

Data Path : Z:\HPCHEM1\BNA F\Data\BF102115\  
 Data File : BF082413.D  
 Acq On : 21 Oct 2015 19:30  
 Operator : UM/IZ  
 Sample : G4101-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S1

Quant Time: Oct 22 10:23:20 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

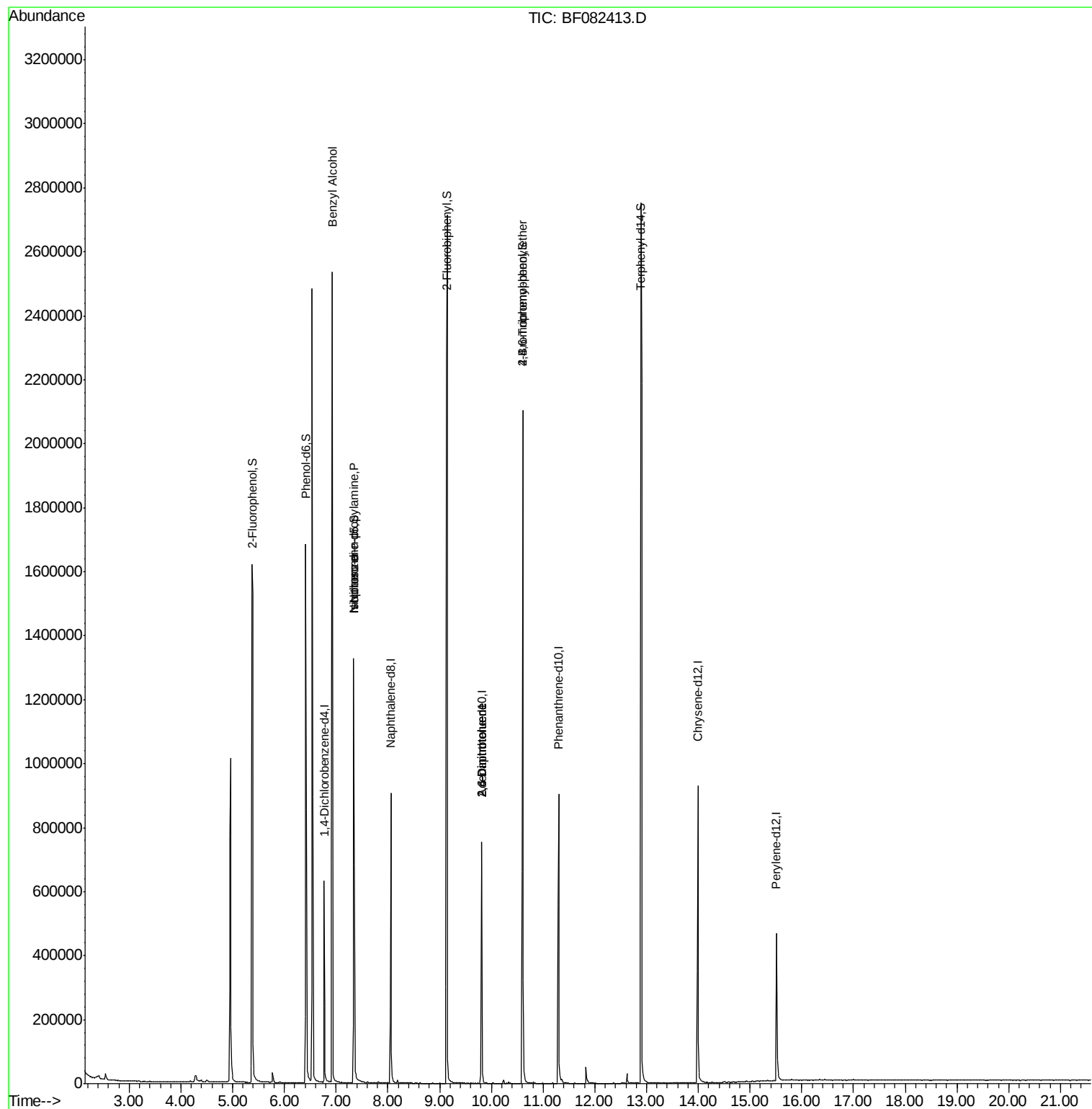
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 115412   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.06  | 136  | 447915   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.82  | 164  | 226022   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 471880   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.99 | 240  | 406931   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.51 | 264  | 281347   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 700442   | 122.49 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.41  | 99   | 767789   | 103.17 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 578245   | 86.70  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.61 | 330  | 239544   | 113.01 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1326141  | 97.30  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.89 | 244  | 1333344  | 86.83  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.93  | 79   | 10958    | 2.13   | ng    | # 50     |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 73200    | 14.01  | ng    | # 81     |
| 25) Isophorone                 | 7.34  | 82   | 520643   | 38.68  | ng    | # 66     |
| 50) 2,6-Dinitrotoluene         | 9.82  | 165  | 27910    | 8.31   | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 27910    | 6.65   | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.61 | 248  | 18825    | 3.99   | ng    | # 1      |

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

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Time: Oct 22 10:23:20 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  
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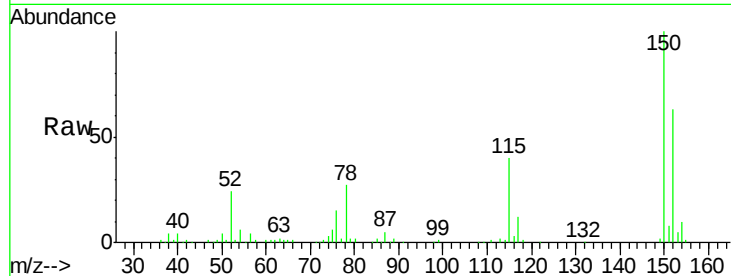


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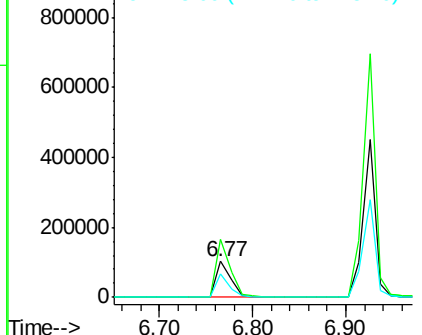
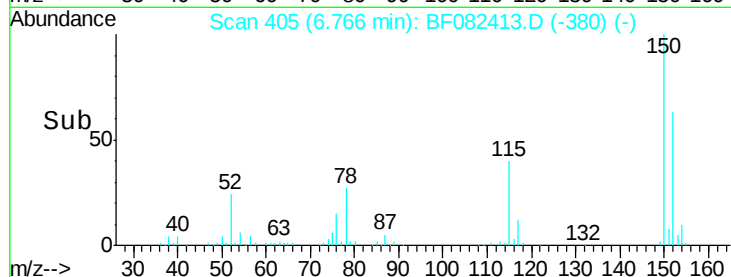
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Instrument :  
BNA\_F  
ClientSampled :  
S1

Tot Ion:152 Resp: 115412  
Ion Ratio Lower Upper  
152 100  
150 160.0 129.0 193.4  
115 64.0 52.1 78.1



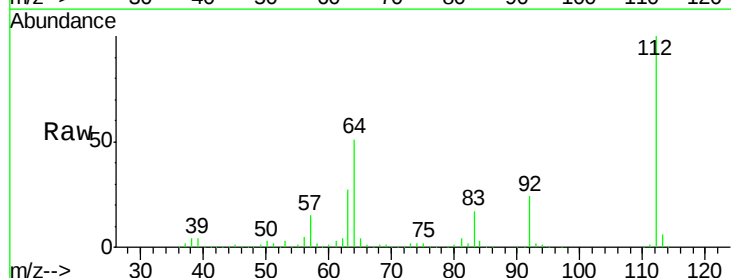
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



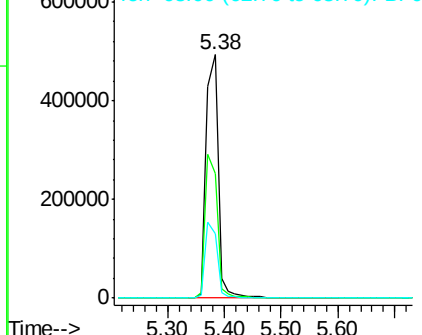
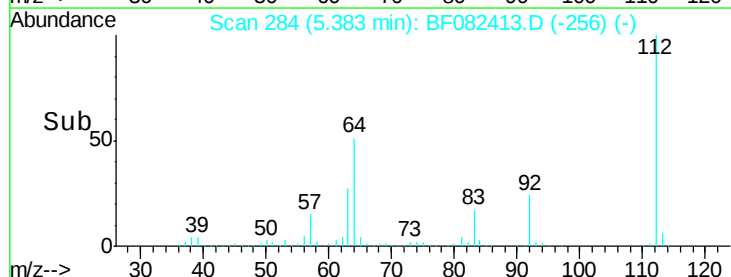
#5

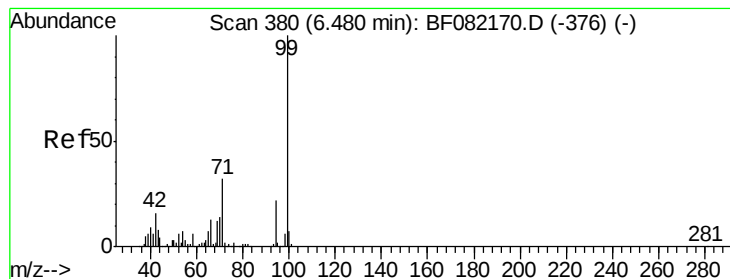
2-Fluorophenol  
Concen: 122.49 ng  
RT: 5.38 min Scan# 284  
Delta R.T. 0.02 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Tgt Ion:112 Resp: 700442  
Ion Ratio Lower Upper  
112 100  
64 51.0 48.6 73.0  
63 26.5 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: 103.17 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampleId :

S1

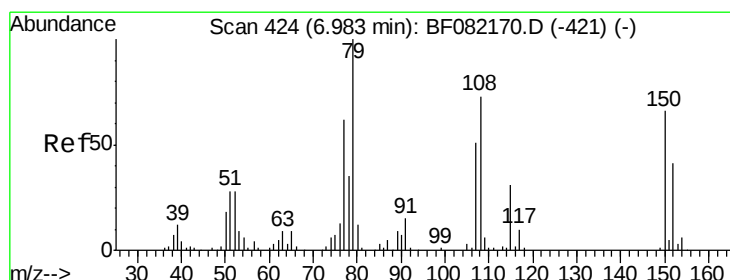
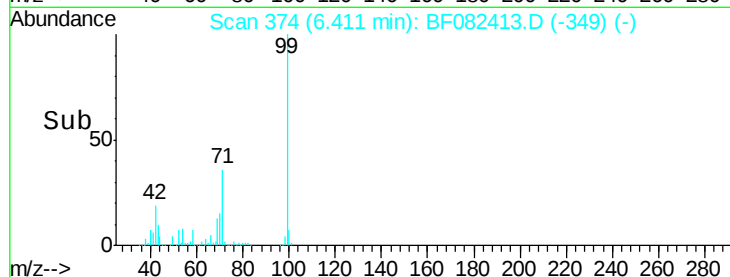
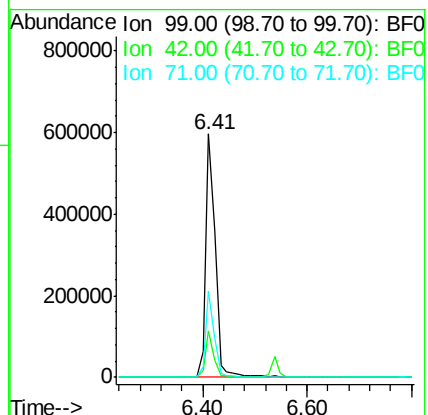
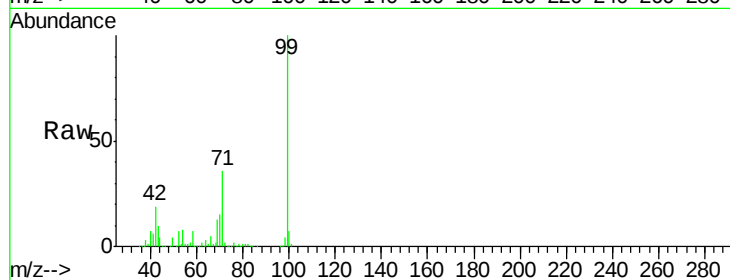
Tot Ion: 99 Resp: 767789

Ion Ratio Lower Upper

99 100

42 19.1 13.2 19.8

71 35.5 25.6 38.4



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

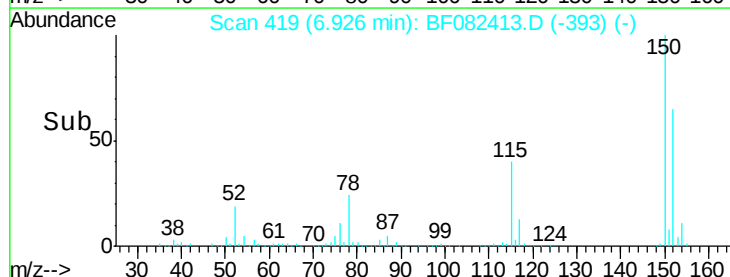
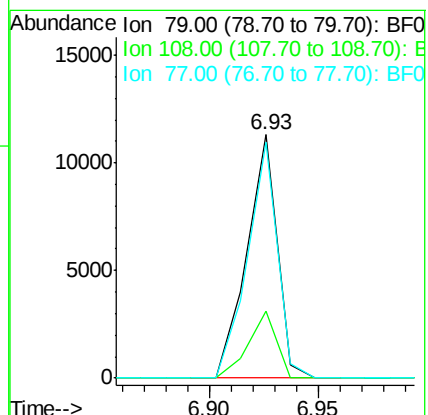
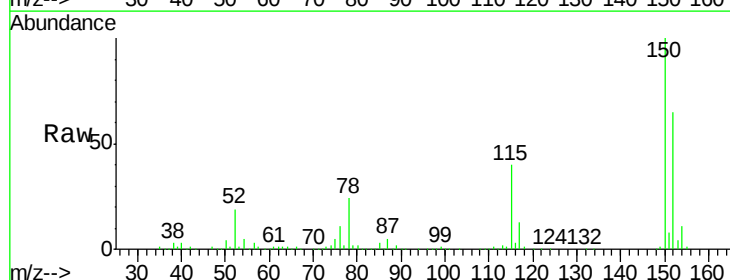
Tgt Ion: 79 Resp: 10958

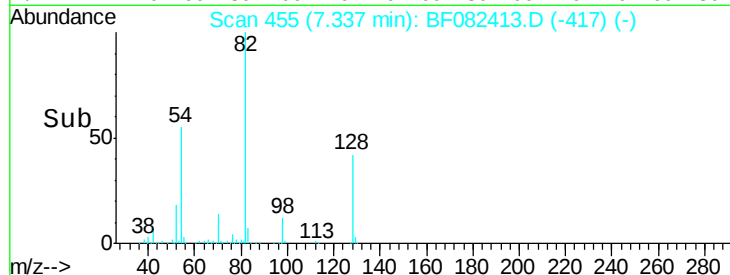
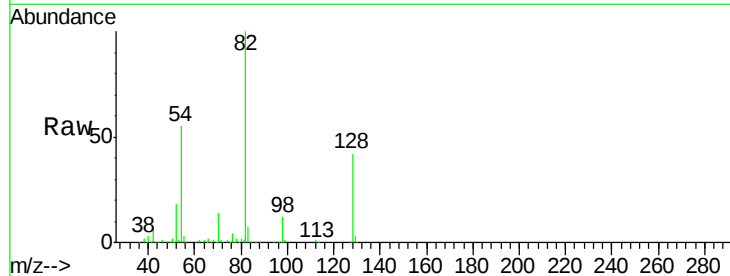
Ion Ratio Lower Upper

79 100

108 27.6 58.4 87.6#

77 97.1 49.8 74.6#

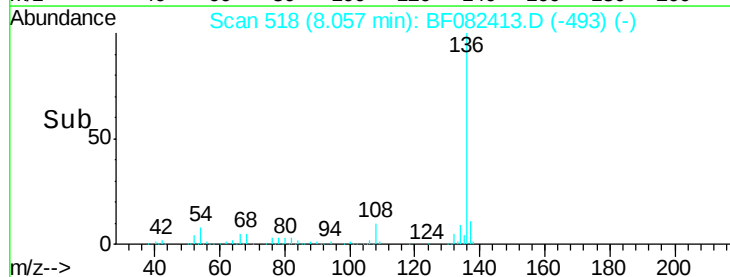
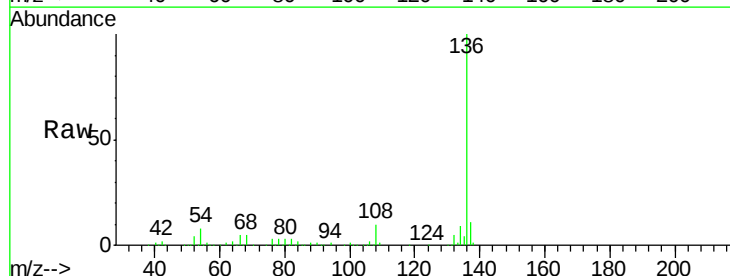
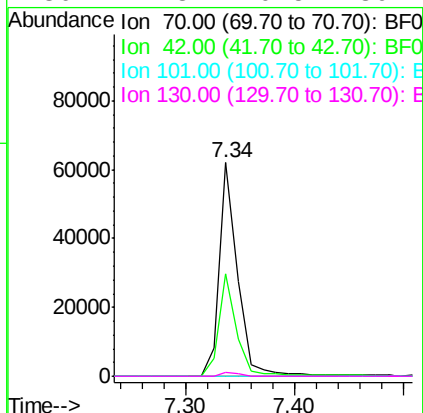




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.01 ng  
RT: 7.34 min Scan# 455  
Delta R.T. 0.14 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

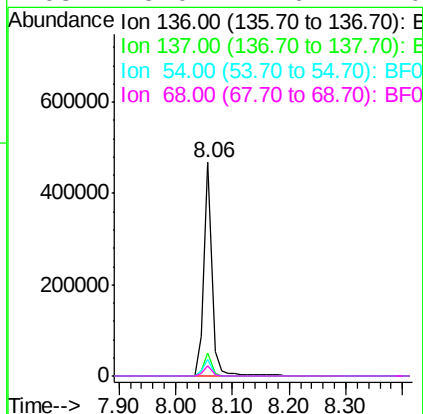
Instrument :  
BNA\_F  
ClientSampleId :  
S1

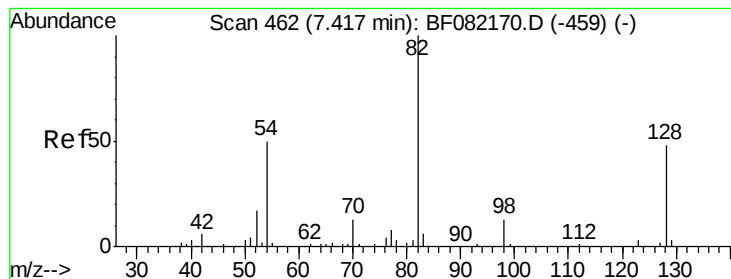
Tot Ion: 70 Resp: 73200  
Ion Ratio Lower Upper  
70 100  
42 48.0 39.8 59.8  
101 0.0 8.6 13.0#  
130 1.8 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 518  
Delta R.T. -0.01 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Tgt Ion: 136 Resp: 447915  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 7.7 7.5 11.3  
68 5.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 86.70 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampled :

S1

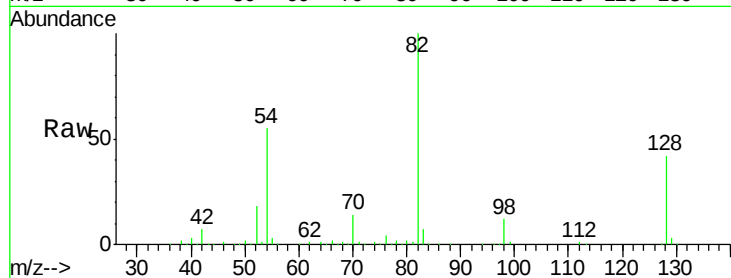
Tot Ion: 82 Resp: 578245

Ion Ratio Lower Upper

82 100

128 41.6 38.7 58.1

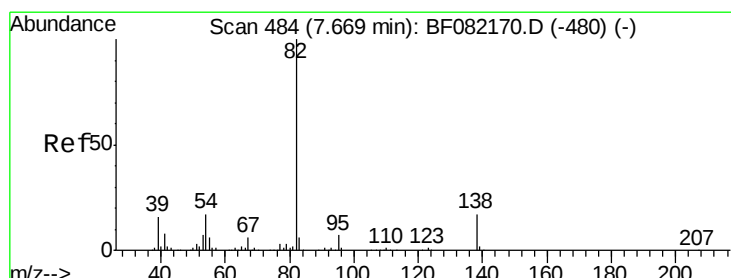
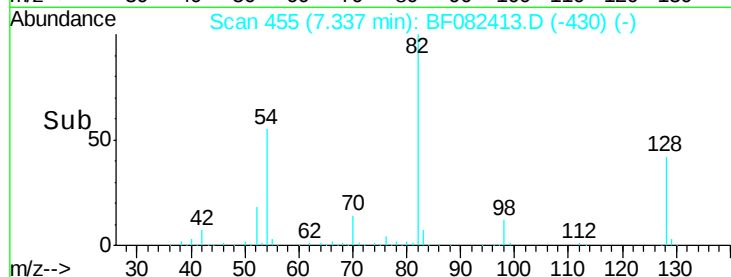
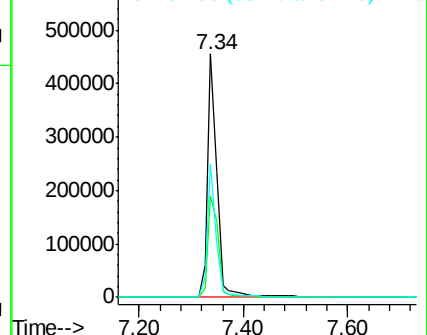
54 55.1 40.1 60.1



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: 38.68 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

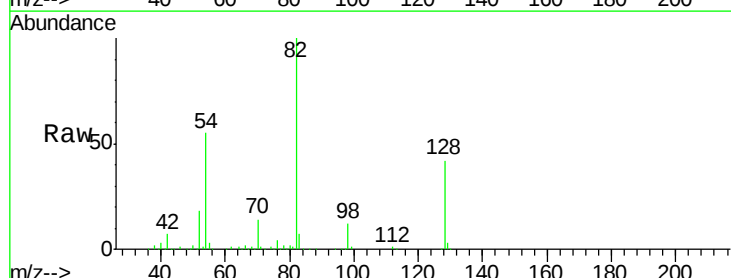
Tgt Ion: 82 Resp: 520643

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

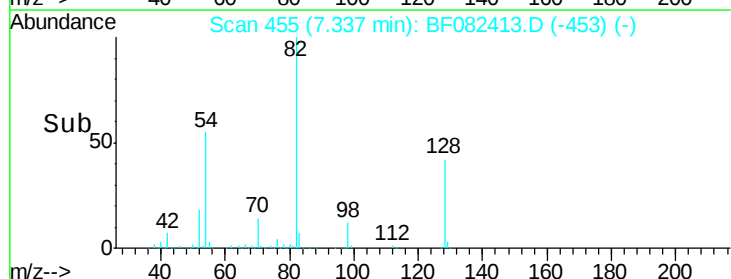
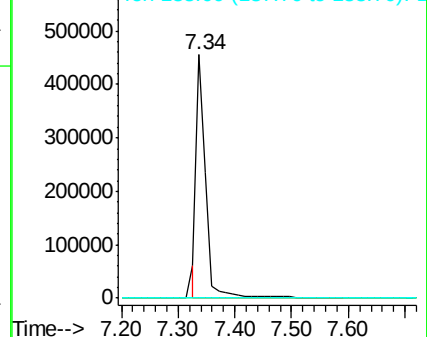
138 0.0 13.6 20.4#

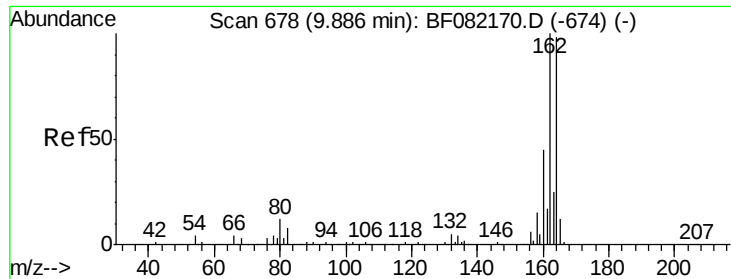


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.82 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

Instrument :

BNA\_F

ClientSampleId :

S1

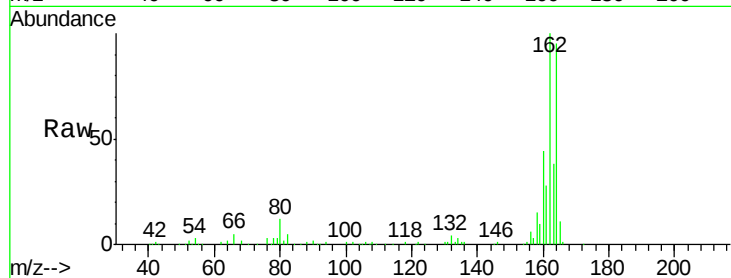
Tot Ion:164 Resp: 226022

Ion Ratio Lower Upper

164 100

162 105.8 81.6 122.4

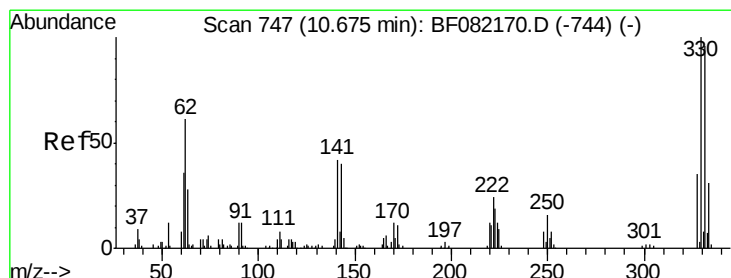
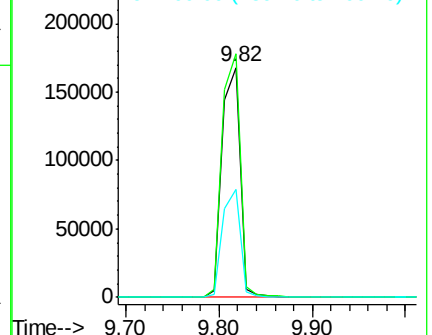
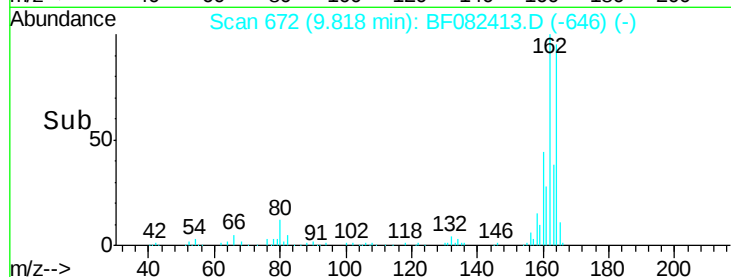
160 46.7 36.4 54.6



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: 113.01 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF082413.D

Acq: 21 Oct 2015 19:30

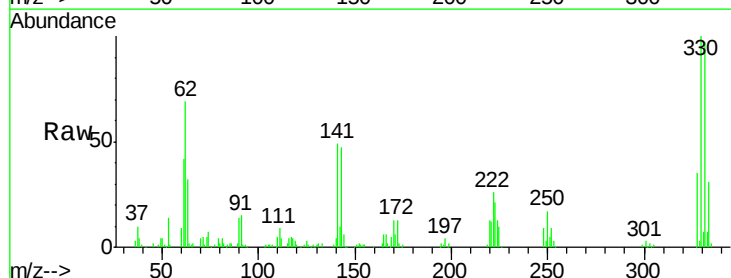
Tgt Ion:330 Resp: 239544

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

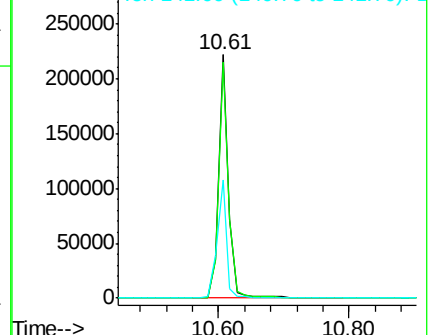
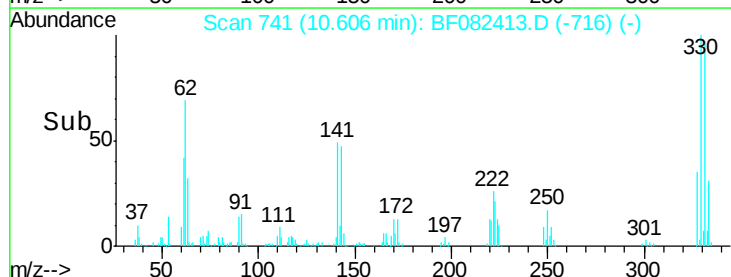
141 46.4 29.8 44.8#



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

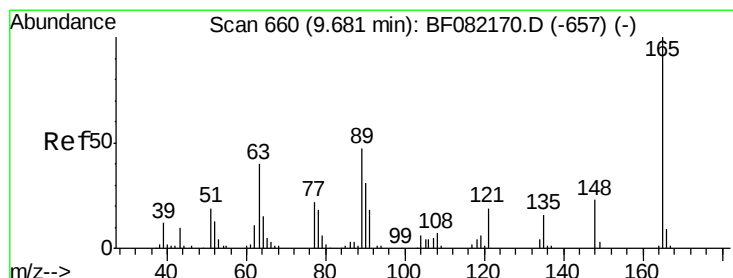
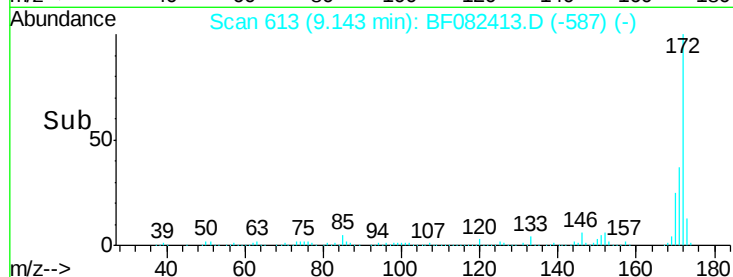
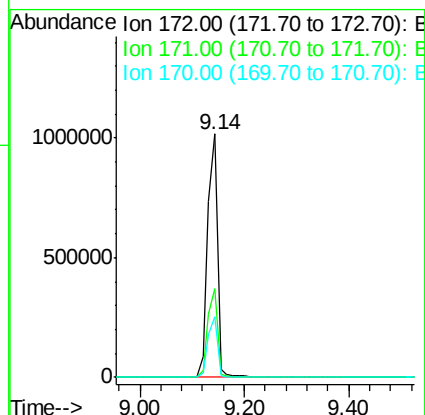
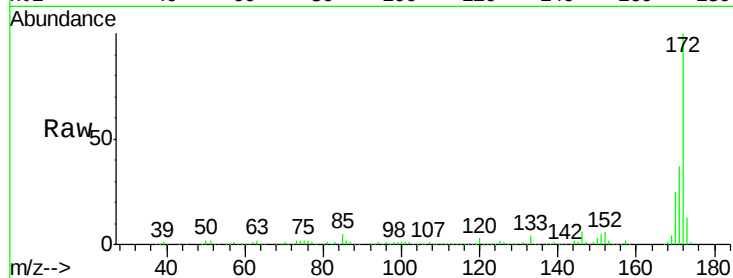




#44  
 2-Fluorobiphenyl  
 Concen: 97.30 ng  
 RT: 9.14 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

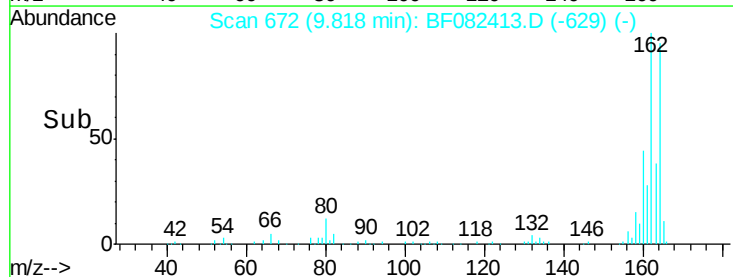
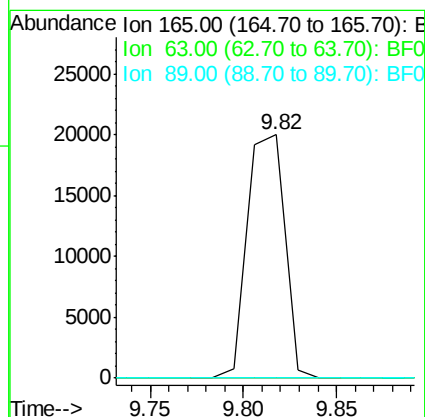
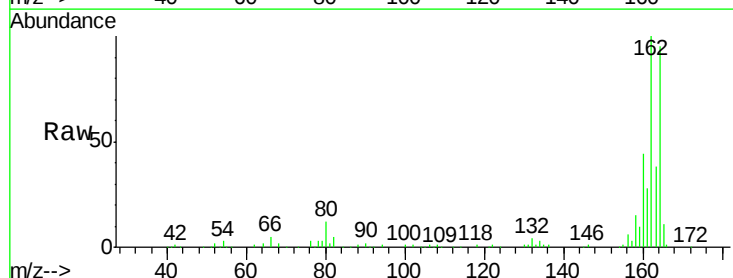
Instrument :  
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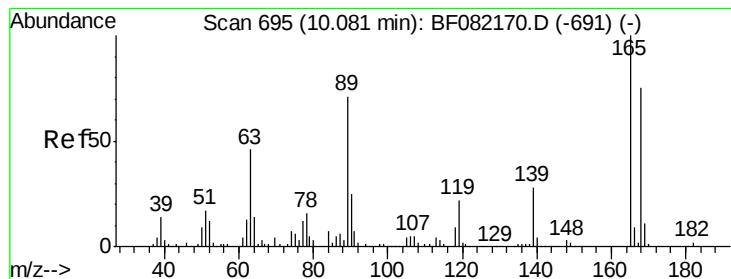
Tot Ion:172 Resp: 1326141  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.6 42.8  
 170 24.7 19.7 29.5



#50  
 2,6-Dinitrotoluene  
 Concen: 8.31 ng  
 RT: 9.82 min Scan# 672  
 Delta R.T. 0.19 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Tgt Ion:165 Resp: 27910  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.7 55.1#  
 89 0.0 37.8 56.6#

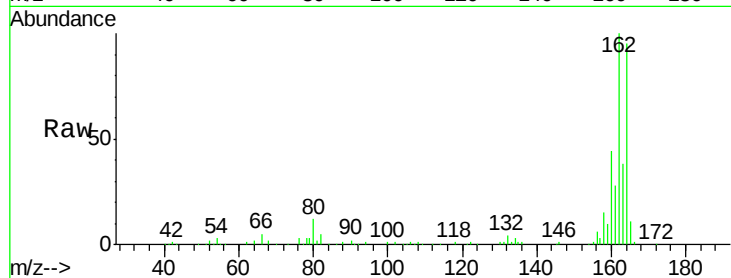




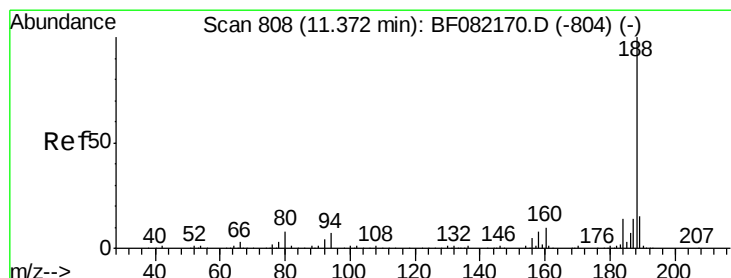
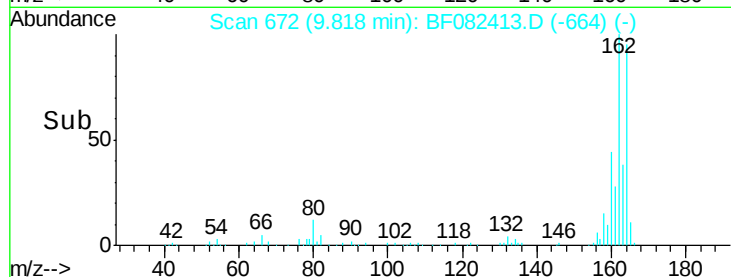
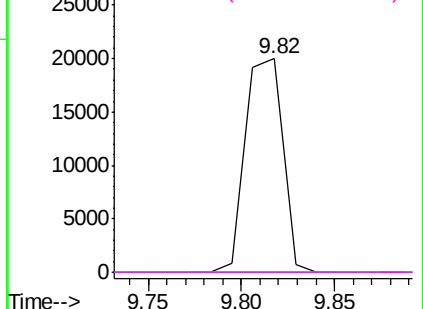
#56  
 2,4-Dinitrotoluene  
 Concen: 6.65 ng  
 RT: 9.82 min Scan# 672  
 Delta R.T. -0.21 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S1

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 27910      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 0.0   | 38.6 58.0# |
| 89          | 0.0   | 57.0 85.6# |
| 182         | 0.0   | 1.8 2.6#   |

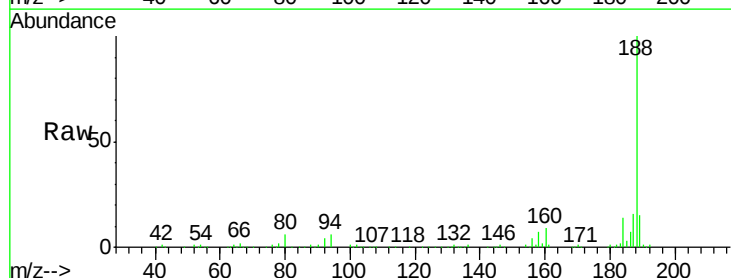


Abundance Ion 165.00 (164.70 to 165.70): E

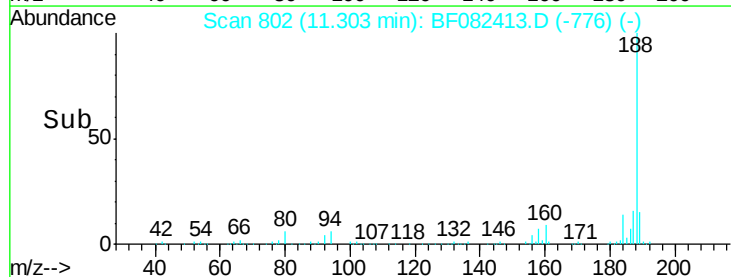
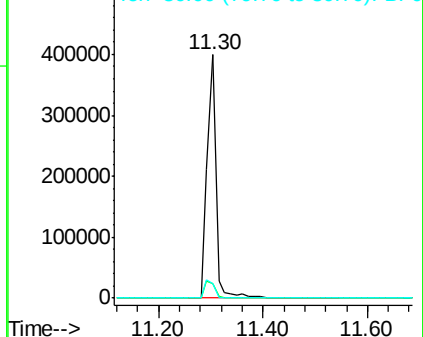


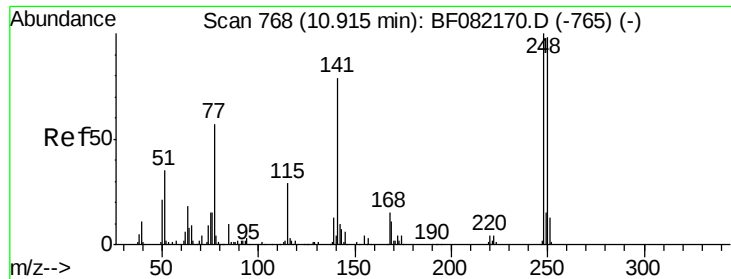
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 802  
 Delta R.T. -0.00 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 471880   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 6.1   | 5.8 8.6  |
| 80          | 6.0   | 6.4 9.6# |



Abundance Ion 188.00 (187.70 to 188.70): E

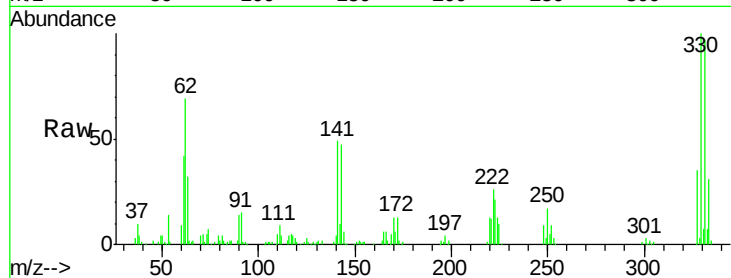




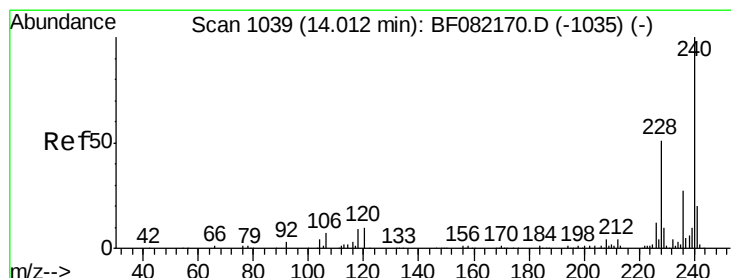
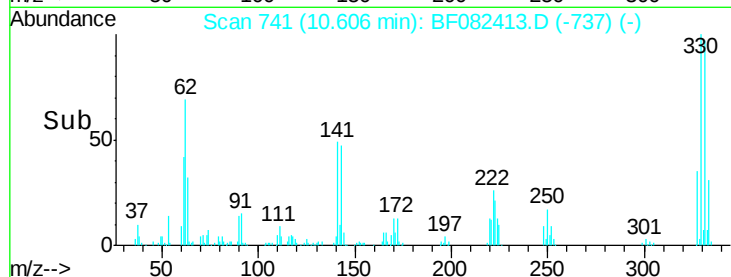
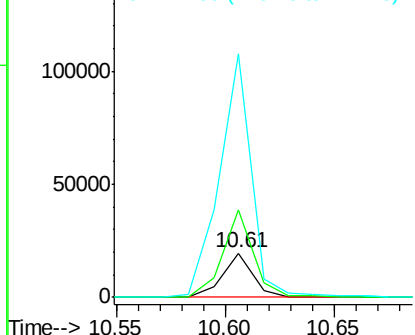
#66  
4-Bromophenyl-phenylether  
Concen: 3.99 ng  
RT: 10.61 min Scan# 741  
Delta R.T. -0.25 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Instrument :  
BNA\_F  
ClientSampleId :  
S1

Tot Ion:248 Resp: 18825  
Ion Ratio Lower Upper  
248 100  
250 198.9 78.6 117.8#  
141 553.8 63.3 94.9#

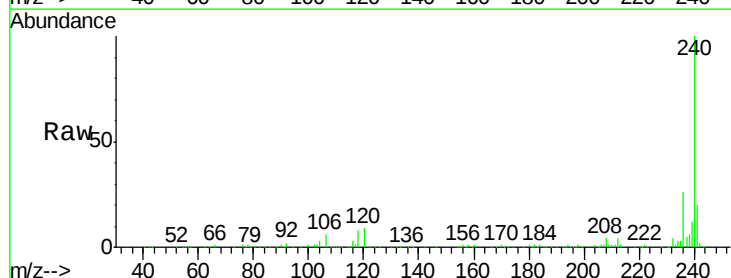


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

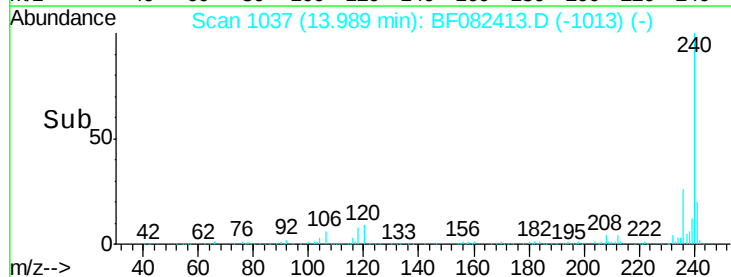
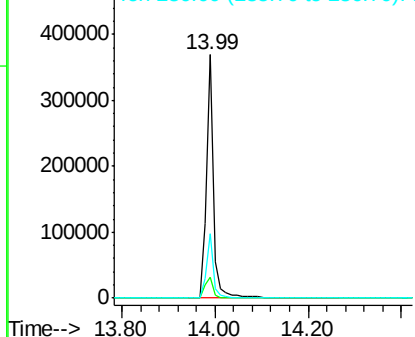


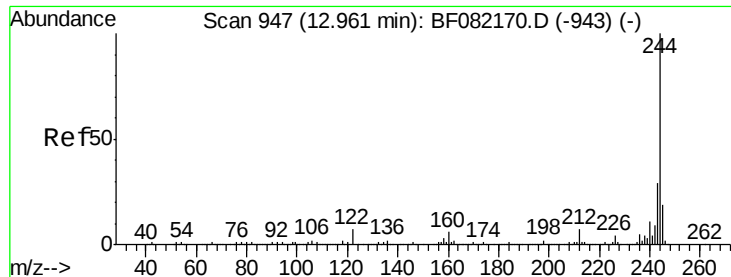
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.99 min Scan# 1037  
Delta R.T. -0.02 min  
Lab File: BF082413.D  
Acq: 21 Oct 2015 19:30

Tgt Ion:240 Resp: 406931  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.1 12.1  
236 26.2 21.3 31.9



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

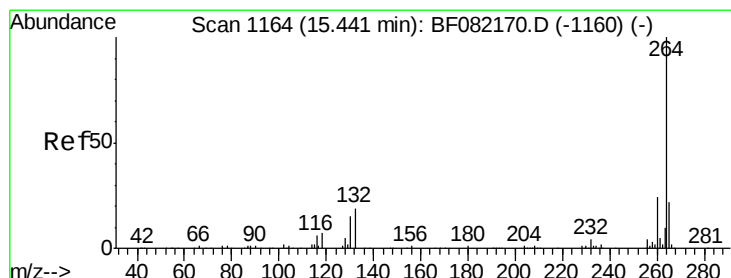
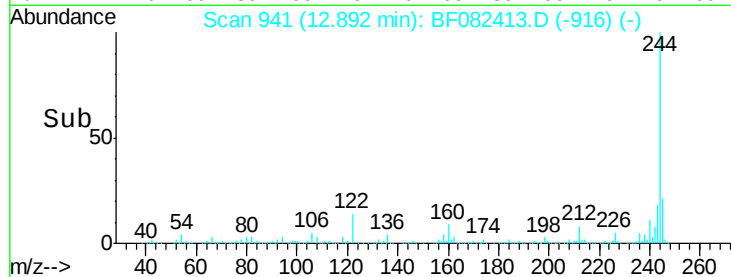
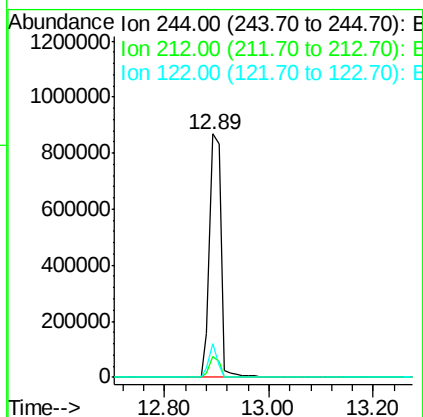
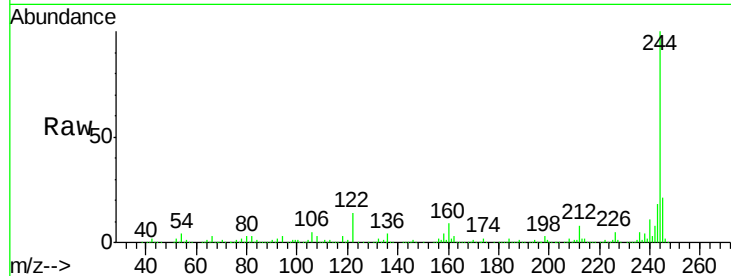




#78  
 Terphenyl-d14  
 Concen: 86.83 ng  
 RT: 12.89 min Scan# 941  
 Delta R.T. -0.01 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 S1

Tot Ion:244 Resp: 1333344  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 5.8 8.6  
 122 13.9 5.9 8.9#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: BF082413.D  
 Acq: 21 Oct 2015 19:30

Tgt Ion:264 Resp: 281347  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.6  
 265 21.5 17.3 25.9

