

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\  
 Data File : BF097572.D  
 Acq On : 10 Aug 2017 21:51  
 Operator : SJ/JU  
 Sample : I4689-01MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

Quant Time: Aug 11 01:04:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.39  | 152  | 107152   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.67  | 136  | 453299   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.42  | 164  | 188997   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 10.89 | 188  | 299230   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 13.52 | 240  | 153406   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 14.86 | 264  | 188563   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 4.99  | 112  | 604493   | 85.04 | ng    | -0.01    |
| 7) Phenol-d6                | 6.07  | 99   | 730449   | 90.02 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 6.97  | 82   | 451058   | 58.37 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.21 | 330  | 123947   | 83.00 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.75  | 172  | 671389   | 60.29 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.47 | 244  | 432202   | 57.44 | ng    | -0.02    |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 1.89 | 88   | 74269    | 25.04 | ng    | # 73   |
| 3) Pyridine                    | 2.50 | 79   | 206296   | 22.71 | ng    | # 61   |
| 4) n-Nitrosodimethylamine      | 2.45 | 42   | 129814   | 25.80 | ng    | 80     |
| 6) Aniline                     | 6.06 | 93   | 259388   | 25.40 | ng    | 96     |
| 8) 2-Chlorophenol              | 6.19 | 128  | 226114   | 29.75 | ng    | 94     |
| 9) Benzaldehyde                | 5.95 | 77   | 94445    | 19.66 | ng    | 94     |
| 10) Phenol                     | 6.09 | 94   | 321863   | 33.44 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.14 | 93   | 225392   | 29.61 | ng    | 91     |
| 12) 1,3-Dichlorobenzene        | 6.33 | 146  | 220972   | 26.98 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.41 | 146  | 231593   | 28.53 | ng    | 95     |
| 14) 1,2-Dichlorobenzene        | 6.56 | 146  | 204907   | 28.91 | ng    | 99     |
| 15) Benzyl Alcohol             | 6.56 | 79   | 187711   | 36.54 | ng    | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 6.68 | 45   | 470138   | 30.79 | ng    | 90     |
| 17) 2-Methylphenol             | 6.69 | 107  | 182835   | 31.17 | ng    | # 90   |
| 18) Hexachloroethane           | 6.89 | 117  | 79777    | 26.86 | ng    | # 77   |
| 19) n-Nitroso-di-n-propylamine | 6.83 | 70   | 161388   | 30.22 | ng    | # 79   |
| 20) 3+4-Methylphenols          | 6.86 | 107  | 243971   | 31.84 | ng    | # 64   |
| 22) Acetophenone               | 6.82 | 105  | 309609   | 28.44 | ng    | # 99   |
| 24) Nitrobenzene               | 6.99 | 77   | 236749   | 29.42 | ng    | 96     |
| 25) Isophorone                 | 7.23 | 82   | 411759   | 27.21 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.30 | 139  | 121962   | 28.01 | ng    | # 81   |
| 27) 2,4-Dimethylphenol         | 7.37 | 122  | 196070   | 27.30 | ng    | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.45 | 93   | 282185   | 28.58 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 7.57 | 162  | 185352   | 29.96 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.62 | 180  | 159839   | 27.10 | ng    | 98     |
| 31) Naphthalene                | 7.70 | 128  | 614466   | 28.76 | ng    | 100    |
| 32) Benzoic acid               | 7.37 | 122  | 196070   | 36.56 | ng    | # 12   |
| 33) 4-Chloroaniline            | 7.77 | 127  | 191164   | 21.99 | ng    | 99     |
| 34) Hexachlorobutadiene        | 7.82 | 225  | 81330    | 26.01 | ng    | 98     |
| 35) Caprolactam                | 8.14 | 113  | 47977    | 24.18 | ng    | # 51   |
| 36) 4-Chloro-3-methylphenol    | 8.27 | 107  | 193732   | 28.70 | ng    | # 84   |
| 37) 2-Methylnaphthalene        | 8.39 | 142  | 407129   | 30.09 | ng    | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.56 | 216  | 146123   | 28.98 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 8.54 | 237  | 19892    | 16.94 | ng    | 94     |

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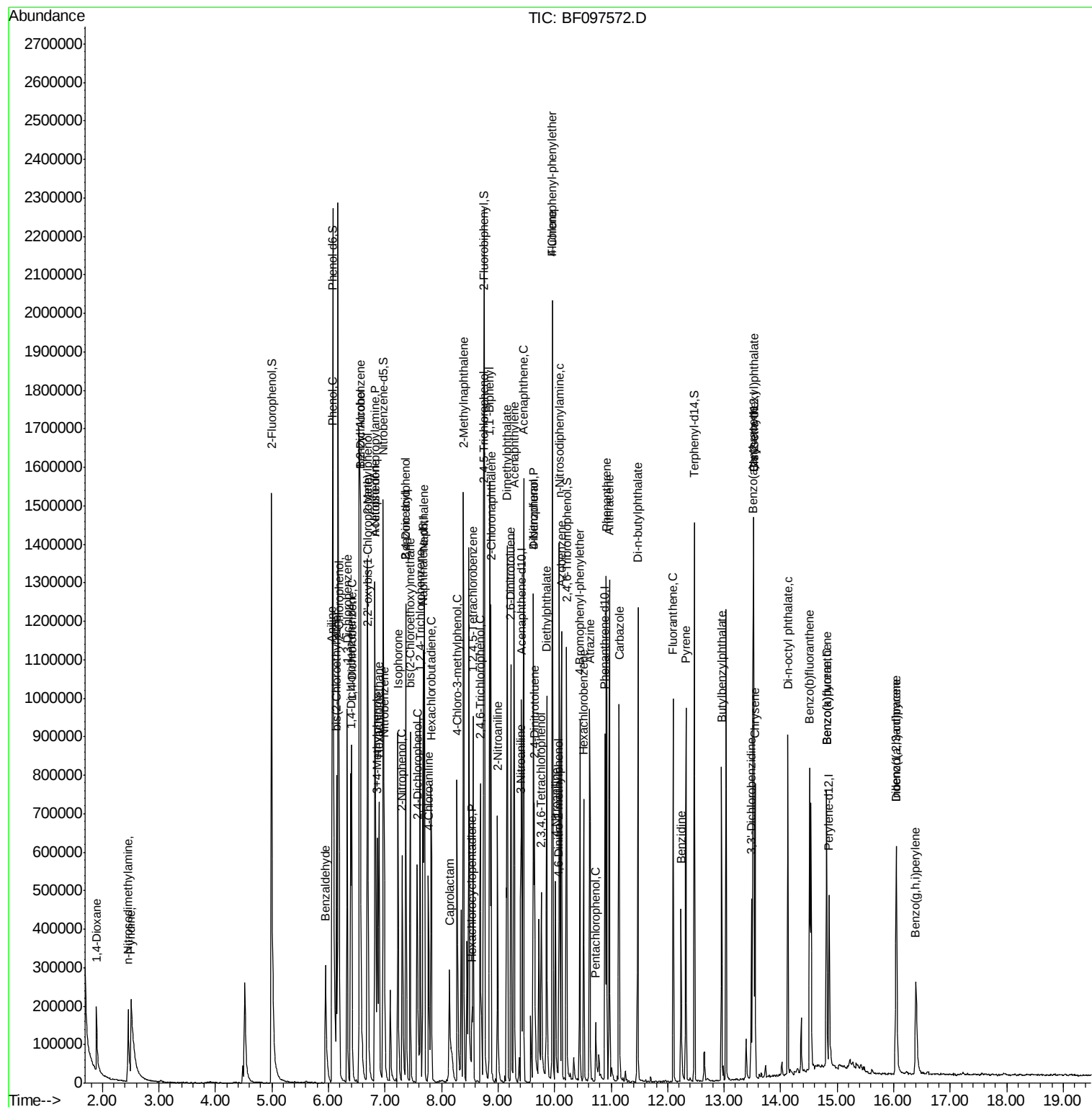
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.69  | 196  | 95639    | 26.17  | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 8.74  | 196  | 91982    | 25.15  | nq    | 98       |
| 45) 1,1'-Biphenyl              | 8.85  | 154  | 454654   | 28.16  | nq    | 98       |
| 46) 2-Chloronaphthalene        | 8.87  | 162  | 345941   | 29.12  | nq    | # 94     |
| 47) 2-Nitroaniline             | 8.99  | 65   | 140280   | 32.54  | nq    | 92       |
| 48) Acenaphthylene             | 9.28  | 152  | 541663   | 29.71  | nq    | 99       |
| 49) Dimethylphthalate          | 9.16  | 163  | 546947   | 38.11  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.23  | 165  | 88218    | 28.98  | nq    | # 81     |
| 51) Acenaphthene               | 9.45  | 154  | 315491   | 29.37  | nq    | 99       |
| 52) 3-Nitroaniline             | 9.40  | 138  | 95619    | 25.31  | nq    | # 93     |
| 54) Dibenzofuran               | 9.63  | 168  | 478106   | 33.42  | nq    | 95       |
| 55) 4-Nitrophenol              | 9.62  | 139  | 247174   | 110.01 | nq    | # 39     |
| 56) 2,4-Dinitrotoluene         | 9.65  | 165  | 120000   | 34.29  | nq    | # 80     |
| 57) Fluorene                   | 9.96  | 166  | 342449   | 31.85  | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 9.76  | 232  | 67609    | 26.77  | nq    | 96       |
| 59) Diethylphthalate           | 9.86  | 149  | 405383   | 30.79  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 9.96  | 204  | 141880   | 31.95  | nq    | 95       |
| 61) 4-Nitroaniline             | 10.02 | 138  | 90793    | 25.29  | nq    | 93       |
| 62) Azobenzene                 | 10.12 | 77   | 405055   | 33.16  | nq    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.07 | 198  | 10115    | 5.44   | nq    | # 65     |
| 65) n-Nitrosodiphenylamine     | 10.09 | 169  | 321613   | 30.89  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.45 | 248  | 89600    | 30.00  | nq    | 93       |
| 67) Hexachlorobenzene          | 10.52 | 284  | 91960    | 27.46  | nq    | # 90     |
| 68) Atrazine                   | 10.62 | 200  | 93530    | 31.33  | nq    | 93       |
| 69) Pentachlorophenol          | 10.73 | 266  | 28602    | 20.64  | nq    | 96       |
| 70) Phenanthrene               | 10.92 | 178  | 475233   | 29.64  | nq    | 99       |
| 71) Anthracene                 | 10.97 | 178  | 494353   | 30.10  | nq    | 99       |
| 72) Carbazole                  | 11.14 | 167  | 449154   | 27.81  | nq    | 98       |
| 73) Di-n-butylphthalate        | 11.47 | 149  | 599724   | 30.04  | nq    | 98       |
| 74) Fluoranthene               | 12.10 | 202  | 398091   | 25.35  | nq    | 98       |
| 76) Benzidine                  | 12.23 | 184  | 203089   | 35.68  | nq    | # 93     |
| 77) Pyrene                     | 12.32 | 202  | 385108   | 30.66  | nq    | 99       |
| 79) Butylbenzylphthalate       | 12.96 | 149  | 189362   | 29.64  | nq    | # 83     |
| 80) Benzo(a)anthracene         | 13.51 | 228  | 261678   | 26.36  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 13.48 | 252  | 95770    | 25.59  | nq    | # 96     |
| 82) Chrysene                   | 13.55 | 228  | 262065   | 27.04  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.52 | 149  | 216916   | 26.01  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 14.13 | 149  | 404275   | 26.41  | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.04 | 276  | 238910   | 28.75  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.52 | 252  | 315738   | 27.86  | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 14.81 | 252  | 242165   | 22.42  | nq    | 98       |
| 89) Benzo(a)pyrene             | 14.81 | 252  | 301163   | 29.03  | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 16.04 | 278  | 203487   | 23.92  | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.39 | 276  | 195225   | 21.88  | nq    | 97       |

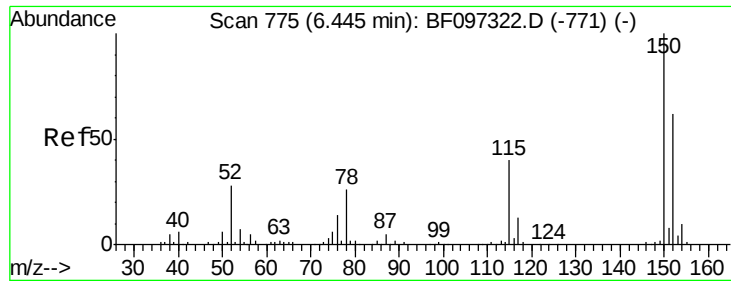
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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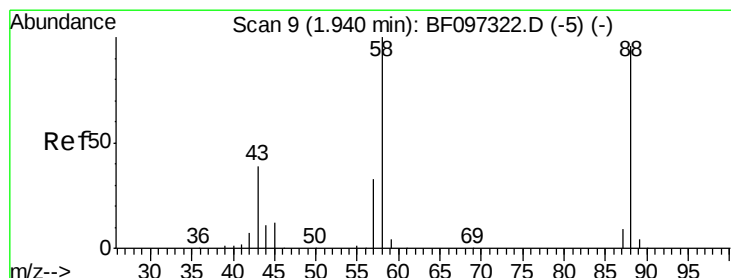
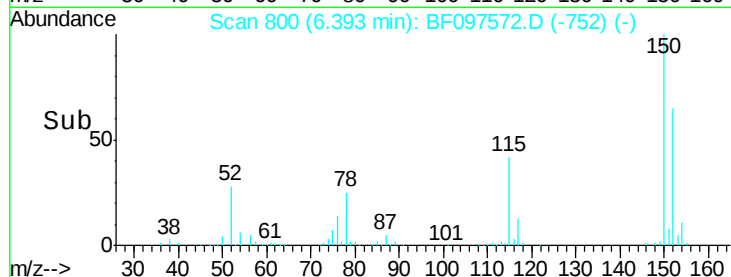
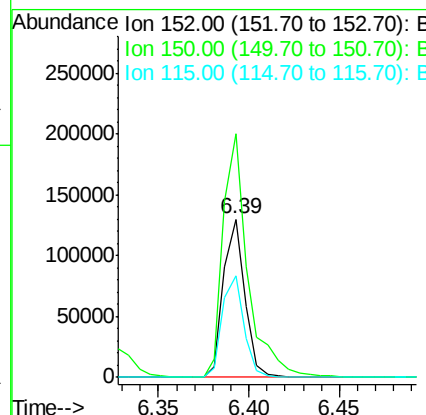
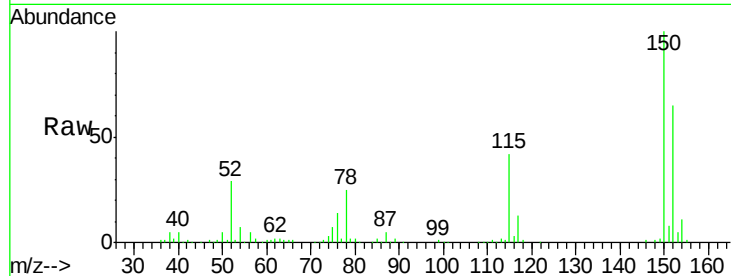


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.39 min Scan# 800  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Instrument :  
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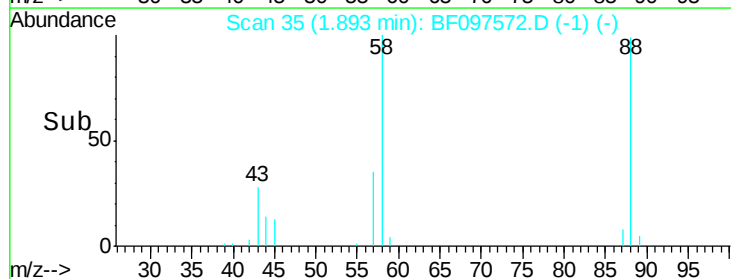
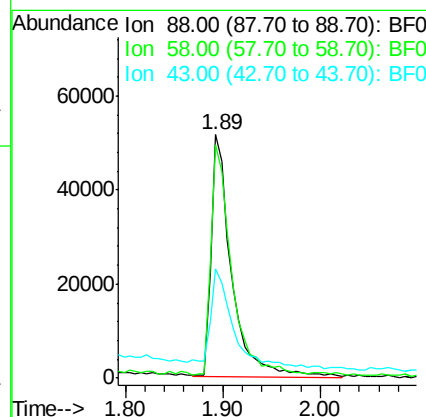
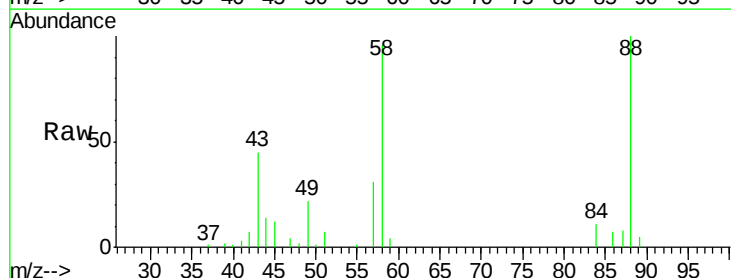
Tot Ion:152 Resp: 107152  
Ion Ratio Lower Upper  
152 100  
150 154.0 126.2 189.2  
115 64.1 52.2 78.2

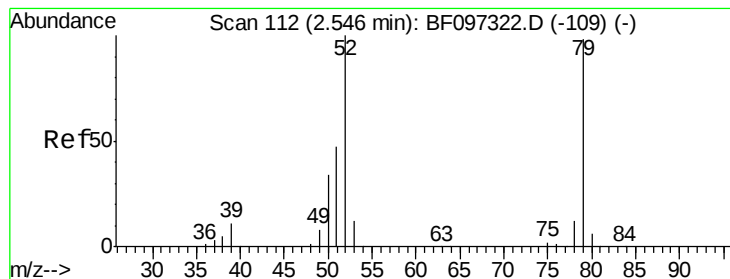


#2

1,4-Dioxane  
Concen: 25.04 ng  
RT: 1.89 min Scan# 35  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion: 88 Resp: 74269  
Ion Ratio Lower Upper  
88 100  
58 96.0 61.4 92.0#  
43 50.7 23.4 35.0#





#3

Pvridine

Concen: 22.71 ng

RT: 2.50 min Scan# 139

Delta R.T. 0.01 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

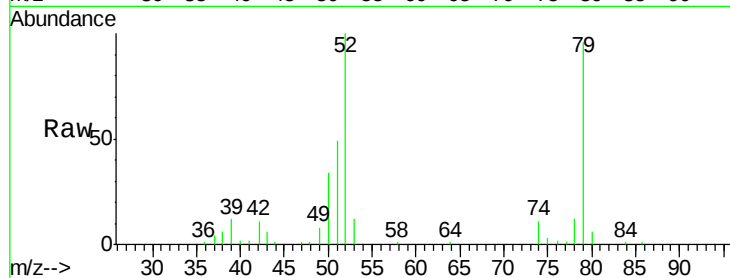
Tot Ion: 79 Resp: 206296

Ion Ratio Lower Upper

79 100

52 103.7 54.8 82.2#

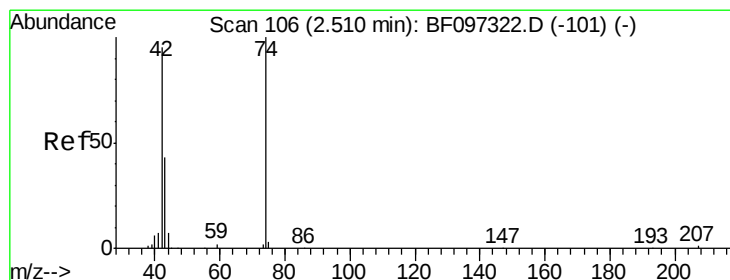
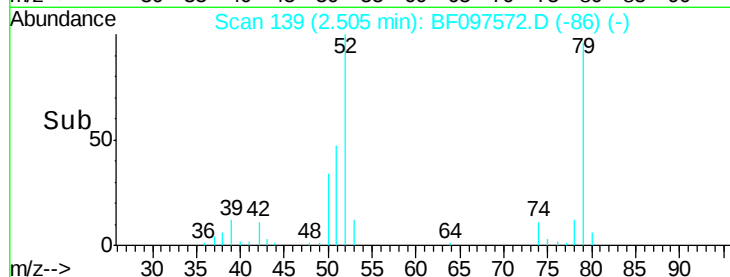
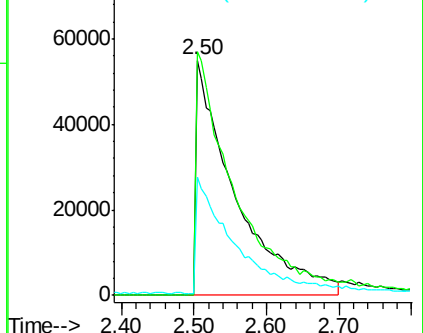
51 50.5 27.0 40.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 25.80 ng

RT: 2.45 min Scan# 130

Delta R.T. -0.01 min

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Acq: 10 Aug 2017 21:51

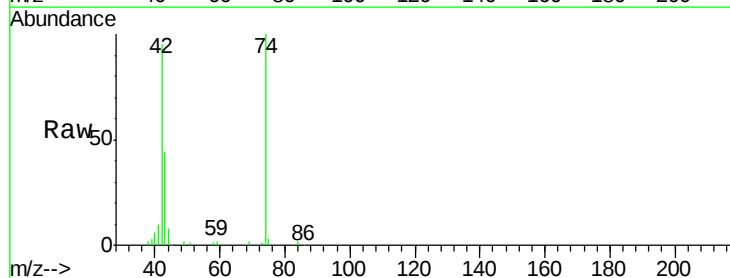
Tgt Ion: 42 Resp: 129814

Ion Ratio Lower Upper

42 100

74 105.5 103.9 155.9

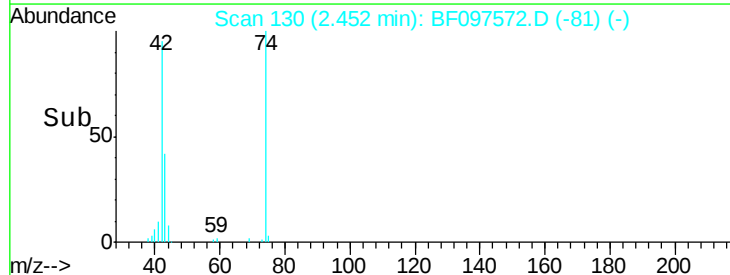
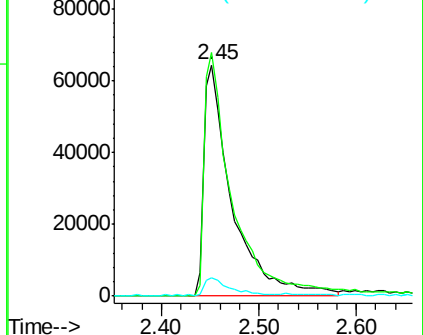
44 8.0 5.7 8.5

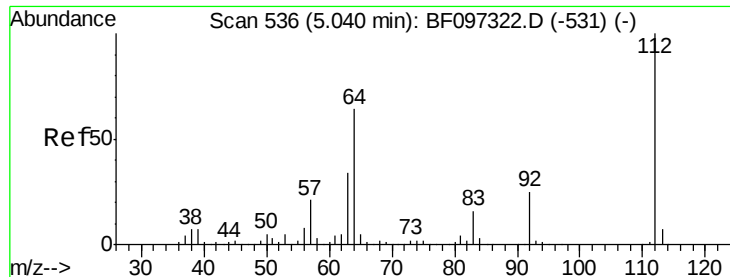


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 85.04 ng

RT: 4.99 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF097572.D

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Instrument :

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ClientSampleId :

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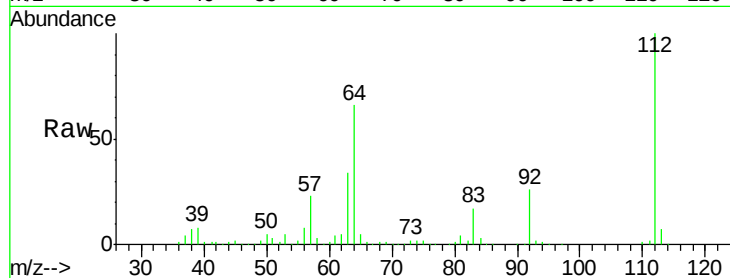
Tot Ion:112 Resp: 604493

Ion Ratio Lower Upper

112 100

64 66.0 46.0 69.0

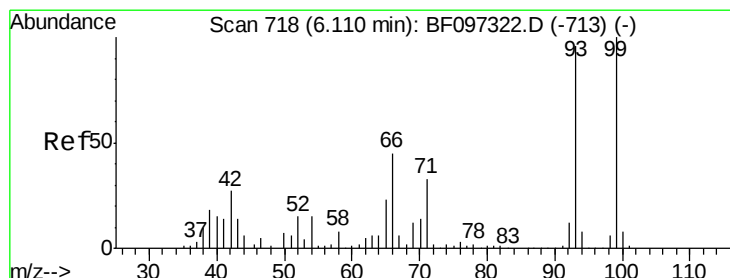
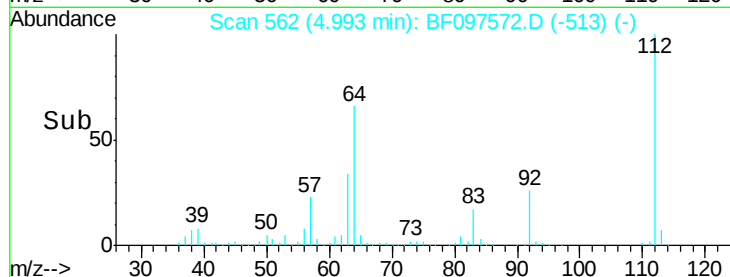
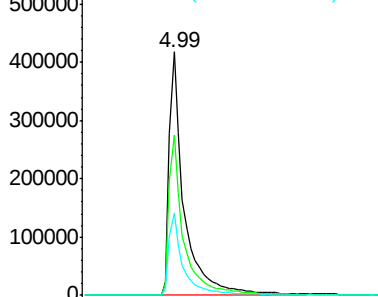
63 33.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 25.40 ng

RT: 6.06 min Scan# 743

Delta R.T. -0.02 min

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Acq: 10 Aug 2017 21:51

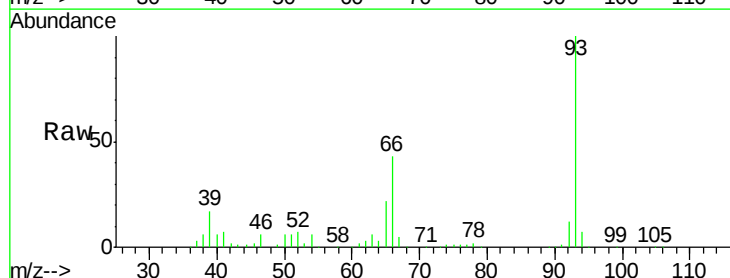
Tgt Ion: 93 Resp: 259388

Ion Ratio Lower Upper

93 100

66 43.2 32.9 49.3

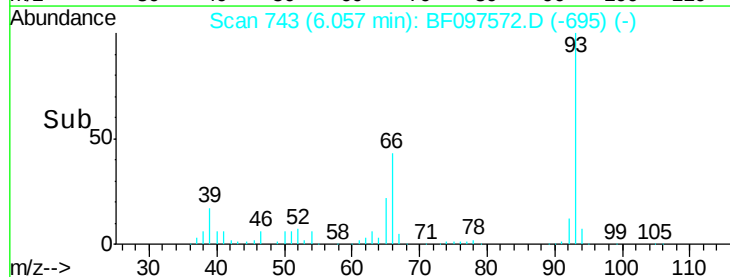
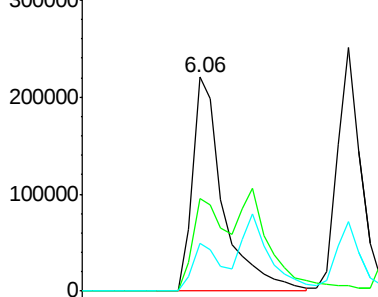
65 22.5 16.0 24.0

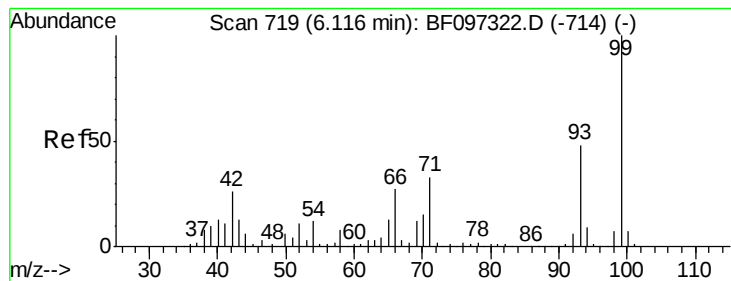


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 90.02 ng

RT: 6.07 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

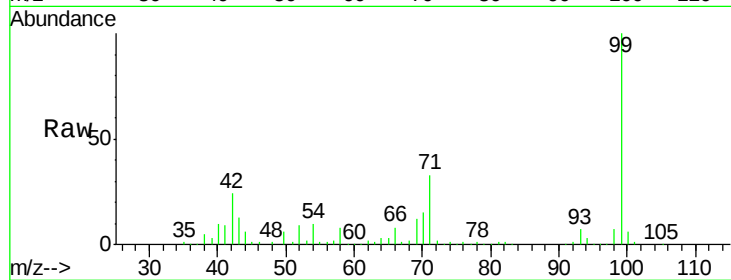
Tot Ion: 99 Resp: 730449

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

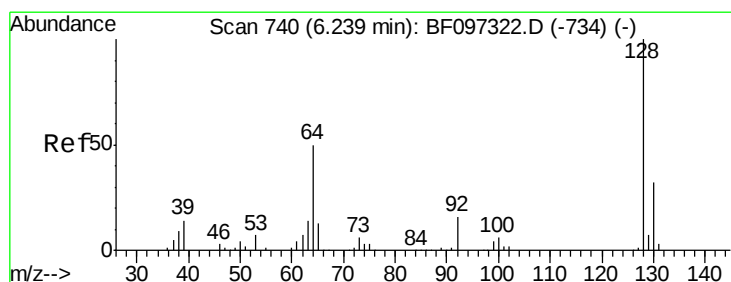
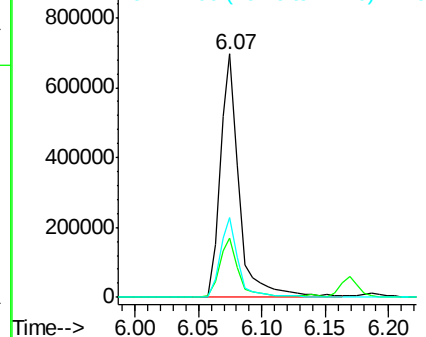
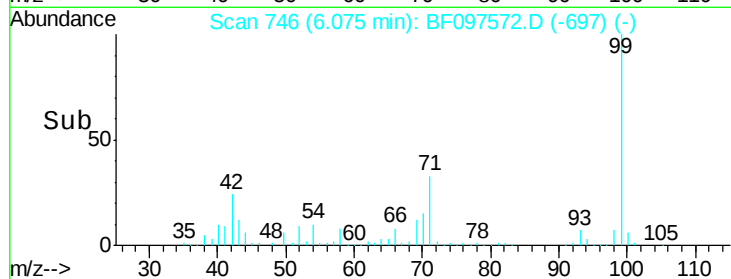
71 32.9 24.5 36.7



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: 29.75 ng

RT: 6.19 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

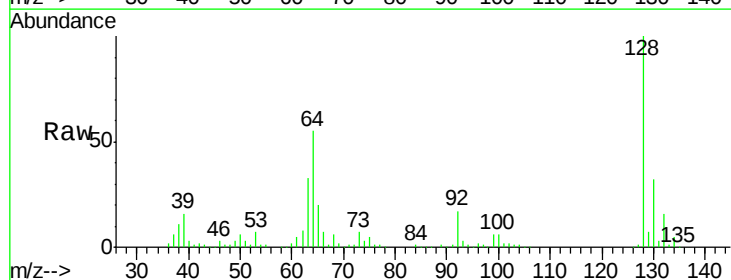
Tgt Ion: 128 Resp: 226114

Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

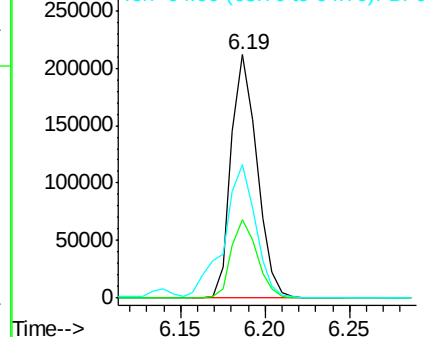
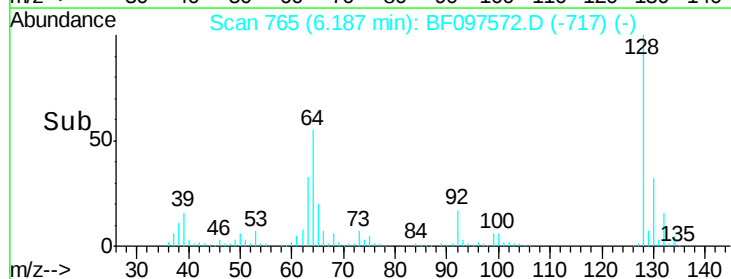
64 55.0 28.4 68.4

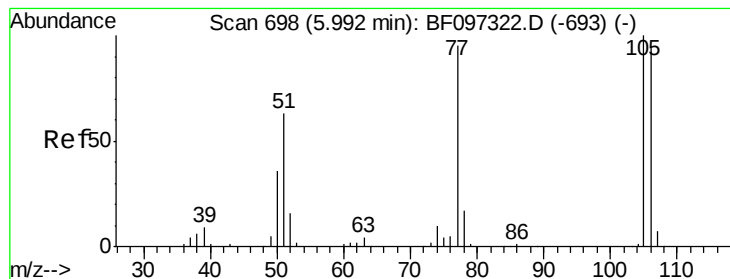


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 19.66 ng

RT: 5.95 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

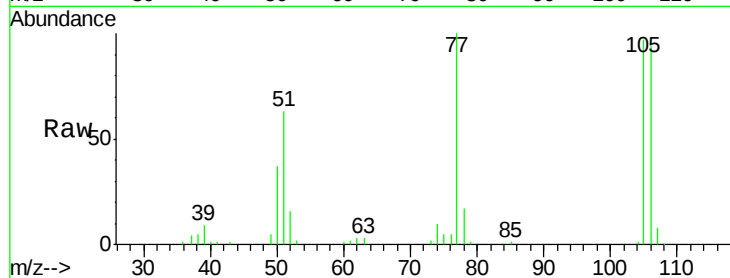
Tot Ion: 77 Resp: 94445

Ion Ratio Lower Upper

77 100

105 97.4 83.8 123.8

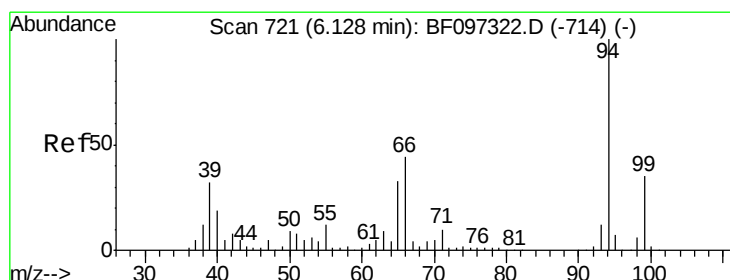
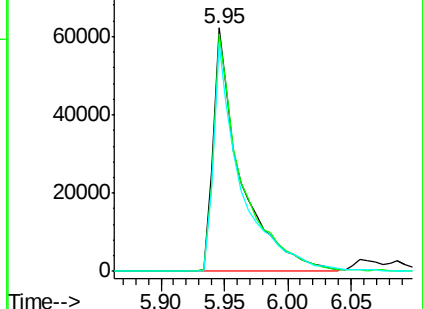
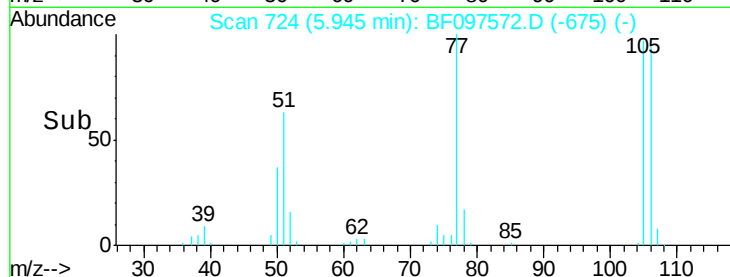
106 93.6 79.1 119.1



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: 33.44 ng

RT: 6.09 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

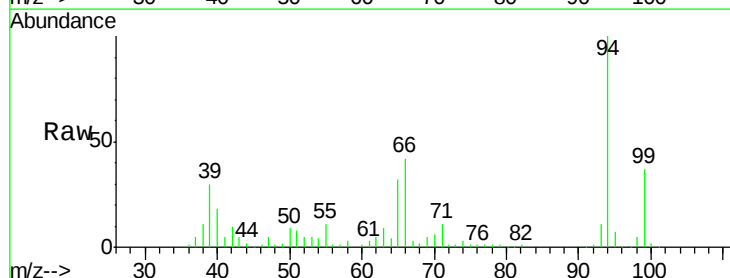
Tgt Ion: 94 Resp: 321863

Ion Ratio Lower Upper

94 100

65 31.8 9.9 49.9

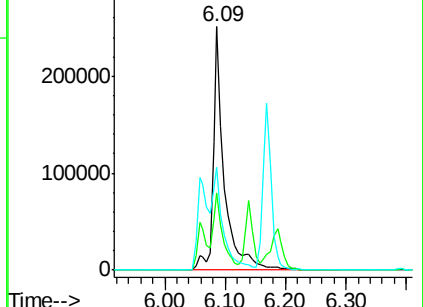
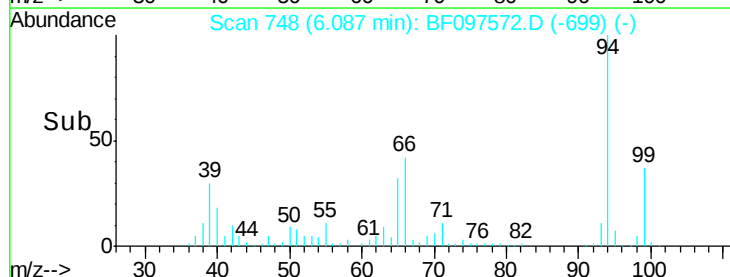
66 42.4 23.1 63.1

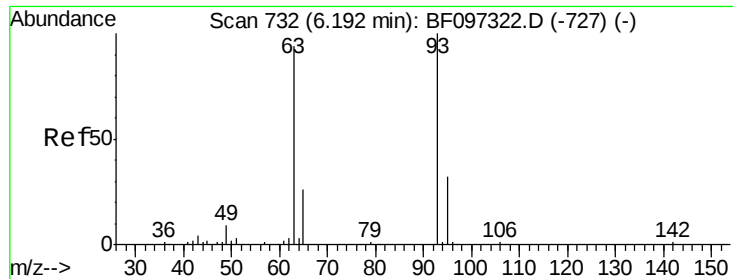


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 29.61 ng

RT: 6.14 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

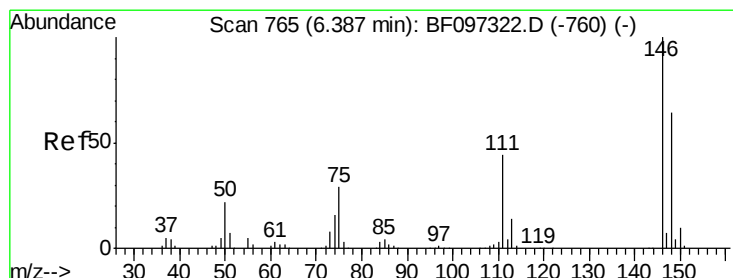
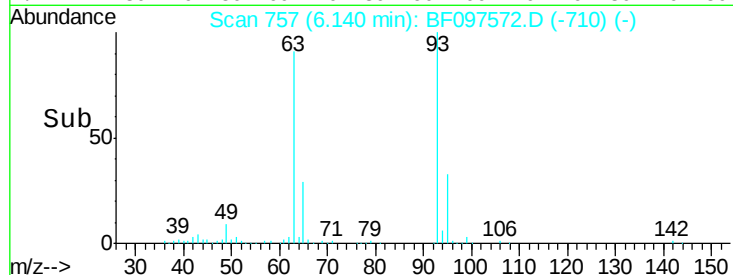
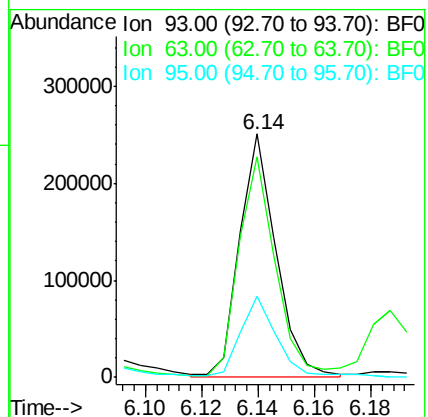
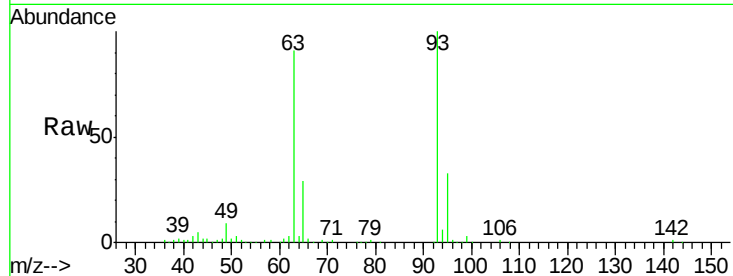
Tot Ion: 93 Resp: 225392

Ion Ratio Lower Upper

93 100

63 90.7 59.2 99.2

95 33.1 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 26.98 ng

RT: 6.33 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

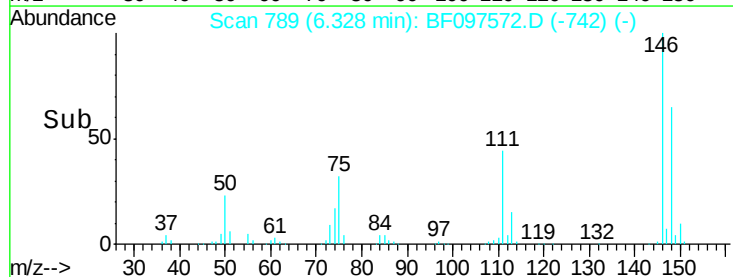
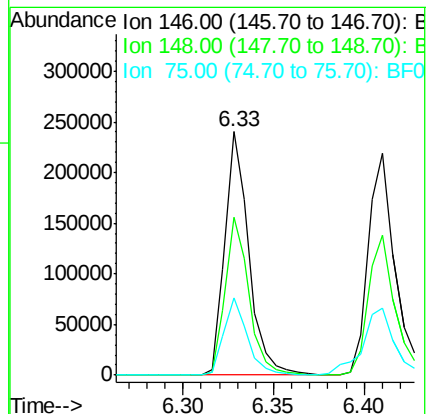
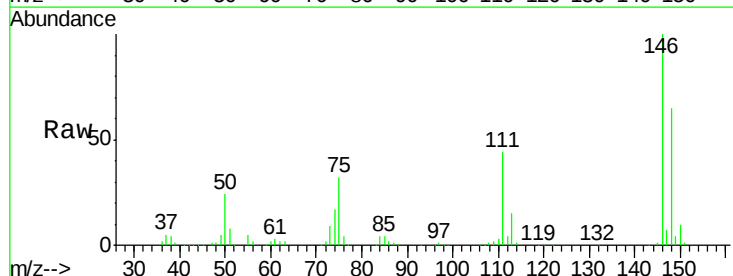
Tgt Ion: 146 Resp: 220972

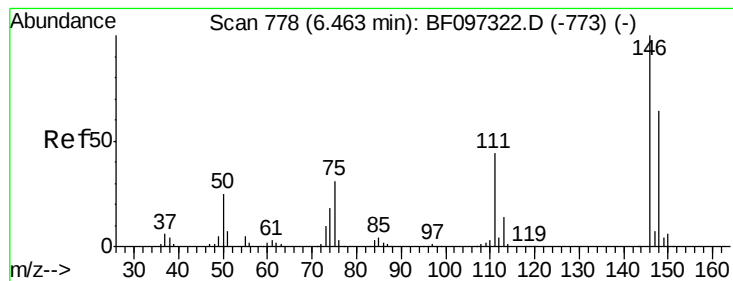
Ion Ratio Lower Upper

146 100

148 64.9 51.8 77.6

75 31.8 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 28.53 ng

RT: 6.41 min Scan# 803

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

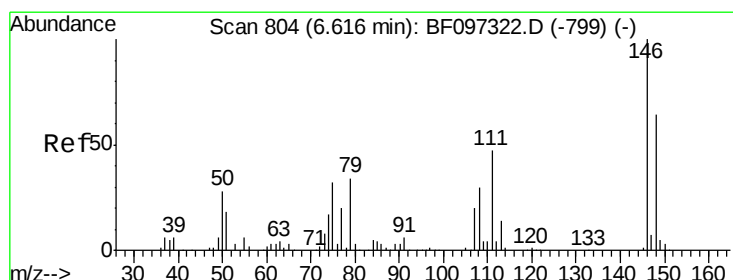
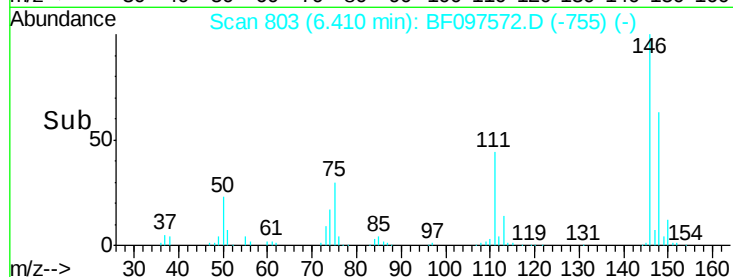
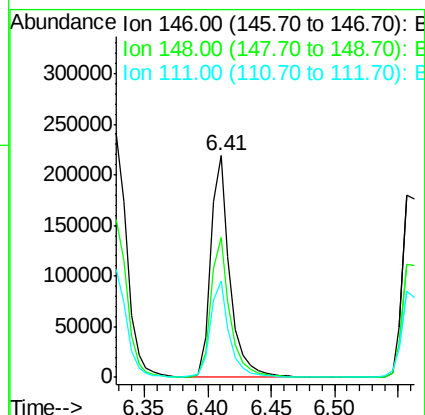
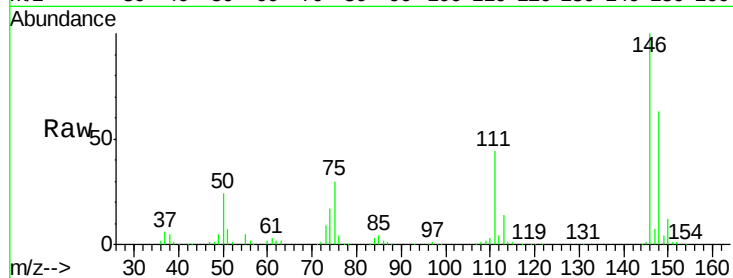
Tot Ion:146 Resp: 231593

Ion Ratio Lower Upper

146 100

148 63.2 52.2 78.2

111 43.6 30.3 45.5



#14

1,2-Dichlorobenzene

Concen: 28.91 ng

RT: 6.56 min Scan# 828

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

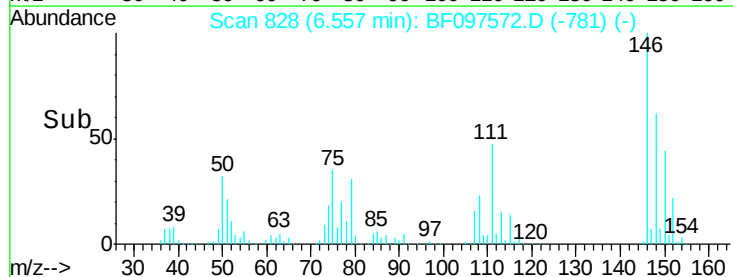
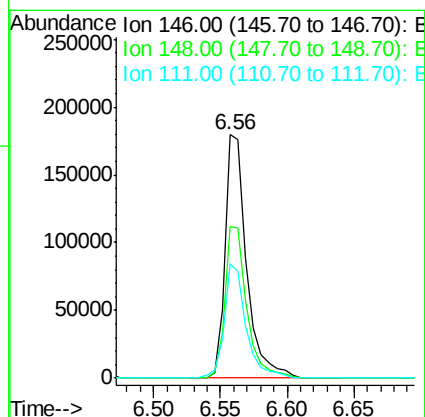
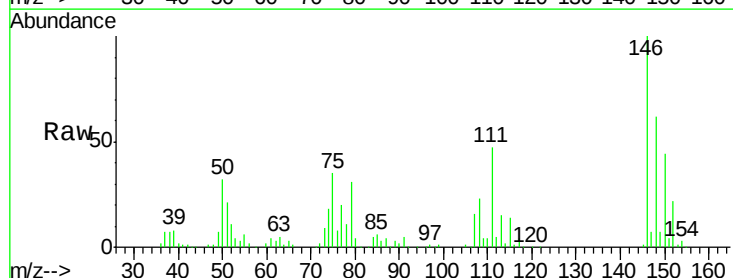
Tgt Ion:146 Resp: 204907

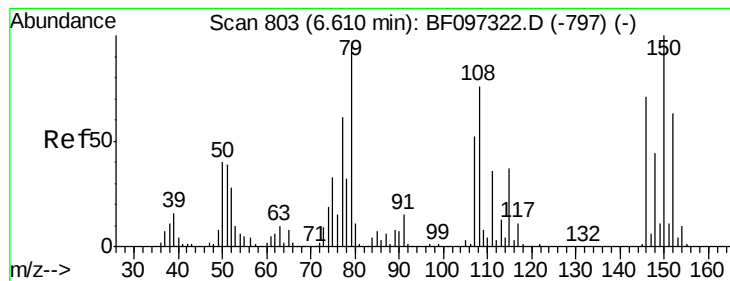
Ion Ratio Lower Upper

146 100

148 62.4 50.4 75.6

111 47.1 38.2 57.4





#15

Benzyl Alcohol

Concen: 36.54 ng

RT: 6.56 min Scan# 829

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

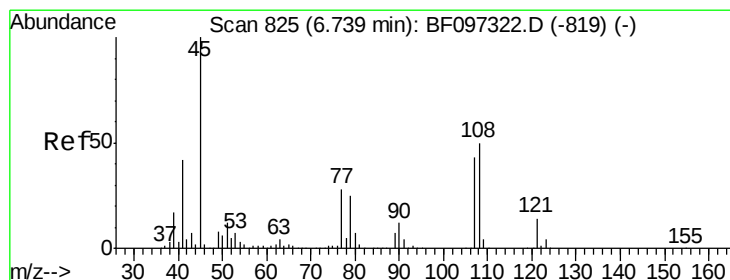
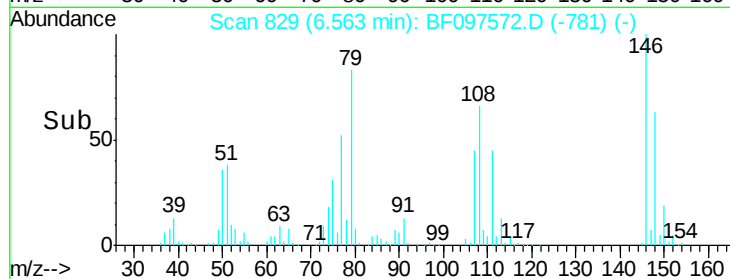
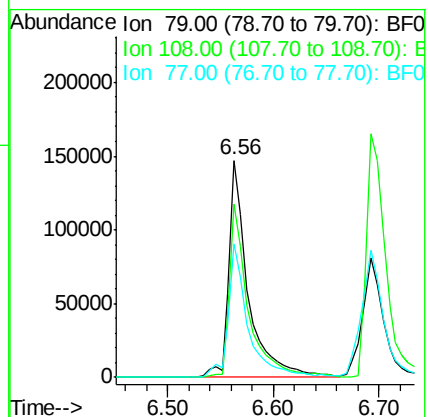
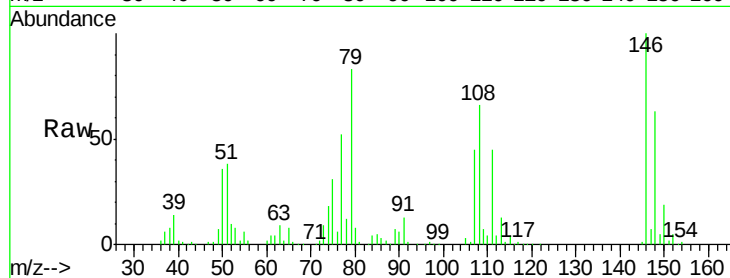
Tot Ion: 79 Resp: 187711

Ion Ratio Lower Upper

79 100

108 79.7 63.4 95.0

77 61.7 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.79 ng

RT: 6.68 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

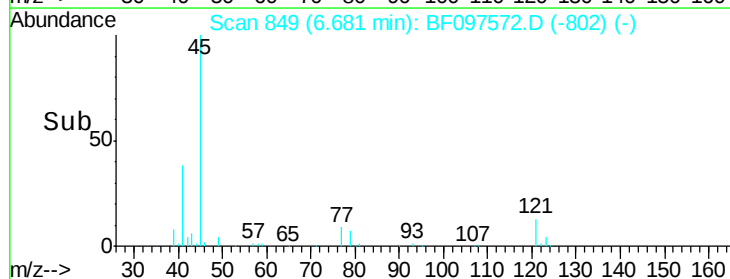
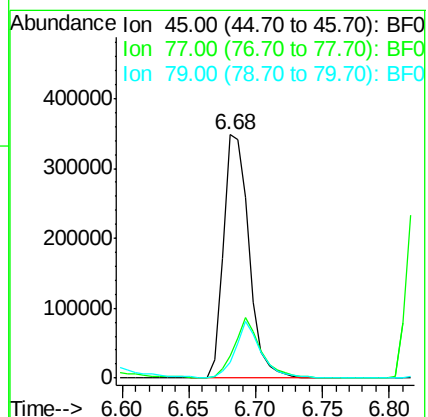
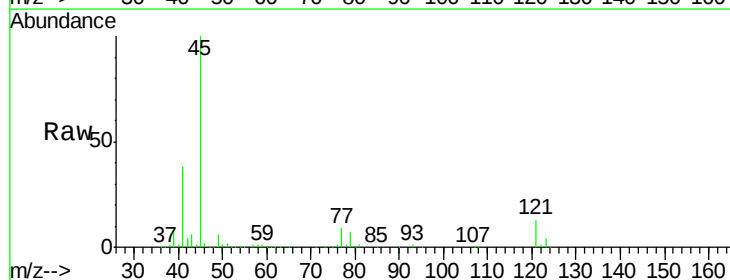
Tgt Ion: 45 Resp: 470138

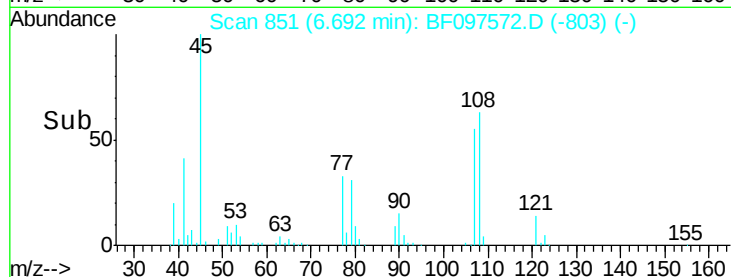
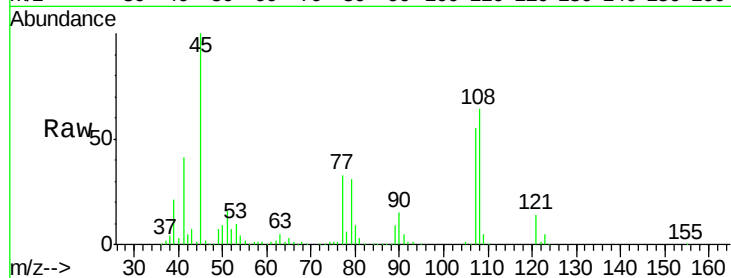
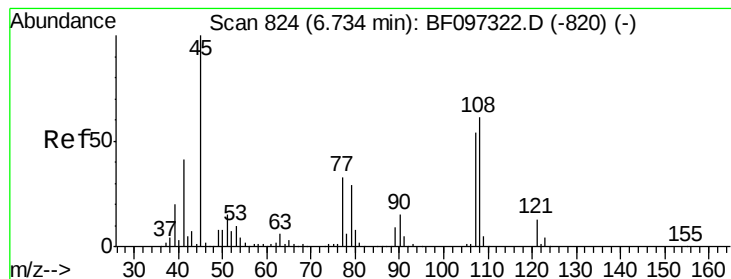
Ion Ratio Lower Upper

45 100

77 9.1 0.0 33.2

79 6.6 0.0 30.0





#17

2-Methylphenol

Concen: 31.17 ng

RT: 6.69 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tot Ion:107 Resp: 182835

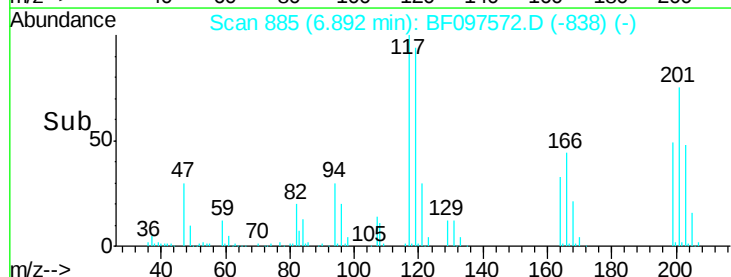
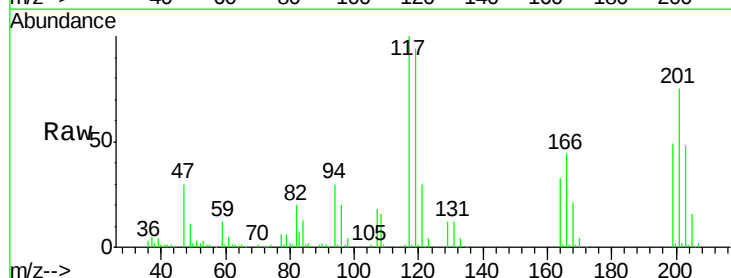
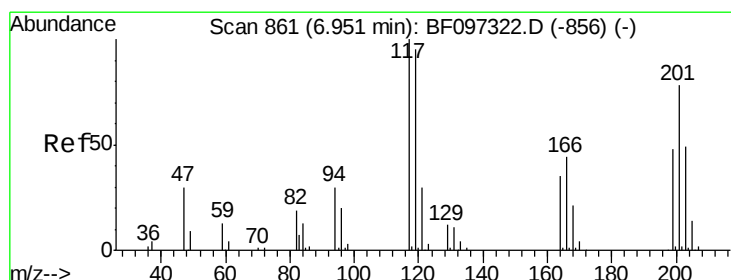
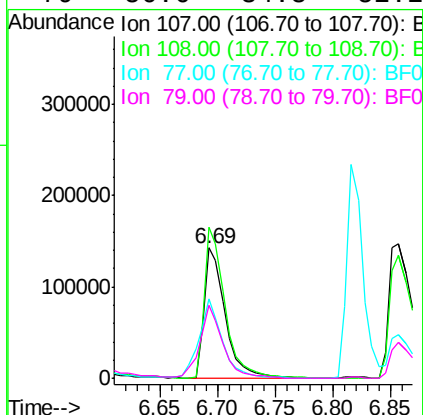
Ion Ratio Lower Upper

107 100

108 116.0 93.4 140.0

77 60.7 35.8 53.6#

79 56.6 34.8 52.2#



#18

Hexachloroethane

Concen: 26.86 ng

RT: 6.89 min Scan# 885

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

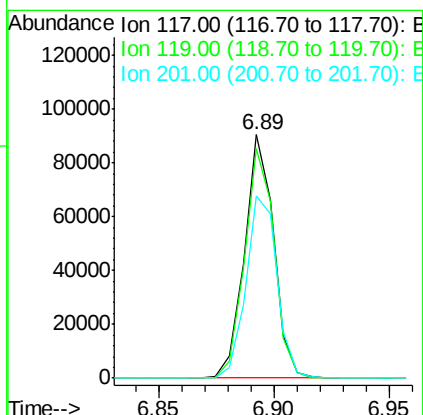
Tgt Ion:117 Resp: 79777

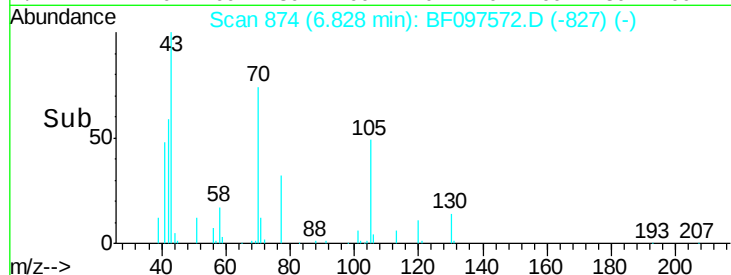
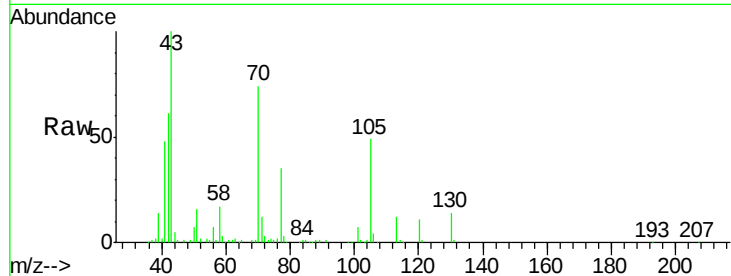
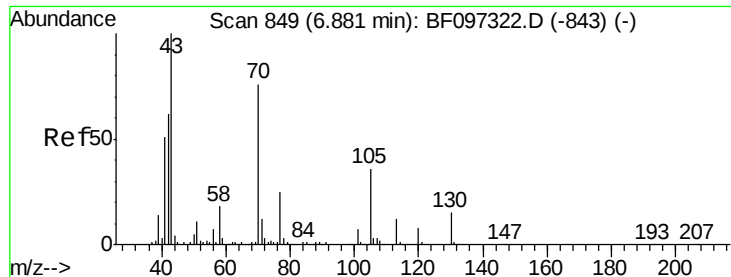
Ion Ratio Lower Upper

117 100

119 94.3 77.4 116.0

201 74.9 94.6 141.8#

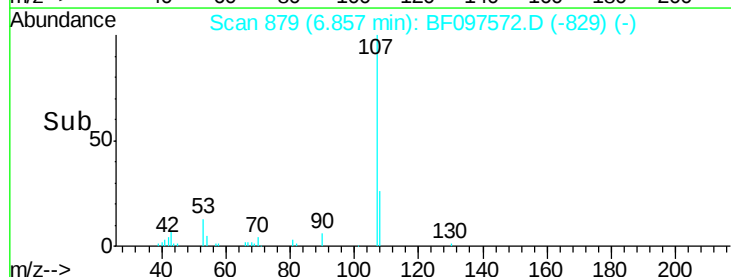
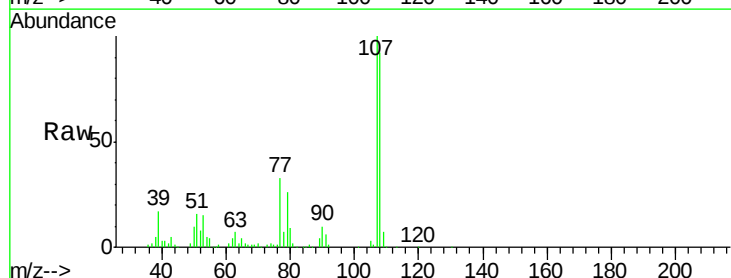
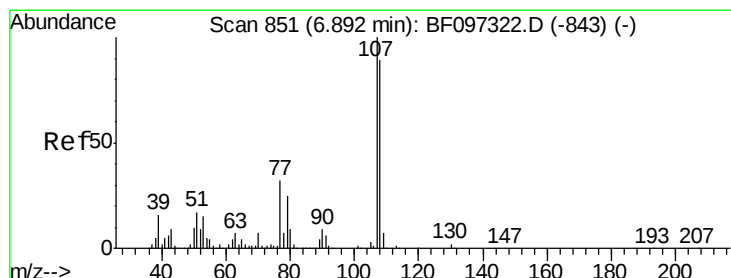
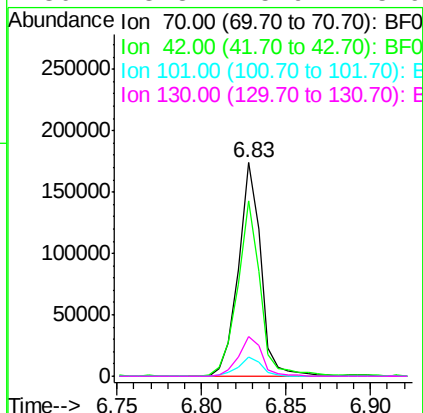




#19  
n-Nitroso-di-n-propylamine  
Concen: 30.22 ng  
RT: 6.83 min Scan# 874  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

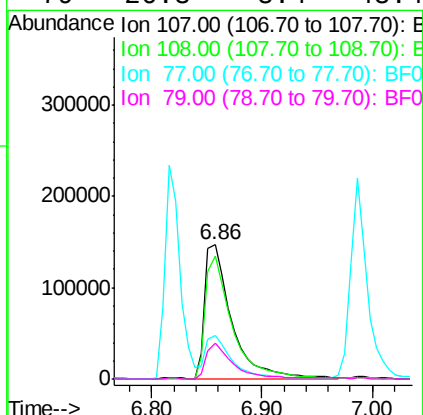
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

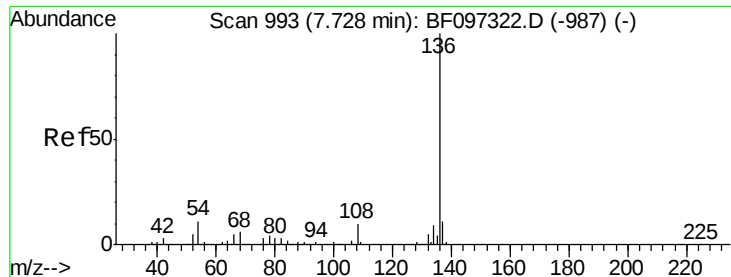
Tot Ion: 70 Resp: 161388  
Ion Ratio Lower Upper  
70 100  
42 82.2 47.2 70.8#  
101 9.1 7.2 10.8  
130 18.8 15.9 23.9



#20  
3+4-Methylphenols  
Concen: 31.84 ng  
RT: 6.86 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:107 Resp: 243971  
Ion Ratio Lower Upper  
107 100  
108 91.9 71.0 111.0  
77 32.6 90.5 130.5#  
79 26.3 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.67 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tot Ion:136 Resp: 453299

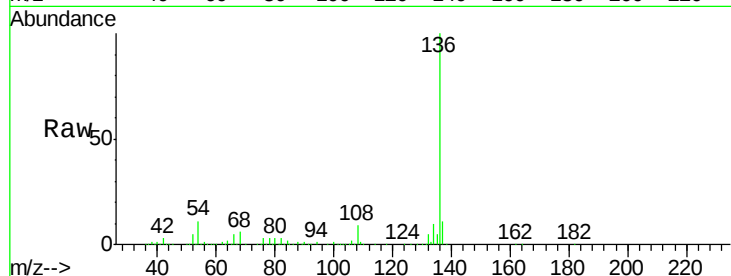
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.9 4.9 7.3#

68 5.9 4.1 6.1

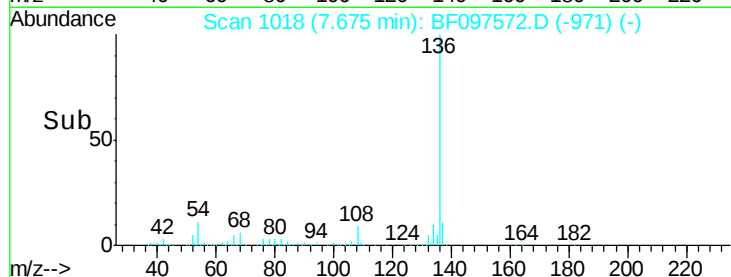


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

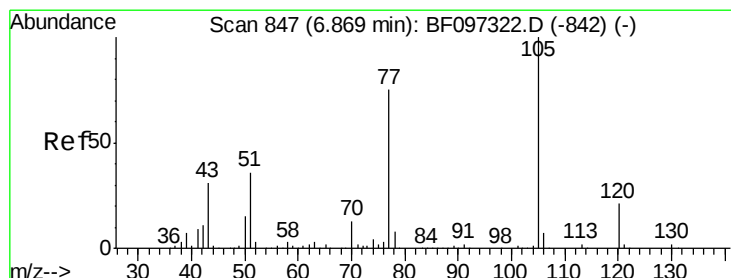
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.67



#22

Acetophenone

Concen: 28.44 ng

RT: 6.82 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Tgt Ion:105 Resp: 309609

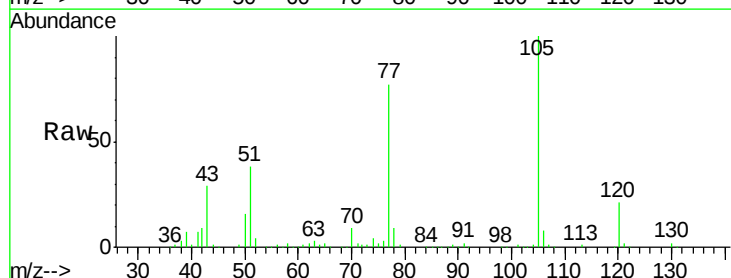
Ion Ratio Lower Upper

105 100

71 1.7 2.8 4.2#

51 38.0 30.7 46.1

120 21.4 17.4 26.0

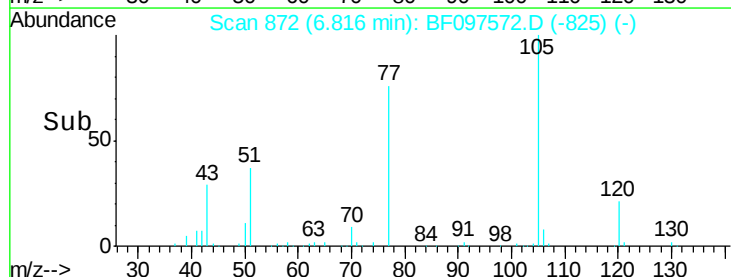


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

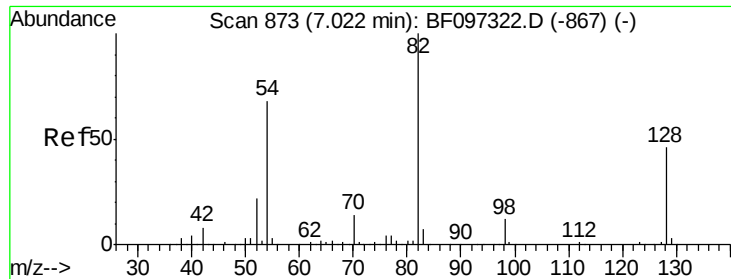
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

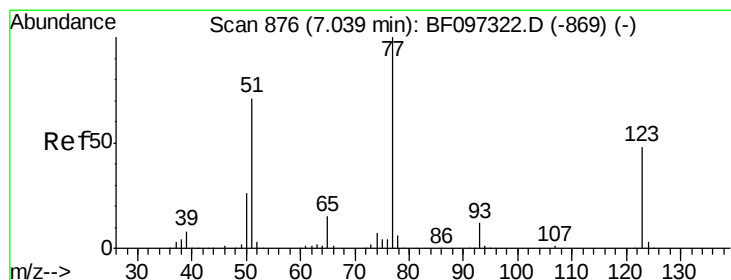
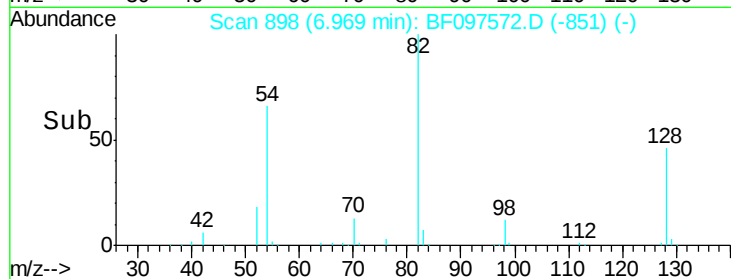
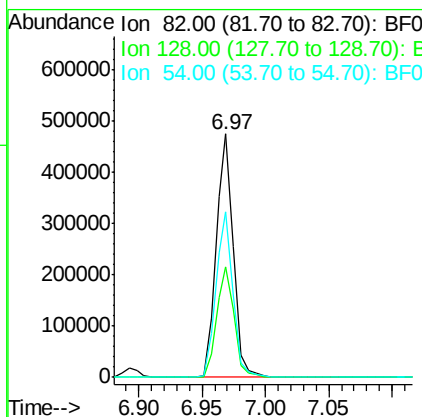
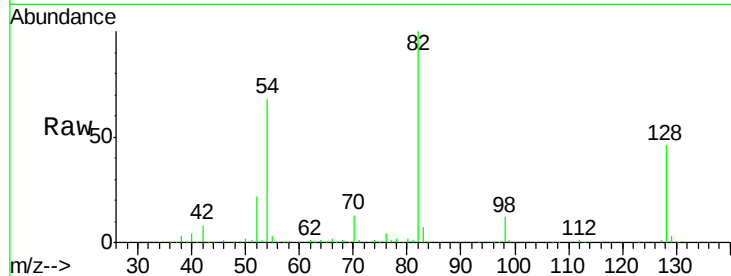
6.82



#23  
 Nitrobenzene-d5  
 Concen: 58.37 ng  
 RT: 6.97 min Scan# 898  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

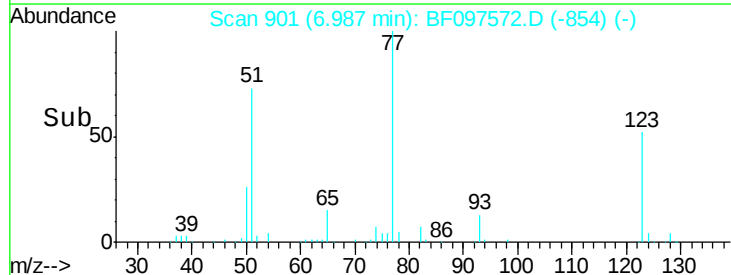
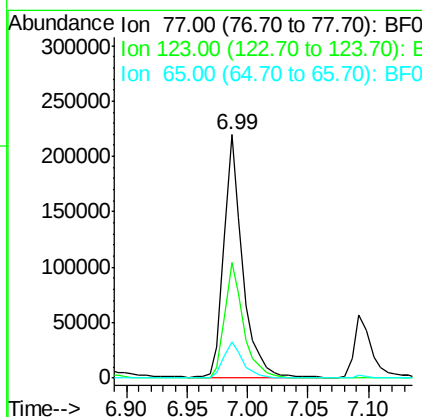
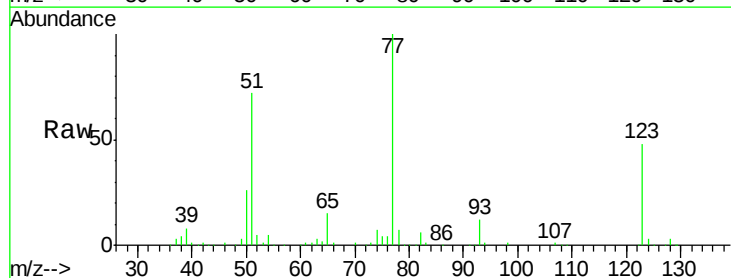
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

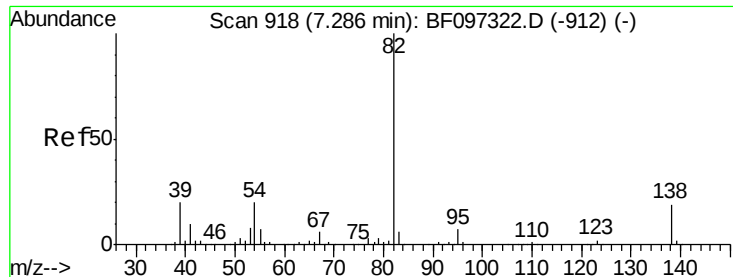
Tot Ion: 82 Resp: 451058  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 34.0 51.0  
 54 67.8 42.2 63.2#



#24  
 Nitrobenzene  
 Concen: 29.42 ng  
 RT: 6.99 min Scan# 901  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion: 77 Resp: 236749  
 Ion Ratio Lower Upper  
 77 100  
 123 47.5 35.8 53.8  
 65 14.9 10.6 15.8





#25

Isophorone

Concen: 27.21 ng

RT: 7.23 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

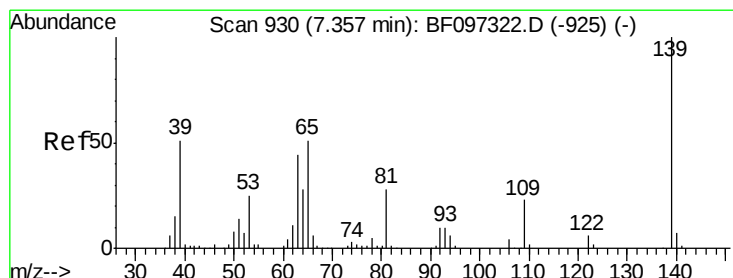
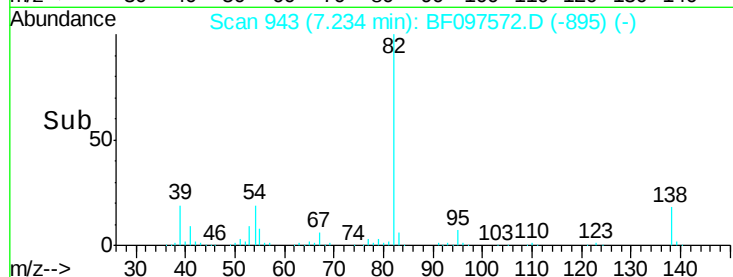
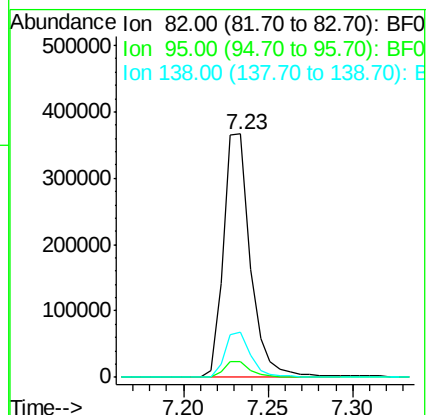
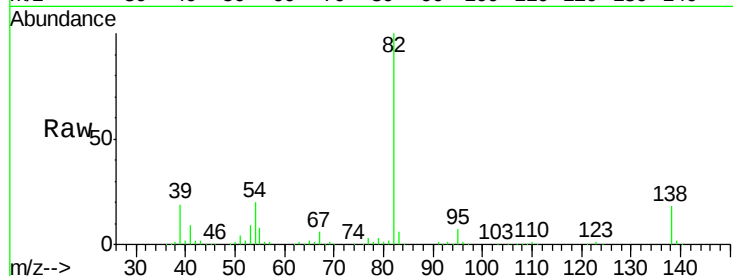
Tot Ion: 82 Resp: 411759

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 18.3 13.1 19.7



#26

2-Nitrophenol

Concen: 28.01 ng

RT: 7.30 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

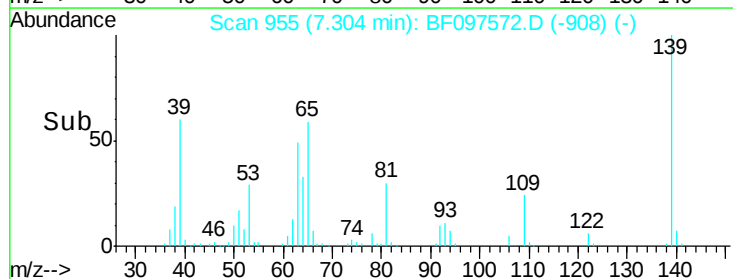
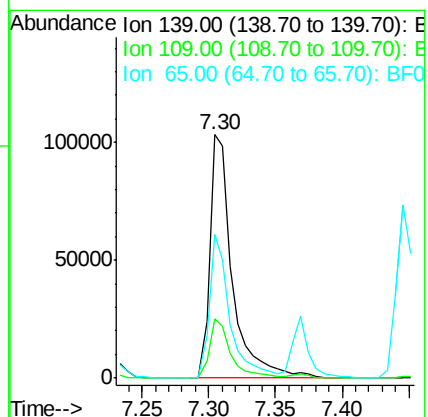
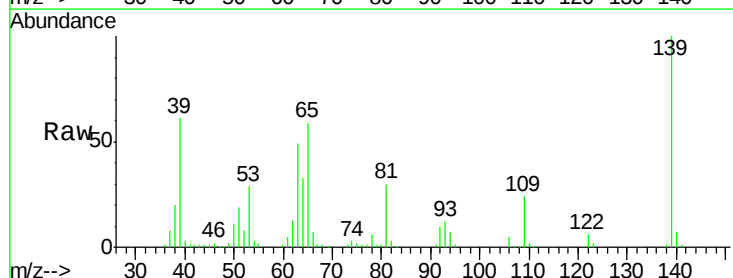
Tgt Ion: 139 Resp: 121962

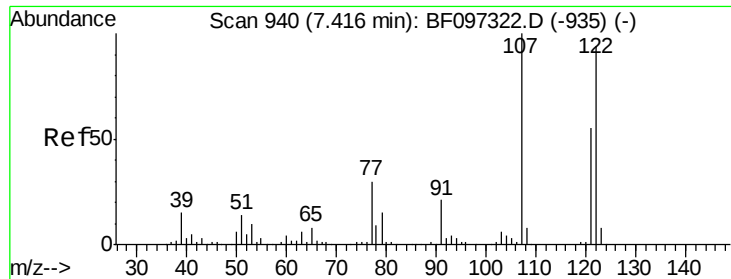
Ion Ratio Lower Upper

139 100

109 24.1 21.0 31.6

65 58.8 33.0 49.6#

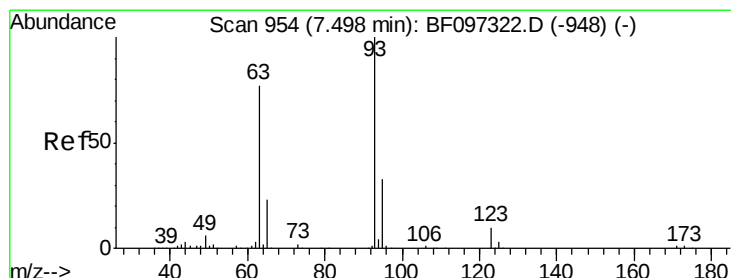
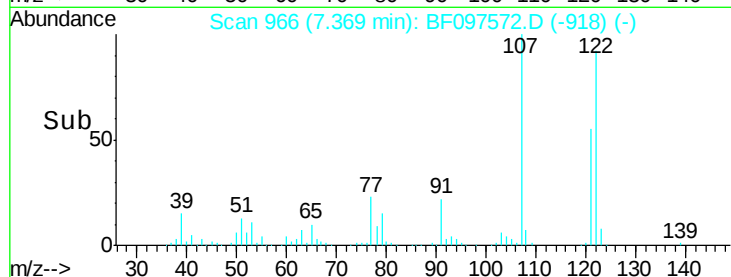
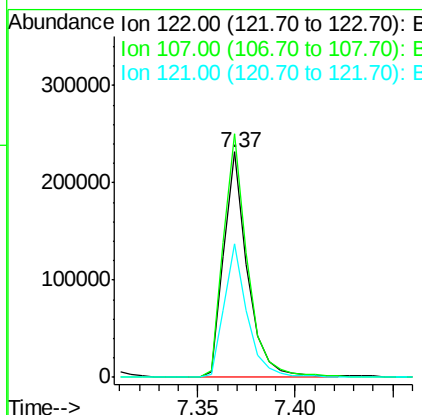
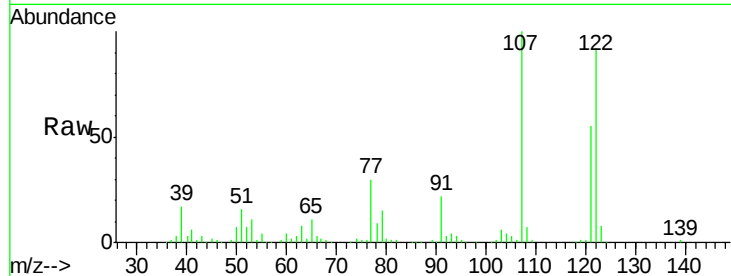




#27  
 2,4-Dimethylphenol  
 Concen: 27.30 ng  
 RT: 7.37 min Scan# 966  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

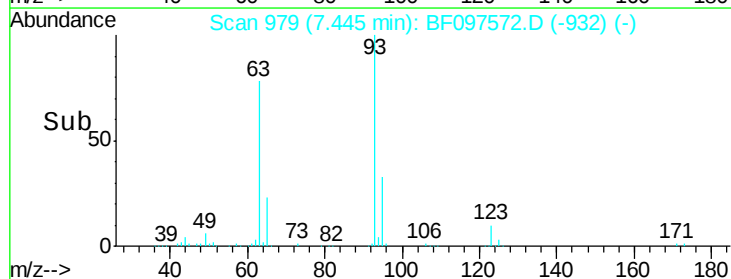
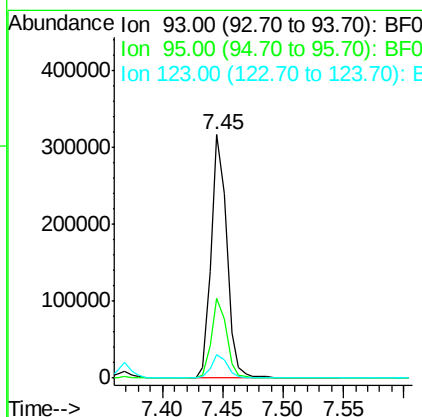
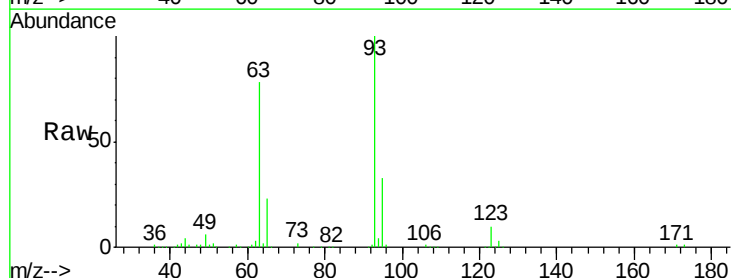
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

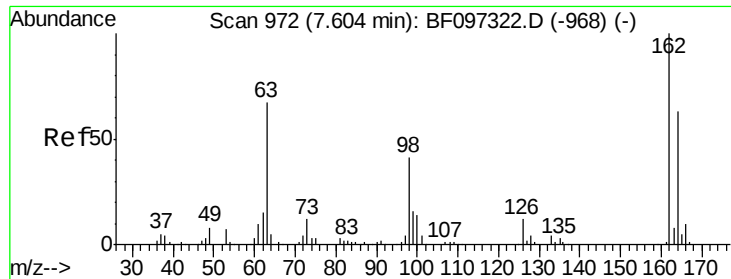
Tot Ion:122 Resp: 196070  
 Ion Ratio Lower Upper  
 122 100  
 107 108.2 89.2 133.8  
 121 59.1 45.2 67.8



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 28.58 ng  
 RT: 7.45 min Scan# 979  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion: 93 Resp: 282185  
 Ion Ratio Lower Upper  
 93 100  
 95 32.6 26.5 39.7  
 123 9.7 9.0 13.4

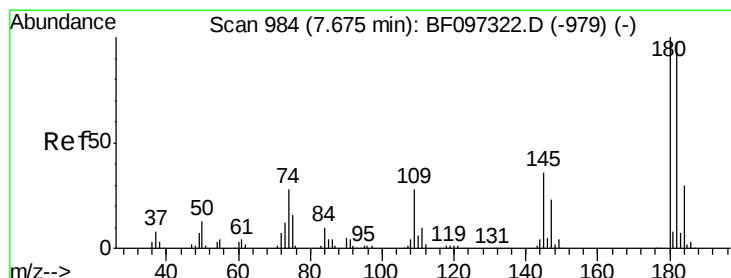
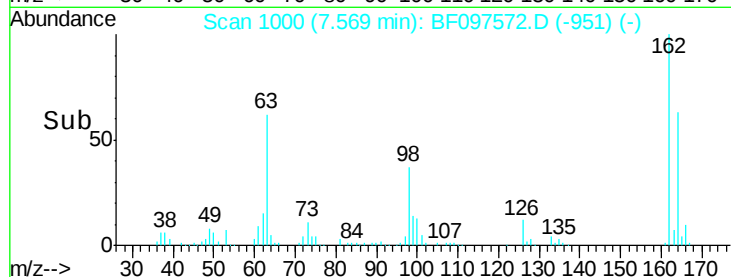
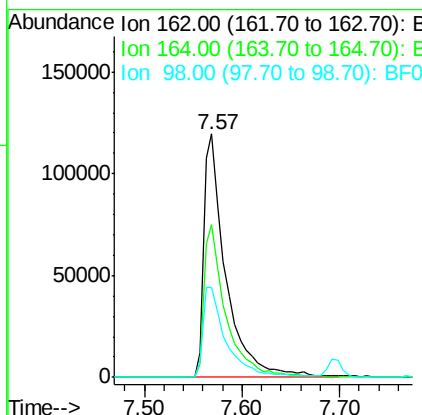
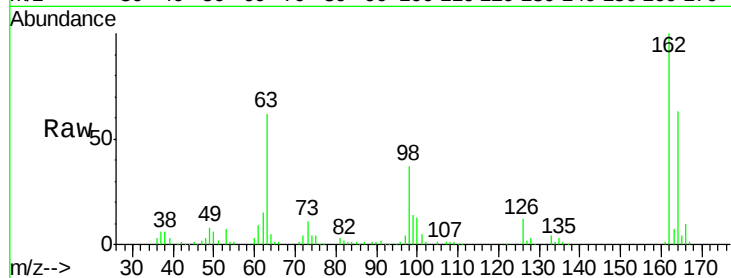




#29  
 2,4-Dichlorophenol  
 Concen: 29.96 ng  
 RT: 7.57 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

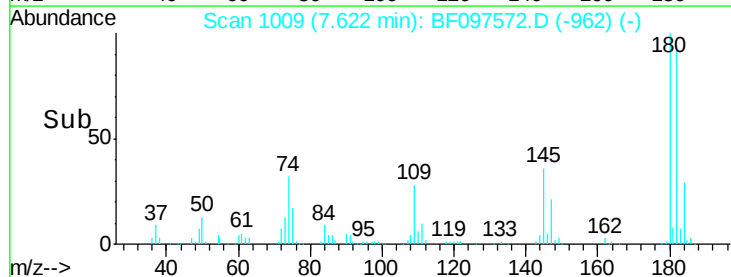
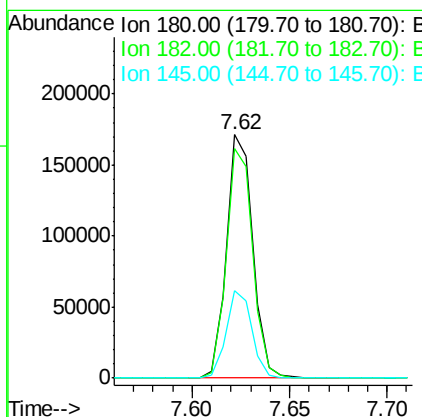
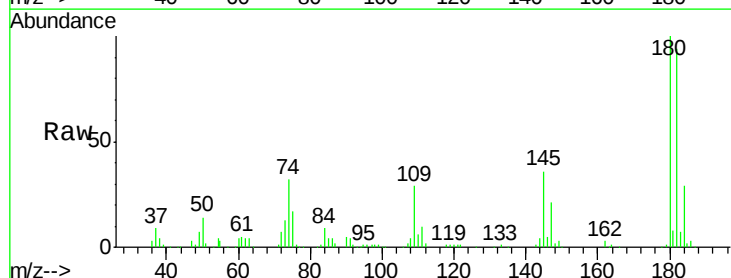
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

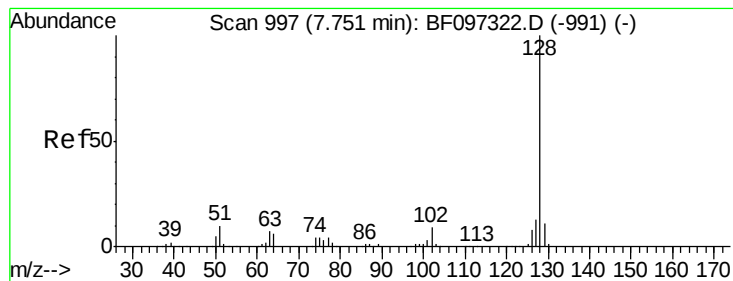
Tot Ion:162 Resp: 185352  
 Ion Ratio Lower Upper  
 162 100  
 164 62.6 44.6 84.6  
 98 36.8 14.8 54.8



#30  
 1,2,4-Trichlorobenzene  
 Concen: 27.10 ng  
 RT: 7.62 min Scan# 1009  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion:180 Resp: 159839  
 Ion Ratio Lower Upper  
 180 100  
 182 94.4 75.8 113.6  
 145 36.1 25.3 37.9





#31

Naphthalene

Concen: 28.76 ng

RT: 7.70 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

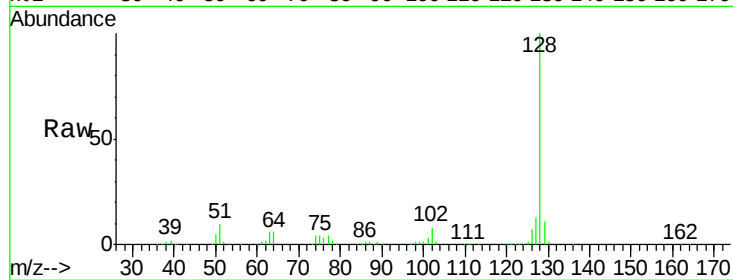
Tot Ion:128 Resp: 614466

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

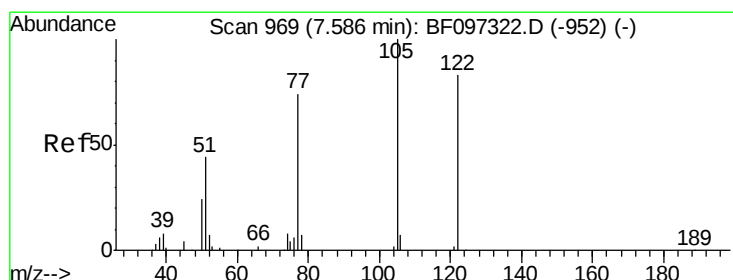
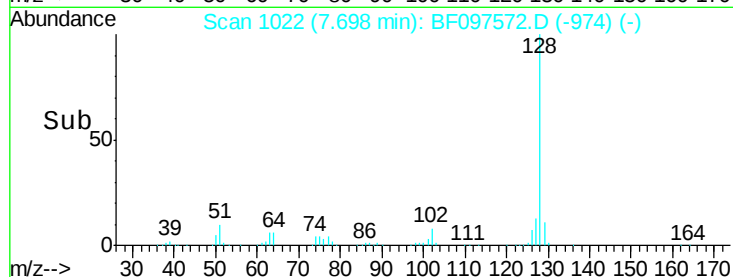
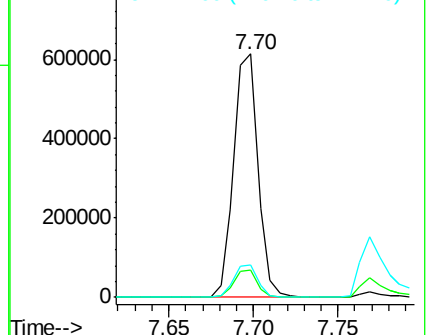
127 13.5 10.8 16.2



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: 36.56 ng

RT: 7.37 min Scan# 966

Delta R.T. -0.20 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

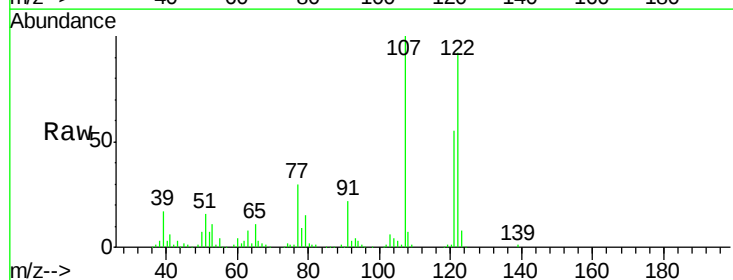
Tgt Ion:122 Resp: 196070

Ion Ratio Lower Upper

122 100

105 3.5 103.3 143.3#

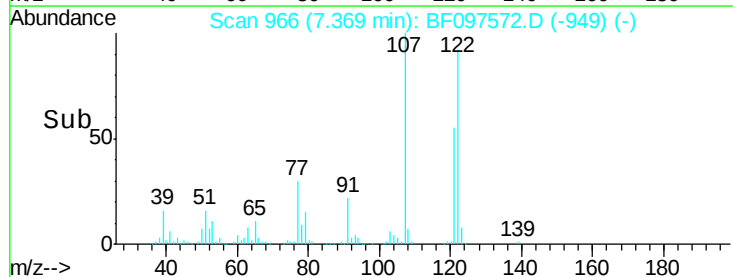
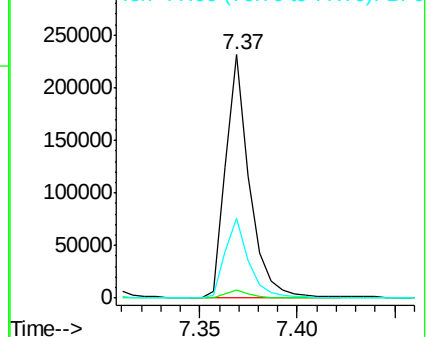
77 32.8 73.7 113.7#

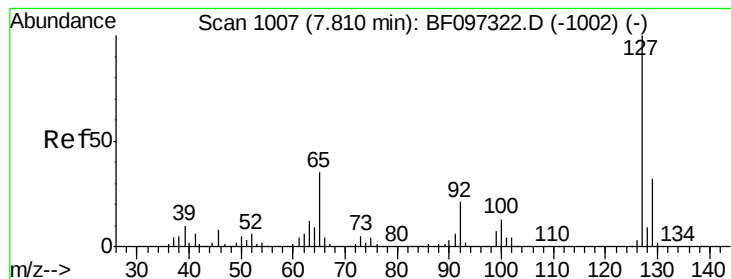


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 21.99 ng

RT: 7.77 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tot Ion:127 Resp: 191164

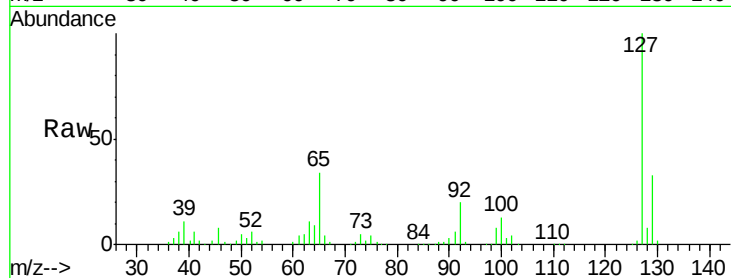
Ion Ratio Lower Upper

127 100

129 32.6 26.2 39.2

65 34.1 27.8 41.8

92 19.7 16.8 25.2

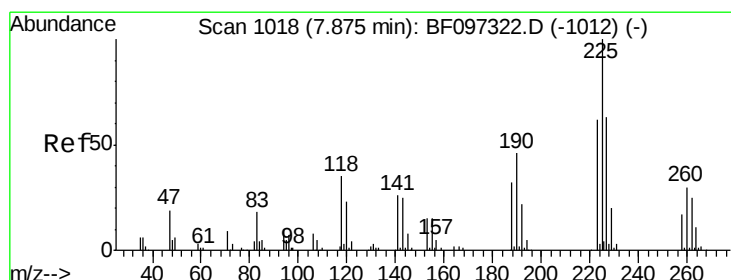
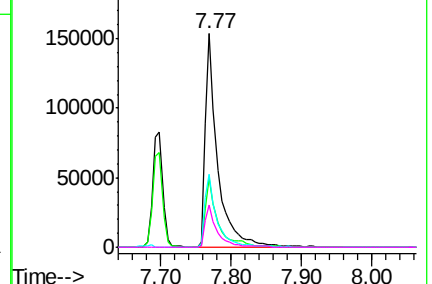
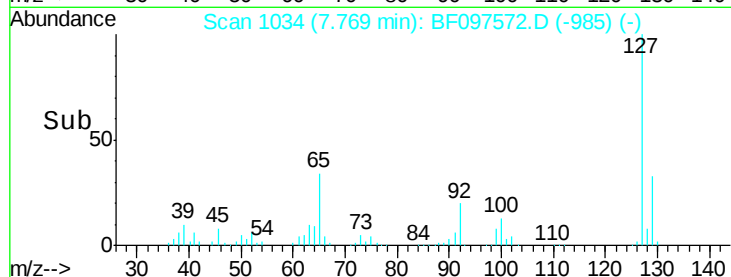


Abundance Ion 127.00 (126.70 to 127.70): E

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: 26.01 ng

RT: 7.82 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

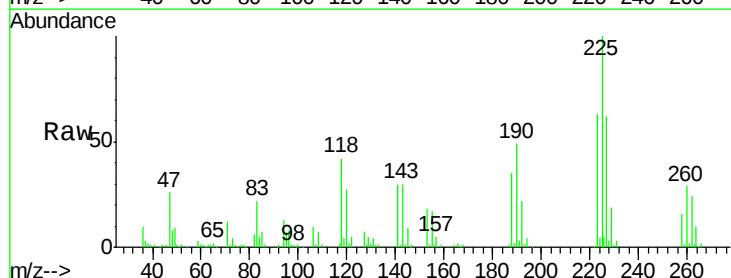
Tgt Ion:225 Resp: 81330

Ion Ratio Lower Upper

225 100

223 62.5 48.8 73.2

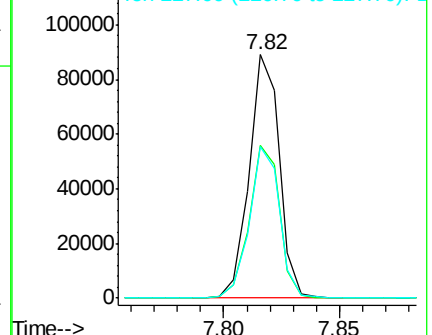
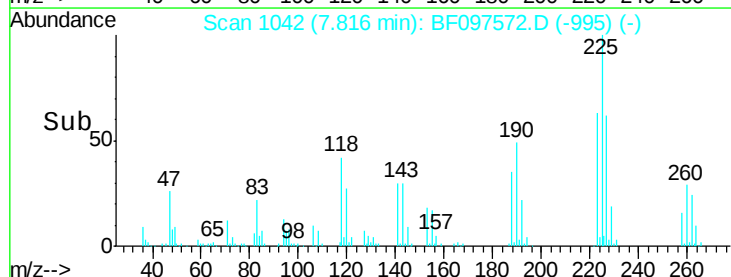
227 62.1 51.1 76.7

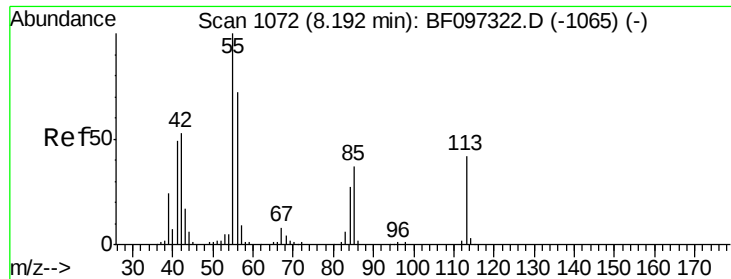


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

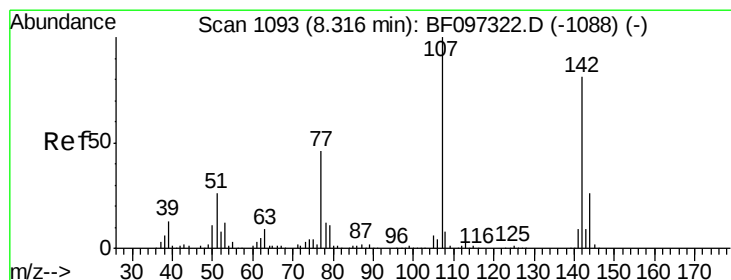
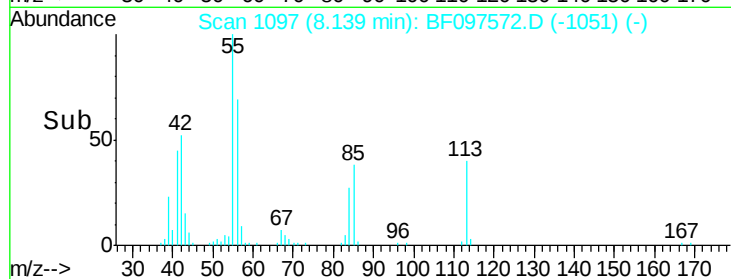
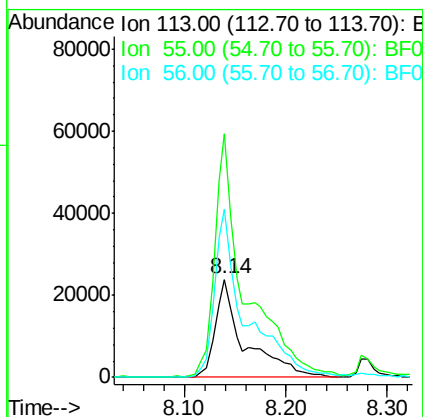
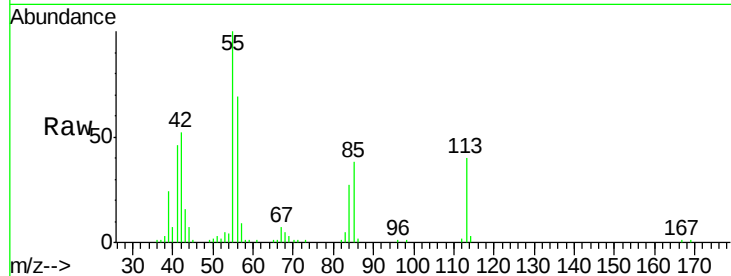




#35  
 Caprolactam  
 Concen: 24.18 ng  
 RT: 8.14 min Scan# 1097  
 Delta R.T. -0.03 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

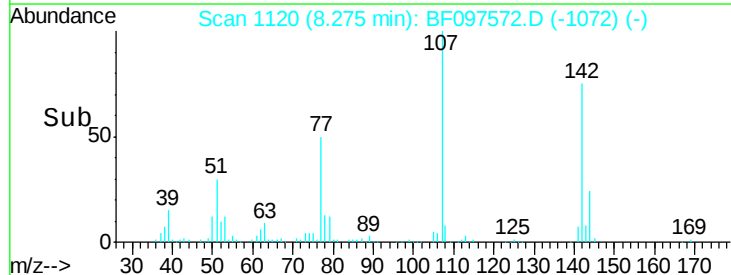
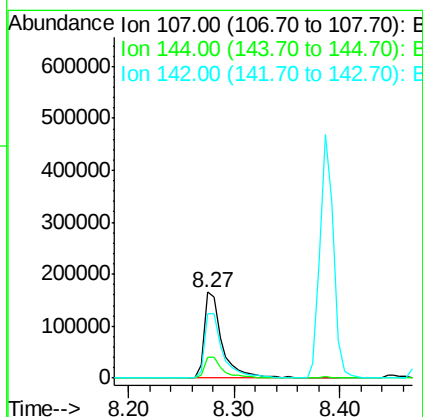
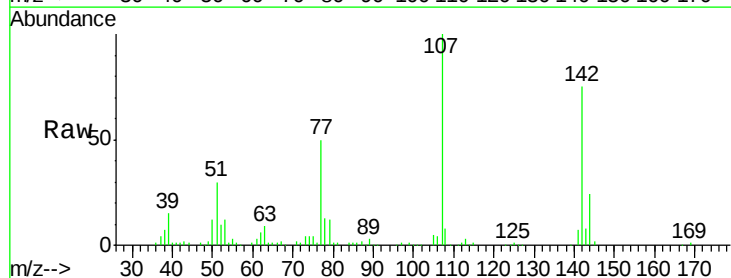
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

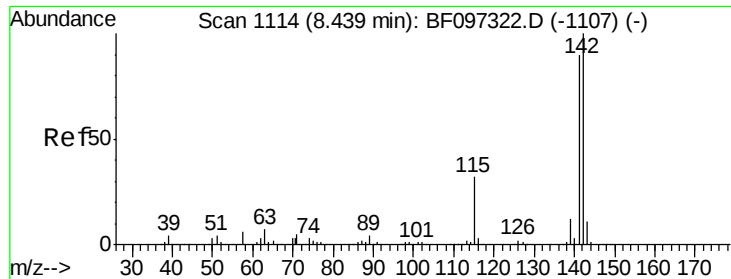
Tot Ion:113 Resp: 47977  
 Ion Ratio Lower Upper  
 113 100  
 55 248.4 150.2 190.2#  
 56 171.5 107.8 147.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 28.70 ng  
 RT: 8.27 min Scan# 1120  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion:107 Resp: 193732  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 24.2 36.4#  
 142 75.1 73.4 110.0

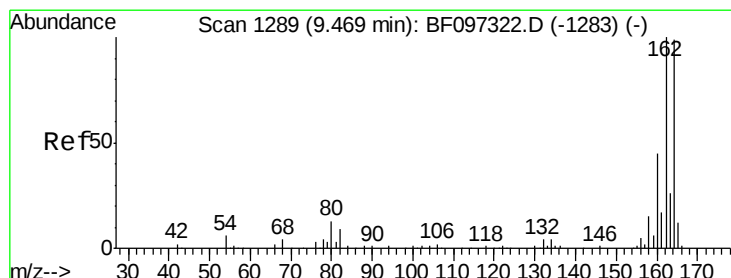
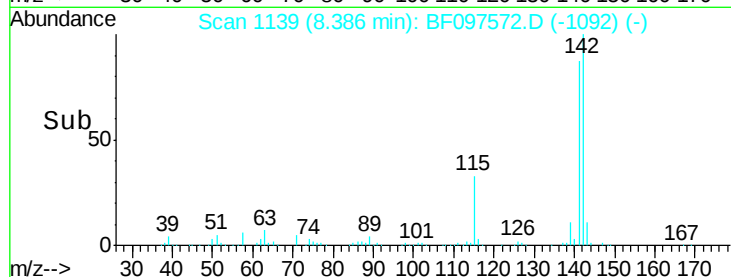
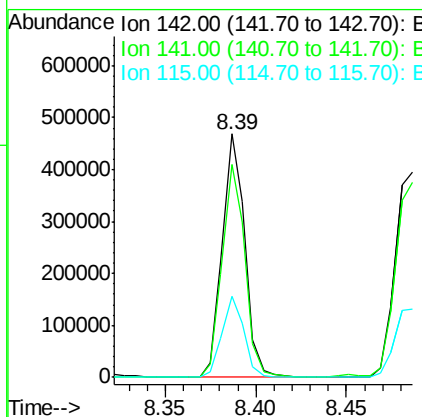
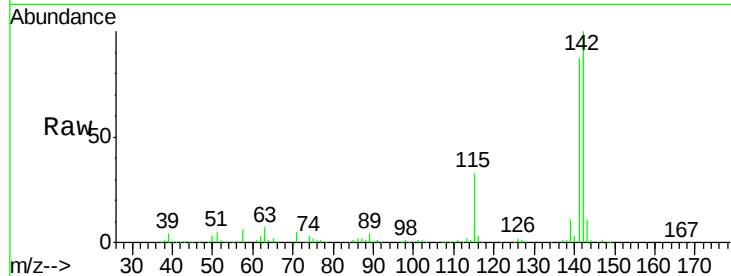




#37  
2-Methylnaphthalene  
Concen: 30.09 ng  
RT: 8.39 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

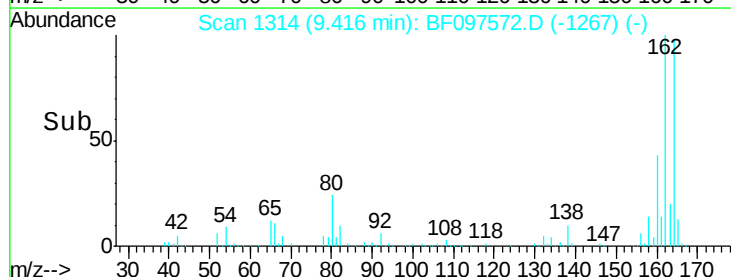
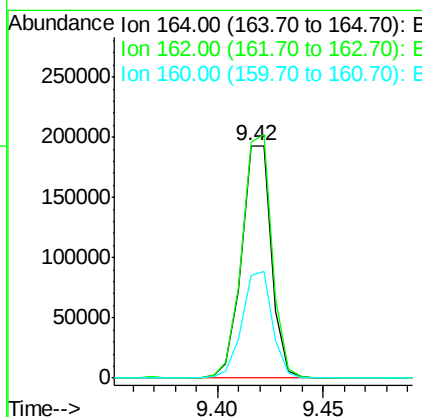
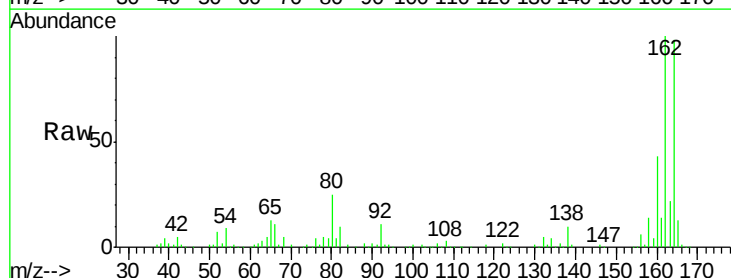
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

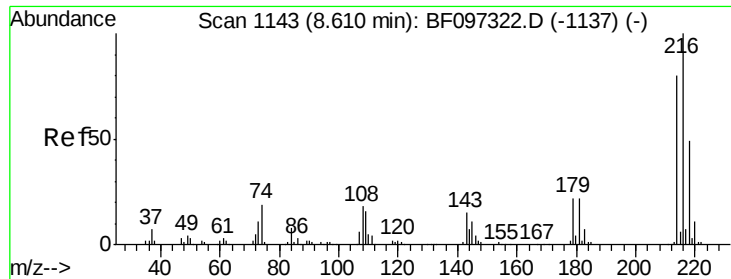
Tot Ion:142 Resp: 407129  
Ion Ratio Lower Upper  
142 100  
141 87.2 71.3 106.9  
115 33.5 27.1 40.7



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.42 min Scan# 1314  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:164 Resp: 188997  
Ion Ratio Lower Upper  
164 100  
162 101.8 82.6 123.8  
160 44.1 36.2 54.2

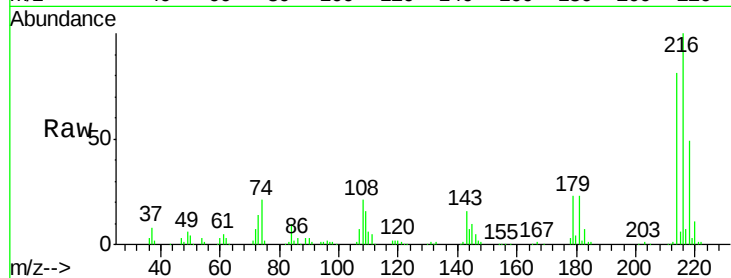




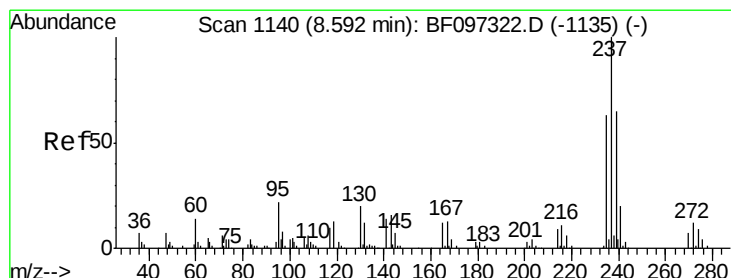
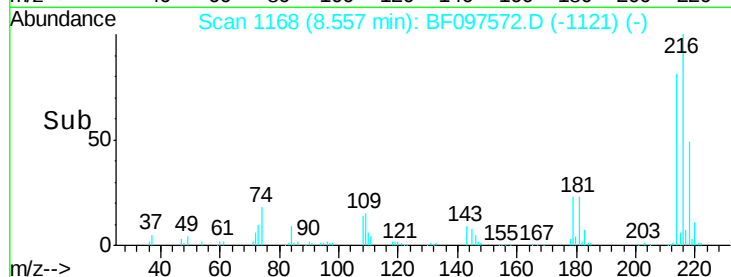
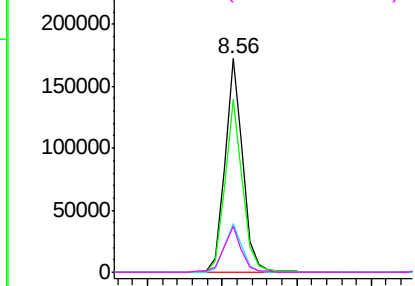
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 28.98 ng  
 RT: 8.56 min Scan# 1168  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 216  | Resp: | 146123 |
| Ion Ratio |      | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 79.6 | 63.4  | 95.2   |
| 179       | 22.7 | 17.9  | 26.9   |
| 108       | 21.5 | 16.5  | 24.7   |

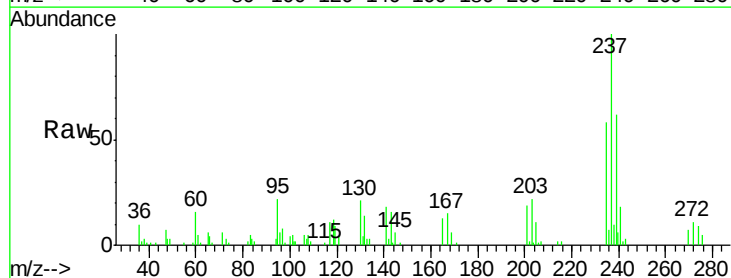


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

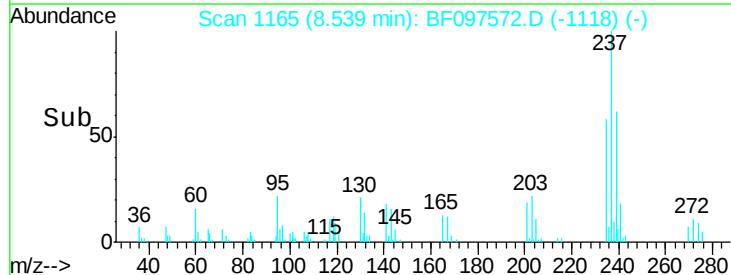
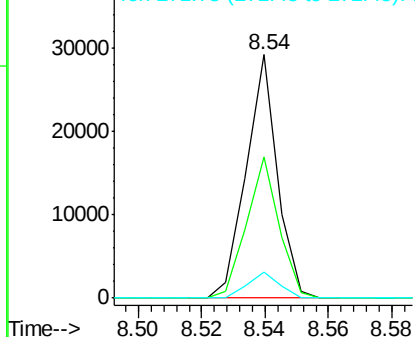


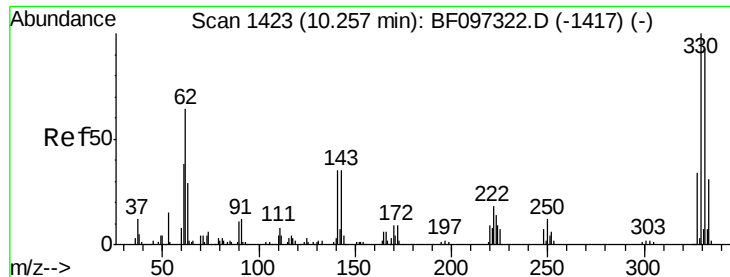
#40  
 Hexachlorocyclopentadiene  
 Concen: 16.94 ng  
 RT: 8.54 min Scan# 1165  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 237  | Resp: | 19892 |
| Ion Ratio |      | Lower | Upper |
| 237       | 100  |       |       |
| 235       | 57.9 | 42.6  | 82.6  |
| 272       | 10.7 | 0.0   | 31.9  |



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

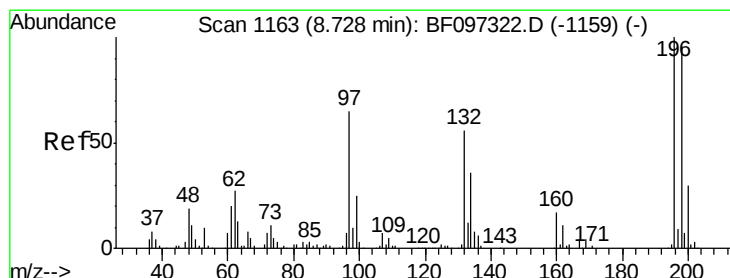
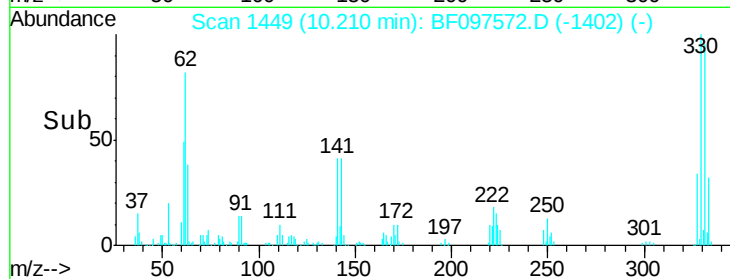
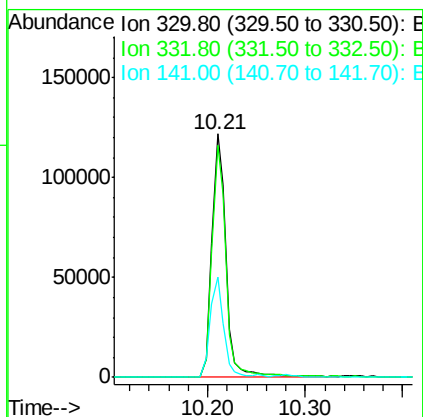
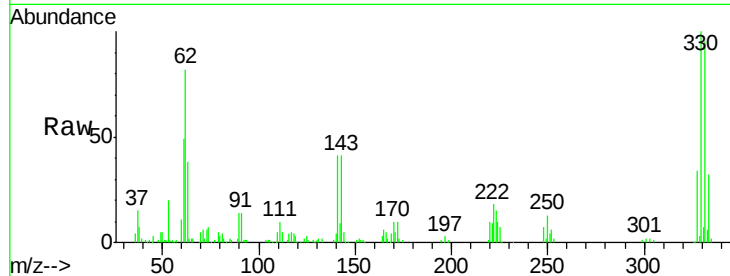




#41  
 2,4,6-Tribromophenol  
 Concen: 83.00 ng  
 RT: 10.21 min Scan# 1449  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

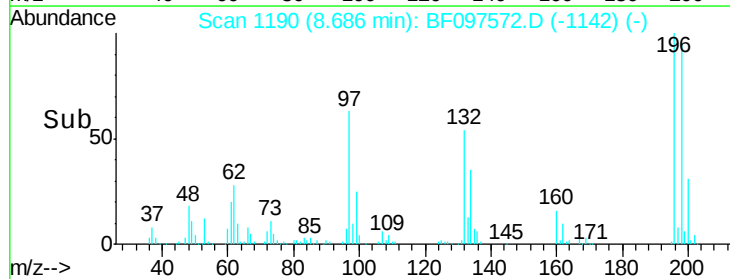
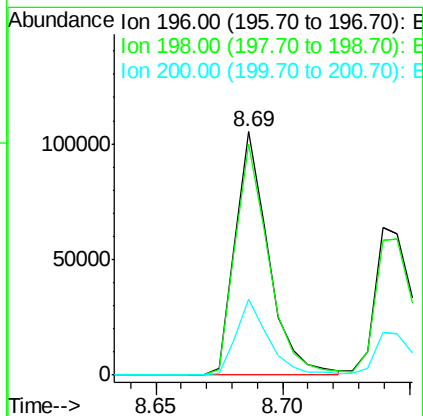
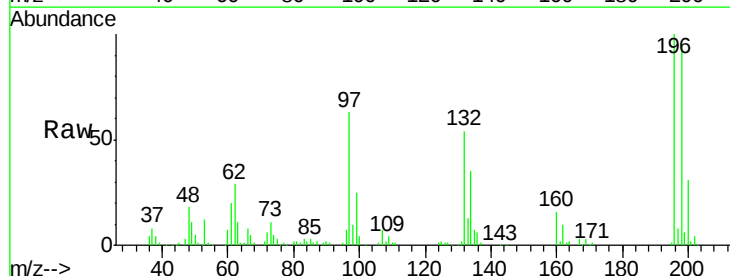
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

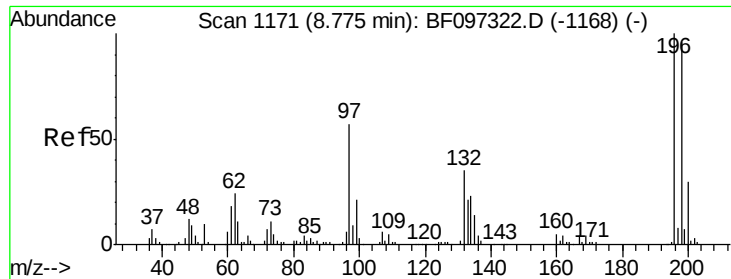
Tot Ion:330 Resp: 123947  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 76.6 115.0  
 141 39.8 31.4 47.2



#42  
 2,4,6-Trichlorophenol  
 Concen: 26.17 ng  
 RT: 8.69 min Scan# 1190  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion:196 Resp: 95639  
 Ion Ratio Lower Upper  
 196 100  
 198 94.8 74.2 111.4  
 200 31.3 24.0 36.0

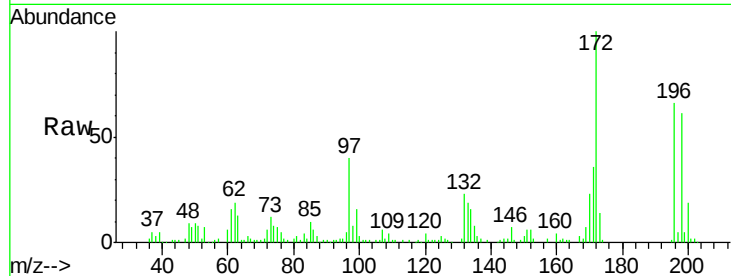




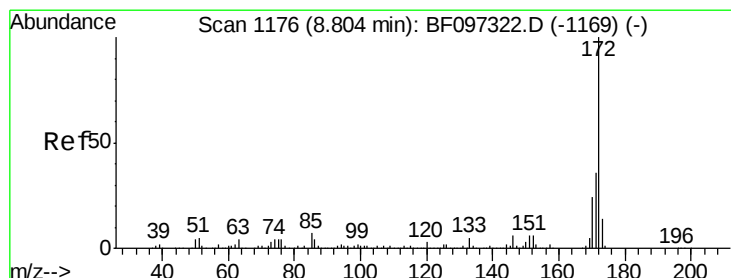
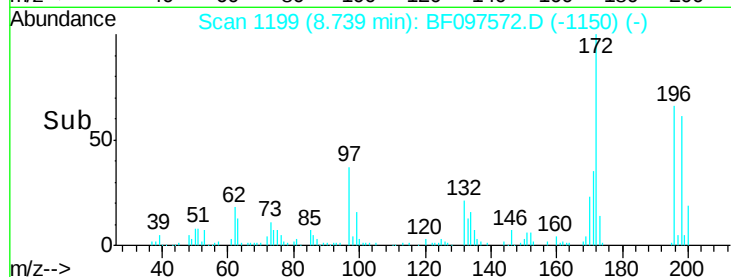
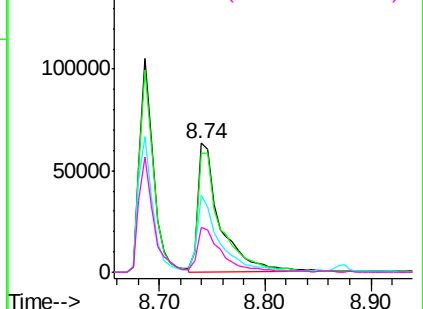
#43  
 2,4,5-Trichlorophenol  
 Concen: 25.15 ng  
 RT: 8.74 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

|             |       |            |
|-------------|-------|------------|
| Tot Ion:196 | Resp: | 91982      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 91.8  | 75.7 113.5 |
| 97          | 59.9  | 47.7 71.5  |
| 132         | 34.6  | 28.0 42.0  |

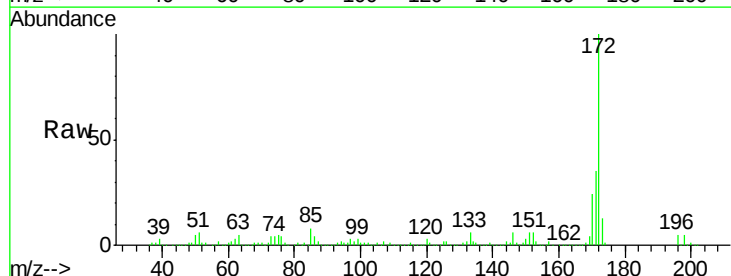


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

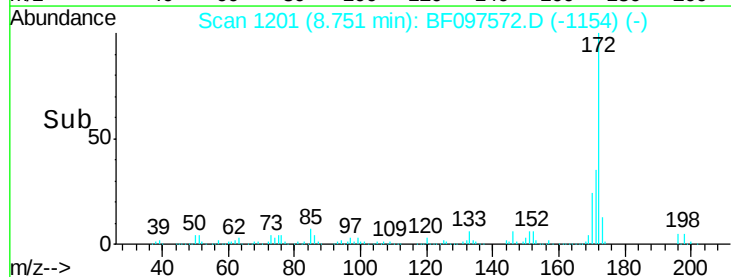
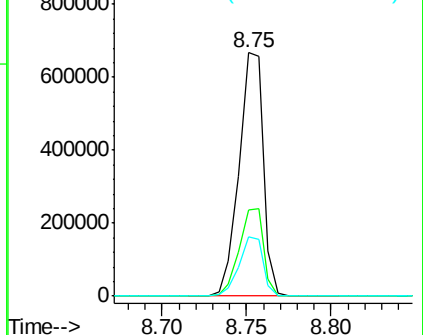


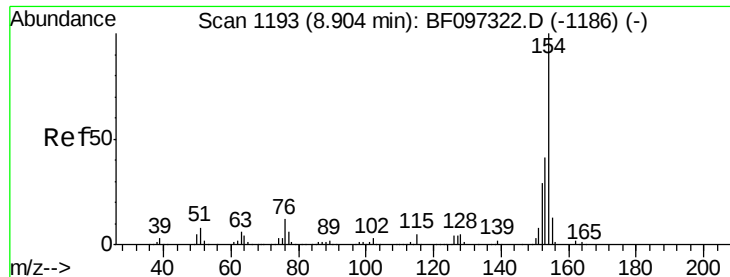
#44  
 2-Fluorobiphenyl  
 Concen: 60.29 ng  
 RT: 8.75 min Scan# 1201  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 671389    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 35.5  | 29.6 44.4 |
| 170         | 24.3  | 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

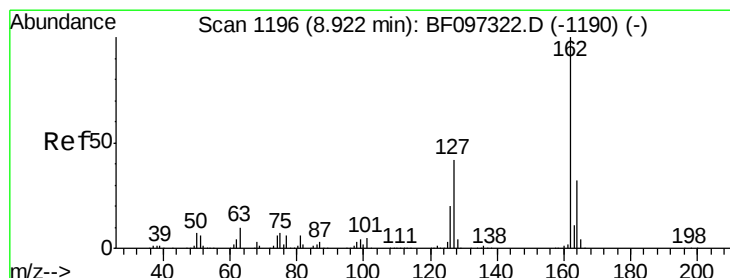
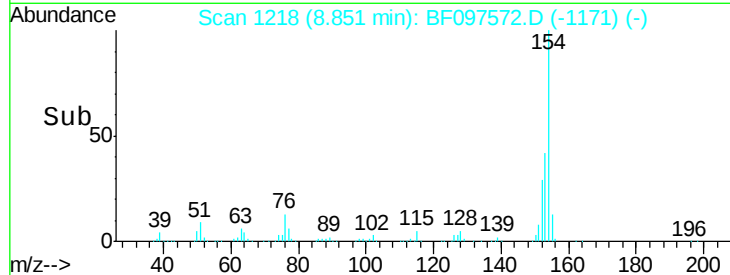
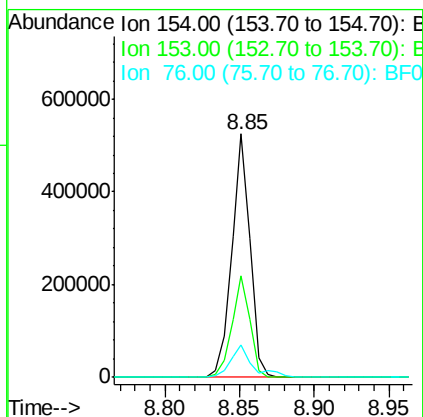
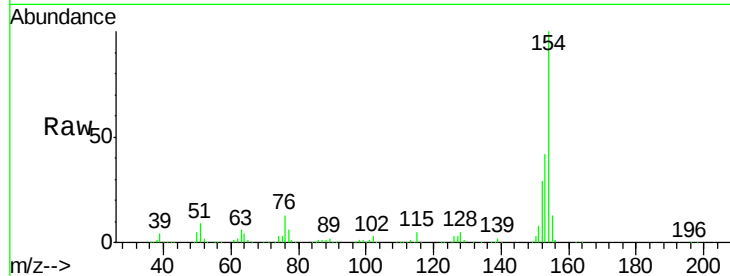




#45  
 1,1'-Biphenyl  
 Concen: 28.16 ng  
 RT: 8.85 min Scan# 1218  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

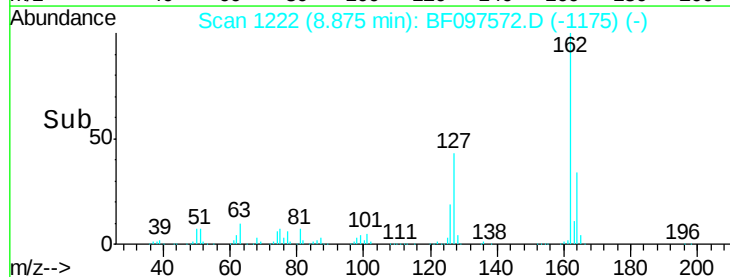
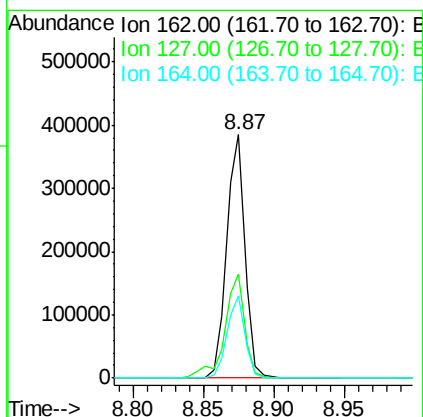
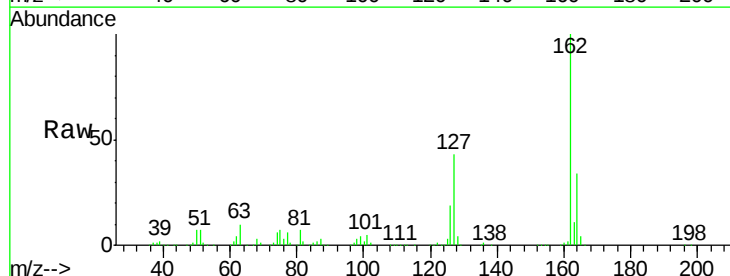
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

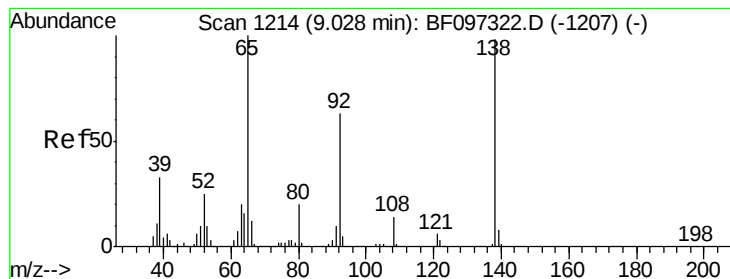
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.7  | 21.2  | 61.2  |
| 76      | 13.3  | 0.0   | 29.9  |



#46  
 2-Chloronaphthalene  
 Concen: 29.12 ng  
 RT: 8.87 min Scan# 1222  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.6  | 28.3  | 42.5# |
| 164     | 33.8  | 27.0  | 40.4  |





#47

2-Nitroaniline

Concen: 32.54 ng

RT: 8.99 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

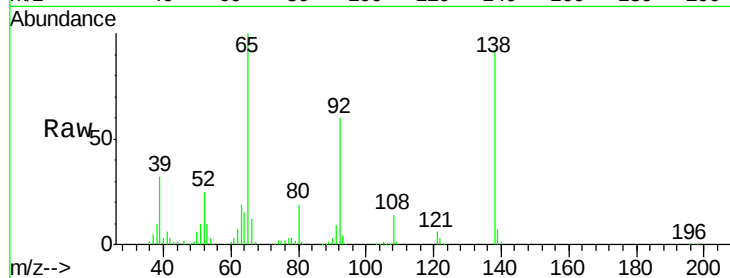
Tot Ion: 65 Resp: 140280

Ion Ratio Lower Upper

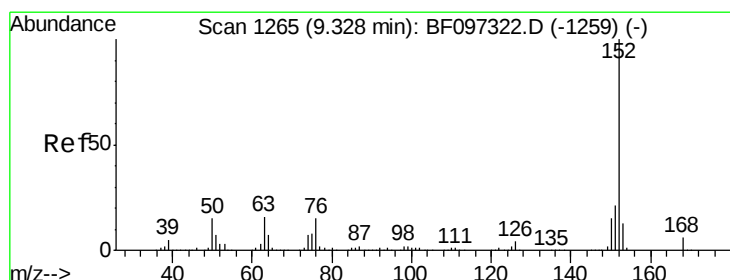
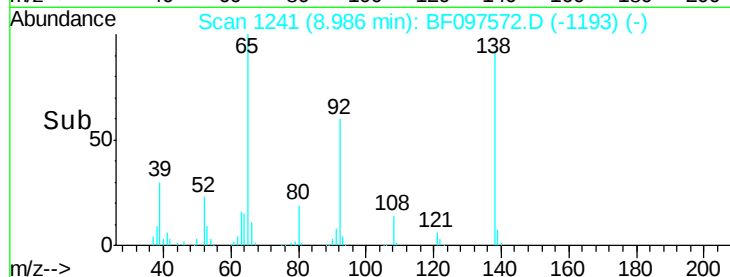
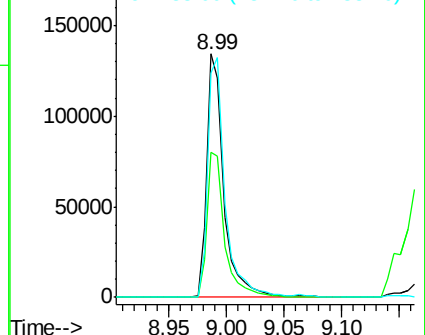
65 100

92 59.8 53.9 80.9

138 92.3 78.8 118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 29.71 ng

RT: 9.28 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

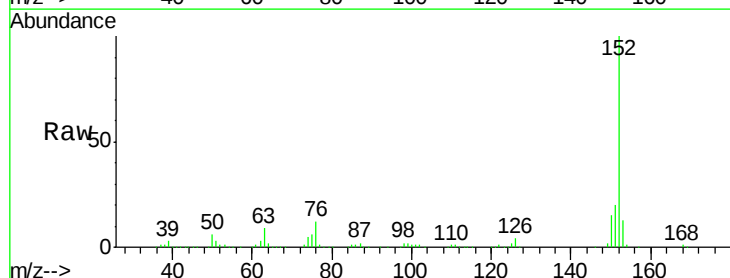
Tgt Ion: 152 Resp: 541663

Ion Ratio Lower Upper

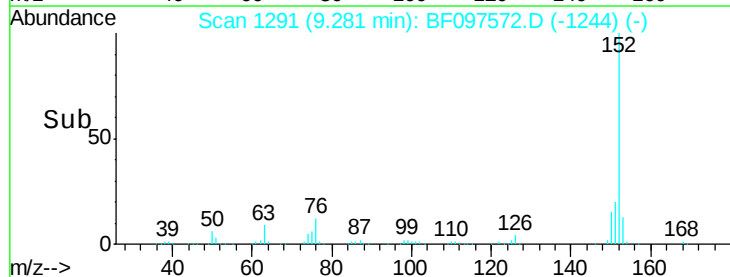
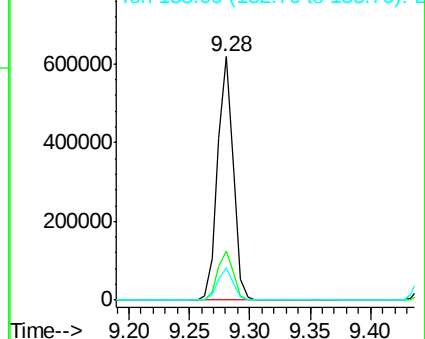
152 100

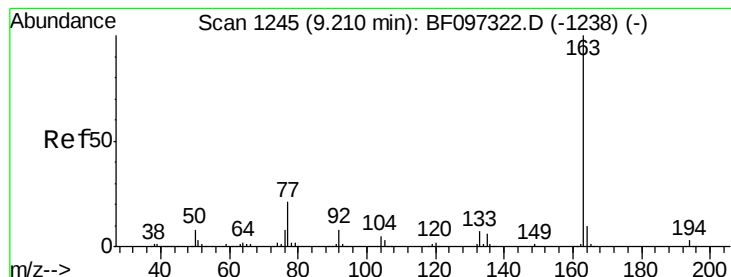
151 20.2 16.8 25.2

153 13.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 38.11 ng

RT: 9.16 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

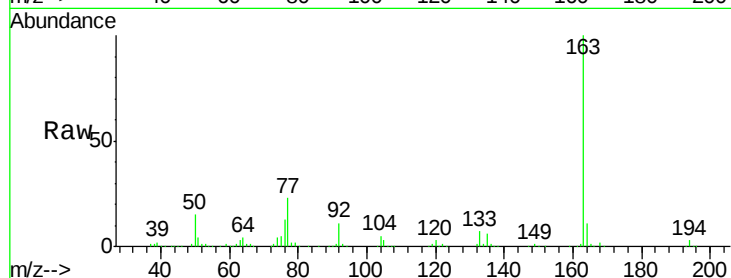
Tot Ion:163 Resp: 546947

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

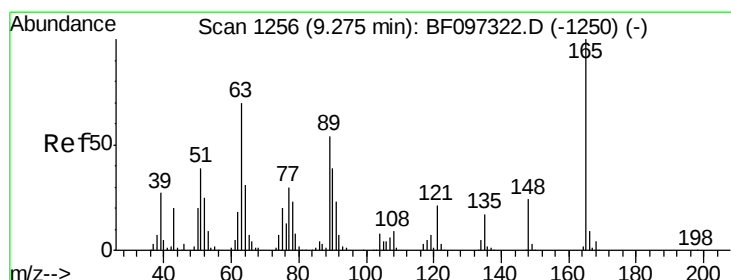
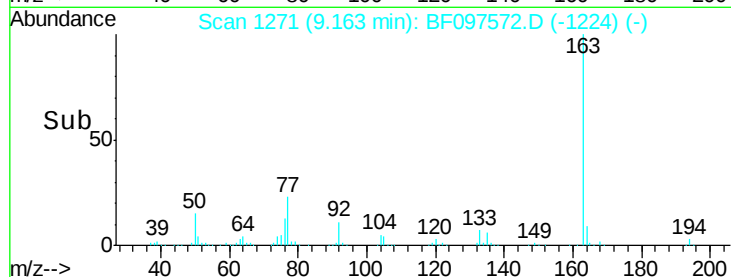
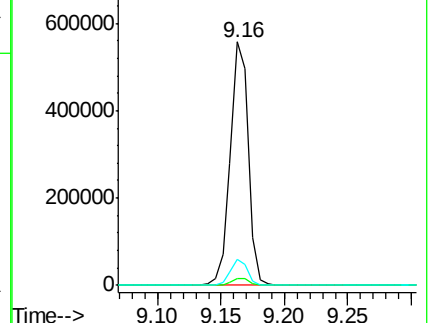
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 28.98 ng

RT: 9.23 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

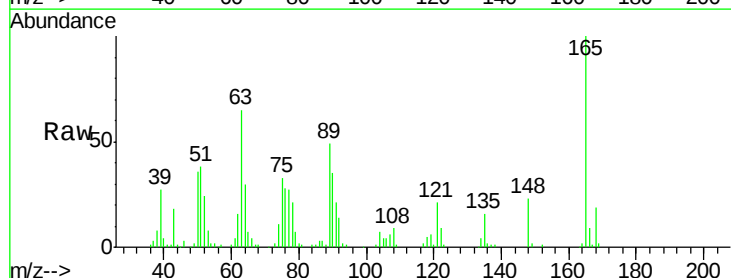
Tgt Ion:165 Resp: 88218

Ion Ratio Lower Upper

165 100

63 65.4 34.3 51.5#

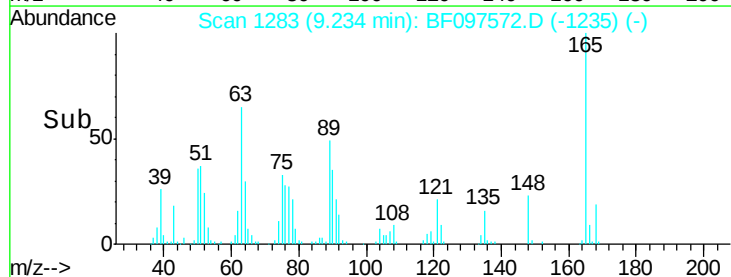
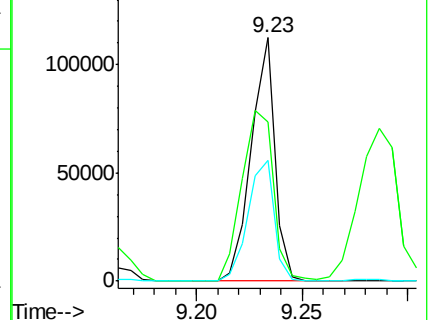
89 49.4 37.1 55.7

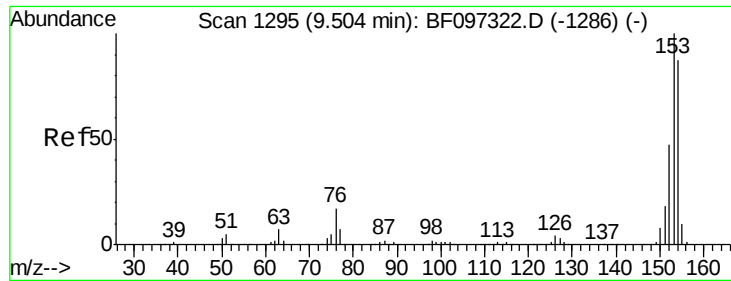


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 29.37 ng

RT: 9.45 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

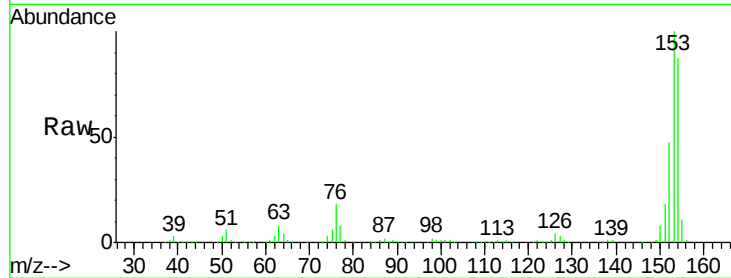
Tot Ion:154 Resp: 315491

Ion Ratio Lower Upper

154 100

153 114.9 90.5 135.7

152 54.4 43.6 65.4



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

500000

400000

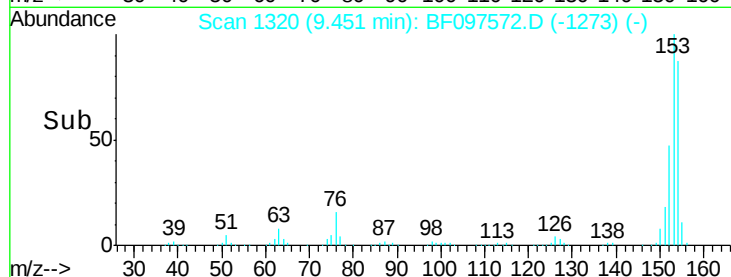
300000

200000

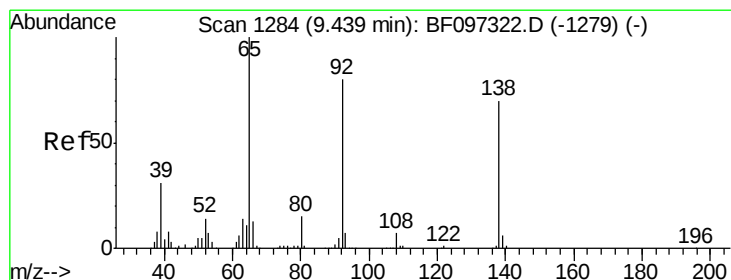
100000

0

9.35 9.40 9.45 9.50



Time-->



#52

3-Nitroaniline

Concen: 25.31 ng

RT: 9.40 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

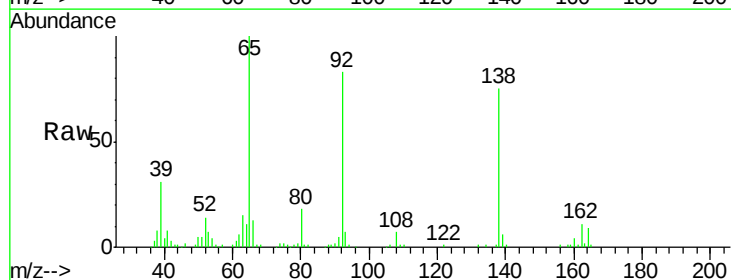
Tgt Ion:138 Resp: 95619

Ion Ratio Lower Upper

138 100

108 8.6 9.1 13.7#

92 109.5 93.8 140.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

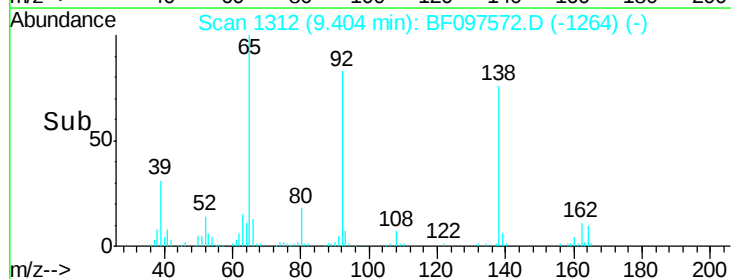
Ion 92.00 (91.70 to 92.70): BF0

100000

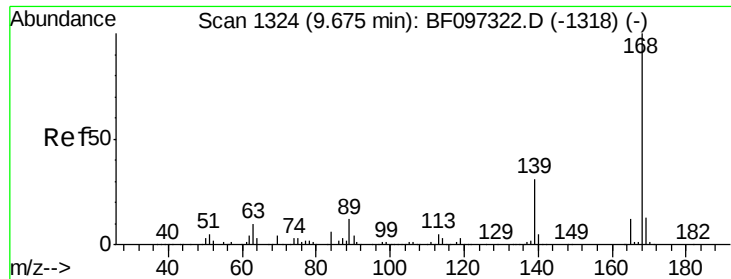
50000

0

9.35 9.40 9.45 9.50



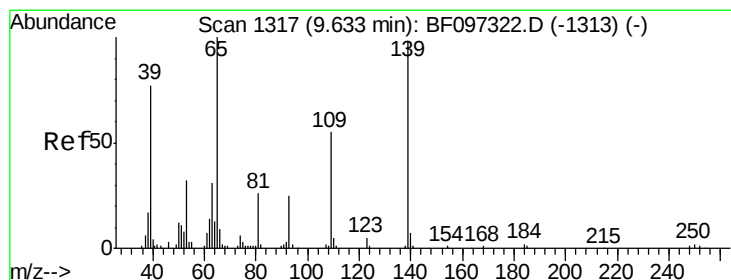
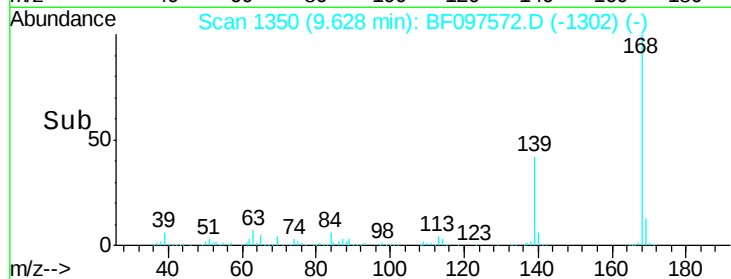
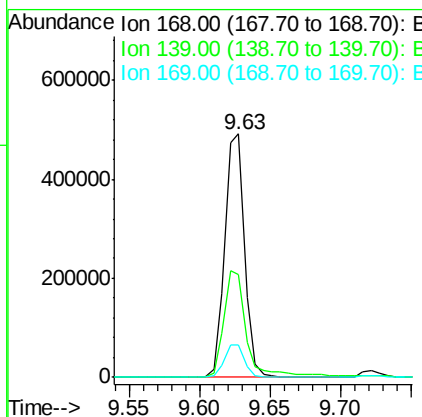
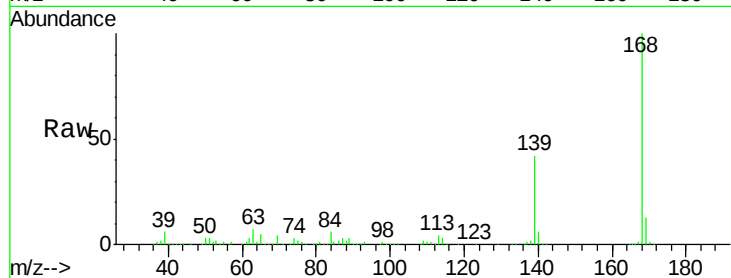
Time-->



#54  
 Dibenzofuran  
 Concen: 33.42 ng  
 RT: 9.63 min Scan# 1350  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

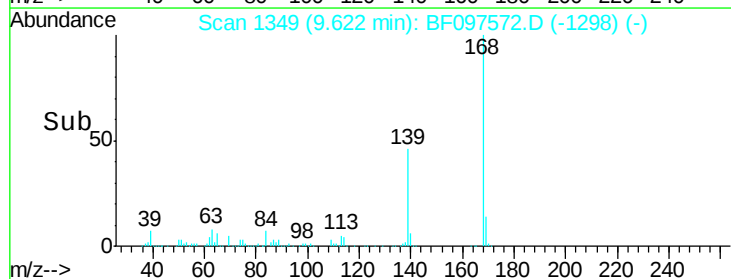
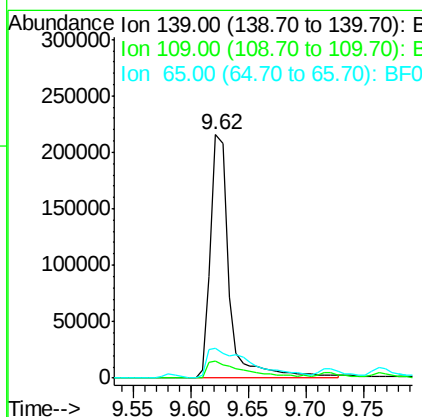
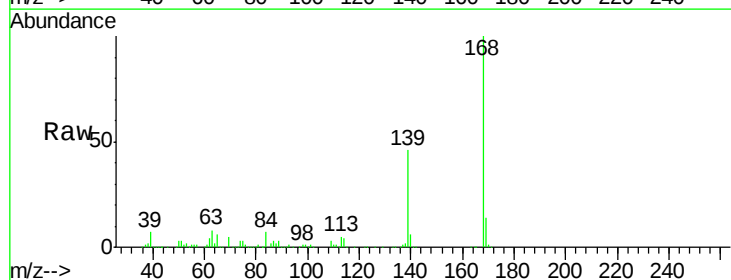
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

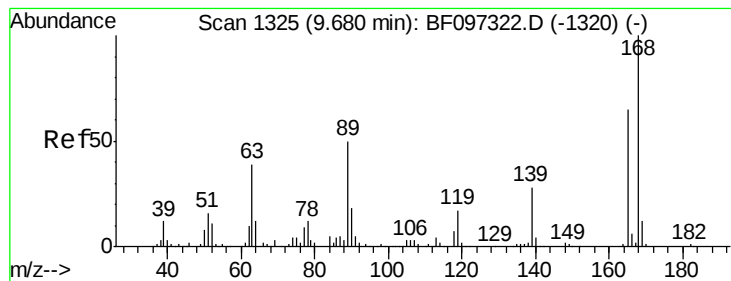
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 42.3  | 30.6  | 45.8  |
| 169     | 13.1  | 10.8  | 16.2  |



#55  
 4-Nitrophenol  
 Concen: 110.01 ng  
 RT: 9.62 min Scan# 1349  
 Delta R.T. 0.00 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 7.1   | 34.1  | 74.1# |
| 65      | 12.4  | 31.4  | 71.4# |





#56

2,4-Dinitrotoluene

Concen: 34.29 ng

RT: 9.65 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tot Ion:165 Resp: 120000

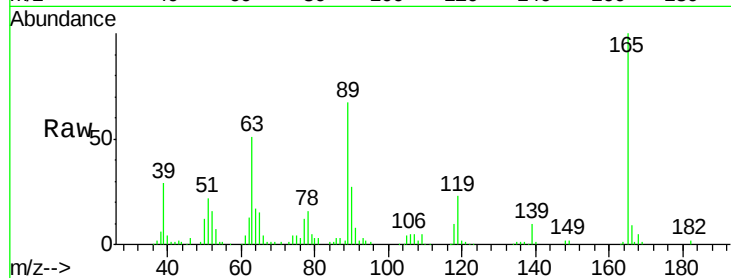
Ion Ratio Lower Upper

165 100

63 51.1 25.4 38.0#

89 67.0 46.4 69.6

182 1.8 1.8 2.6

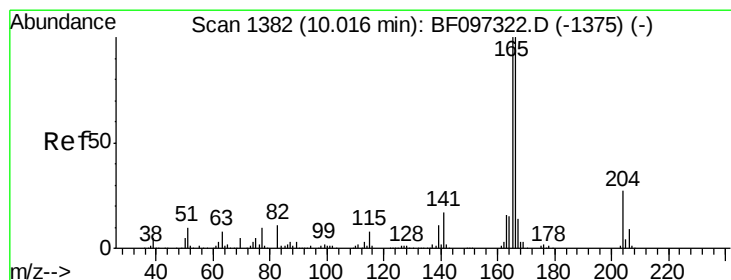
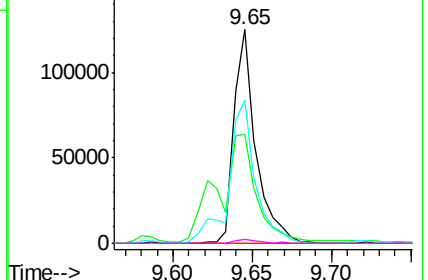
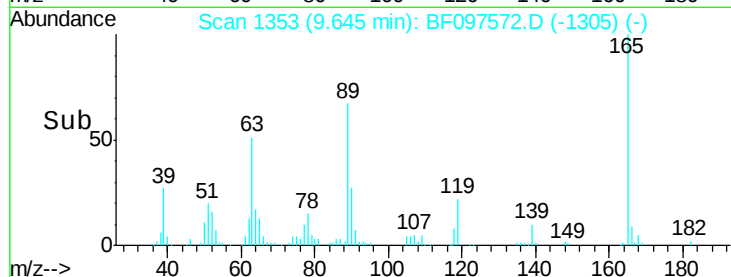


Abundance Ion 165.00 (164.70 to 165.70): E

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: 31.85 ng

RT: 9.96 min Scan# 1407

Delta R.T. -0.03 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

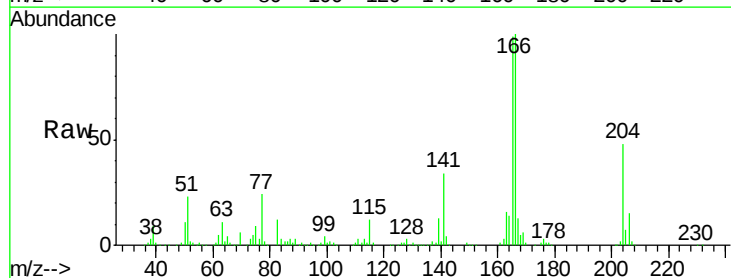
Tgt Ion:166 Resp: 342449

Ion Ratio Lower Upper

166 100

165 98.9 78.8 118.2

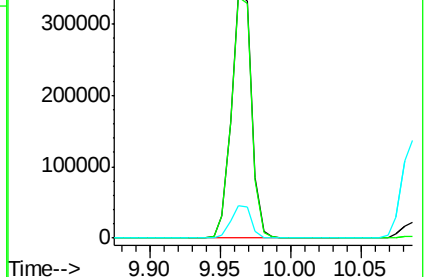
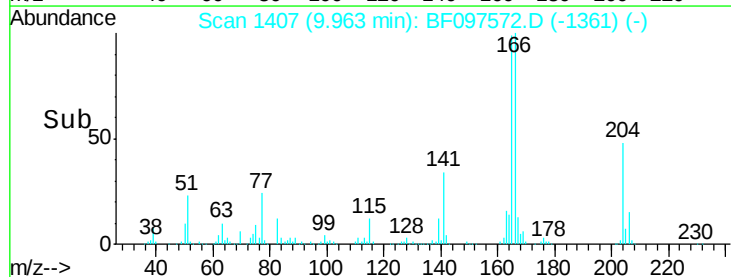
167 13.4 10.6 16.0

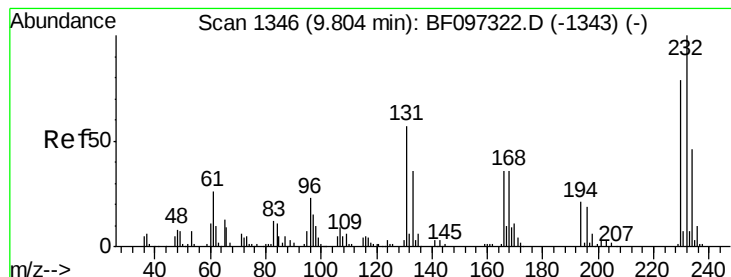


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#58

2,3,4,6-Tetrachlorophenol

Concen: 26.77 ng

RT: 9.76 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

Tot Ion:232 Resp: 67609

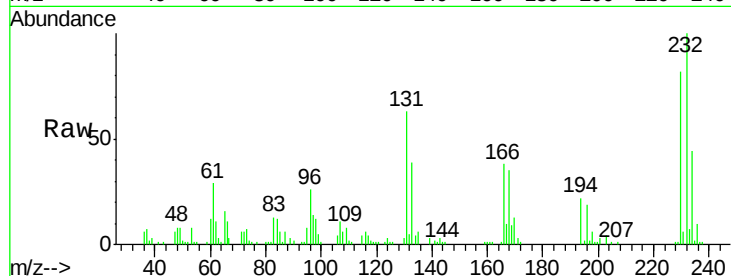
Ion Ratio Lower Upper

232 100

131 59.8 44.8 67.2

130 2.7 2.3 3.5

166 35.1 29.0 43.4

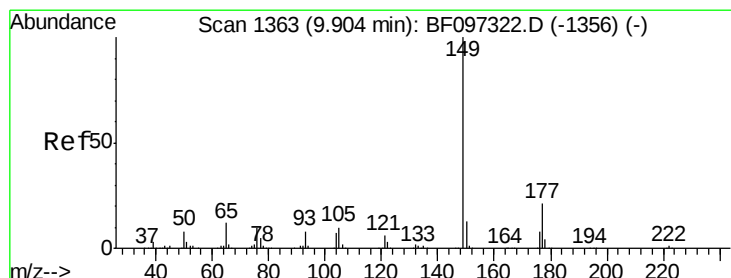
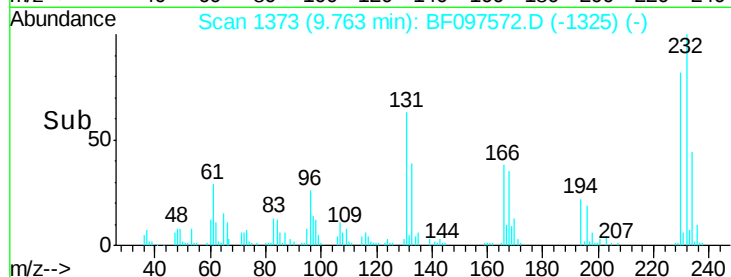
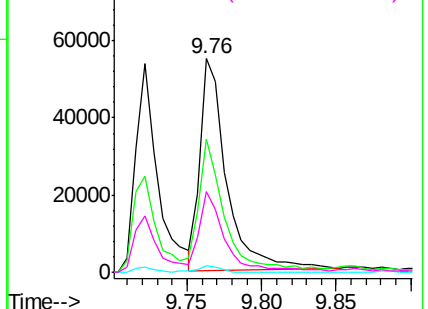


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 30.79 ng

RT: 9.86 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

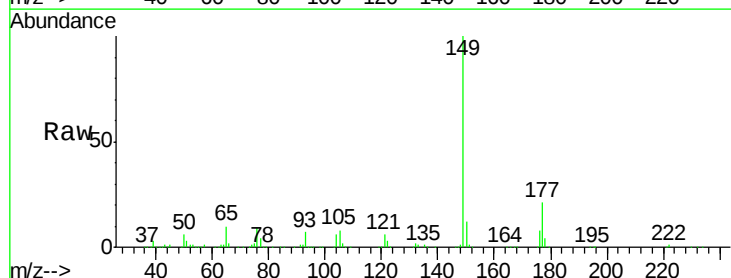
Tgt Ion:149 Resp: 405383

Ion Ratio Lower Upper

149 100

177 20.6 16.7 25.1

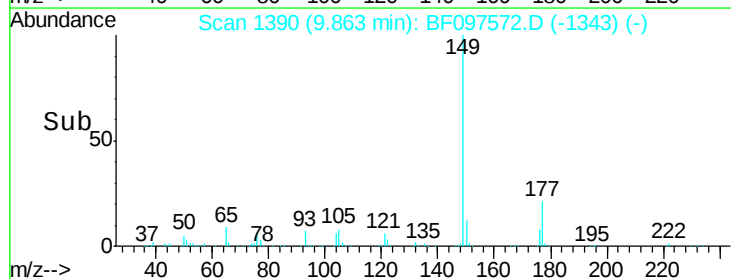
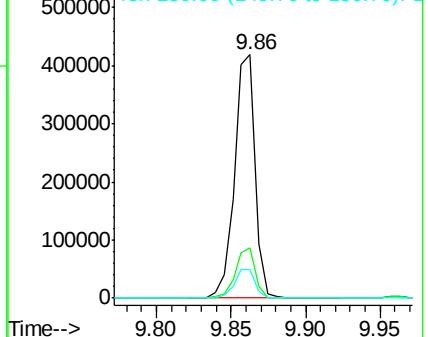
150 11.6 10.2 15.2

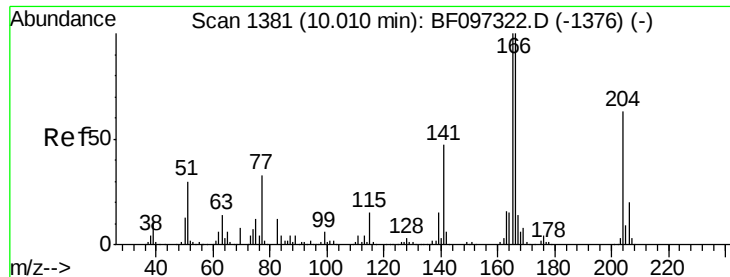


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

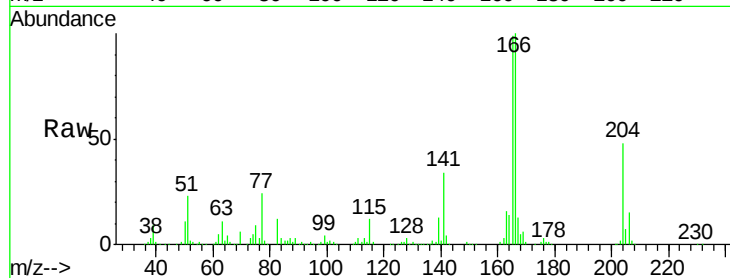




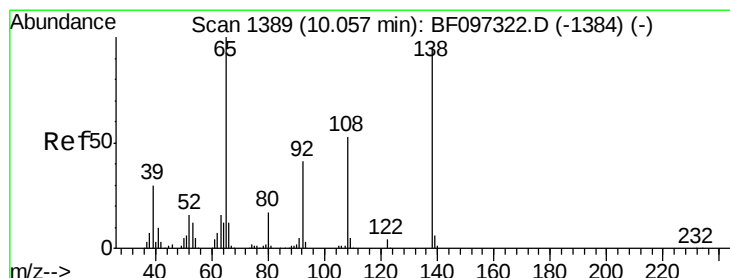
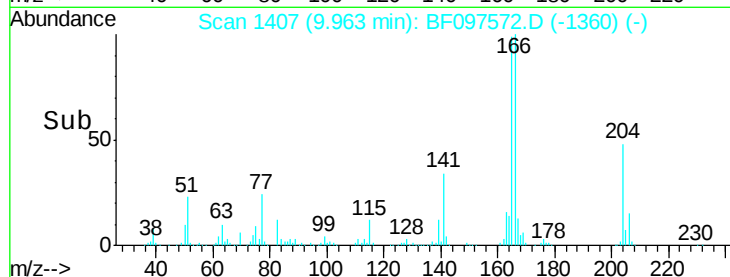
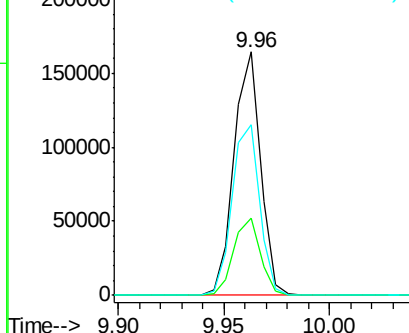
#60  
4-Chlorophenyl-phenylether  
Concen: 31.95 ng  
RT: 9.96 min Scan# 1407  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tot Ion:204 Resp: 141880  
Ion Ratio Lower Upper  
204 100  
206 31.8 26.2 39.2  
141 70.3 60.8 91.2

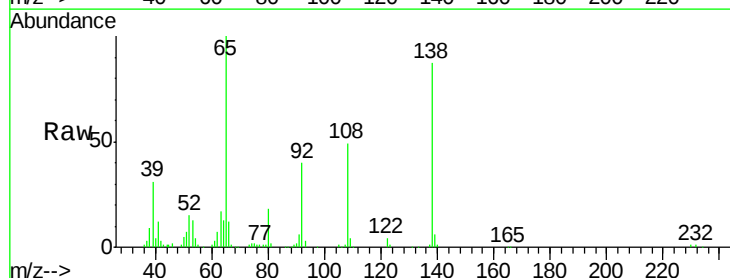


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

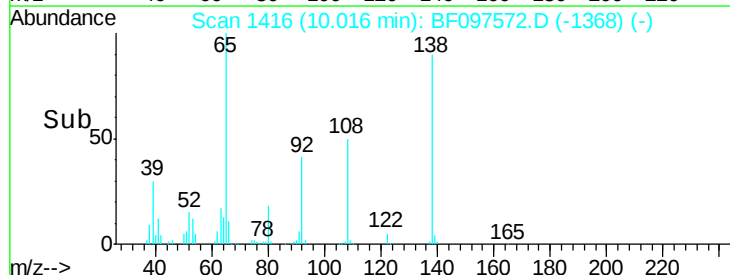
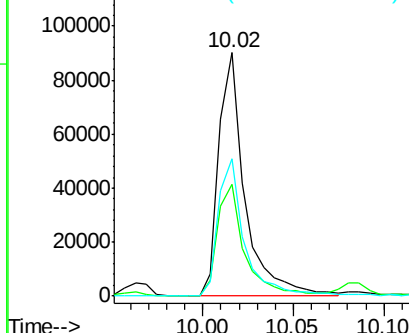


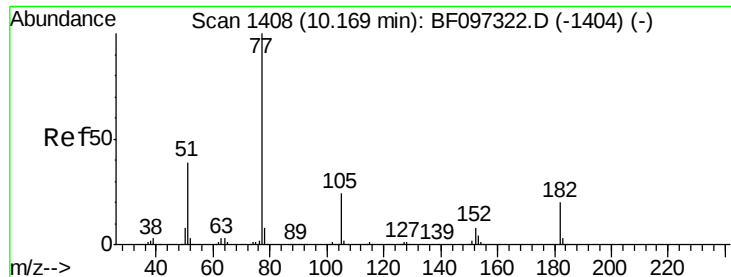
#61  
4-Nitroaniline  
Concen: 25.29 ng  
RT: 10.02 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:138 Resp: 90793  
Ion Ratio Lower Upper  
138 100  
92 45.8 21.8 61.8  
108 56.3 42.3 82.3



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

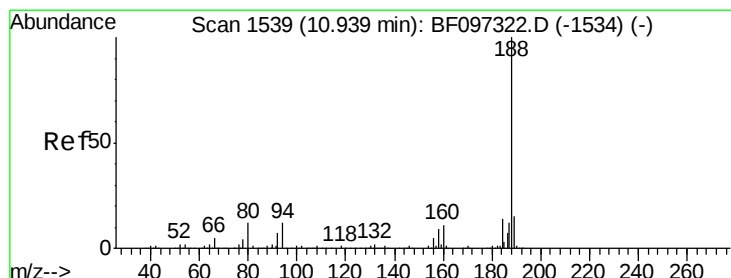
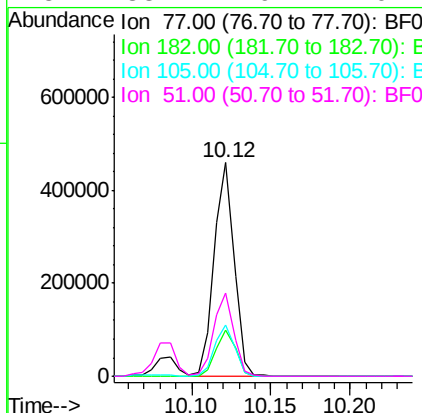
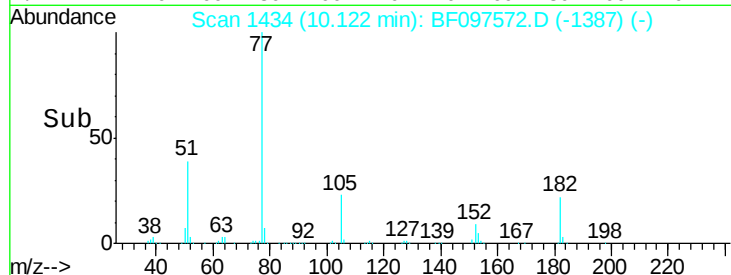
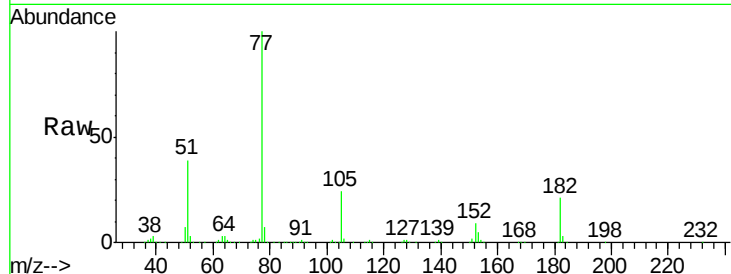




#62  
 Azobenzene  
 Concen: 33.16 ng  
 RT: 10.12 min Scan# 1434  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

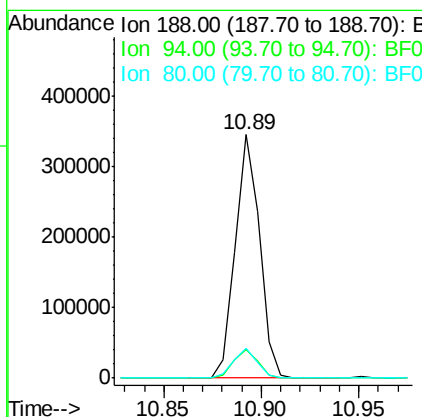
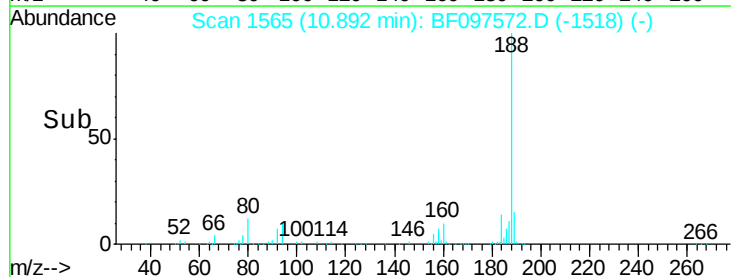
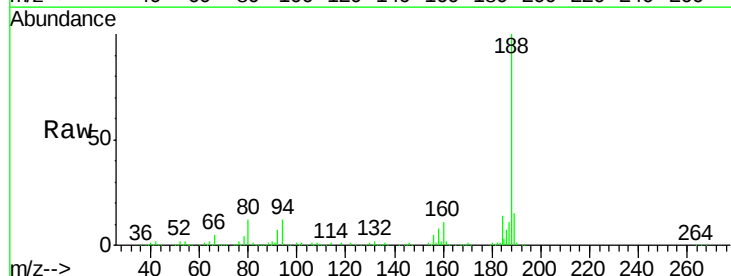
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

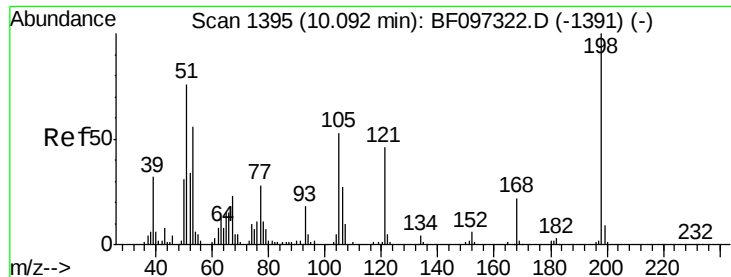
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 405055 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 21.5  | 0.1   | 40.1   |
| 105      | 24.1  | 3.6   | 43.6   |
| 51       | 38.7  | 9.4   | 49.4   |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 10.89 min Scan# 1565  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 299230 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.9  | 9.4   | 14.2   |
| 80       | 12.4  | 10.2  | 15.2   |

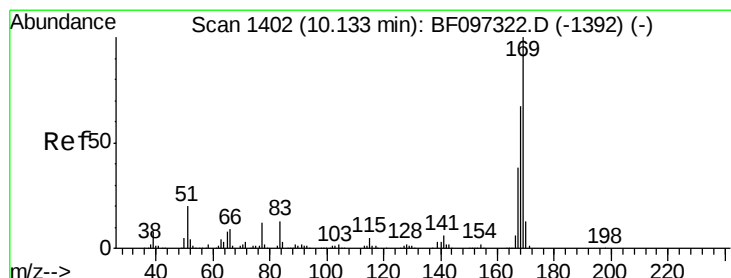
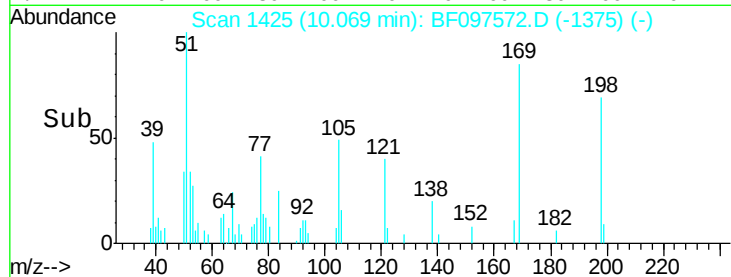
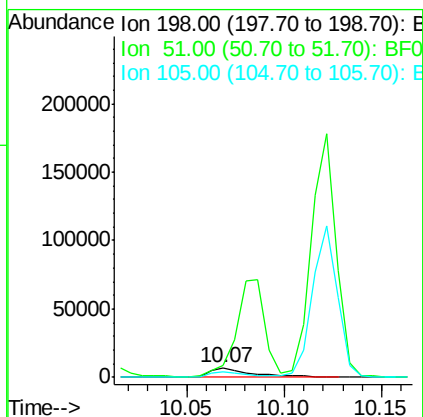
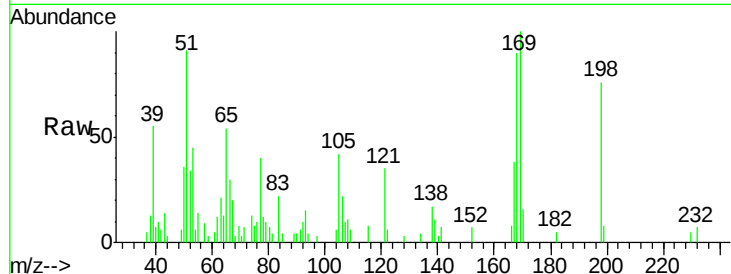




#64  
4,6-Dinitro-2-methylphenol  
Concen: 5.44 ng  
RT: 10.07 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

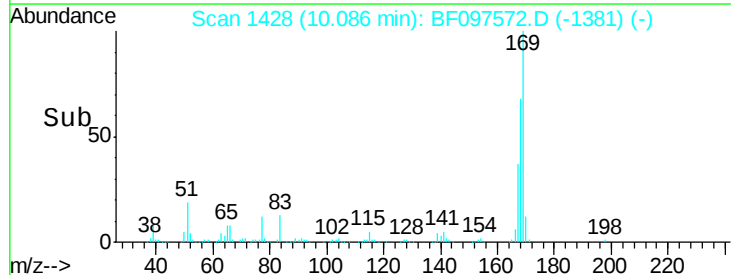
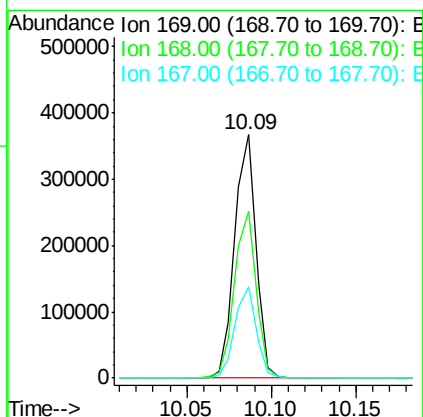
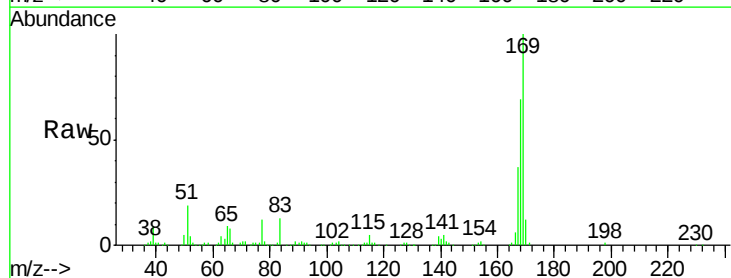
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

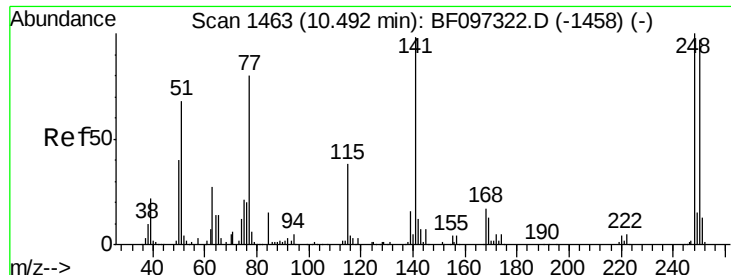
Tot Ion:198 Resp: 10115  
Ion Ratio Lower Upper  
198 100  
51 119.9 53.2 93.2#  
105 55.7 45.8 85.8



#65  
n-Nitrosodiphenylamine  
Concen: 30.89 ng  
RT: 10.09 min Scan# 1428  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:169 Resp: 321613  
Ion Ratio Lower Upper  
169 100  
168 68.5 53.2 79.8  
167 37.4 29.5 44.3

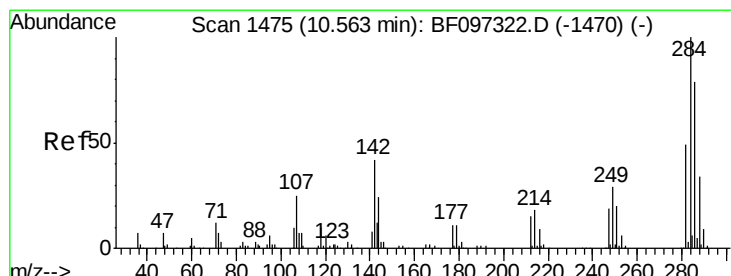
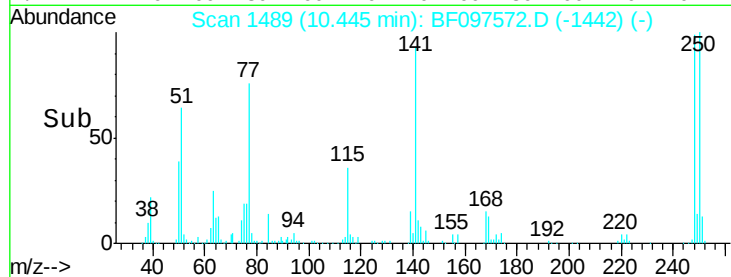
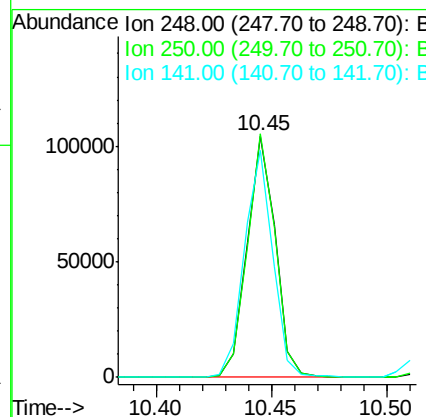
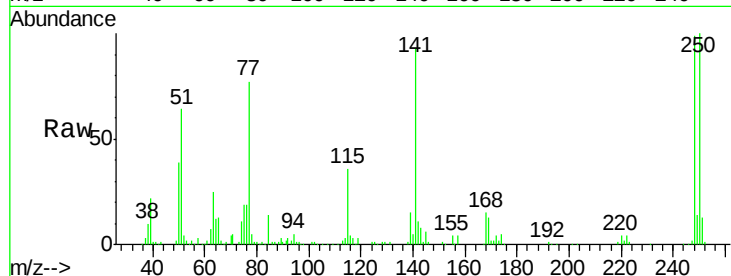




#66  
 4-Bromophenyl-phenylether  
 Concen: 30.00 ng  
 RT: 10.45 min Scan# 1489  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

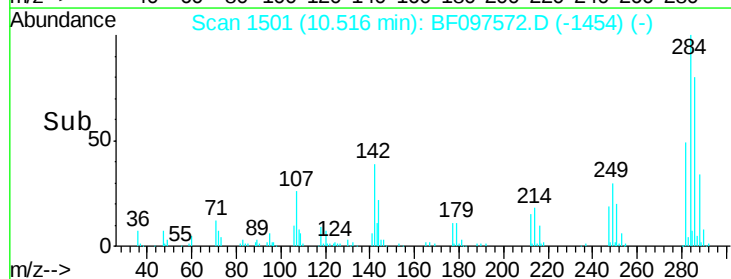
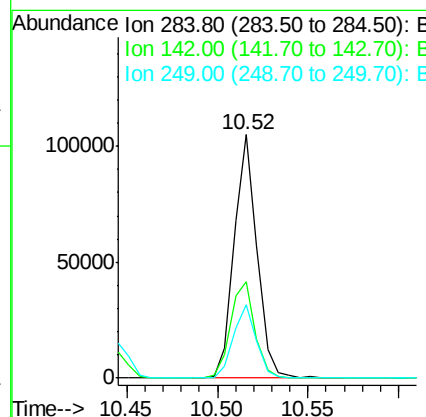
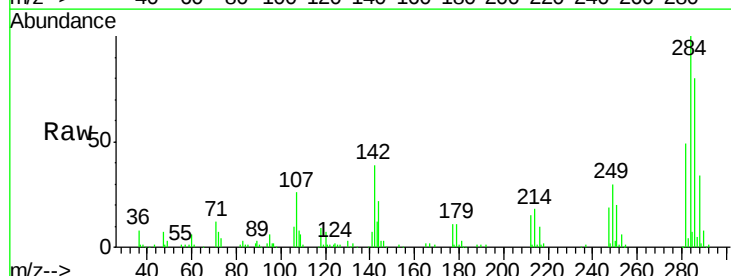
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

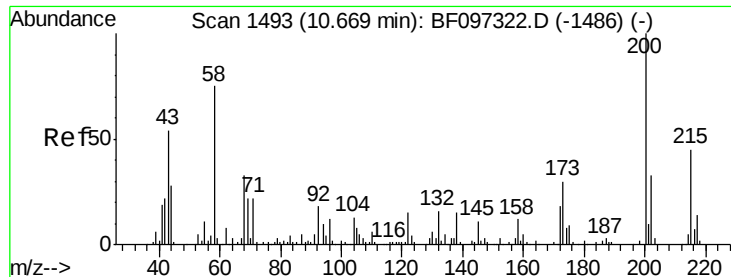
|             |       |            |
|-------------|-------|------------|
| Tot Ion:248 | Resp: | 89600      |
| Ion Ratio   | Lower | Upper      |
| 248         | 100   |            |
| 250         | 100.8 | 76.8 115.2 |
| 141         | 94.2  | 68.6 103.0 |



#67  
 Hexachlorobenzene  
 Concen: 27.46 ng  
 RT: 10.52 min Scan# 1501  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:284 | Resp: | 91960      |
| Ion Ratio   | Lower | Upper      |
| 284         | 100   |            |
| 142         | 39.5  | 22.8 34.2# |
| 249         | 30.0  | 24.0 36.0  |





#68

Atrazine

Concen: 31.33 ng

RT: 10.62 min Scan# 1519

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

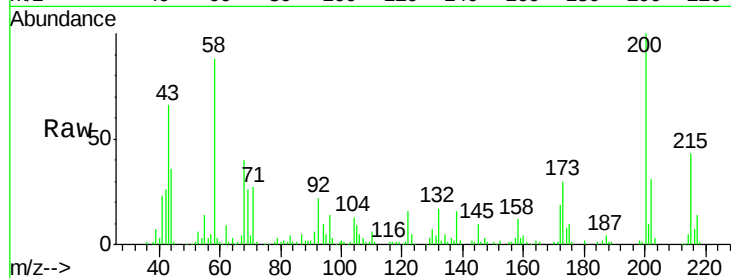
Tot Ion:200 Resp: 93530

Ion Ratio Lower Upper

200 100

173 30.0 6.3 46.3

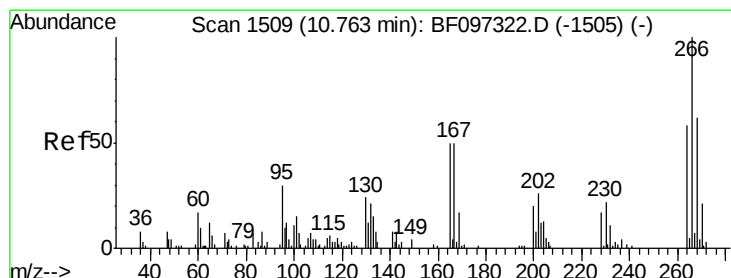
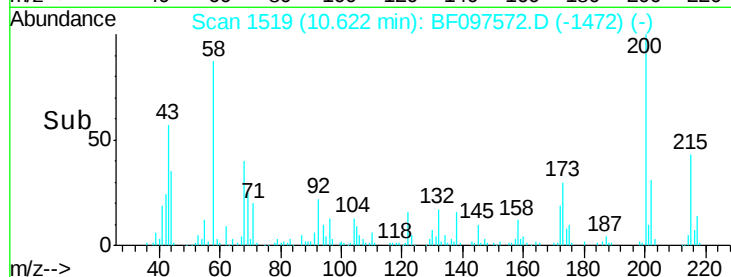
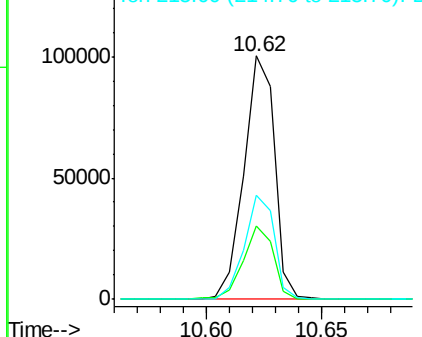
215 43.0 27.2 67.2



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: 20.64 ng

RT: 10.73 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

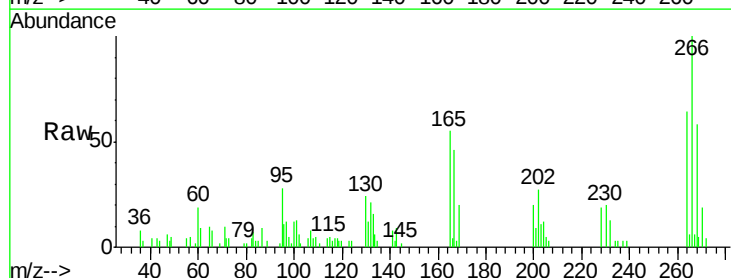
Tgt Ion:266 Resp: 28602

Ion Ratio Lower Upper

266 100

268 58.5 51.1 76.7

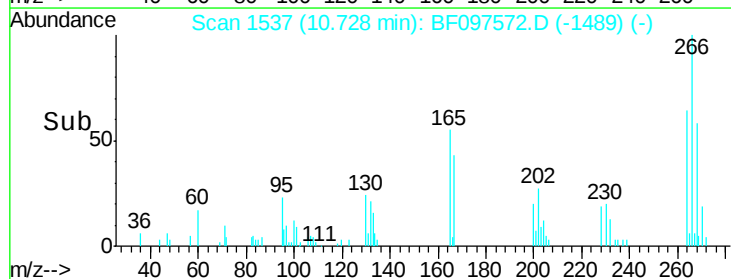
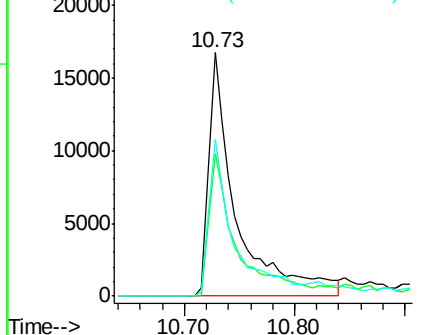
264 64.3 51.7 77.5

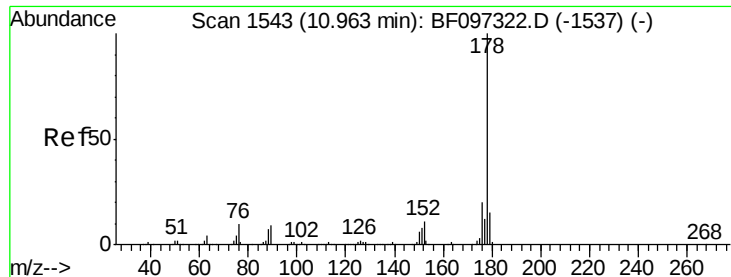


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

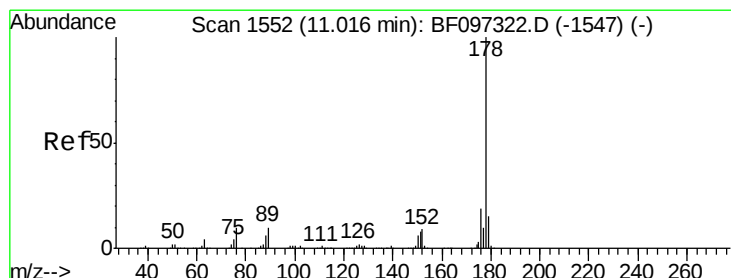
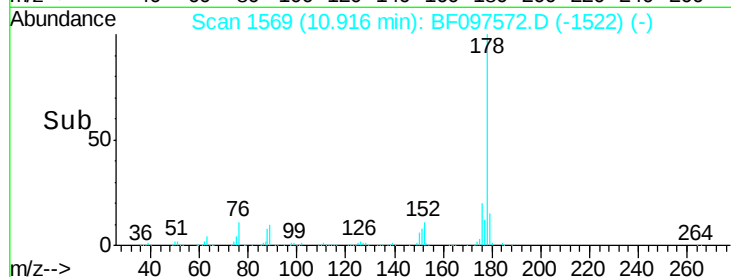
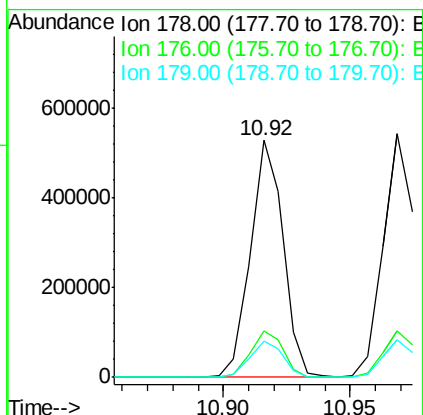
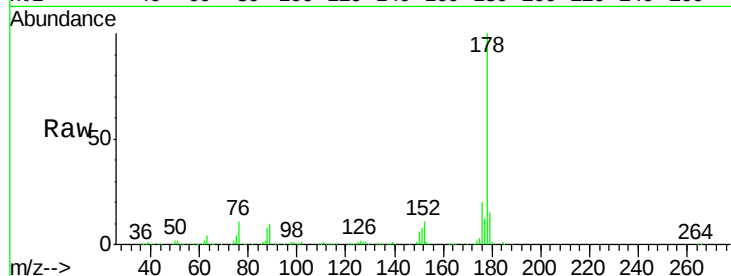




#70  
Phenanthrene  
Concen: 29.64 ng  
RT: 10.92 min Scan# 1569  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

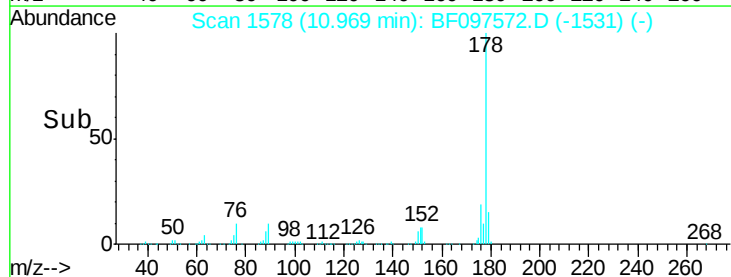
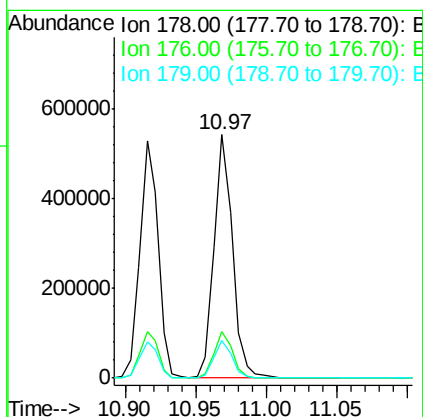
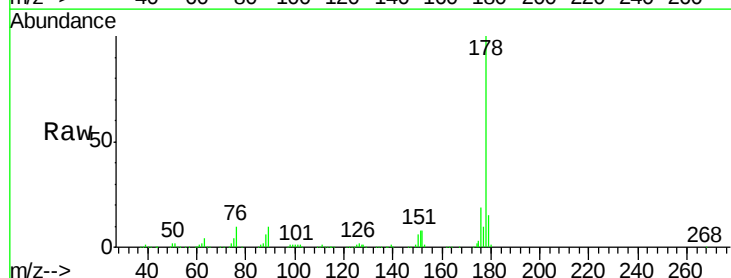
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

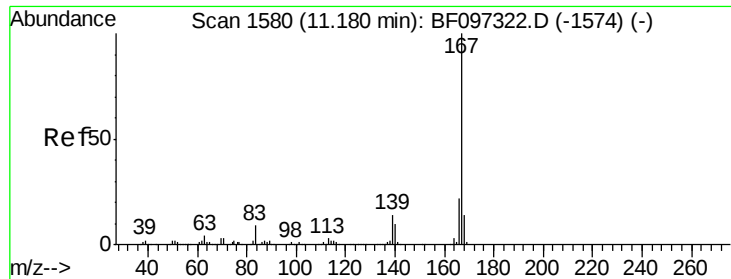
Tot Ion:178 Resp: 475233  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.2 24.4  
179 15.4 12.6 19.0



#71  
Anthracene  
Concen: 30.10 ng  
RT: 10.97 min Scan# 1578  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:178 Resp: 494353  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.8 23.8  
179 15.3 12.7 19.1

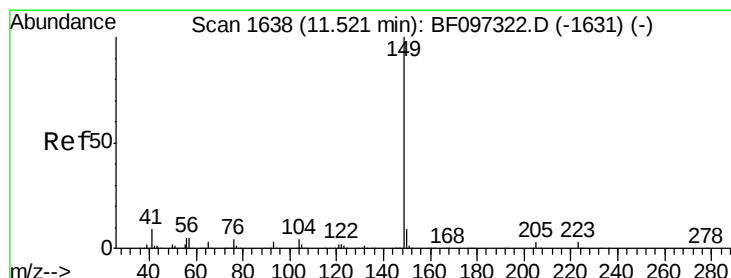
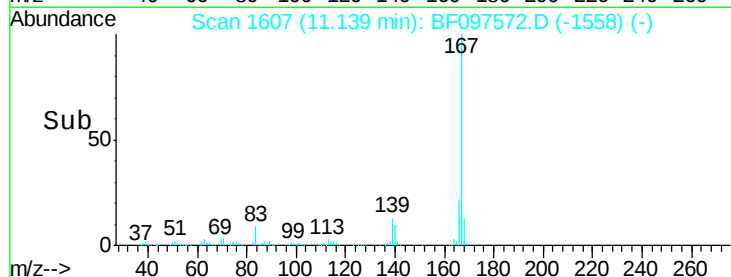
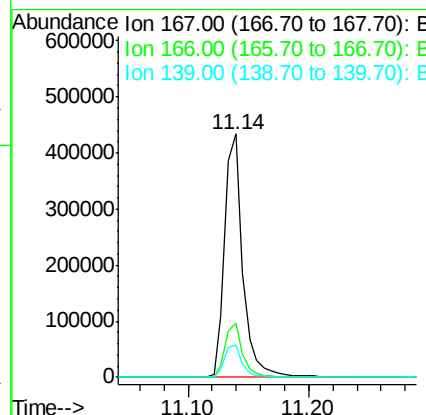
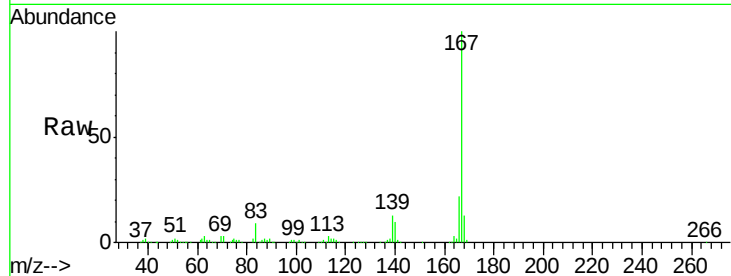




#72  
 Carbazole  
 Concen: 27.81 ng  
 RT: 11.14 min Scan# 1607  
 Delta R.T. -0.01 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

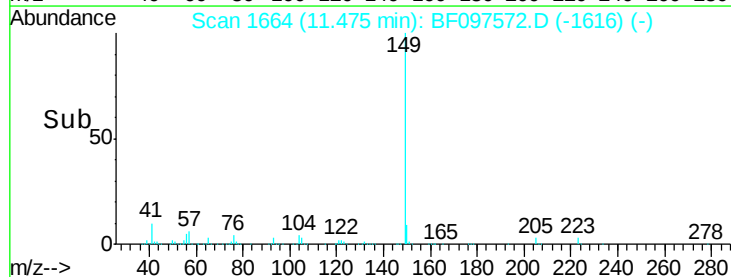
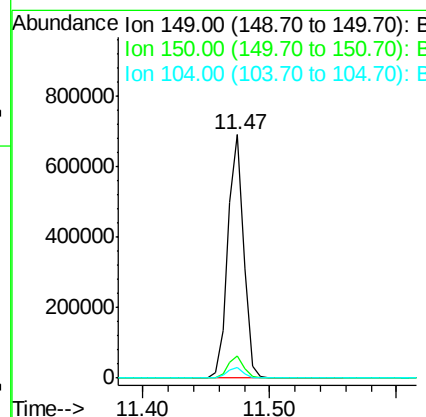
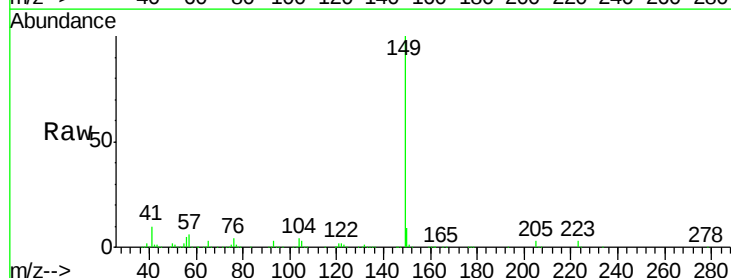
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

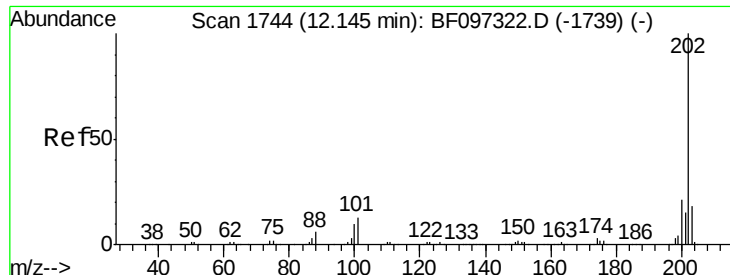
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 18.1  | 27.1  |
| 139     | 13.3  | 11.7  | 17.5  |



#73  
 Di-n-butylphthalate  
 Concen: 30.04 ng  
 RT: 11.47 min Scan# 1664  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.1   | 7.7   | 11.5  |
| 104     | 4.4   | 4.0   | 6.0   |

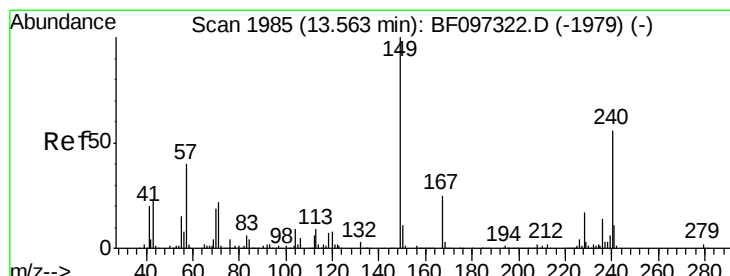
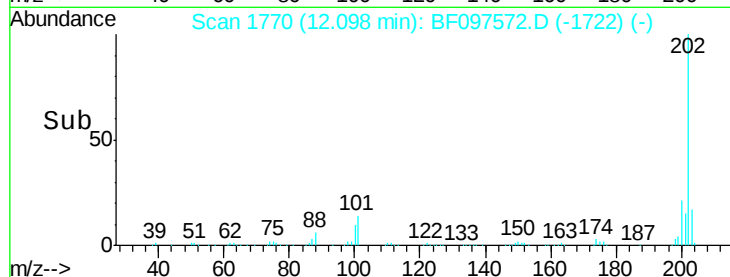
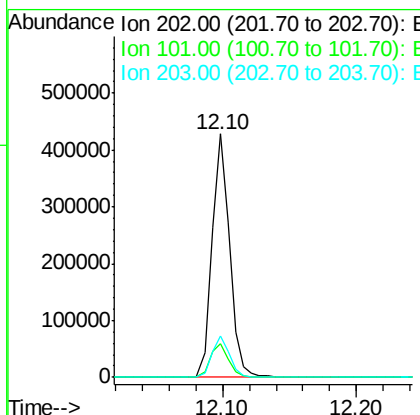
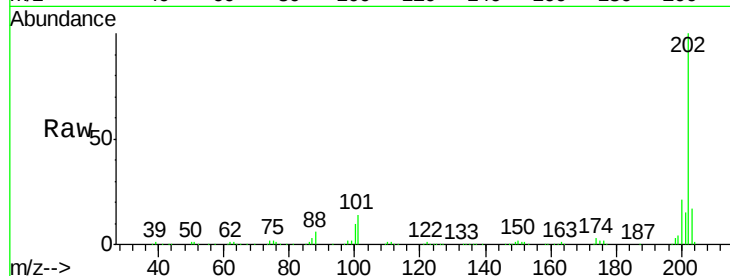




#74  
 Fluoranthene  
 Concen: 25.35 ng  
 RT: 12.10 min Scan# 1770  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

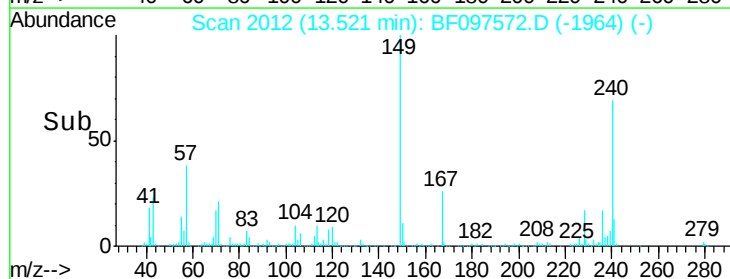
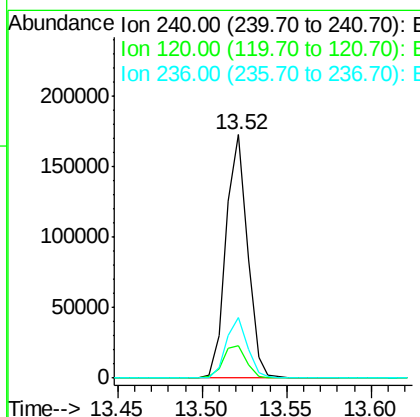
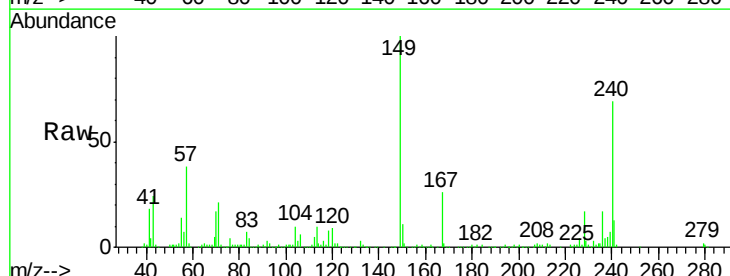
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

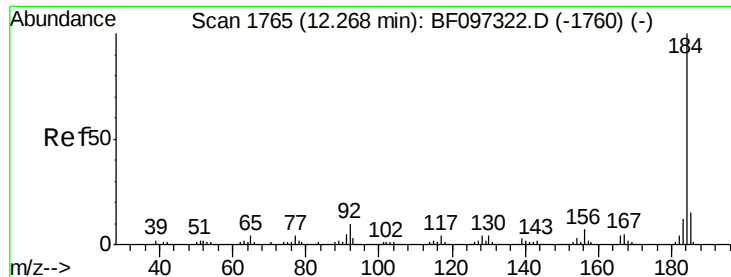
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 0.0   | 33.2  |
| 203     | 17.0  | 0.0   | 38.1  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.52 min Scan# 2012  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.4  | 5.8   | 8.8#  |
| 236     | 25.1  | 20.5  | 30.7  |

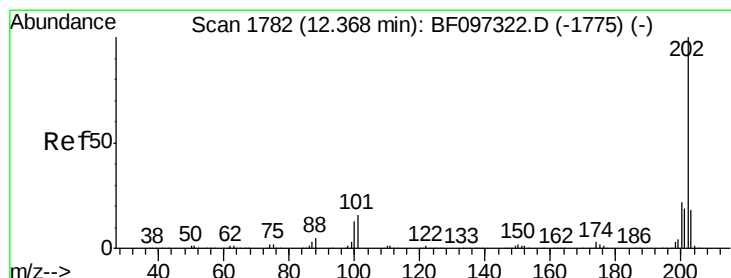
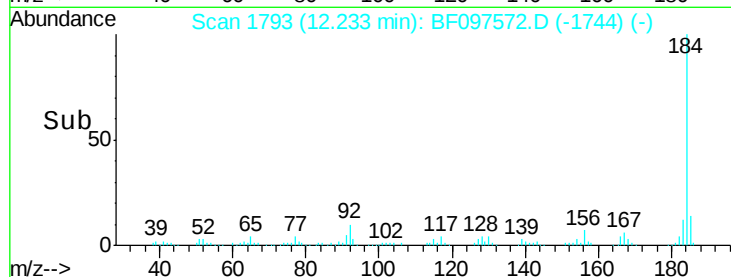
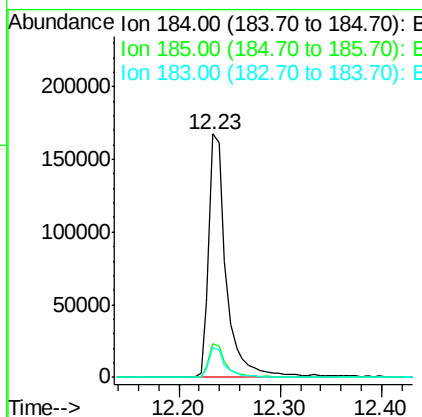
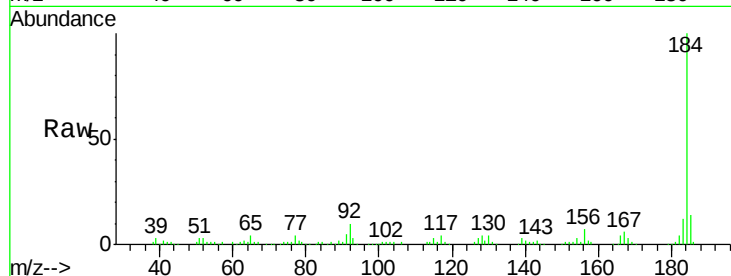




#76  
Benzidine  
Concen: 35.68 ng  
RT: 12.23 min Scan# 1793  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

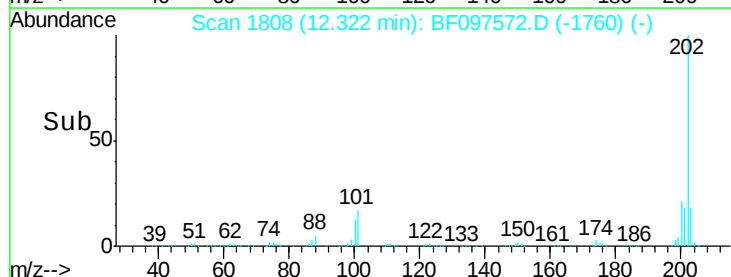
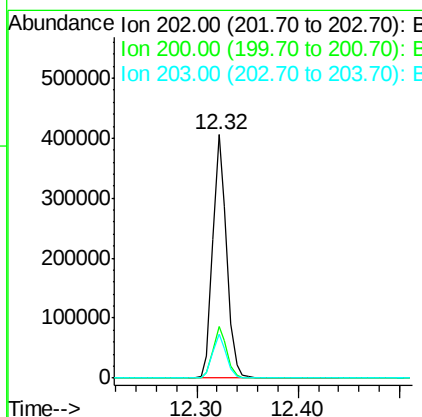
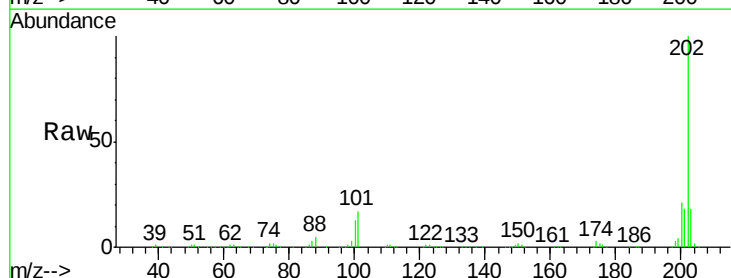
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

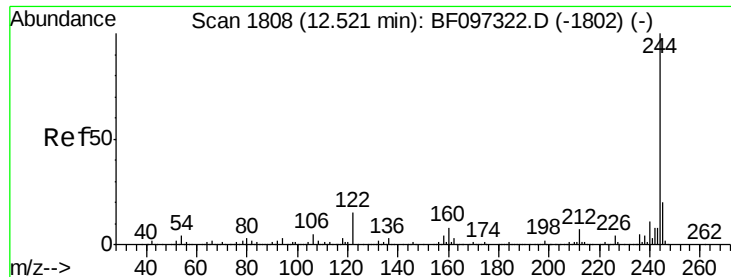
Tot Ion:184 Resp: 203089  
Ion Ratio Lower Upper  
184 100  
185 14.0 15.5 23.3#  
183 12.2 9.8 14.6



#77  
Pyrene  
Concen: 30.66 ng  
RT: 12.32 min Scan# 1808  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:202 Resp: 385108  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.6 26.4  
203 18.1 14.4 21.6

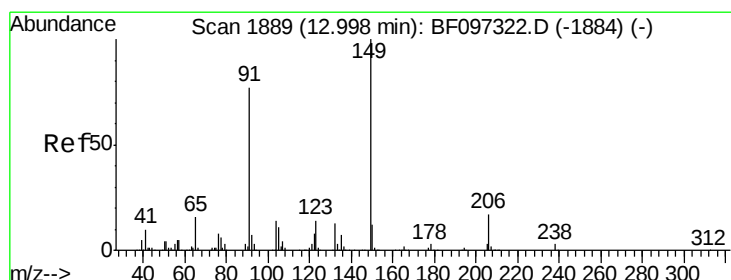
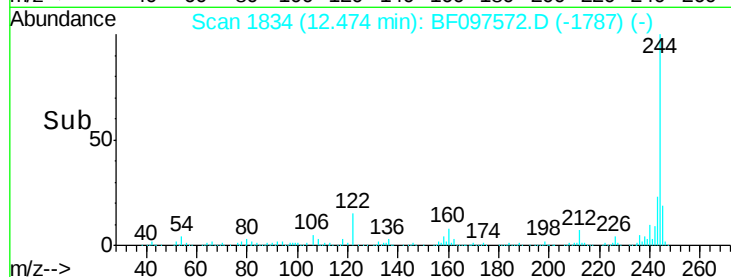
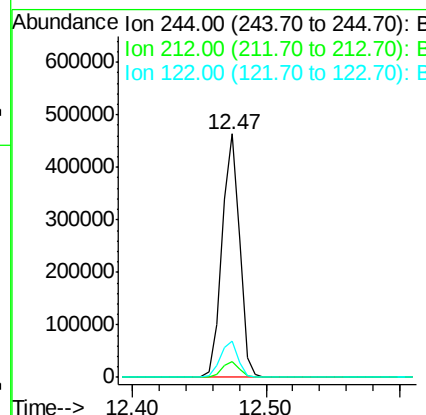
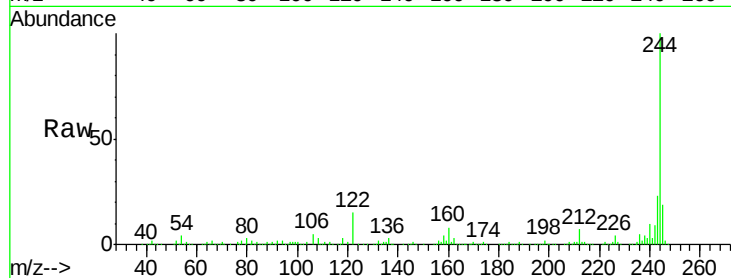




#78  
 Terphenyl-d14  
 Concen: 57.44 ng  
 RT: 12.47 min Scan# 1834  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

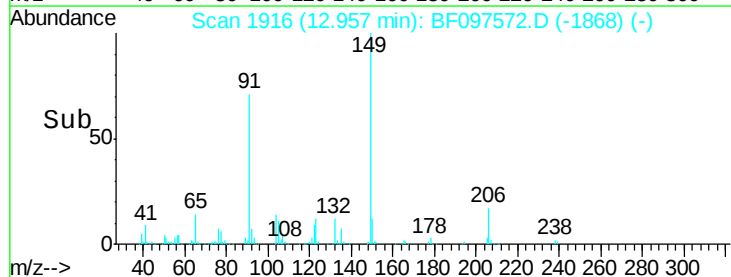
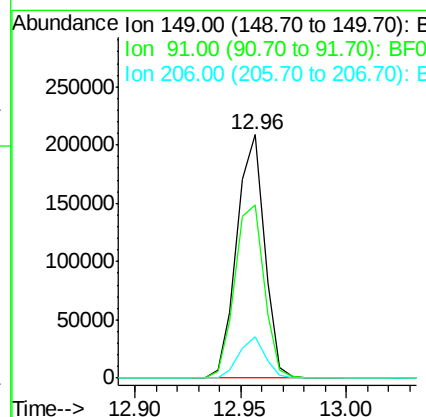
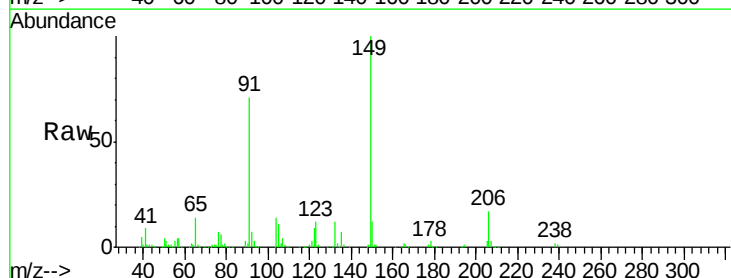
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRAP-ROCK-FINESMSD

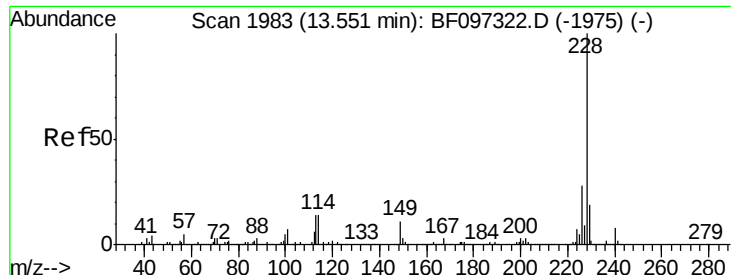
Tot Ion:244 Resp: 432202  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 6.0 9.0  
 122 14.8 10.3 15.5



#79  
 Butylbenzylphthalate  
 Concen: 29.64 ng  
 RT: 12.96 min Scan# 1916  
 Delta R.T. -0.02 min  
 Lab File: BF097572.D  
 Acq: 10 Aug 2017 21:51

Tgt Ion:149 Resp: 189362  
 Ion Ratio Lower Upper  
 149 100  
 91 71.4 45.0 67.4#  
 206 17.2 17.0 25.6





#80

Benzo(a)anthracene

Concen: 26.36 ng

RT: 13.51 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

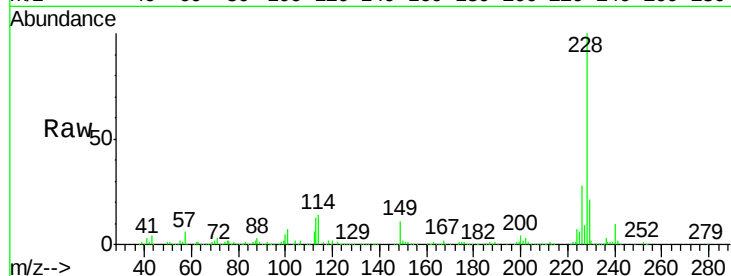
Tot Ion:228 Resp: 261678

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

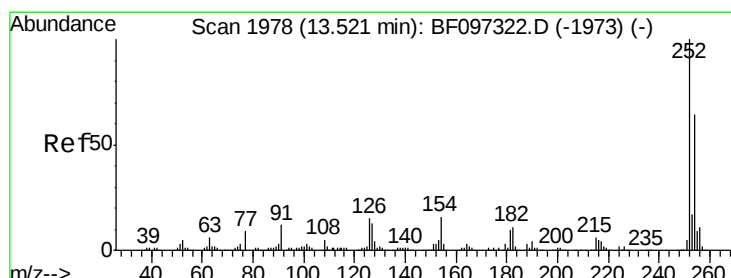
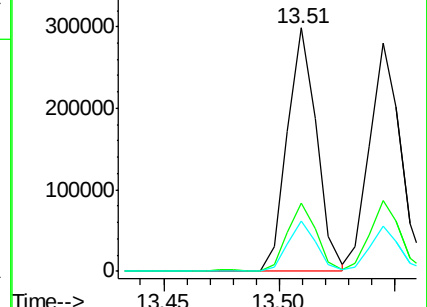
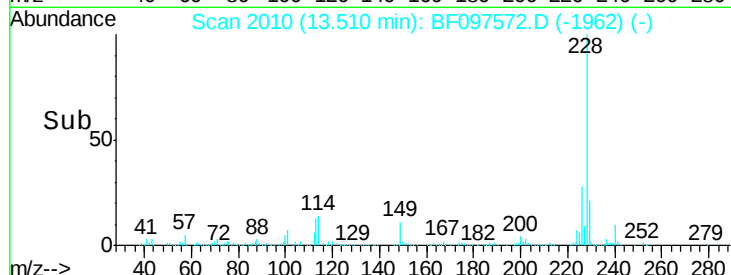
229 20.5 16.3 24.5



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



#81

3,3'-Dichlorobenzidine

Concen: 25.59 ng

RT: 13.48 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

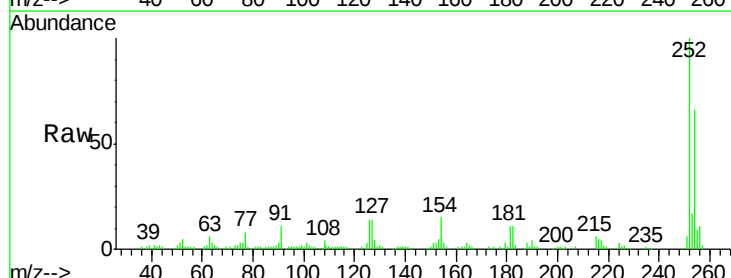
Tgt Ion:252 Resp: 95770

Ion Ratio Lower Upper

252 100

254 65.6 51.5 77.3

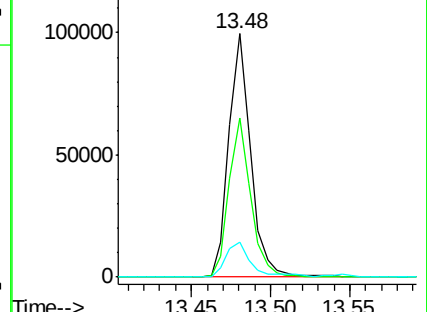
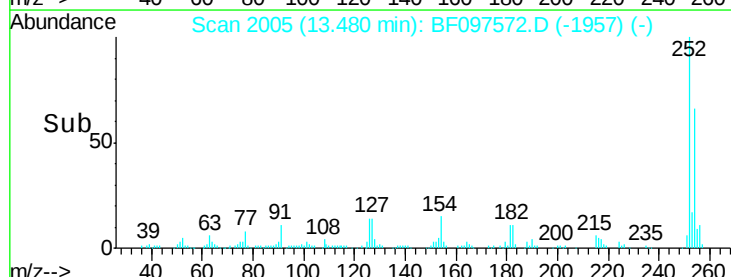
126 14.4 15.8 23.8#

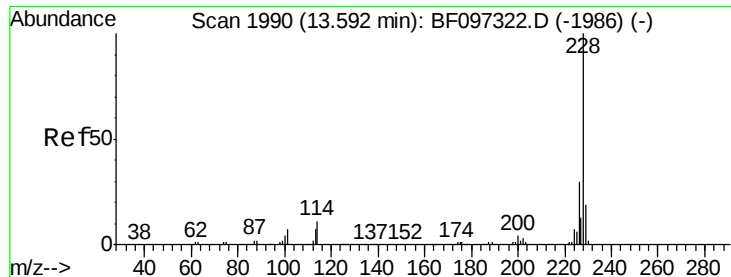


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 27.04 ng

RT: 13.55 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

Instrument :

BNA\_F

ClientSampleId :

TRAP-ROCK-FINESMSD

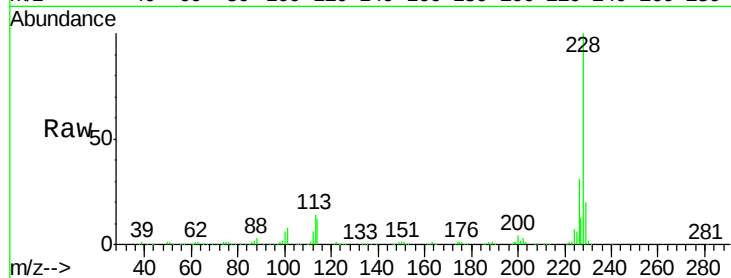
Tot Ion:228 Resp: 262065

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

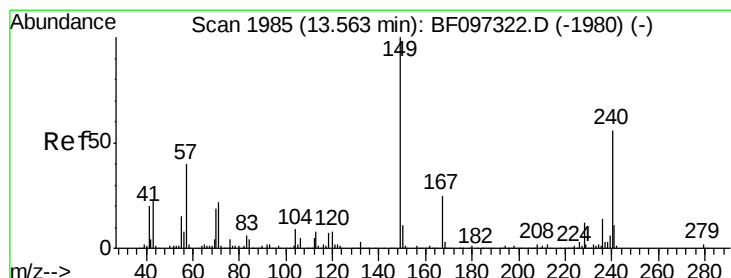
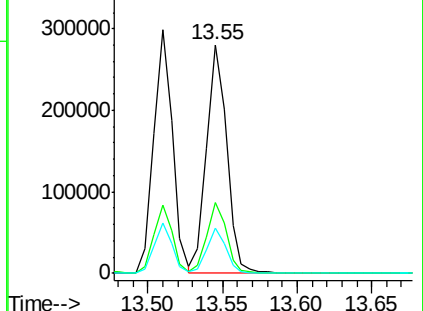
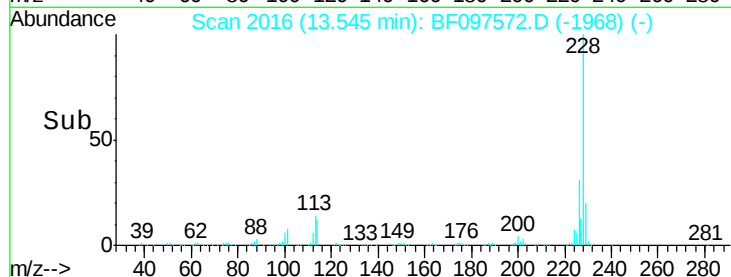
229 19.5 15.8 23.6



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: 26.01 ng

RT: 13.52 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097572.D

Acq: 10 Aug 2017 21:51

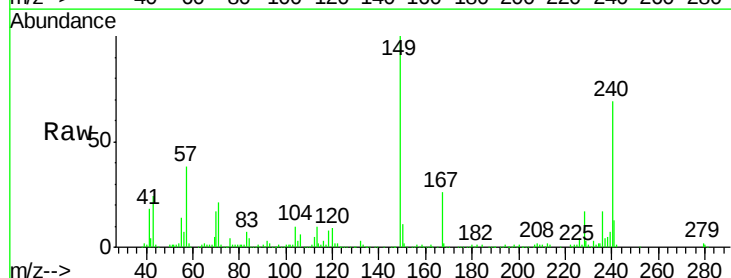
Tgt Ion:149 Resp: 216916

Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

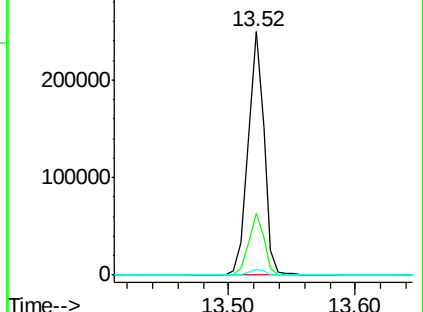
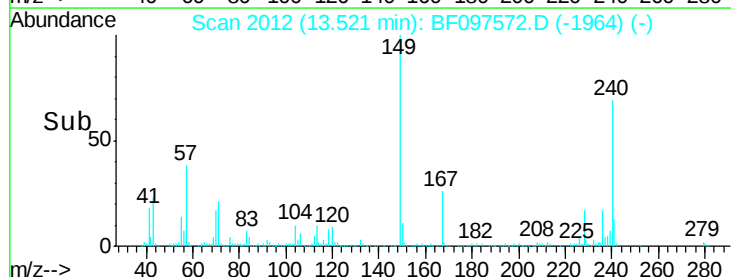
279 2.3 1.9 2.9

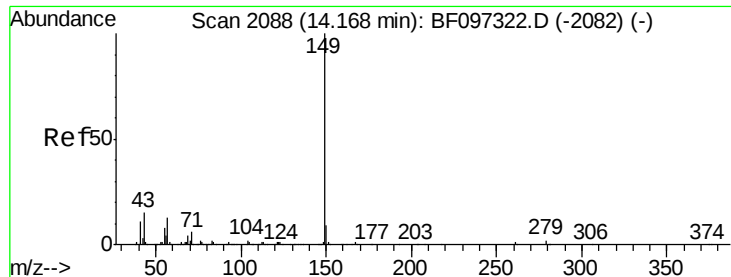


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

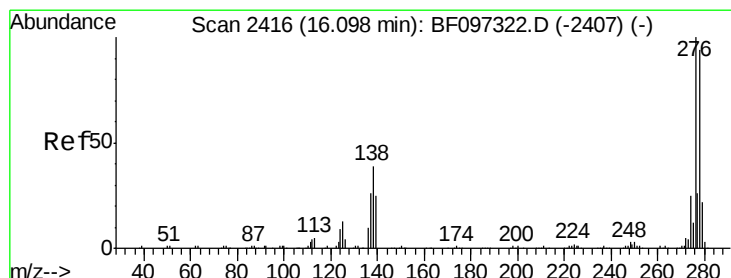
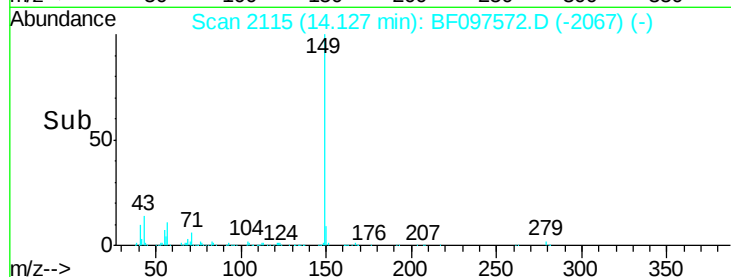
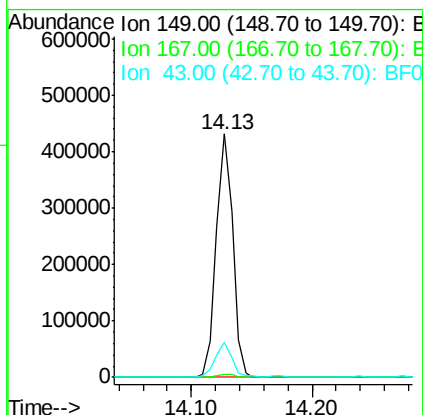
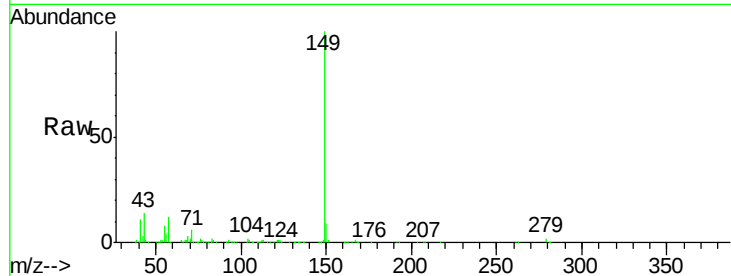




#84  
Di-n-octyl phthalate  
Concen: 26.41 ng  
RT: 14.13 min Scan# 2115  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

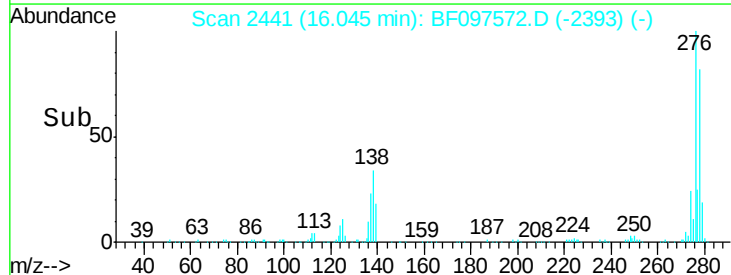
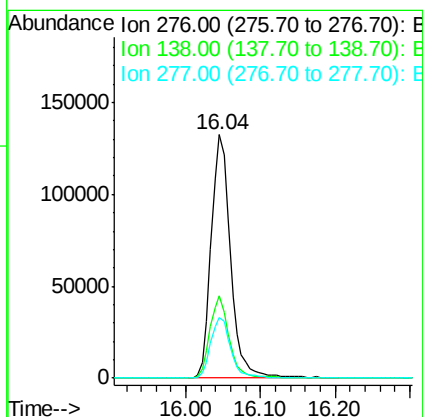
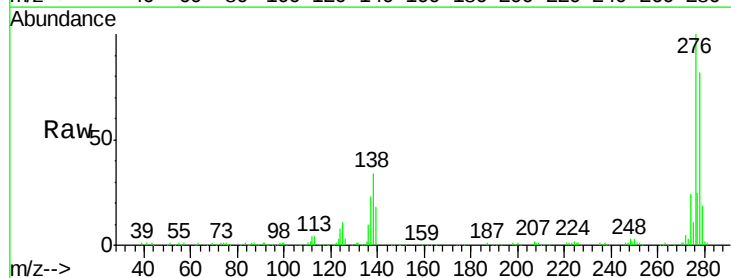
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

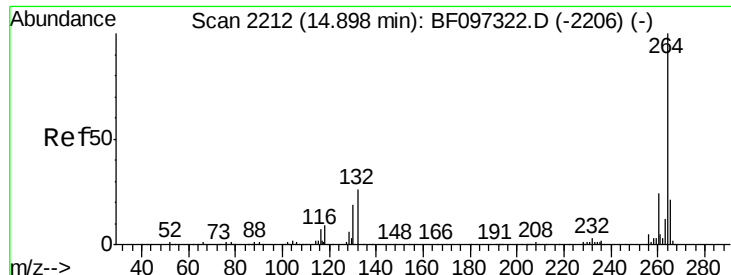
Tot Ion:149 Resp: 404275  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 13.6 8.5 12.7#



#85  
Indeno(1,2,3-cd)pyrene  
Concen: 28.75 ng  
RT: 16.04 min Scan# 2441  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:276 Resp: 238910  
Ion Ratio Lower Upper  
276 100  
138 33.5 27.8 41.6  
277 25.5 20.2 30.4

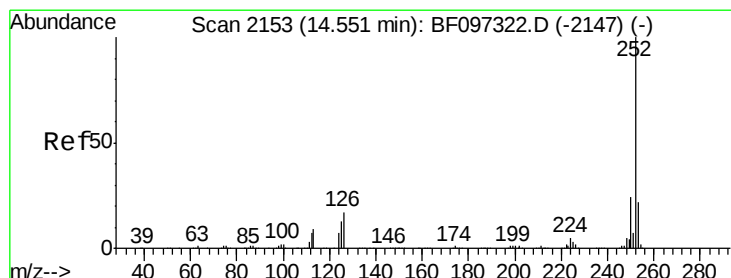
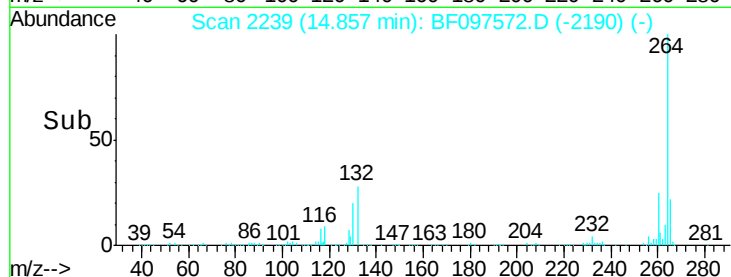
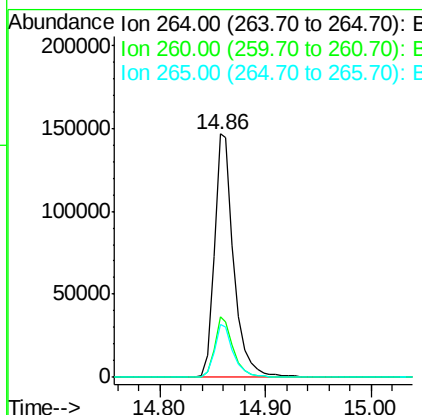
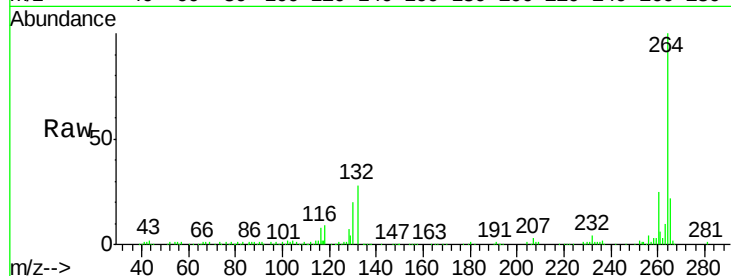




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.86 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

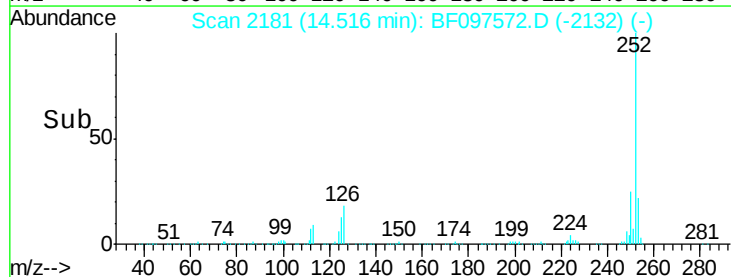
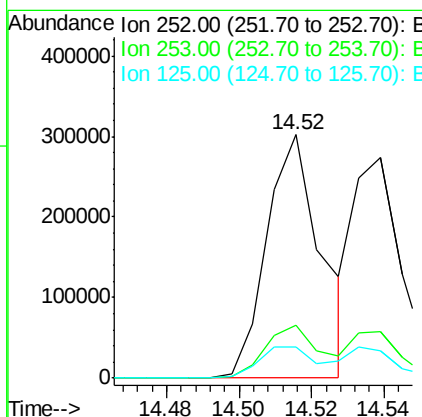
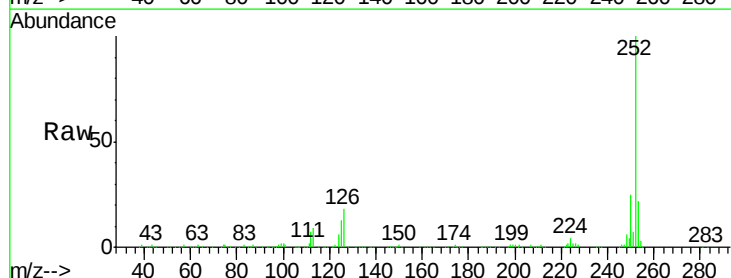
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

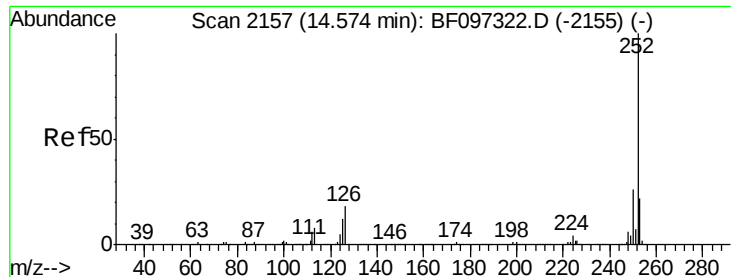
Tot Ion:264 Resp: 188563  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.5 29.3  
265 21.7 17.2 25.8



#87  
Benzo(b)fluoranthene  
Concen: 27.86 ng  
RT: 14.52 min Scan# 2181  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:252 Resp: 315738  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.1 27.1  
125 12.9 9.8 14.8

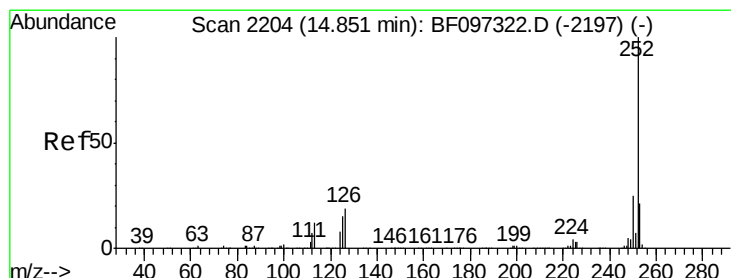
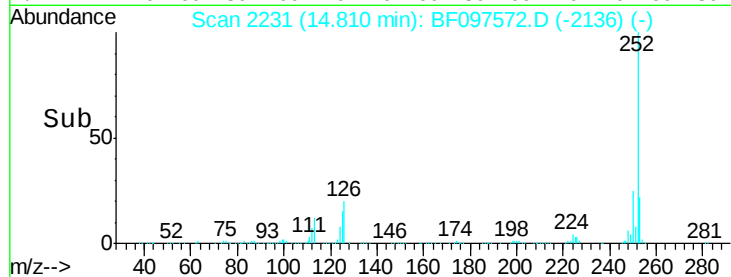
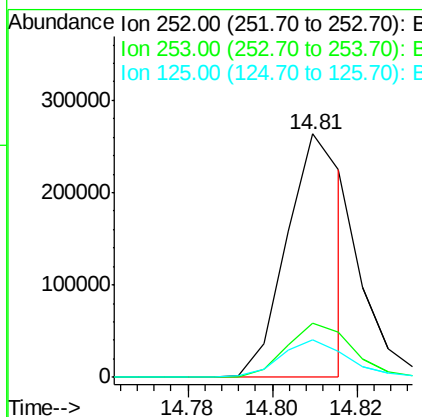
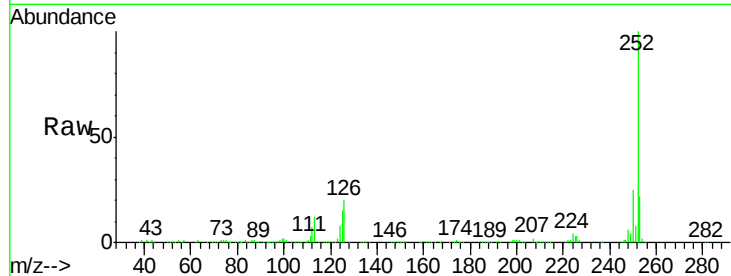




#88  
Benzo(k)fluoranthene  
Concen: 22.42 ng  
RT: 14.81 min Scan# 2231  
Delta R.T. 0.26 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

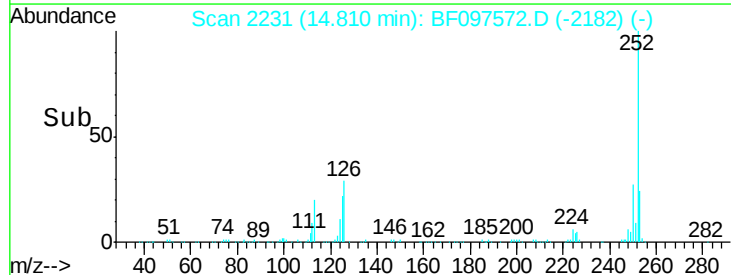
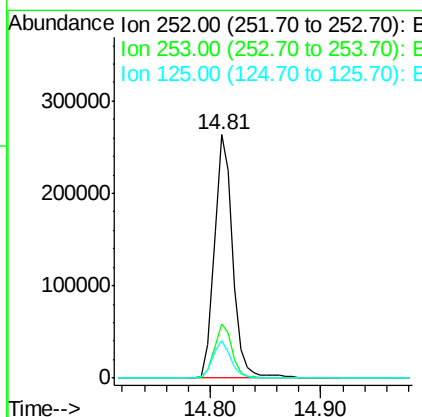
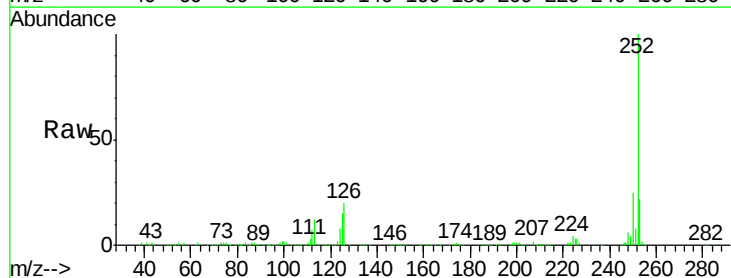
Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

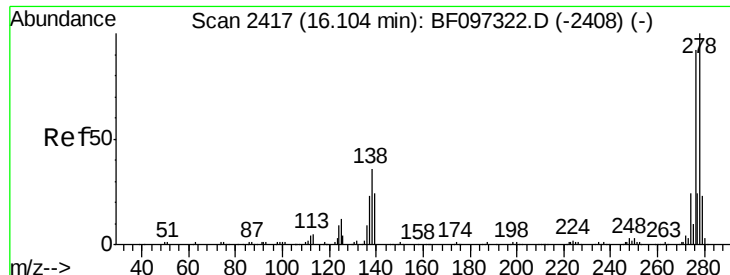
Tot Ion:252 Resp: 242165  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.4 27.6  
125 15.3 13.1 19.7



#89  
Benzo(a)pyrene  
Concen: 29.03 ng  
RT: 14.81 min Scan# 2231  
Delta R.T. -0.01 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:252 Resp: 301163  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 15.3 11.0 16.4



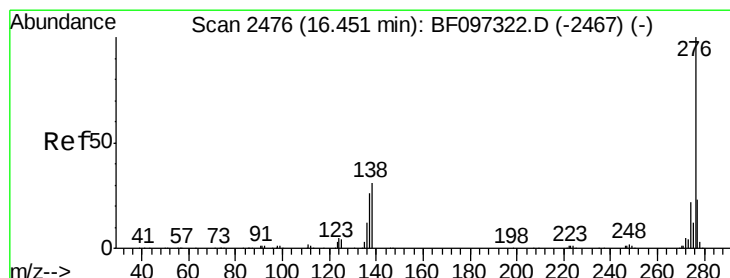
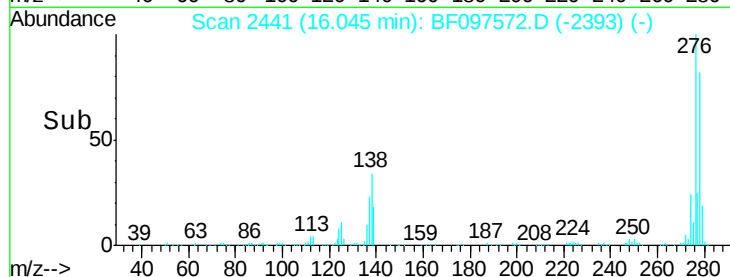
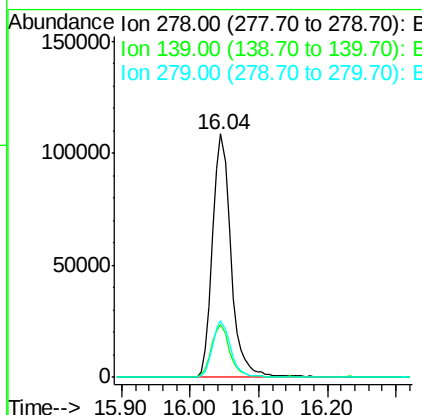
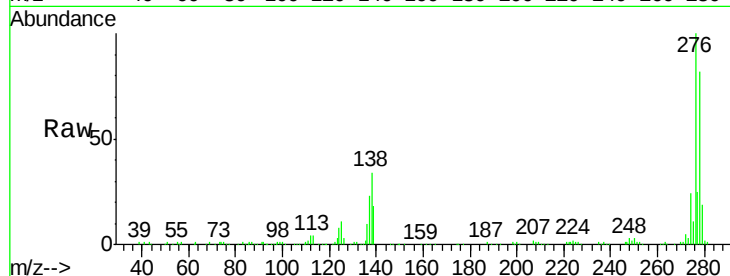


#90  
Dibenzo(a,h)anthracene  
Concen: 23.92 ng  
RT: 16.04 min Scan# 2441  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
TRAP-ROCK-FINESMSD

Tot Ion:278 Resp: 203487  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 21.7  | 16.6  | 24.8  |
| 279 | 23.5  | 19.3  | 28.9  |



#91  
Benzo(g,h,i)perylene  
Concen: 21.88 ng  
RT: 16.39 min Scan# 2500  
Delta R.T. -0.02 min  
Lab File: BF097572.D  
Acq: 10 Aug 2017 21:51

Tgt Ion:276 Resp: 195225  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 22.4  | 18.6  | 28.0  |
| 138 | 29.2  | 25.4  | 38.0  |

