

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\  
 Data File : BF082183.D  
 Acq On : 10 Oct 2015 18:39  
 Operator : UM/IZ  
 Sample : G3979-09  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 12 02:08:00 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 01:46:21 2015  
 Response via : Initial Calibration

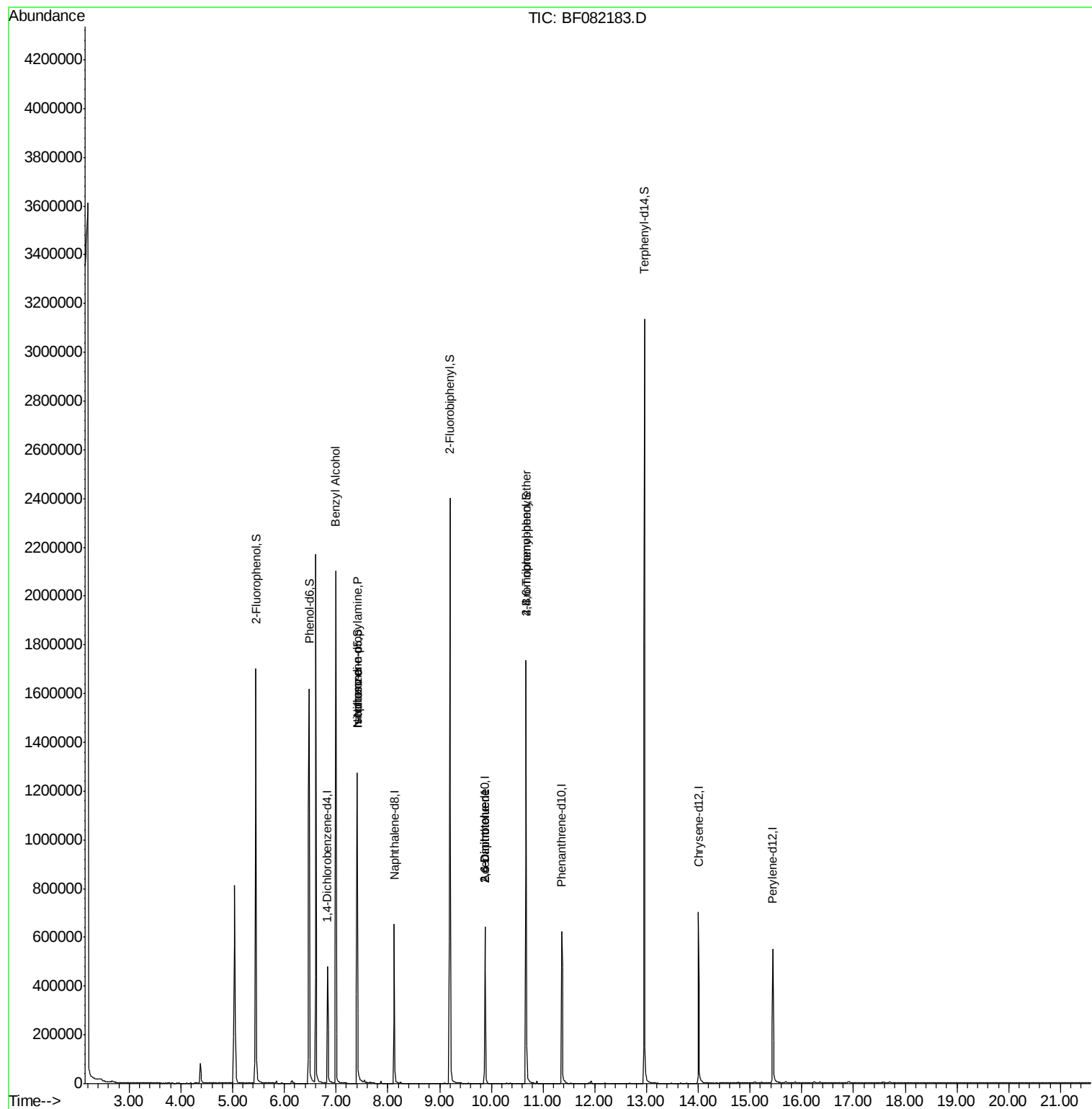
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 93102    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 365828   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.87  | 164  | 181329   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.36 | 188  | 362450   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 348639   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.44 | 264  | 286528   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 644235   | 139.65 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.48  | 99   | 792904   | 132.08 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 515713   | 94.67  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 263911   | 155.19 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 1055933  | 96.57  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.96 | 244  | 1273893  | 96.83  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.99  | 79   | 9059     | 2.19   | ng    | # 48     |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 66694    | 15.82  | ng    | # 80     |
| 25) Isophorone                 | 7.41  | 82   | 410209   | 37.31  | ng    | # 66     |
| 50) 2,6-Dinitrotoluene         | 9.87  | 165  | 23082    | 8.57   | ng    | # 32     |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 23083    | 6.85   | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 18052    | 4.98   | ng    | # 1      |

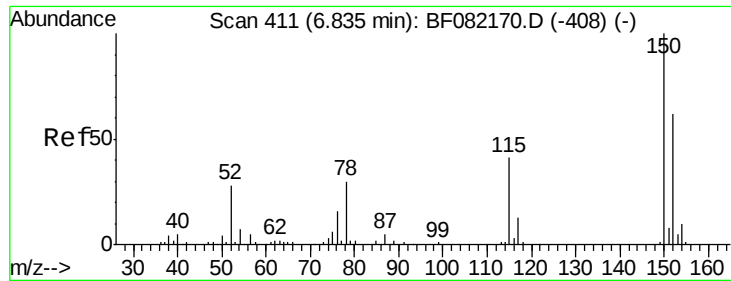
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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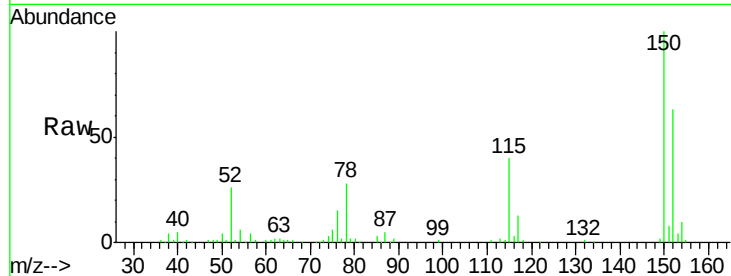


#1

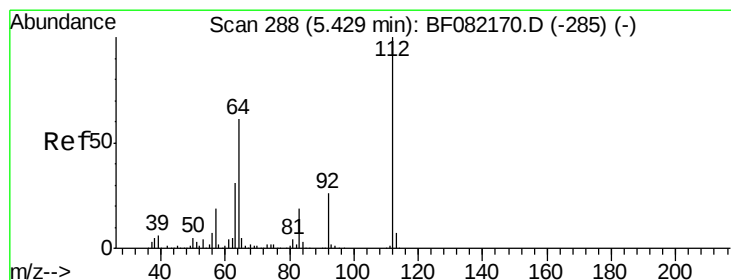
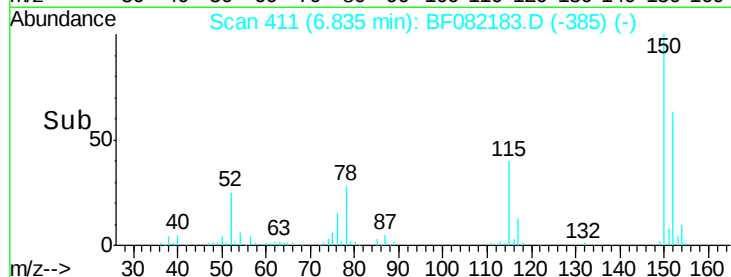
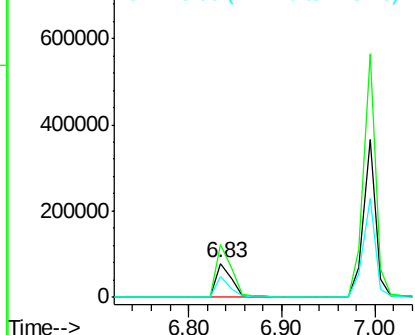
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.83 min Scan# 411  
Delta R.T. -0.00 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 93102  
Ion Ratio Lower Upper  
152 100  
150 157.7 129.0 193.4  
115 62.8 52.1 78.1



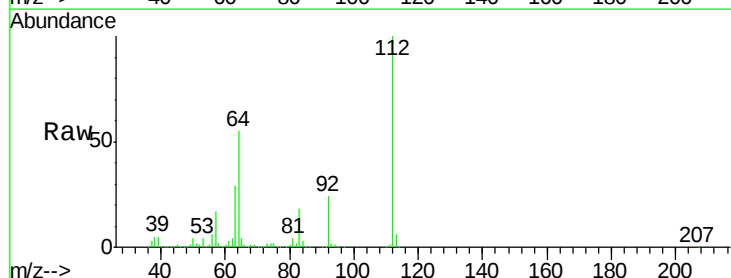
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



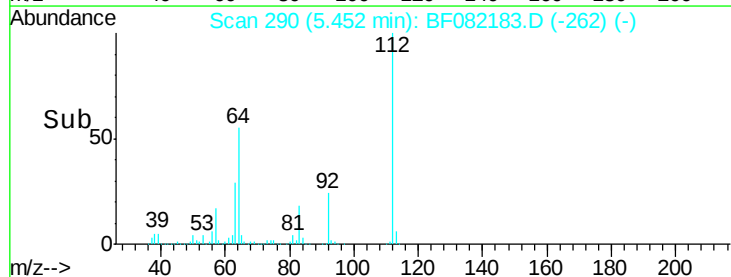
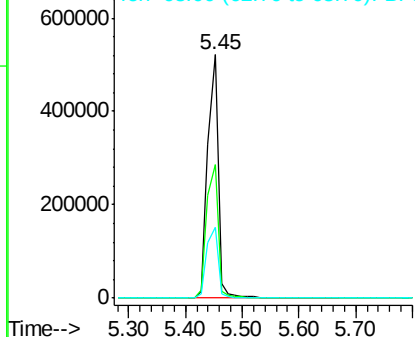
#5

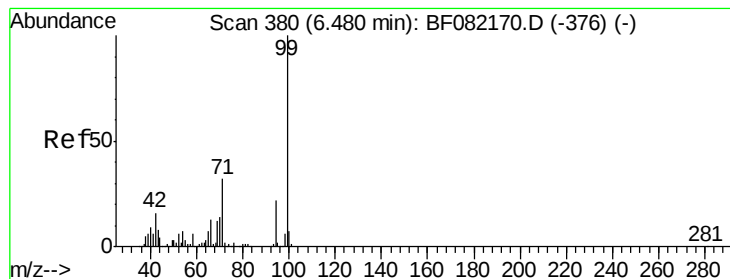
2-Fluorophenol  
Concen: 139.65 ng  
RT: 5.45 min Scan# 290  
Delta R.T. 0.02 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Tgt Ion:112 Resp: 644235  
Ion Ratio Lower Upper  
112 100  
64 54.8 48.6 73.0  
63 29.2 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: 132.08 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

Instrument :

BNA\_F

ClientSampleId :

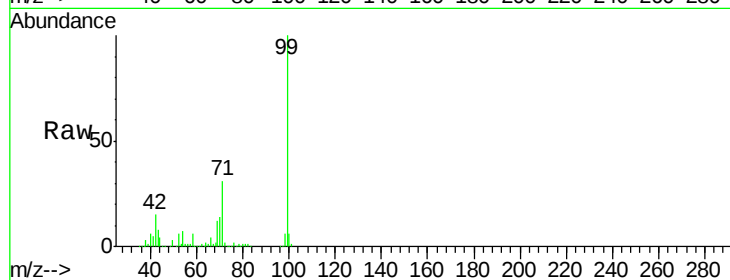
Tot Ion: 99 Resp: 792904

Ion Ratio Lower Upper

99 100

42 15.3 13.2 19.8

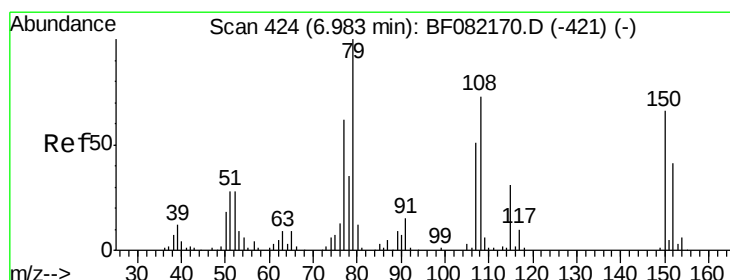
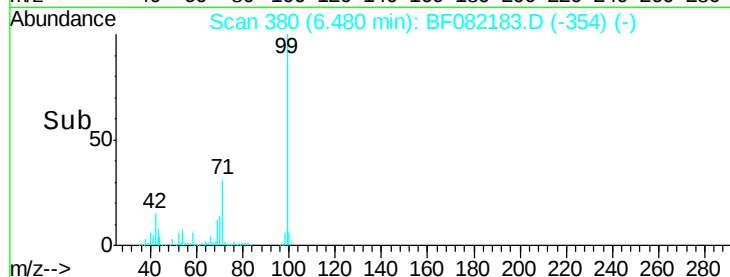
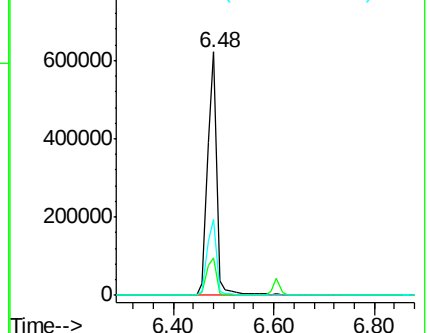
71 31.5 25.6 38.4



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



#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 6.99 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

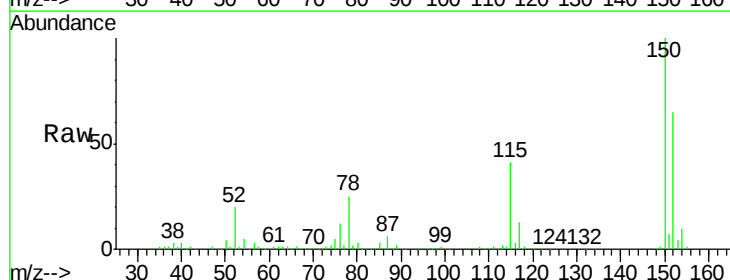
Tgt Ion: 79 Resp: 9059

Ion Ratio Lower Upper

79 100

108 32.4 58.4 87.6#

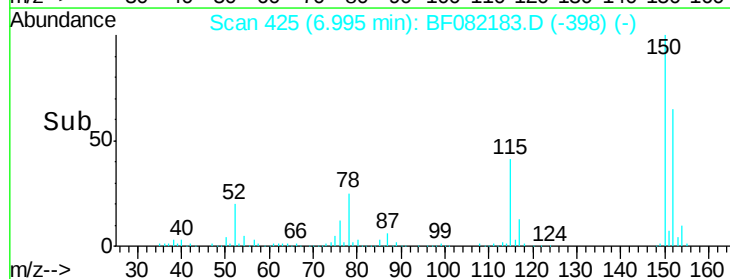
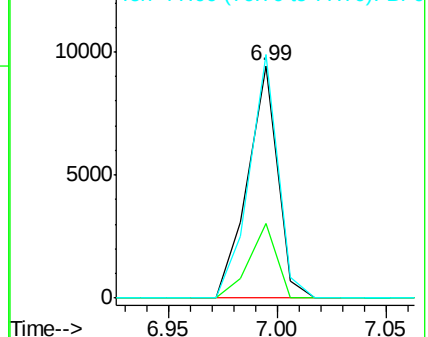
77 104.8 49.8 74.6#

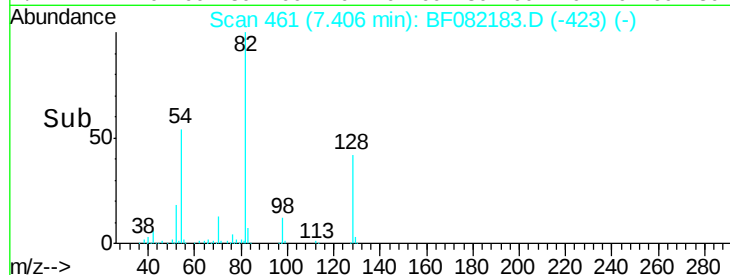
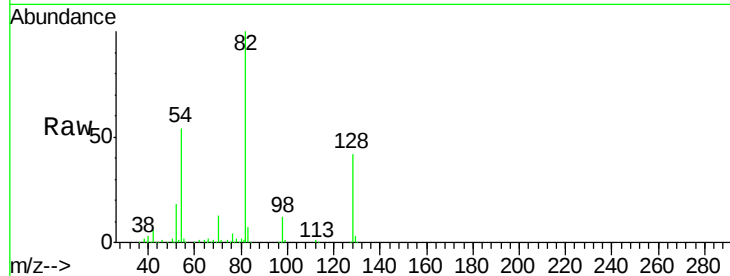


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

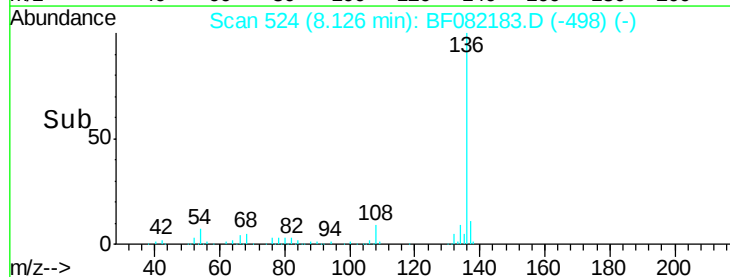
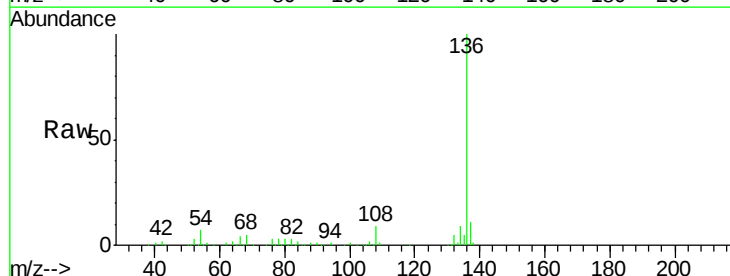
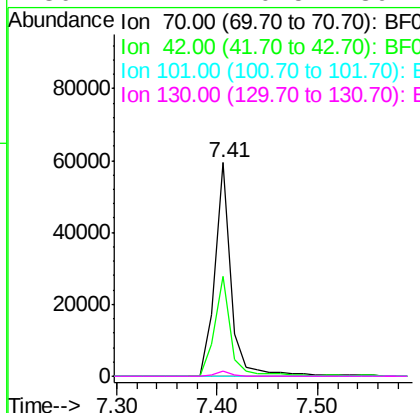




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.82 ng  
RT: 7.41 min Scan# 461  
Delta R.T. 0.14 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

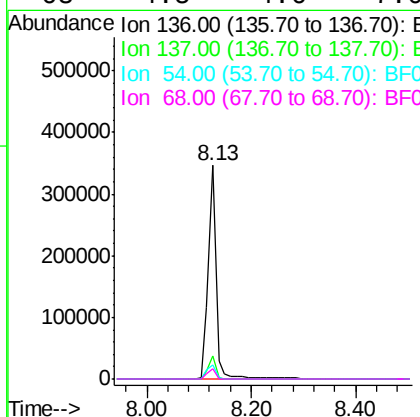
Instrument :  
BNA\_F  
ClientSampleId :

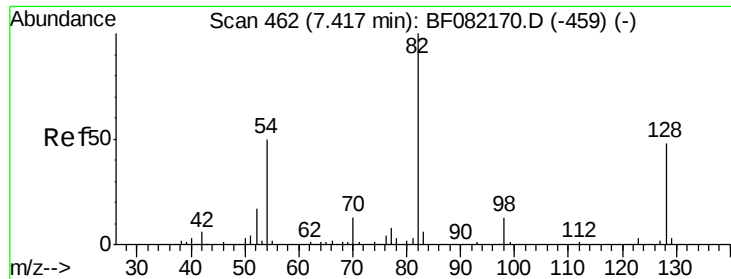
Tot Ion: 70 Resp: 66694  
Ion Ratio Lower Upper  
70 100  
42 46.8 39.8 59.8  
101 0.0 8.6 13.0#  
130 2.2 20.5 30.7#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 524  
Delta R.T. 0.00 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Tgt Ion: 136 Resp: 365828  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 6.7 7.5 11.3#  
68 4.5 4.6 7.0#

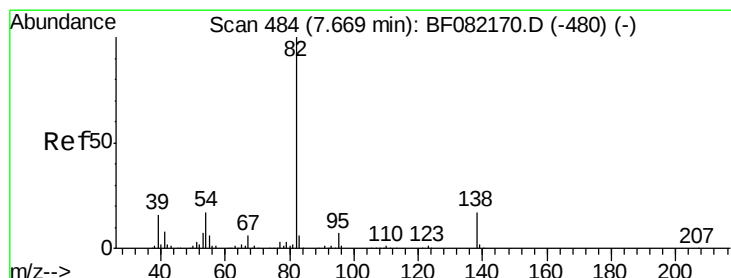
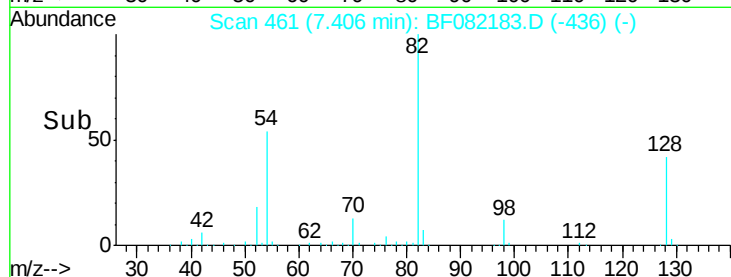
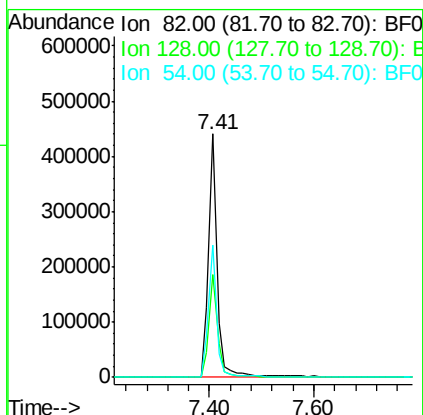
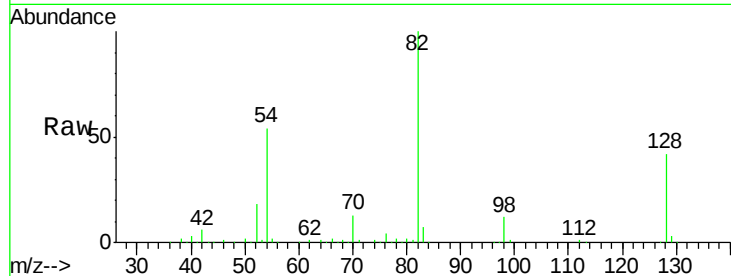




#23  
 Nitrobenzene-d5  
 Concen: 94.67 ng  
 RT: 7.41 min Scan# 461  
 Delta R.T. -0.01 min  
 Lab File: BF082183.D  
 Acq: 10 Oct 2015 18:39

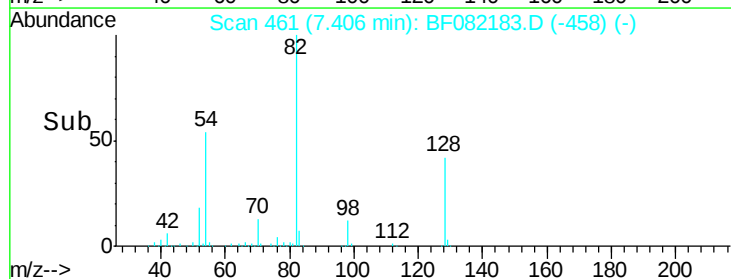
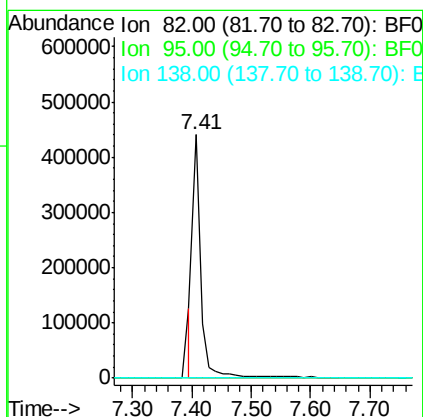
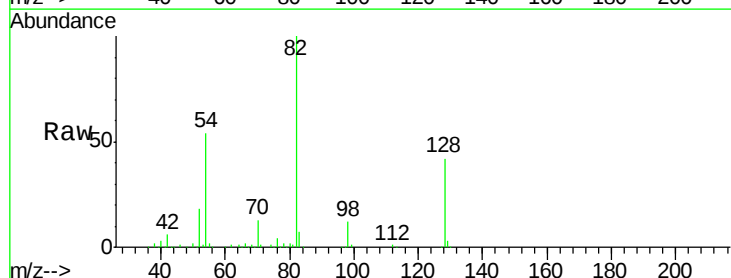
Instrument :  
 BNA\_F  
 ClientSampled :

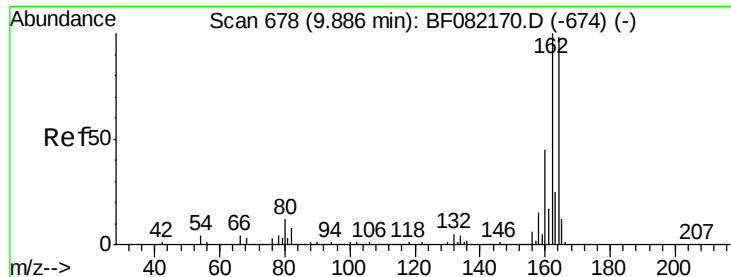
Tot Ion: 82 Resp: 515713  
 Ion Ratio Lower Upper  
 82 100  
 128 42.1 38.7 58.1  
 54 54.4 40.1 60.1



#25  
 Isophorone  
 Concen: 37.31 ng  
 RT: 7.41 min Scan# 461  
 Delta R.T. -0.26 min  
 Lab File: BF082183.D  
 Acq: 10 Oct 2015 18:39

Tgt Ion: 82 Resp: 410209  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

Instrument :

BNA\_F

ClientSampleId :

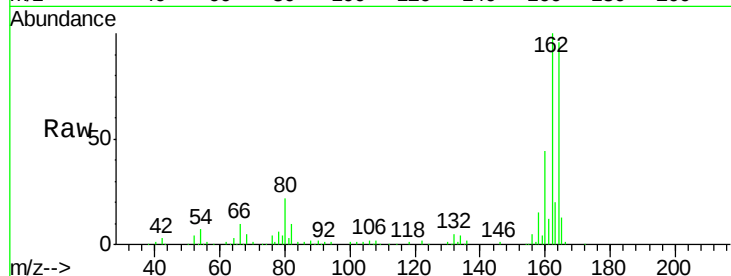
Tot Ion:164 Resp: 181329

Ion Ratio Lower Upper

164 100

162 103.7 81.6 122.4

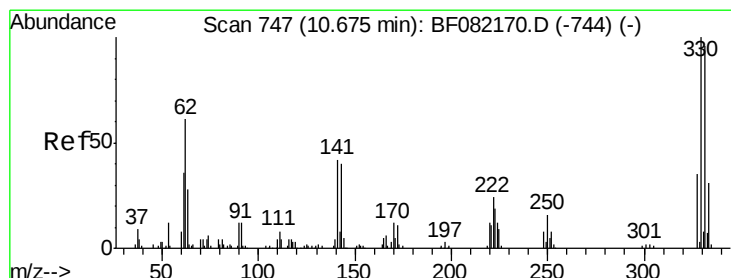
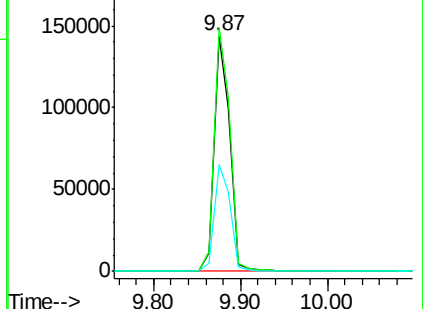
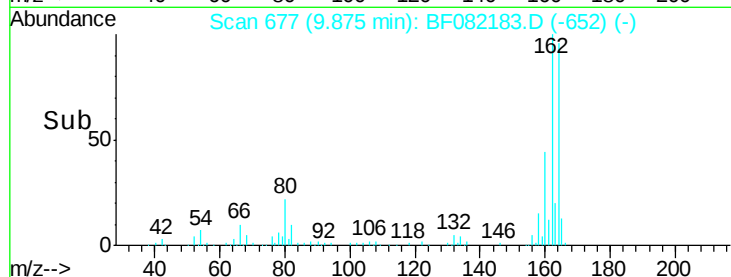
160 45.2 36.4 54.6



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: 155.19 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

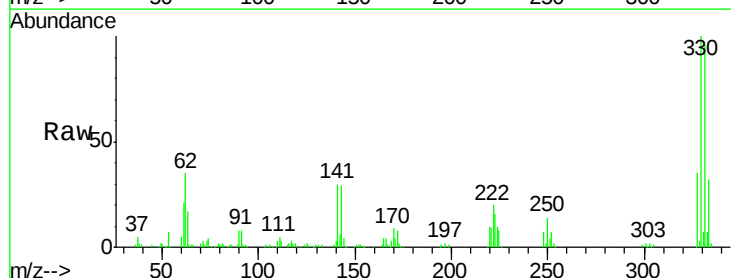
Tgt Ion:330 Resp: 263911

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

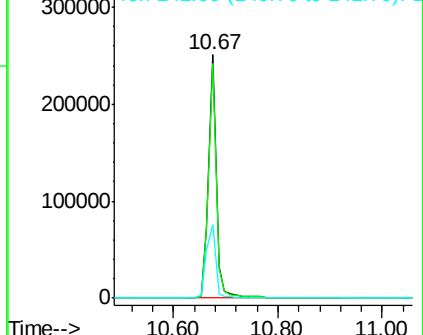
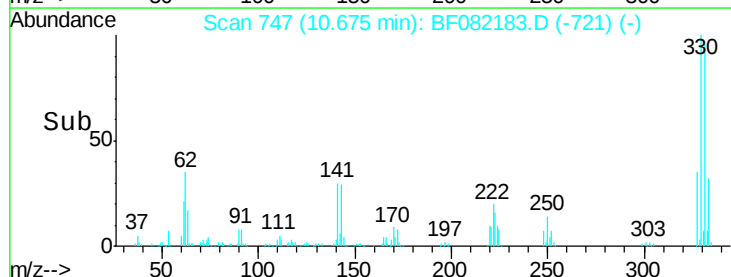
141 36.4 29.8 44.8



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

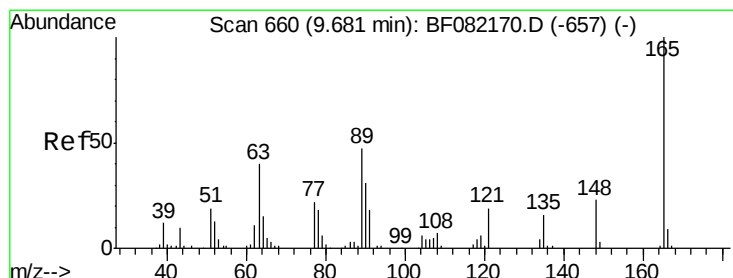
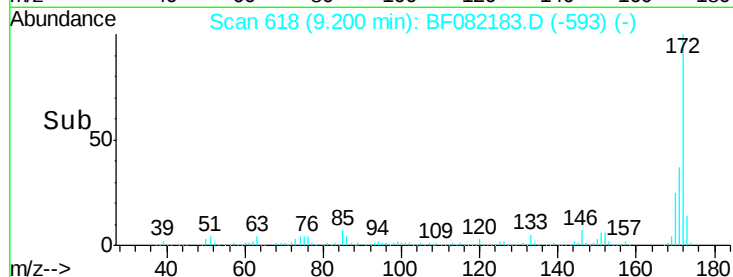
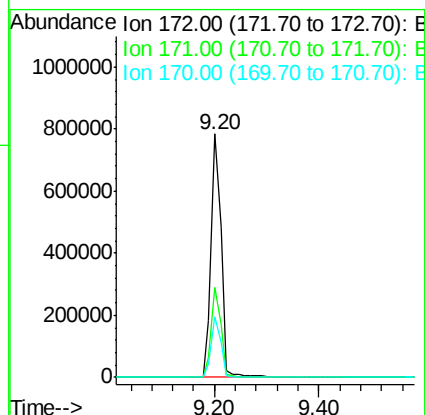
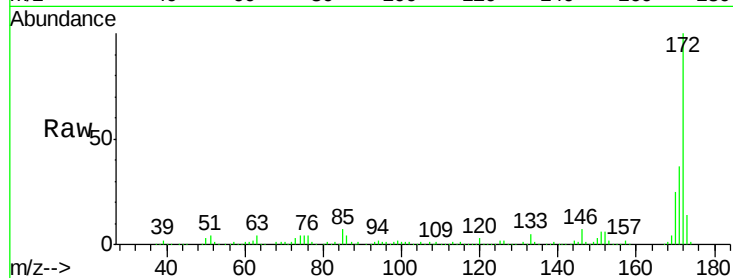




#44  
 2-Fluorobiphenyl  
 Concen: 96.57 ng  
 RT: 9.20 min Scan# 618  
 Delta R.T. -0.01 min  
 Lab File: BF082183.D  
 Acq: 10 Oct 2015 18:39

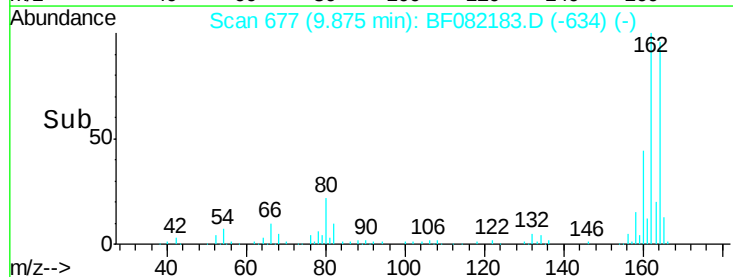
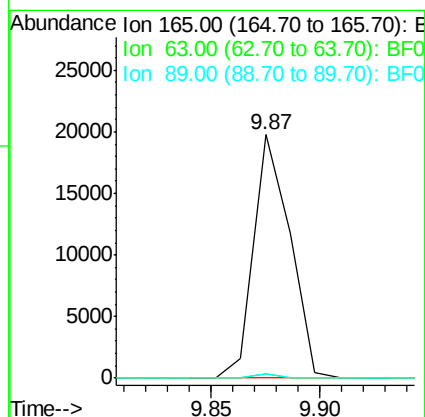
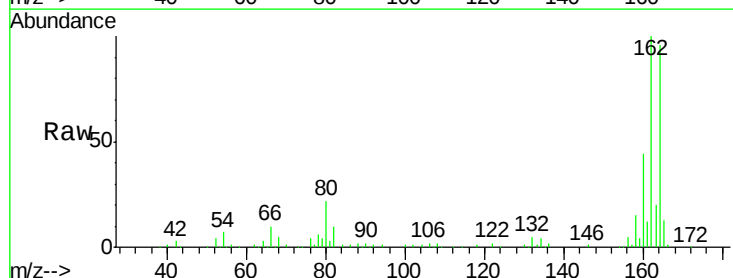
Instrument :  
 BNA\_F  
 ClientSampled :

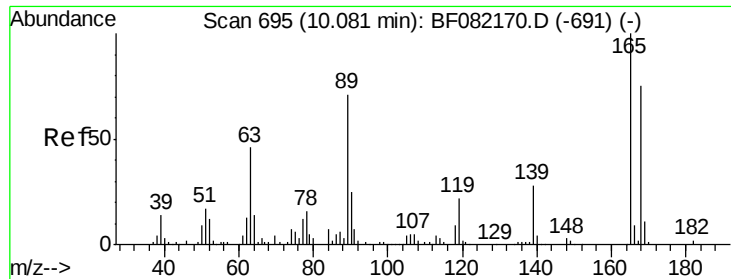
Tot Ion:172 Resp: 1055933  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 28.6 42.8  
 170 25.0 19.7 29.5



#50  
 2,6-Dinitrotoluene  
 Concen: 8.57 ng  
 RT: 9.87 min Scan# 677  
 Delta R.T. 0.19 min  
 Lab File: BF082183.D  
 Acq: 10 Oct 2015 18:39

Tgt Ion:165 Resp: 23082  
 Ion Ratio Lower Upper  
 165 100  
 63 1.5 36.7 55.1#  
 89 1.8 37.8 56.6#

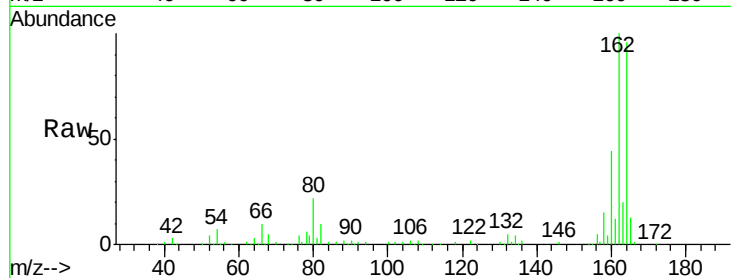




#56  
2,4-Dinitrotoluene  
Concen: 6.85 ng  
RT: 9.87 min Scan# 677  
Delta R.T. -0.21 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 38.6  | 58.0# |
| 89      | 1.8   | 57.0  | 85.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

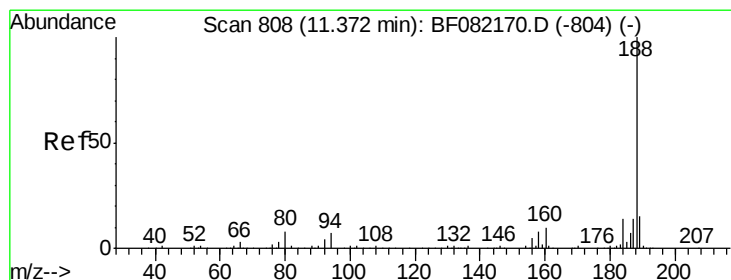
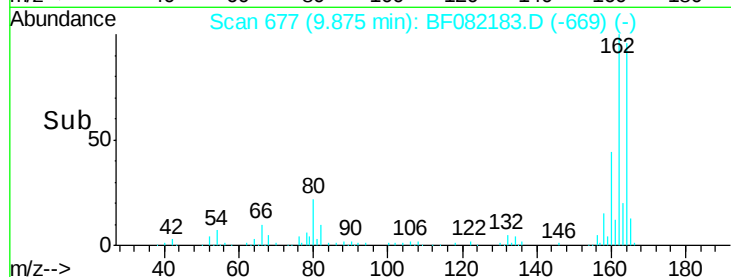
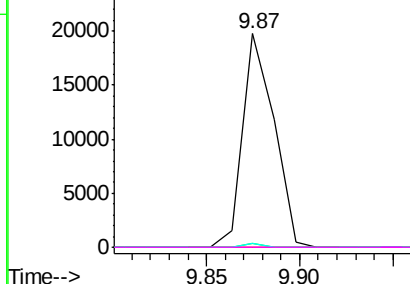


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

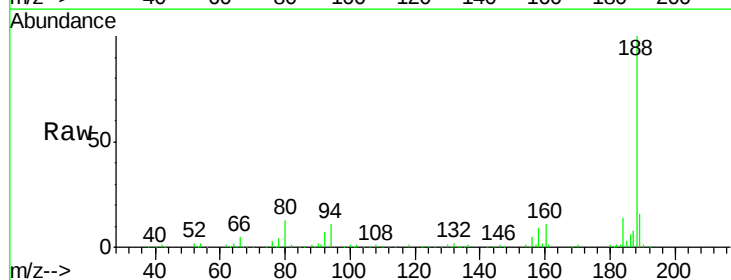
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.36 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

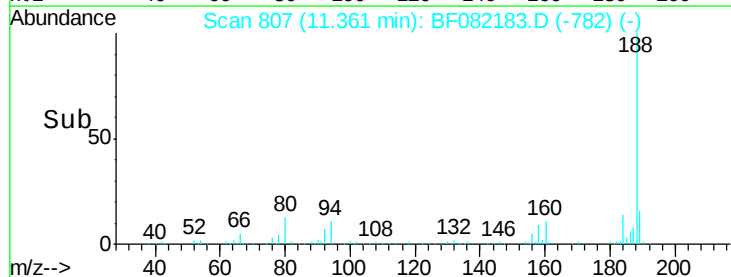
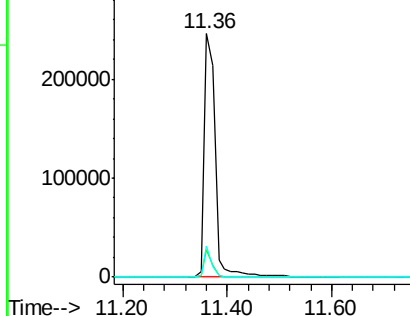
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.4  | 5.8   | 8.6#  |
| 80      | 12.7  | 6.4   | 9.6#  |

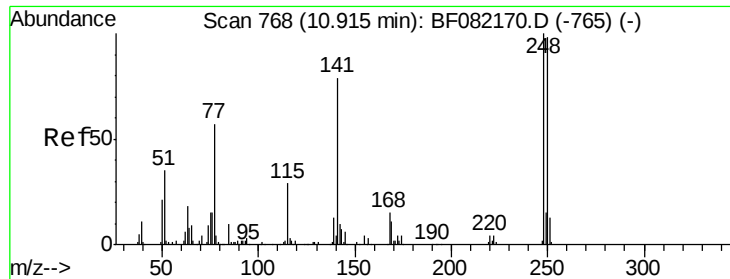


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

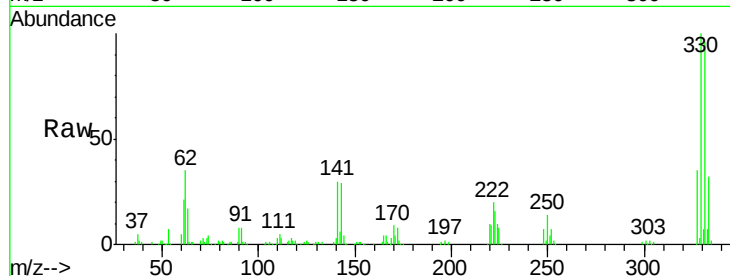




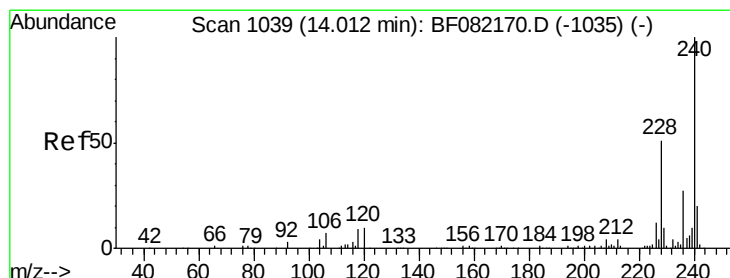
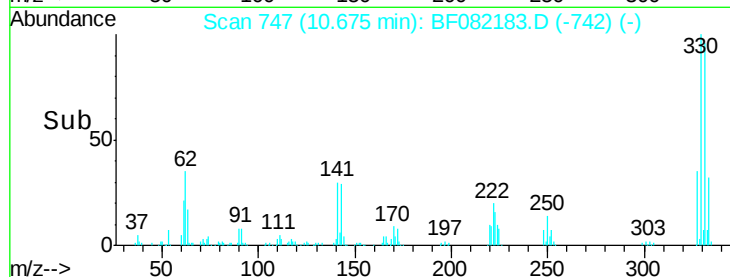
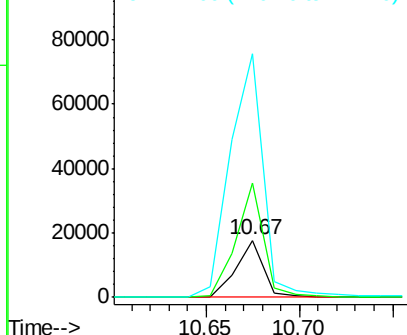
#66  
4-Bromophenyl-phenylether  
Concen: 4.98 ng  
RT: 10.67 min Scan# 747  
Delta R.T. -0.24 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 18052  
Ion Ratio Lower Upper  
248 100  
250 199.5 78.6 117.8#  
141 425.4 63.3 94.9#

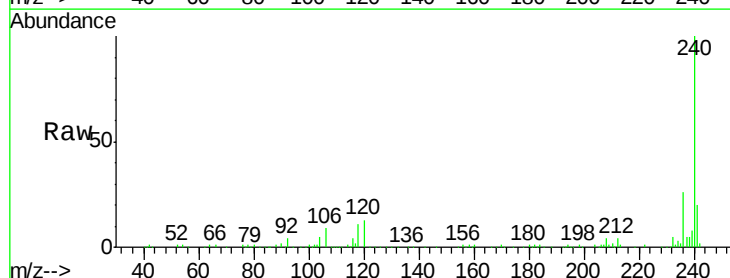


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

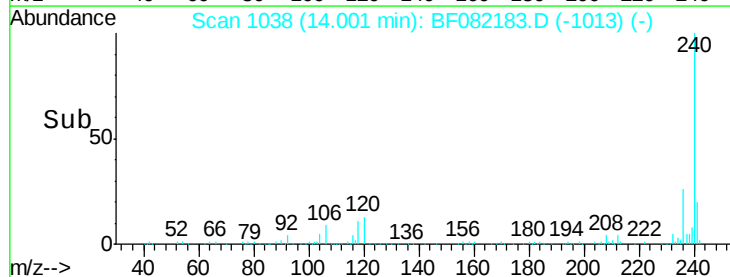
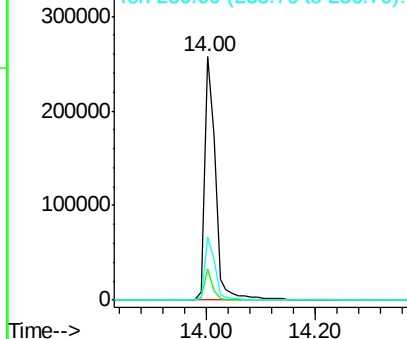


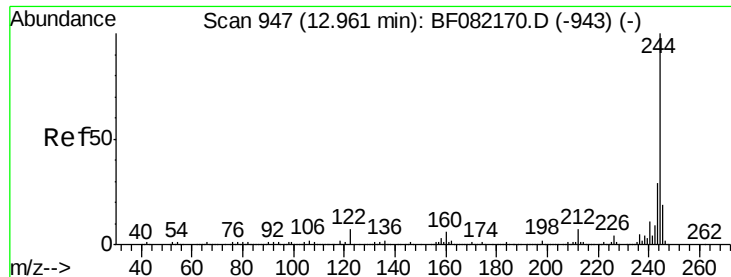
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF082183.D  
Acq: 10 Oct 2015 18:39

Tgt Ion:240 Resp: 348639  
Ion Ratio Lower Upper  
240 100  
120 13.1 8.1 12.1#  
236 25.7 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: 96.83 ng

RT: 12.96 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

Instrument :

BNA\_F

ClientSampled :

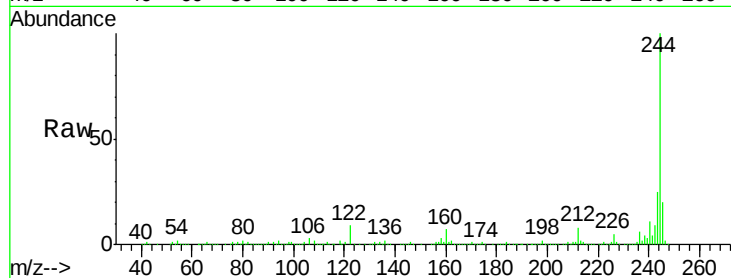
Tot Ion:244 Resp: 1273893

Ion Ratio Lower Upper

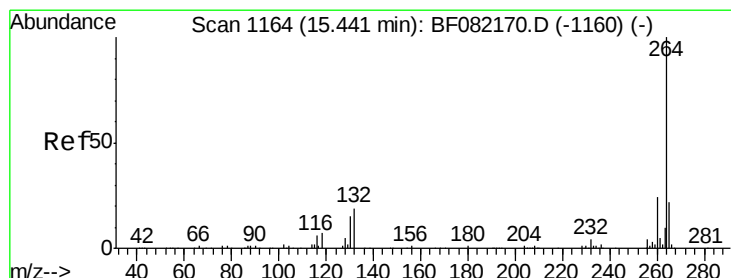
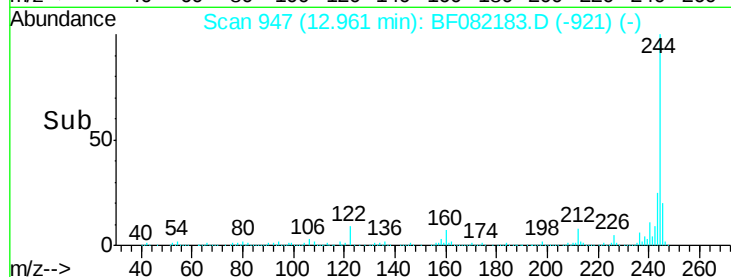
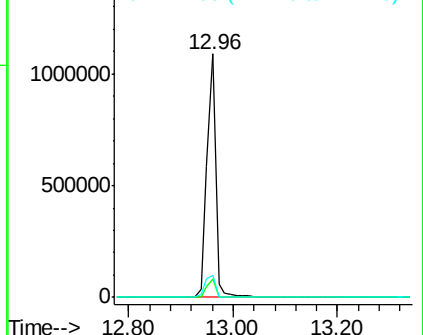
244 100

212 7.6 5.8 8.6

122 8.9 5.9 8.9#



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: 15.44 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF082183.D

Acq: 10 Oct 2015 18:39

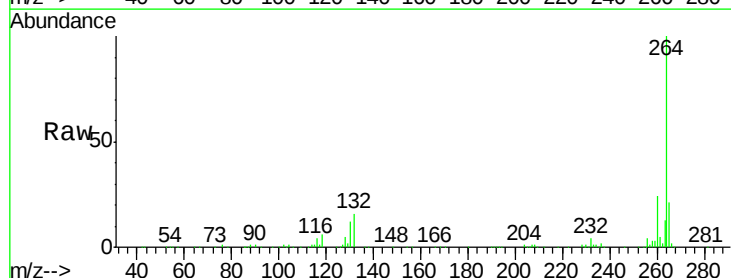
Tgt Ion:264 Resp: 286528

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 21.2 17.3 25.9



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

