

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051716\  
 Data File : BF087113.D  
 Acq On : 17 May 2016 20:30  
 Operator : UM/SJ  
 Sample : H2945-01MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

Quant Time: May 18 01:48:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 16:55:01 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.59  | 152  | 164331   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.88  | 136  | 686090   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.63  | 164  | 335718   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.11 | 188  | 605286   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.74 | 240  | 409214   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.10 | 264  | 388278   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.21  | 112 | 1258029 | 128.68 | ng | 0.01  |
| 7) Phenol-d6                | 6.27  | 99  | 1484038 | 113.18 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 7.18  | 82  | 1198205 | 87.04  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.43 | 330 | 530028  | 142.87 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 8.97  | 172 | 1948305 | 96.11  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.70 | 244 | 1662074 | 91.88  | ng | -0.01 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.23 | 88  | 154411  | 30.70 | ng | # 69   |
| 3) Pyridine                    | 2.88 | 79  | 165202  | 13.58 | ng | # 66   |
| 4) n-Nitrosodimethylamine      | 2.76 | 42  | 339696  | 39.40 | ng | # 49   |
| 6) Aniline                     | 6.27 | 93  | 206427  | 12.39 | ng | # 1    |
| 8) 2-Chlorophenol              | 6.39 | 128 | 474474  | 39.89 | ng | 89     |
| 9) Benzaldehyde                | 6.15 | 77  | 23079   | 2.35  | ng | 97     |
| 10) Phenol                     | 6.28 | 94  | 633771  | 38.45 | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 6.34 | 93  | 459434  | 37.12 | ng | 84     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146 | 408883  | 32.34 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.76 | 146 | 411426  | 31.80 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 6.76 | 146 | 411426  | 36.33 | ng | 99     |
| 15) Benzyl Alcohol             | 6.76 | 79  | 478046  | 48.97 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.88 | 45  | 986391  | 38.77 | ng | 89     |
| 17) 2-Methylphenol             | 6.89 | 107 | 403921  | 41.35 | ng | # 80   |
| 18) Hexachloroethane           | 7.10 | 117 | 169141  | 34.20 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.03 | 70  | 385608  | 38.69 | ng | # 67   |
| 20) 3+4-Methylphenols          | 7.05 | 107 | 534893  | 41.51 | ng | # 59   |
| 22) Acetophenone               | 7.02 | 105 | 703951  | 41.93 | ng | 98     |
| 24) Nitrobenzene               | 7.19 | 77  | 546887  | 36.38 | ng | 98     |
| 25) Isophorone                 | 7.43 | 82  | 1039135 | 41.23 | ng | 98     |
| 26) 2-Nitrophenol              | 7.51 | 139 | 271178  | 43.55 | ng | # 82   |
| 27) 2,4-Dimethylphenol         | 7.56 | 122 | 429480  | 40.42 | ng | 87     |
| 28) bis(2-Chloroethoxy)methane | 7.64 | 93  | 612683  | 44.29 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.76 | 162 | 417776  | 44.62 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 7.83 | 180 | 407587  | 39.23 | ng | 98     |
| 31) Naphthalene                | 7.91 | 128 | 1414382 | 42.19 | ng | 99     |
| 32) Benzoic acid               | 7.74 | 122 | 292151  | 46.13 | ng | # 84   |
| 33) 4-Chloroaniline            | 7.98 | 127 | 143896  | 10.33 | ng | # 95   |
| 34) Hexachlorobutadiene        | 8.02 | 225 | 228935  | 38.83 | ng | 98     |
| 35) Caprolactam                | 8.36 | 113 | 73306   | 23.51 | ng | # 58   |
| 36) 4-Chloro-3-methylphenol    | 8.48 | 107 | 469656  | 41.58 | ng | 89     |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 911687  | 42.52 | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.76 | 216 | 408481  | 41.66 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.74 | 237 | 261480  | 70.13 | ng | 95     |

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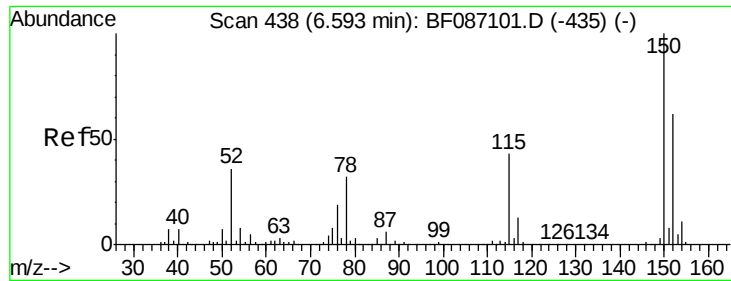
Instrument :  
 BNA\_F  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.89  | 196  | 283777   | 44.63  | ng    | 94       |
| 43) 2,4,5-Trichlorophenol      | 8.95  | 196  | 251706   | 38.10  | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.06  | 154  | 1118307  | 40.17  | ng    | 96       |
| 46) 2-Chloronaphthalene        | 9.08  | 162  | 869262   | 40.68  | ng    | 94       |
| 47) 2-Nitroaniline             | 9.20  | 65   | 373288   | 45.58  | ng    | # 81     |
| 48) Acenaphthylene             | 9.50  | 152  | 1301660  | 39.89  | ng    | 99       |
| 49) Dimethylphthalate          | 9.38  | 163  | 1112307  | 43.43  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.44  | 165  | 222492   | 40.01  | ng    | # 65     |
| 51) Acenaphthene               | 9.67  | 154  | 850364   | 41.71  | ng    | 98       |
| 52) 3-Nitroaniline             | 9.61  | 138  | 128394   | 21.33  | ng    | 88       |
| 53) 2,4-Dinitrophenol          | 9.72  | 184  | 261769   | 82.03  | ng    | # 74     |
| 54) Dibenzofuran               | 9.84  | 168  | 1141302  | 43.29  | ng    | 93       |
| 55) 4-Nitrophenol              | 9.84  | 139  | 803379   | 127.35 | ng    | # 21     |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 333639   | 46.85  | ng    | 93       |
| 57) Fluorene                   | 10.18 | 166  | 884926   | 41.78  | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.98  | 232  | 238105   | 46.28  | ng    | 96       |
| 59) Diethylphthalate           | 10.08 | 149  | 1148675  | 46.98  | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204  | 438341   | 43.66  | ng    | # 78     |
| 61) 4-Nitroaniline             | 10.23 | 138  | 232588   | 39.13  | ng    | # 68     |
| 62) Azobenzene                 | 10.34 | 77   | 1288393  | 45.73  | ng    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198  | 184222   | 46.21  | ng    | 86       |
| 65) n-Nitrosodiphenylamine     | 10.31 | 169  | 931652   | 48.91  | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.66 | 248  | 265678   | 42.68  | ng    | 98       |
| 67) Hexachlorobenzene          | 10.73 | 284  | 337162   | 46.72  | ng    | 98       |
| 68) Atrazine                   | 10.84 | 200  | 295940   | 47.63  | ng    | 96       |
| 69) Pentachlorophenol          | 10.94 | 266  | 294962   | 108.80 | ng    | 98       |
| 70) Phenanthrene               | 11.14 | 178  | 1516343  | 46.19  | ng    | 99       |
| 71) Anthracene                 | 11.19 | 178  | 1321317  | 39.79  | ng    | 99       |
| 72) Carbazole                  | 11.36 | 167  | 1336360  | 44.06  | ng    | 98       |
| 73) Di-n-butylphthalate        | 11.69 | 149  | 1721950  | 49.43  | ng    | 99       |
| 74) Fluoranthene               | 12.32 | 202  | 1486080  | 45.18  | ng    | 96       |
| 76) Benzidine                  | 12.46 | 184  | 37225    | 3.36   | ng    | 95       |
| 77) Pyrene                     | 12.55 | 202  | 1549528  | 52.42  | ng    | 100      |
| 79) Butylbenzylphthalate       | 13.18 | 149  | 721051   | 57.78  | ng    | # 87     |
| 80) Benzo(a)anthracene         | 13.73 | 228  | 1118504  | 47.27  | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.70 | 252  | 246382   | 16.36  | ng    | # 96     |
| 82) Chrysene                   | 13.77 | 228  | 1199590  | 52.40  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.74 | 149  | 840217   | 55.32  | ng    | 98       |
| 84) Di-n-octyl phthalate       | 14.34 | 149  | 1400957  | 53.54  | ng    | # 83     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.34 | 276  | 972395   | 48.39  | ng    | 95       |
| 87) Benzo(b)fluoranthene       | 14.73 | 252  | 2000259  | 77.65  | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 14.73 | 252  | 2000761  | 104.33 | ng    | 99       |
| 89) Benzo(a)pyrene             | 15.04 | 252  | 968829   | 45.00  | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 16.35 | 278  | 808354   | 44.59  | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 16.71 | 276  | 818181   | 44.69  | ng    | 94       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

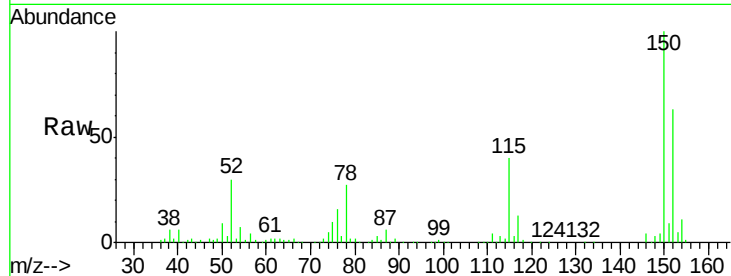
Tgt Ion:152 Resp: 164331

Ion Ratio Lower Upper

152 100

150 158.3 125.8 188.6

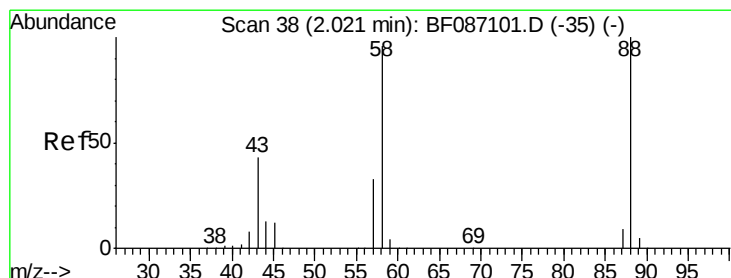
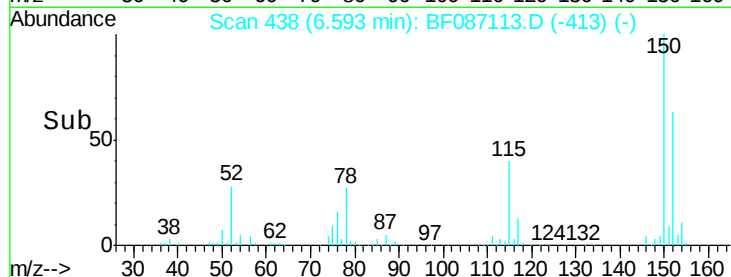
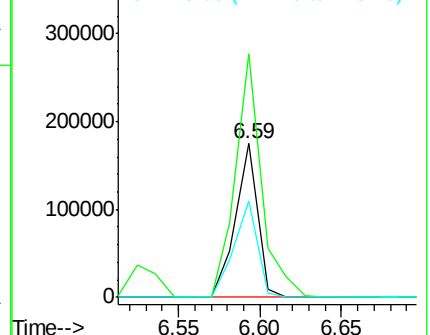
115 63.0 51.5 77.3



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



#2

1,4-Dioxane

Concen: 30.70 ng

RT: 2.23 min Scan# 56

Delta R.T. 0.17 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

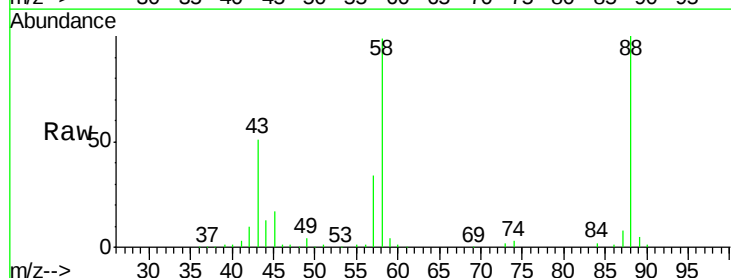
Tgt Ion: 88 Resp: 154411

Ion Ratio Lower Upper

88 100

58 94.6 59.6 89.4#

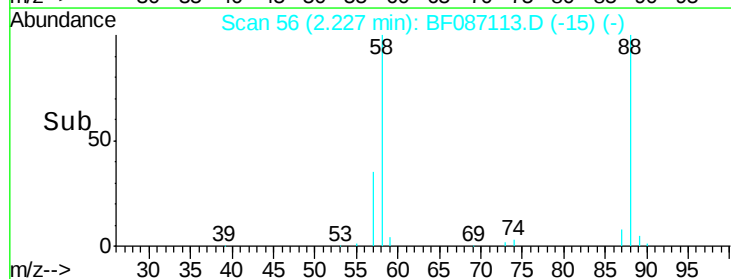
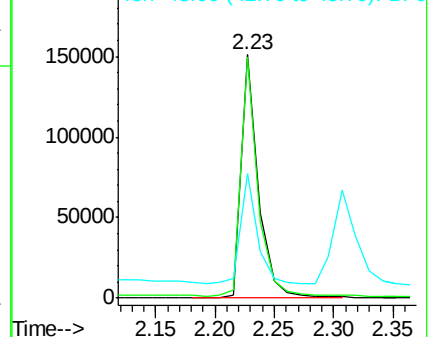
43 0.0 21.8 32.6#

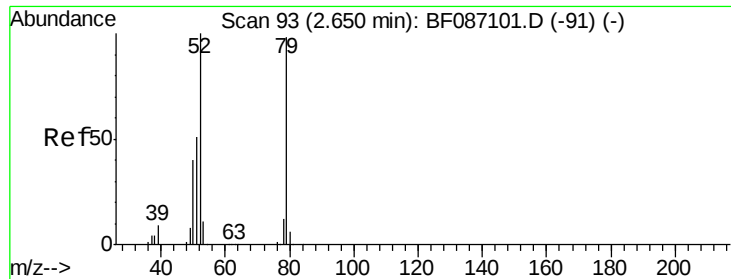


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 13.58 ng

RT: 2.88 min Scan# 113

Delta R.T. 0.19 min

Lab File: BF087113.D

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Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

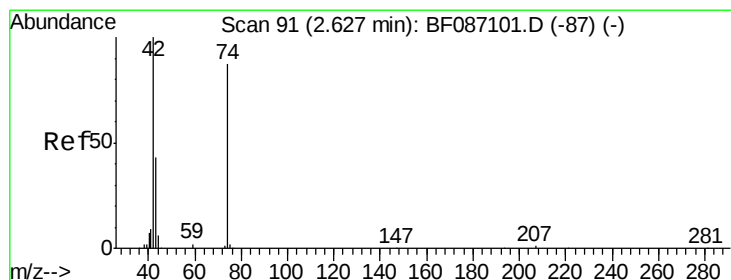
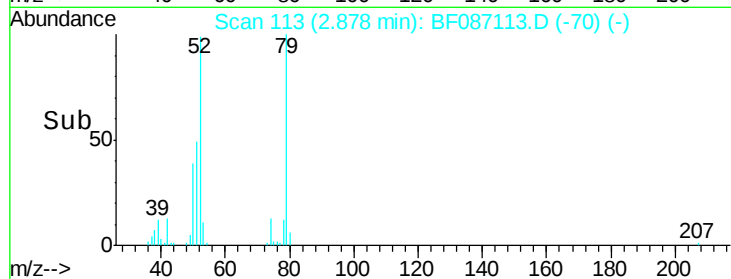
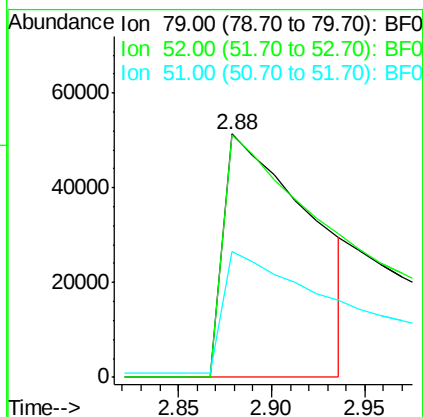
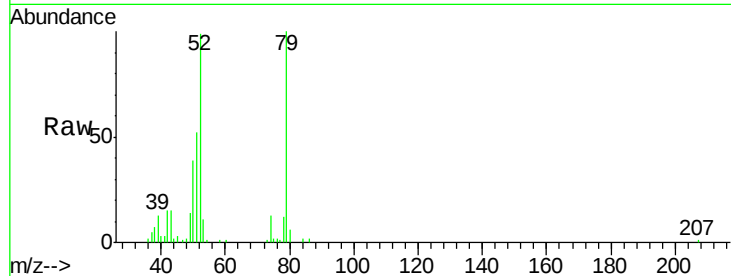
Tgt Ion: 79 Resp: 165202

Ion Ratio Lower Upper

79 100

52 99.5 55.9 83.9#

51 51.6 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 39.40 ng

RT: 2.76 min Scan# 103

Delta R.T. 0.10 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

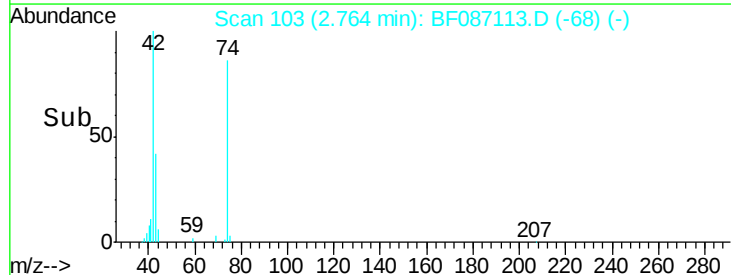
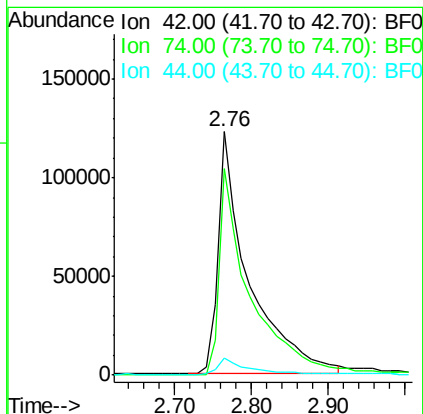
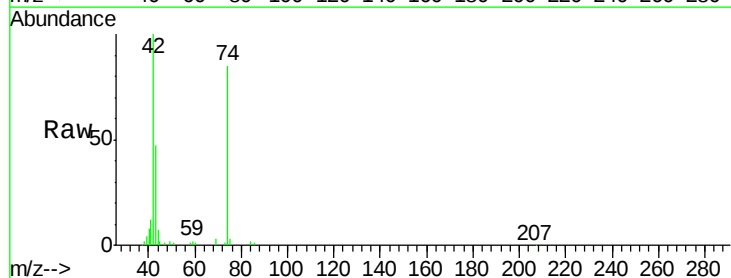
Tgt Ion: 42 Resp: 339696

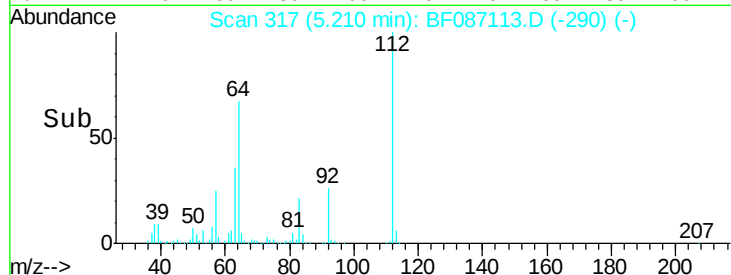
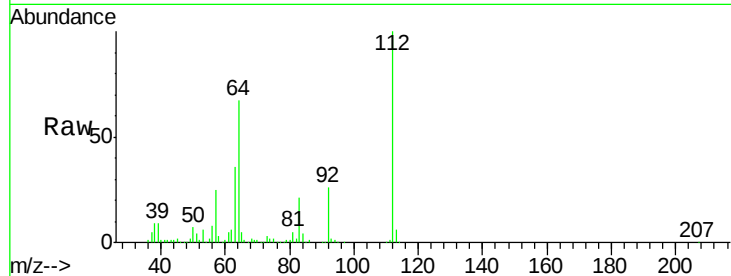
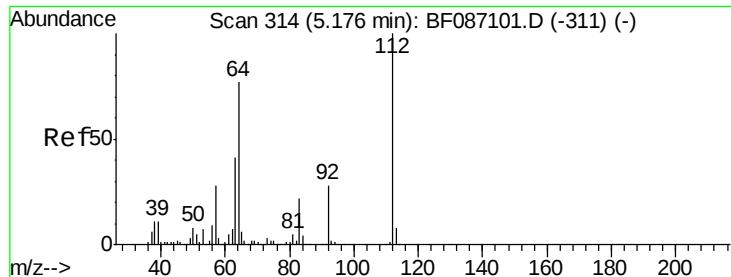
Ion Ratio Lower Upper

42 100

74 84.9 123.4 185.0#

44 6.9 5.8 8.6





#5

2-Fluorophenol

Concen: 128.68 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF087113.D

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Instrument :

BNA\_F

ClientSampleId :

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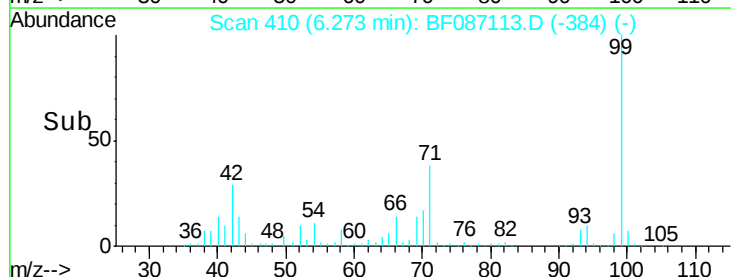
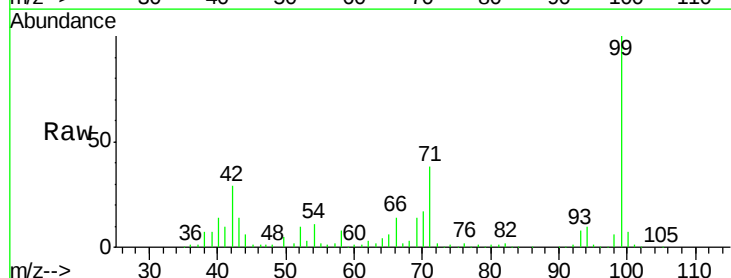
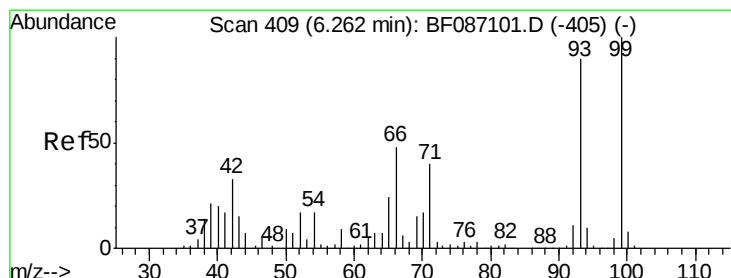
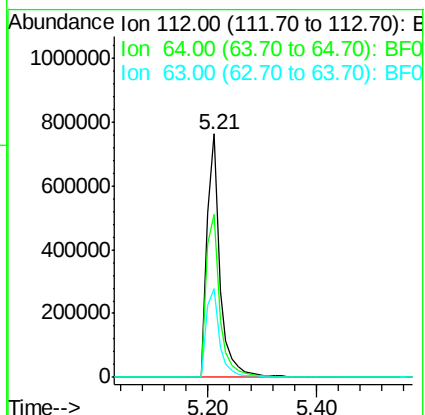
Tgt Ion:112 Resp: 1258029

Ion Ratio Lower Upper

112 100

64 67.0 52.1 78.1

63 36.5 25.7 38.5



#6

Aniline

Concen: 12.39 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

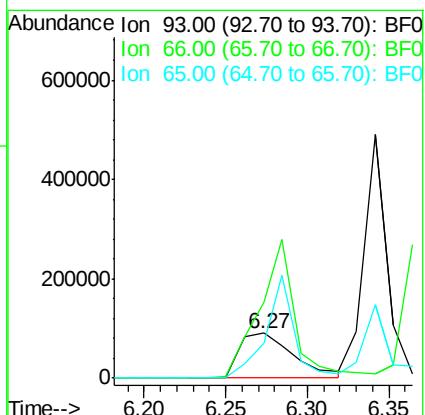
Tgt Ion: 93 Resp: 206427

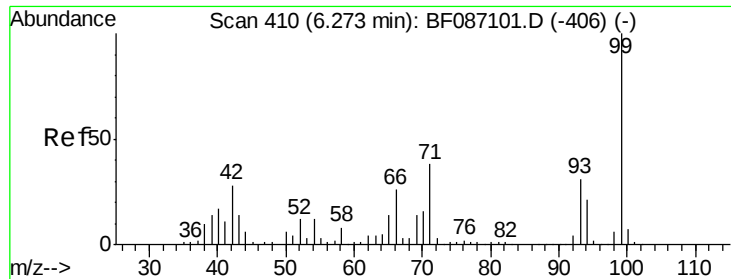
Ion Ratio Lower Upper

93 100

66 170.1 39.0 58.6#

65 79.4 20.6 31.0#





#7

Phenol-d6

Concen: 113.18 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

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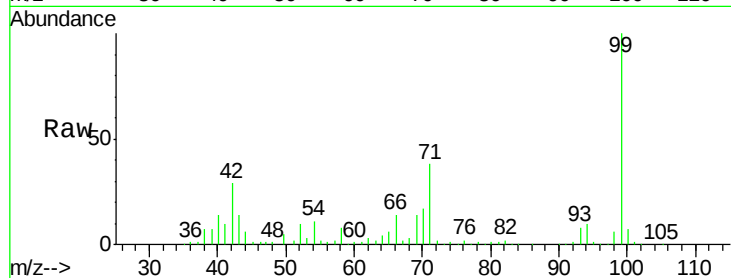
Tgt Ion: 99 Resp: 1484038

Ion Ratio Lower Upper

99 100

42 28.7 13.6 20.4#

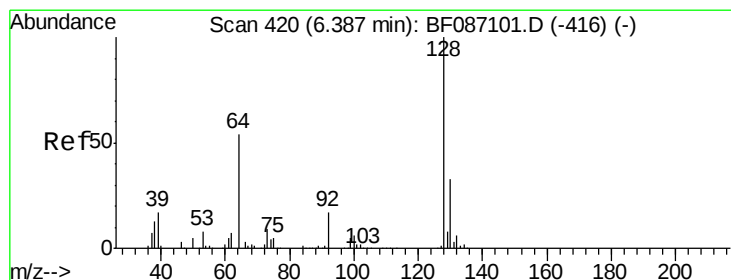
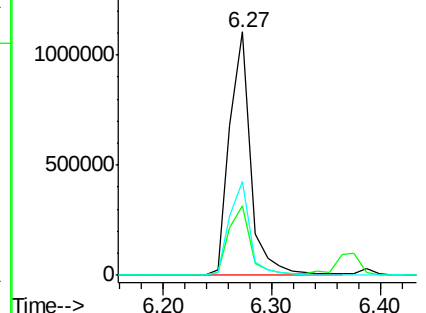
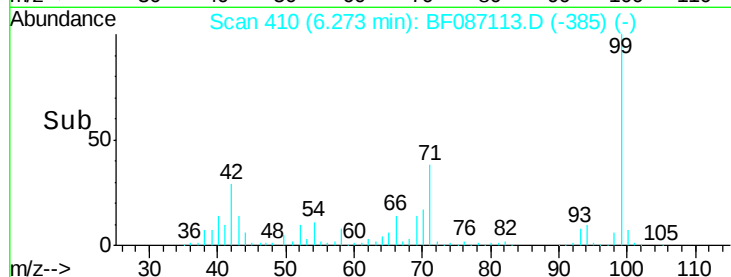
71 38.5 24.6 36.8#



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: 39.89 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

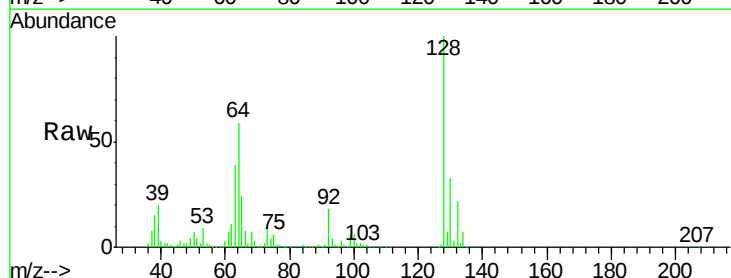
Tgt Ion: 128 Resp: 474474

Ion Ratio Lower Upper

128 100

130 32.6 12.5 52.5

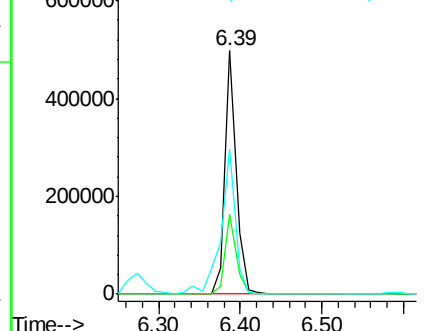
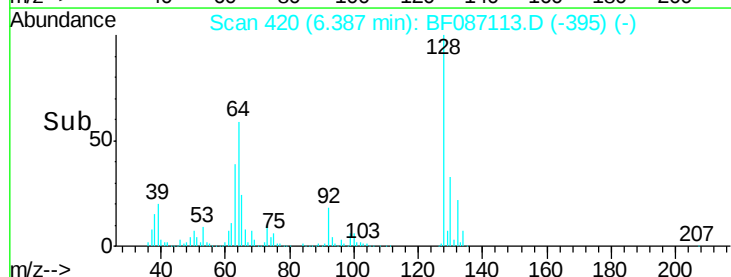
64 59.4 27.3 67.3

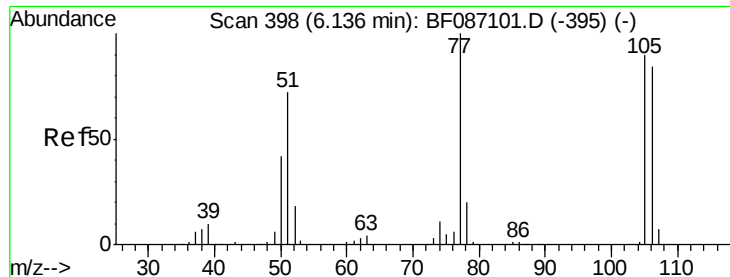


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.35 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

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Instrument :

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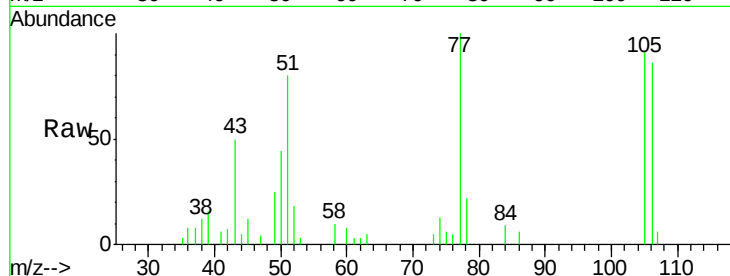
Tgt Ion: 77 Resp: 23079

Ion Ratio Lower Upper

77 100

105 90.9 72.7 112.7

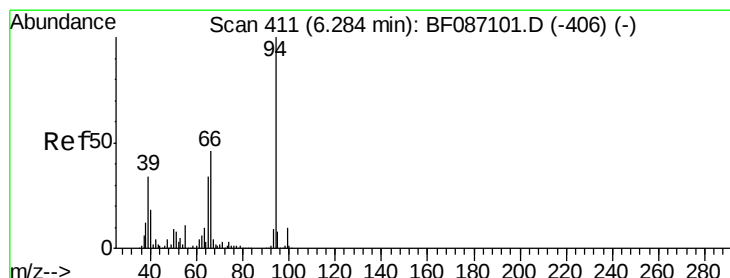
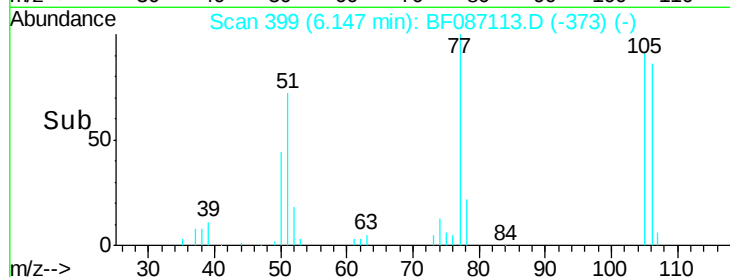
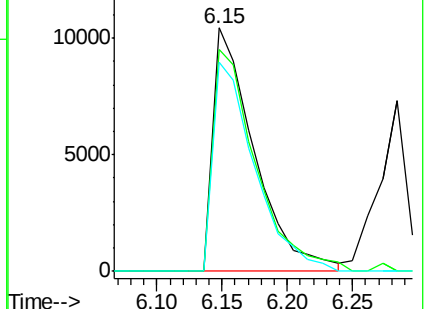
106 86.0 70.8 110.8



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: 38.45 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

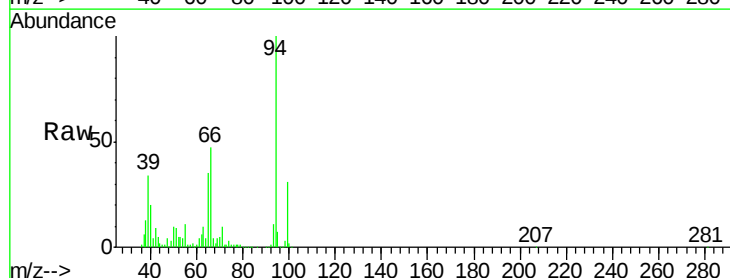
Tgt Ion: 94 Resp: 633771

Ion Ratio Lower Upper

94 100

65 34.6 7.2 47.2

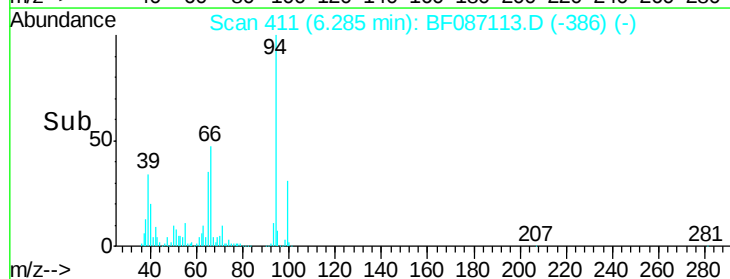
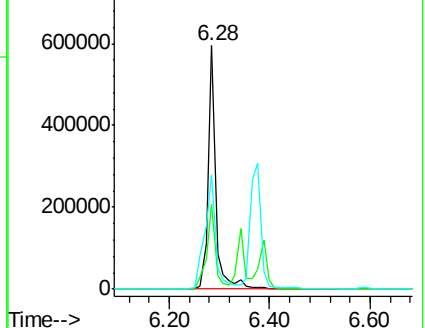
66 47.1 14.9 54.9

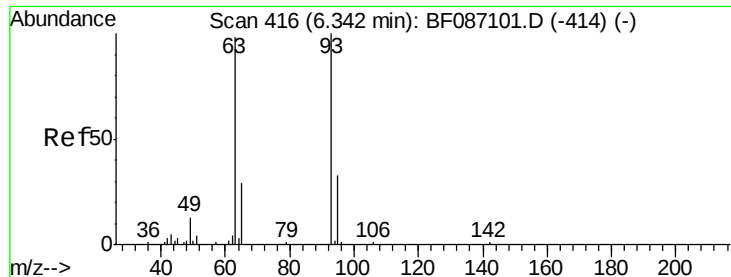


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

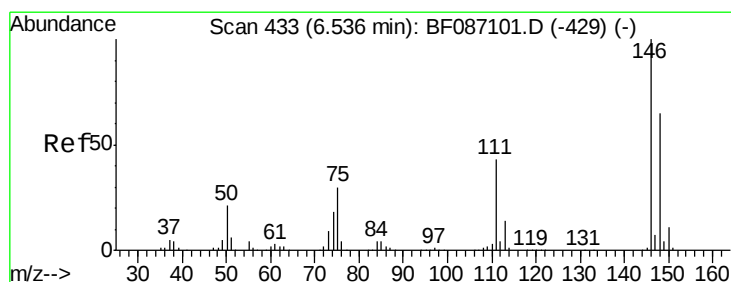
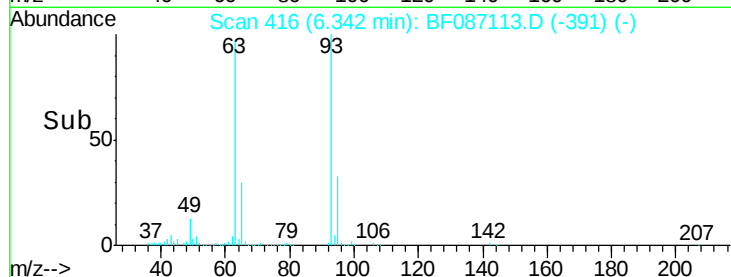
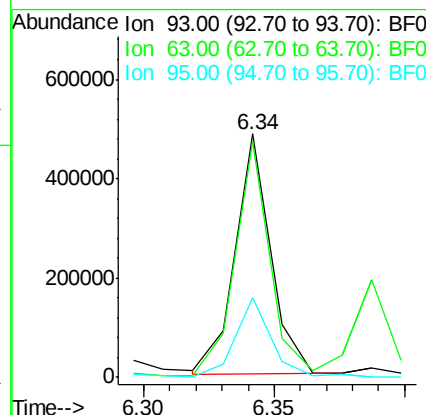
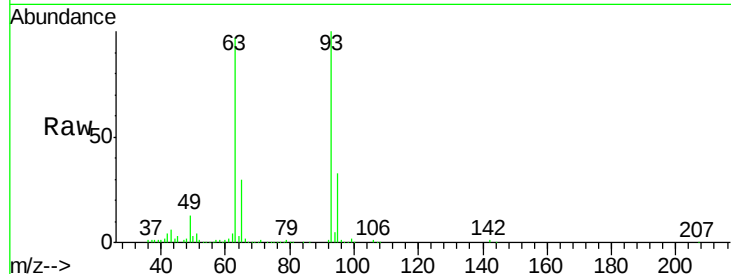




#11  
bis(2-Chloroethyl)ether  
Concen: 37.12 ng  
RT: 6.34 min Scan# 416  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

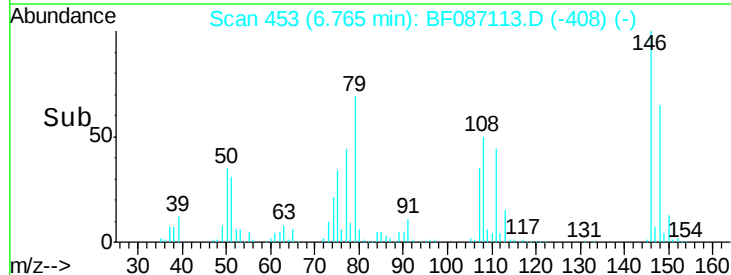
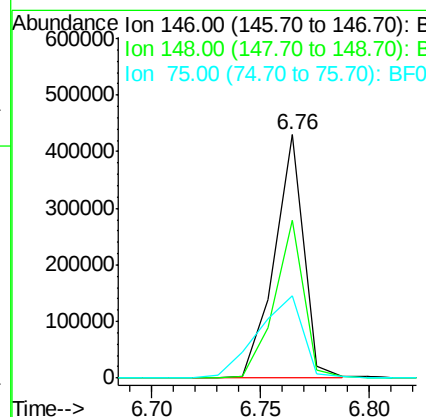
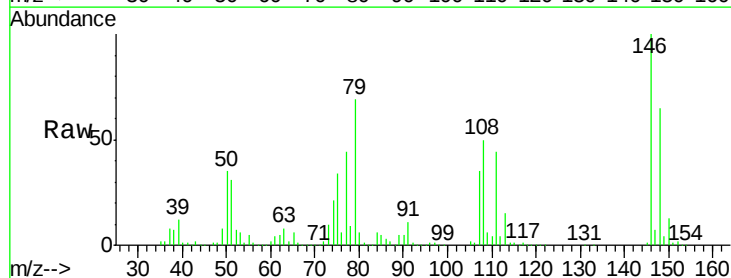
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

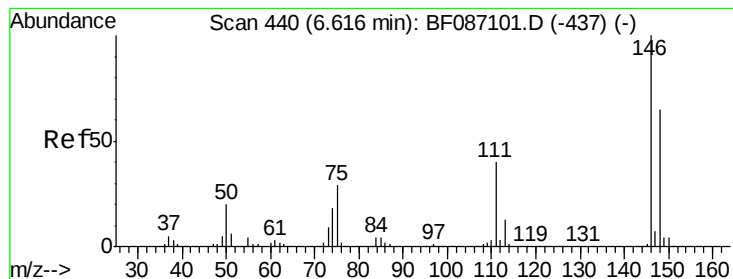
Tgt Ion: 93 Resp: 459434  
Ion Ratio Lower Upper  
93 100  
63 96.7 58.0 98.0  
95 32.7 11.9 51.9



#12  
1,3-Dichlorobenzene  
Concen: 32.34 ng  
RT: 6.76 min Scan# 453  
Delta R.T. 0.22 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion: 146 Resp: 408883  
Ion Ratio Lower Upper  
146 100  
148 64.6 52.4 78.6  
75 33.7 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 31.80 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.14 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

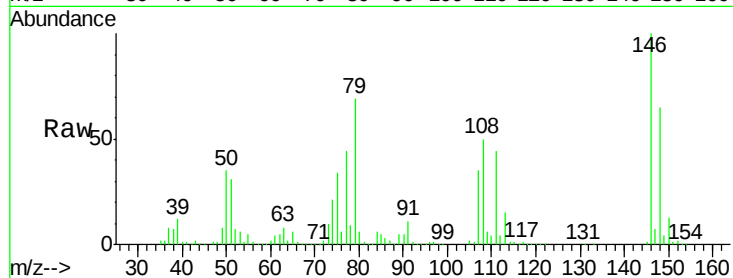
Tgt Ion:146 Resp: 411426

Ion Ratio Lower Upper

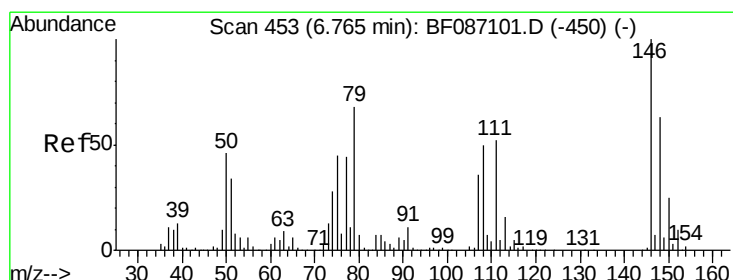
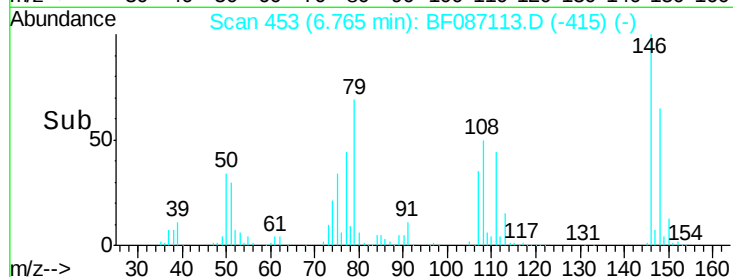
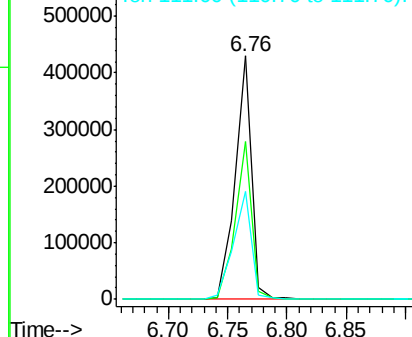
146 100

148 64.6 52.2 78.4

111 44.2 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: 36.33 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

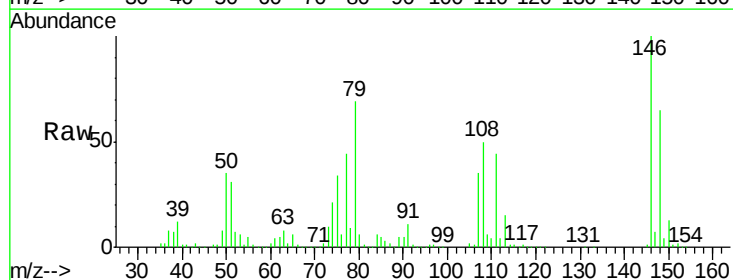
Tgt Ion:146 Resp: 411426

Ion Ratio Lower Upper

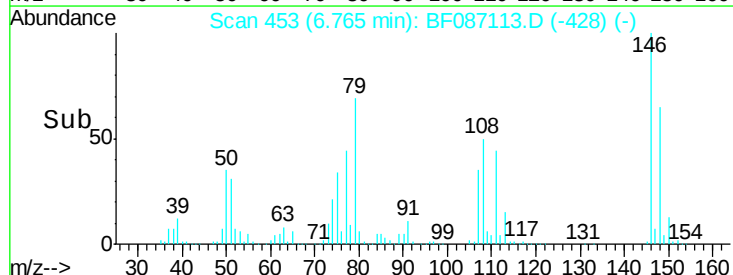
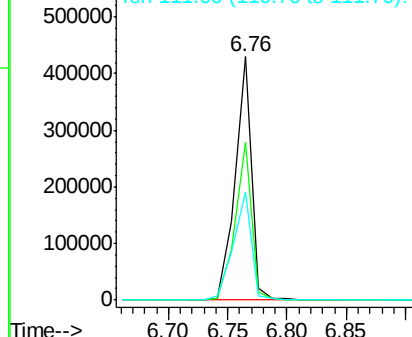
146 100

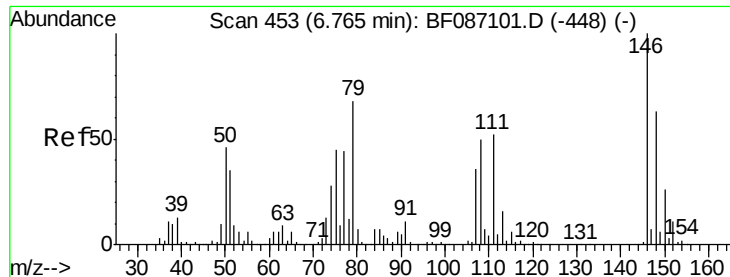
148 64.6 51.0 76.6

111 44.2 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: 48.97 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

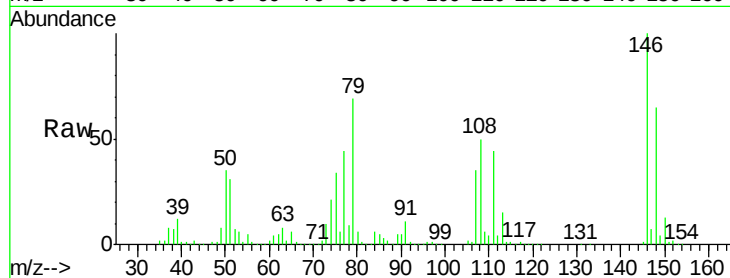
Tgt Ion: 79 Resp: 478046

Ion Ratio Lower Upper

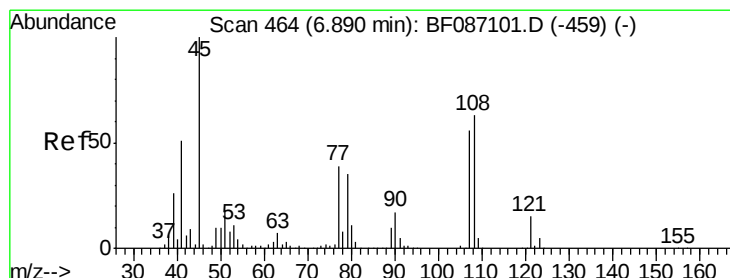
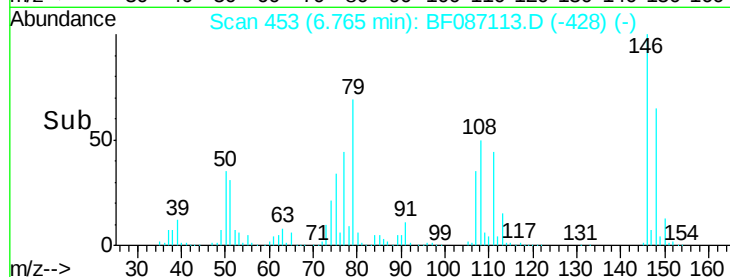
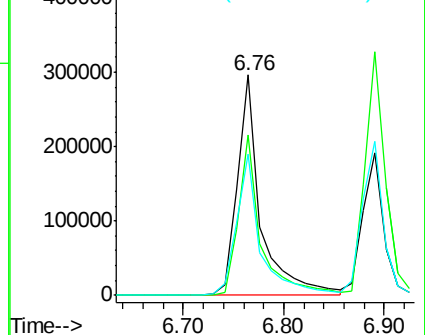
79 100

108 73.2 68.4 102.6

77 64.0 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0  
Ion 108.00 (107.70 to 108.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.77 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

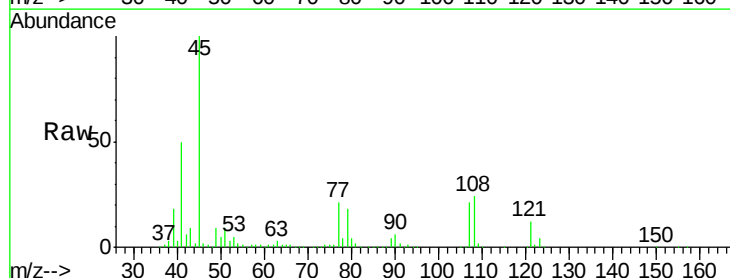
Tgt Ion: 45 Resp: 986391

Ion Ratio Lower Upper

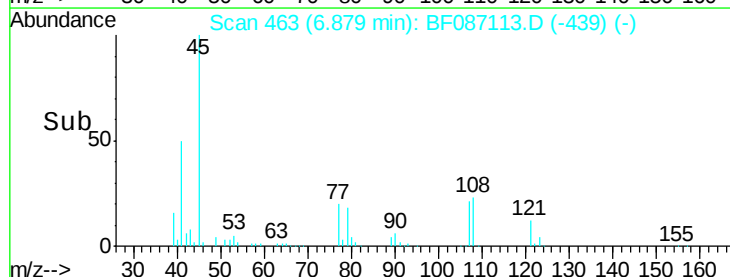
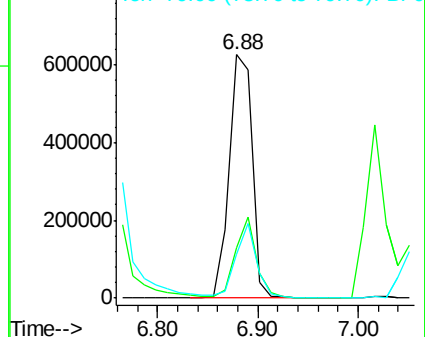
45 100

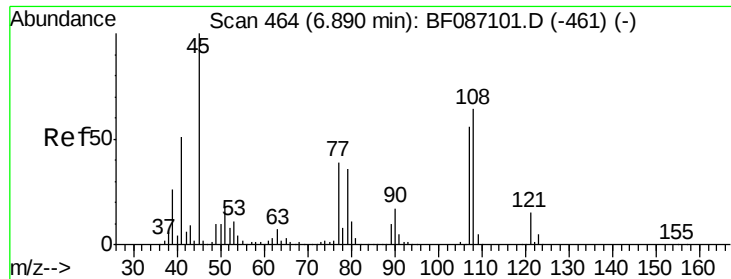
77 20.8 0.0 36.4

79 18.1 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

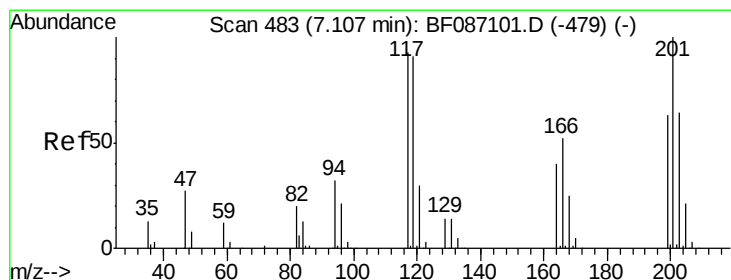
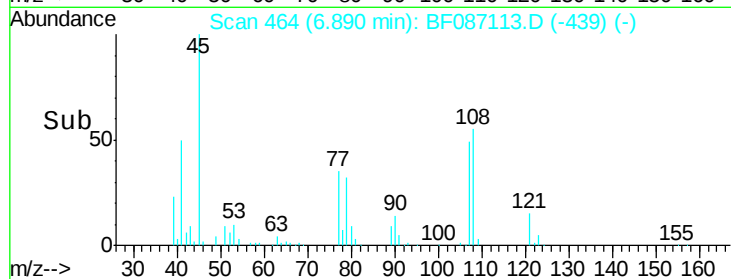
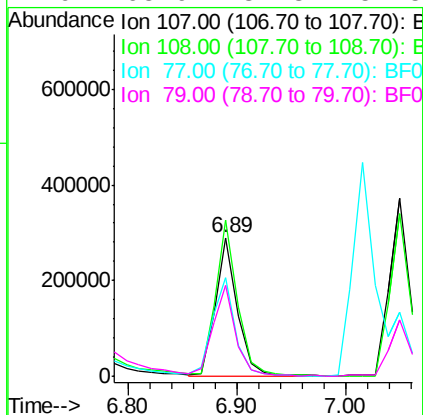
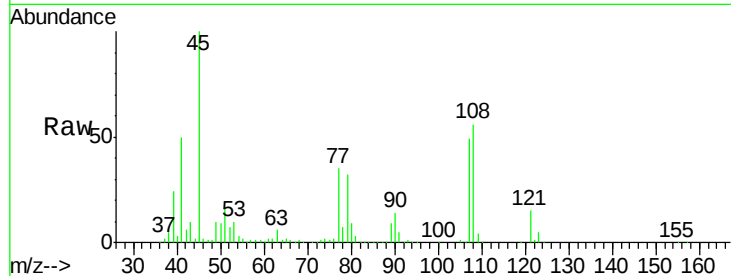




#17  
2-Methylphenol  
Concen: 41.35 ng  
RT: 6.89 min Scan# 464  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

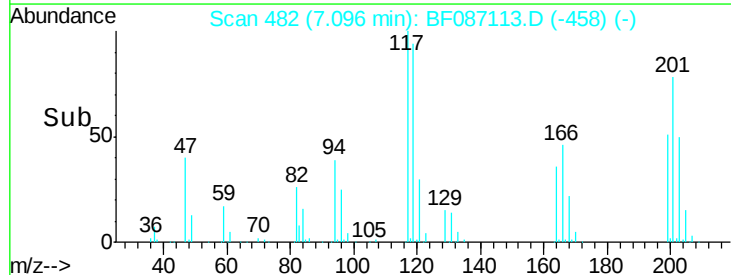
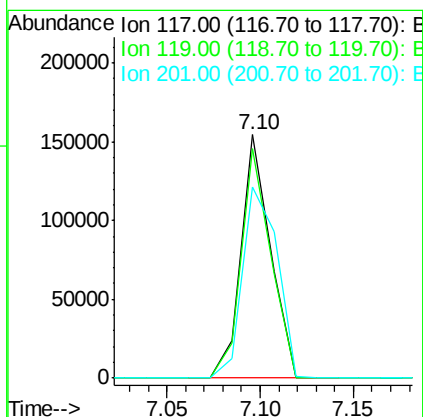
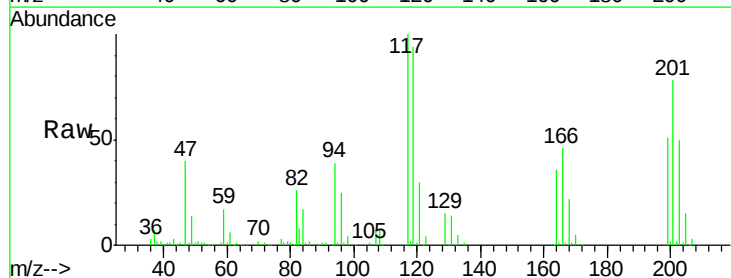
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

Tgt Ion:107 Resp: 403921  
Ion Ratio Lower Upper  
107 100  
108 112.8 93.7 140.5  
77 71.3 33.4 50.0#  
79 65.9 34.3 51.5#



#18  
Hexachloroethane  
Concen: 34.20 ng  
RT: 7.10 min Scan# 482  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:117 Resp: 169141  
Ion Ratio Lower Upper  
117 100  
119 94.3 76.5 114.7  
201 78.3 63.0 94.6

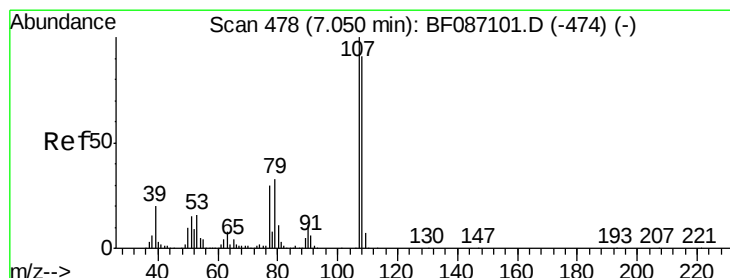
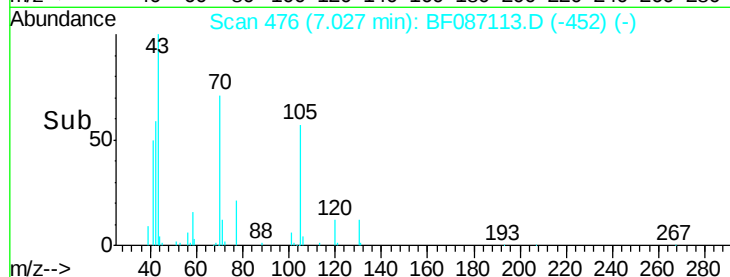
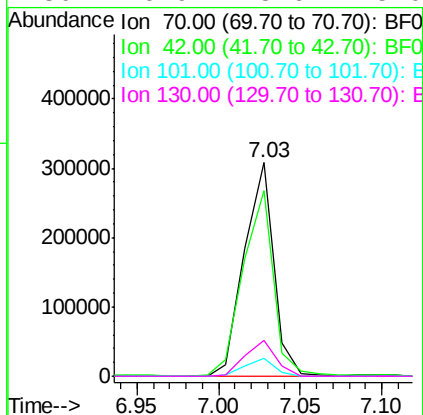
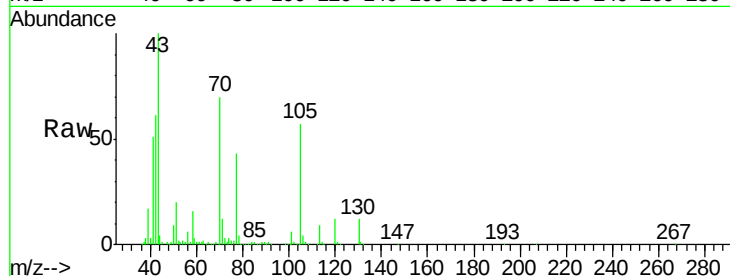




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.69 ng  
RT: 7.03 min Scan# 476  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

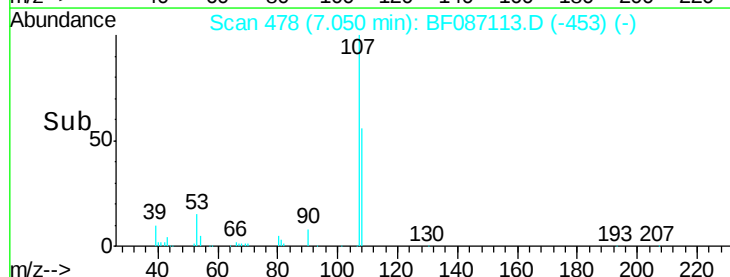
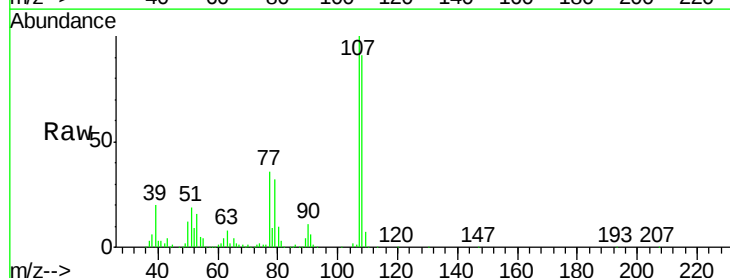
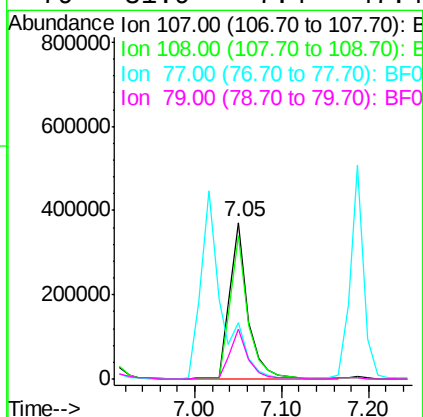
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

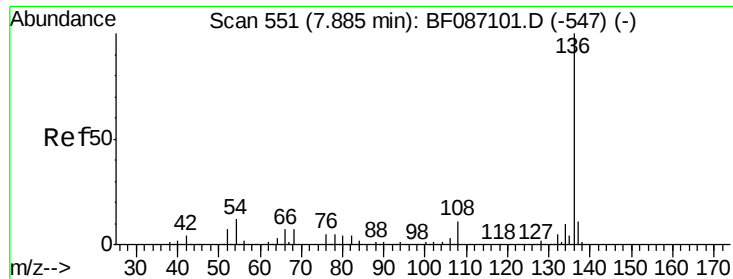
Tgt Ion: 70 Resp: 385608  
Ion Ratio Lower Upper  
70 100  
42 87.0 43.1 64.7#  
101 8.4 8.1 12.1  
130 16.9 18.6 28.0#



#20  
3+4-Methylphenols  
Concen: 41.51 ng  
RT: 7.05 min Scan# 478  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:107 Resp: 534893  
Ion Ratio Lower Upper  
107 100  
108 91.3 68.5 108.5  
77 36.3 101.6 141.6#  
79 31.9 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

Tgt Ion:136 Resp: 686090

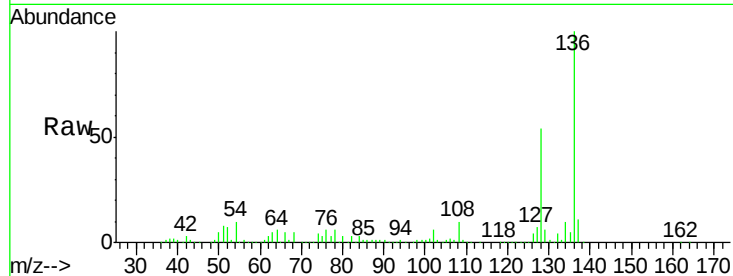
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.7 5.0 7.4#

68 5.4 4.4 6.6

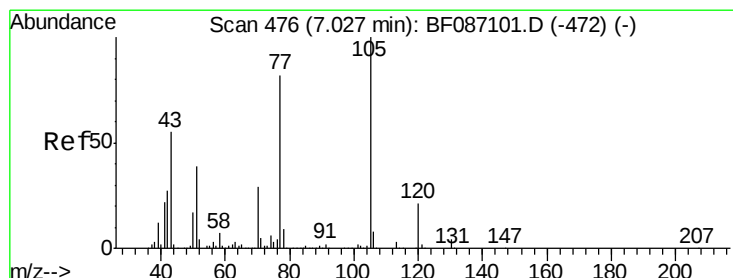
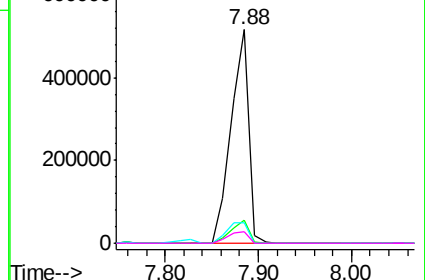
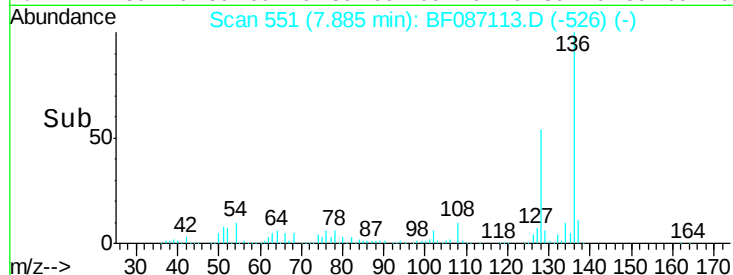


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.93 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Tgt Ion:105 Resp: 703951

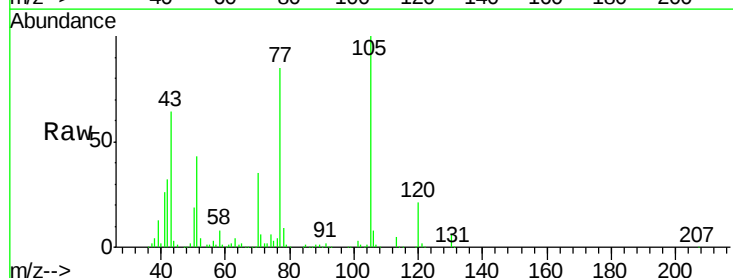
Ion Ratio Lower Upper

105 100

71 5.8 4.8 7.2

51 42.7 32.6 49.0

120 20.5 16.5 24.7

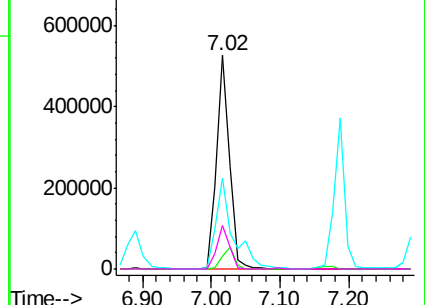
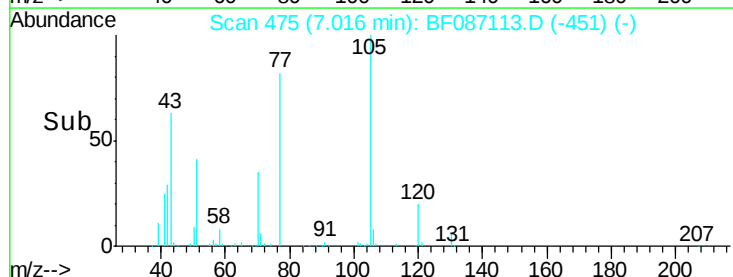


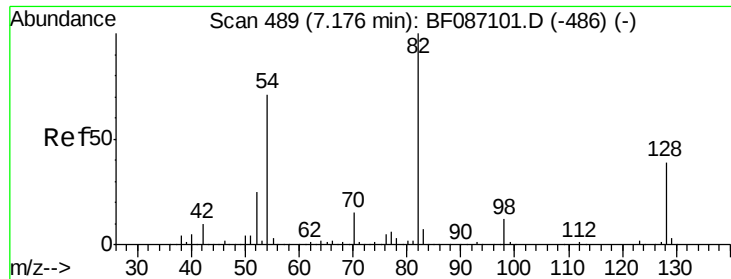
Abundance Ion 105.00 (104.70 to 105.70): E

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

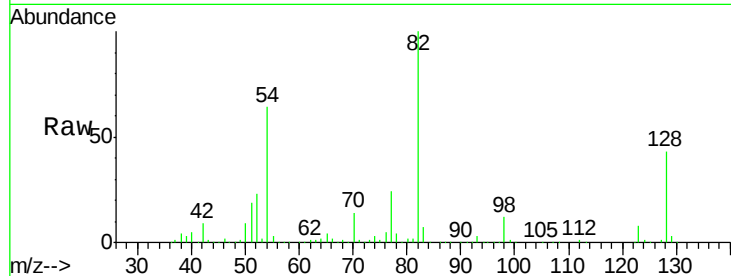




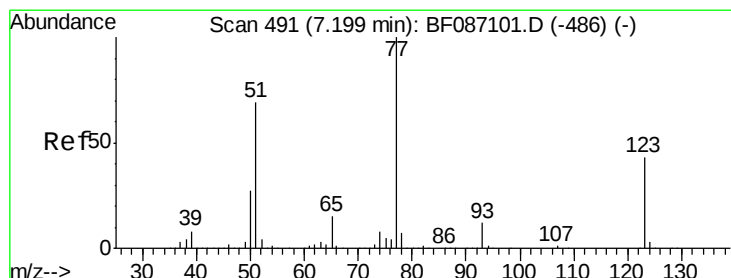
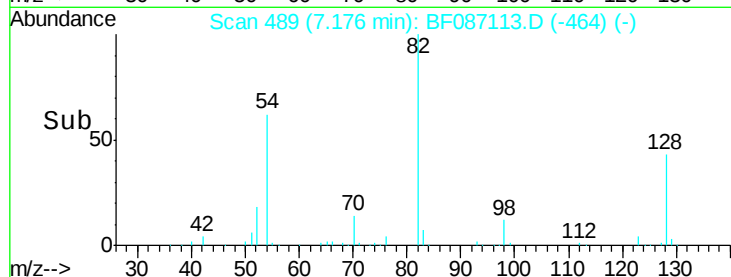
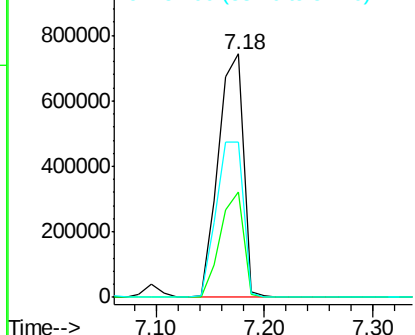
#23  
Nitrobenzene-d5  
Concen: 87.04 ng  
RT: 7.18 min Scan# 489  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

Tgt Ion: 82 Resp: 1198205  
Ion Ratio Lower Upper  
82 100  
128 43.3 40.6 61.0  
54 63.9 38.1 57.1#

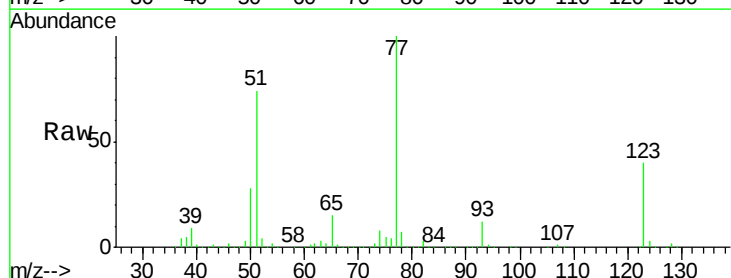


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

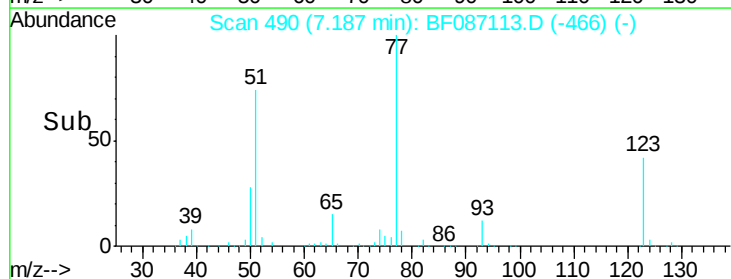
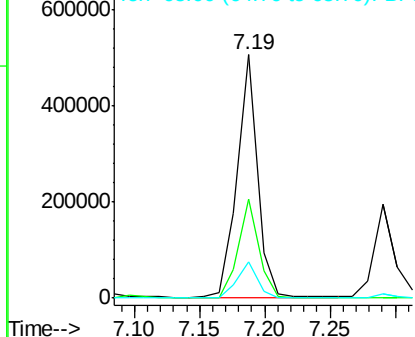


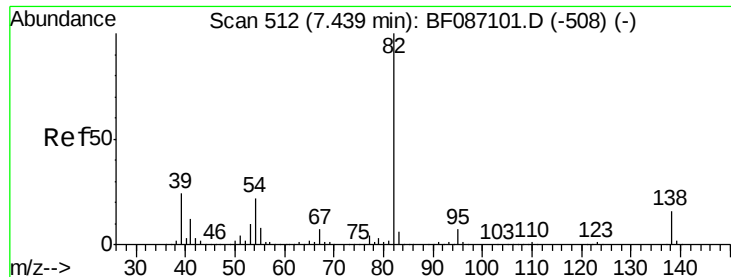
#24  
Nitrobenzene  
Concen: 36.38 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion: 77 Resp: 546887  
Ion Ratio Lower Upper  
77 100  
123 40.4 33.0 49.4  
65 14.9 10.8 16.2



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 123.00 (122.70 to 123.70): B  
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 41.23 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

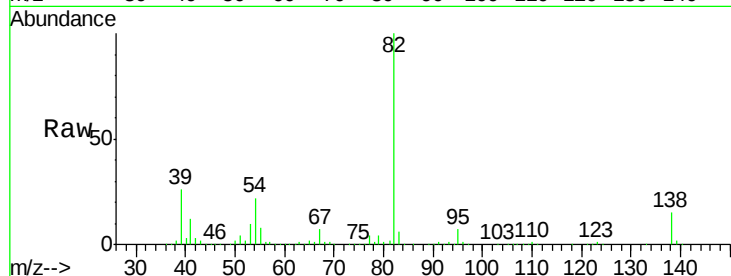
Tgt Ion: 82 Resp: 1039135

Ion Ratio Lower Upper

82 100

95 7.3 5.1 7.7

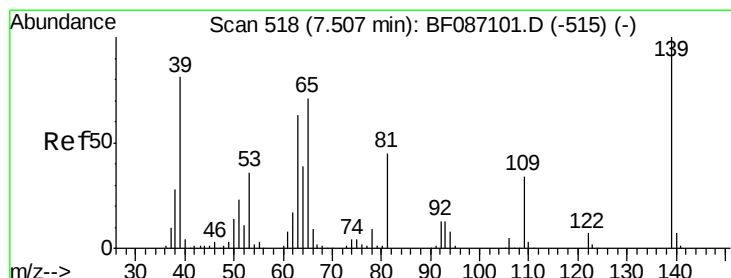
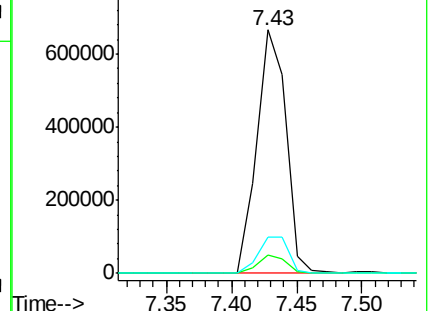
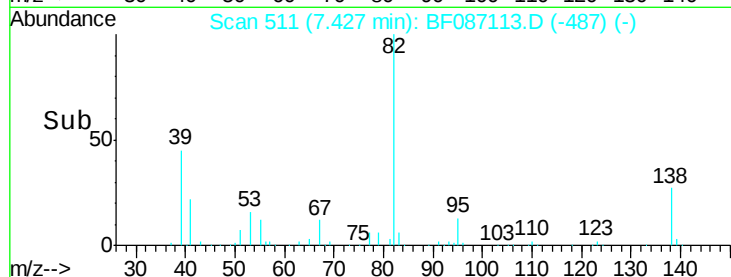
138 15.0 12.4 18.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 43.55 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

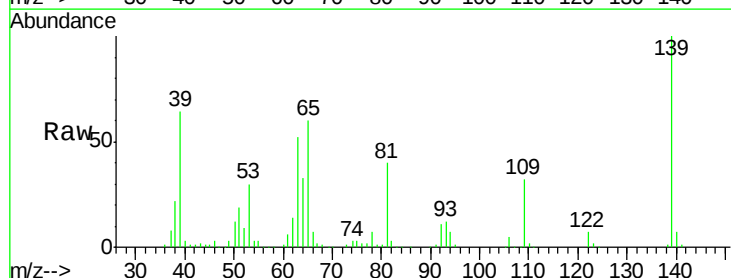
Tgt Ion: 139 Resp: 271178

Ion Ratio Lower Upper

139 100

109 31.5 19.5 29.3#

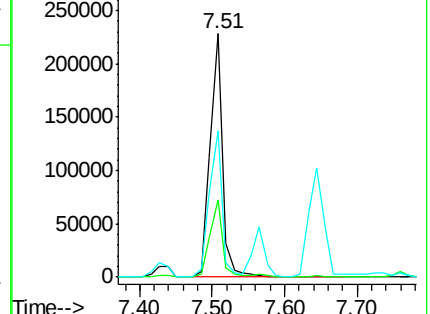
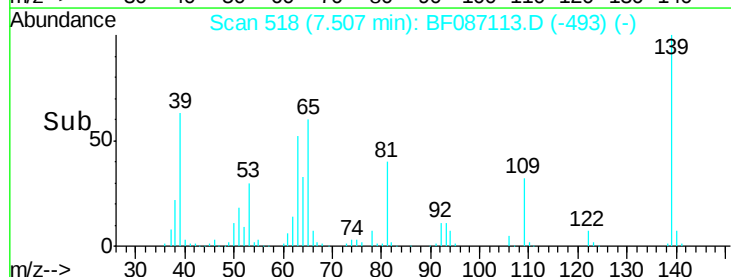
65 59.9 37.5 56.3#

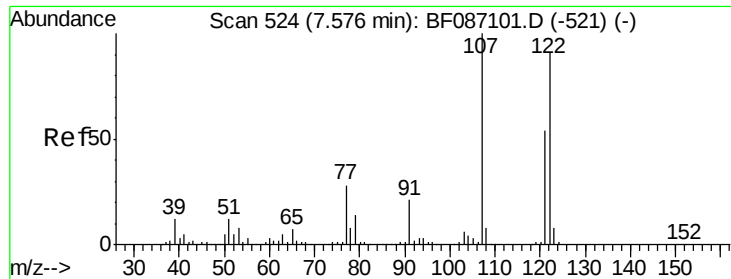


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

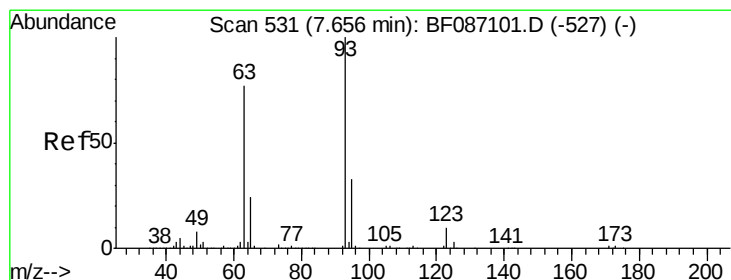
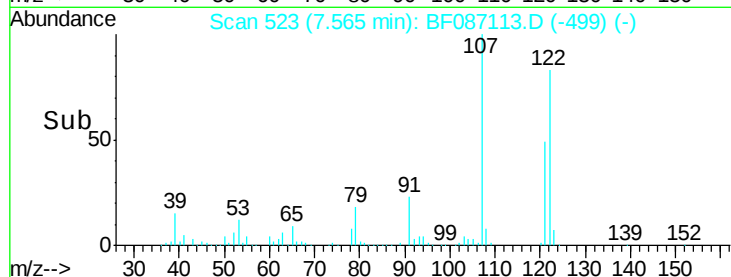
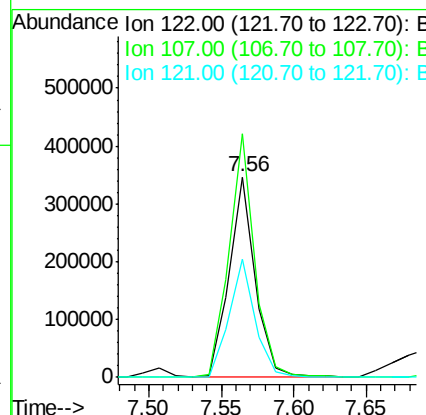
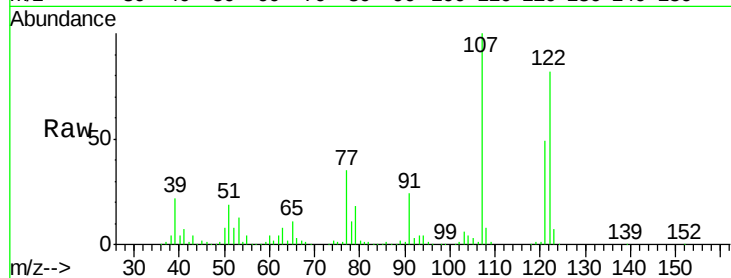




#27  
2,4-Dimethylphenol  
Concen: 40.42 ng  
RT: 7.56 min Scan# 523  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

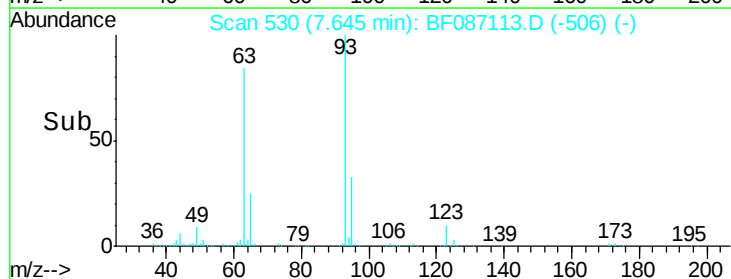
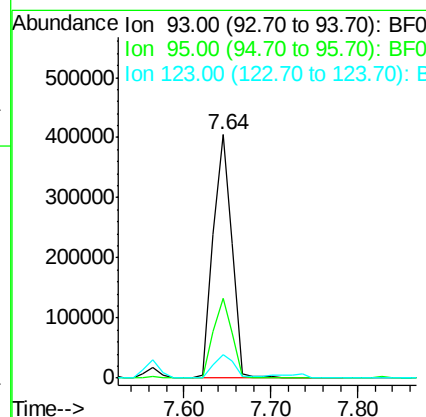
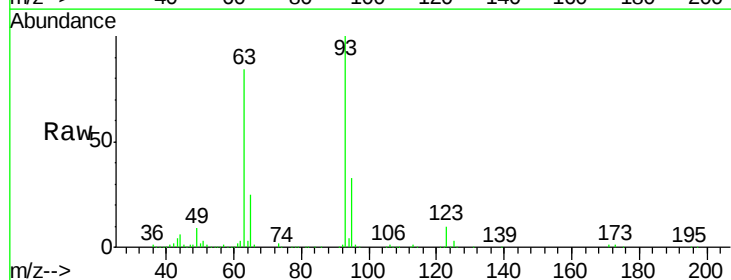
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

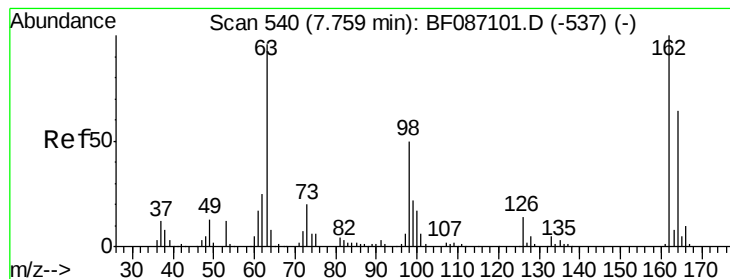
Tgt Ion:122 Resp: 429480  
Ion Ratio Lower Upper  
122 100  
107 121.4 82.0 123.0  
121 59.2 46.1 69.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.29 ng  
RT: 7.64 min Scan# 530  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion: 93 Resp: 612683  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.0 39.0  
123 9.7 9.5 14.3

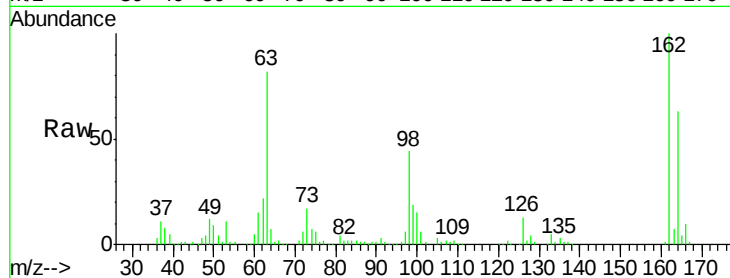




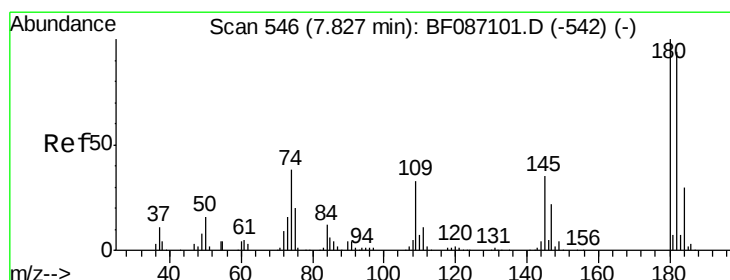
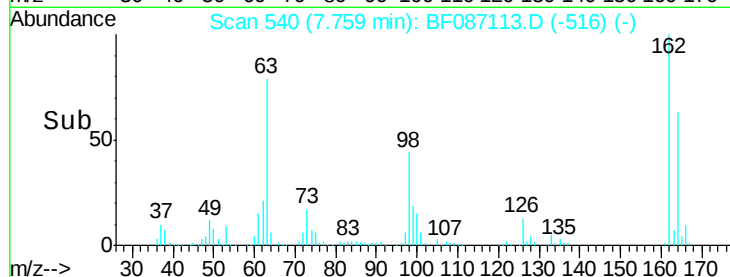
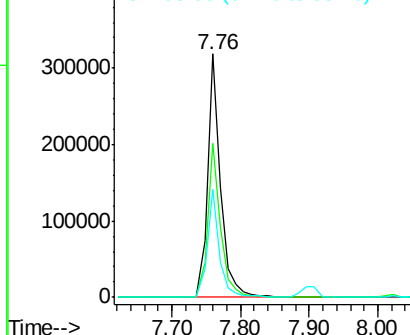
#29  
 2,4-Dichlorophenol  
 Concen: 44.62 ng  
 RT: 7.76 min Scan# 540  
 Delta R.T. -0.02 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.3  | 42.2  | 82.2  |
| 98      | 44.2  | 19.0  | 59.0  |

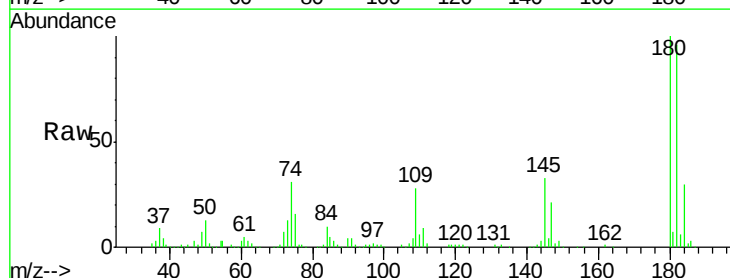


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF0

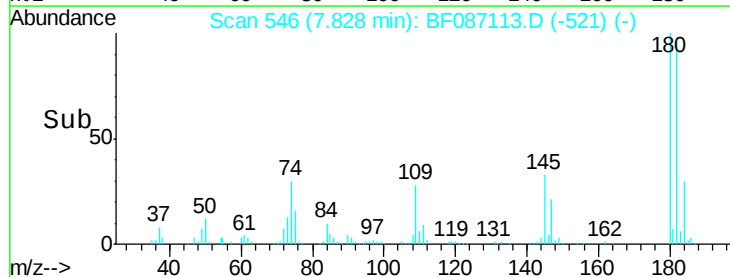
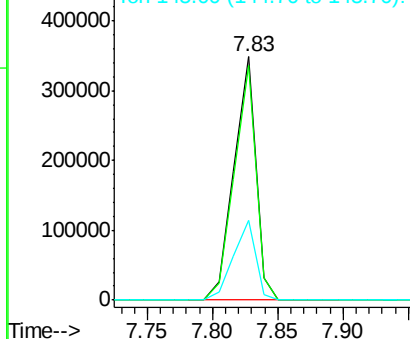


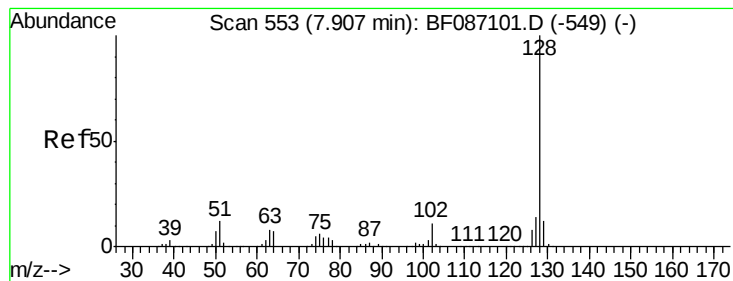
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.23 ng  
 RT: 7.83 min Scan# 546  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 78.0  | 117.0 |
| 145     | 32.7  | 24.2  | 36.2  |



Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.19 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

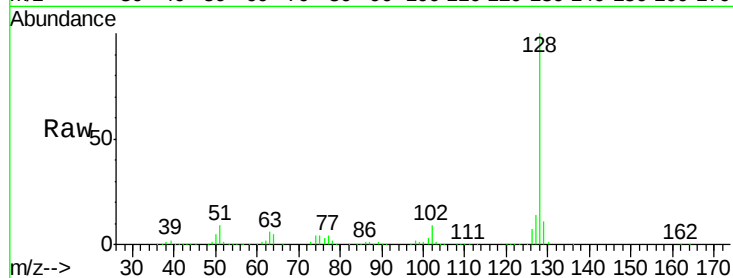
Tgt Ion:128 Resp: 1414382

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

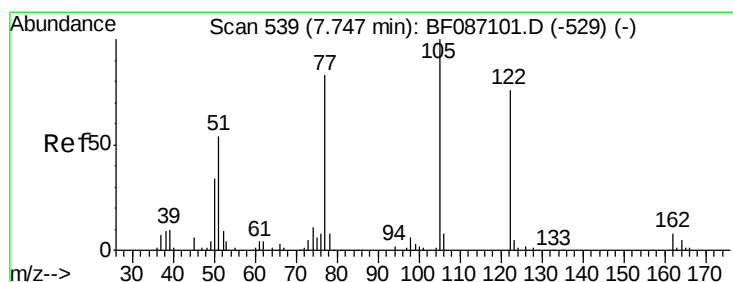
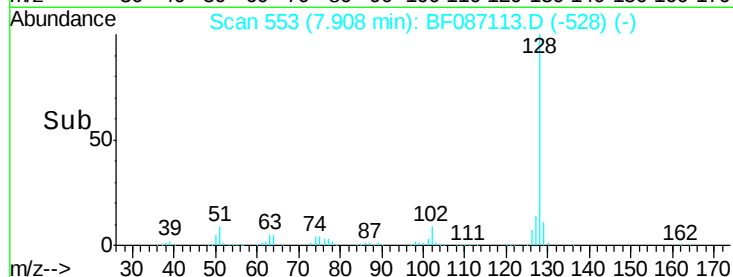
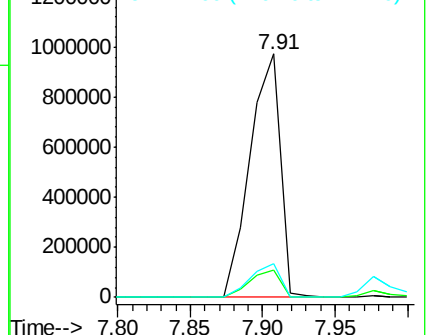
127 13.7 10.8 16.2



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: 46.13 ng

RT: 7.74 min Scan# 538

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

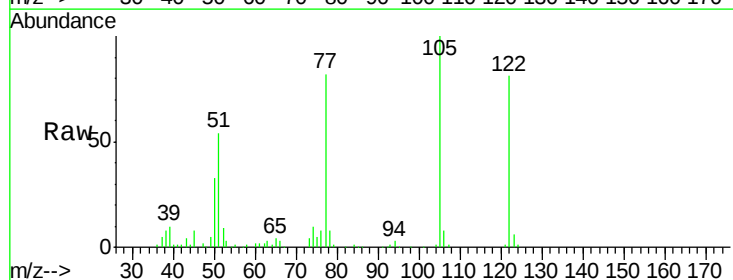
Tgt Ion:122 Resp: 292151

Ion Ratio Lower Upper

122 100

105 123.2 92.6 132.6

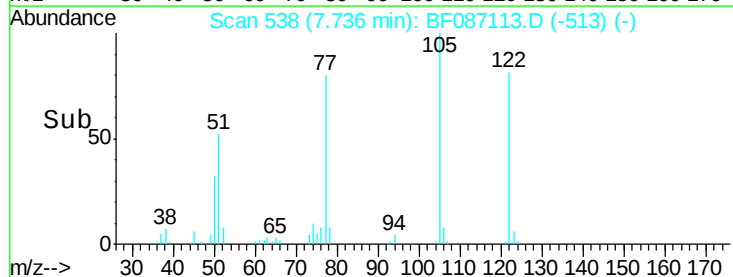
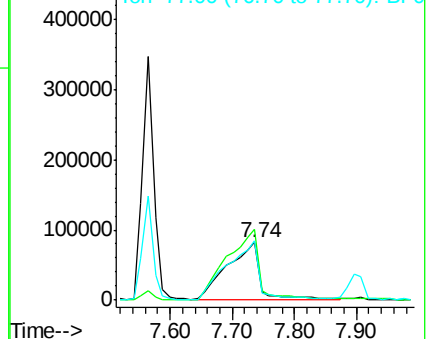
77 101.4 60.0 100.0#

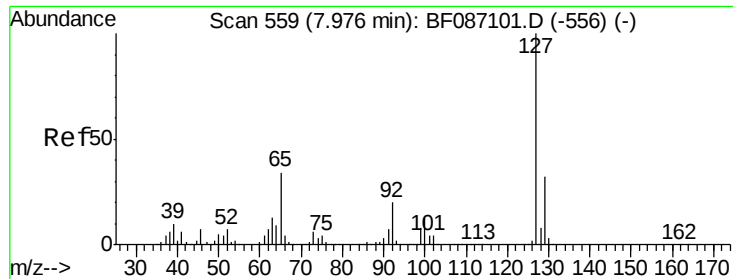


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

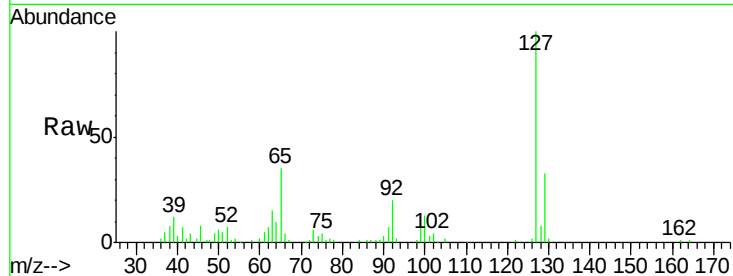




#33  
4-Chloroaniline  
Concen: 10.33 ng  
RT: 7.98 min Scan# 559  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 143896 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 26.2  | 39.4   |
| 65       | 35.0  | 23.0  | 34.4   |
| 92       | 19.7  | 15.1  | 22.7   |



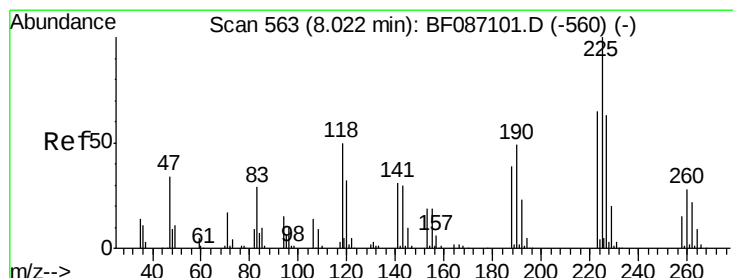
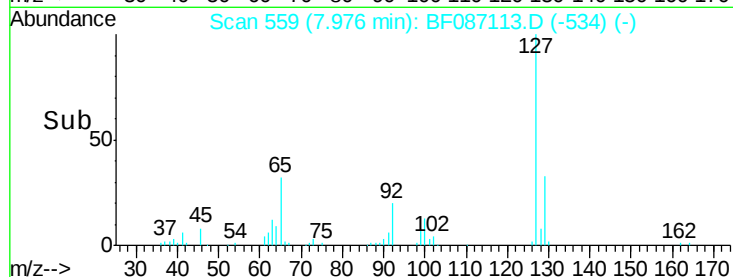
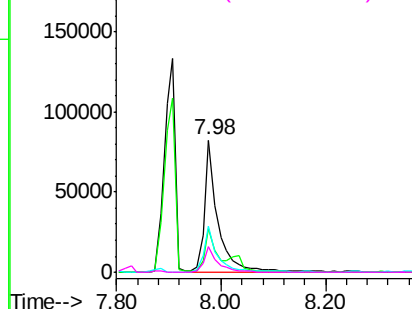
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

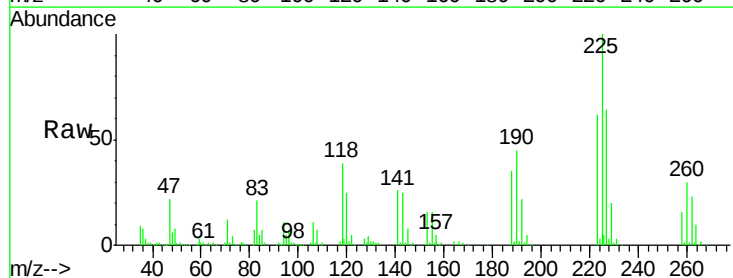
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34  
Hexachlorobutadiene  
Concen: 38.83 ng  
RT: 8.02 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 228935 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 51.5  | 77.3   |
| 227      | 63.8  | 52.2  | 78.2   |

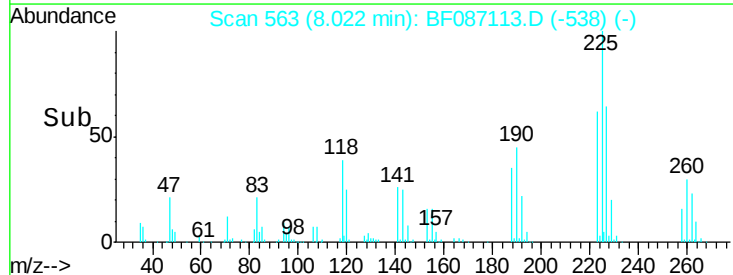
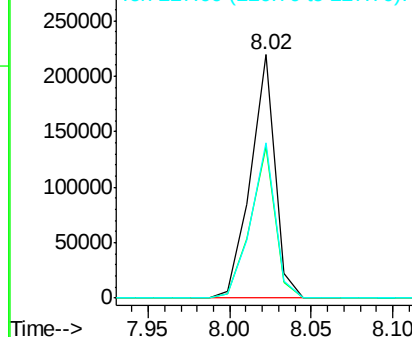


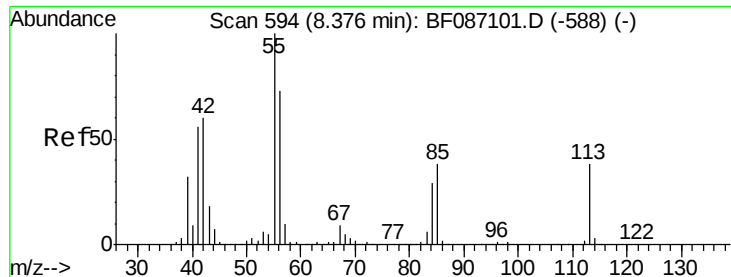
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

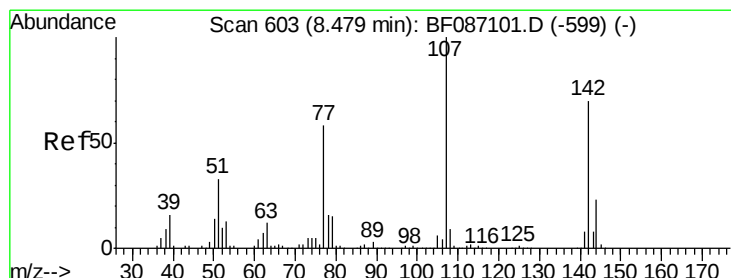
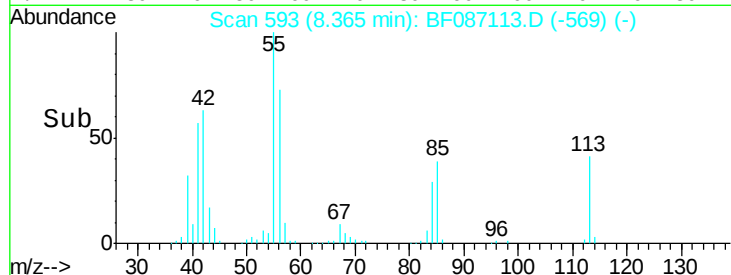
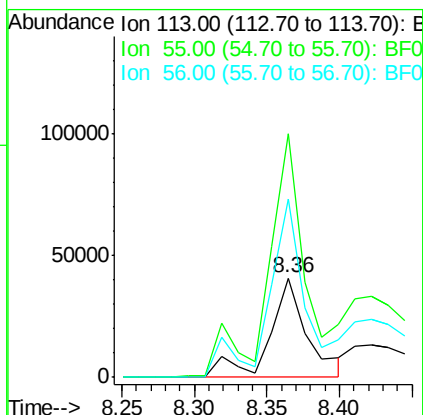
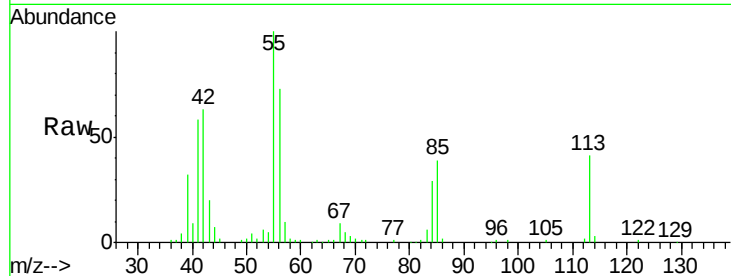




#35  
 Caprolactam  
 Concen: 23.51 ng  
 RT: 8.36 min Scan# 593  
 Delta R.T. -0.02 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

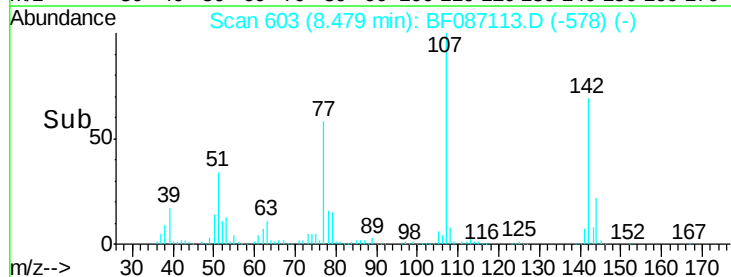
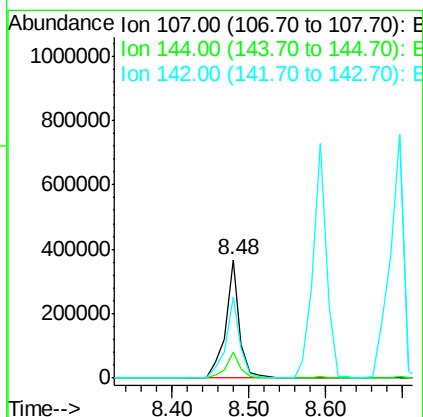
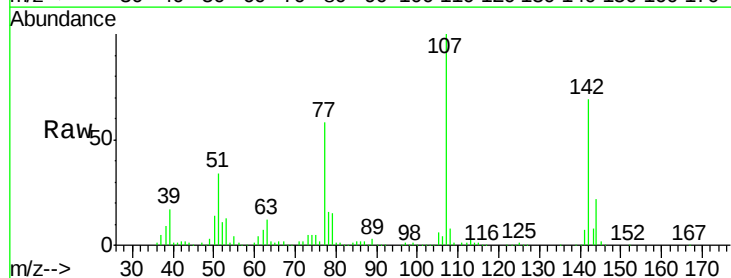
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

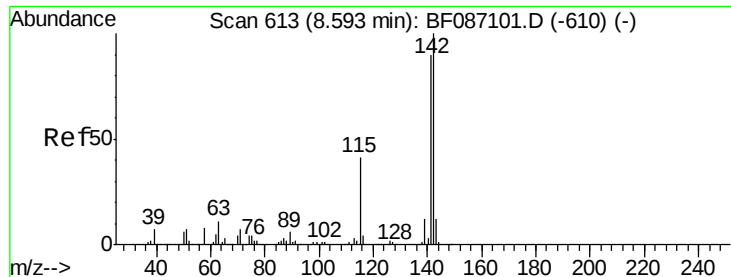
Tgt Ion:113 Resp: 73306  
 Ion Ratio Lower Upper  
 113 100  
 55 245.6 162.0 202.0#  
 56 180.0 115.3 155.3#



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.58 ng  
 RT: 8.48 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion:107 Resp: 469656  
 Ion Ratio Lower Upper  
 107 100  
 144 22.2 20.7 31.1  
 142 68.7 63.2 94.8





#37

2-Methylnaphthalene

Concen: 42.52 ng

RT: 8.70 min Scan# 622

Delta R.T. 0.08 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

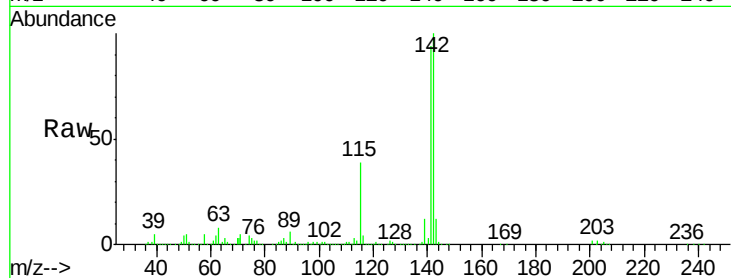
Tgt Ion:142 Resp: 911687

Ion Ratio Lower Upper

142 100

141 93.6 71.0 106.6

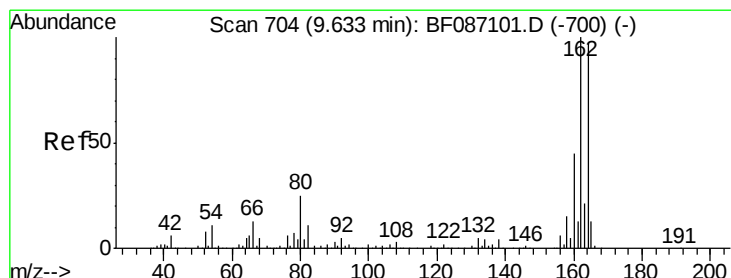
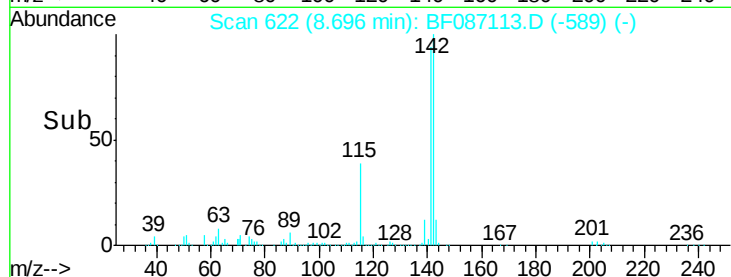
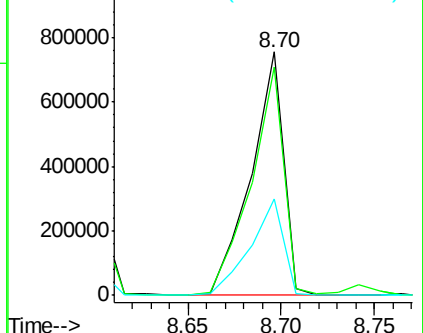
115 39.4 26.6 39.8



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: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

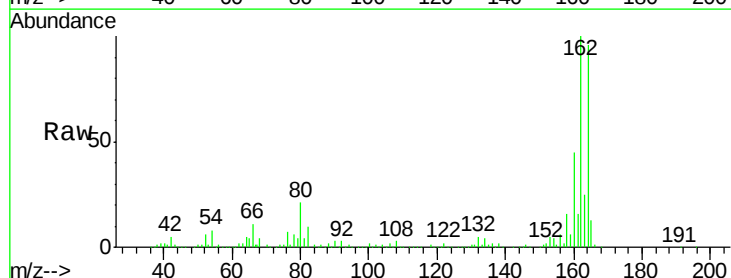
Tgt Ion:164 Resp: 335718

Ion Ratio Lower Upper

164 100

162 104.7 82.8 124.2

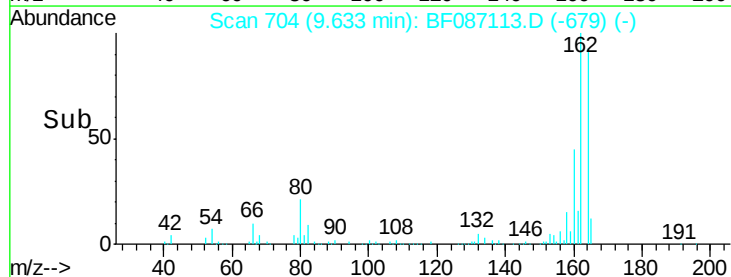
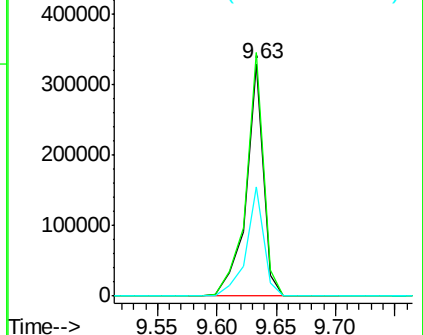
160 46.9 36.9 55.3



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

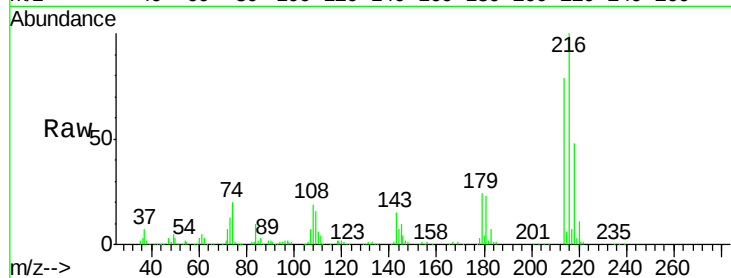




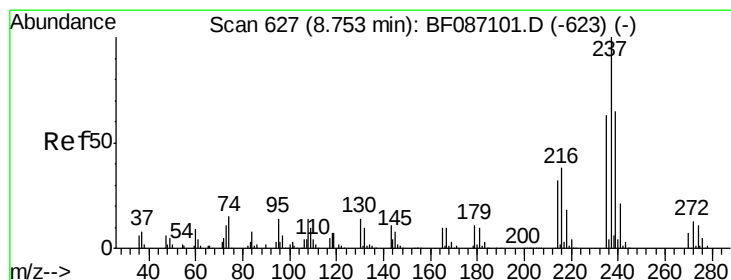
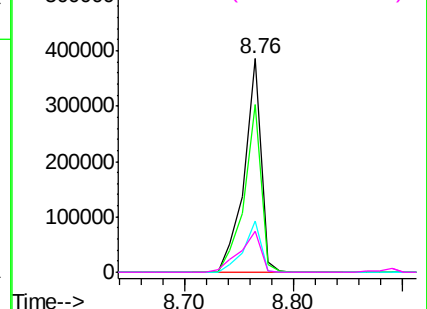
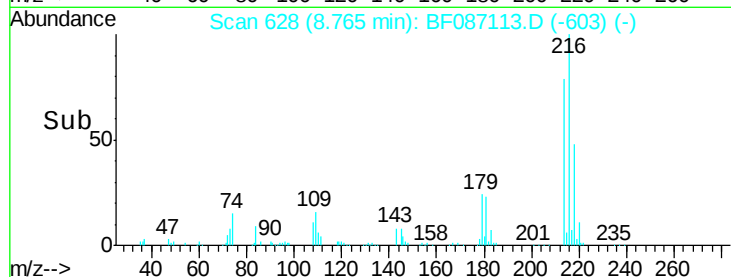
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 41.66 ng  
 RT: 8.76 min Scan# 628  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 408481 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.7  | 62.6  | 93.8   |
| 179      | 24.4  | 18.2  | 27.4   |
| 108      | 24.3  | 17.5  | 26.3   |

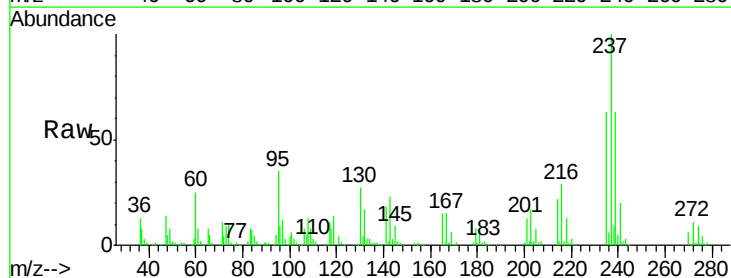


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

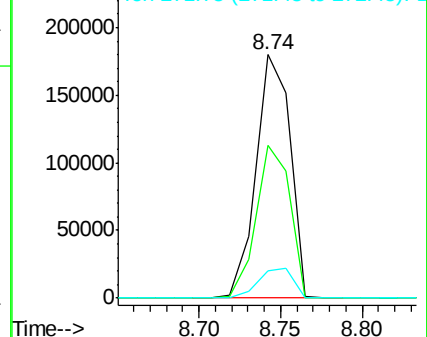
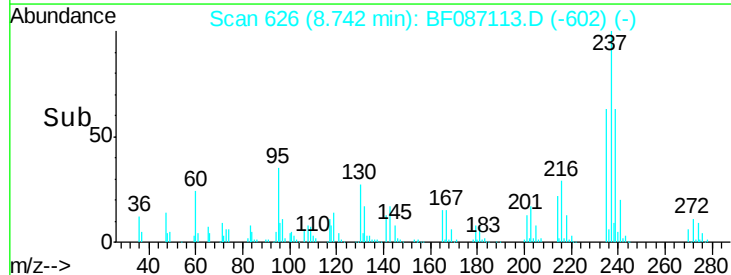


#40  
 Hexachlorocyclopentadiene  
 Concen: 70.13 ng  
 RT: 8.74 min Scan# 626  
 Delta R.T. -0.02 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 261480 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.7  | 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

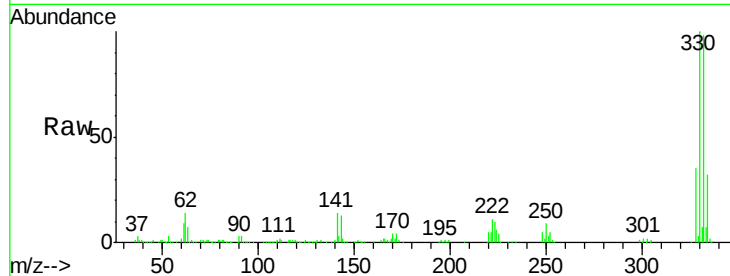




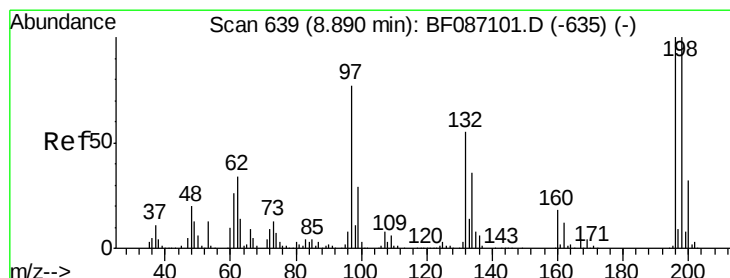
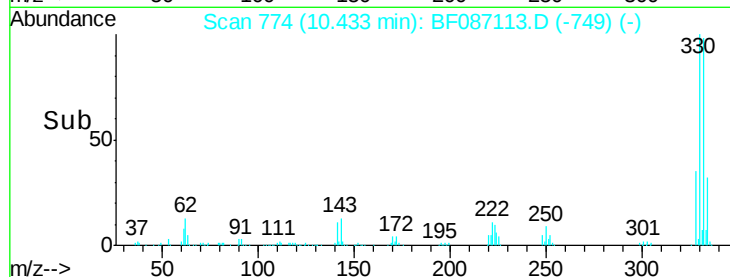
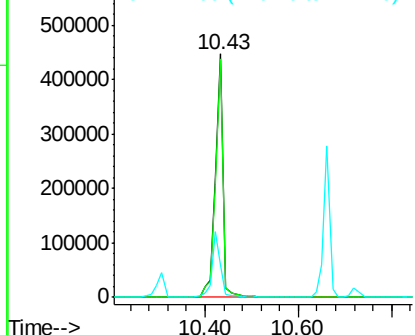
#41  
 2,4,6-Tribromophenol  
 Concen: 142.87 ng  
 RT: 10.43 min Scan# 774  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

Tgt Ion:330 Resp: 530028  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 79.0 118.4  
 141 29.0 31.2 46.8#

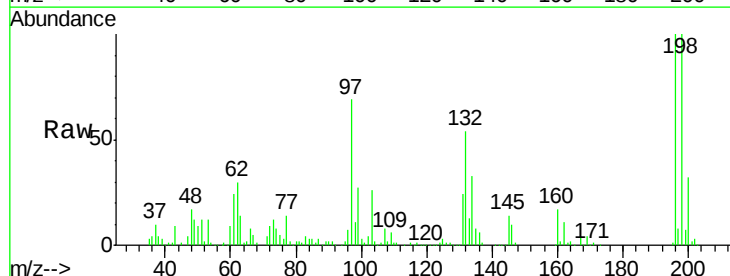


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

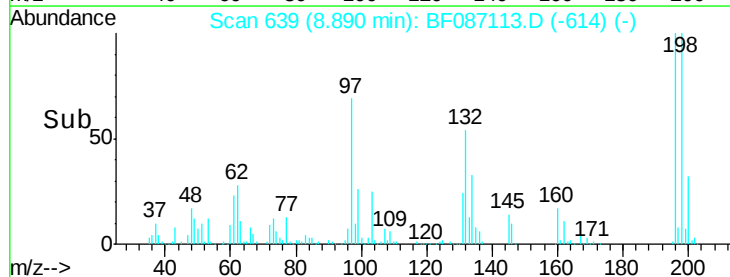
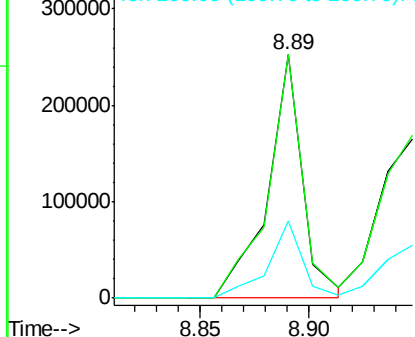


#42  
 2,4,6-Trichlorophenol  
 Concen: 44.63 ng  
 RT: 8.89 min Scan# 639  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion:196 Resp: 283777  
 Ion Ratio Lower Upper  
 196 100  
 198 99.8 74.7 112.1  
 200 31.8 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

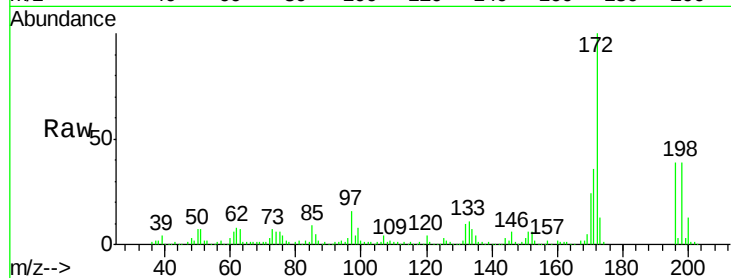




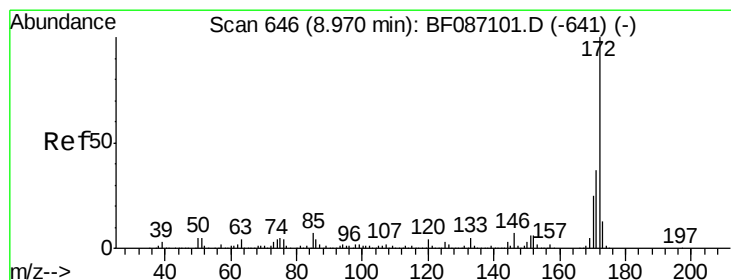
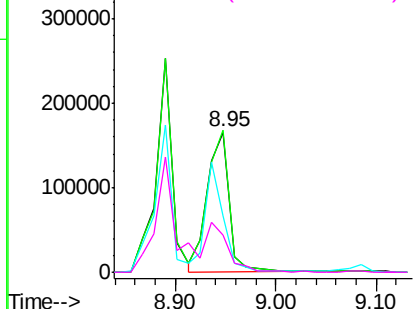
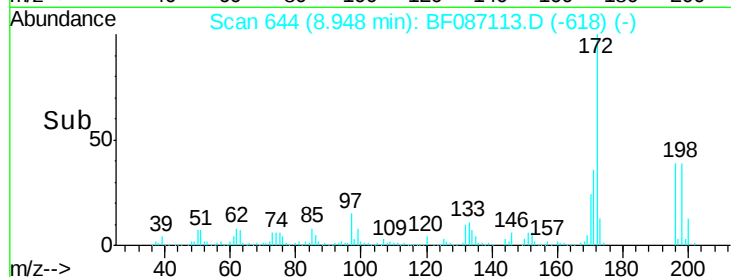
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.10 ng  
 RT: 8.95 min Scan# 644  
 Delta R.T. 0.00 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 251706 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 102.2 | 77.5  | 116.3  |
| 97       | 40.3  | 34.8  | 52.2   |
| 132      | 26.2  | 23.0  | 34.4   |

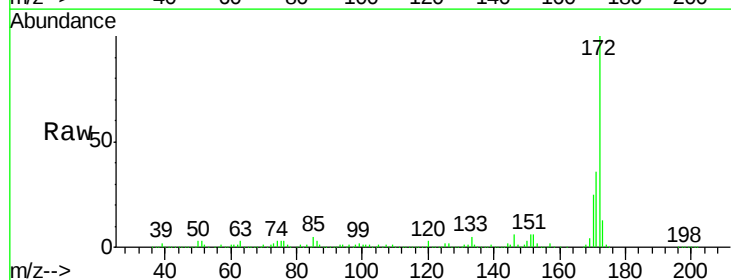


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

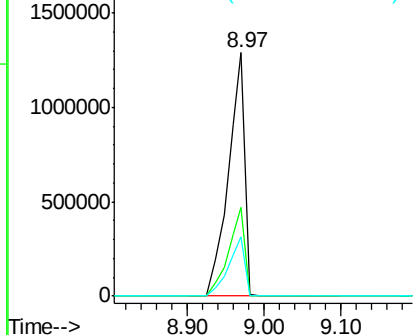
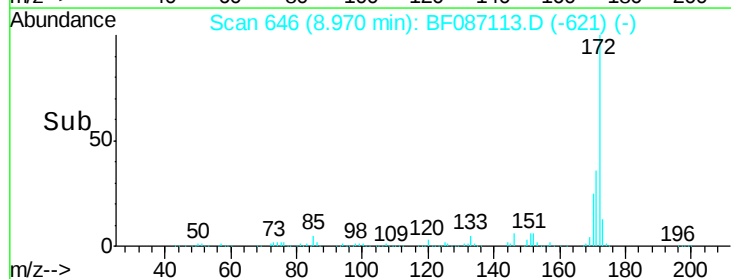


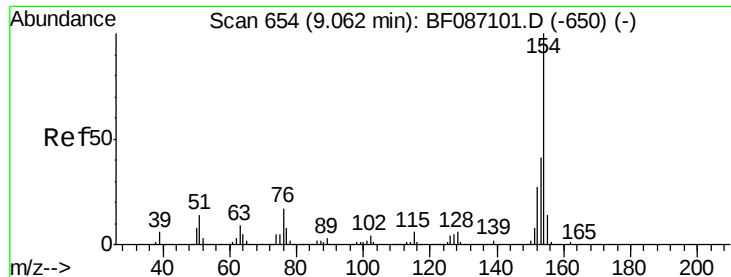
#44  
 2-Fluorobiphenyl  
 Concen: 96.11 ng  
 RT: 8.97 min Scan# 646  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 1948305 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 36.3  | 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: 40.17 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

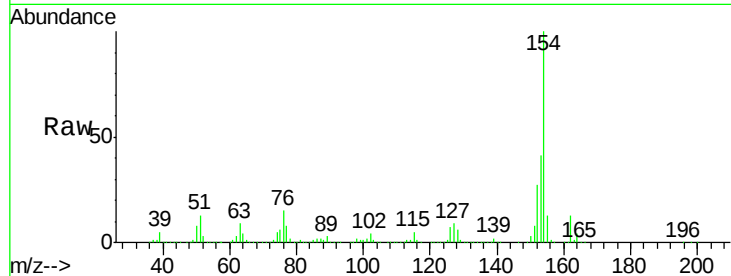
Tgt Ion:154 Resp: 1118307

Ion Ratio Lower Upper

154 100

153 41.1 20.3 60.3

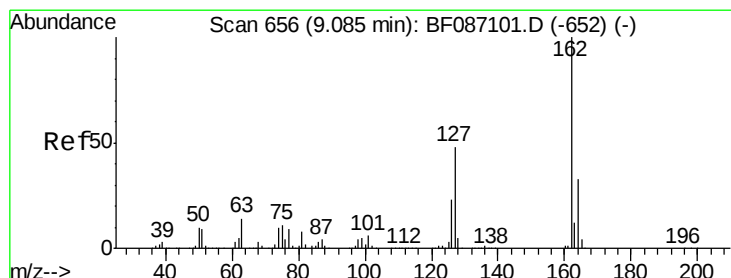
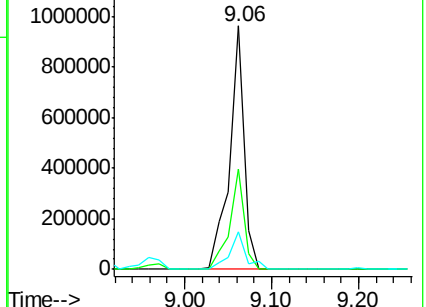
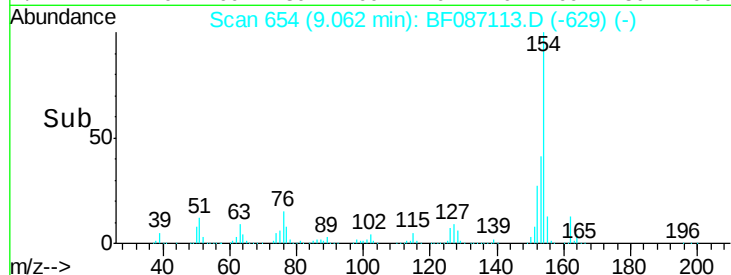
76 15.5 0.0 30.2



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: 40.68 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

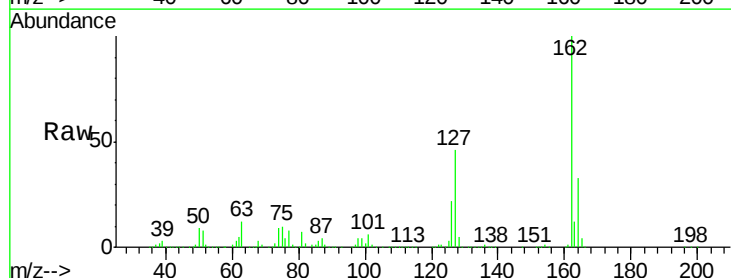
Tgt Ion:162 Resp: 869262

Ion Ratio Lower Upper

162 100

127 45.6 31.8 47.6

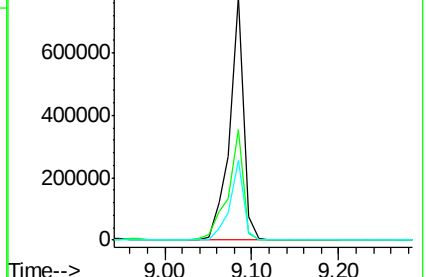
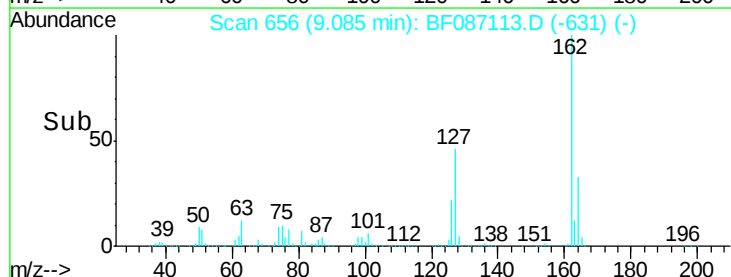
164 32.8 27.0 40.6

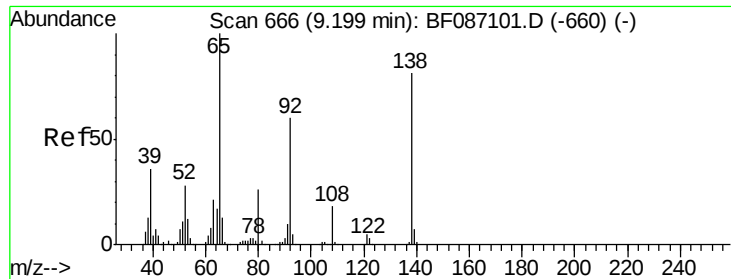


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

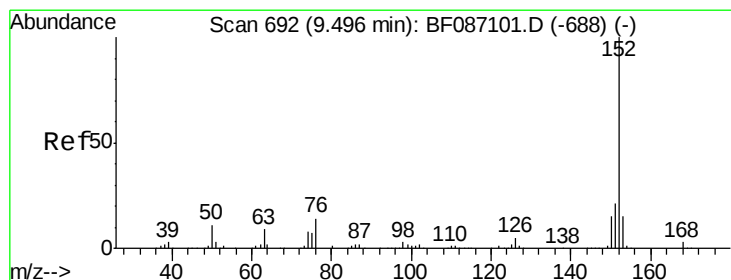
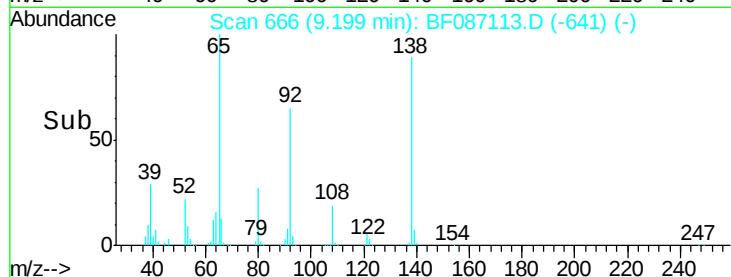
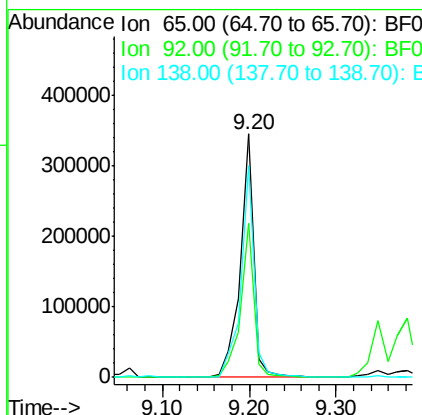
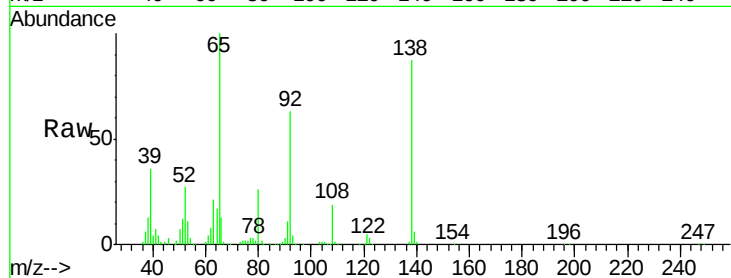




#47  
 2-Nitroaniline  
 Concen: 45.58 ng  
 RT: 9.20 min Scan# 666  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

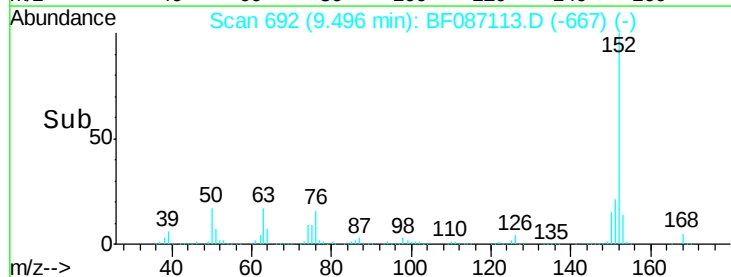
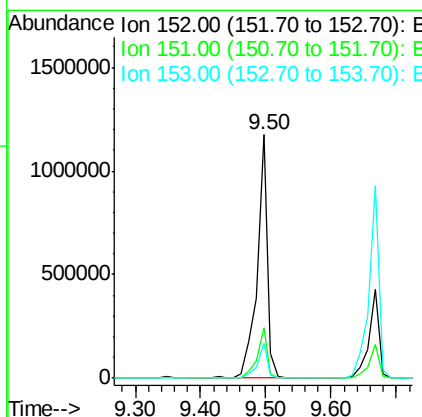
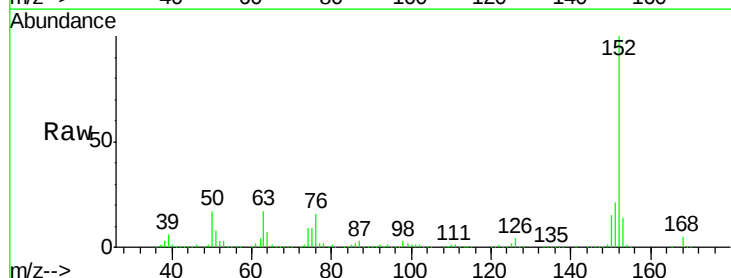
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

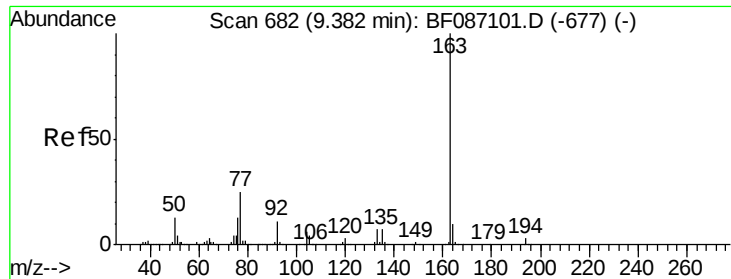
Tgt Ion: 65 Resp: 373288  
 Ion Ratio Lower Upper  
 65 100  
 92 63.1 57.4 86.2  
 138 87.0 90.1 135.1#



#48  
 Acenaphthylene  
 Concen: 39.89 ng  
 RT: 9.50 min Scan# 692  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion: 152 Resp: 1301660  
 Ion Ratio Lower Upper  
 152 100  
 151 20.9 16.8 25.2  
 153 14.4 10.9 16.3

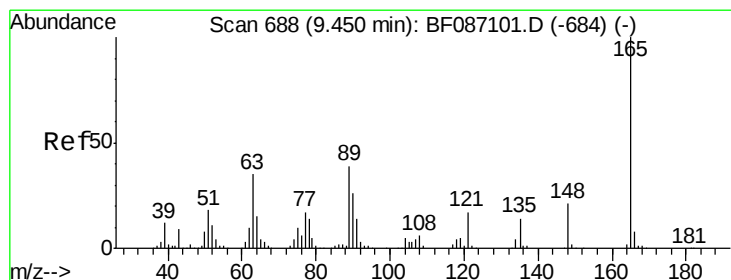
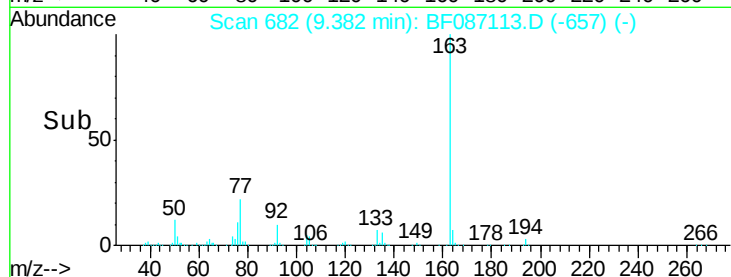
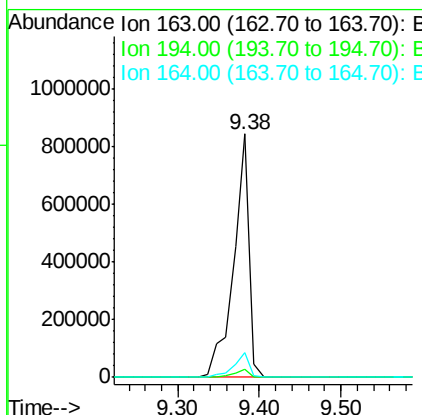
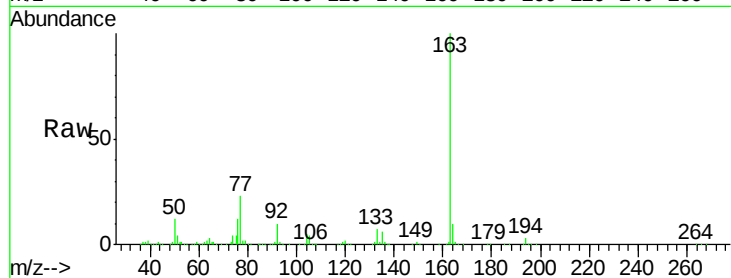




#49  
Dimethylphthalate  
Concen: 43.43 ng  
RT: 9.38 min Scan# 682  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

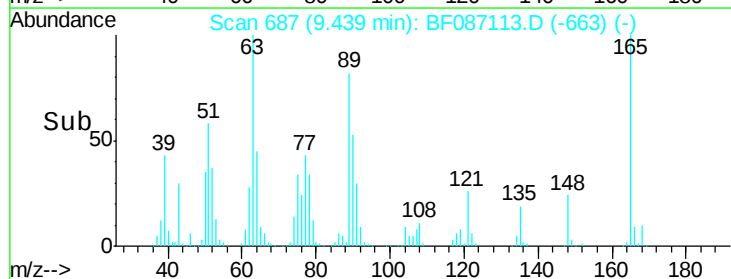
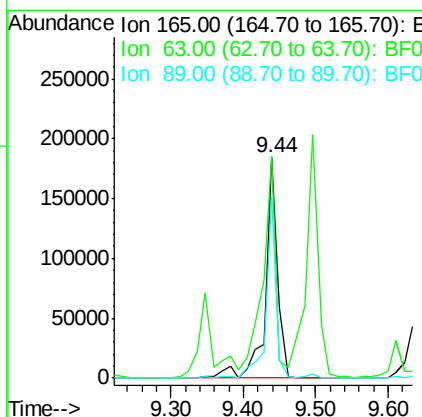
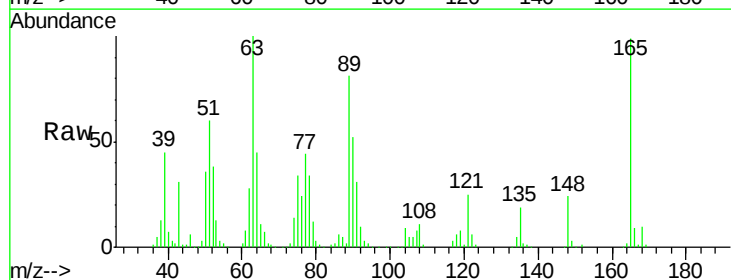
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

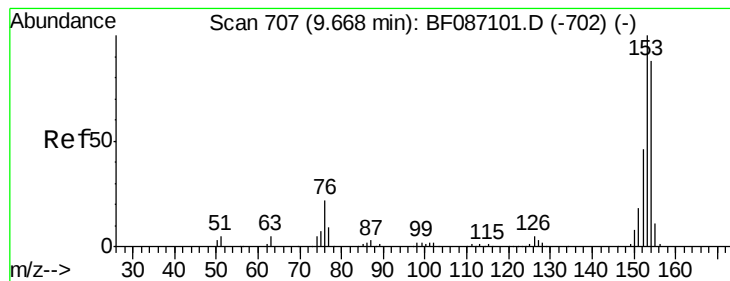
Tgt Ion:163 Resp: 1112307  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 10.1 8.2 12.4



#50  
2,6-Dinitrotoluene  
Concen: 40.01 ng  
RT: 9.44 min Scan# 687  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:165 Resp: 222492  
Ion Ratio Lower Upper  
165 100  
63 100.8 51.8 77.8#  
89 82.1 50.7 76.1#





#51

Acenaphthene

Concen: 41.71 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

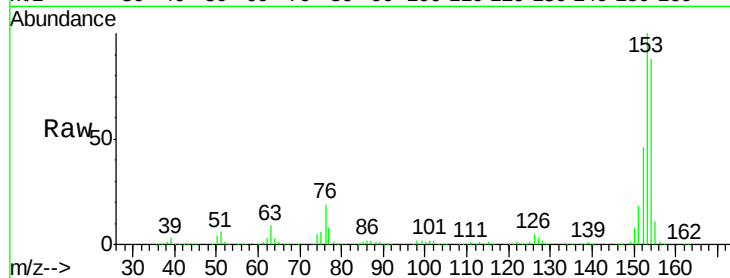
Tgt Ion:154 Resp: 850364

Ion Ratio Lower Upper

154 100

153 113.4 89.8 134.6

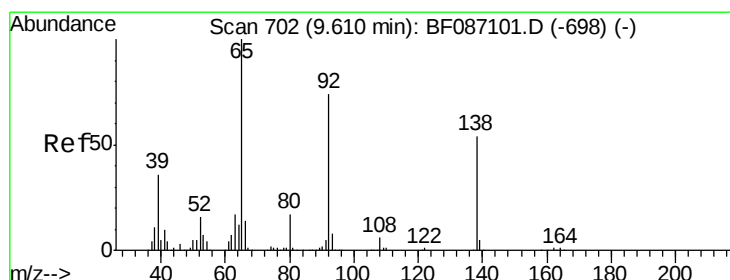
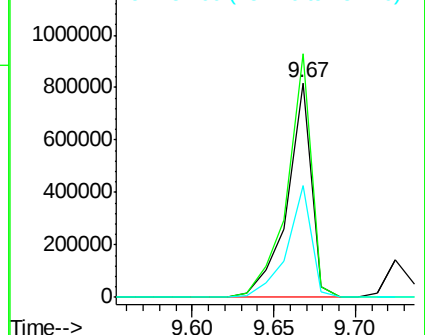
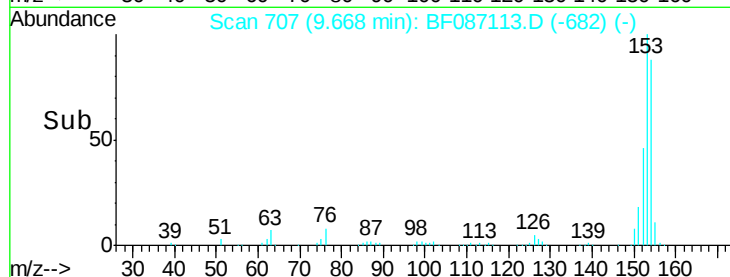
152 52.2 43.4 65.0



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: 21.33 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

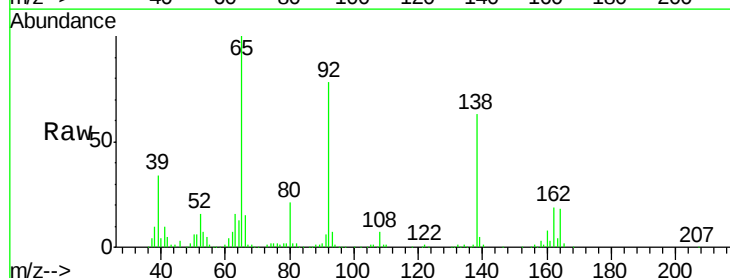
Tgt Ion:138 Resp: 128394

Ion Ratio Lower Upper

138 100

108 11.6 7.8 11.6

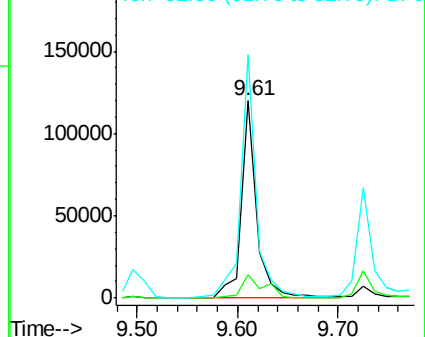
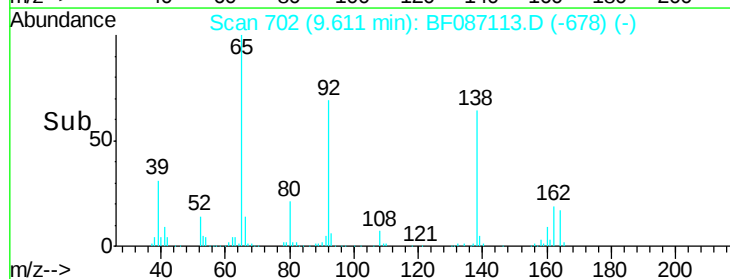
92 123.3 87.8 131.8

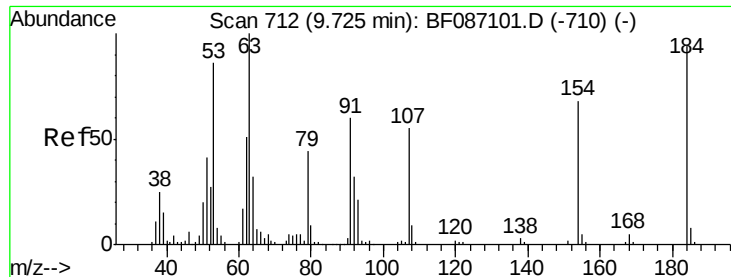


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

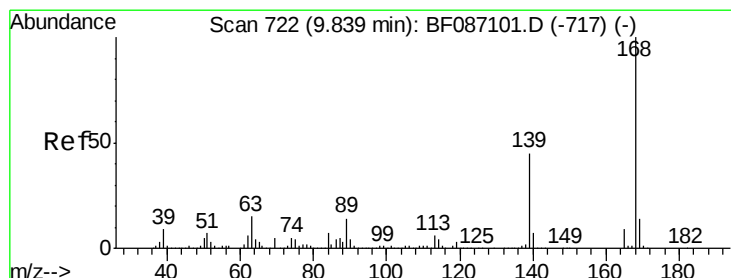
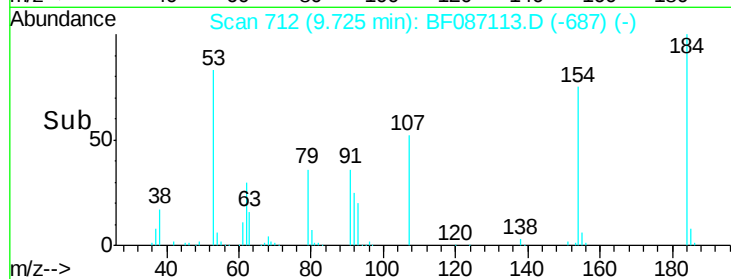
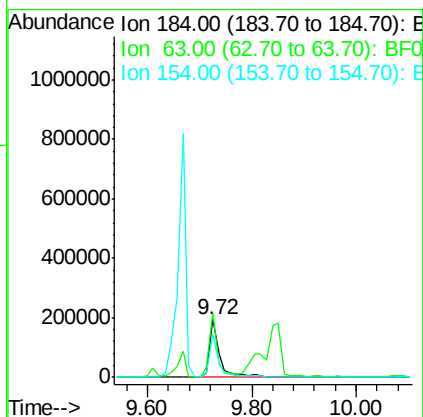
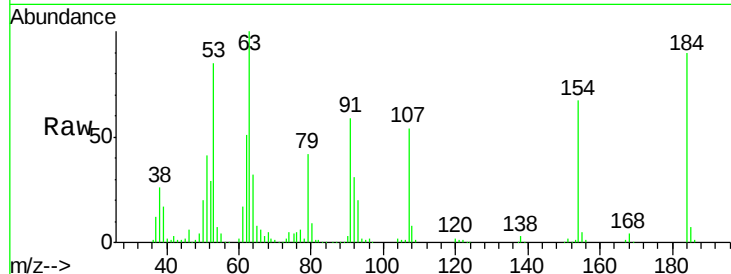




#53  
 2,4-Dinitrophenol  
 Concen: 82.03 ng  
 RT: 9.72 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

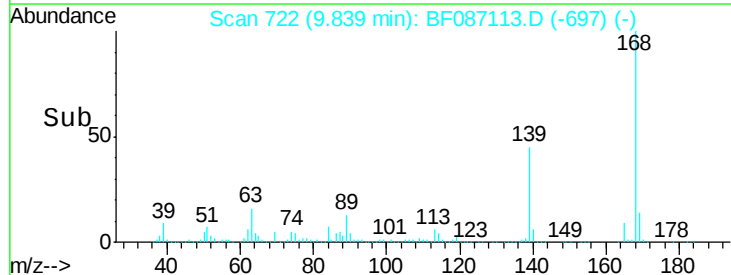
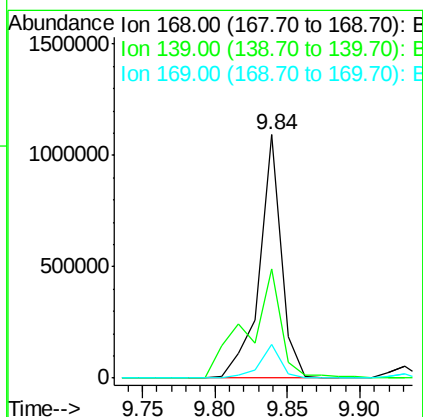
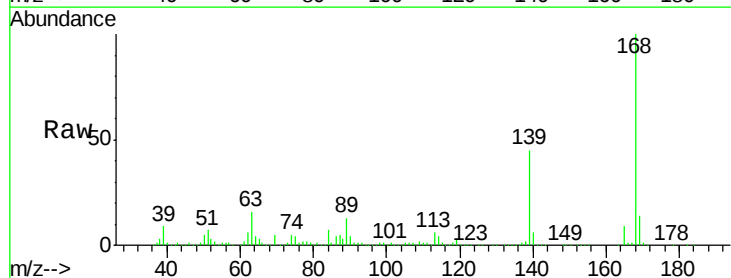
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

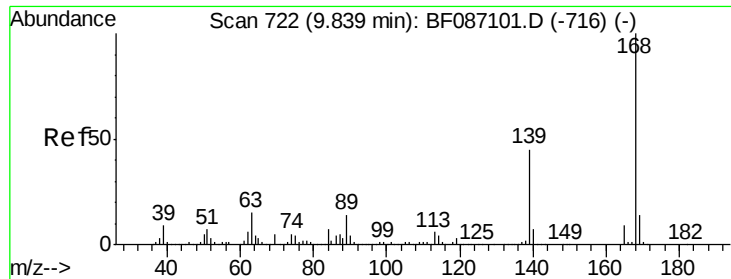
Tgt Ion:184 Resp: 261769  
 Ion Ratio Lower Upper  
 184 100  
 63 111.7 55.8 83.8#  
 154 74.5 62.4 93.6



#54  
 Dibenzofuran  
 Concen: 43.29 ng  
 RT: 9.84 min Scan# 722  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion:168 Resp: 1141302  
 Ion Ratio Lower Upper  
 168 100  
 139 45.1 31.4 47.0  
 169 13.7 10.7 16.1





#55

4-Nitrophenol

Concen: 127.35 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

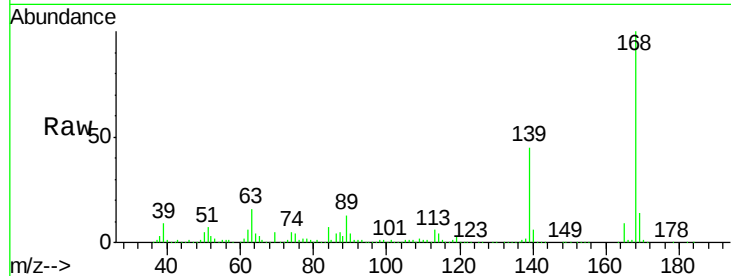
Tgt Ion:139 Resp: 803379

Ion Ratio Lower Upper

139 100

109 3.8 36.9 76.9#

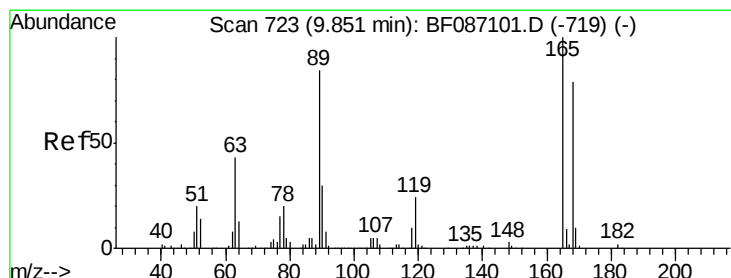
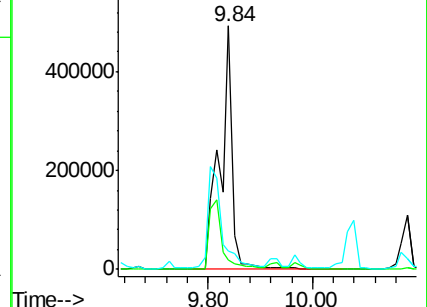
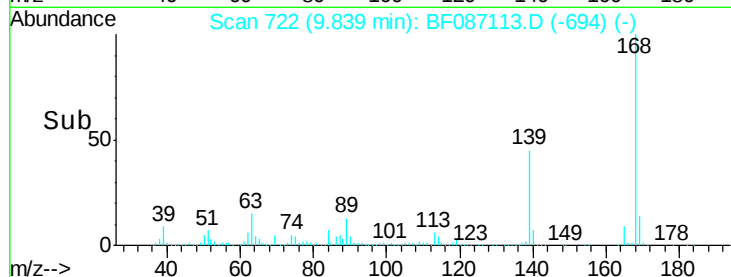
65 7.5 64.0 104.0#



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: 46.85 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Tgt Ion:165 Resp: 333639

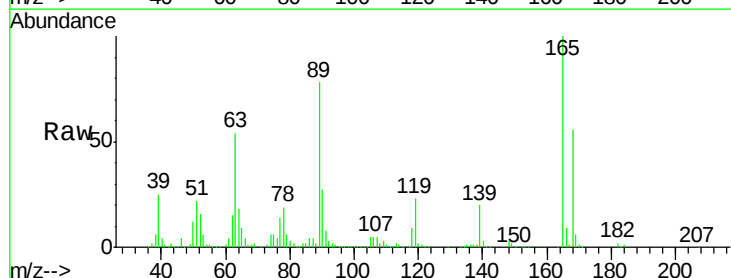
Ion Ratio Lower Upper

165 100

63 54.0 44.3 66.5

89 78.0 70.0 105.0

182 2.2 1.8 2.6

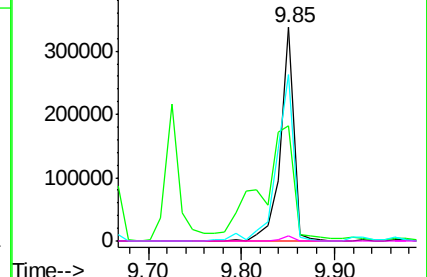
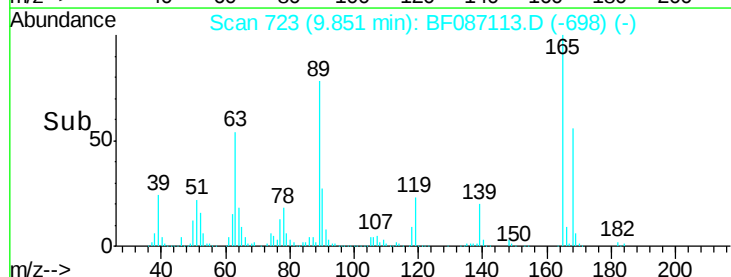


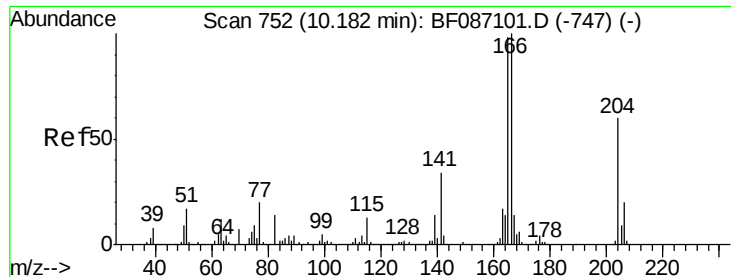
Abundance Ion 165.00 (164.70 to 165.70): E

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

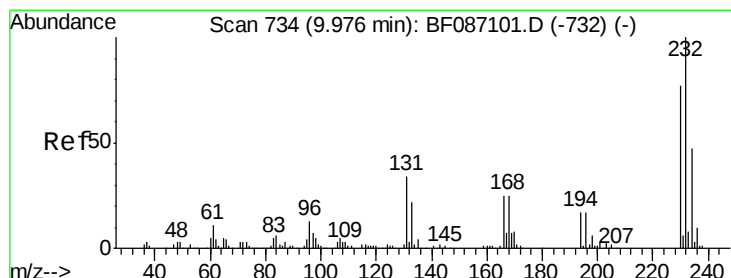
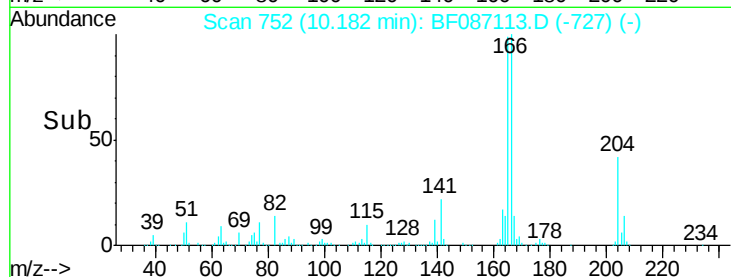
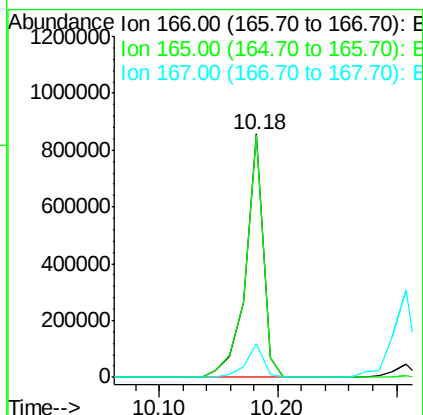
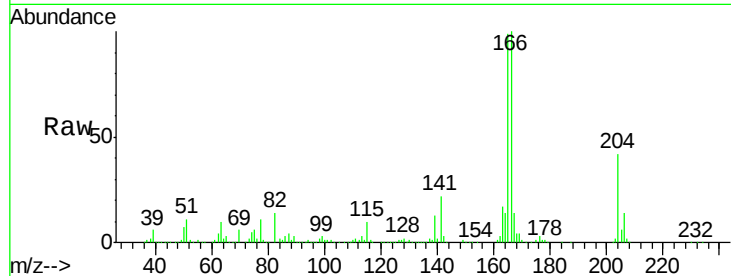




#57  
**Fluorene**  
 Concen: 41.78 ng  
 RT: 10.18 min Scan# 752  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

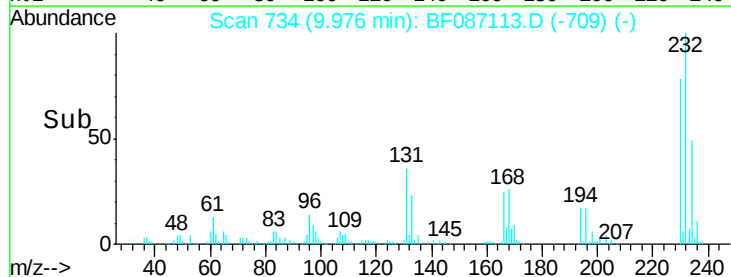
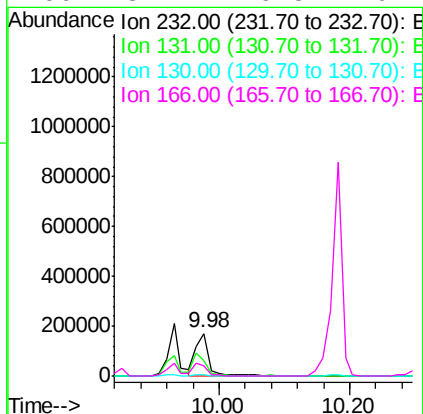
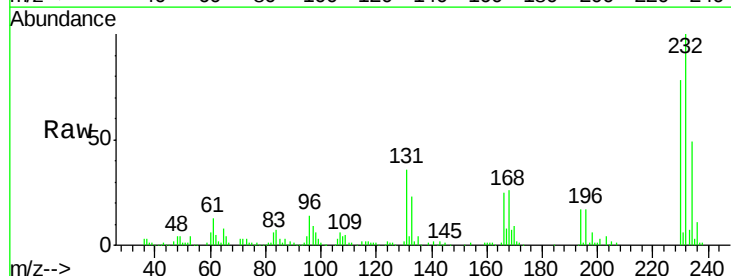
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

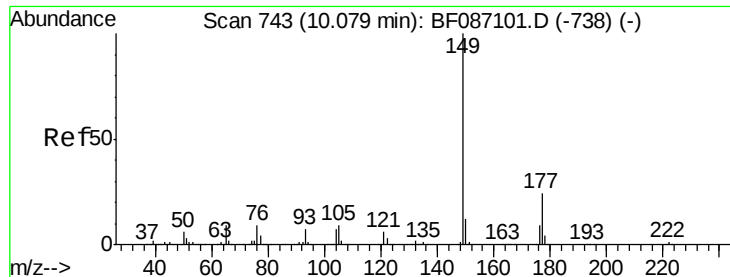
Tgt Ion:166 Resp: 884926  
 Ion Ratio Lower Upper  
 166 100  
 165 99.5 79.0 118.6  
 167 13.6 10.6 15.8



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 46.28 ng  
 RT: 9.98 min Scan# 734  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion:232 Resp: 238105  
 Ion Ratio Lower Upper  
 232 100  
 131 49.3 41.9 62.9  
 130 2.4 2.2 3.4  
 166 32.2 26.8 40.2

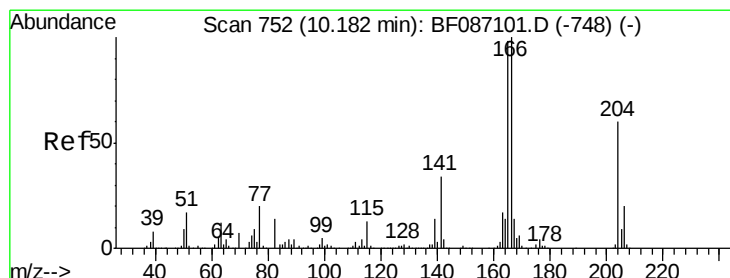
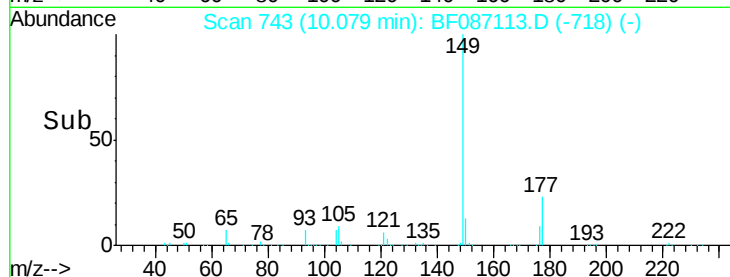
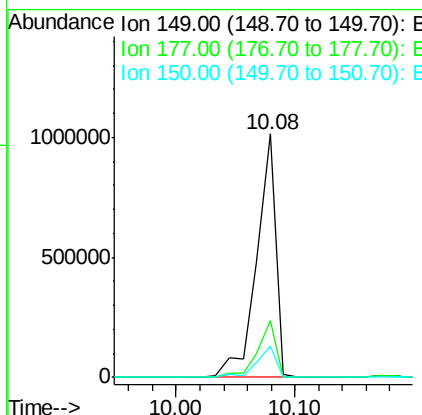
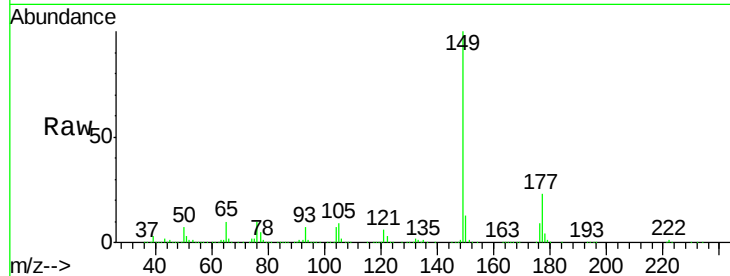




#59  
Diethylphthalate  
Concen: 46.98 ng  
RT: 10.08 min Scan# 743  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

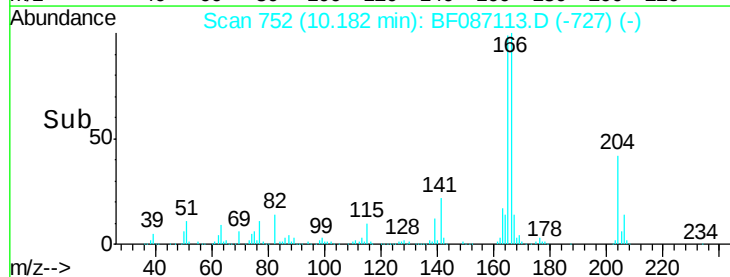
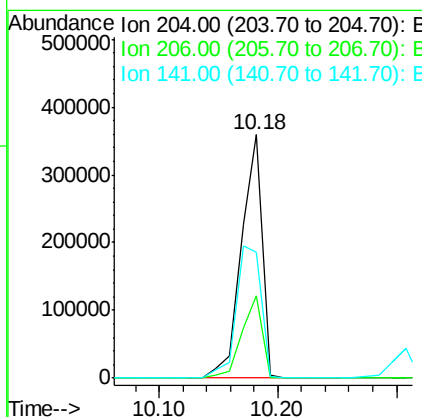
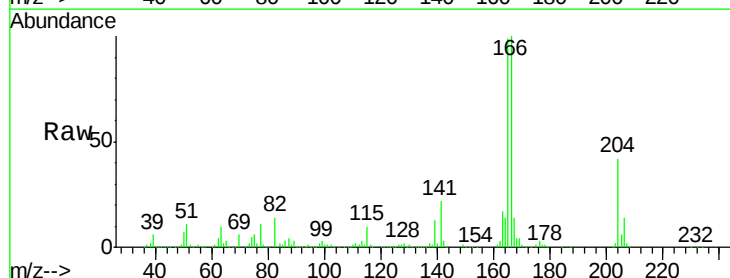
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

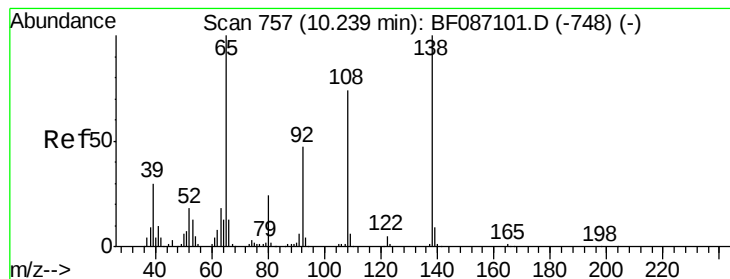
Tgt Ion:149 Resp: 1148675  
Ion Ratio Lower Upper  
149 100  
177 23.1 16.6 24.8  
150 12.7 10.0 15.0



#60  
4-Chlorophenyl-phenylether  
Concen: 43.66 ng  
RT: 10.18 min Scan# 752  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:204 Resp: 438341  
Ion Ratio Lower Upper  
204 100  
206 33.8 25.4 38.0  
141 51.6 61.6 92.4#





#61

4-Nitroaniline

Concen: 39.13 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

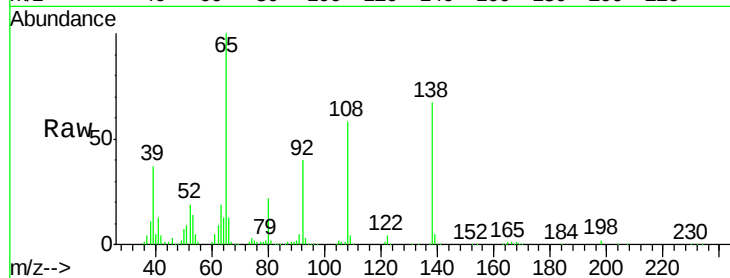
Tgt Ion:138 Resp: 232588

Ion Ratio Lower Upper

138 100

92 59.7 24.7 64.7

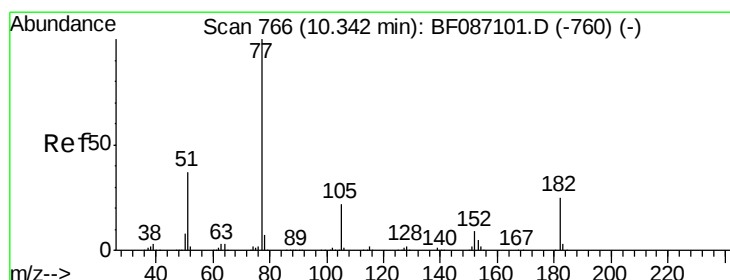
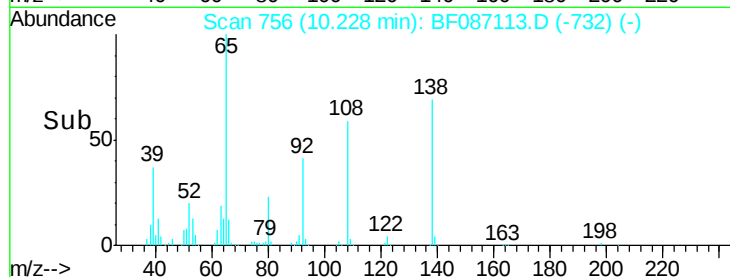
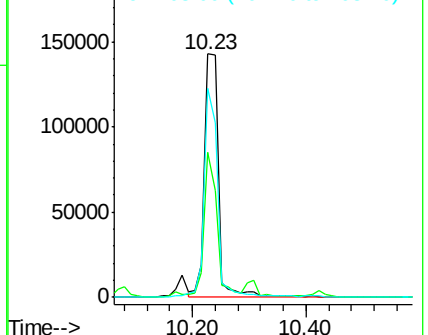
108 86.1 37.4 77.4#



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: 45.73 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Tgt Ion: 77 Resp: 1288393

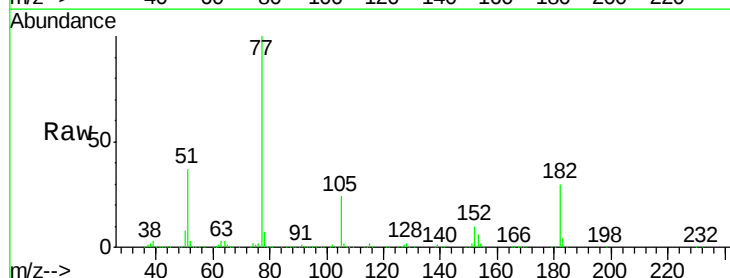
Ion Ratio Lower Upper

77 100

182 29.7 0.0 38.8

105 23.7 3.2 43.2

51 36.5 8.8 48.8

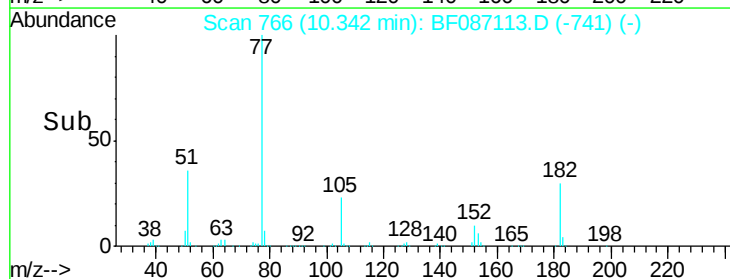
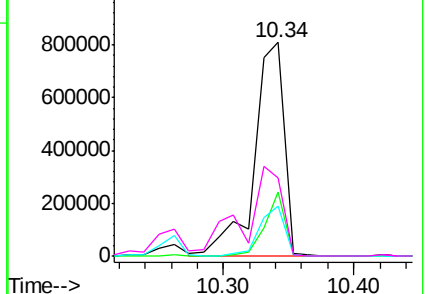


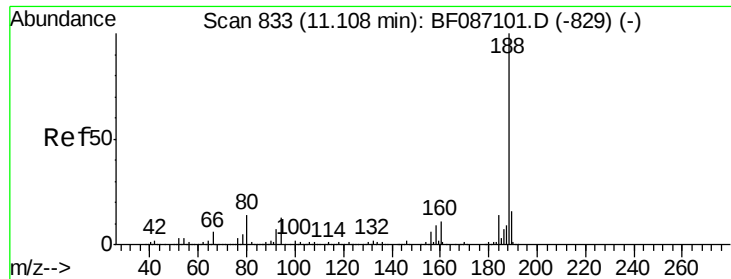
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

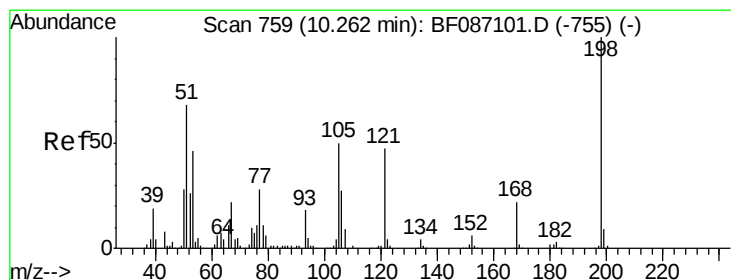
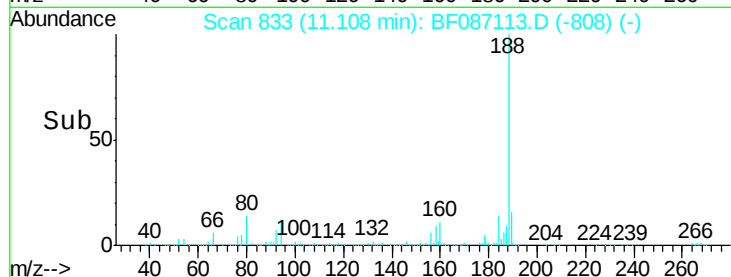
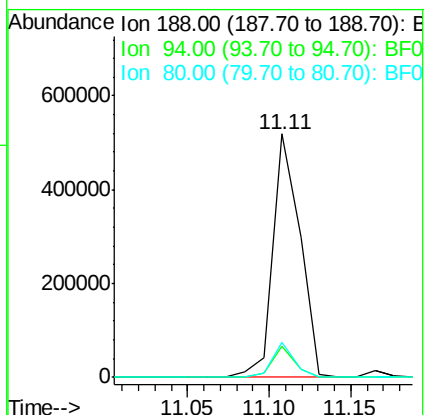
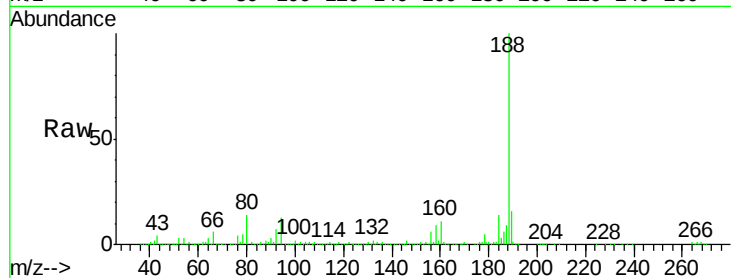




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.11 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

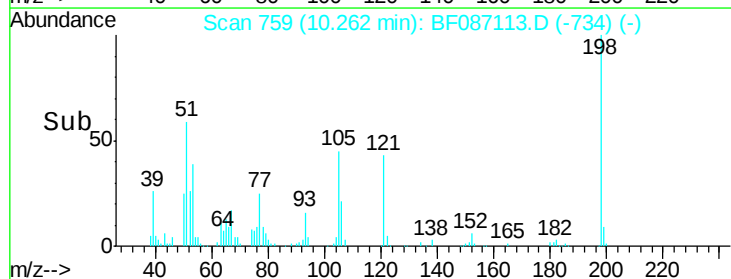
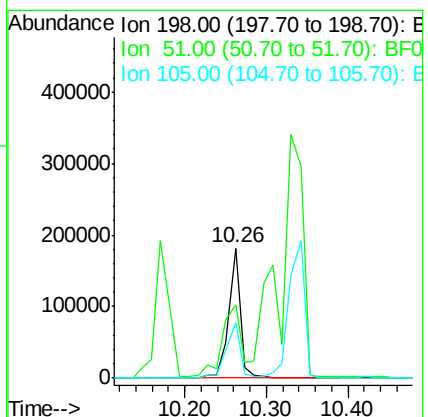
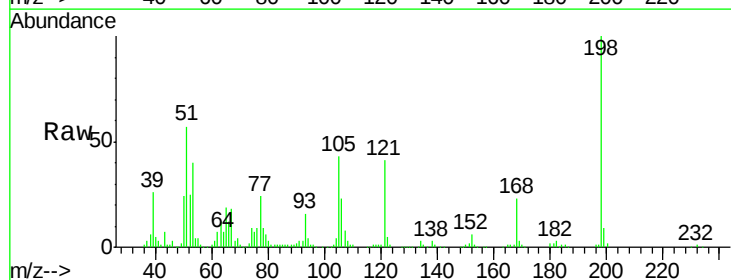
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

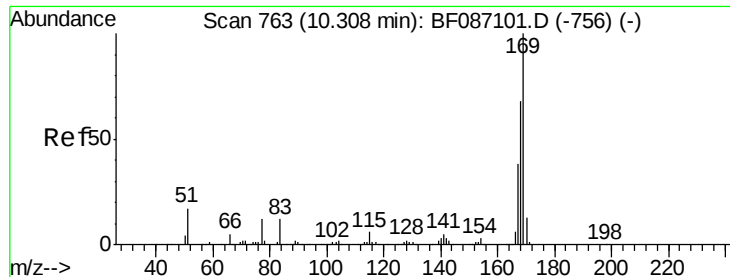
Tgt Ion:188 Resp: 605286  
Ion Ratio Lower Upper  
188 100  
94 12.7 6.8 10.2#  
80 14.4 7.1 10.7#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 46.21 ng  
RT: 10.26 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:198 Resp: 184222  
Ion Ratio Lower Upper  
198 100  
51 56.6 20.5 60.5  
105 42.6 24.5 64.5





#65

n-Nitrosodiphenylamine

Concen: 48.91 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

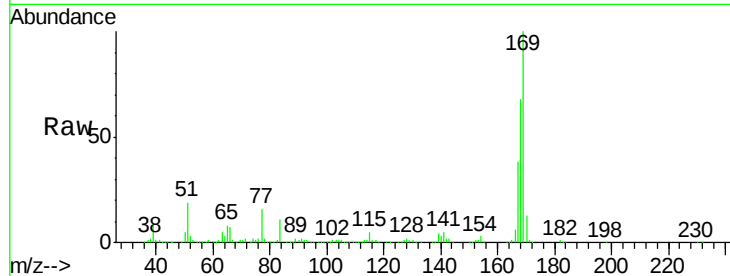
Tgt Ion:169 Resp: 931652

Ion Ratio Lower Upper

169 100

168 67.7 53.8 80.6

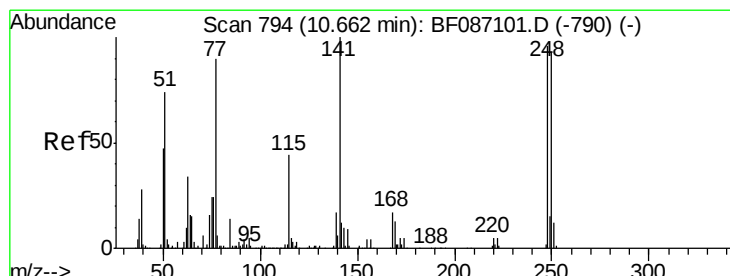
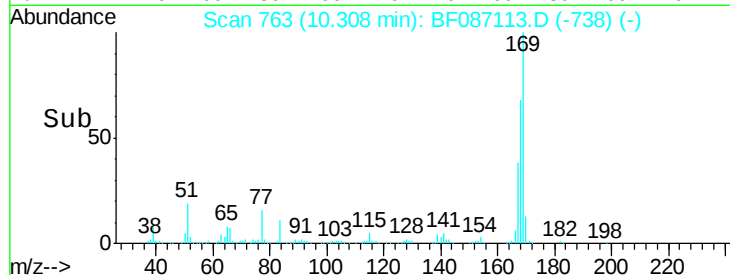
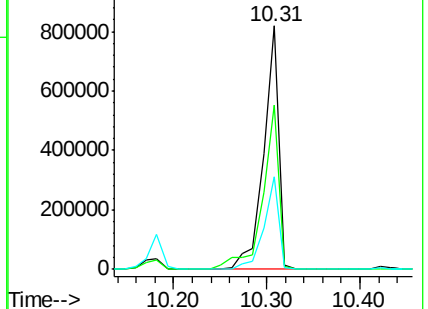
167 37.8 29.5 44.3



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: 42.68 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

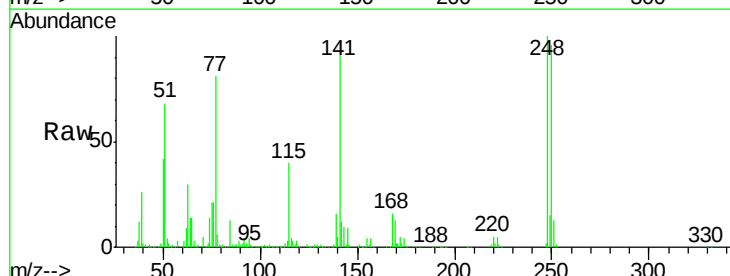
Tgt Ion:248 Resp: 265678

Ion Ratio Lower Upper

248 100

250 95.7 78.6 117.8

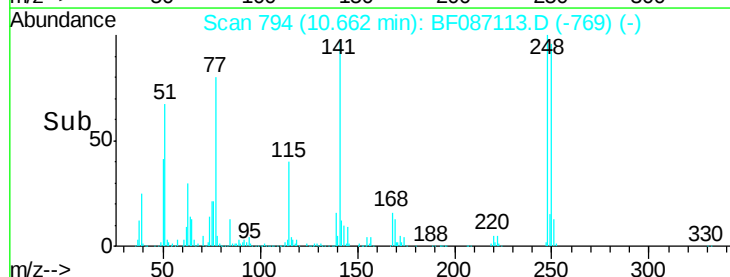
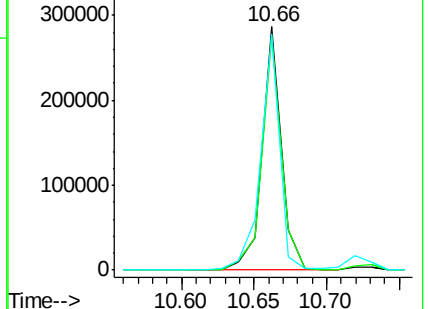
141 97.1 76.0 114.0

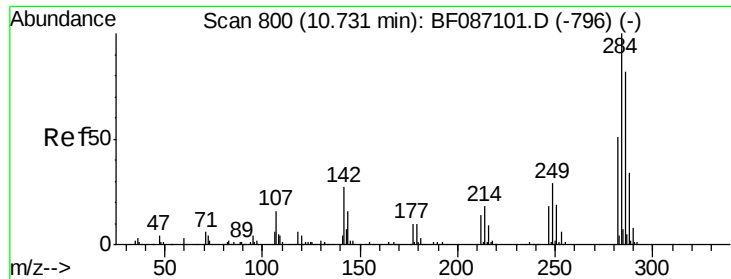


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 46.72 ng

RT: 10.73 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

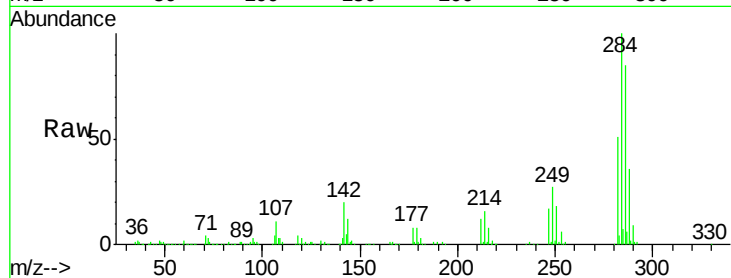
Tgt Ion:284 Resp: 337162

Ion Ratio Lower Upper

284 100

142 20.1 16.7 25.1

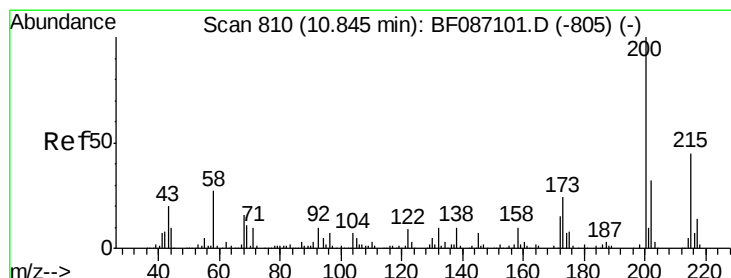
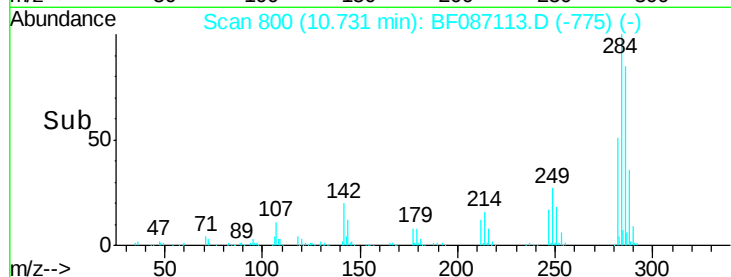
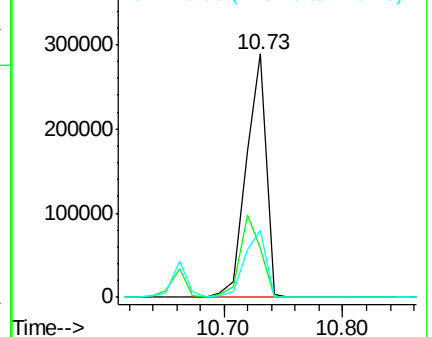
249 27.4 21.3 31.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 47.63 ng

RT: 10.84 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

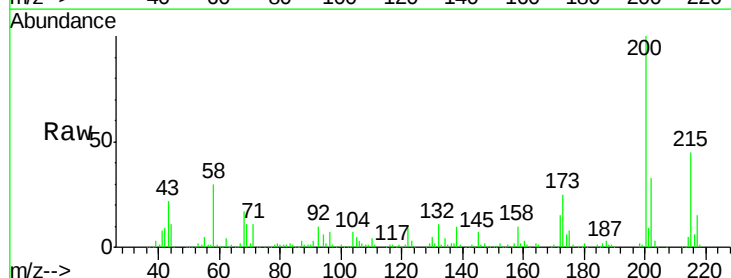
Tgt Ion:200 Resp: 295940

Ion Ratio Lower Upper

200 100

173 24.8 8.5 48.5

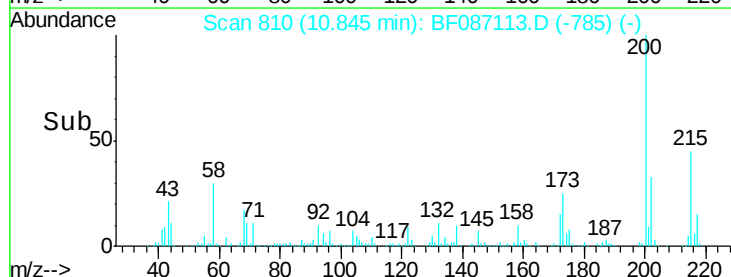
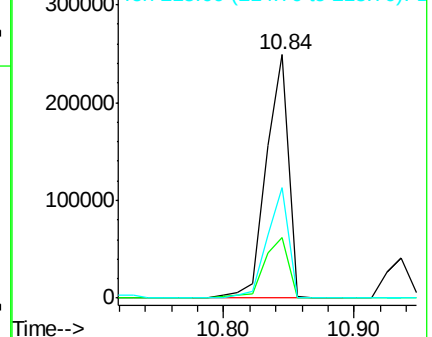
215 45.3 27.2 67.2

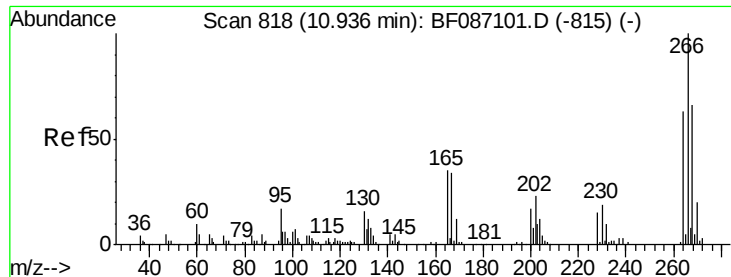


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

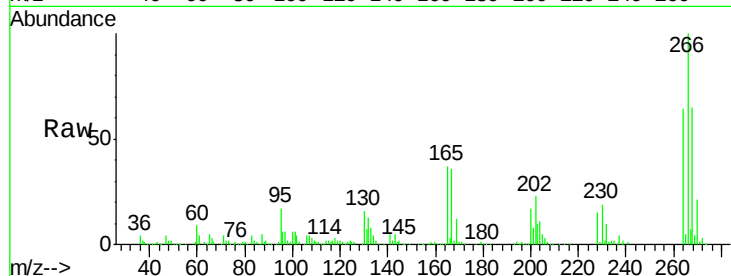




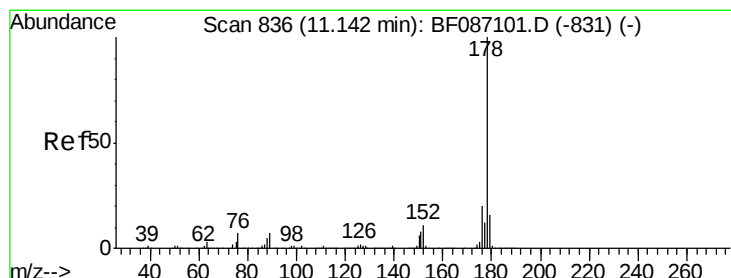
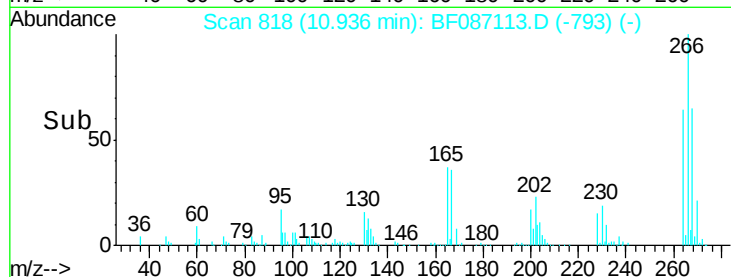
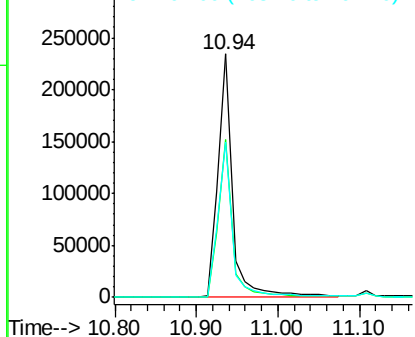
#69  
 Pentachlorophenol  
 Concen: 108.80 ng  
 RT: 10.94 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

Tgt Ion:266 Resp: 294962  
 Ion Ratio Lower Upper  
 266 100  
 268 65.0 51.5 77.3  
 264 63.9 52.9 79.3

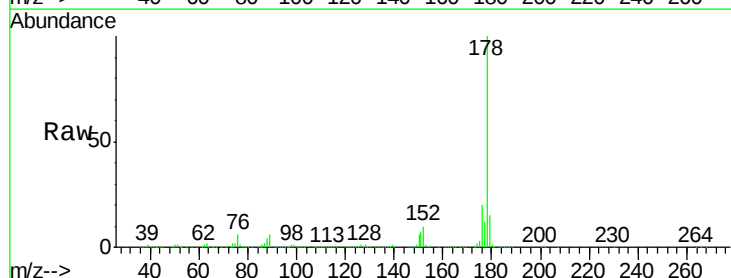


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

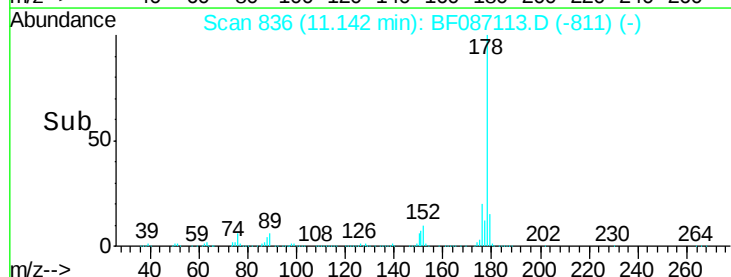
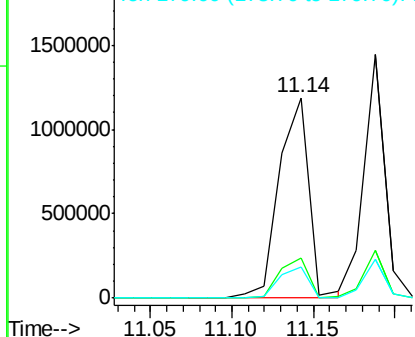


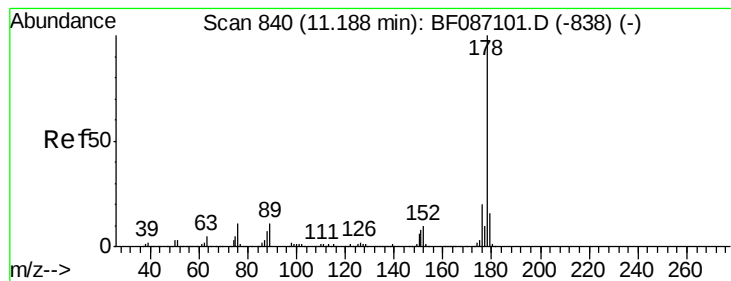
#70  
 Phenanthrene  
 Concen: 46.19 ng  
 RT: 11.14 min Scan# 836  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion:178 Resp: 1516343  
 Ion Ratio Lower Upper  
 178 100  
 176 20.3 16.0 24.0  
 179 15.3 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: 39.79 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

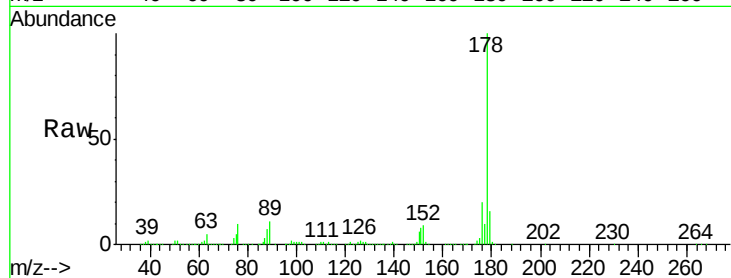
Tgt Ion:178 Resp: 1321317

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

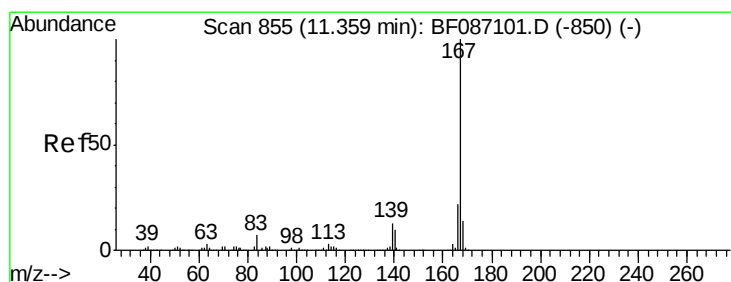
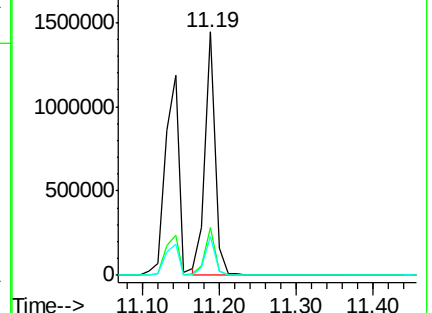
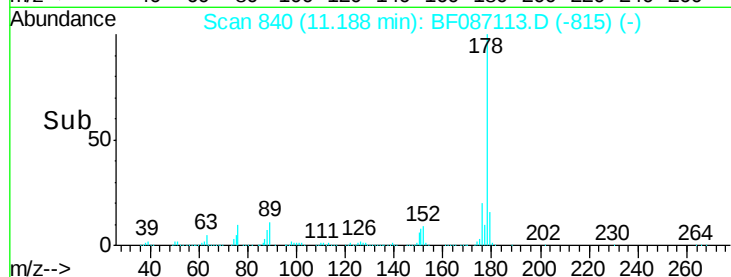
179 16.1 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.06 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

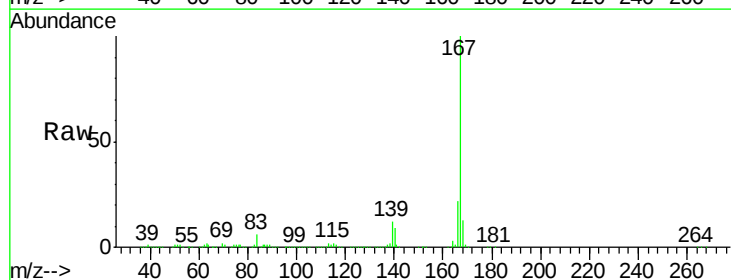
Tgt Ion:167 Resp: 1336360

Ion Ratio Lower Upper

167 100

166 21.9 17.7 26.5

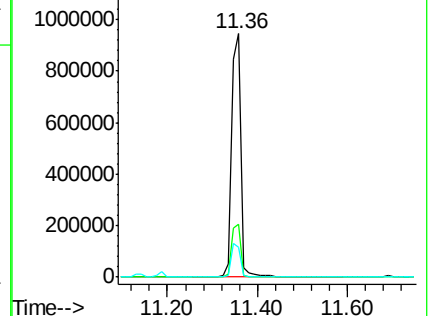
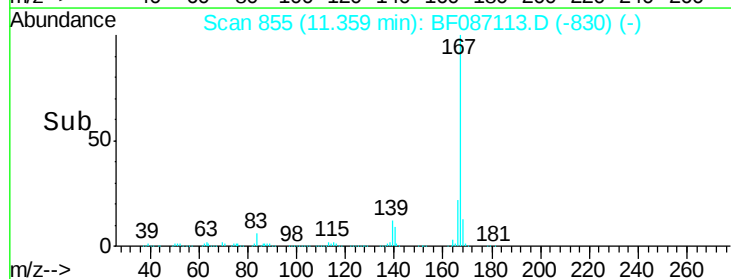
139 12.1 10.8 16.2

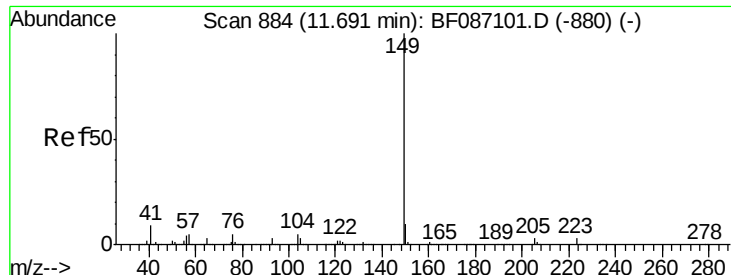


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 49.43 ng

RT: 11.69 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

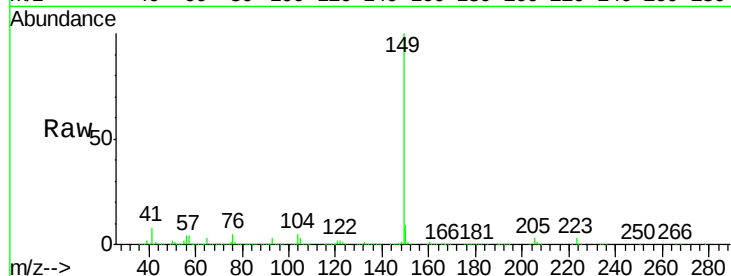
Tgt Ion:149 Resp: 1721950

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

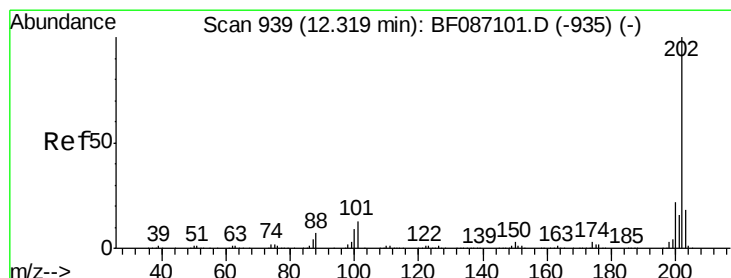
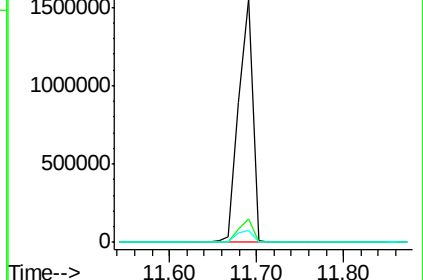
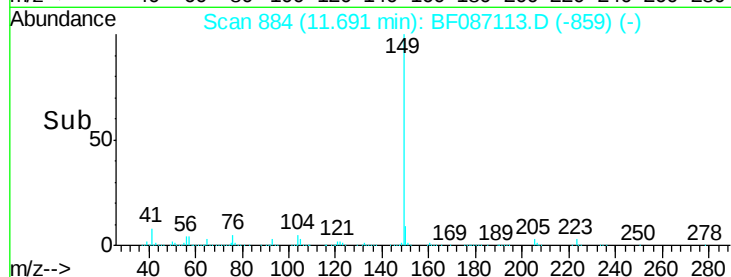
104 5.1 3.8 5.6



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: 45.18 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

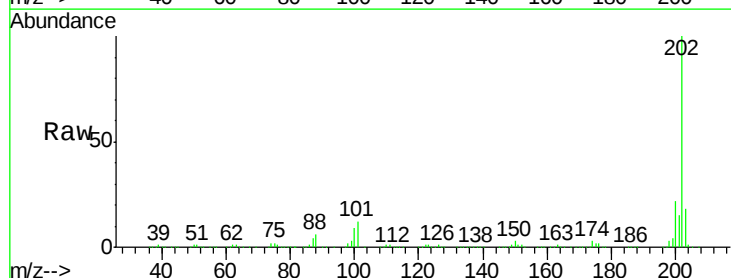
Tgt Ion:202 Resp: 1486080

Ion Ratio Lower Upper

202 100

101 11.6 0.0 35.4

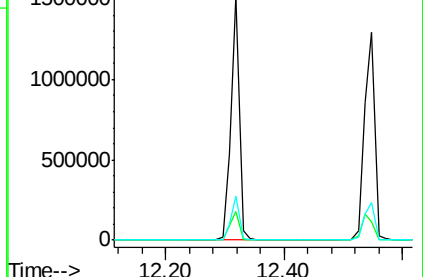
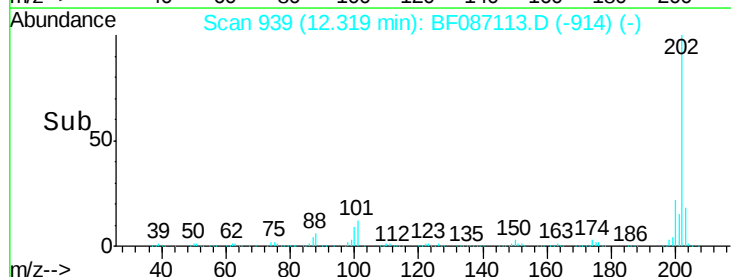
203 18.3 0.0 38.1

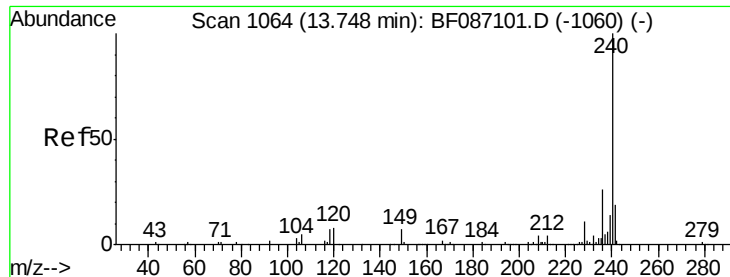


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

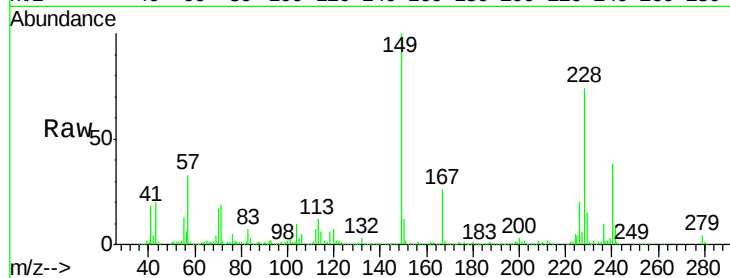
Tgt Ion:240 Resp: 409214

Ion Ratio Lower Upper

240 100

120 17.4 11.2 16.8#

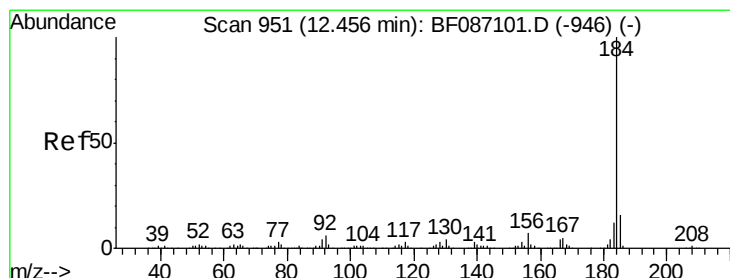
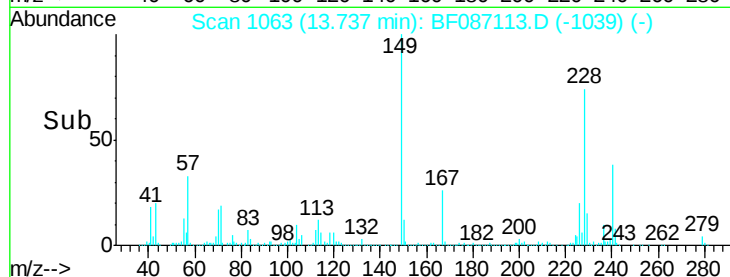
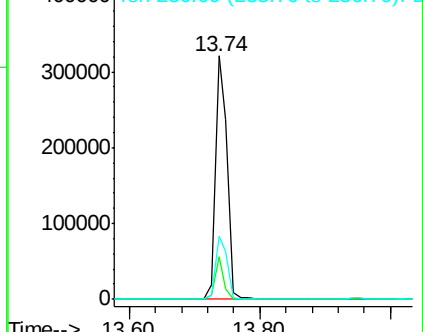
236 26.0 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.36 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

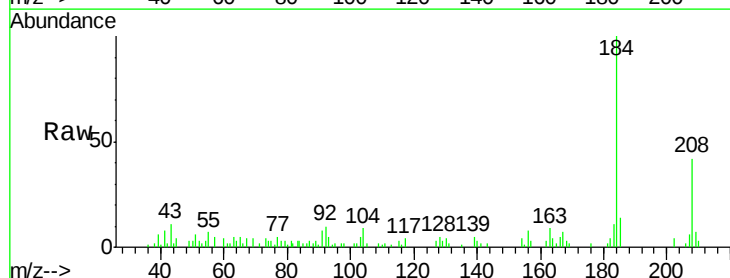
Tgt Ion:184 Resp: 37225

Ion Ratio Lower Upper

184 100

185 14.0 13.6 20.4

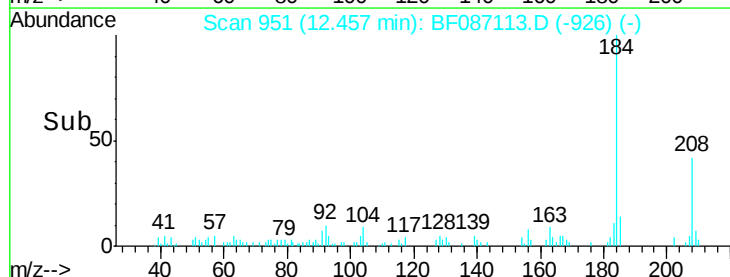
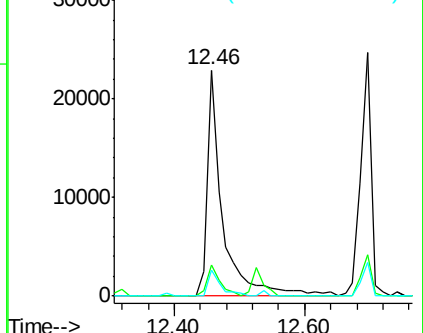
183 11.3 9.8 14.6

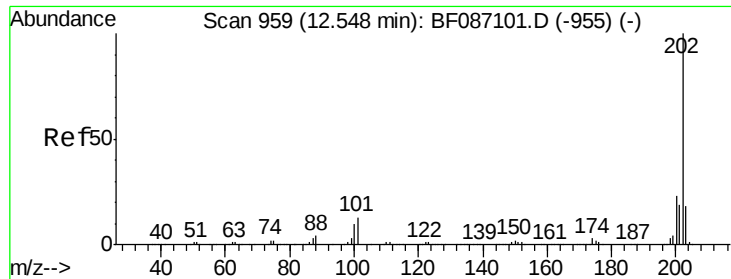


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



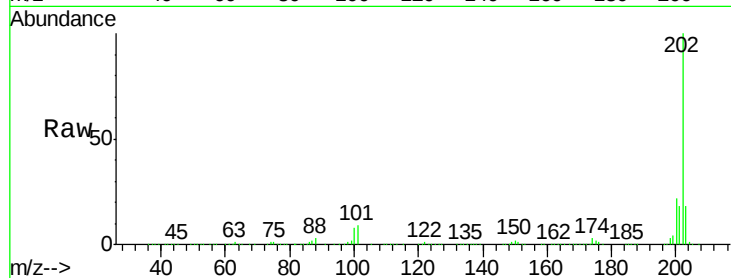


#77  
 Pyrene  
 Concen: 52.42 ng  
 RT: 12.55 min Scan# 959  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

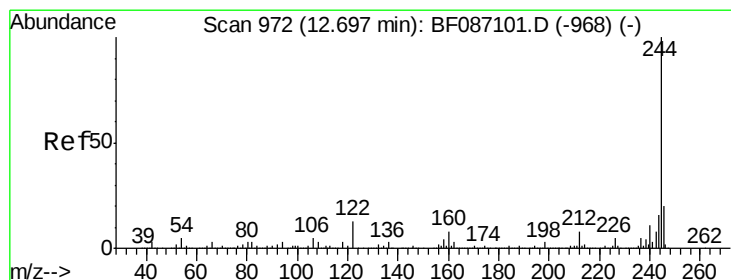
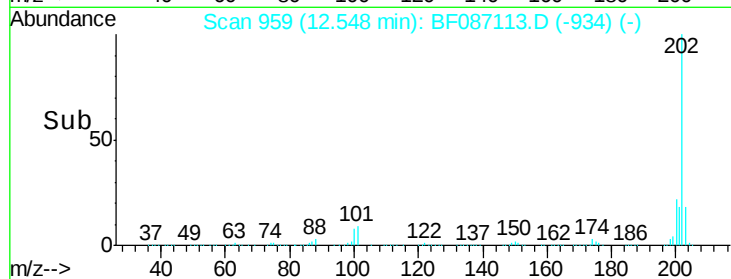
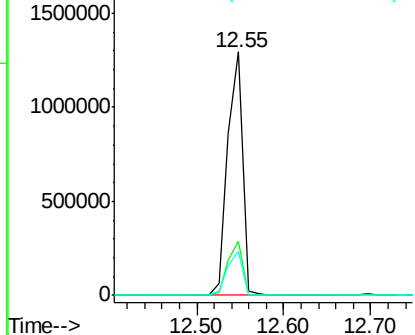
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

Tgt Ion: 202 Resp: 1549528

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.0  | 17.7  | 26.5  |
| 203 | 17.8  | 14.2  | 21.4  |



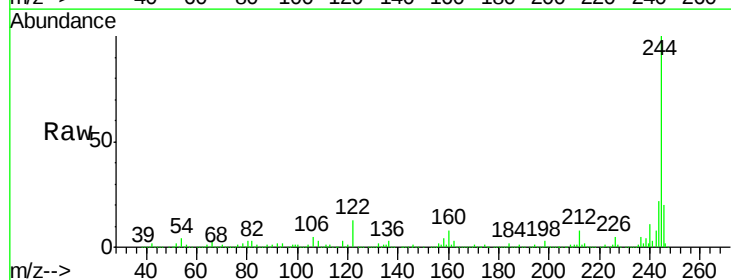
Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E



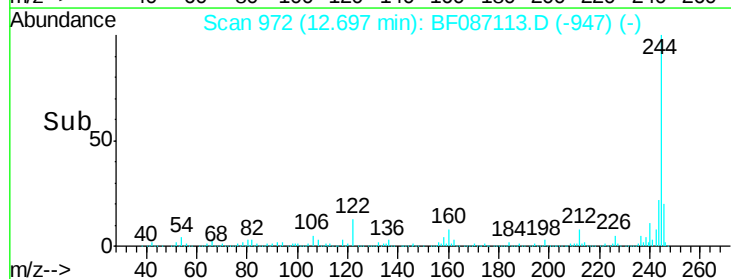
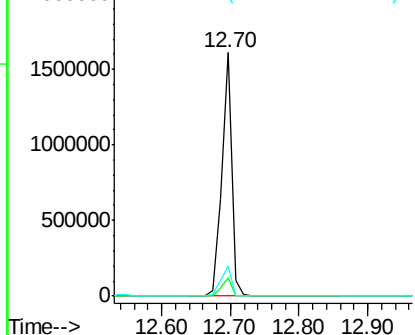
#78  
 Terphenyl-d14  
 Concen: 91.88 ng  
 RT: 12.70 min Scan# 972  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion: 244 Resp: 1662074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.7   | 6.2   | 9.2   |
| 122 | 12.5  | 12.0  | 18.0  |



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

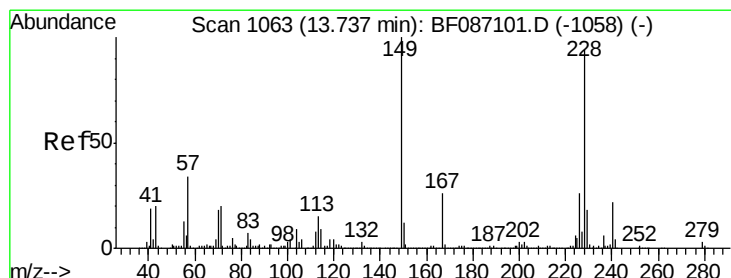
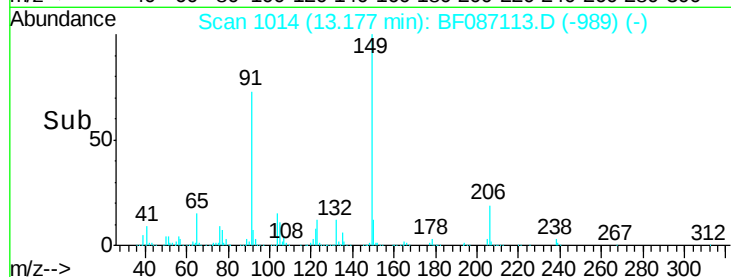
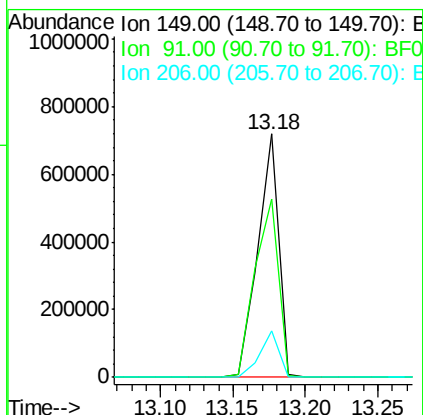
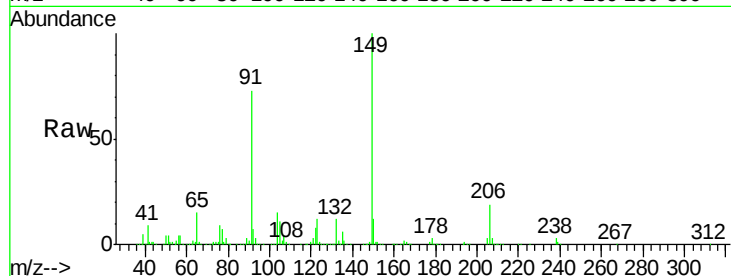




#79  
Butylbenzylphthalate  
Concen: 57.78 ng  
RT: 13.18 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

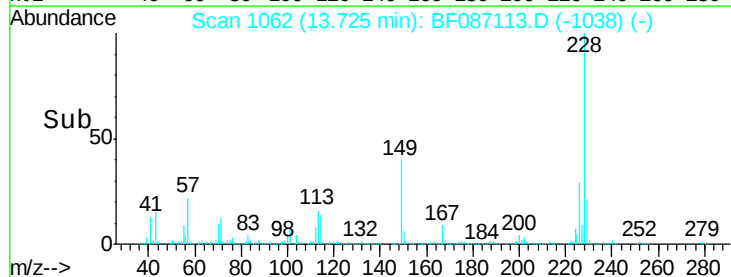
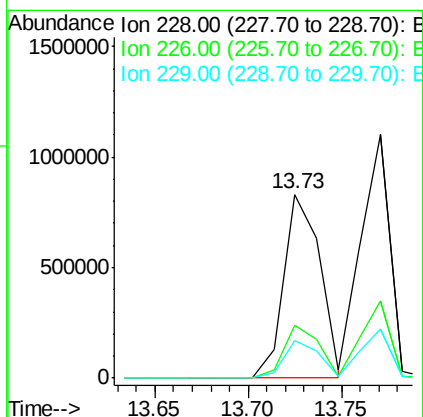
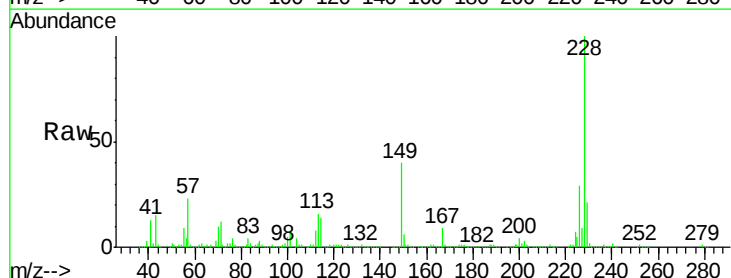
Instrument :  
BNA\_F  
ClientSampleId :  
HSR-WC-43-050616MSD

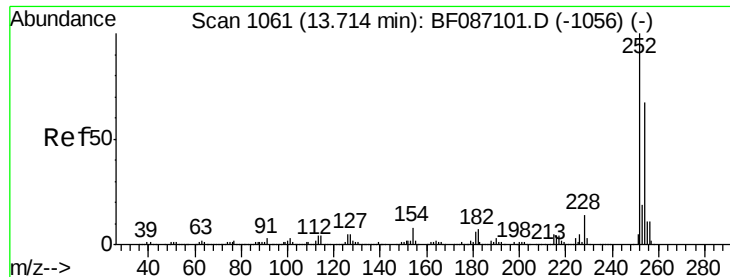
Tgt Ion:149 Resp: 721051  
Ion Ratio Lower Upper  
149 100  
91 73.2 48.0 72.0#  
206 19.2 15.8 23.6



#80  
Benzo(a)anthracene  
Concen: 47.27 ng  
RT: 13.73 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BF087113.D  
Acq: 17 May 2016 20:30

Tgt Ion:228 Resp: 1118504  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.5 33.7  
229 20.7 16.6 25.0

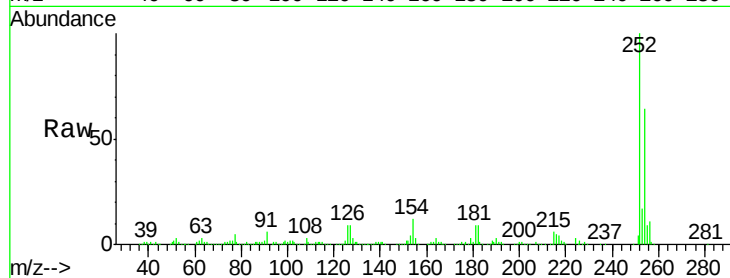




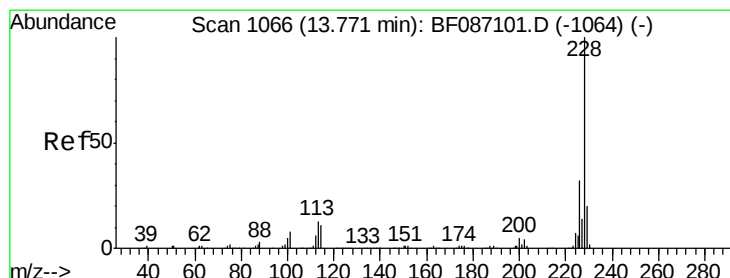
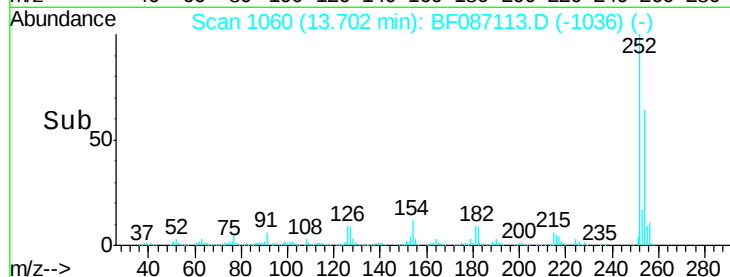
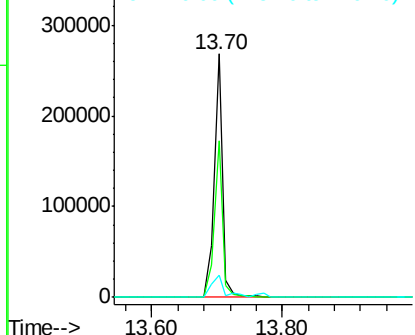
#81  
 3,3'-Dichlorobenzidine  
 Concen: 16.36 ng  
 RT: 13.70 min Scan# 1060  
 Delta R.T. -0.02 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

Tgt Ion: 252 Resp: 246382  
 Ion Ratio Lower Upper  
 252 100  
 254 64.3 50.7 76.1  
 126 8.8 12.7 19.1#

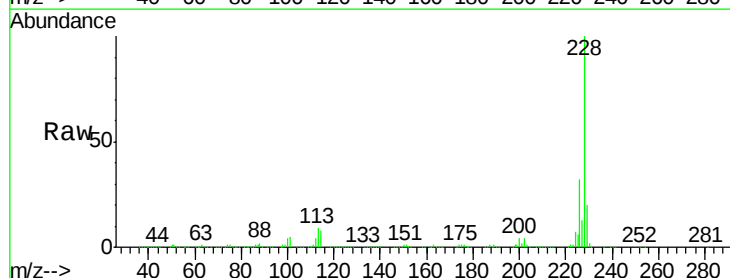


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

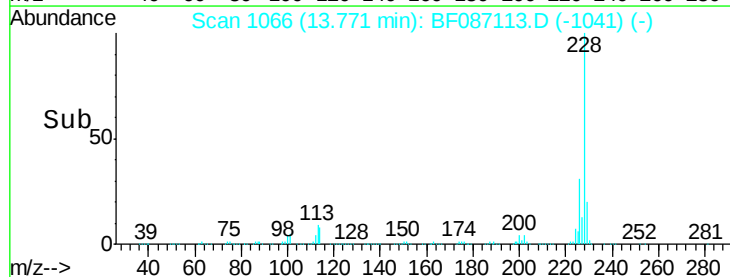
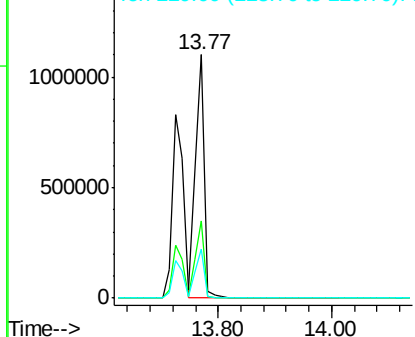


#82  
 Chrysene  
 Concen: 52.40 ng  
 RT: 13.77 min Scan# 1066  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

Tgt Ion: 228 Resp: 1199590  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.4 36.6  
 229 20.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 55.32 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

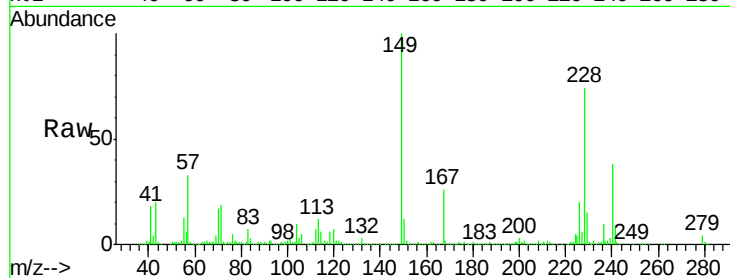
Tgt Ion:149 Resp: 840217

Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.6

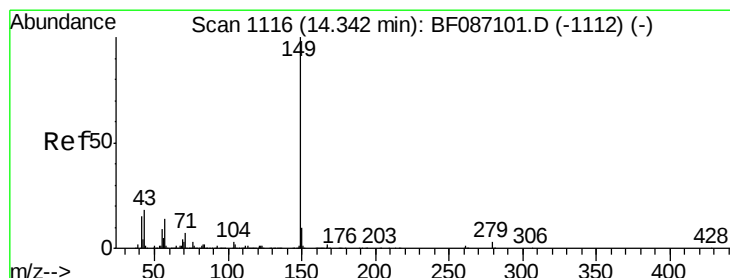
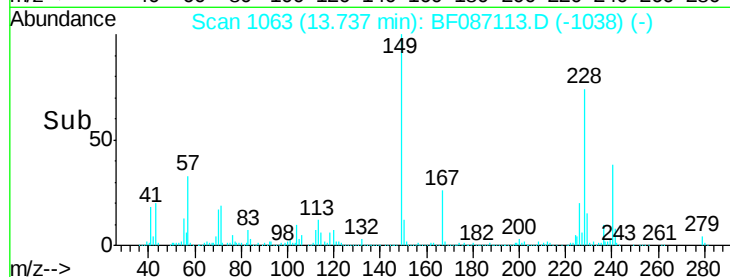
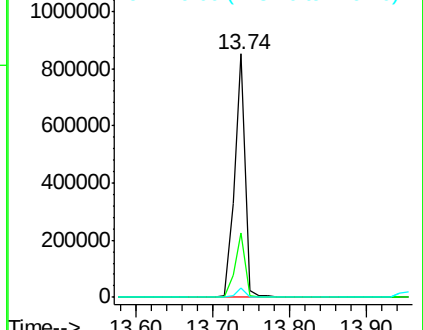
279 3.9 2.6 4.0



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: 53.54 ng

RT: 14.34 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

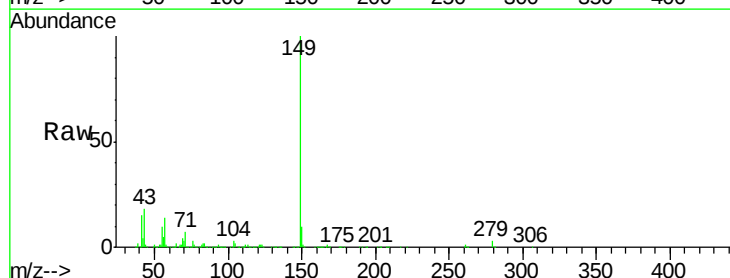
Tgt Ion:149 Resp: 1400957

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

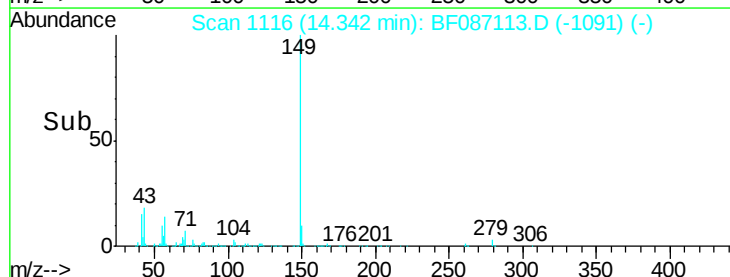
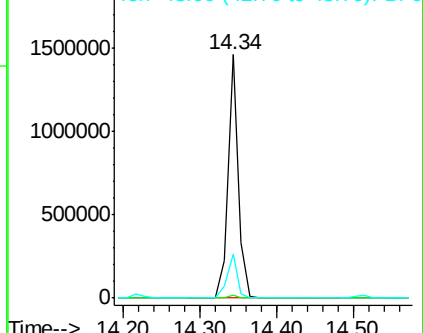
43 17.6 8.2 12.4#

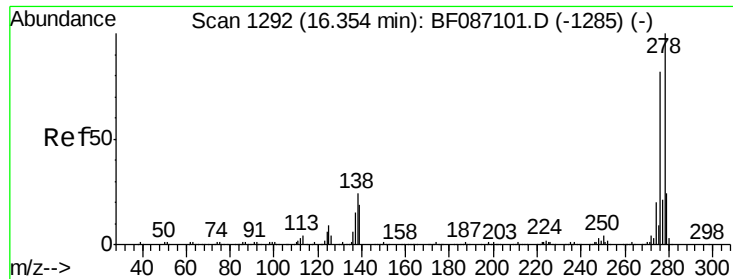


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

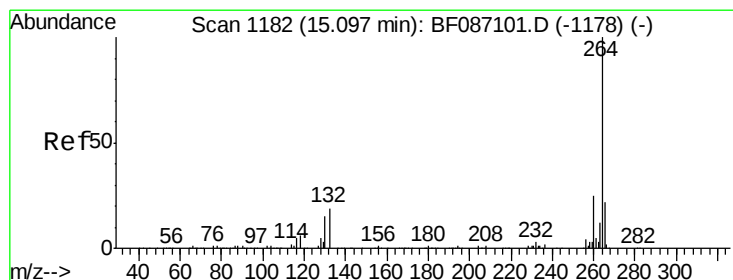
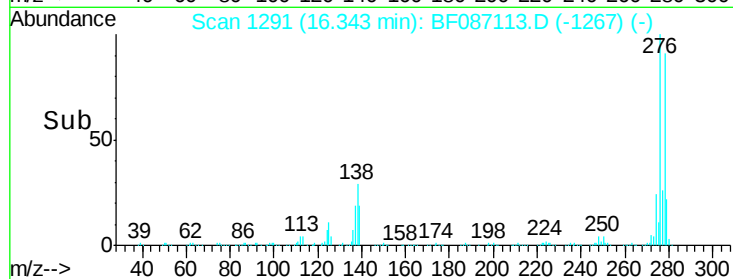
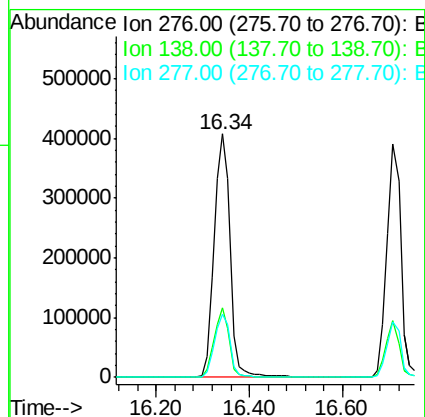
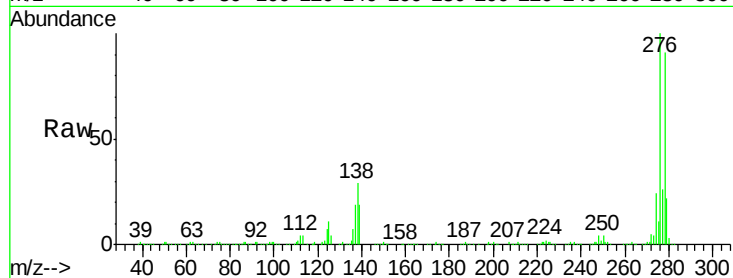




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.39 ng  
 RT: 16.34 min Scan# 1291  
 Delta R.T. -0.02 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

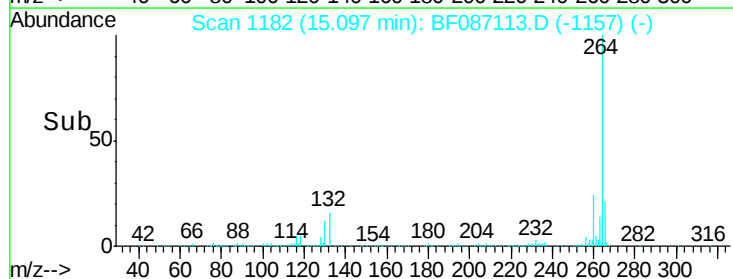
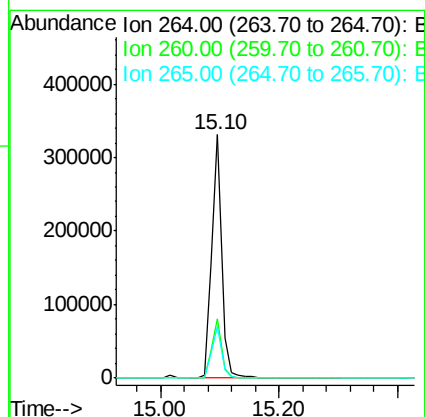
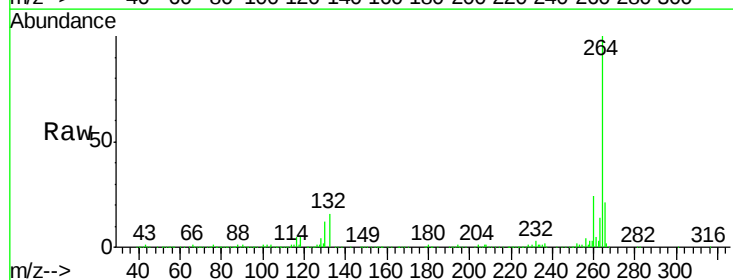
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HSR-WC-43-050616MSD

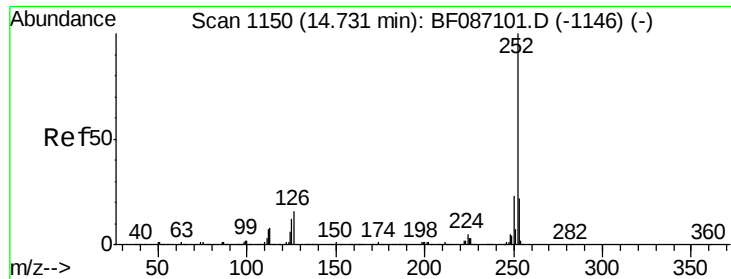
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.0  | 25.6  | 38.4  |
| 277     | 25.6  | 20.5  | 30.7  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.10 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BF087113.D  
 Acq: 17 May 2016 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.5  | 29.3  |
| 265     | 21.0  | 17.3  | 25.9  |





#87

Benzo(b)fluoranthene

Concen: 77.65 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

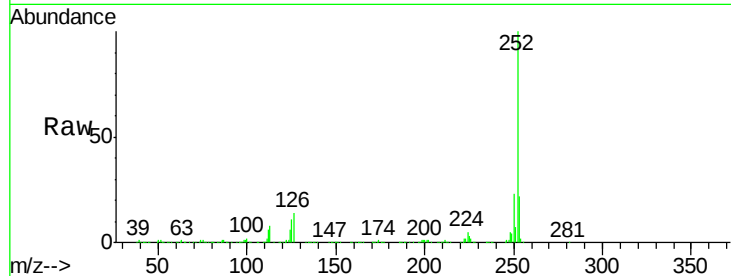
Tgt Ion:252 Resp: 2000259

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

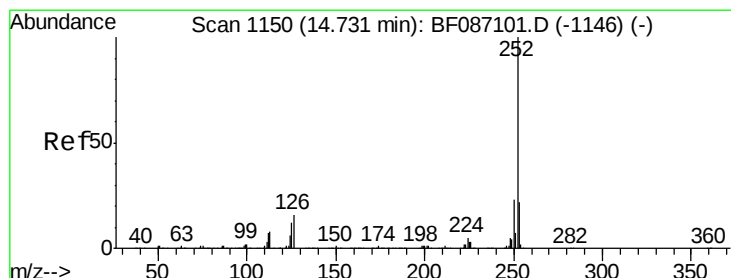
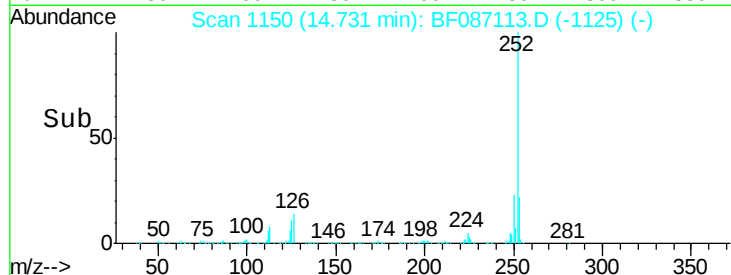
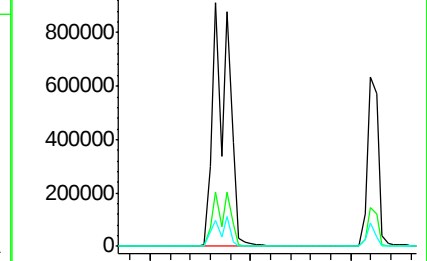
125 10.8 11.4 17.0#



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: 104.33 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

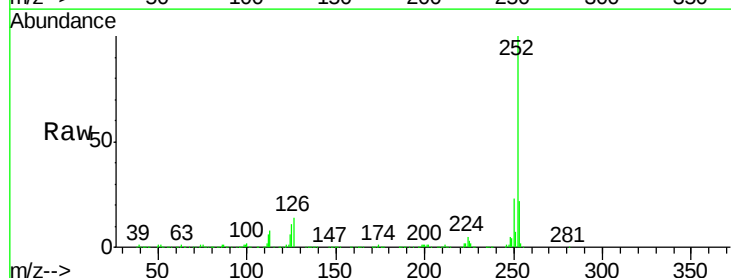
Tgt Ion:252 Resp: 2000761

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

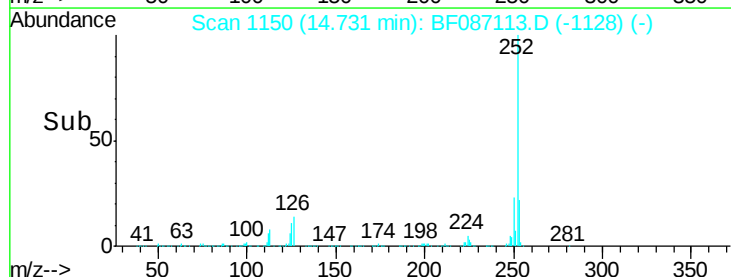
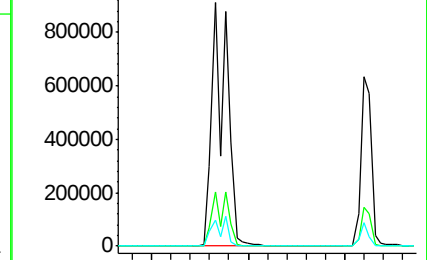
125 10.8 9.1 13.7

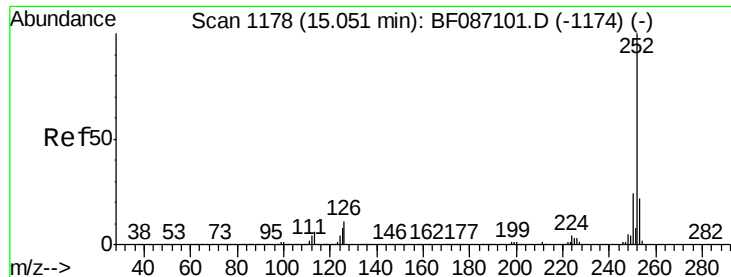


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 45.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD

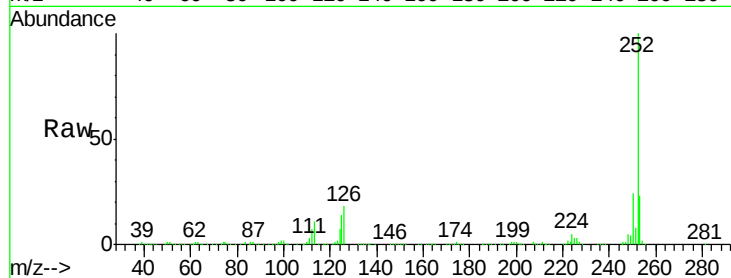
Tgt Ion:252 Resp: 968829

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

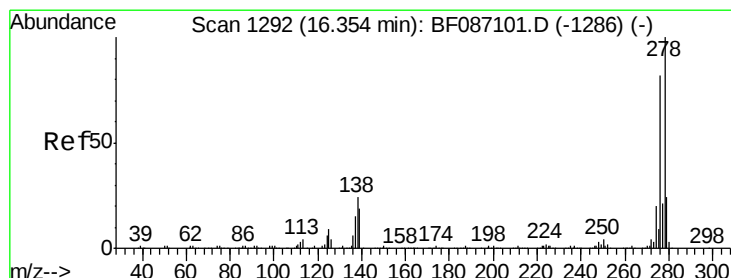
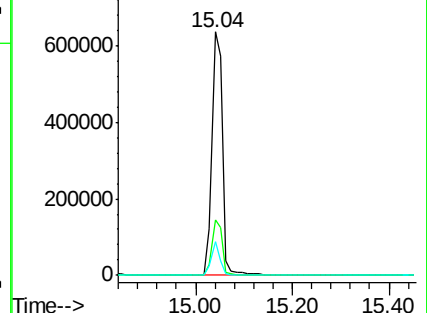
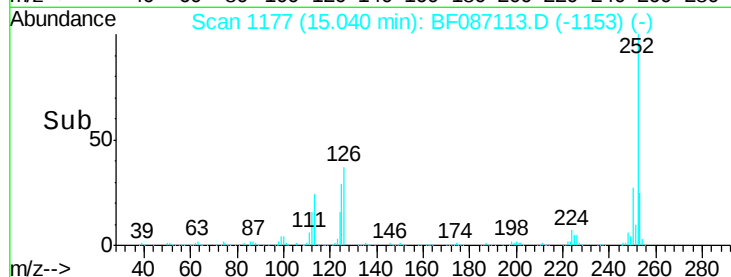
125 13.8 9.0 13.6#



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: 44.59 ng

RT: 16.35 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF087113.D

Acq: 17 May 2016 20:30

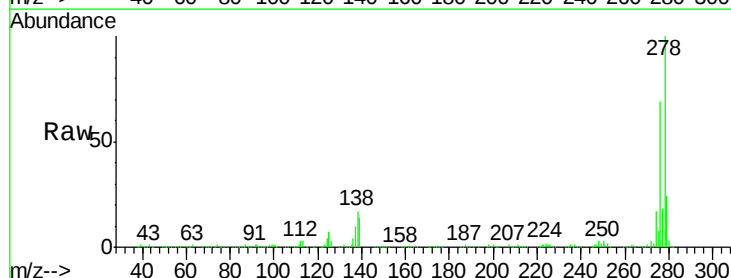
Tgt Ion:278 Resp: 808354

Ion Ratio Lower Upper

278 100

139 14.1 16.6 24.8#

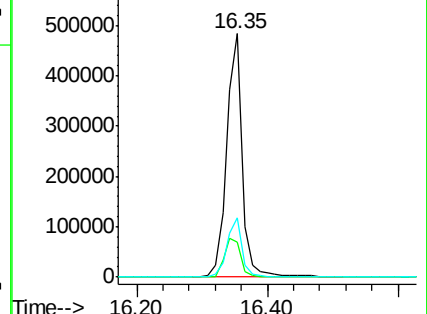
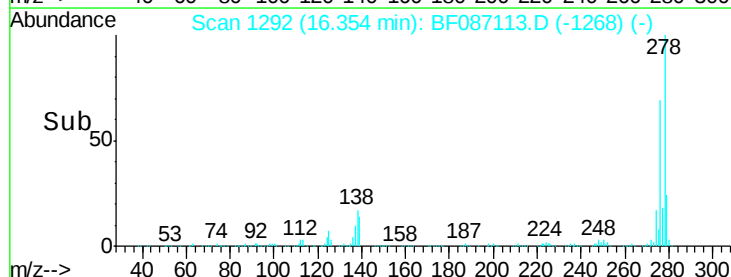
279 24.3 19.6 29.4

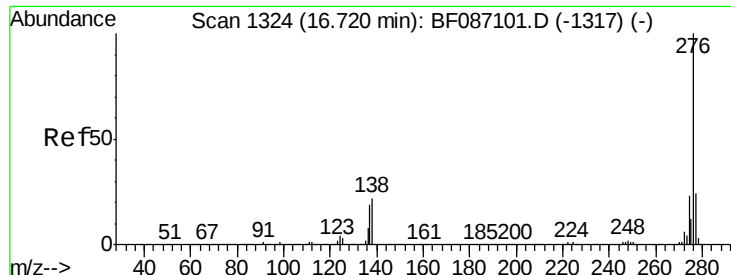


Abundance Ion 278.00 (277.70 to 278.70): E

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: 44.69 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF087113.D

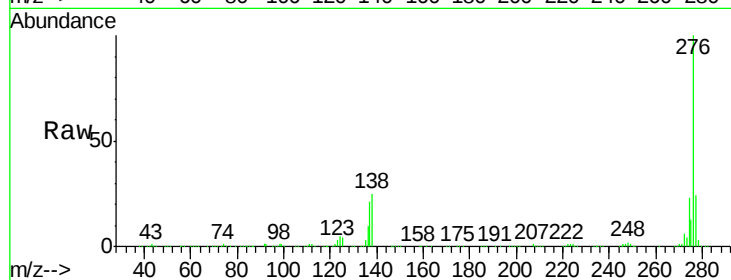
Acq: 17 May 2016 20:30

Instrument :

BNA\_F

ClientSampleId :

HSR-WC-43-050616MSD



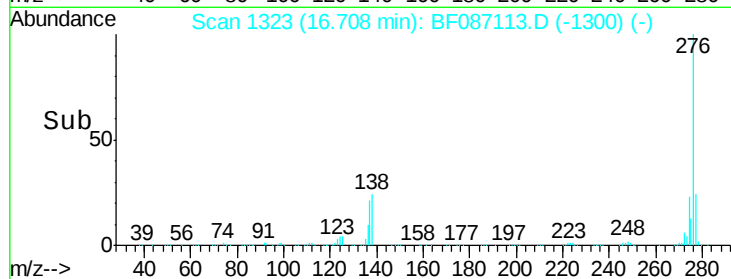
Tgt Ion: 276 Resp: 818181

Ion Ratio Lower Upper

276 100

277 23.7 19.6 29.4

138 24.5 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

