

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051816\  
 Data File : BF087173.D  
 Acq On : 19 May 2016 6:16  
 Operator : UM/SJ  
 Sample : H3105-05  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

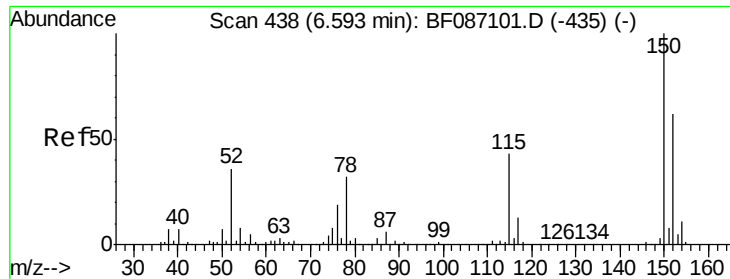
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06RR

Quant Time: May 19 06:55:30 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 16:55:01 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.58  | 152  | 118236   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.86  | 136  | 474326   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.61  | 164  | 227930   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.08 | 188  | 371877   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 13.71 | 240  | 275043   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 15.06 | 264  | 285118   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.16  | 112  | 540973   | 76.90  | ng    | -0.03    |
| 7) Phenol-d6                   | 6.24  | 99   | 466967   | 49.50  | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.15  | 82   | 916908   | 96.34  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.40 | 330  | 312741   | 124.17 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 8.95  | 172  | 1500355  | 109.02 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.67 | 244  | 1226898  | 100.91 | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 15) Benzyl Alcohol             | 6.73  | 79   | 18972    | 2.70   | ng    | # 42     |
| 18) Hexachloroethane           | 7.12  | 117  | 31542    | 8.86   | ng    | # 41     |
| 19) n-Nitroso-di-n-propylamine | 7.15  | 70   | 130585   | 18.21  | ng    | # 73     |
| 25) Isophorone                 | 7.15  | 82   | 724639   | 41.59  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.35  | 163  | 47046    | 2.71   | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 210      | 4.83   | ng    | # 1      |
| 55) 4-Nitrophenol              | 9.66  | 139  | 3344     | 2.75   | ng    | 92       |
| 66) 4-Bromophenyl-phenylether  | 10.40 | 248  | 18594    | 4.86   | ng    | # 1      |

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

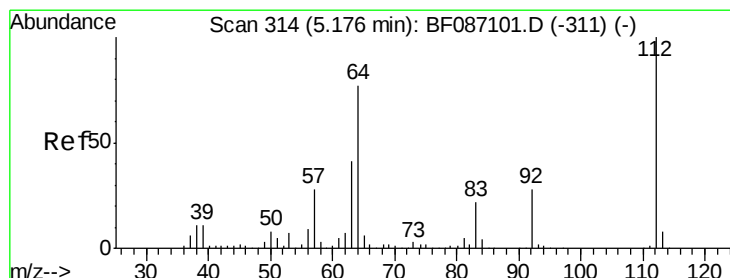
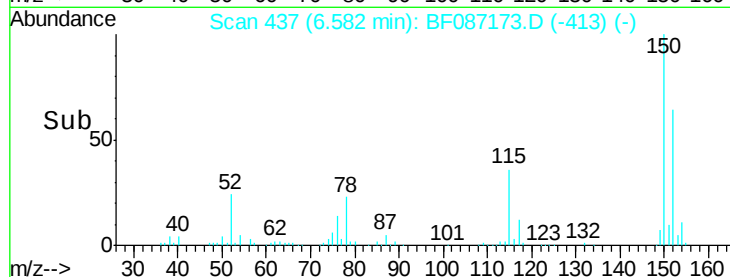
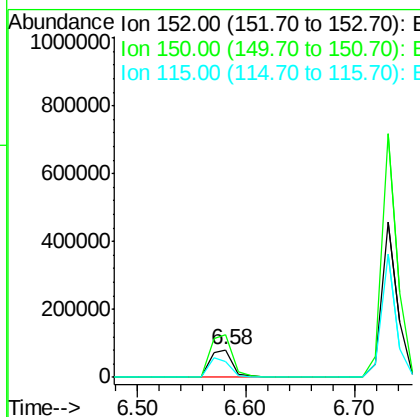
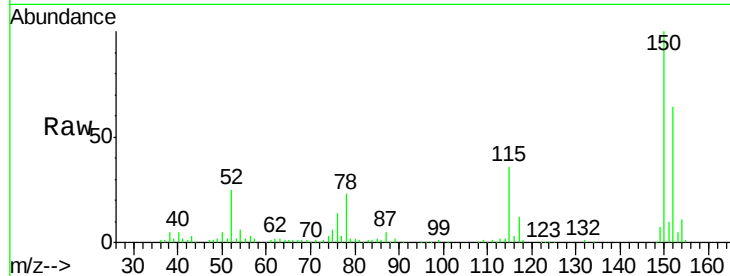




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.58 min Scan# 437  
 Delta R.T. -0.02 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

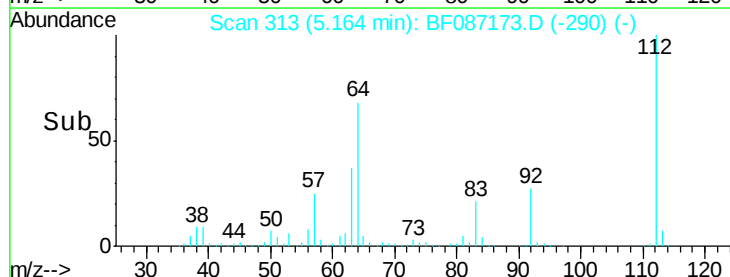
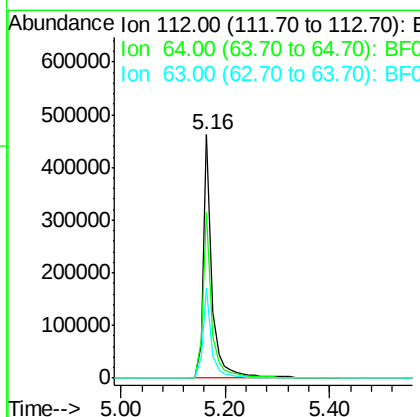
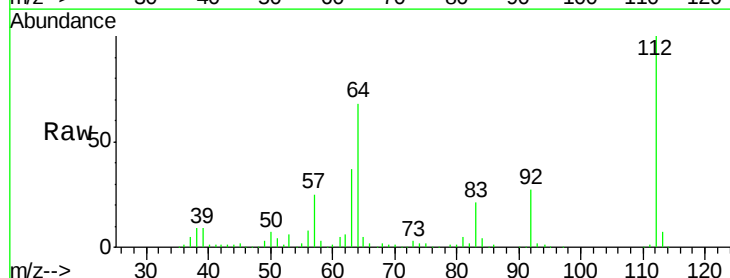
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06RR

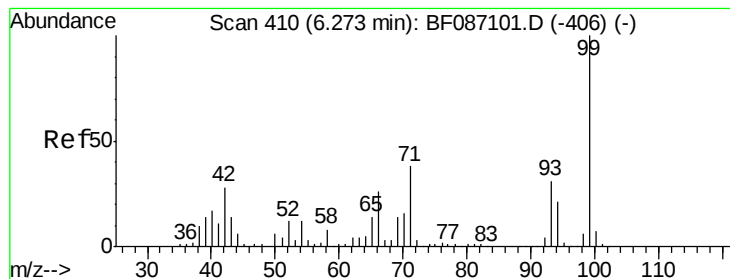
Tgt Ion:152 Resp: 118236  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 125.8 188.6  
 115 55.6 51.5 77.3



#5  
 2-Fluorophenol  
 Concen: 76.90 ng  
 RT: 5.16 min Scan# 313  
 Delta R.T. -0.03 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

Tgt Ion:112 Resp: 540973  
 Ion Ratio Lower Upper  
 112 100  
 64 68.1 52.1 78.1  
 63 36.9 25.7 38.5





#7

Phenol-d6

Concen: 49.50 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

Instrument :

BNA\_F

ClientSampled :

W-06RR

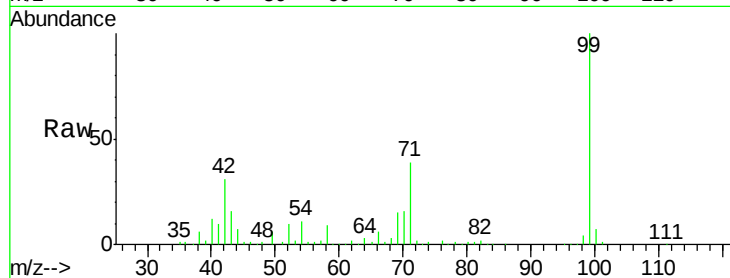
Tgt Ion: 99 Resp: 466967

Ion Ratio Lower Upper

99 100

42 31.2 13.6 20.4#

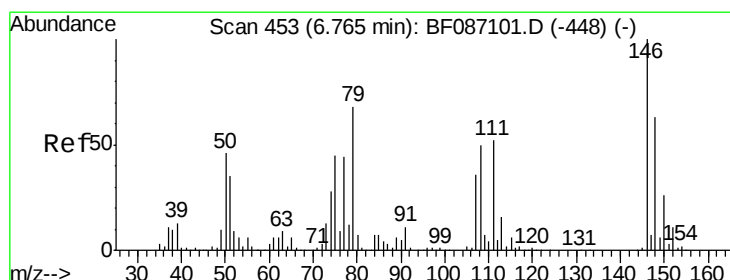
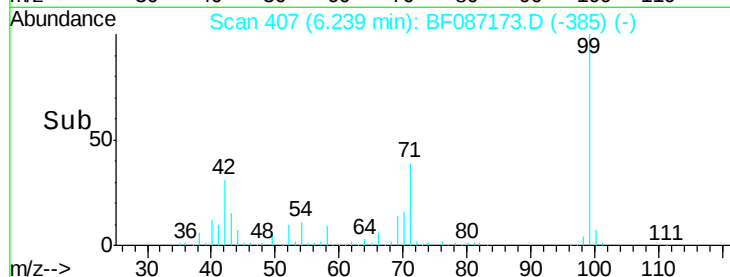
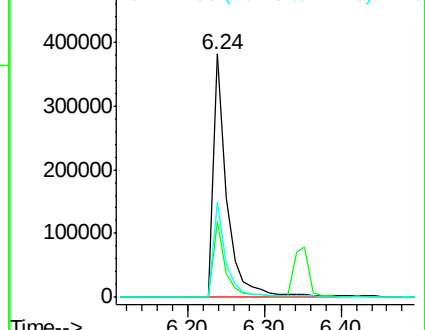
71 39.0 24.6 36.8#



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: 2.70 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

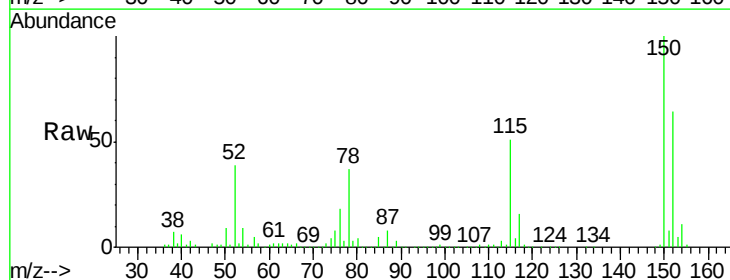
Tgt Ion: 79 Resp: 18972

Ion Ratio Lower Upper

79 100

108 27.9 68.4 102.6#

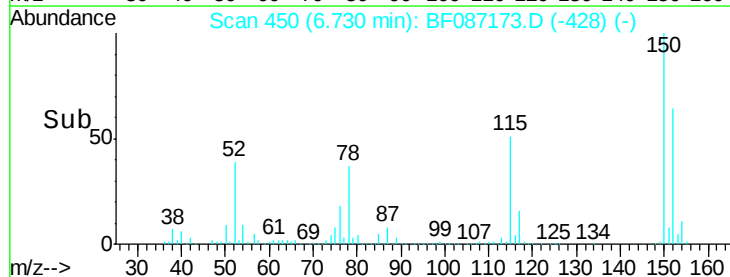
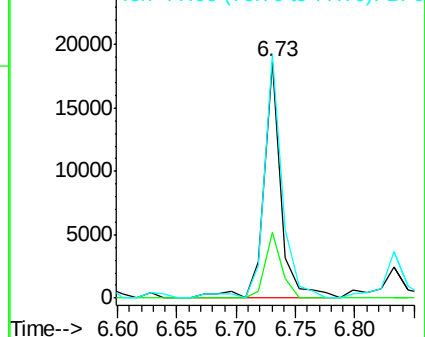
77 103.2 50.6 76.0#

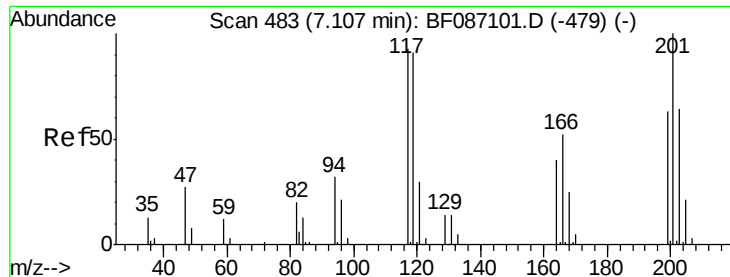


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

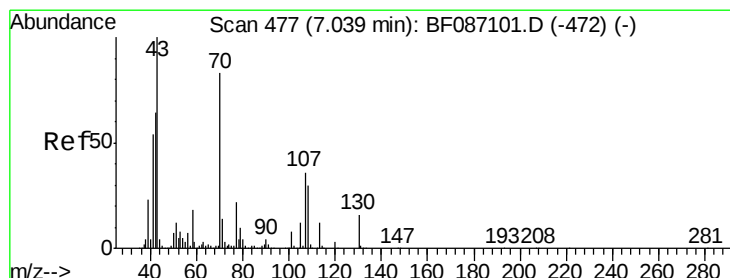
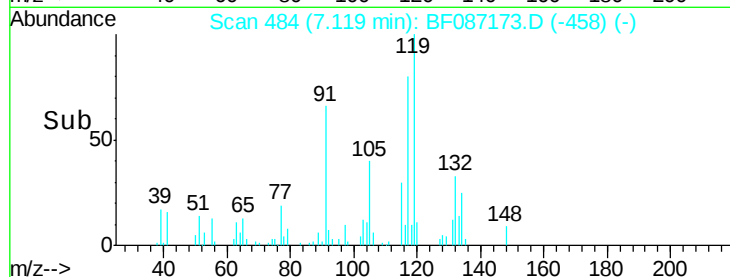
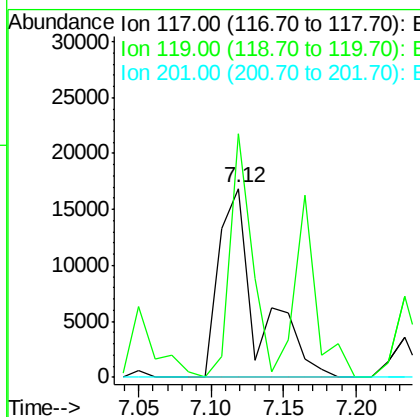
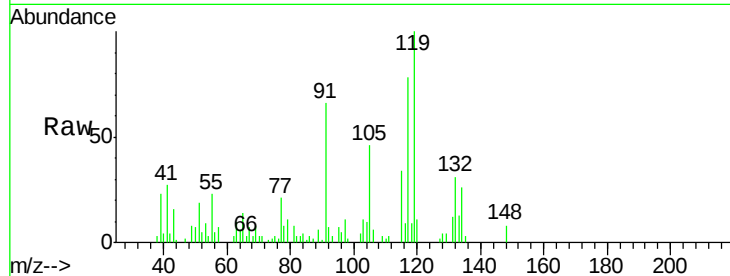




#18  
Hexachloroethane  
Concen: 8.86 ng  
RT: 7.12 min Scan# 484  
Delta R.T. 0.00 min  
Lab File: BF087173.D  
Acq: 19 May 2016 6:16

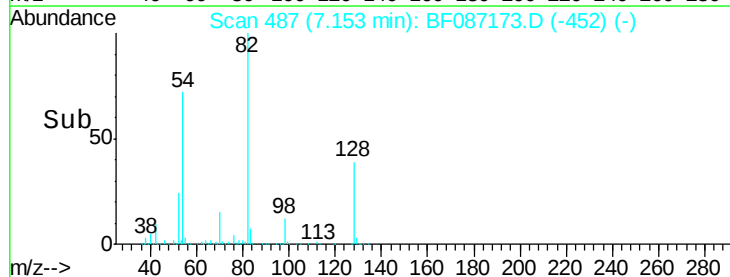
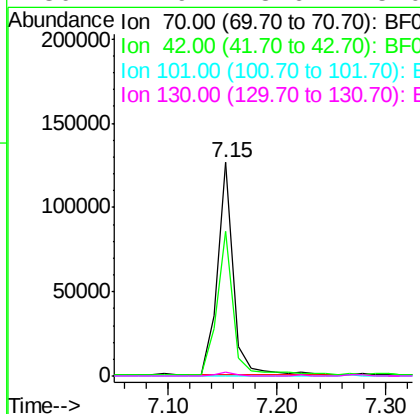
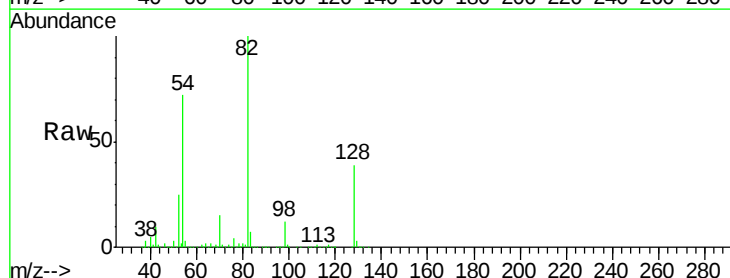
Instrument :  
BNA\_F  
ClientSampleId :  
W-06RR

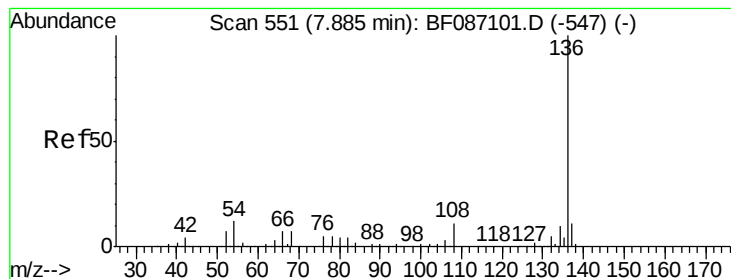
Tgt Ion: 117 Resp: 31542  
Ion Ratio Lower Upper  
117 100  
119 129.0 76.5 114.7#  
201 0.0 63.0 94.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.21 ng  
RT: 7.15 min Scan# 487  
Delta R.T. 0.10 min  
Lab File: BF087173.D  
Acq: 19 May 2016 6:16

Tgt Ion: 70 Resp: 130585  
Ion Ratio Lower Upper  
70 100  
42 67.6 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

Instrument :

BNA\_F

ClientSampleId :

W-06RR

Tgt Ion: 136 Resp: 474326

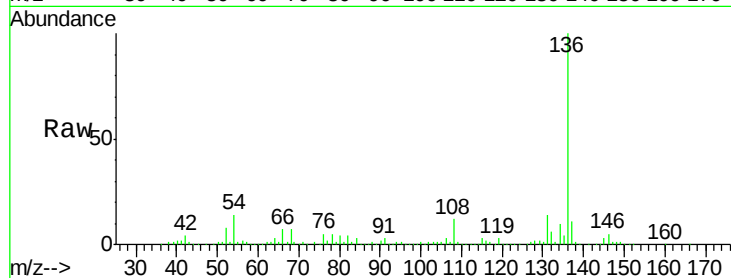
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.8 5.0 7.4#

68 7.3 4.4 6.6#

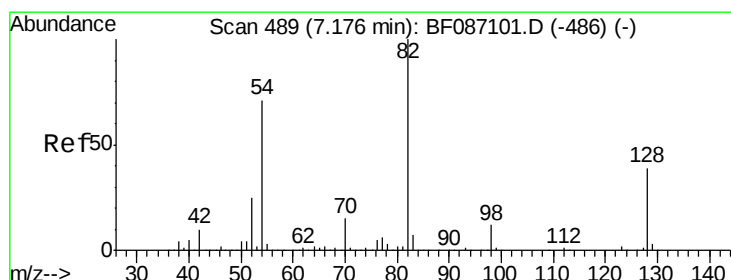
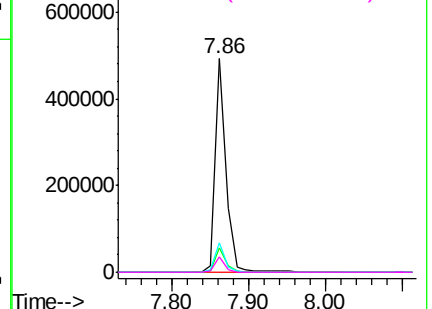
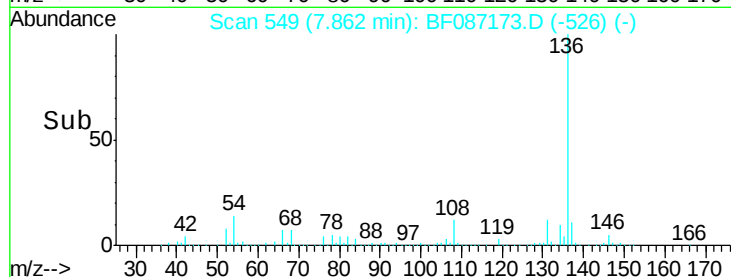


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.34 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

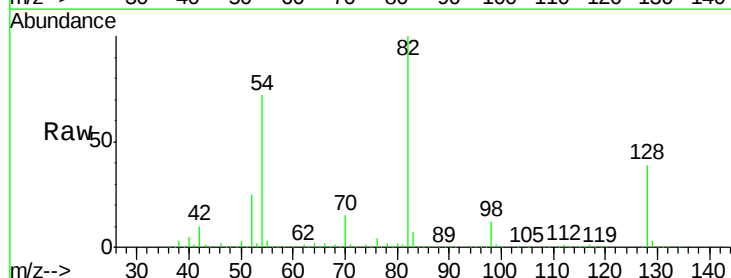
Tgt Ion: 82 Resp: 916908

Ion Ratio Lower Upper

82 100

128 39.0 40.6 61.0#

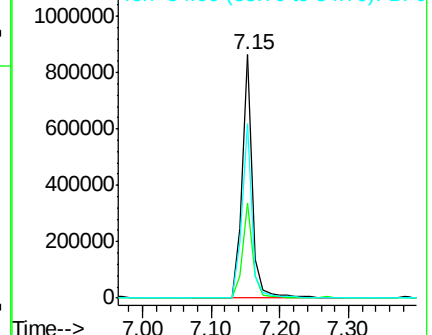
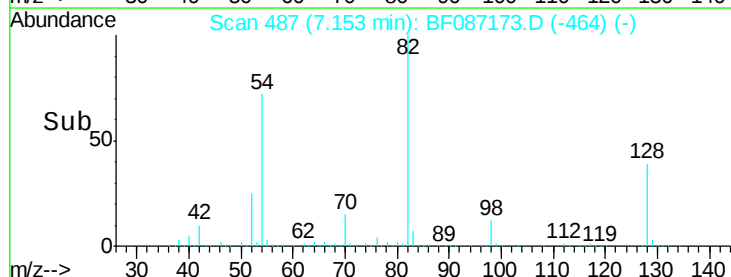
54 71.7 38.1 57.1#

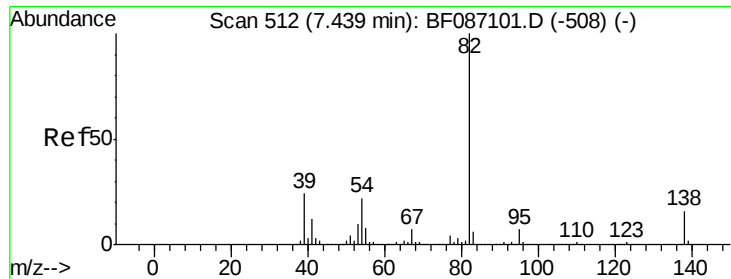


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.59 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

Instrument :

BNA\_F

ClientSampleId :

W-06RR

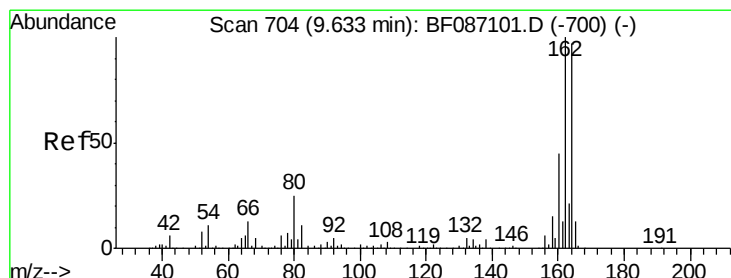
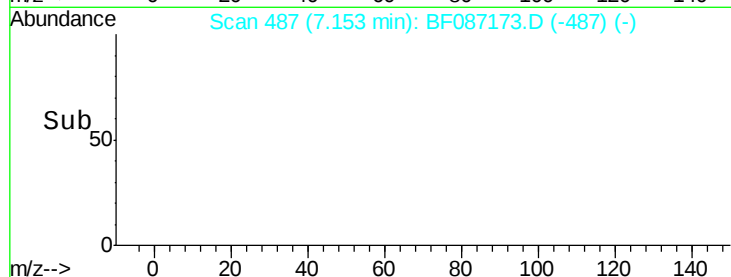
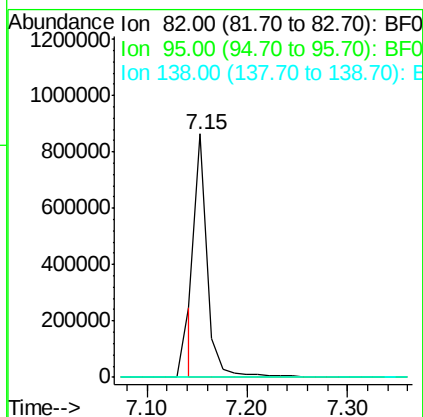
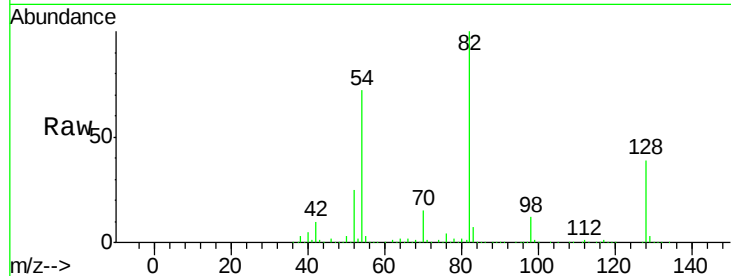
Tgt Ion: 82 Resp: 724639

Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

138 0.0 12.4 18.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

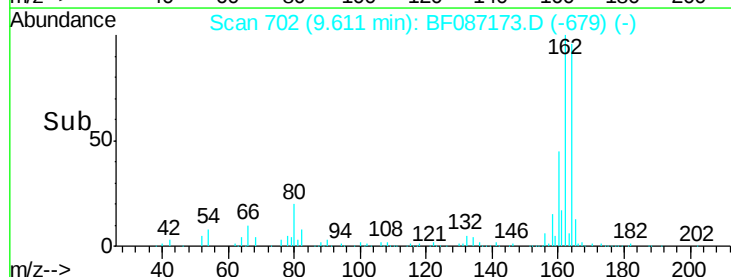
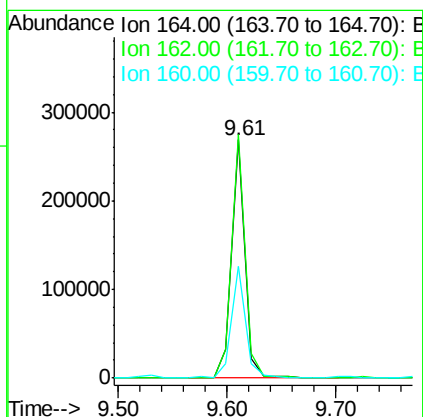
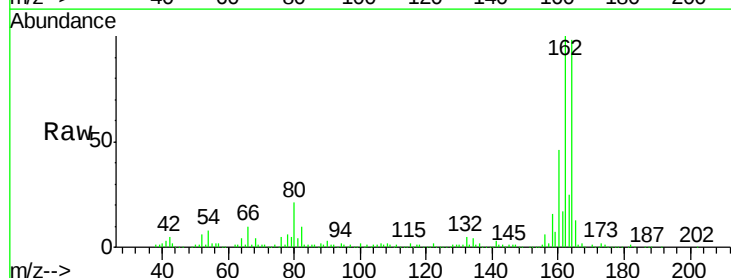
Tgt Ion: 164 Resp: 227930

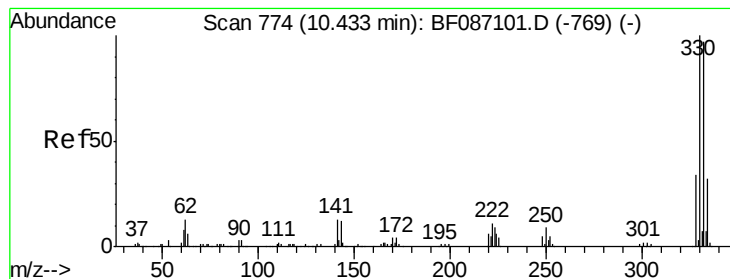
Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

160 46.7 36.9 55.3

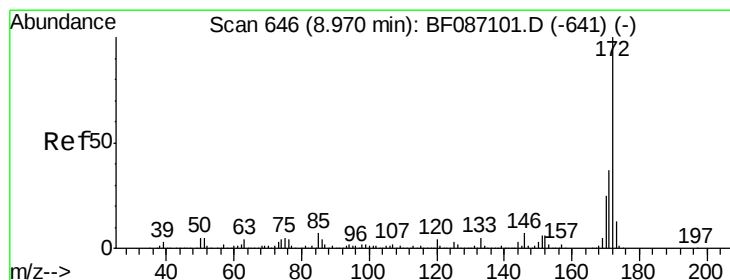
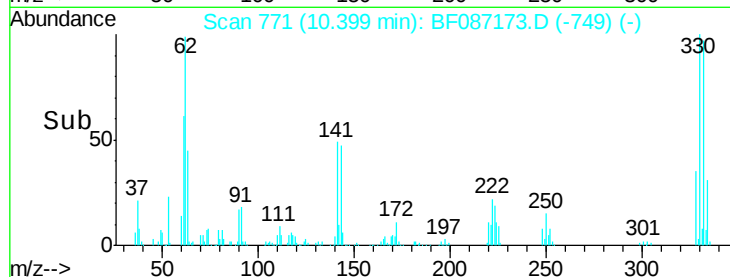
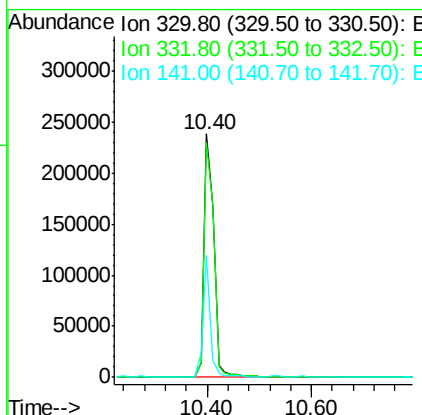
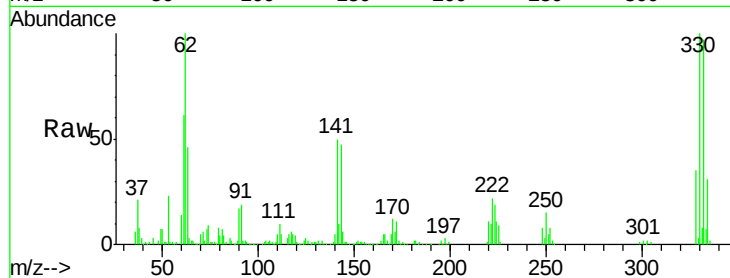




#41  
 2,4,6-Tribromophenol  
 Concen: 124.17 ng  
 RT: 10.40 min Scan# 771  
 Delta R.T. -0.05 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

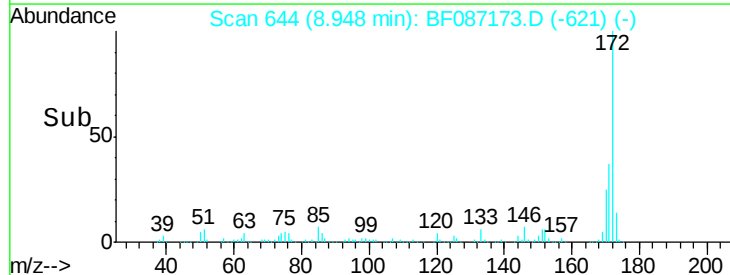
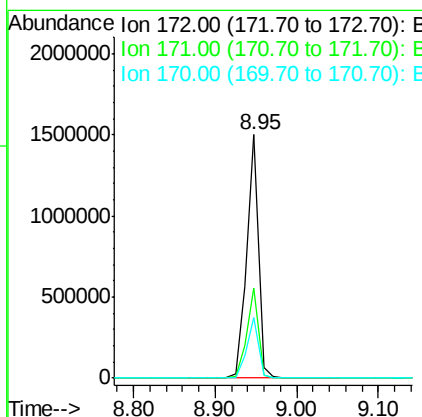
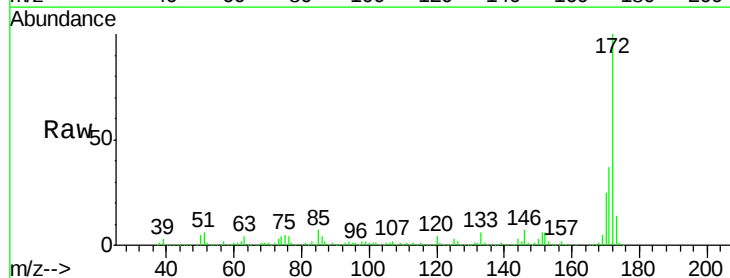
Instrument :  
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 ClientSampleId :  
 W-06RR

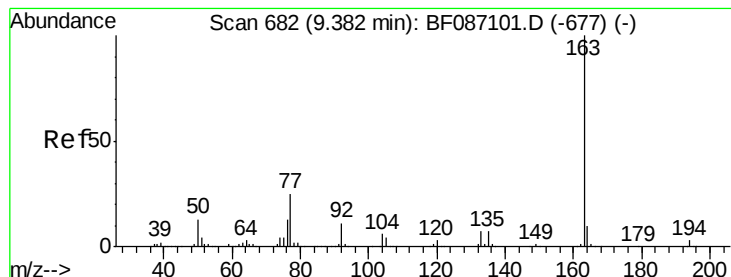
Tgt Ion:330 Resp: 312741  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 79.0 118.4  
 141 36.9 31.2 46.8



#44  
 2-Fluorobiphenyl  
 Concen: 109.02 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. -0.03 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

Tgt Ion:172 Resp: 1500355  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.0 43.6  
 170 24.9 19.8 29.8





#49

Dimethylphthalate

Concen: 2.71 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

Instrument :

BNA\_F

ClientSampleId :

W-06RR

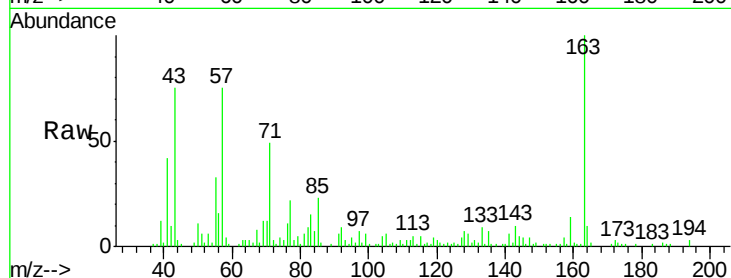
Tgt Ion:163 Resp: 47046

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

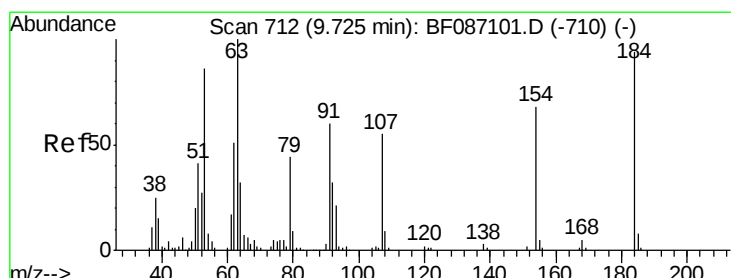
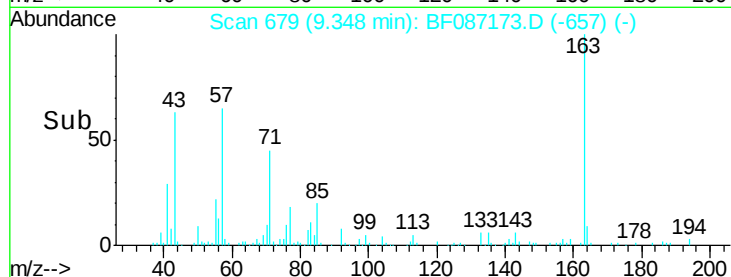
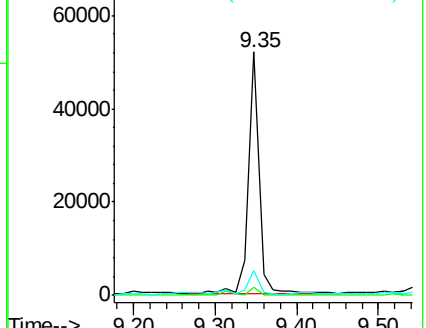
164 10.0 8.2 12.4



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



#53

2,4-Dinitrophenol

Concen: 4.83 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.07 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

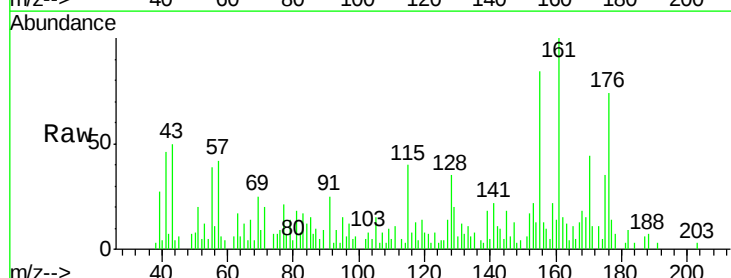
Tgt Ion:184 Resp: 210

Ion Ratio Lower Upper

184 100

63 615.0 55.8 83.8#

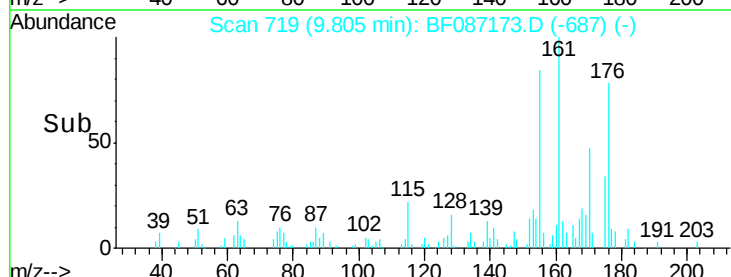
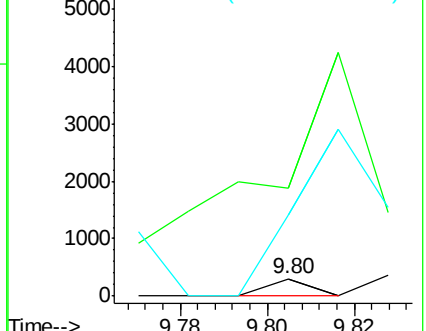
154 464.7 62.4 93.6#

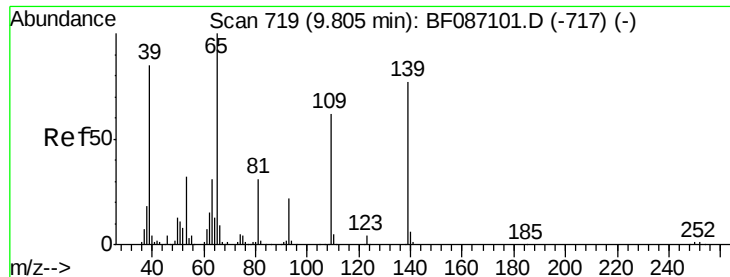


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

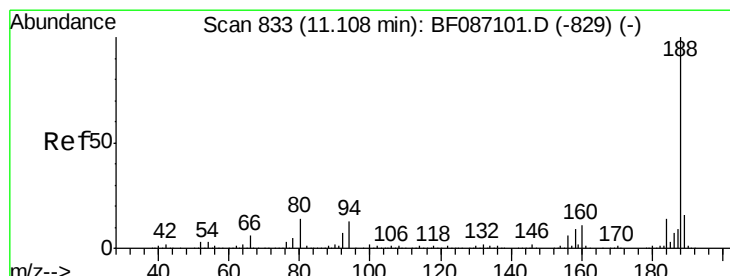
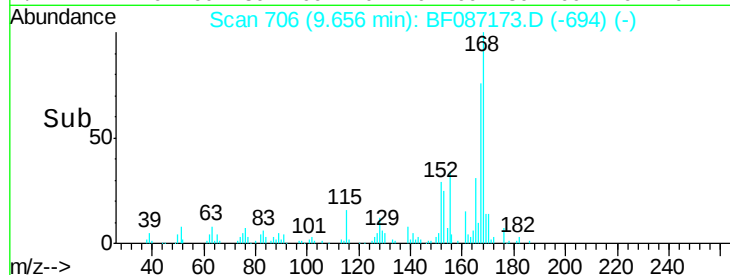
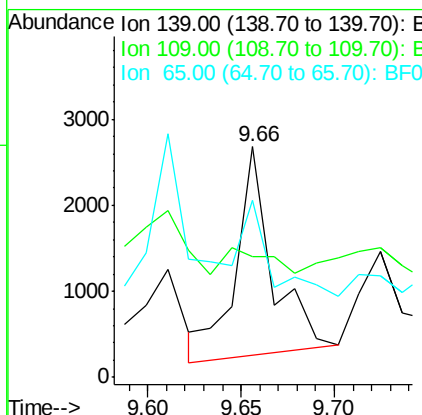
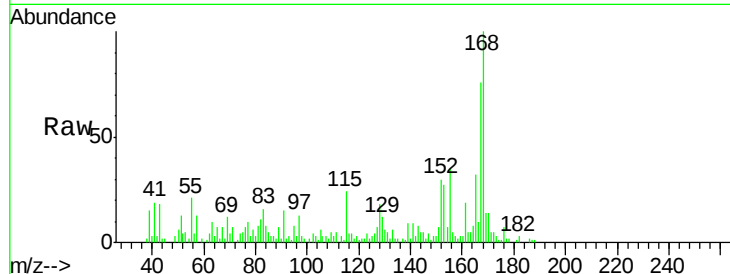




#55  
4-Nitrophenol  
Concen: 2.75 ng  
RT: 9.66 min Scan# 706  
Delta R.T. -0.16 min  
Lab File: BF087173.D  
Acq: 19 May 2016 6:16

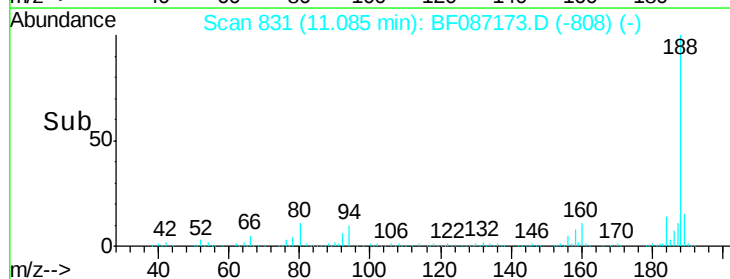
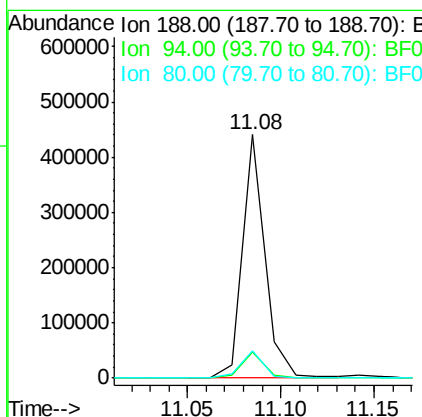
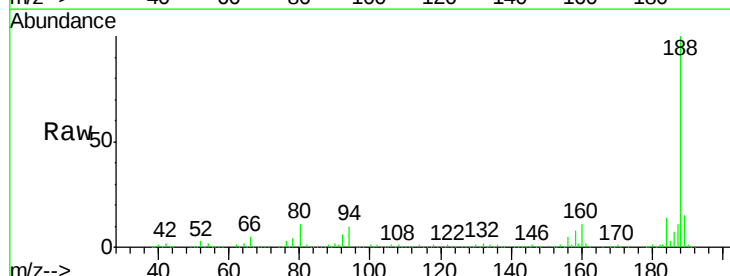
Instrument :  
BNA\_F  
ClientSampleId :  
W-06RR

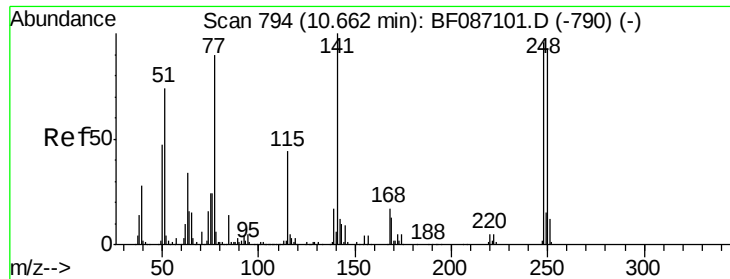
Tgt Ion:139 Resp: 3344  
Ion Ratio Lower Upper  
139 100  
109 52.1 36.9 76.9  
65 76.5 64.0 104.0



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.08 min Scan# 831  
Delta R.T. -0.03 min  
Lab File: BF087173.D  
Acq: 19 May 2016 6:16

Tgt Ion:188 Resp: 371877  
Ion Ratio Lower Upper  
188 100  
94 10.5 6.8 10.2#  
80 11.4 7.1 10.7#





#66

4-Bromophenyl-phenylether

Concen: 4.86 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

Instrument :

BNA\_F

ClientSampleId :

W-06RR

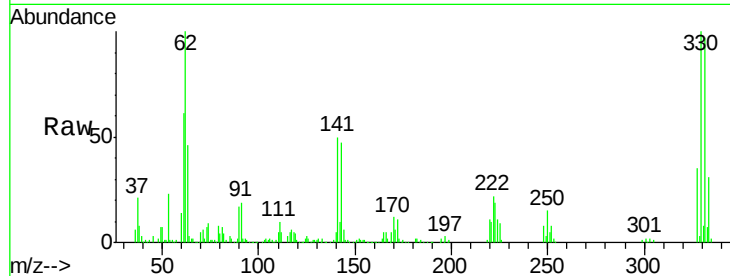
Tgt Ion:248 Resp: 18594

Ion Ratio Lower Upper

248 100

250 195.2 78.6 117.8#

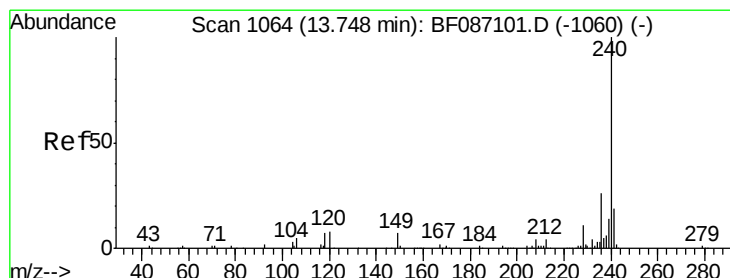
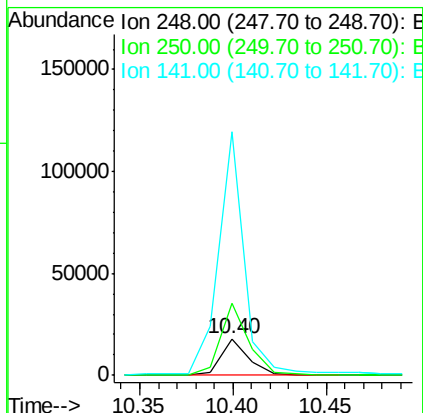
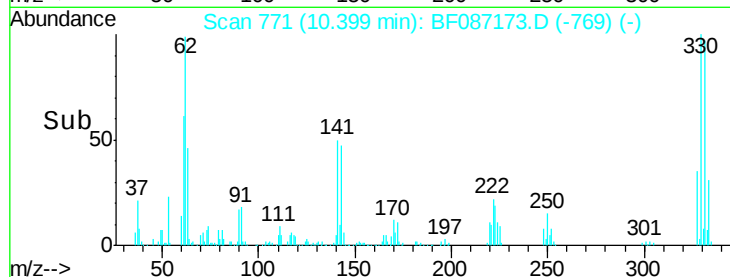
141 660.5 76.0 114.0#



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: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087173.D

Acq: 19 May 2016 6:16

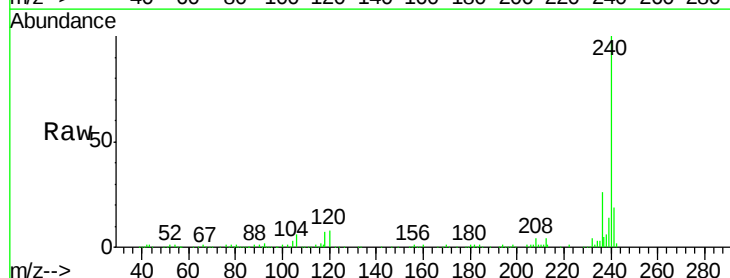
Tgt Ion:240 Resp: 275043

Ion Ratio Lower Upper

240 100

120 8.1 11.2 16.8#

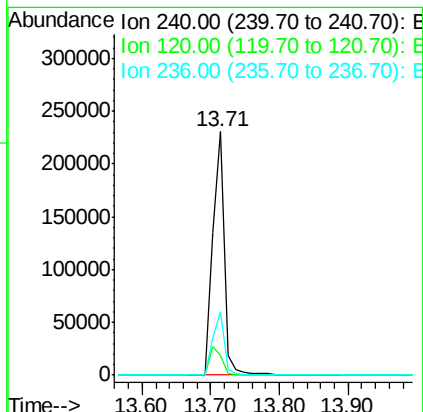
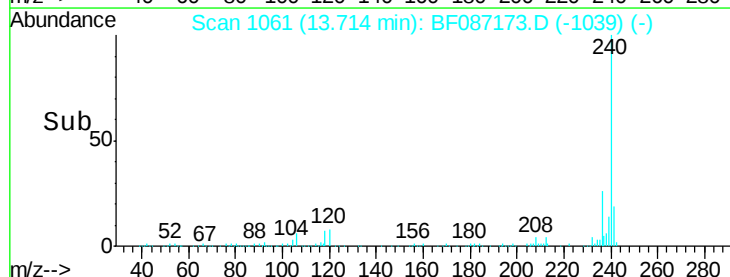
236 25.7 21.2 31.8

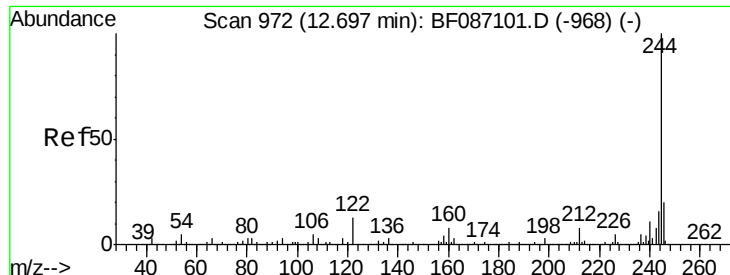


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

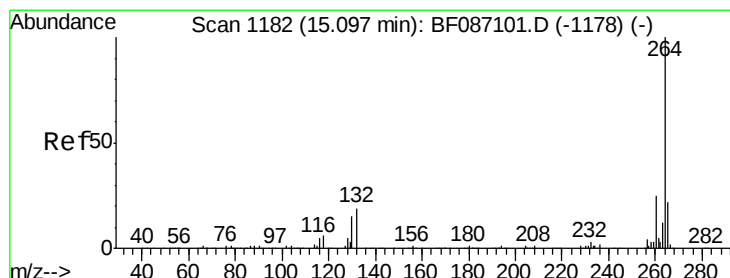
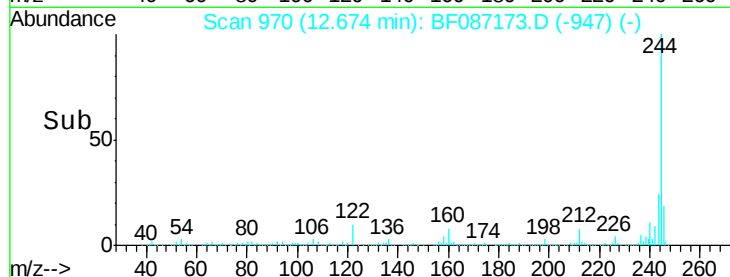
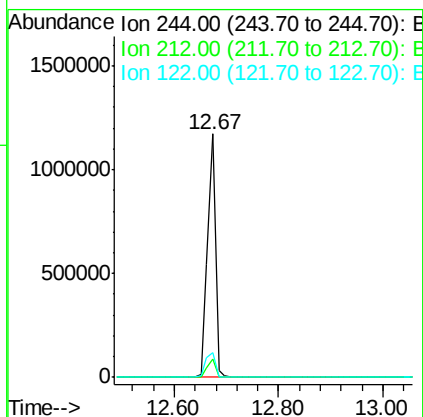
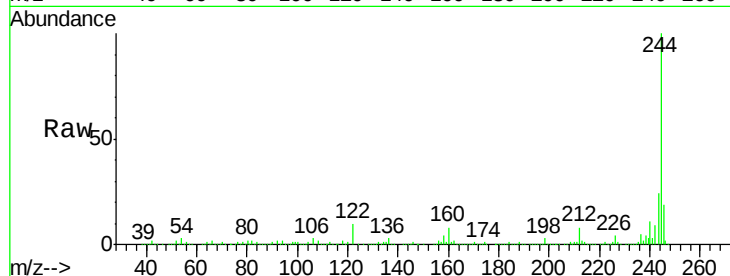




#78  
 Terphenyl-d14  
 Concen: 100.91 ng  
 RT: 12.67 min Scan# 970  
 Delta R.T. -0.03 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-06RR

Tgt Ion:244 Resp: 1226898  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 10.2 12.0 18.0#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.06 min Scan# 1179  
 Delta R.T. -0.05 min  
 Lab File: BF087173.D  
 Acq: 19 May 2016 6:16

Tgt Ion:264 Resp: 285118  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 21.8 17.3 25.9

