

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010215\  
 Data File : BF076733.D  
 Acq On : 2 Jan 2015 19:39  
 Operator : IZ / TP  
 Sample : G1001-03  
 Misc : LOD-SOIL-2PPM  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Quant Time: Jan 05 10:24:10 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 02 22:56:46 2015  
 Response via : Initial Calibration

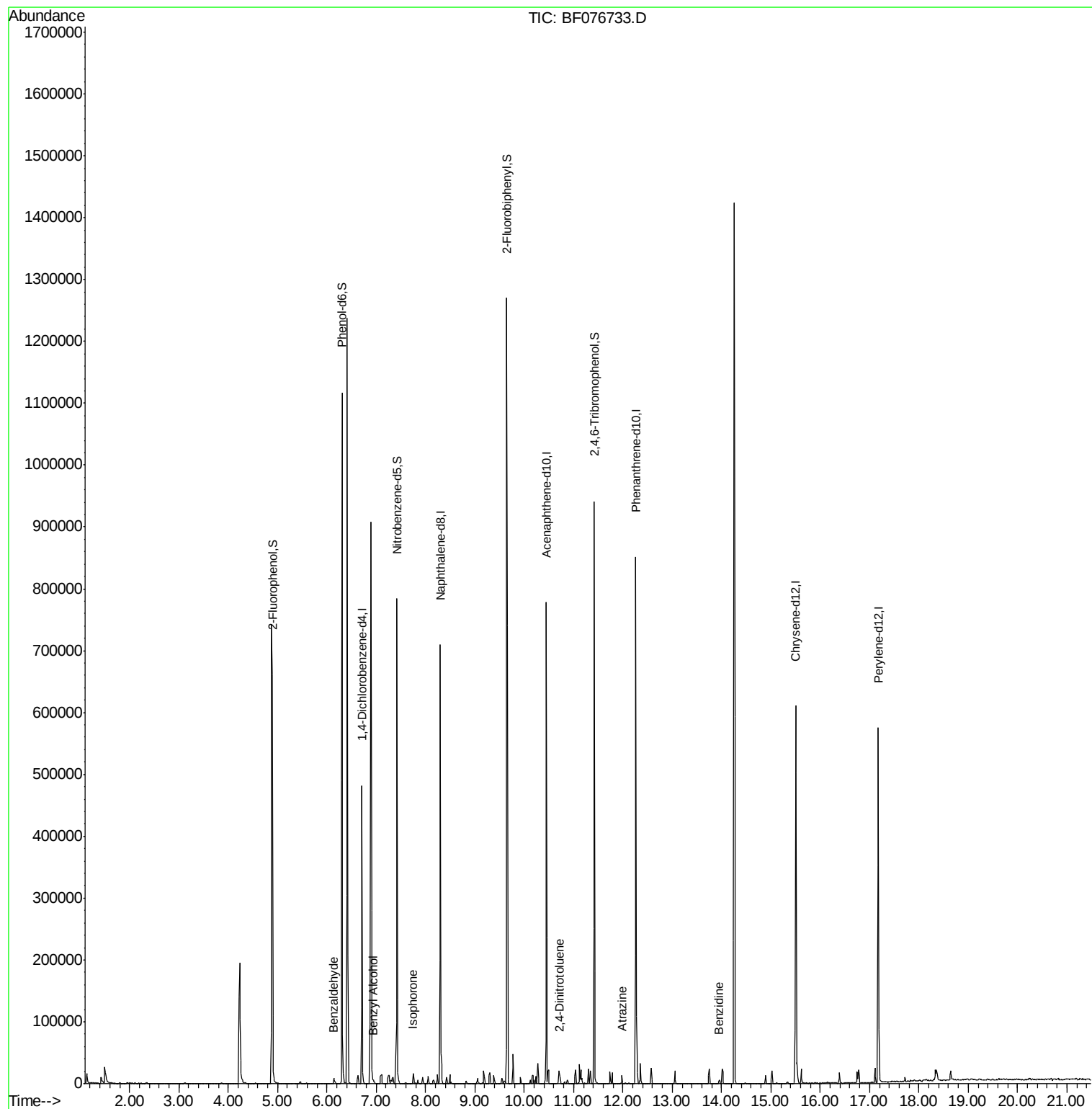
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 75836    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.30  | 136  | 332196   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.45 | 164  | 179221   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.27 | 188  | 322259   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 15.50 | 240  | 308930   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 17.18 | 264  | 273731   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.89  | 112  | 307351   | 68.71 | ng    | 0.01     |
| 7) Phenol-d6                | 6.31  | 99   | 414250   | 75.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 236501   | 42.34 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.42 | 330  | 105489   | 69.64 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.65  | 172  | 488280   | 42.40 | ng    | -0.01    |
| 78) Terphenyl-d14           | 0.00  | 244  | 0d       | 0.00  | ng    |          |
| Target Compounds            |       |      |          |       |       |          |
| 9) Benzaldehyde             | 6.14  | 77   | 3366     | 0.81  | ng    | # 81     |
| 15) Benzyl Alcohol          | 6.94  | 79   | 2851     | 0.60  | ng    | # 69     |
| 25) Isophorone              | 7.75  | 82   | 8639     | 0.80  | ng    | 93       |
| 56) 2,4-Dinitrotoluene      | 10.72 | 165  | 2668     | 0.77  | ng    | # 58     |
| 68) Atrazine                | 11.98 | 200  | 2167     | 0.64  | ng    | 82       |
| 76) Benzydine               | 13.96 | 184  | 4842     | 0.38  | ng    | # 89     |

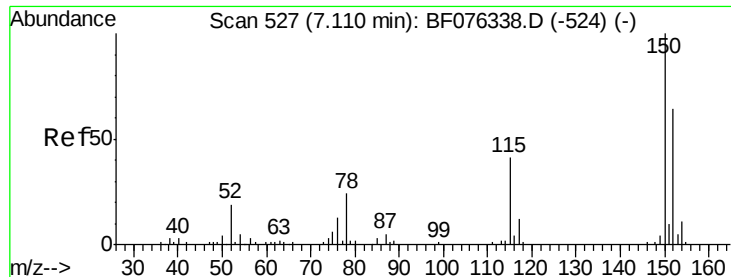
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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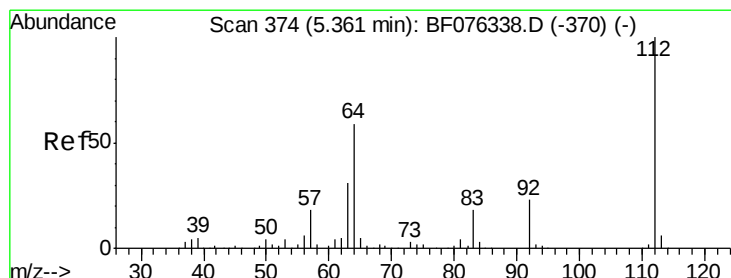
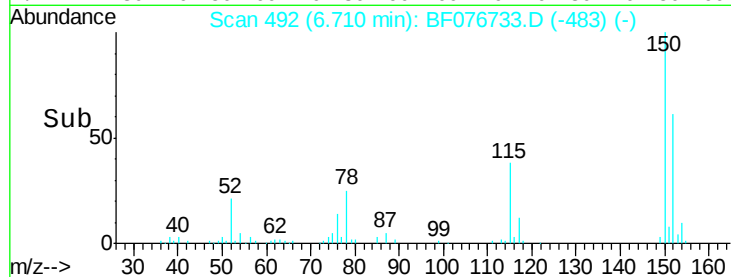
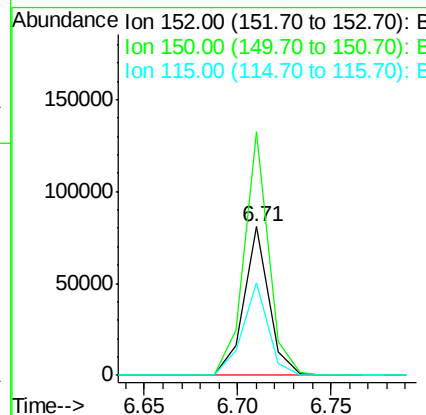
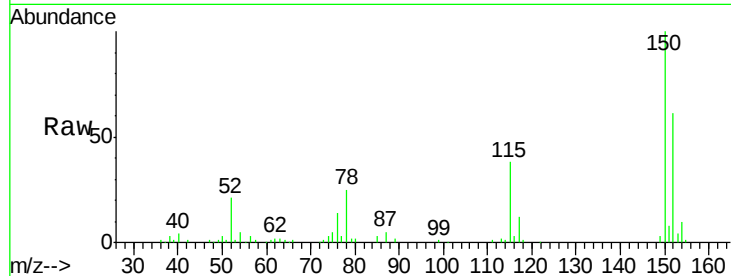


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 492  
Delta R.T. 0.00 min  
Lab File: BF076733.D  
Acq: 2 Jan 2015 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

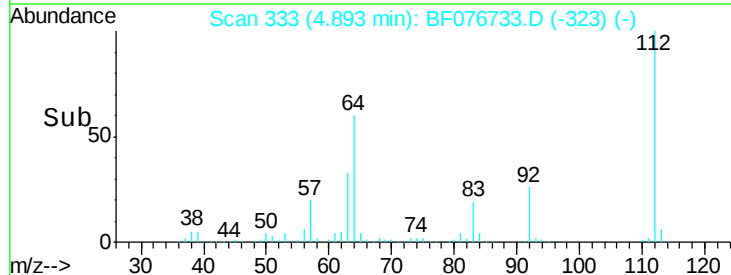
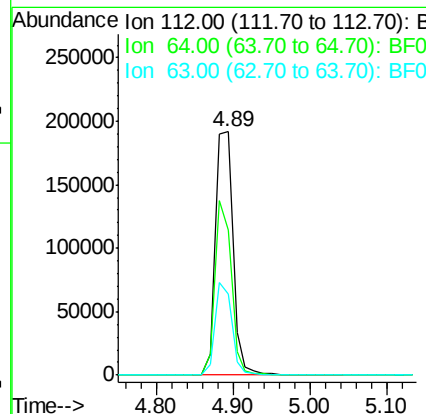
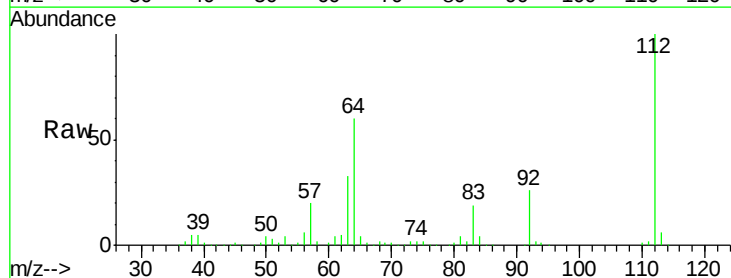
Tot Ion:152 Resp: 75836  
Ion Ratio Lower Upper  
152 100  
150 163.9 125.2 187.8  
115 61.9 51.4 77.0

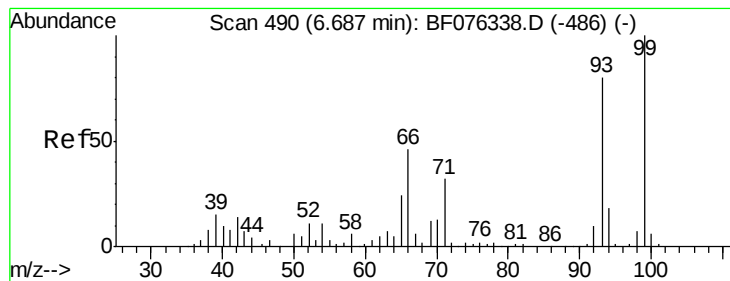


#5

2-Fluorophenol  
Concen: 68.71 ng  
RT: 4.89 min Scan# 333  
Delta R.T. 0.01 min  
Lab File: BF076733.D  
Acq: 2 Jan 2015 19:39

Tgt Ion:112 Resp: 307351  
Ion Ratio Lower Upper  
112 100  
64 59.6 47.4 71.0  
63 33.2 25.0 37.4





#7

Phenol-d6

Concen: 75.82 ng

RT: 6.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

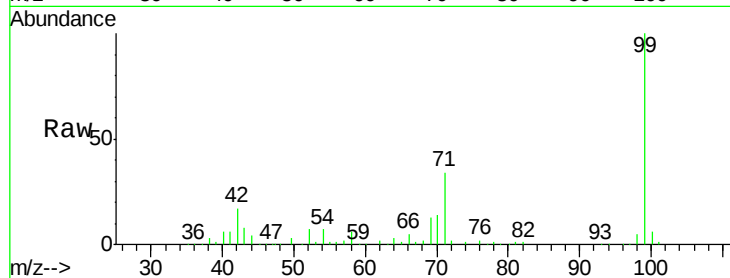
Tot Ion: 99 Resp: 414250

Ion Ratio Lower Upper

99 100

42 16.8 11.6 17.4

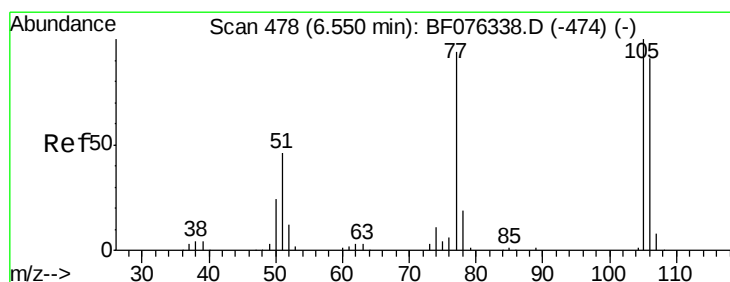
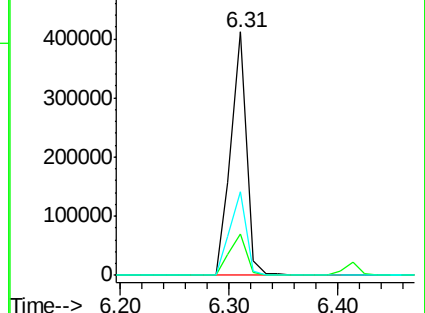
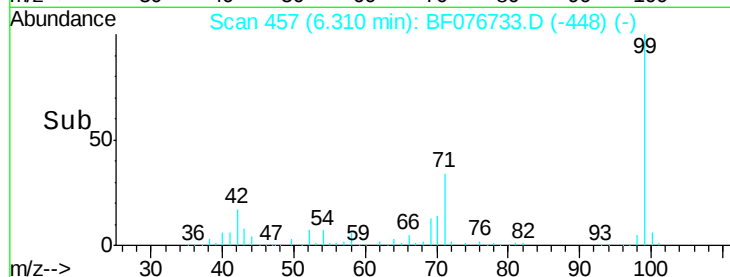
71 34.4 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.81 ng

RT: 6.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

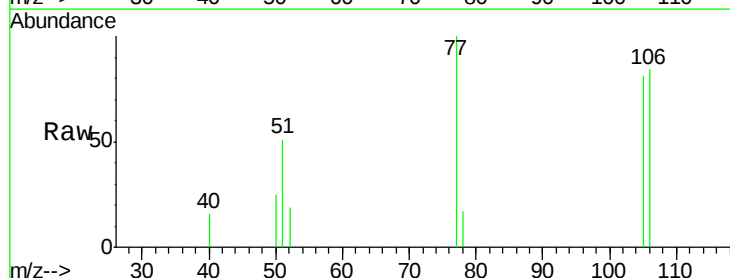
Tgt Ion: 77 Resp: 3366

Ion Ratio Lower Upper

77 100

105 80.6 86.1 126.1#

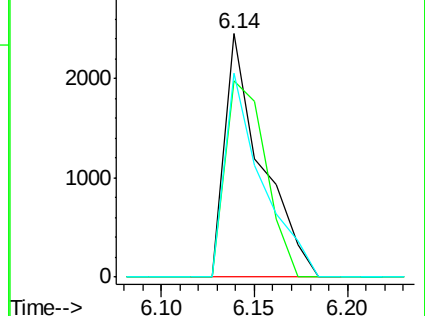
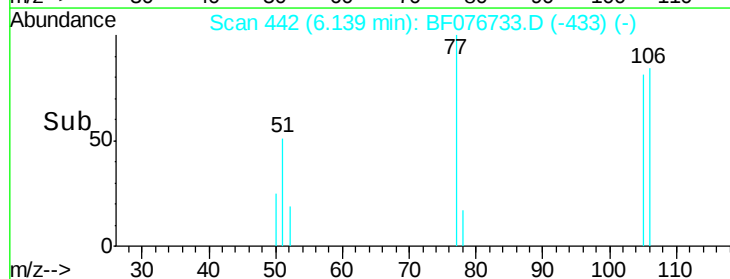
106 83.6 76.8 116.8

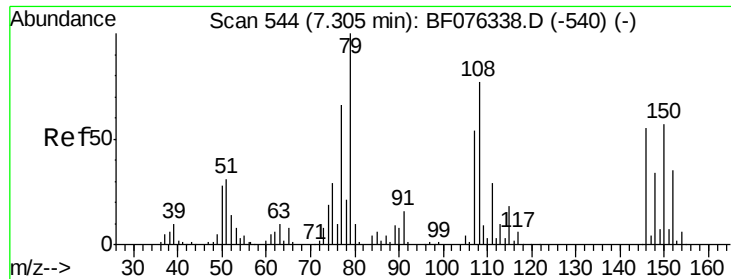


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 0.60 ng

RT: 6.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

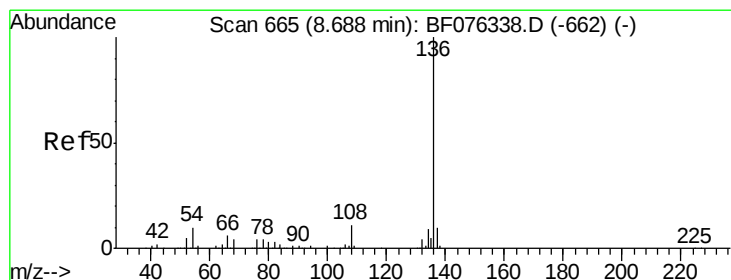
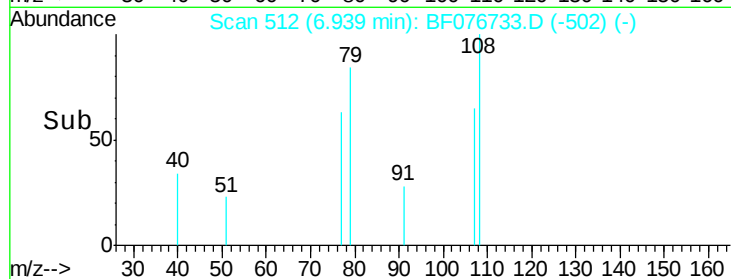
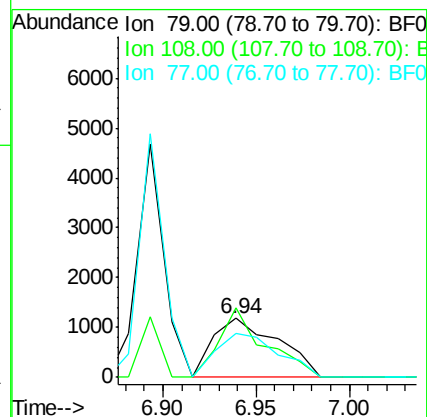
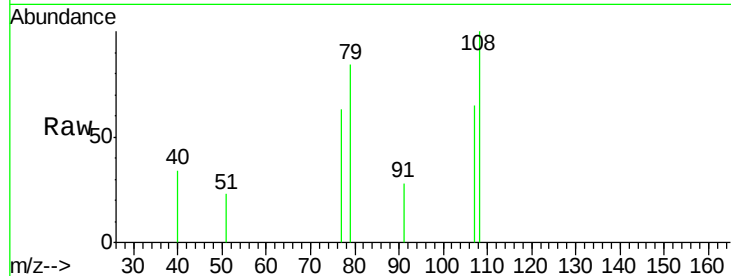
Tot Ion: 79 Resp: 2851

Ion Ratio Lower Upper

79 100

108 118.6 62.0 93.0#

77 75.3 53.0 79.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Tgt Ion: 136 Resp: 332196

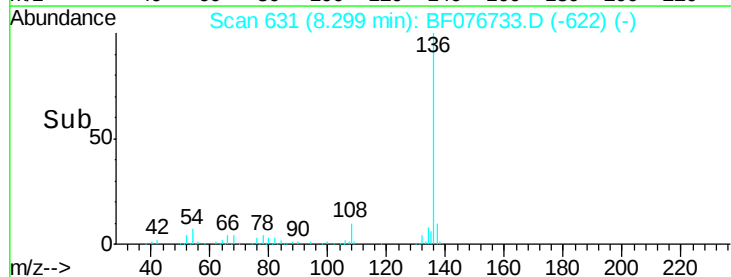
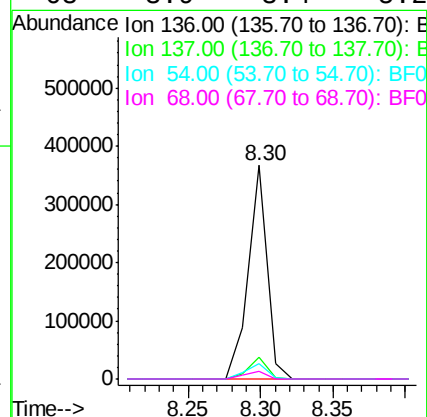
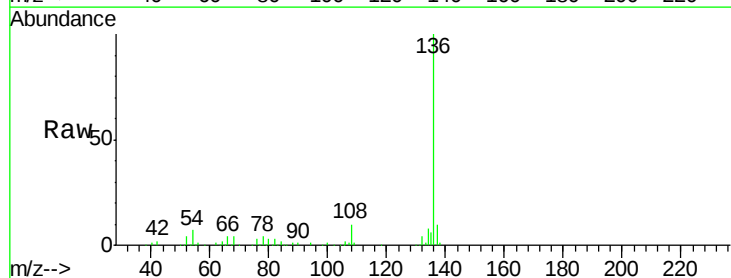
Ion Ratio Lower Upper

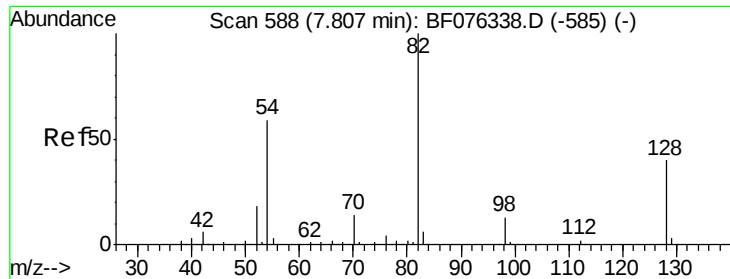
136 100

137 10.4 8.4 12.6

54 7.1 7.8 11.6#

68 3.9 3.4 5.2

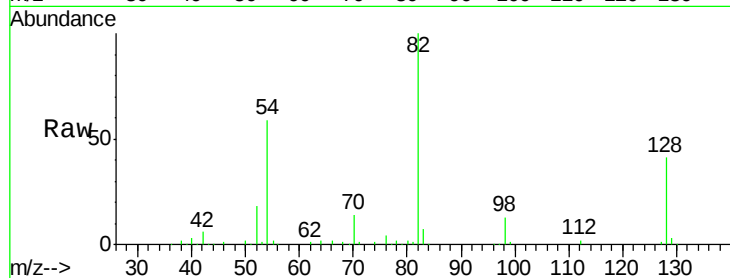




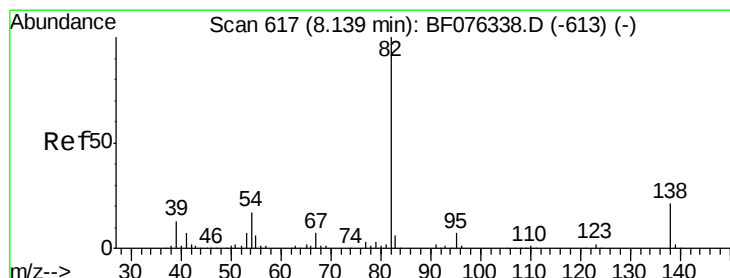
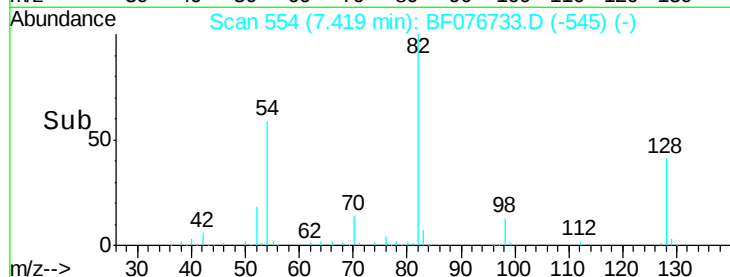
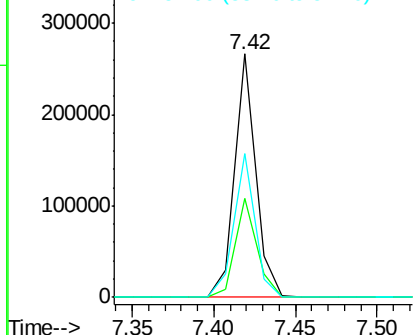
#23  
 Nitrobenzene-d5  
 Concen: 42.34 ng  
 RT: 7.42 min Scan# 554  
 Delta R.T. 0.00 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

Tot Ion: 82 Resp: 236501  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 31.9 47.9  
 54 58.9 47.2 70.8

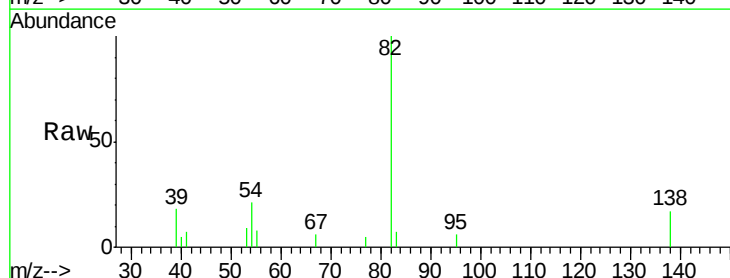


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

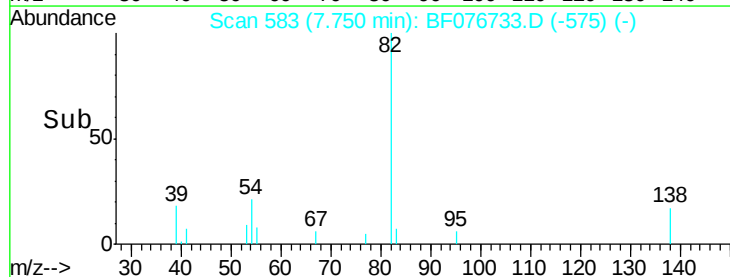
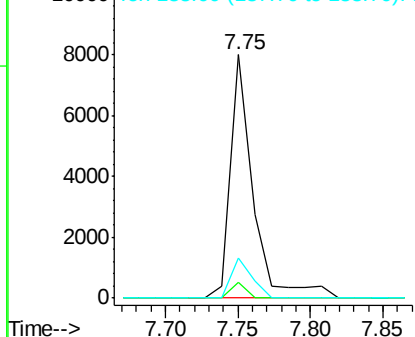


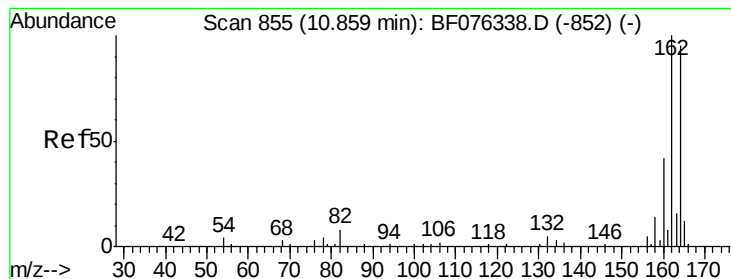
#25  
 Isophorone  
 Concen: 0.80 ng  
 RT: 7.75 min Scan# 583  
 Delta R.T. -0.01 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

Tgt Ion: 82 Resp: 8639  
 Ion Ratio Lower Upper  
 82 100  
 95 6.5 5.9 8.9  
 138 16.6 16.6 25.0



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: 10.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

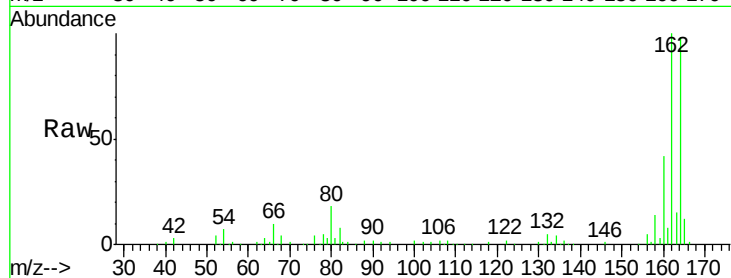
Tot Ion:164 Resp: 179221

Ion Ratio Lower Upper

164 100

162 102.0 84.2 126.2

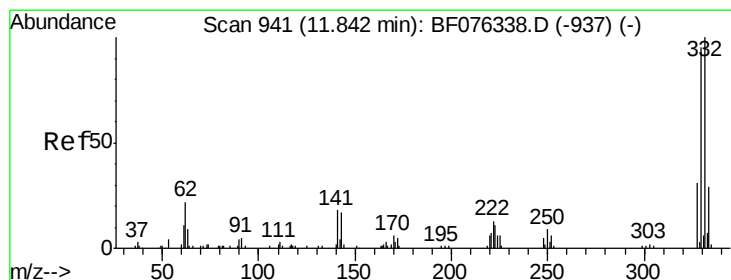
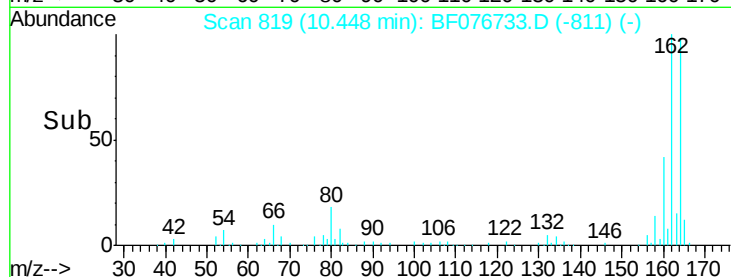
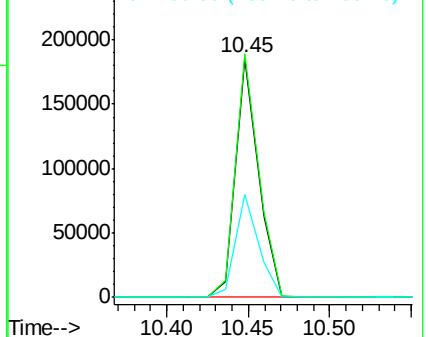
160 43.0 35.5 53.3



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: 69.64 ng

RT: 11.42 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

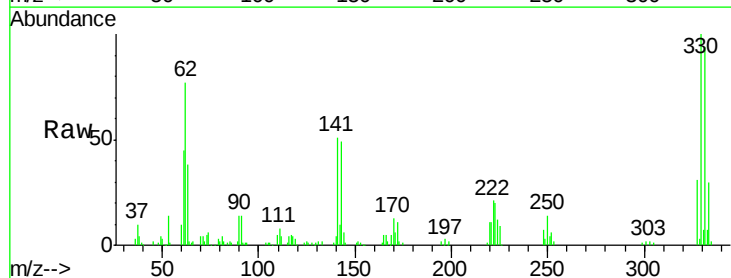
Tgt Ion:330 Resp: 105489

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

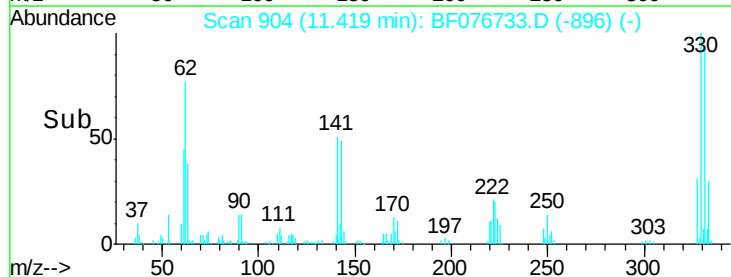
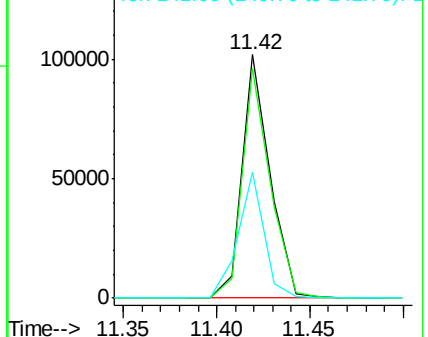
141 48.3 0.0 0.0#

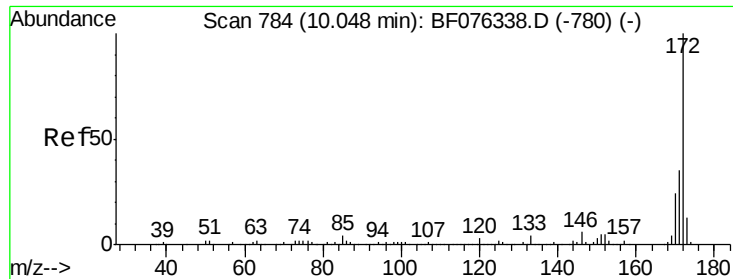


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

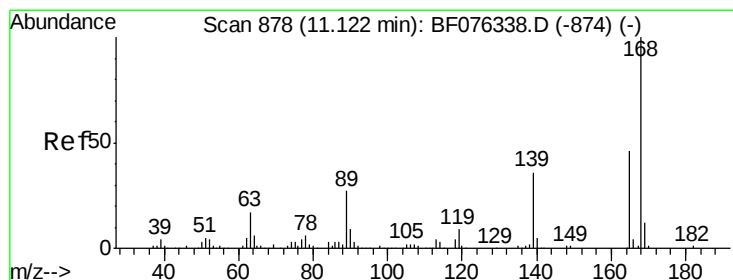
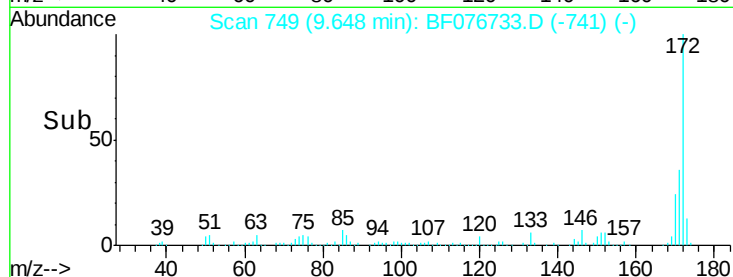
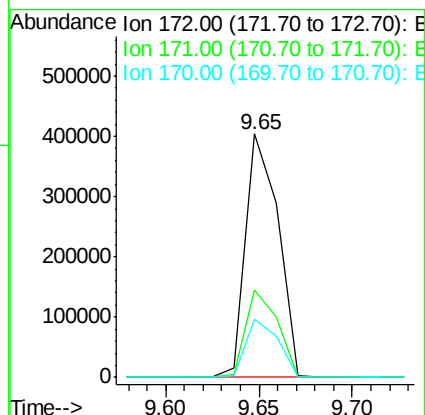
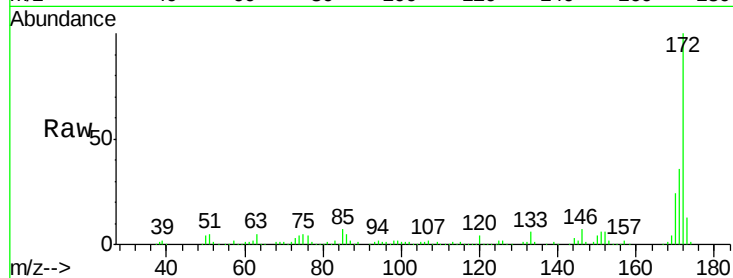




#44  
 2-Fluorobiphenyl  
 Concen: 42.40 ng  
 RT: 9.65 min Scan# 749  
 Delta R.T. -0.01 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

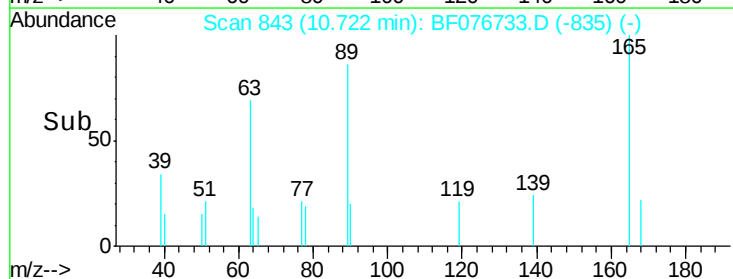
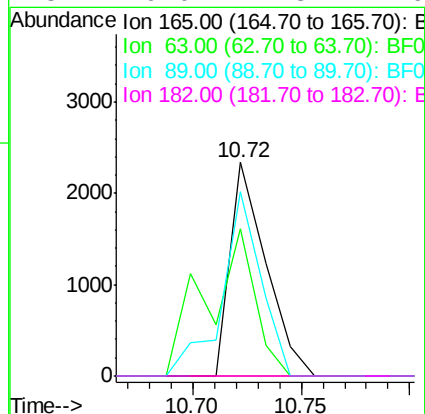
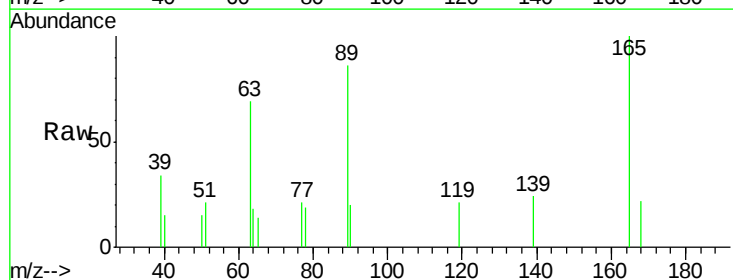
Instrument :  
 BNA\_F  
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 LOD-SOIL2015-01

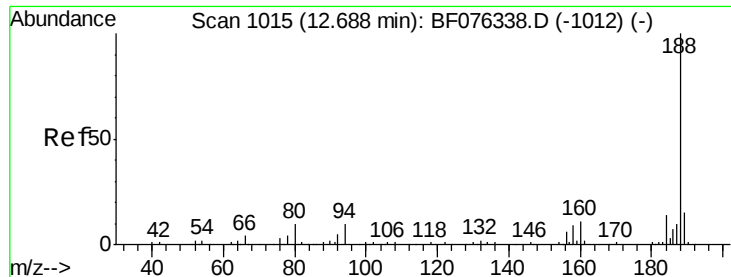
Tot Ion:172 Resp: 488280  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 27.8 41.8  
 170 24.0 19.0 28.4



#56  
 2,4-Dinitrotoluene  
 Concen: 0.77 ng  
 RT: 10.72 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

Tgt Ion:165 Resp: 2668  
 Ion Ratio Lower Upper  
 165 100  
 63 69.1 30.2 45.2#  
 89 86.1 46.8 70.2#  
 182 0.0 1.8 2.6#

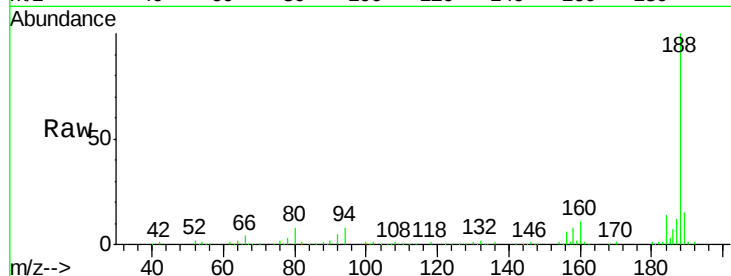




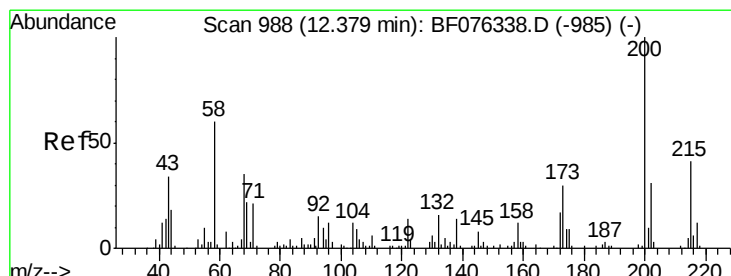
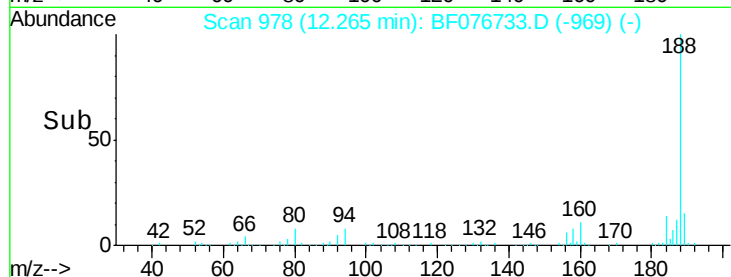
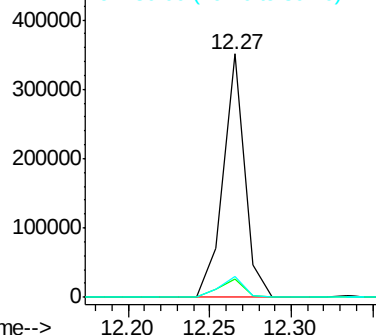
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.27 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: BF076733.D  
Acq: 2 Jan 2015 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-SOIL2015-01

Tot Ion:188 Resp: 322259  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.9 11.9#  
80 8.5 8.2 12.2

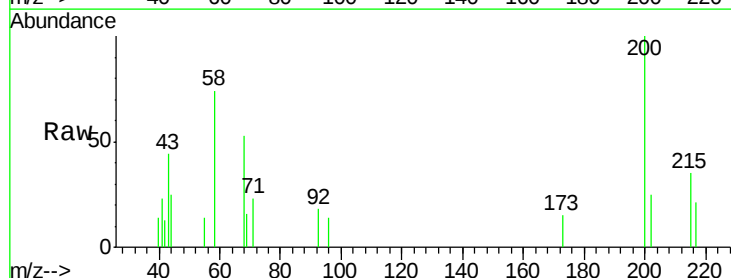


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

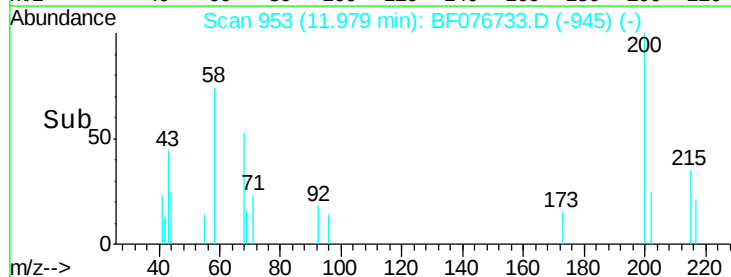
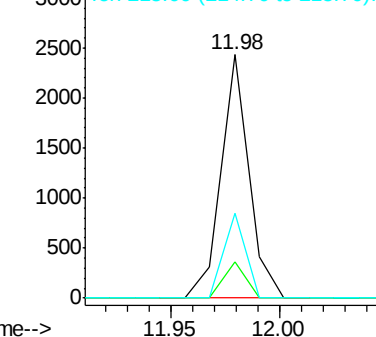


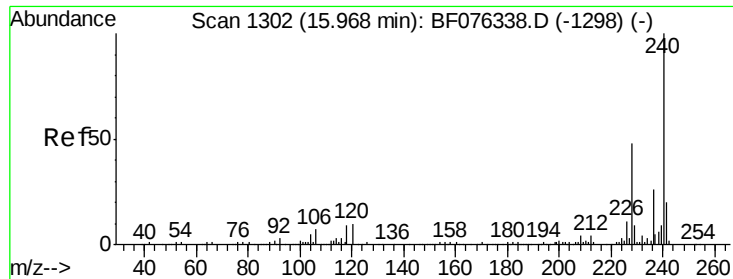
#68  
Atrazine  
Concen: 0.64 ng  
RT: 11.98 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: BF076733.D  
Acq: 2 Jan 2015 19:39

Tgt Ion:200 Resp: 2167  
Ion Ratio Lower Upper  
200 100  
173 15.0 10.0 50.0  
215 34.8 21.4 61.4



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

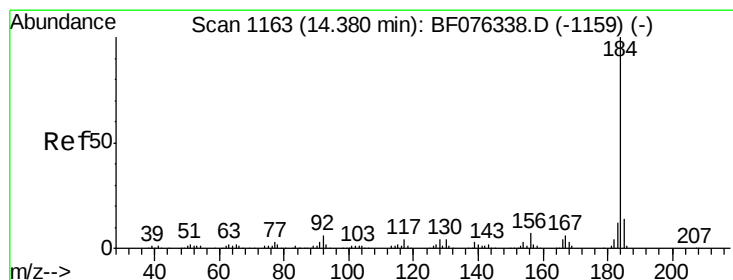
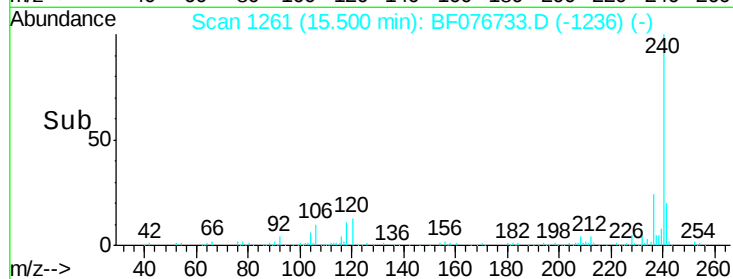
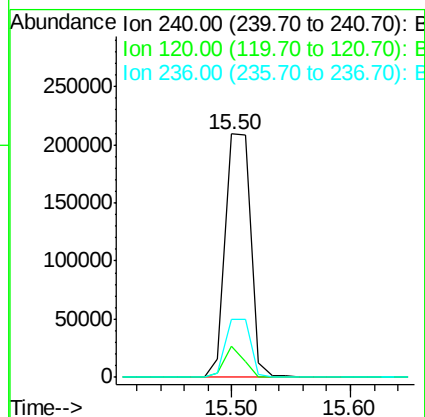
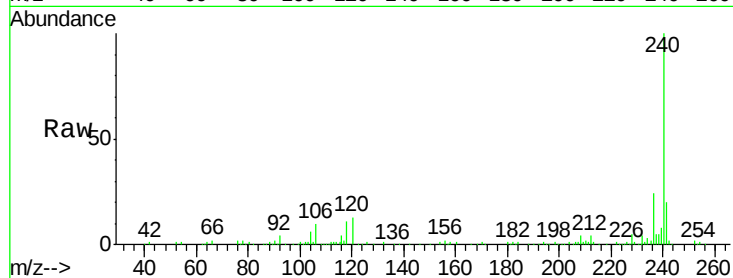




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 15.50 min Scan# 1261  
 Delta R.T. -0.01 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

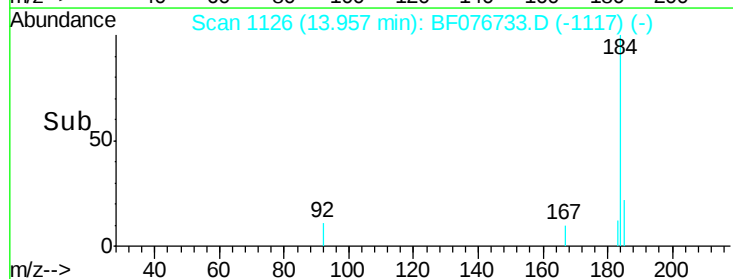
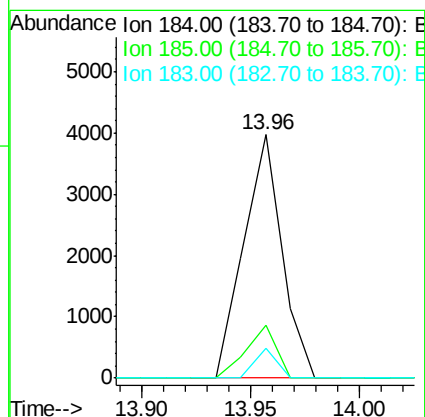
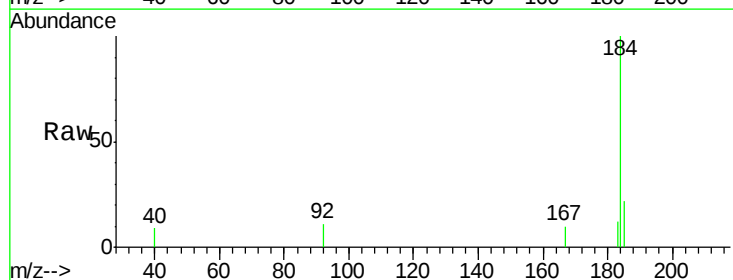
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-SOIL2015-01

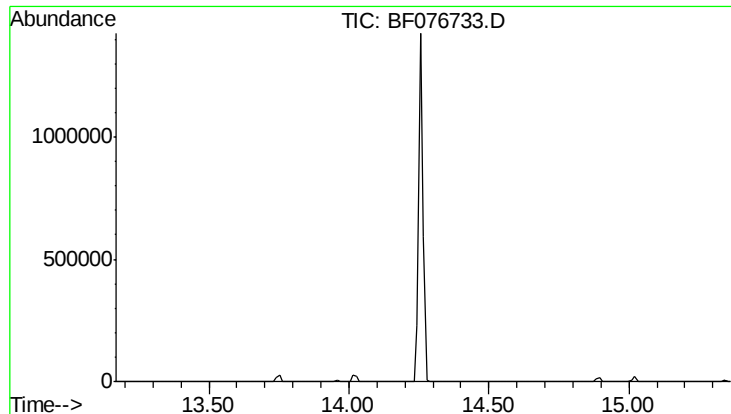
Tot Ion:240 Resp: 308930  
 Ion Ratio Lower Upper  
 240 100  
 120 12.9 8.0 12.0#  
 236 23.8 20.6 30.8



#76  
 Benzidine  
 Concen: 0.38 ng  
 RT: 13.96 min Scan# 1126  
 Delta R.T. 0.00 min  
 Lab File: BF076733.D  
 Acq: 2 Jan 2015 19:39

Tgt Ion:184 Resp: 4842  
 Ion Ratio Lower Upper  
 184 100  
 185 21.6 11.4 17.0#  
 183 12.3 9.3 13.9





#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.27 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Instrument :

BNA\_F

ClientSampleId :

LOD-SOIL2015-01

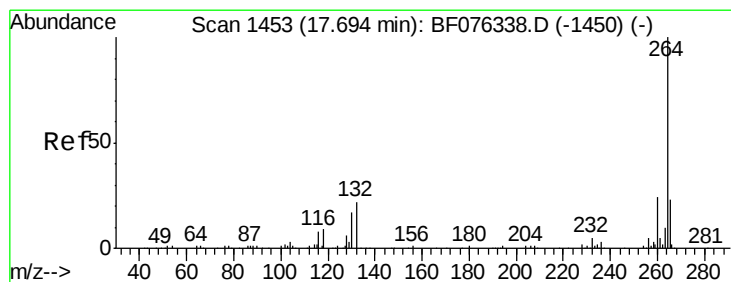
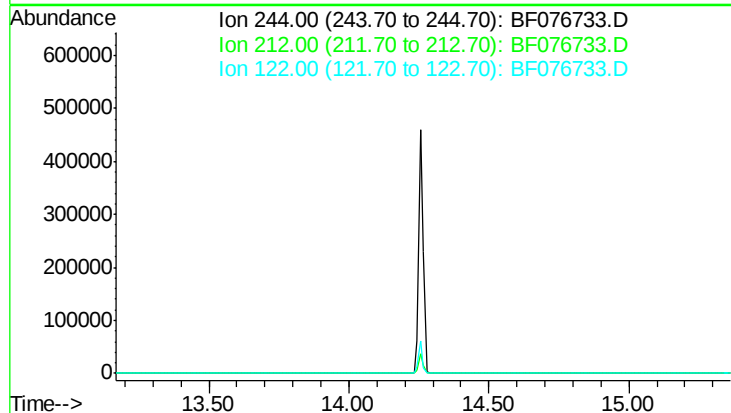
Tot Ion: 244

Sig Exp Ratio

244 100

212 7.7

122 10.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.18 min Scan# 1408

Delta R.T. -0.03 min

Lab File: BF076733.D

Acq: 2 Jan 2015 19:39

Tgt Ion: 264 Resp: 273731

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 20.7 18.1 27.1

