

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041816\  
 Data File : BF086289.D  
 Acq On : 18 Apr 2016 18:39  
 Operator : UM/SJ  
 Sample : H2413-08 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-2-H-8(0-2)

Quant Time: Apr 19 00:52:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF041516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 15 15:56:31 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 325864   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.17  | 136  | 1187442  | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.93  | 164  | 483501   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.41 | 188  | 725343   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 462271   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.48 | 264  | 444215   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.48  | 112 | 1282327 | 64.48 | ng | 0.00  |
| 7) Phenol-d6                | 6.51  | 99  | 1502356 | 60.39 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.45  | 82  | 974075  | 47.31 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330 | 241275  | 62.14 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.25  | 172 | 1376264 | 52.53 | ng | -0.01 |
| 78) Terphenyl-d14           | 12.99 | 244 | 754205  | 41.03 | ng | -0.01 |

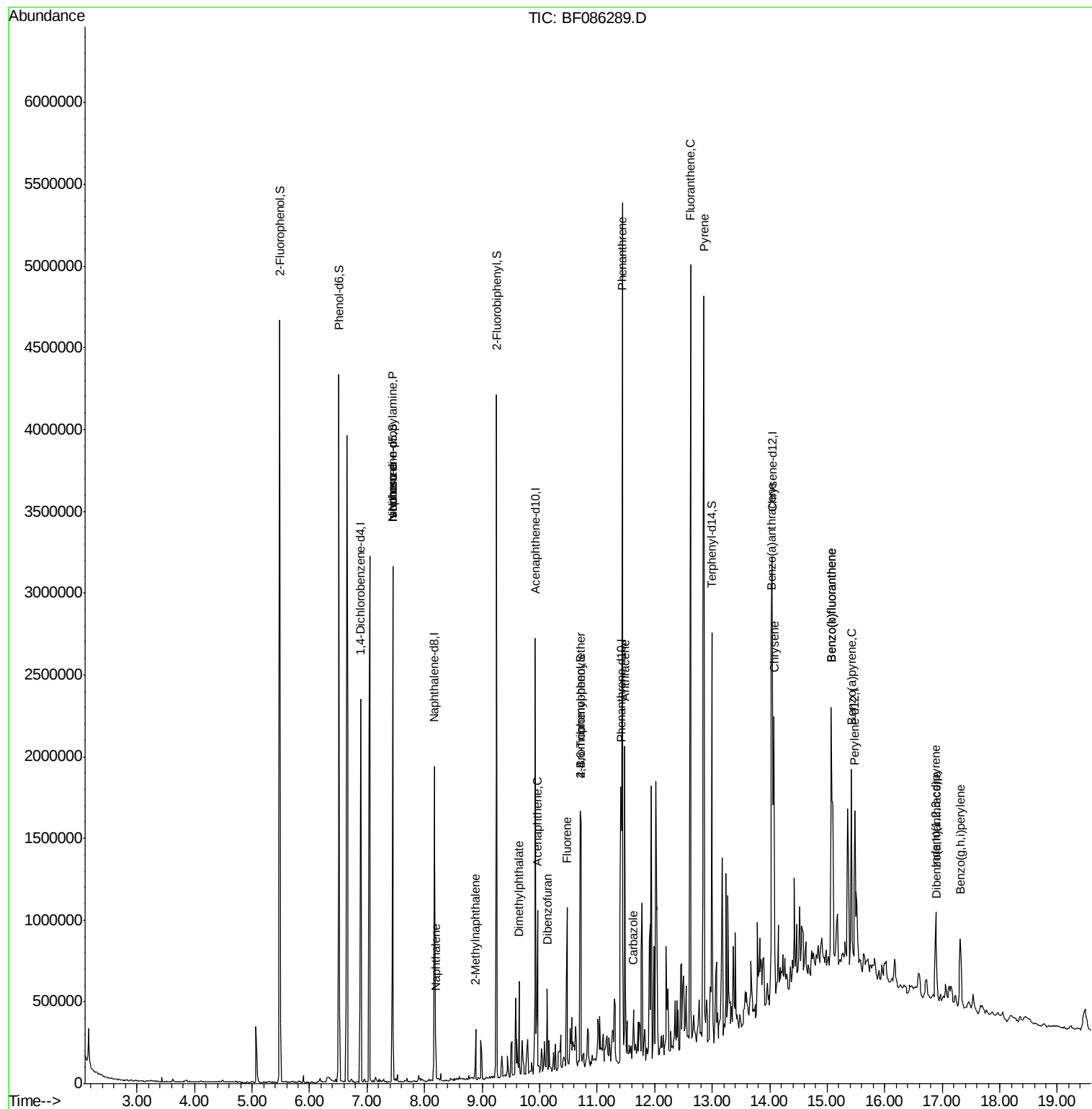
|                                |       |     |         |       |     |        |
|--------------------------------|-------|-----|---------|-------|-----|--------|
| Target Compounds               |       |     |         |       |     | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70  | 134111  | 8.42  | ng  | # 81   |
| 22) Acetophenone               | 7.29  | 105 | 1798    | Below | Cal | # 48   |
| 25) Isophorone                 | 7.45  | 82  | 812565  | 19.89 | ng  | # 67   |
| 31) Naphthalene                | 8.19  | 128 | 117964  | 2.22  | ng  | 97     |
| 37) 2-Methylnaphthalene        | 8.89  | 142 | 82214   | 2.40  | ng  | 98     |
| 49) Dimethylphthalate          | 9.64  | 163 | 192574  | 5.48  | ng  | 99     |
| 51) Acenaphthene               | 9.96  | 154 | 224387  | 8.31  | ng  | 99     |
| 54) Dibenzofuran               | 10.13 | 168 | 202659  | 5.68  | ng  | 99     |
| 57) Fluorene                   | 10.48 | 166 | 323176  | 10.42 | ng  | 99     |
| 60) 4-Chlorophenyl-phenylether | 10.66 | 204 | 208     | Below | Cal | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.72 | 248 | 15089   | 2.23  | ng  | # 1    |
| 70) Phenanthrene               | 11.44 | 178 | 1972742 | 56.94 | ng  | 99     |
| 71) Anthracene                 | 11.48 | 178 | 732125  | 17.63 | ng  | 97     |
| 72) Carbazole                  | 11.63 | 167 | 145238  | 4.41  | ng  | 99     |
| 74) Fluoranthene               | 12.62 | 202 | 1988820 | 69.79 | ng  | 99     |
| 77) Pyrene                     | 12.85 | 202 | 1997986 | 56.34 | ng  | 100    |
| 80) Benzo(a)anthracene         | 14.03 | 228 | 1134956 | 44.72 | ng  | 97     |
| 82) Chrysene                   | 14.08 | 228 | 906541  | 33.50 | ng  | 97     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.89 | 276 | 354346  | 15.93 | ng  | 98     |
| 87) Benzo(b)fluoranthene       | 15.07 | 252 | 1278208 | 46.64 | ng  | # 95   |
| 88) Benzo(k)fluoranthene       | 15.07 | 252 | 1278208 | 51.15 | ng  | # 92   |
| 89) Benzo(a)pyrene             | 15.43 | 252 | 720525  | 30.35 | ng  | 97     |
| 90) Dibenzo(a,h)anthracene     | 16.90 | 278 | 84790   | 4.04  | ng  | # 91   |
| 91) Benzo(g,h,i)perylene       | 17.31 | 276 | 340230  | 15.25 | ng  | # 92   |

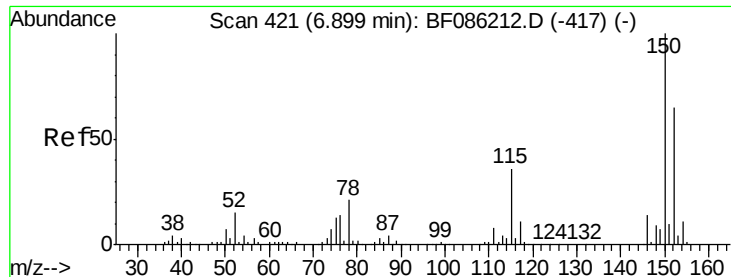
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 15 15:56:31 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

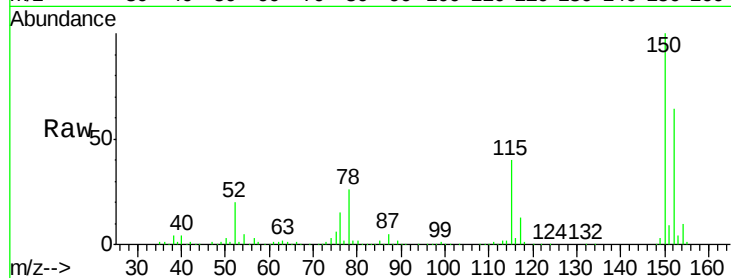
Tgt Ion:152 Resp: 325864

Ion Ratio Lower Upper

152 100

150 157.0 124.1 186.1

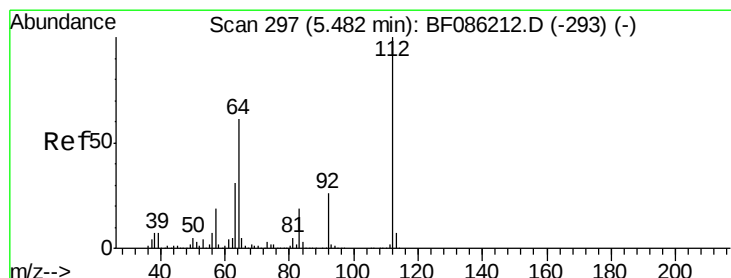
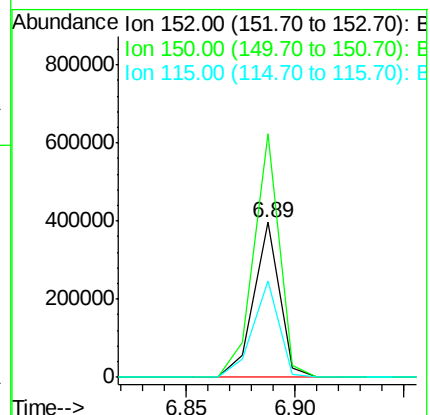
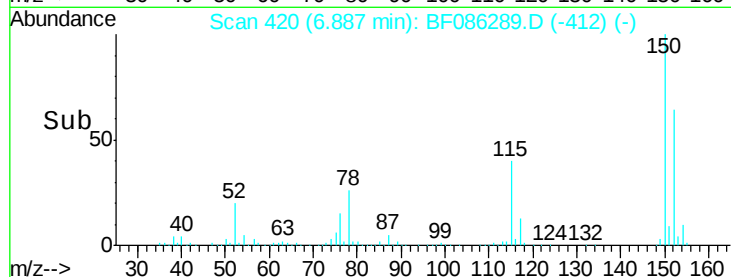
115 62.4 43.9 65.9



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: 64.48 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

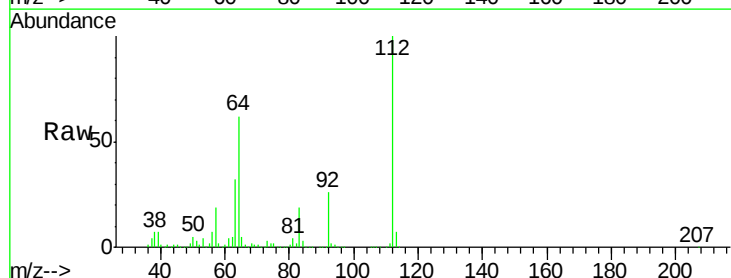
Tgt Ion:112 Resp: 1282327

Ion Ratio Lower Upper

112 100

64 61.8 48.1 72.1

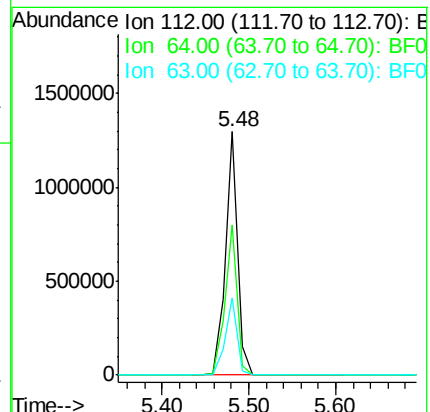
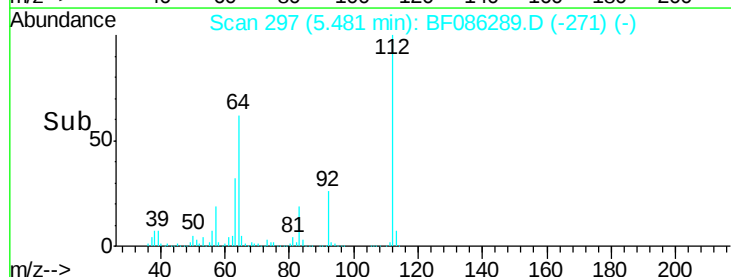
63 31.6 25.5 38.3

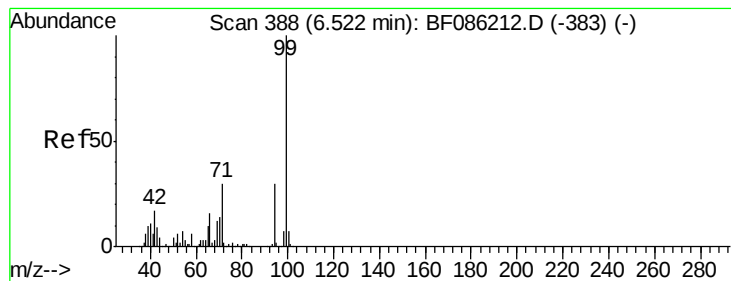


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.39 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

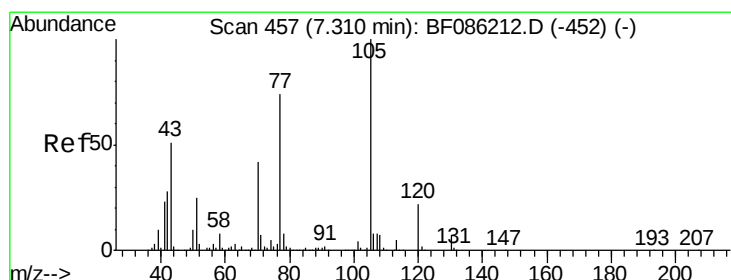
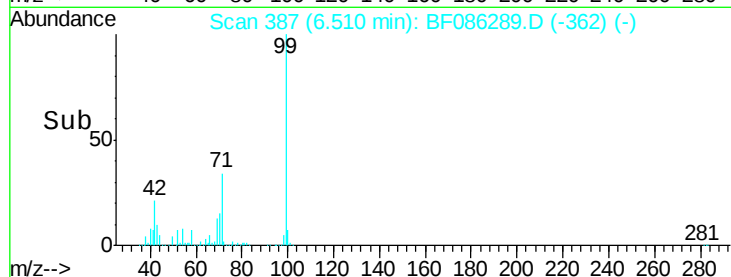
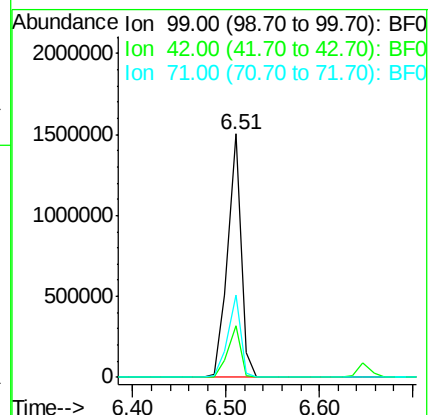
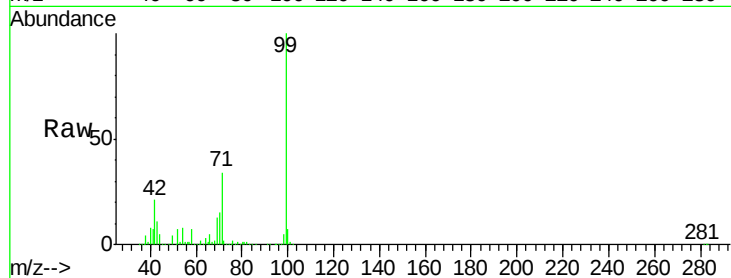
Tgt Ion: 99 Resp: 1502356

Ion Ratio Lower Upper

99 100

42 21.3 15.4 23.2

71 34.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 8.42 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Tgt Ion: 70 Resp: 134111

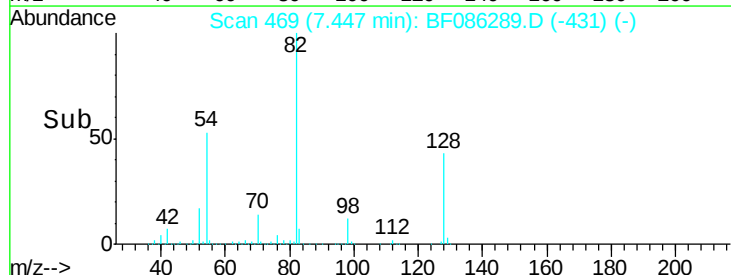
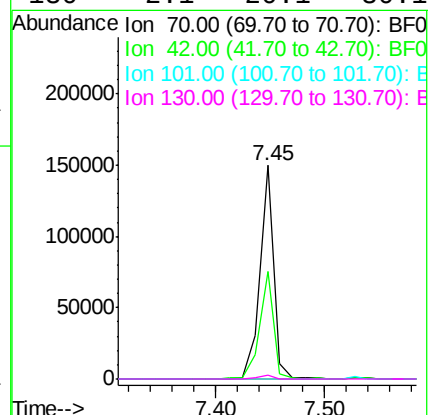
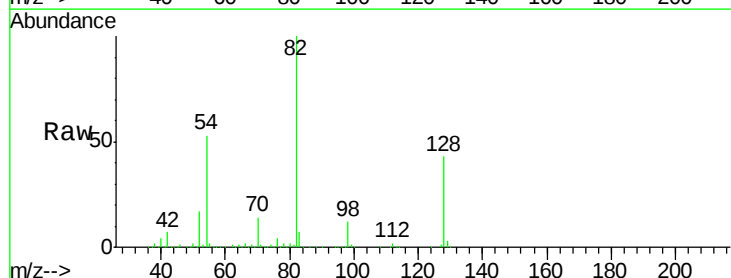
Ion Ratio Lower Upper

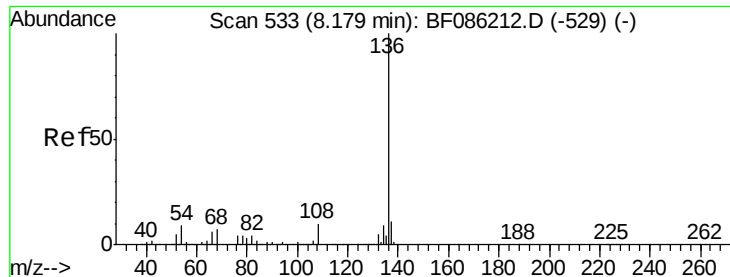
70 100

42 50.2 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 20.1 30.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

Tgt Ion:136 Resp: 1187442

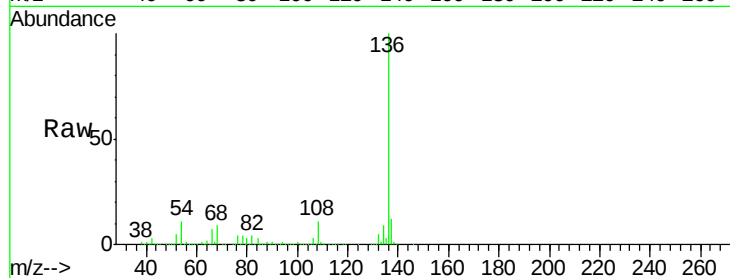
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 10.7 7.3 10.9

68 8.5 5.7 8.5#

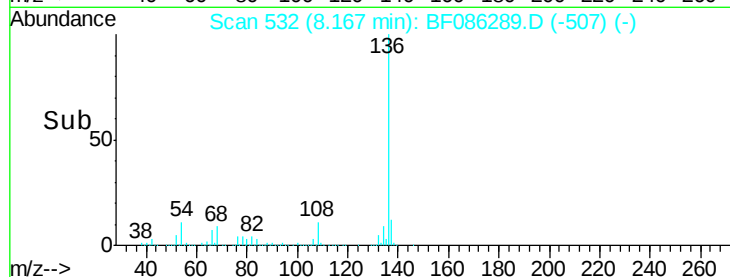


Abundance Ion 136.00 (135.70 to 136.70): E

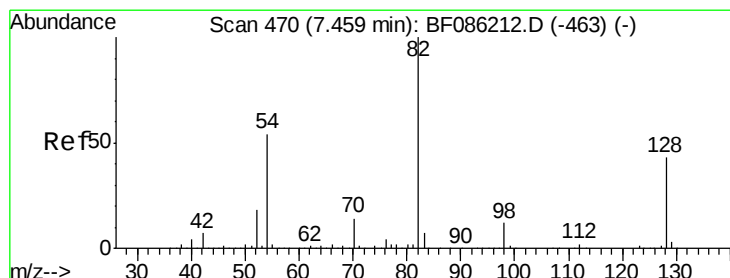
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 47.31 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

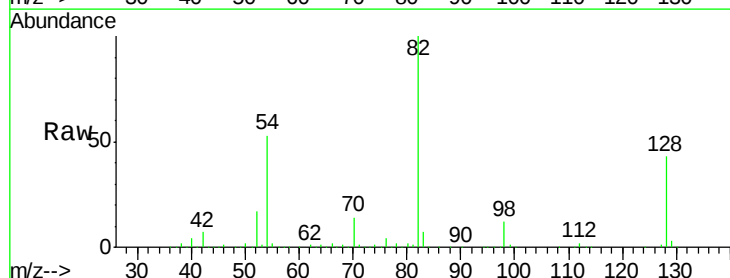
Tgt Ion: 82 Resp: 974075

Ion Ratio Lower Upper

82 100

128 43.4 35.4 53.2

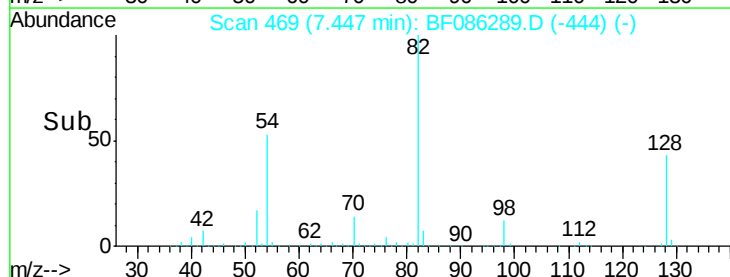
54 52.5 43.4 65.0



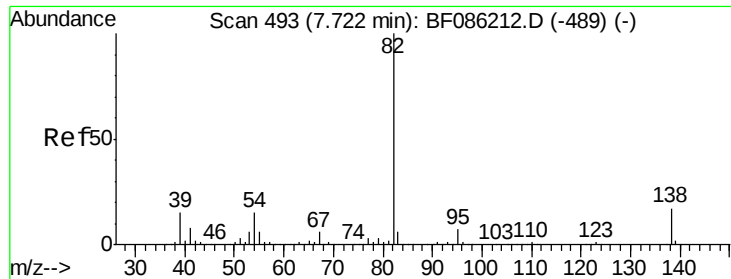
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 19.89 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.27 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

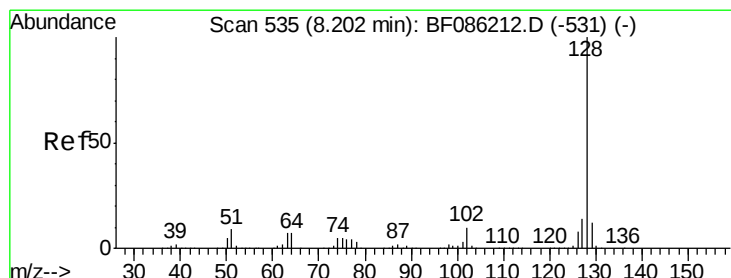
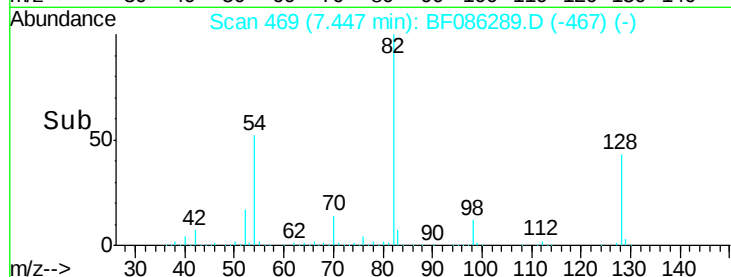
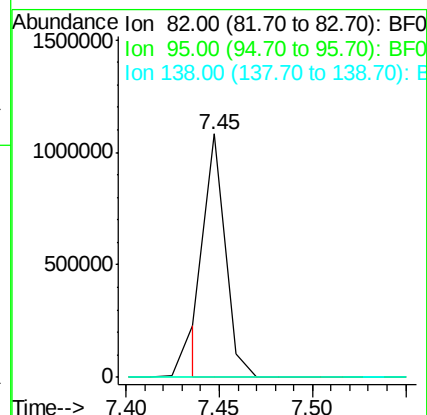
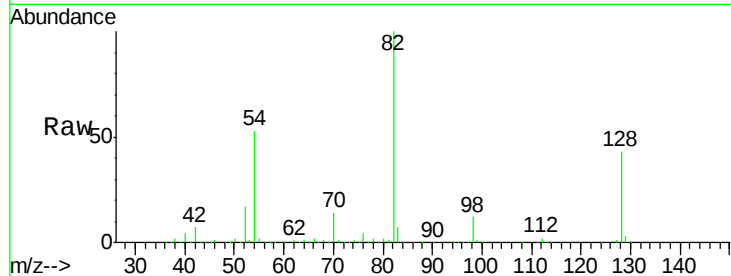
Tgt Ion: 82 Resp: 812565

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.4 20.2#



#31

Naphthalene

Concen: 2.22 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

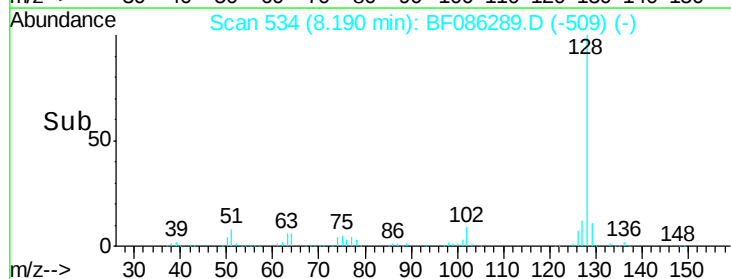
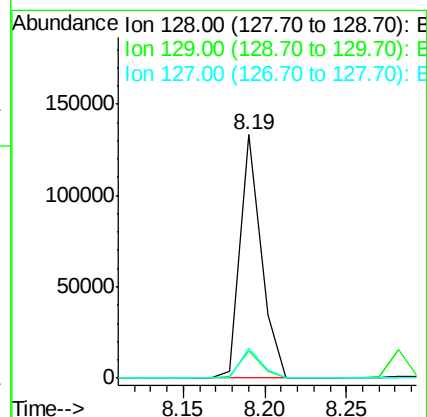
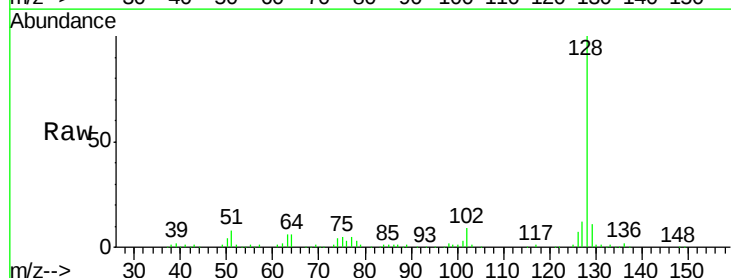
Tgt Ion: 128 Resp: 117964

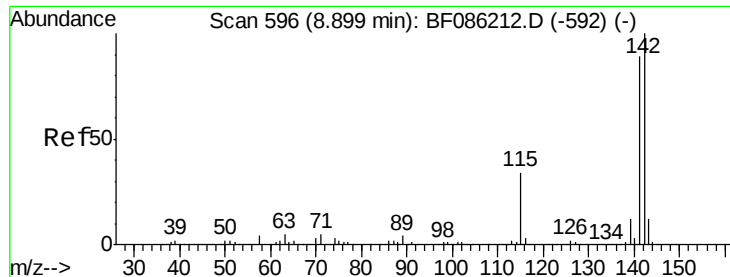
Ion Ratio Lower Upper

128 100

129 11.2 9.6 14.4

127 12.4 11.4 17.2

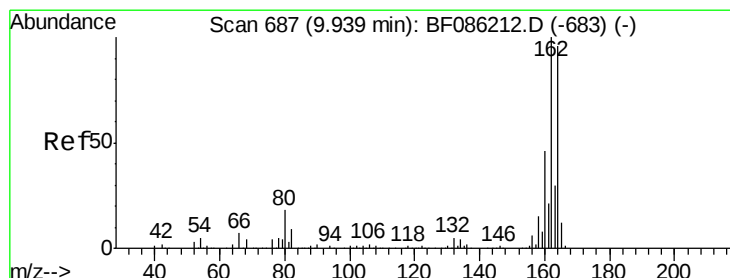
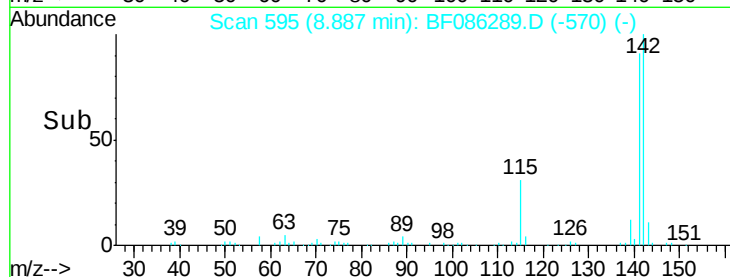
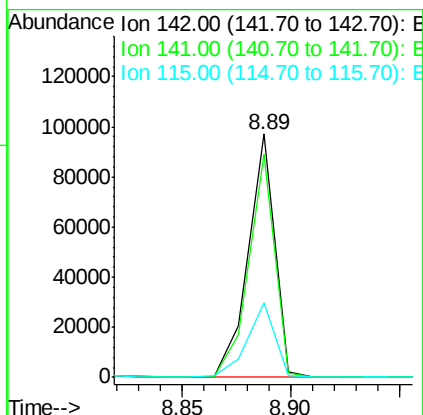
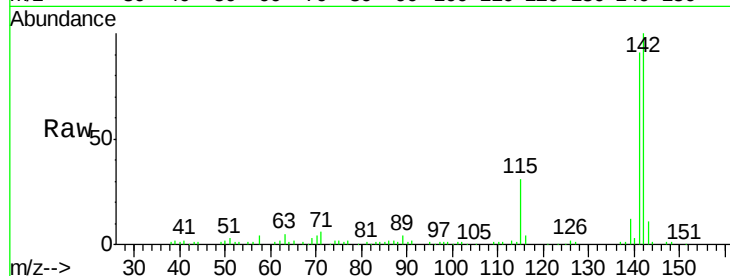




#37  
 2-Methylnaphthalene  
 Concen: 2.40 ng  
 RT: 8.89 min Scan# 595  
 Delta R.T. -0.01 min  
 Lab File: BF086289.D  
 Acq: 18 Apr 2016 18:39

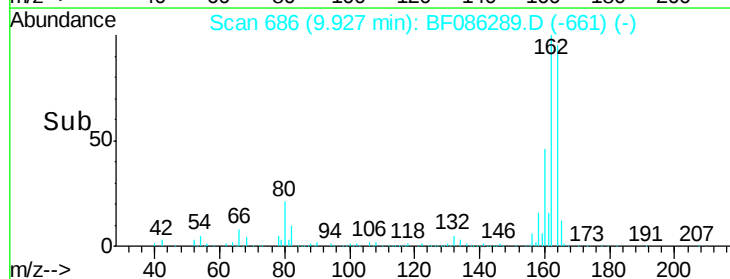
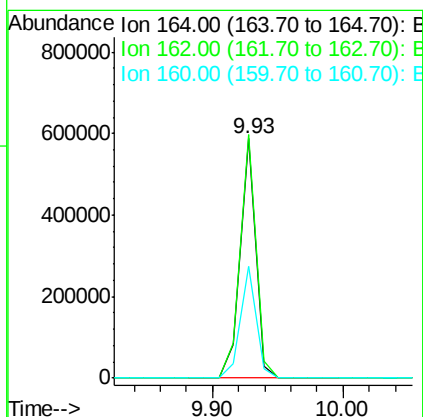
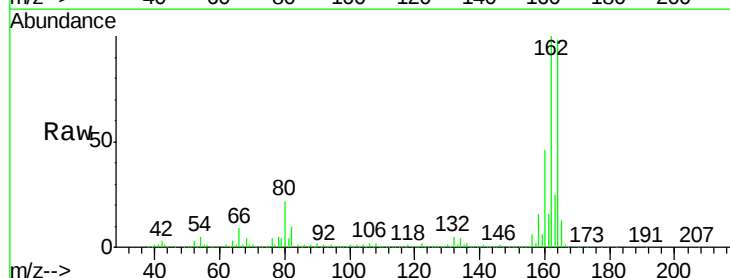
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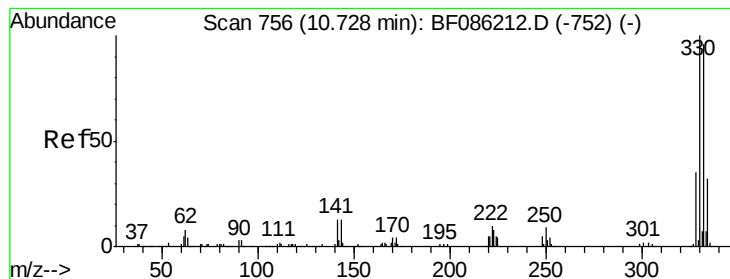
Tgt Ion:142 Resp: 82214  
 Ion Ratio Lower Upper  
 142 100  
 141 91.5 71.1 106.7  
 115 30.8 25.1 37.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.93 min Scan# 686  
 Delta R.T. -0.01 min  
 Lab File: BF086289.D  
 Acq: 18 Apr 2016 18:39

Tgt Ion:164 Resp: 483501  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 82.8 124.2  
 160 46.9 38.9 58.3

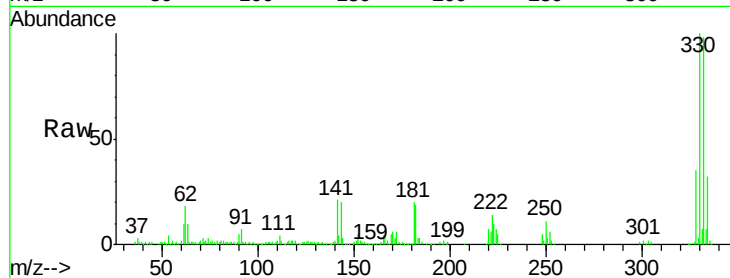




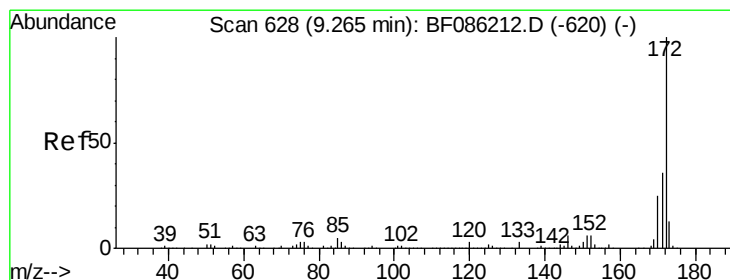
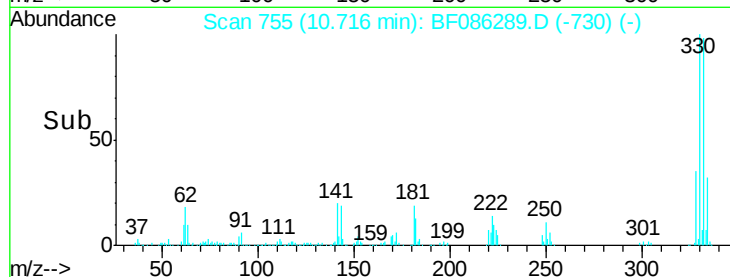
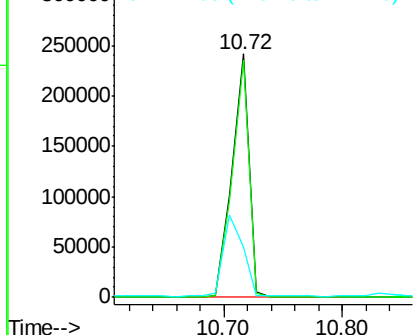
#41  
 2,4,6-Tribromophenol  
 Concen: 62.14 ng  
 RT: 10.72 min Scan# 755  
 Delta R.T. -0.01 min  
 Lab File: BF086289.D  
 Acq: 18 Apr 2016 18:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-2-H-8(0-2)

Tgt Ion:330 Resp: 241275  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 78.7 118.1  
 141 39.2 28.6 42.8

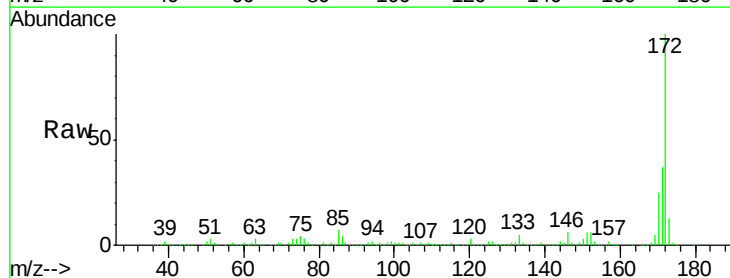


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

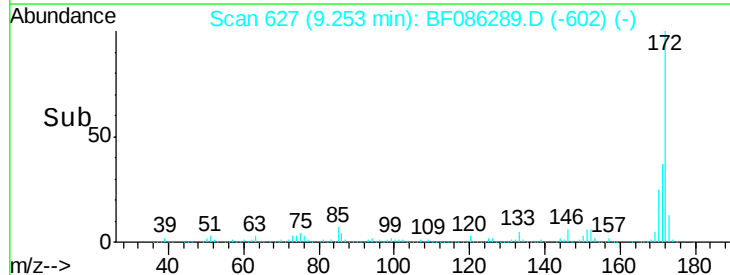
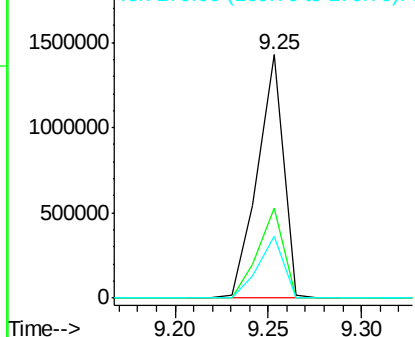


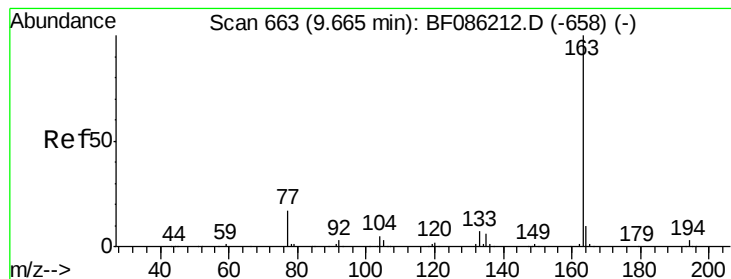
#44  
 2-Fluorobiphenyl  
 Concen: 52.53 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF086289.D  
 Acq: 18 Apr 2016 18:39

Tgt Ion:172 Resp: 1376264  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 29.1 43.7  
 170 25.5 19.9 29.9



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





#49

Dimethylphthalate

Concen: 5.48 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

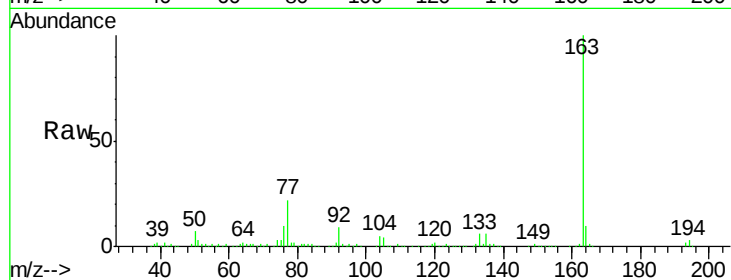
Tgt Ion:163 Resp: 192574

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

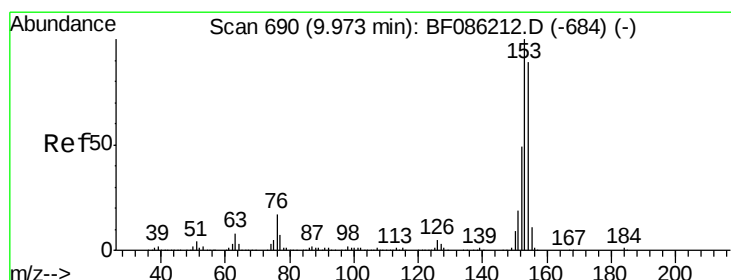
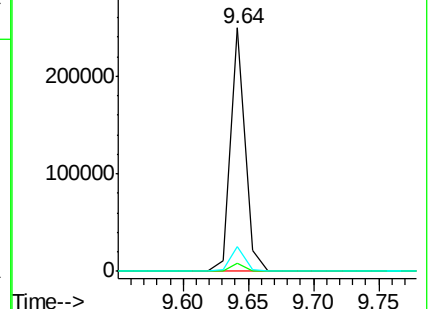
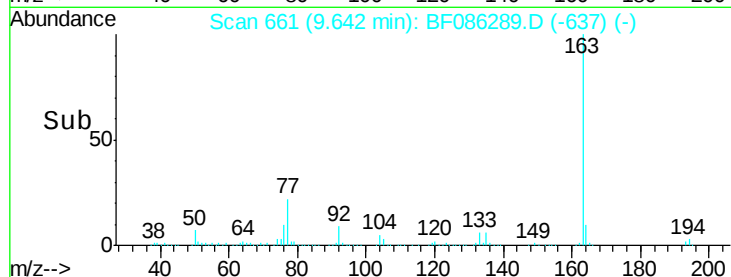
164 10.0 8.4 12.6



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



#51

Acenaphthene

Concen: 8.31 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

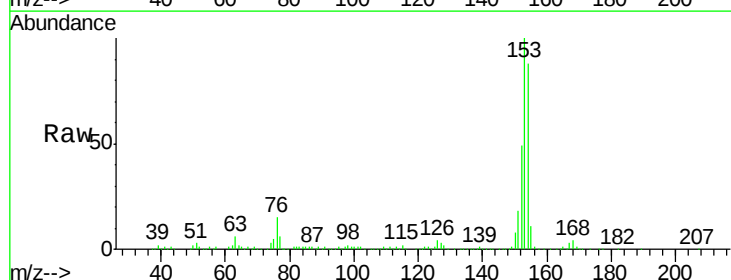
Tgt Ion:154 Resp: 224387

Ion Ratio Lower Upper

154 100

153 113.3 90.0 135.0

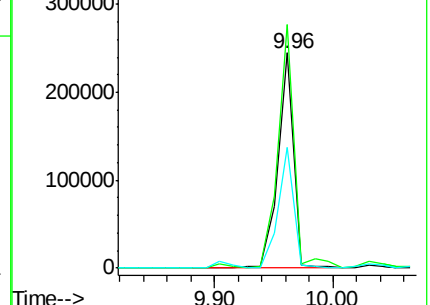
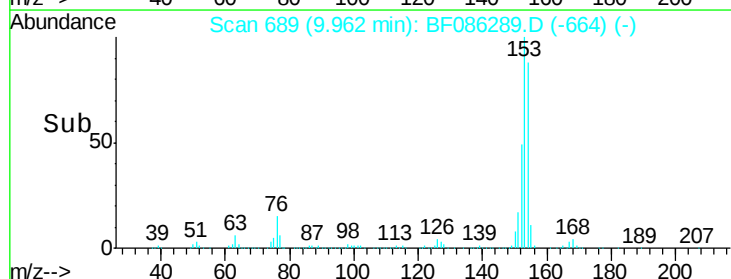
152 56.0 44.3 66.5

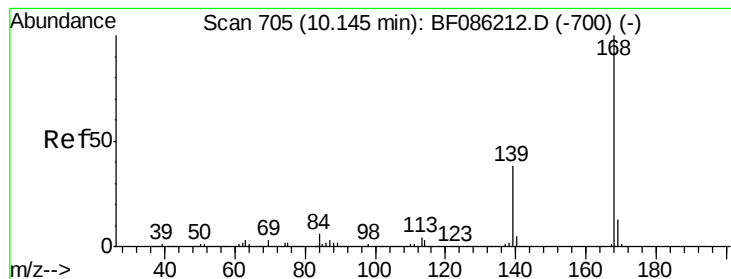


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 5.68 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

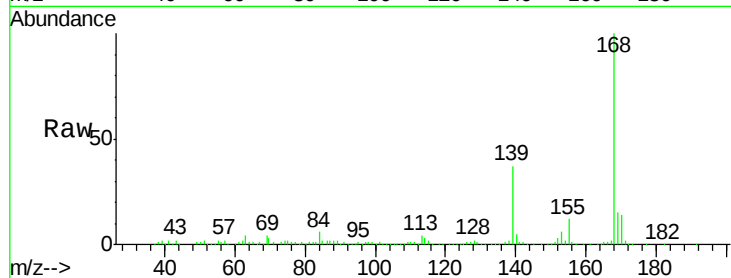
Tgt Ion:168 Resp: 202659

Ion Ratio Lower Upper

168 100

139 36.8 29.5 44.3

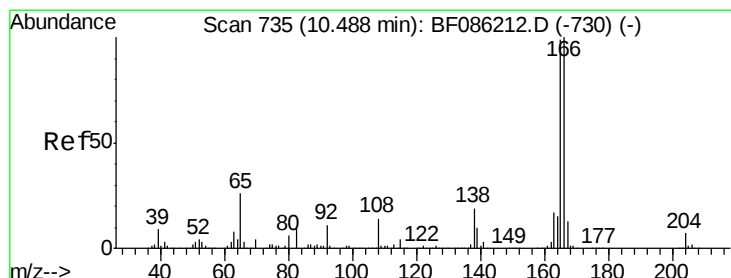
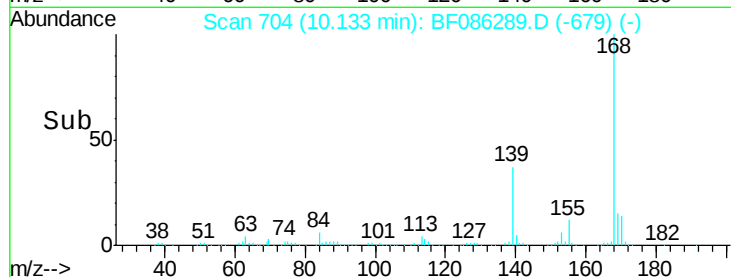
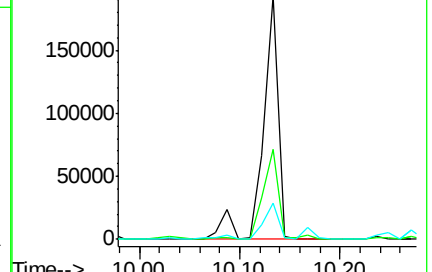
169 14.8 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 10.42 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

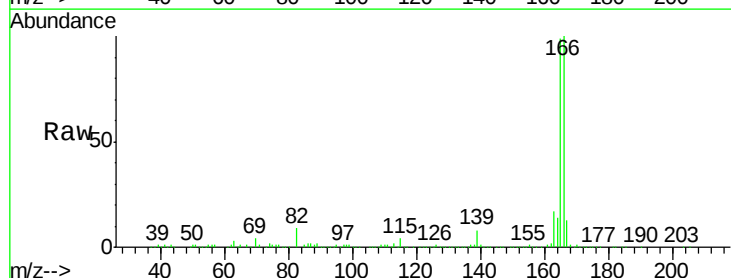
Tgt Ion:166 Resp: 323176

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

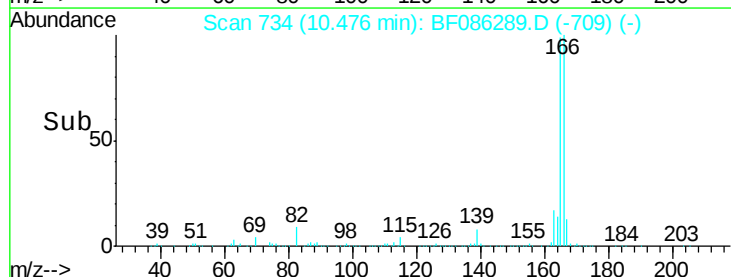
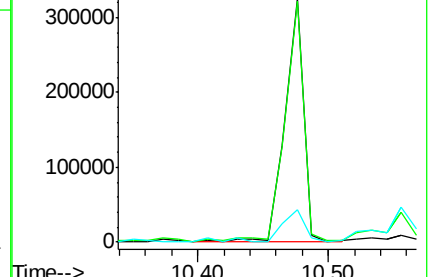
167 13.4 10.4 15.6

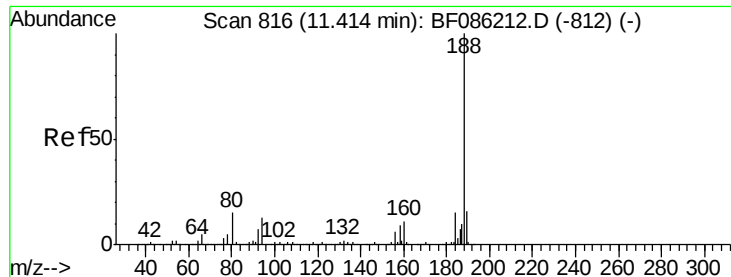


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

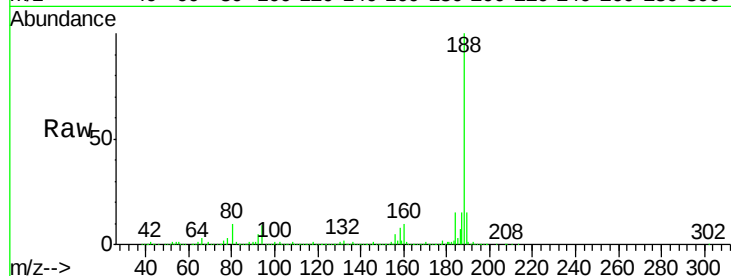
Tgt Ion:188 Resp: 725343

Ion Ratio Lower Upper

188 100

94 9.0 9.8 14.8#

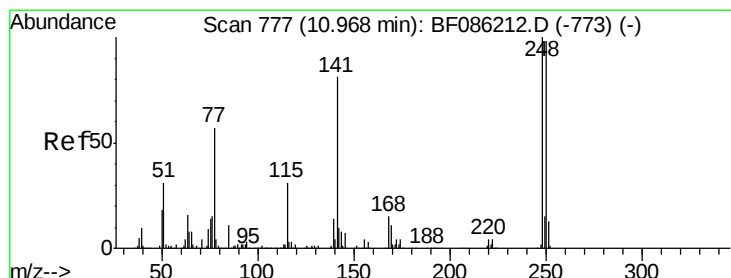
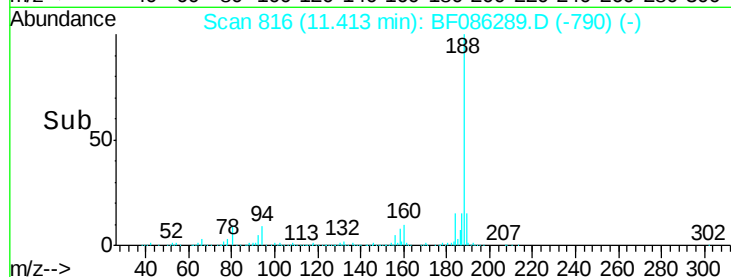
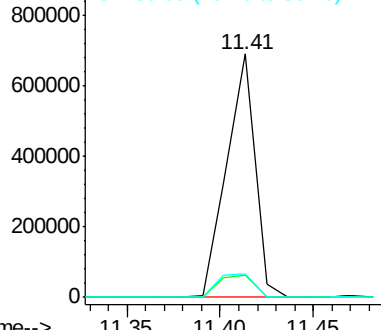
80 9.6 10.5 15.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 2.23 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

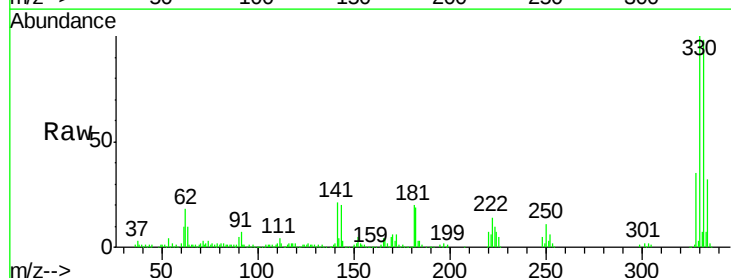
Tgt Ion:248 Resp: 15089

Ion Ratio Lower Upper

248 100

250 210.6 78.6 118.0#

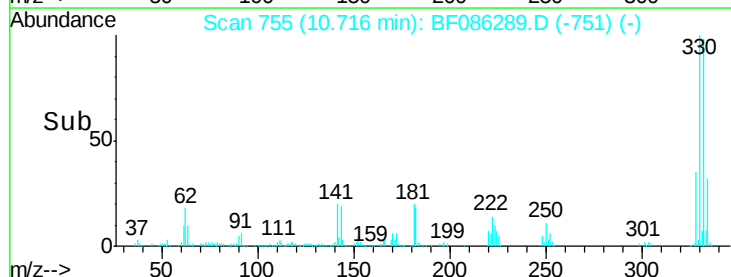
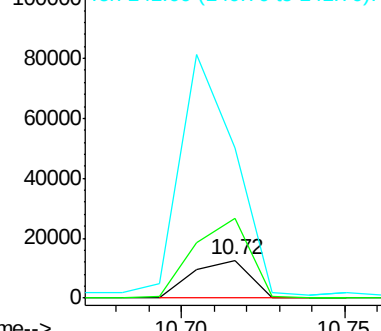
141 400.3 57.9 86.9#

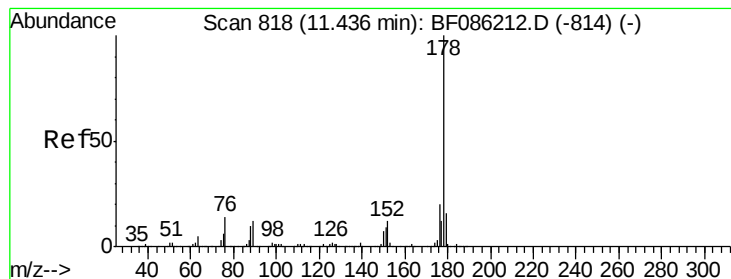


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 56.94 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

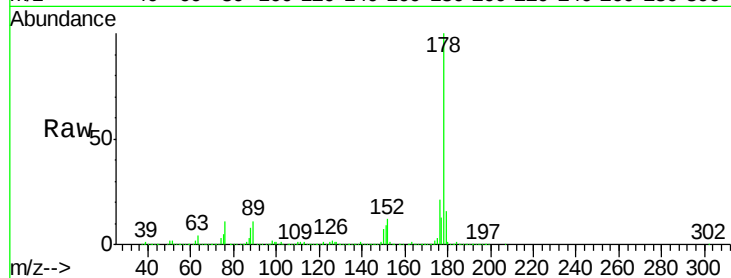
Tgt Ion:178 Resp: 1972742

Ion Ratio Lower Upper

178 100

176 20.9 16.3 24.5

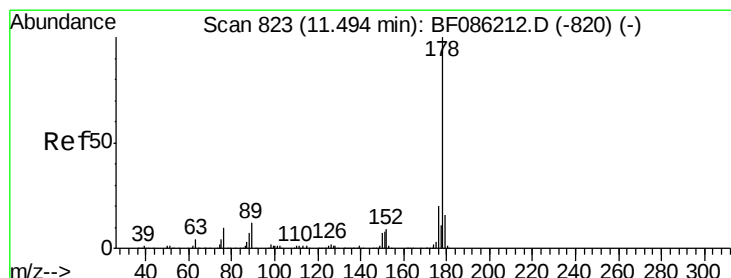
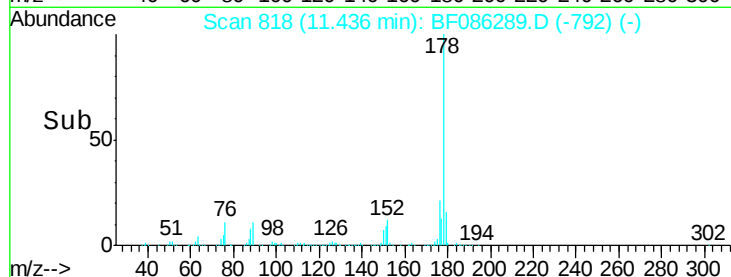
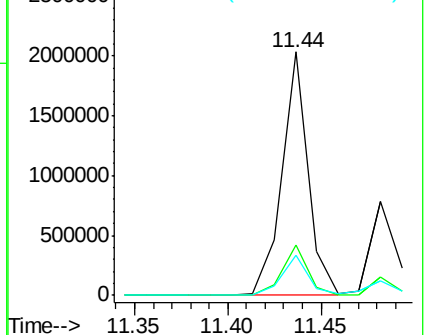
179 16.3 13.0 19.6



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



#71

Anthracene

Concen: 17.63 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

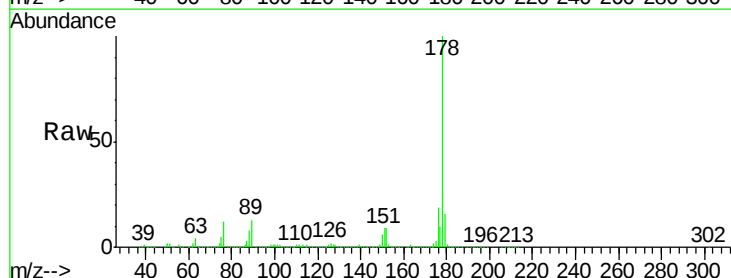
Tgt Ion:178 Resp: 732125

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

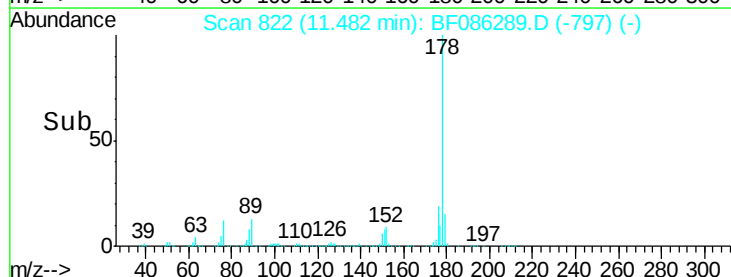
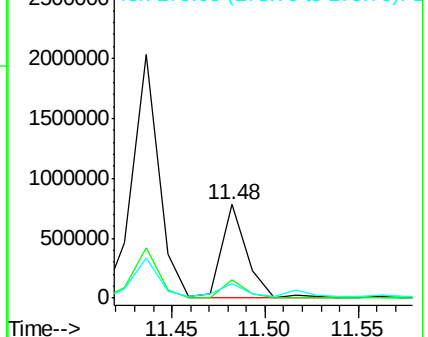
179 15.6 13.2 19.8

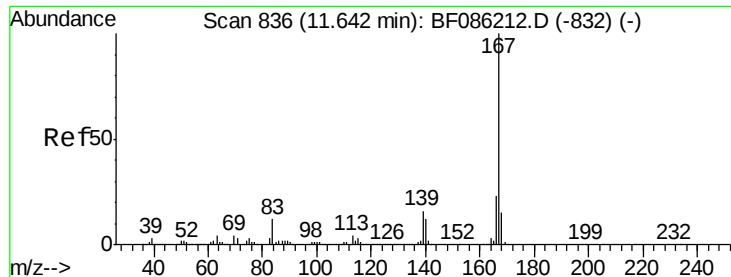


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.41 ng

RT: 11.63 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

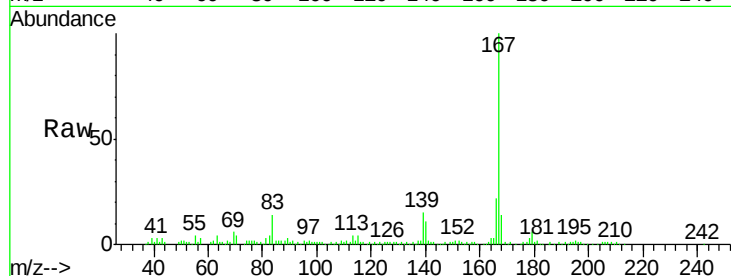
Tgt Ion:167 Resp: 145238

Ion Ratio Lower Upper

167 100

166 22.1 18.3 27.5

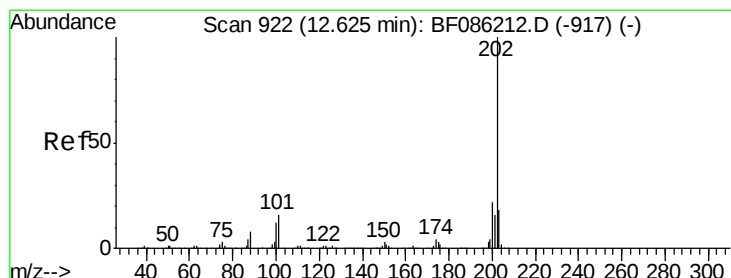
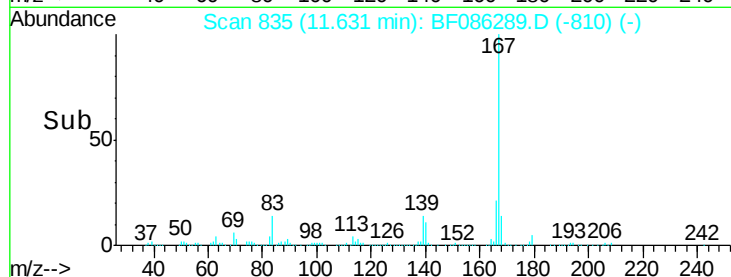
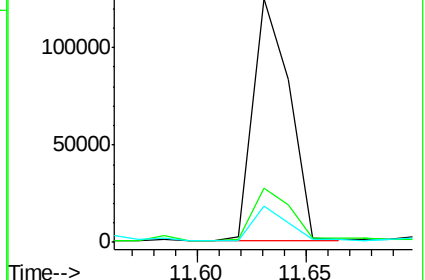
139 14.9 12.3 18.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 69.79 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

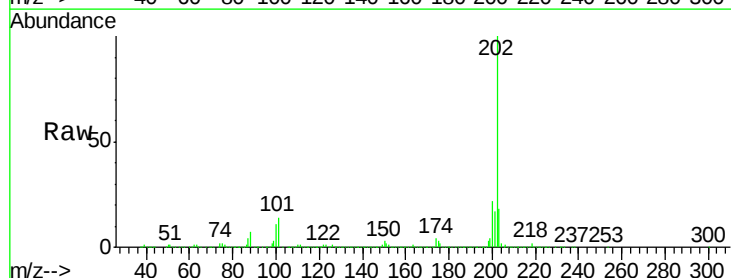
Tgt Ion:202 Resp: 1988820

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.2

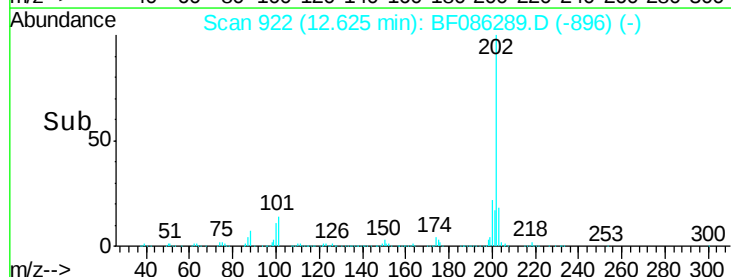
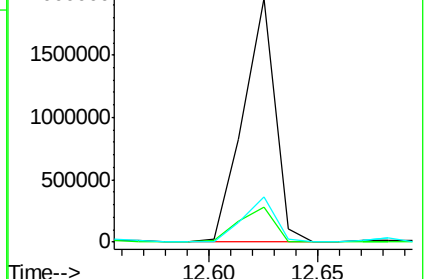
203 18.5 0.0 38.2

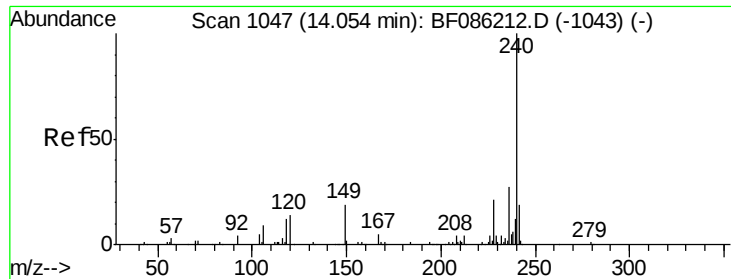


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

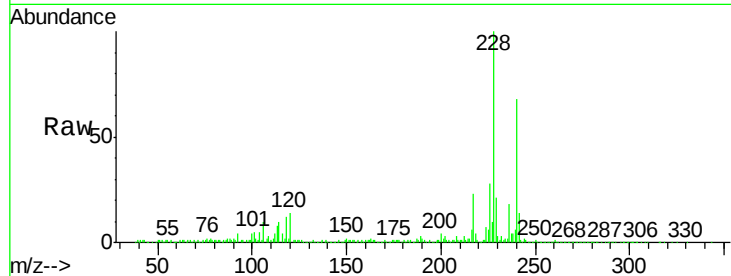
Tgt Ion:240 Resp: 462271

Ion Ratio Lower Upper

240 100

120 20.8 9.3 13.9#

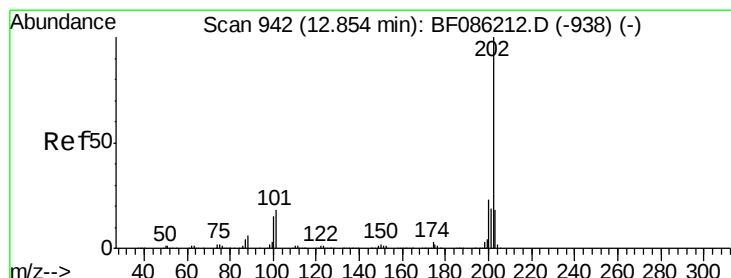
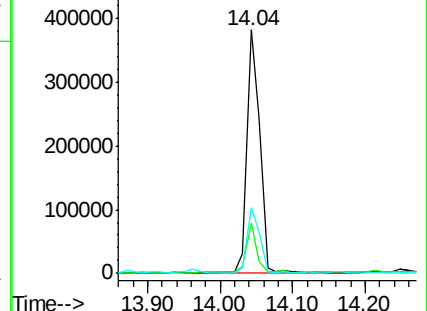
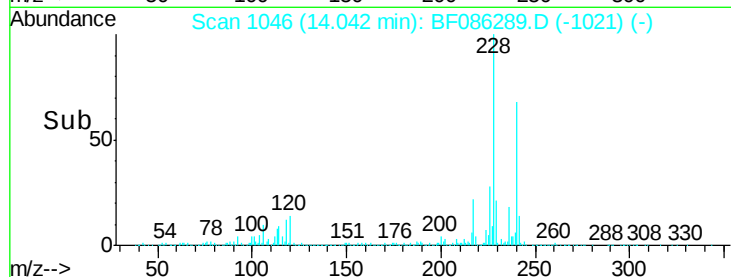
236 26.8 21.1 31.7



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: 56.34 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

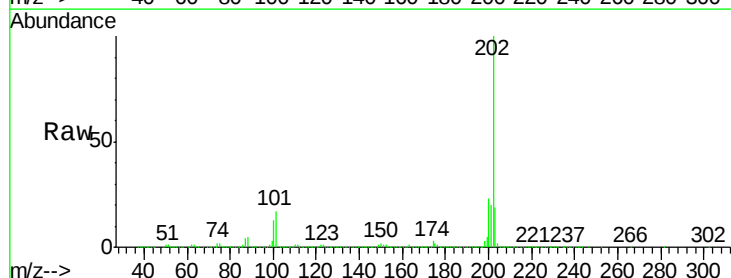
Tgt Ion:202 Resp: 1997986

Ion Ratio Lower Upper

202 100

200 23.0 18.3 27.5

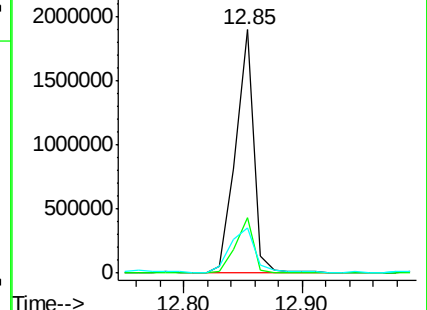
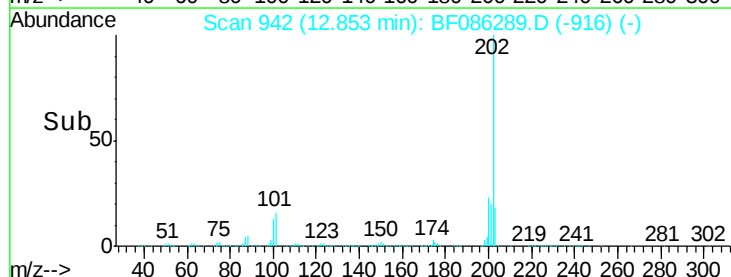
203 18.6 14.9 22.3

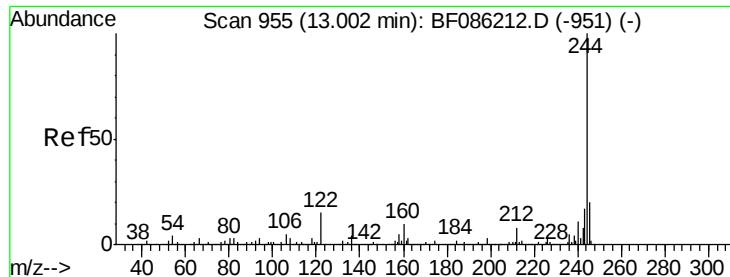


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.03 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

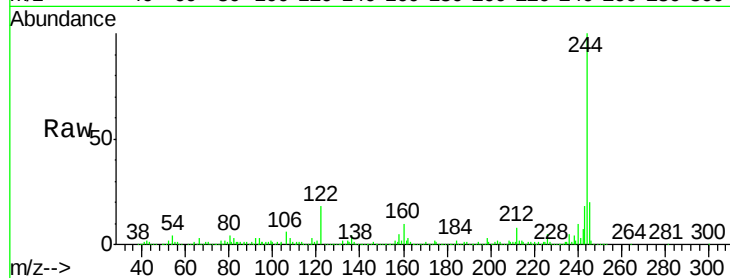
Tgt Ion:244 Resp: 754205

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

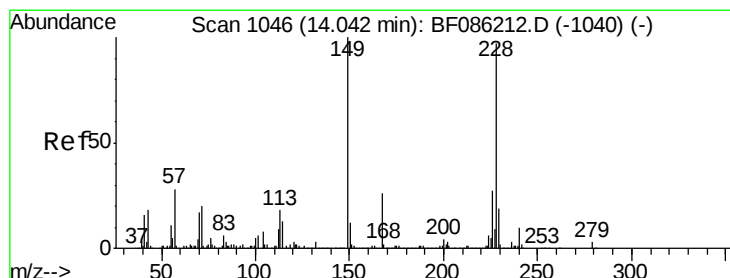
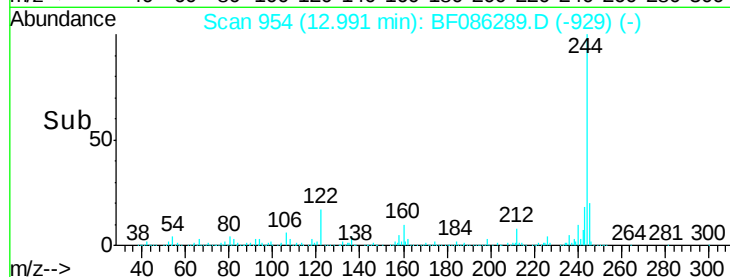
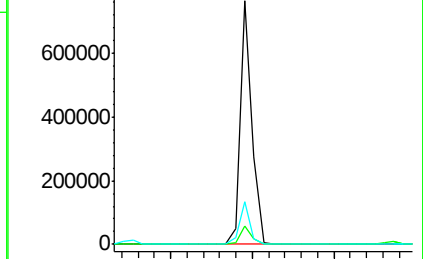
122 17.6 11.7 17.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 44.72 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

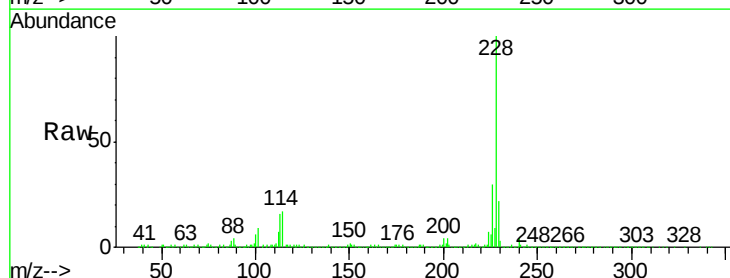
Tgt Ion:228 Resp: 1134956

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

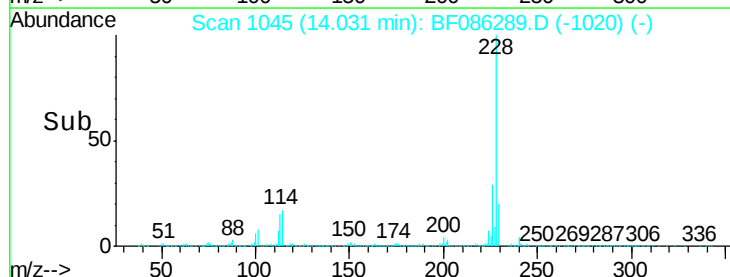
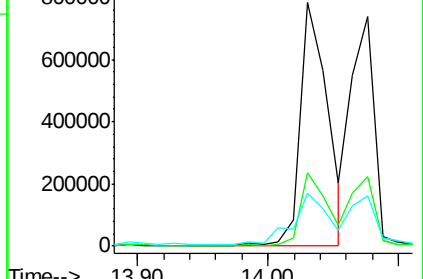
229 21.7 16.2 24.2

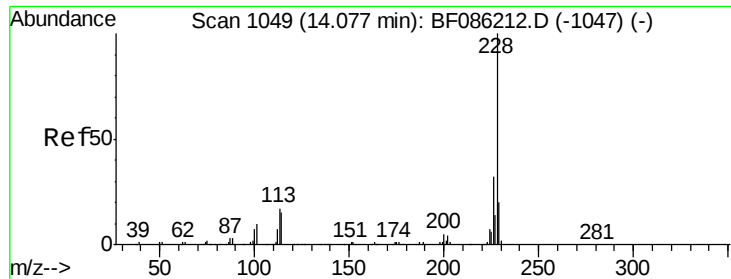


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 33.50 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

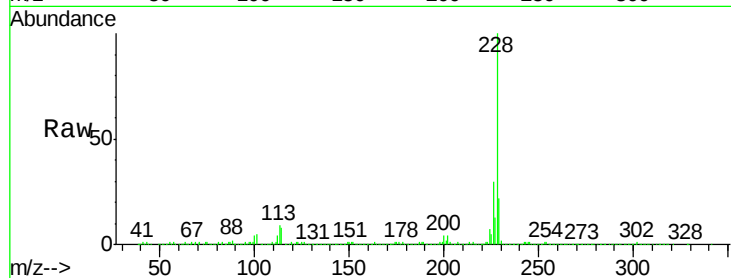
Tgt Ion:228 Resp: 906541

Ion Ratio Lower Upper

228 100

226 30.4 25.4 38.2

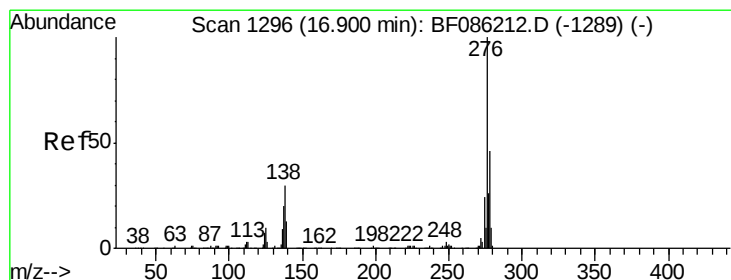
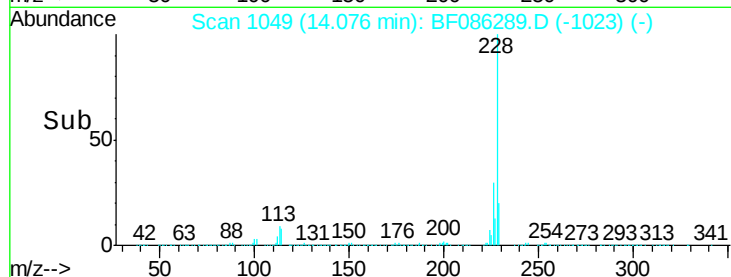
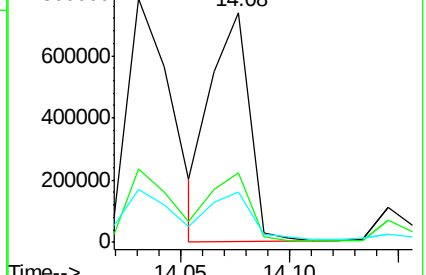
229 21.9 16.5 24.7



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.93 ng

RT: 16.89 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

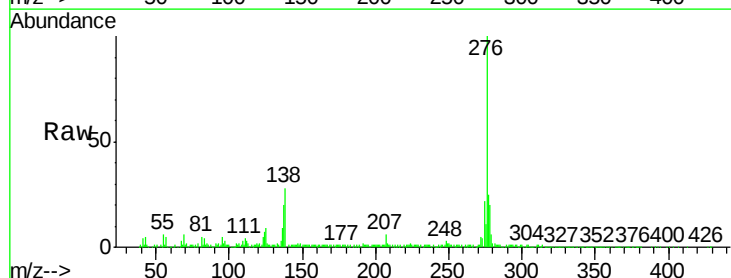
Tgt Ion:276 Resp: 354346

Ion Ratio Lower Upper

276 100

138 29.8 23.8 35.6

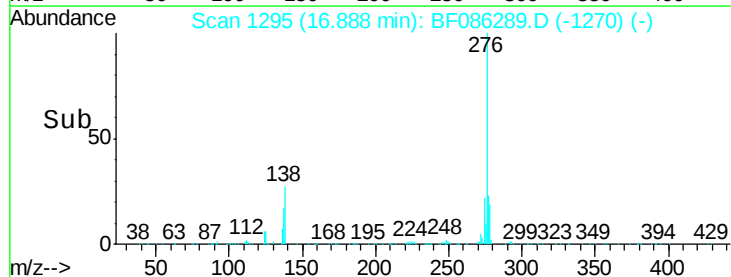
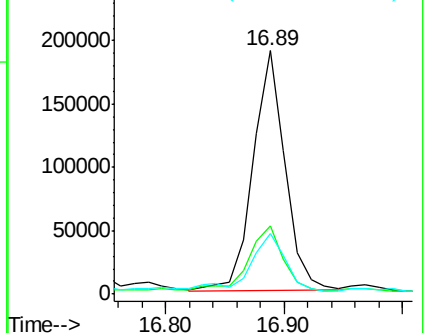
277 27.7 20.2 30.2

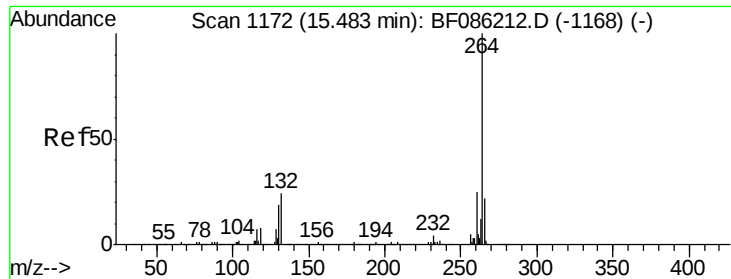


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

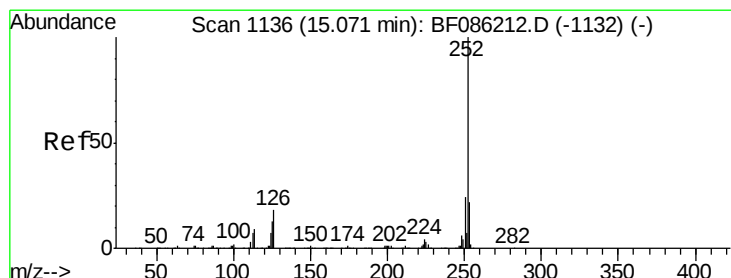
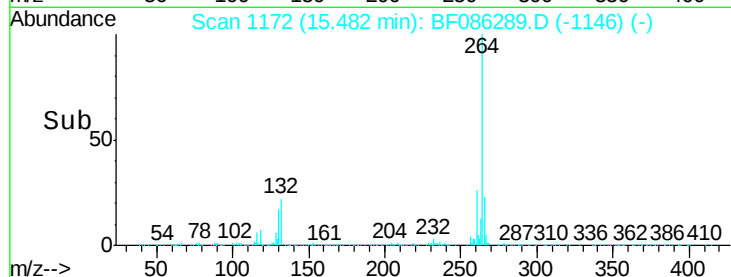
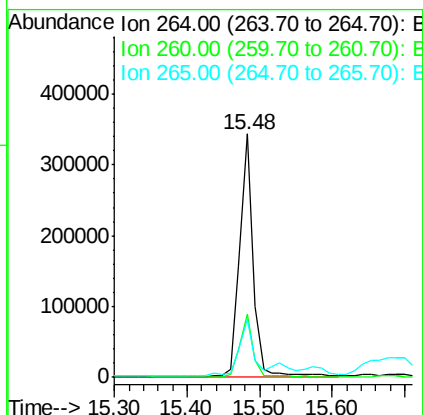
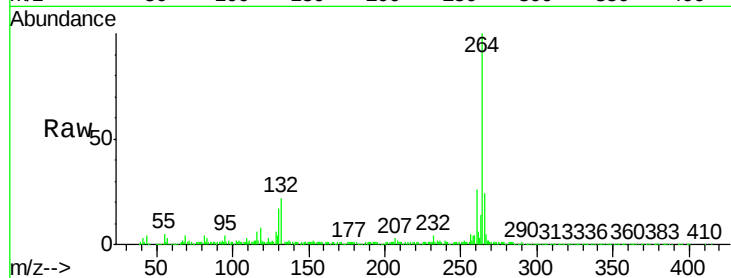




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.48 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BF086289.D  
Acq: 18 Apr 2016 18:39

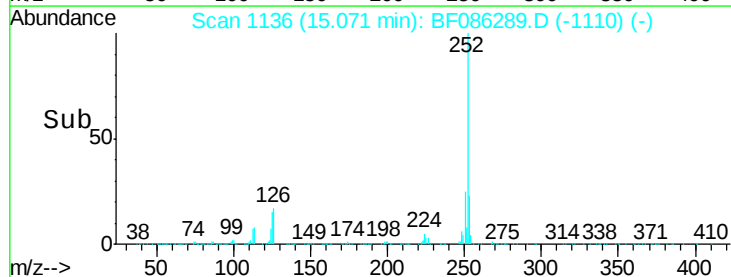
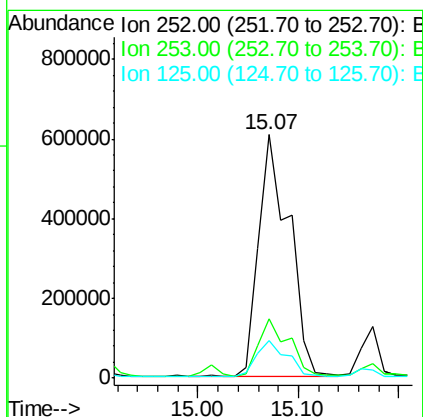
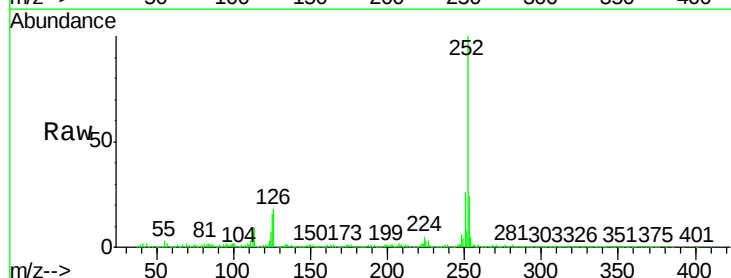
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2-H-8(0-2)

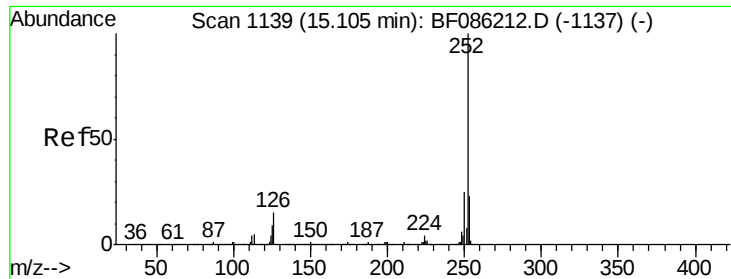
Tgt Ion:264 Resp: 444215  
Ion Ratio Lower Upper  
264 100  
260 26.0 20.0 30.0  
265 23.8 17.4 26.0



#87  
Benzo(b)fluoranthene  
Concen: 46.64 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.00 min  
Lab File: BF086289.D  
Acq: 18 Apr 2016 18:39

Tgt Ion:252 Resp: 1278208  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.7 26.5  
125 15.5 10.3 15.5#

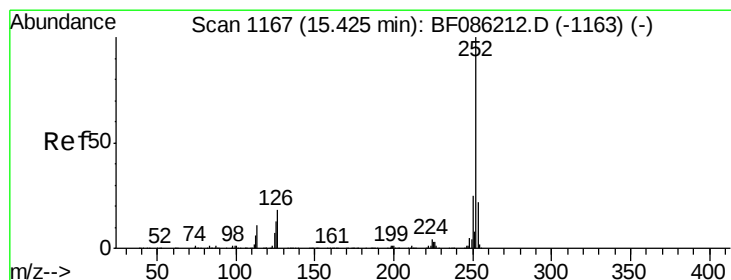
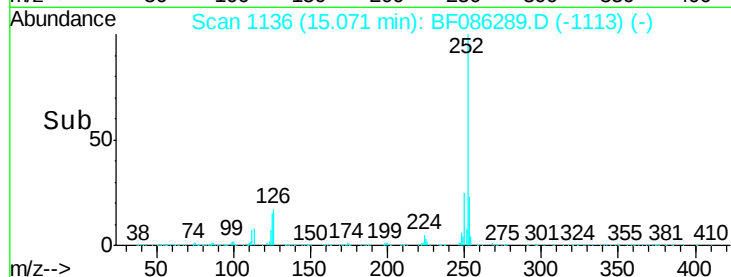
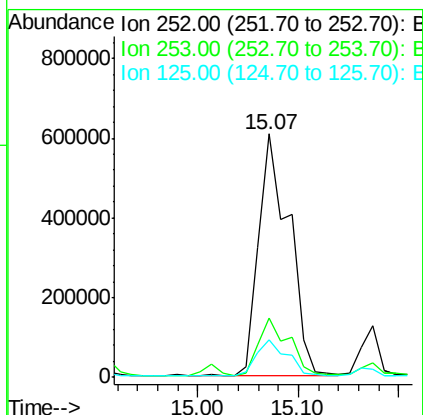
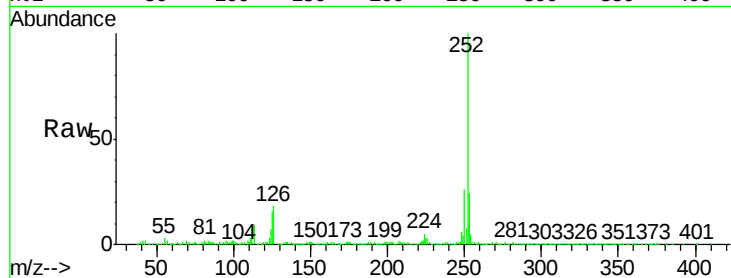




#88  
Benzo(k)fluoranthene  
Concen: 51.15 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.03 min  
Lab File: BF086289.D  
Acq: 18 Apr 2016 18:39

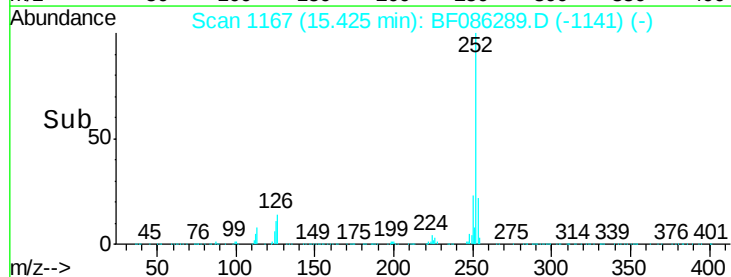
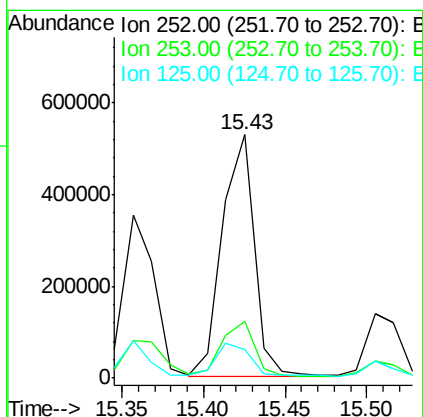
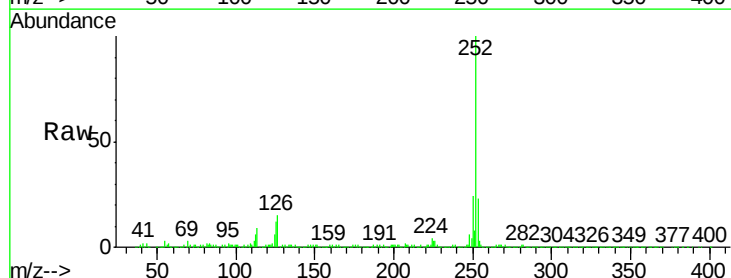
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2-H-8(0-2)

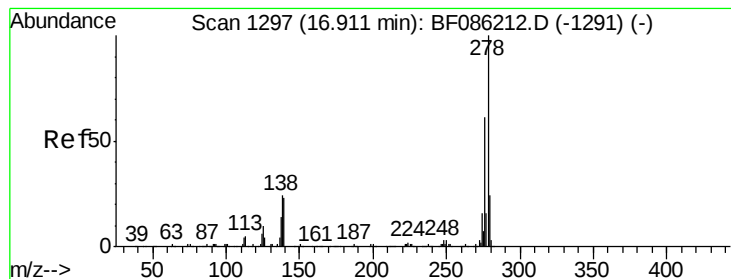
Tgt Ion:252 Resp: 1278208  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.5 26.3  
125 15.5 7.8 11.6#



#89  
Benzo(a)pyrene  
Concen: 30.35 ng  
RT: 15.43 min Scan# 1167  
Delta R.T. -0.00 min  
Lab File: BF086289.D  
Acq: 18 Apr 2016 18:39

Tgt Ion:252 Resp: 720525  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.8  
125 11.5 11.2 16.8





#90

Dibenzo(a,h)anthracene

Concen: 4.04 ng

RT: 16.90 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

Instrument :

BNA\_F

ClientSampleId :

SP-2-H-8(0-2)

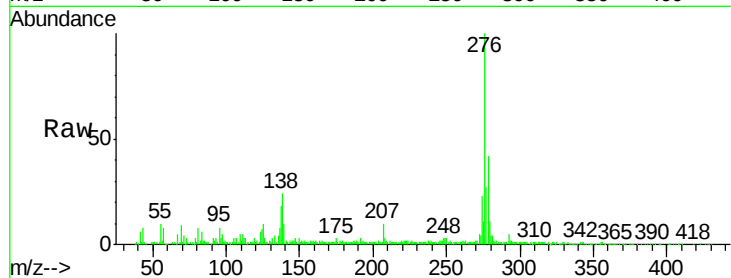
Tgt Ion: 278 Resp: 84790

Ion Ratio Lower Upper

278 100

139 24.5 15.3 22.9#

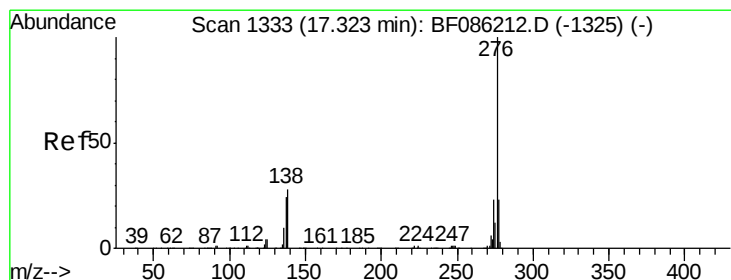
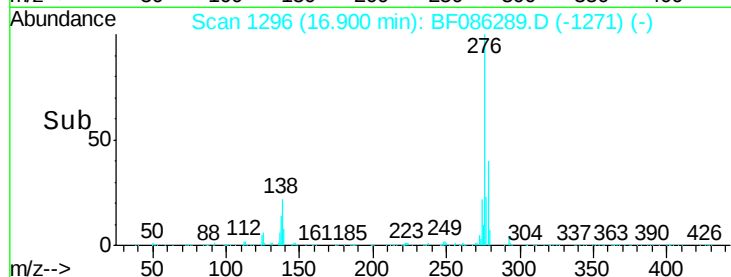
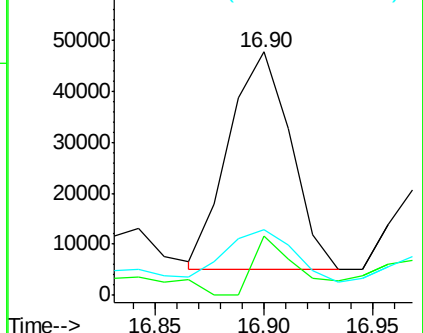
279 27.1 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.25 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF086289.D

Acq: 18 Apr 2016 18:39

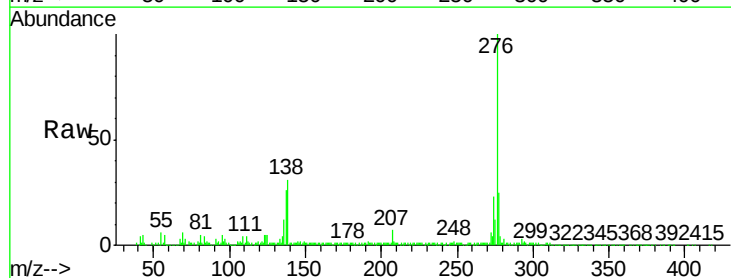
Tgt Ion: 276 Resp: 340230

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 30.8 19.6 29.4#



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

