

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041816\  
 Data File : BF086290.D  
 Acq On : 18 Apr 2016 19:08  
 Operator : UM/SJ  
 Sample : H2413-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-2-I-9(0-2)

Quant Time: Apr 19 00:52:48 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  | 294908   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.17  | 136  | 1049506  | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.93  | 164  | 427984   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.41 | 188  | 651979   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.04 | 240  | 430481   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.48 | 264  | 359014   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.49  | 112  | 2169381  | 120.53 | ng    | 0.01     |
| 7) Phenol-d6                | 6.52  | 99   | 2618210  | 116.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 2073248  | 113.94 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 397912   | 115.78 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 2137870  | 92.18  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.00 | 244  | 1643279  | 95.99  | ng    | 0.00     |

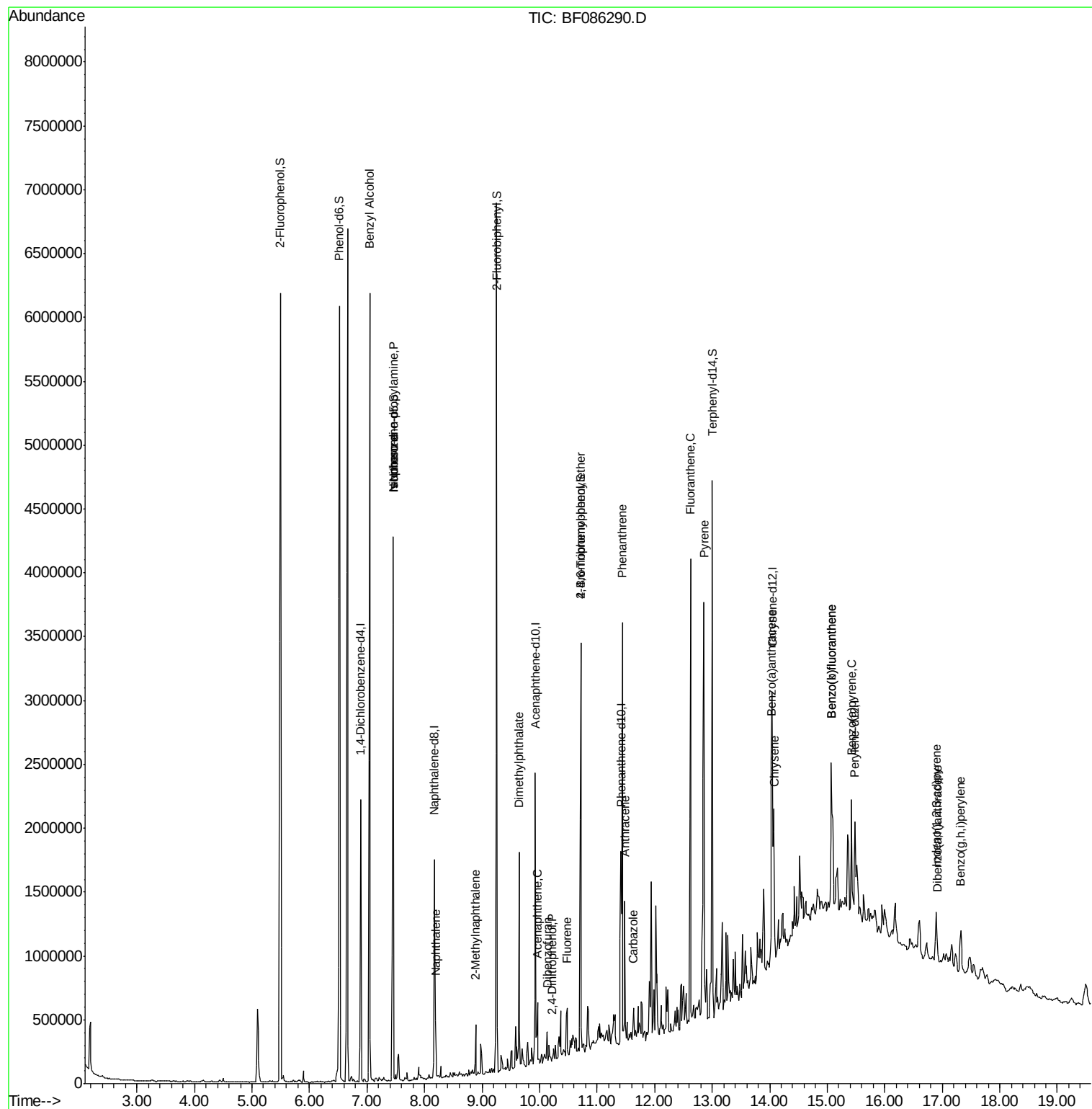
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 15) Benzyl Alcohol             | 7.05  | 79   | 33574    | 2.10      | ng    | # 39   |
| 19) n-Nitroso-di-n-propylamine | 7.46  | 70   | 289979   | 20.13     | ng    | # 76   |
| 22) Acetophenone               | 7.29  | 105  | 4101     | Below Cal |       | # 65   |
| 25) Isophorone                 | 7.46  | 82   | 1826137  | 50.58     | ng    | # 67   |
| 31) Naphthalene                | 8.19  | 128  | 196712   | 4.20      | ng    | 97     |
| 37) 2-Methylnaphthalene        | 8.89  | 142  | 108503   | 3.58      | ng    | 98     |
| 49) Dimethylphthalate          | 9.64  | 163  | 599564   | 19.27     | ng    | 99     |
| 51) Acenaphthene               | 9.96  | 154  | 120818   | 5.05      | ng    | 98     |
| 53) 2,4-Dinitrophenol          | 10.21 | 184  | 206      | 4.39      | ng    | # 41   |
| 54) Dibenzofuran               | 10.13 | 168  | 86940    | 2.75      | ng    | # 95   |
| 57) Fluorene                   | 10.48 | 166  | 137421   | 2.91      | ng    | 98     |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204  | 418      | Below Cal |       | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.72 | 248  | 27058    | 4.45      | ng    | # 1    |
| 70) Phenanthrene               | 11.44 | 178  | 1226707  | 39.39     | ng    | 99     |
| 71) Anthracene                 | 11.48 | 178  | 407552   | 10.08     | ng    | 97     |
| 72) Carbazole                  | 11.63 | 167  | 122891   | 4.15      | ng    | 99     |
| 74) Fluoranthene               | 12.63 | 202  | 1546988  | 59.53     | ng    | 97     |
| 77) Pyrene                     | 12.85 | 202  | 1539146  | 46.60     | ng    | 99     |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 811538   | 34.34     | ng    | 96     |
| 82) Chrysene                   | 14.08 | 228  | 637953   | 25.32     | ng    | 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.90 | 276  | 285086   | 13.76     | ng    | 95     |
| 87) Benzo(b)fluoranthene       | 15.07 | 252  | 925849   | 41.80     | ng    | # 94   |
| 88) Benzo(k)fluoranthene       | 15.07 | 252  | 925849   | 45.84     | ng    | # 91   |
| 89) Benzo(a)pyrene             | 15.43 | 252  | 493577   | 25.73     | ng    | 98     |
| 90) Dibenzo(a,h)anthracene     | 16.91 | 278  | 72553    | 4.28      | ng    | # 85   |
| 91) Benzo(g,h,i)perylene       | 17.32 | 276  | 282687   | 15.68     | ng    | # 95   |

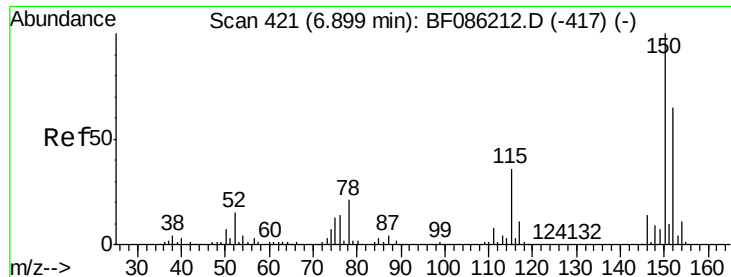
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 15 15:56:31 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

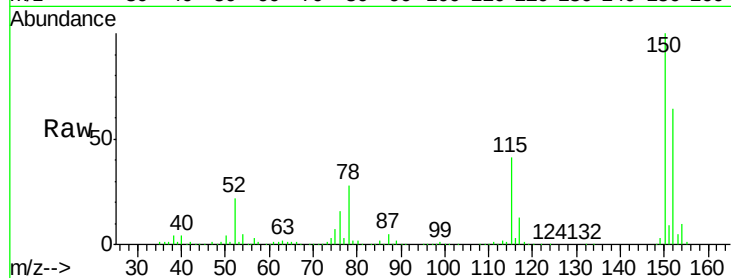
Tgt Ion:152 Resp: 294908

Ion Ratio Lower Upper

152 100

150 156.9 124.1 186.1

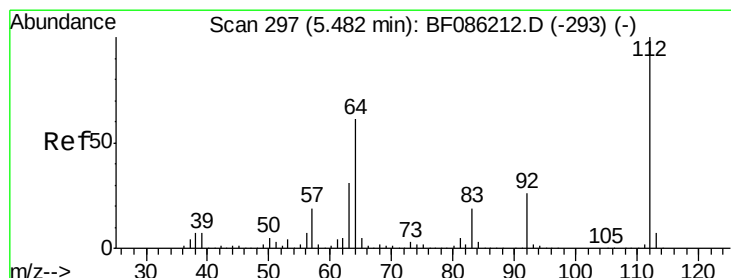
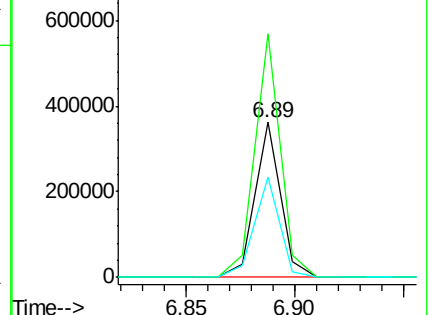
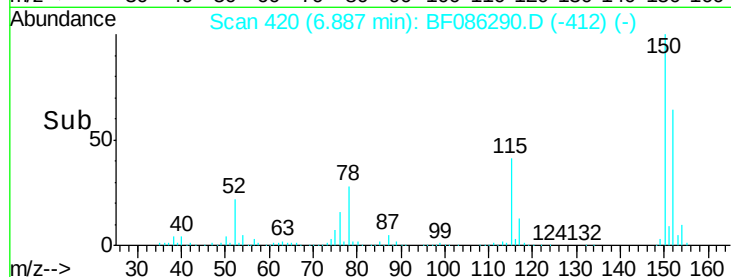
115 64.6 43.9 65.9



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: 120.53 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

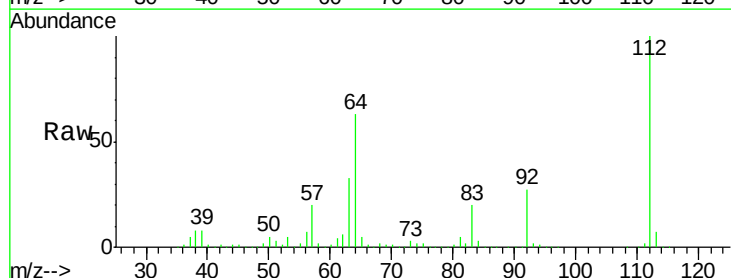
Tgt Ion:112 Resp: 2169381

Ion Ratio Lower Upper

112 100

64 63.4 48.1 72.1

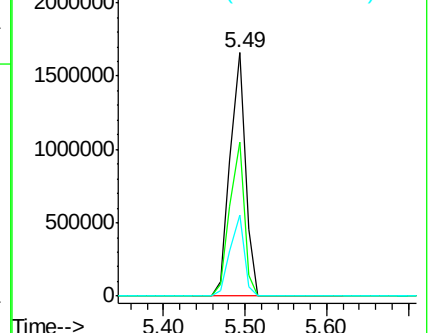
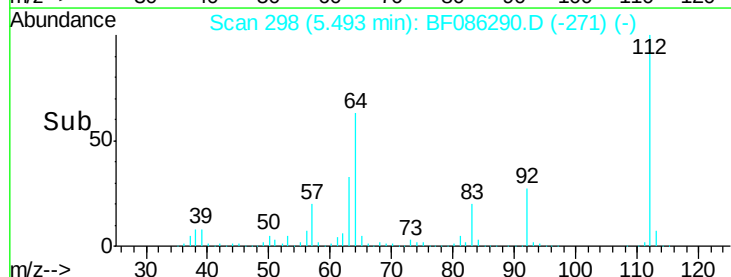
63 33.1 25.5 38.3

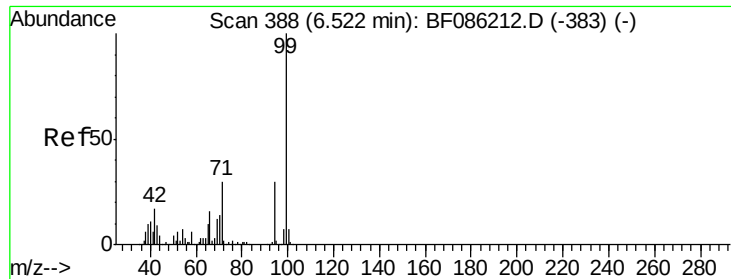


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.29 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

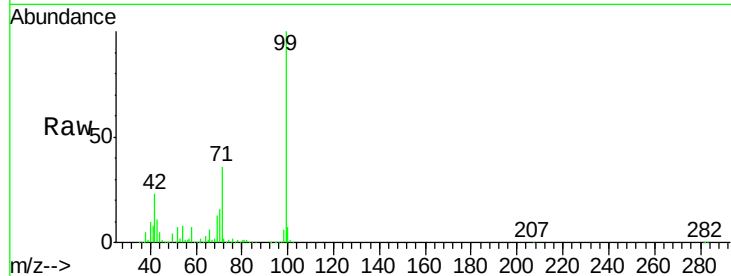
Tgt Ion: 99 Resp: 2618210

Ion Ratio Lower Upper

99 100

42 22.8 15.4 23.2

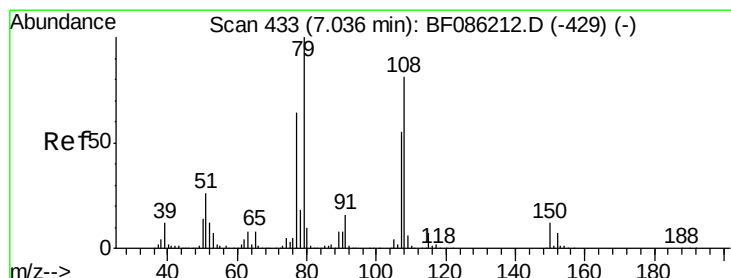
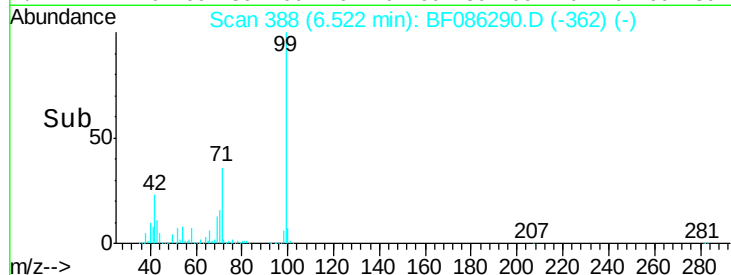
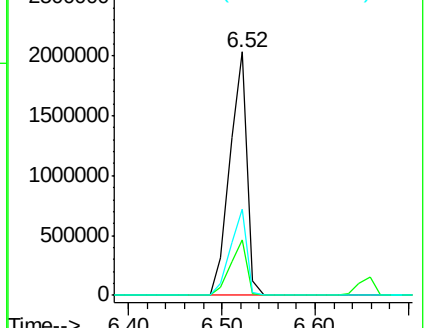
71 35.6 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

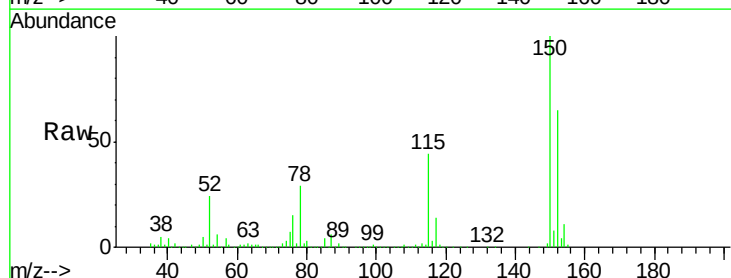
Tgt Ion: 79 Resp: 33574

Ion Ratio Lower Upper

79 100

108 34.1 64.8 97.2#

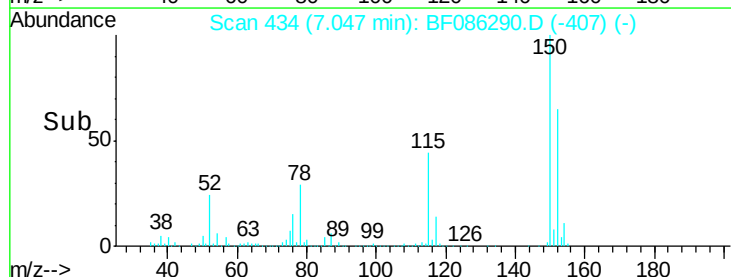
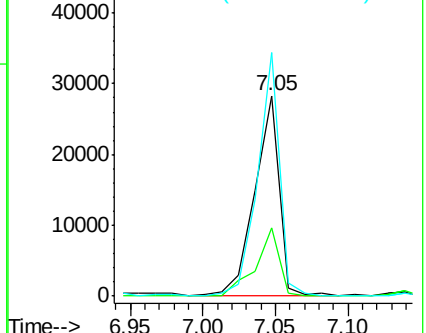
77 121.3 51.9 77.9#

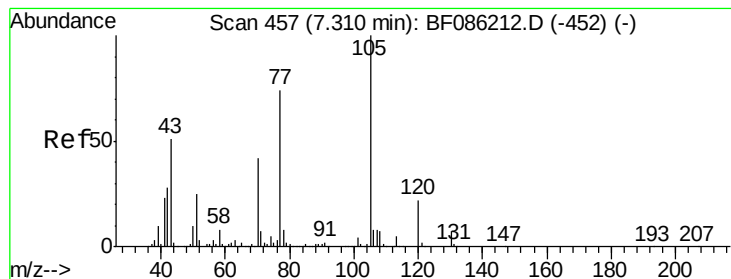


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 20.13 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

Tgt Ion: 70 Resp: 289979

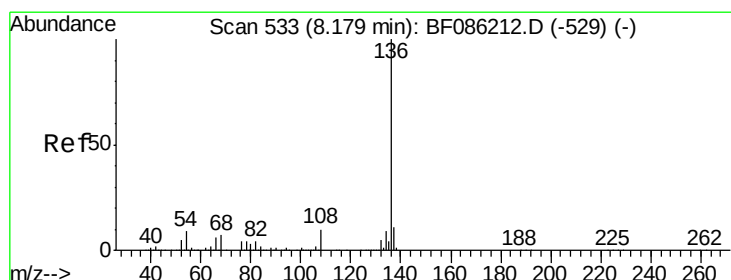
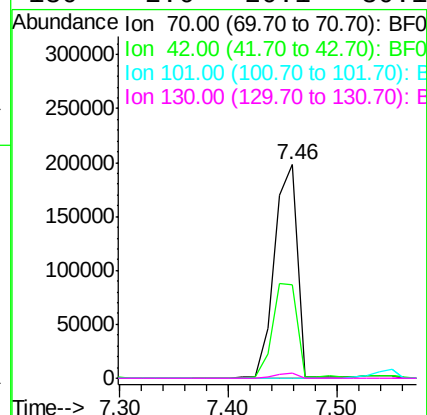
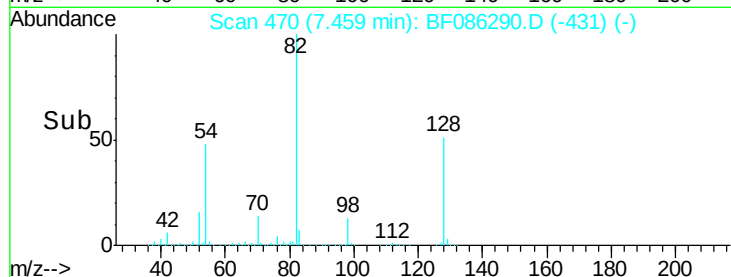
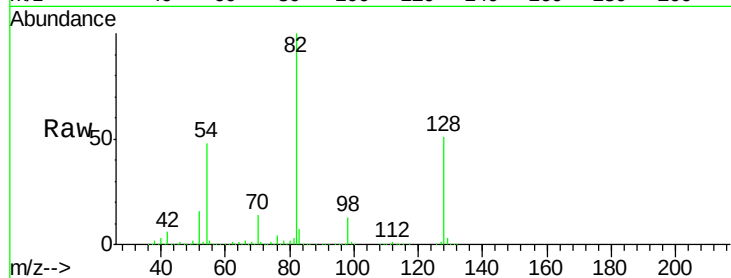
Ion Ratio Lower Upper

70 100

42 43.8 43.0 64.4

101 0.0 8.1 12.1#

130 2.6 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: BF086290.D

Acq: 18 Apr 2016 19:08

Tgt Ion: 136 Resp: 1049506

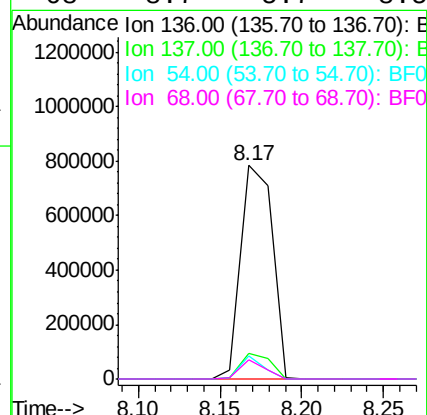
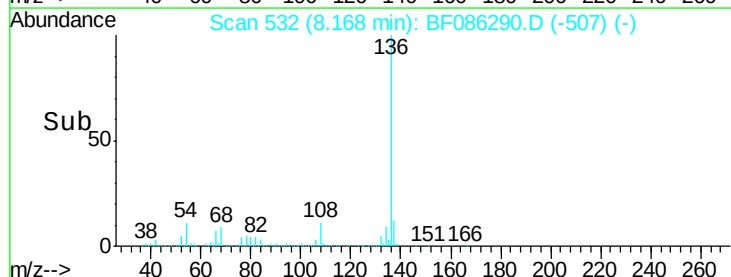
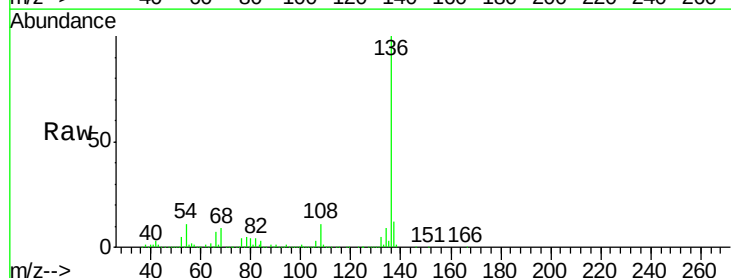
Ion Ratio Lower Upper

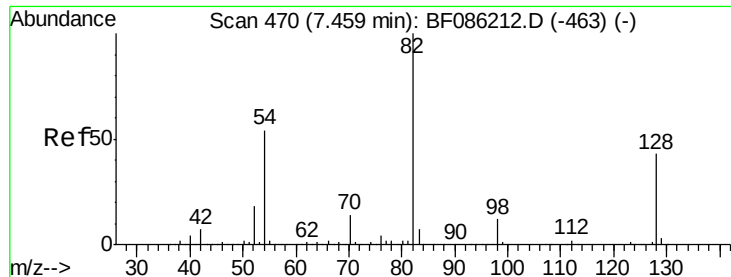
136 100

137 11.8 9.1 13.7

54 10.6 7.3 10.9

68 8.7 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 113.94 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

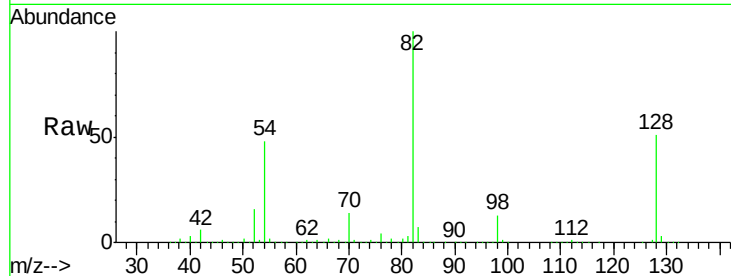
Tgt Ion: 82 Resp: 2073248

Ion Ratio Lower Upper

82 100

128 51.0 35.4 53.2

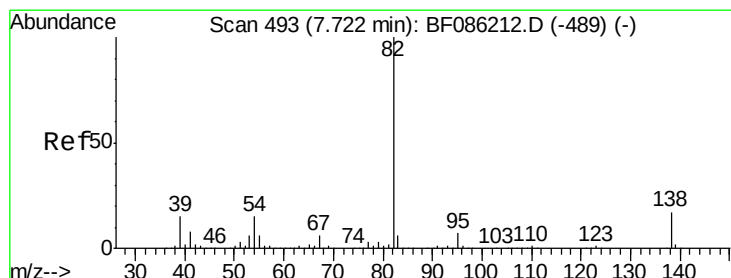
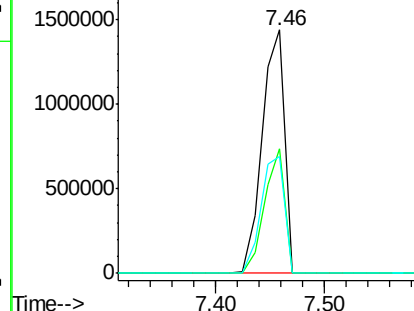
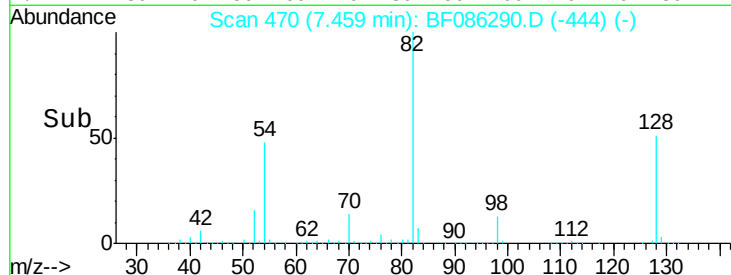
54 48.1 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 50.58 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.26 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

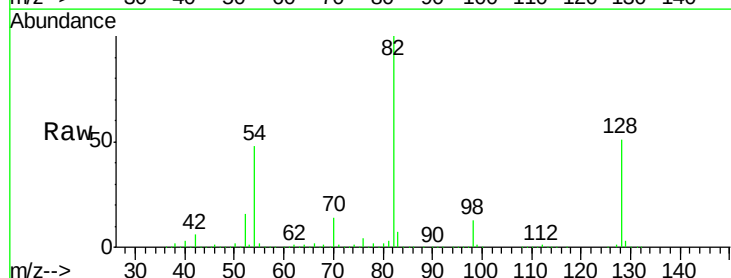
Tgt Ion: 82 Resp: 1826137

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

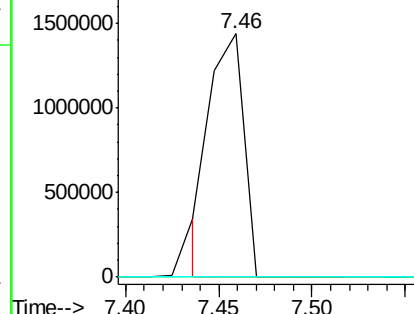
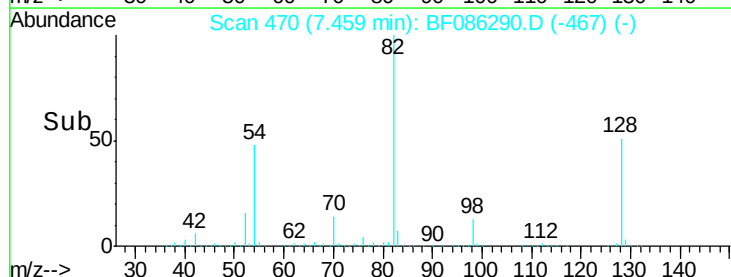
138 0.0 13.4 20.2#

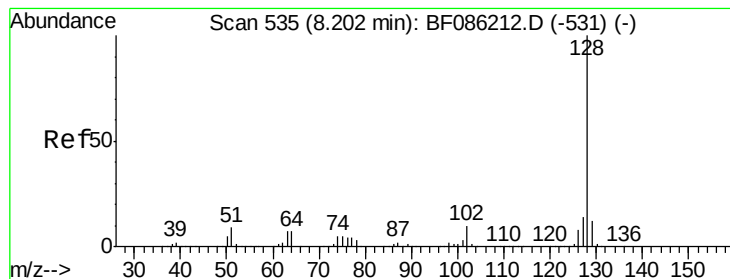


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 4.20 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.01 min

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Acq: 18 Apr 2016 19:08

Instrument :

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ClientSampleId :

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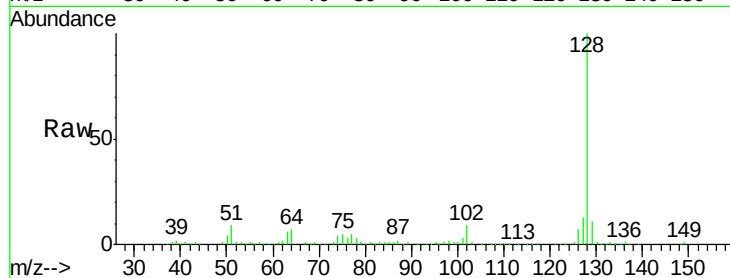
Tgt Ion:128 Resp: 196712

Ion Ratio Lower Upper

128 100

129 11.0 9.6 14.4

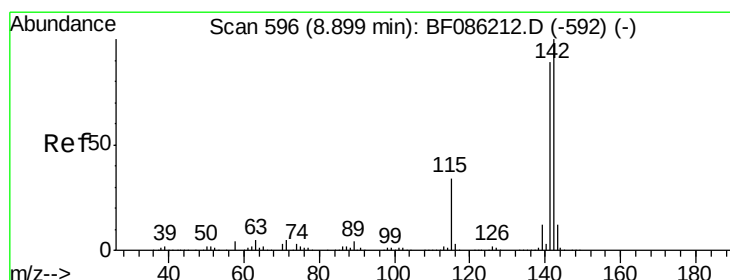
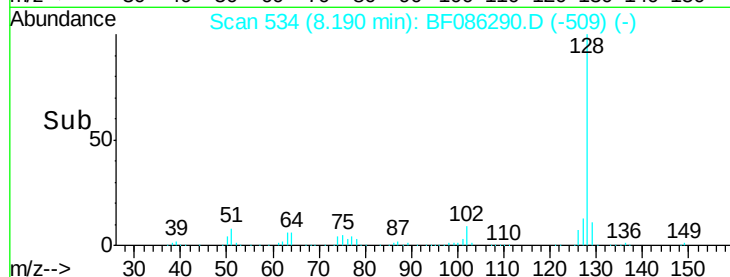
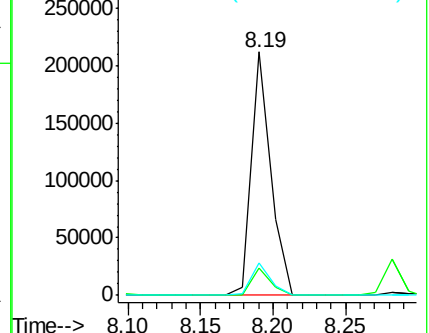
127 13.2 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.58 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

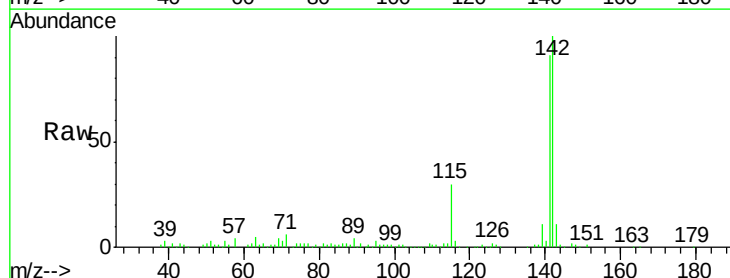
Tgt Ion:142 Resp: 108503

Ion Ratio Lower Upper

142 100

141 90.9 71.1 106.7

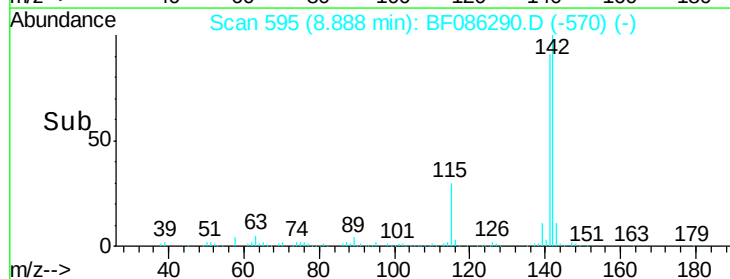
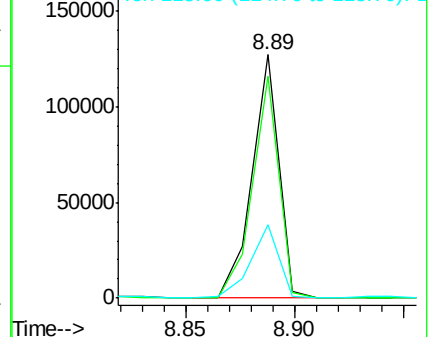
115 30.4 25.1 37.7

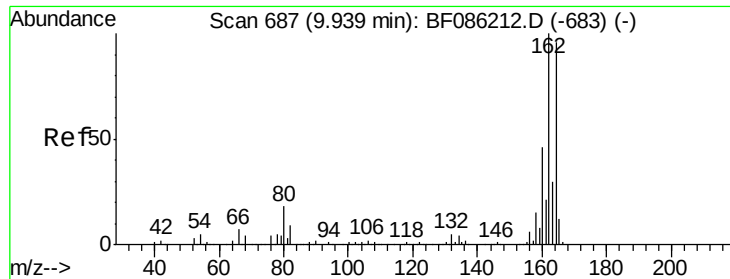


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

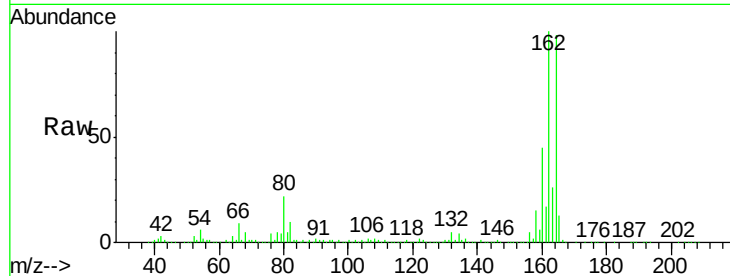
Tgt Ion:164 Resp: 427984

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

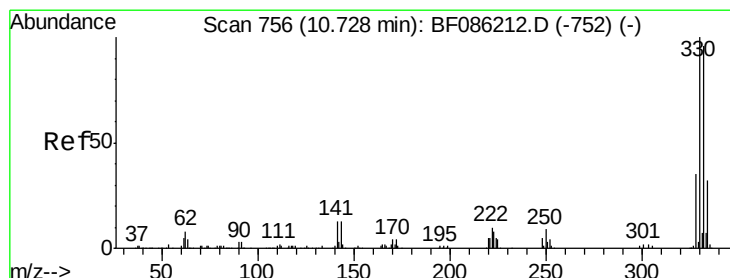
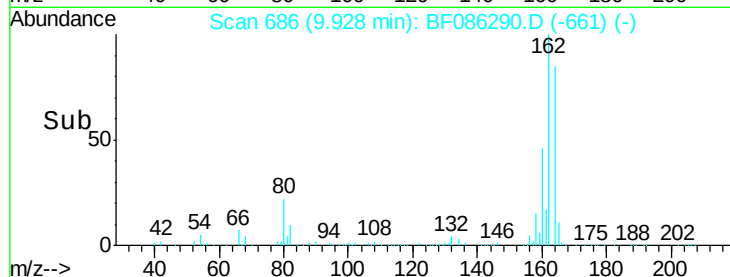
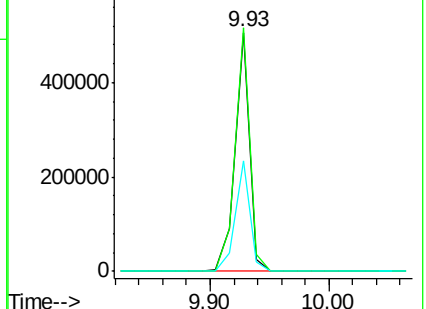
160 46.0 38.9 58.3



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: 115.78 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

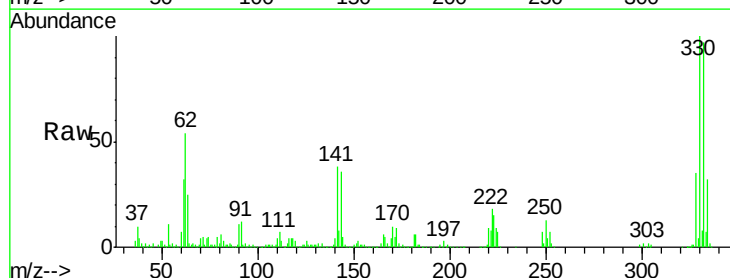
Tgt Ion:330 Resp: 397912

Ion Ratio Lower Upper

330 100

332 97.1 78.7 118.1

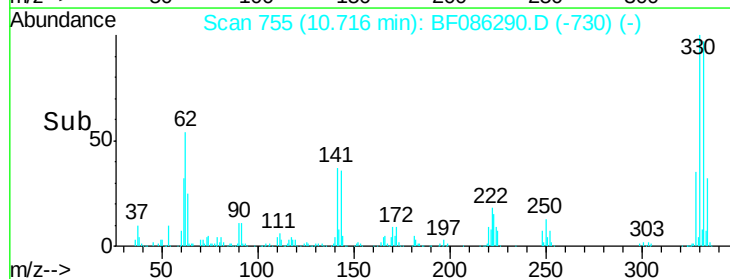
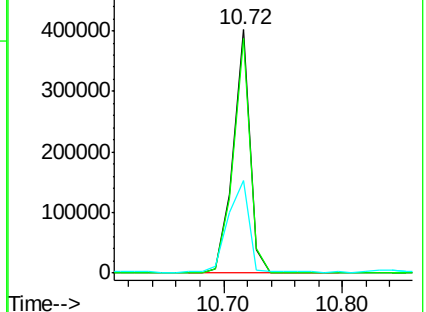
141 45.7 28.6 42.8#



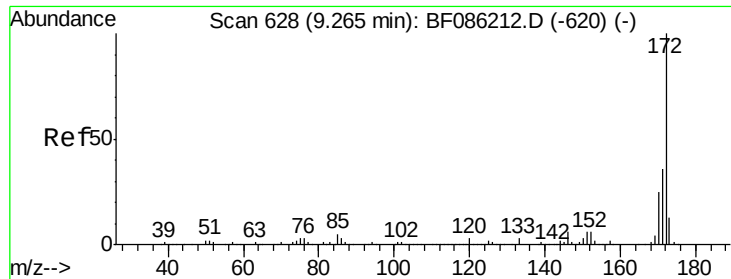
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



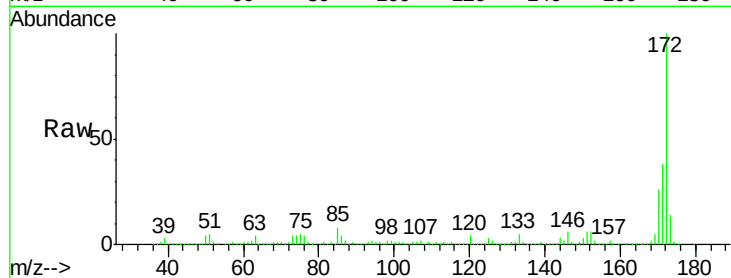




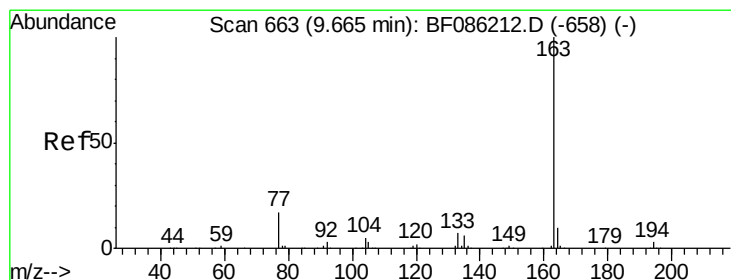
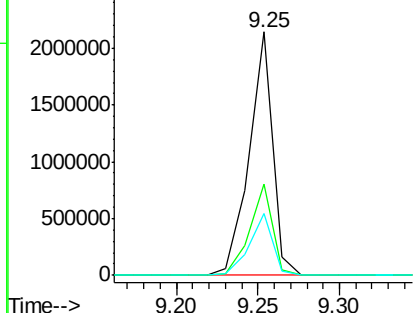
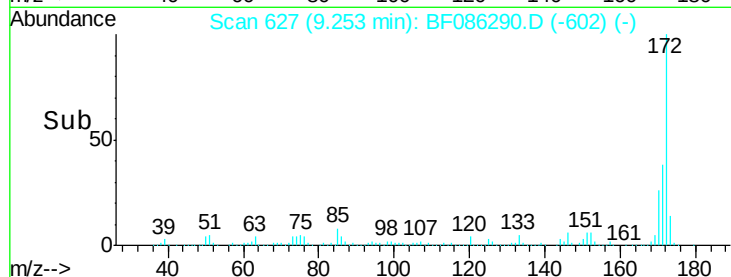
#44  
 2-Fluorobiphenyl  
 Concen: 92.18 ng  
 RT: 9.25 min Scan# 627  
 Delta R.T. -0.01 min  
 Lab File: BF086290.D  
 Acq: 18 Apr 2016 19:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-2-I-9(0-2)

Tgt Ion:172 Resp: 2137870  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.1 43.7  
 170 25.5 19.9 29.9

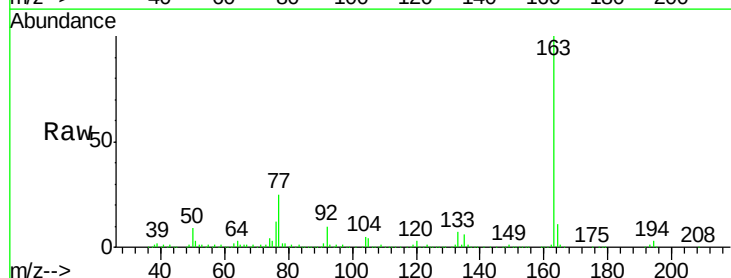


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

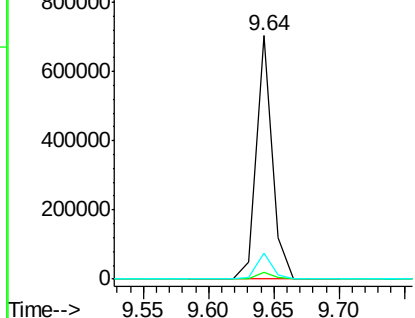
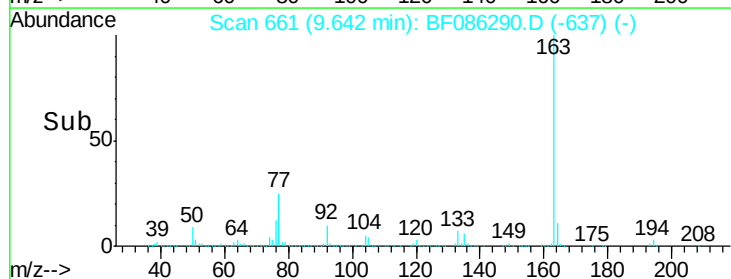


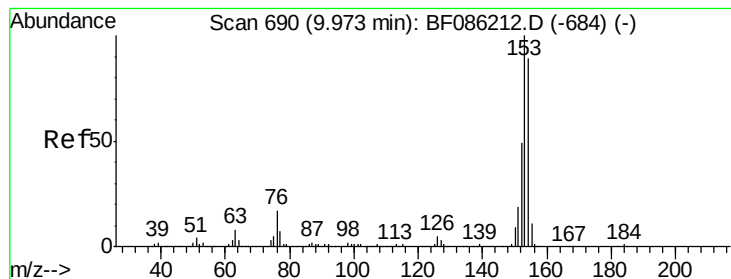
#49  
 Dimethylphthalate  
 Concen: 19.27 ng  
 RT: 9.64 min Scan# 661  
 Delta R.T. -0.02 min  
 Lab File: BF086290.D  
 Acq: 18 Apr 2016 19:08

Tgt Ion:163 Resp: 599564  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 2.8 4.2  
 164 10.6 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: 5.05 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

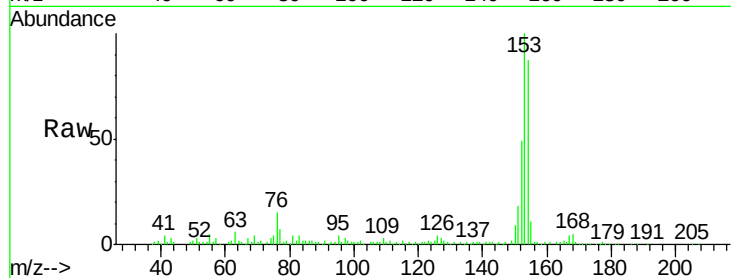
Tgt Ion:154 Resp: 120818

Ion Ratio Lower Upper

154 100

153 115.3 90.0 135.0

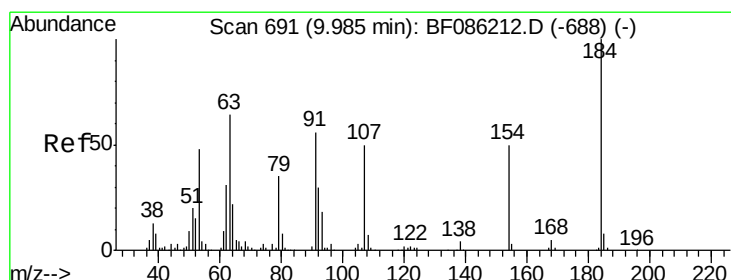
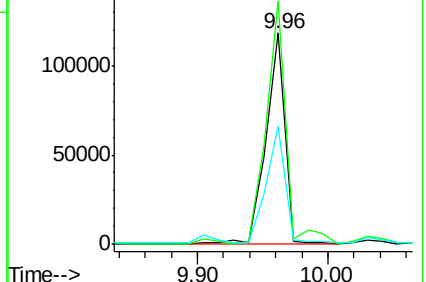
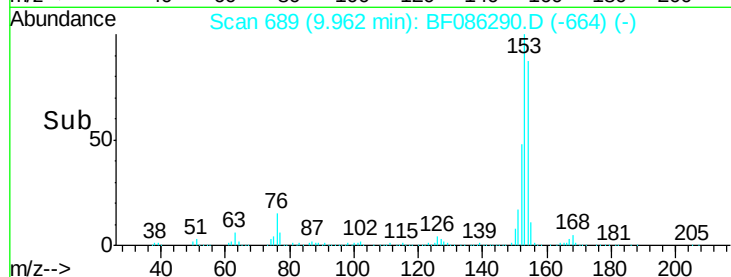
152 56.0 44.3 66.5



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



#53

2,4-Dinitrophenol

Concen: 4.39 ng

RT: 10.21 min Scan# 711

Delta R.T. 0.23 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

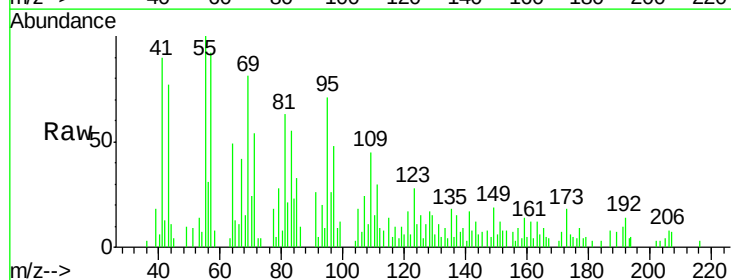
Tgt Ion:184 Resp: 206

Ion Ratio Lower Upper

184 100

63 110.3 64.7 97.1#

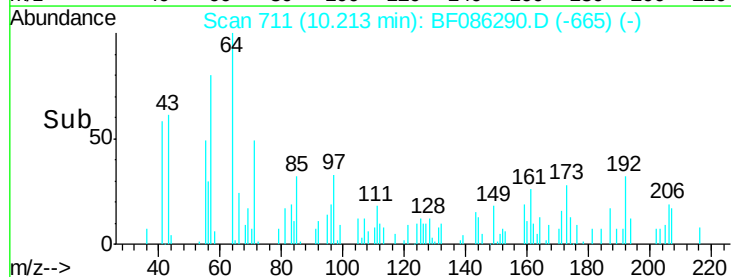
154 0.0 59.4 89.2#



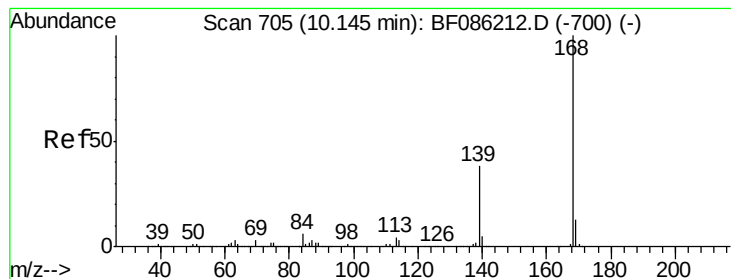
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



Time-->



#54

Dibenzenofuran

Concen: 2.75 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

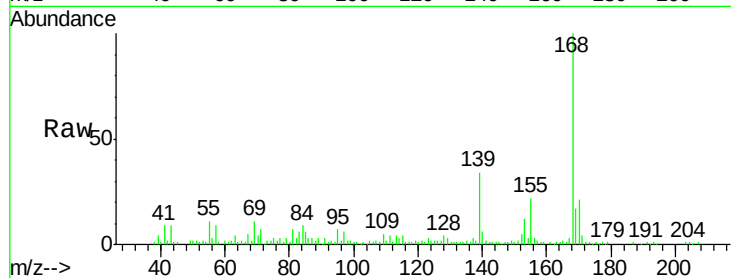
Tgt Ion:168 Resp: 86940

Ion Ratio Lower Upper

168 100

139 34.5 29.5 44.3

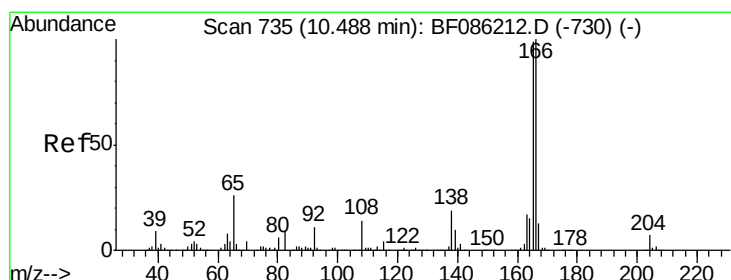
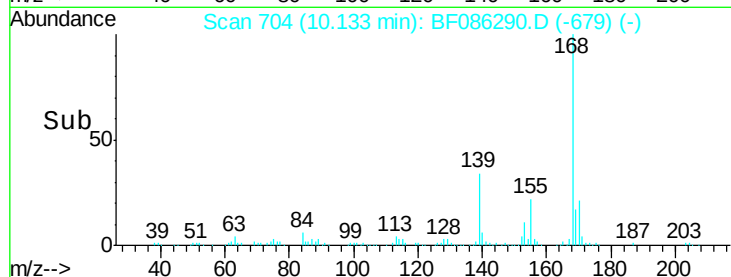
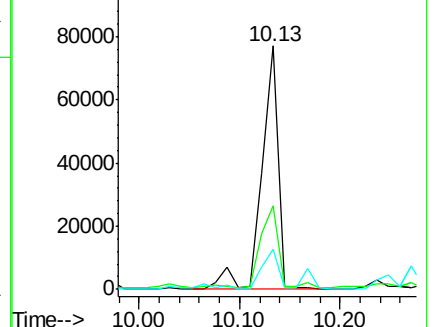
169 16.7 10.6 16.0#



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: 2.91 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

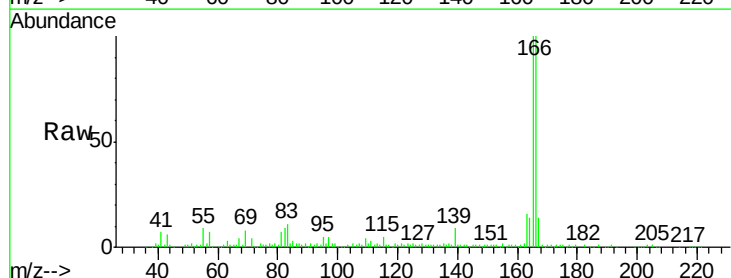
Tgt Ion:166 Resp: 137421

Ion Ratio Lower Upper

166 100

165 100.3 78.6 117.8

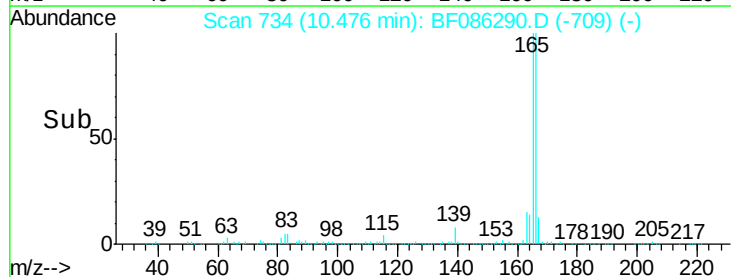
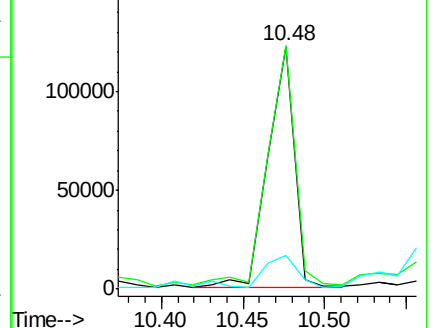
167 13.9 10.4 15.6

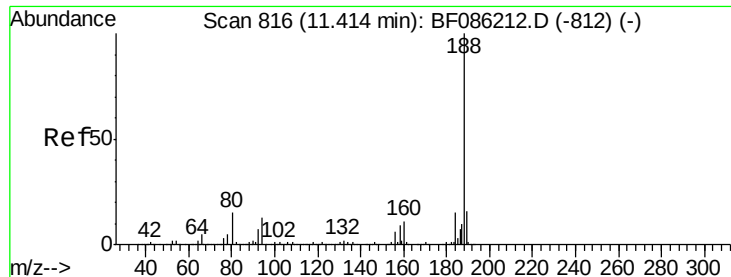


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

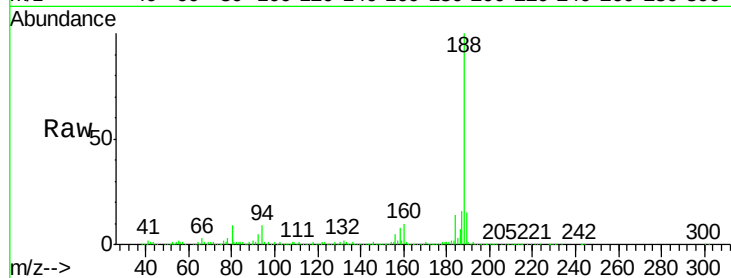
Tgt Ion:188 Resp: 651979

Ion Ratio Lower Upper

188 100

94 8.8 9.8 14.8#

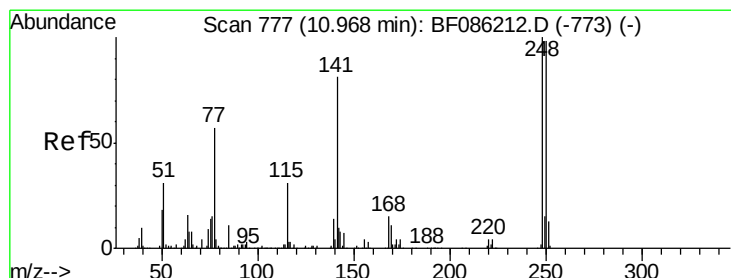
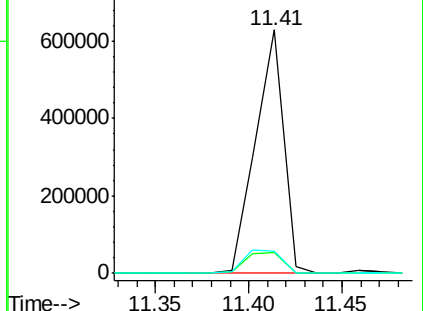
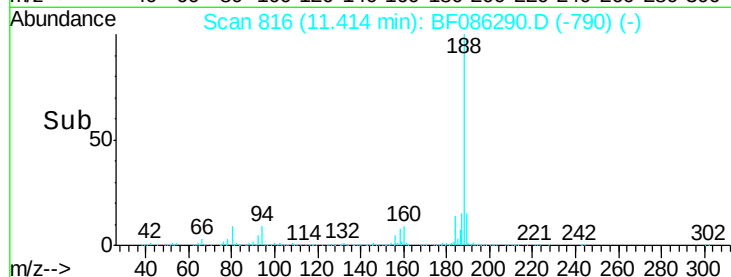
80 9.2 10.5 15.7#



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: 4.45 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

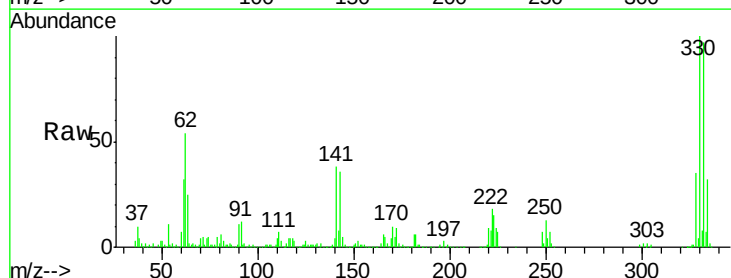
Tgt Ion:248 Resp: 27058

Ion Ratio Lower Upper

248 100

250 192.3 78.6 118.0#

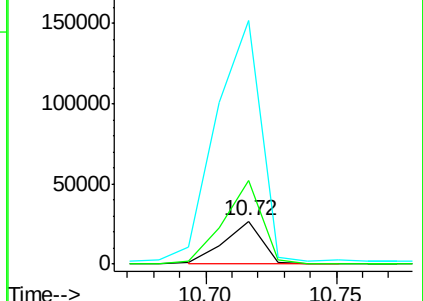
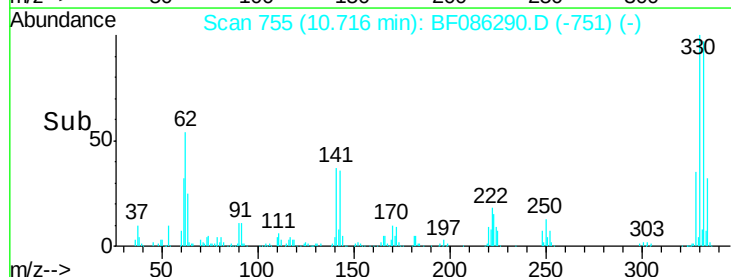
141 563.5 57.9 86.9#

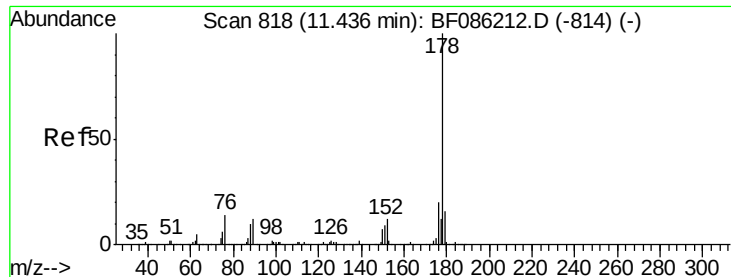


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 39.39 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

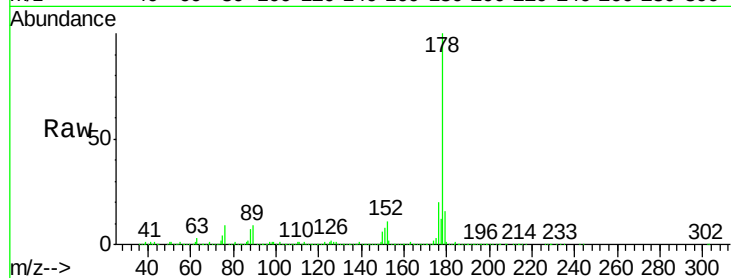
Tgt Ion:178 Resp: 1226707

Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

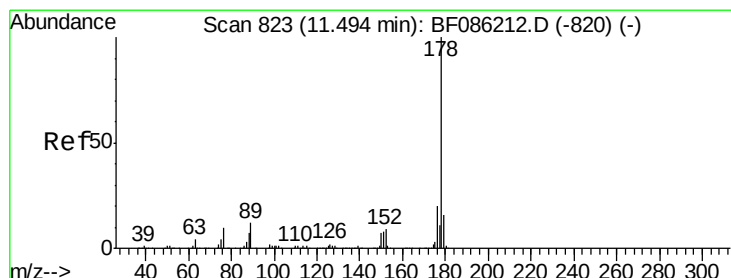
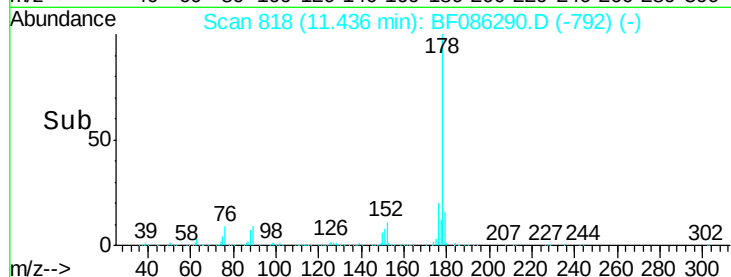
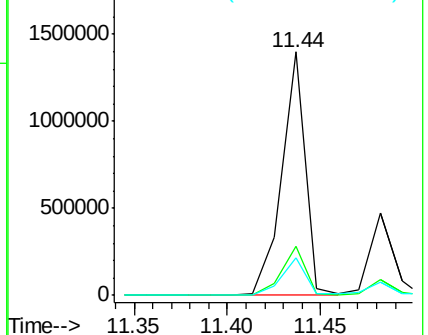
179 15.7 13.0 19.6



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: 10.08 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

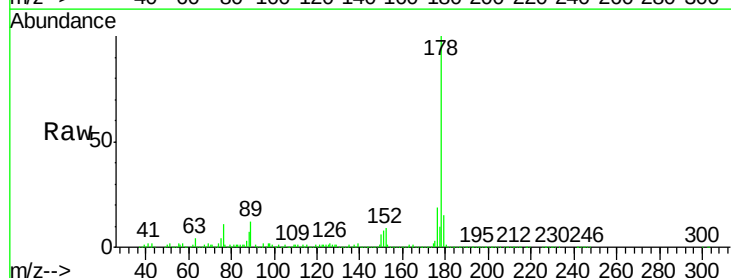
Tgt Ion:178 Resp: 407552

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

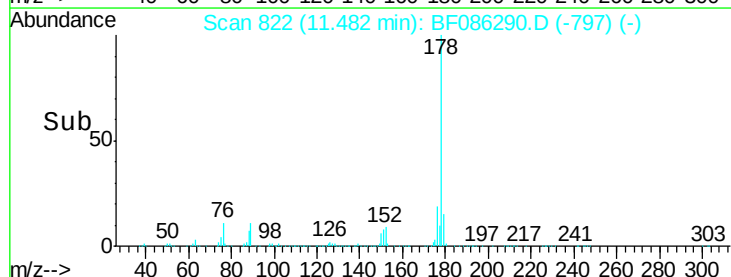
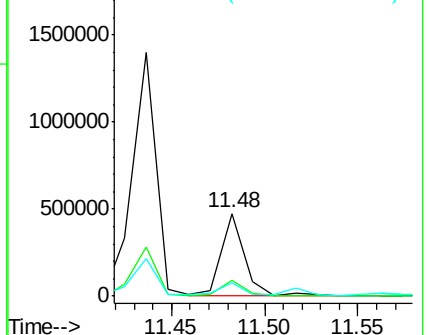
179 15.4 13.2 19.8

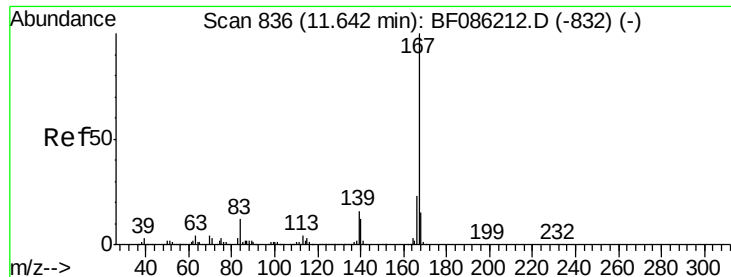


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.15 ng

RT: 11.63 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

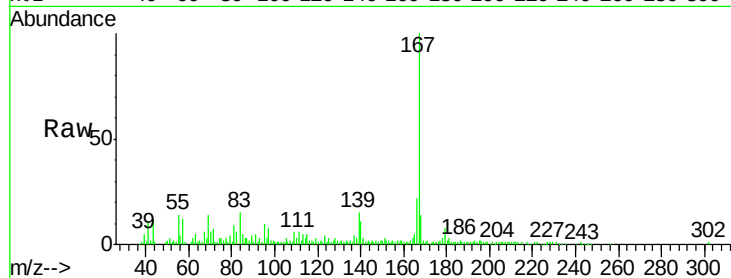
Tgt Ion:167 Resp: 122891

Ion Ratio Lower Upper

167 100

166 22.3 18.3 27.5

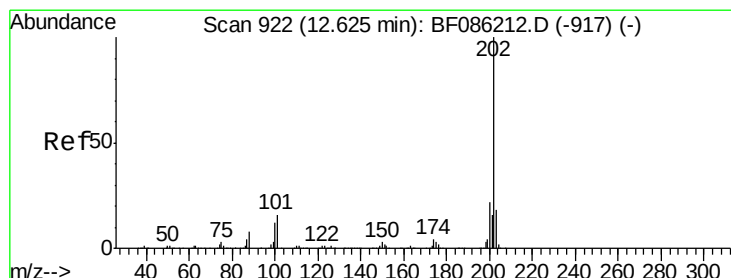
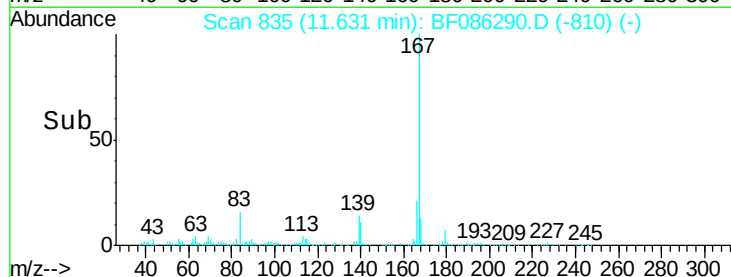
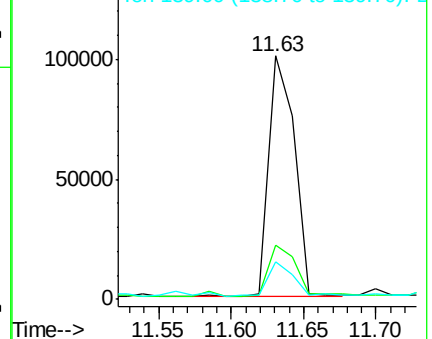
139 15.4 12.3 18.5



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: 59.53 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

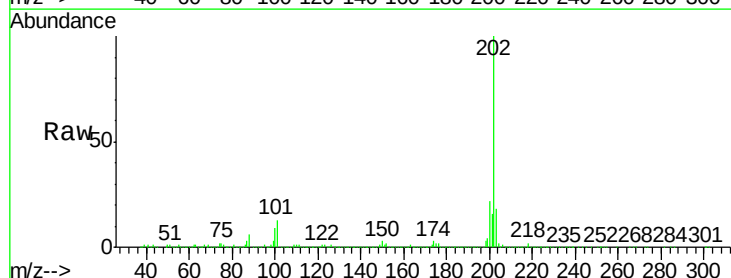
Tgt Ion:202 Resp: 1546988

Ion Ratio Lower Upper

202 100

101 12.7 0.0 35.2

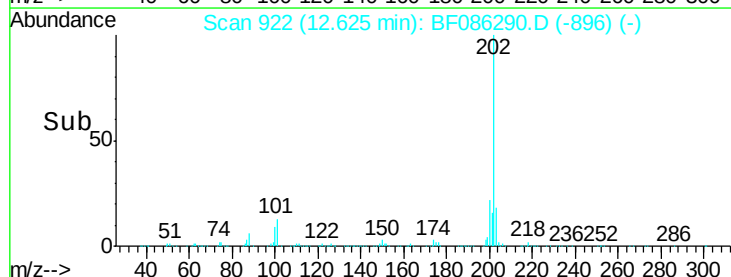
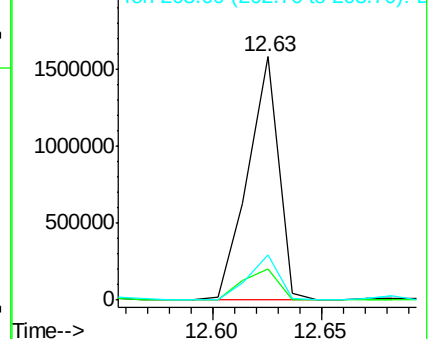
203 18.4 0.0 38.2

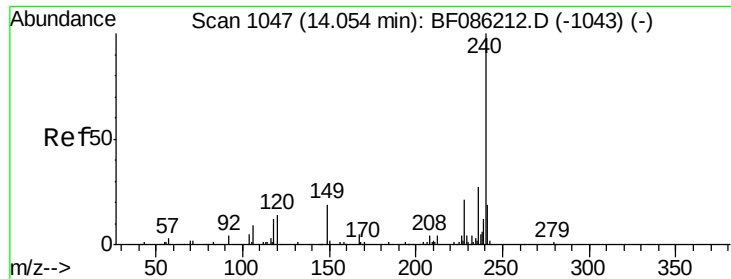


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

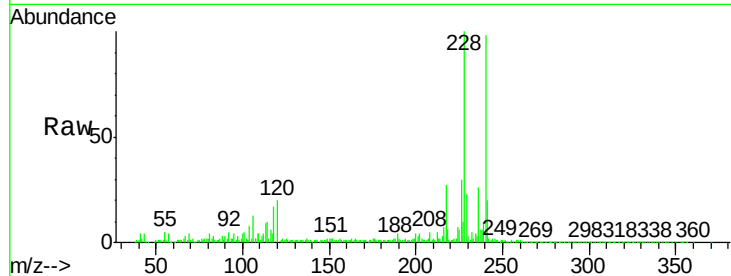
Tgt Ion:240 Resp: 430481

Ion Ratio Lower Upper

240 100

120 20.3 9.3 13.9#

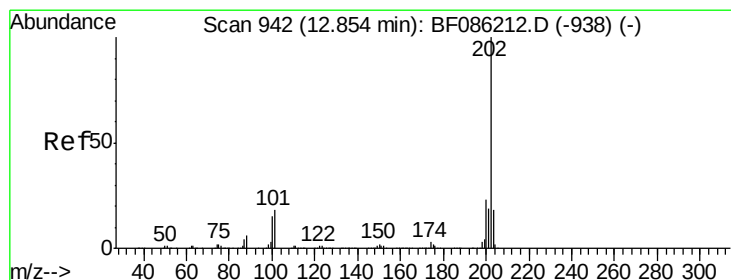
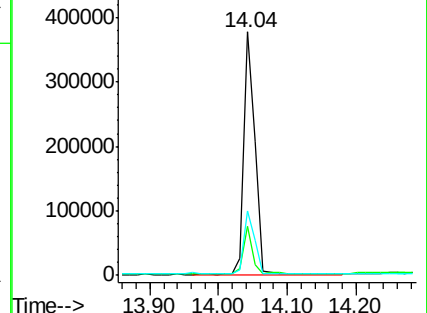
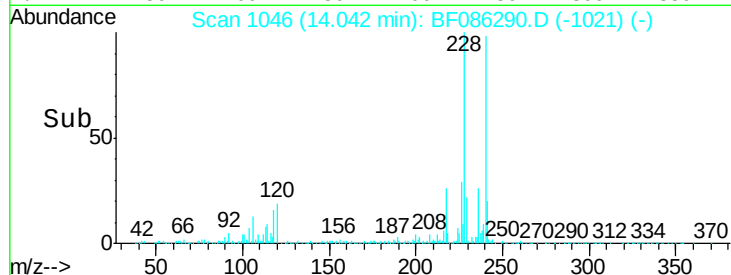
236 26.6 21.1 31.7



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: 46.60 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

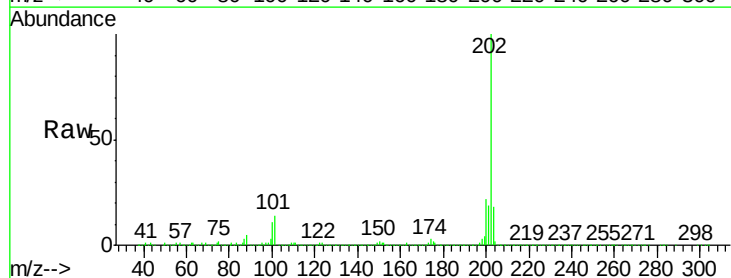
Tgt Ion:202 Resp: 1539146

Ion Ratio Lower Upper

202 100

200 22.3 18.3 27.5

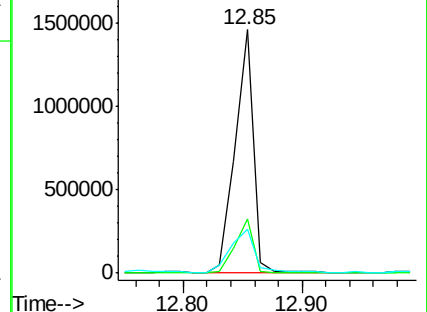
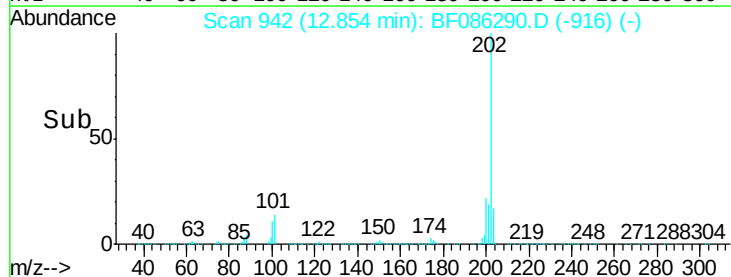
203 18.2 14.9 22.3

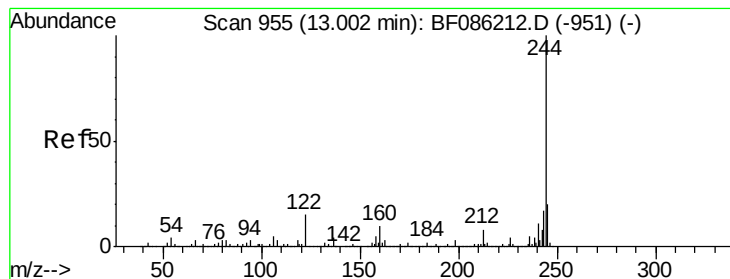


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.99 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampled :

SP-2-I-9(0-2)

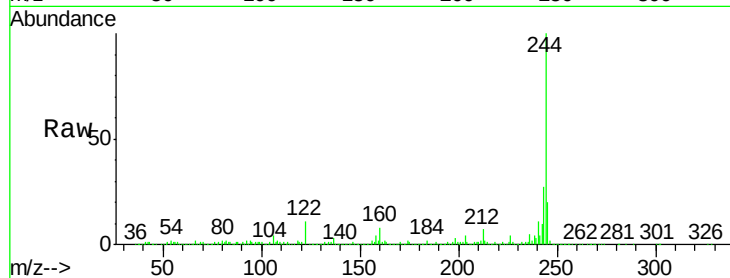
Tgt Ion:244 Resp: 1643279

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

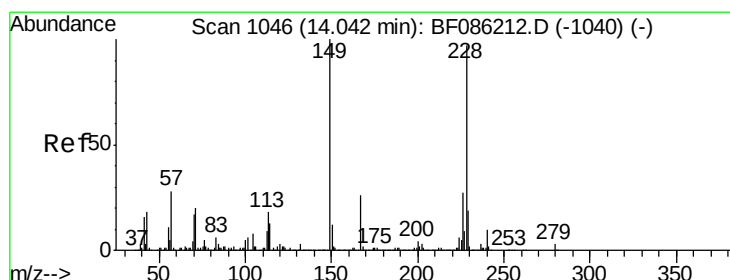
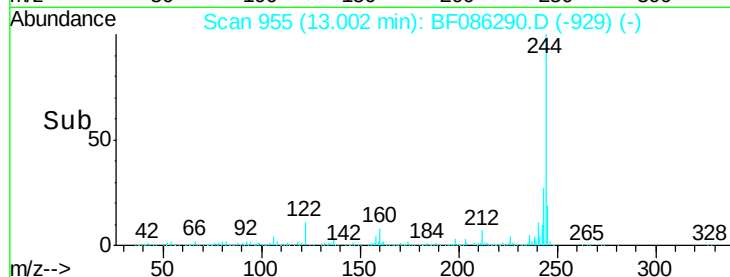
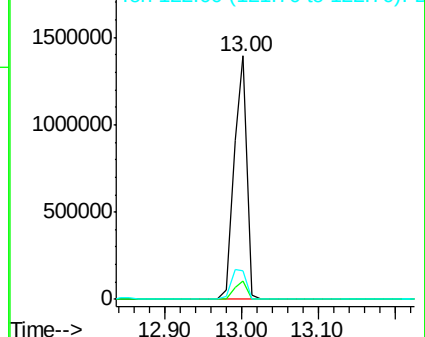
122 11.5 11.7 17.5#



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: 34.34 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

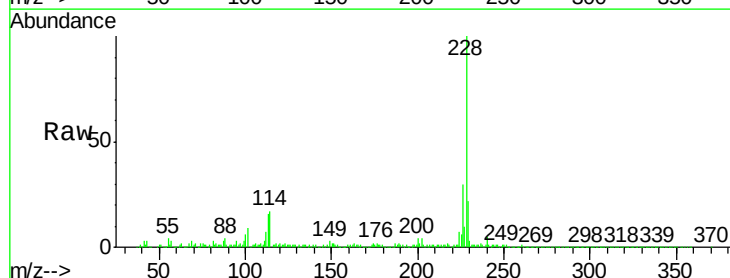
Tgt Ion:228 Resp: 811538

Ion Ratio Lower Upper

228 100

226 29.8 22.5 33.7

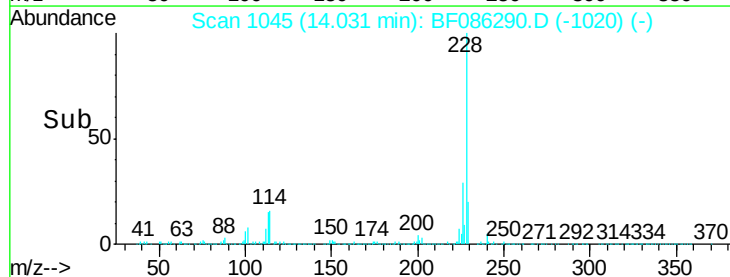
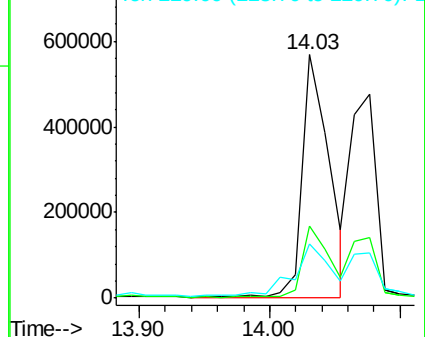
229 22.1 16.2 24.2



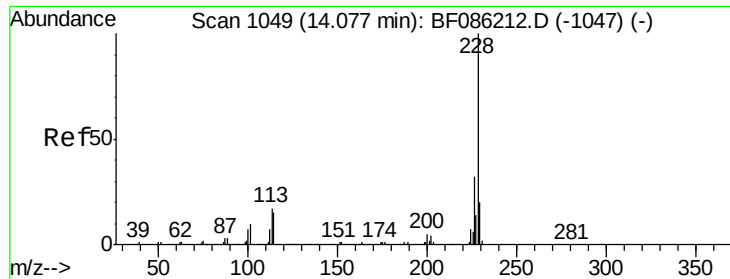
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E







#82

Chrysene

Concen: 25.32 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

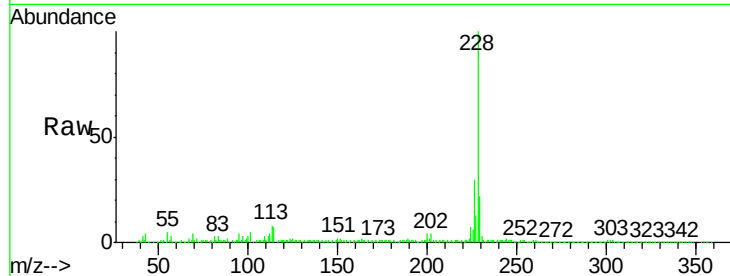
Tgt Ion:228 Resp: 637953

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

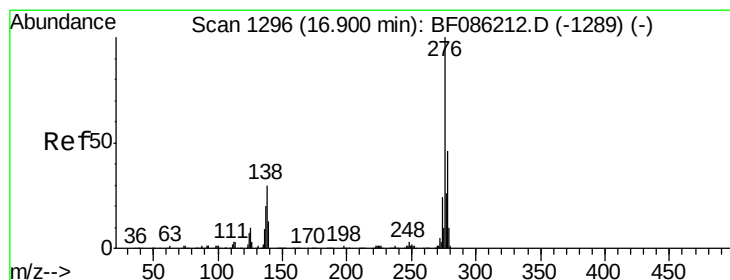
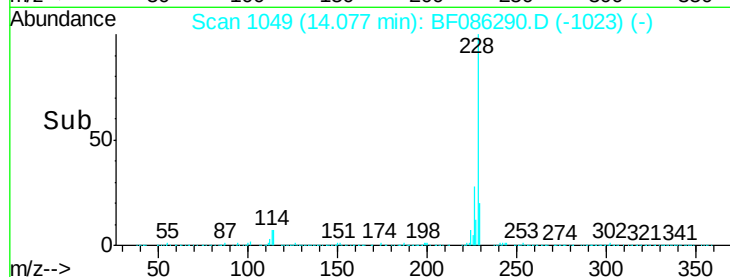
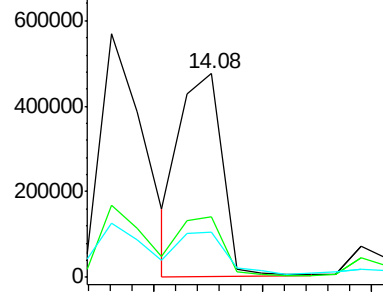
229 22.1 16.5 24.7



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: 13.76 ng

RT: 16.90 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

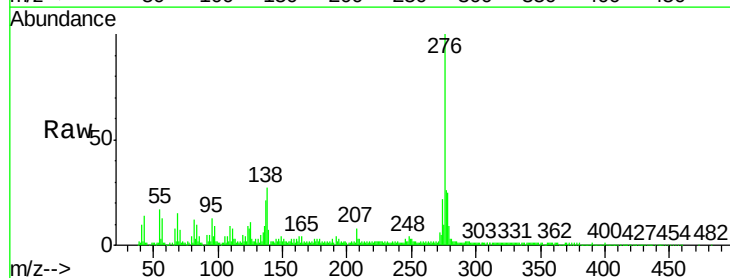
Tgt Ion:276 Resp: 285086

Ion Ratio Lower Upper

276 100

138 28.1 23.8 35.6

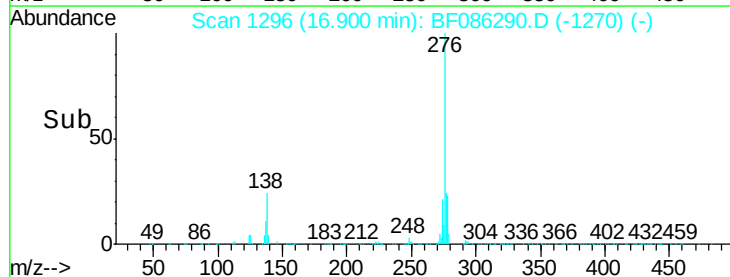
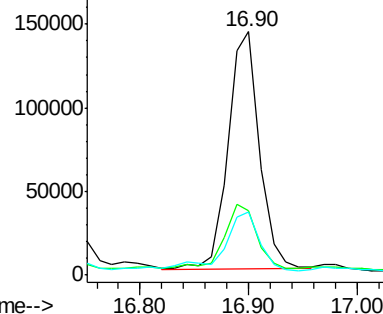
277 29.0 20.2 30.2

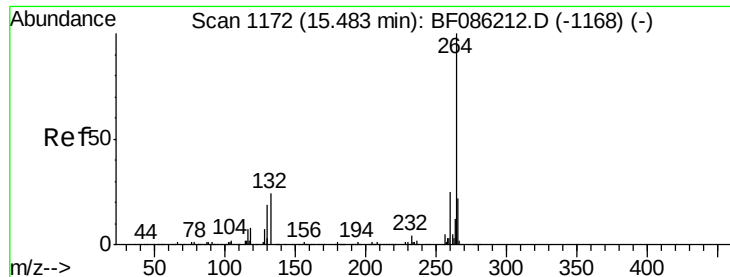


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



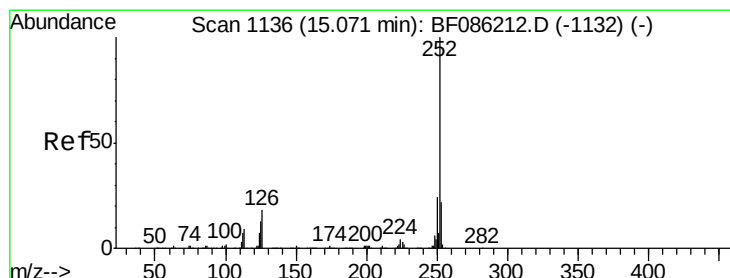
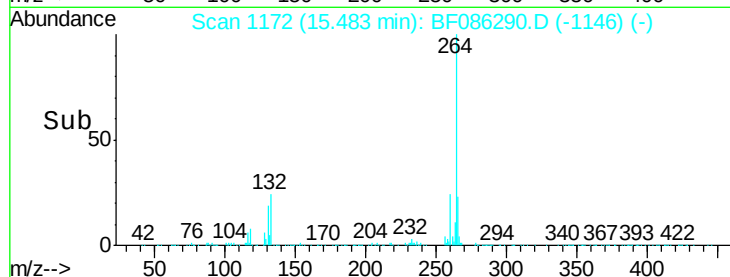
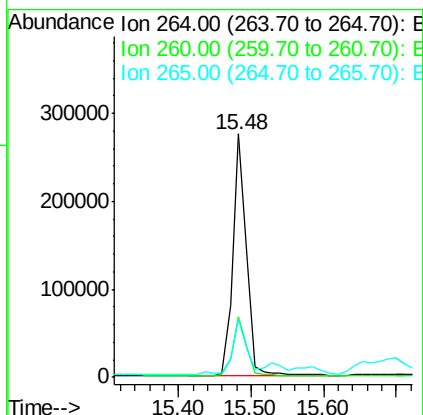
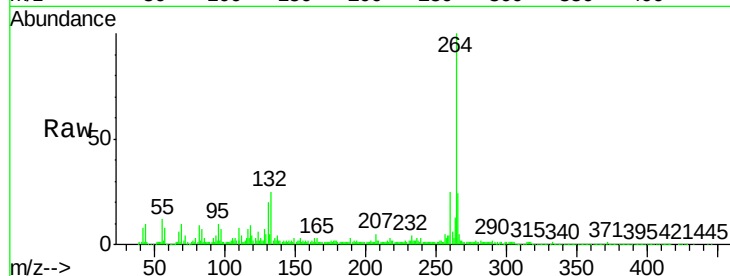


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.48 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BF086290.D  
Acq: 18 Apr 2016 19:08

Instrument :  
BNA\_F  
ClientSampleId :  
SP-2-I-9(0-2)

Tgt Ion: 264 Resp: 359014  

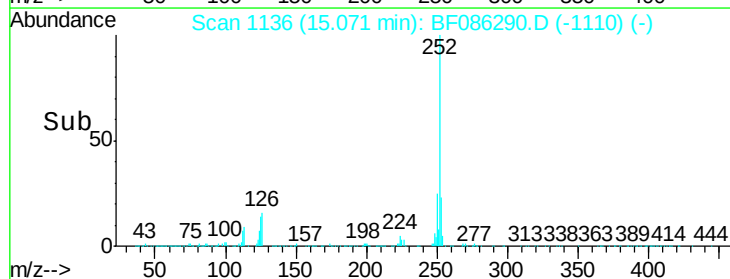
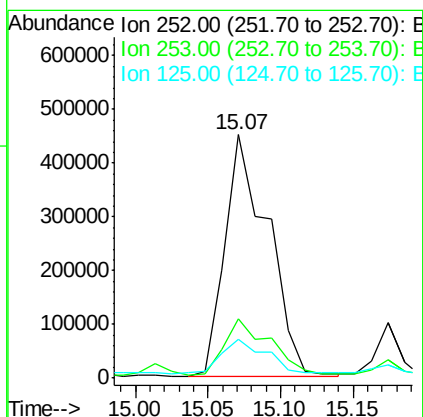
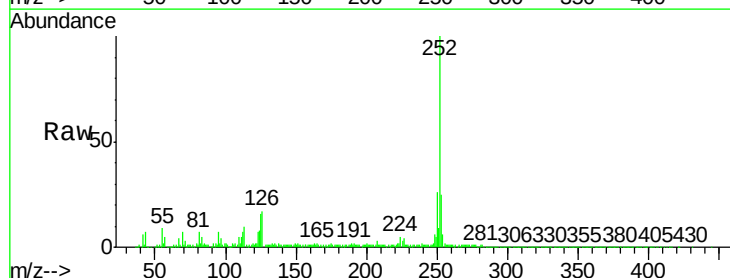
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 20.0  | 30.0  |
| 265 | 23.7  | 17.4  | 26.0  |

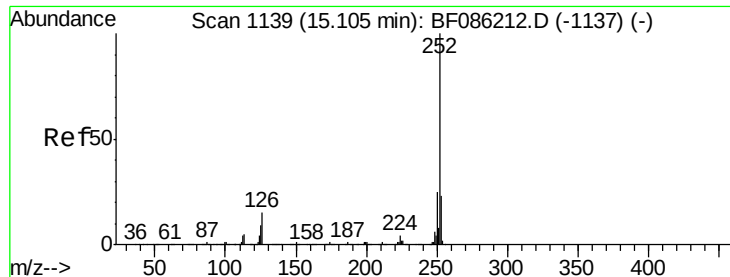


#87  
Benzo(b)fluoranthene  
Concen: 41.80 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.00 min  
Lab File: BF086290.D  
Acq: 18 Apr 2016 19:08

Tgt Ion: 252 Resp: 925849  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.5  | 17.7  | 26.5  |
| 125 | 16.1  | 10.3  | 15.5# |

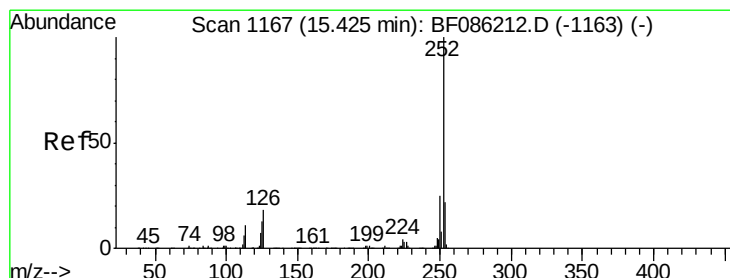
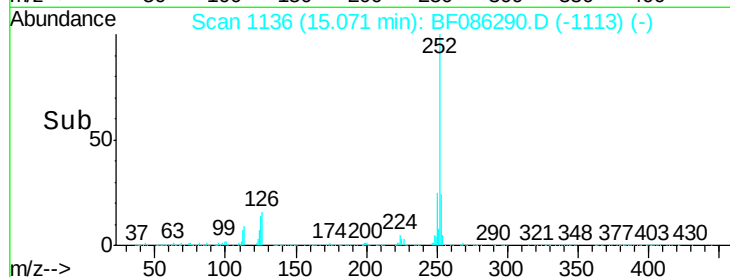
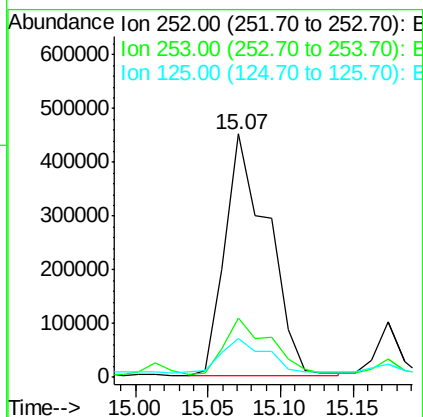
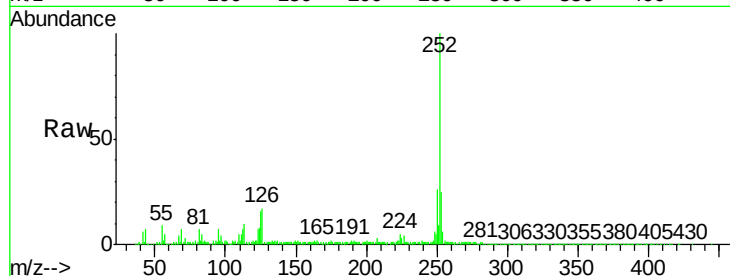




#88  
Benzo(k)fluoranthene  
Concen: 45.84 ng  
RT: 15.07 min Scan# 1136  
Delta R.T. -0.03 min  
Lab File: BF086290.D  
Acq: 18 Apr 2016 19:08

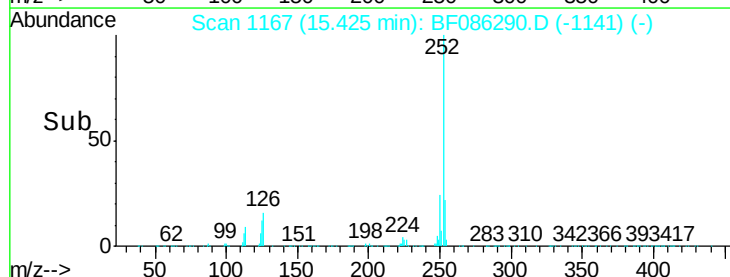
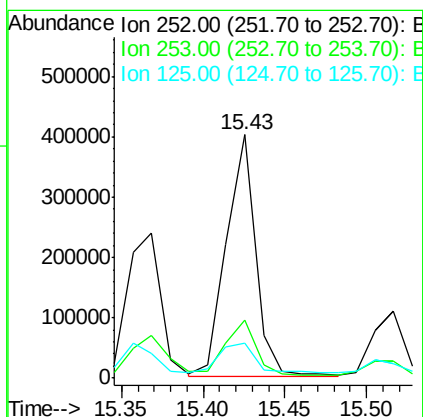
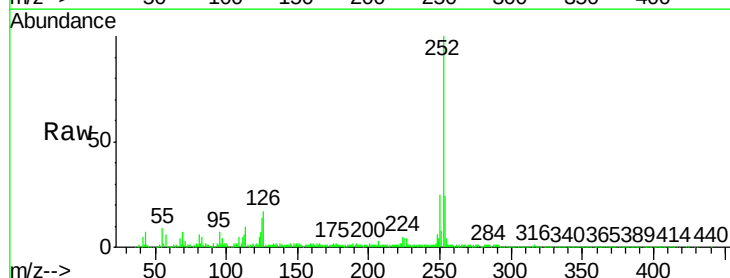
Instrument :  
BNA\_F  
ClientSampleId :  
SP-2-I-9(0-2)

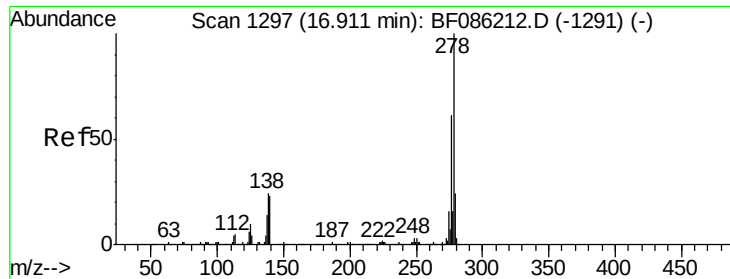
Tgt Ion: 252 Resp: 925849  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.5 26.3  
125 16.1 7.8 11.6#



#89  
Benzo(a)pyrene  
Concen: 25.73 ng  
RT: 15.43 min Scan# 1167  
Delta R.T. -0.00 min  
Lab File: BF086290.D  
Acq: 18 Apr 2016 19:08

Tgt Ion: 252 Resp: 493577  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.8 26.8  
125 14.3 11.2 16.8





#90

Dibenzo(a,h)anthracene

Concen: 4.28 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

Instrument :

BNA\_F

ClientSampleId :

SP-2-I-9(0-2)

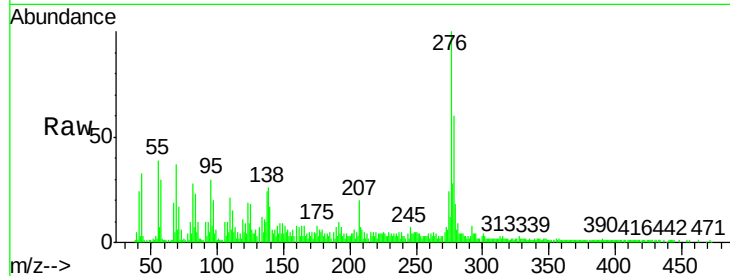
Tgt Ion: 278 Resp: 72553

Ion Ratio Lower Upper

278 100

139 27.7 15.3 22.9#

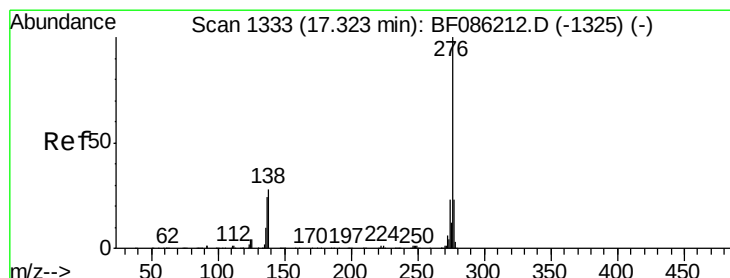
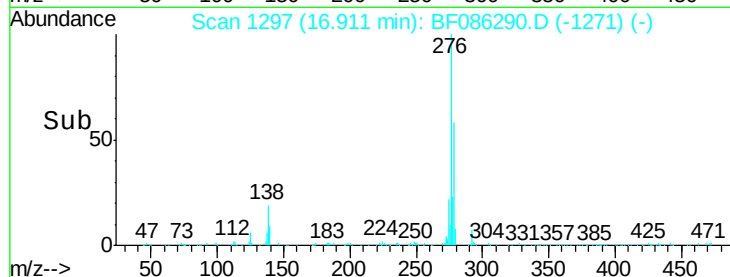
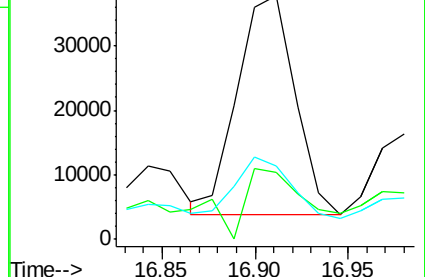
279 30.1 19.1 28.7#



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: 15.68 ng

RT: 17.32 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF086290.D

Acq: 18 Apr 2016 19:08

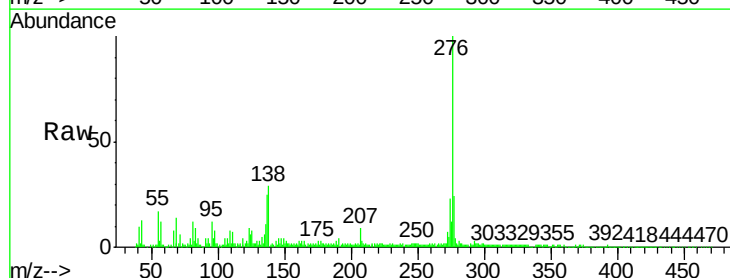
Tgt Ion: 276 Resp: 282687

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.6

138 29.4 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

