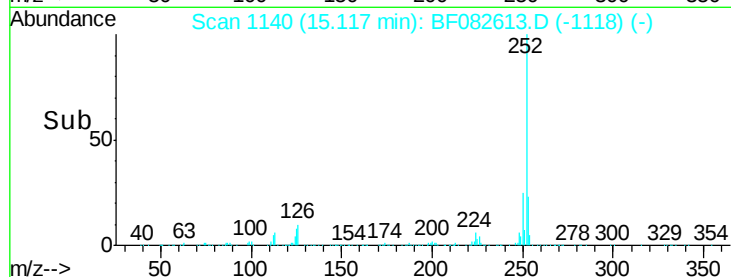
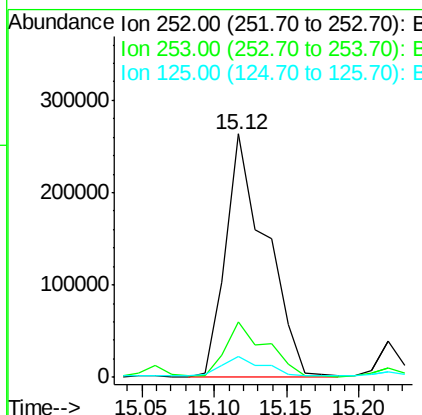
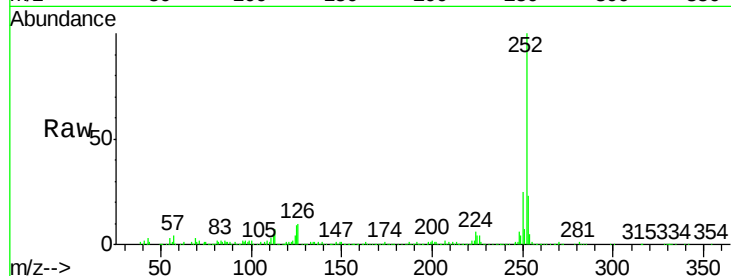




#88  
Benzo(k)fluoranthene  
Concen: 24.95 ng  
RT: 15.12 min Scan# 1140  
Delta R.T. -0.05 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

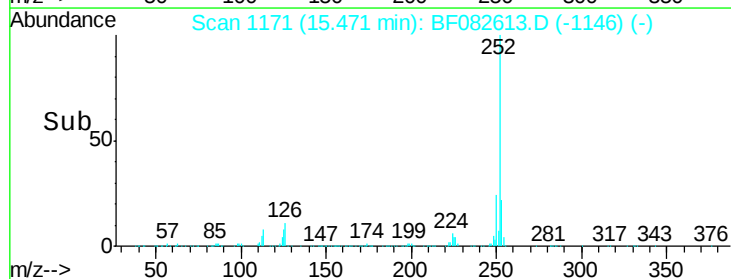
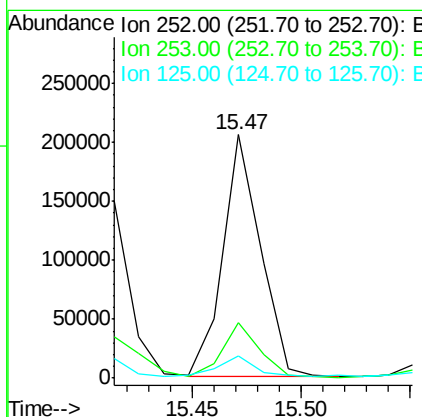
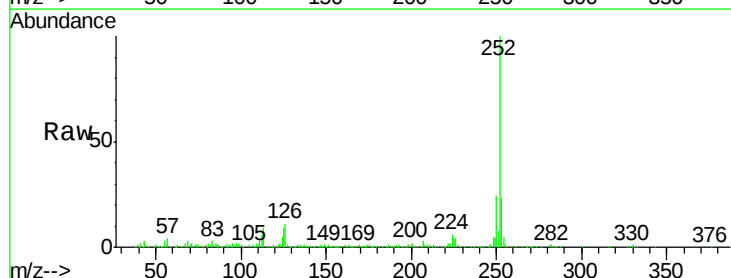
Instrument :  
BNA\_F  
ClientSampleId :  
S6-BOILERROOM2.5FTDEEPL

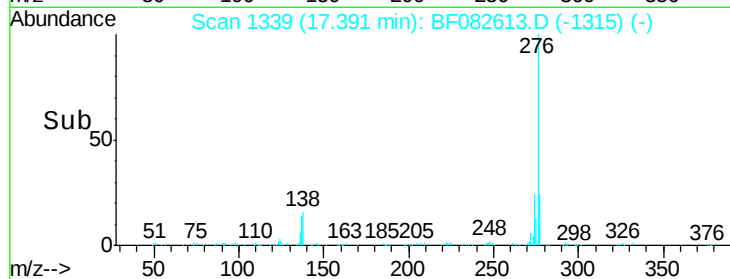
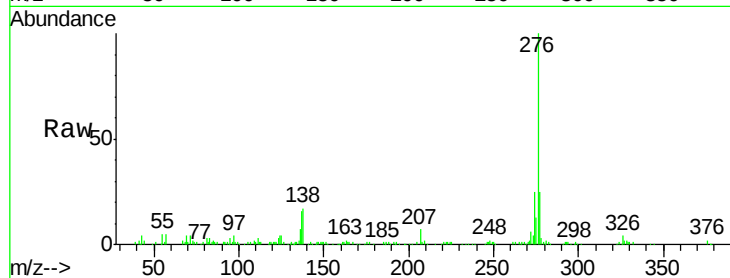
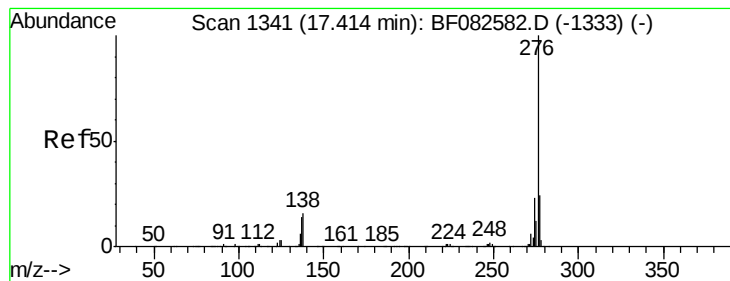
Tgt Ion:252 Resp: 509183  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.9 26.9  
125 8.5 3.5 5.3#



#89  
Benzo(a)pyrene  
Concen: 11.65 ng  
RT: 15.47 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BF082613.D  
Acq: 31 Oct 2015 11:13

Tgt Ion:252 Resp: 245834  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.3 25.9  
125 8.9 7.1 10.7





#91

Benzo(g,h,i)perylene

Concen: 10.14 ng

RT: 17.39 min Scan# 1339

Delta R.T. -0.02 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA\_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

Tgt Ion: 276 Resp: 193482

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 16.5 13.1 19.7

