

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102715\  
 Data File : BF082552.D  
 Acq On : 27 Oct 2015 17:50  
 Operator : UM/IZ  
 Sample : G4157-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1

Quant Time: Oct 28 00:02:10 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 27 02:43:58 2015  
 Response via : Initial Calibration

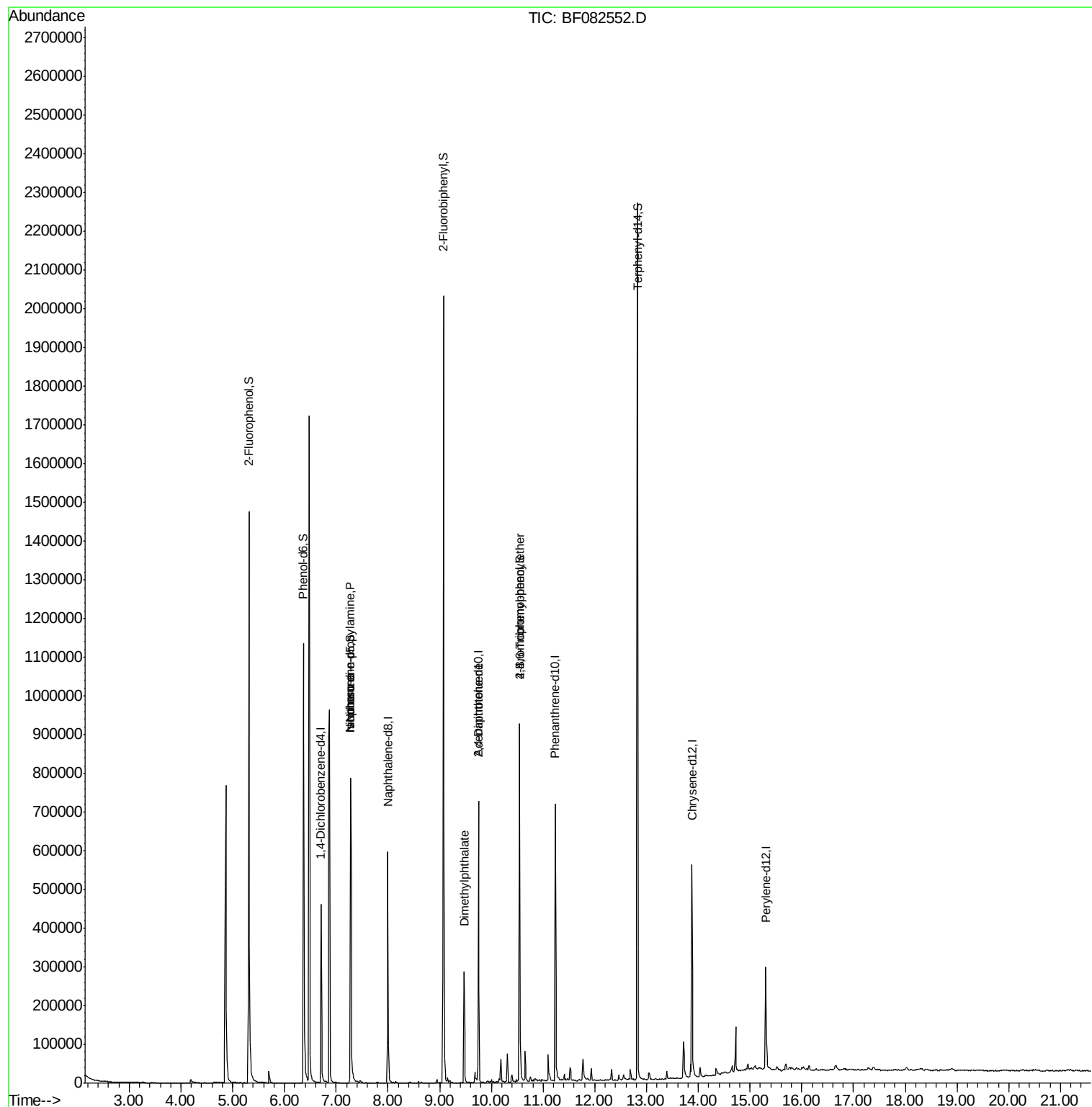
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 83310    | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.00  | 136  | 309552   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 160618   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.23 | 188  | 304842   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12               | 13.88 | 240  | 242543   | 20.00     | ng    | -0.03    |
| 86) Perylene-d12               | 15.30 | 264  | 158576   | 20.00     | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 455105   | 107.84    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 597753   | 108.68    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 362692   | 75.59     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 141271   | 117.46    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 746856   | 73.94     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.82 | 244  | 730248   | 86.74     | ng    | -0.02    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.37  | 77   | 787      | Below Cal | #     | 3        |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 46253    | 12.91     | ng    | # 80     |
| 25) Isophorone                 | 7.28  | 82   | 352313   | 36.96     | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 144866   | 12.96     | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 20096    | 6.76      | ng    | # 10     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 10493    | 3.67      | ng    | # 1      |

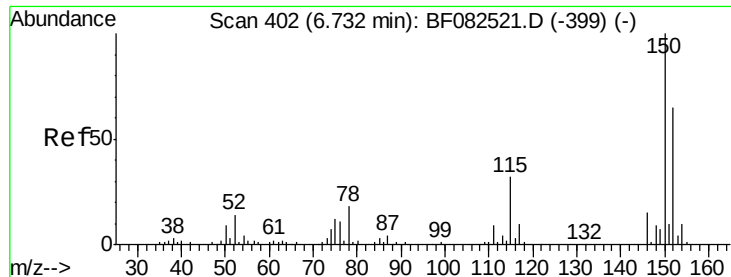
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

Instrument :

BNA\_F

ClientSampleId :

SB-1

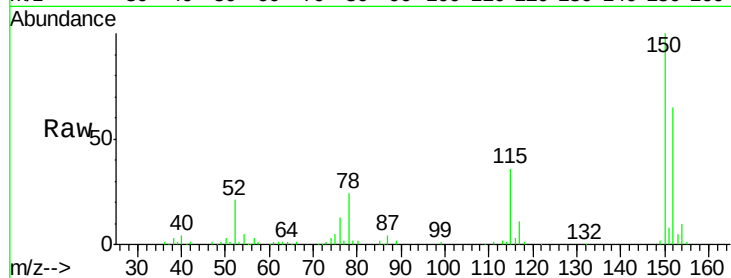
Tgt Ion:152 Resp: 83310

Ion Ratio Lower Upper

152 100

150 154.2 123.4 185.0

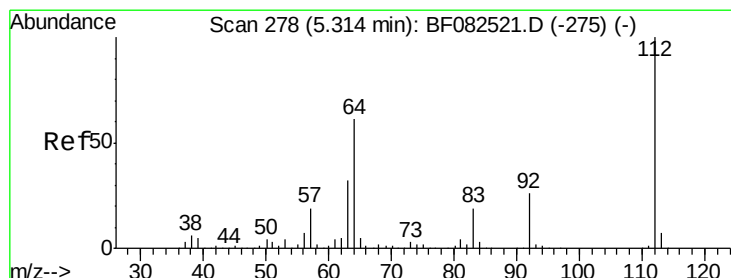
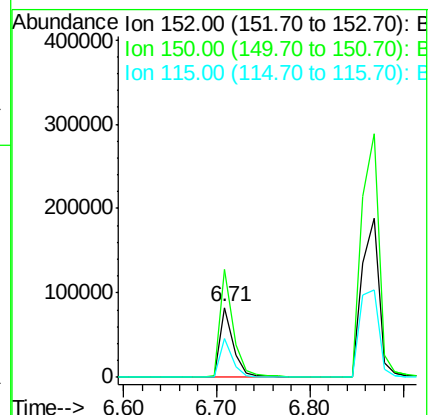
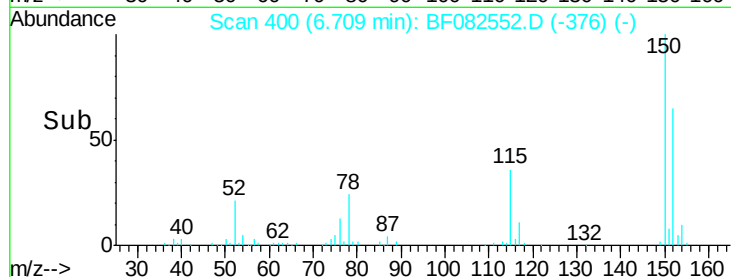
115 55.7 39.0 58.4



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: 107.84 ng

RT: 5.31 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

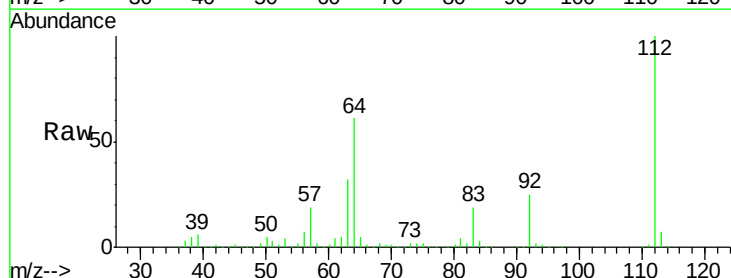
Tgt Ion:112 Resp: 455105

Ion Ratio Lower Upper

112 100

64 60.6 49.0 73.4

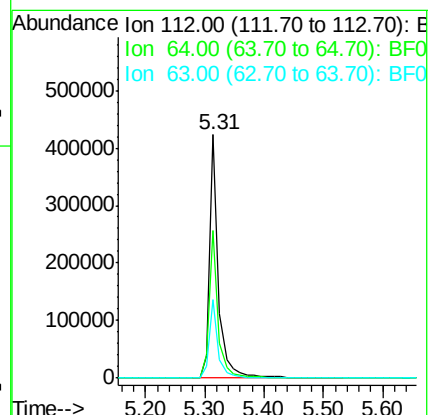
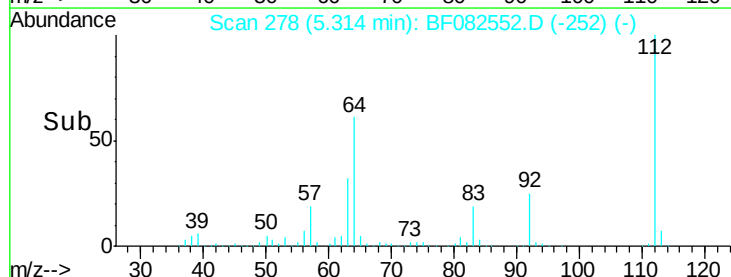
63 32.1 25.8 38.6

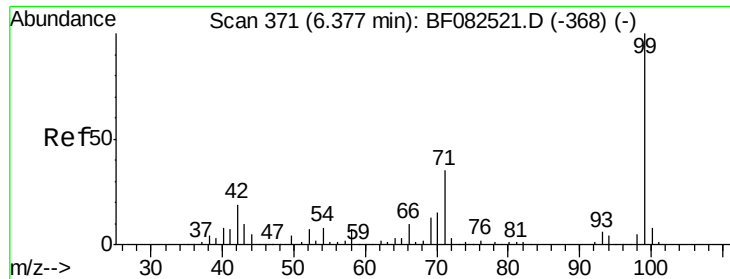


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.68 ng

RT: 6.37 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

Instrument :

BNA\_F

ClientSampleId :

SB-1

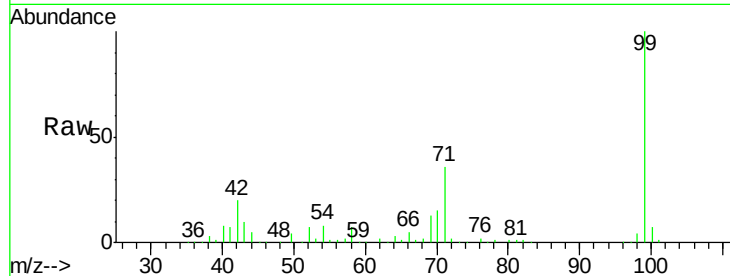
Tgt Ion: 99 Resp: 597753

Ion Ratio Lower Upper

99 100

42 20.2 15.1 22.7

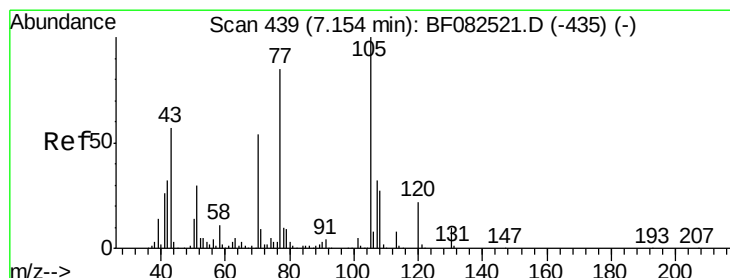
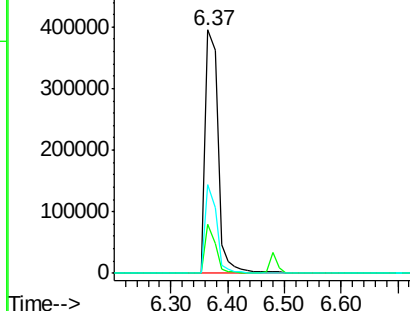
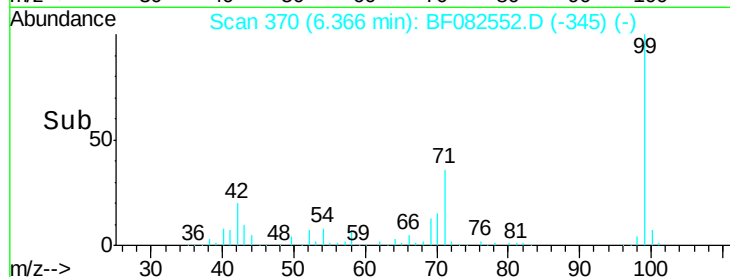
71 36.2 28.2 42.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.91 ng

RT: 7.28 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

Tgt Ion: 70 Resp: 46253

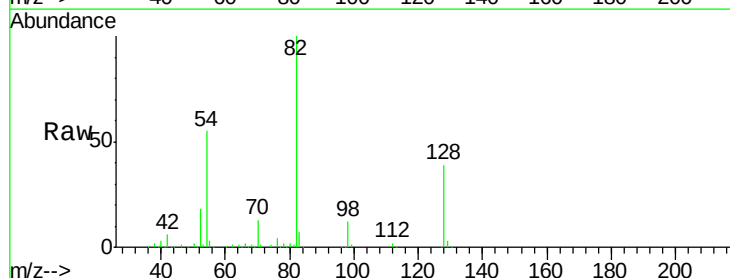
Ion Ratio Lower Upper

70 100

42 48.1 46.9 70.3

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#

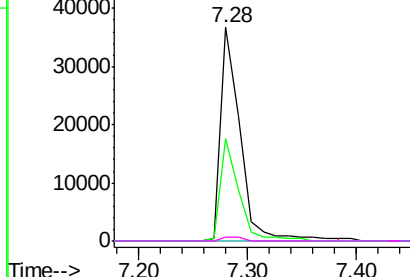
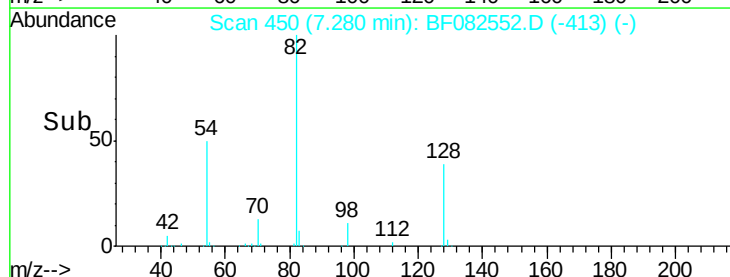


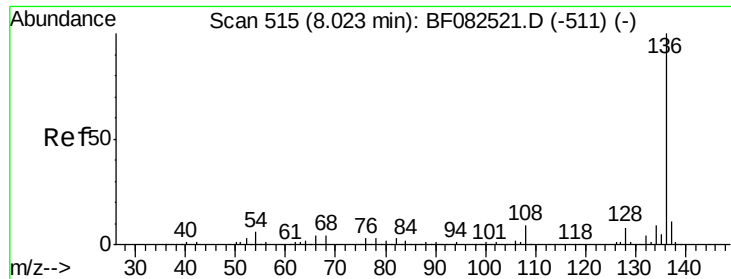
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

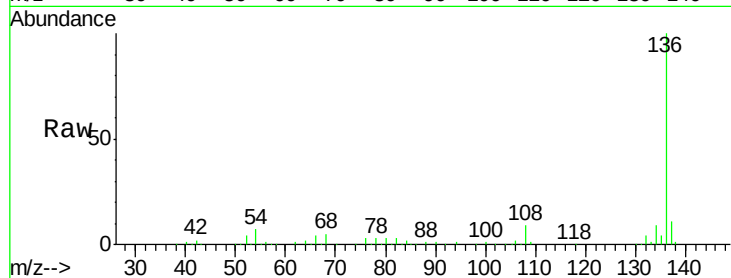




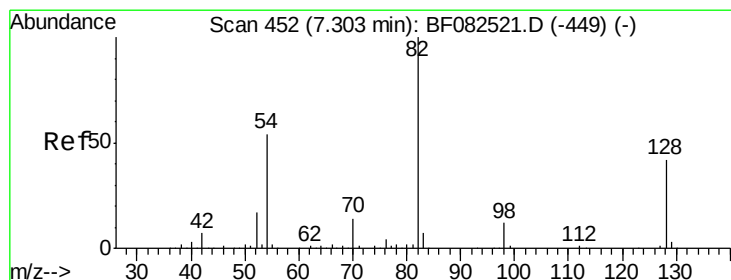
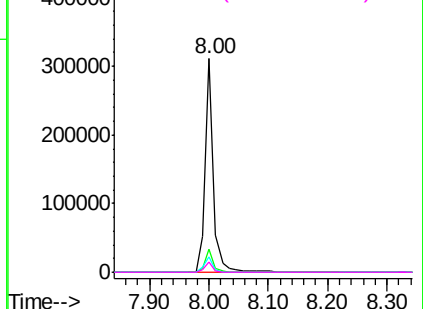
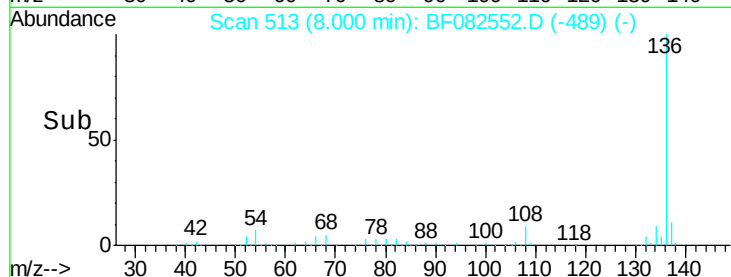
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 513  
Delta R.T. -0.02 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

Instrument :  
BNA\_F  
ClientSampled :  
SB-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 309552 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 7.5   | 4.6   | 7.0#   |
| 68       | 4.6   | 3.2   | 4.8    |

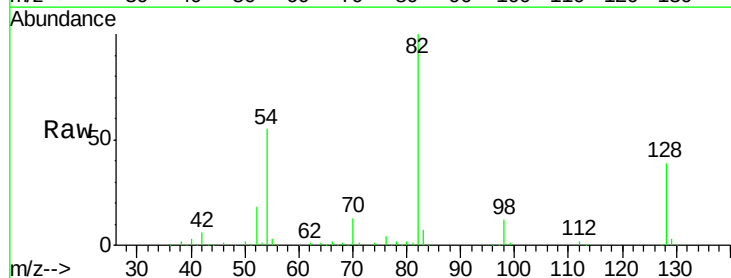


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

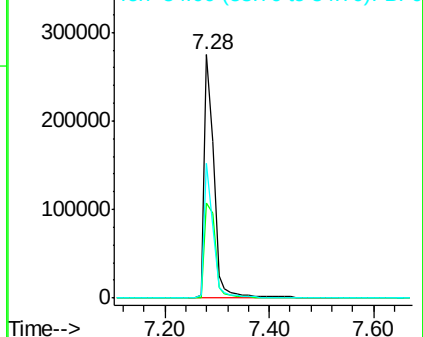
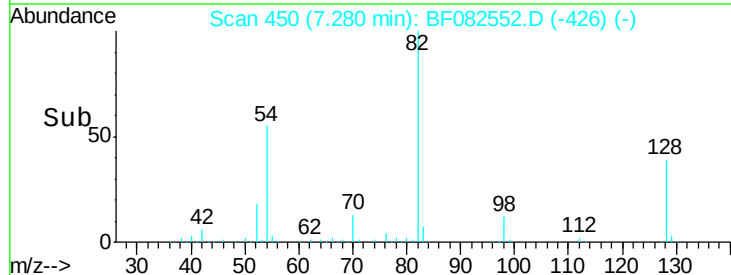


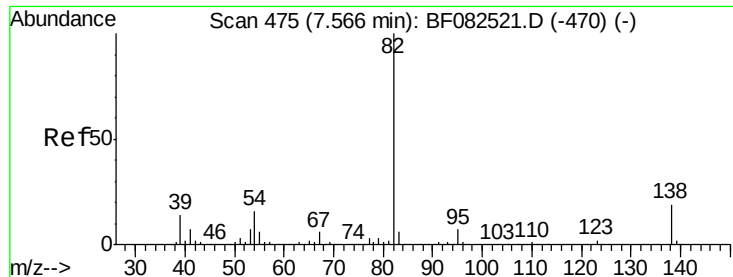
#23  
Nitrobenzene-d5  
Concen: 75.59 ng  
RT: 7.28 min Scan# 450  
Delta R.T. -0.02 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 362692 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.2  | 33.4  | 50.0   |
| 54       | 55.2  | 43.5  | 65.3   |



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

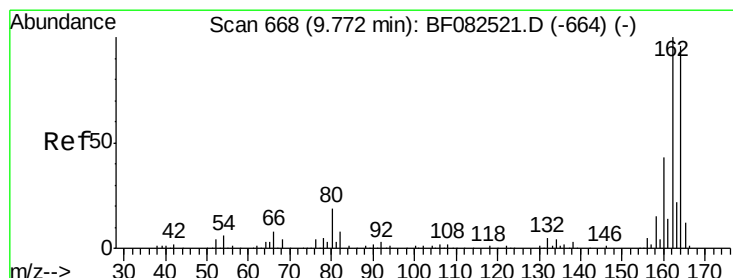
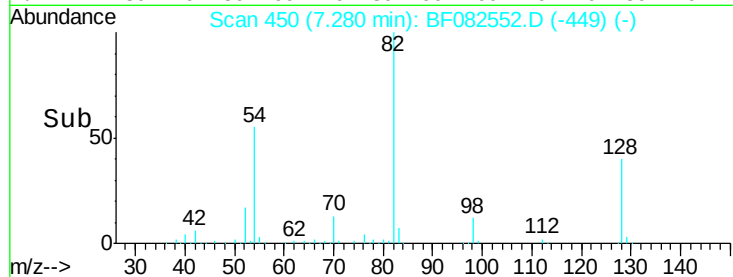
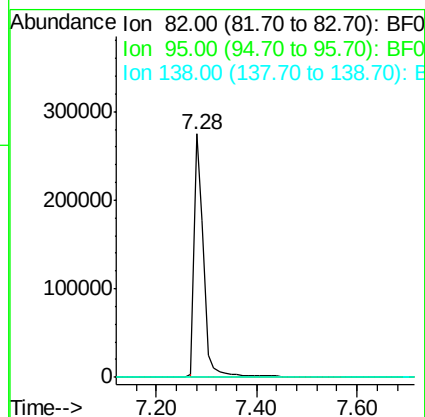
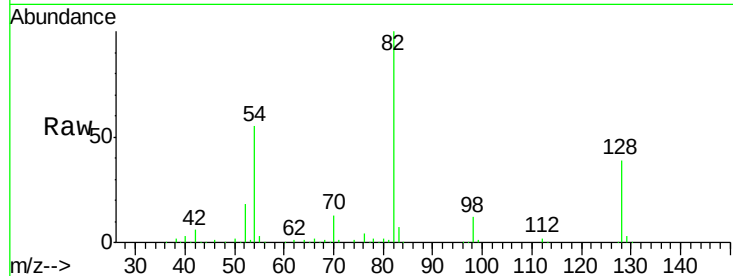




#25  
Isophorone  
Concen: 36.96 ng  
RT: 7.28 min Scan# 450  
Delta R.T. -0.29 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

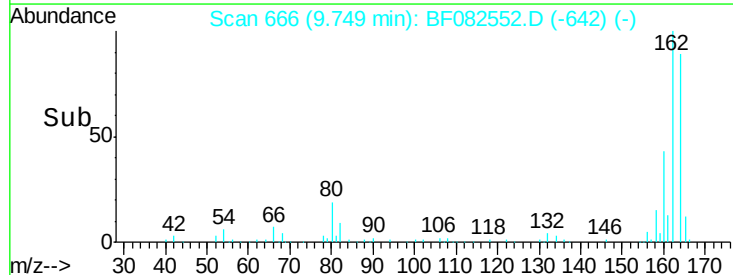
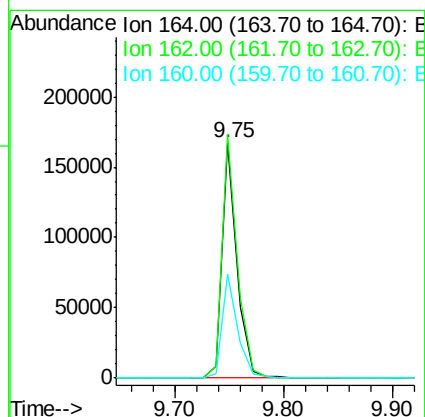
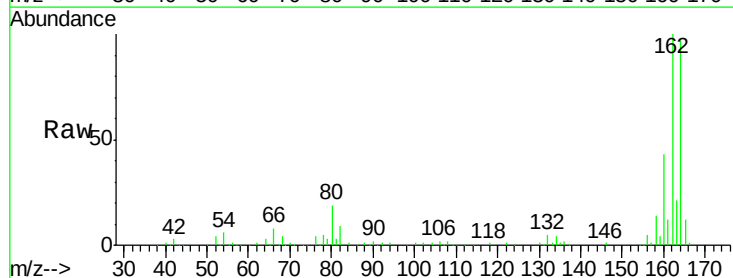
Instrument :  
BNA\_F  
ClientSampleId :  
SB-1

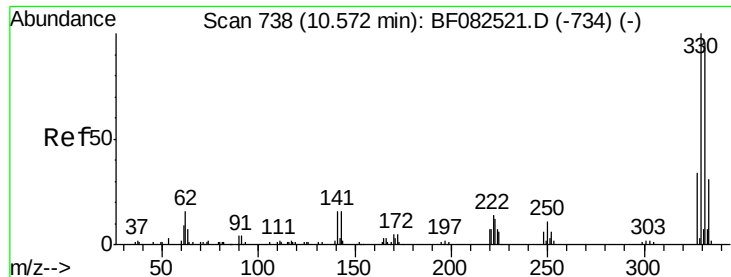
Tgt Ion: 82 Resp: 352313  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 15.0 22.4#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.75 min Scan# 666  
Delta R.T. -0.02 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

Tgt Ion: 164 Resp: 160618  
Ion Ratio Lower Upper  
164 100  
162 103.5 83.6 125.4  
160 44.0 36.0 54.0

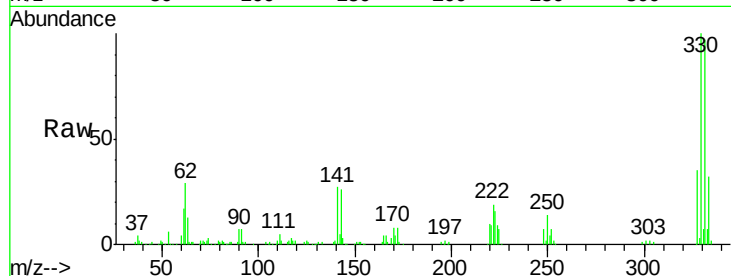




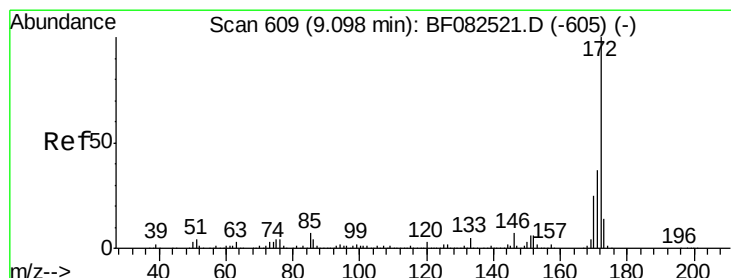
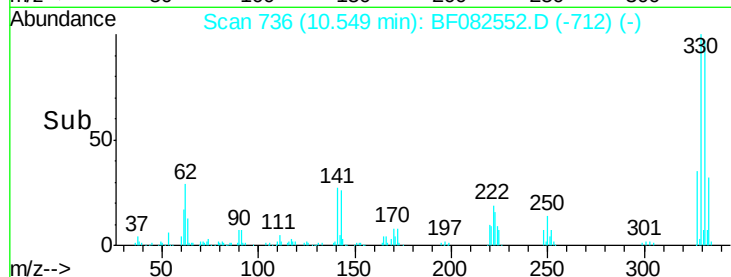
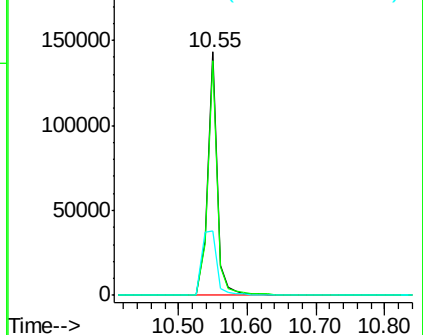
#41  
 2,4,6-Tribromophenol  
 Concen: 117.46 ng  
 RT: 10.55 min Scan# 736  
 Delta R.T. -0.02 min  
 Lab File: BF082552.D  
 Acq: 27 Oct 2015 17:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1

Tgt Ion:330 Resp: 141271  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.4 116.0  
 141 40.6 32.5 48.7

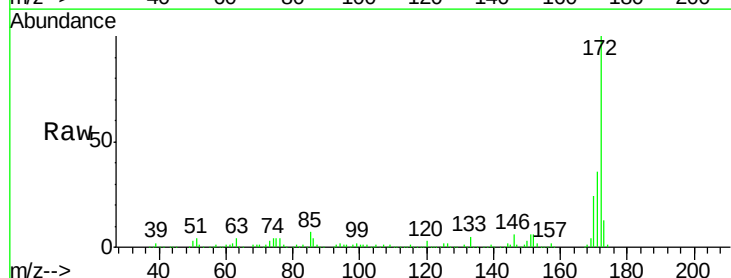


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

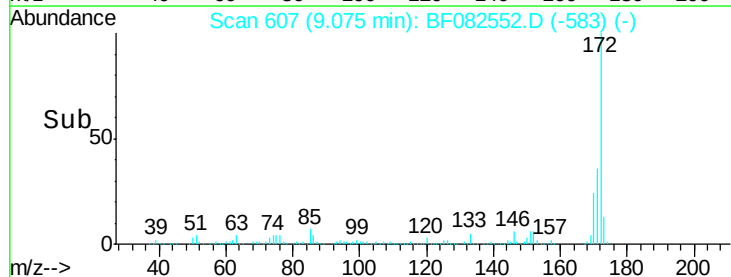
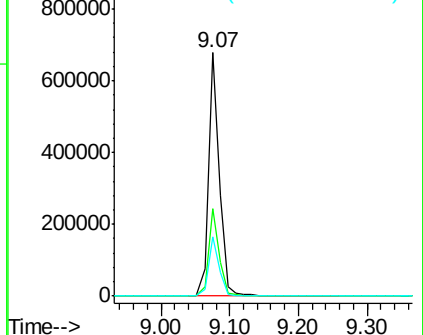


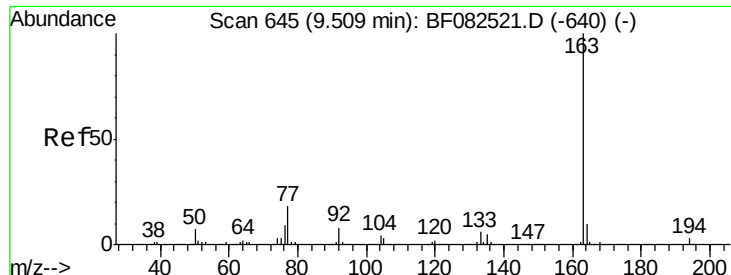
#44  
 2-Fluorobiphenyl  
 Concen: 73.94 ng  
 RT: 9.07 min Scan# 607  
 Delta R.T. -0.02 min  
 Lab File: BF082552.D  
 Acq: 27 Oct 2015 17:50

Tgt Ion:172 Resp: 746856  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.3 43.9  
 170 24.1 19.8 29.6



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: 12.96 ng

RT: 9.47 min Scan# 642

Delta R.T. -0.03 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

Instrument :

BNA\_F

ClientSampleId :

SB-1

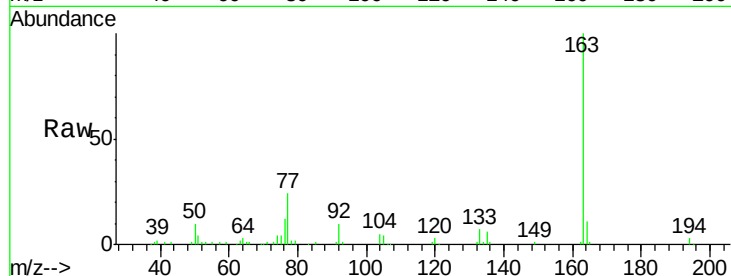
Tgt Ion:163 Resp: 144866

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

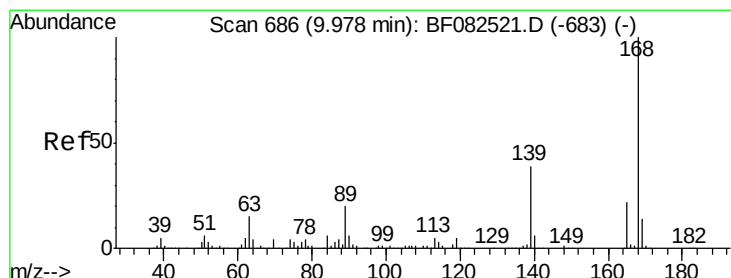
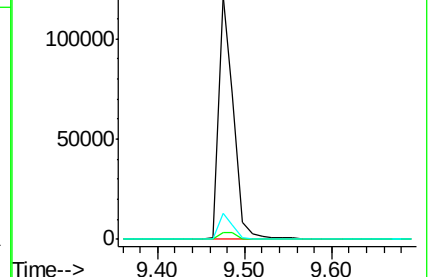
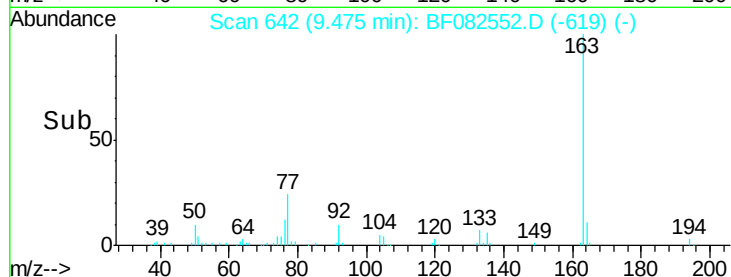
164 10.8 8.2 12.4



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: 6.76 ng

RT: 9.75 min Scan# 666

Delta R.T. -0.23 min

Lab File: BF082552.D

Acq: 27 Oct 2015 17:50

Tgt Ion:165 Resp: 20096

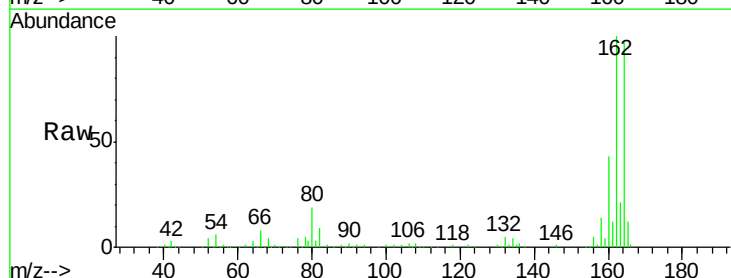
Ion Ratio Lower Upper

165 100

63 0.0 58.6 88.0#

89 1.8 72.3 108.5#

182 0.0 1.8 2.8#

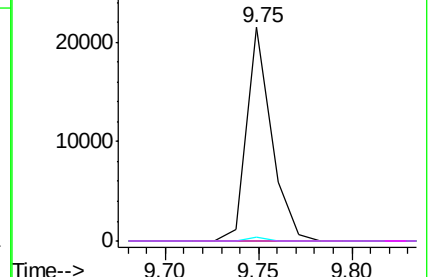
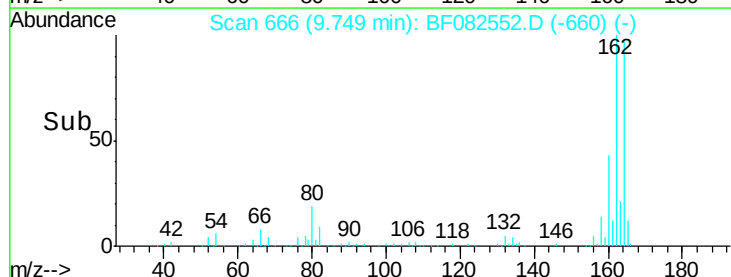


Abundance Ion 165.00 (164.70 to 165.70): E

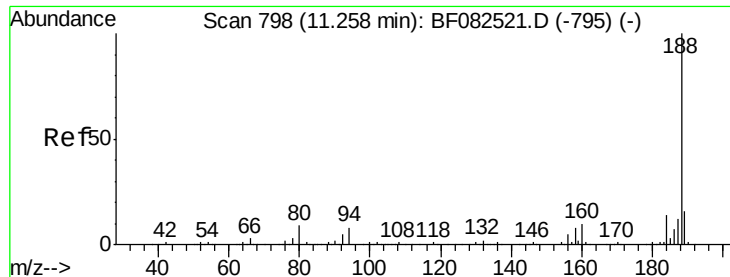
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



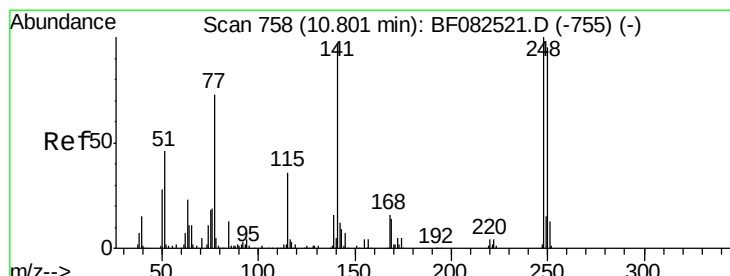
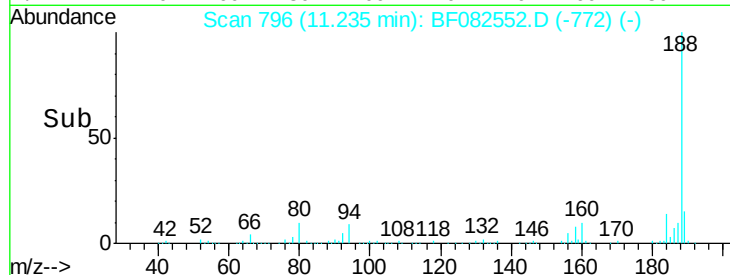
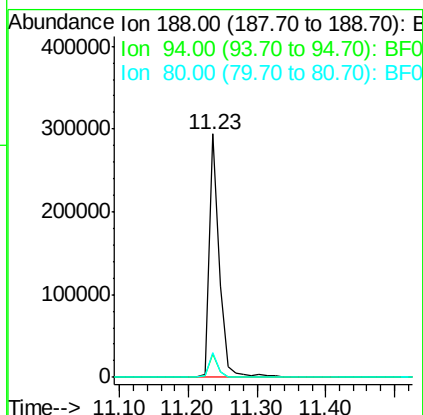
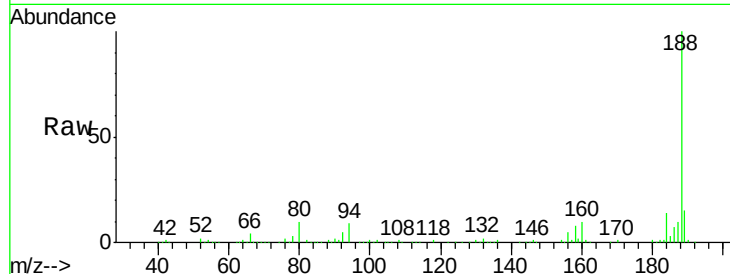




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.23 min Scan# 796  
 Delta R.T. -0.02 min  
 Lab File: BF082552.D  
 Acq: 27 Oct 2015 17:50

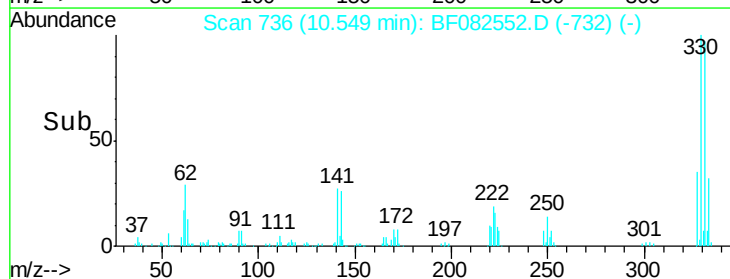
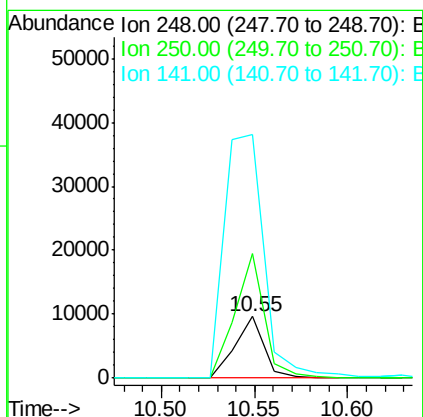
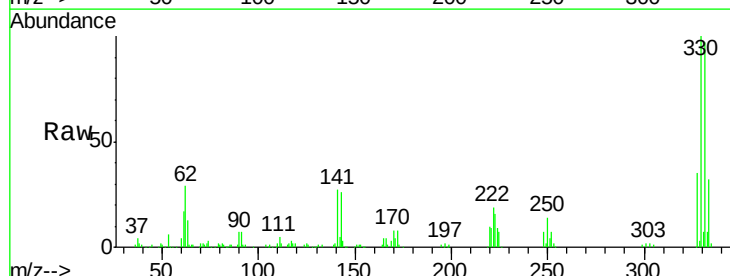
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-1

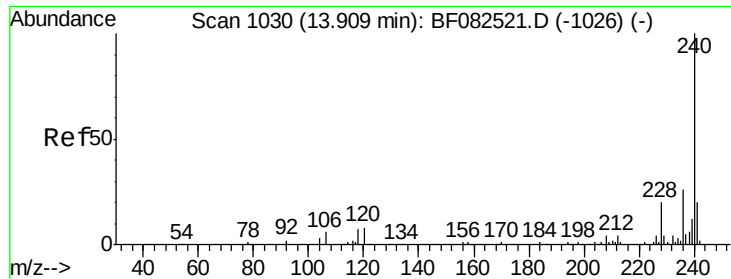
Tgt Ion:188 Resp: 304842  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 6.4 9.6  
 80 9.9 7.0 10.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.67 ng  
 RT: 10.55 min Scan# 736  
 Delta R.T. -0.25 min  
 Lab File: BF082552.D  
 Acq: 27 Oct 2015 17:50

Tgt Ion:248 Resp: 10493  
 Ion Ratio Lower Upper  
 248 100  
 250 202.3 76.0 114.0#  
 141 394.5 77.5 116.3#

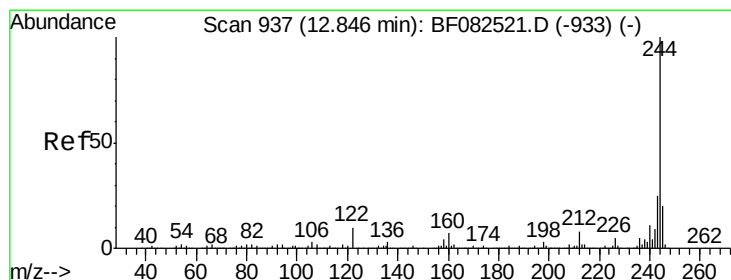
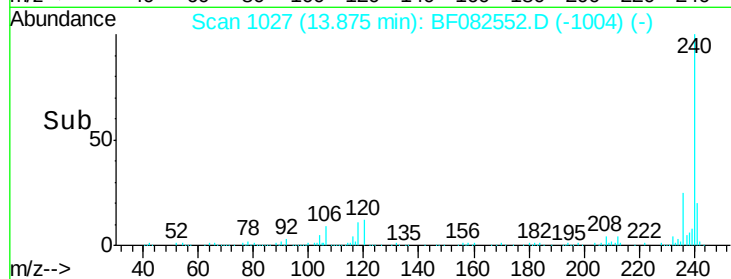
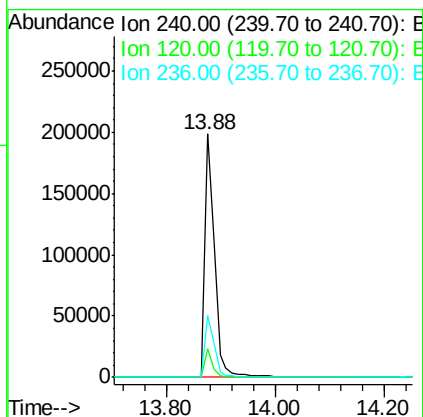
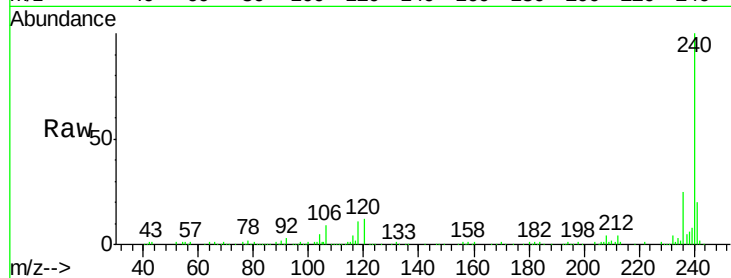




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.88 min Scan# 1027  
Delta R.T. -0.03 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

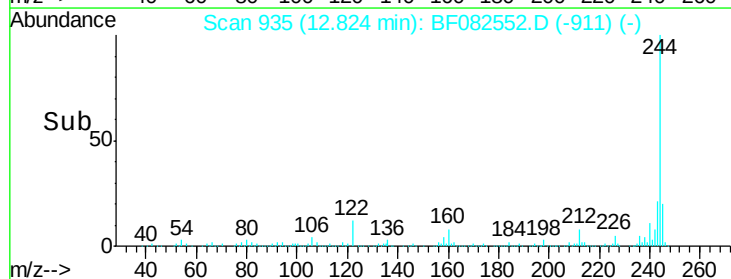
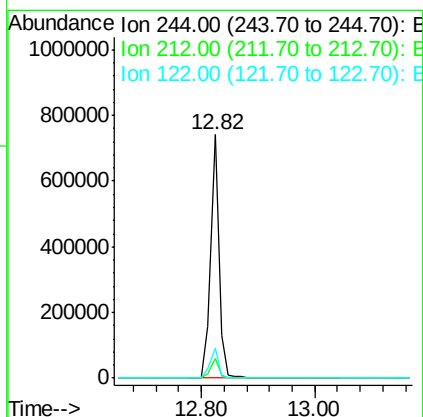
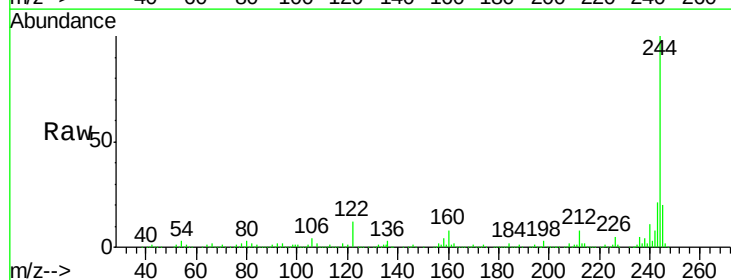
Instrument :  
BNA\_F  
ClientSampled :  
SB-1

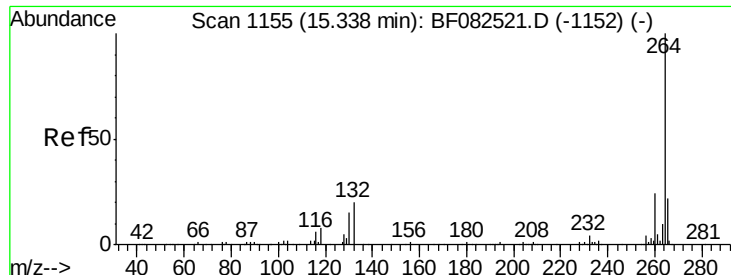
Tgt Ion:240 Resp: 242543  
Ion Ratio Lower Upper  
240 100  
120 11.9 6.5 9.7#  
236 25.3 20.5 30.7



#78  
Terphenyl-d14  
Concen: 86.74 ng  
RT: 12.82 min Scan# 935  
Delta R.T. -0.02 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

Tgt Ion:244 Resp: 730248  
Ion Ratio Lower Upper  
244 100  
212 8.0 6.4 9.6  
122 12.2 8.1 12.1#

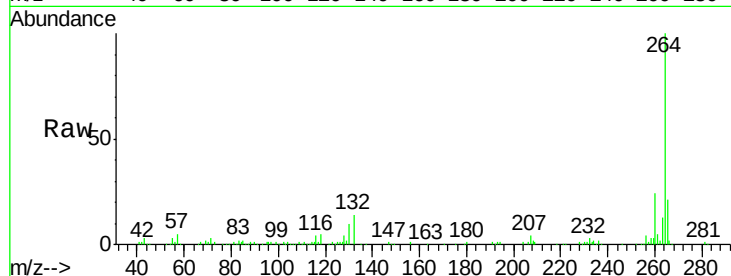




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 1152  
Delta R.T. -0.03 min  
Lab File: BF082552.D  
Acq: 27 Oct 2015 17:50

Instrument :  
BNA\_F  
ClientSampleId :  
SB-1

Tgt Ion: 264 Resp: 158576  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.0 28.6  
265 21.2 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

