

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF041515\  
 Data File : BF078560.D  
 Acq On : 16 Apr 2015 3:07  
 Operator : TP/IZ  
 Sample : G1854-05 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB101

Quant Time: Apr 16 05:03:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 01:25:24 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 32907    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.30  | 136  | 131238   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.46 | 164  | 68106    | 20.00 | ng    | 0.01     |
| 63) Phenanthrene-d10      | 12.29 | 188  | 119533   | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12          | 15.54 | 240  | 122997   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 17.21 | 264  | 119157   | 20.00 | ng    | -0.09    |

## System Monitoring Compounds

|                          |       |     |       |       |    |      |
|--------------------------|-------|-----|-------|-------|----|------|
| 5) 2-Fluorophenol        | 4.95  | 112 | 23597 | 11.82 | ng | 0.01 |
| 7) Phenol-d6             | 6.33  | 99  | 29655 | 11.86 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 22416 | 10.35 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.44 | 330 | 6893  | 12.20 | ng | 0.01 |
| 44) 2-Fluorobiphenyl     | 9.64  | 172 | 35341 | 7.42  | ng | 0.00 |
| 78) Terphenyl-d14        | 14.27 | 244 | 44141 | 8.11  | ng | 0.01 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 18) Hexachloroethane           | 7.31  | 117 | 4188   | 4.76  | ng | # 1    |
| 24) Nitrobenzene               | 7.39  | 77  | 11209  | 4.95  | ng | # 17   |
| 25) Isophorone                 | 7.70  | 82  | 14188  | 3.45  | ng | # 1    |
| 26) 2-Nitrophenol              | 7.87  | 139 | 2477   | 2.30  | ng | # 1    |
| 31) Naphthalene                | 8.32  | 128 | 49381  | 7.23  | ng | # 96   |
| 32) Benzoic acid               | 8.04  | 122 | 2241   | 7.88  | ng | # 1    |
| 35) Caprolactam                | 8.89  | 113 | 21888  | 40.19 | ng | # 52   |
| 36) 4-Chloro-3-methylphenol    | 9.08  | 107 | 5220   | 2.84  | ng | # 36   |
| 37) 2-Methylnaphthalene        | 9.19  | 142 | 174020 | 37.52 | ng | # 97   |
| 47) 2-Nitroaniline             | 9.96  | 65  | 8556   | 7.89  | ng | # 64   |
| 48) Acenaphthylene             | 10.30 | 152 | 21684  | 3.06  | ng | # 1    |
| 50) 2,6-Dinitrotoluene         | 10.23 | 165 | 2629   | 2.50  | ng | # 83   |
| 51) Acenaphthene               | 10.50 | 154 | 35390  | 8.88  | ng | # 88   |
| 54) Dibenzofuran               | 10.72 | 168 | 37801  | 6.21  | ng | # 52   |
| 55) 4-Nitrophenol              | 10.66 | 139 | 3520   | 6.62  | ng | # 29   |
| 56) 2,4-Dinitrotoluene         | 10.73 | 165 | 20232  | 14.84 | ng | # 54   |
| 57) Fluorene                   | 11.13 | 166 | 94008  | 19.05 | ng | # 92   |
| 64) 4,6-Dinitro-2-methylphenol | 11.24 | 198 | 2127   | 11.51 | ng | # 1    |
| 65) n-Nitrosodiphenylamine     | 11.30 | 169 | 136263 | 32.96 | ng | # 57   |
| 68) Atrazine                   | 11.97 | 200 | 5445   | 4.55  | ng | # 61   |
| 69) Pentachlorophenol          | 12.07 | 266 | 267    | 8.15  | ng | # 44   |
| 70) Phenanthrene               | 12.31 | 178 | 287285 | 41.55 | ng | # 97   |
| 71) Anthracene                 | 12.31 | 178 | 257535 | 37.80 | ng | # 97   |
| 72) Carbazole                  | 12.59 | 167 | 15444  | 2.42  | ng | # 23   |
| 74) Fluoranthene               | 13.77 | 202 | 120769 | 16.56 | ng | # 97   |
| 77) Pyrene                     | 14.05 | 202 | 146012 | 18.91 | ng | # 90   |
| 80) Benzo(a)anthracene         | 15.52 | 228 | 59065  | 8.07  | ng | # 87   |
| 82) Chrysene                   | 15.57 | 228 | 49951  | 7.26  | ng | # 93   |
| 87) Benzo(b)fluoranthene       | 16.79 | 252 | 77467  | 10.52 | ng | # 58   |
| 88) Benzo(k)fluoranthene       | 16.79 | 252 | 96449  | 14.74 | ng | # 57   |
| 89) Benzo(a)pyrene             | 17.15 | 252 | 52202  | 8.12  | ng | # 54   |
| 91) Benzo(g,h,i)perylene       | 18.74 | 276 | 41091  | 6.37  | ng | # 91   |

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Sample : G1854-05 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB101

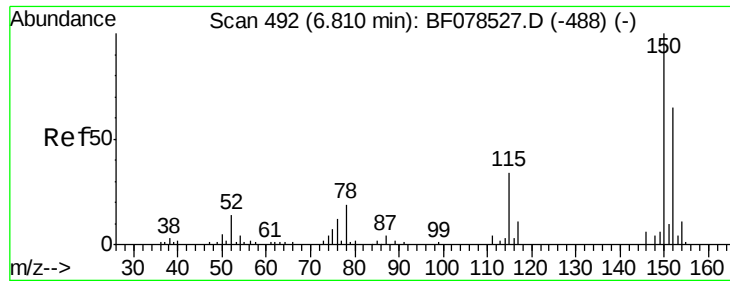
Quant Time: Apr 16 05:03:44 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 16 01:25:24 2015  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

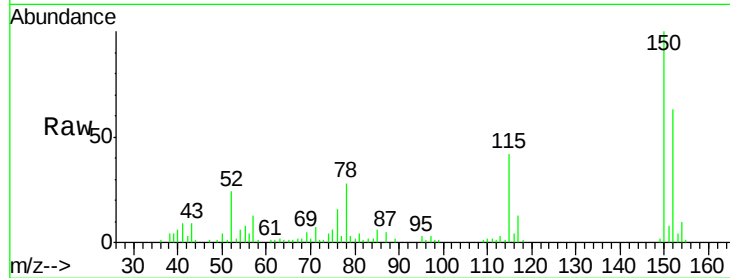
Tgt Ion:152 Resp: 32907

Ion Ratio Lower Upper

152 100

150 158.6 125.9 188.9

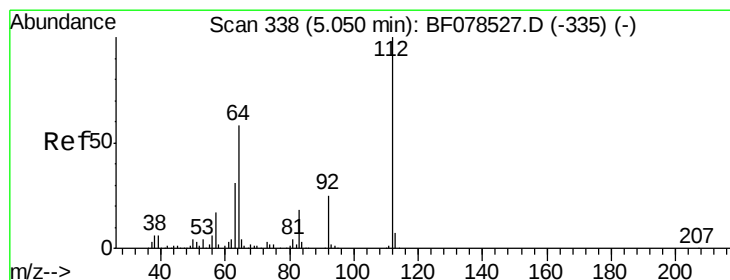
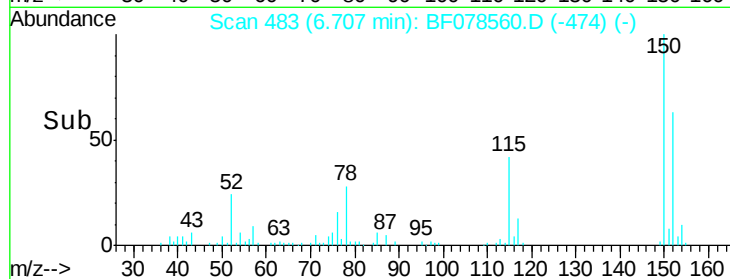
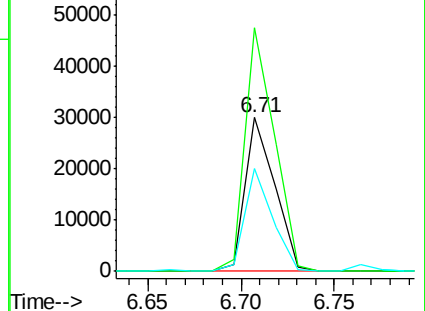
115 67.1 52.7 79.1



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: 11.82 ng

RT: 4.95 min Scan# 329

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

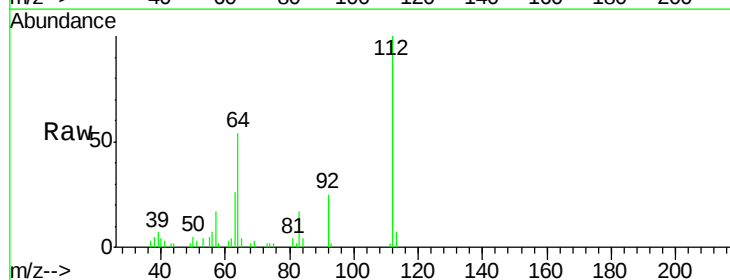
Tgt Ion:112 Resp: 23597

Ion Ratio Lower Upper

112 100

64 54.1 39.9 59.9

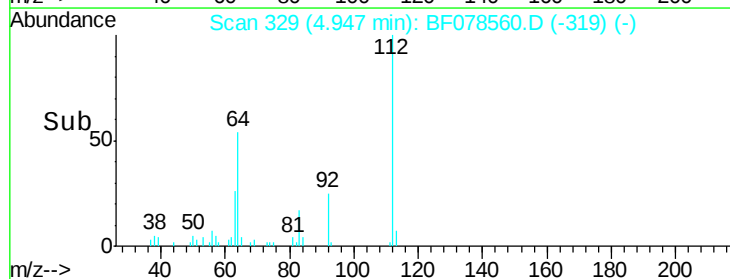
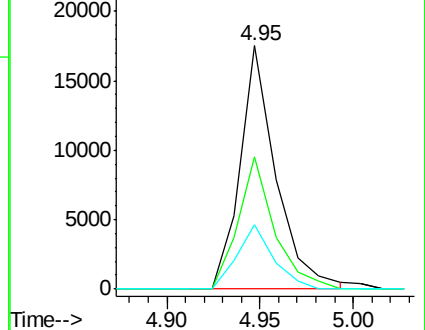
63 26.4 20.2 30.4

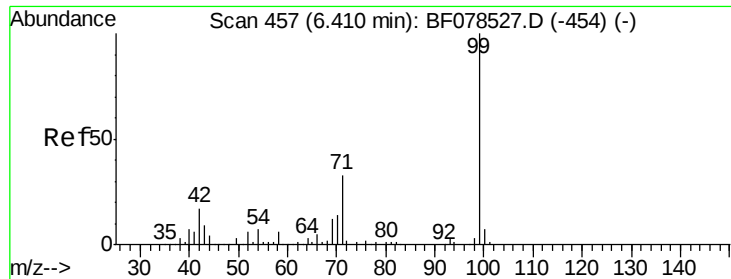


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.86 ng

RT: 6.33 min Scan# 450

Delta R.T. 0.02 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

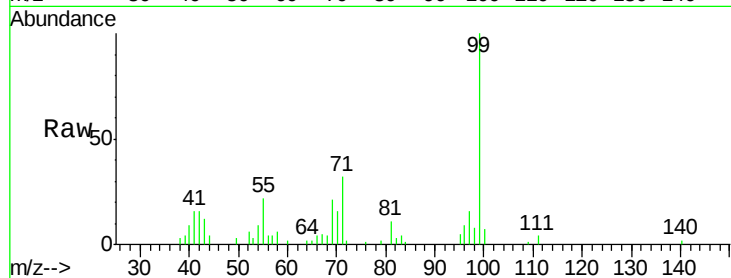
Tgt Ion: 99 Resp: 29655

Ion Ratio Lower Upper

99 100

42 16.5 14.8 22.2

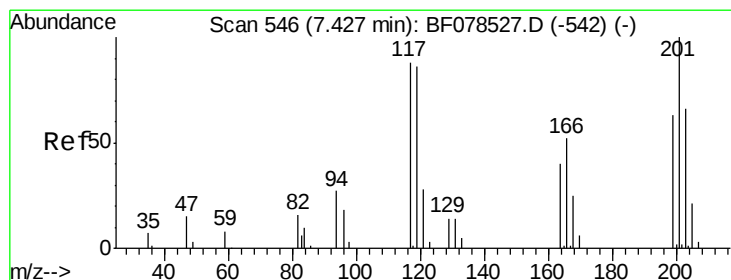
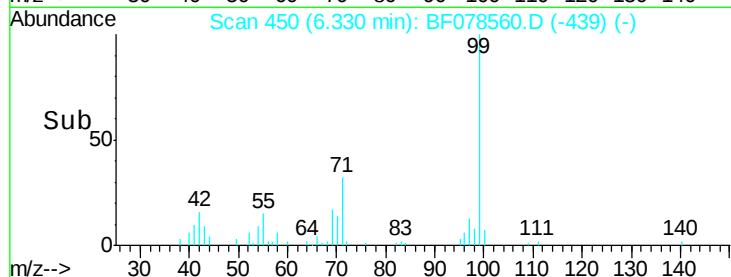
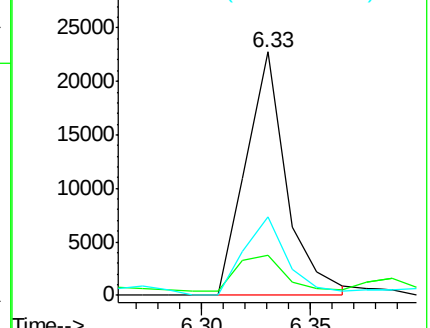
71 32.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 4.76 ng

RT: 7.31 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

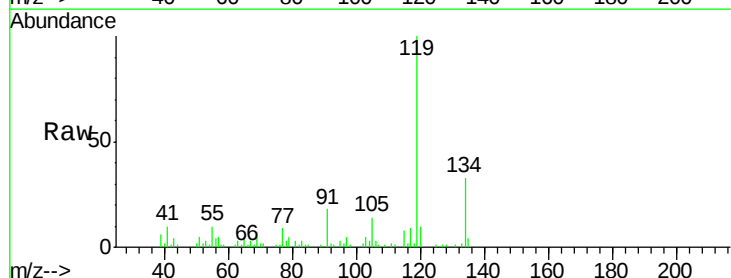
Tgt Ion: 117 Resp: 4188

Ion Ratio Lower Upper

117 100

119 1148.5 77.0 115.6#

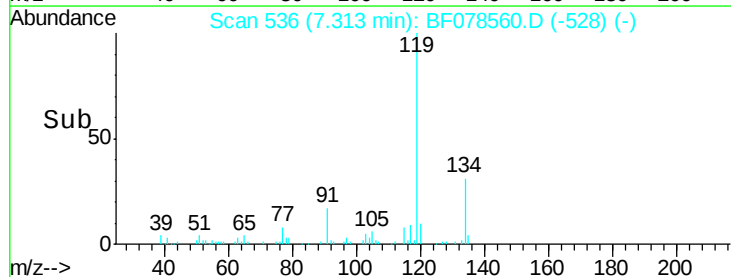
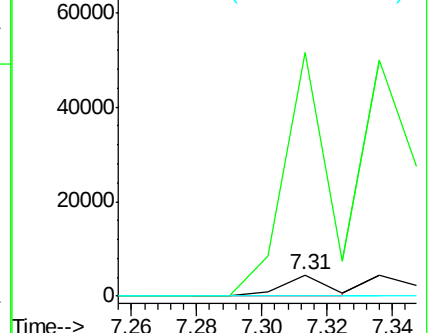
201 0.0 98.1 147.1#

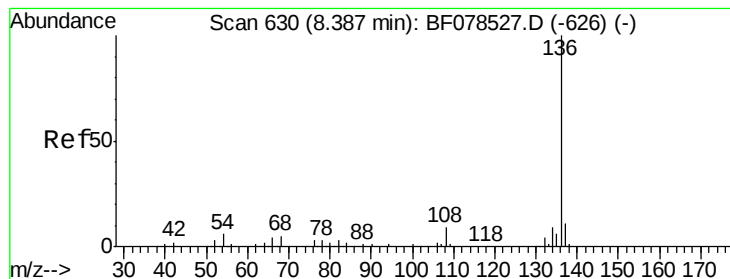


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

Tgt Ion: 136 Resp: 131238

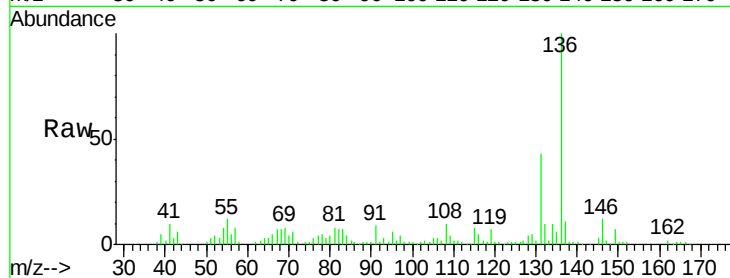
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.7 7.0 10.6

68 6.7 5.4 8.2

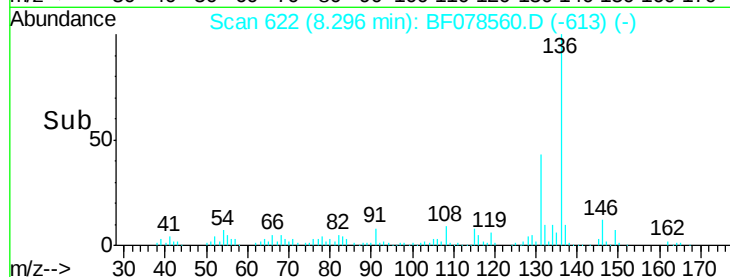


Abundance Ion 136.00 (135.70 to 136.70): E

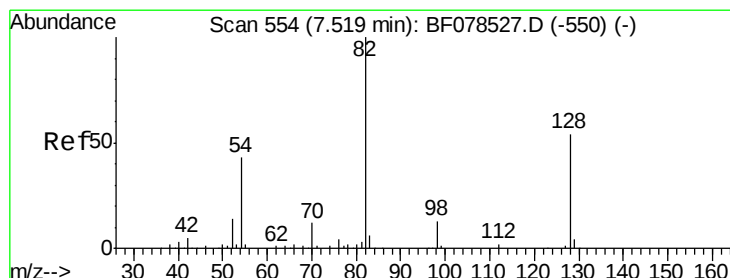
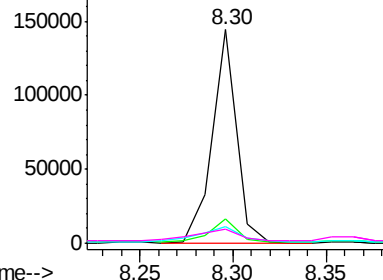
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 10.35 ng

RT: 7.42 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

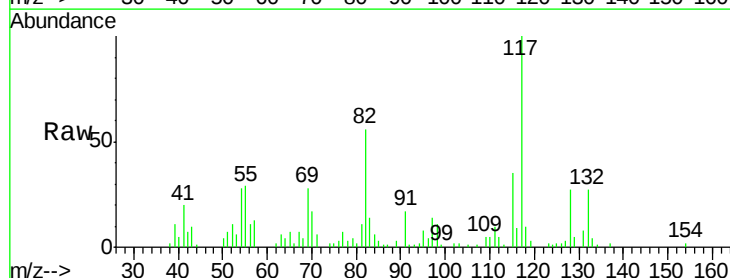
Tgt Ion: 82 Resp: 22416

Ion Ratio Lower Upper

82 100

128 47.9 31.8 47.8#

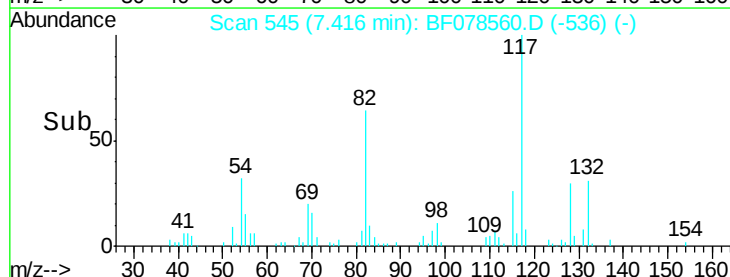
54 50.4 41.5 62.3



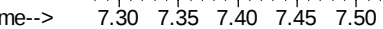
Abundance Ion 82.00 (81.70 to 82.70): BF0

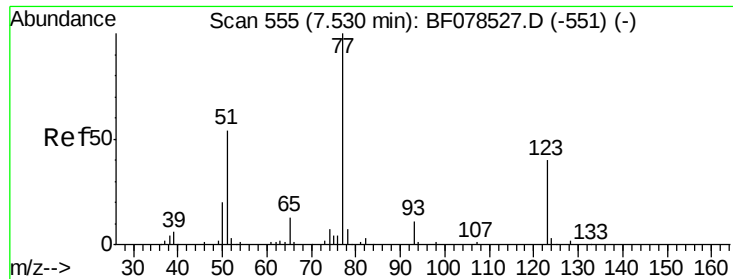
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

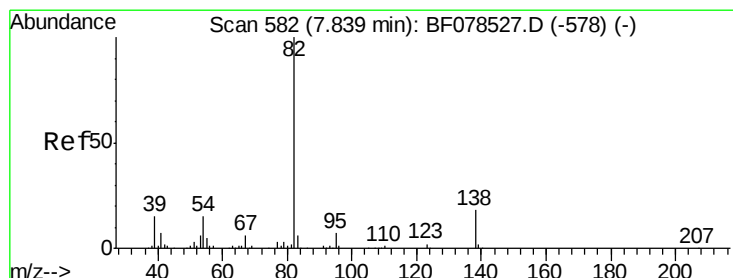
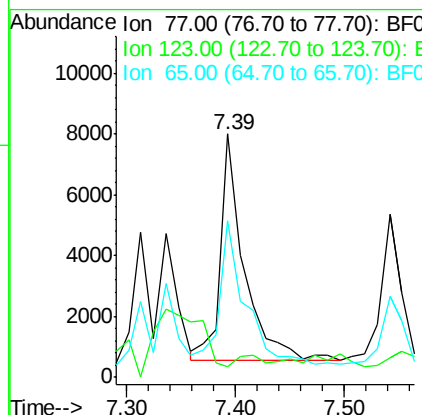
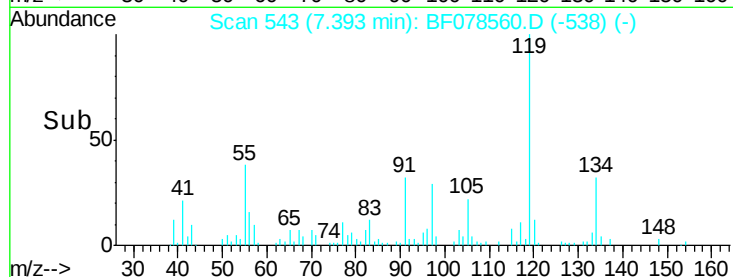
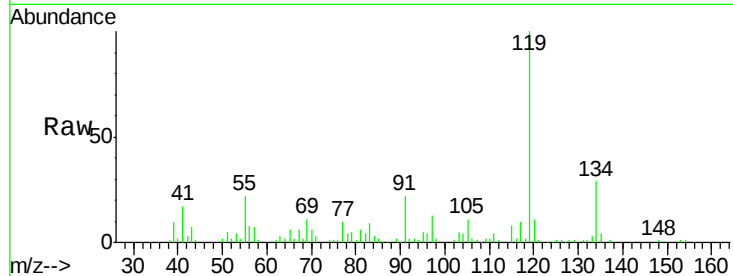




#24  
 Nitrobenzene  
 Concen: 4.95 ng  
 RT: 7.39 min Scan# 543  
 Delta R.T. -0.05 min  
 Lab File: BF078560.D  
 Acq: 16 Apr 2015 3:07

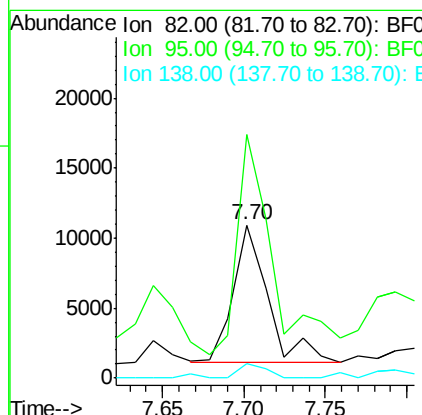
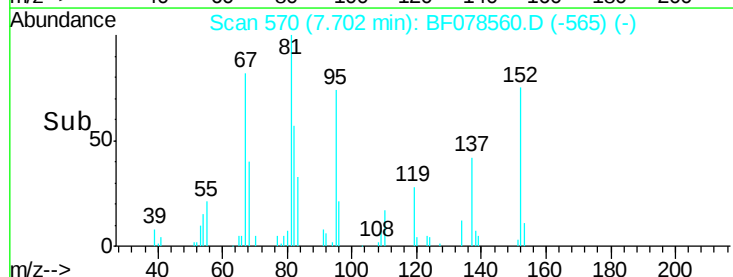
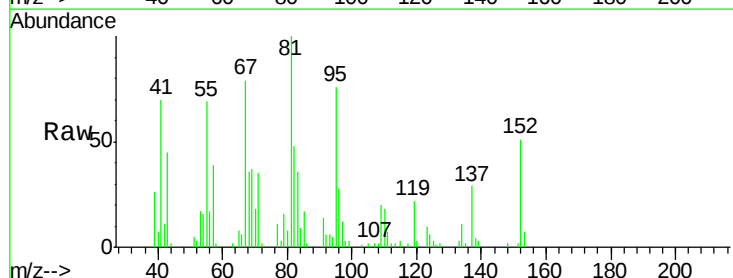
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB101

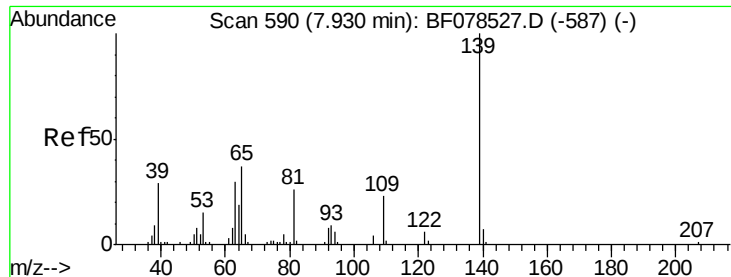
Tgt Ion: 77 Resp: 11209  
 Ion Ratio Lower Upper  
 77 100  
 123 4.5 46.9 70.3#  
 65 64.1 9.5 14.3#



#25  
 Isophorone  
 Concen: 3.45 ng  
 RT: 7.70 min Scan# 570  
 Delta R.T. -0.05 min  
 Lab File: BF078560.D  
 Acq: 16 Apr 2015 3:07

Tgt Ion: 82 Resp: 14188  
 Ion Ratio Lower Upper  
 82 100  
 95 158.9 5.7 8.5#  
 138 9.1 15.8 23.8#

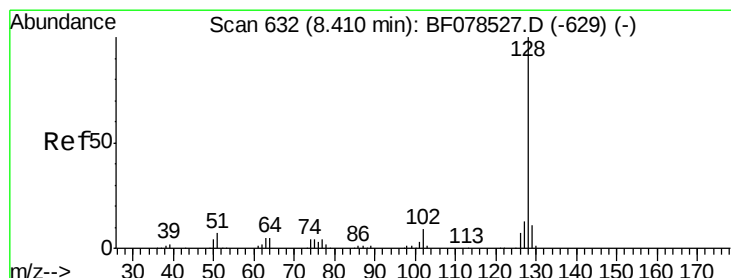
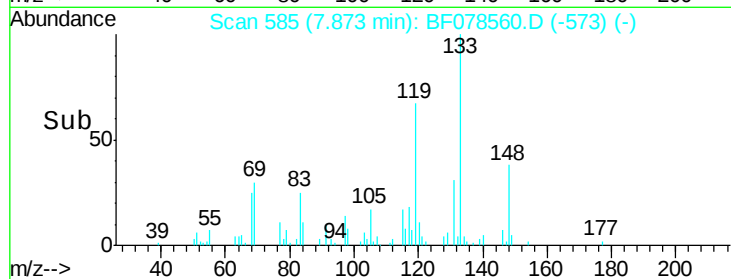
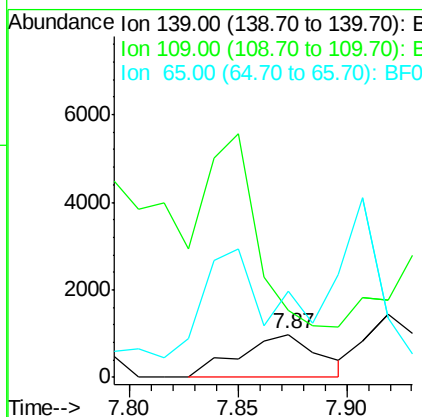
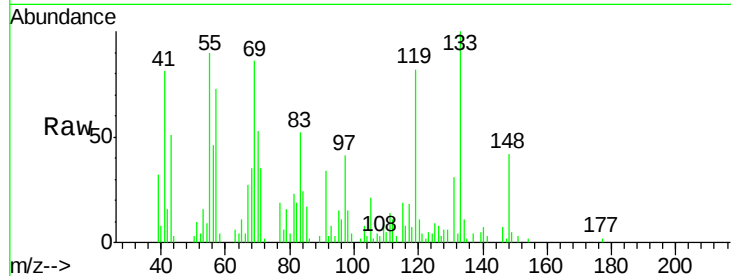




#26  
2-Nitrophenol  
Concen: 2.30 ng  
RT: 7.87 min Scan# 585  
Delta R.T. 0.03 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

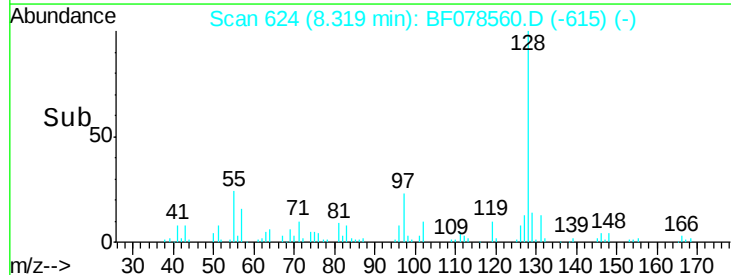
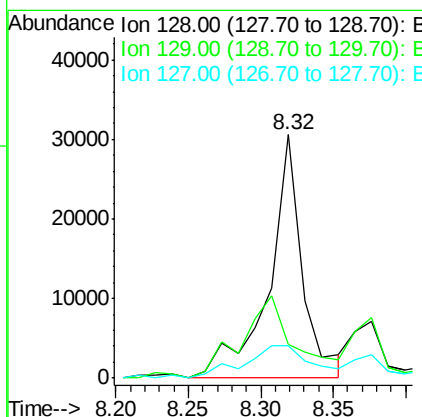
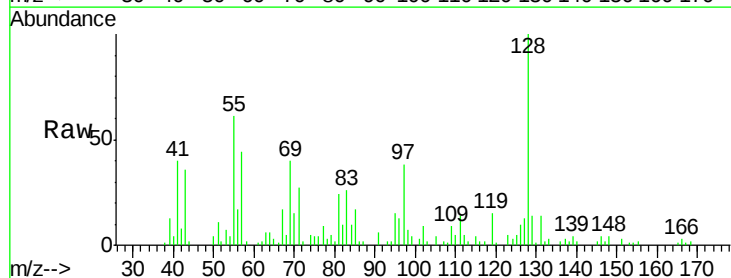
Instrument :  
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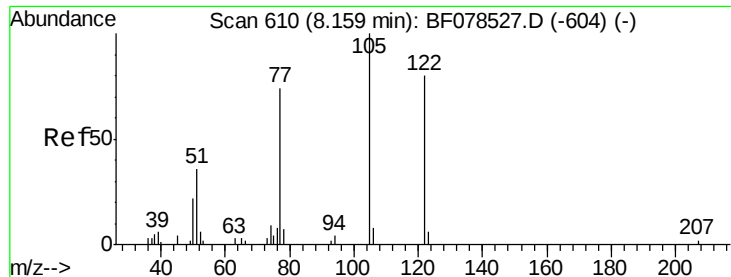
Tgt Ion:139 Resp: 2477  
Ion Ratio Lower Upper  
139 100  
109 156.2 19.8 29.8#  
65 202.0 32.7 49.1#



#31  
Naphthalene  
Concen: 7.23 ng  
RT: 8.32 min Scan# 624  
Delta R.T. 0.00 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Tgt Ion:128 Resp: 49381  
Ion Ratio Lower Upper  
128 100  
129 13.8 8.6 12.8#  
127 13.4 10.7 16.1

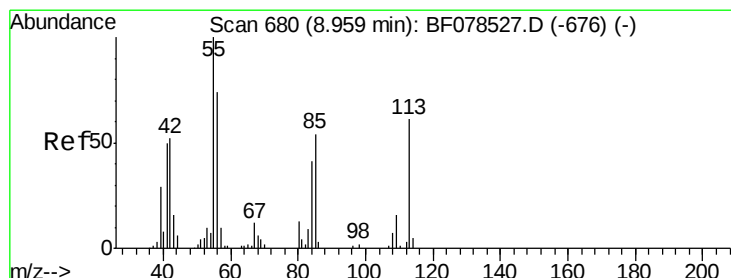
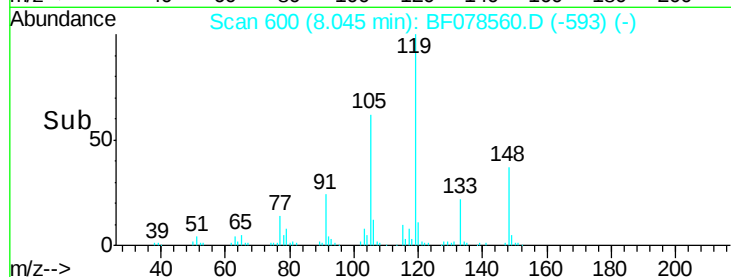
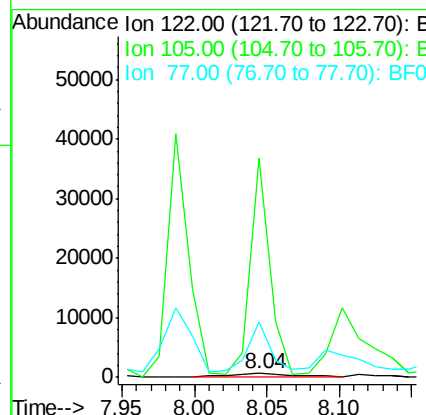
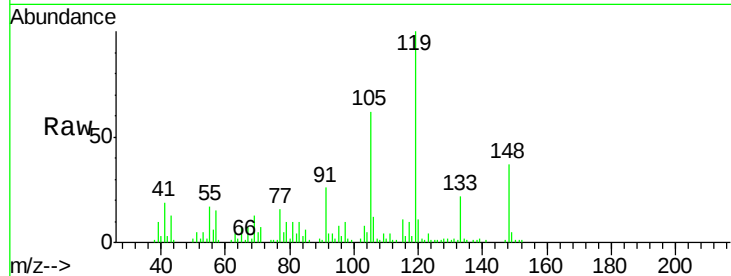




#32  
Benzoic acid  
Concen: 7.88 ng  
RT: 8.04 min Scan# 600  
Delta R.T. -0.02 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

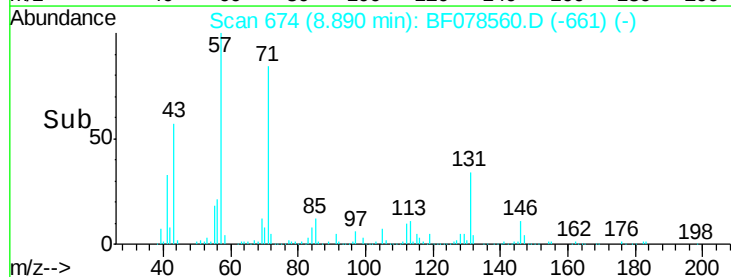
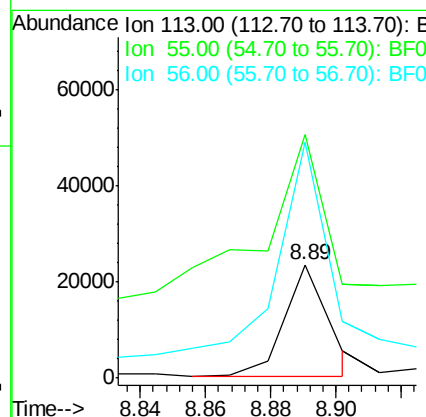
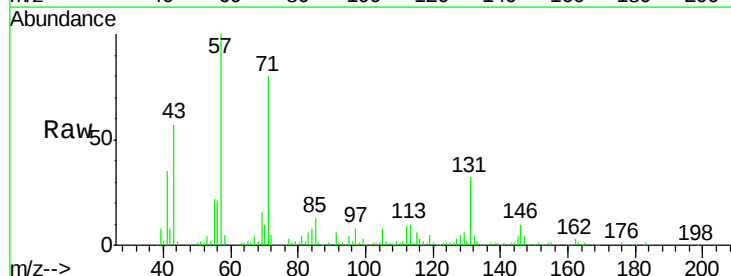
Instrument :  
BNA\_F  
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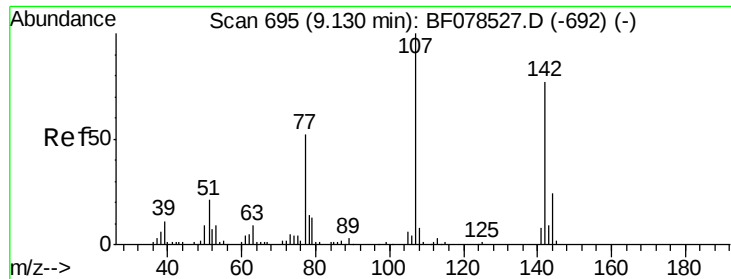
Tgt Ion:122 Resp: 2241  
Ion Ratio Lower Upper  
122 100  
105 5476.2 96.1 136.1#  
77 1387.9 64.1 104.1#



#35  
Caprolactam  
Concen: 40.19 ng  
RT: 8.89 min Scan# 674  
Delta R.T. 0.05 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Tgt Ion:113 Resp: 21888  
Ion Ratio Lower Upper  
113 100  
55 214.4 151.9 191.9#  
56 208.2 106.1 146.1#

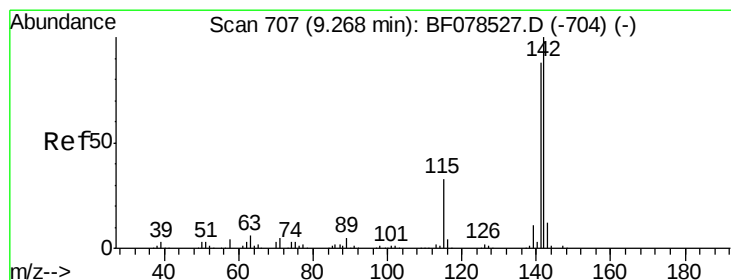
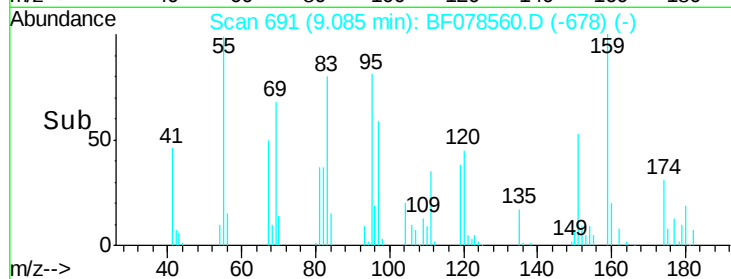
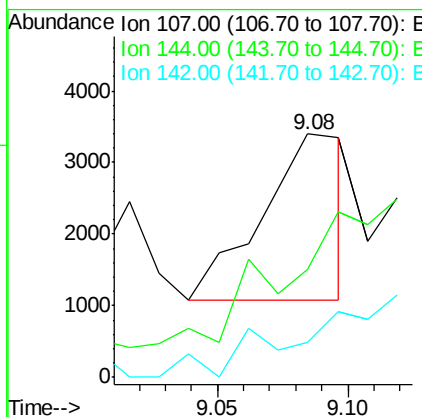
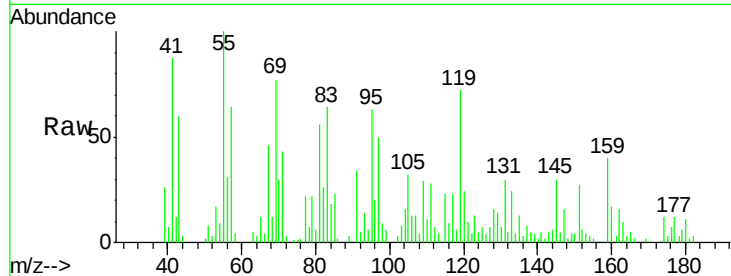




#36  
 4-Chloro-3-methylphenol  
 Concen: 2.84 ng  
 RT: 9.08 min Scan# 691  
 Delta R.T. 0.05 min  
 Lab File: BF078560.D  
 Acq: 16 Apr 2015 3:07

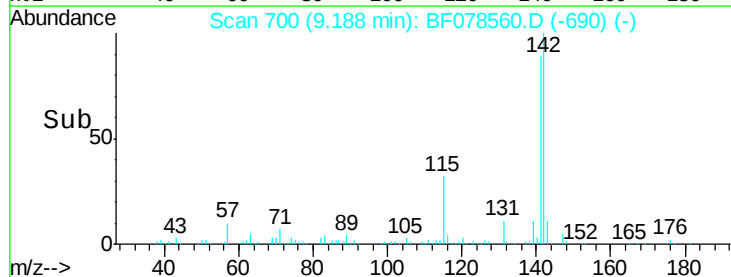
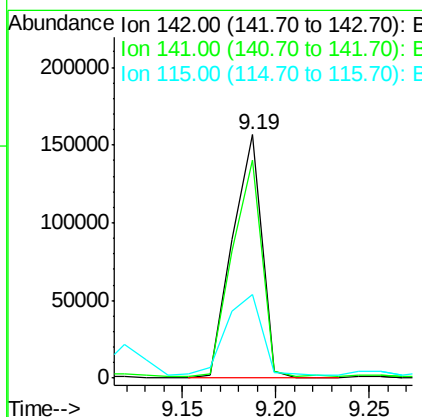
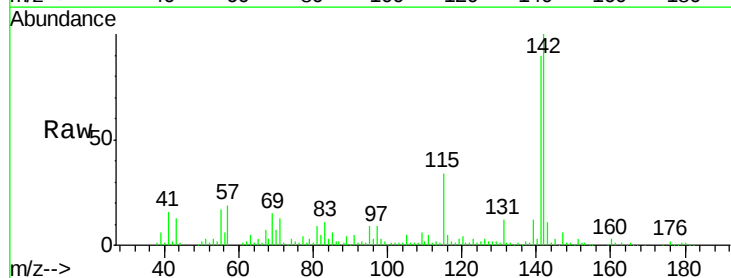
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LS-SB101

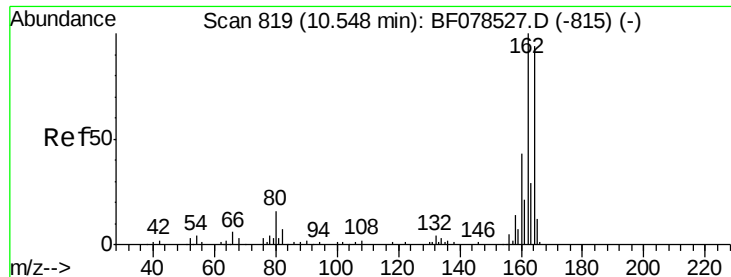
Tgt Ion:107 Resp: 5220  
 Ion Ratio Lower Upper  
 107 100  
 144 44.4 18.2 27.2#  
 142 14.5 58.0 87.0#



#37  
 2-Methylnaphthalene  
 Concen: 37.52 ng  
 RT: 9.19 min Scan# 700  
 Delta R.T. 0.01 min  
 Lab File: BF078560.D  
 Acq: 16 Apr 2015 3:07

Tgt Ion:142 Resp: 174020  
 Ion Ratio Lower Upper  
 142 100  
 141 89.7 70.3 105.5  
 115 34.1 24.6 37.0

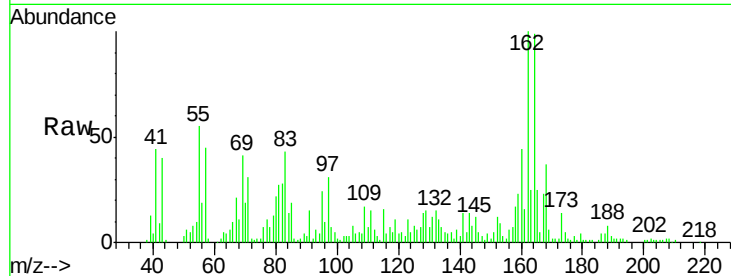




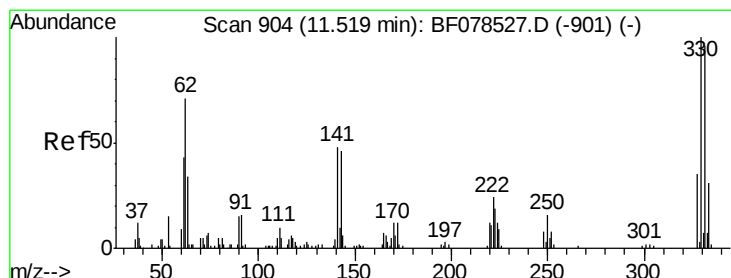
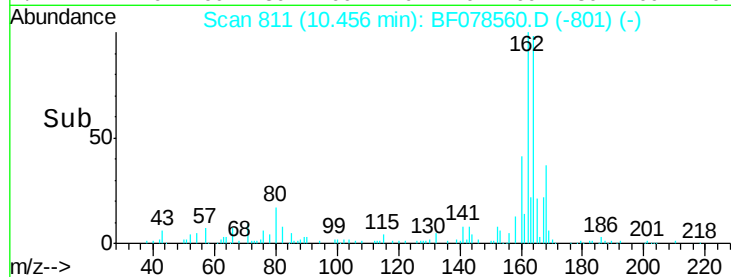
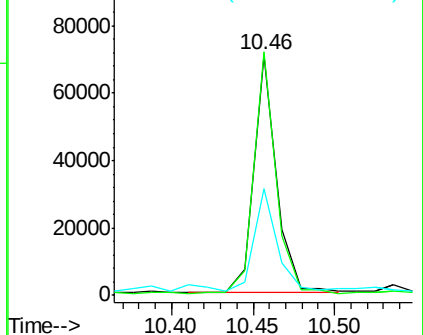
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.46 min Scan# 811  
Delta R.T. 0.01 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB101

Tgt Ion:164 Resp: 68106  
Ion Ratio Lower Upper  
164 100  
162 101.3 82.2 123.2  
160 44.6 34.7 52.1

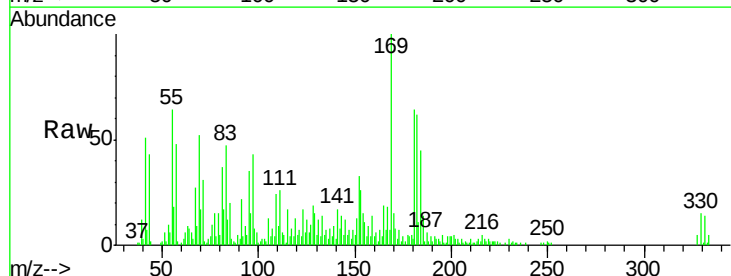


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

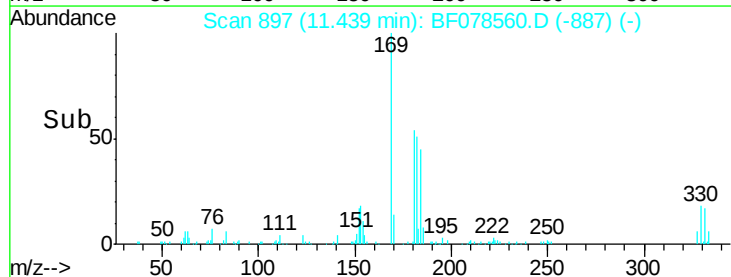
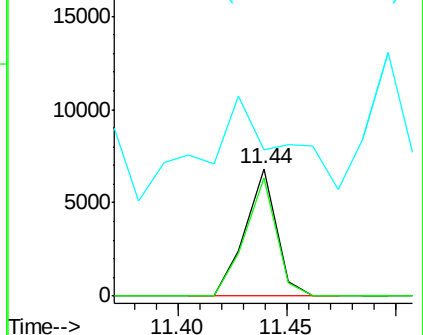


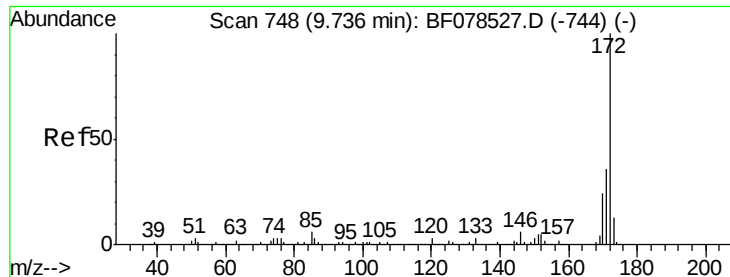
#41  
2,4,6-Tribromophenol  
Concen: 12.20 ng  
RT: 11.44 min Scan# 897  
Delta R.T. 0.01 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Tgt Ion:330 Resp: 6893  
Ion Ratio Lower Upper  
330 100  
332 93.1 78.6 117.8  
141 214.0 31.2 46.8#



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: 7.42 ng

RT: 9.64 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

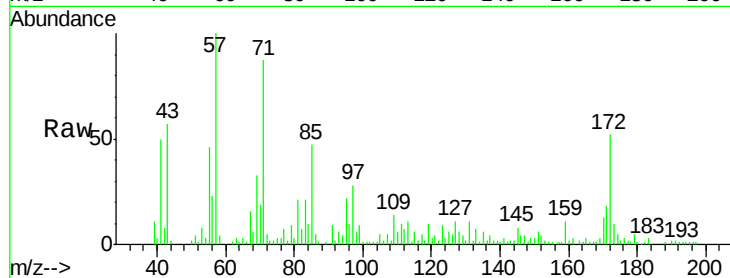
Tgt Ion: 172 Resp: 35341

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

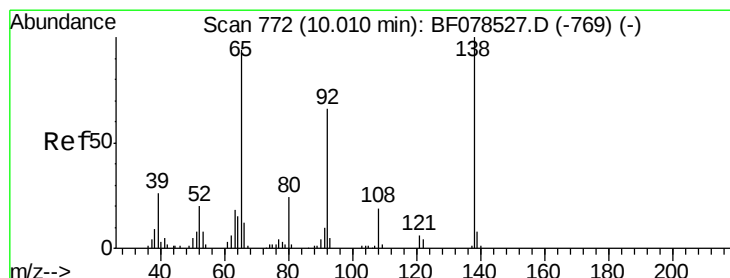
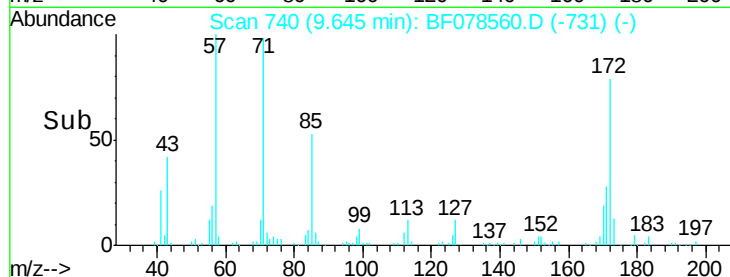
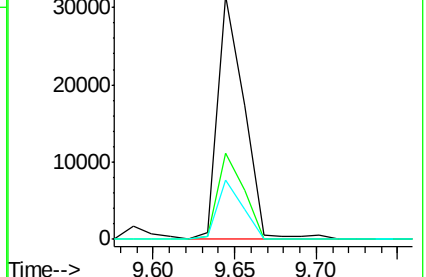
170 24.3 18.5 27.7



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



#47

2-Nitroaniline

Concen: 7.89 ng

RT: 9.96 min Scan# 768

Delta R.T. 0.05 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

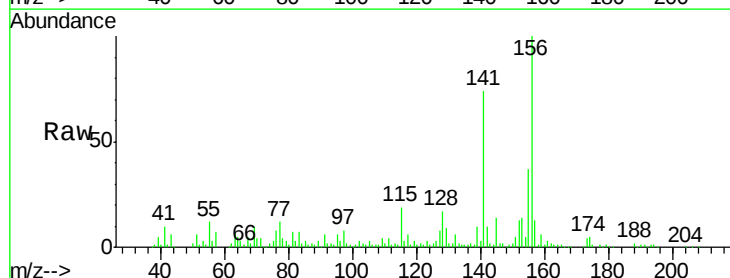
Tgt Ion: 65 Resp: 8556

Ion Ratio Lower Upper

65 100

92 63.5 51.3 76.9

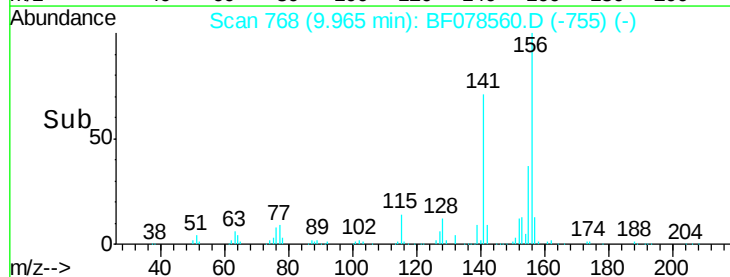
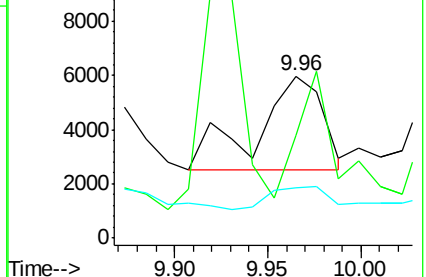
138 31.1 70.4 105.6#

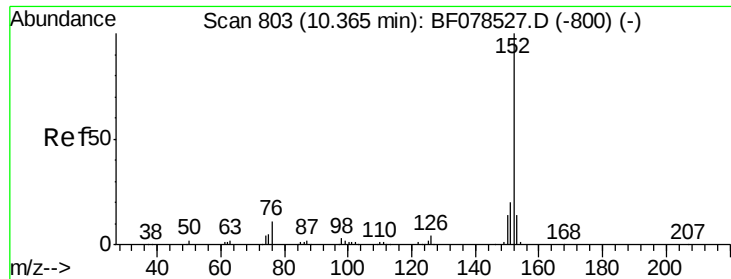


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 3.06 ng

RT: 10.30 min Scan# 797

Delta R.T. 0.02 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

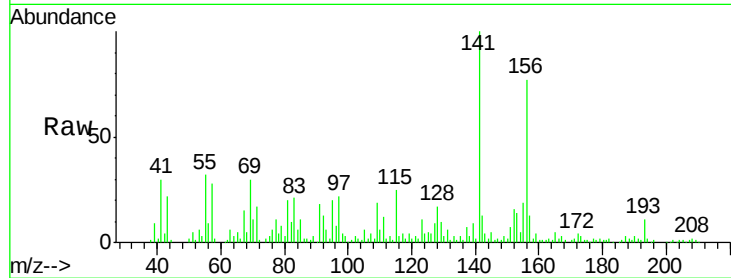
Tgt Ion:152 Resp: 21684

Ion Ratio Lower Upper

152 100

151 44.1 15.7 23.5#

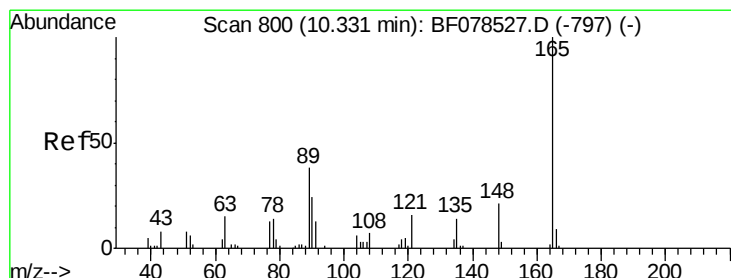
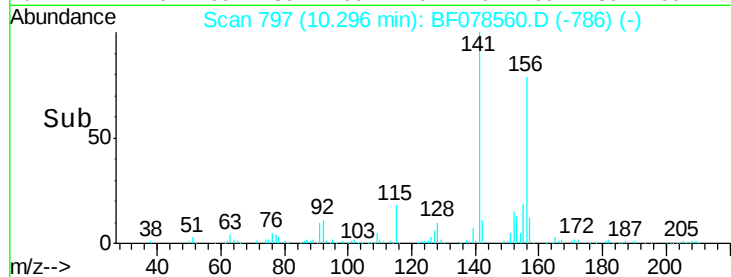
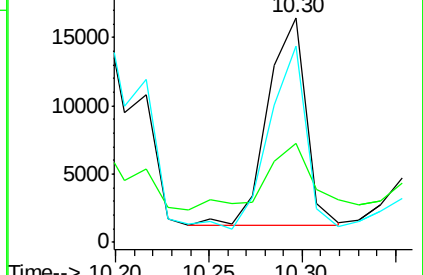
153 87.3 10.2 15.2#



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



#50

2,6-Dinitrotoluene

Concen: 2.50 ng

RT: 10.23 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

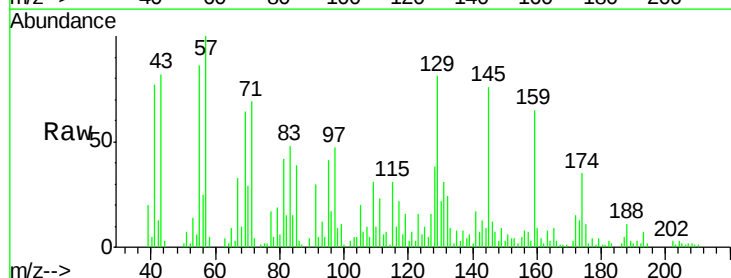
Tgt Ion:165 Resp: 2629

Ion Ratio Lower Upper

165 100

63 47.8 24.1 36.1#

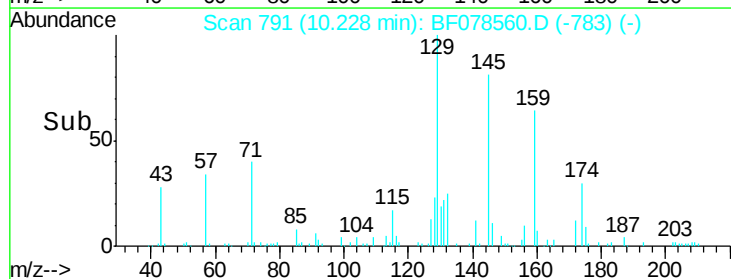
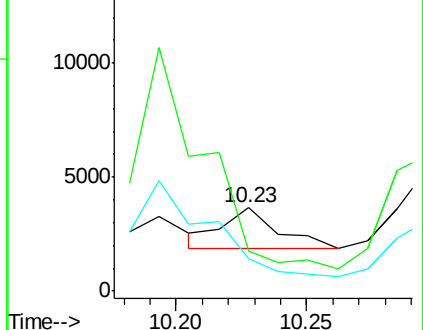
89 38.8 28.9 43.3

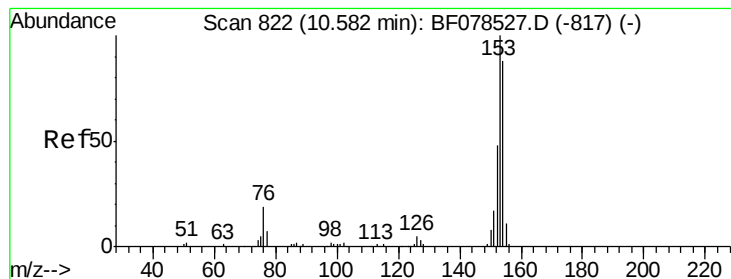


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 8.88 ng

RT: 10.50 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

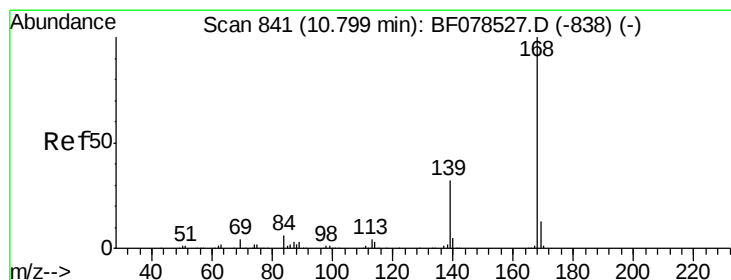
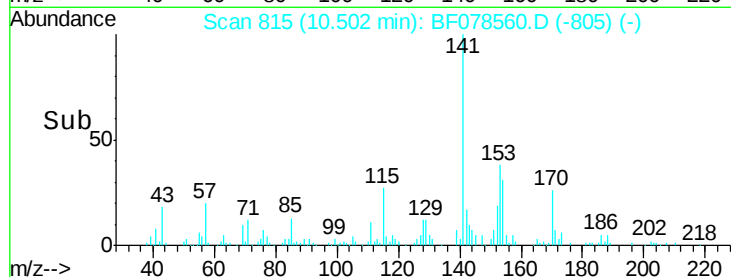
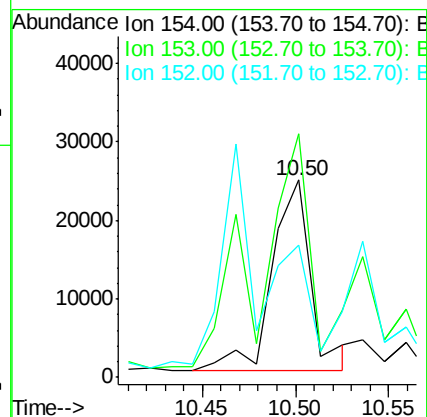
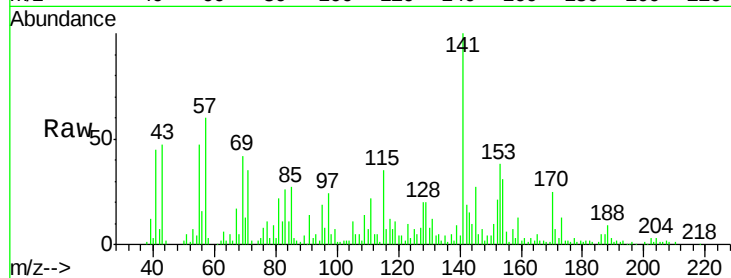
Tgt Ion:154 Resp: 35390

Ion Ratio Lower Upper

154 100

153 123.6 91.4 137.2

152 67.1 43.0 64.6#



#54

Dibenzofuran

Concen: 6.21 ng

RT: 10.72 min Scan# 834

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

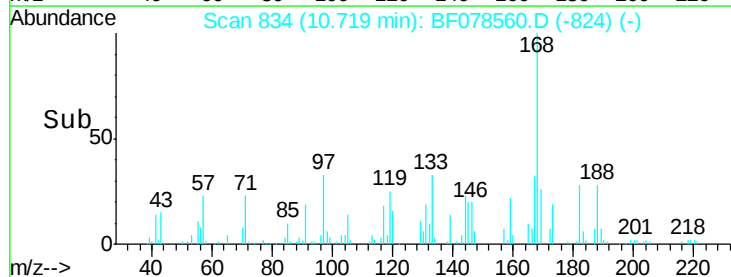
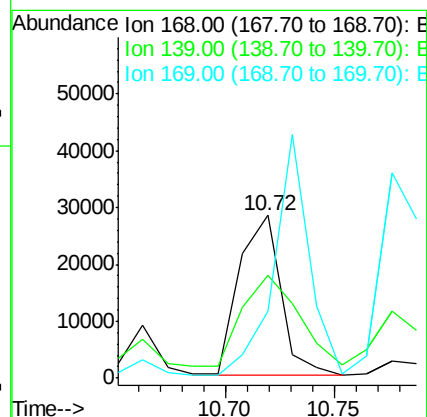
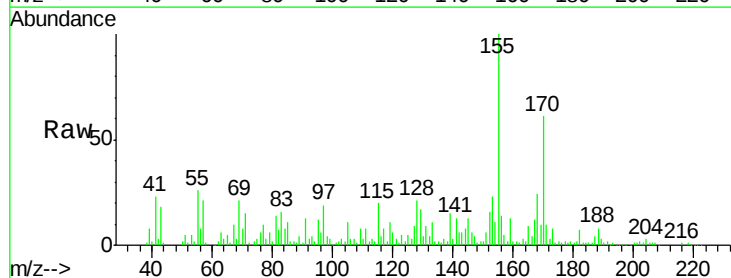
Tgt Ion:168 Resp: 37801

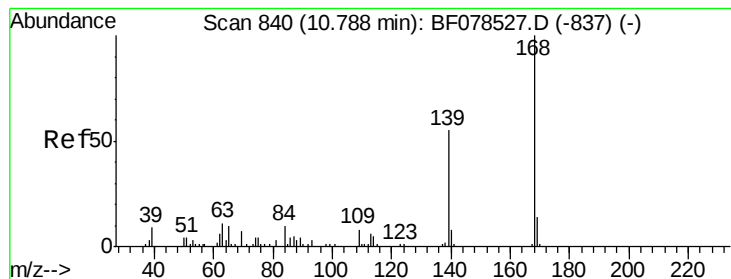
Ion Ratio Lower Upper

168 100

139 63.2 31.0 46.4#

169 41.4 10.7 16.1#





#55

4-Nitrophenol

Concen: 6.62 ng

RT: 10.66 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampled :

LS-SB101

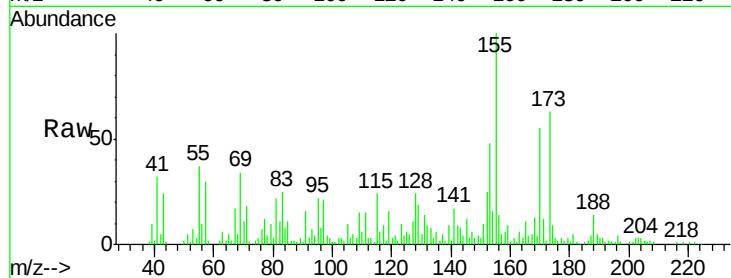
Tgt Ion:139 Resp: 3520

Ion Ratio Lower Upper

139 100

109 157.6 36.7 76.7#

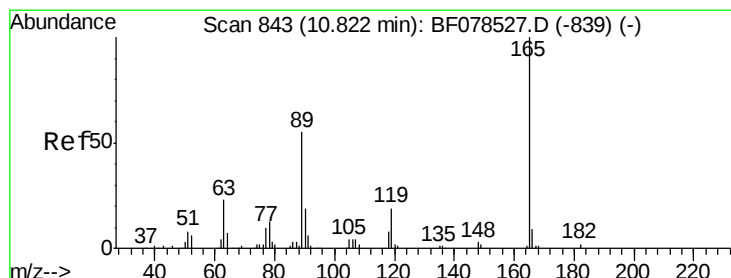
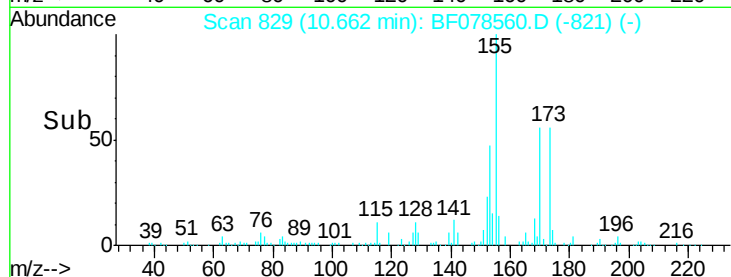
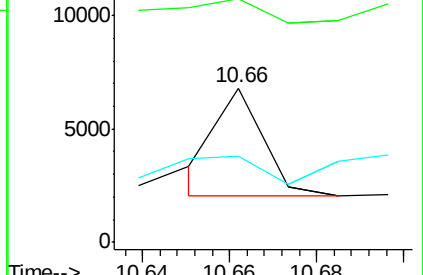
65 55.8 49.9 89.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BFO



#56

2,4-Dinitrotoluene

Concen: 14.84 ng

RT: 10.73 min Scan# 835

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Tgt Ion:165 Resp: 20232

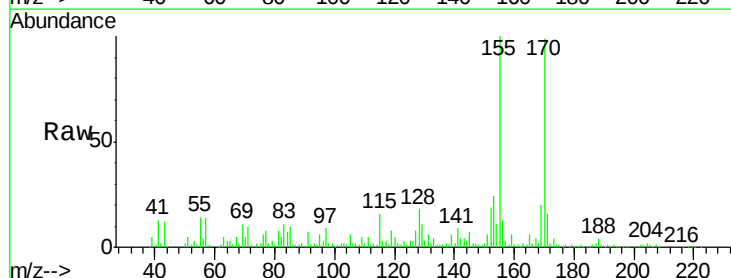
Ion Ratio Lower Upper

165 100

63 77.2 26.5 39.7#

89 36.5 46.4 69.6#

182 10.6 2.0 3.0#

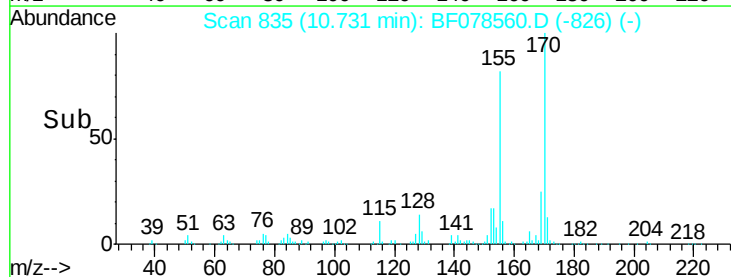
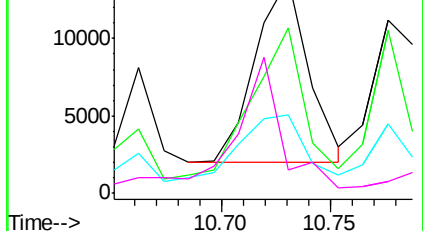


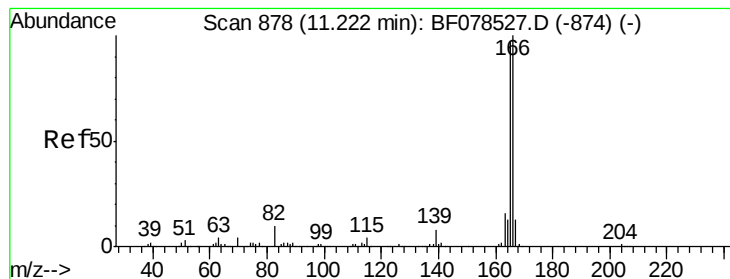
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BFO

Ion 89.00 (88.70 to 89.70): BFO

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 19.05 ng

RT: 11.13 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

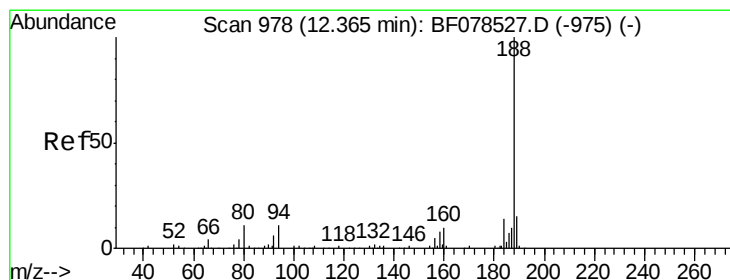
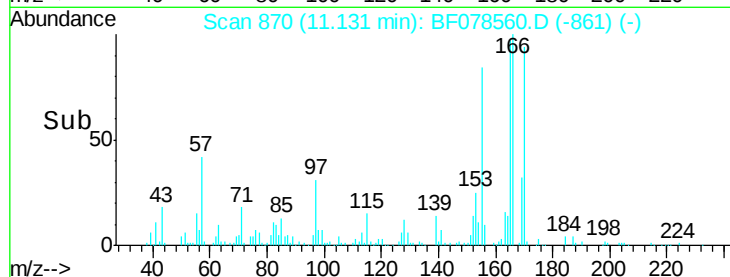
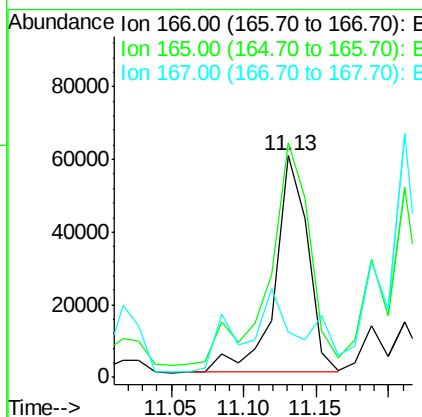
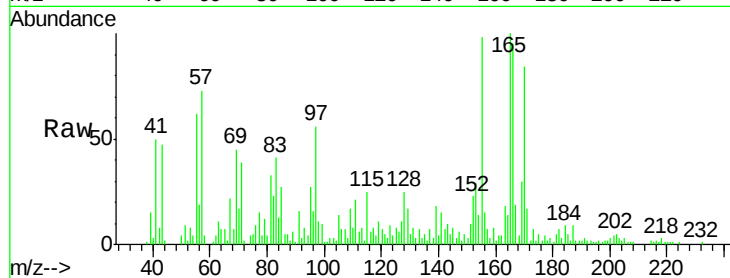
Tgt Ion:166 Resp: 94008

Ion Ratio Lower Upper

166 100

165 105.8 78.9 118.3

167 20.3 10.7 16.1#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.29 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

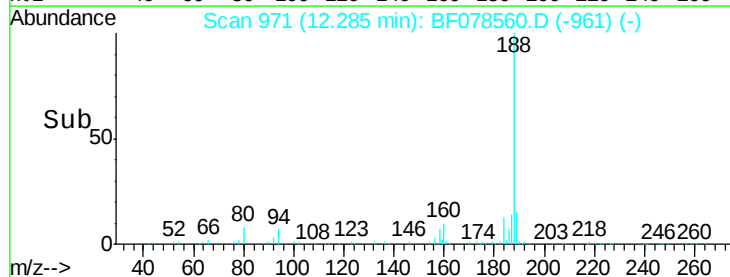
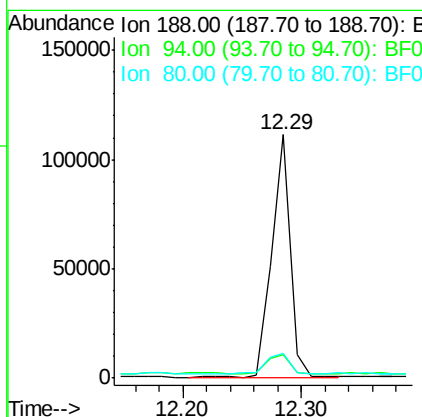
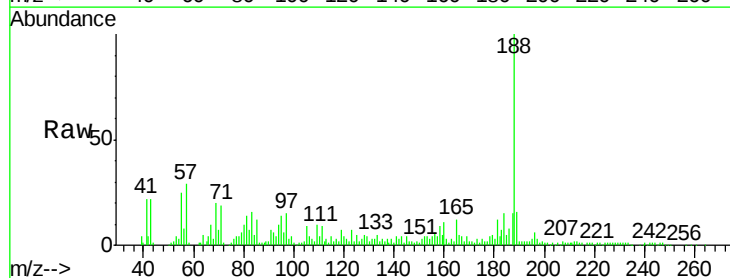
Tgt Ion:188 Resp: 119533

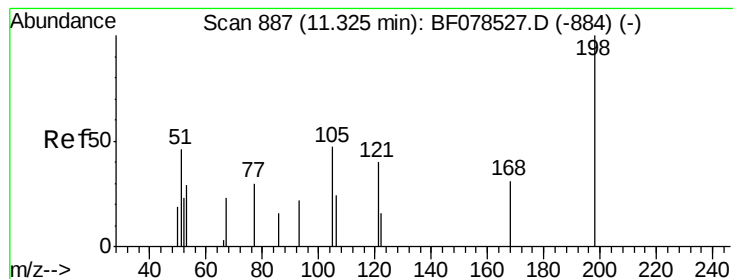
Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

80 9.9 9.5 14.3





#64

4,6-Dinitro-2-methylphenol

Concen: 11.51 ng

RT: 11.24 min Scan# 880

Delta R.T. 0.02 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

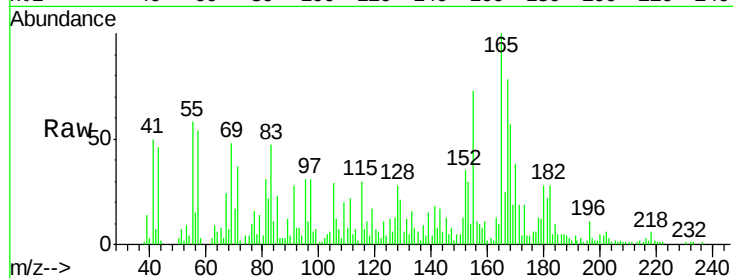
Tgt Ion:198 Resp: 2127

Ion Ratio Lower Upper

198 100

51 479.3 48.6 88.6#

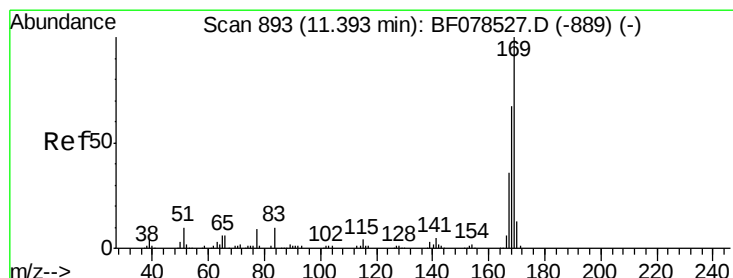
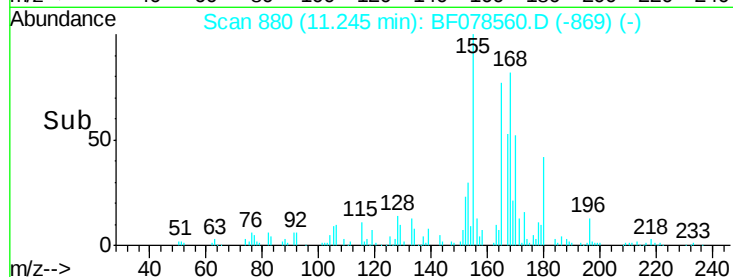
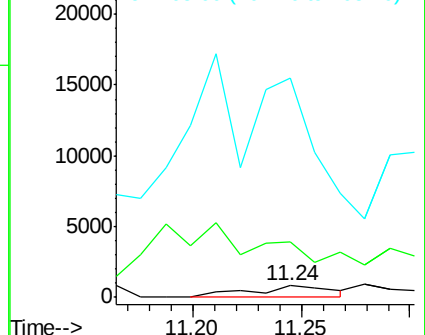
105 1914.8 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 32.96 ng

RT: 11.30 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

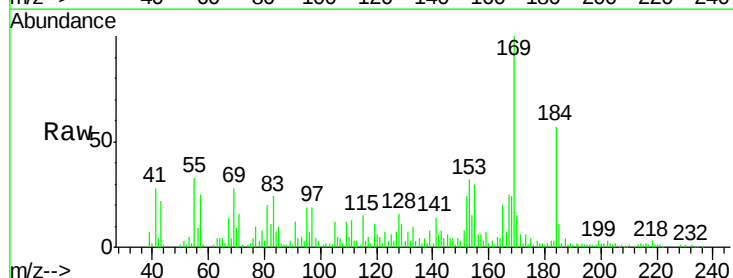
Tgt Ion:169 Resp: 136263

Ion Ratio Lower Upper

169 100

168 24.4 55.0 82.4#

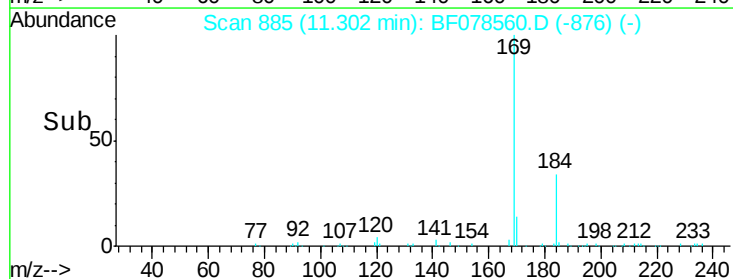
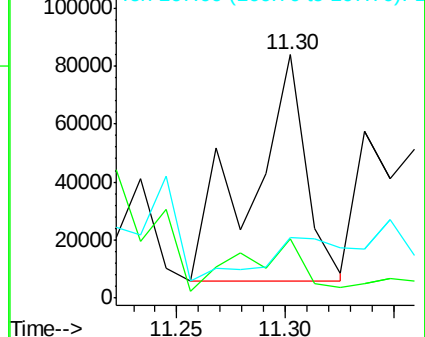
167 24.8 29.3 43.9#

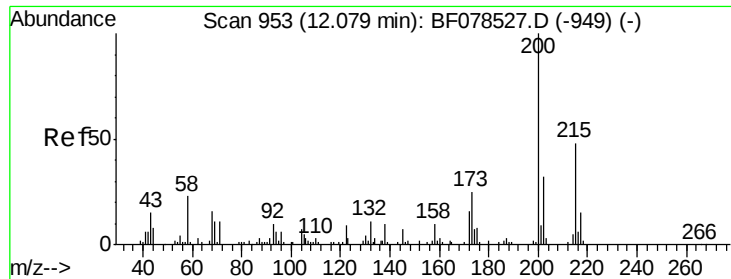


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

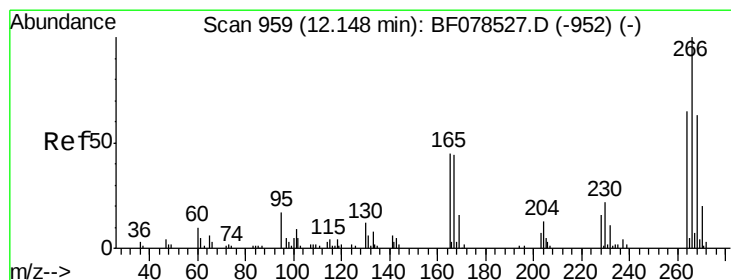
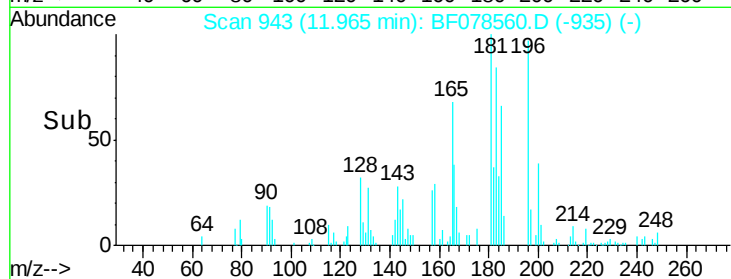
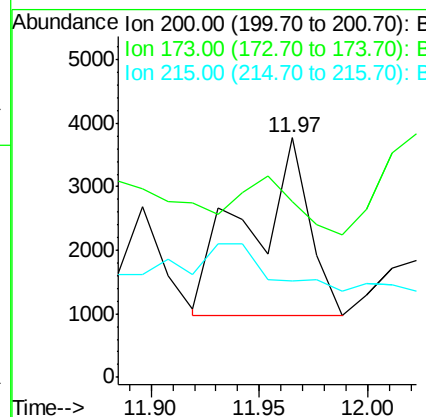
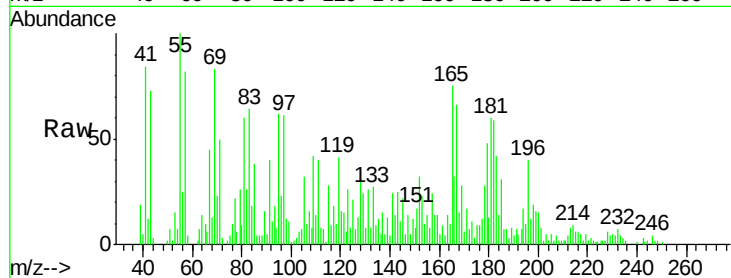




#68  
Atrazine  
Concen: 4.55 ng  
RT: 11.97 min Scan# 943  
Delta R.T. -0.01 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

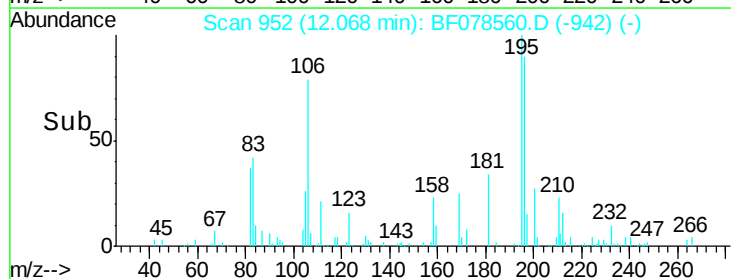
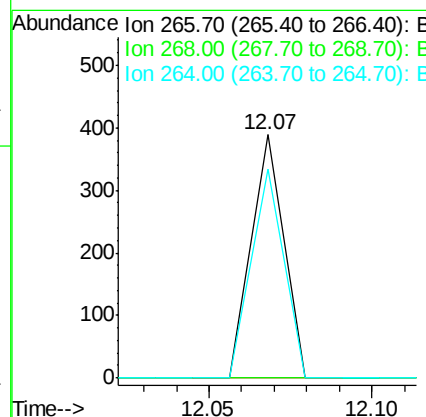
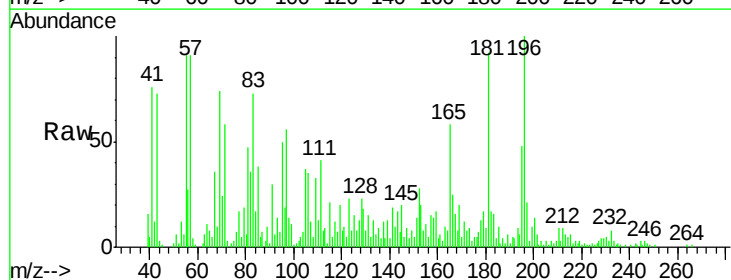
Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB101

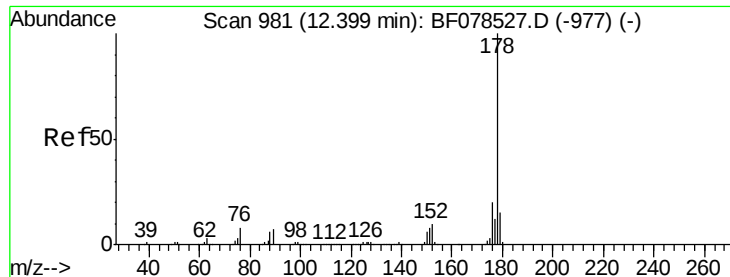
Tgt Ion:200 Resp: 5445  
Ion Ratio Lower Upper  
200 100  
173 73.2 6.9 46.9#  
215 40.5 27.1 67.1



#69  
Pentachlorophenol  
Concen: 8.15 ng  
RT: 12.07 min Scan# 952  
Delta R.T. 0.01 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Tgt Ion:266 Resp: 267  
Ion Ratio Lower Upper  
266 100  
268 0.0 50.1 75.1#  
264 85.9 50.0 75.0#

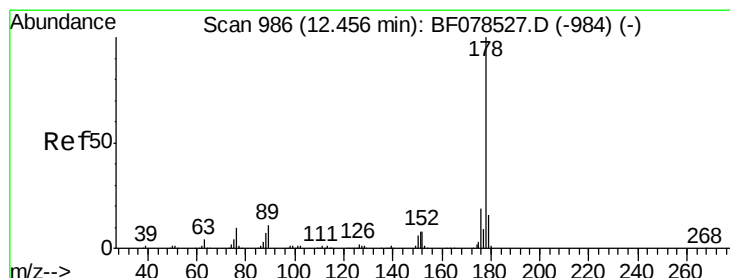
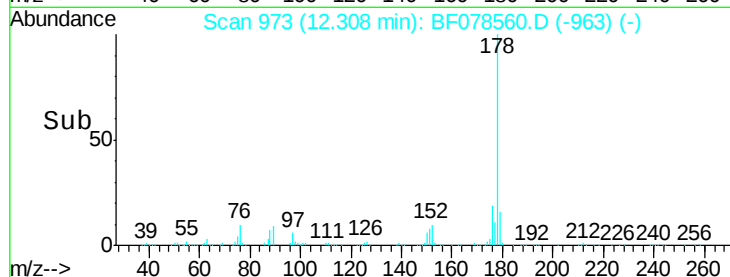
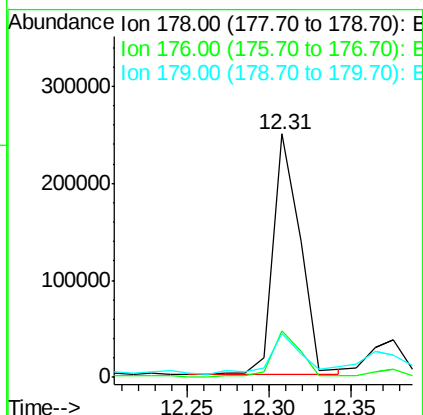
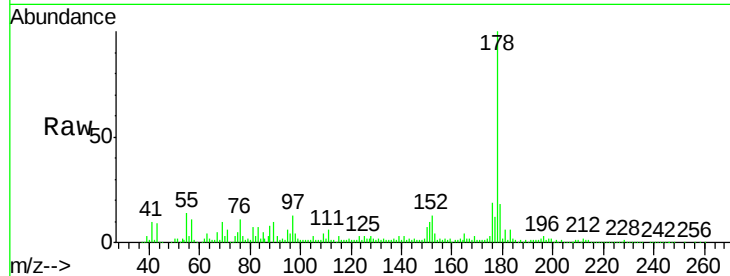




#70  
Phenanthrene  
Concen: 41.55 ng  
RT: 12.31 min Scan# 973  
Delta R.T. 0.01 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

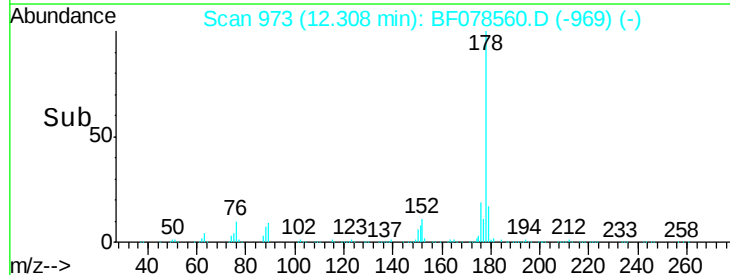
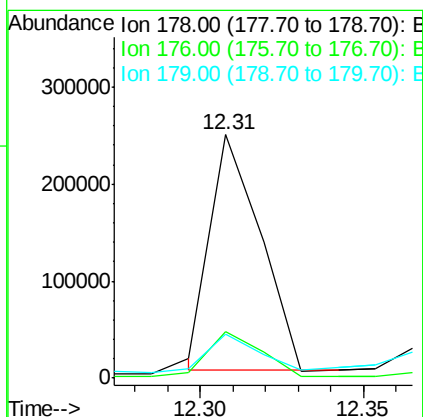
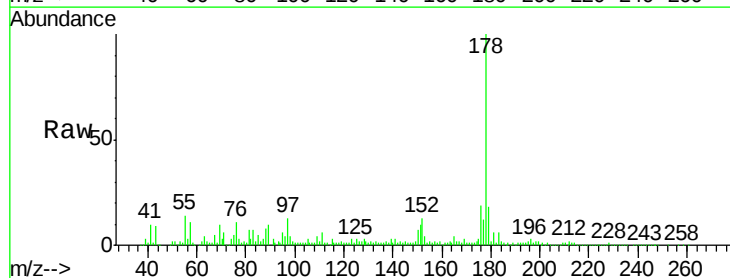
Instrument :  
BNA\_F  
ClientSampleId :  
LS-SB101

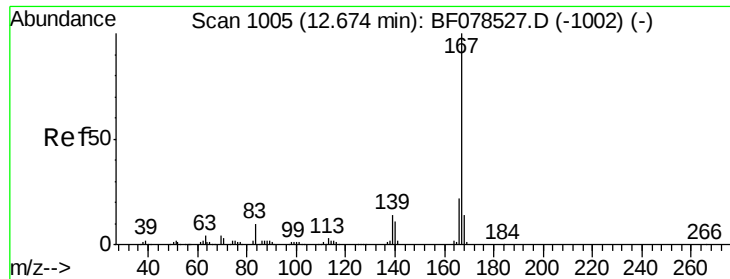
Tgt Ion:178 Resp: 287285  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 18.1 12.2 18.2



#71  
Anthracene  
Concen: 37.80 ng  
RT: 12.31 min Scan# 973  
Delta R.T. -0.06 min  
Lab File: BF078560.D  
Acq: 16 Apr 2015 3:07

Tgt Ion:178 Resp: 257535  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.8 22.2  
179 18.1 12.4 18.6





#72

Carbazole

Concen: 2.42 ng

RT: 12.59 min Scan# 998

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

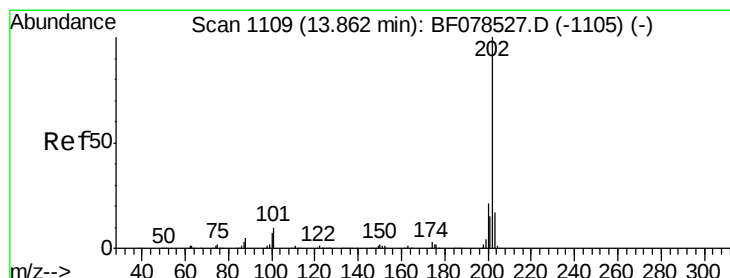
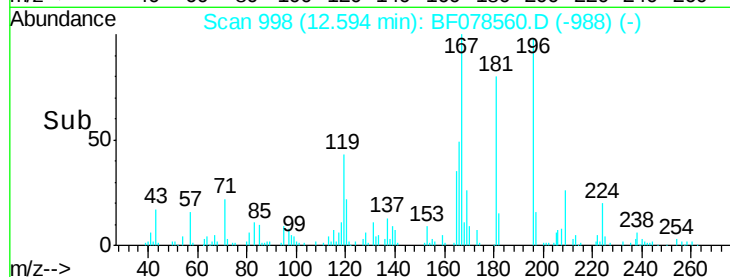
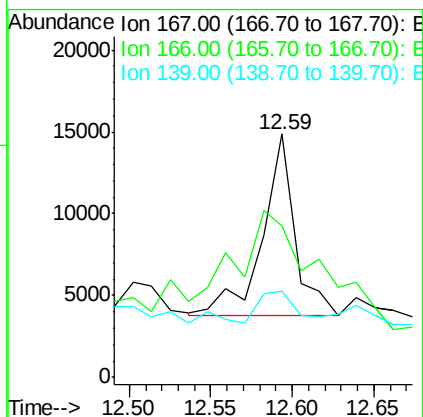
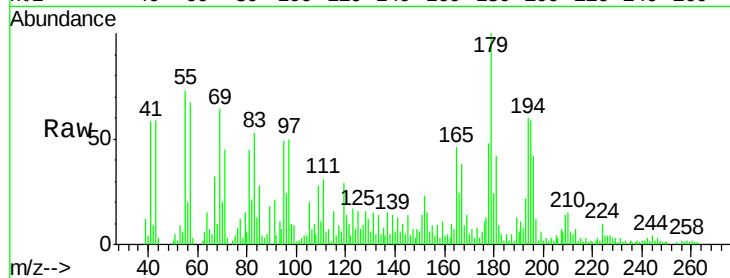
Tgt Ion:167 Resp: 15444

Ion Ratio Lower Upper

167 100

166 62.2 16.8 25.2#

139 35.6 10.0 15.0#



#74

Fluoranthene

Concen: 16.56 ng

RT: 13.77 min Scan# 1101

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

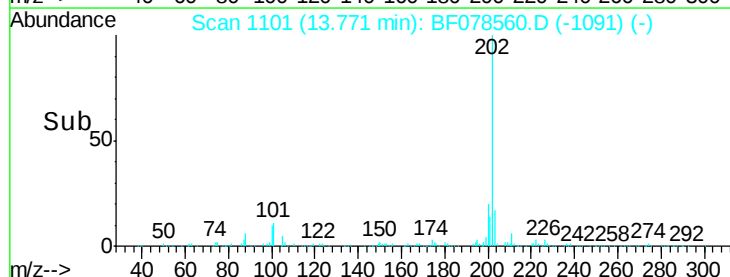
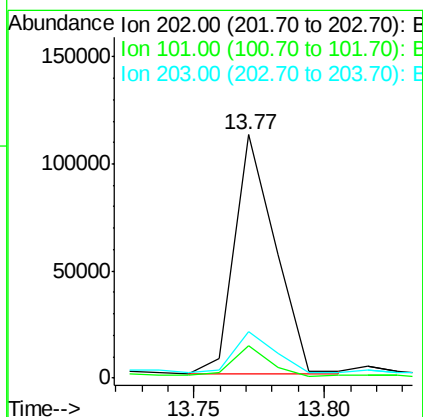
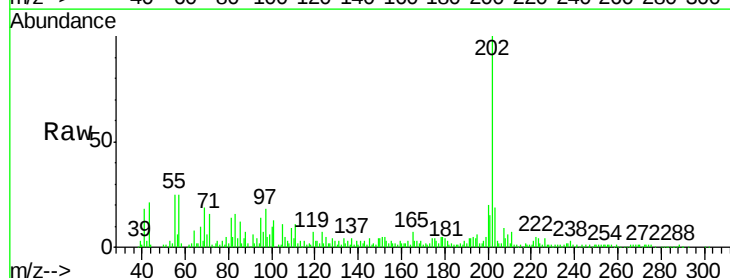
Tgt Ion:202 Resp: 120769

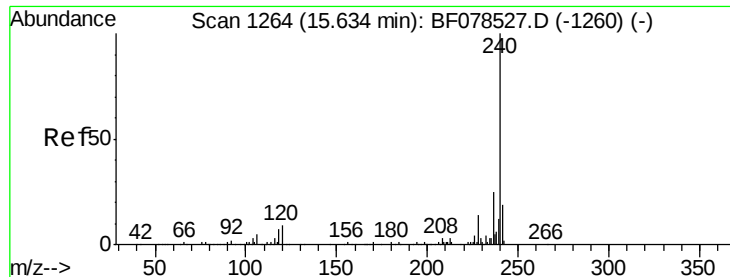
Ion Ratio Lower Upper

202 100

101 13.3 0.0 35.2

203 19.0 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

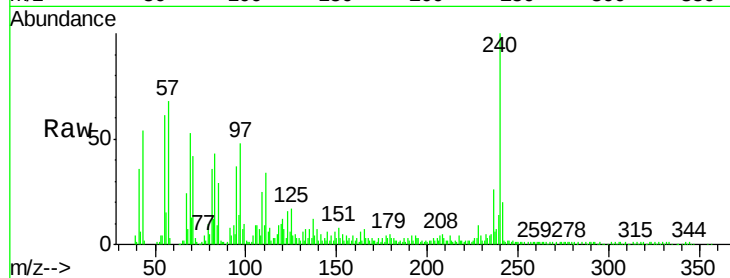
Tgt Ion:240 Resp: 122997

Ion Ratio Lower Upper

240 100

120 12.0 7.1 10.7#

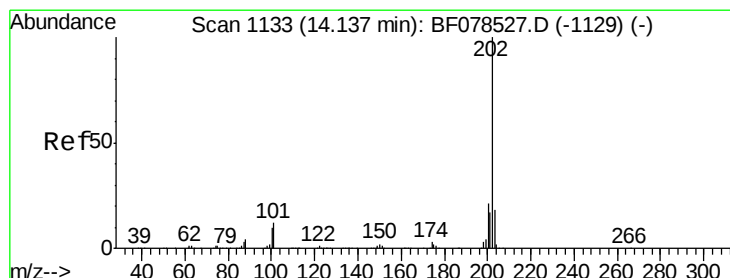
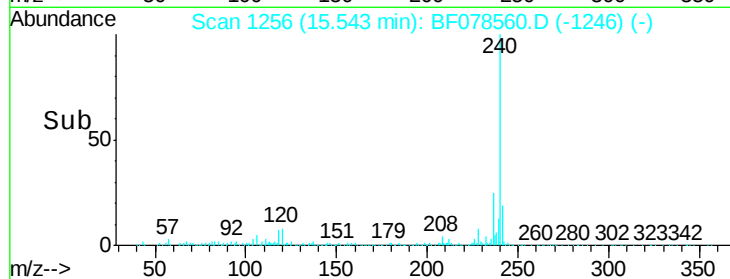
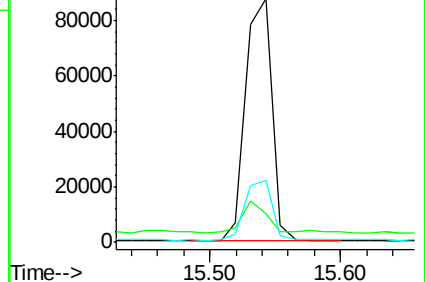
236 25.6 21.4 32.2



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: 18.91 ng

RT: 14.05 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

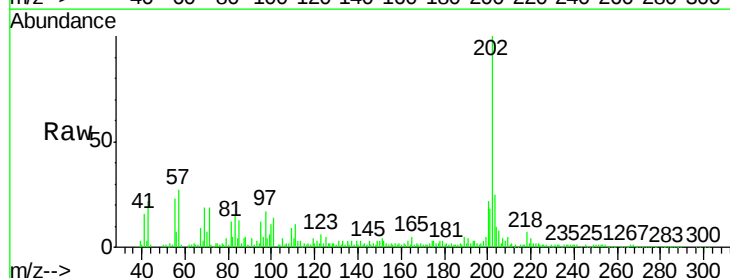
Tgt Ion:202 Resp: 146012

Ion Ratio Lower Upper

202 100

200 21.6 16.3 24.5

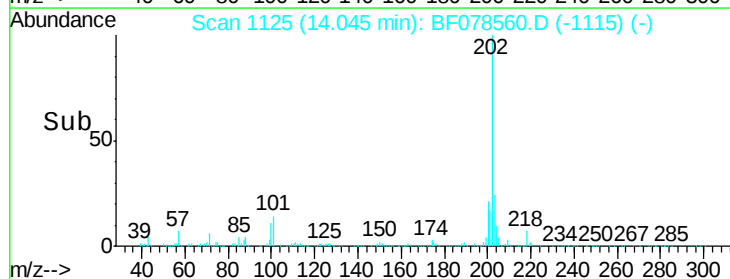
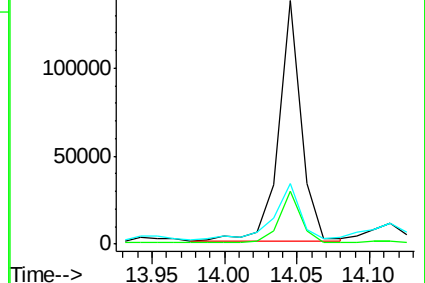
203 25.0 13.8 20.6#

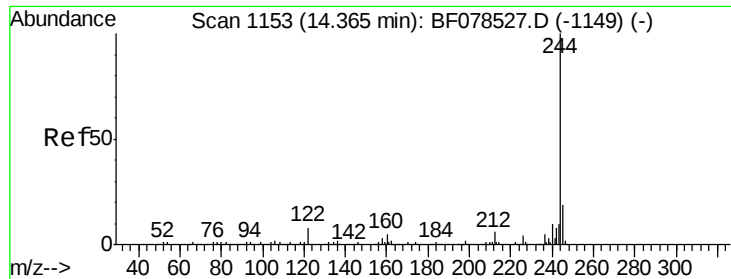


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.11 ng

RT: 14.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

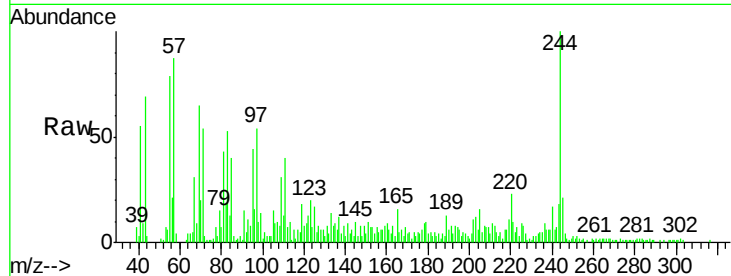
Tgt Ion:244 Resp: 44141

Ion Ratio Lower Upper

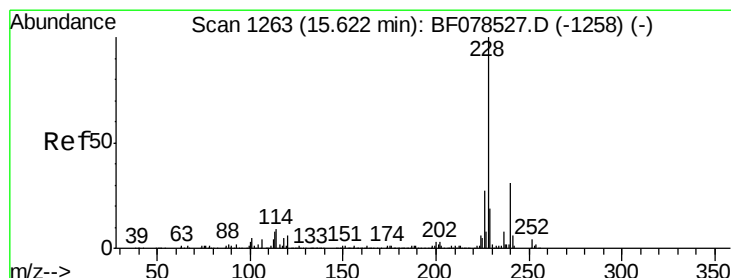
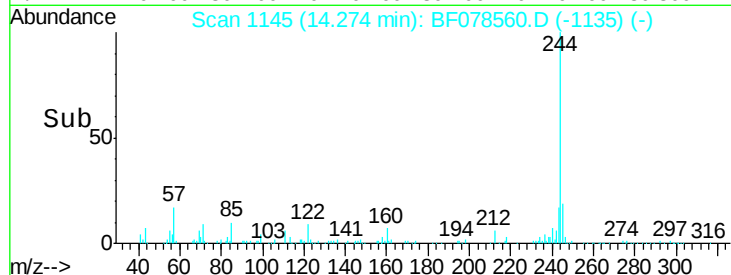
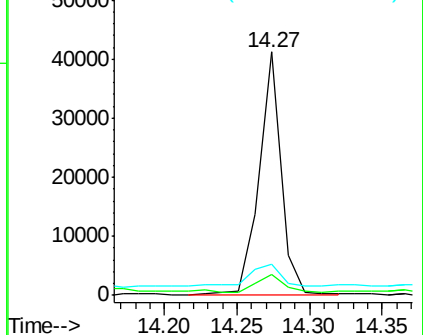
244 100

212 8.4 5.0 7.4#

122 13.0 7.1 10.7#



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: 8.07 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

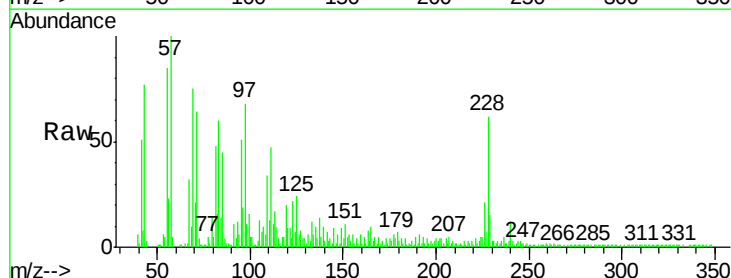
Tgt Ion:228 Resp: 59065

Ion Ratio Lower Upper

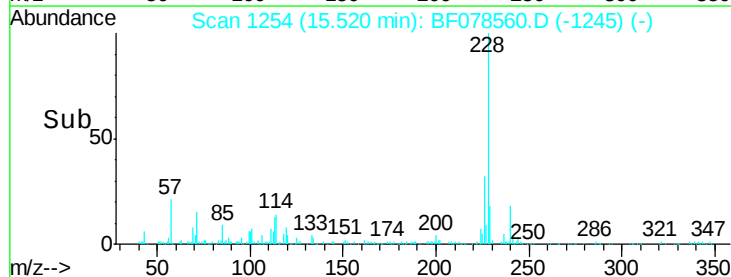
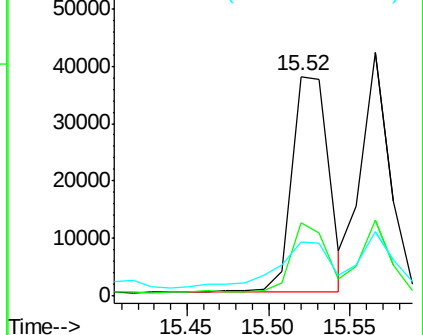
228 100

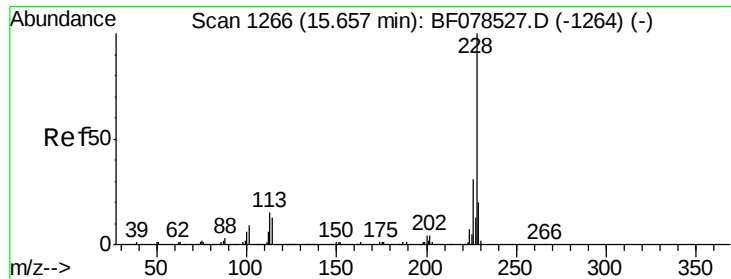
226 33.6 21.3 31.9#

229 24.6 15.4 23.2#



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: 7.26 ng

RT: 15.57 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

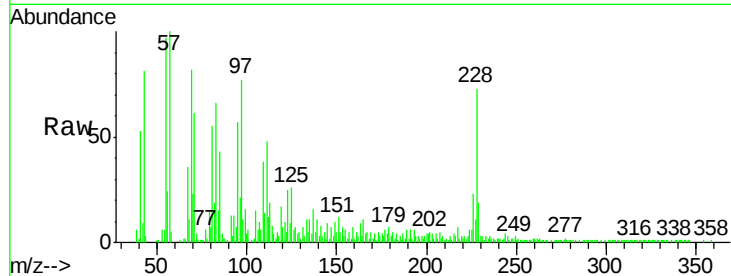
Tgt Ion:228 Resp: 49951

Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.4

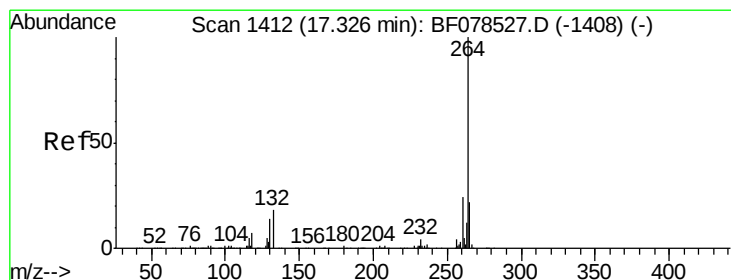
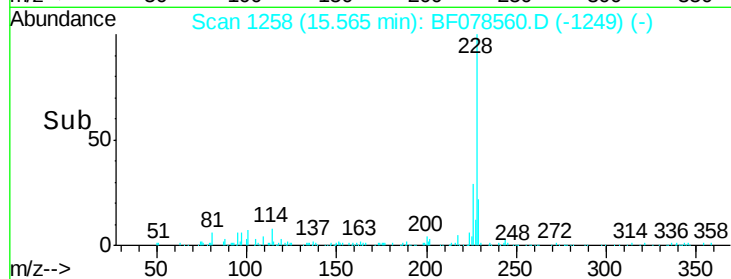
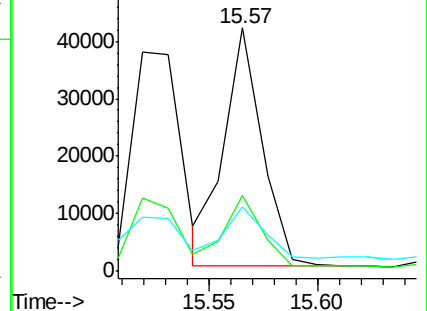
229 26.4 15.8 23.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.21 min Scan# 1402

Delta R.T. -0.09 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

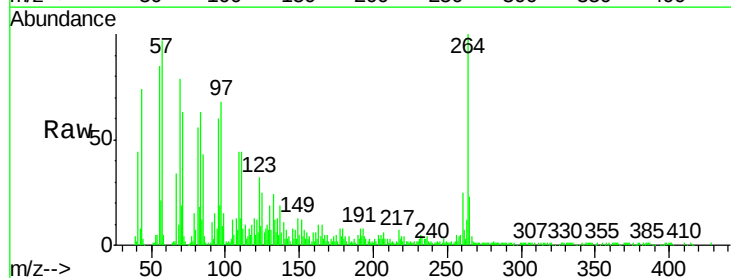
Tgt Ion:264 Resp: 119157

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

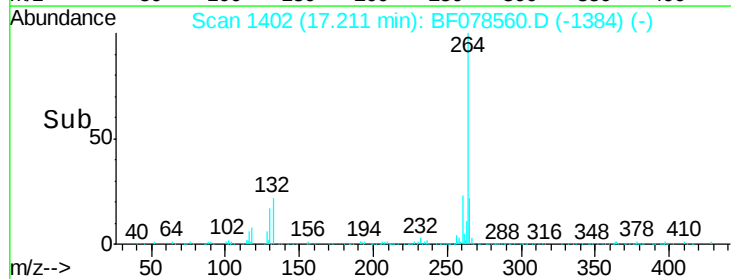
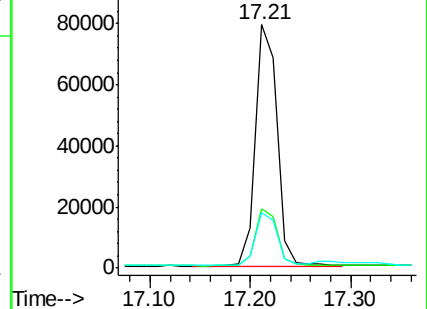
265 22.7 17.0 25.6

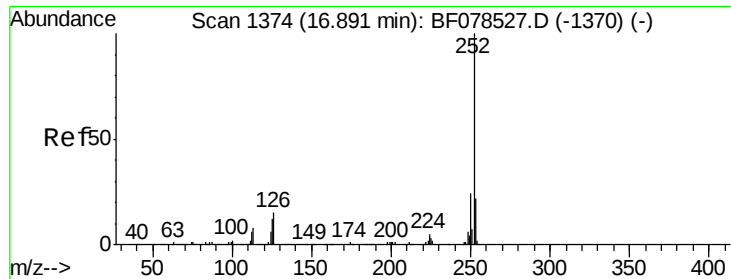


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.52 ng

RT: 16.79 min Scan# 1365

Delta R.T. -0.06 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampled :

LS-SB101

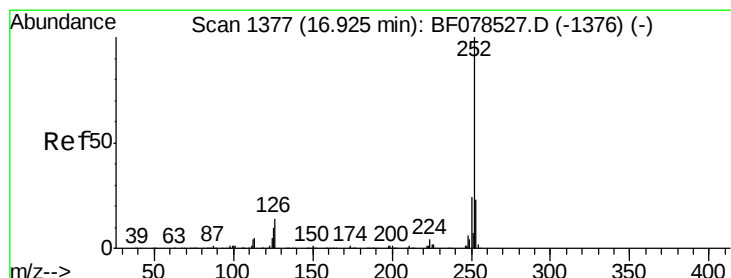
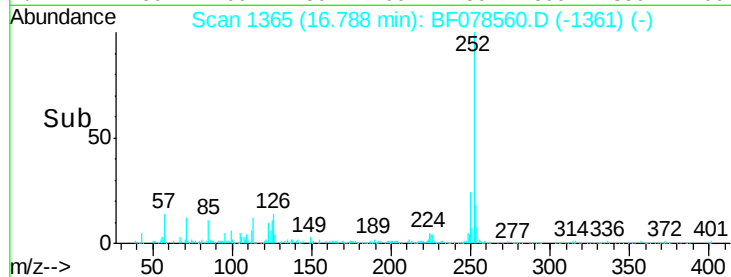
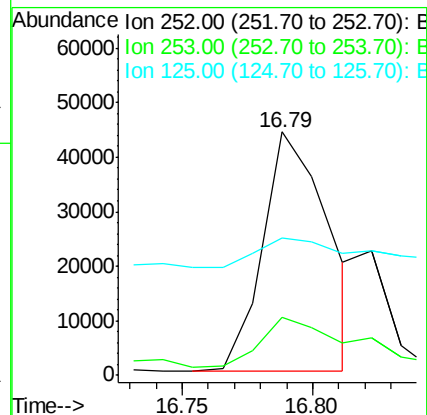
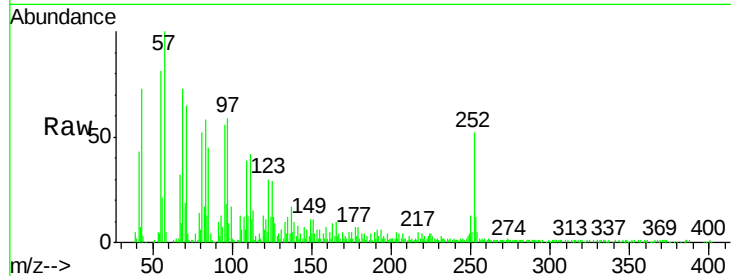
Tgt Ion:252 Resp: 77467

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 56.5 7.0 10.4#



#88

Benzo(k)fluoranthene

Concen: 14.74 ng

RT: 16.79 min Scan# 1365

Delta R.T. -0.09 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

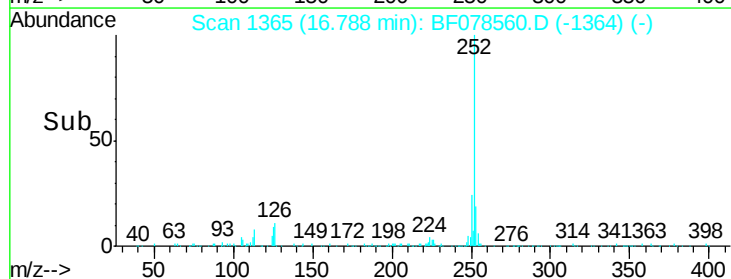
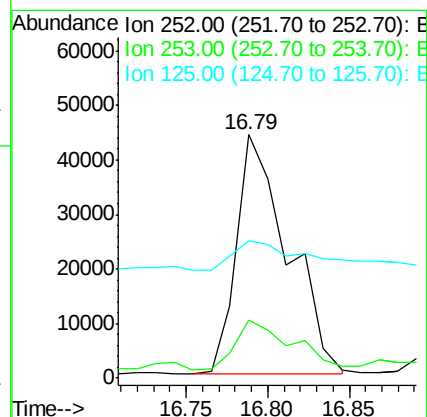
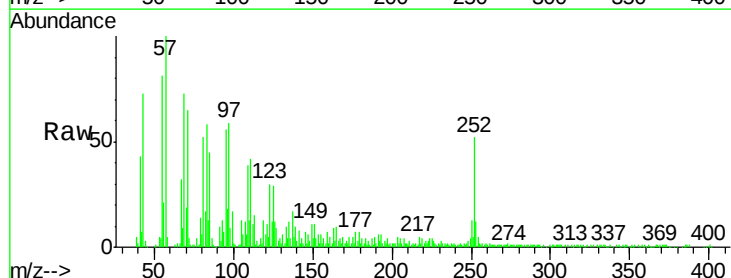
Tgt Ion:252 Resp: 96449

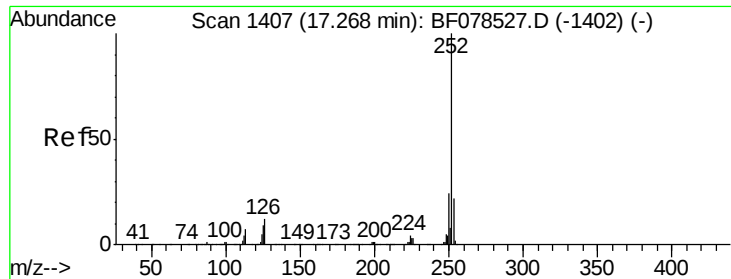
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 56.5 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 8.12 ng

RT: 17.15 min Scan# 1397

Delta R.T. -0.08 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

Instrument :

BNA\_F

ClientSampleId :

LS-SB101

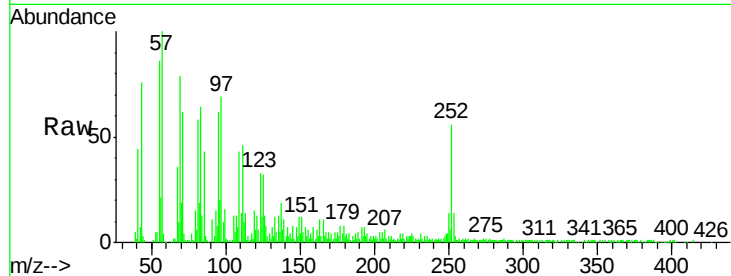
Tgt Ion:252 Resp: 52202

Ion Ratio Lower Upper

252 100

253 25.1 16.8 25.2

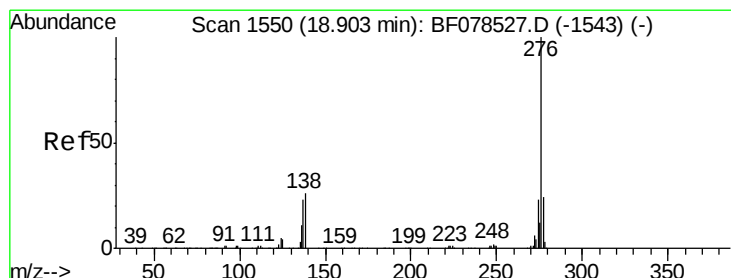
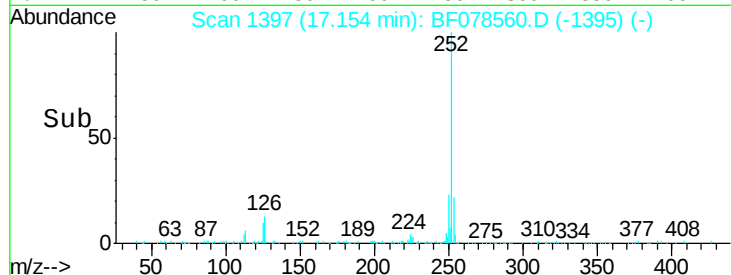
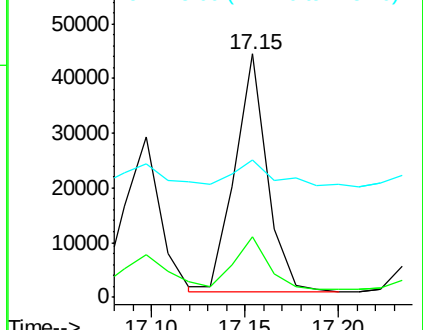
125 56.3 7.4 11.0#



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: 6.37 ng

RT: 18.74 min Scan# 1536

Delta R.T. -0.14 min

Lab File: BF078560.D

Acq: 16 Apr 2015 3:07

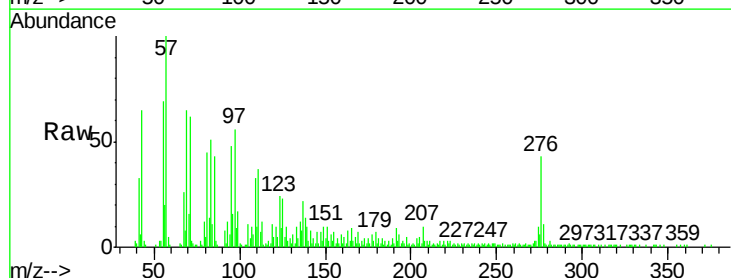
Tgt Ion:276 Resp: 41091

Ion Ratio Lower Upper

276 100

277 25.9 19.0 28.4

138 31.9 19.9 29.9#



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

