

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052716\  
 Data File : BF087464.D  
 Acq On : 28 May 2016 3:12  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: May 28 04:20:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 181572   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 9.52  | 136  | 773651   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10      | 12.35 | 164  | 363473   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10      | 14.75 | 188  | 684376   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 18.46 | 240  | 476242   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 20.11 | 264  | 391826   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 920020  | 89.03 | ng | -0.03 |
| 7) Phenol-d6             | 7.05  | 99  | 1186066 | 84.95 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 8.42  | 82  | 1246903 | 81.23 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.65 | 330 | 279976  | 80.16 | ng | -0.03 |
| 44) 2-Fluorobiphenyl     | 11.30 | 172 | 1982064 | 76.88 | ng | -0.03 |
| 78) Terphenyl-d14        | 17.11 | 244 | 1887526 | 84.26 | ng | -0.02 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 1.78  | 88  | 214065  | 39.26 | ng | # 75   |
| 3) Pyridine                    | 2.35  | 79  | 248908  | 20.88 | ng | # 60   |
| 4) n-Nitrosodimethylamine      | 2.34  | 42  | 406311  | 44.24 | ng | # 44   |
| 6) Aniline                     | 6.99  | 93  | 779307  | 43.14 | ng | 94     |
| 8) 2-Chlorophenol              | 7.18  | 128 | 540944  | 41.98 | ng | 95     |
| 9) Benzaldehyde                | 6.81  | 77  | 305775  | 39.67 | ng | 99     |
| 10) Phenol                     | 7.07  | 94  | 661848  | 43.41 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 502262  | 40.70 | ng | 88     |
| 12) 1,3-Dichlorobenzene        | 7.38  | 146 | 566678  | 40.32 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 7.52  | 146 | 592000  | 41.03 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 7.75  | 146 | 546039  | 40.91 | ng | 97     |
| 15) Benzyl Alcohol             | 7.79  | 79  | 446491  | 43.86 | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.98  | 45  | 1092432 | 39.34 | ng | 87     |
| 17) 2-Methylphenol             | 8.01  | 107 | 441635  | 42.76 | ng | # 89   |
| 18) Hexachloroethane           | 8.26  | 117 | 222018  | 41.24 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.23  | 70  | 441451  | 42.39 | ng | # 73   |
| 20) 3+4-Methylphenols          | 8.27  | 107 | 570881  | 45.73 | ng | # 61   |
| 22) Acetophenone               | 8.19  | 105 | 772051  | 41.77 | ng | # 98   |
| 24) Nitrobenzene               | 8.44  | 77  | 644667  | 39.78 | ng | 97     |
| 25) Isophorone                 | 8.84  | 82  | 1136830 | 41.29 | ng | 99     |
| 26) 2-Nitrophenol              | 8.95  | 139 | 283082  | 42.74 | ng | # 72   |
| 27) 2,4-Dimethylphenol         | 9.10  | 122 | 478488  | 41.61 | ng | 86     |
| 28) bis(2-Chloroethoxy)methane | 9.22  | 93  | 630842  | 40.68 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 9.36  | 162 | 411797  | 39.74 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 9.45  | 180 | 470310  | 39.65 | ng | 96     |
| 31) Naphthalene                | 9.55  | 128 | 1547150 | 39.91 | ng | 99     |
| 32) Benzoic acid               | 9.47  | 122 | 249475  | 42.85 | ng | # 80   |
| 33) 4-Chloroaniline            | 9.70  | 127 | 579613  | 40.59 | ng | # 92   |
| 34) Hexachlorobutadiene        | 9.77  | 225 | 290750  | 40.32 | ng | 98     |
| 35) Caprolactam                | 10.38 | 113 | 108391  | 35.84 | ng | # 55   |
| 36) 4-Chloro-3-methylphenol    | 10.57 | 107 | 496333  | 42.37 | ng | 89     |
| 37) 2-Methylnaphthalene        | 10.68 | 142 | 968714  | 40.00 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.96 | 216 | 457868  | 39.35 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 10.92 | 237 | 137177  | 34.72 | ng | 95     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

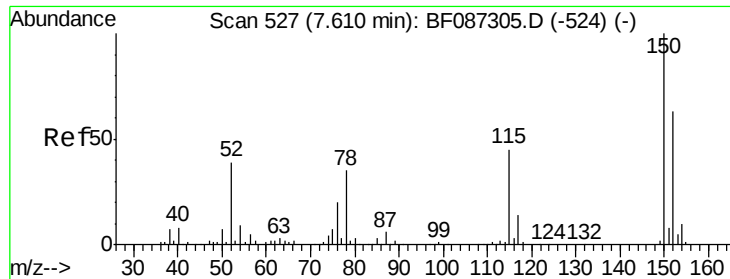
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: May 28 04:20:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
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 QLast Update : Wed May 25 16:26:52 2016  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 11.19 | 196  | 275355   | 41.00 | ng    | 93       |
| 43) 2,4,5-Trichlorophenol      | 11.27 | 196  | 264977   | 38.74 | ng #  | 91       |
| 45) 1,1'-Biphenyl              | 11.45 | 154  | 1141485  | 37.30 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 11.47 | 162  | 917855   | 39.20 | ng    | 97       |
| 47) 2-Nitroaniline             | 11.69 | 65   | 365976   | 43.39 | ng #  | 77       |
| 48) Acenaphthylene             | 12.13 | 152  | 1431996  | 38.63 | ng    | 99       |
| 49) Dimethylphthalate          | 12.01 | 163  | 1156758  | 39.73 | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 12.11 | 165  | 243123   | 41.44 | ng #  | 80       |
| 51) Acenaphthene               | 12.41 | 154  | 904043   | 39.68 | ng    | 97       |
| 52) 3-Nitroaniline             | 12.38 | 138  | 259724   | 43.13 | ng    | 86       |
| 53) 2,4-Dinitrophenol          | 12.58 | 184  | 117857   | 42.59 | ng #  | 85       |
| 54) Dibenzofuran               | 12.70 | 168  | 1201166  | 38.94 | ng    | 97       |
| 55) 4-Nitrophenol              | 12.77 | 139  | 119305   | 41.54 | ng #  | 22       |
| 56) 2,4-Dinitrotoluene         | 12.77 | 165  | 321223   | 40.97 | ng #  | 90       |
| 57) Fluorene                   | 13.25 | 166  | 1006710  | 37.64 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 12.93 | 232  | 218112   | 41.46 | ng    | 98       |
| 59) Diethylphthalate           | 13.15 | 149  | 1136496  | 40.15 | ng    | 100      |
| 60) 4-Chlorophenyl-phenylether | 13.27 | 204  | 502368   | 38.51 | ng    | 99       |
| 61) 4-Nitroaniline             | 13.38 | 138  | 229691   | 40.87 | ng #  | 63       |
| 62) Azobenzene                 | 13.53 | 77   | 1195730  | 40.72 | ng    | 86       |
| 64) 4,6-Dinitro-2-methylphenol | 13.44 | 198  | 180048   | 41.38 | ng #  | 83       |
| 65) n-Nitrosodiphenylamine     | 13.50 | 169  | 888163   | 40.13 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 14.06 | 248  | 287377   | 38.38 | ng    | 97       |
| 67) Hexachlorobenzene          | 14.13 | 284  | 302603   | 38.64 | ng #  | 68       |
| 68) Atrazine                   | 14.41 | 200  | 219434   | 31.10 | ng    | 93       |
| 69) Pentachlorophenol          | 14.49 | 266  | 106492   | 46.56 | ng    | 95       |
| 70) Phenanthrene               | 14.79 | 178  | 1447823  | 38.19 | ng    | 100      |
| 71) Anthracene                 | 14.88 | 178  | 1512352  | 39.49 | ng    | 99       |
| 72) Carbazole                  | 15.17 | 167  | 1274486  | 39.02 | ng    | 98       |
| 73) Di-n-butylphthalate        | 15.74 | 149  | 1692150  | 40.06 | ng #  | 98       |
| 74) Fluoranthene               | 16.55 | 202  | 1461548  | 38.45 | ng    | 97       |
| 76) Benzidine                  | 16.78 | 184  | 555744   | 45.35 | ng    | 99       |
| 77) Pyrene                     | 16.86 | 202  | 1523512  | 44.44 | ng    | 100      |
| 79) Butylbenzylphthalate       | 17.77 | 149  | 705054   | 46.38 | ng #  | 84       |
| 80) Benzo(a)anthracene         | 18.43 | 228  | 1123474  | 41.47 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 18.43 | 252  | 645298   | 43.12 | ng #  | 93       |
| 82) Chrysene                   | 18.49 | 228  | 1070036  | 39.80 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 18.51 | 149  | 963988   | 43.46 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 19.28 | 149  | 1316506  | 38.92 | ng #  | 84       |
| 85) Indeno(1,2,3-cd)pyrene     | 21.34 | 276  | 924013   | 42.87 | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 19.71 | 252  | 1801532  | 72.18 | ng #  | 95       |
| 88) Benzo(k)fluoranthene       | 19.71 | 252  | 1803795  | 83.96 | ng #  | 98       |
| 89) Benzo(a)pyrene             | 20.06 | 252  | 842705   | 39.04 | ng #  | 95       |
| 90) Dibenzo(a,h)anthracene     | 21.34 | 278  | 776805   | 42.19 | ng    | 97       |
| 91) Benzo(g,h,i)perylene       | 21.68 | 276  | 767877   | 42.27 | ng    | 94       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

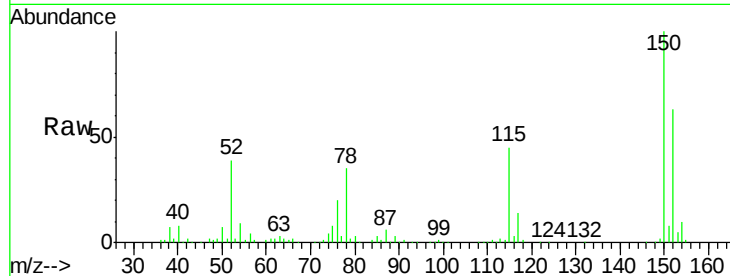
Tgt Ion:152 Resp: 181572

Ion Ratio Lower Upper

152 100

150 158.0 125.8 188.6

115 71.6 51.5 77.3

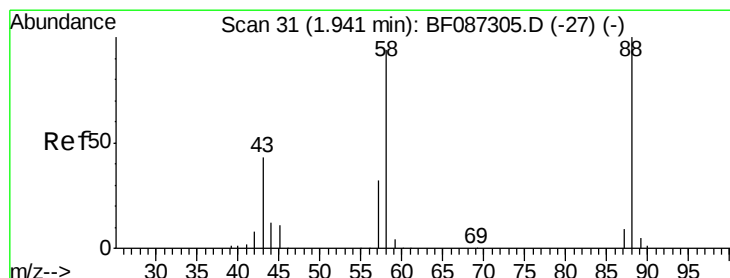
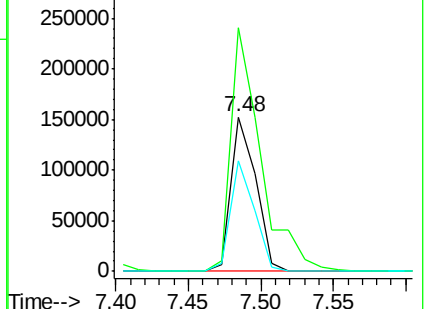
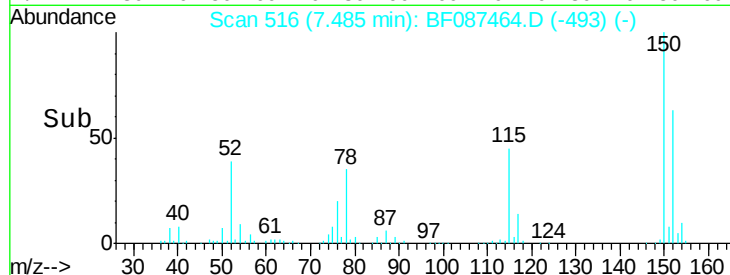


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time--> 7.40 7.45 7.50 7.55



#2

1,4-Dioxane

Concen: 39.26 ng

RT: 1.78 min Scan# 17

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

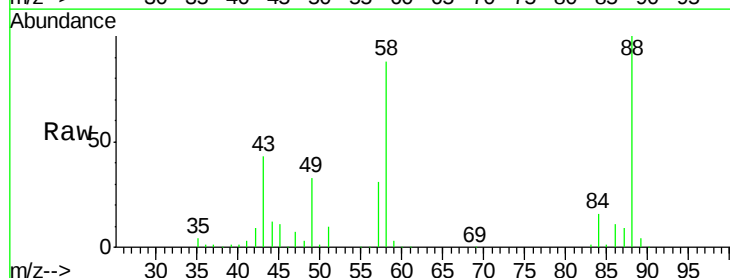
Tgt Ion: 88 Resp: 214065

Ion Ratio Lower Upper

88 100

58 91.7 59.6 89.4#

43 46.7 21.8 32.6#

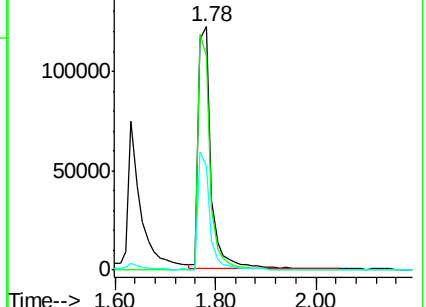
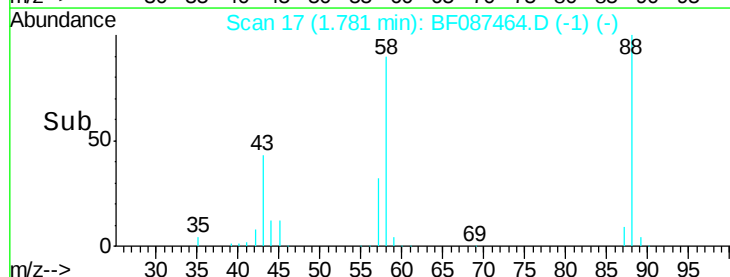


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

Time--> 1.60 1.80 2.00

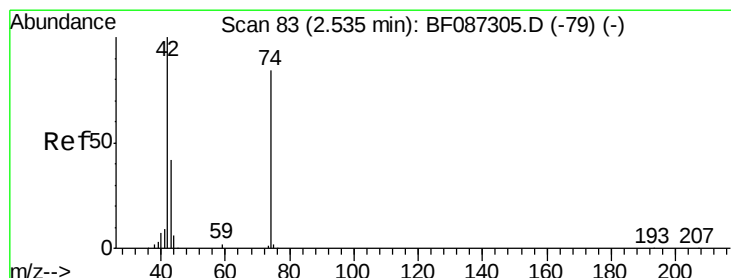
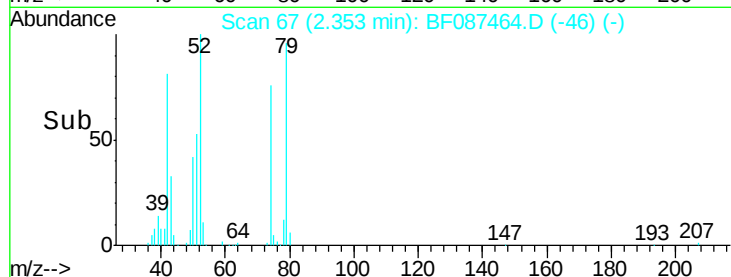
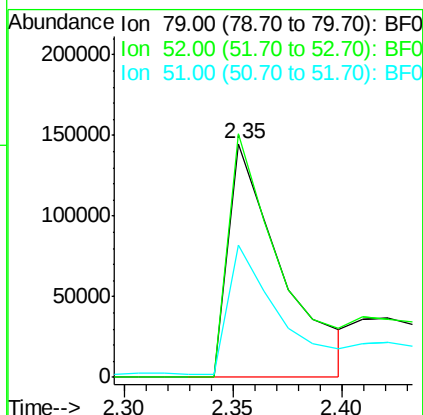
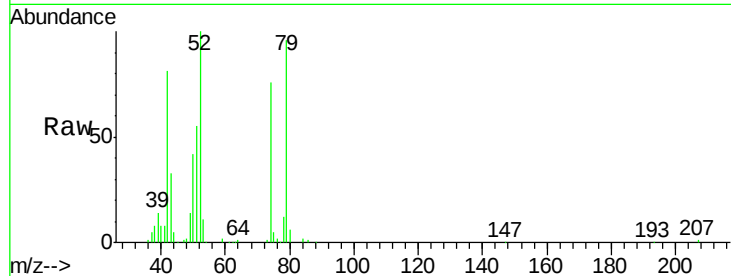




#3  
 Pyridine  
 Concen: 20.88 ng  
 RT: 2.35 min Scan# 67  
 Delta R.T. -0.06 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

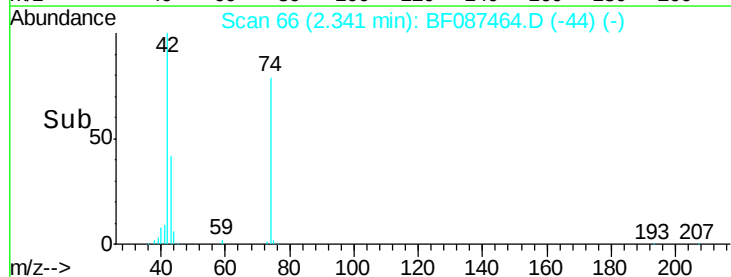
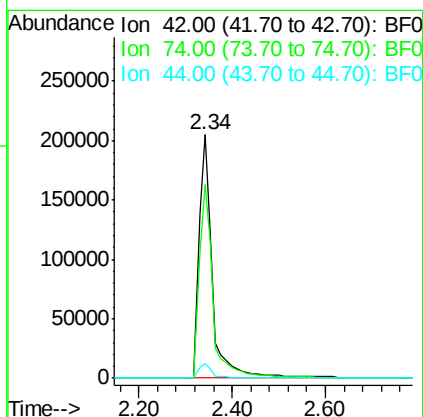
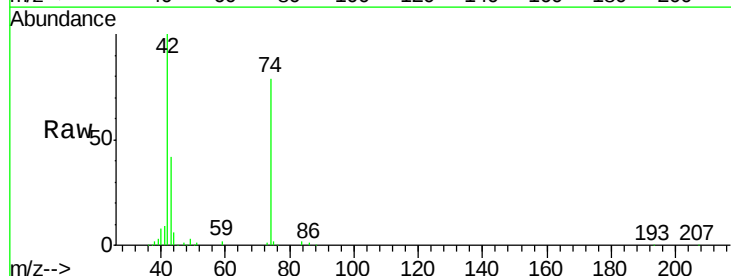
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 79 Resp: 248908  
 Ion Ratio Lower Upper  
 79 100  
 52 104.1 55.9 83.9#  
 51 56.8 28.1 42.1#



#4  
 n-Nitrosodimethylamine  
 Concen: 44.24 ng  
 RT: 2.34 min Scan# 66  
 Delta R.T. -0.05 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion: 42 Resp: 406311  
 Ion Ratio Lower Upper  
 42 100  
 74 79.3 123.4 185.0#  
 44 5.8 5.8 8.6





#5

2-Fluorophenol

Concen: 89.03 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

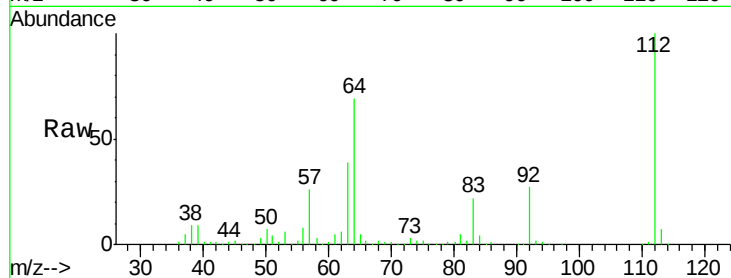
Tgt Ion: 112 Resp: 920020

Ion Ratio Lower Upper

112 100

64 68.8 52.1 78.1

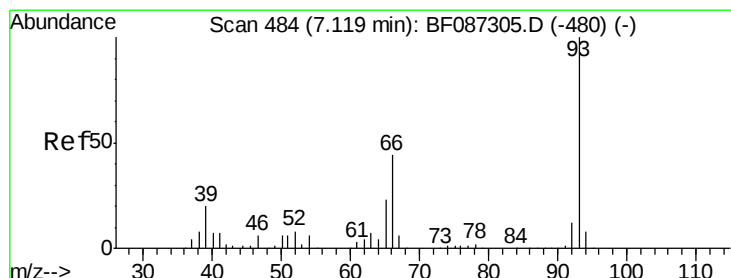
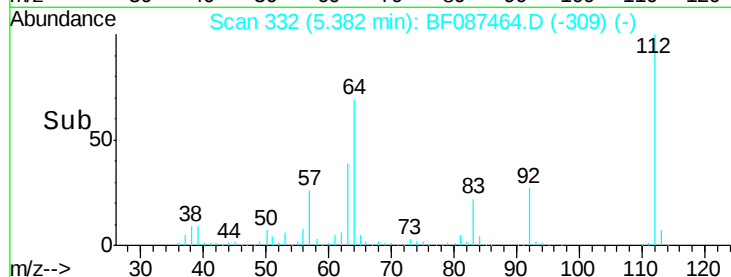
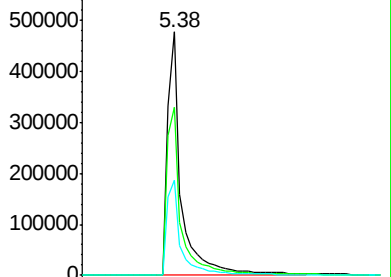
63 39.0 25.7 38.5#



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



#6

Aniline

Concen: 43.14 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

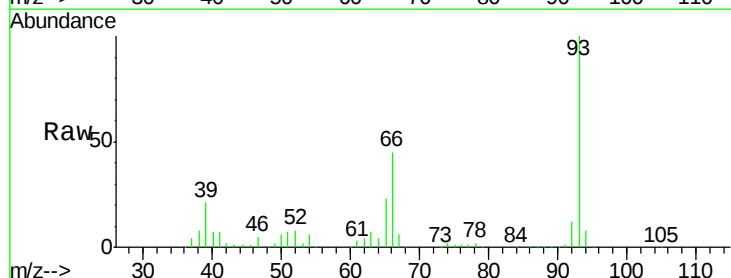
Tgt Ion: 93 Resp: 779307

Ion Ratio Lower Upper

93 100

66 44.8 39.0 58.6

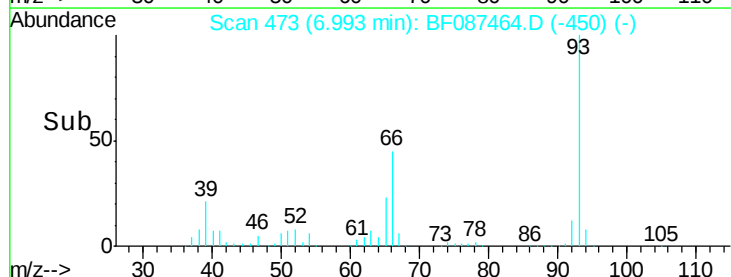
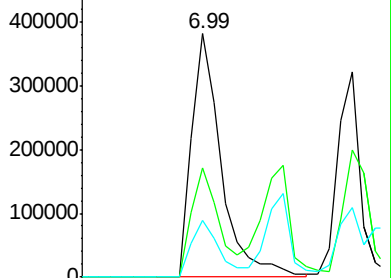
65 23.2 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 84.95 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

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BNA\_F

ClientSampleId :

SSTDCCC040

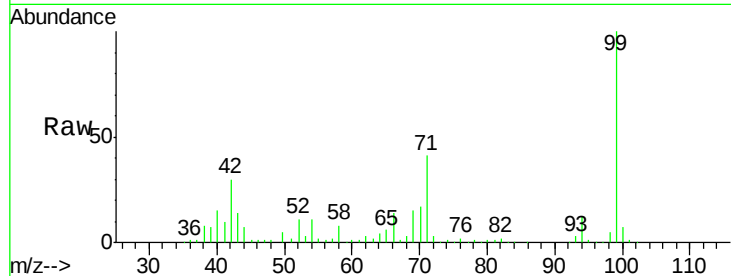
Tgt Ion: 99 Resp: 1186066

Ion Ratio Lower Upper

99 100

42 30.3 13.6 20.4#

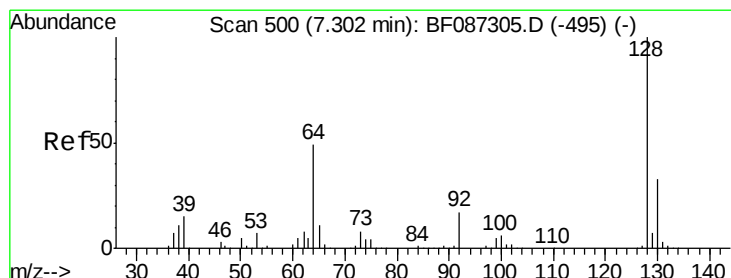
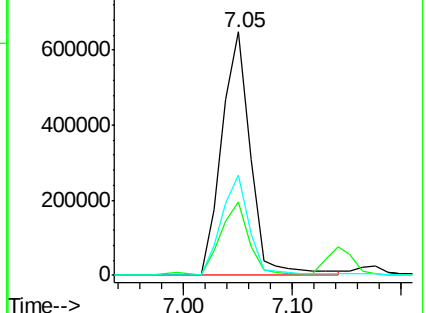
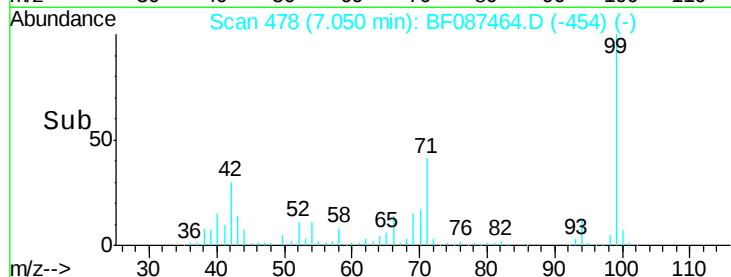
71 41.0 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.98 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

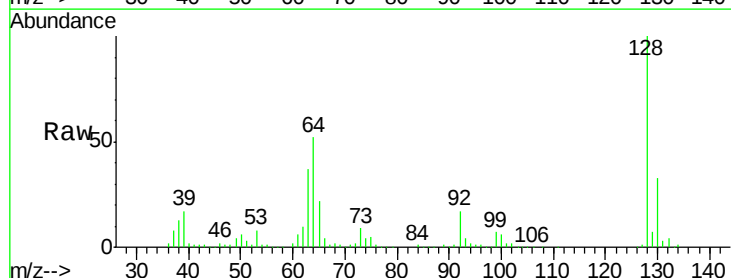
Tgt Ion: 128 Resp: 540944

Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

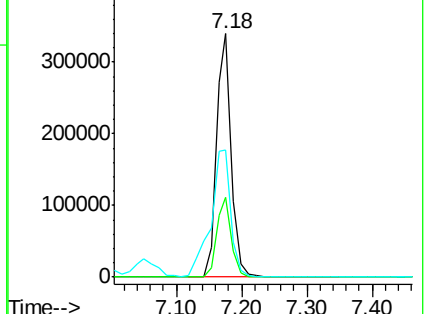
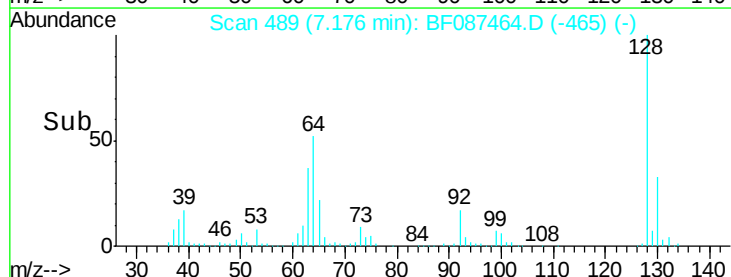
64 52.3 27.3 67.3

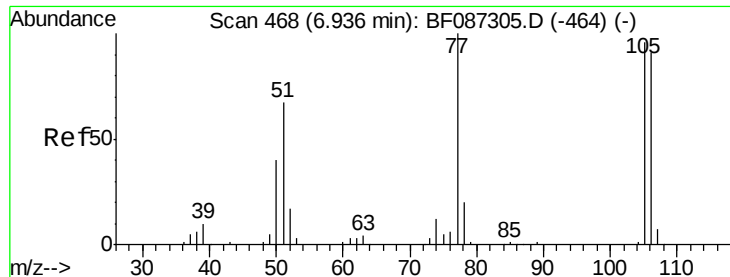


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 39.67 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

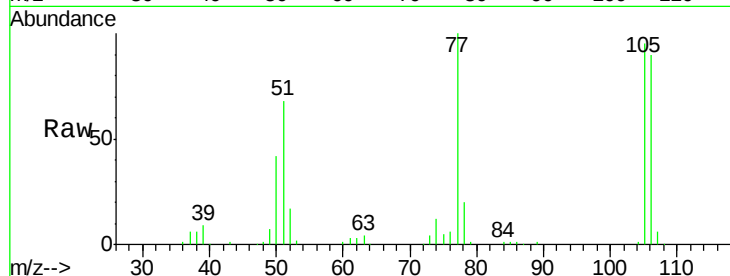
Tgt Ion: 77 Resp: 305775

Ion Ratio Lower Upper

77 100

105 94.7 72.7 112.7

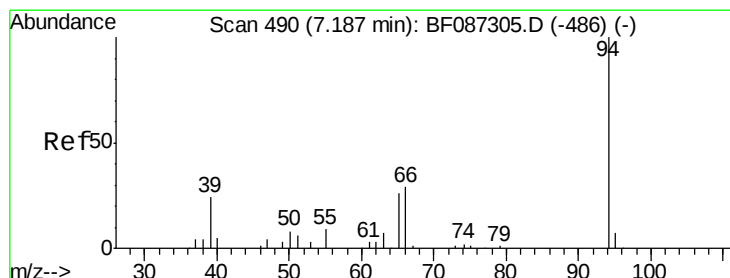
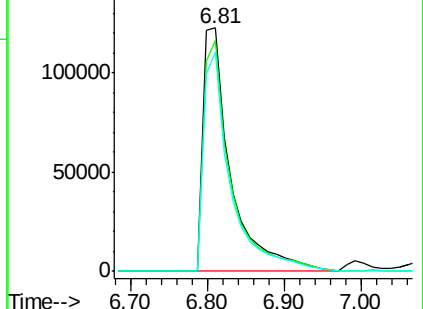
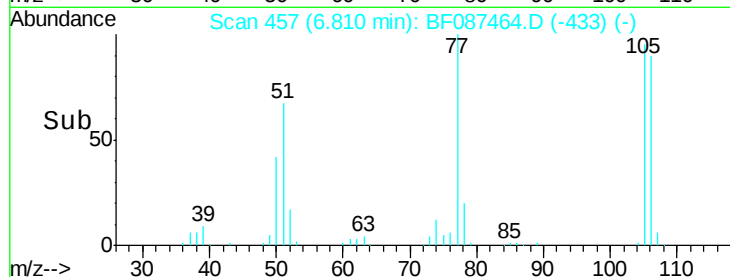
106 90.1 70.8 110.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 43.41 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

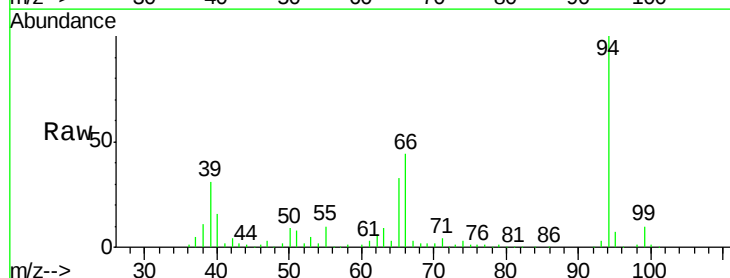
Tgt Ion: 94 Resp: 661848

Ion Ratio Lower Upper

94 100

65 32.7 7.2 47.2

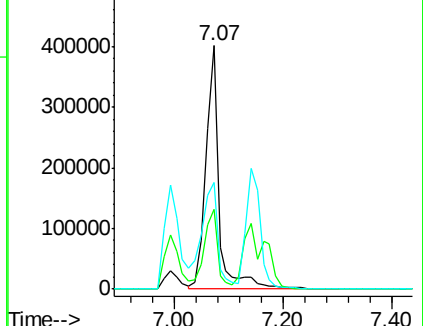
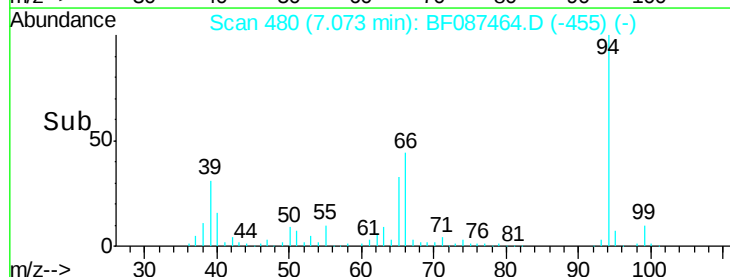
66 43.8 14.9 54.9

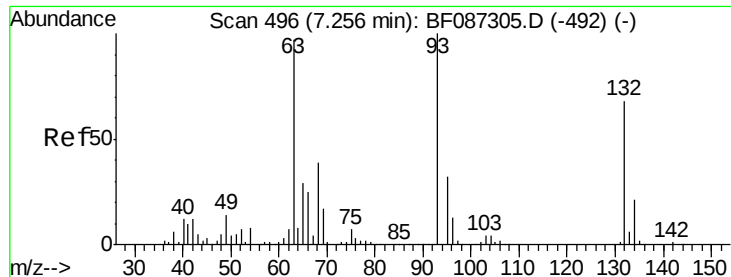


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

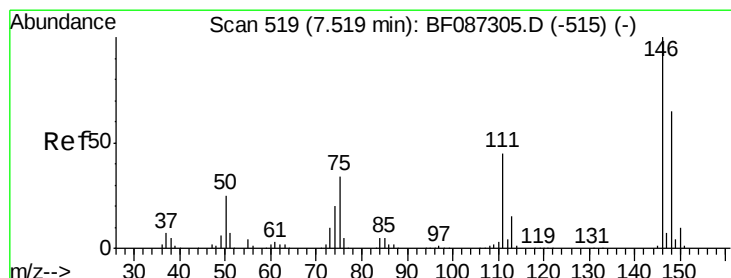
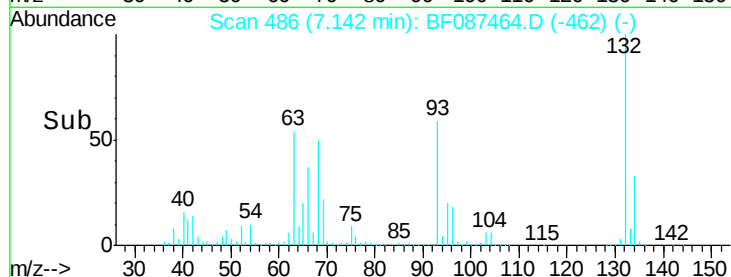
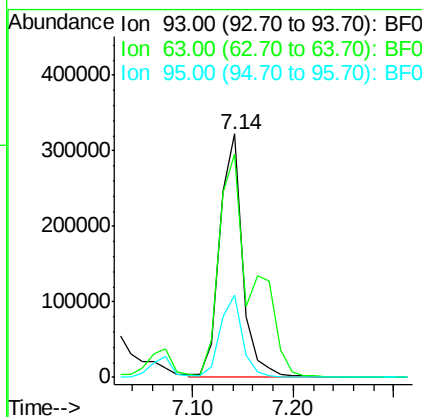
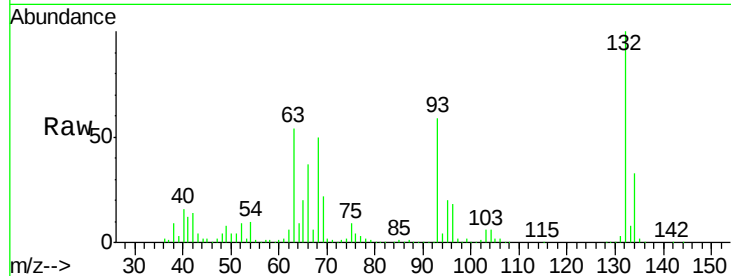




#11  
bis(2-Chloroethyl)ether  
Concen: 40.70 ng  
RT: 7.14 min Scan# 486  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

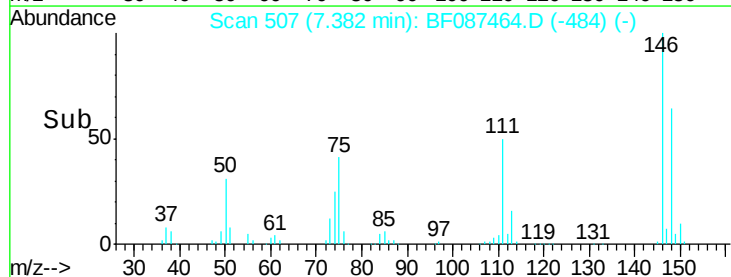
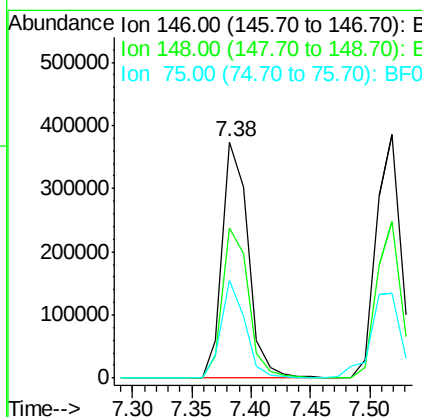
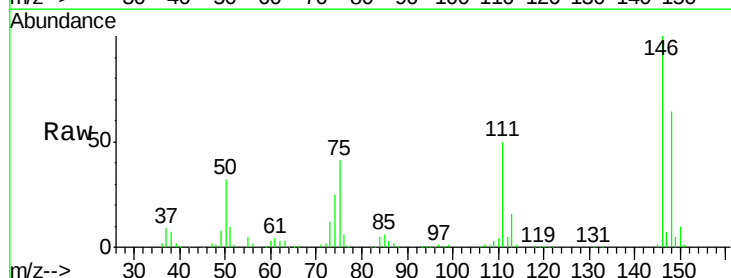
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

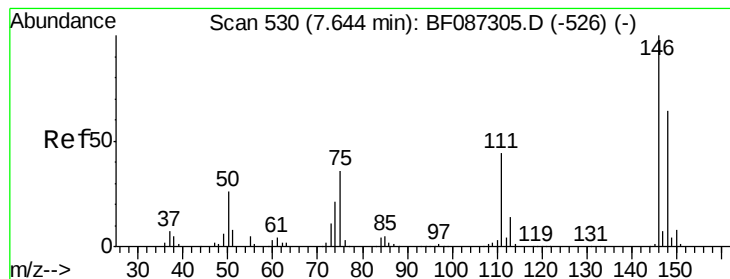
Tgt Ion: 93 Resp: 502262  
Ion Ratio Lower Upper  
93 100  
63 91.8 58.0 98.0  
95 33.7 11.9 51.9



#12  
1,3-Dichlorobenzene  
Concen: 40.32 ng  
RT: 7.38 min Scan# 507  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion: 146 Resp: 566678  
Ion Ratio Lower Upper  
146 100  
148 63.8 52.4 78.6  
75 41.5 22.8 34.2#





#13

1,4-Dichlorobenzene

Concen: 41.03 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

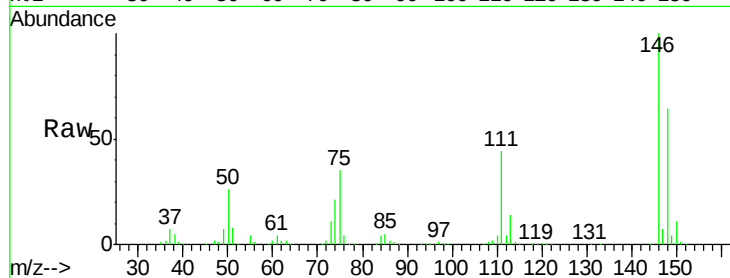
Tgt Ion:146 Resp: 592000

Ion Ratio Lower Upper

146 100

148 64.1 52.2 78.4

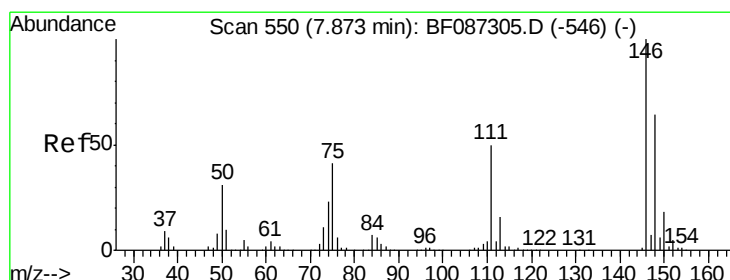
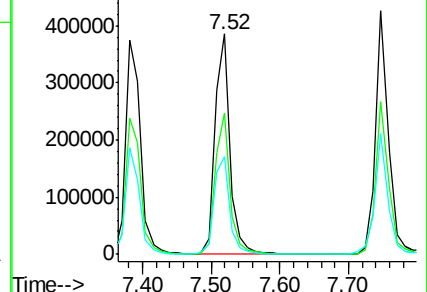
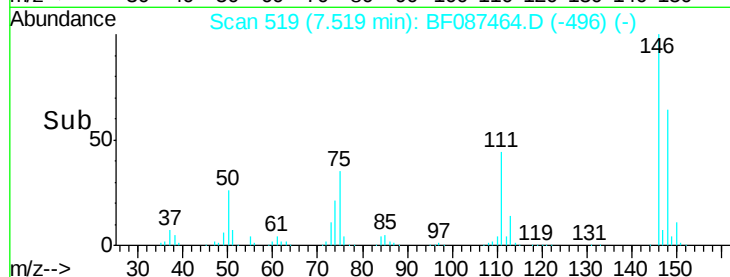
111 44.1 30.7 46.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.91 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

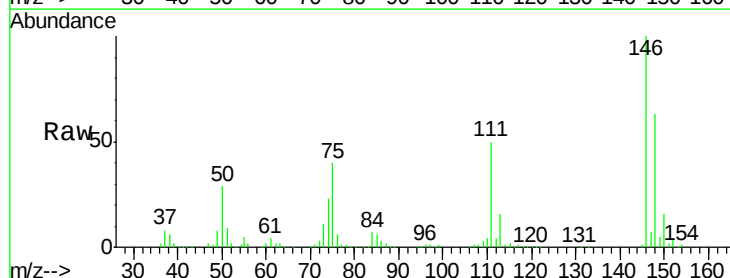
Tgt Ion:146 Resp: 546039

Ion Ratio Lower Upper

146 100

148 62.7 51.0 76.6

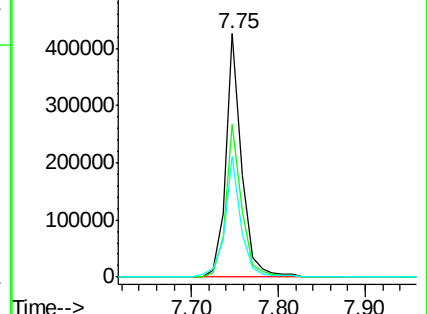
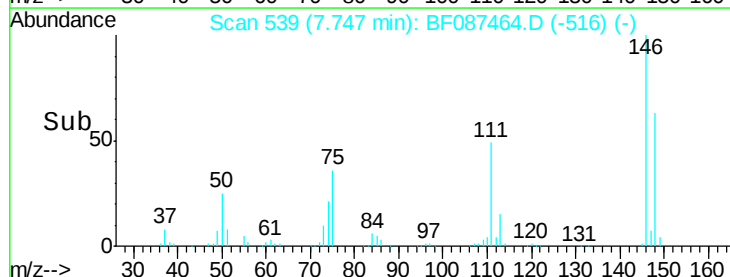
111 49.5 36.2 54.4

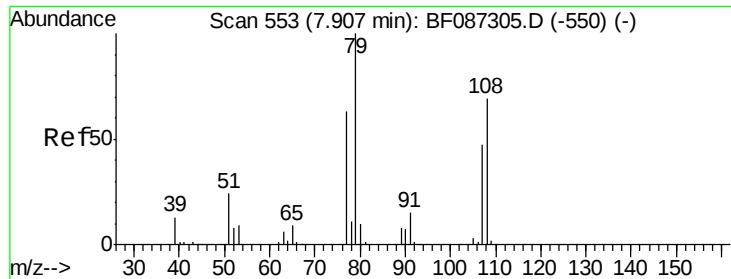


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.86 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

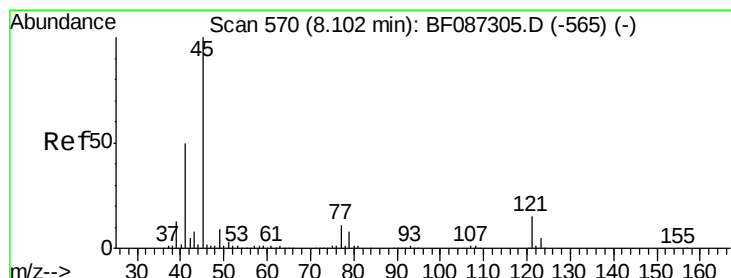
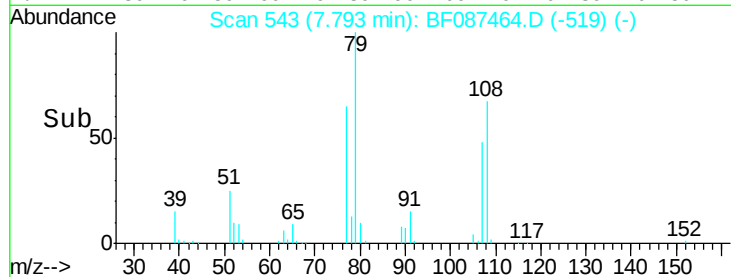
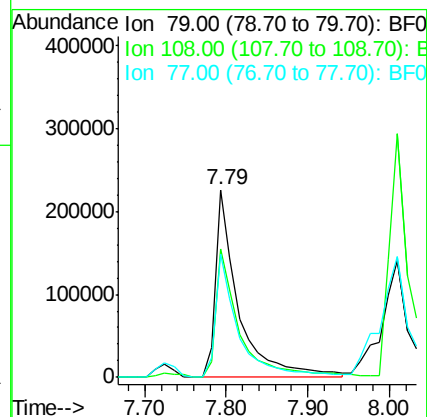
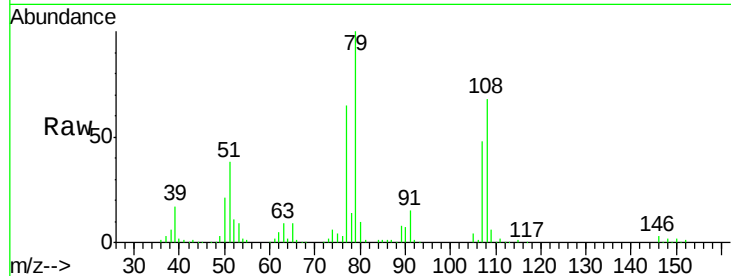
Tgt Ion: 79 Resp: 446491

Ion Ratio Lower Upper

79 100

108 68.3 68.4 102.6#

77 65.4 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.34 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

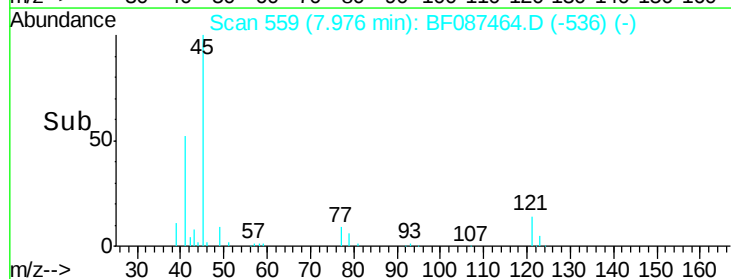
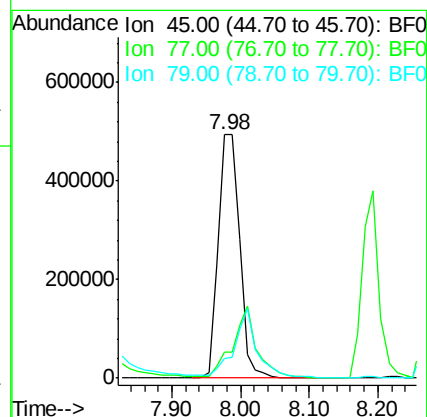
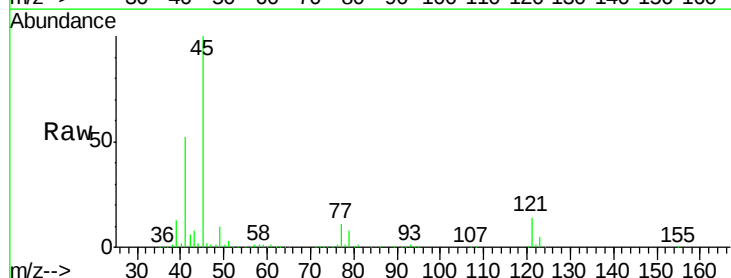
Tgt Ion: 45 Resp: 1092432

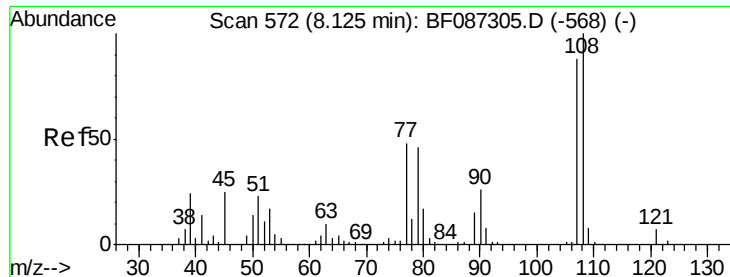
Ion Ratio Lower Upper

45 100

77 10.6 0.0 36.4

79 8.0 0.0 33.4





#17

2-Methylphenol

Concen: 42.76 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 441635

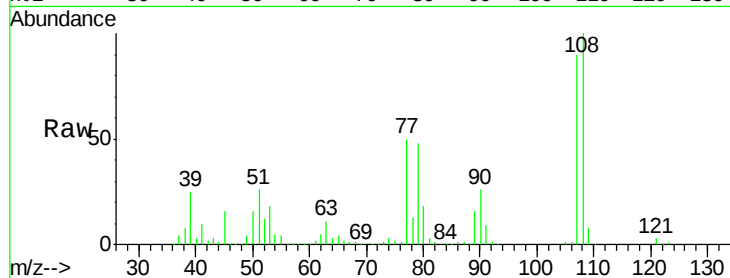
Ion Ratio Lower Upper

107 100

108 111.6 93.7 140.5

77 55.4 33.4 50.0#

79 53.4 34.3 51.5#



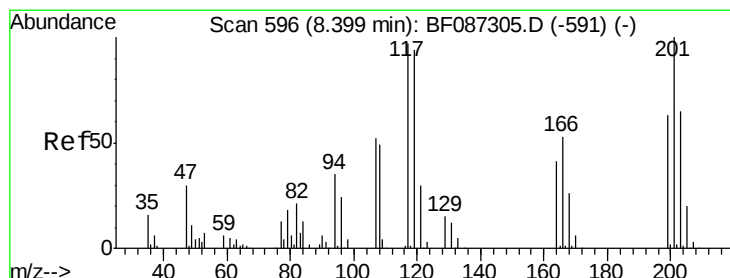
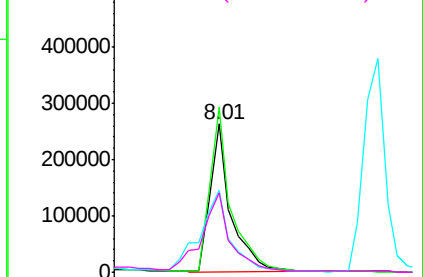
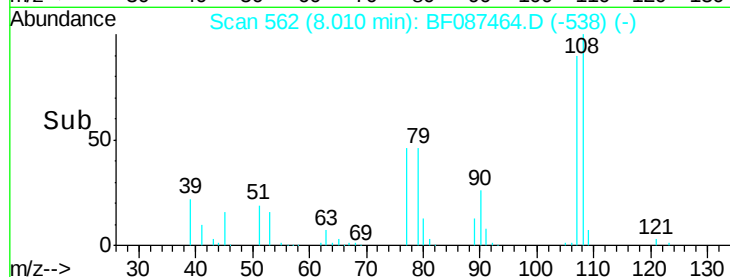
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 41.24 ng

RT: 8.26 min Scan# 584

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

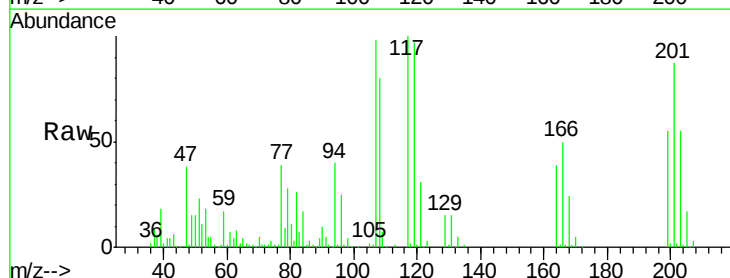
Tgt Ion:117 Resp: 222018

Ion Ratio Lower Upper

117 100

119 97.2 76.5 114.7

201 87.2 63.0 94.6

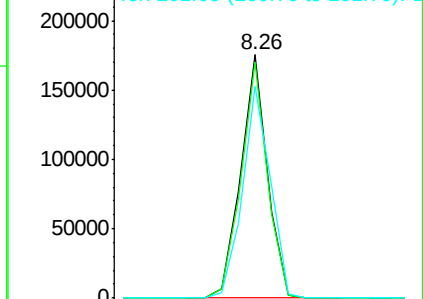
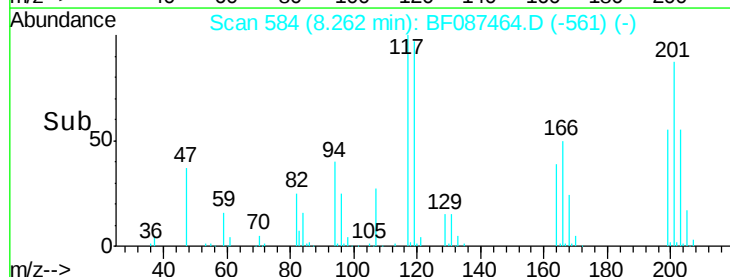


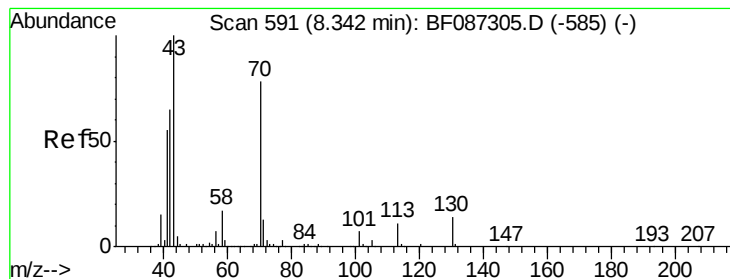
Abundance

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





#19

n-Nitroso-di-n-propylamine

Concen: 42.39 ng

RT: 8.23 min Scan# 581

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 441451

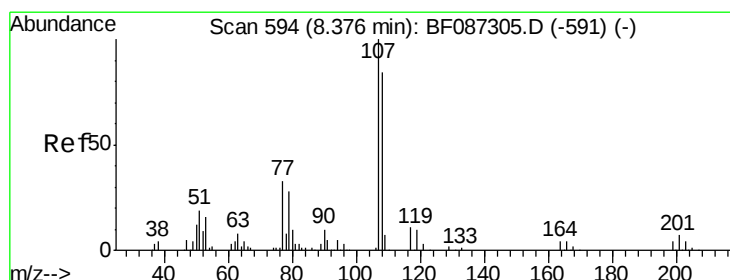
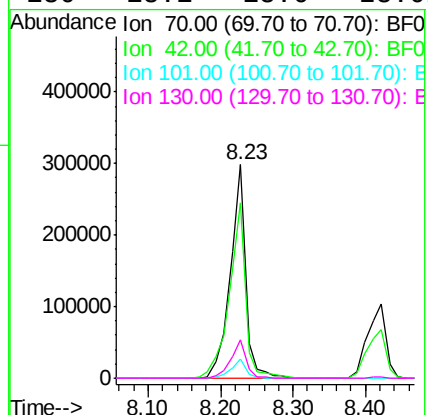
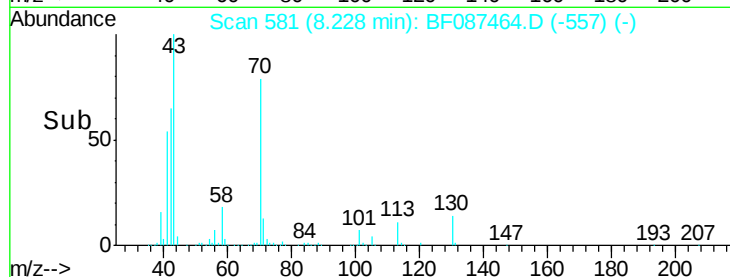
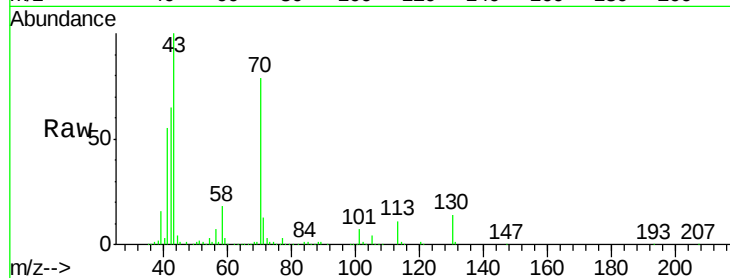
Ion Ratio Lower Upper

70 100

42 81.9 43.1 64.7#

101 8.9 8.1 12.1

130 18.1 18.6 28.0#



#20

3+4-Methylphenols

Concen: 45.73 ng

RT: 8.27 min Scan# 585

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Tgt Ion: 107 Resp: 570881

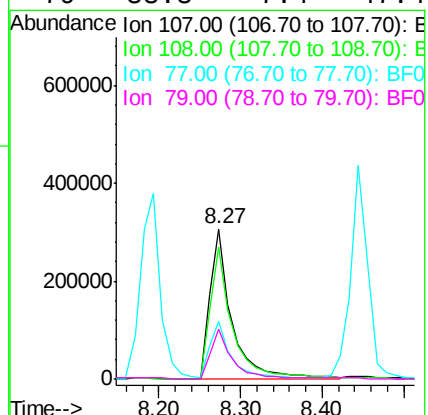
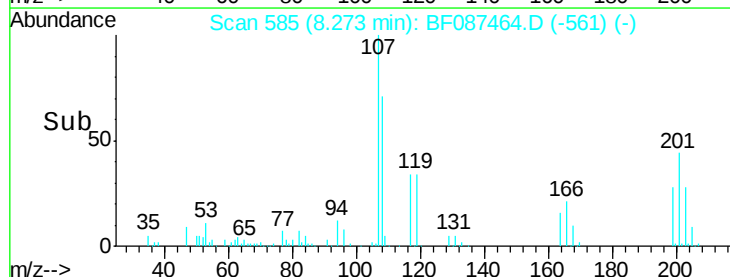
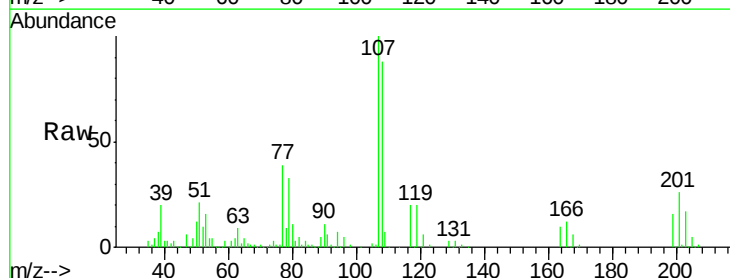
Ion Ratio Lower Upper

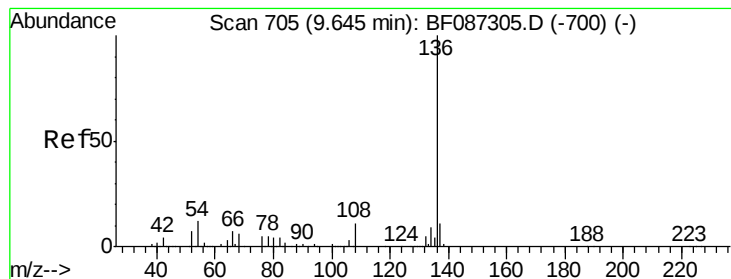
107 100

108 88.3 68.5 108.5

77 38.6 101.6 141.6#

79 33.3 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

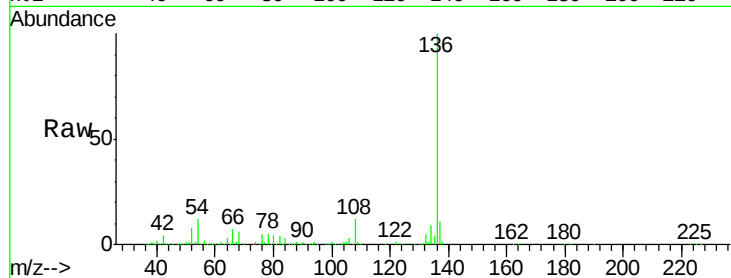
Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 773651 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 12.4  | 5.0   | 7.4#   |
| 68       | 5.9   | 4.4   | 6.6    |



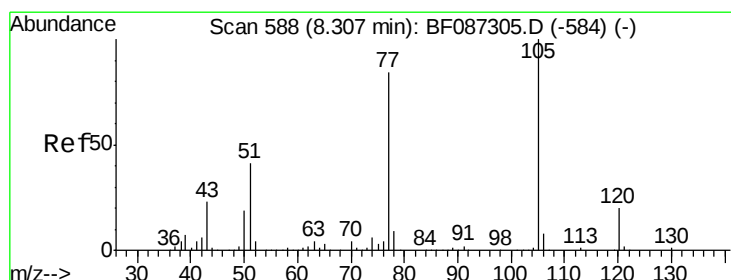
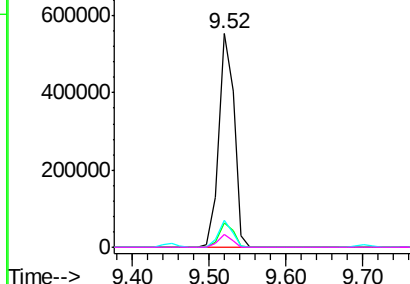
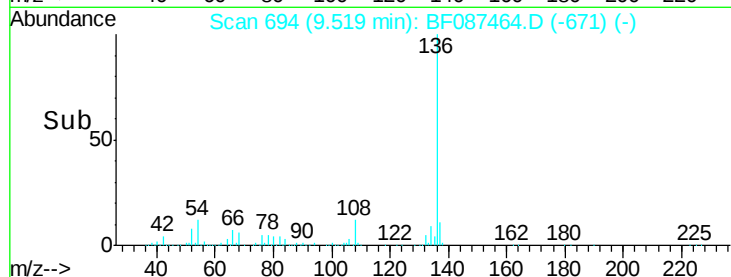
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 41.77 ng

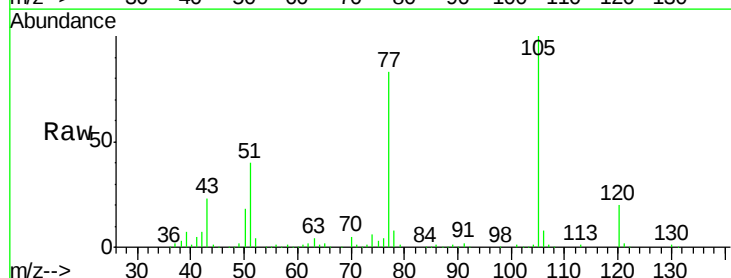
RT: 8.19 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 772051 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.8   | 4.8   | 7.2#   |
| 51       | 40.1  | 32.6  | 49.0   |
| 120      | 20.3  | 16.5  | 24.7   |



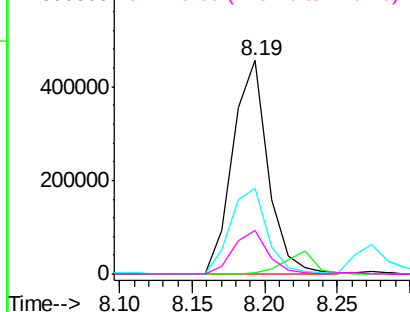
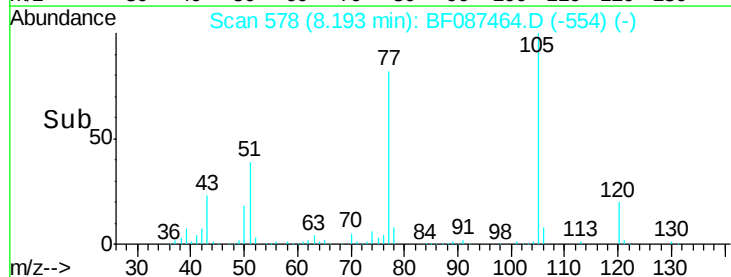
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

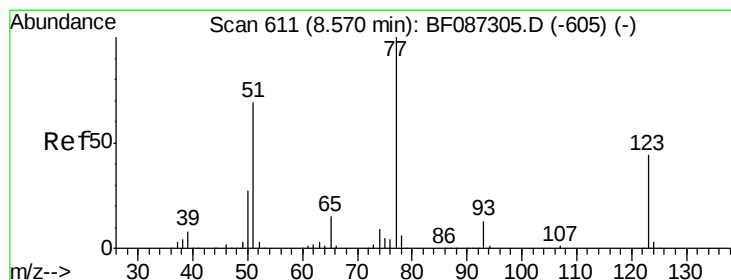
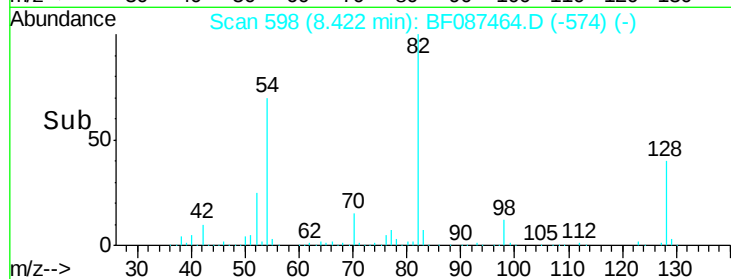
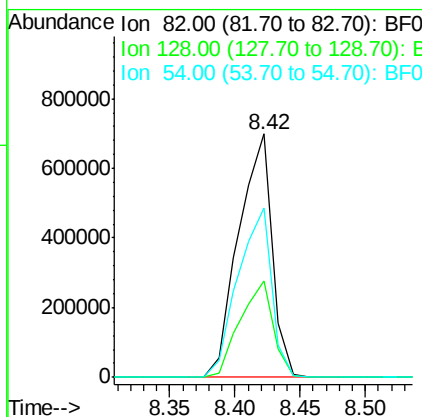
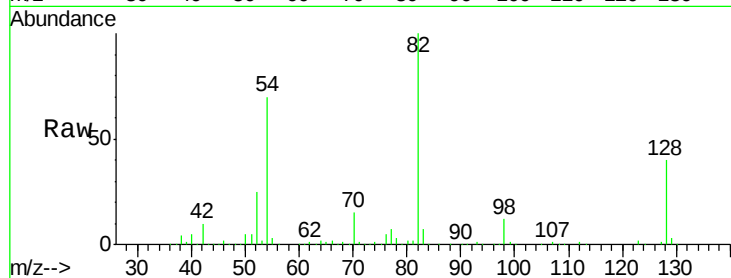




#23  
 Nitrobenzene-d5  
 Concen: 81.23 ng  
 RT: 8.42 min Scan# 598  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

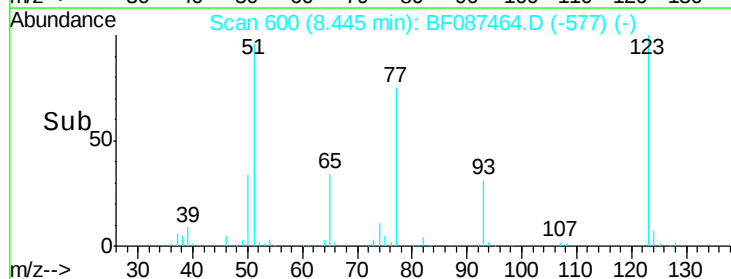
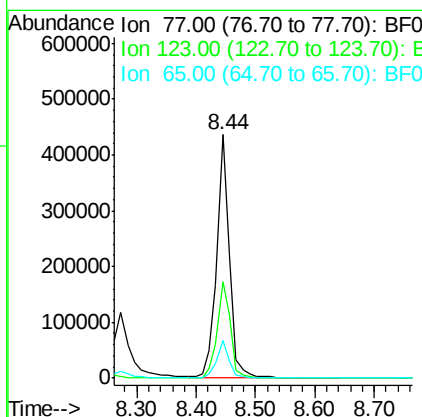
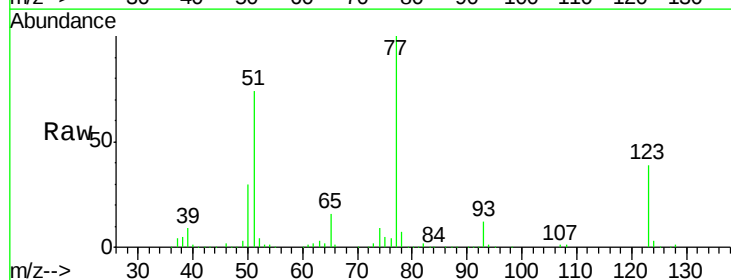
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

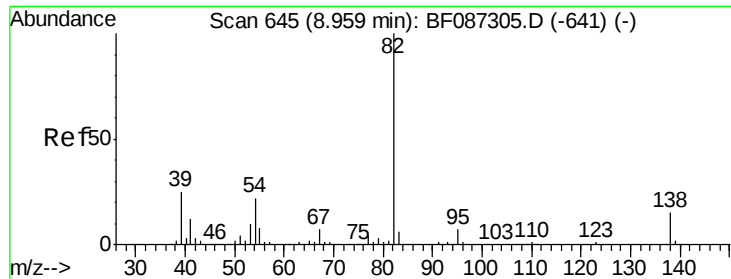
Tgt Ion: 82 Resp: 1246903  
 Ion Ratio Lower Upper  
 82 100  
 128 39.6 40.6 61.0#  
 54 69.6 38.1 57.1#



#24  
 Nitrobenzene  
 Concen: 39.78 ng  
 RT: 8.44 min Scan# 600  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion: 77 Resp: 644667  
 Ion Ratio Lower Upper  
 77 100  
 123 39.4 33.0 49.4  
 65 15.7 10.8 16.2





#25

Isophorone

Concen: 41.29 ng

RT: 8.84 min Scan# 635

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

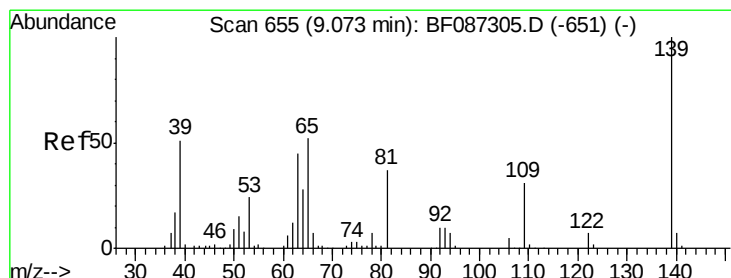
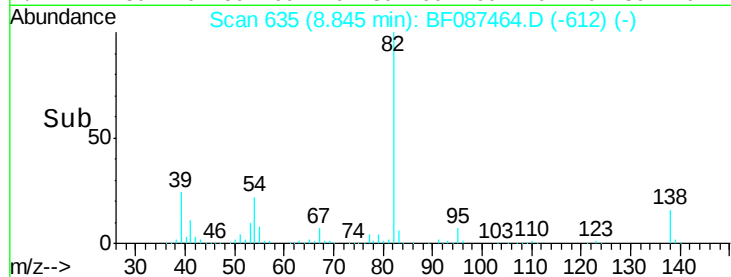
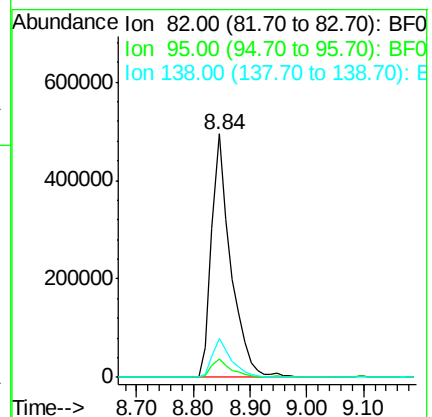
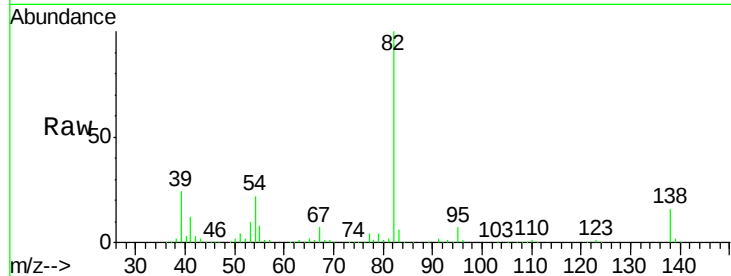
Tgt Ion: 82 Resp: 1136830

Ion Ratio Lower Upper

82 100

95 7.5 5.1 7.7

138 15.8 12.4 18.6



#26

2-Nitrophenol

Concen: 42.74 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

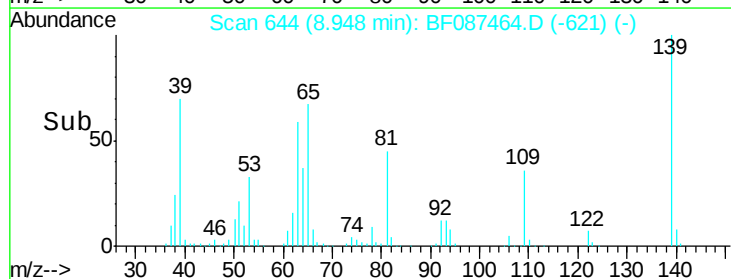
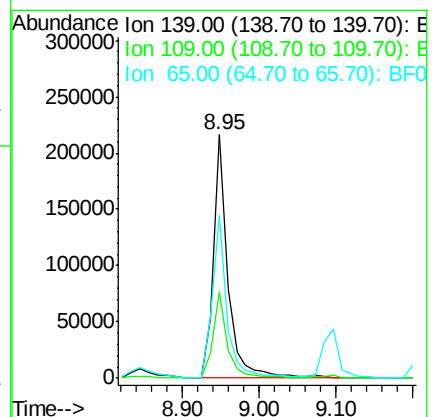
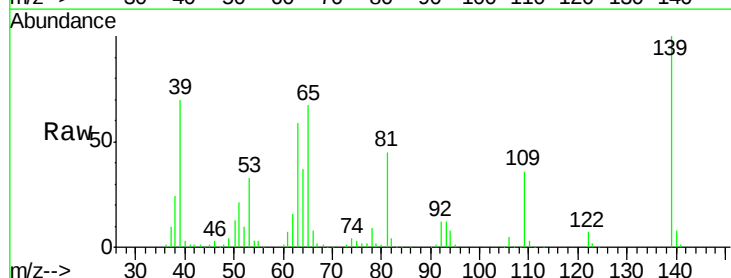
Tgt Ion: 139 Resp: 283082

Ion Ratio Lower Upper

139 100

109 35.5 19.5 29.3#

65 67.2 37.5 56.3#

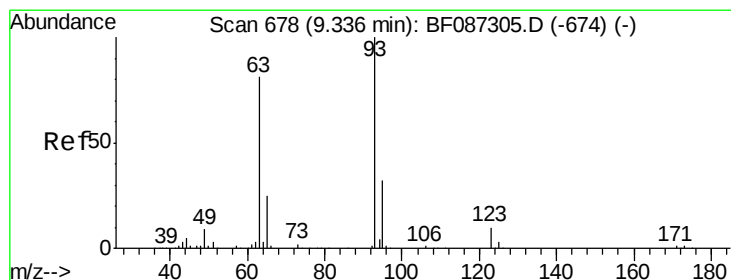
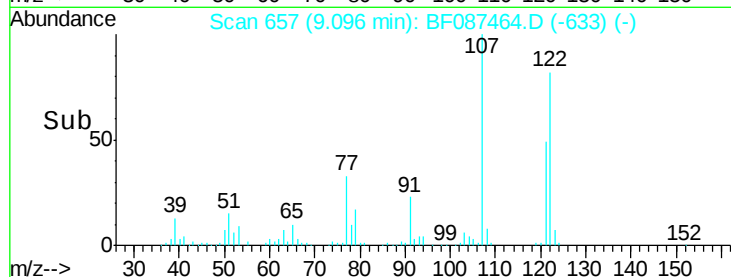
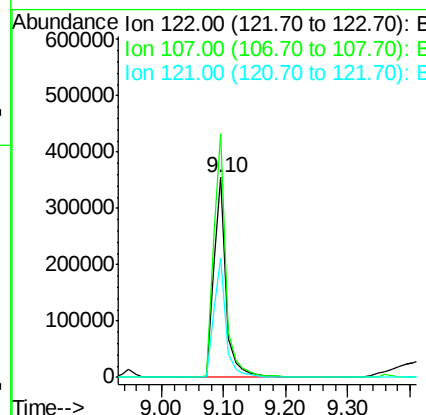
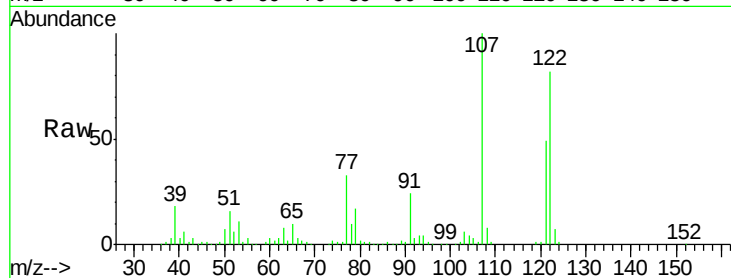




#27  
 2,4-Dimethylphenol  
 Concen: 41.61 ng  
 RT: 9.10 min Scan# 657  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

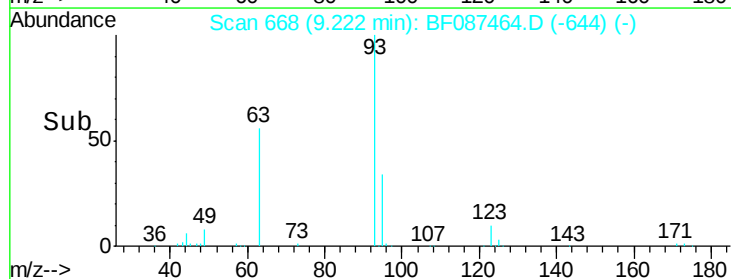
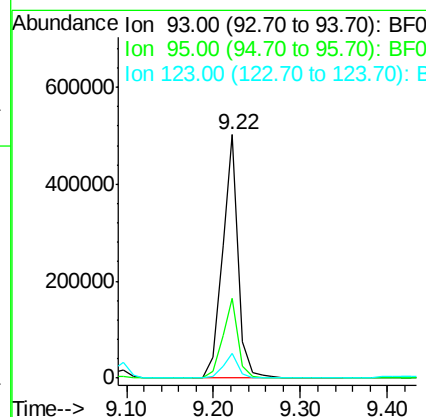
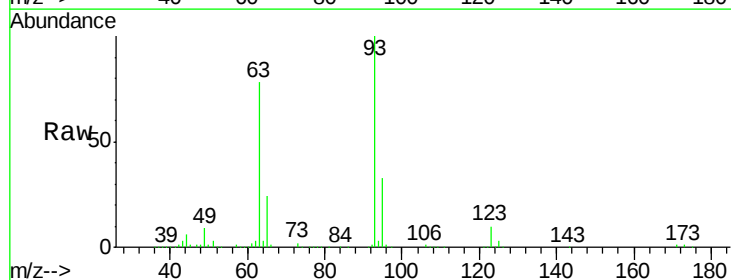
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

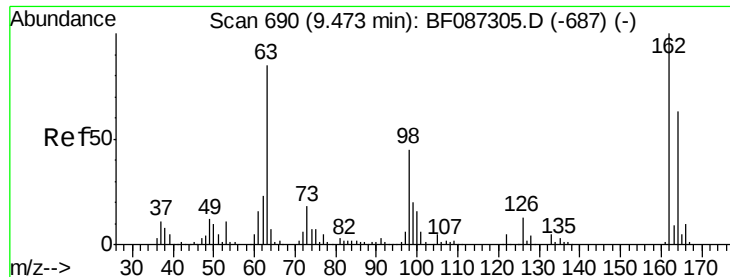
Tgt Ion: 122 Resp: 478488  
 Ion Ratio Lower Upper  
 122 100  
 107 122.0 82.0 123.0  
 121 60.1 46.1 69.1



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.68 ng  
 RT: 9.22 min Scan# 668  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion: 93 Resp: 630842  
 Ion Ratio Lower Upper  
 93 100  
 95 32.7 26.0 39.0  
 123 10.1 9.5 14.3

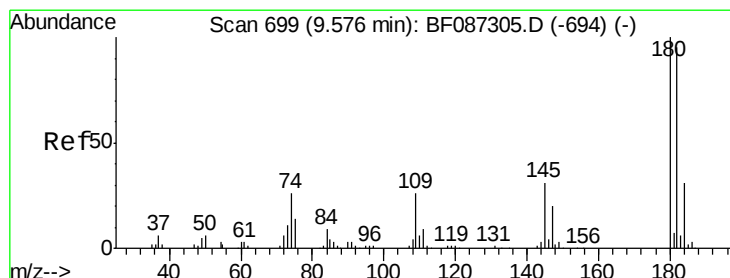
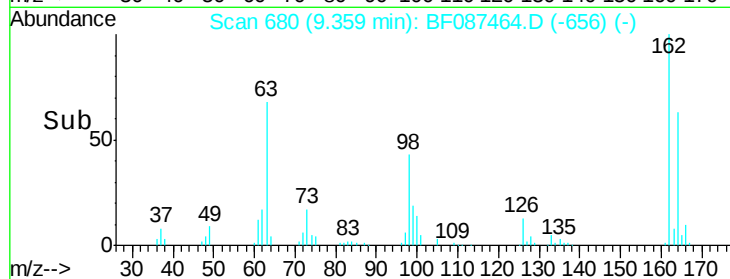
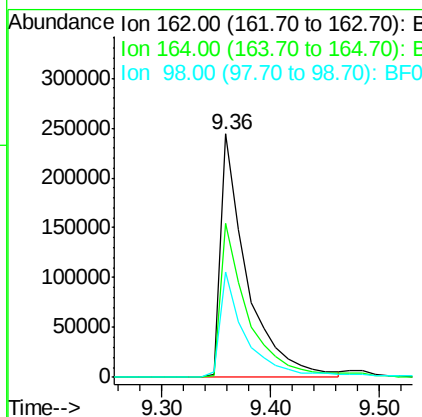
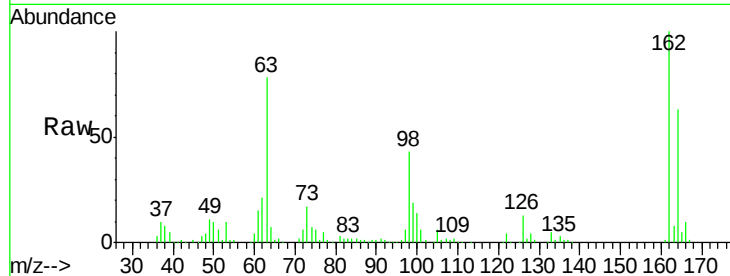




#29  
 2,4-Dichlorophenol  
 Concen: 39.74 ng  
 RT: 9.36 min Scan# 680  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

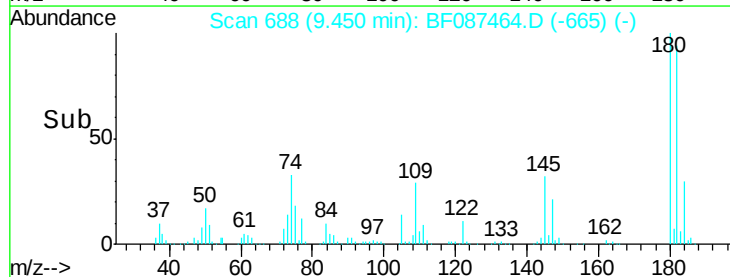
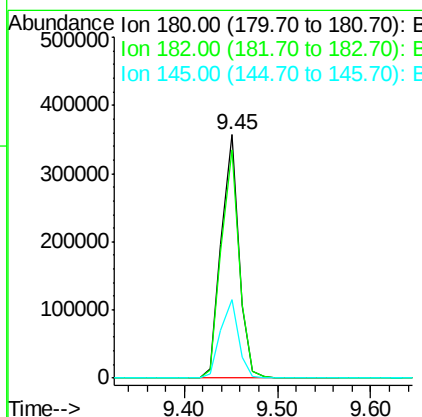
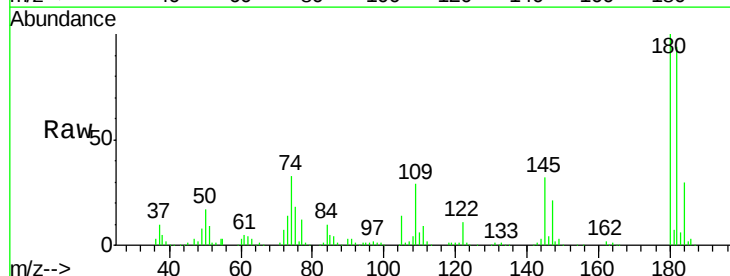
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

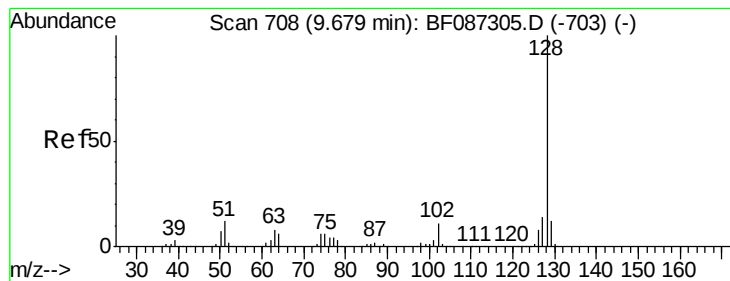
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.0  | 42.2  | 82.2  |
| 98      | 43.4  | 19.0  | 59.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.65 ng  
 RT: 9.45 min Scan# 688  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.9  | 78.0  | 117.0 |
| 145     | 32.4  | 24.2  | 36.2  |





#31

Naphthalene

Concen: 39.91 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

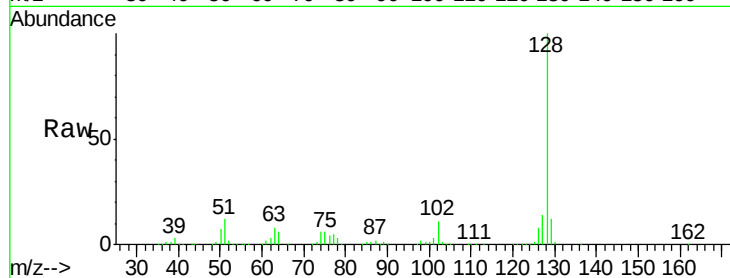
Tgt Ion:128 Resp: 1547150

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

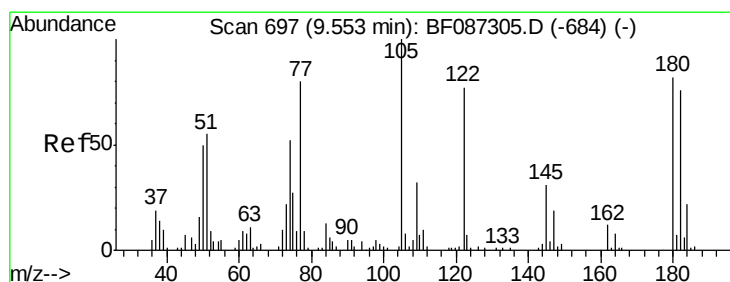
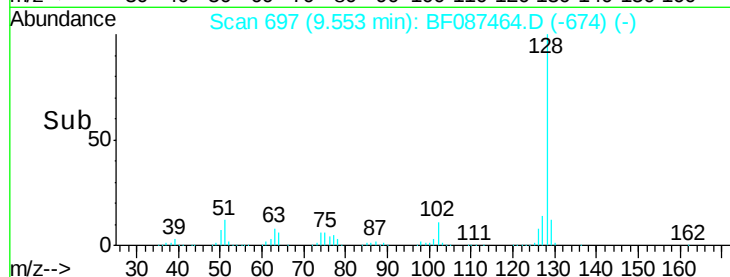
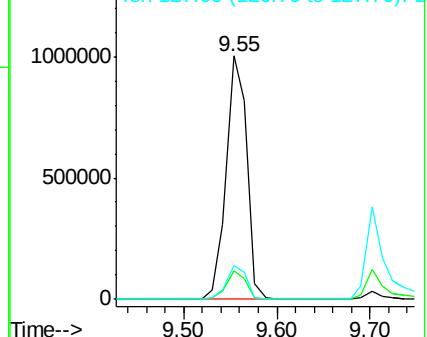
127 13.6 10.8 16.2



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



#32

Benzoic acid

Concen: 42.85 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

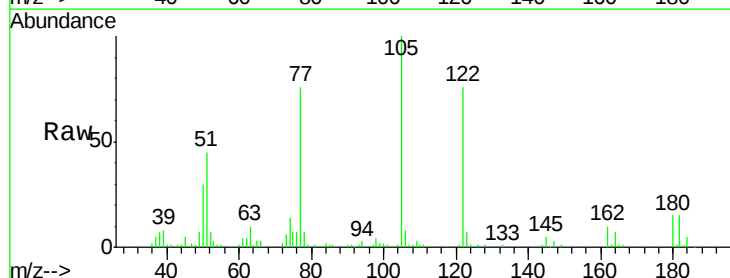
Tgt Ion:122 Resp: 249475

Ion Ratio Lower Upper

122 100

105 131.9 92.6 132.6

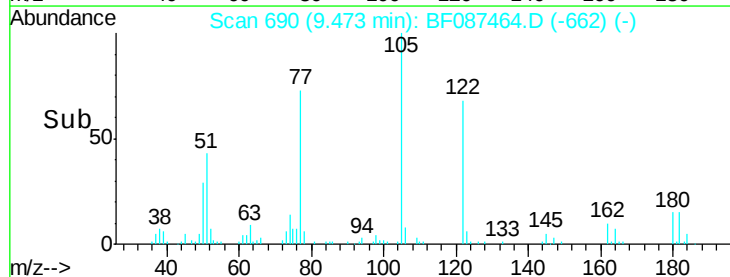
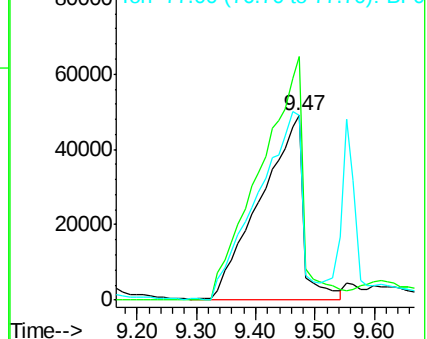
77 100.2 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

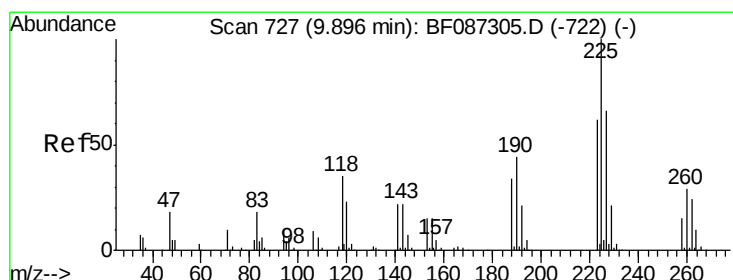
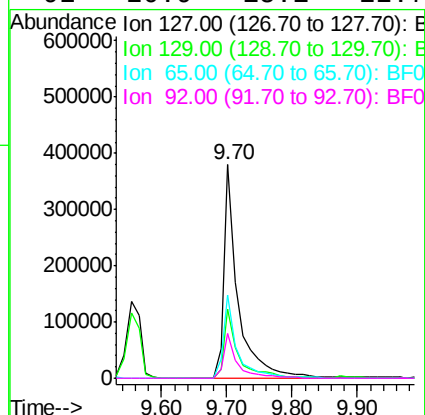
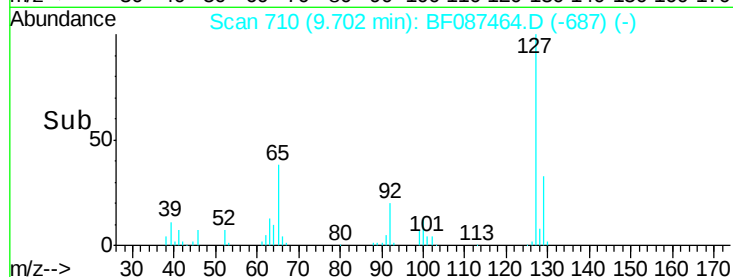
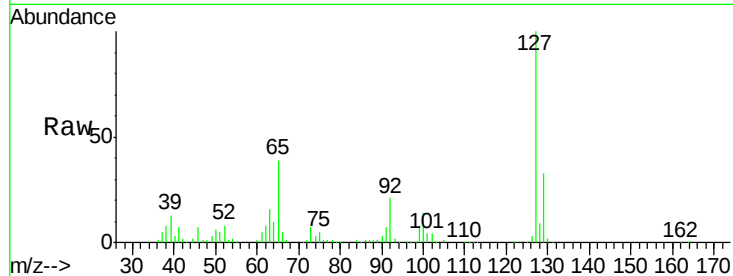




#33  
4-Chloroaniline  
Concen: 40.59 ng  
RT: 9.70 min Scan# 710  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

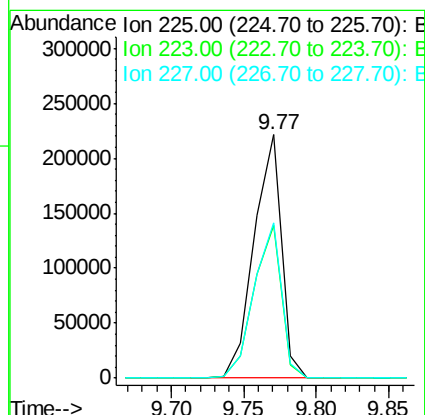
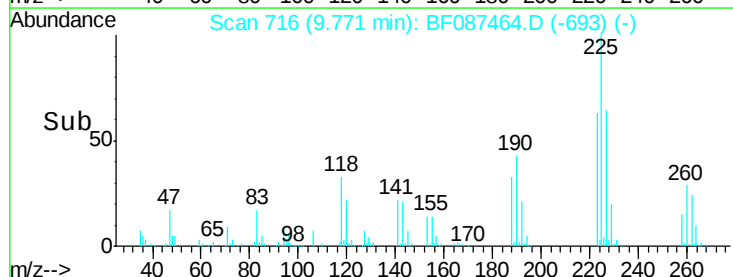
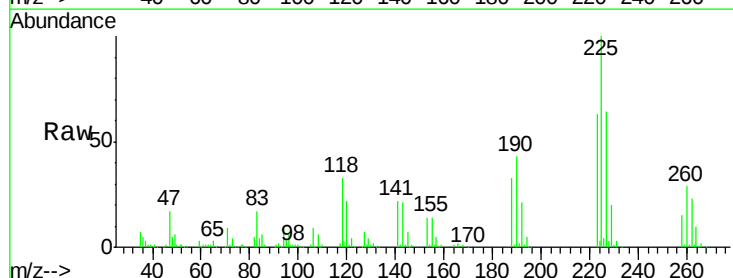
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

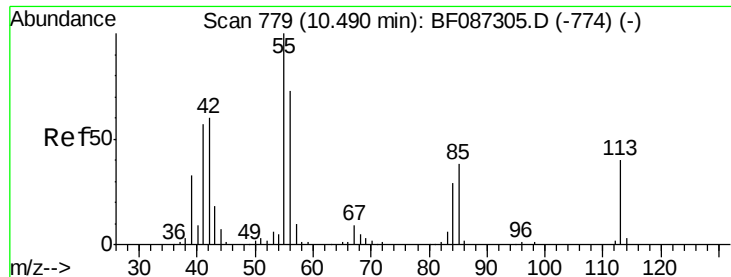
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 579613 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 26.2  | 39.4   |
| 65       | 38.9  | 23.0  | 34.4   |
| 92       | 20.9  | 15.1  | 22.7   |



#34  
Hexachlorobutadiene  
Concen: 40.32 ng  
RT: 9.77 min Scan# 716  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 290750 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.6  | 51.5  | 77.3   |
| 227      | 63.6  | 52.2  | 78.2   |

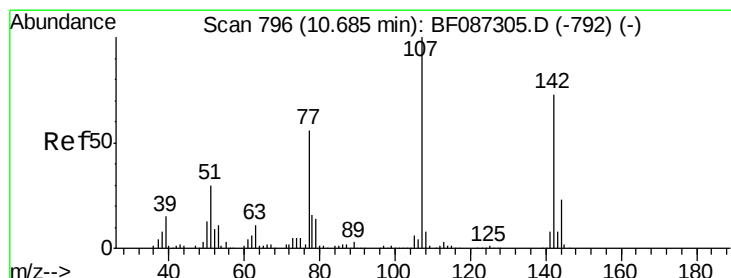
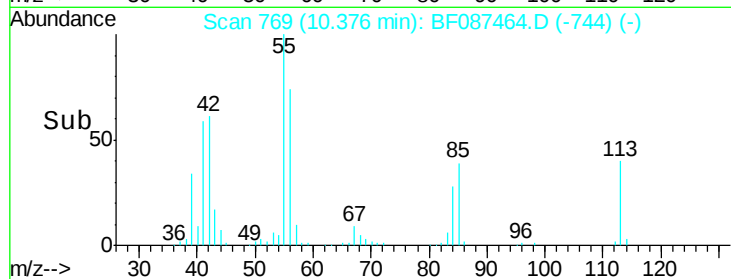
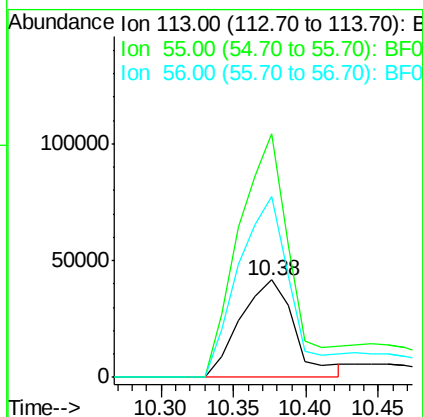
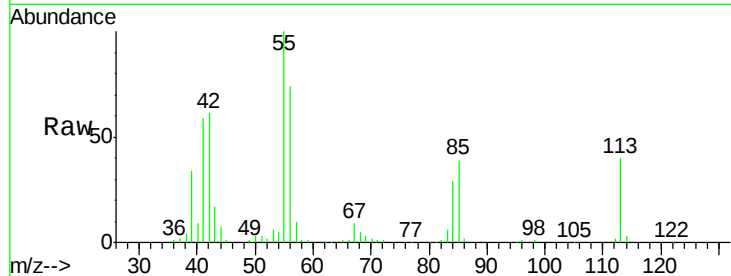




#35  
 Caprolactam  
 Concen: 35.84 ng  
 RT: 10.38 min Scan# 769  
 Delta R.T. -0.01 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

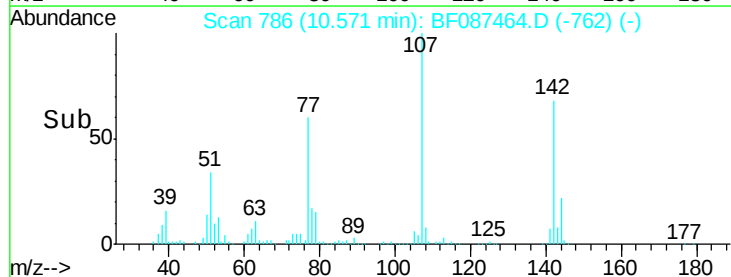
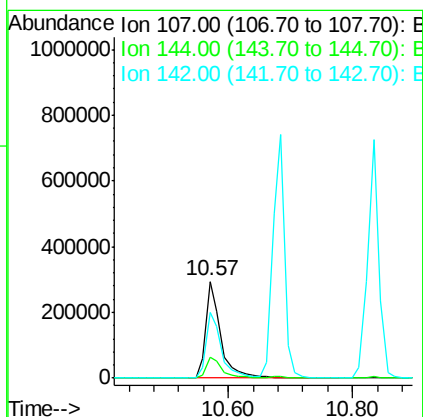
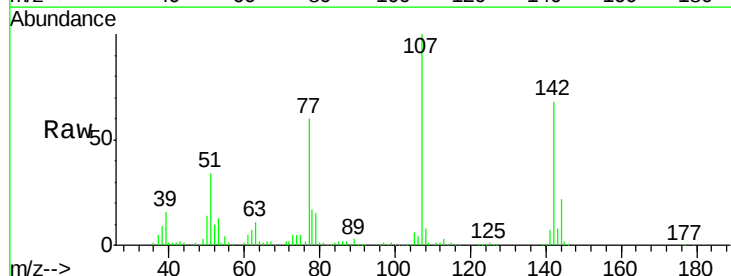
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

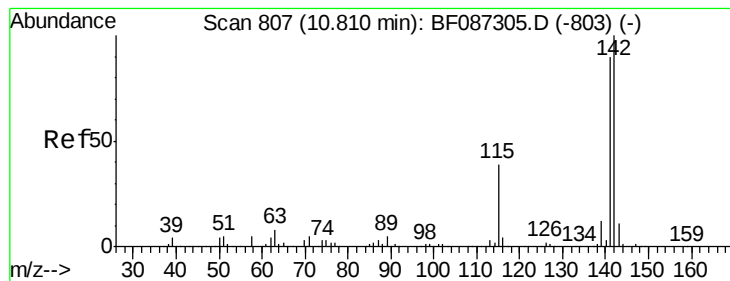
Tgt Ion:113 Resp: 108391  
 Ion Ratio Lower Upper  
 113 100  
 55 249.5 162.0 202.0#  
 56 185.2 115.3 155.3#



#36  
 4-Chloro-3-methylphenol  
 Concen: 42.37 ng  
 RT: 10.57 min Scan# 786  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:107 Resp: 496333  
 Ion Ratio Lower Upper  
 107 100  
 144 22.1 20.7 31.1  
 142 68.1 63.2 94.8





#37

2-Methylnaphthalene

Concen: 40.00 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

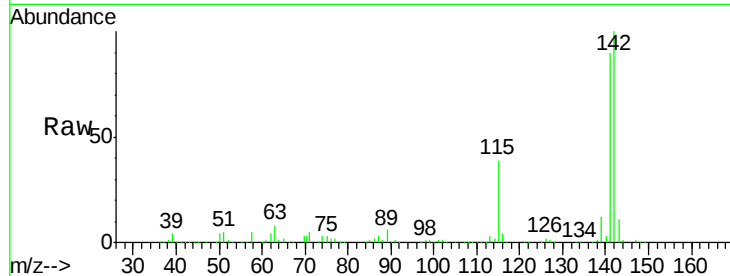
Tgt Ion:142 Resp: 968714

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6

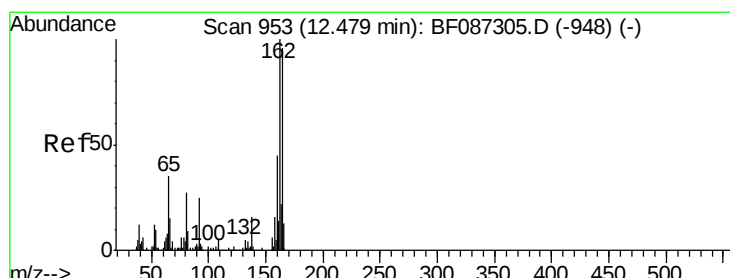
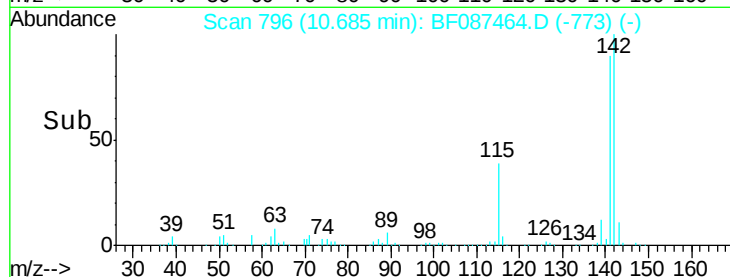
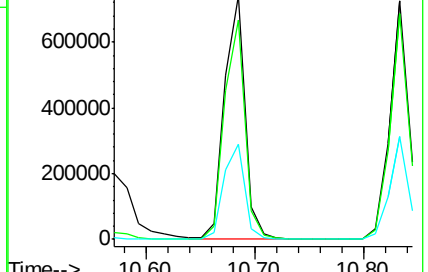
115 38.9 26.6 39.8



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: 12.35 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

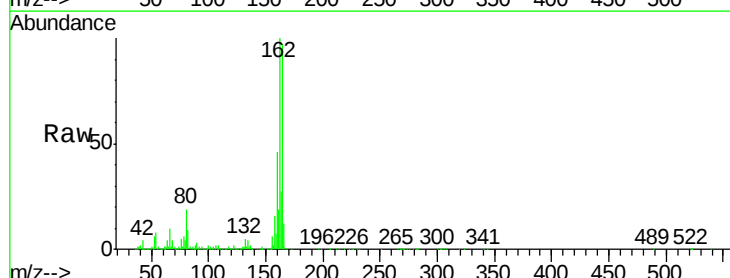
Tgt Ion:164 Resp: 363473

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

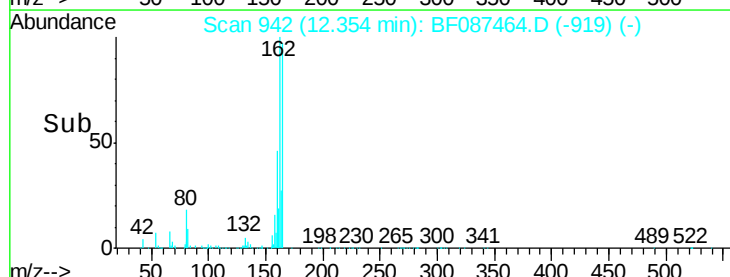
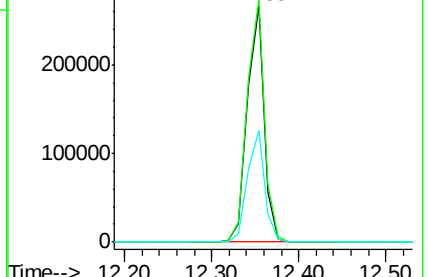
160 47.3 36.9 55.3



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

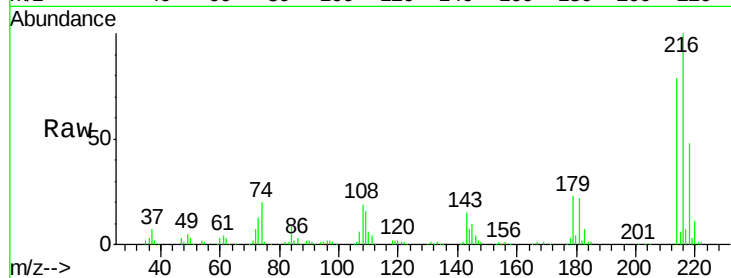




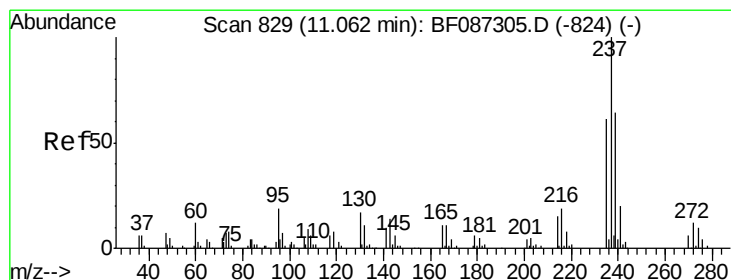
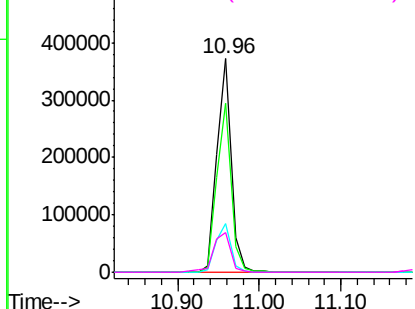
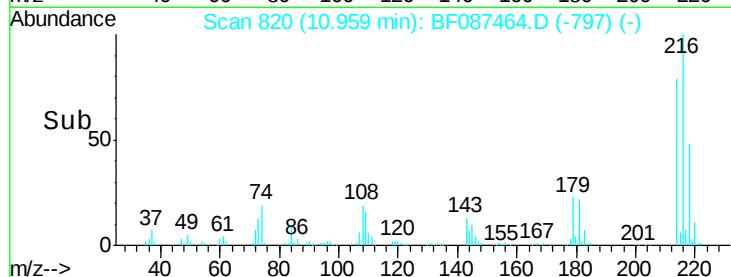
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 39.35 ng  
 RT: 10.96 min Scan# 820  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:216 Resp: 457868  
 Ion Ratio Lower Upper  
 216 100  
 214 79.0 62.6 93.8  
 179 23.7 18.2 27.4  
 108 22.7 17.5 26.3

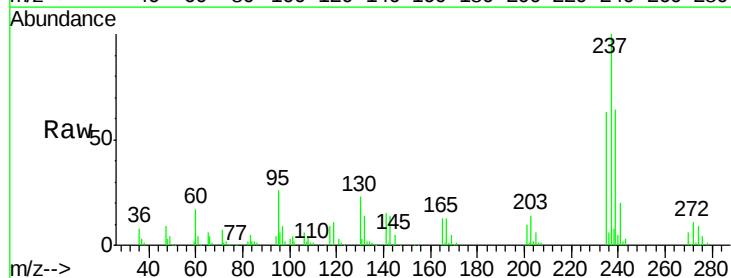


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

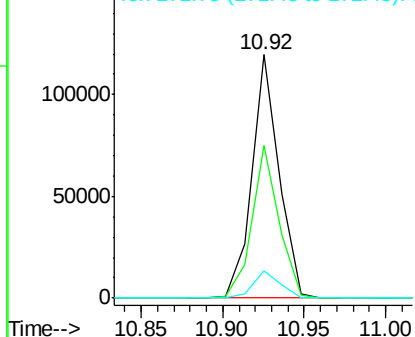
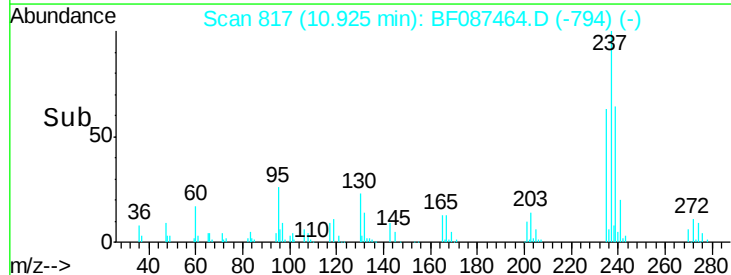


#40  
 Hexachlorocyclopentadiene  
 Concen: 34.72 ng  
 RT: 10.92 min Scan# 817  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:237 Resp: 137177  
 Ion Ratio Lower Upper  
 237 100  
 235 62.8 47.2 87.2  
 272 11.3 0.0 31.1



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E

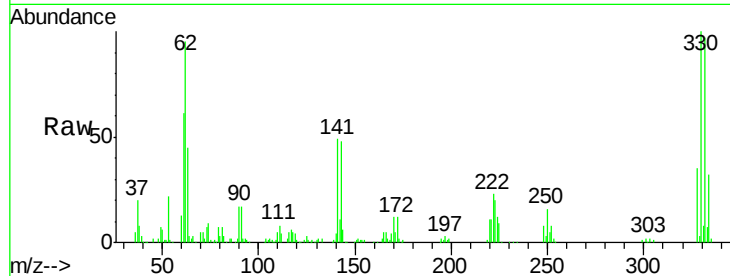




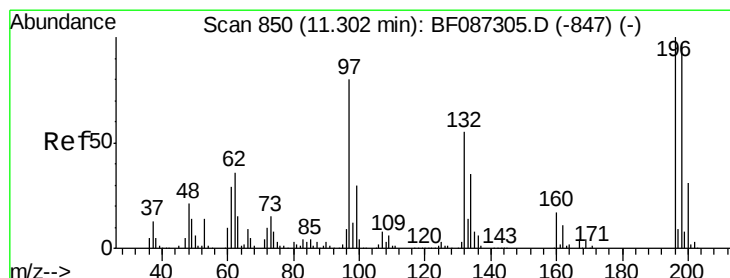
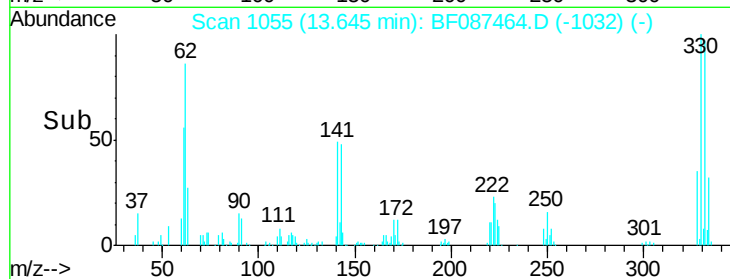
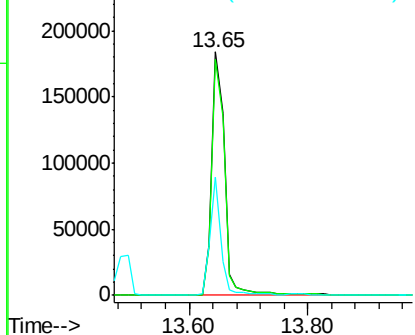
#41  
 2,4,6-Tribromophenol  
 Concen: 80.16 ng  
 RT: 13.65 min Scan# 1055  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.2  | 79.0  | 118.4 |
| 141     | 41.4  | 31.2  | 46.8  |

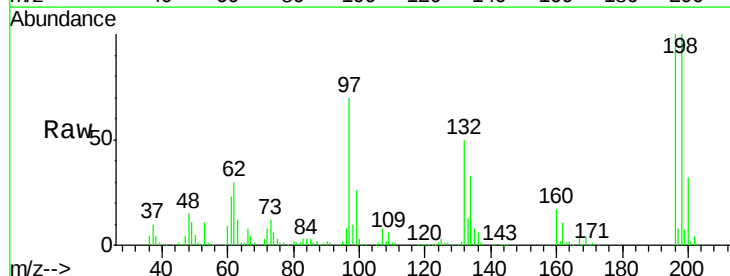


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

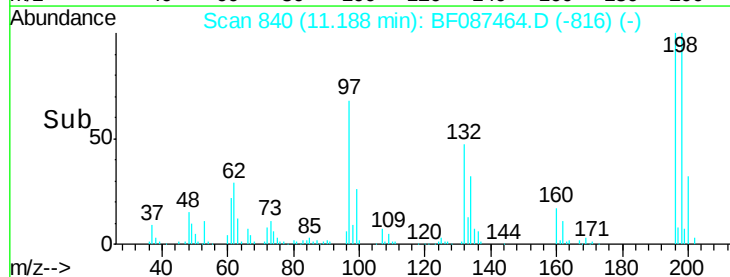
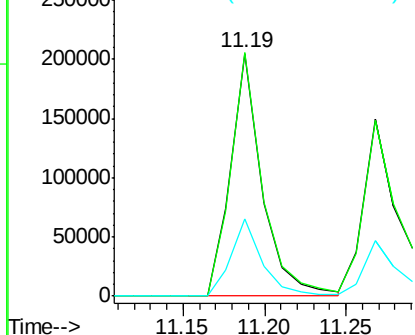


#42  
 2,4,6-Trichlorophenol  
 Concen: 41.00 ng  
 RT: 11.19 min Scan# 840  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 100.4 | 74.7  | 112.1 |
| 200     | 32.1  | 23.8  | 35.6  |



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

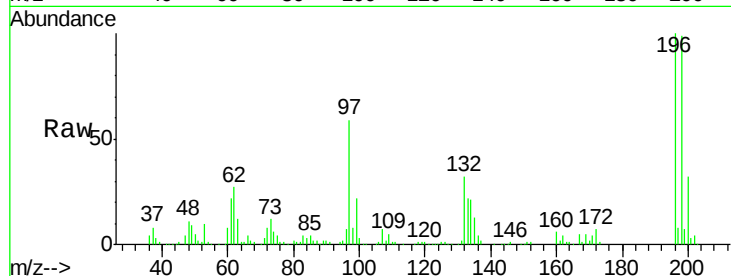




#43  
 2,4,5-Trichlorophenol  
 Concen: 38.74 ng  
 RT: 11.27 min Scan# 847  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 99.3  | 77.5  | 116.3 |
| 97      | 59.2  | 34.8  | 52.2  |
| 132     | 31.6  | 23.0  | 34.4  |



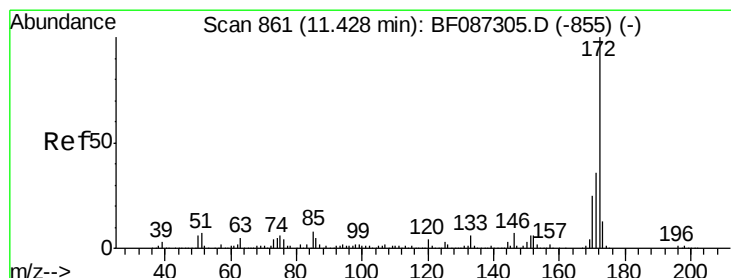
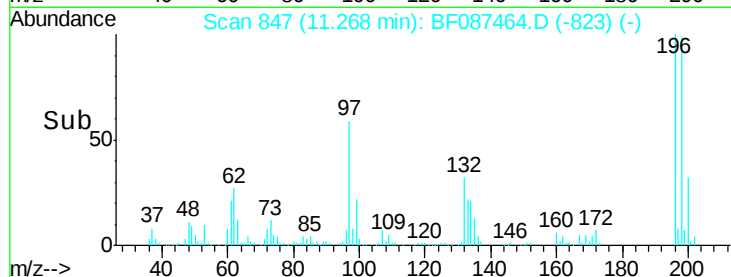
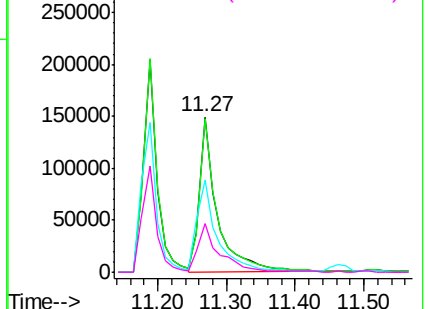
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

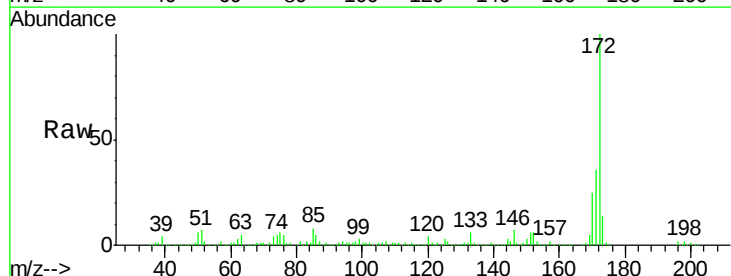
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 76.88 ng  
 RT: 11.30 min Scan# 850  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.0  | 43.6  |
| 170     | 24.6  | 19.8  | 29.8  |

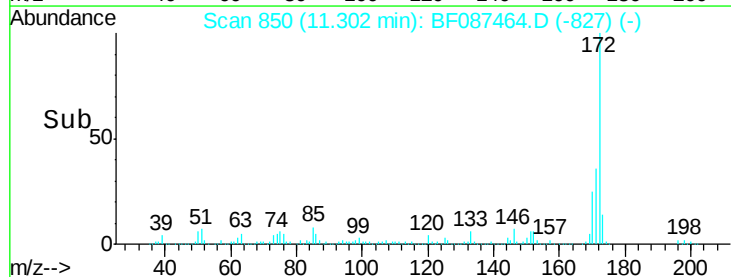
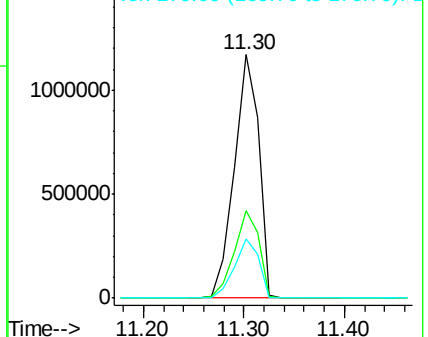


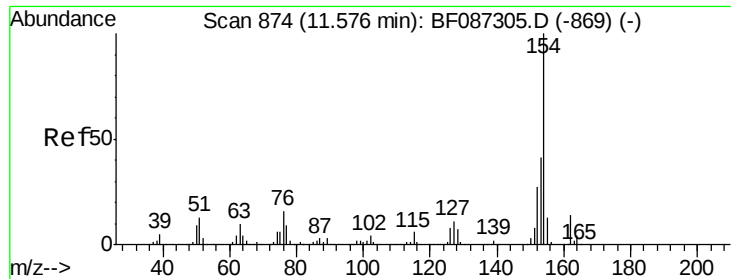
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

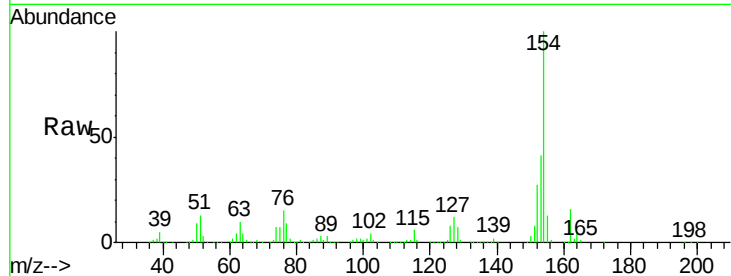




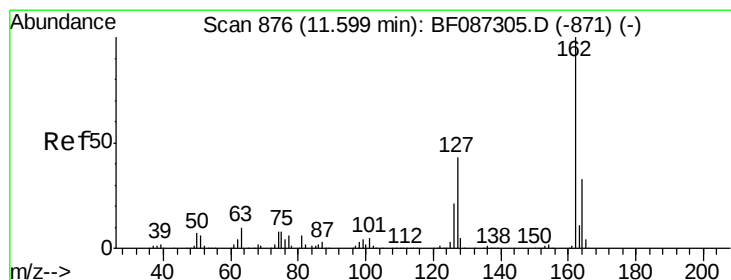
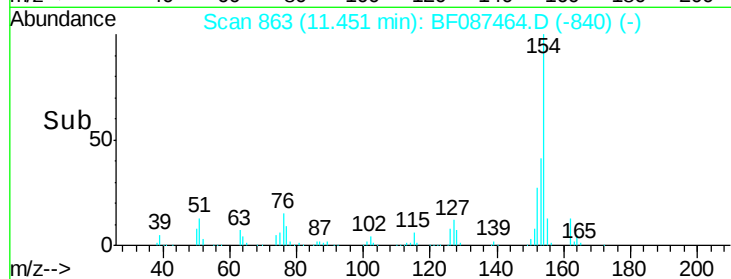
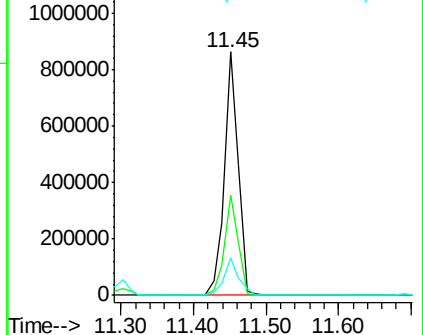
#45  
 1,1'-Biphenyl  
 Concen: 37.30 ng  
 RT: 11.45 min Scan# 863  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:154 Resp: 1141485  
 Ion Ratio Lower Upper  
 154 100  
 153 41.1 20.3 60.3  
 76 15.4 0.0 30.2

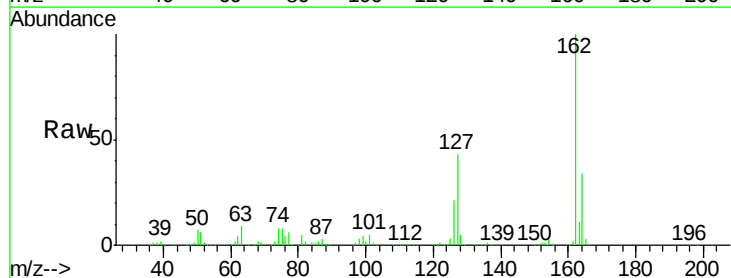


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF0

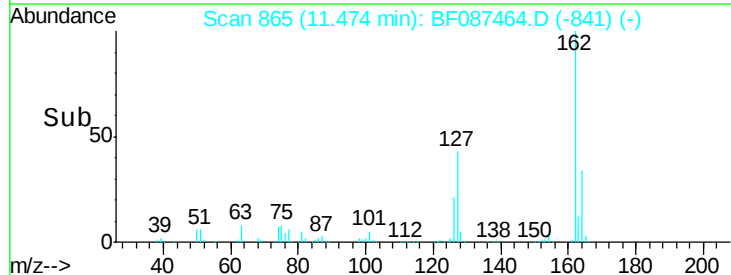
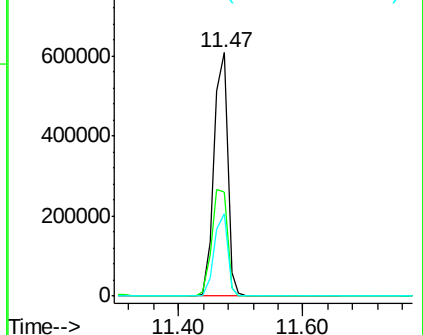


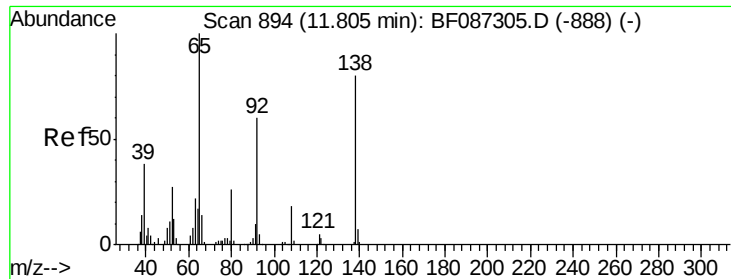
#46  
 2-Chloronaphthalene  
 Concen: 39.20 ng  
 RT: 11.47 min Scan# 865  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:162 Resp: 917855  
 Ion Ratio Lower Upper  
 162 100  
 127 42.7 31.8 47.6  
 164 33.8 27.0 40.6



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

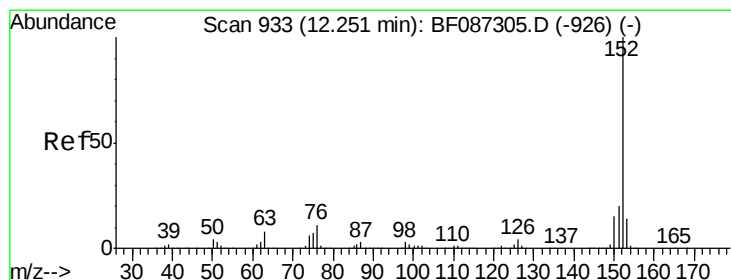
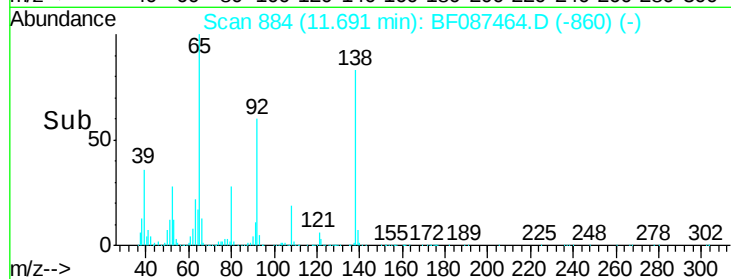
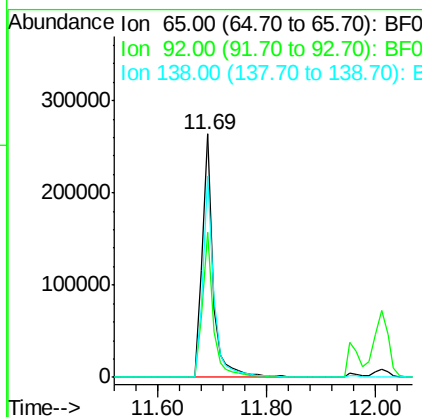
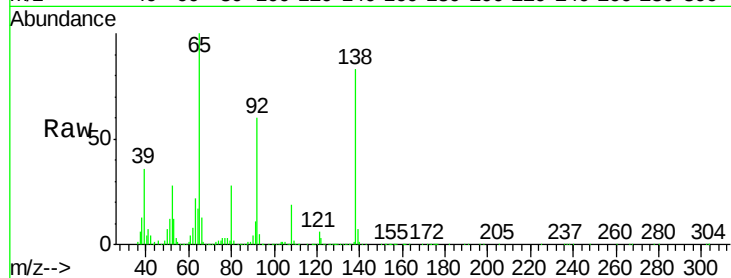




#47  
2-Nitroaniline  
Concen: 43.39 ng  
RT: 11.69 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

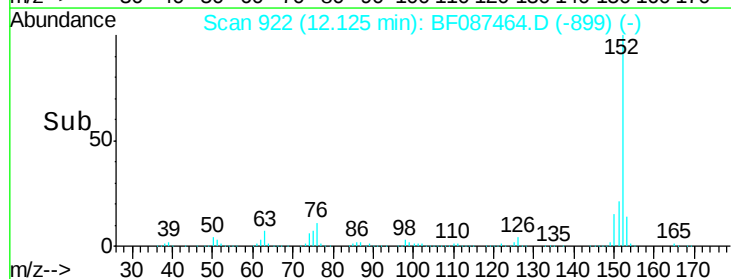
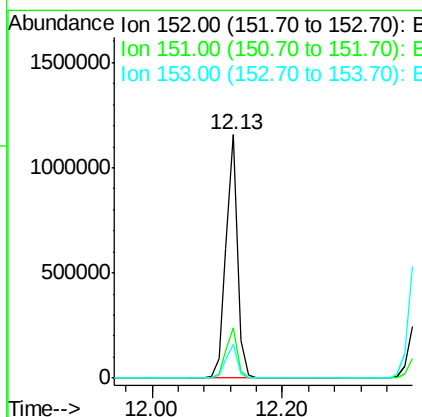
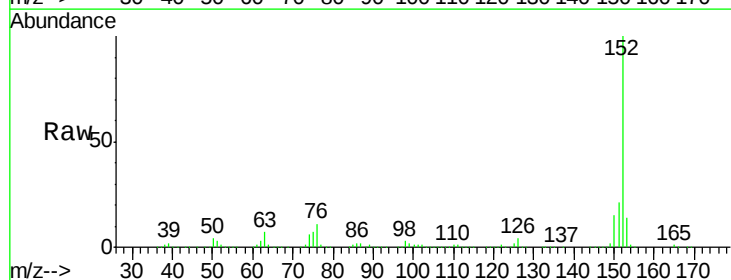
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

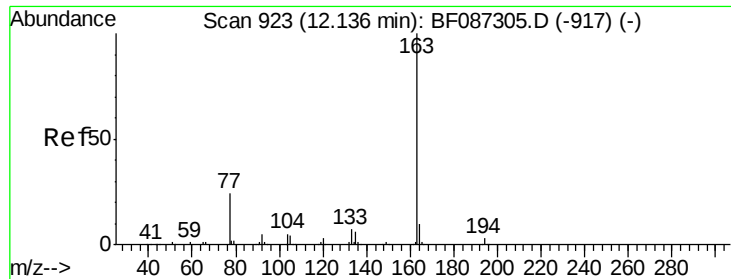
Tgt Ion: 65 Resp: 365976  
Ion Ratio Lower Upper  
65 100  
92 59.8 57.4 86.2  
138 82.6 90.1 135.1#



#48  
Acenaphthylene  
Concen: 38.63 ng  
RT: 12.13 min Scan# 922  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion: 152 Resp: 1431996  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.8 25.2  
153 14.1 10.9 16.3

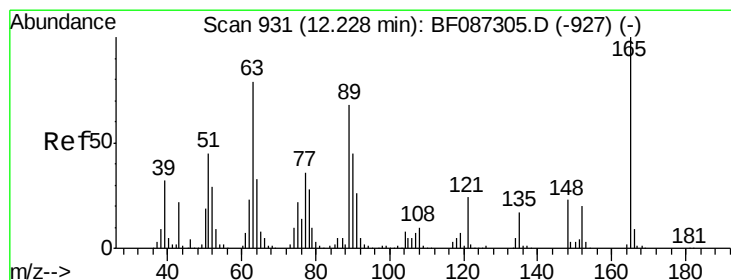
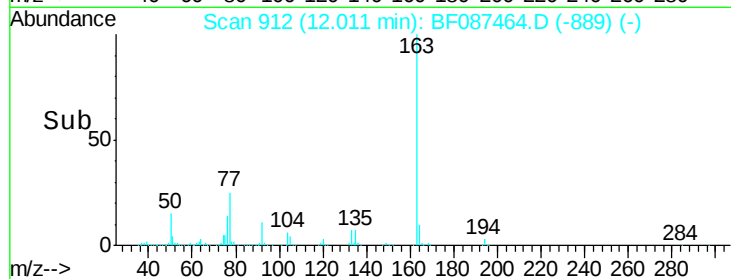
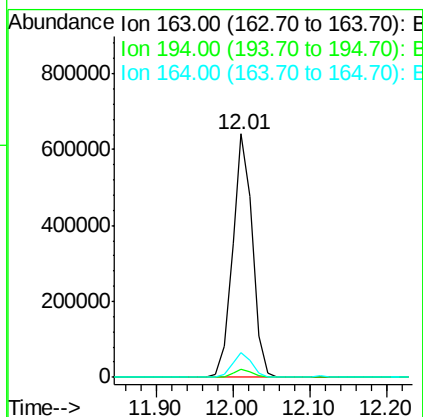
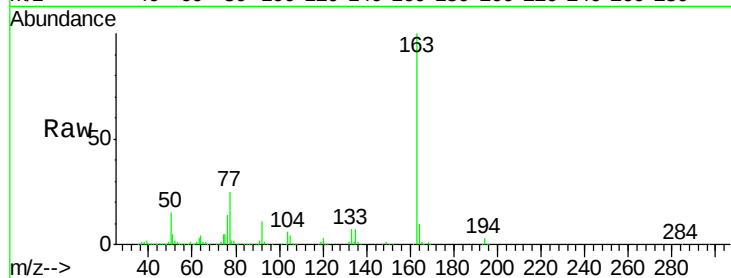




#49  
Dimethylphthalate  
Concen: 39.73 ng  
RT: 12.01 min Scan# 912  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

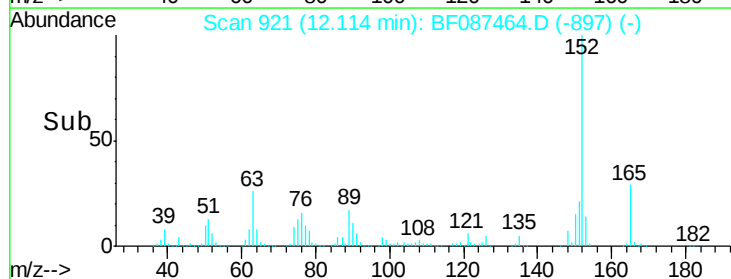
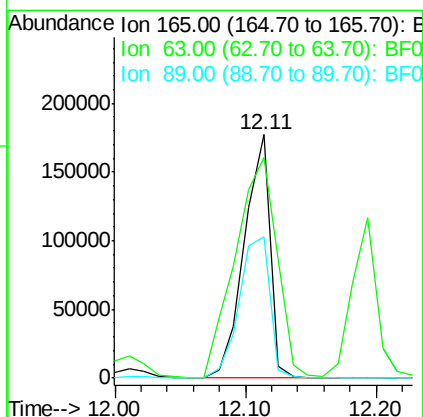
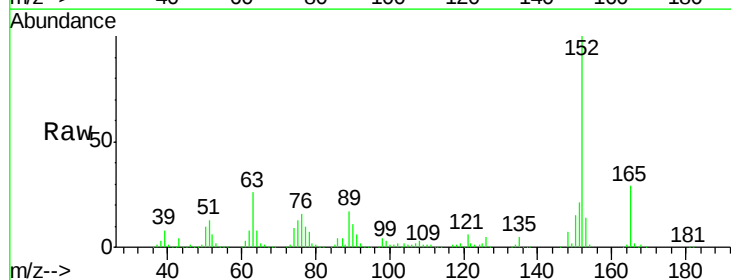
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

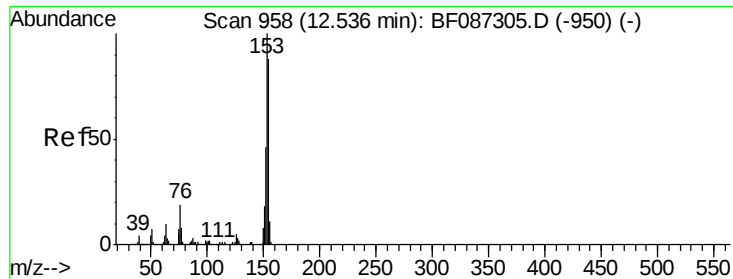
Tgt Ion:163 Resp: 1156758  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.6 4.0  
164 10.4 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 41.44 ng  
RT: 12.11 min Scan# 921  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion:165 Resp: 243123  
Ion Ratio Lower Upper  
165 100  
63 90.5 51.8 77.8#  
89 58.0 50.7 76.1





#51

Acenaphthene

Concen: 39.68 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

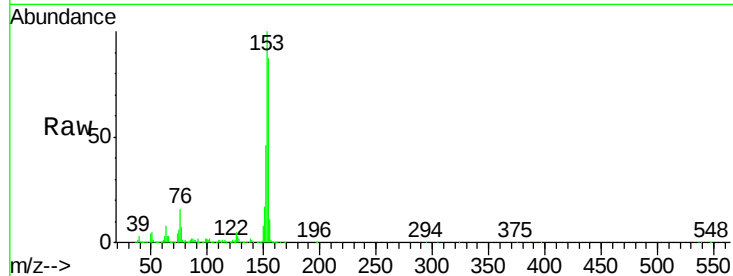
Tgt Ion:154 Resp: 904043

Ion Ratio Lower Upper

154 100

153 115.3 89.8 134.6

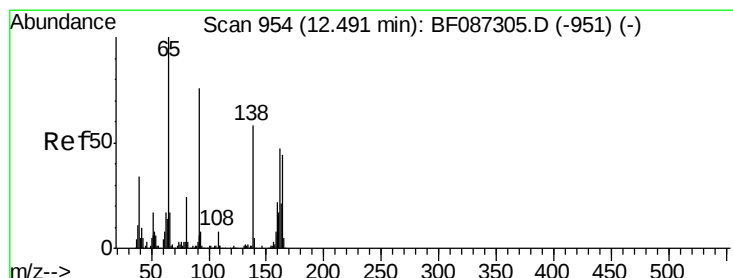
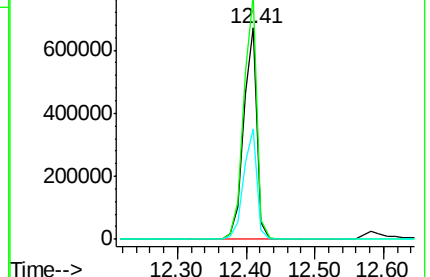
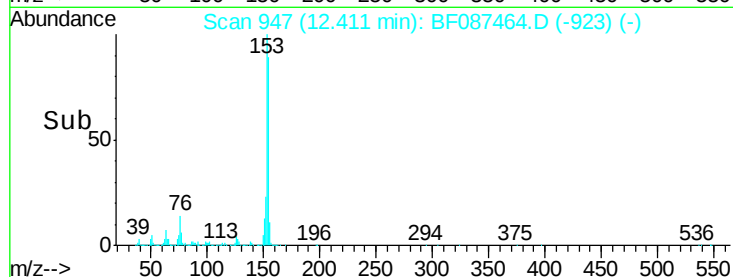
152 52.5 43.4 65.0



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



#52

3-Nitroaniline

Concen: 43.13 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

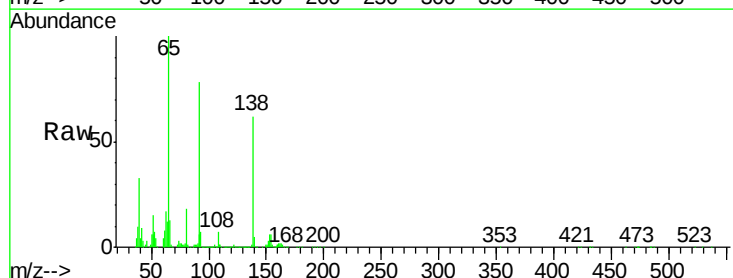
Tgt Ion:138 Resp: 259724

Ion Ratio Lower Upper

138 100

108 11.3 7.8 11.6

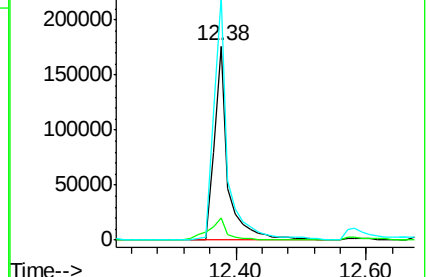
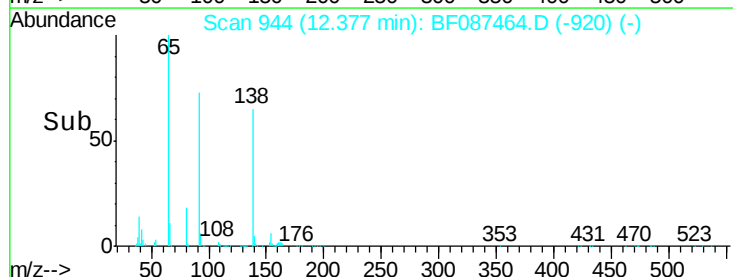
92 125.6 87.8 131.8

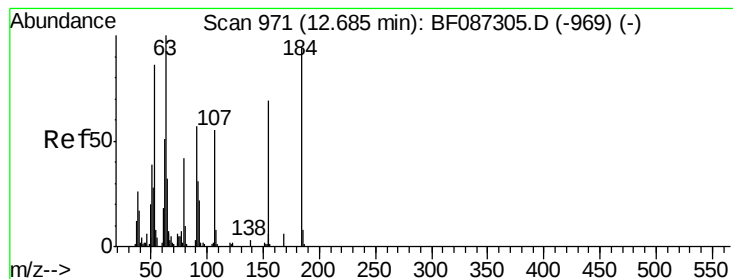


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 42.59 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

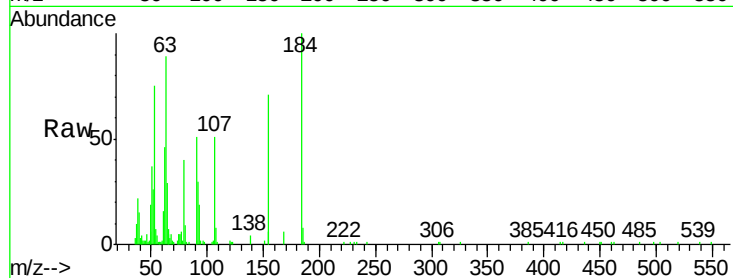
Tgt Ion:184 Resp: 117857

Ion Ratio Lower Upper

184 100

63 88.7 55.8 83.8#

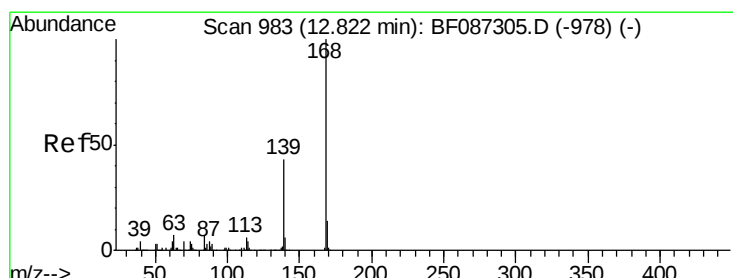
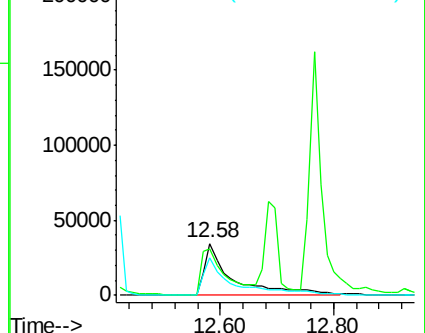
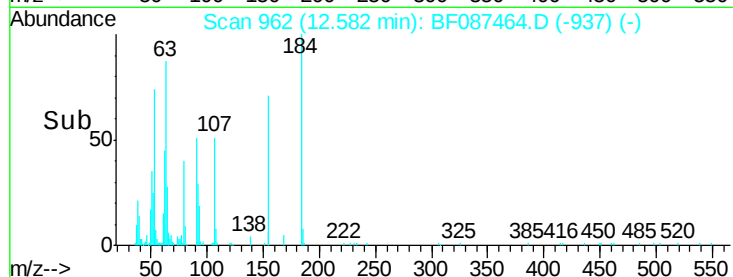
154 70.6 62.4 93.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 38.94 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

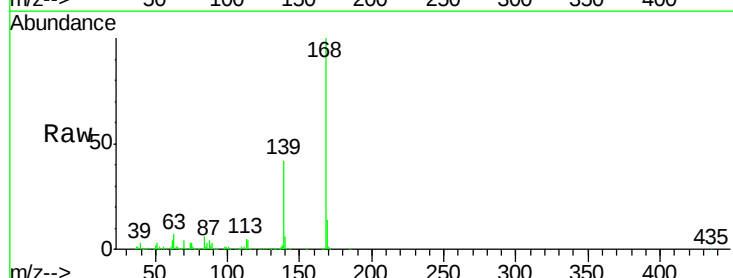
Tgt Ion:168 Resp: 1201166

Ion Ratio Lower Upper

168 100

139 41.5 31.4 47.0

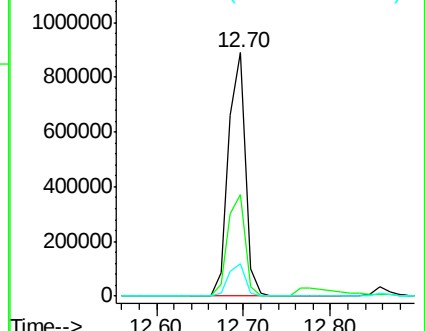
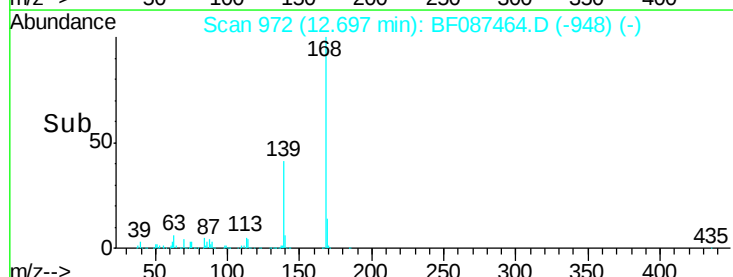
169 13.5 10.7 16.1



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





#55

4-Nitrophenol

Concen: 41.54 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

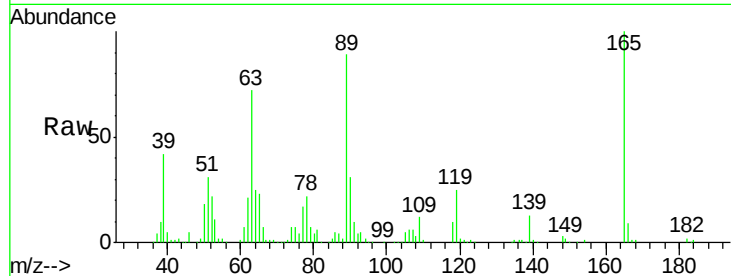
Tgt Ion:139 Resp: 119305

Ion Ratio Lower Upper

139 100

109 88.2 36.9 76.9#

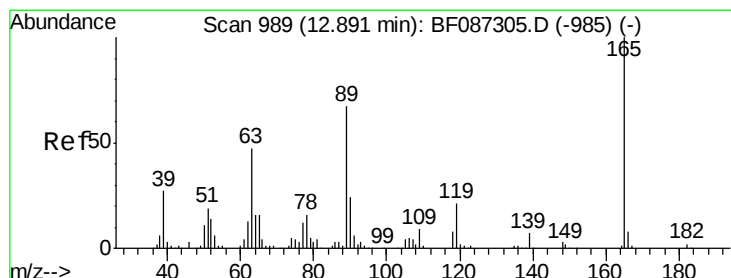
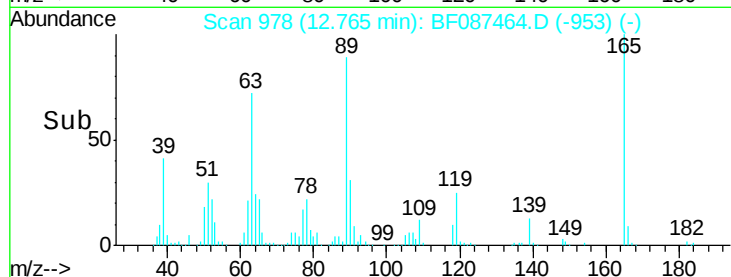
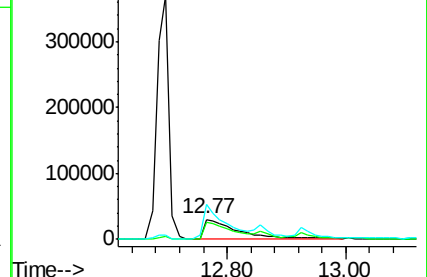
65 176.6 64.0 104.0#



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): BF0



#56

2,4-Dinitrotoluene

Concen: 40.97 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Tgt Ion:165 Resp: 321223

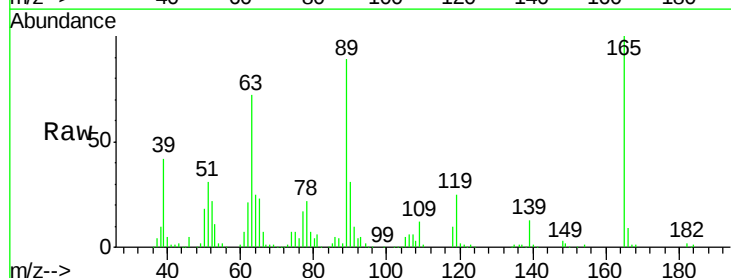
Ion Ratio Lower Upper

165 100

63 72.0 44.3 66.5#

89 89.3 70.0 105.0

182 2.3 1.8 2.6

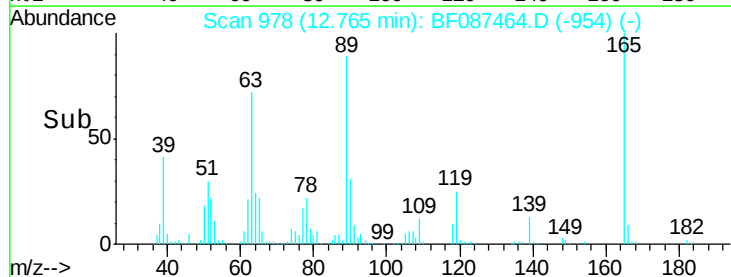
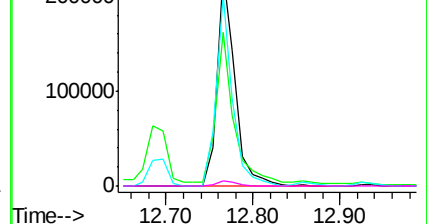


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

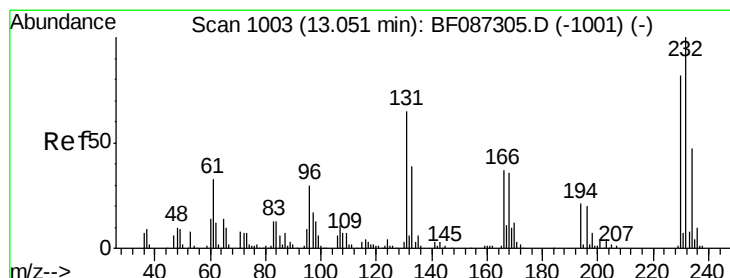
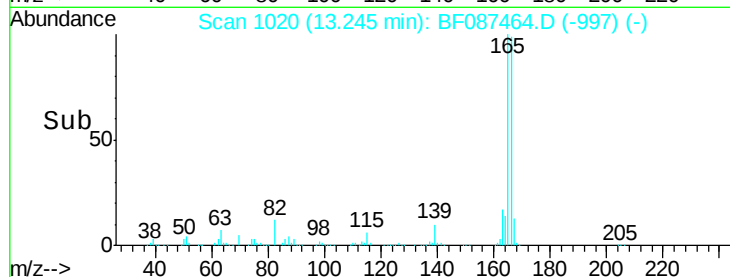
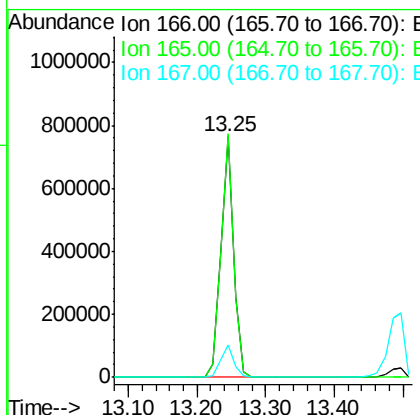
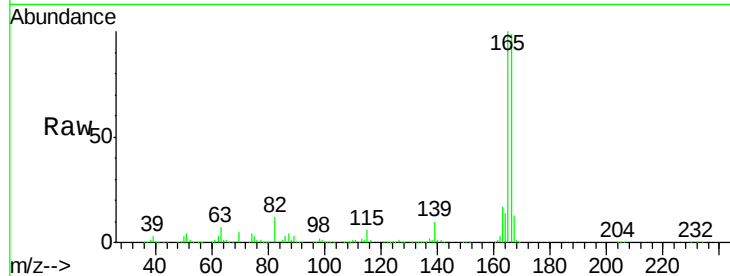




#57  
**Fluorene**  
 Concen: 37.64 ng  
 RT: 13.25 min Scan# 1020  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

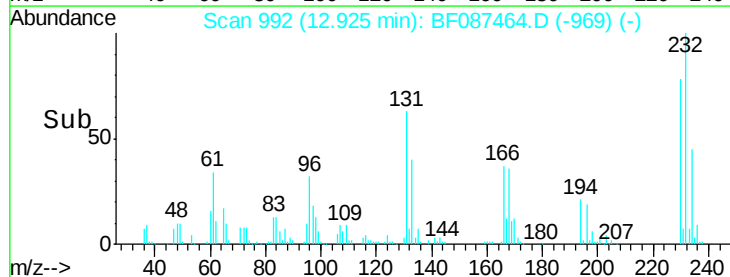
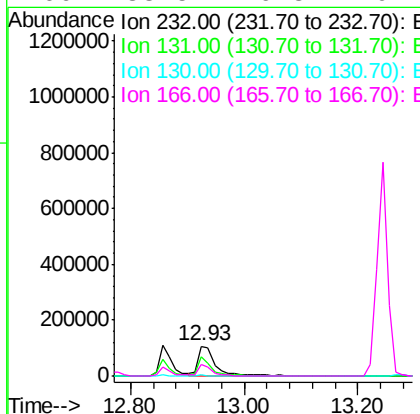
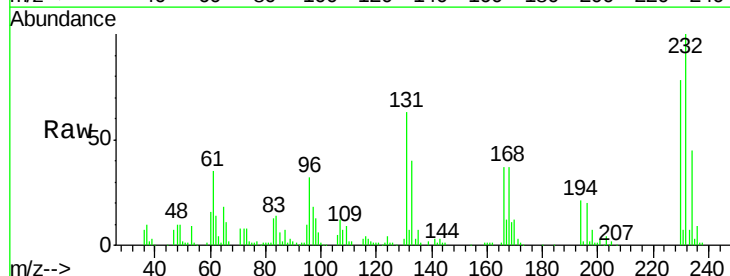
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:166 Resp: 1006710  
 Ion Ratio Lower Upper  
 166 100  
 165 101.1 79.0 118.6  
 167 13.6 10.6 15.8



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 41.46 ng  
 RT: 12.93 min Scan# 992  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:232 Resp: 218112  
 Ion Ratio Lower Upper  
 232 100  
 131 54.6 41.9 62.9  
 130 2.7 2.2 3.4  
 166 33.5 26.8 40.2

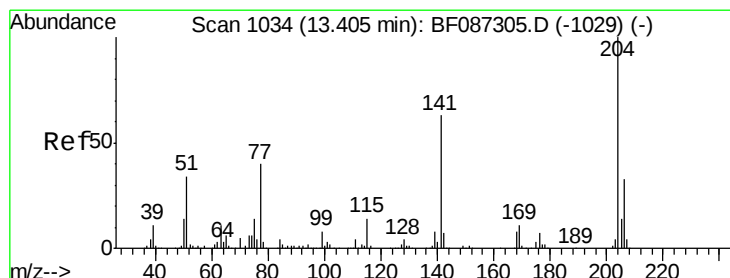
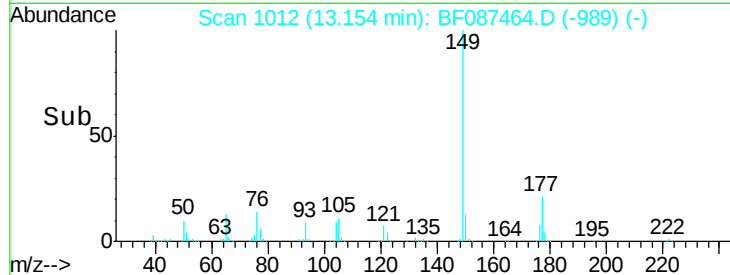
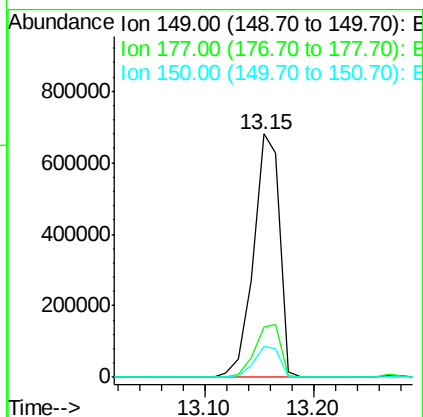
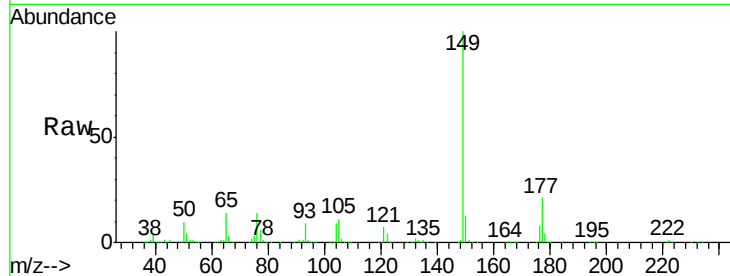




#59  
Diethylphthalate  
Concen: 40.15 ng  
RT: 13.15 min Scan# 1012  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

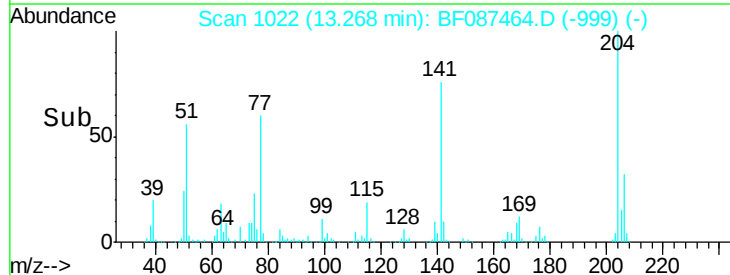
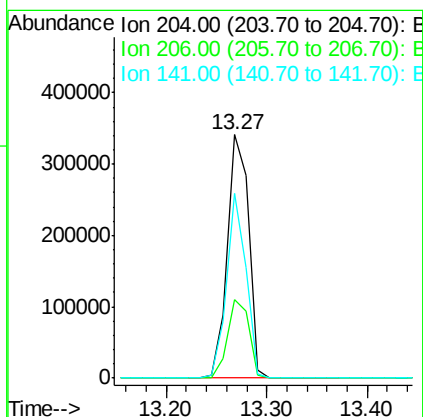
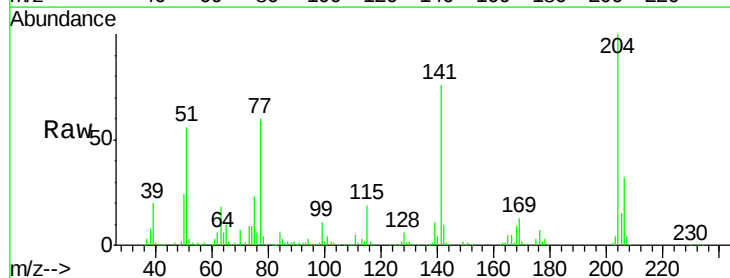
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

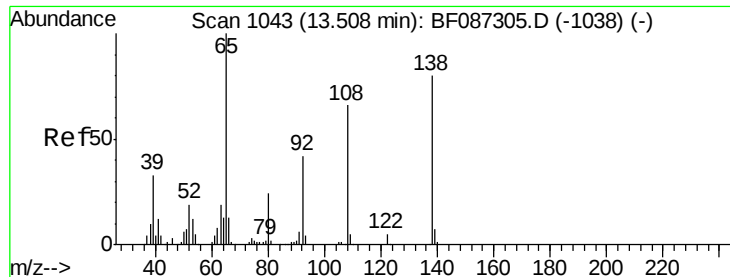
Tgt Ion:149 Resp: 1136496  
Ion Ratio Lower Upper  
149 100  
177 20.7 16.6 24.8  
150 12.9 10.0 15.0



#60  
4-Chlorophenyl-phenylether  
Concen: 38.51 ng  
RT: 13.27 min Scan# 1022  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion:204 Resp: 502368  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.4 38.0  
141 76.0 61.6 92.4





#61

4-Nitroaniline

Concen: 40.87 ng

RT: 13.38 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

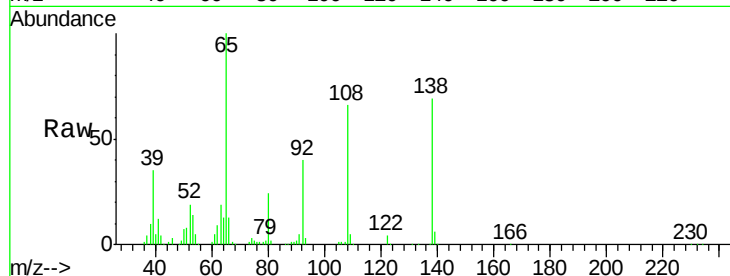
Tgt Ion:138 Resp: 229691

Ion Ratio Lower Upper

138 100

92 57.4 24.7 64.7

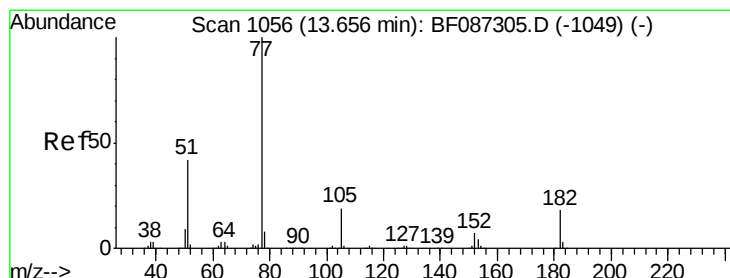
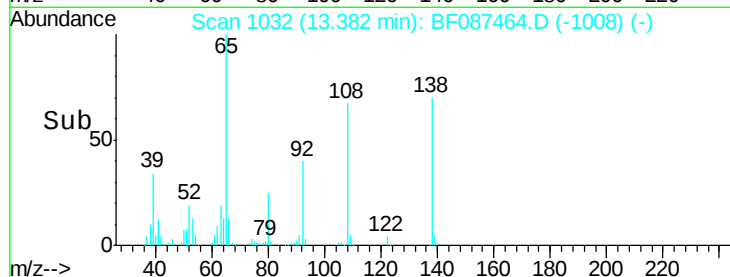
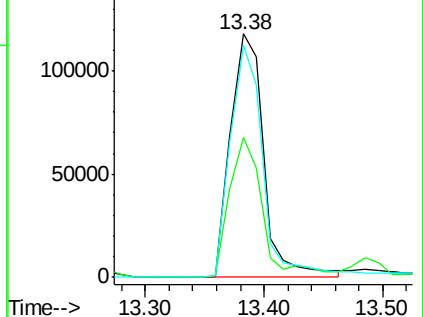
108 95.4 37.4 77.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 40.72 ng

RT: 13.53 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Tgt Ion: 77 Resp: 1195730

Ion Ratio Lower Upper

77 100

182 20.1 0.0 38.8

105 20.1 3.2 43.2

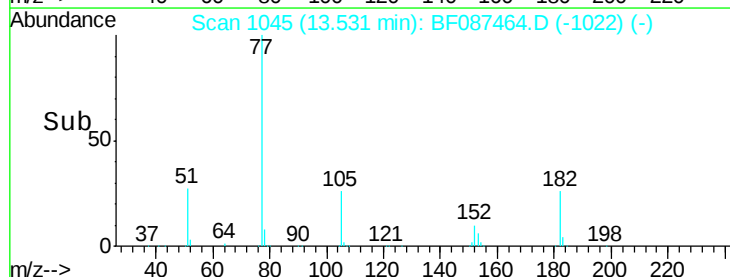
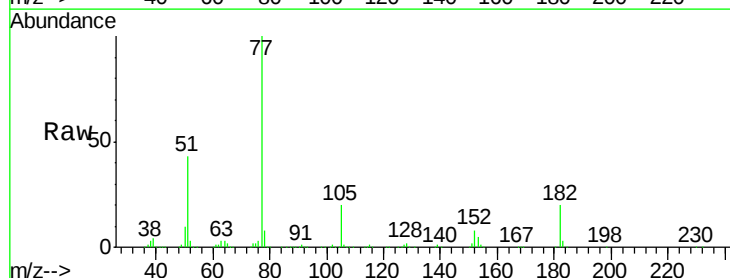
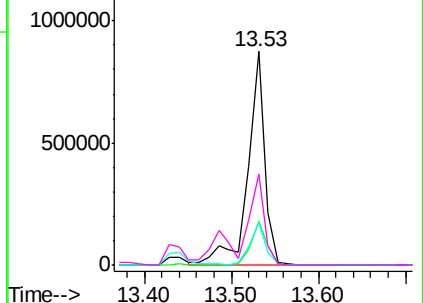
51 42.8 8.8 48.8

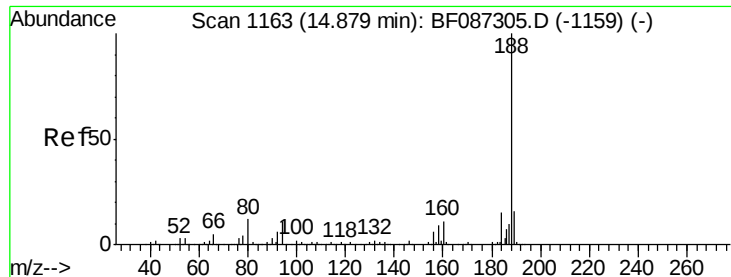
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

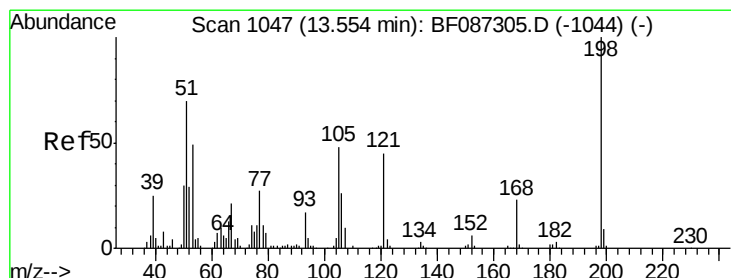
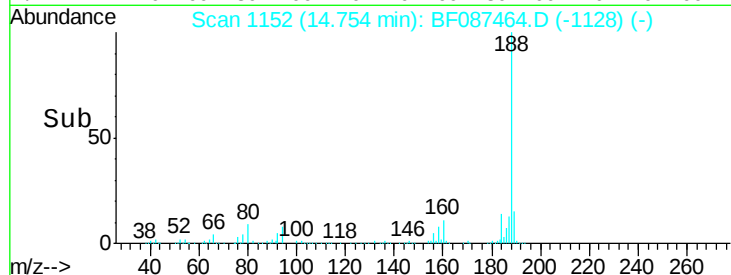
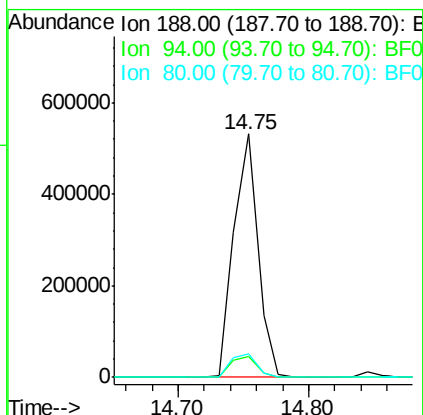
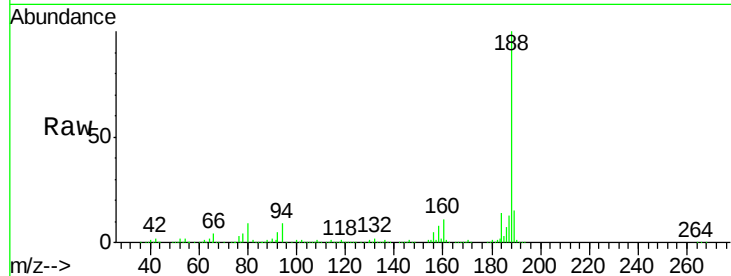




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

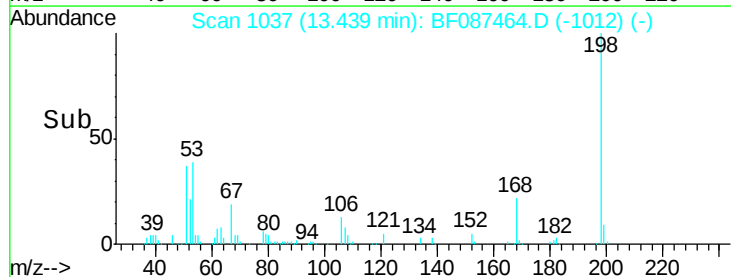
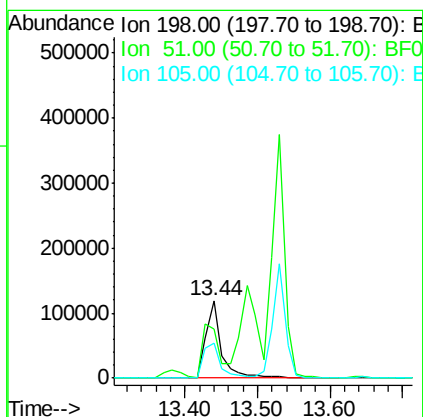
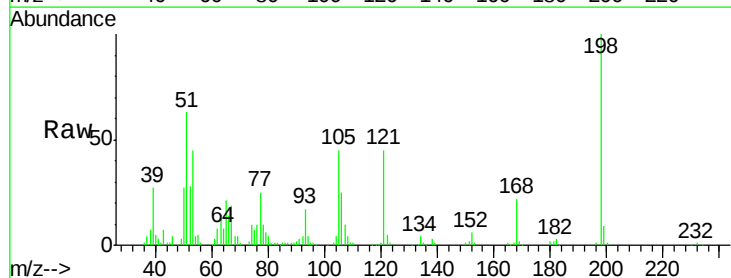
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:188 Resp: 684376  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.8 10.2  
80 9.4 7.1 10.7



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.38 ng  
RT: 13.44 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion:198 Resp: 180048  
Ion Ratio Lower Upper  
198 100  
51 62.5 20.5 60.5#  
105 44.8 24.5 64.5

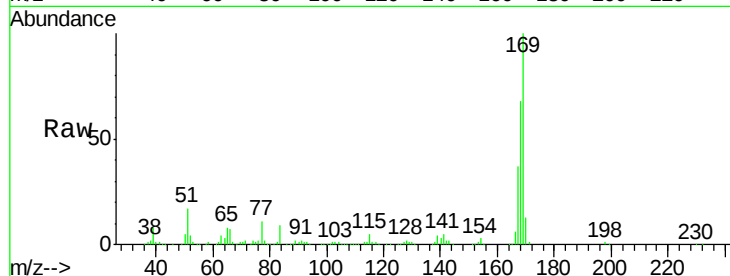




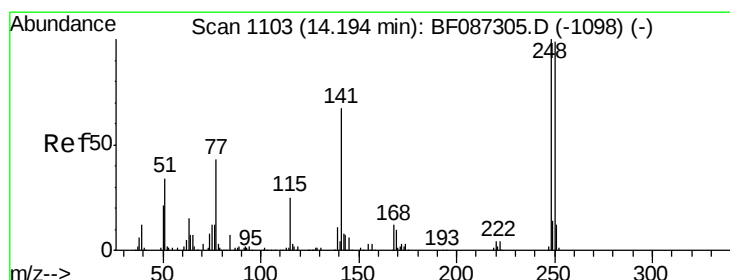
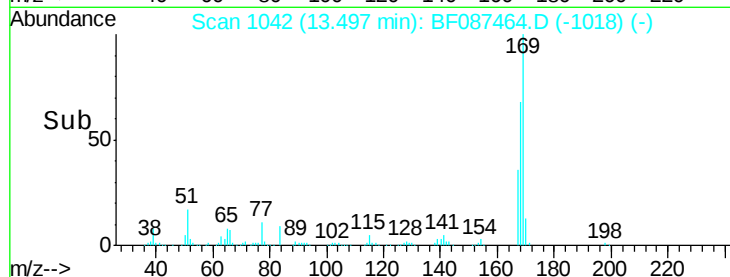
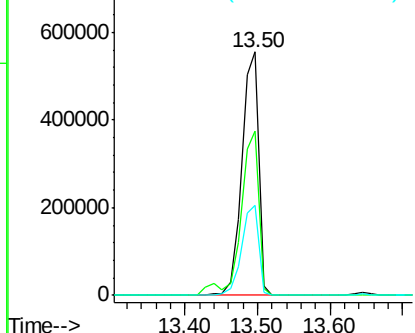
#65  
 n-Nitrosodiphenylamine  
 Concen: 40.13 ng  
 RT: 13.50 min Scan# 1042  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion:169 Resp: 888163  
 Ion Ratio Lower Upper  
 169 100  
 168 67.7 53.8 80.6  
 167 36.7 29.5 44.3

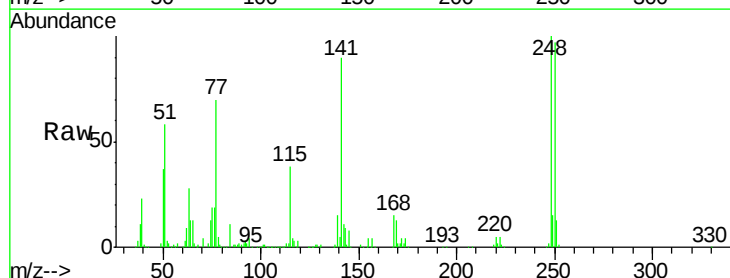


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

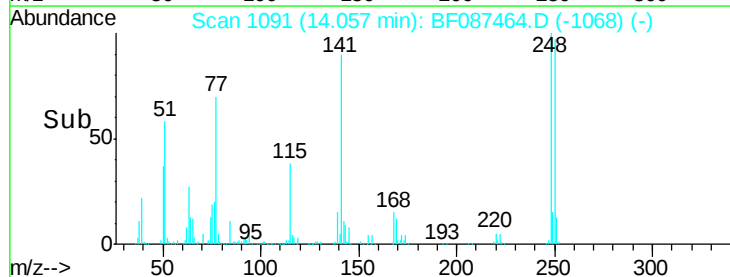
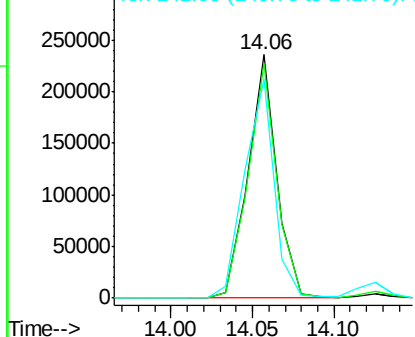


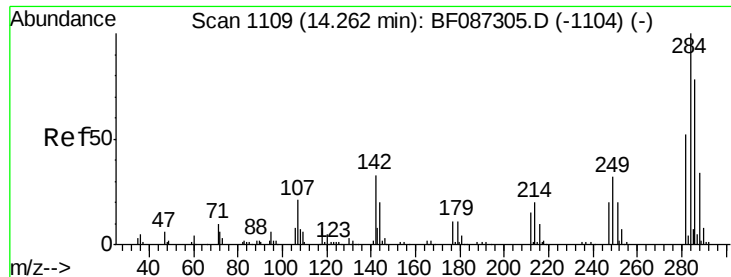
#66  
 4-Bromophenyl-phenylether  
 Concen: 38.38 ng  
 RT: 14.06 min Scan# 1091  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:248 Resp: 287377  
 Ion Ratio Lower Upper  
 248 100  
 250 96.6 78.6 117.8  
 141 90.0 76.0 114.0



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

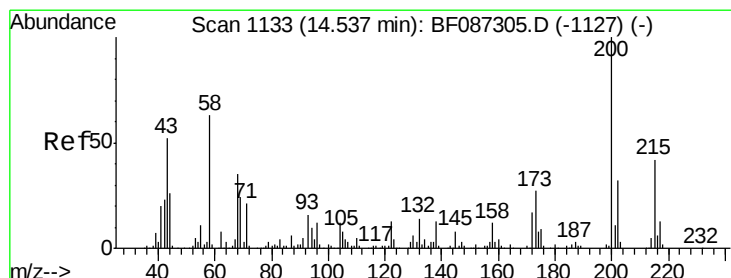
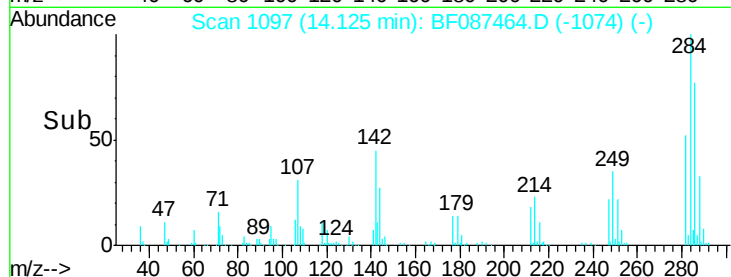
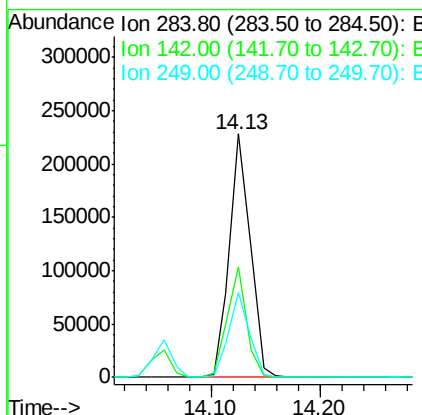
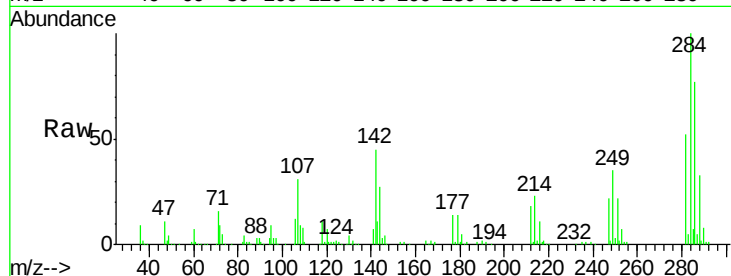




#67  
Hexachlorobenzene  
Concen: 38.64 ng  
RT: 14.13 min Scan# 1097  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

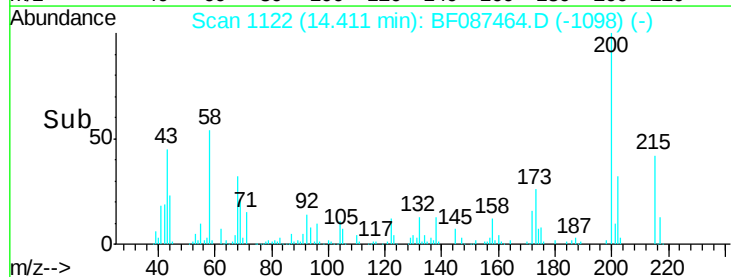
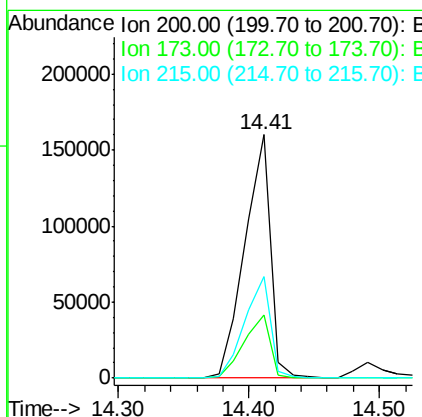
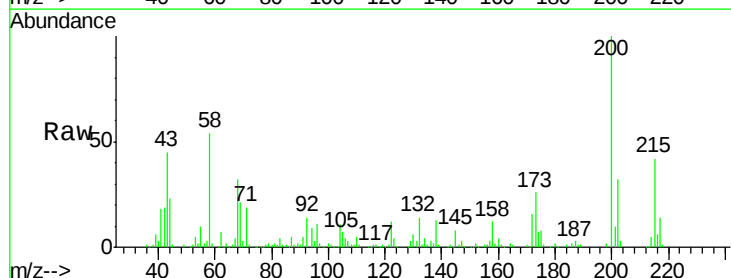
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

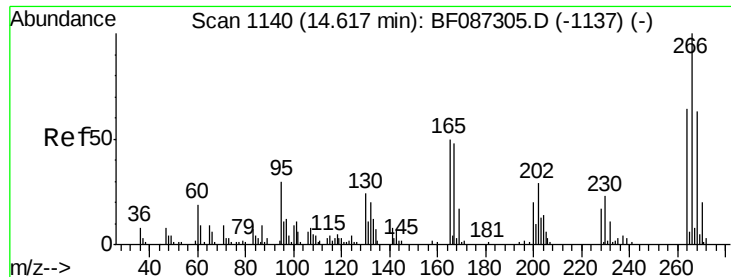
Tgt Ion: 284 Resp: 302603  
Ion Ratio Lower Upper  
284 100  
142 45.2 16.7 25.1#  
249 34.6 21.3 31.9#



#68  
Atrazine  
Concen: 31.10 ng  
RT: 14.41 min Scan# 1122  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion: 200 Resp: 219434  
Ion Ratio Lower Upper  
200 100  
173 26.1 8.5 48.5  
215 41.9 27.2 67.2

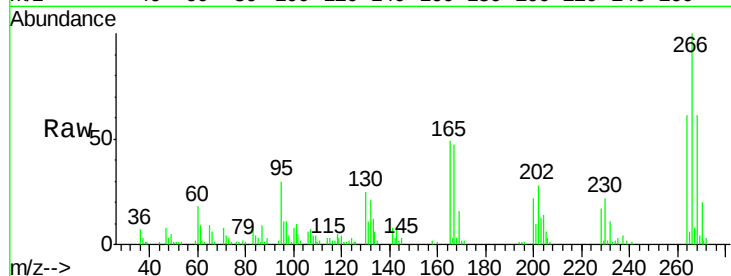




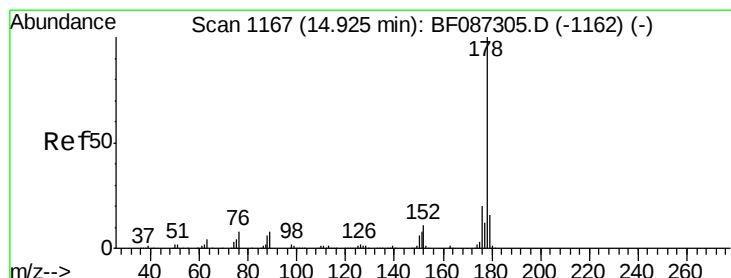
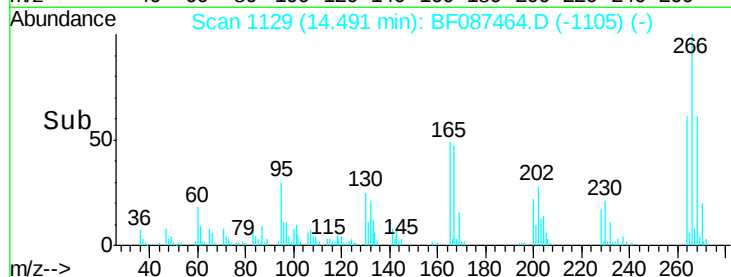
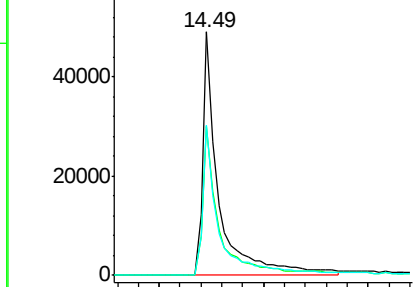
#69  
 Pentachlorophenol  
 Concen: 46.56 ng  
 RT: 14.49 min Scan# 1129  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Tgt Ion: 266 Resp: 106492  
 Ion Ratio Lower Upper  
 266 100  
 268 61.0 51.5 77.3  
 264 61.4 52.9 79.3

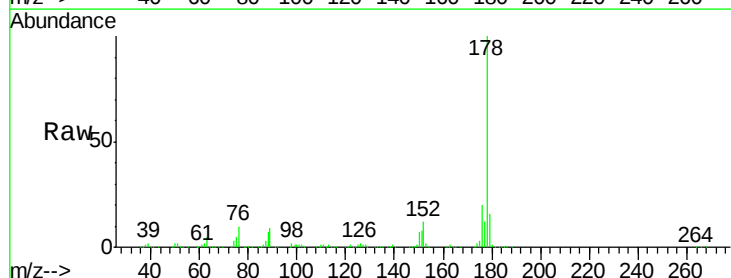


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

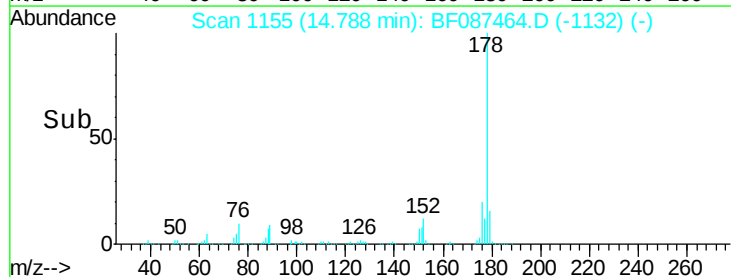
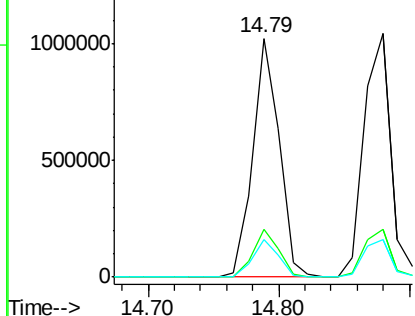


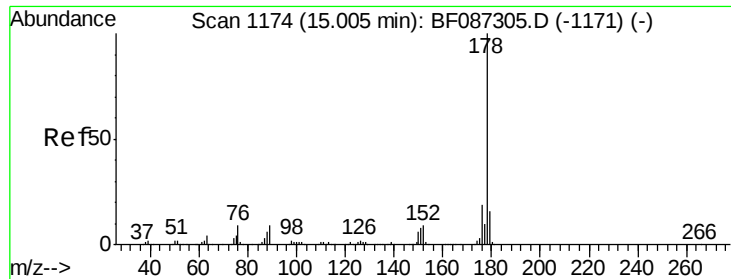
#70  
 Phenanthrene  
 Concen: 38.19 ng  
 RT: 14.79 min Scan# 1155  
 Delta R.T. -0.03 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion: 178 Resp: 1447823  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.0 24.0  
 179 15.6 12.6 18.8



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

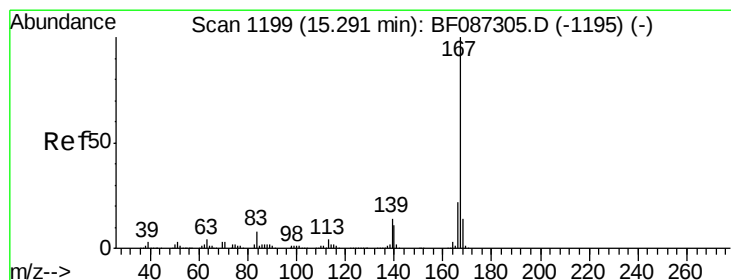
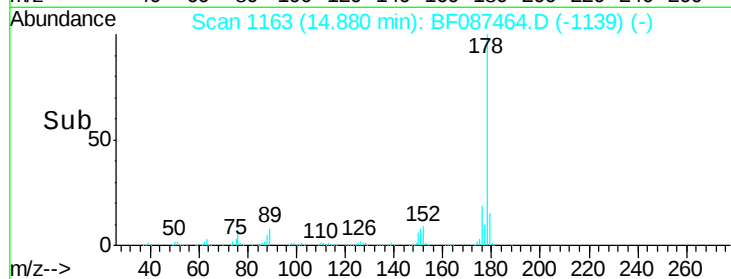
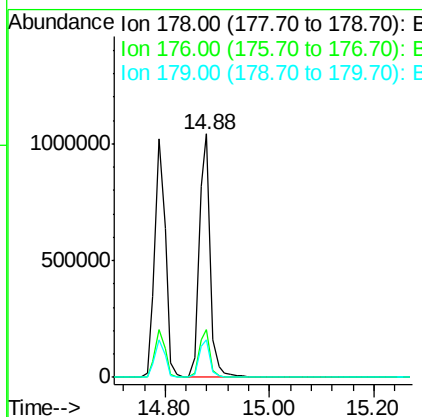
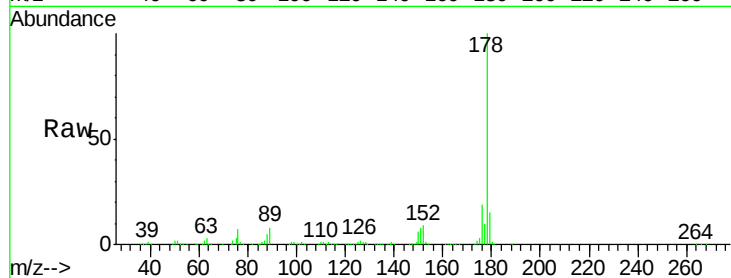




#71  
 Anthracene  
 Concen: 39.49 ng  
 RT: 14.88 min Scan# 1163  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

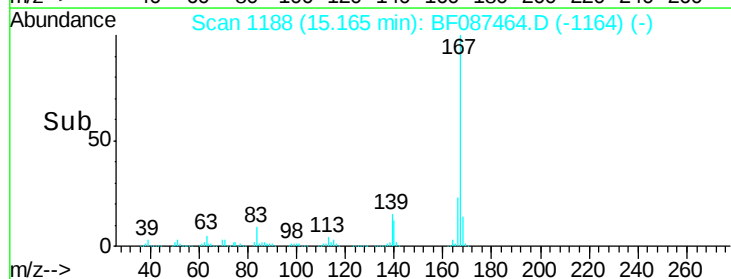
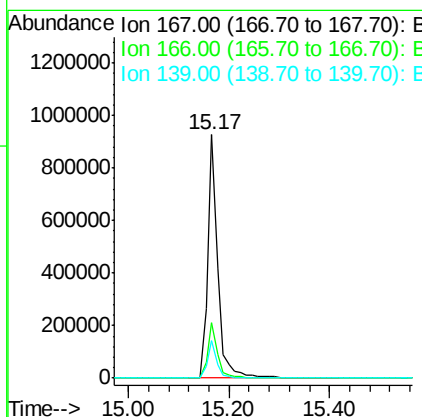
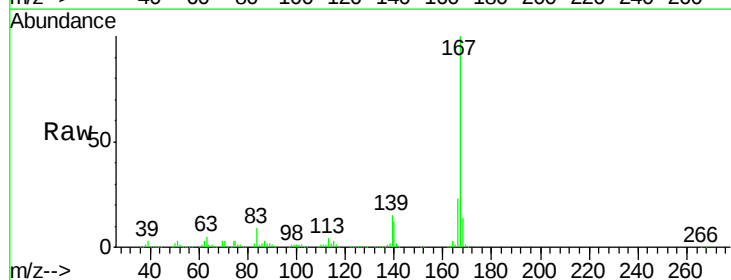
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

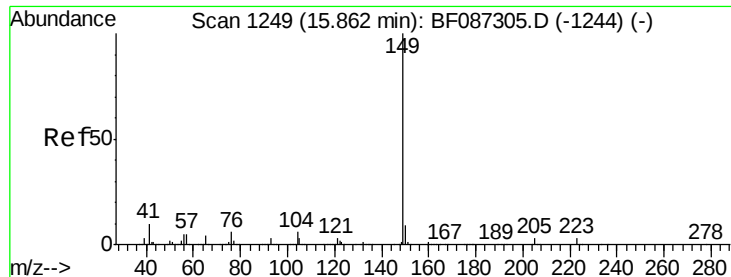
Tgt Ion:178 Resp: 1512352  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.6 23.4  
 179 15.5 12.7 19.1



#72  
 Carbazole  
 Concen: 39.02 ng  
 RT: 15.17 min Scan# 1188  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:167 Resp: 1274486  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 17.7 26.5  
 139 15.2 10.8 16.2





#73

Di-n-butylphthalate

Concen: 40.06 ng

RT: 15.74 min Scan# 1238

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

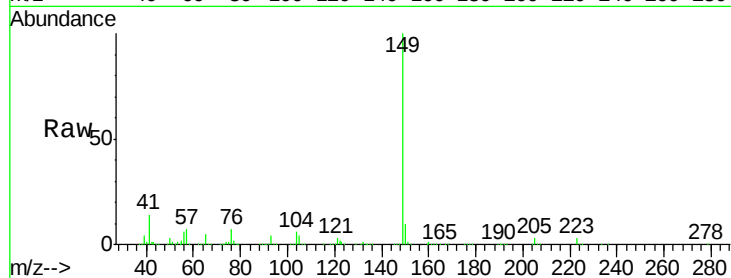
Tgt Ion:149 Resp: 1692150

Ion Ratio Lower Upper

149 100

150 9.7 7.6 11.4

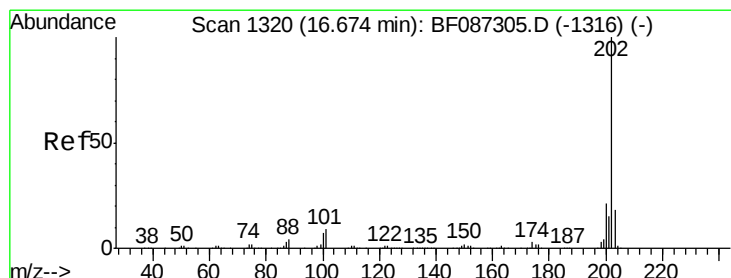
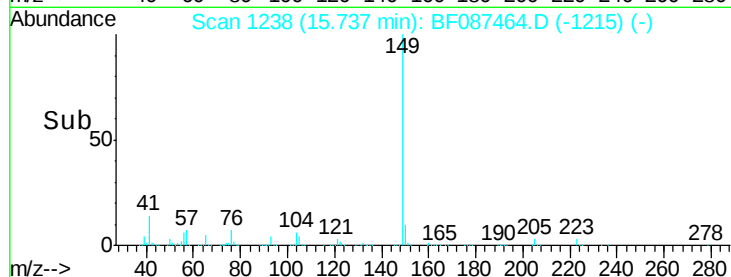
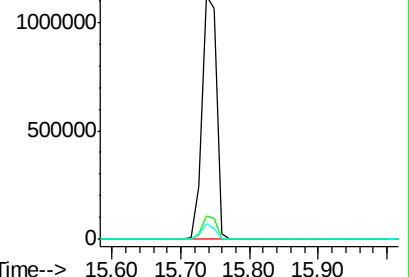
104 6.4 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.45 ng

RT: 16.55 min Scan# 1309

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

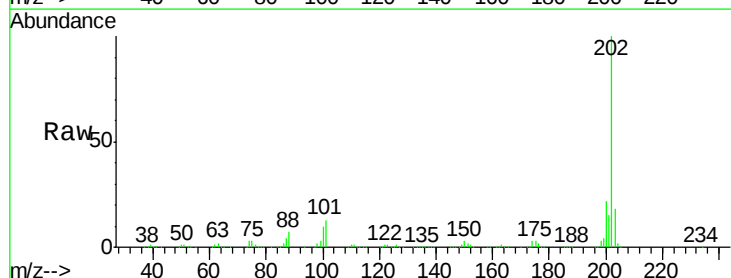
Tgt Ion:202 Resp: 1461548

Ion Ratio Lower Upper

202 100

101 12.6 0.0 35.4

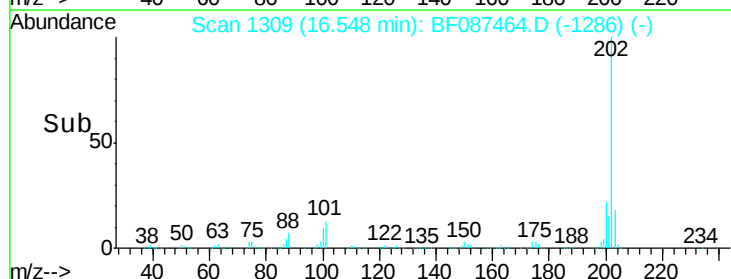
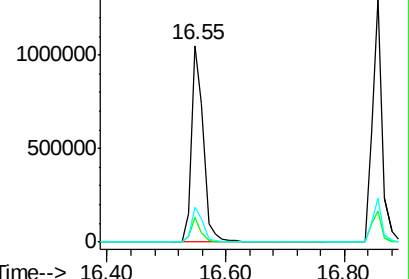
203 18.1 0.0 38.1

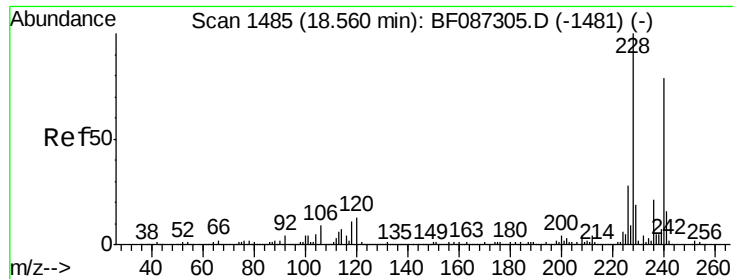


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

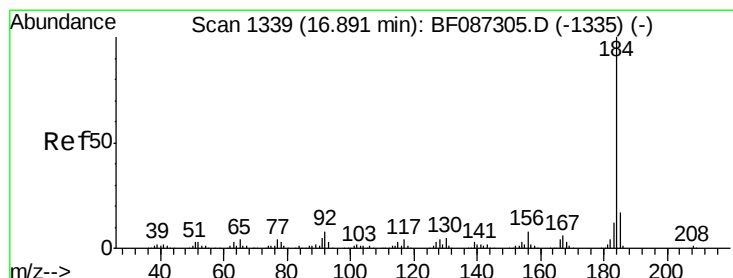
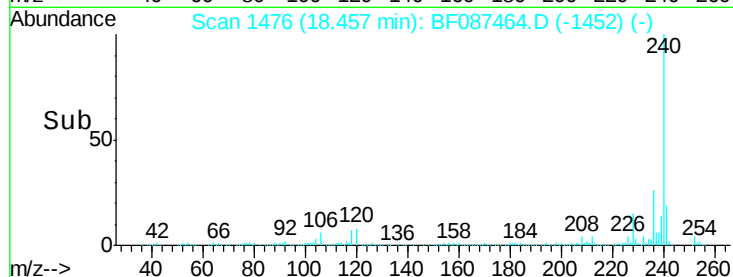
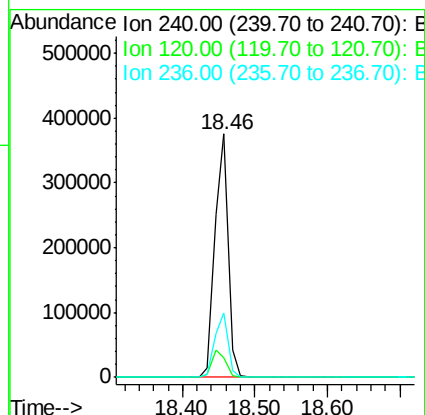
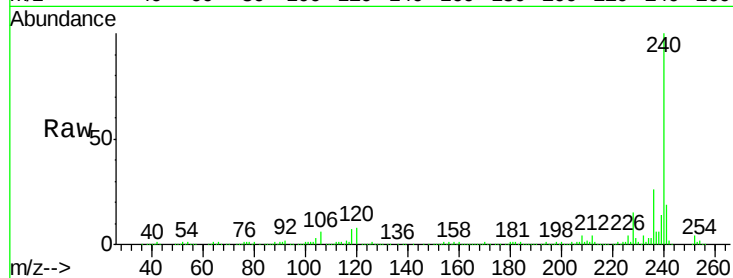




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.46 min Scan# 1476  
Delta R.T. -0.02 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

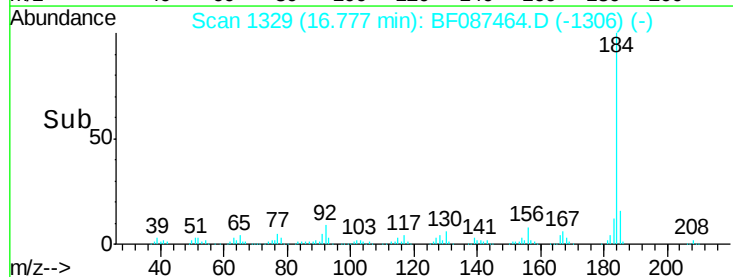
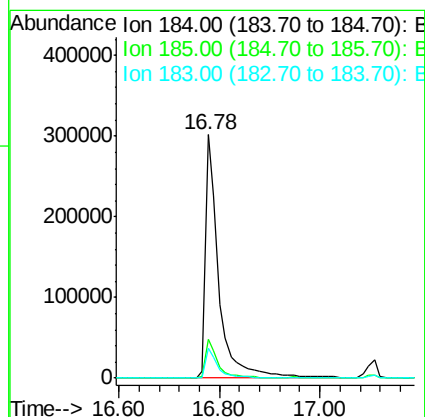
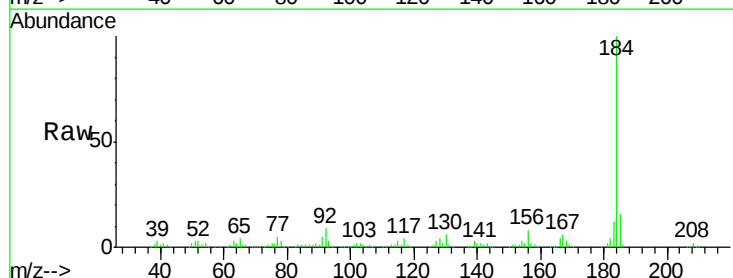
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:240 Resp: 476242  
Ion Ratio Lower Upper  
240 100  
120 8.1 11.2 16.8#  
236 26.4 21.2 31.8



#76  
Benzidine  
Concen: 45.35 ng  
RT: 16.78 min Scan# 1329  
Delta R.T. -0.03 min  
Lab File: BF087464.D  
Acq: 28 May 2016 3:12

Tgt Ion:184 Resp: 555744  
Ion Ratio Lower Upper  
184 100  
185 16.2 13.6 20.4  
183 12.2 9.8 14.6

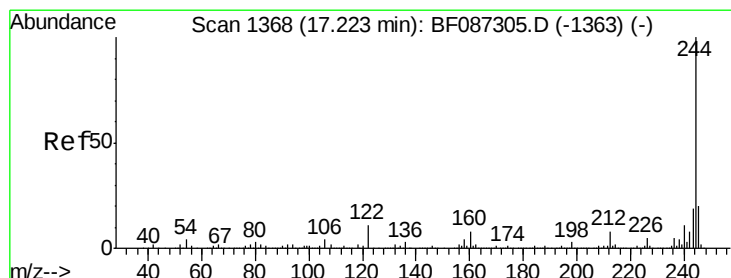
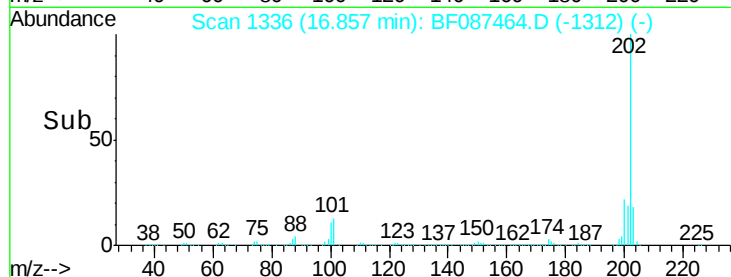
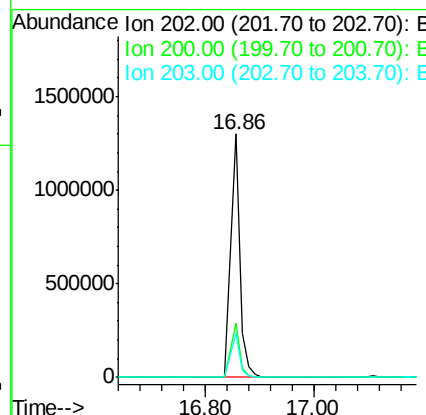
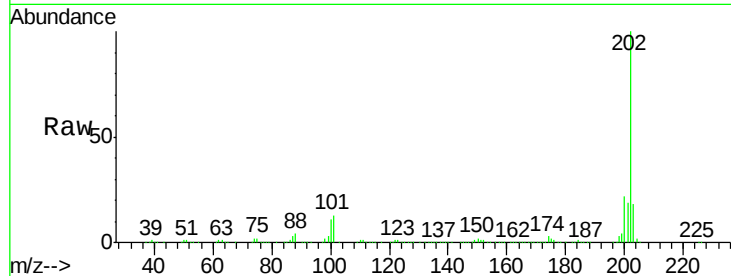




#77  
 Pyrene  
 Concen: 44.44 ng  
 RT: 16.86 min Scan# 1336  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

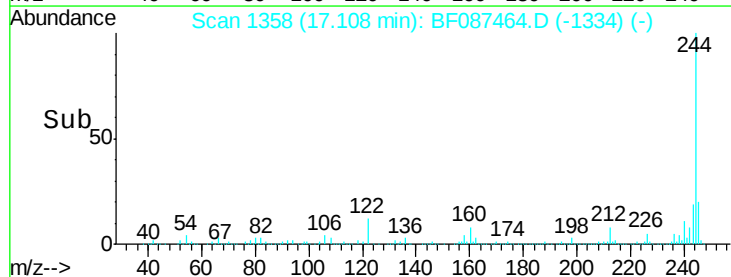
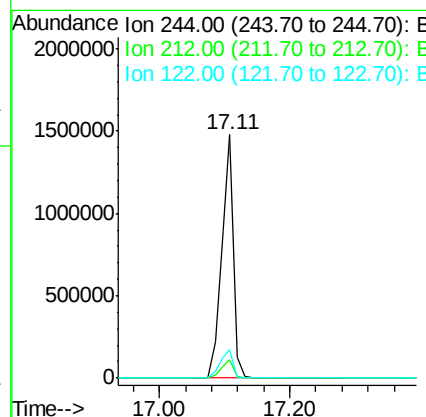
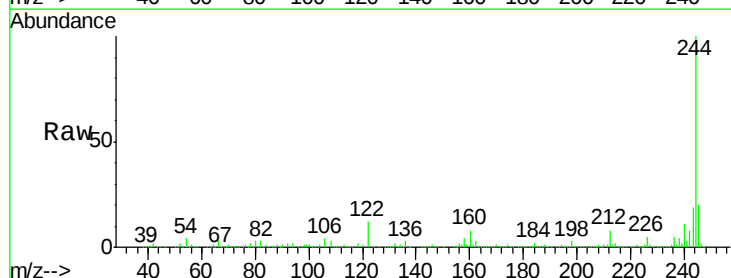
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

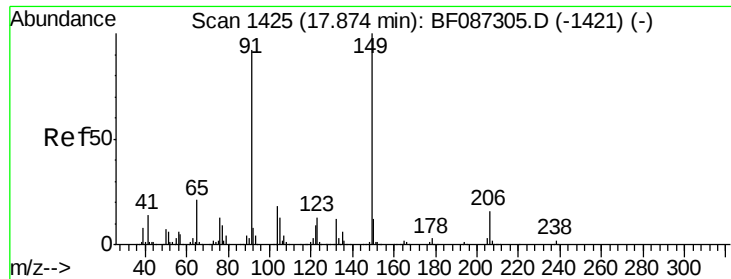
Tgt Ion:202 Resp: 1523512  
 Ion Ratio Lower Upper  
 202 100  
 200 22.2 17.7 26.5  
 203 18.0 14.2 21.4



#78  
 Terphenyl-d14  
 Concen: 84.26 ng  
 RT: 17.11 min Scan# 1358  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:244 Resp: 1887526  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 12.0 12.0 18.0#





#79

Butylbenzylphthalate

Concen: 46.38 ng

RT: 17.77 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

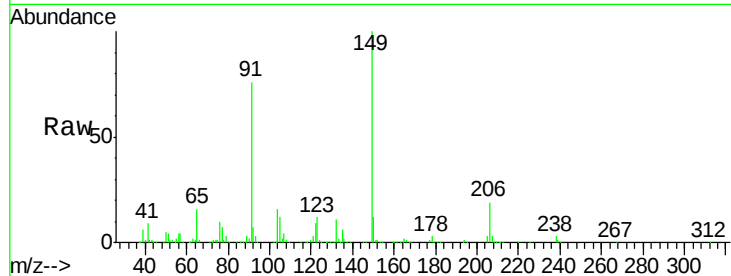
Tgt Ion:149 Resp: 705054

Ion Ratio Lower Upper

149 100

91 76.0 48.0 72.0#

206 18.9 15.8 23.6



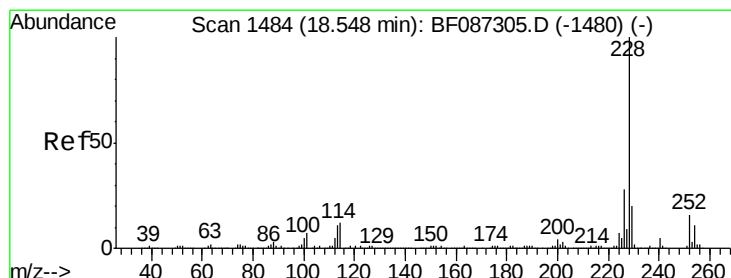
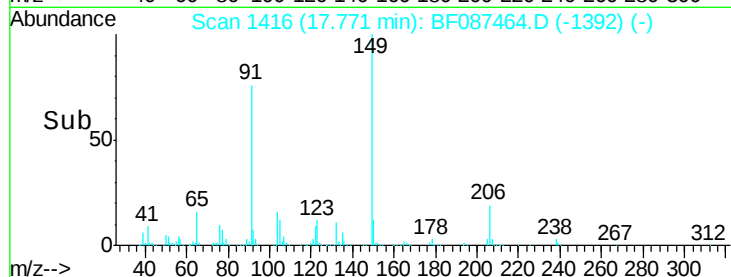
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

17.77

Time-->



#80

Benzo(a)anthracene

Concen: 41.47 ng

RT: 18.43 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

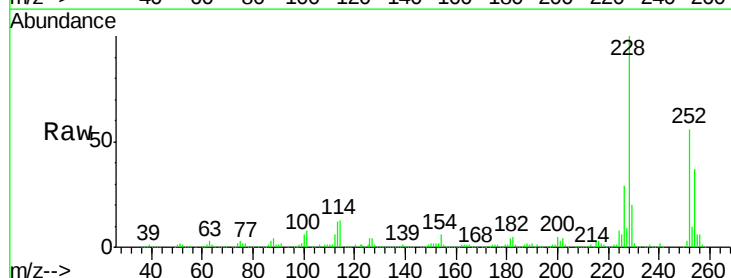
Tgt Ion:228 Resp: 1123474

Ion Ratio Lower Upper

228 100

226 28.6 22.5 33.7

229 20.2 16.6 25.0



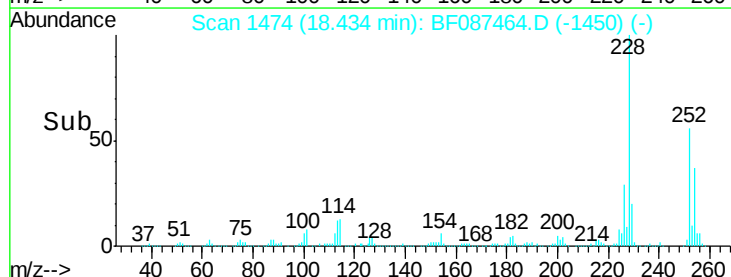
Abundance Ion 228.00 (227.70 to 228.70): E

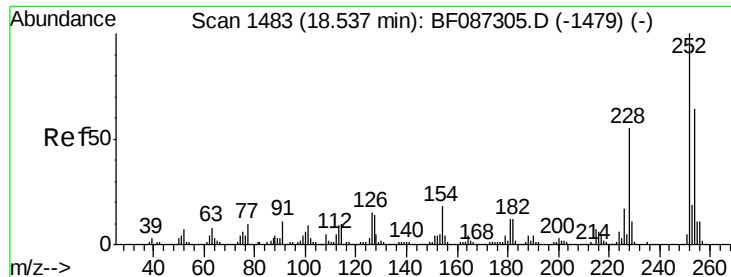
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

18.43

Time-->

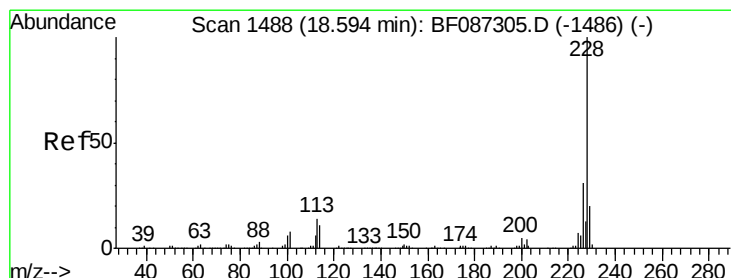
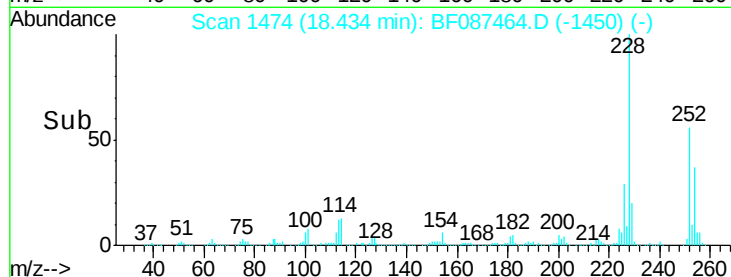
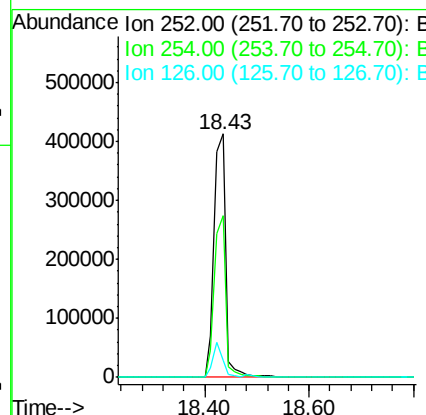
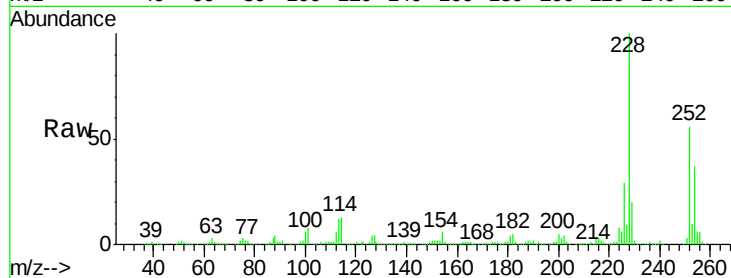




#81  
 3,3'-Dichlorobenzidine  
 Concen: 43.12 ng  
 RT: 18.43 min Scan# 1474  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

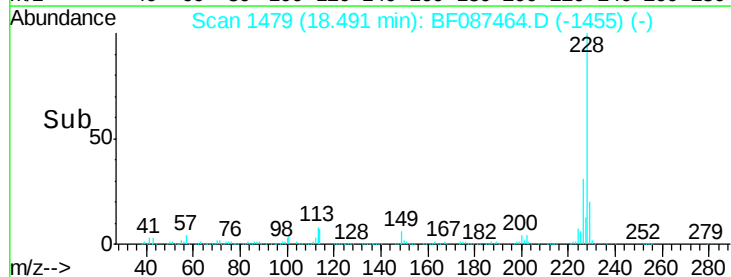
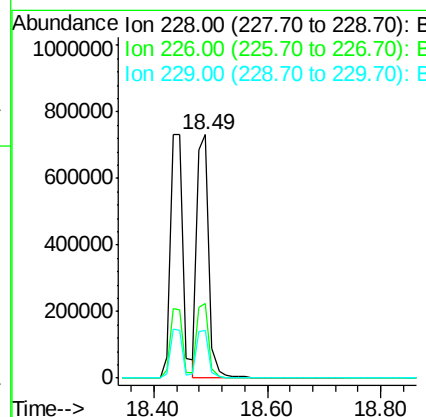
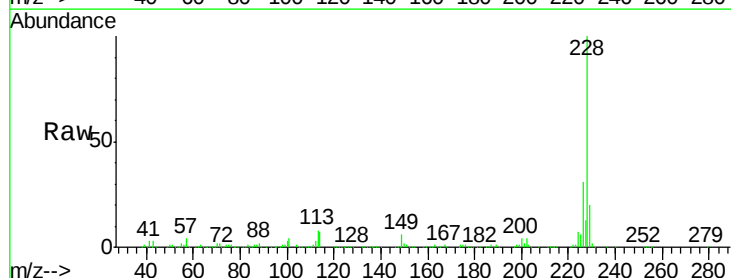
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

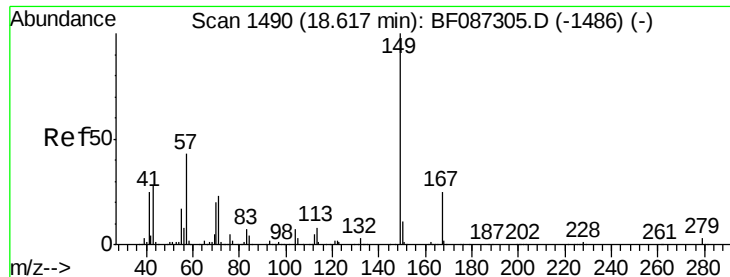
Tgt Ion:252 Resp: 645298  
 Ion Ratio Lower Upper  
 252 100  
 254 66.3 50.7 76.1  
 126 7.0 12.7 19.1#



#82  
 Chrysene  
 Concen: 39.80 ng  
 RT: 18.49 min Scan# 1479  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion:228 Resp: 1070036  
 Ion Ratio Lower Upper  
 228 100  
 226 30.9 24.4 36.6  
 229 19.5 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.46 ng

RT: 18.51 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

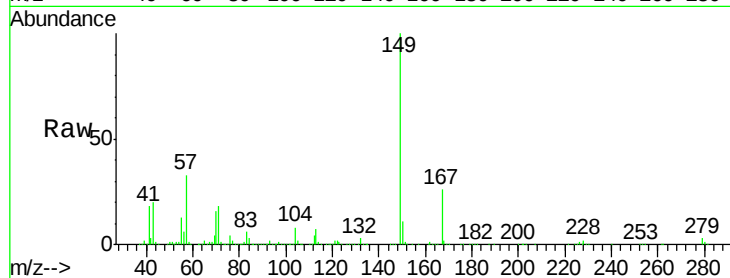
Tgt Ion:149 Resp: 963988

Ion Ratio Lower Upper

149 100

167 25.9 21.8 32.6

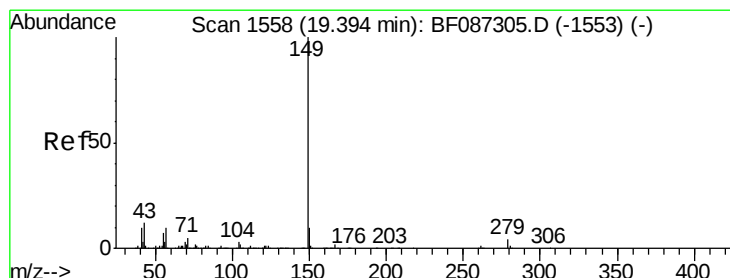
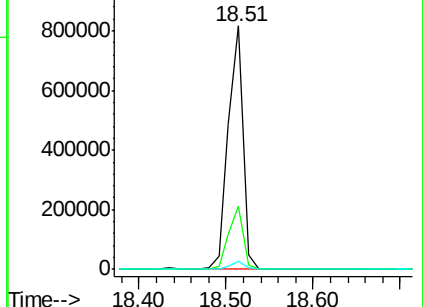
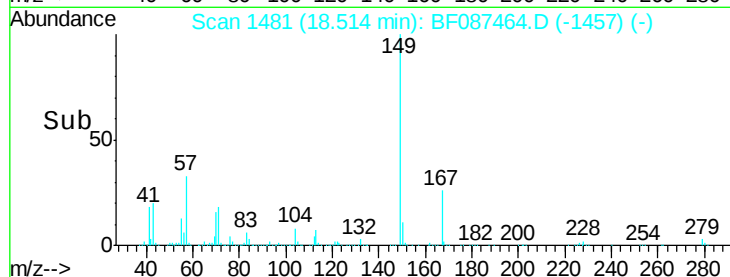
279 3.4 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 38.92 ng

RT: 19.28 min Scan# 1548

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

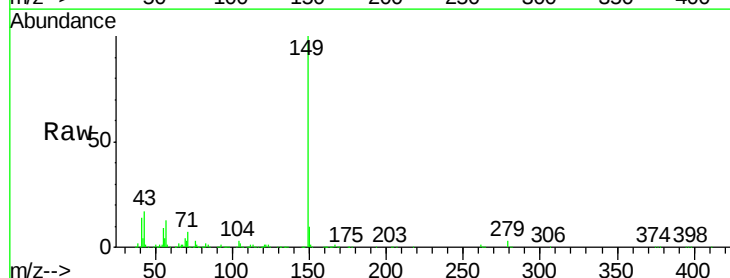
Tgt Ion:149 Resp: 1316506

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

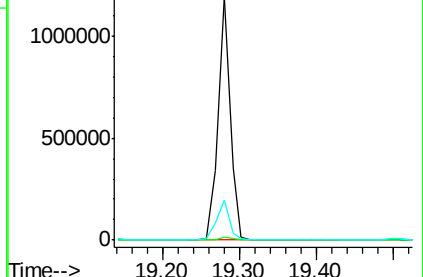
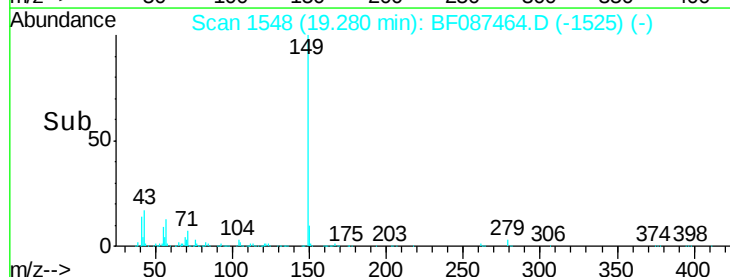
43 17.2 8.2 12.4#

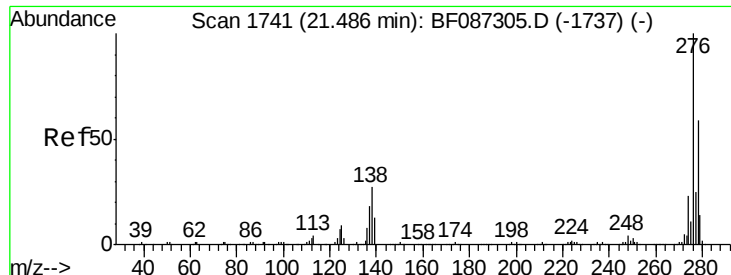


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

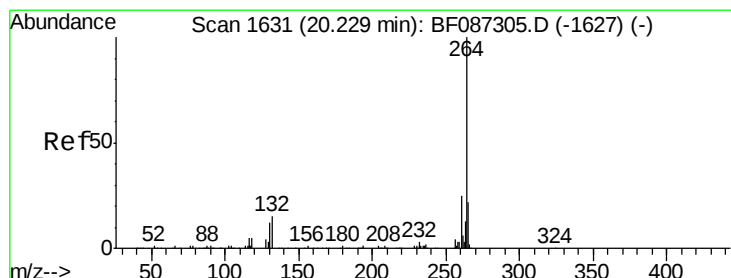
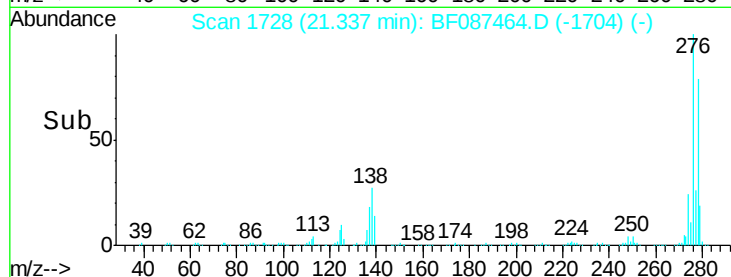
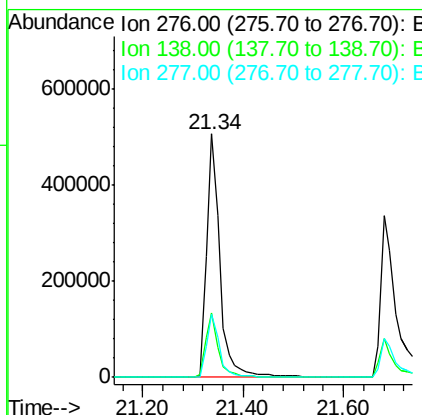
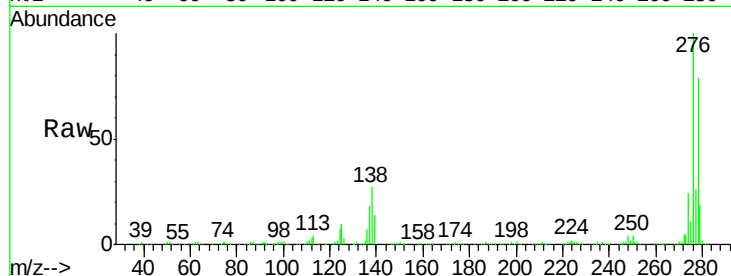




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.87 ng  
 RT: 21.34 min Scan# 1728  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

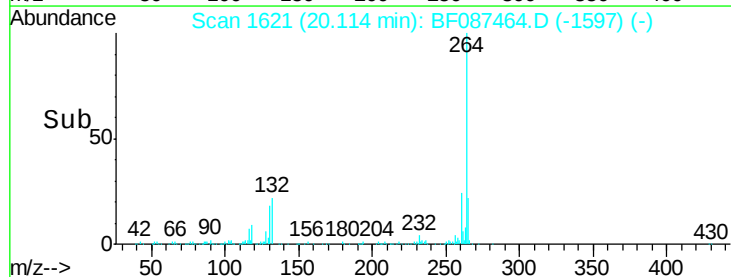
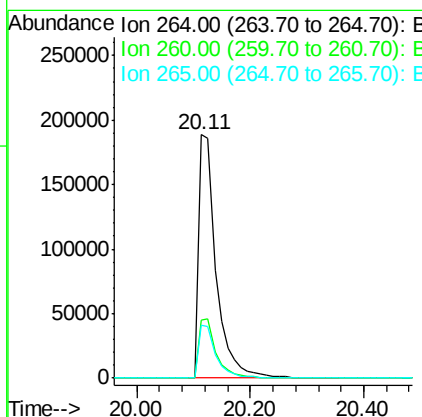
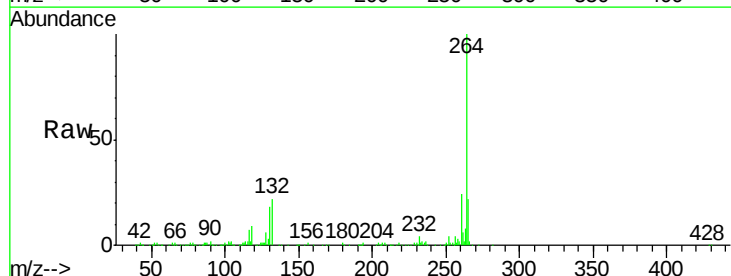
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

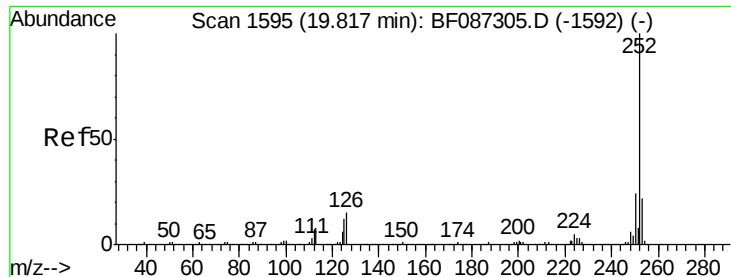
Tgt Ion: 276 Resp: 924013  
 Ion Ratio Lower Upper  
 276 100  
 138 26.0 25.6 38.4  
 277 25.8 20.5 30.7



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.11 min Scan# 1621  
 Delta R.T. -0.02 min  
 Lab File: BF087464.D  
 Acq: 28 May 2016 3:12

Tgt Ion: 264 Resp: 391826  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.5 29.3  
 265 21.9 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 72.18 ng

RT: 19.71 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

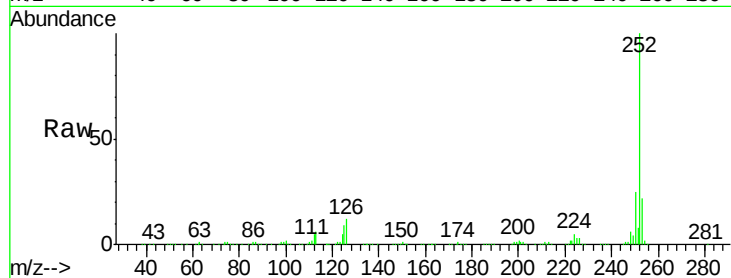
Tgt Ion:252 Resp: 1801532

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

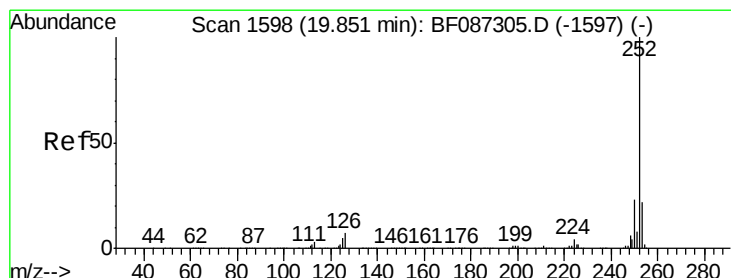
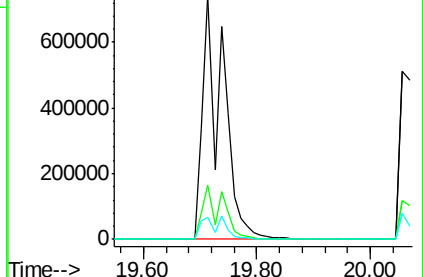
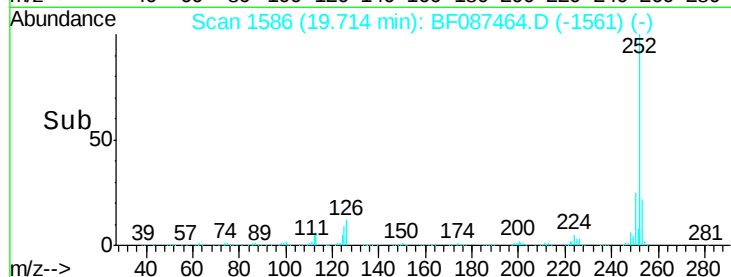
125 9.0 11.4 17.0#



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



#88

Benzo(k)fluoranthene

Concen: 83.96 ng

RT: 19.71 min Scan# 1586

Delta R.T. -0.05 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

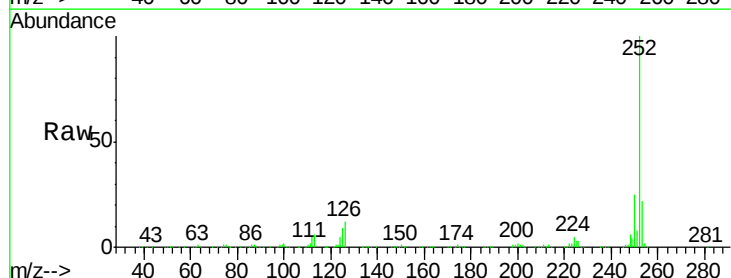
Tgt Ion:252 Resp: 1803795

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

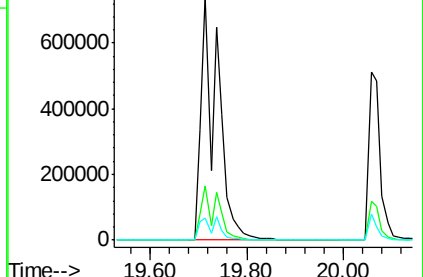
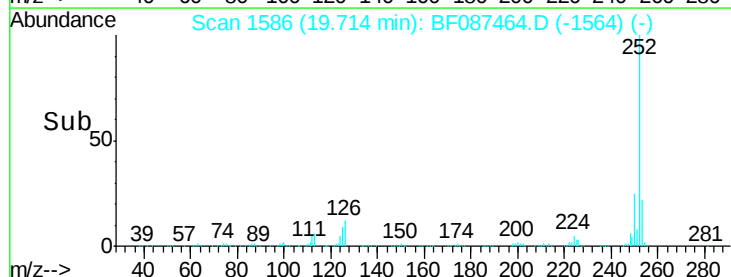
125 9.0 9.1 13.7#

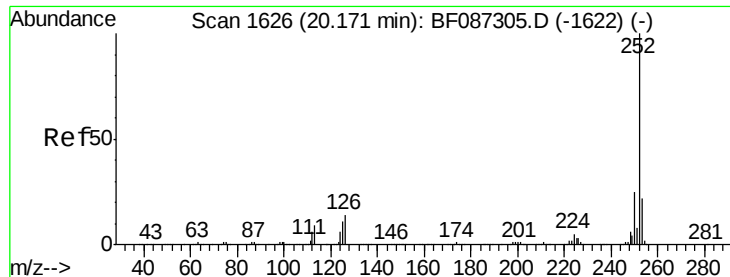


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.04 ng

RT: 20.06 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

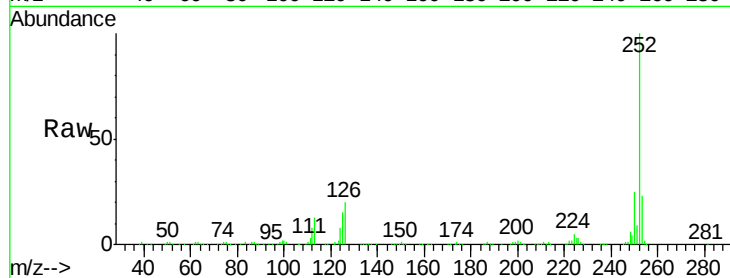
Tgt Ion:252 Resp: 842705

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

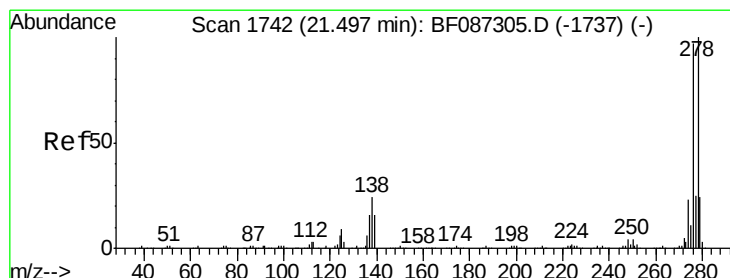
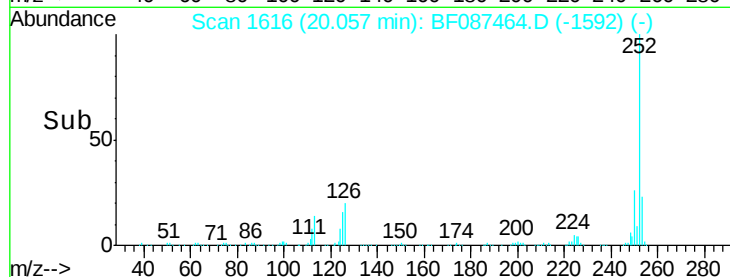
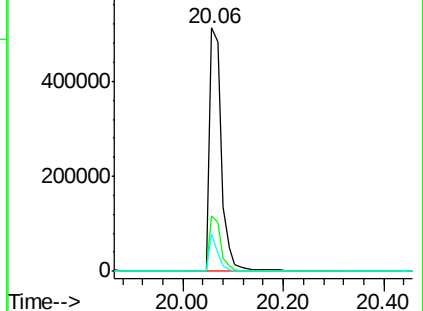
125 15.4 9.0 13.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 42.19 ng

RT: 21.34 min Scan# 1728

Delta R.T. -0.02 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

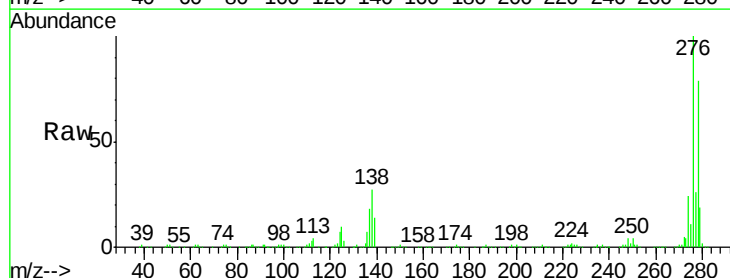
Tgt Ion:278 Resp: 776805

Ion Ratio Lower Upper

278 100

139 18.1 16.6 24.8

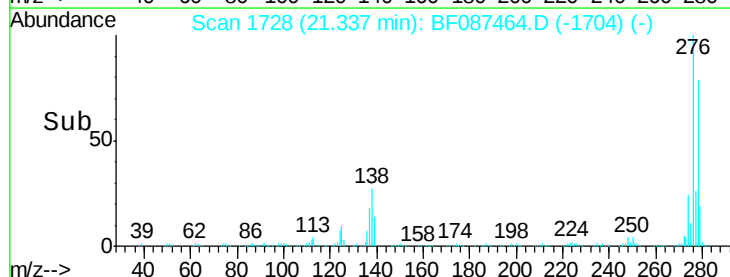
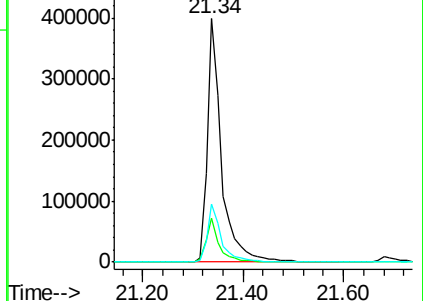
279 23.7 19.6 29.4

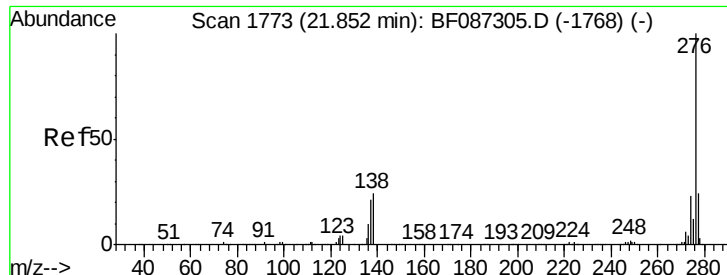


Abundance Ion 278.00 (277.70 to 278.70): E

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: 42.27 ng

RT: 21.68 min Scan# 1758

Delta R.T. -0.03 min

Lab File: BF087464.D

Acq: 28 May 2016 3:12

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

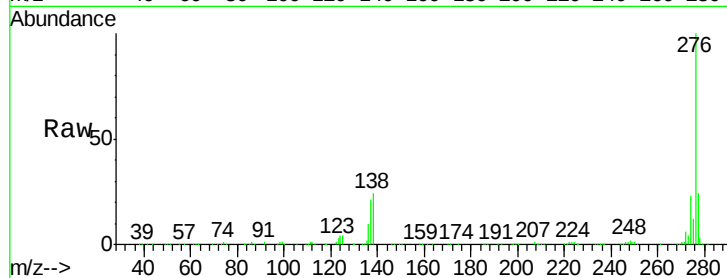
Tgt Ion: 276 Resp: 767877

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 23.8 23.6 35.4



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

