

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110215\  
 Data File : BF082644.D  
 Acq On : 2 Nov 2015 21:32  
 Operator : UM/IZ  
 Sample : G4238-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18R

Quant Time: Nov 03 02:32:22 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

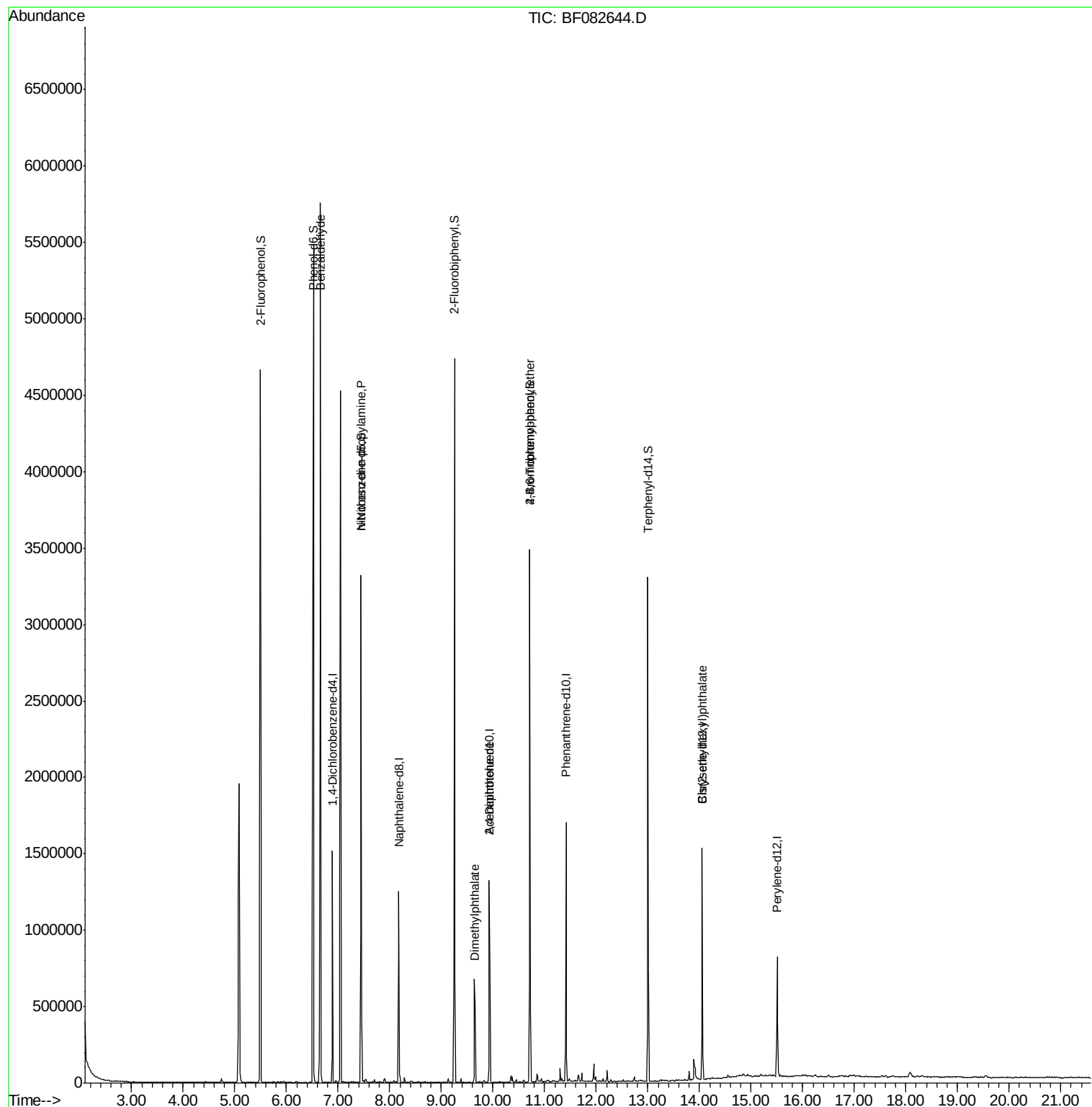
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 189981   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 8.18  | 136  | 671537   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.93  | 164  | 318988   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 566345   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 14.05 | 240  | 445094   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.51 | 264  | 364650   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1364611  | 108.18 | ng    | -0.01     |
| 7) Phenol-d6                   | 6.52  | 99   | 2063514  | 123.14 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1121673  | 68.21  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 335557   | 96.12  | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 9.25  | 172  | 1338129  | 59.56  | ng    | -0.02     |
| 78) Terphenyl-d14              | 13.00 | 244  | 966765   | 47.53  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.66  | 77   | 45915    | 4.01   | ng    | Qvalue 89 |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 161814   | 12.74  | ng    | # 71      |
| 49) Dimethylphthalate          | 9.65  | 163  | 362223   | 13.90  | ng    | 97        |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 39451    | 5.40   | ng    | # 15      |
| 66) 4-Bromophenyl-phenylether  | 10.72 | 248  | 23799    | 3.71   | ng    | # 1       |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149  | 44251    | 2.36   | ng    | # 99      |

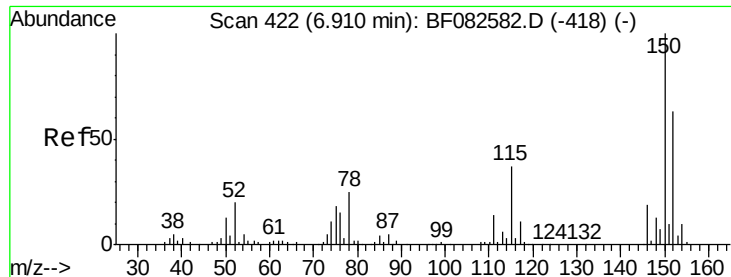
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110215\  
Data File : BF082644.D  
Acq On : 2 Nov 2015 21:32  
Operator : UM/IZ  
Sample : G4238-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
T-18R

Quant Time: Nov 03 02:32:22 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

Instrument :

BNA\_F

ClientSampled :

T-18R

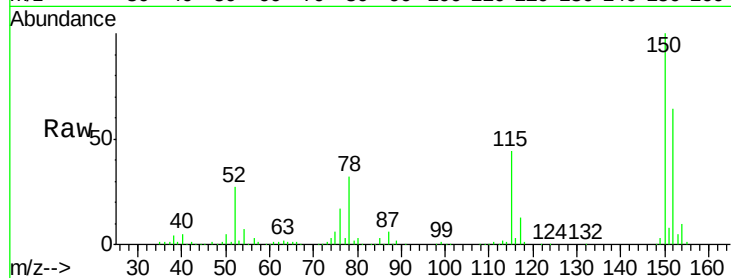
Tgt Ion:152 Resp: 189981

Ion Ratio Lower Upper

152 100

150 155.9 127.0 190.4

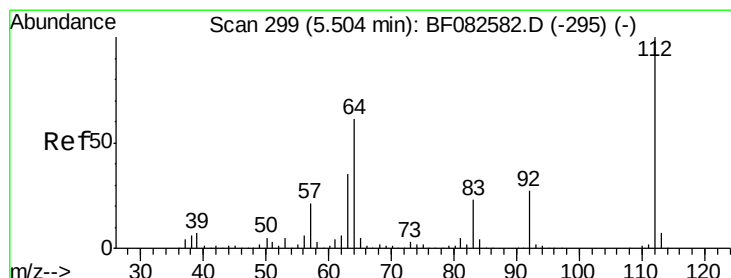
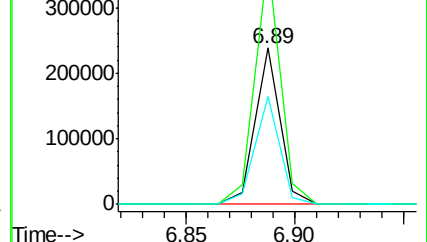
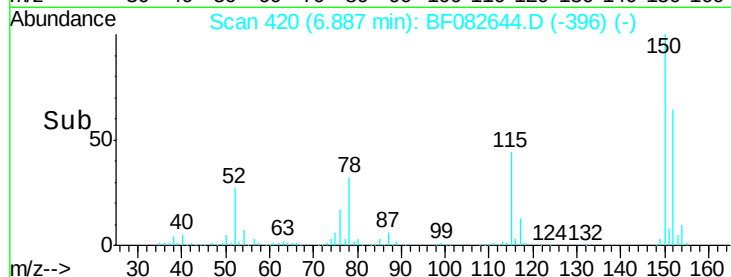
115 68.7 47.0 70.6



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: 108.18 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.01 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

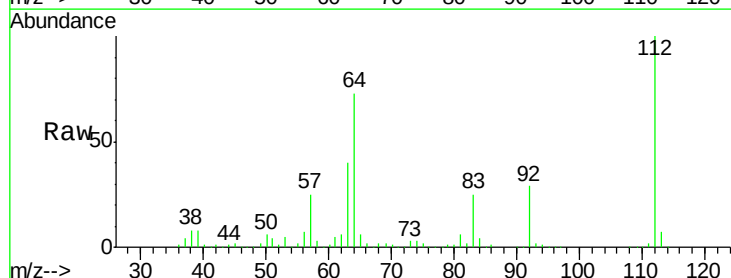
Tgt Ion:112 Resp: 1364611

Ion Ratio Lower Upper

112 100

64 72.9 48.9 73.3

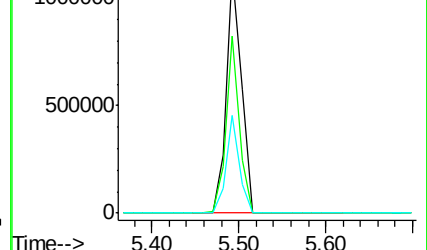
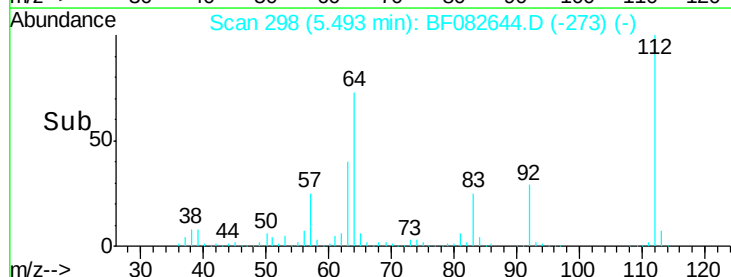
63 40.1 28.1 42.1

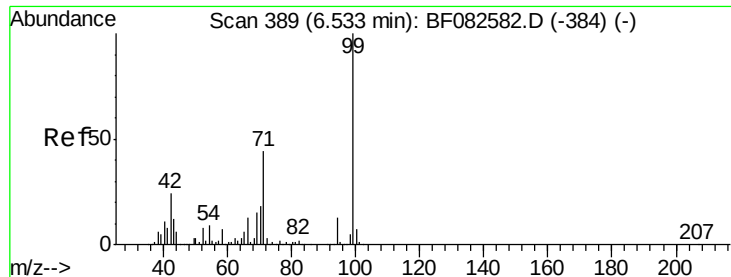


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.14 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

Instrument :

BNA\_F

ClientSampleId :

T-18R

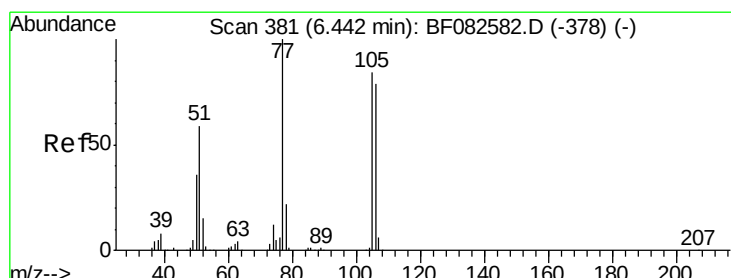
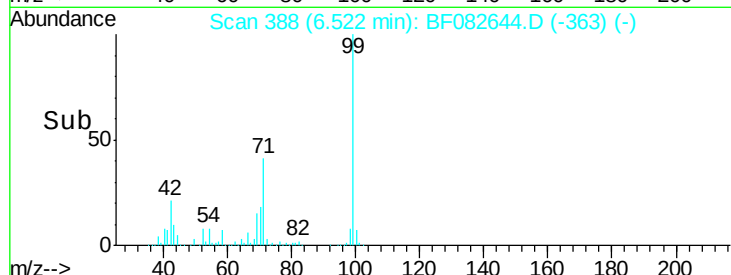
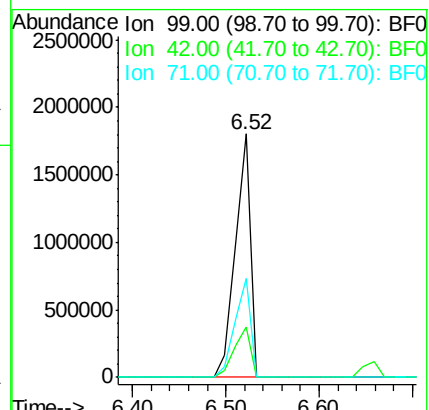
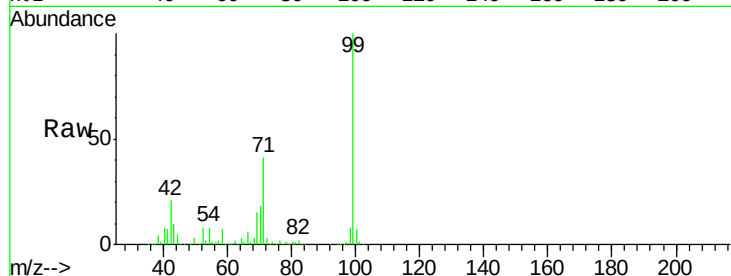
Tgt Ion: 99 Resp: 2063514

Ion Ratio Lower Upper

99 100

42 20.9 19.2 28.8

71 40.9 35.0 52.4



#9

Benzaldehyde

Concen: 4.01 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

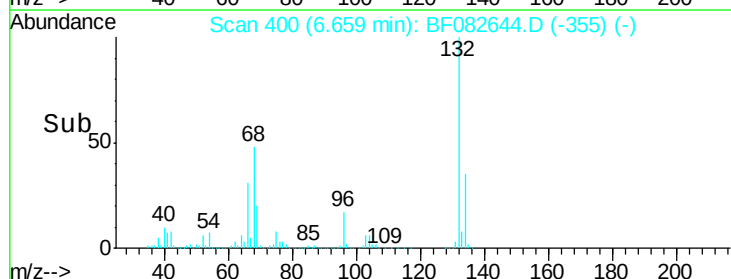
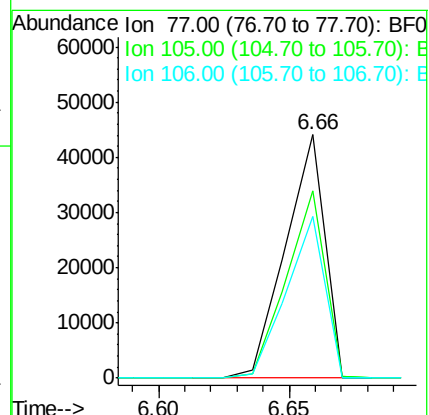
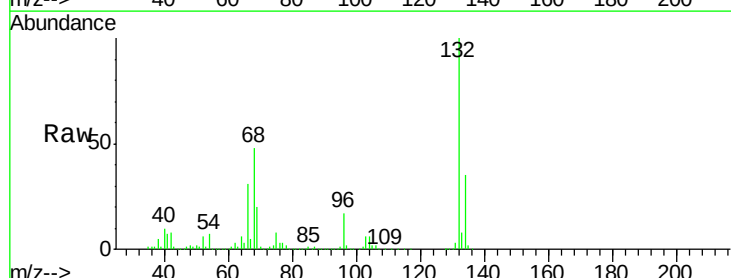
Tgt Ion: 77 Resp: 45915

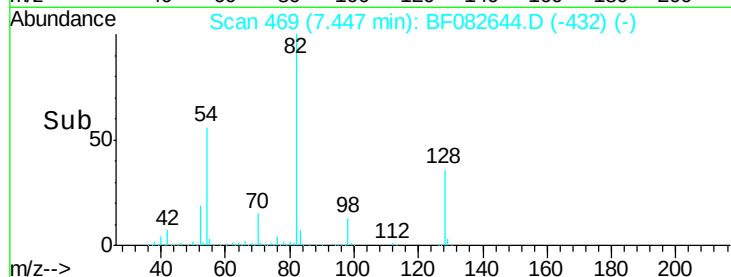
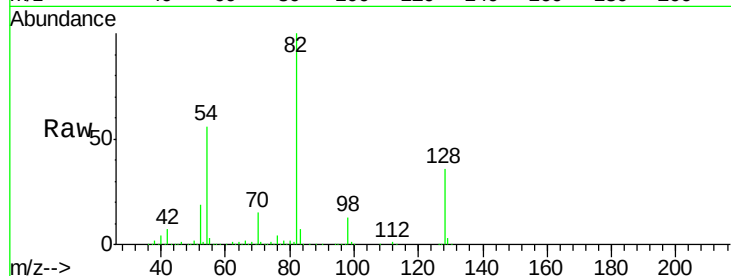
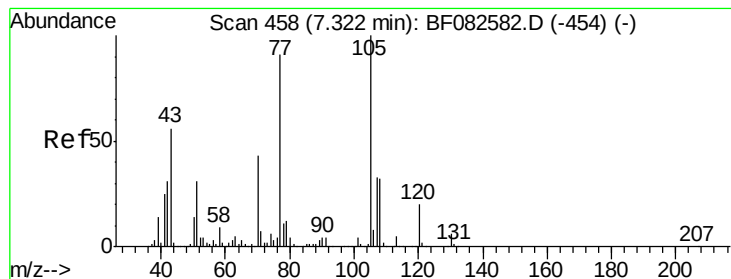
Ion Ratio Lower Upper

77 100

105 77.1 63.5 103.5

106 66.6 59.3 99.3





#19

n-Nitroso-di-n-propylamine

Concen: 12.74 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.13 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

Instrument :

BNA\_F

ClientSampleId :

T-18R

Tgt Ion: 70 Resp: 161814

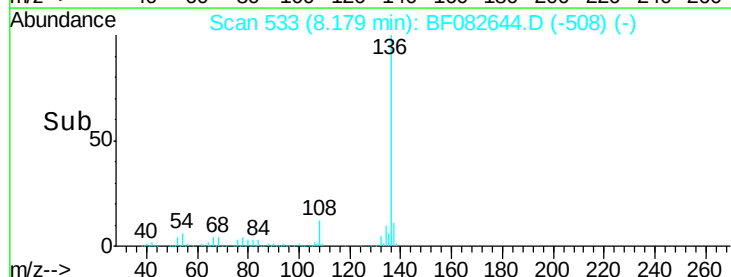
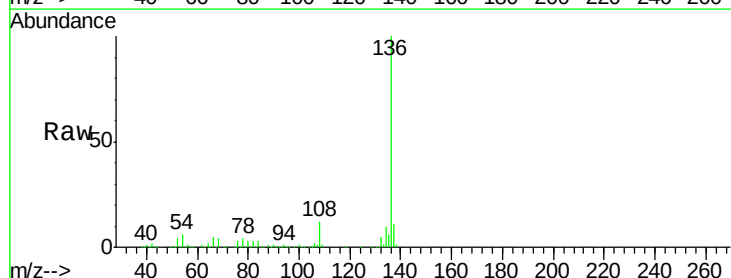
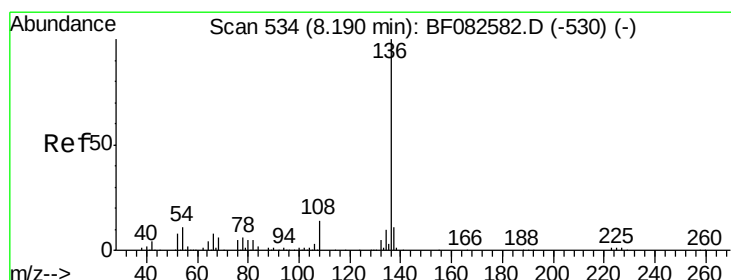
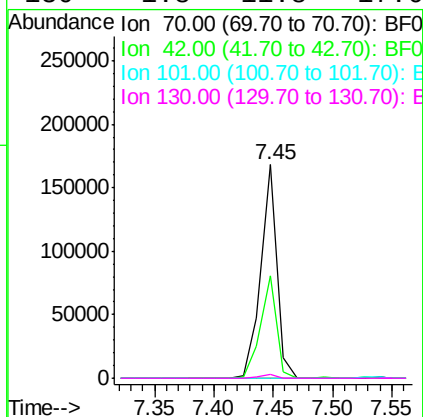
Ion Ratio Lower Upper

70 100

42 47.8 57.7 86.5#

101 0.0 7.0 10.6#

130 1.8 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

Tgt Ion: 136 Resp: 671537

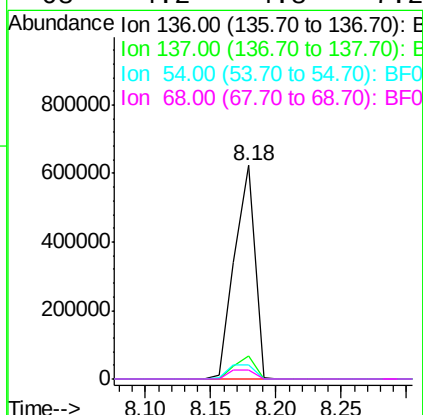
Ion Ratio Lower Upper

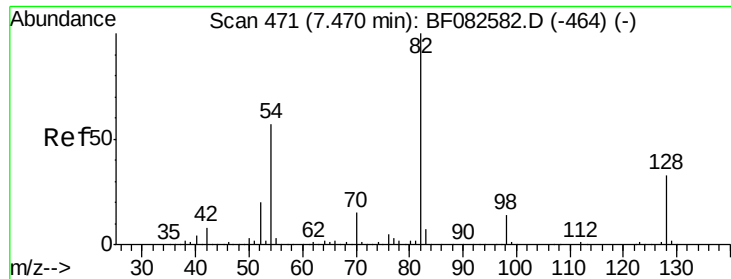
136 100

137 10.5 9.1 13.7

54 6.4 9.1 13.7#

68 4.2 4.8 7.2#

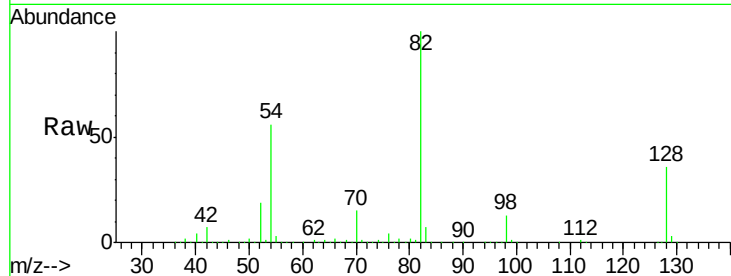




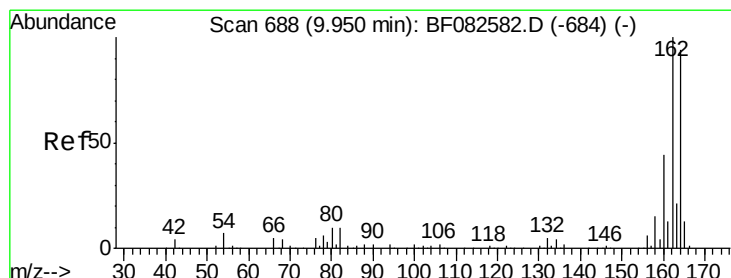
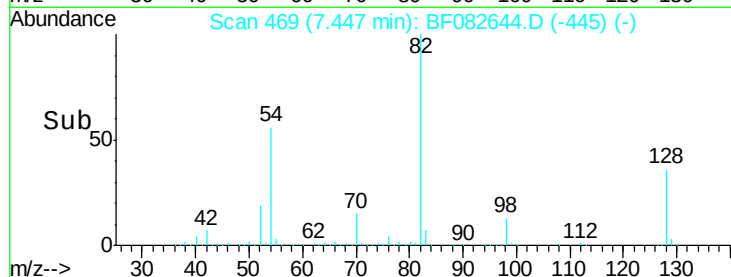
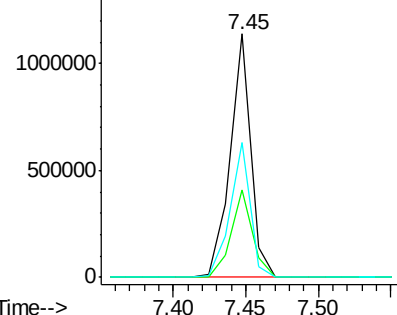
#23  
 Nitrobenzene-d5  
 Concen: 68.21 ng  
 RT: 7.45 min Scan# 469  
 Delta R.T. -0.02 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18R

Tgt Ion: 82 Resp: 1121673  
 Ion Ratio Lower Upper  
 82 100  
 128 35.8 26.8 40.2  
 54 55.5 45.7 68.5

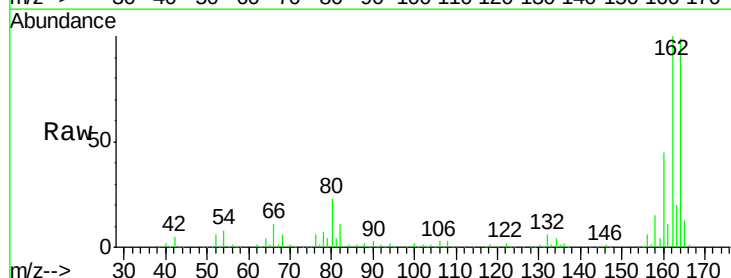


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

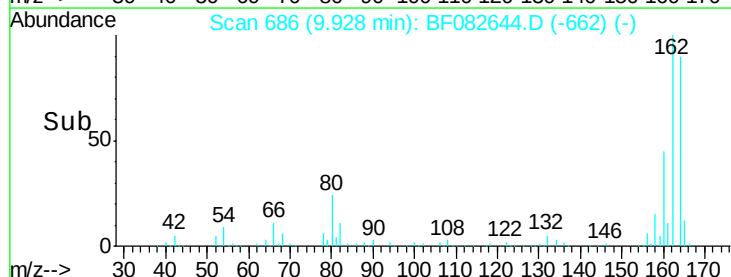
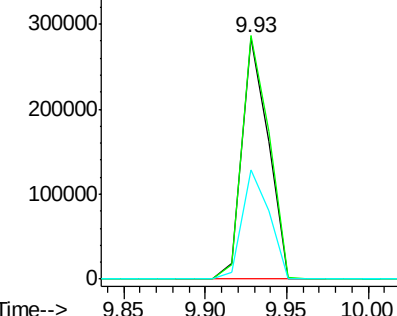


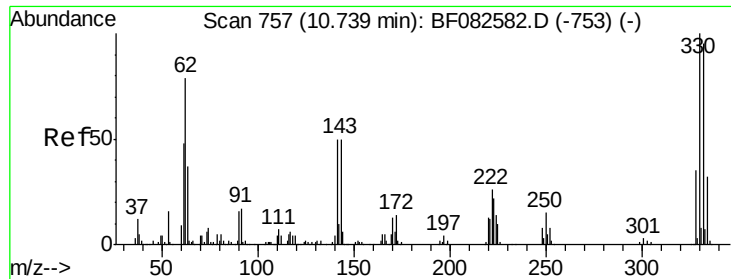
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.02 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

Tgt Ion: 164 Resp: 318988  
 Ion Ratio Lower Upper  
 164 100  
 162 101.0 84.9 127.3  
 160 45.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

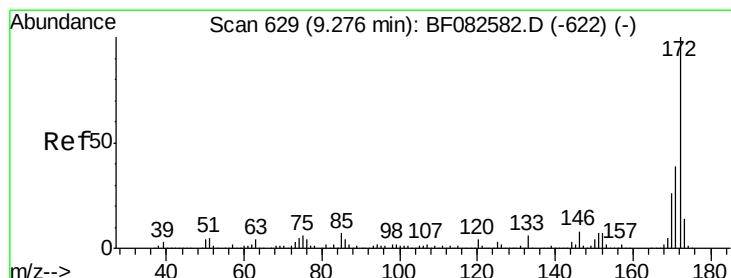
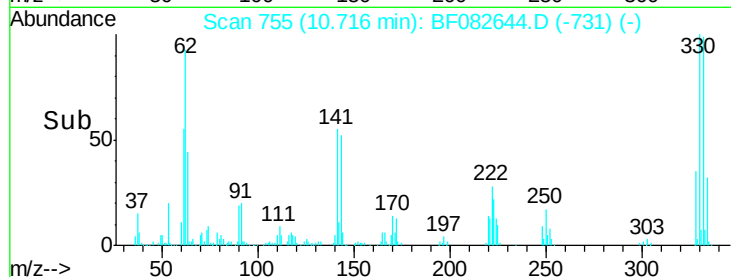
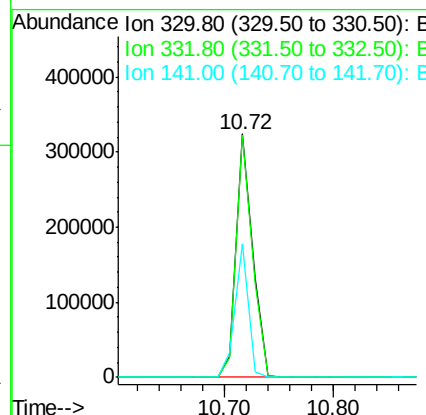
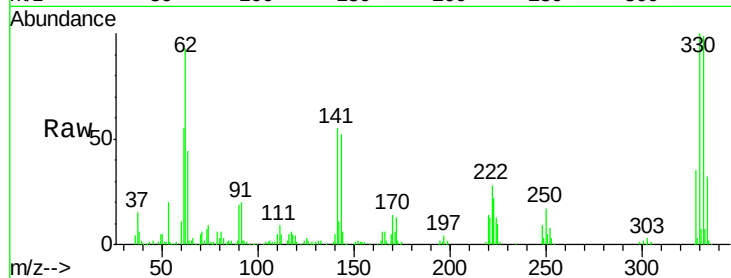




#41  
 2,4,6-Tribromophenol  
 Concen: 96.12 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.02 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

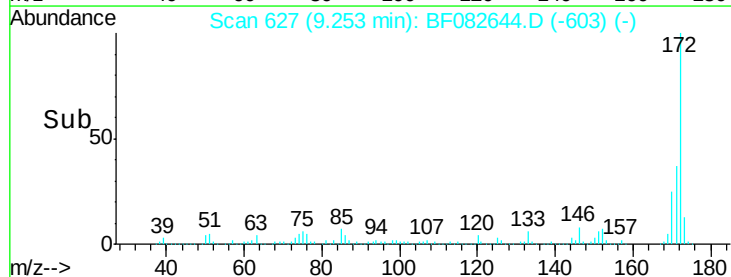
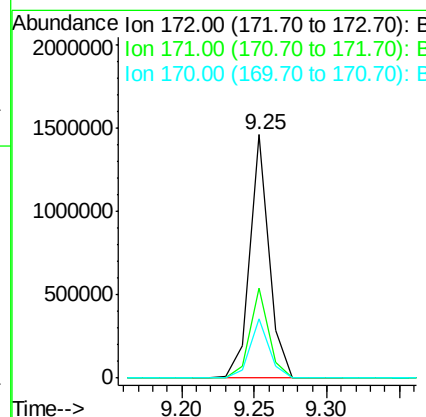
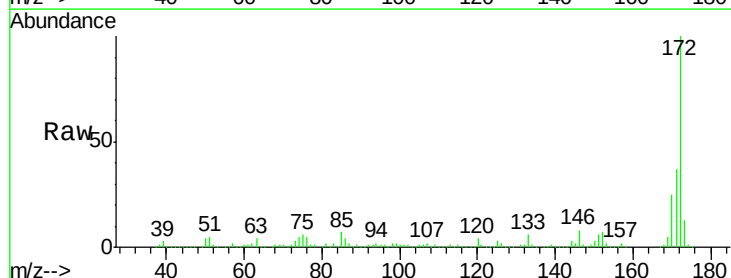
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18R

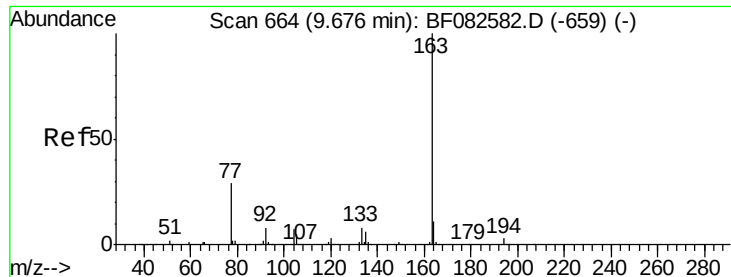
Tgt Ion:330 Resp: 335557  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.6 114.8  
 141 44.9 41.2 61.8



#44  
 2-Fluorobiphenyl  
 Concen: 59.56 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.02 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

Tgt Ion:172 Resp: 1338129  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 30.8 46.2  
 170 24.5 21.2 31.8

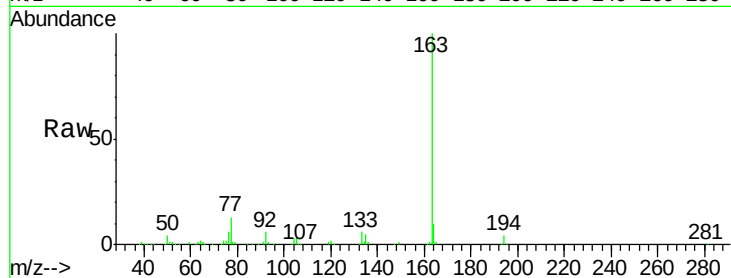




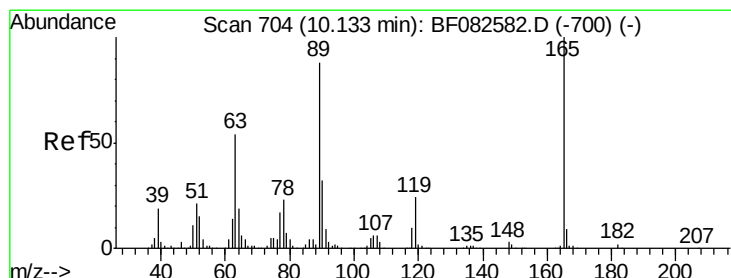
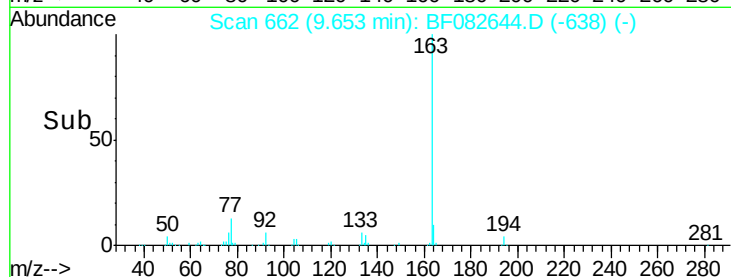
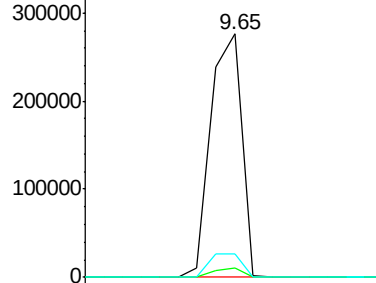
#49  
Dimethylphthalate  
Concen: 13.90 ng  
RT: 9.65 min Scan# 662  
Delta R.T. -0.02 min  
Lab File: BF082644.D  
Acq: 2 Nov 2015 21:32

Instrument :  
BNA\_F  
ClientSampleId :  
T-18R

Tgt Ion:163 Resp: 362223  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.6 4.0  
164 9.6 8.7 13.1

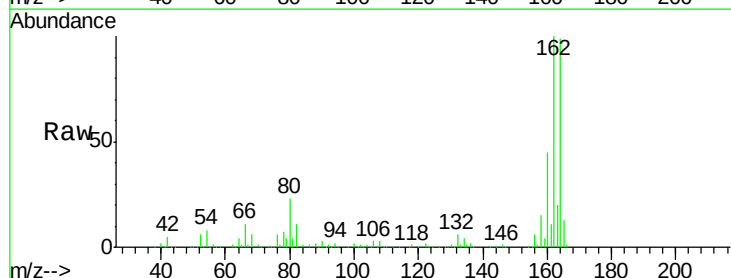


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

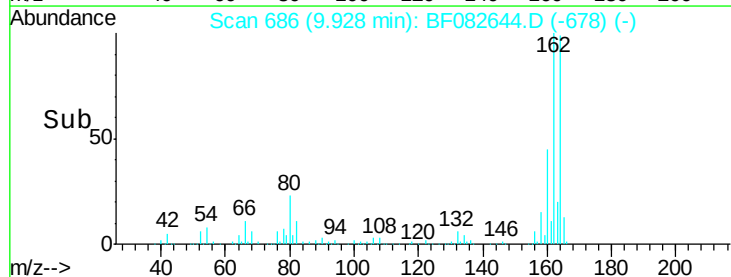
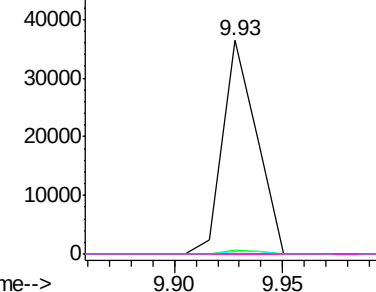


#56  
2,4-Dinitrotoluene  
Concen: 5.40 ng  
RT: 9.93 min Scan# 686  
Delta R.T. -0.21 min  
Lab File: BF082644.D  
Acq: 2 Nov 2015 21:32

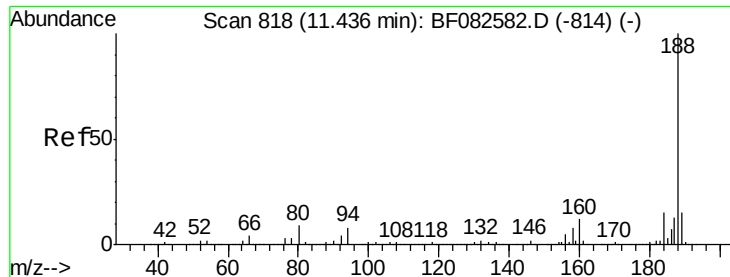
Tgt Ion:165 Resp: 39451  
Ion Ratio Lower Upper  
165 100  
63 1.7 43.4 65.0#  
89 1.2 70.6 106.0#  
182 0.0 1.5 2.3#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E



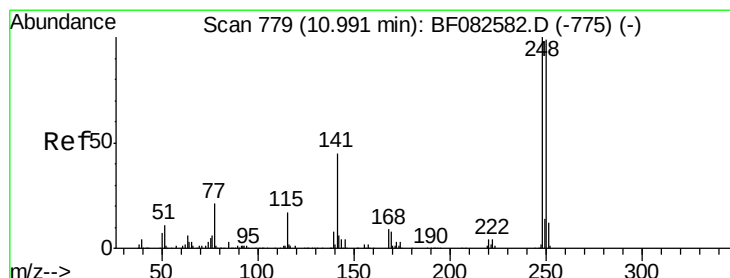
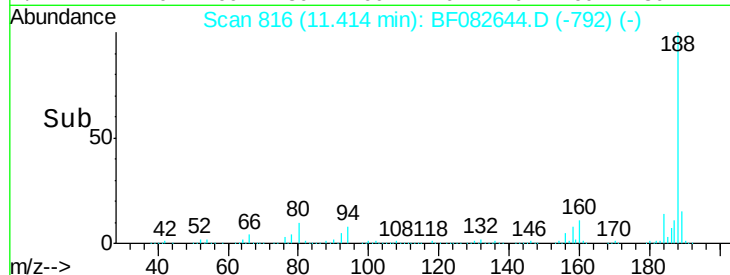
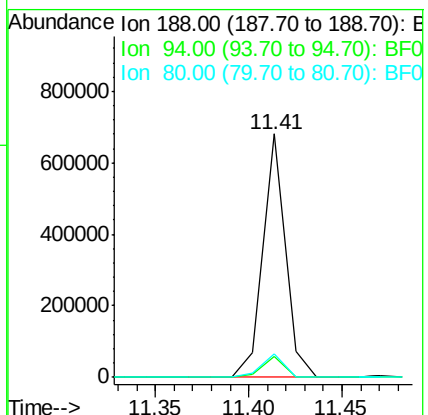
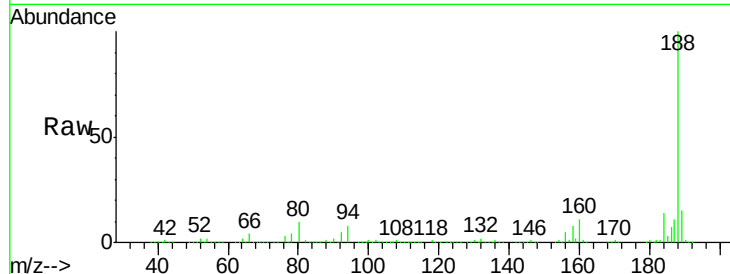




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.41 min Scan# 816  
Delta R.T. -0.02 min  
Lab File: BF082644.D  
Acq: 2 Nov 2015 21:32

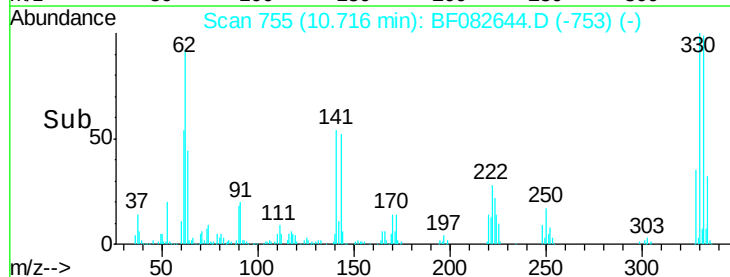
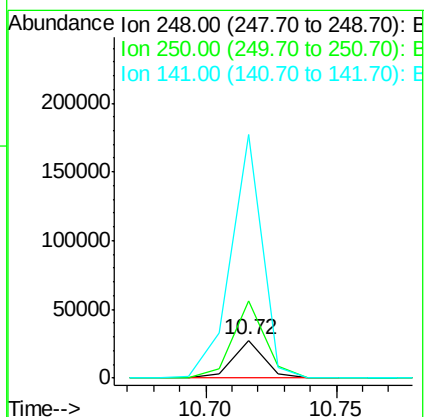
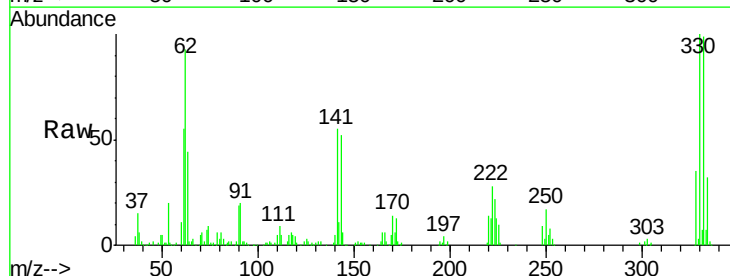
Instrument :  
BNA\_F  
ClientSampled :  
T-18R

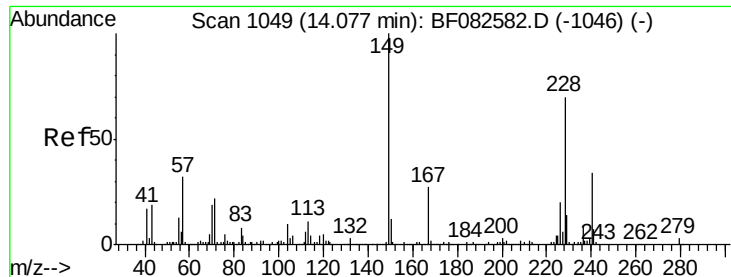
Tgt Ion:188 Resp: 566345  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.1 9.1  
80 9.5 7.0 10.6



#66  
4-Bromophenyl-phenylether  
Concen: 3.71 ng  
RT: 10.72 min Scan# 755  
Delta R.T. -0.27 min  
Lab File: BF082644.D  
Acq: 2 Nov 2015 21:32

Tgt Ion:248 Resp: 23799  
Ion Ratio Lower Upper  
248 100  
250 203.1 79.4 119.2#  
141 640.7 36.3 54.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

Instrument :

BNA\_F

ClientSampleId :

T-18R

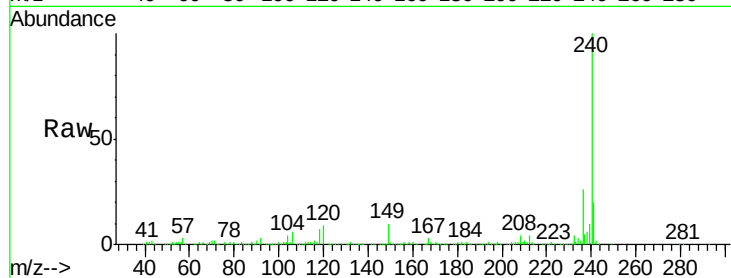
Tgt Ion:240 Resp: 445094

Ion Ratio Lower Upper

240 100

120 8.5 10.9 16.3#

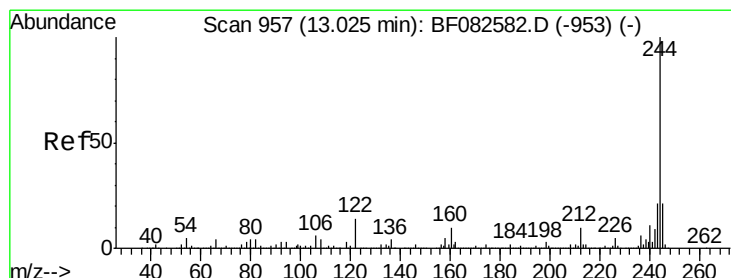
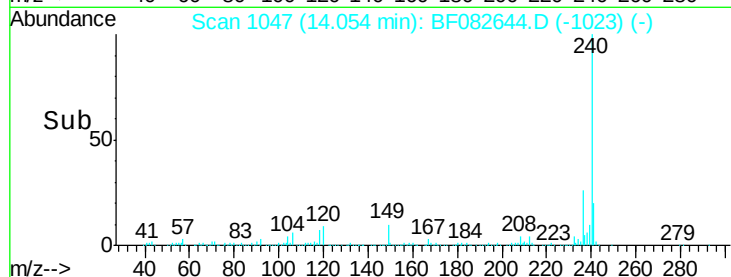
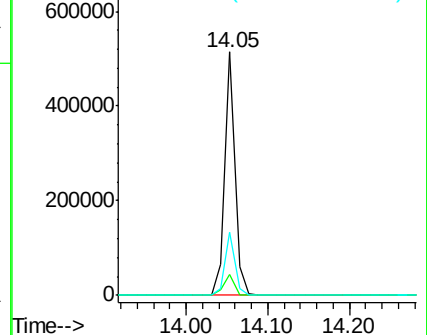
236 25.9 21.6 32.4



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



#78

Terphenyl-d14

Concen: 47.53 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF082644.D

Acq: 2 Nov 2015 21:32

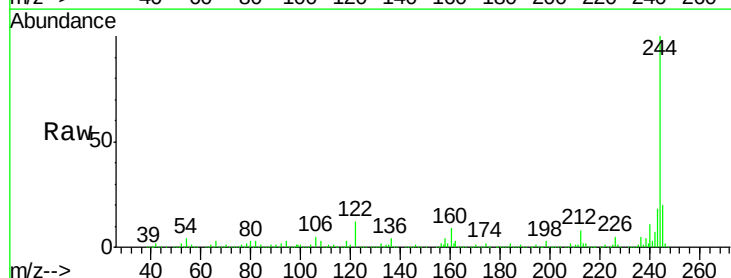
Tgt Ion:244 Resp: 966765

Ion Ratio Lower Upper

244 100

212 8.5 7.6 11.4

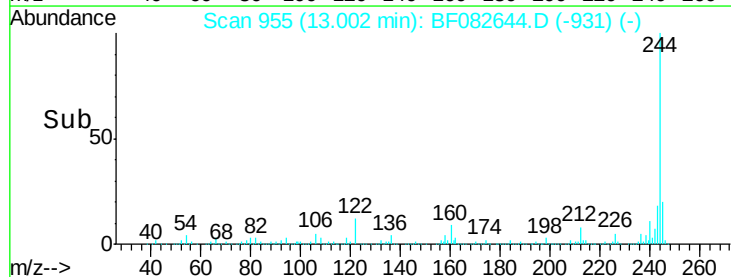
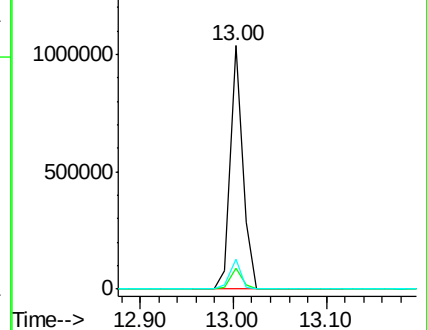
122 12.2 11.3 16.9

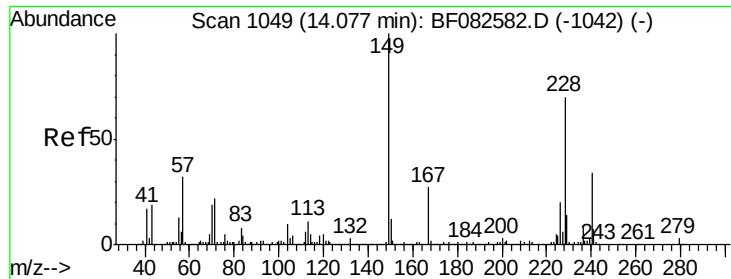


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

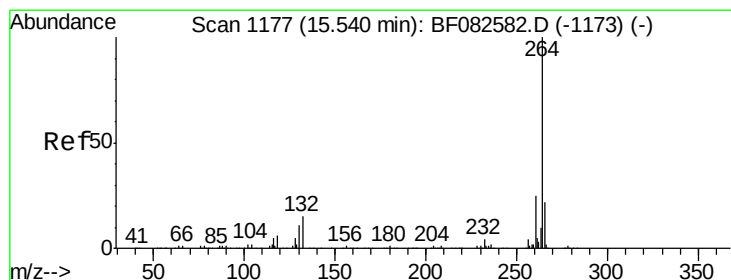
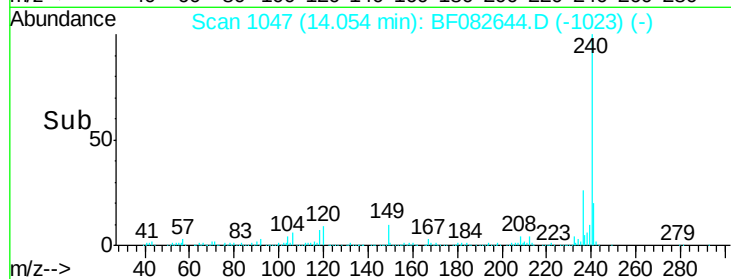
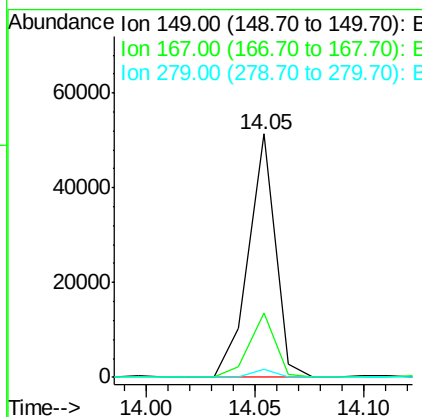
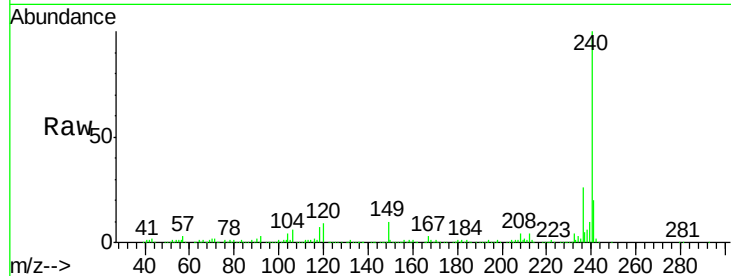




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.36 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-18R

Tgt Ion:149 Resp: 44251  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.2 31.8  
 279 3.3 2.2 3.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.51 min Scan# 1174  
 Delta R.T. -0.03 min  
 Lab File: BF082644.D  
 Acq: 2 Nov 2015 21:32

Tgt Ion:264 Resp: 364650  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.8 29.6  
 265 21.8 17.4 26.0

