

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\  
 Data File : BF088483.D  
 Acq On : 28 Jun 2016 8:00  
 Operator : UM/SJ  
 Sample : H3766-03 50X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 4A

Quant Time: Jun 28 08:24:59 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 28 05:25:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.56  | 152  | 224      | 20.00 | ng    | 0.01     |
| 21) Naphthalene-d8        | 7.84  | 136  | 3901     | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.58  | 164  | 2265     | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.06 | 188  | 2804     | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.69 | 240  | 3651     | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.05 | 264  | 3228     | 20.00 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00   | ng    |          |
| 7) Phenol-d6                | 6.32  | 99   | 1639     | 103.21 | ng    | 0.09     |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 439      | 6.57   | ng    | 0.08     |
| 41) 2,4,6-Tribromophenol    | 10.38 | 330  | 309      | 12.92  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.91  | 172  | 5241     | 32.96  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.63 | 244  | 3461     | 21.57  | ng    | -0.01    |

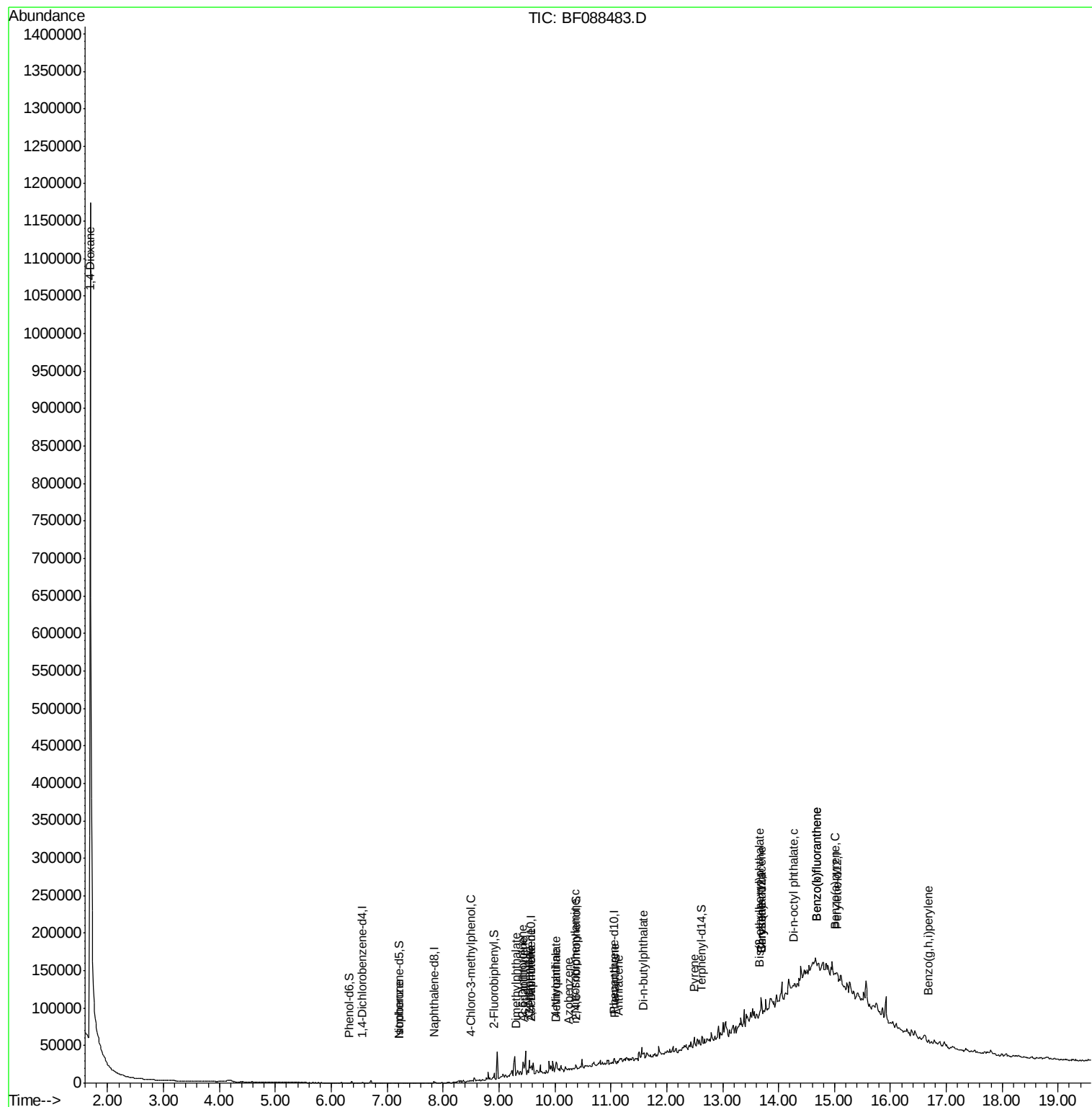
| Target Compounds               | R.T.  | QIon | Response | Conc     | Units | Qvalue |
|--------------------------------|-------|------|----------|----------|-------|--------|
| 2) 1,4-Dioxane                 | 1.69  | 88   | 68843    | 10812.83 | ng    | # 97   |
| 25) Isophorone                 | 7.21  | 82   | 439      | 3.55     | ng    | # 65   |
| 36) 4-Chloro-3-methylphenol    | 8.50  | 107  | 235      | 4.12     | ng    | # 19   |
| 48) Acenaphthylene             | 9.44  | 152  | 1452     | 6.23     | ng    | # 2    |
| 49) Dimethylphthalate          | 9.31  | 163  | 2011     | 12.26    | ng    | # 77   |
| 50) 2,6-Dinitrotoluene         | 9.43  | 165  | 270      | 7.19     | ng    | # 37   |
| 52) 3-Nitroaniline             | 9.54  | 138  | 423      | 9.76     | ng    | # 1    |
| 56) 2,4-Dinitrotoluene         | 9.58  | 165  | 336      | 6.96     | ng    | # 36   |
| 59) Diethylphthalate           | 10.01 | 149  | 1121     | 6.75     | ng    | # 60   |
| 61) 4-Nitroaniline             | 10.02 | 138  | 356      | 8.66     | ng    | # 22   |
| 62) Azobenzene                 | 10.25 | 77   | 457      | 2.78     | ng    | # 30   |
| 65) n-Nitrosodiphenylamine     | 10.36 | 169  | 244      | 2.62     | ng    | # 9    |
| 70) Phenanthrene               | 11.07 | 178  | 523      | 3.55     | ng    | # 10   |
| 71) Anthracene                 | 11.14 | 178  | 1256     | 8.46     | ng    | # 14   |
| 73) Di-n-butylphthalate        | 11.58 | 149  | 537      | 3.05     | ng    | # 77   |
| 77) Pyrene                     | 12.49 | 202  | 7102     | 26.21    | ng    | # 92   |
| 80) Benzo(a)anthracene         | 13.69 | 228  | 8169     | 39.26    | ng    | # 53   |
| 82) Chrysene                   | 13.69 | 228  | 8169     | 41.73    | ng    | # 60   |
| 83) Bis(2-ethylhexyl)phthalate | 13.67 | 149  | 402      | 2.76     | ng    | # 65   |
| 84) Di-n-octyl phthalate       | 14.27 | 149  | 548      | 2.31     | ng    | # 100  |
| 87) Benzo(b)fluoranthene       | 14.69 | 252  | 3197     | 14.21    | ng    | # 1    |
| 88) Benzo(k)fluoranthene       | 14.69 | 252  | 3197     | 18.84    | ng    | # 1    |
| 89) Benzo(a)pyrene             | 15.01 | 252  | 1761     | 9.67     | ng    | # 1    |
| 91) Benzo(g,h,i)perylene       | 16.69 | 276  | 768      | 4.42     | ng    | # 12   |

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

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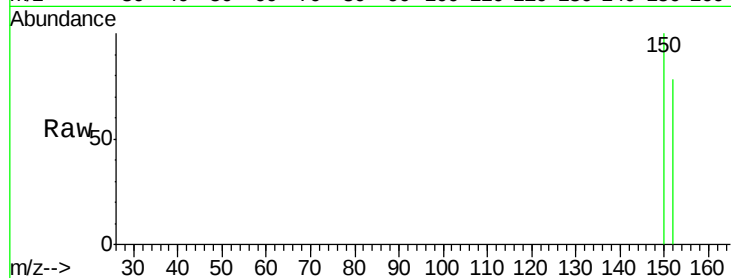


#1

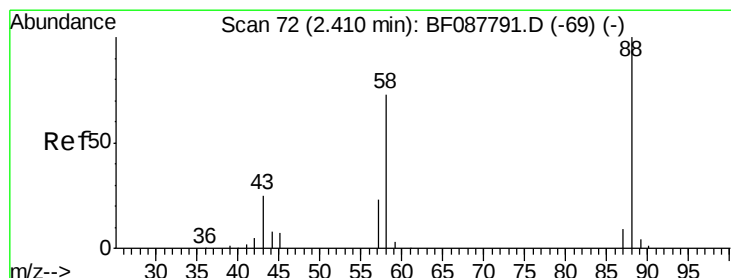
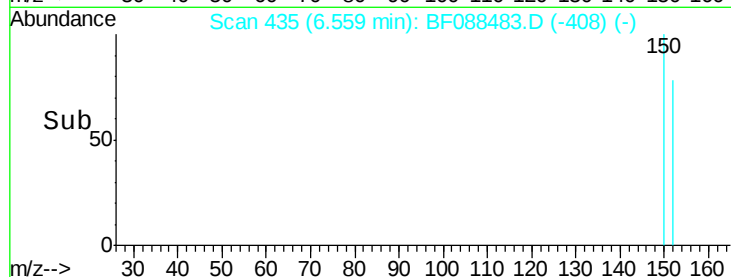
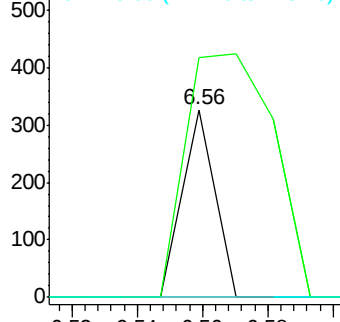
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.56 min Scan# 435  
Delta R.T. 0.01 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

Instrument :  
BNA\_F  
ClientSampled :  
4A

Tot Ion:152 Resp: 224  
Ion Ratio Lower Upper  
152 100  
150 127.5 123.8 185.6  
115 0.0 39.6 59.4#



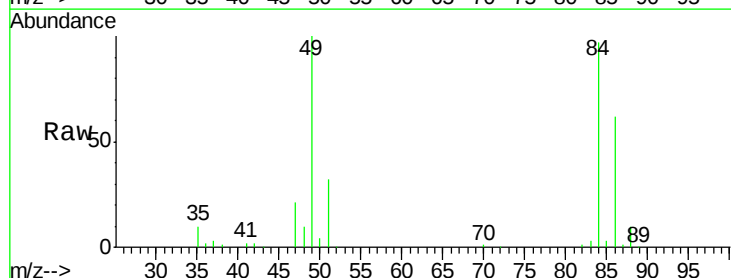
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



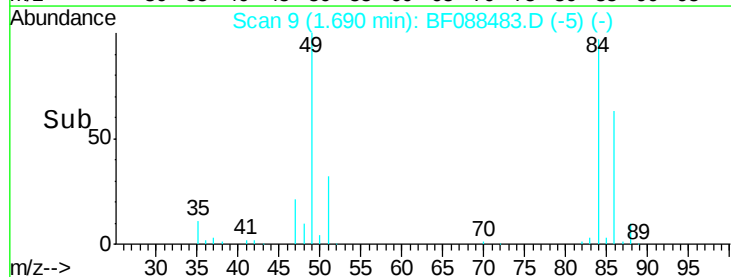
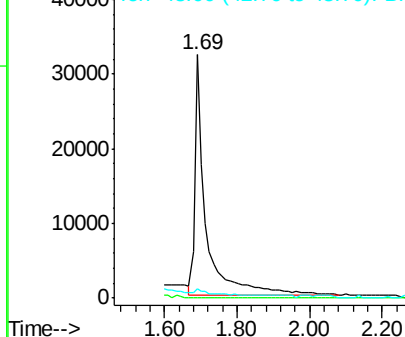
#2

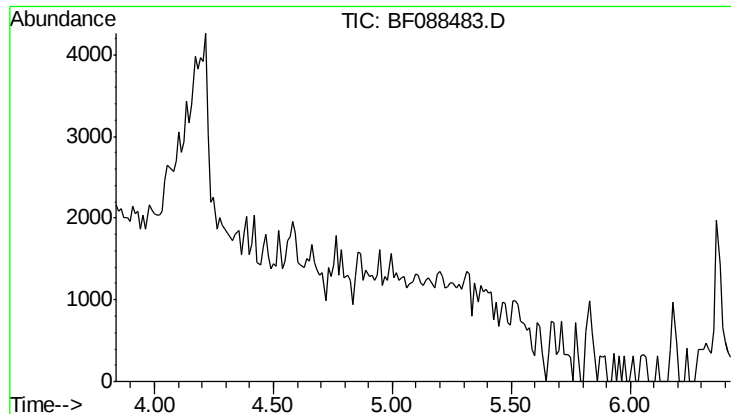
1,4-Dioxane  
Concen: 10812.83 ng  
RT: 1.69 min Scan# 9  
Delta R.T. -0.25 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

Tgt Ion: 88 Resp: 68843  
Ion Ratio Lower Upper  
88 100  
58 0.0 0.0 0.0  
43 3.4 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0

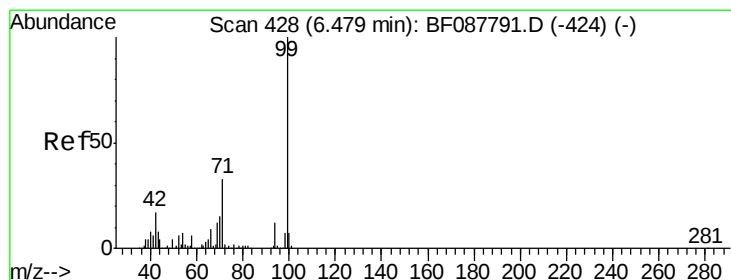
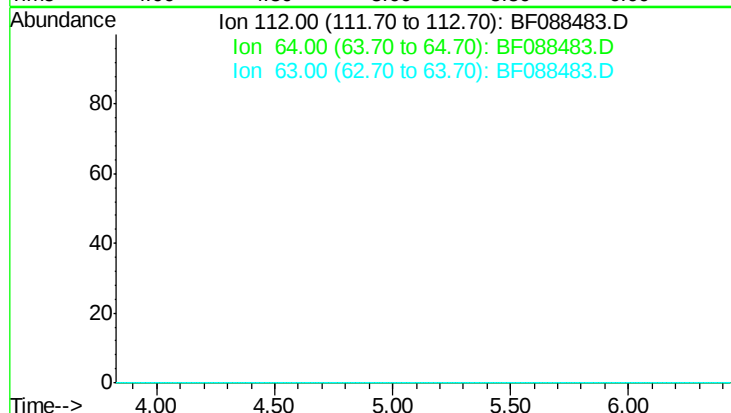




#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.13 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

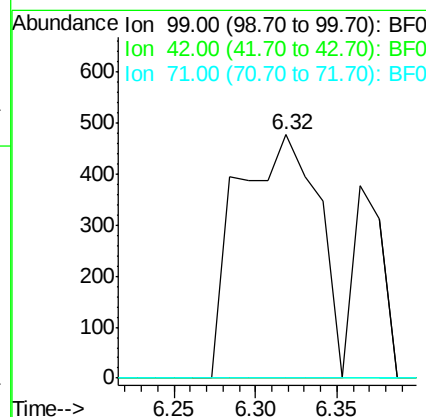
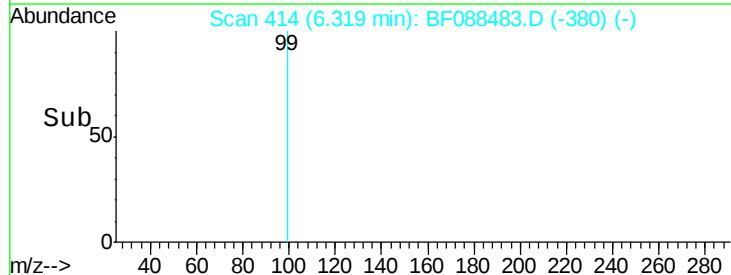
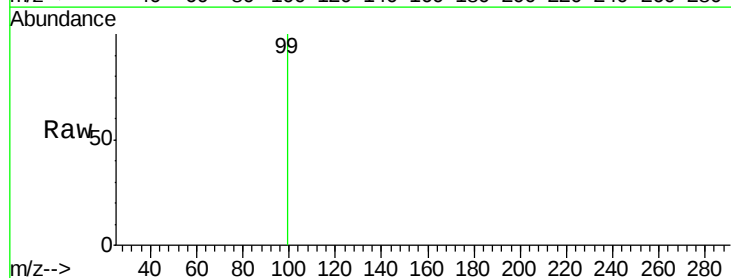
Instrument :  
 BNA\_F  
 ClientSampleId :  
 4A

| Tot Ion   | 112  |
|-----------|------|
| Exp Ratio | 100  |
| 64        | 52.7 |
| 63        | 27.3 |



#7  
 Phenol-d6  
 Concen: 103.21 ng  
 RT: 6.32 min Scan# 414  
 Delta R.T. 0.09 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

| Tgt Ion   | 99    | Resp  | 1639  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 12.2  | 18.2# |
| 71        | 0.0   | 23.4  | 35.0# |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

Tot Ion:136 Resp: 3901

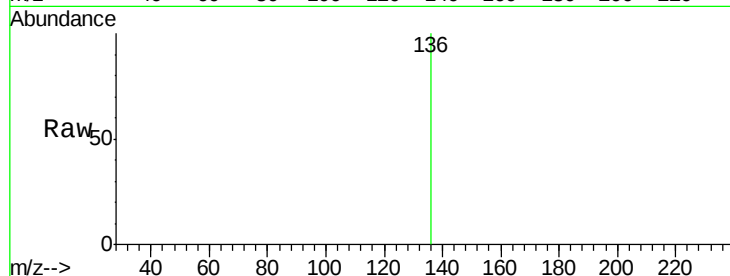
Ion Ratio Lower Upper

136 100

137 0.0 9.1 13.7#

54 0.0 6.6 10.0#

68 0.0 5.1 7.7#

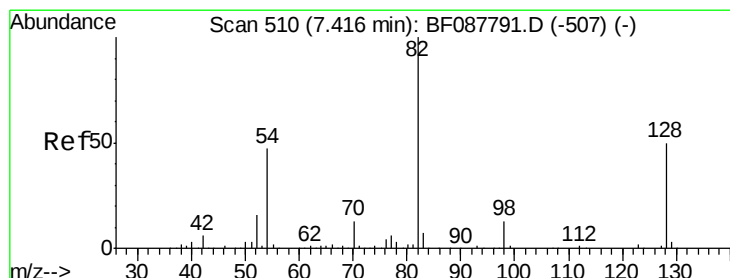
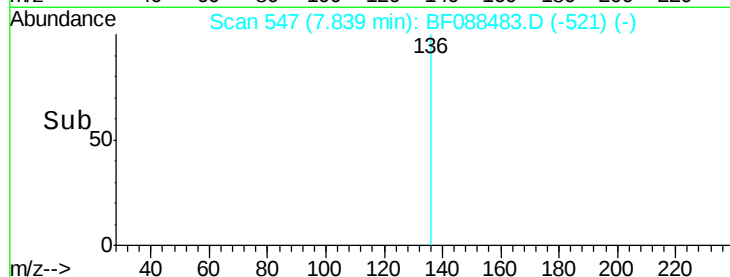
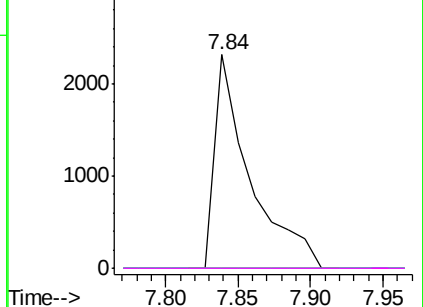


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.57 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.08 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

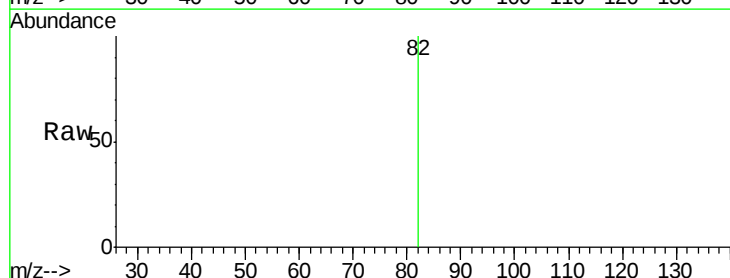
Tgt Ion: 82 Resp: 439

Ion Ratio Lower Upper

82 100

128 0.0 35.9 53.9#

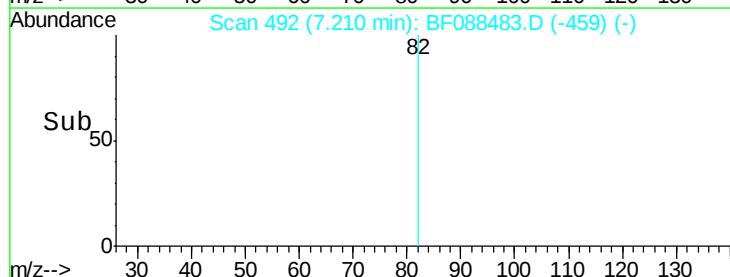
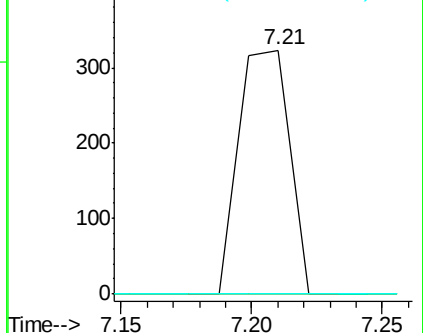
54 0.0 40.9 61.3#

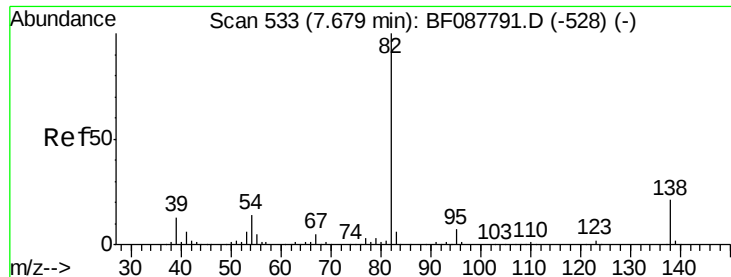


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.55 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.18 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

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ClientSampleId :

4A

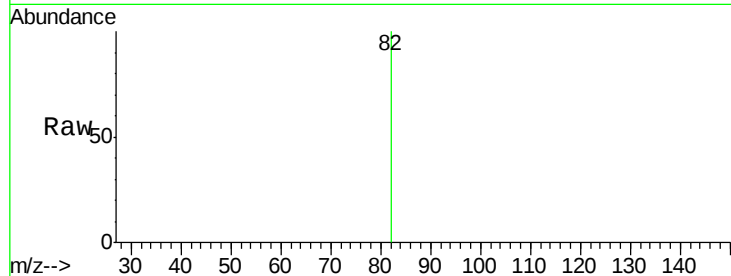
Tot Ion: 82 Resp: 439

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E

7.21

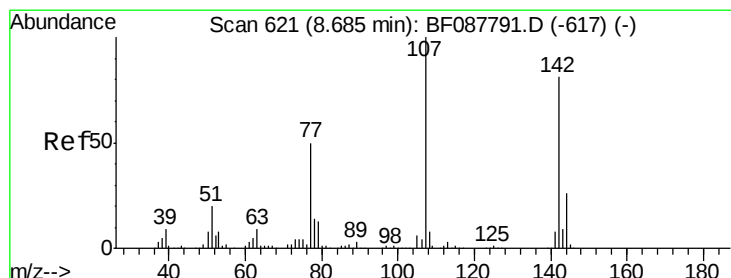
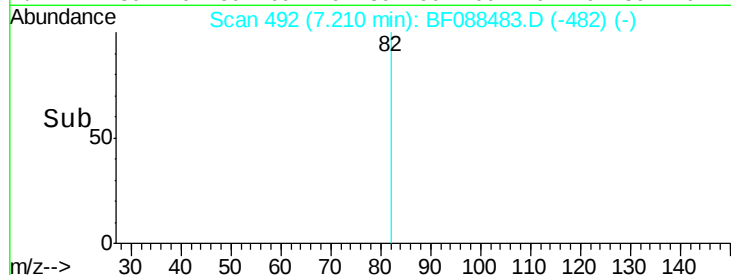
300

200

100

0

Time--> 7.15 7.20 7.25



#36

4-Chloro-3-methylphenol

Concen: 4.12 ng

RT: 8.50 min Scan# 605

Delta R.T. 0.07 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

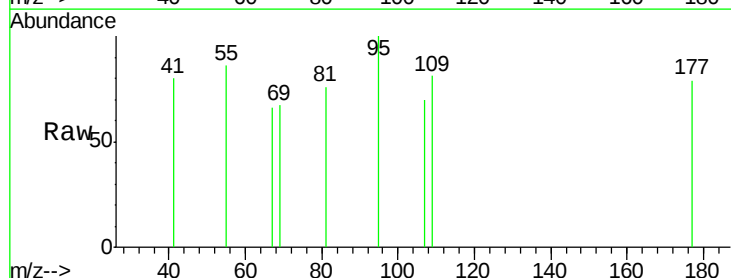
Tgt Ion: 107 Resp: 235

Ion Ratio Lower Upper

107 100

144 0.0 20.8 31.2#

142 0.0 63.4 95.2#



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E

8.50

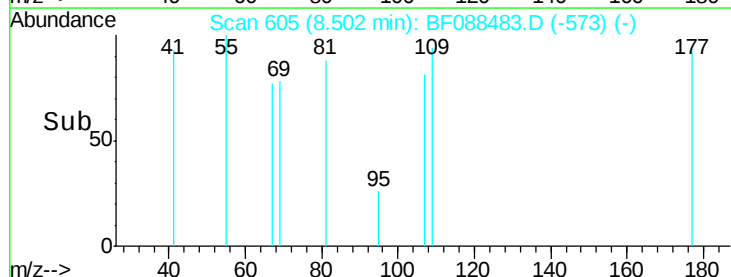
300

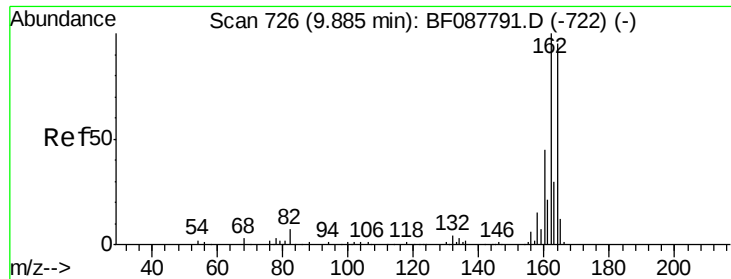
200

100

0

Time--> 8.46 8.48 8.50 8.52 8.54





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

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ClientSampleId :

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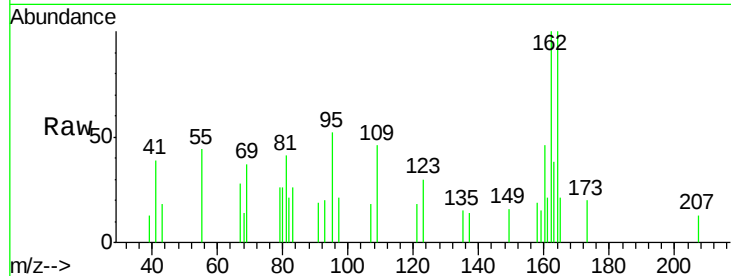
Tot Ion:164 Resp: 2265

Ion Ratio Lower Upper

164 100

162 99.9 85.4 128.2

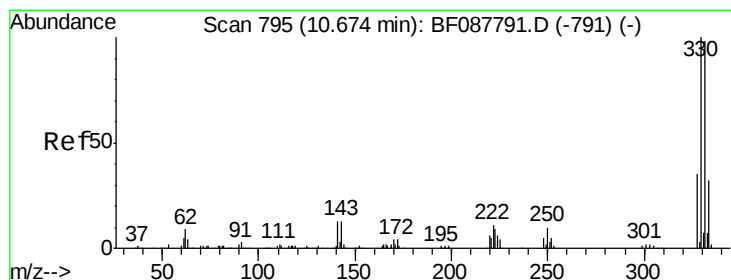
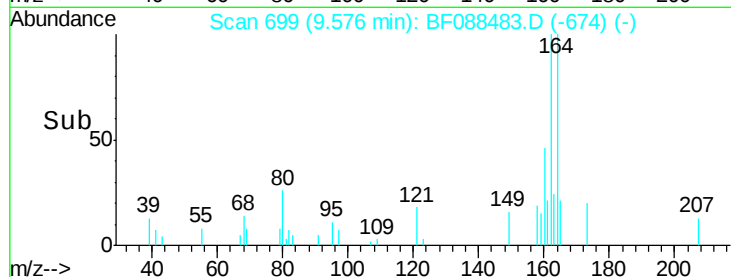
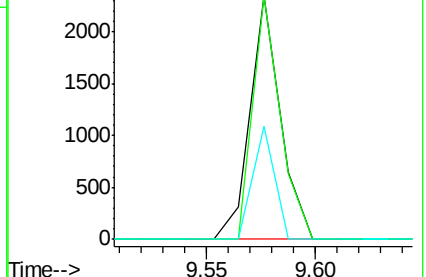
160 46.2 39.5 59.3



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: 12.92 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

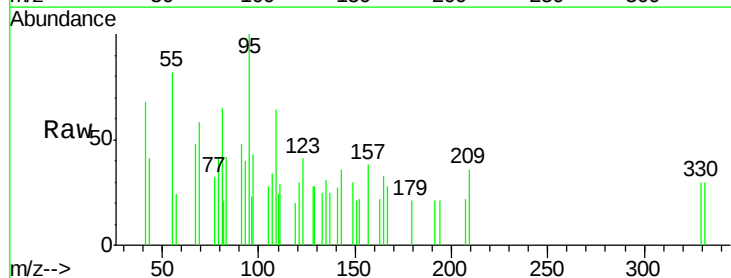
Tgt Ion:330 Resp: 309

Ion Ratio Lower Upper

330 100

332 166.0 0.0 0.0#

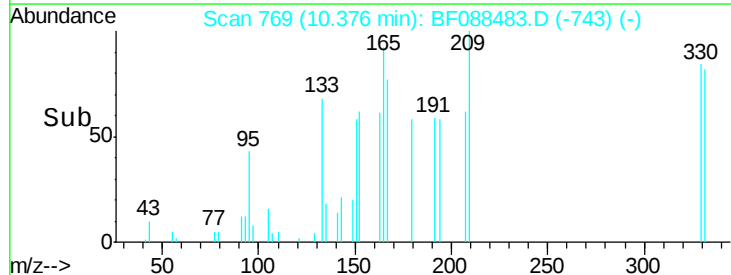
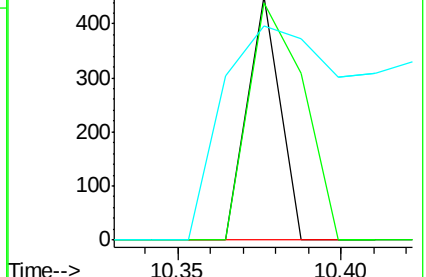
141 523.9 0.0 0.0#



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

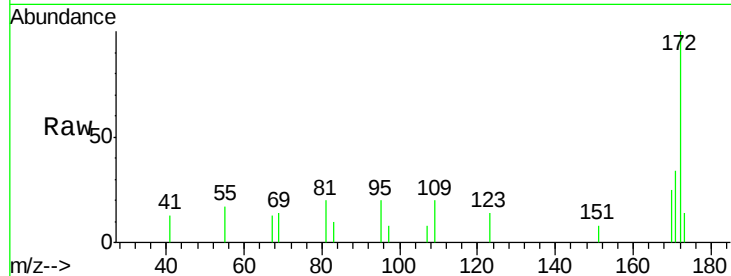




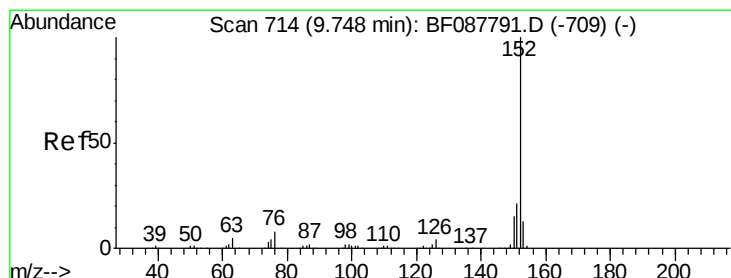
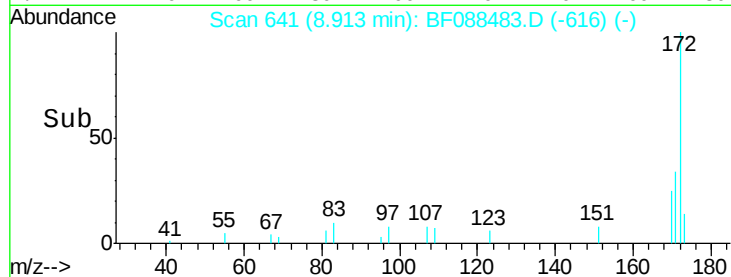
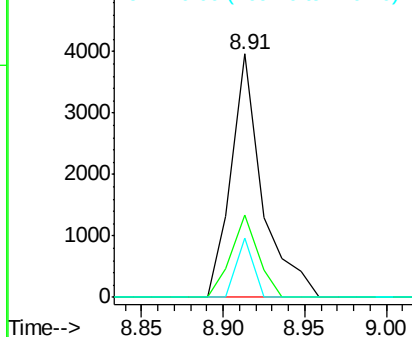
#44  
 2-Fluorobiphenyl  
 Concen: 32.96 ng  
 RT: 8.91 min Scan# 641  
 Delta R.T. -0.01 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 4A

Tot Ion:172 Resp: 5241  
 Ion Ratio Lower Upper  
 172 100  
 171 33.9 28.6 43.0  
 170 24.5 19.2 28.8

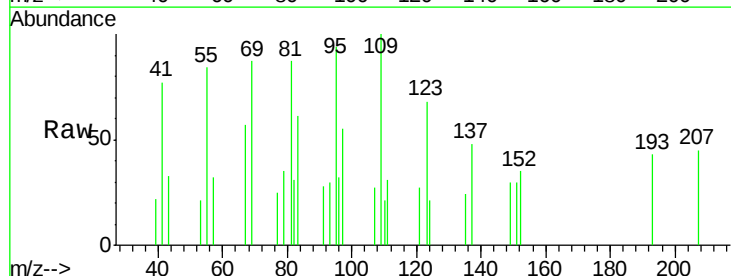


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

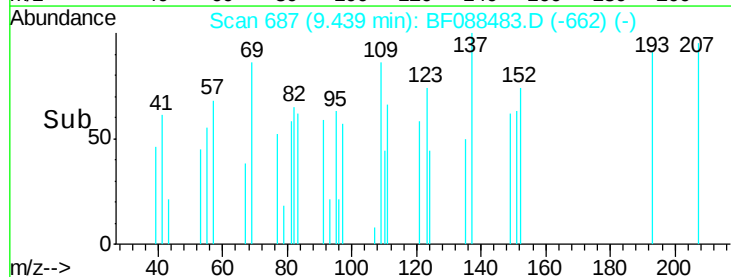
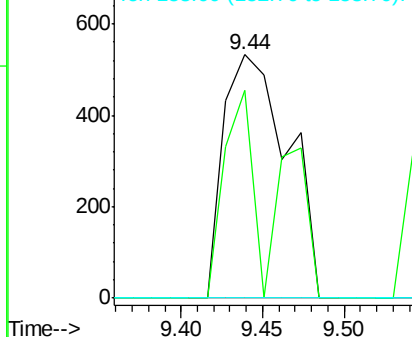


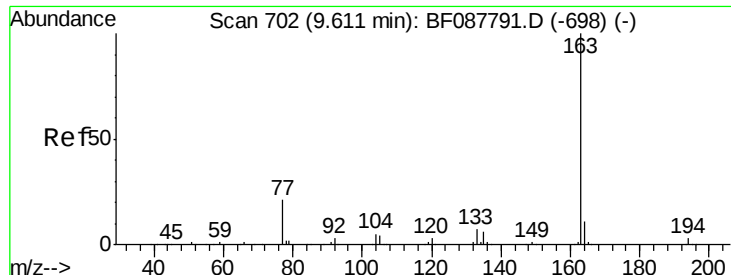
#48  
 Acenaphthylene  
 Concen: 6.23 ng  
 RT: 9.44 min Scan# 687  
 Delta R.T. -0.01 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

Tgt Ion:152 Resp: 1452  
 Ion Ratio Lower Upper  
 152 100  
 151 85.4 16.2 24.4#  
 153 0.0 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E  
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 12.26 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

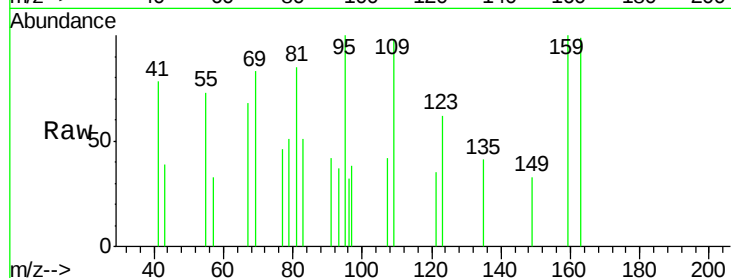
Tot Ion:163 Resp: 2011

Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

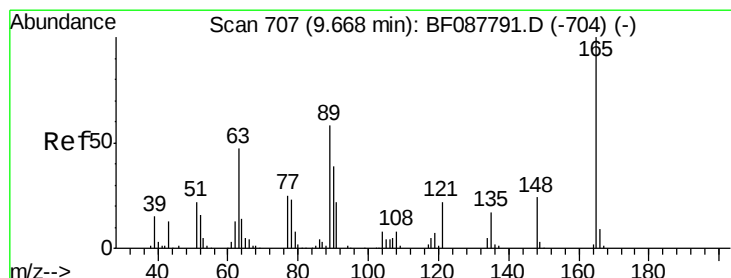
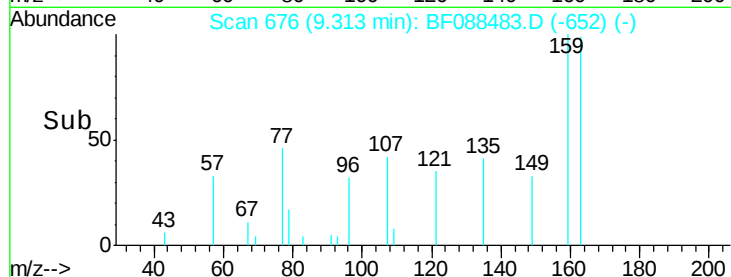
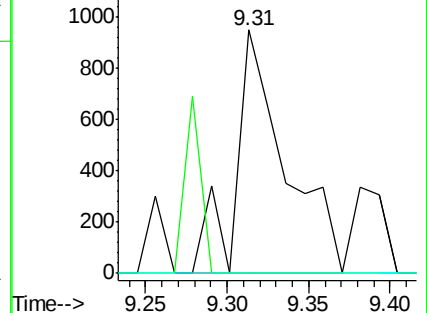
164 0.0 8.3 12.5#



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: 7.19 ng

RT: 9.43 min Scan# 686

Delta R.T. 0.03 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

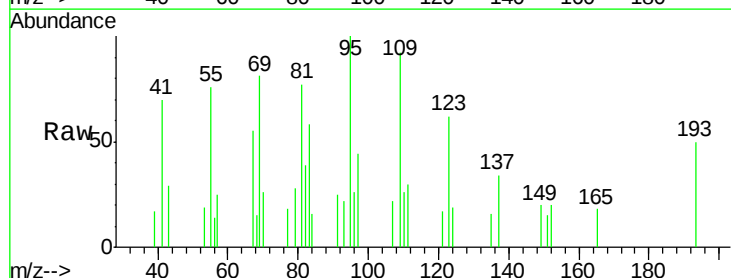
Tgt Ion:165 Resp: 270

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

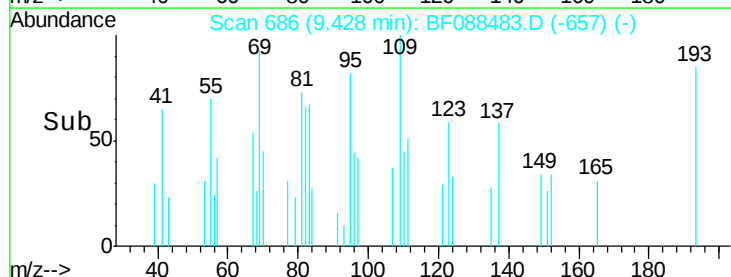
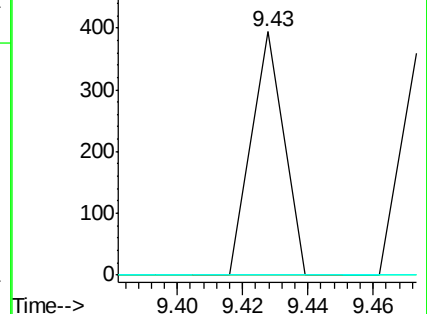
89 0.0 32.2 48.2#

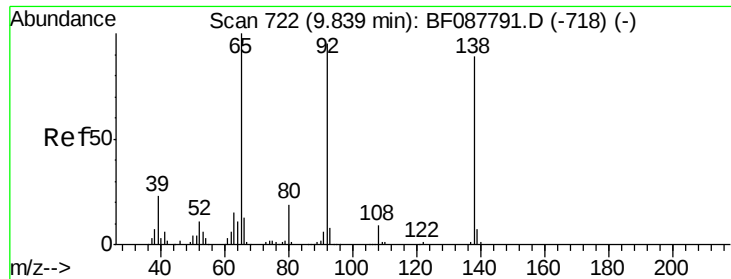


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 9.76 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

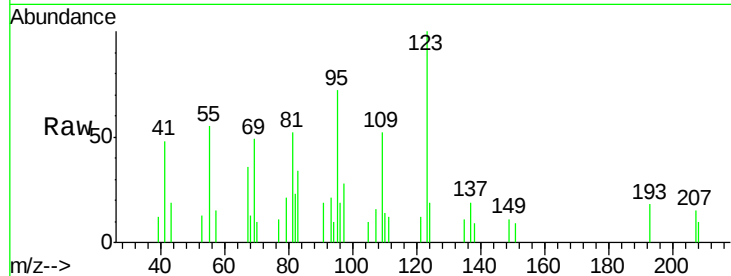
Tot Ion:138 Resp: 423

Ion Ratio Lower Upper

138 100

108 0.0 8.5 12.7#

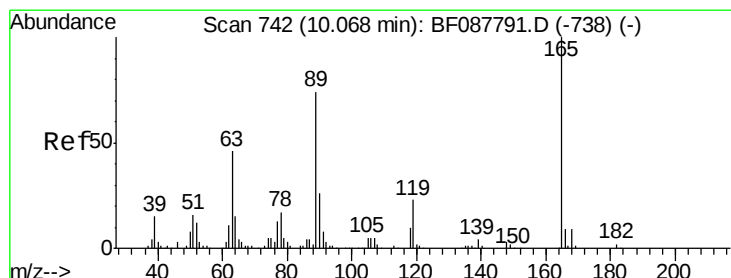
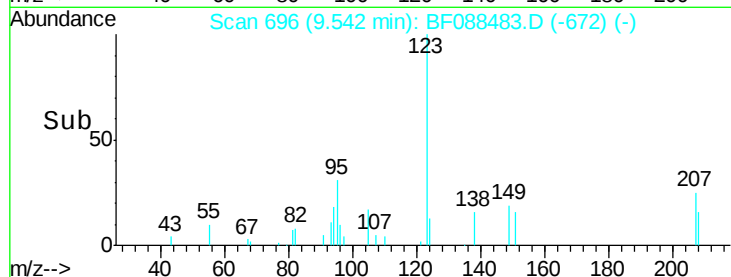
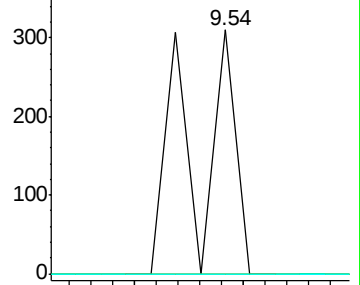
92 0.0 95.7 143.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.96 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.23 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Tgt Ion:165 Resp: 336

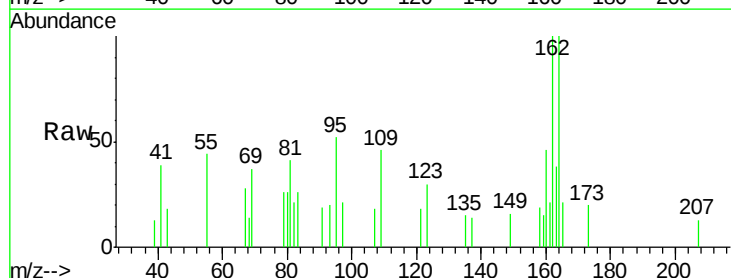
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

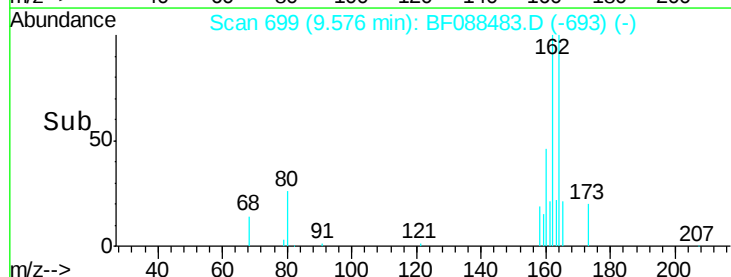
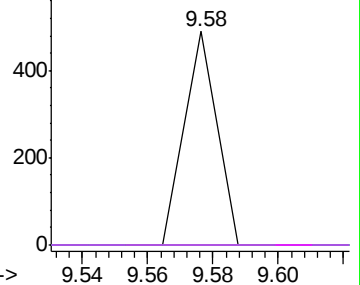


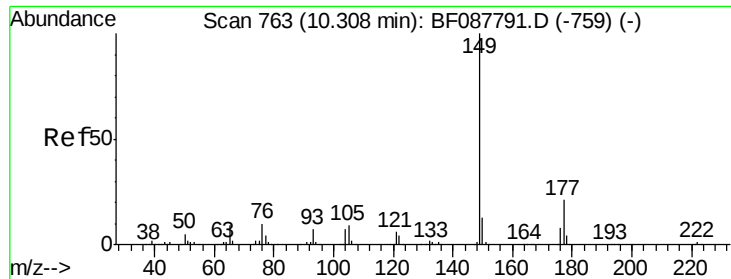
Abundance Ion 165.00 (164.70 to 165.70): E

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

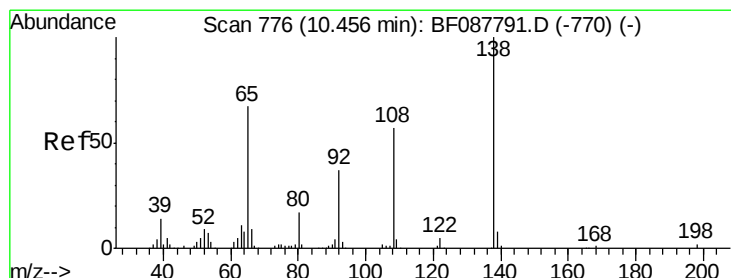
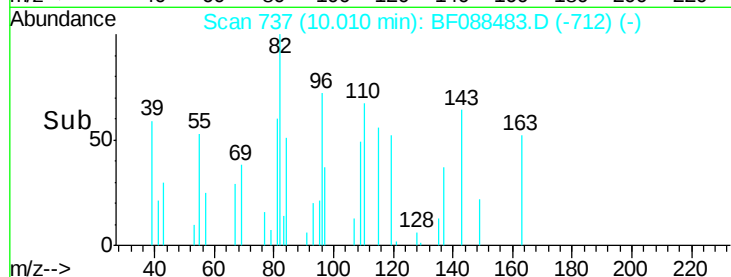
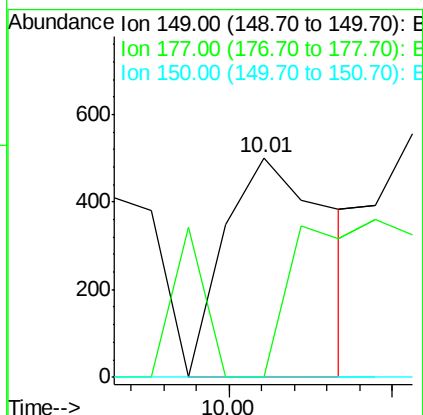
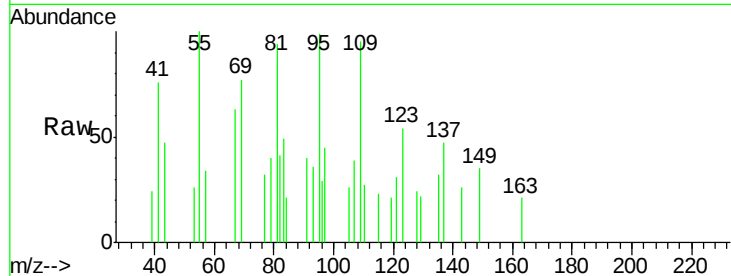




#59  
Diethylphthalate  
Concen: 6.75 ng  
RT: 10.01 min Scan# 737  
Delta R.T. -0.01 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

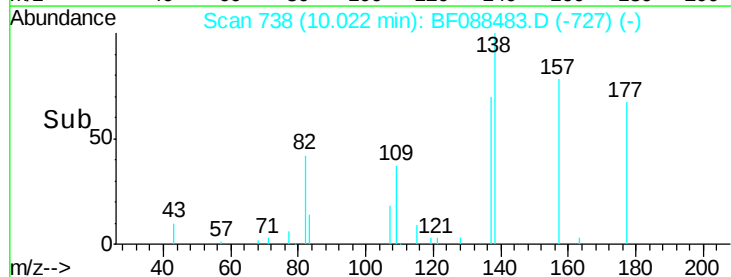
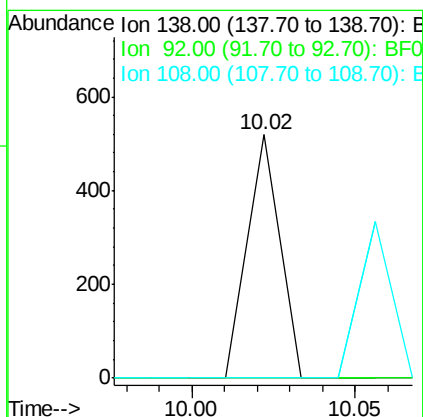
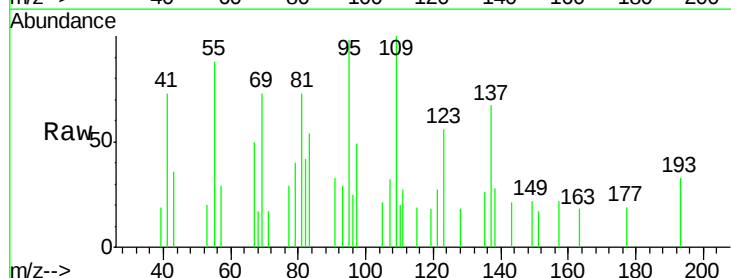
Instrument :  
BNA\_F  
ClientSampled :  
4A

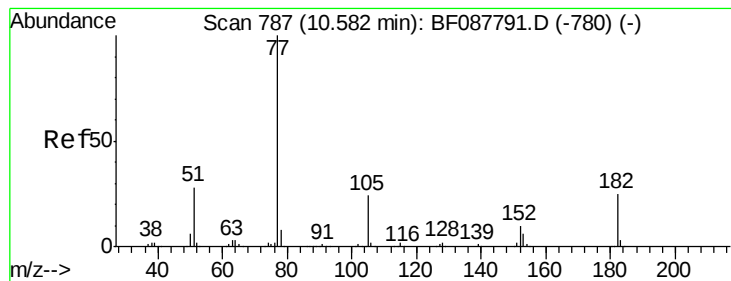
Tot Ion:149 Resp: 1121  
Ion Ratio Lower Upper  
149 100  
177 0.0 16.9 25.3#  
150 0.0 10.1 15.1#



#61  
4-Nitroaniline  
Concen: 8.66 ng  
RT: 10.02 min Scan# 738  
Delta R.T. -0.17 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

Tgt Ion:138 Resp: 356  
Ion Ratio Lower Upper  
138 100  
92 0.0 27.3 67.3#  
108 0.0 46.7 86.7#





#62

Azobenzene

Concen: 2.78 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.03 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampled :

4A

Tot Ion: 77 Resp: 457

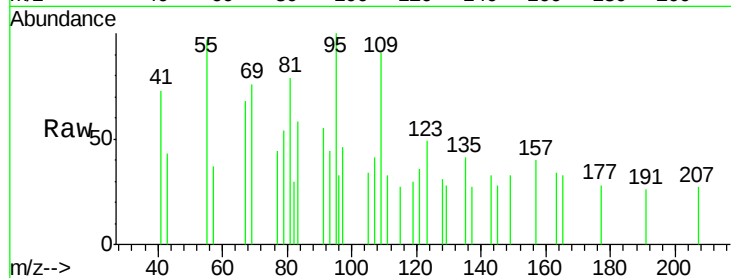
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 77.9 3.8 43.8#

51 0.0 9.3 49.3#

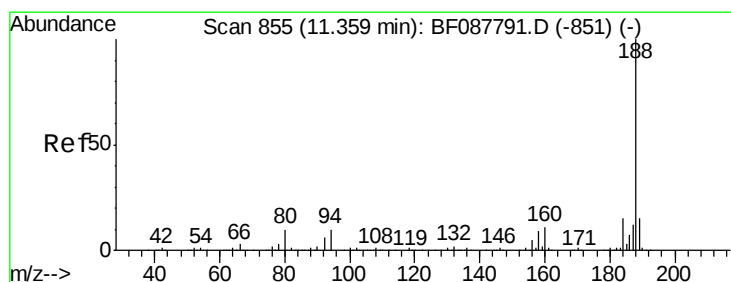
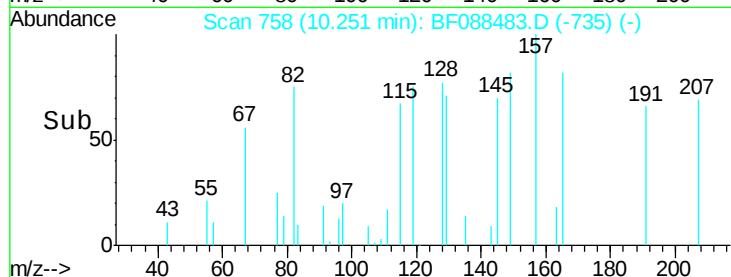
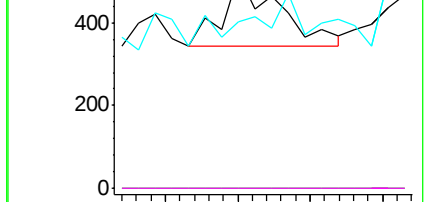


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

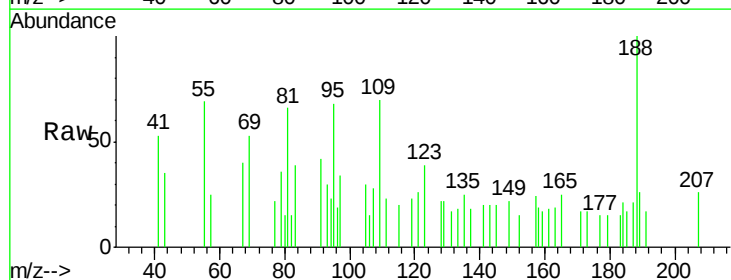
Tgt Ion: 188 Resp: 2804

Ion Ratio Lower Upper

188 100

94 22.7 9.0 13.6#

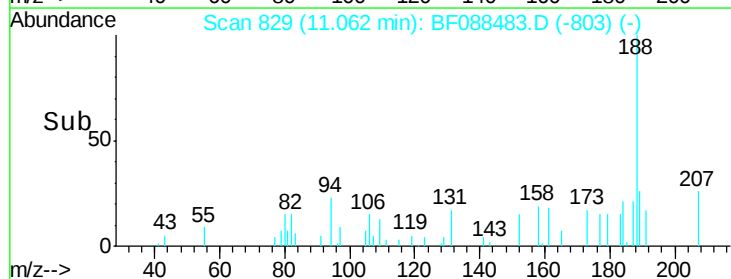
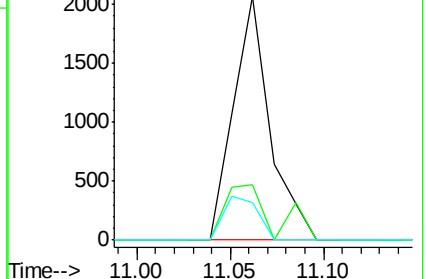
80 15.4 10.0 15.0#

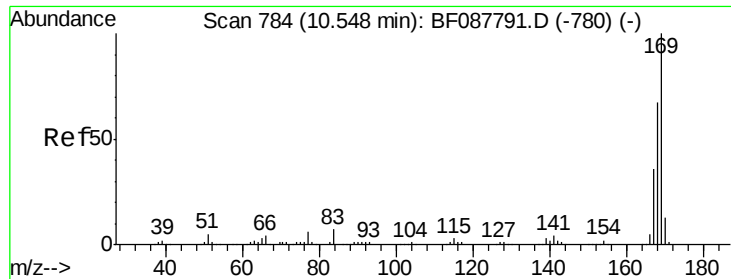


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

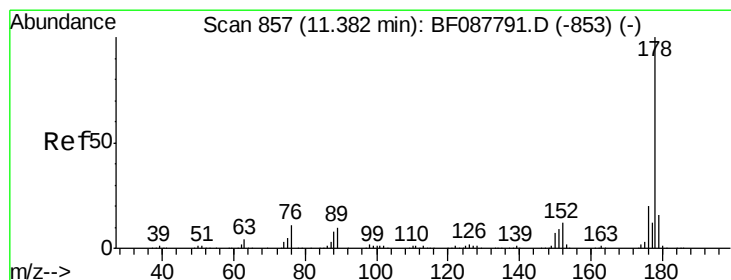
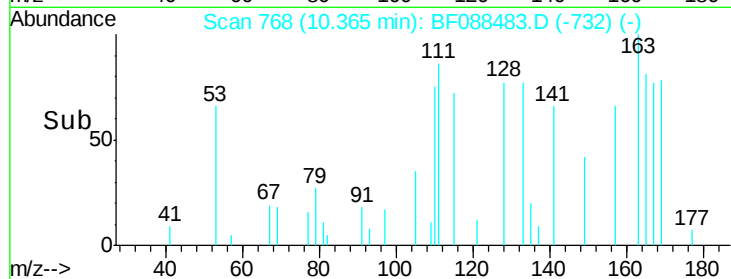
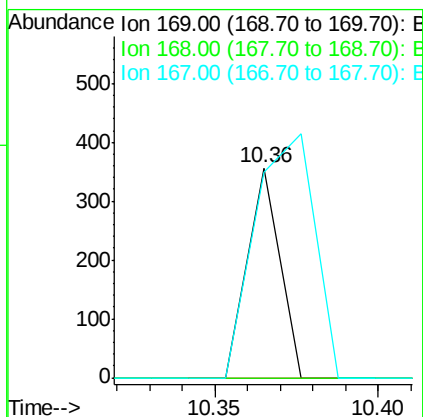
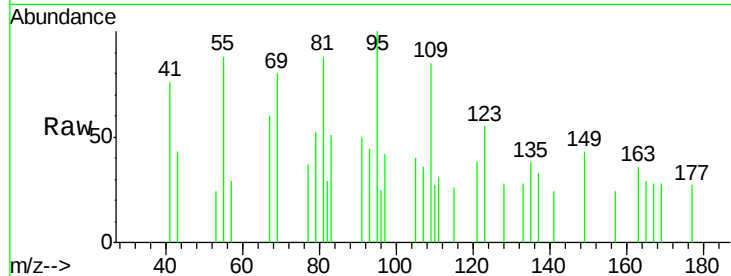




#65  
n-Nitrosodiphenylamine  
Concen: 2.62 ng  
RT: 10.36 min Scan# 768  
Delta R.T. 0.11 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

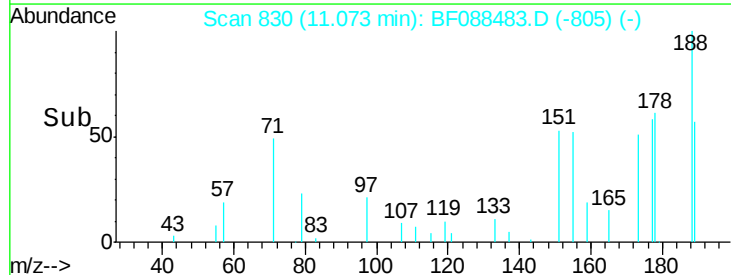
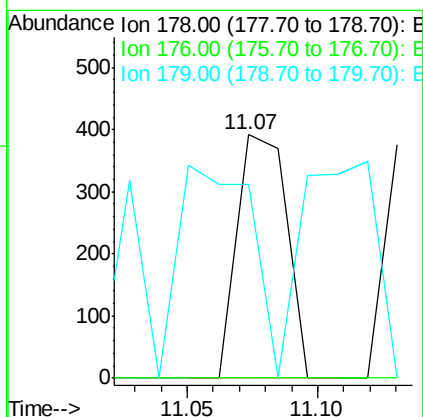
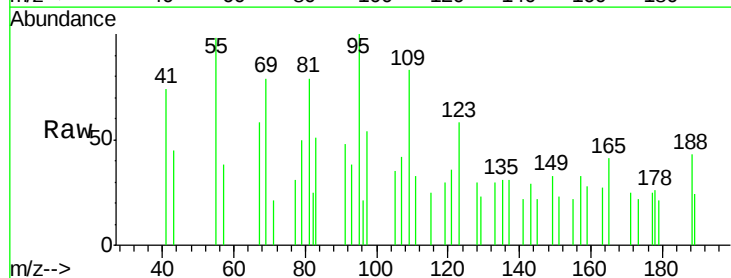
Instrument :  
BNA\_F  
ClientSampleId :  
4A

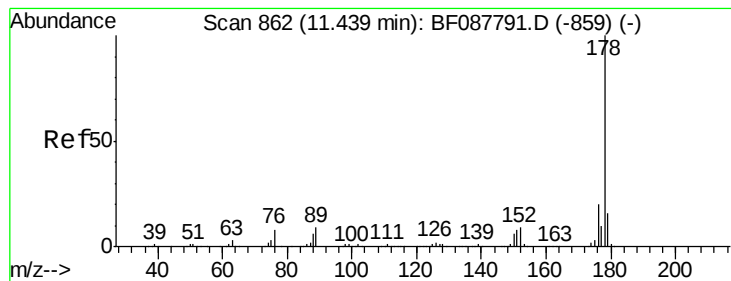
Tot Ion:169 Resp: 244  
Ion Ratio Lower Upper  
169 100  
168 0.0 53.4 80.0#  
167 98.3 29.4 44.0#



#70  
Phenanthrene  
Concen: 3.55 ng  
RT: 11.07 min Scan# 830  
Delta R.T. -0.01 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

Tgt Ion:178 Resp: 523  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.8 23.6#  
179 79.3 13.0 19.4#





#71

Anthracene

Concen: 8.46 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampled :

4A

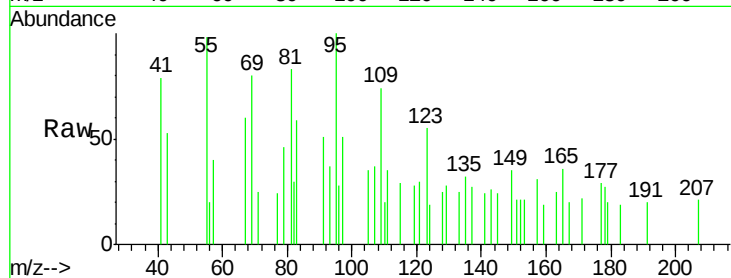
Tot Ion:178 Resp: 1256

Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

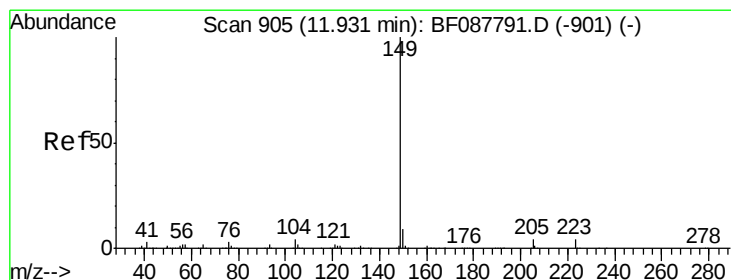
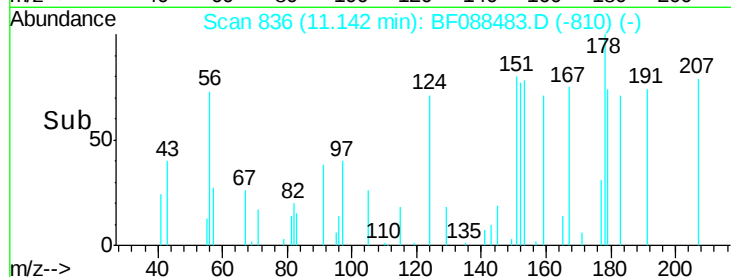
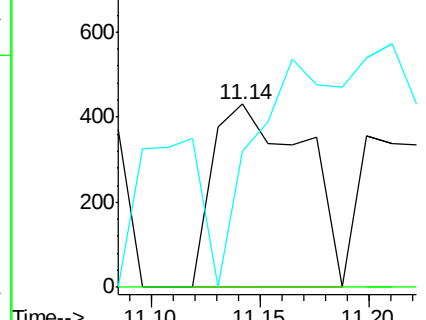
179 74.5 12.8 19.2#



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



#73

Di-n-butylphthalate

Concen: 3.05 ng

RT: 11.58 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

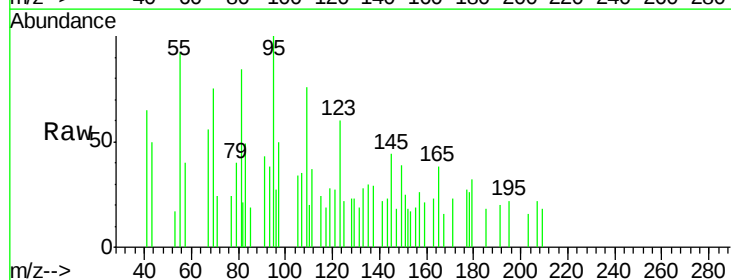
Tgt Ion:149 Resp: 537

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

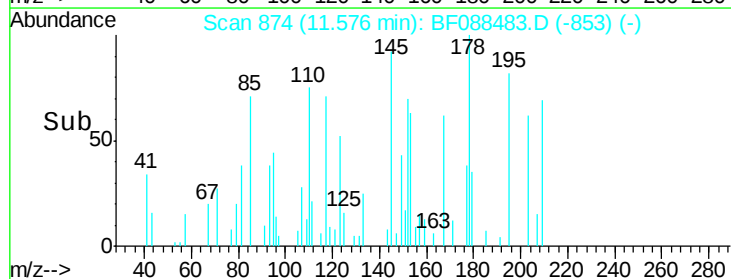
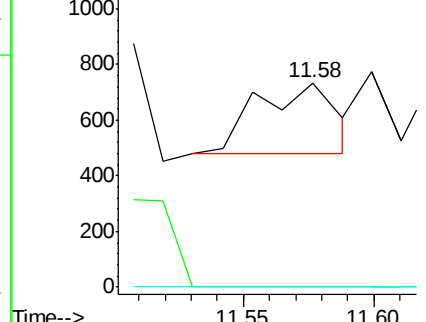
104 0.0 4.0 6.0#

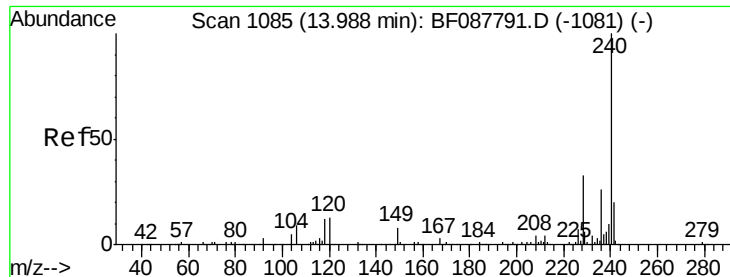


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

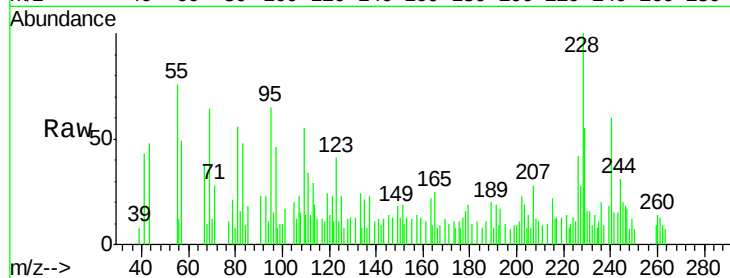
Tot Ion:240 Resp: 3651

Ion Ratio Lower Upper

240 100

120 24.1 6.8 10.2#

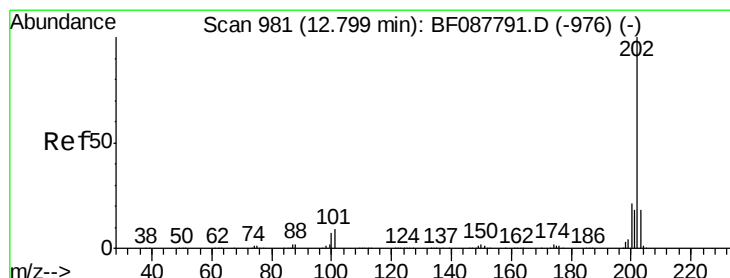
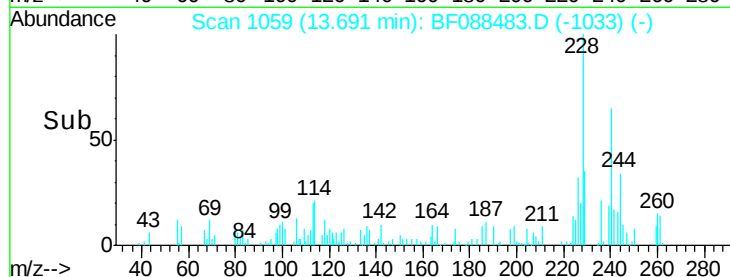
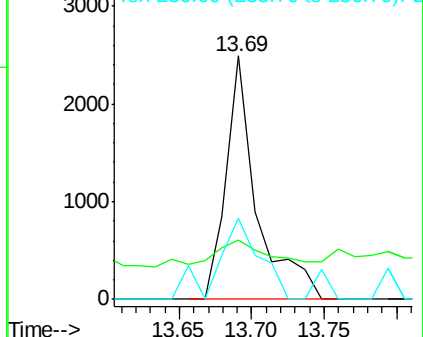
236 33.2 20.2 30.2#



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: 26.21 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

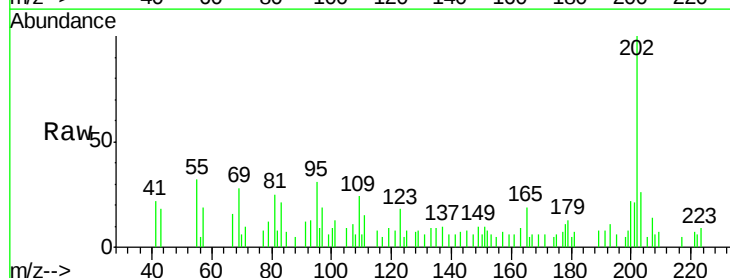
Tgt Ion:202 Resp: 7102

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

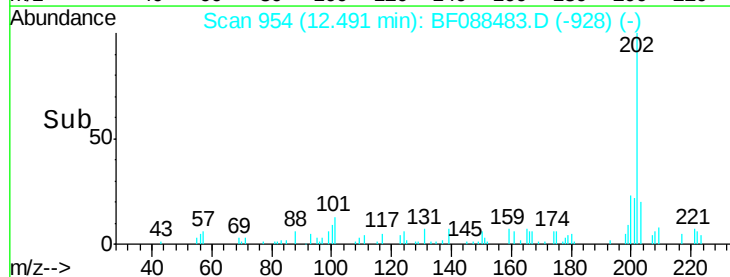
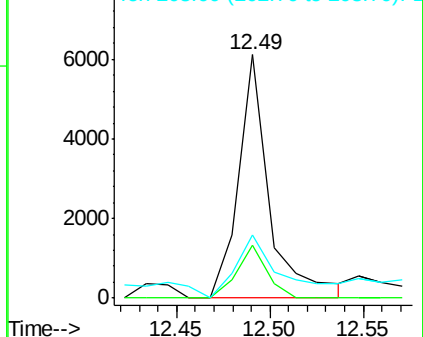
203 25.8 14.5 21.7#

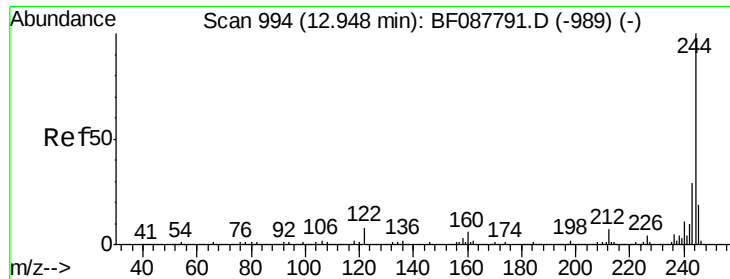


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

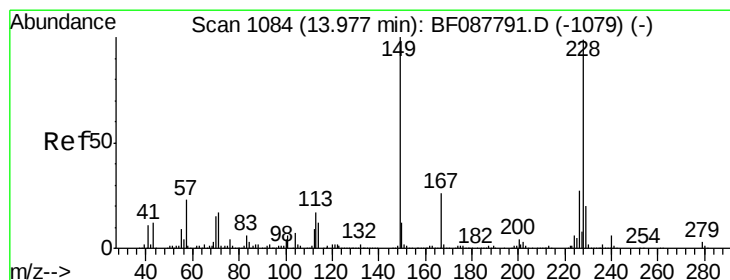
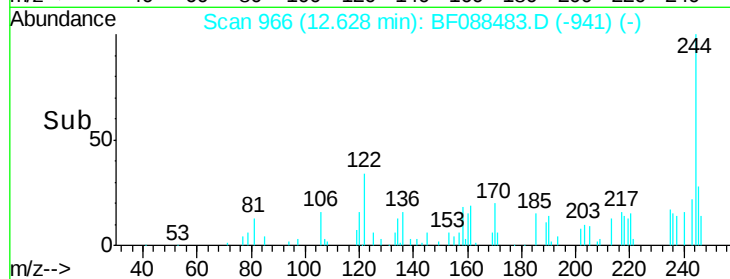
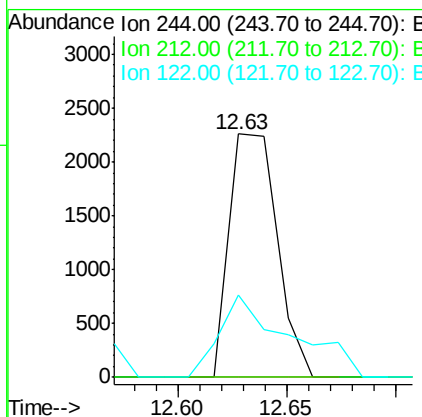
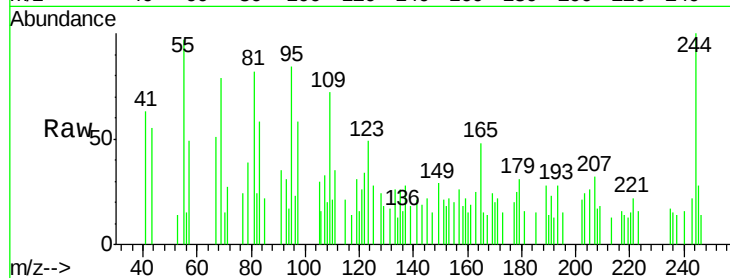




#78  
 Terphenyl-d14  
 Concen: 21.57 ng  
 RT: 12.63 min Scan# 966  
 Delta R.T. -0.01 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

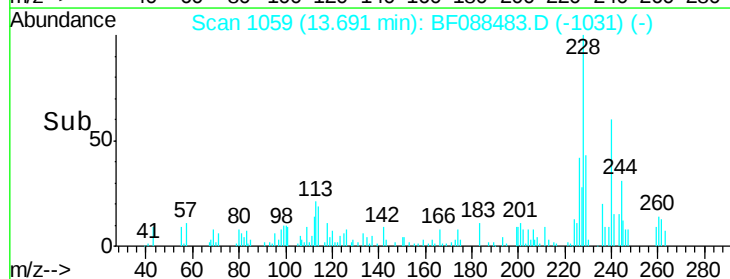
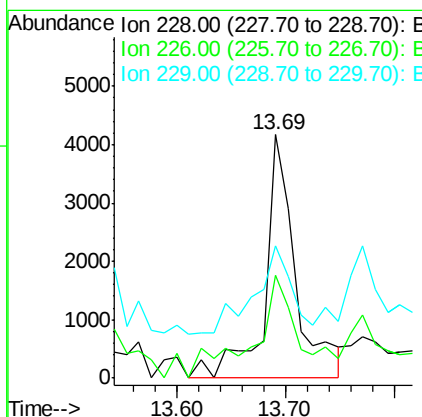
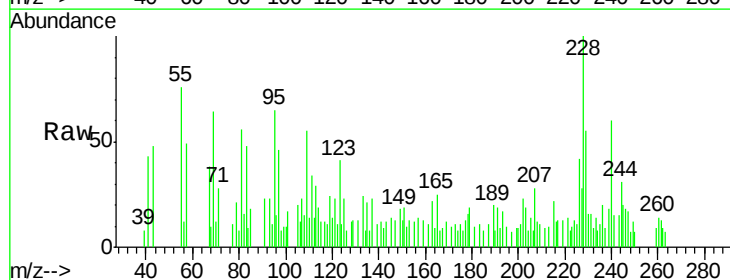
Instrument :  
 BNA\_F  
 ClientSampleId :  
 4A

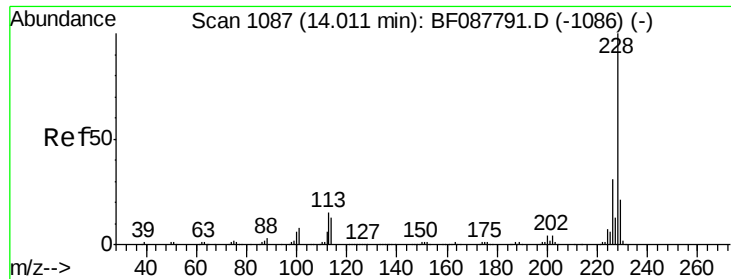
Tot Ion:244 Resp: 3461  
 Ion Ratio Lower Upper  
 244 100  
 212 0.0 6.0 9.0#  
 122 34.0 11.2 16.8#



#80  
 Benzo(a)anthracene  
 Concen: 39.26 ng  
 RT: 13.69 min Scan# 1059  
 Delta R.T. 0.02 min  
 Lab File: BF088483.D  
 Acq: 28 Jun 2016 8:00

Tgt Ion:228 Resp: 8169  
 Ion Ratio Lower Upper  
 228 100  
 226 42.1 22.3 33.5#  
 229 54.5 16.0 24.0#





#82

Chrysene

Concen: 41.73 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampled :

4A

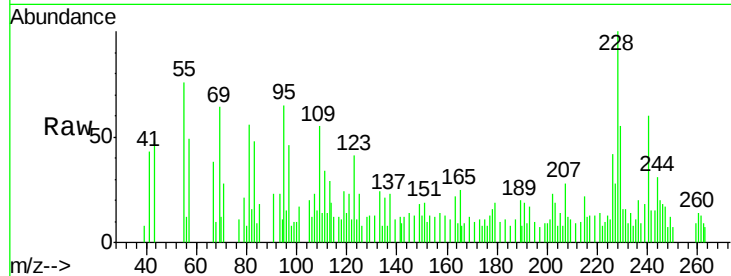
Tot Ion:228 Resp: 8169

Ion Ratio Lower Upper

228 100

226 42.1 25.4 38.2#

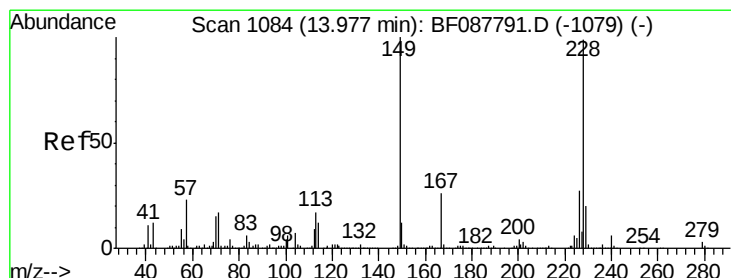
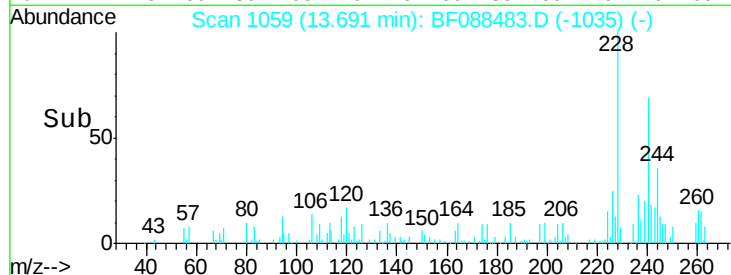
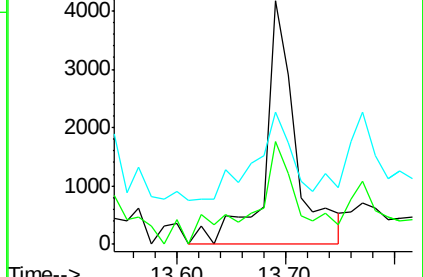
229 54.5 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.76 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

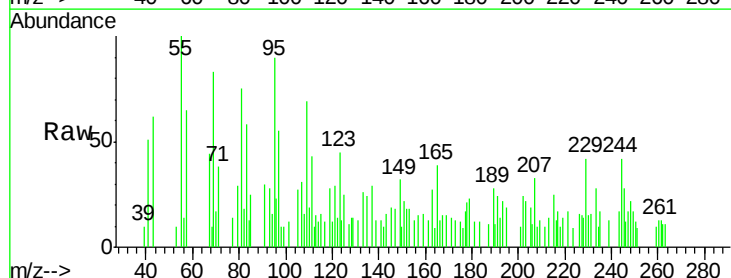
Tgt Ion:149 Resp: 402

Ion Ratio Lower Upper

149 100

167 44.9 20.5 30.7#

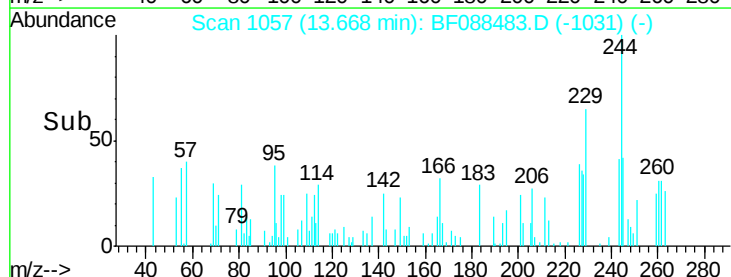
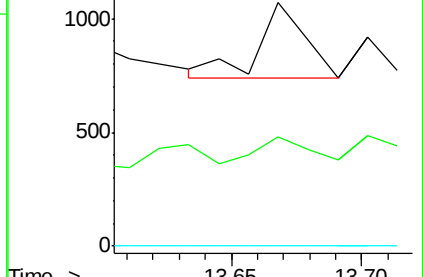
279 0.0 2.0 3.0#

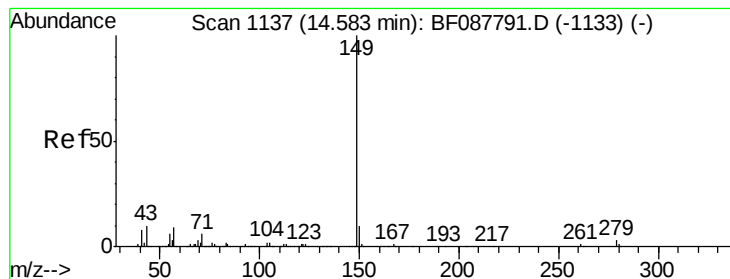


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 2.31 ng

RT: 14.27 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

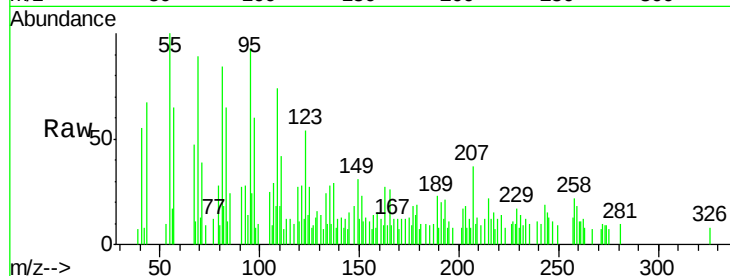
Tot Ion:149 Resp: 548

Ion Ratio Lower Upper

149 100

167 22.1 0.0 0.0#

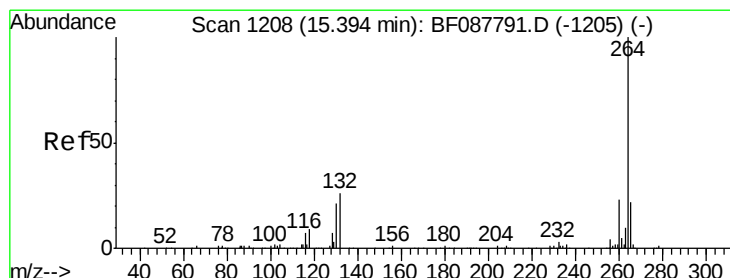
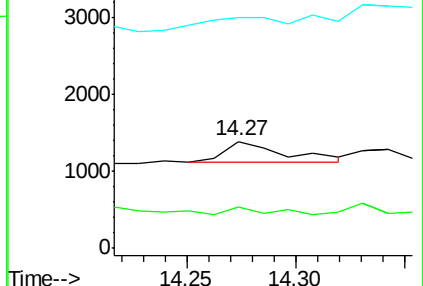
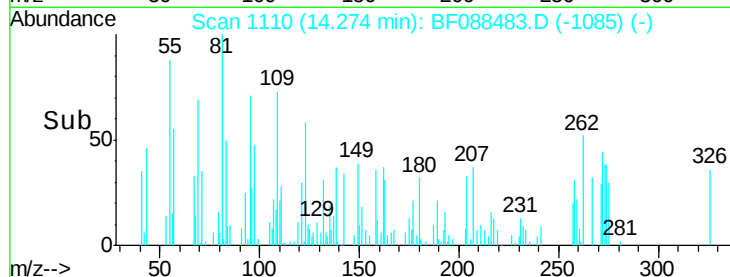
43 227.7 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.02 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

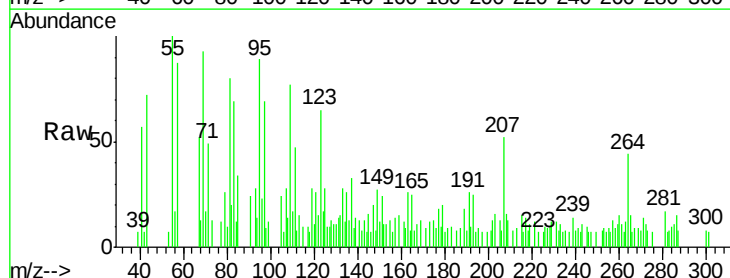
Tgt Ion:264 Resp: 3228

Ion Ratio Lower Upper

264 100

260 32.9 19.2 28.8#

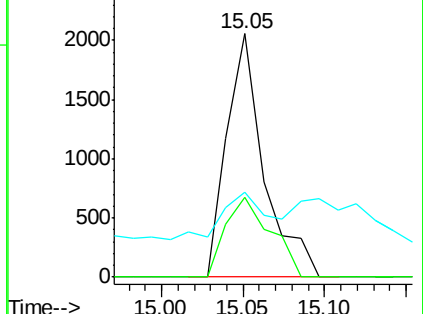
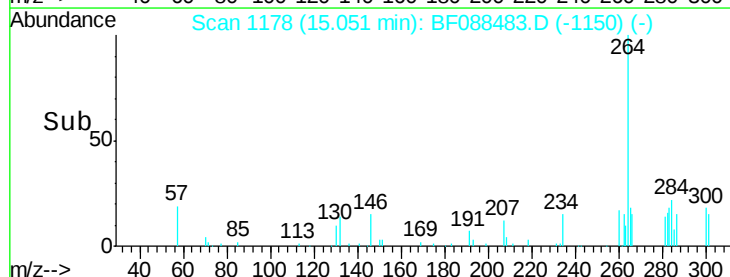
265 34.7 16.9 25.3#

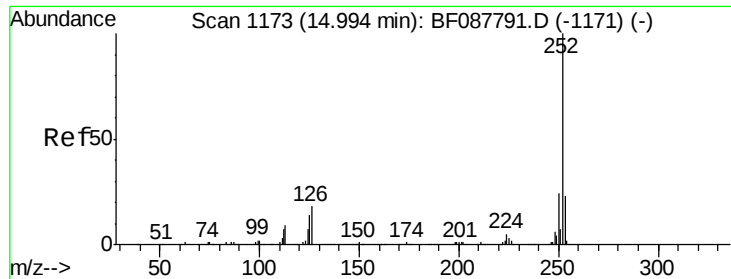


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

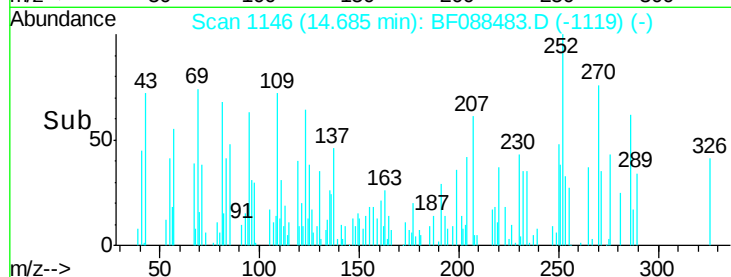
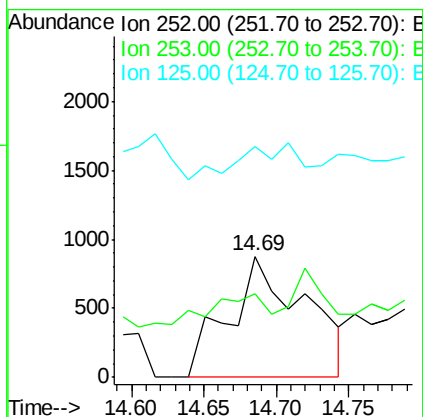
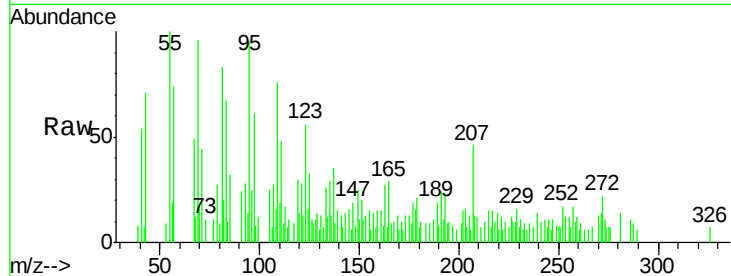




#87  
Benzo(b)fluoranthene  
Concen: 14.21 ng  
RT: 14.69 min Scan# 1146  
Delta R.T. 0.01 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

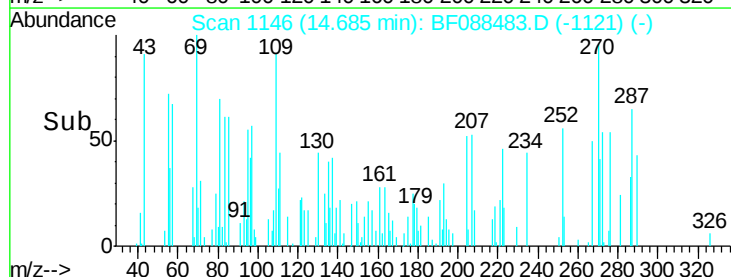
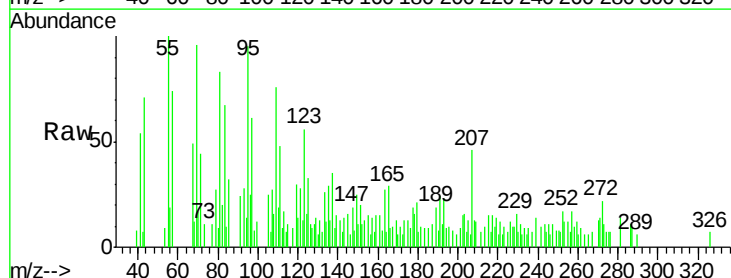
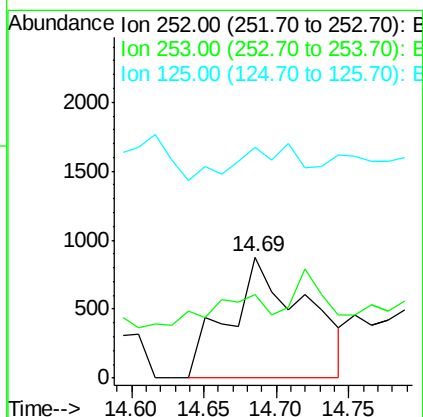
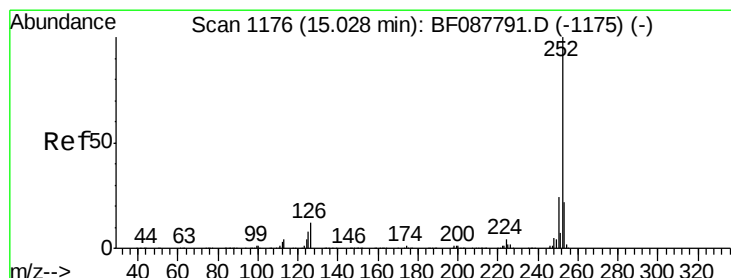
Instrument :  
BNA\_F  
ClientSampleId :  
4A

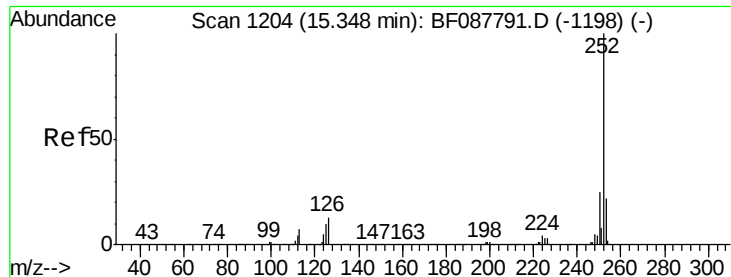
Tot Ion:252 Resp: 3197  
Ion Ratio Lower Upper  
252 100  
253 69.2 17.4 26.2#  
125 191.0 7.1 10.7#



#88  
Benzo(k)fluoranthene  
Concen: 18.84 ng  
RT: 14.69 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF088483.D  
Acq: 28 Jun 2016 8:00

Tgt Ion:252 Resp: 3197  
Ion Ratio Lower Upper  
252 100  
253 69.2 18.0 27.0#  
125 191.0 11.2 16.8#





#89

Benzo(a)pyrene

Concen: 9.67 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

Instrument :

BNA\_F

ClientSampleId :

4A

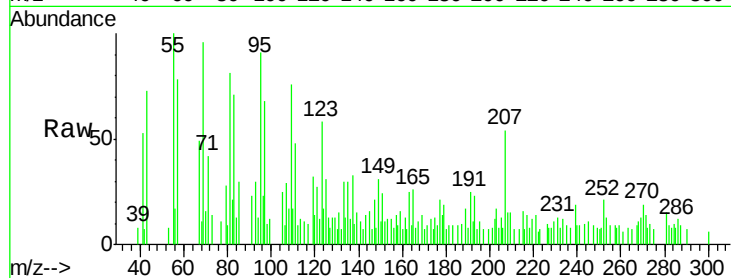
Tot Ion:252 Resp: 1761

Ion Ratio Lower Upper

252 100

253 62.5 17.9 26.9#

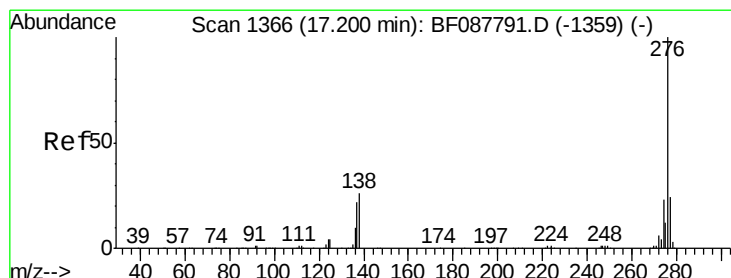
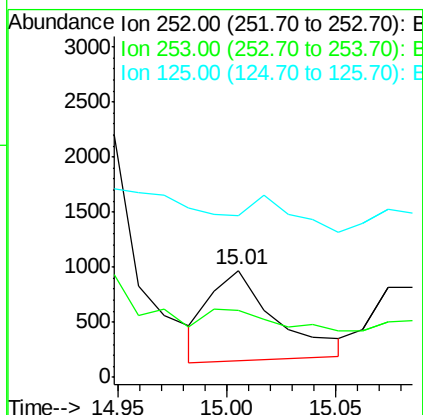
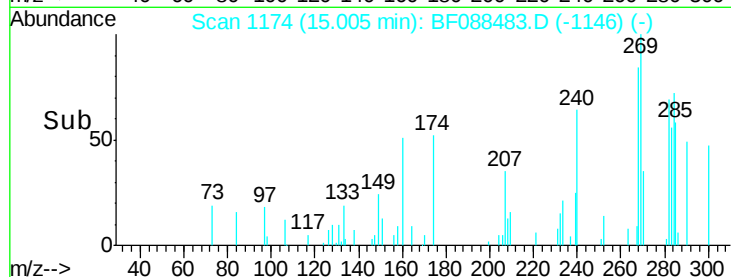
125 151.5 12.5 18.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.42 ng

RT: 16.69 min Scan# 1321

Delta R.T. 0.06 min

Lab File: BF088483.D

Acq: 28 Jun 2016 8:00

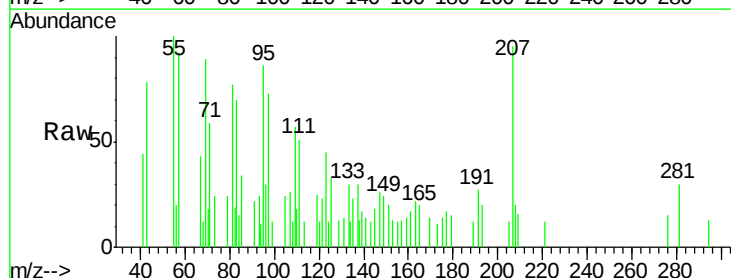
Tgt Ion:276 Resp: 768

Ion Ratio Lower Upper

276 100

277 0.0 18.9 28.3#

138 90.6 21.4 32.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

