

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070715\  
 Data File : BF080377.D  
 Acq On : 7 Jul 2015 18:00  
 Operator : TP/UM  
 Sample : G2776-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Quant Time: Jul 08 01:39:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF070615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 07 03:05:40 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.23  | 152  | 35354    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.52  | 136  | 134707   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.29 | 164  | 70316    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.79 | 188  | 129843   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.77 | 240  | 149209   | 20.00 | ng    | 0.03     |
| 86) Perylene-d12          | 16.64 | 264  | 145421   | 20.00 | ng    | 0.08     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.84  | 112  | 231903   | 120.13 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 292127   | 114.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.78  | 82   | 168039   | 72.76  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 11.08 | 330  | 72470    | 98.50  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.60  | 172  | 373586   | 71.70  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.49 | 244  | 438331   | 68.52  | ng    | 0.02     |

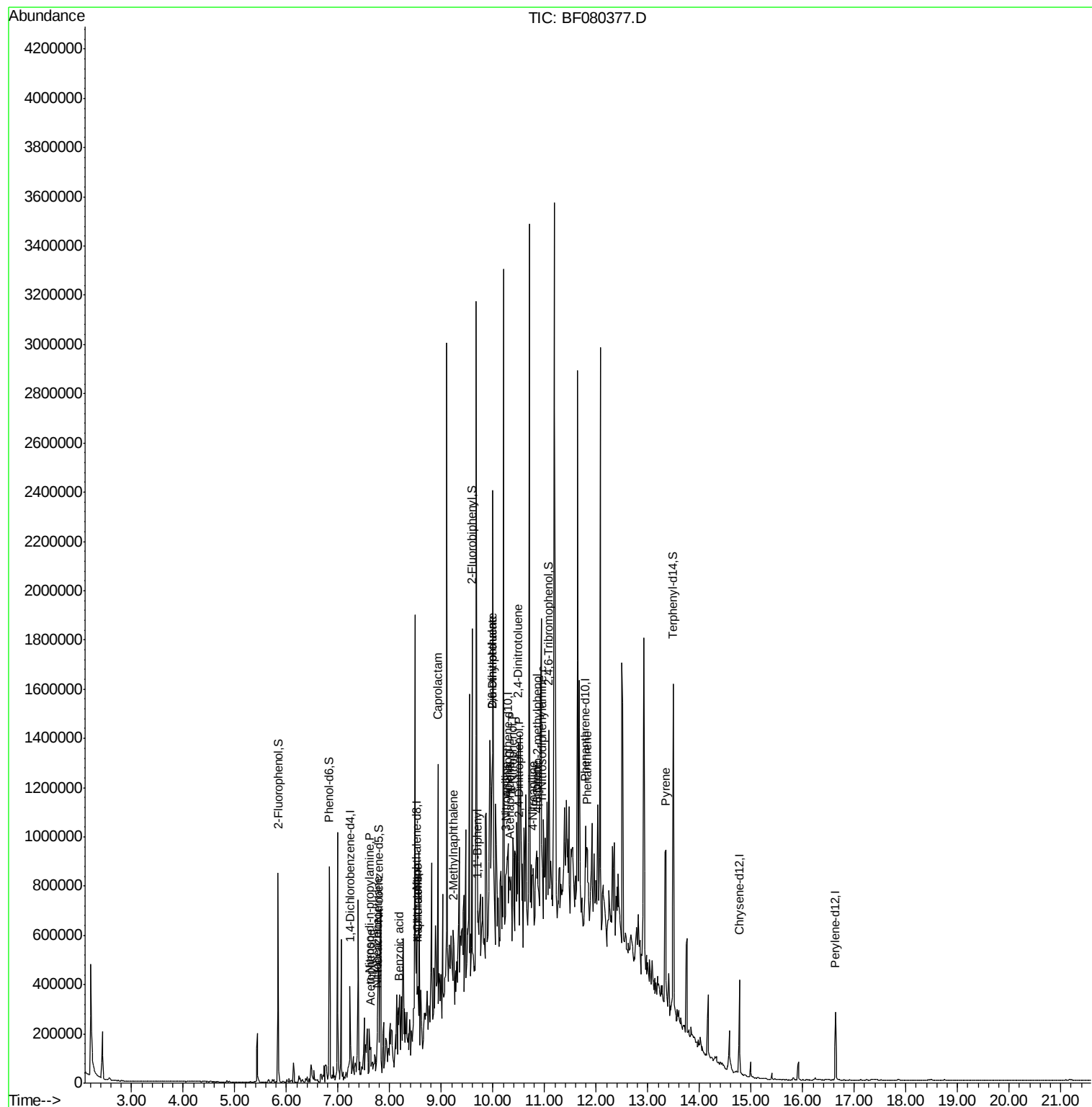
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 18) Hexachloroethane           | 7.77  | 117  | 8733     | 10.59 | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.61  | 70   | 4009     | 2.41  | ng    | # 50   |
| 22) Acetophenone               | 7.62  | 105  | 22888    | 7.36  | ng    | # 58   |
| 24) Nitrobenzene               | 7.76  | 77   | 5196     | 2.24  | ng    | # 48   |
| 31) Naphthalene                | 8.54  | 128  | 40570    | 5.87  | ng    | # 84   |
| 32) Benzoic acid               | 8.18  | 122  | 2919     | 8.44  | ng    | # 62   |
| 33) 4-Chloroaniline            | 8.54  | 127  | 5559     | 2.02  | ng    | # 24   |
| 35) Caprolactam                | 8.93  | 113  | 20077    | 37.07 | ng    | # 28   |
| 37) 2-Methylnaphthalene        | 9.24  | 142  | 117767   | 26.73 | ng    | # 99   |
| 45) 1,1'-Biphenyl              | 9.70  | 154  | 25817    | 4.14  | ng    | # 98   |
| 49) Dimethylphthalate          | 9.98  | 163  | 96111    | 17.02 | ng    | # 99   |
| 50) 2,6-Dinitrotoluene         | 9.98  | 165  | 2497     | 2.12  | ng    | # 60   |
| 51) Acenaphthene               | 10.33 | 154  | 14877    | 3.14  | ng    | # 49   |
| 52) 3-Nitroaniline             | 10.25 | 138  | 3810     | 2.86  | ng    | # 31   |
| 53) 2,4-Dinitrophenol          | 10.50 | 184  | 1633     | 10.53 | ng    | # 1    |
| 55) 4-Nitrophenol              | 10.38 | 139  | 13161    | 13.50 | ng    | # 37   |
| 56) 2,4-Dinitrotoluene         | 10.49 | 165  | 8150     | 5.37  | ng    | # 56   |
| 57) Fluorene                   | 10.84 | 166  | 27068    | 4.66  | ng    | # 74   |
| 61) 4-Nitroaniline             | 10.76 | 138  | 3806     | 2.95  | ng    | # 97   |
| 64) 4,6-Dinitro-2-methylphenol | 10.86 | 198  | 813      | 6.25  | ng    | # 1    |
| 65) n-Nitrosodiphenylamine     | 10.94 | 169  | 82953    | 20.06 | ng    | # 38   |
| 70) Phenanthrene               | 11.83 | 178  | 100411   | 12.89 | ng    | # 93   |
| 77) Pyrene                     | 13.35 | 202  | 29424    | 3.26  | ng    | # 90   |

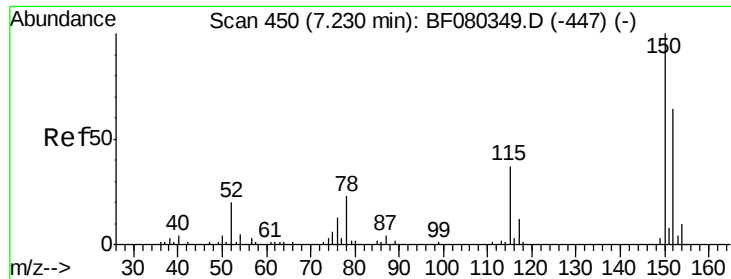
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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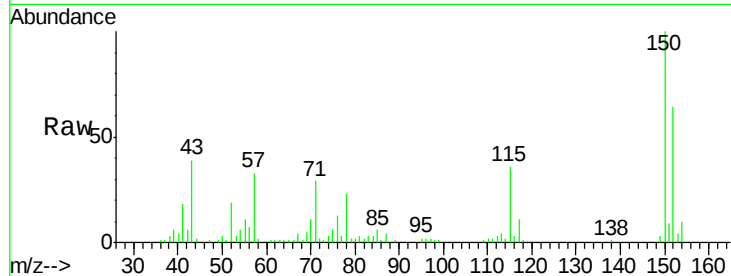




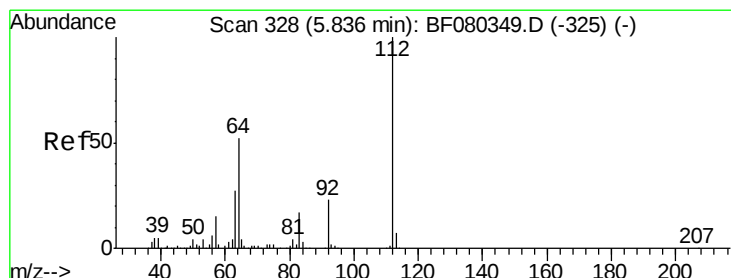
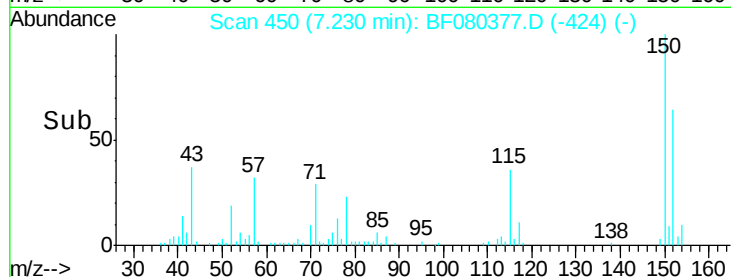
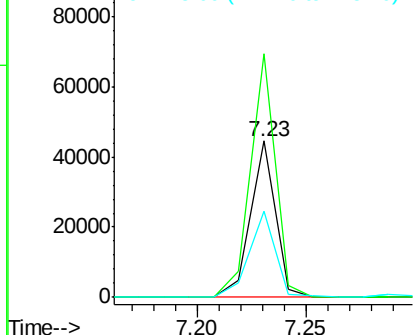
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.23 min Scan# 450  
 Delta R.T. 0.00 min  
 Lab File: BF080377.D  
 Acq: 7 Jul 2015 18:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

Tgt Ion:152 Resp: 35354  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 124.7 187.1  
 115 55.4 45.7 68.5

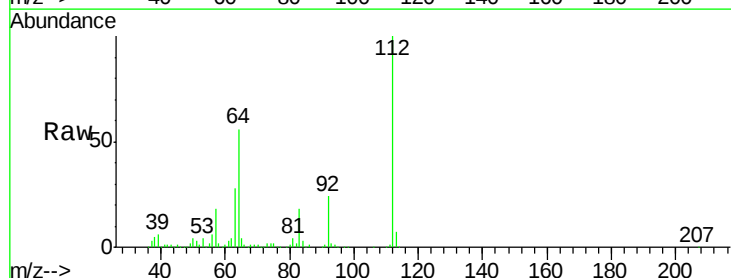


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

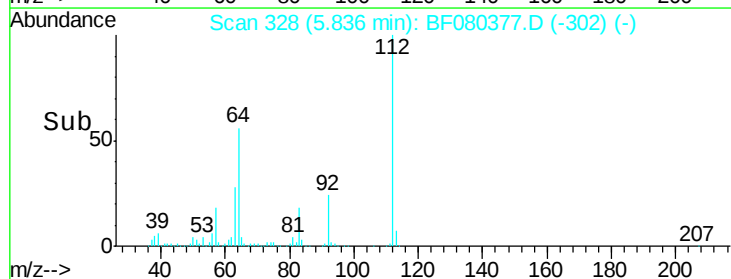
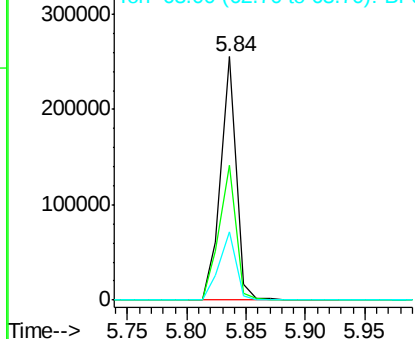


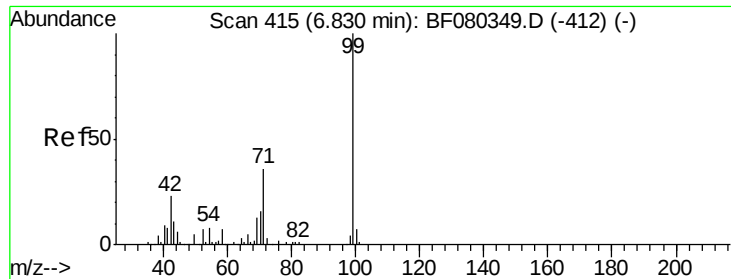
#5  
 2-Fluorophenol  
 Concen: 120.13 ng  
 RT: 5.84 min Scan# 328  
 Delta R.T. 0.00 min  
 Lab File: BF080377.D  
 Acq: 7 Jul 2015 18:00

Tgt Ion:112 Resp: 231903  
 Ion Ratio Lower Upper  
 112 100  
 64 55.6 41.8 62.6  
 63 27.8 21.5 32.3



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: 114.17 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

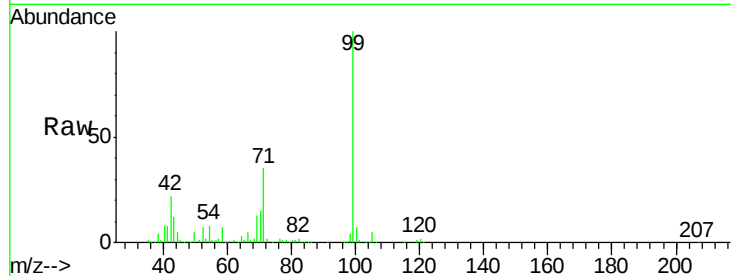
Tgt Ion: 99 Resp: 292127

Ion Ratio Lower Upper

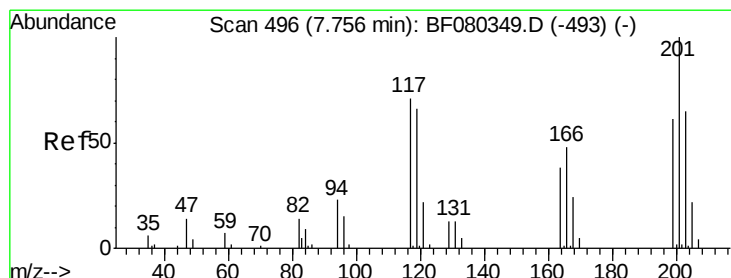
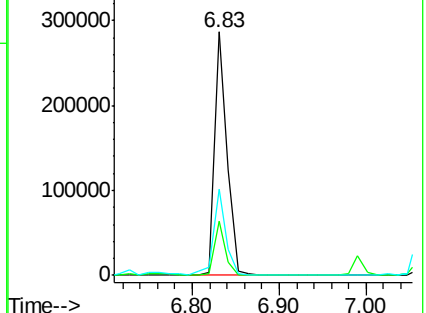
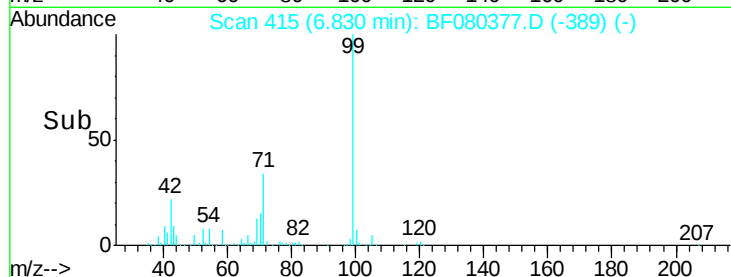
99 100

42 22.3 18.5 27.7

71 35.2 28.5 42.7



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



#18

Hexachloroethane

Concen: 10.59 ng

RT: 7.77 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

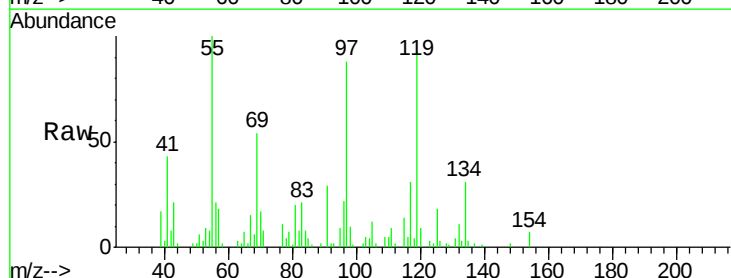
Tgt Ion: 117 Resp: 8733

Ion Ratio Lower Upper

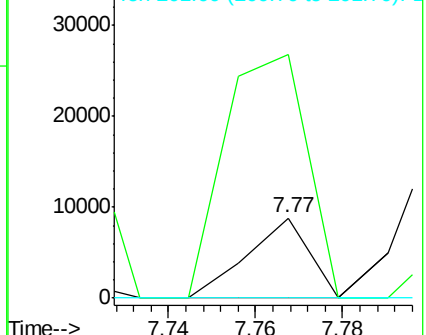
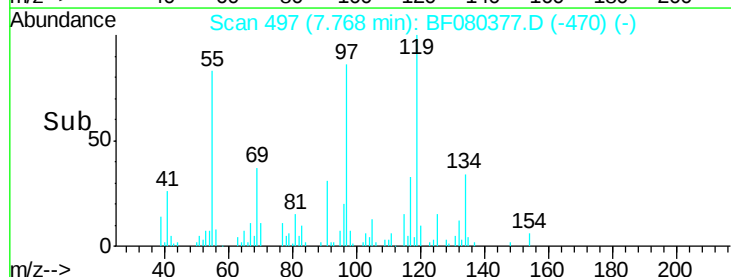
117 100

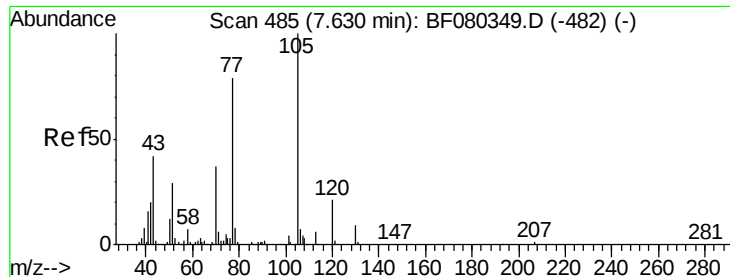
119 302.8 74.2 111.4#

201 0.0 112.4 168.6#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

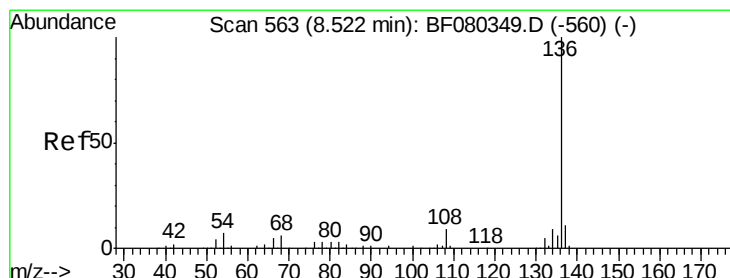
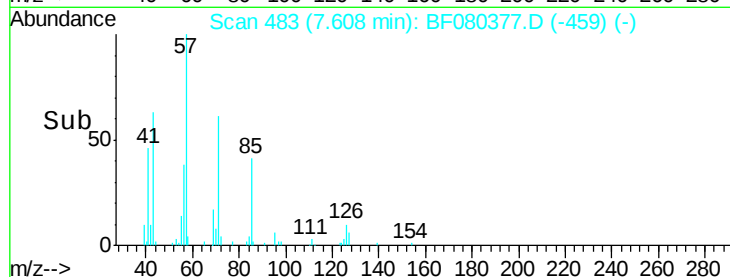
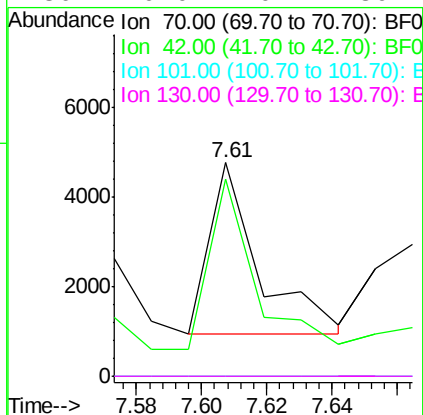
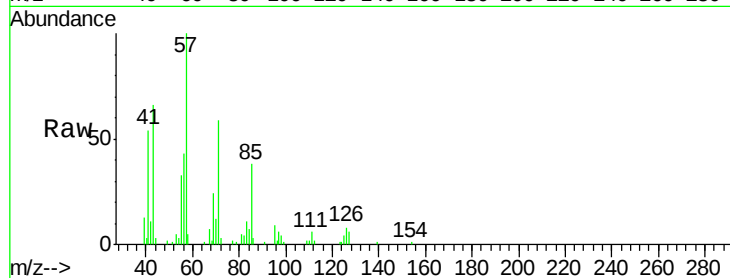




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.41 ng  
RT: 7.61 min Scan# 483  
Delta R.T. -0.02 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

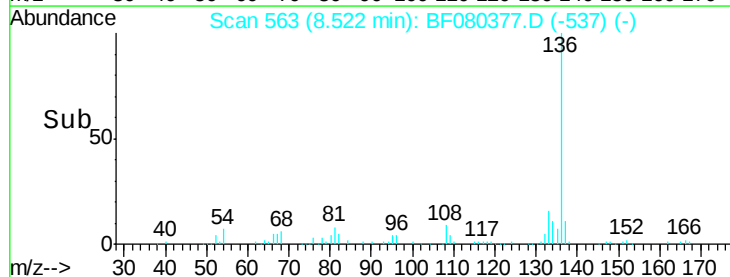
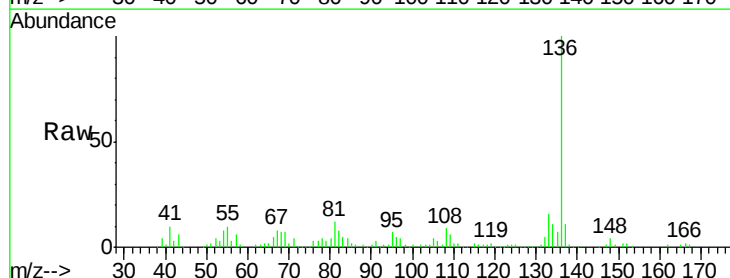
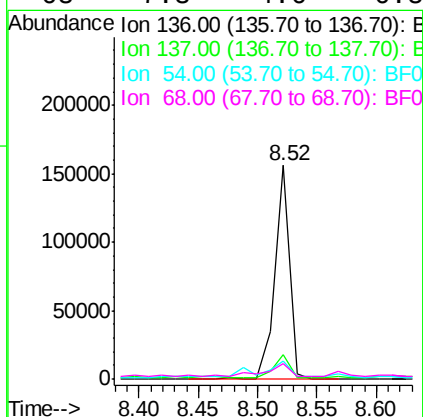
Instrument :  
BNA\_F  
ClientSampleId :  
PX4

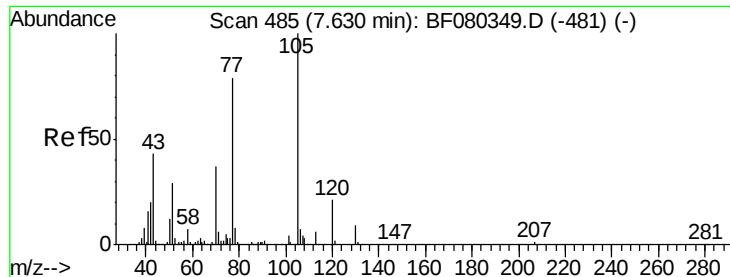
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 4009  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 92.1  | 43.0  | 64.6# |
| 101      | 0.0   | 8.3   | 12.5# |
| 130      | 0.0   | 20.2  | 30.2# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.52 min Scan# 563  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 134707 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.5   | 12.7   |
| 54       | 8.3   | 5.8   | 8.8    |
| 68       | 7.3   | 4.6   | 6.8#   |





#22

Acetophenone

Concen: 7.36 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampled :

PX4

Tgt Ion: 105 Resp: 22888

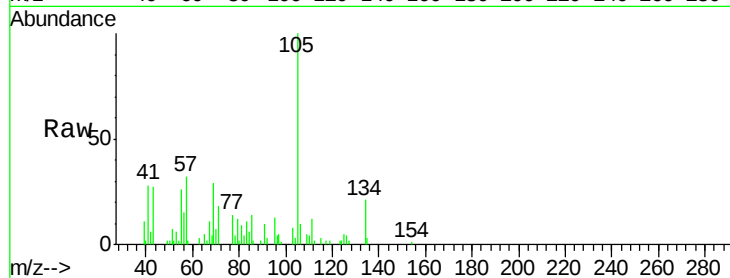
Ion Ratio Lower Upper

105 100

71 18.3 5.0 7.6#

51 6.7 23.2 34.8#

120 0.0 17.0 25.4#

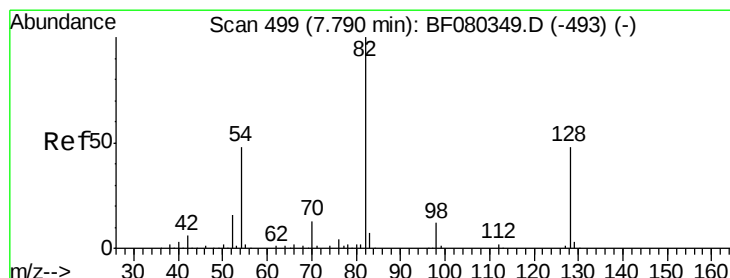
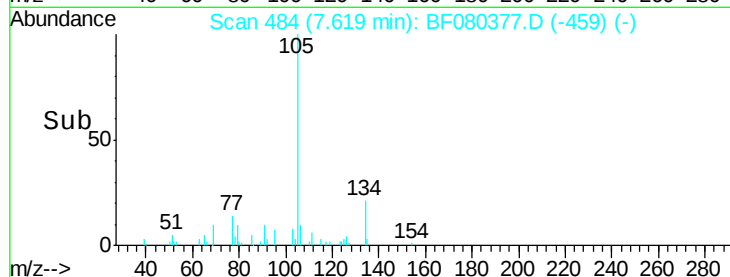
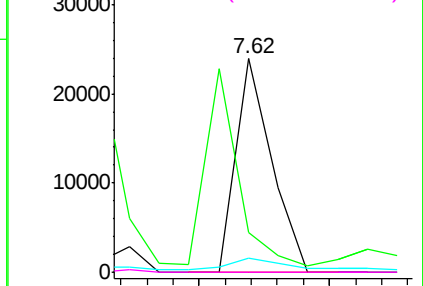


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 72.76 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

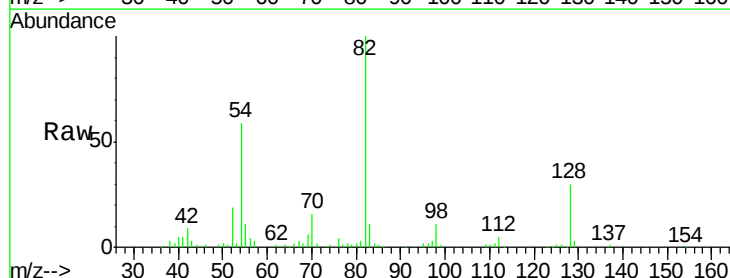
Tgt Ion: 82 Resp: 168039

Ion Ratio Lower Upper

82 100

128 29.9 38.4 57.6#

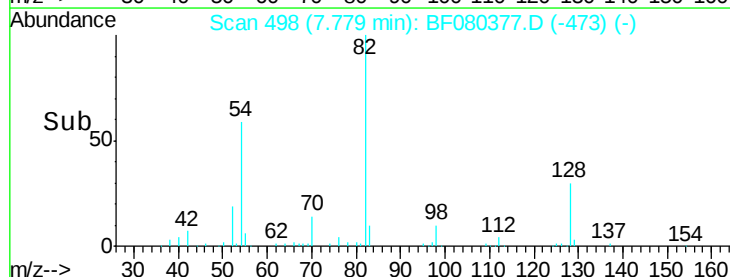
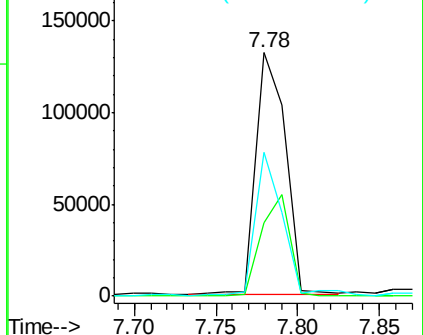
54 59.1 38.2 57.2#

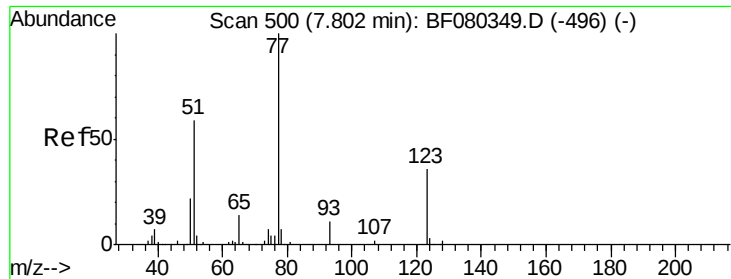


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

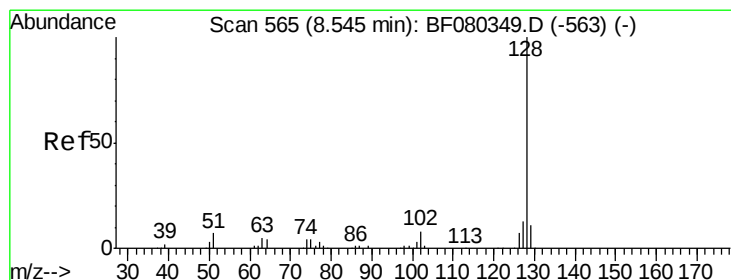
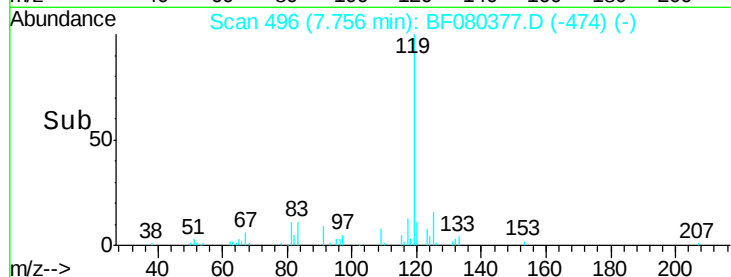
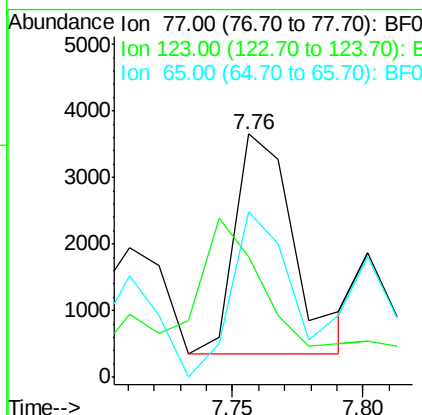
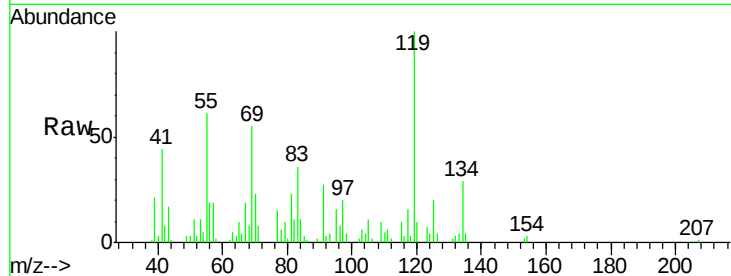




#24  
Nitrobenzene  
Concen: 2.24 ng  
RT: 7.76 min Scan# 496  
Delta R.T. -0.05 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

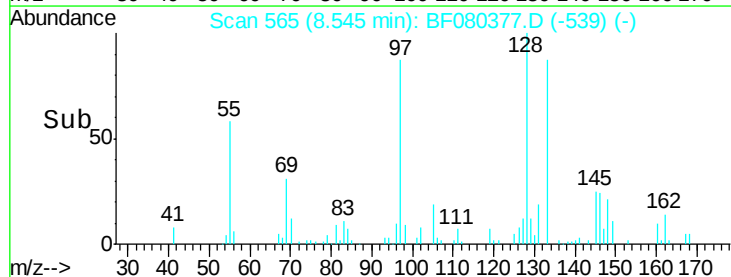
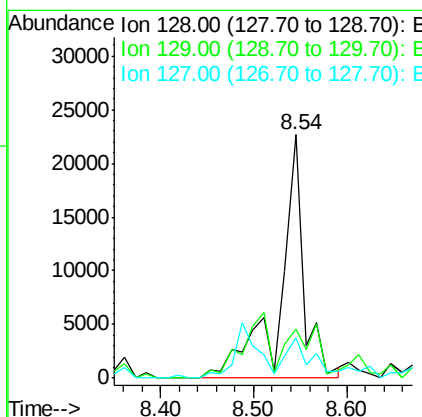
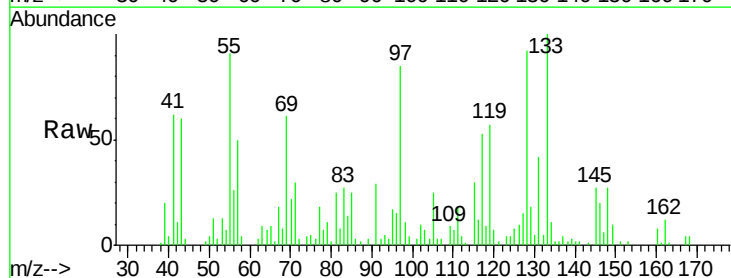
Instrument :  
BNA\_F  
ClientSampleId :  
PX4

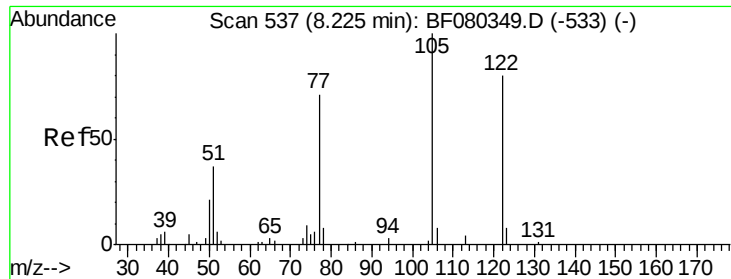
Tgt Ion: 77 Resp: 5196  
Ion Ratio Lower Upper  
77 100  
123 49.5 29.6 44.4#  
65 68.0 11.1 16.7#



#31  
Naphthalene  
Concen: 5.87 ng  
RT: 8.54 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Tgt Ion: 128 Resp: 40570  
Ion Ratio Lower Upper  
128 100  
129 20.0 8.8 13.2#  
127 16.7 10.4 15.6#





#32

Benzoic acid

Concen: 8.44 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.04 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

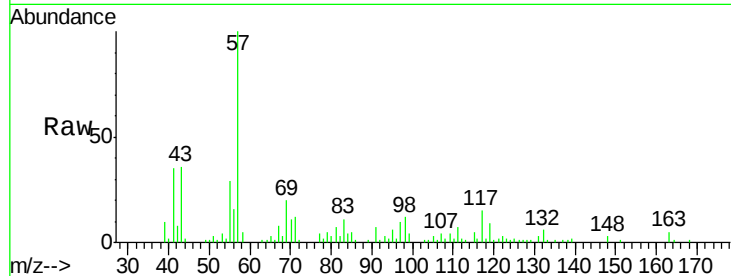
Tgt Ion:122 Resp: 2919

Ion Ratio Lower Upper

122 100

105 86.7 102.2 142.2#

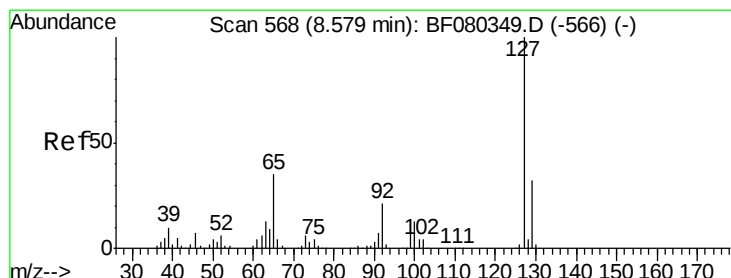
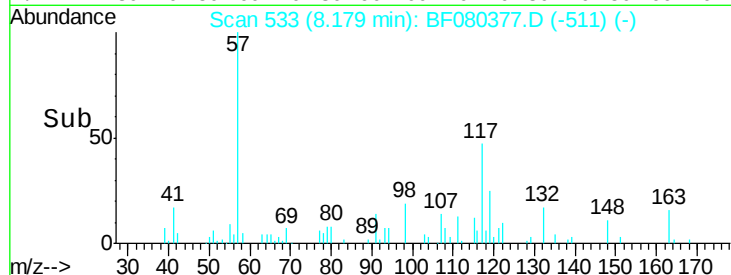
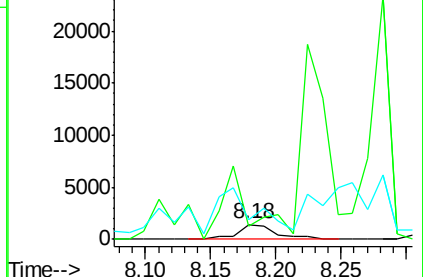
77 133.2 68.8 108.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 2.02 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.03 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Tgt Ion:127 Resp: 5559

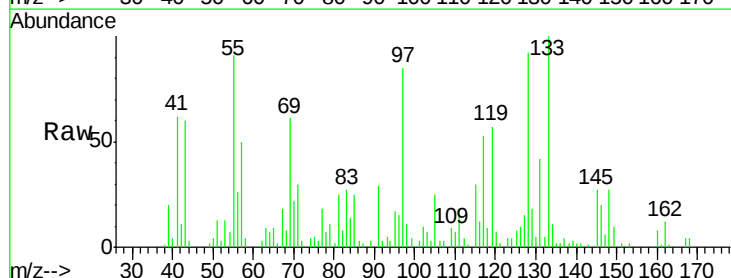
Ion Ratio Lower Upper

127 100

129 119.7 26.2 39.2#

65 60.7 28.1 42.1#

92 18.7 16.6 24.8

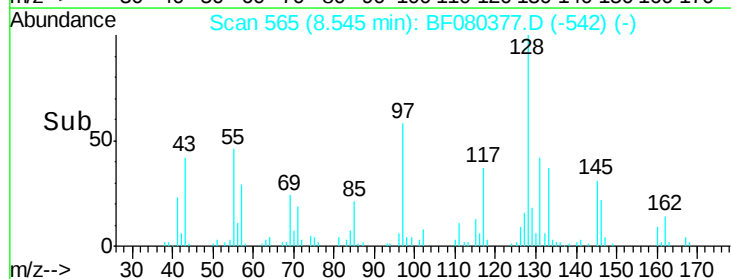
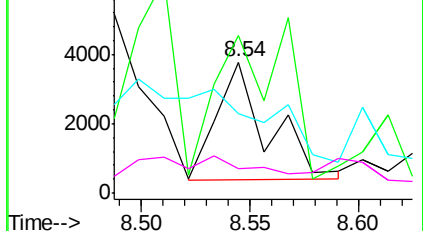


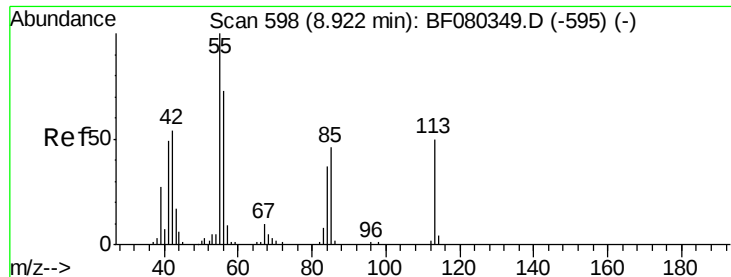
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 37.07 ng

RT: 8.93 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

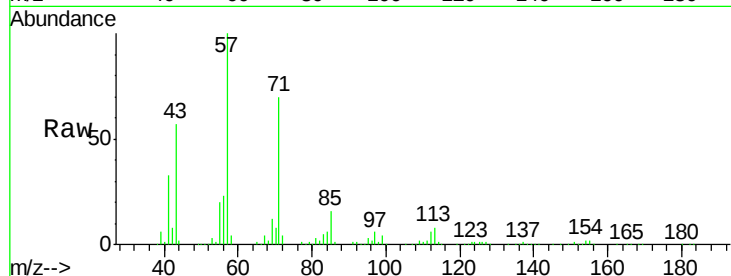
Tgt Ion:113 Resp: 20077

Ion Ratio Lower Upper

113 100

55 260.8 181.4 221.4#

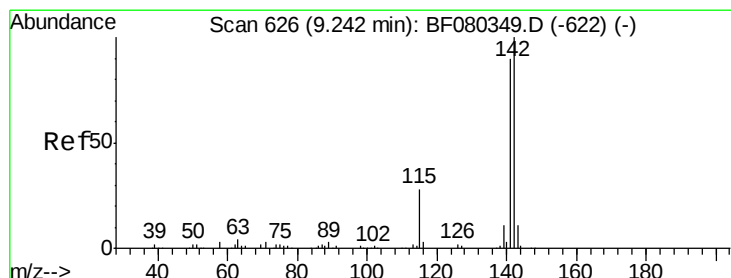
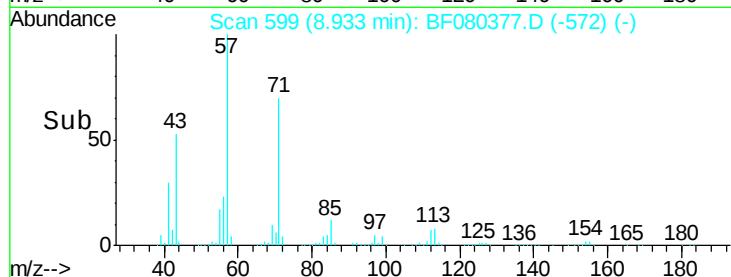
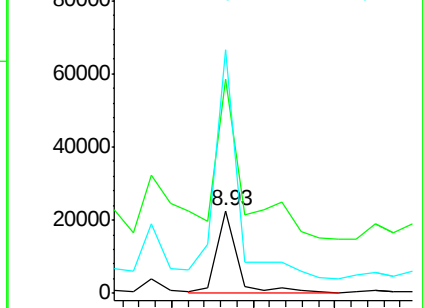
56 295.7 127.3 167.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 26.73 ng

RT: 9.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

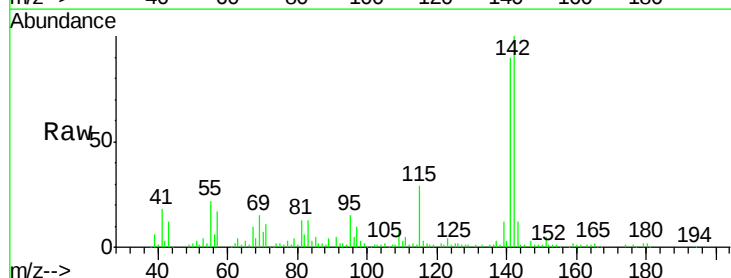
Tgt Ion:142 Resp: 117767

Ion Ratio Lower Upper

142 100

141 89.5 71.8 107.8

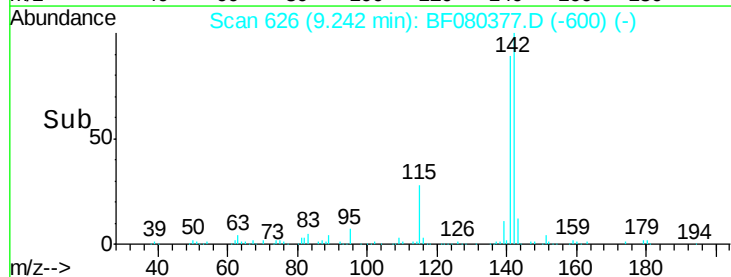
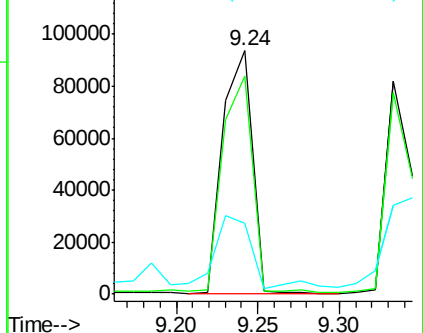
115 29.3 22.6 34.0

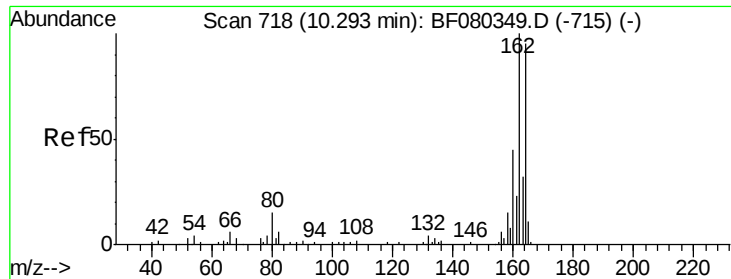


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

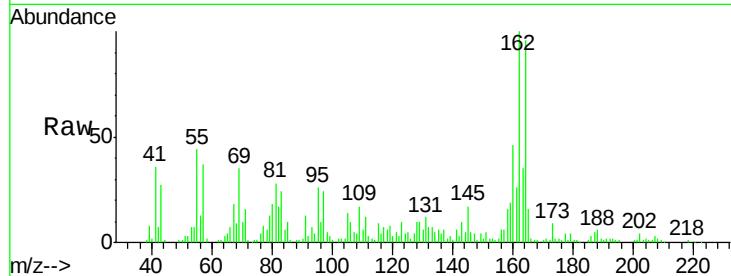




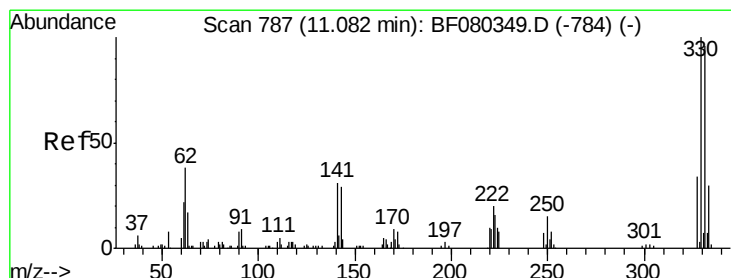
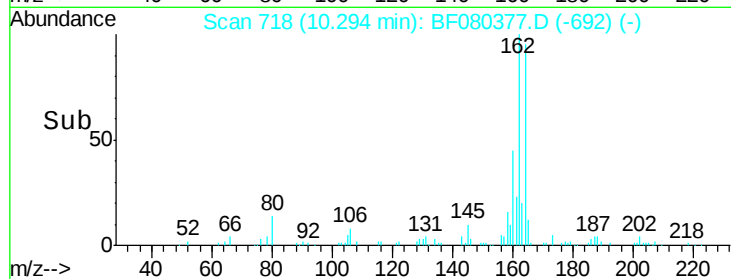
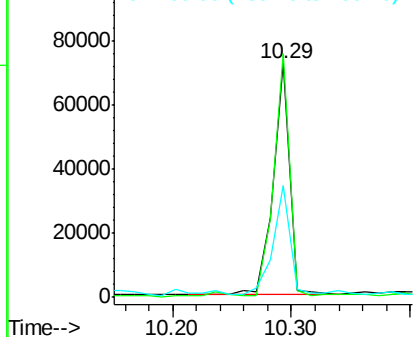
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.29 min Scan# 718  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Instrument :  
BNA\_F  
ClientSampleId :  
PX4

Tgt Ion:164 Resp: 70316  
Ion Ratio Lower Upper  
164 100  
162 103.8 84.5 126.7  
160 47.5 37.7 56.5

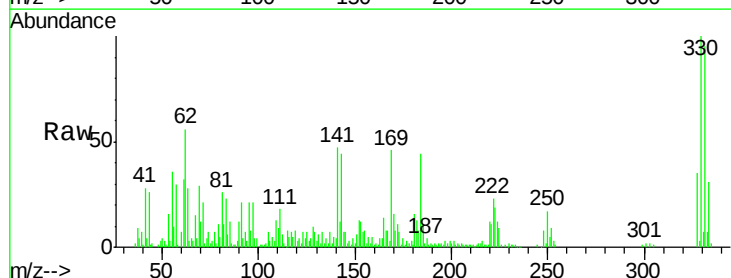


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

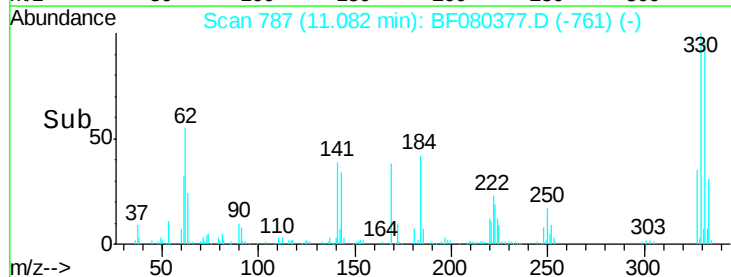
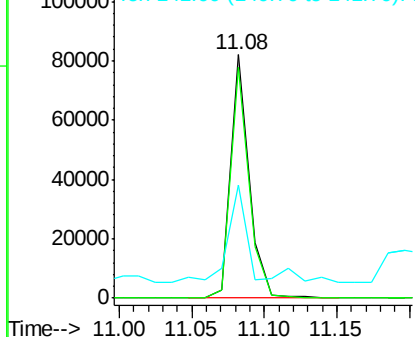


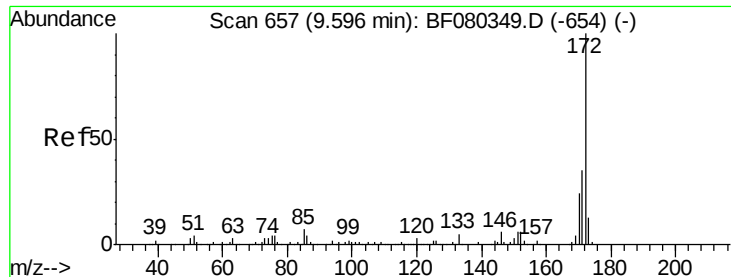
#41  
2,4,6-Tribromophenol  
Concen: 98.50 ng  
RT: 11.08 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Tgt Ion:330 Resp: 72470  
Ion Ratio Lower Upper  
330 100  
332 94.1 77.0 115.4  
141 42.0 29.6 44.4



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

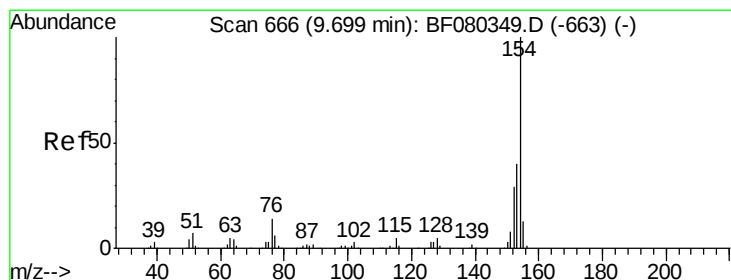
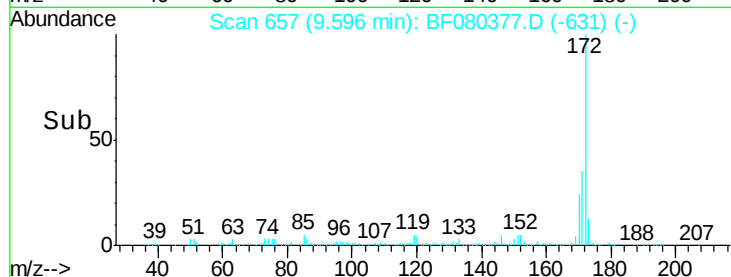
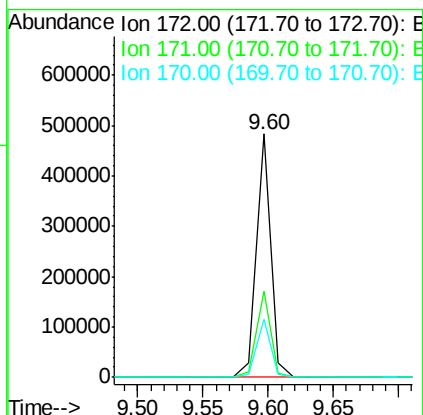
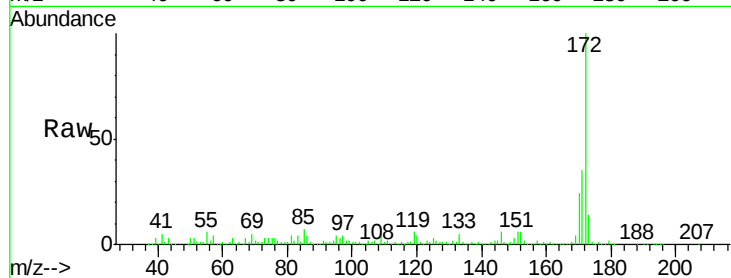




#44  
2-Fluorobiphenyl  
Concen: 71.70 ng  
RT: 9.60 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

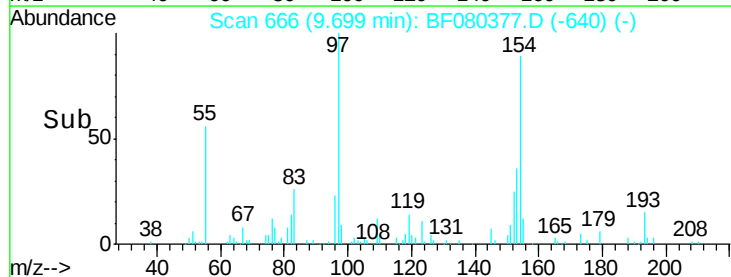
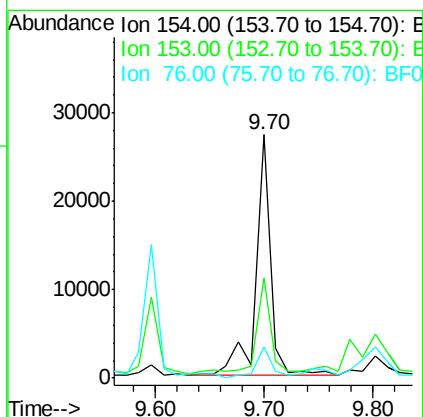
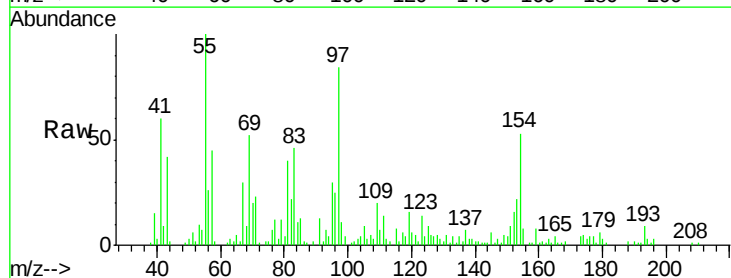
Instrument :  
BNA\_F  
ClientSampleId :  
PX4

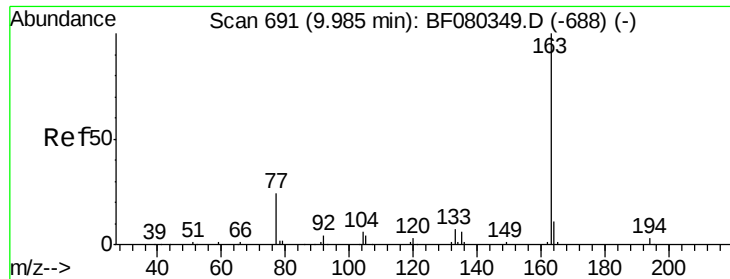
Tgt Ion:172 Resp: 373586  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.3 42.5  
170 23.9 19.1 28.7



#45  
1,1'-Biphenyl  
Concen: 4.14 ng  
RT: 9.70 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Tgt Ion:154 Resp: 25817  
Ion Ratio Lower Upper  
154 100  
153 41.2 19.8 59.8  
76 12.7 0.0 33.6





#49

Dimethylphthalate

Concen: 17.02 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

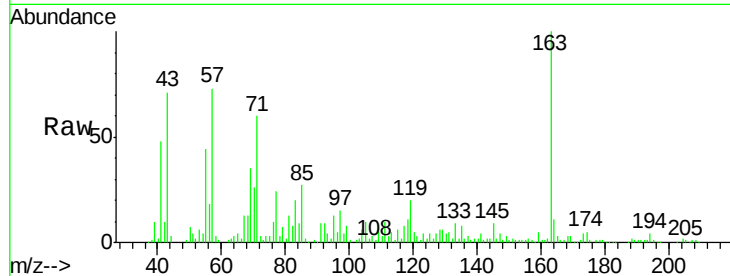
Tgt Ion:163 Resp: 96111

Ion Ratio Lower Upper

163 100

194 3.8 2.6 3.8

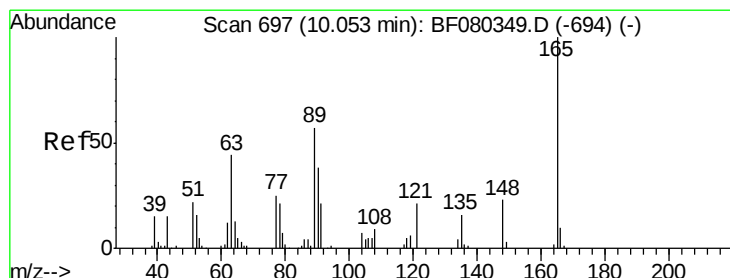
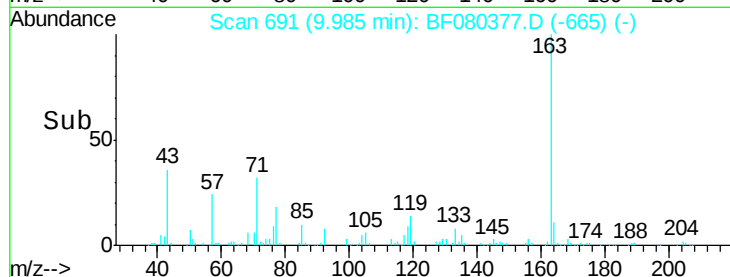
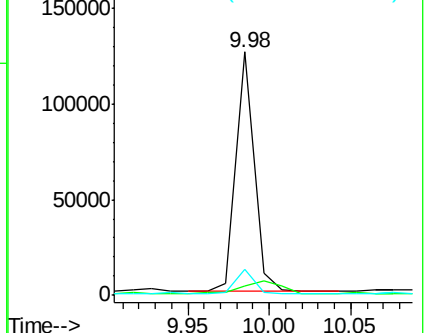
164 10.9 8.5 12.7



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: 2.12 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.07 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

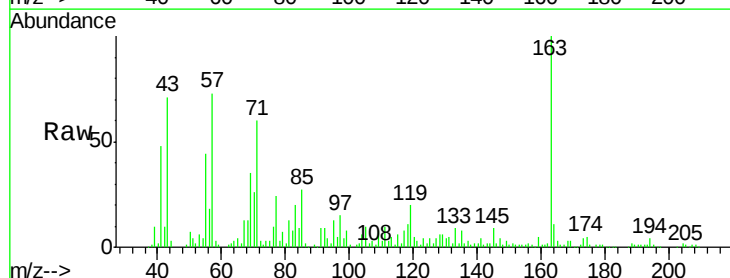
Tgt Ion:165 Resp: 2497

Ion Ratio Lower Upper

165 100

63 84.4 44.8 67.2#

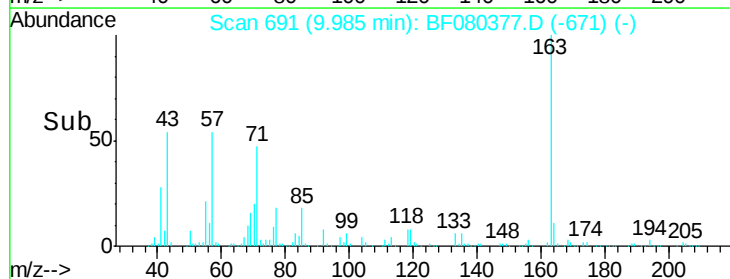
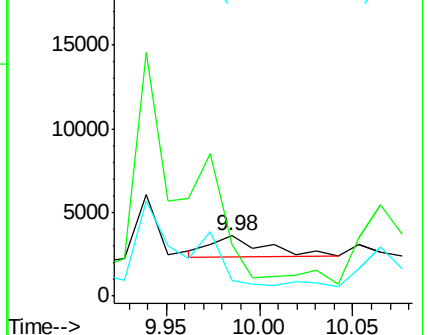
89 27.0 45.9 68.9#

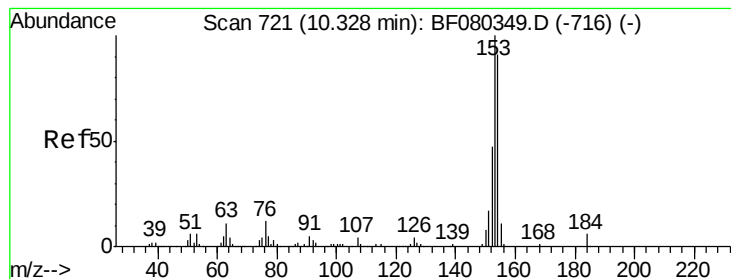


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 3.14 ng

RT: 10.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

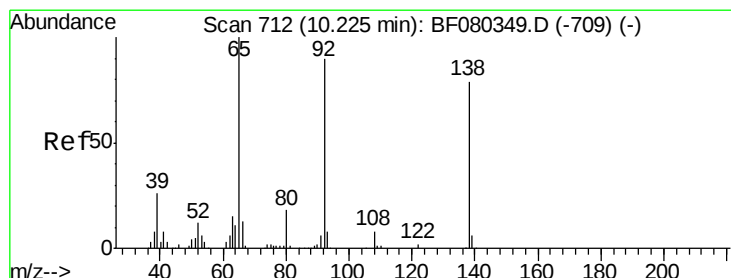
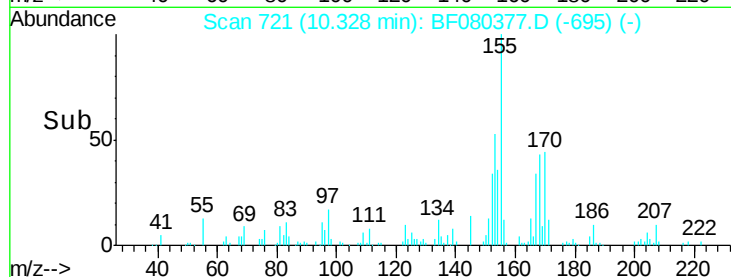
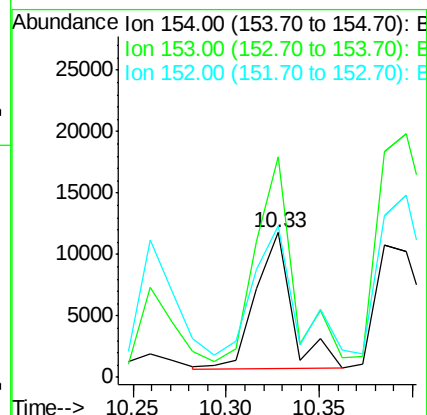
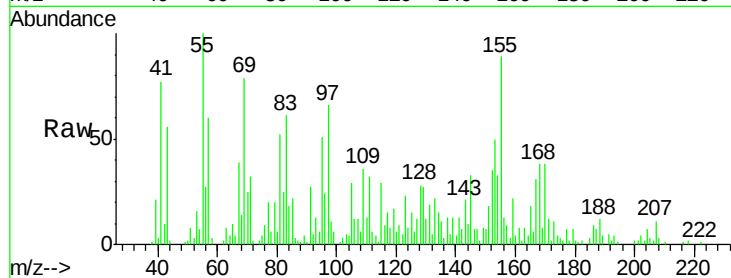
Tgt Ion:154 Resp: 14877

Ion Ratio Lower Upper

154 100

153 152.1 88.1 132.1#

152 104.7 41.8 62.6#



#52

3-Nitroaniline

Concen: 2.86 ng

RT: 10.25 min Scan# 714

Delta R.T. 0.02 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

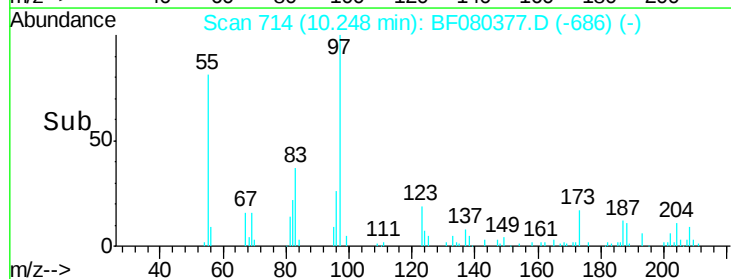
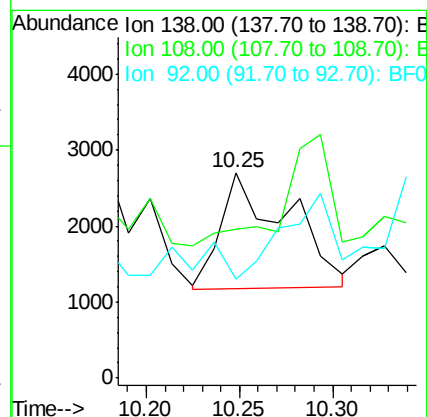
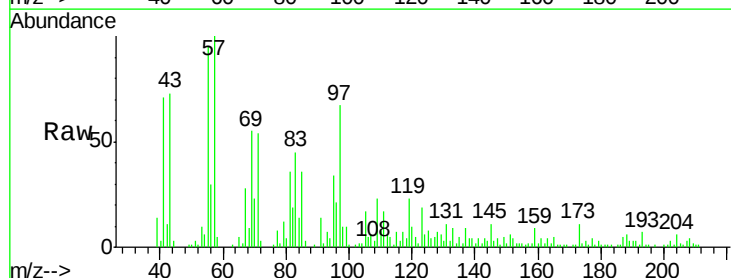
Tgt Ion:138 Resp: 3810

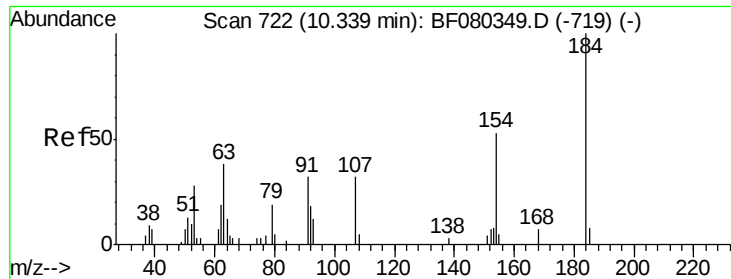
Ion Ratio Lower Upper

138 100

108 72.1 7.8 11.8#

92 48.2 91.0 136.6#

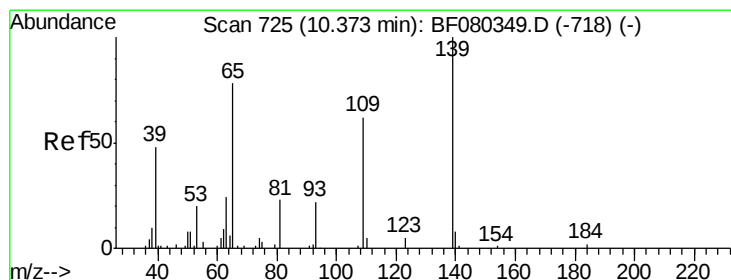
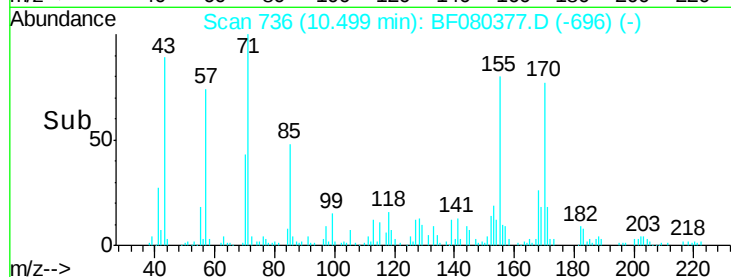
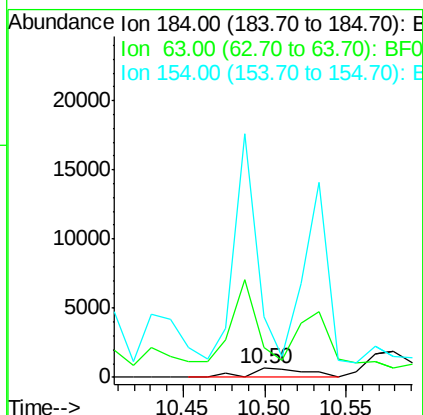
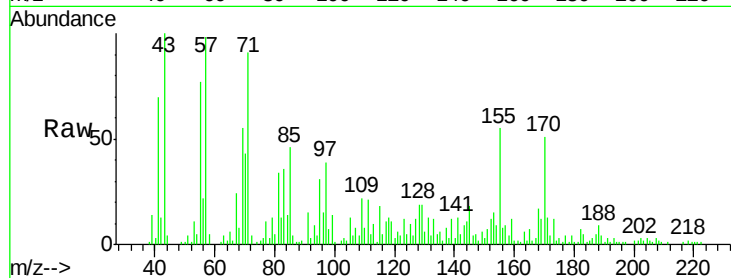




#53  
 2,4-Dinitrophenol  
 Concen: 10.53 ng  
 RT: 10.50 min Scan# 736  
 Delta R.T. 0.16 min  
 Lab File: BF080377.D  
 Acq: 7 Jul 2015 18:00

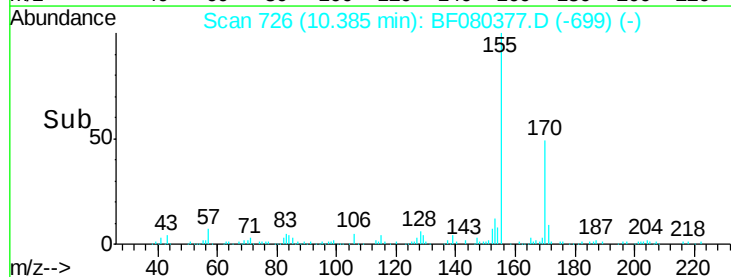
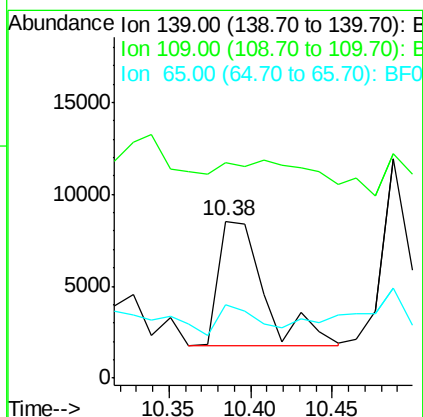
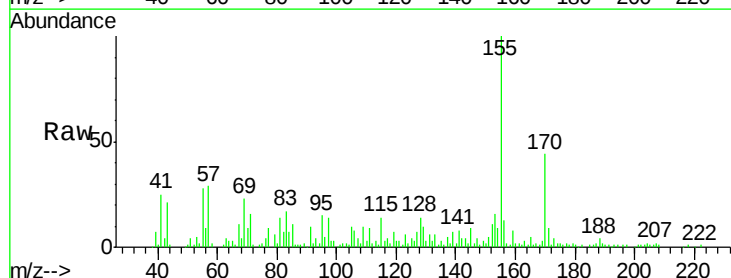
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PX4

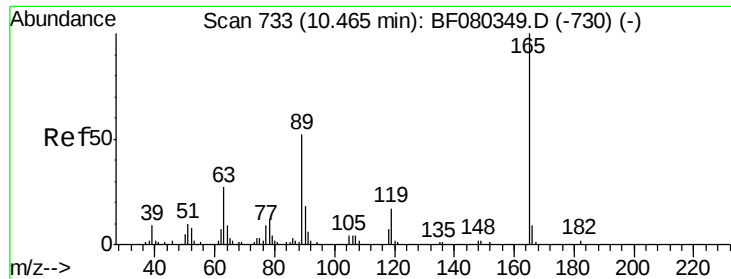
Tgt Ion:184 Resp: 1633  
 Ion Ratio Lower Upper  
 184 100  
 63 327.0 30.6 46.0#  
 154 678.7 45.3 67.9#



#55  
 4-Nitrophenol  
 Concen: 13.50 ng  
 RT: 10.38 min Scan# 726  
 Delta R.T. 0.01 min  
 Lab File: BF080377.D  
 Acq: 7 Jul 2015 18:00

Tgt Ion:139 Resp: 13161  
 Ion Ratio Lower Upper  
 139 100  
 109 137.3 42.3 82.3#  
 65 46.8 58.5 98.5#





#56

2,4-Dinitrotoluene

Concen: 5.37 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

Tgt Ion:165 Resp: 8150

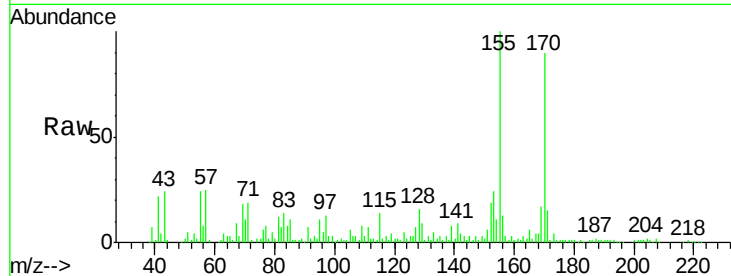
Ion Ratio Lower Upper

165 100

63 70.8 21.8 32.8#

89 34.6 41.3 61.9#

182 11.4 1.8 2.6#



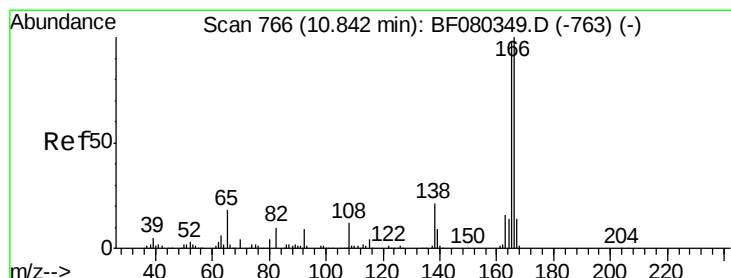
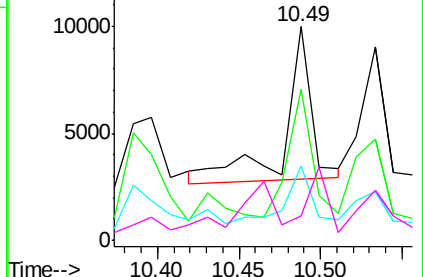
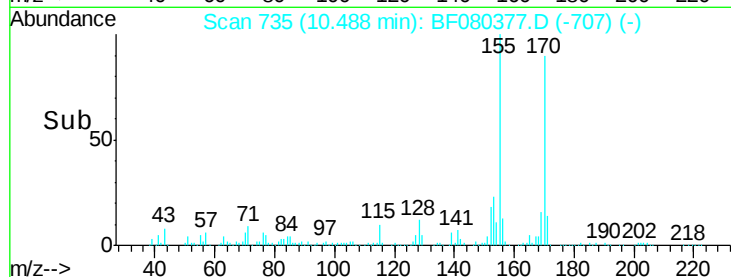
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#57

Fluorene

Concen: 4.66 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

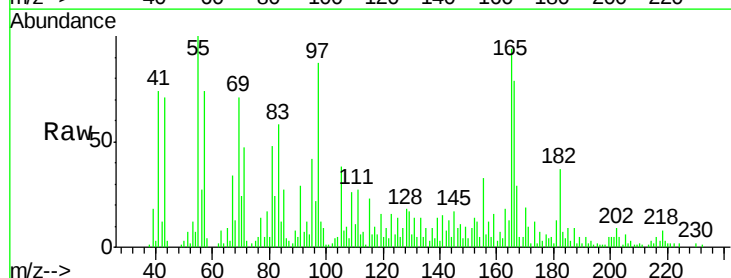
Tgt Ion:166 Resp: 27068

Ion Ratio Lower Upper

166 100

165 119.3 78.6 117.8#

167 36.4 10.8 16.2#

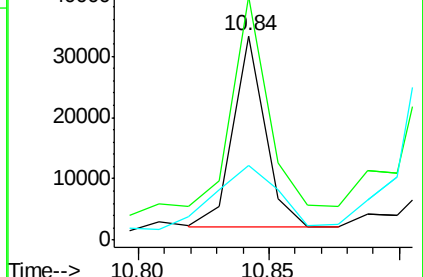
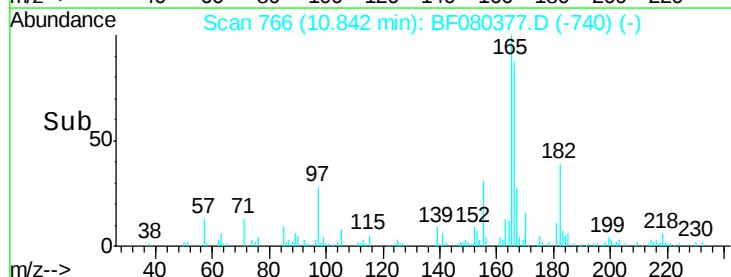


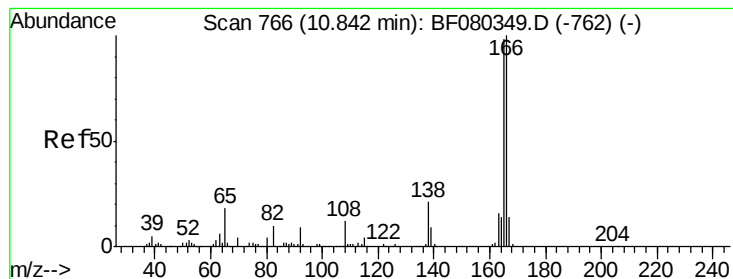
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

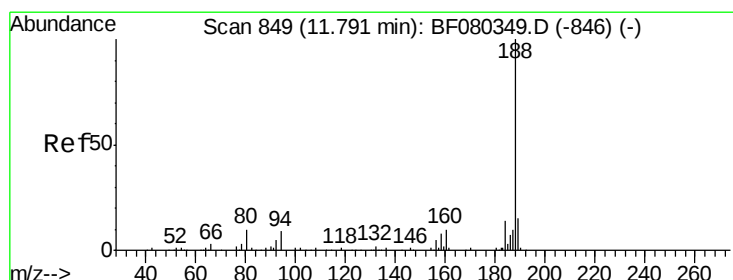
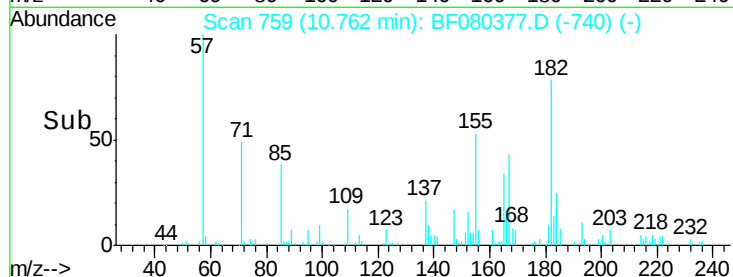
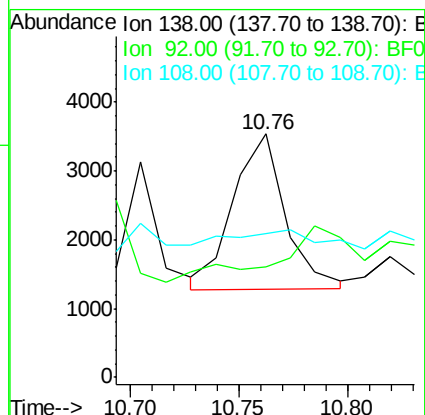
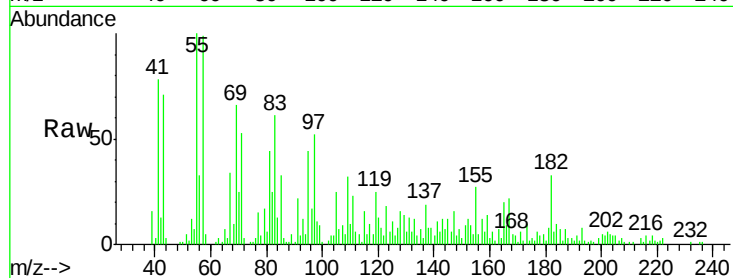




#61  
4-Nitroaniline  
Concen: 2.95 ng  
RT: 10.76 min Scan# 759  
Delta R.T. -0.08 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

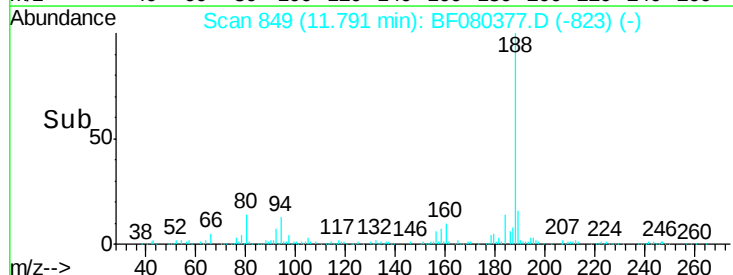
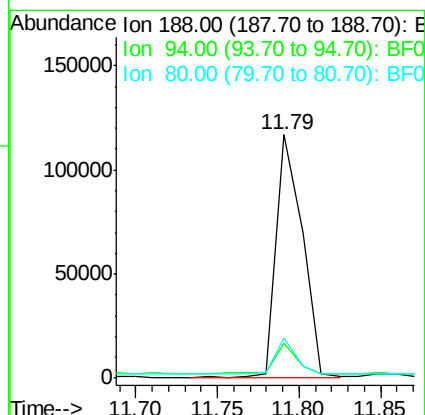
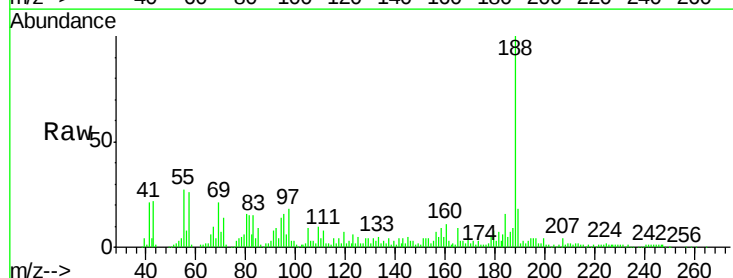
Instrument :  
BNA\_F  
ClientSampled :  
PX4

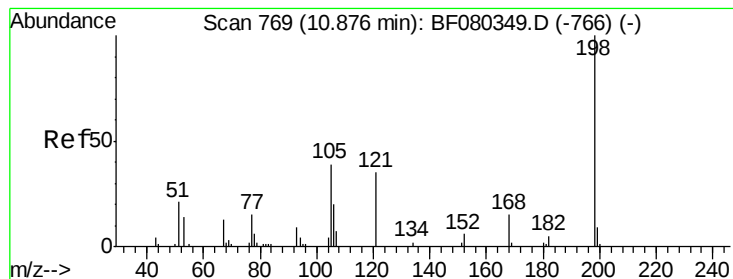
Tgt Ion:138 Resp: 3806  
Ion Ratio Lower Upper  
138 100  
92 45.3 21.0 61.0  
108 58.8 38.4 78.4



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.79 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Tgt Ion:188 Resp: 129843  
Ion Ratio Lower Upper  
188 100  
94 14.2 7.5 11.3#  
80 16.3 8.3 12.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.25 ng

RT: 10.86 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

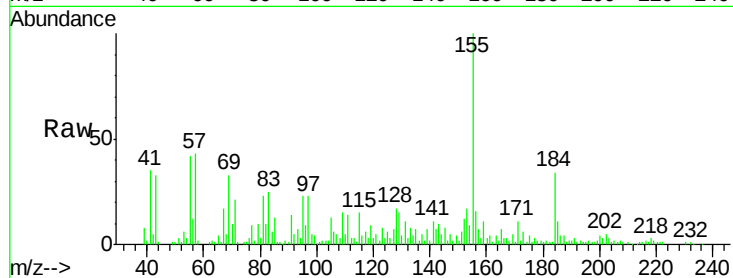
Tgt Ion:198 Resp: 813

Ion Ratio Lower Upper

198 100

51 420.8 17.0 57.0#

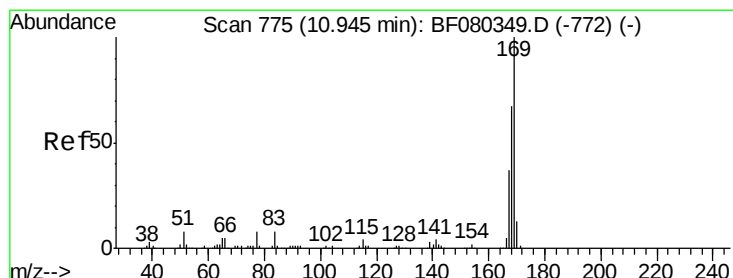
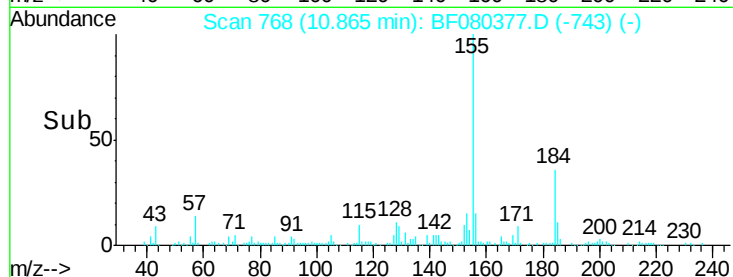
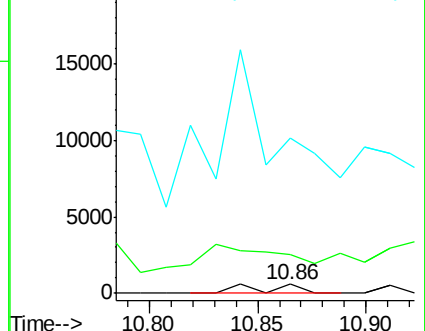
105 1684.4 20.9 60.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 20.06 ng

RT: 10.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

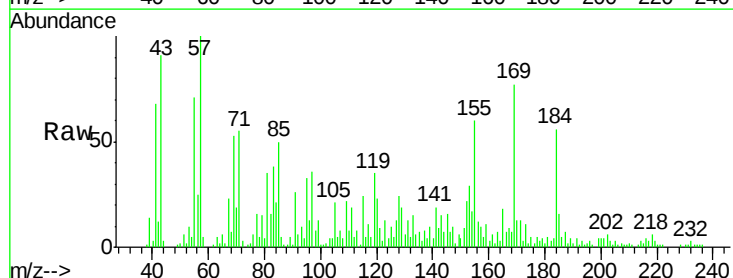
Tgt Ion:169 Resp: 82953

Ion Ratio Lower Upper

169 100

168 9.2 53.5 80.3#

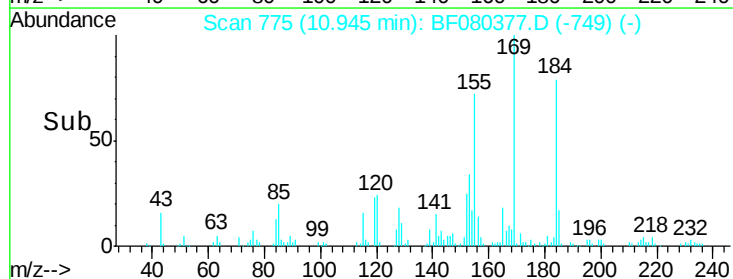
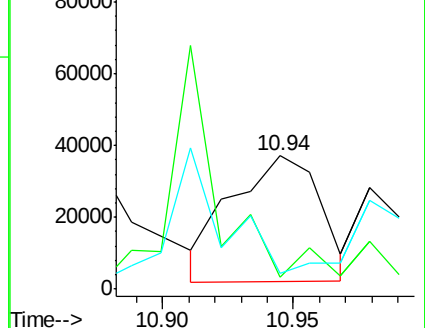
167 11.5 29.5 44.3#

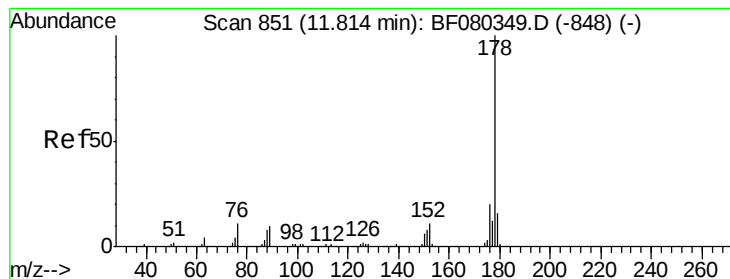


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 12.89 ng

RT: 11.83 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

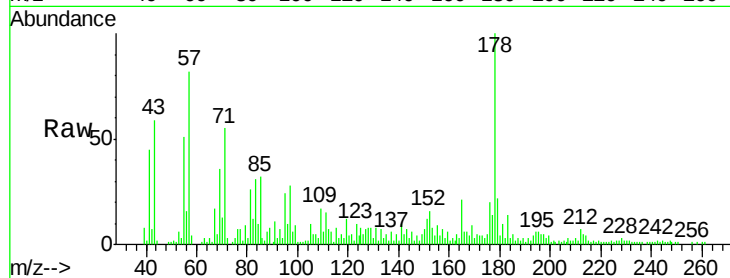
Tgt Ion:178 Resp: 100411

Ion Ratio Lower Upper

178 100

176 20.0 16.1 24.1

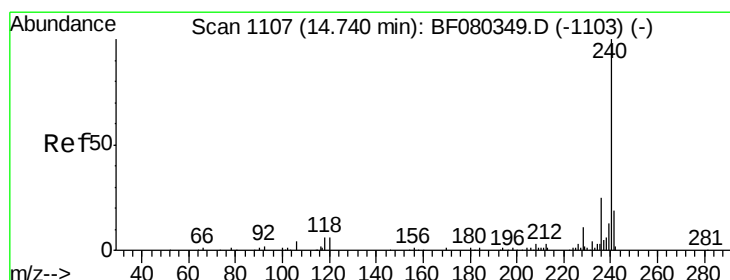
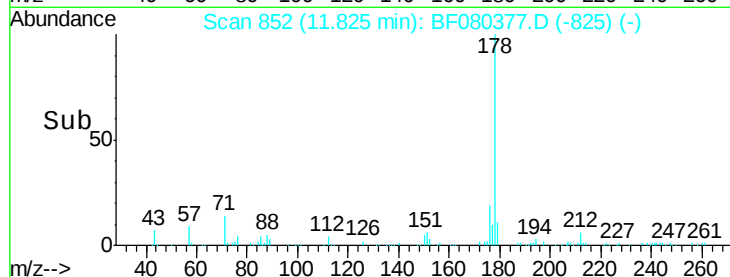
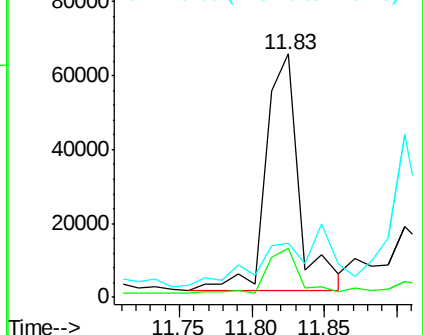
179 22.1 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.77 min Scan# 1110

Delta R.T. 0.03 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

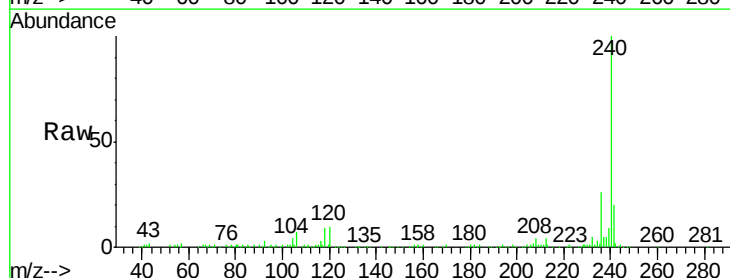
Tgt Ion:240 Resp: 149209

Ion Ratio Lower Upper

240 100

120 10.5 5.1 7.7#

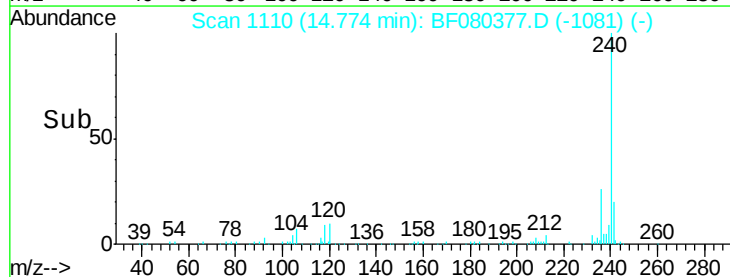
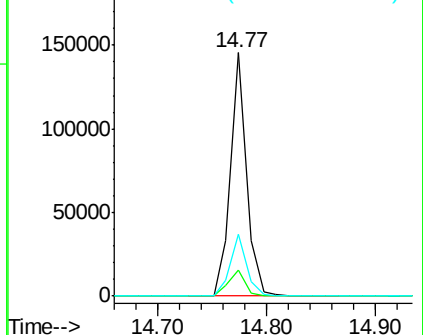
236 25.5 20.4 30.6

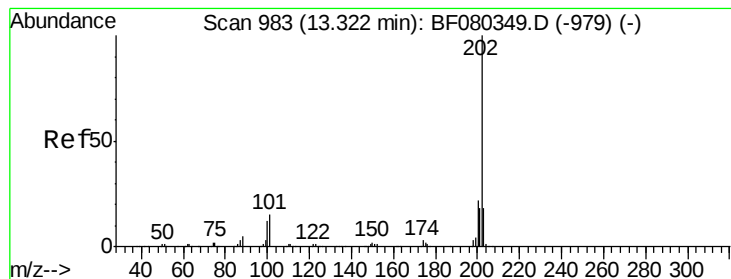


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.26 ng

RT: 13.35 min Scan# 985

Delta R.T. 0.02 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

Instrument :

BNA\_F

ClientSampleId :

PX4

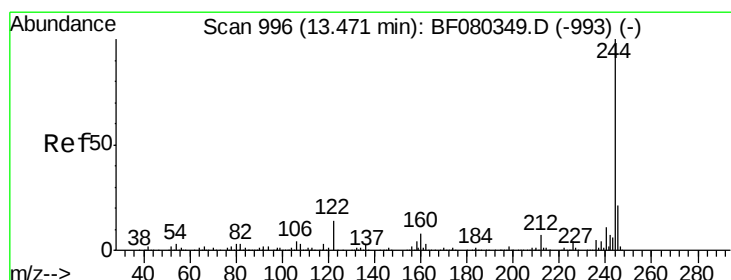
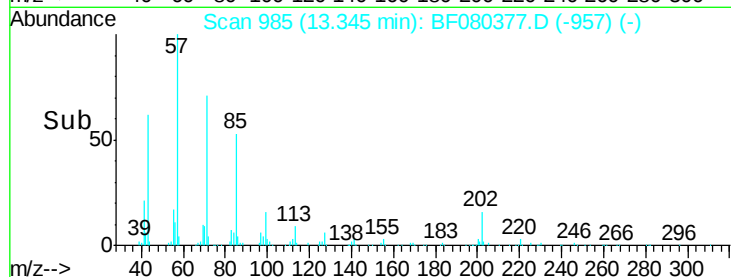
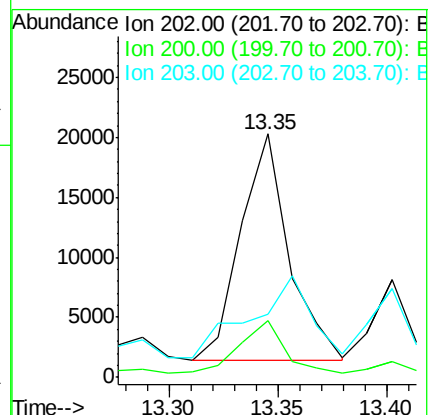
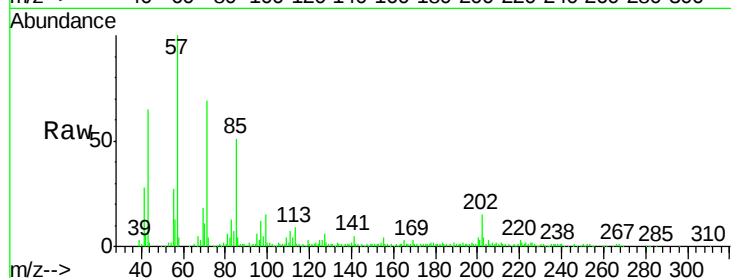
Tgt Ion:202 Resp: 29424

Ion Ratio Lower Upper

202 100

200 23.2 17.2 25.8

203 25.7 14.3 21.5#



#78

Terphenyl-d14

Concen: 68.52 ng

RT: 13.49 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF080377.D

Acq: 7 Jul 2015 18:00

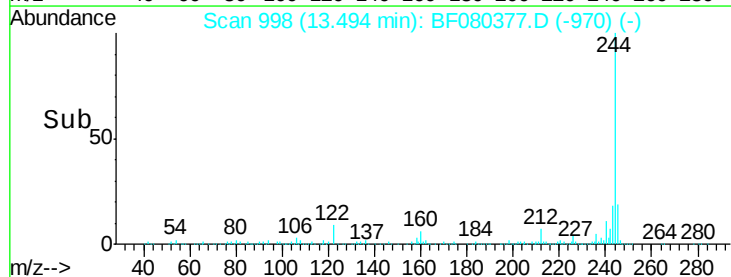
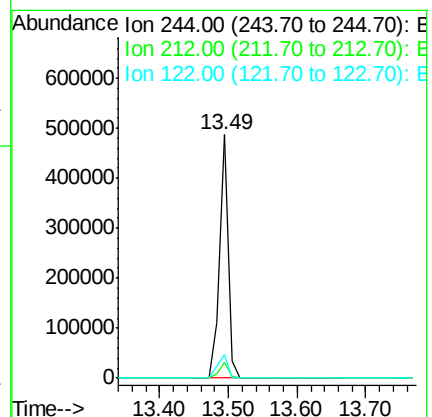
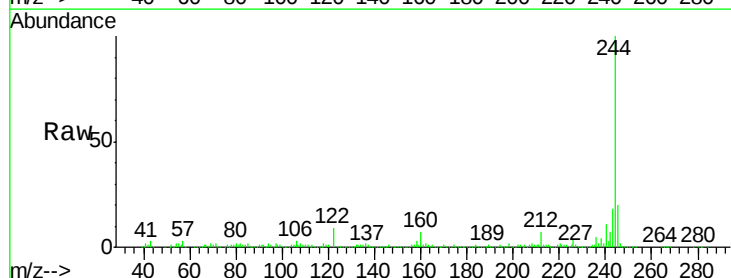
Tgt Ion:244 Resp: 438331

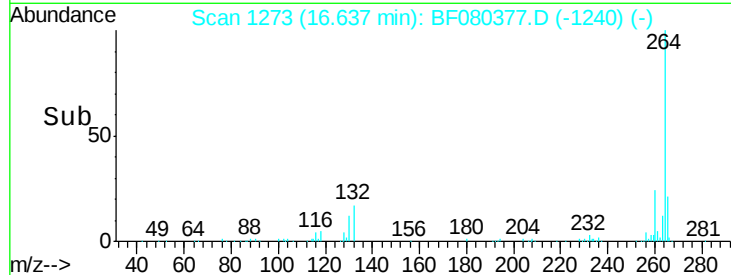
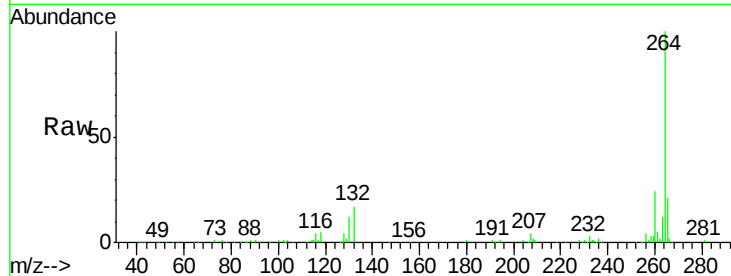
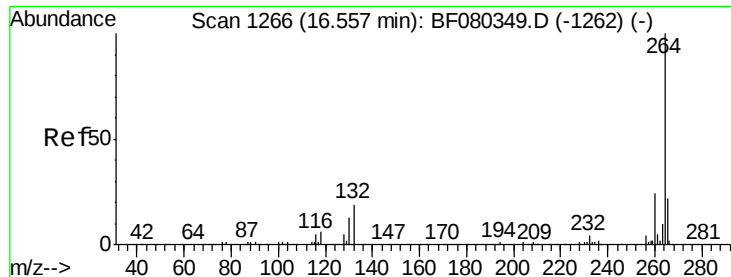
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 9.4 11.1 16.7#





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.64 min Scan# 1273  
Delta R.T. 0.08 min  
Lab File: BF080377.D  
Acq: 7 Jul 2015 18:00

Instrument :  
BNA\_F  
ClientSampleId :  
PX4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 145421 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.0  | 19.2  | 28.8   |
| 265      | 21.3  | 17.6  | 26.4   |

