

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111715\  
 Data File : BF082982.D  
 Acq On : 17 Nov 2015 23:01  
 Operator : UM/IZ  
 Sample : G4407-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 18 04:29:48 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 17 04:41:30 2015  
 Response via : Initial Calibration

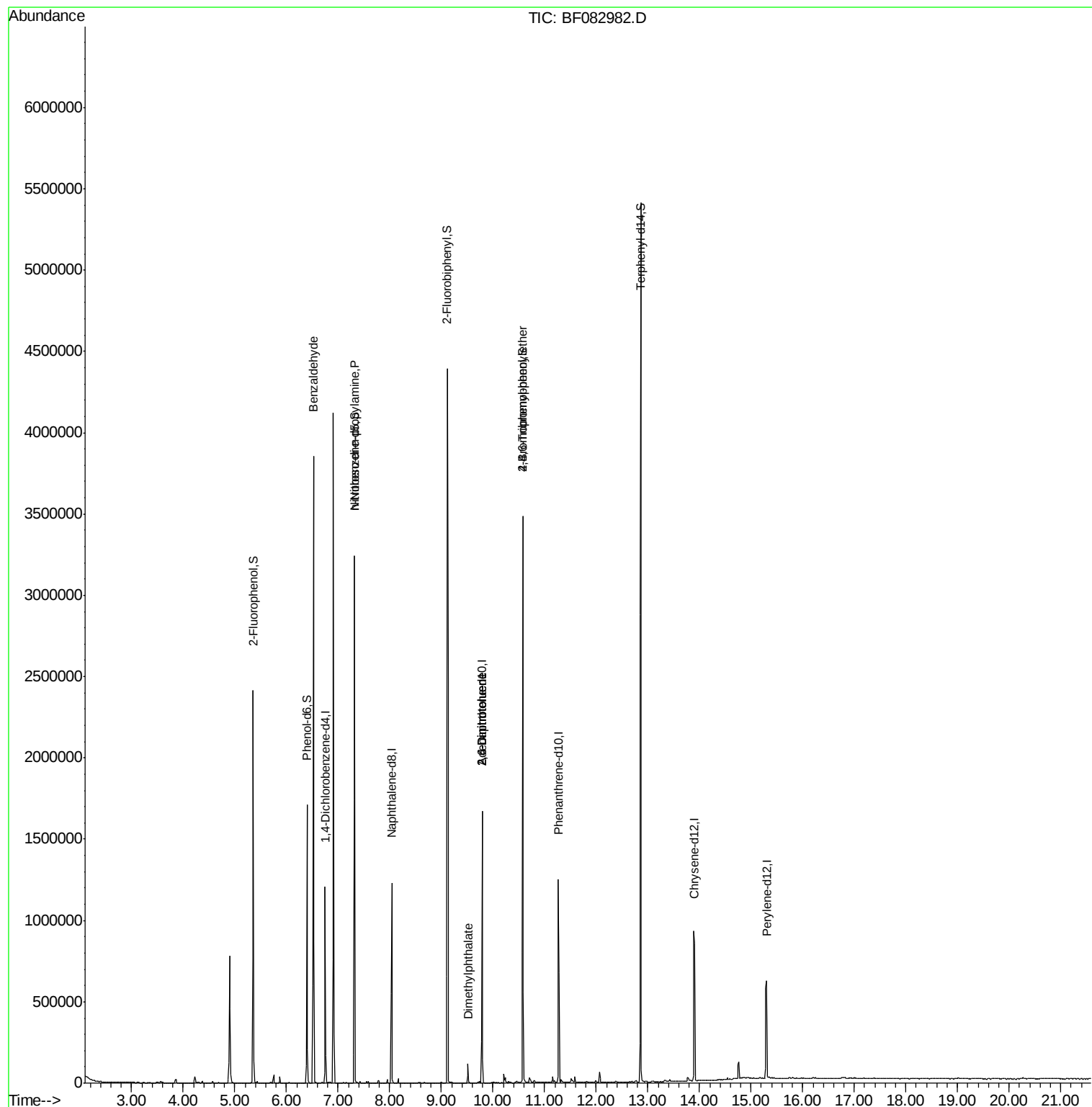
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 156789   | 20.00  | ng    | -0.10    |
| 21) Naphthalene-d8             | 8.04  | 136  | 607055   | 20.00  | ng    | -0.10    |
| 38) Acenaphthene-d10           | 9.79  | 164  | 311250   | 20.00  | ng    | -0.10    |
| 63) Phenanthrene-d10           | 11.26 | 188  | 542157   | 20.00  | ng    | -0.11    |
| 75) Chrysene-d12               | 13.91 | 240  | 474249   | 20.00  | ng    | -0.11    |
| 86) Perylene-d12               | 15.30 | 264  | 343622   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 644462   | 63.95  | ng    | -0.09    |
| 7) Phenol-d6                   | 6.40  | 99   | 495124   | 36.96  | ng    | -0.09    |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 1260788  | 90.37  | ng    | -0.09    |
| 41) 2,4,6-Tribromophenol       | 10.58 | 330  | 378797   | 106.14 | ng    | -0.10    |
| 44) 2-Fluorobiphenyl           | 9.12  | 172  | 1767609  | 81.39  | ng    | -0.10    |
| 78) Terphenyl-d14              | 12.87 | 244  | 1906229  | 95.33  | ng    | -0.10    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.52  | 77   | 25990    | 3.51   | ng    | # 81     |
| 19) n-Nitroso-di-n-propylamine | 7.32  | 70   | 170638   | 17.33  | ng    | # 69     |
| 49) Dimethylphthalate          | 9.52  | 163  | 52480    | 2.06   | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 41400    | 7.61   | ng    | # 16     |
| 56) 2,4-Dinitrotoluene         | 9.79  | 165  | 41392    | 5.61   | ng    | # 15     |
| 66) 4-Bromophenyl-phenylether  | 10.58 | 248  | 25944    | 3.97   | ng    | # 1      |

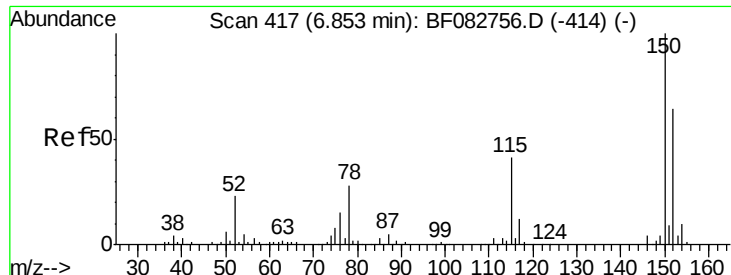
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M  
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QLast Update : Tue Nov 17 04:41:30 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.10 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

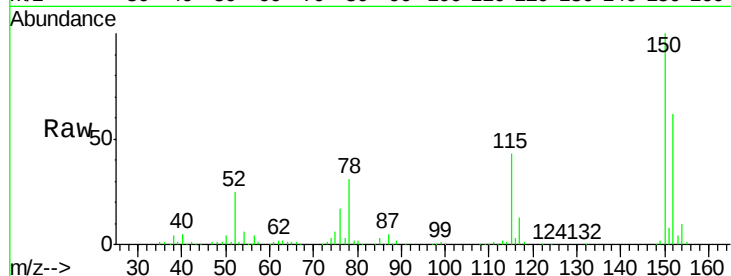
Tot Ion:152 Resp: 156789

Ion Ratio Lower Upper

152 100

150 160.1 127.0 190.4

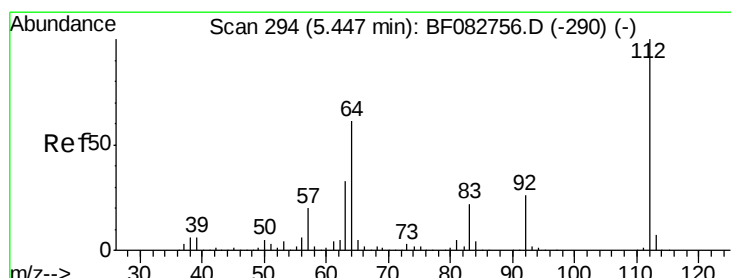
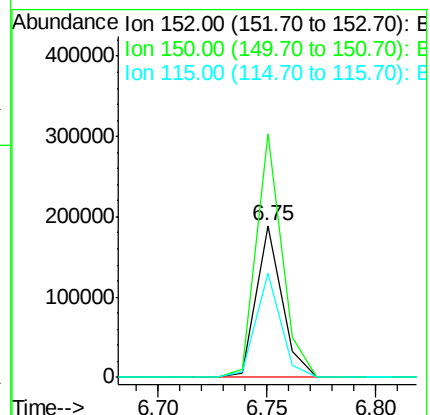
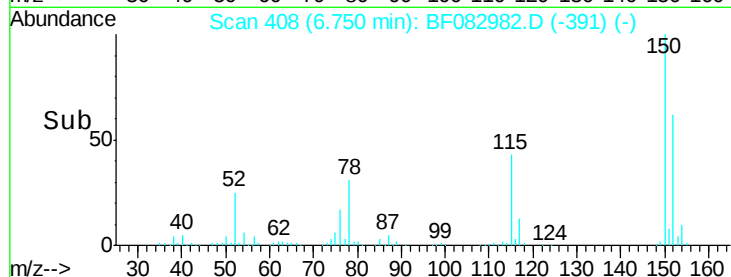
115 68.4 47.0 70.6



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: 63.95 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.09 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

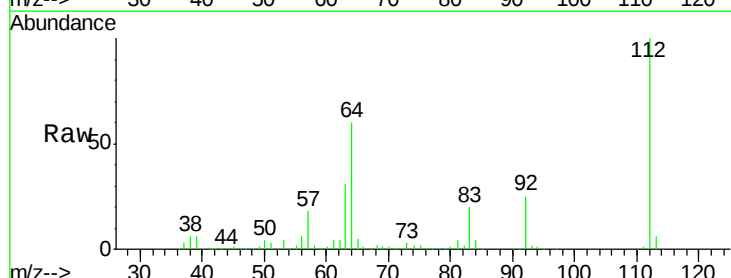
Tgt Ion:112 Resp: 644462

Ion Ratio Lower Upper

112 100

64 59.9 48.9 73.3

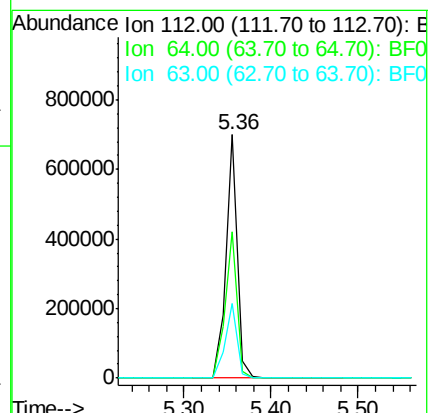
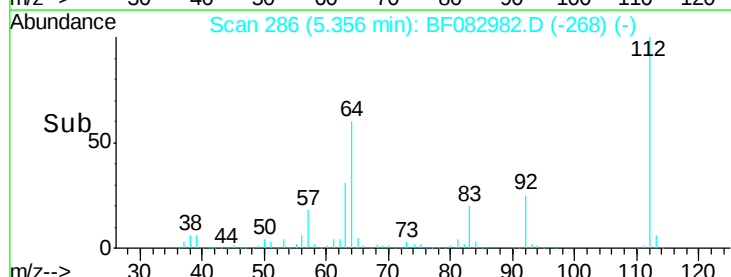
63 30.5 28.1 42.1



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: 36.96 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.09 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

Instrument :

BNA\_F

ClientSampleId :

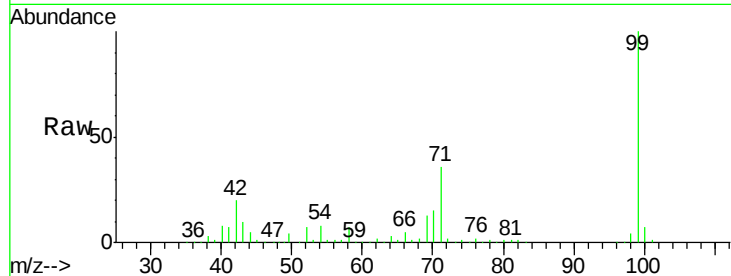
Tot Ion: 99 Resp: 495124

Ion Ratio Lower Upper

99 100

42 19.7 19.2 28.8

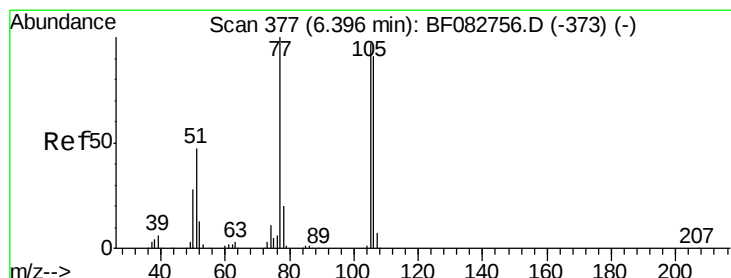
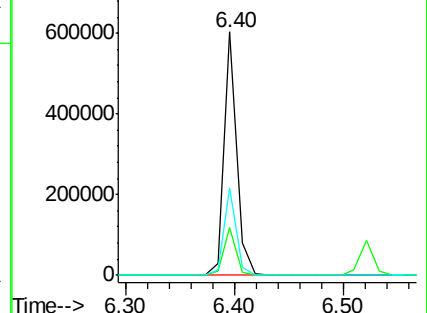
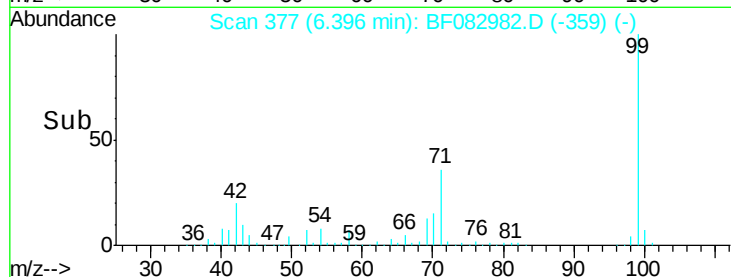
71 36.1 35.0 52.4



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: 3.51 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.13 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

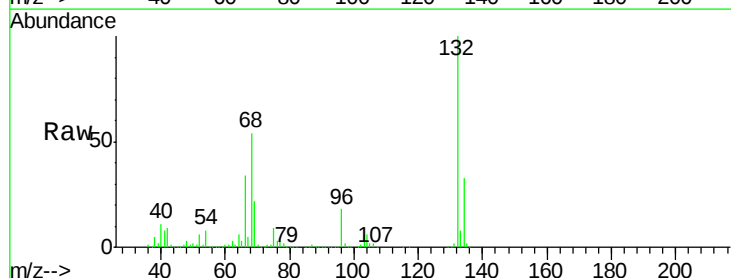
Tgt Ion: 77 Resp: 25990

Ion Ratio Lower Upper

77 100

105 69.5 63.5 103.5

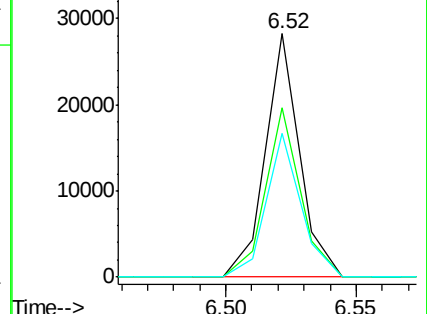
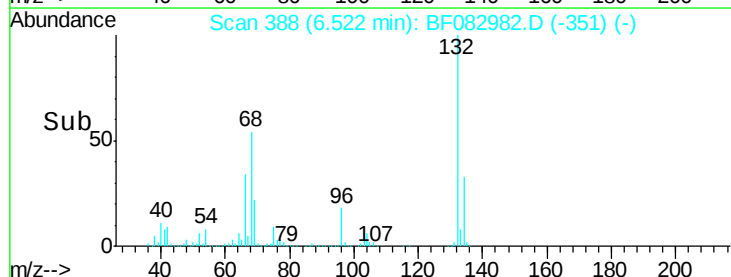
106 59.3 59.3 99.3#



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

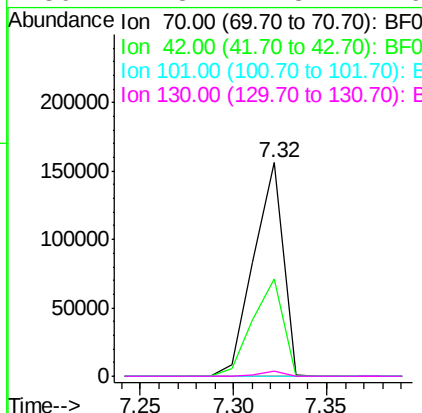
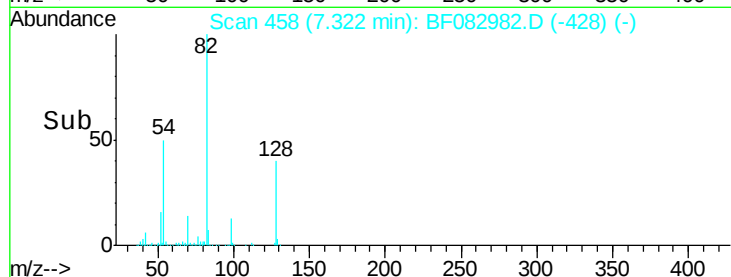
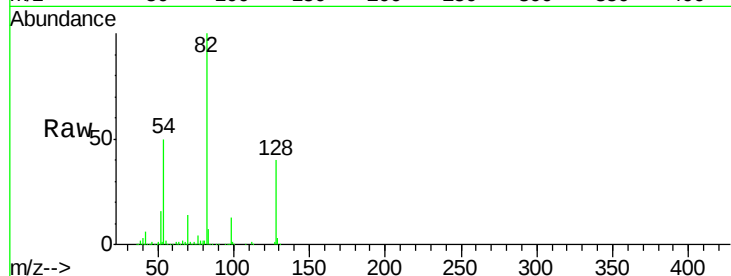




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.33 ng  
RT: 7.32 min Scan# 458  
Delta R.T. 0.05 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

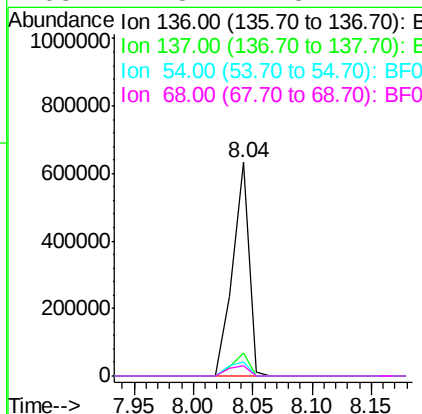
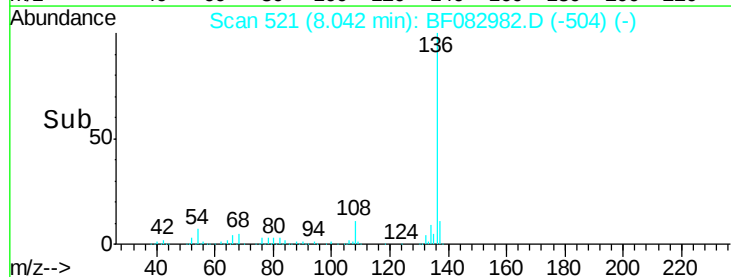
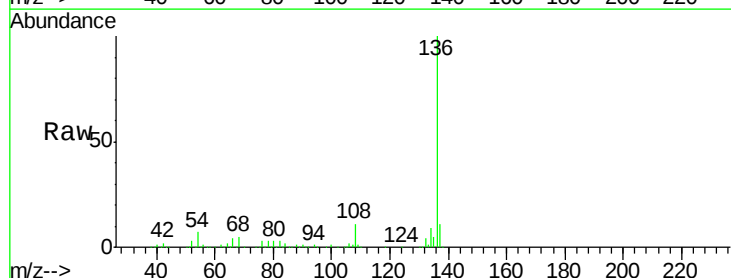
Instrument :  
BNA\_F  
ClientSampleId :

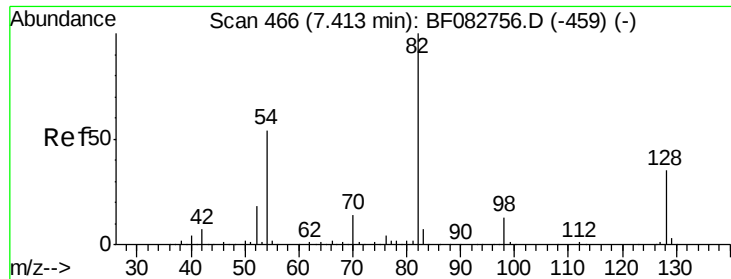
Tot Ion: 70 Resp: 170638  
Ion Ratio Lower Upper  
70 100  
42 45.4 57.7 86.5#  
101 0.0 7.0 10.6#  
130 2.3 11.8 17.6#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 521  
Delta R.T. -0.10 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

Tgt Ion:136 Resp: 607055  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.1 13.7  
54 6.6 9.1 13.7#  
68 4.8 4.8 7.2

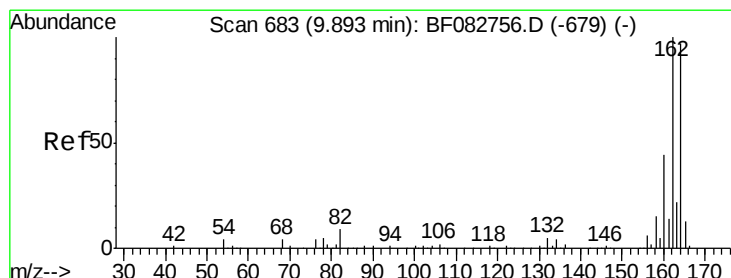
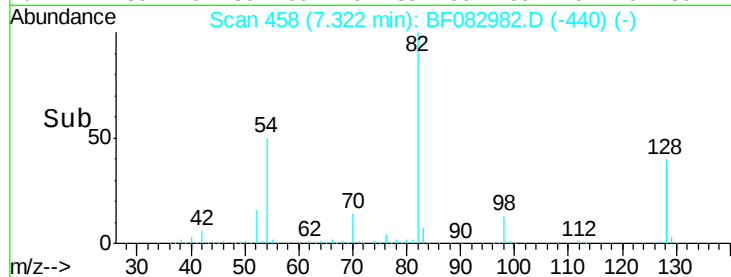
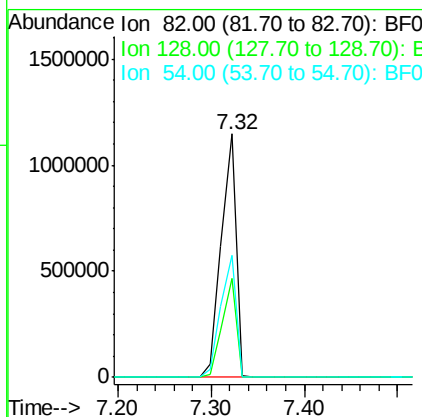
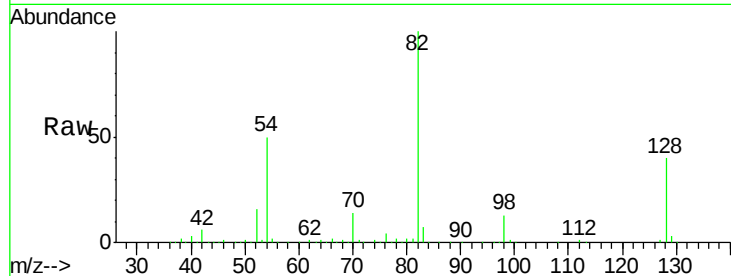




#23  
 Nitrobenzene-d5  
 Concen: 90.37 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.09 min  
 Lab File: BF082982.D  
 Acq: 17 Nov 2015 23:01

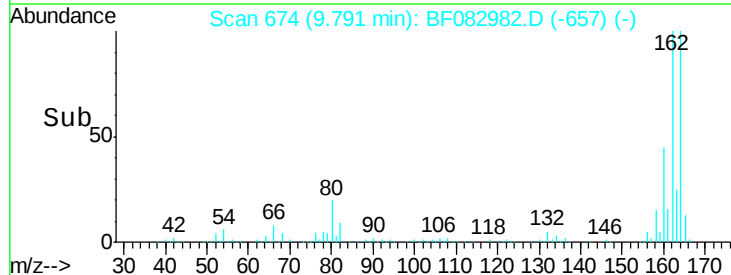
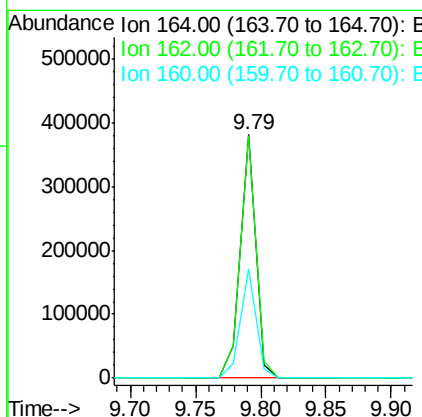
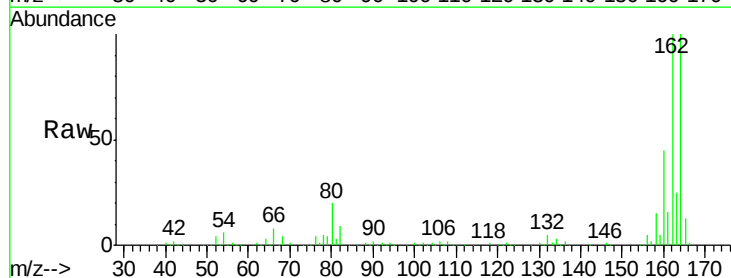
Instrument :  
 BNA\_F  
 ClientSampleId :

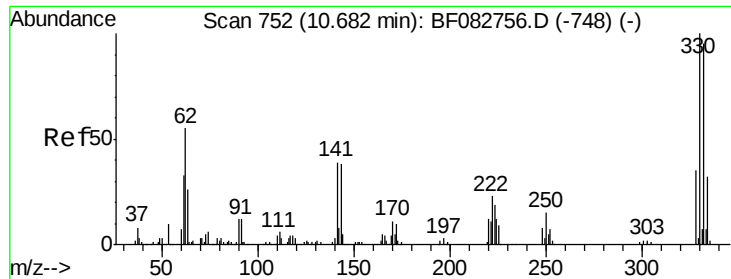
Tot Ion: 82 Resp: 1260788  
 Ion Ratio Lower Upper  
 82 100  
 128 40.5 26.8 40.2#  
 54 50.0 45.7 68.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.10 min  
 Lab File: BF082982.D  
 Acq: 17 Nov 2015 23:01

Tgt Ion:164 Resp: 311250  
 Ion Ratio Lower Upper  
 164 100  
 162 99.6 84.9 127.3  
 160 44.8 37.5 56.3

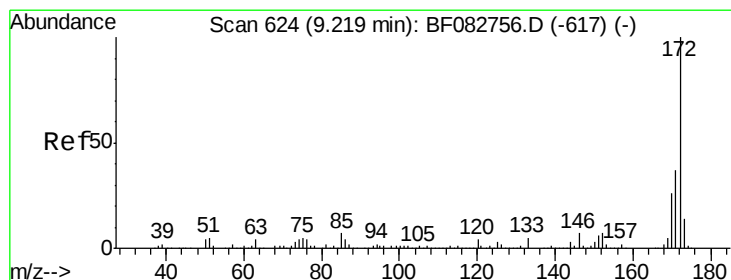
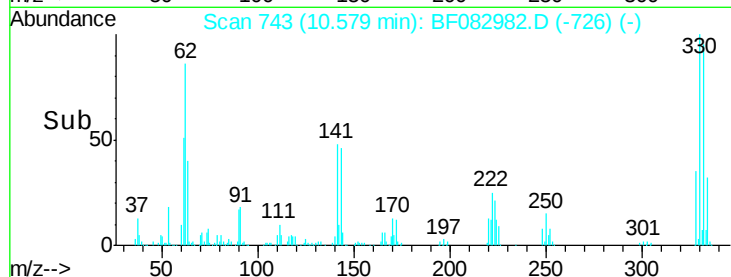
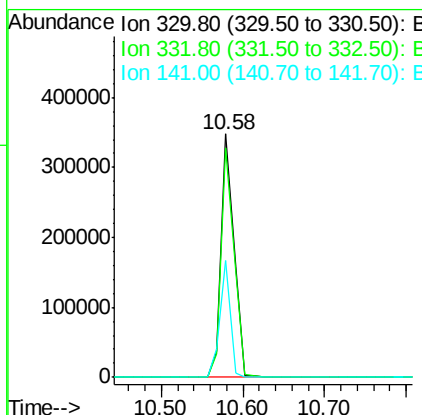
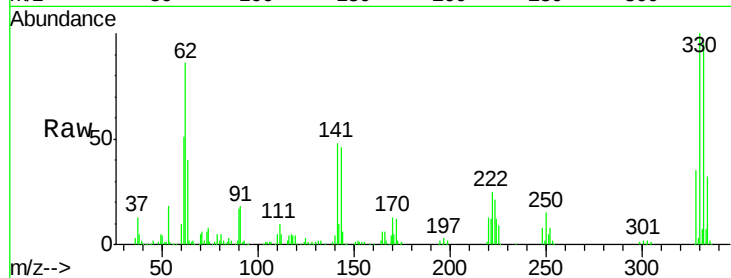




#41  
 2,4,6-Tribromophenol  
 Concen: 106.14 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.10 min  
 Lab File: BF082982.D  
 Acq: 17 Nov 2015 23:01

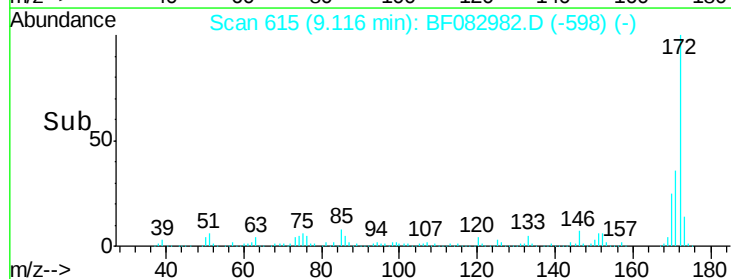
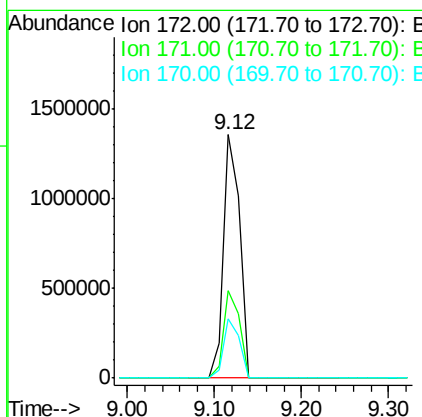
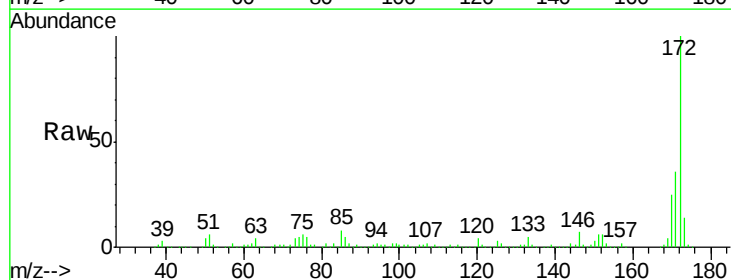
Instrument :  
 BNA\_F  
 ClientSampleId :

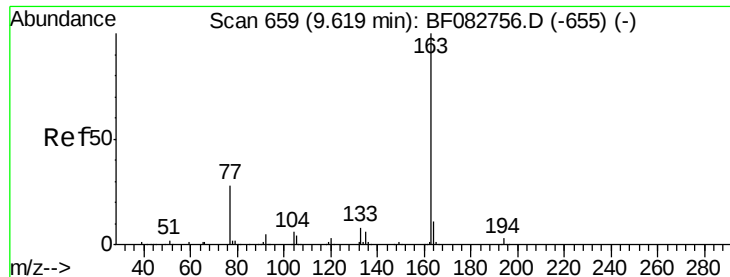
Tot Ion:330 Resp: 378797  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 76.6 114.8  
 141 39.5 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 81.39 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.10 min  
 Lab File: BF082982.D  
 Acq: 17 Nov 2015 23:01

Tgt Ion:172 Resp: 1767609  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 30.8 46.2  
 170 24.6 21.2 31.8

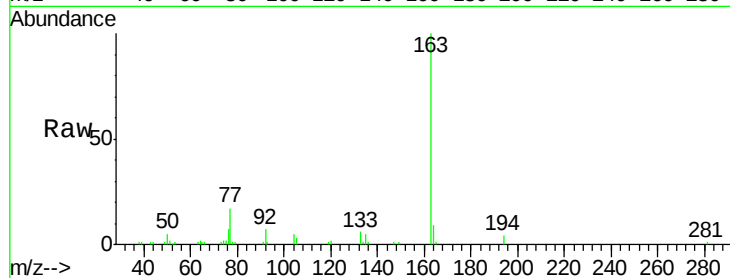




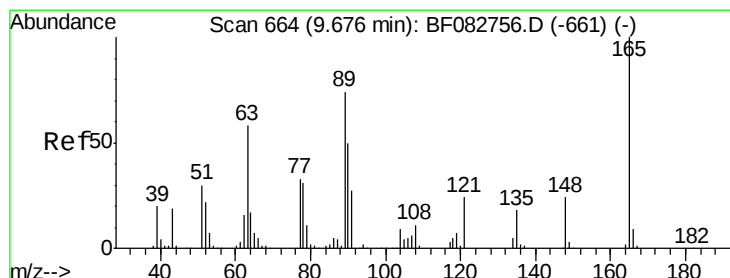
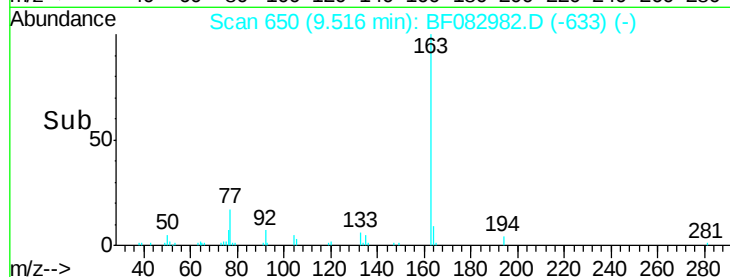
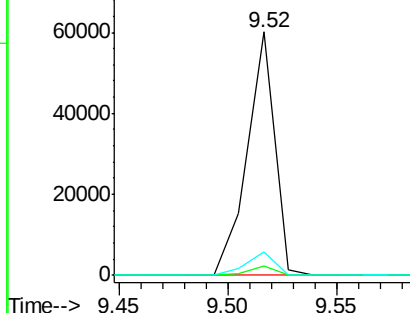
#49  
Dimethylphthalate  
Concen: 2.06 ng  
RT: 9.52 min Scan# 650  
Delta R.T. -0.10 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 52480  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.6 4.0  
164 9.4 8.7 13.1

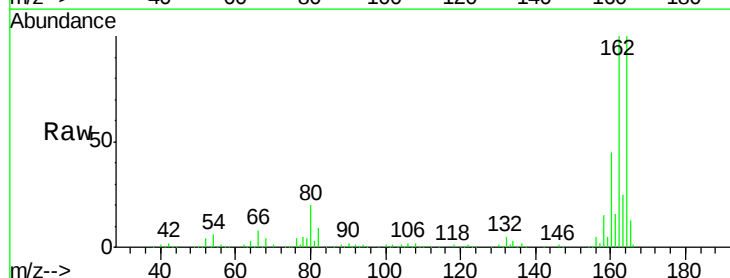


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

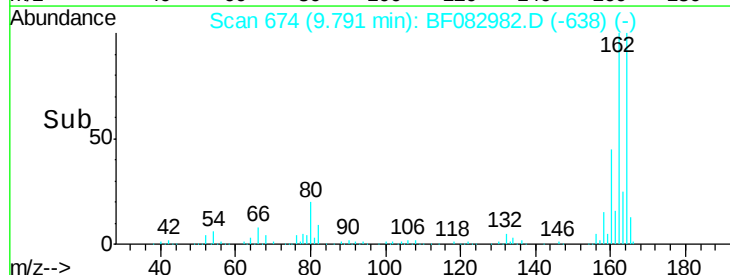
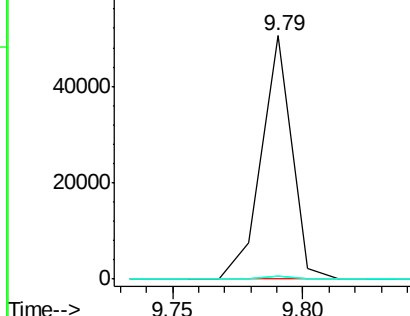


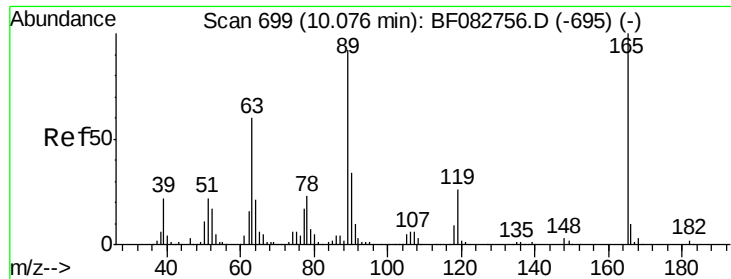
#50  
2,6-Dinitrotoluene  
Concen: 7.61 ng  
RT: 9.79 min Scan# 674  
Delta R.T. 0.11 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

Tgt Ion:165 Resp: 41400  
Ion Ratio Lower Upper  
165 100  
63 1.1 55.5 83.3#  
89 1.0 55.0 82.6#



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

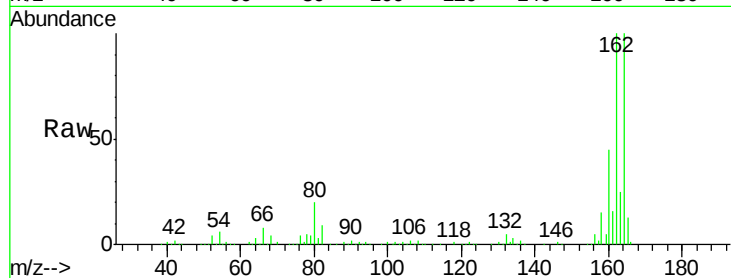




#56  
2,4-Dinitrotoluene  
Concen: 5.61 ng  
RT: 9.79 min Scan# 674  
Delta R.T. -0.29 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 1.1   | 43.4  | 65.0#  |
| 89      | 1.0   | 70.6  | 106.0# |
| 182     | 0.0   | 1.5   | 2.3#   |

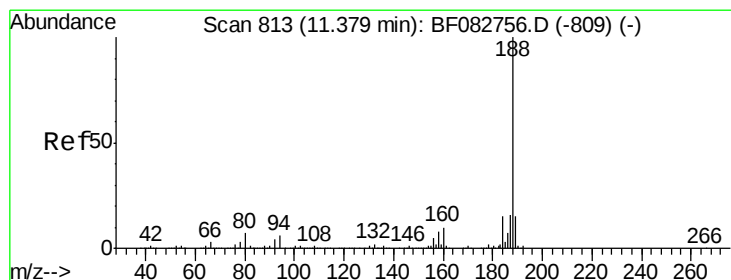
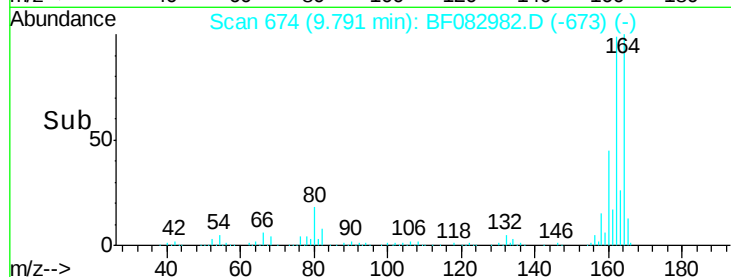
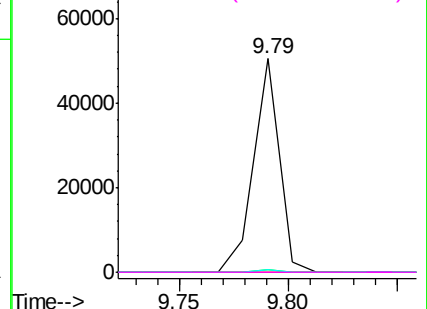


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

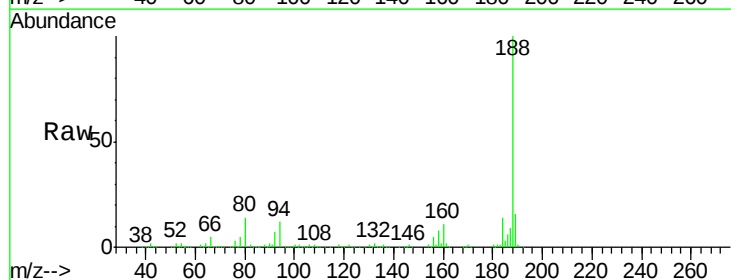
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 803  
Delta R.T. -0.11 min  
Lab File: BF082982.D  
Acq: 17 Nov 2015 23:01

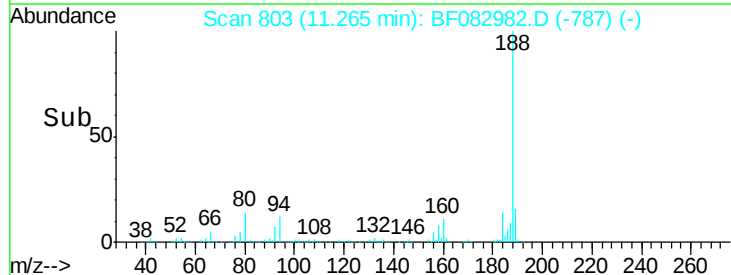
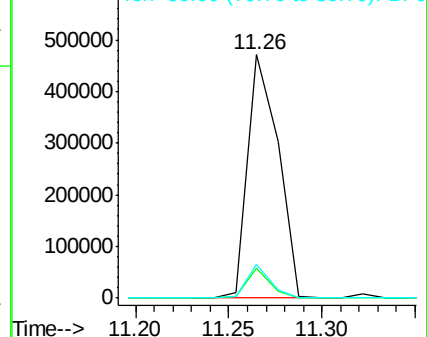
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.4  | 6.1   | 9.1#  |
| 80      | 13.9  | 7.0   | 10.6# |

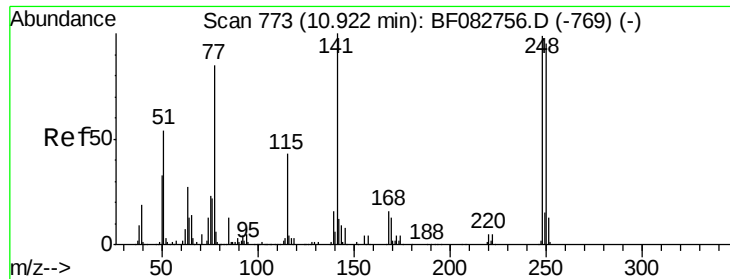


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.97 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.34 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

Instrument :

BNA\_F

ClientSampled :

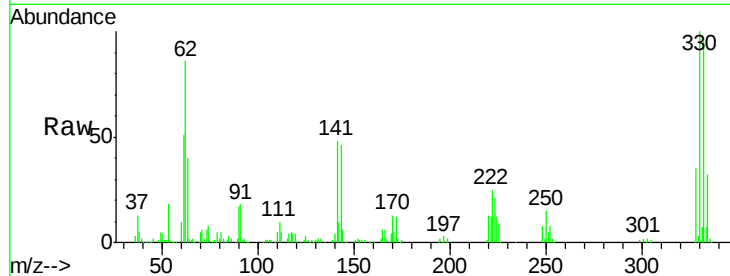
Tot Ion:248 Resp: 25944

Ion Ratio Lower Upper

248 100

250 184.4 79.4 119.2#

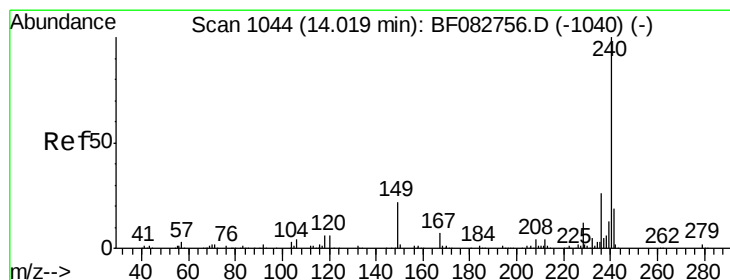
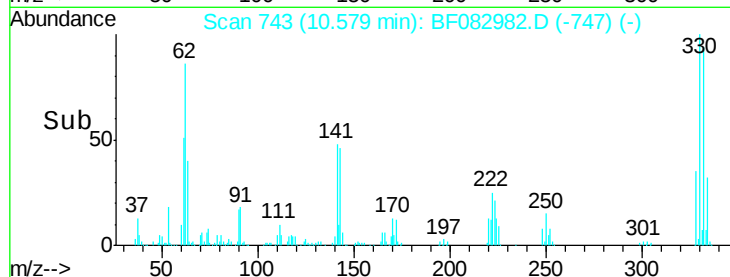
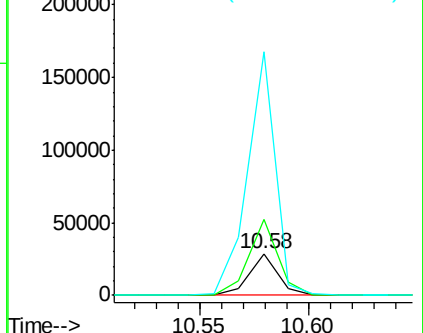
141 588.3 36.3 54.5#



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: 13.91 min Scan# 1034

Delta R.T. -0.11 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

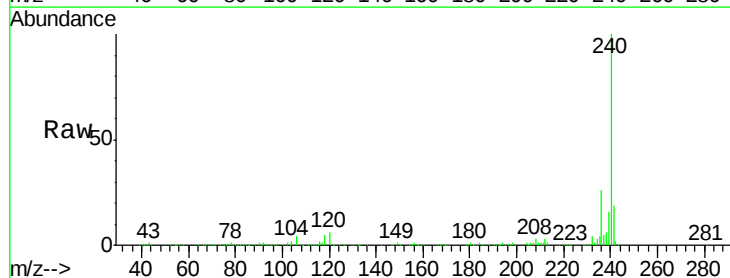
Tgt Ion:240 Resp: 474249

Ion Ratio Lower Upper

240 100

120 5.6 10.9 16.3#

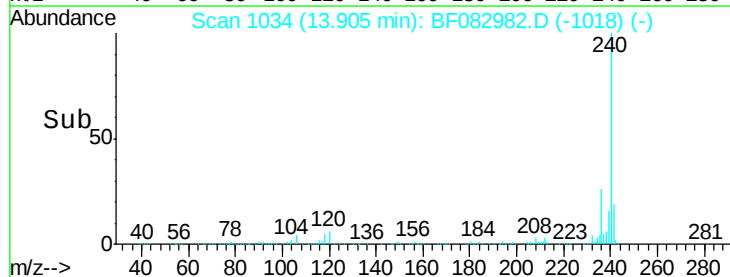
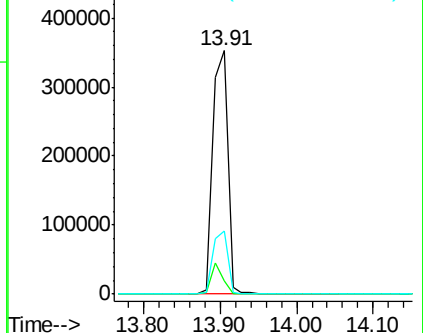
236 25.7 21.6 32.4

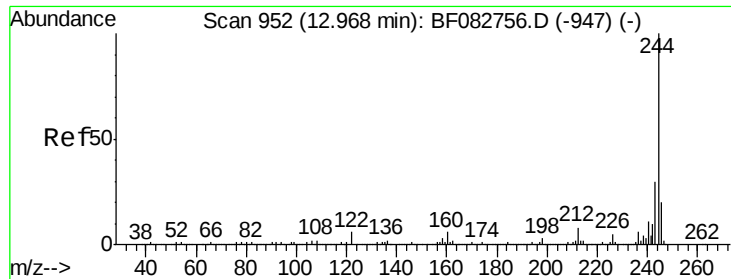


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.33 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.10 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

Instrument :

BNA\_F

ClientSampled :

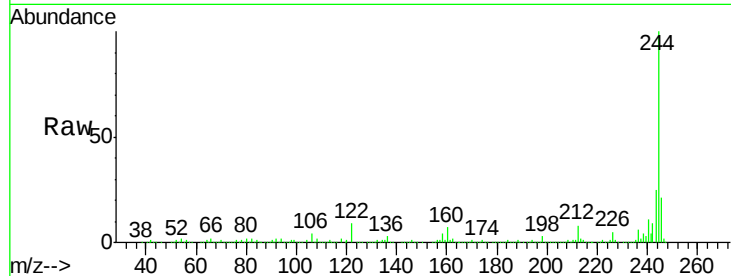
Tot Ion:244 Resp: 1906229

Ion Ratio Lower Upper

244 100

212 8.0 7.6 11.4

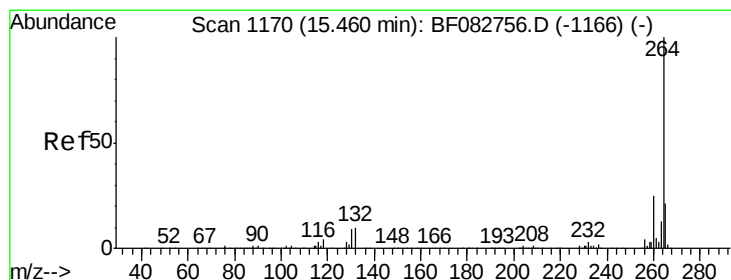
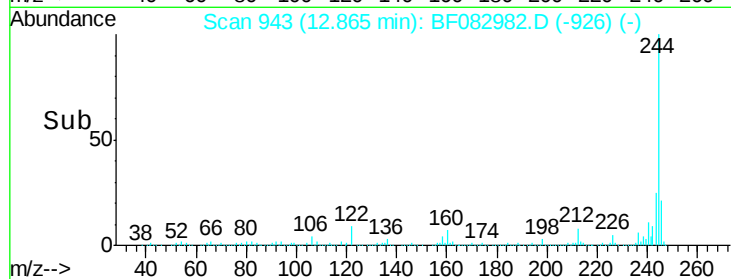
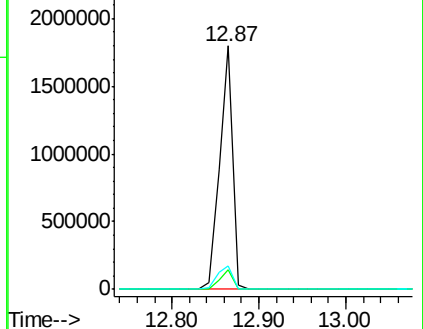
122 9.5 11.3 16.9#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.16 min

Lab File: BF082982.D

Acq: 17 Nov 2015 23:01

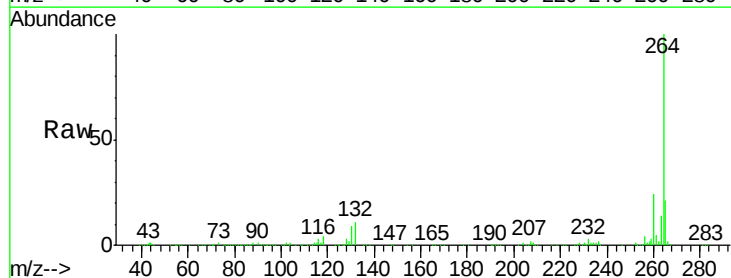
Tgt Ion:264 Resp: 343622

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 21.2 17.4 26.0



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

