

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF110215\  
 Data File : BF082651.D  
 Acq On : 3 Nov 2015 00:57  
 Operator : UM/IZ  
 Sample : G4223-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-20R

Quant Time: Nov 03 02:36:21 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

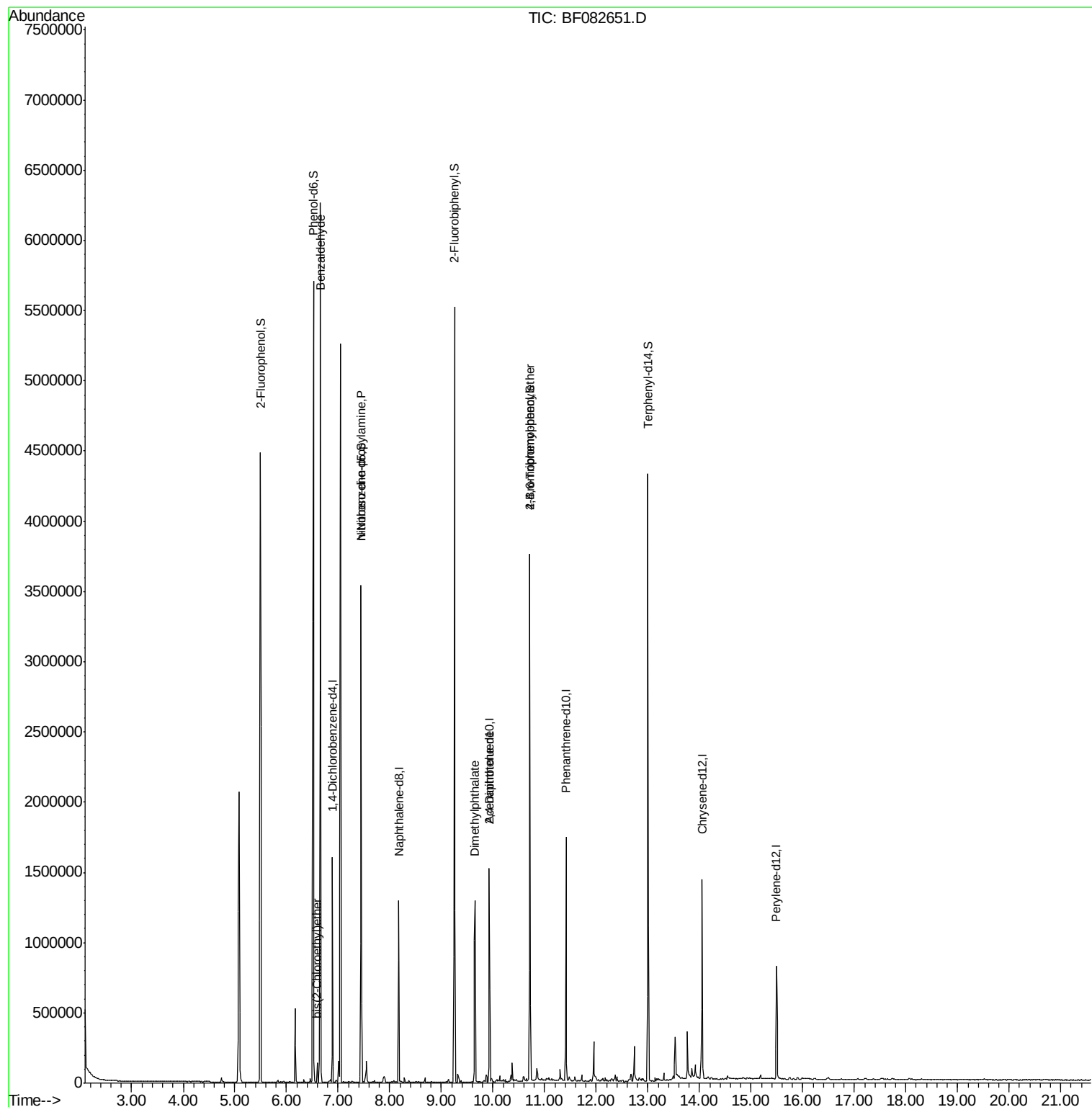
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 200385   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 8.18  | 136  | 710100   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.93  | 164  | 328711   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.41 | 188  | 563053   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 14.05 | 240  | 491186   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.49 | 264  | 395508   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1518299  | 114.12 | ng    | -0.01     |
| 7) Phenol-d6                   | 6.52  | 99   | 2146494  | 121.44 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 1211940  | 69.69  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 374969   | 104.23 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl           | 9.25  | 172  | 1662105  | 71.79  | ng    | -0.02     |
| 78) Terphenyl-d14              | 13.00 | 244  | 1316292  | 58.65  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.66  | 77   | 49907    | 4.14   | ng    | Qvalue 93 |
| 11) bis(2-Chloroethyl)ether    | 6.59  | 93   | 33900    | 2.29   | ng    | # 16      |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 171811   | 12.82  | ng    | # 71      |
| 49) Dimethylphthalate          | 9.65  | 163  | 722294   | 26.91  | ng    | # 98      |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 41742    | 5.55   | ng    | # 16      |
| 66) 4-Bromophenyl-phenylether  | 10.72 | 248  | 26927    | 4.22   | ng    | # 1       |

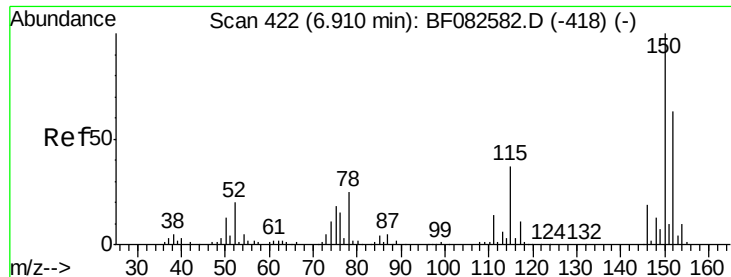
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082651.D

Acq: 3 Nov 2015 00:57

Instrument :

BNA\_F

ClientSampleId :

T-20R

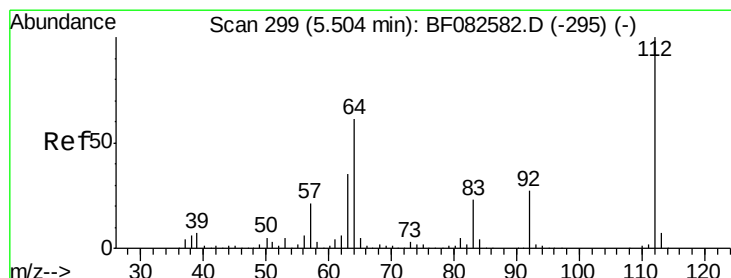
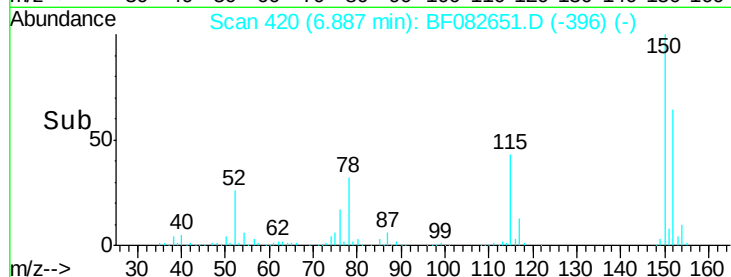
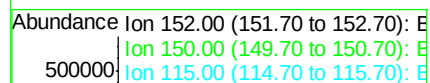
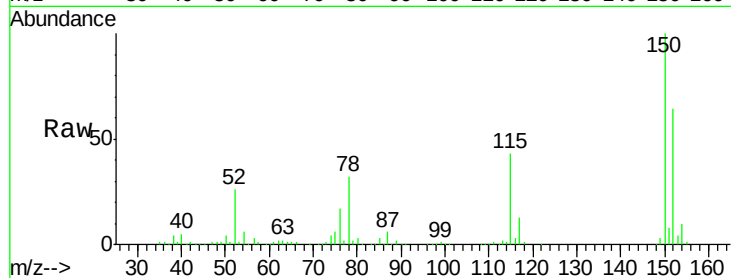
Tgt Ion:152 Resp: 200385

Ion Ratio Lower Upper

152 100

150 157.4 127.0 190.4

115 67.4 47.0 70.6



#5

2-Fluorophenol

Concen: 114.12 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.01 min

Lab File: BF082651.D

Acq: 3 Nov 2015 00:57

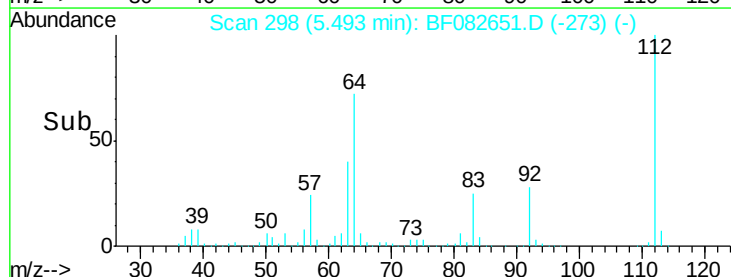
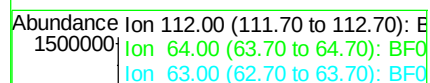
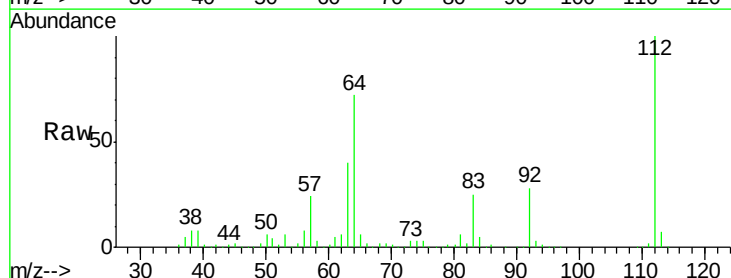
Tgt Ion:112 Resp: 1518299

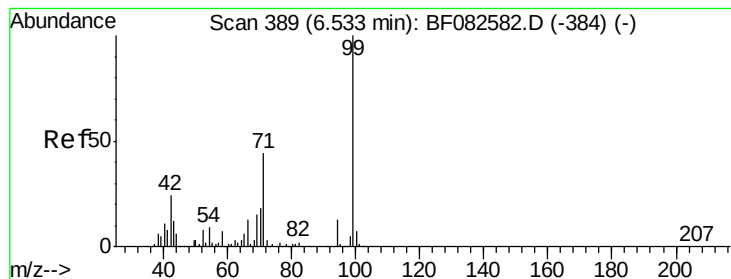
Ion Ratio Lower Upper

112 100

64 72.5 48.9 73.3

63 39.8 28.1 42.1





#7

Phenol-d6

Concen: 121.44 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082651.D

Acq: 3 Nov 2015 00:57

Instrument :

BNA\_F

ClientSampleId :

T-20R

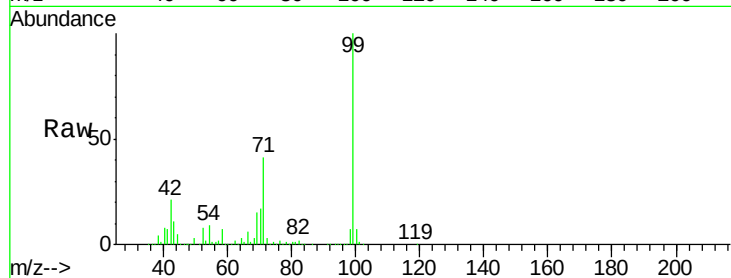
Tgt Ion: 99 Resp: 2146494

Ion Ratio Lower Upper

99 100

42 21.1 19.2 28.8

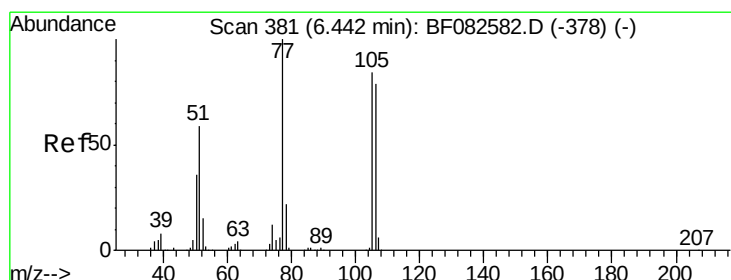
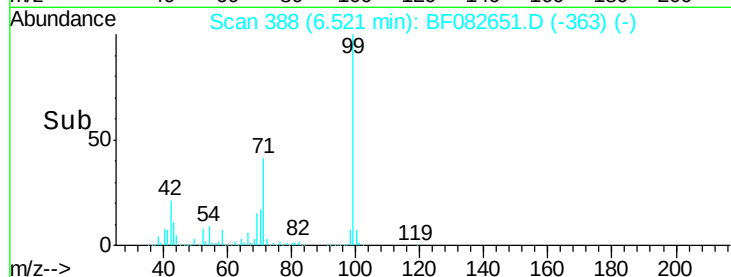
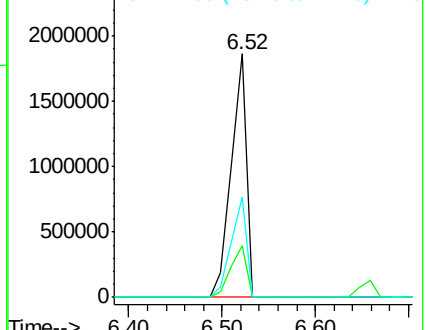
71 41.3 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.14 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF082651.D

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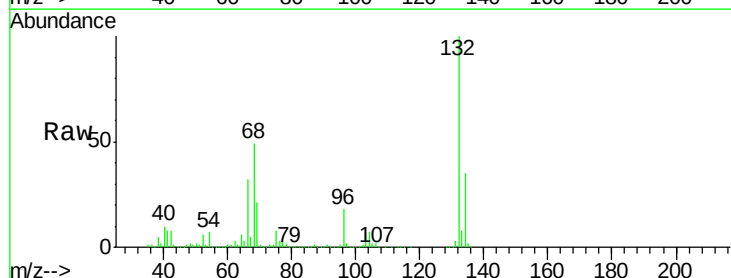
Tgt Ion: 77 Resp: 49907

Ion Ratio Lower Upper

77 100

105 80.2 63.5 103.5

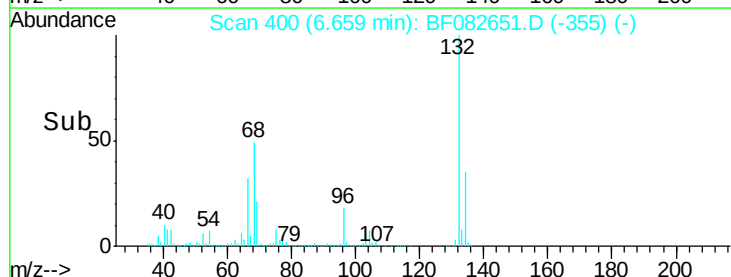
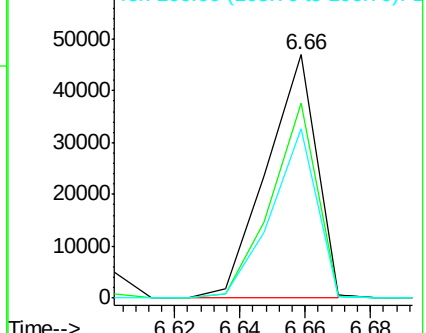
106 69.7 59.3 99.3

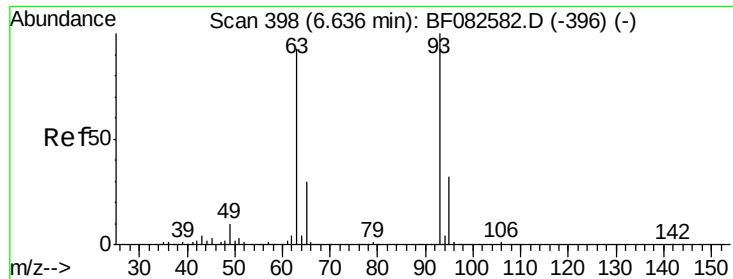


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

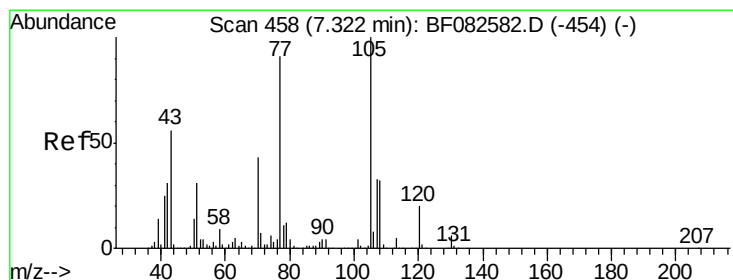
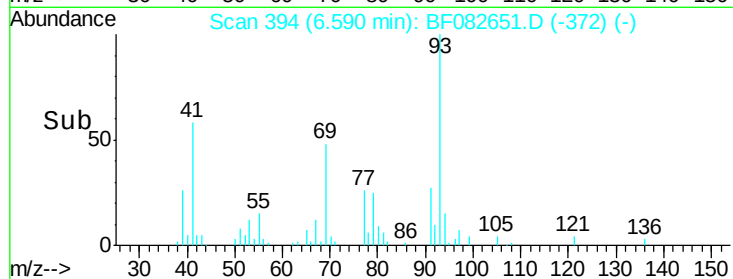
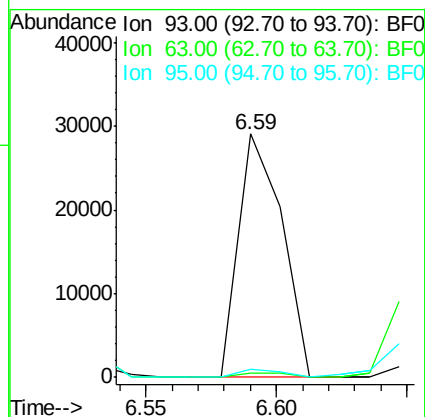
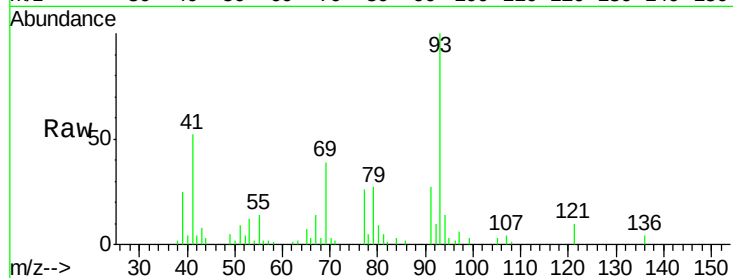




#11  
bis(2-Chloroethyl)ether  
Concen: 2.29 ng  
RT: 6.59 min Scan# 394  
Delta R.T. -0.05 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

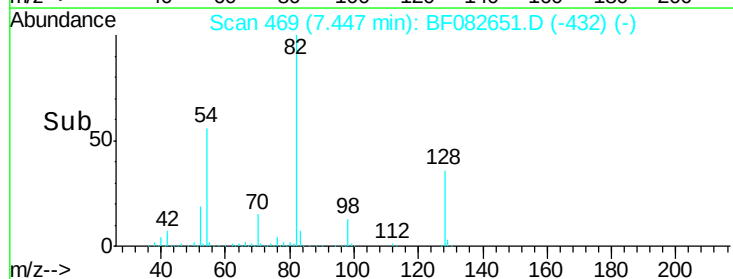
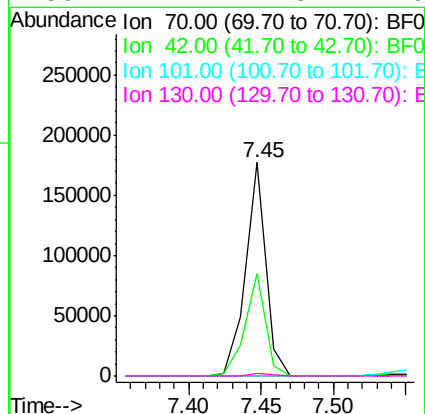
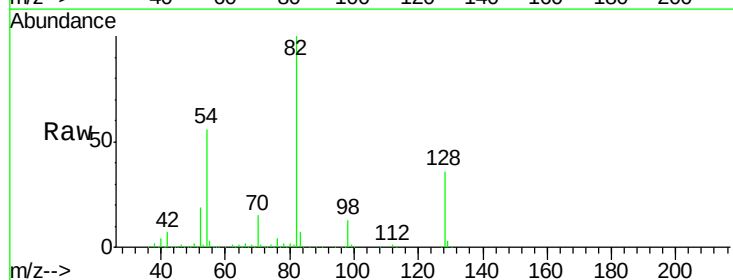
Instrument :  
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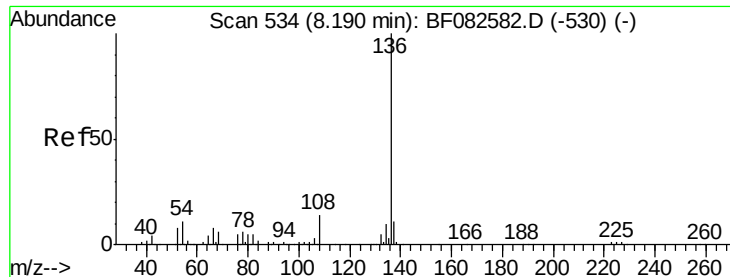
Tgt Ion: 93 Resp: 33900  
Ion Ratio Lower Upper  
93 100  
63 1.7 72.7 112.7#  
95 3.2 12.0 52.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.82 ng  
RT: 7.45 min Scan# 469  
Delta R.T. 0.13 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

Tgt Ion: 70 Resp: 171811  
Ion Ratio Lower Upper  
70 100  
42 47.7 57.7 86.5#  
101 0.0 7.0 10.6#  
130 1.4 11.8 17.6#

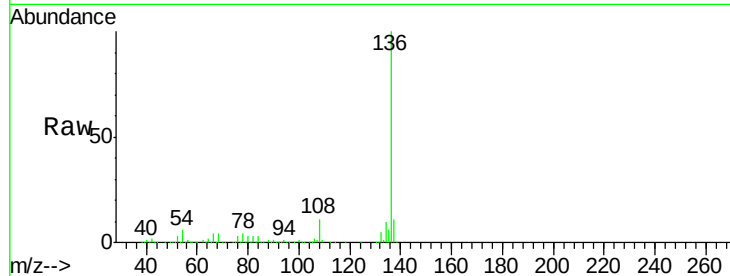




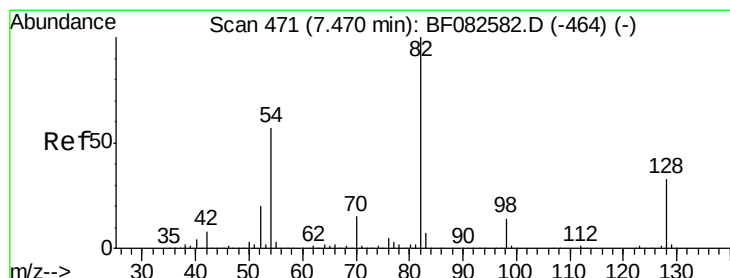
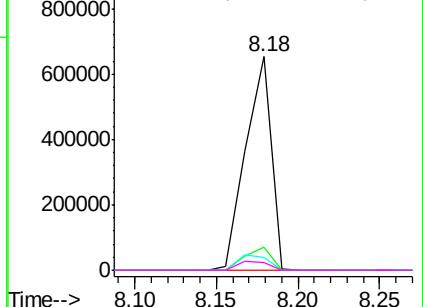
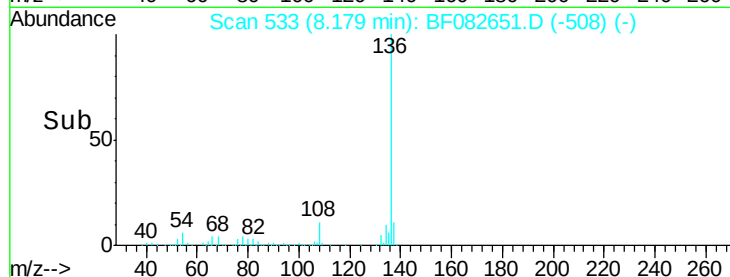
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.18 min Scan# 533  
Delta R.T. -0.01 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

Instrument :  
BNA\_F  
ClientSampled :  
T-20R

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 710100 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 9.1   | 13.7   |
| 54       | 6.3   | 9.1   | 13.7#  |
| 68       | 3.9   | 4.8   | 7.2#   |

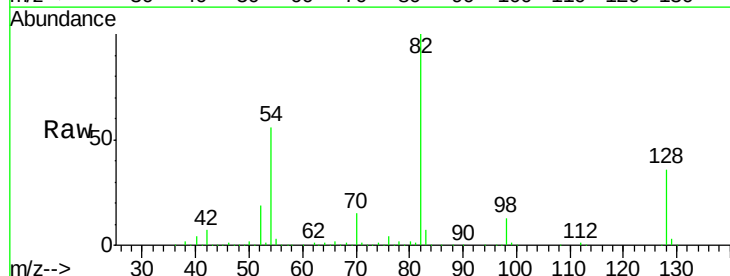


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

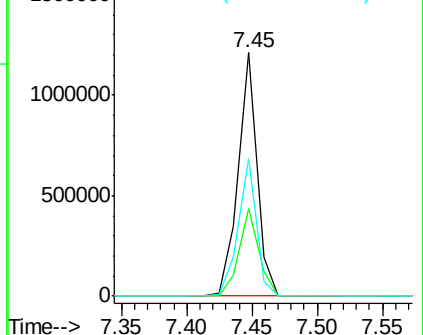
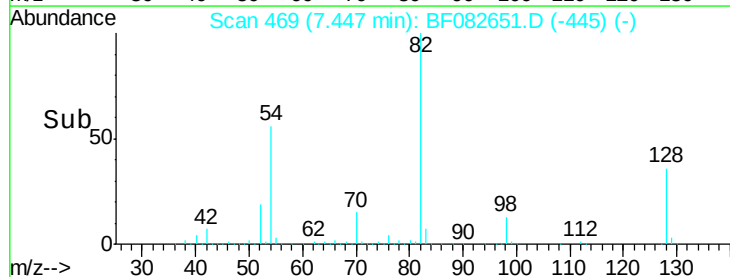


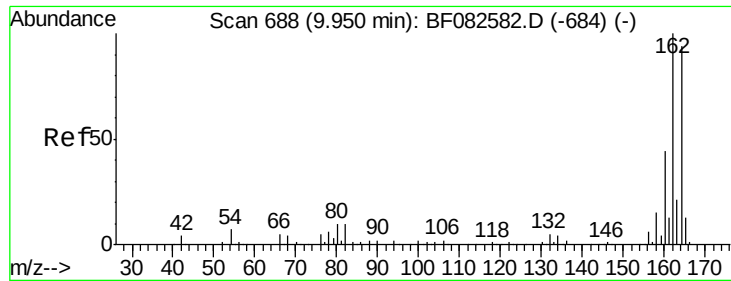
#23  
Nitrobenzene-d5  
Concen: 69.69 ng  
RT: 7.45 min Scan# 469  
Delta R.T. -0.02 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1211940 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 35.7  | 26.8  | 40.2    |
| 54       | 56.3  | 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

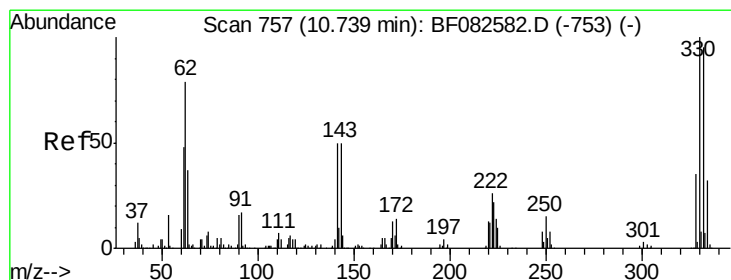
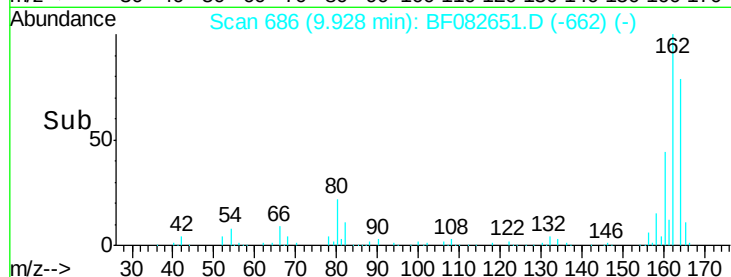
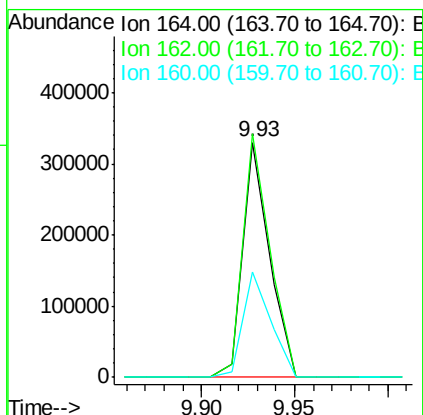
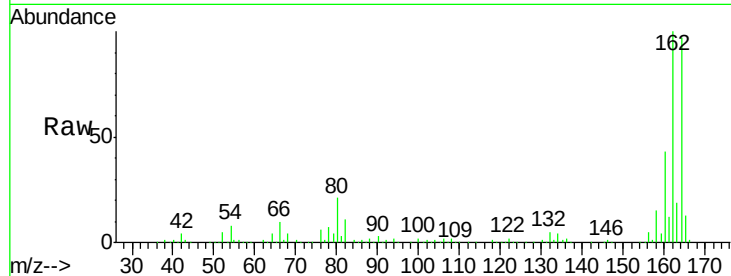




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.02 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

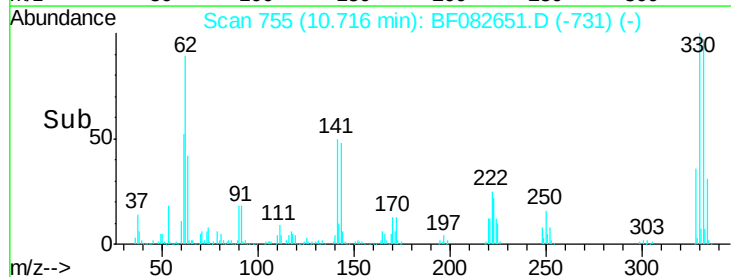
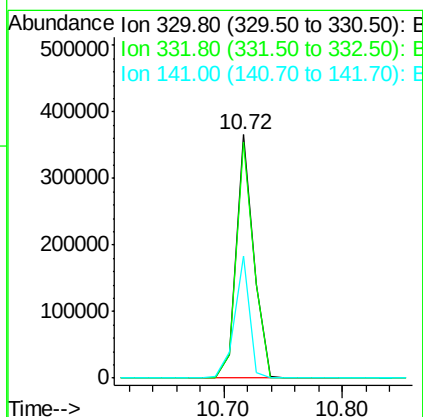
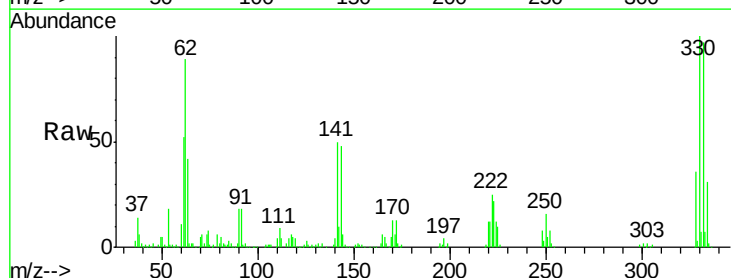
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 T-20R

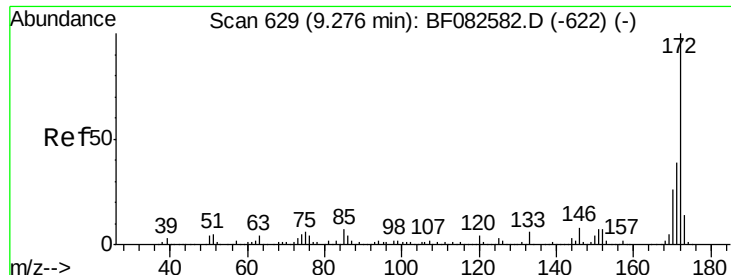
Tgt Ion:164 Resp: 328711  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 84.9 127.3  
 160 44.6 37.5 56.3



#41  
 2,4,6-Tribromophenol  
 Concen: 104.23 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.02 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Tgt Ion:330 Resp: 374969  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.6 114.8  
 141 42.5 41.2 61.8

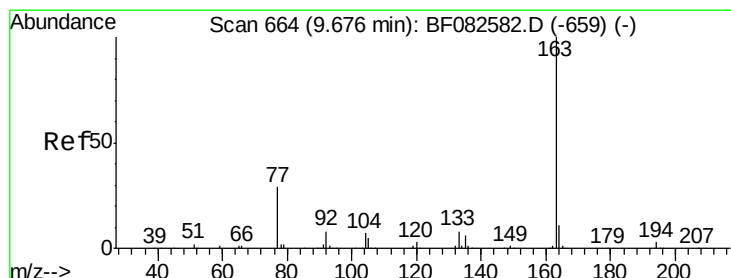
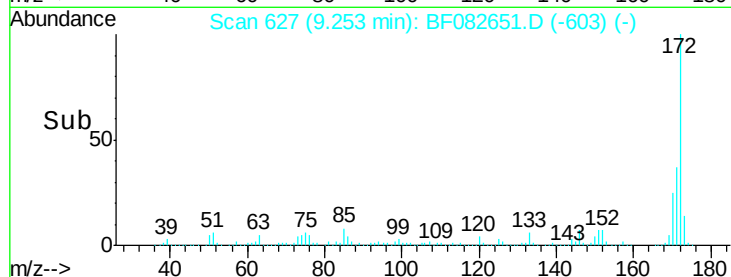
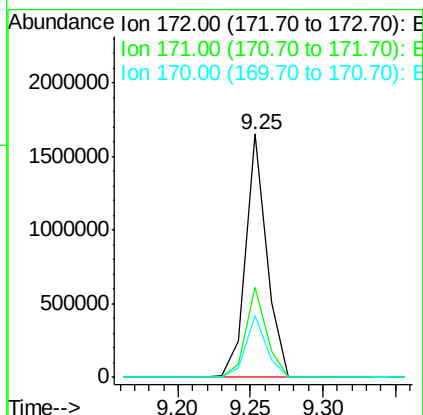
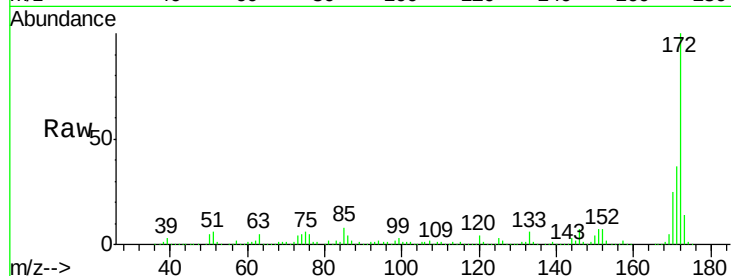




#44  
2-Fluorobiphenyl  
Concen: 71.79 ng  
RT: 9.25 min Scan# 627  
Delta R.T. -0.02 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

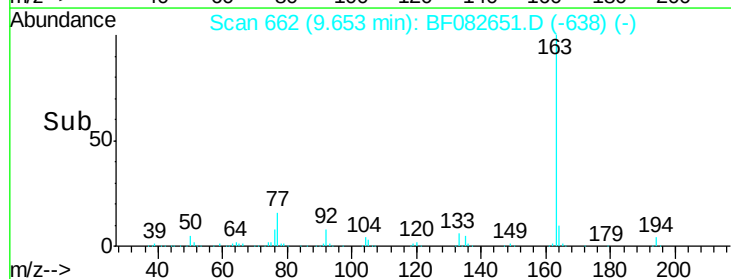
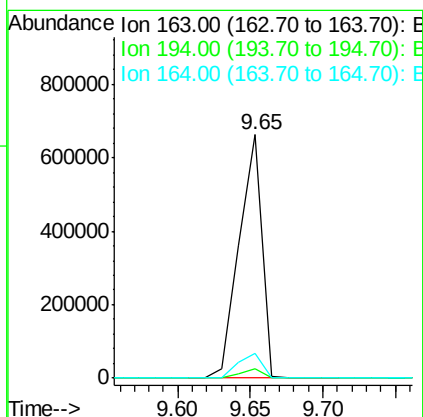
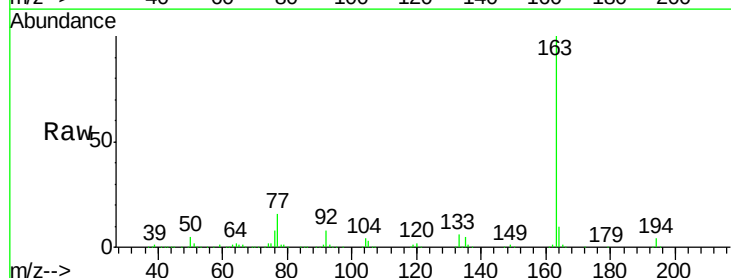
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:172 Resp: 1662105  
Ion Ratio Lower Upper  
172 100  
171 36.9 30.8 46.2  
170 25.3 21.2 31.8

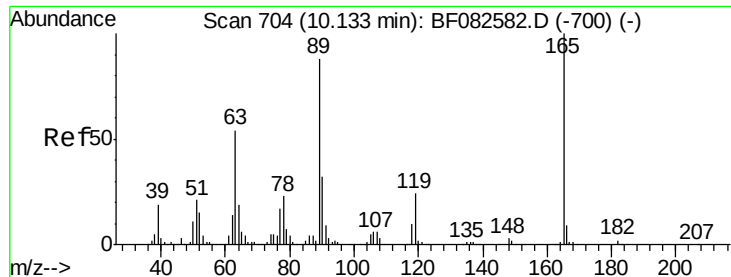


#49  
Dimethylphthalate  
Concen: 26.91 ng  
RT: 9.65 min Scan# 662  
Delta R.T. -0.02 min  
Lab File: BF082651.D  
Acq: 3 Nov 2015 00:57

Tgt Ion:163 Resp: 722294  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.6 4.0#  
164 10.0 8.7 13.1



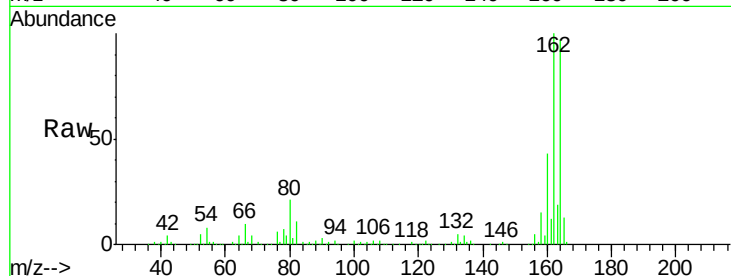




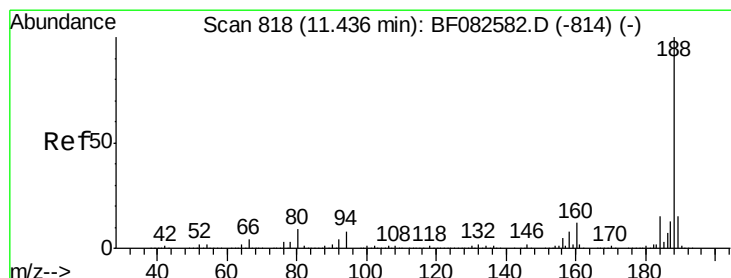
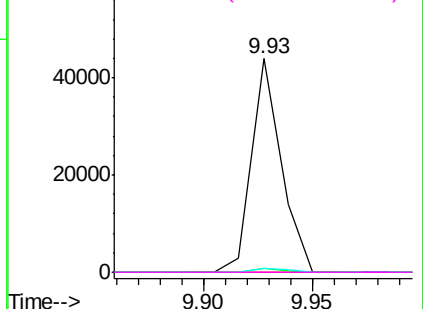
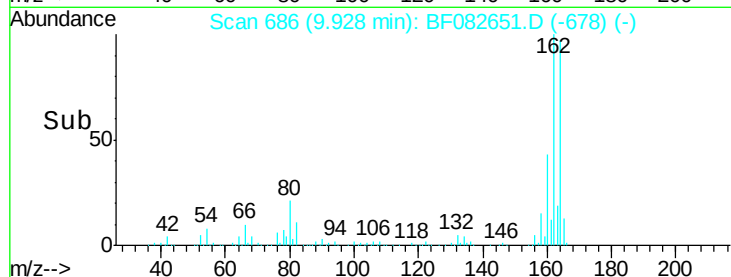
#56  
 2,4-Dinitrotoluene  
 Concen: 5.55 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.21 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-20R

Tgt Ion:165 Resp: 41742  
 Ion Ratio Lower Upper  
 165 100  
 63 1.7 43.4 65.0#  
 89 1.7 70.6 106.0#  
 182 0.0 1.5 2.3#

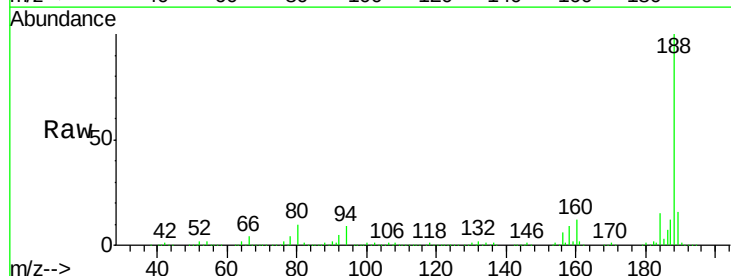


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

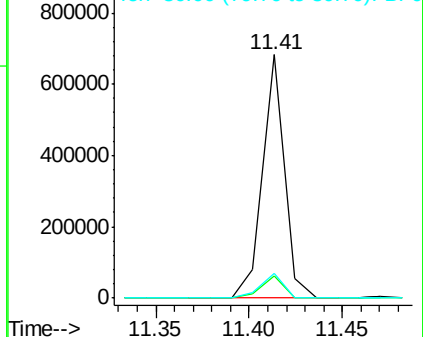
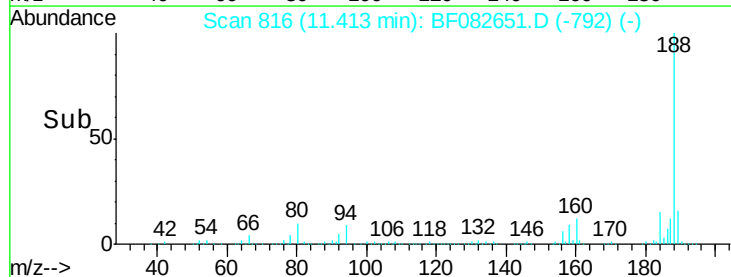


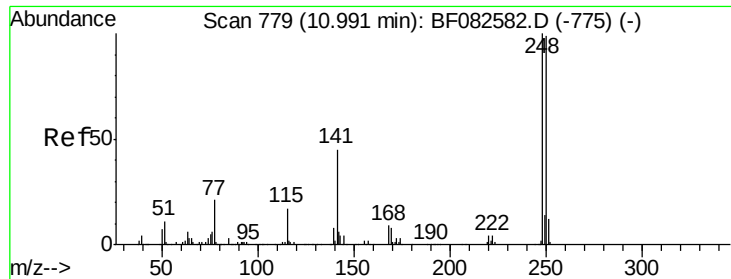
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.41 min Scan# 816  
 Delta R.T. -0.02 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Tgt Ion:188 Resp: 563053  
 Ion Ratio Lower Upper  
 188 100  
 94 8.9 6.1 9.1  
 80 10.1 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

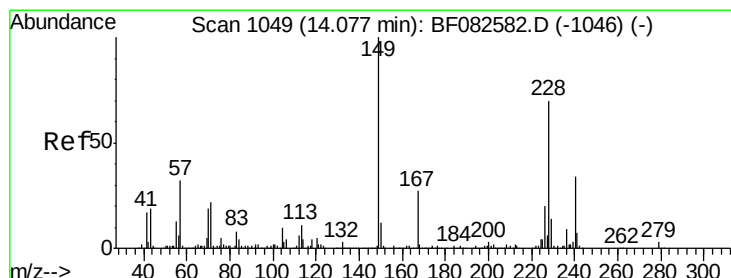
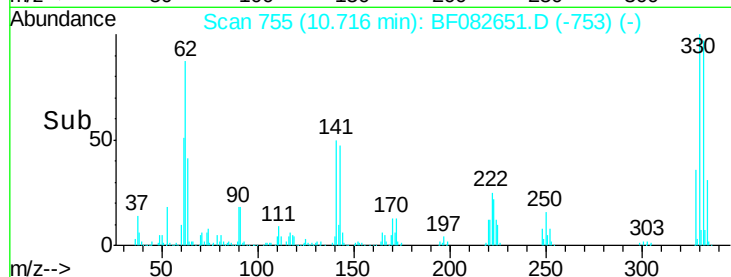
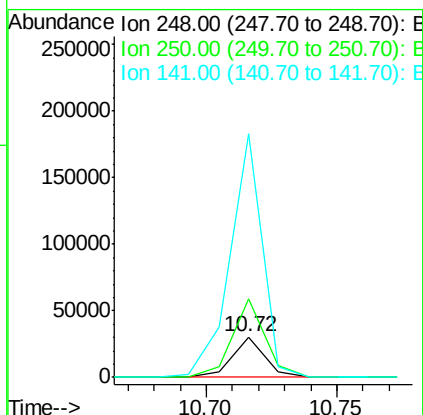
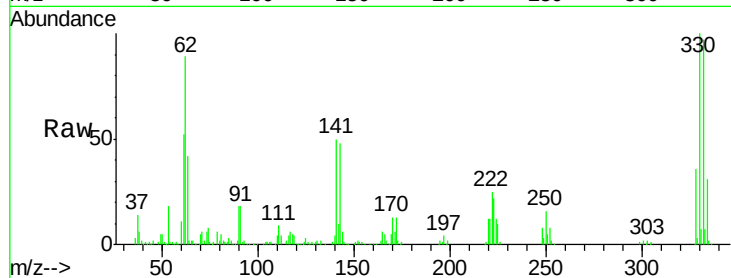




#66  
 4-Bromophenyl-phenylether  
 Concen: 4.22 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.27 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

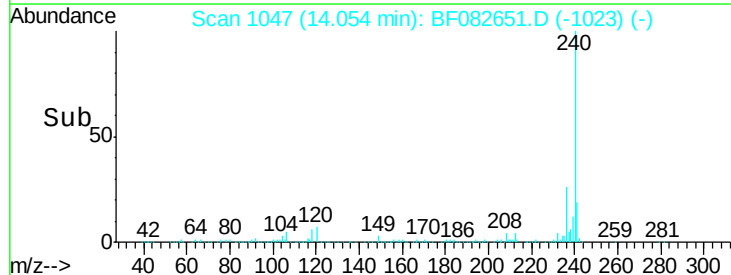
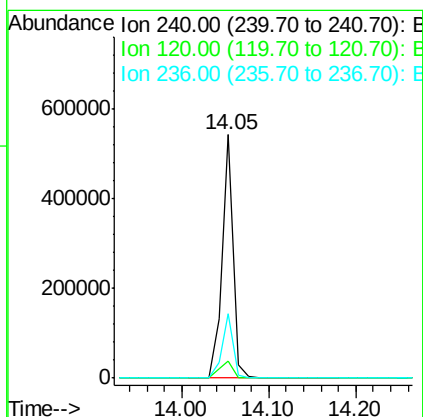
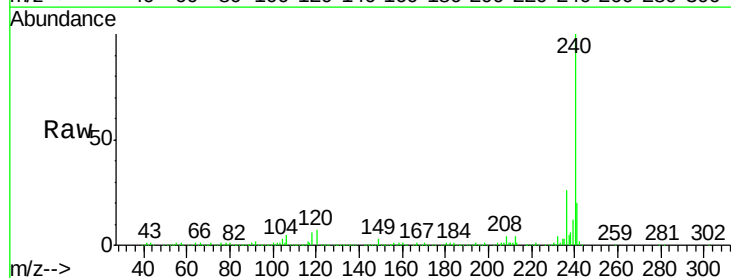
Instrument :  
 BNA\_F  
 ClientSampled :  
 T-20R

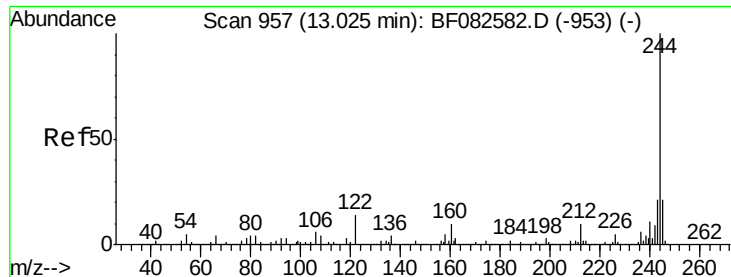
Tgt Ion: 248 Resp: 26927  
 Ion Ratio Lower Upper  
 248 100  
 250 195.9 79.4 119.2#  
 141 605.7 36.3 54.5#



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.05 min Scan# 1047  
 Delta R.T. -0.02 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Tgt Ion: 240 Resp: 491186  
 Ion Ratio Lower Upper  
 240 100  
 120 6.8 10.9 16.3#  
 236 26.2 21.6 32.4

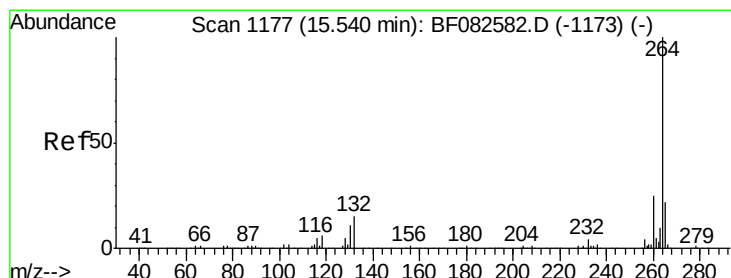
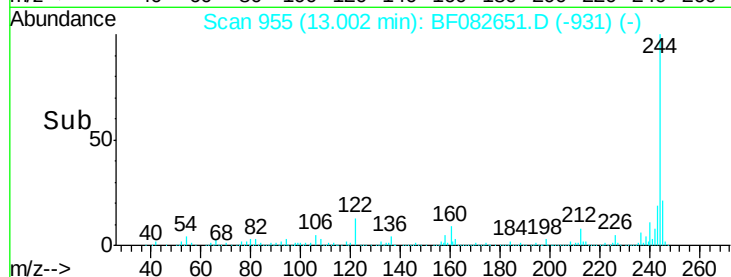
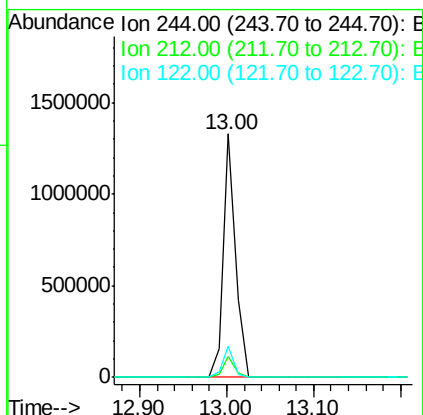
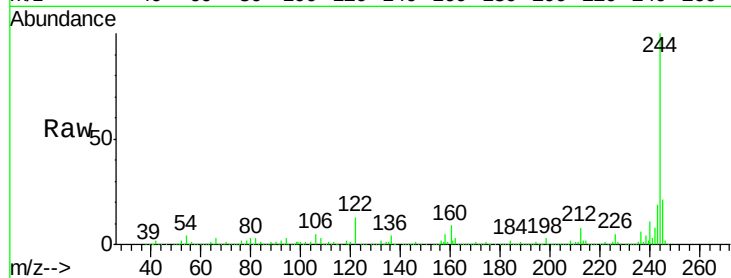




#78  
 Terphenyl-d14  
 Concen: 58.65 ng  
 RT: 13.00 min Scan# 955  
 Delta R.T. -0.02 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-20R

Tgt Ion:244 Resp: 1316292  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 7.6 11.4  
 122 12.8 11.3 16.9



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.49 min Scan# 1173  
 Delta R.T. -0.05 min  
 Lab File: BF082651.D  
 Acq: 3 Nov 2015 00:57

Tgt Ion:264 Resp: 395508  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.8 29.6  
 265 21.9 17.4 26.0

