

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\  
 Data File : BF092194.D  
 Acq On : 10 Jan 2017 20:49  
 Operator : UM/SJ  
 Sample : I1079-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

Quant Time: Jan 11 00:54:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 15:43:51 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.63  | 152  | 160713   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.92  | 136  | 699405   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.67  | 164  | 371652   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.16 | 188  | 622829   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.79 | 240  | 346799   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.16 | 264  | 335363   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.25  | 112 | 1365176 | 141.84 | ng | 0.01  |
| 7) Phenol-d6                | 6.31  | 99  | 1631506 | 138.84 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.20  | 82  | 1136463 | 90.35  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.47 | 330 | 419065  | 136.25 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 9.01  | 172 | 1991923 | 114.26 | ng | 0.00  |
| 78) Terphenyl-d14           | 12.74 | 244 | 1843620 | 128.93 | ng | 0.00  |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.13 | 88  | 197118  | 41.60 | ng | 97     |
| 3) Pyridine                    | 2.78 | 79  | 271503  | 16.42 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 2.72 | 42  | 284911  | 45.67 | ng | 95     |
| 6) Aniline                     | 6.30 | 93  | 411019  | 26.93 | ng | # 55   |
| 8) 2-Chlorophenol              | 6.42 | 128 | 560080  | 51.16 | ng | 97     |
| 9) Benzaldehyde                | 6.17 | 77  | 41722   | 4.56  | ng | 92     |
| 10) Phenol                     | 6.32 | 94  | 853606  | 63.74 | ng | # 74   |
| 11) bis(2-Chloroethyl)ether    | 6.38 | 93  | 571639  | 53.65 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 6.57 | 146 | 567671  | 48.57 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.64 | 146 | 550645  | 46.29 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.80 | 146 | 541756  | 52.48 | ng | 98     |
| 15) Benzyl Alcohol             | 6.79 | 79  | 450735  | 49.36 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.92 | 45  | 780061  | 49.16 | ng | 53     |
| 17) 2-Methylphenol             | 6.93 | 107 | 456916  | 51.89 | ng | # 91   |
| 18) Hexachloroethane           | 7.13 | 117 | 214594  | 48.66 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 7.06 | 70  | 444230  | 56.82 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.08 | 107 | 658804  | 62.73 | ng | # 70   |
| 22) Acetophenone               | 7.05 | 105 | 852683  | 49.43 | ng | # 92   |
| 24) Nitrobenzene               | 7.22 | 77  | 677102  | 50.54 | ng | 96     |
| 25) Isophorone                 | 7.46 | 82  | 1156498 | 49.84 | ng | 96     |
| 26) 2-Nitrophenol              | 7.54 | 139 | 337308  | 51.06 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 7.60 | 122 | 517920  | 47.27 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.68 | 93  | 736003  | 52.30 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.80 | 162 | 476465  | 51.35 | ng | 91     |
| 30) 1,2,4-Trichlorobenzene     | 7.86 | 180 | 494150  | 48.60 | ng | 96     |
| 31) Naphthalene                | 7.94 | 128 | 1674454 | 52.31 | ng | 99     |
| 32) Benzoic acid               | 7.76 | 122 | 218258  | 26.86 | ng | 99     |
| 33) 4-Chloroaniline            | 8.00 | 127 | 292434  | 20.26 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.06 | 225 | 267867  | 49.91 | ng | 99     |
| 35) Caprolactam                | 8.39 | 113 | 160526m | 52.65 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.52 | 107 | 511876  | 47.94 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.63 | 142 | 1060785 | 65.07 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.80 | 216 | 434595  | 46.28 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 8.79 | 237 | 316528  | 75.91 | ng | 97     |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\  
 Data File : BF092194.D  
 Acq On : 10 Jan 2017 20:49  
 Operator : UM/SJ  
 Sample : I1079-01MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

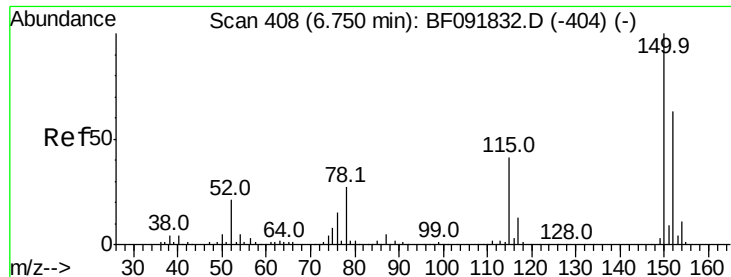
Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

Quant Time: Jan 11 00:54:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 06 15:43:51 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 8.93  | 196  | 321189   | 48.91  | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 8.98  | 196  | 317187   | 46.93  | nq #  | 85       |
| 45) 1,1'-Biphenyl              | 9.10  | 154  | 1248060  | 49.04  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 9.12  | 162  | 944035   | 46.84  | nq    | 95       |
| 47) 2-Nitroaniline             | 9.22  | 65   | 350788   | 48.89  | nq    | 98       |
| 48) Acenaphthylene             | 9.53  | 152  | 1462964  | 47.20  | nq    | 99       |
| 49) Dimethylphthalate          | 9.42  | 163  | 1462037  | 61.51  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.48  | 165  | 254733   | 48.96  | nq #  | 77       |
| 51) Acenaphthene               | 9.70  | 154  | 968658   | 46.10  | nq    | 98       |
| 52) 3-Nitroaniline             | 9.65  | 138  | 204698   | 31.79  | nq #  | 73       |
| 53) 2,4-Dinitrophenol          | 9.76  | 184  | 217174   | 75.02  | nq #  | 67       |
| 54) Dibenzofuran               | 9.88  | 168  | 1381201  | 48.67  | nq    | 97       |
| 55) 4-Nitrophenol              | 9.85  | 139  | 457247m  | 104.59 | nq    |          |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 379781   | 58.16  | nq #  | 81       |
| 57) Fluorene                   | 10.22 | 166  | 1073010  | 51.98  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.01 | 232  | 285591   | 53.43  | nq    | 97       |
| 59) Diethylphthalate           | 10.12 | 149  | 1266117  | 54.85  | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.22 | 204  | 502660   | 55.61  | nq #  | 87       |
| 61) 4-Nitroaniline             | 10.26 | 138  | 309492   | 46.38  | nq    | 97       |
| 62) Azobenzene                 | 10.38 | 77   | 1440620  | 56.68  | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.30 | 198  | 190001   | 50.45  | nq    | 75       |
| 65) n-Nitrosodiphenylamine     | 10.34 | 169  | 1059456  | 57.33  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.70 | 248  | 305630   | 47.17  | nq    | 91       |
| 67) Hexachlorobenzene          | 10.77 | 284  | 319354   | 46.12  | nq #  | 82       |
| 68) Atrazine                   | 10.88 | 200  | 348013   | 58.38  | nq    | 97       |
| 69) Pentachlorophenol          | 10.97 | 266  | 300239   | 88.36  | nq    | 98       |
| 70) Phenanthrene               | 11.18 | 178  | 1985396  | 58.79  | nq    | 99       |
| 71) Anthracene                 | 11.24 | 178  | 1829295  | Below  | Cal   | 99       |
| 72) Carbazole                  | 11.40 | 167  | 1635657  | Below  | Cal   | 99       |
| 73) Di-n-butylphthalate        | 11.73 | 149  | 1880080  | 60.13  | nq    | 99       |
| 74) Fluoranthene               | 12.37 | 202  | 2130479  | 74.40  | nq    | 95       |
| 76) Benzidine                  | 12.49 | 184  | 118759   | 9.96   | nq    | 96       |
| 77) Pyrene                     | 12.60 | 202  | 2041281  | 80.22  | nq    | 99       |
| 79) Butylbenzylphthalate       | 13.21 | 149  | 722253   | 62.41  | nq    | 96       |
| 80) Benzo(a)anthracene         | 13.77 | 228  | 1218991  | 62.27  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.75 | 252  | 310015   | 41.76  | nq #  | 94       |
| 82) Chrysene                   | 13.82 | 228  | 1243507  | 63.33  | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149  | 1036331  | 76.04  | nq #  | 96       |
| 84) Di-n-octyl phthalate       | 14.39 | 149  | 1591784  | 63.05  | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.45 | 276  | 1014847  | 59.66  | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.79 | 252  | 1341220m | 64.24  | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.81 | 252  | 737685m  | 41.43  | nq    |          |
| 89) Benzo(a)pyrene             | 15.11 | 252  | 981168   | 52.95  | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 16.46 | 278  | 811928   | 53.30  | nq #  | 96       |
| 91) Benzo(g,h,i)perylene       | 16.83 | 276  | 898117   | 56.70  | nq    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

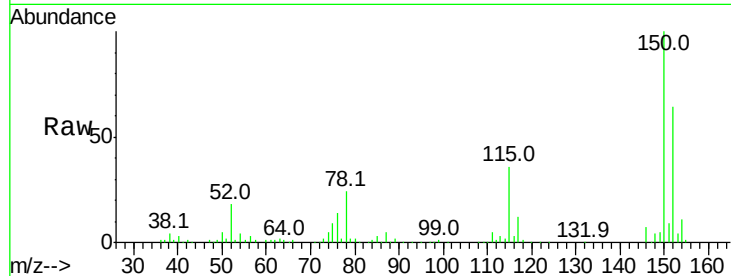
Tot Ion:152 Resp: 160713

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

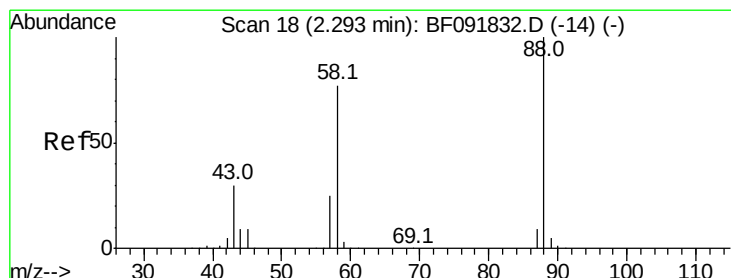
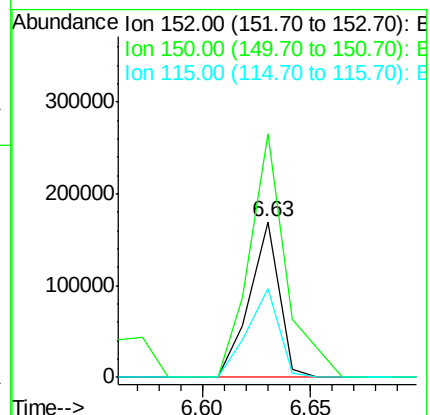
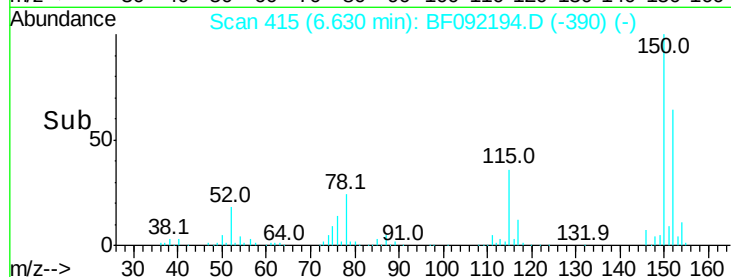
115 56.9 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.60 ng

RT: 2.13 min Scan# 21

Delta R.T. 0.05 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

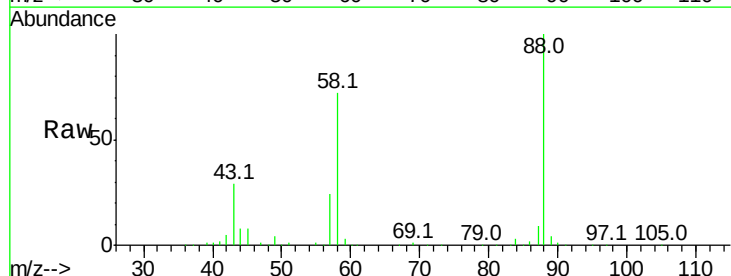
Tgt Ion: 88 Resp: 197118

Ion Ratio Lower Upper

88 100

58 75.9 57.8 86.8

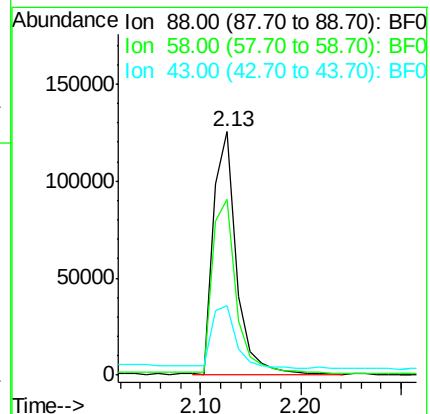
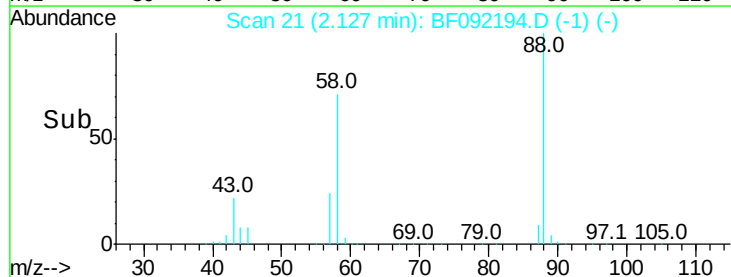
43 27.4 22.3 33.5

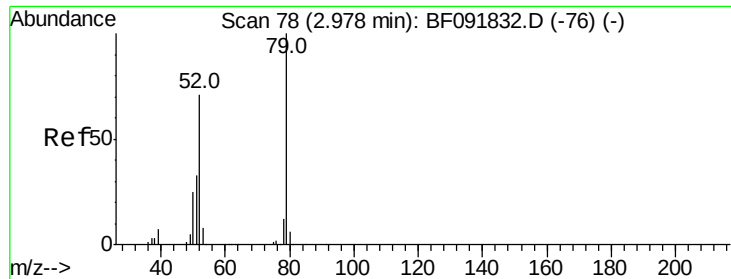


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 16.42 ng

RT: 2.78 min Scan# 78

Delta R.T. 0.05 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

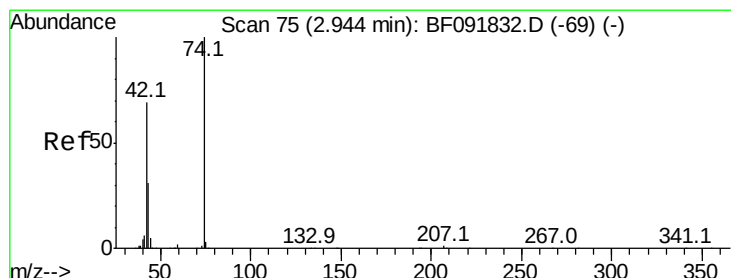
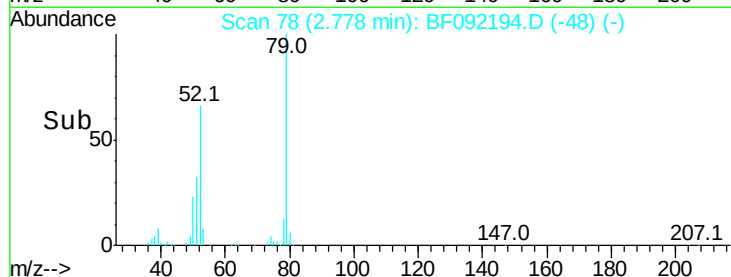
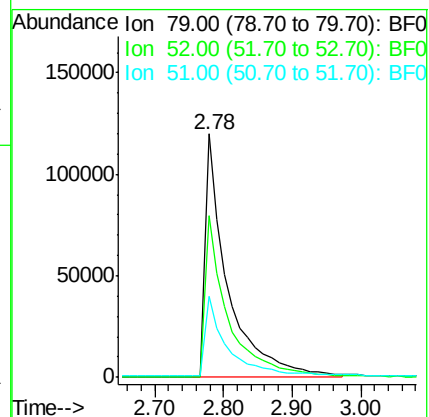
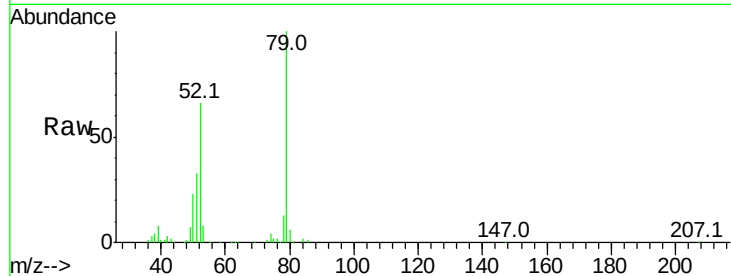
Tot Ion: 79 Resp: 271503

Ion Ratio Lower Upper

79 100

52 66.2 57.1 85.7

51 33.2 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 45.67 ng

RT: 2.72 min Scan# 73

Delta R.T. 0.03 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

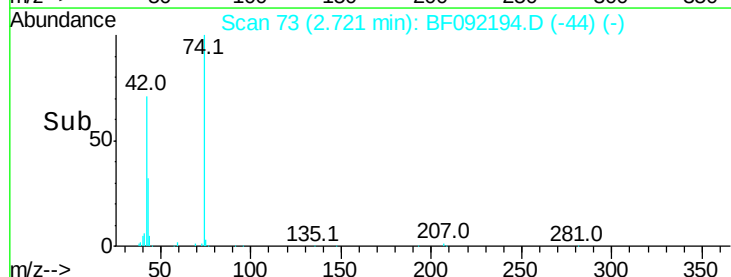
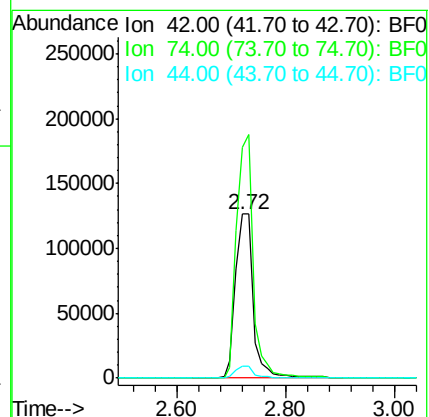
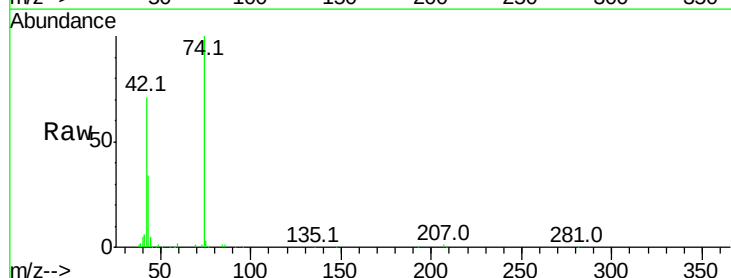
Tgt Ion: 42 Resp: 284911

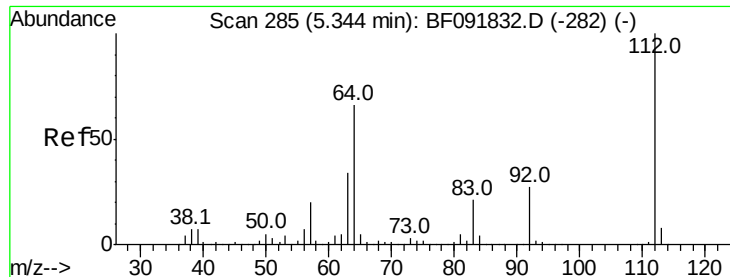
Ion Ratio Lower Upper

42 100

74 140.4 117.0 175.4

44 7.2 5.5 8.3





#5

2-Fluorophenol

Concen: 141.84 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

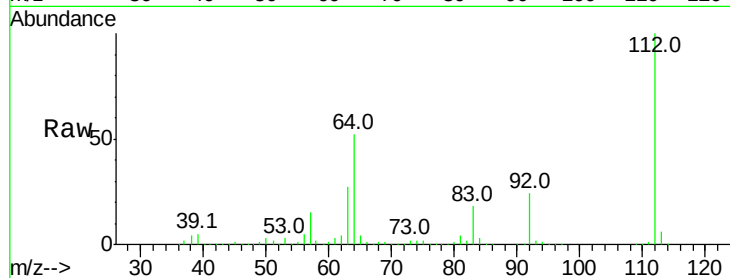
Tot Ion:112 Resp: 1365176

Ion Ratio Lower Upper

112 100

64 51.6 46.1 69.1

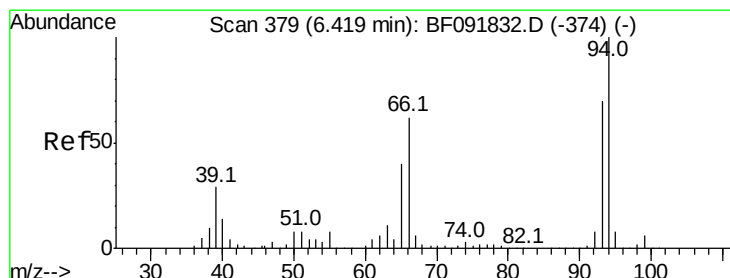
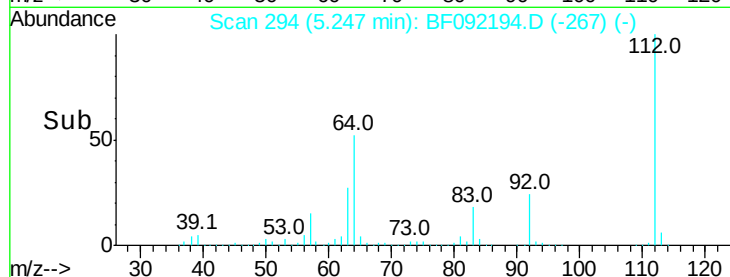
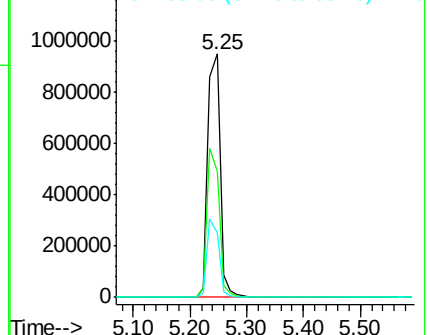
63 26.5 23.8 35.6



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: 26.93 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

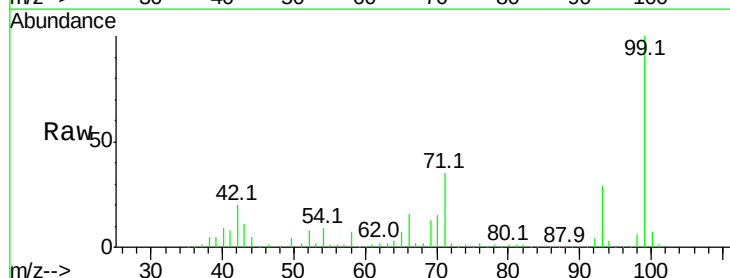
Tgt Ion: 93 Resp: 411019

Ion Ratio Lower Upper

93 100

66 55.3 76.2 114.2#

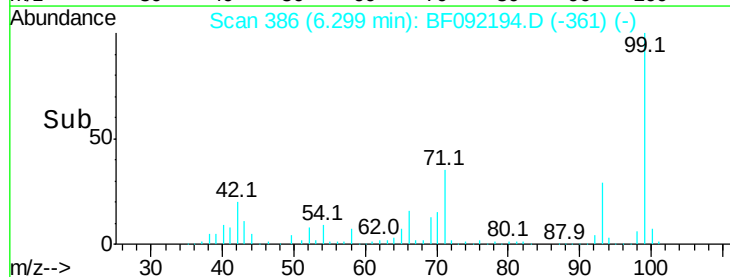
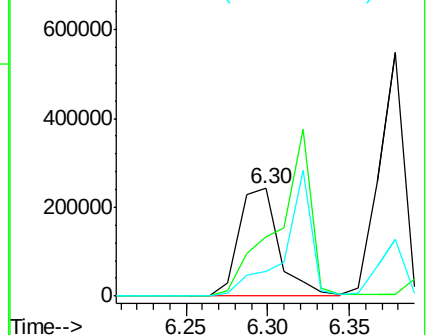
65 23.3 49.3 73.9#

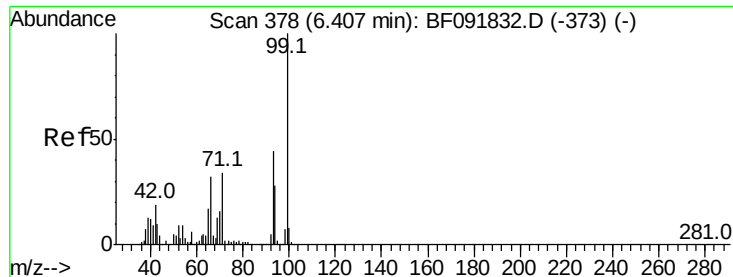


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.84 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

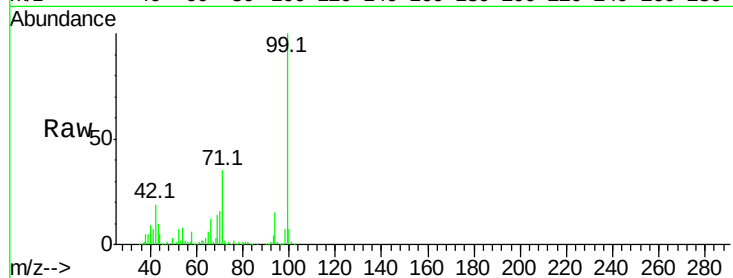
Tot Ion: 99 Resp: 1631506

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

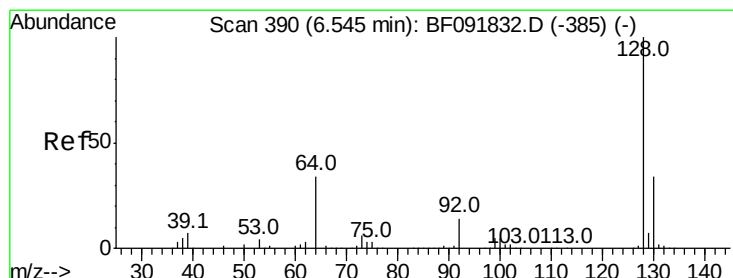
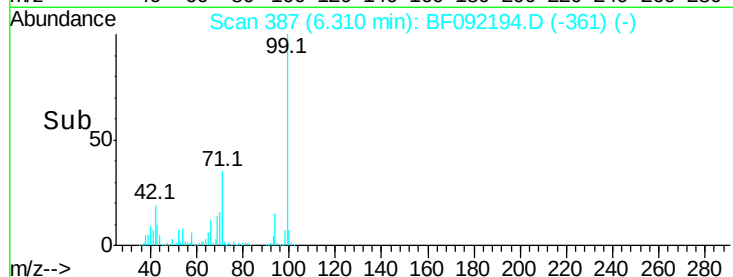
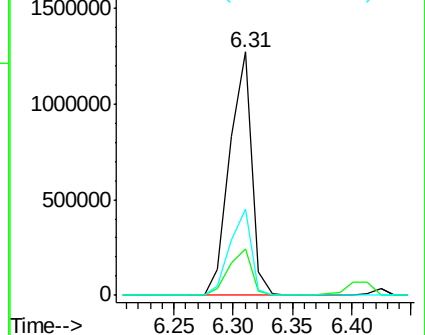
71 35.3 27.5 41.3



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: 51.16 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

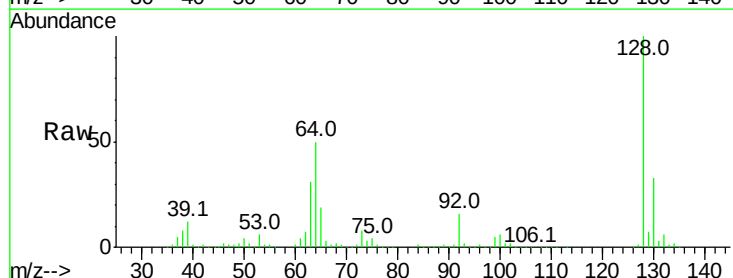
Tgt Ion: 128 Resp: 560080

Ion Ratio Lower Upper

128 100

130 33.4 12.3 52.3

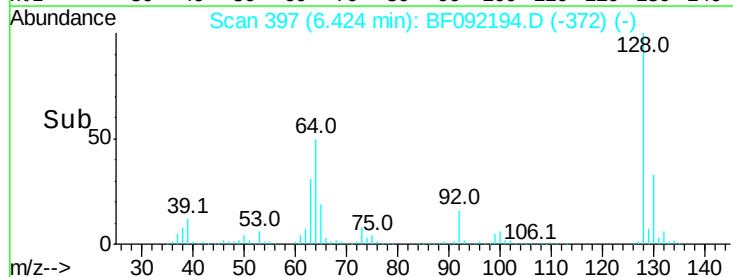
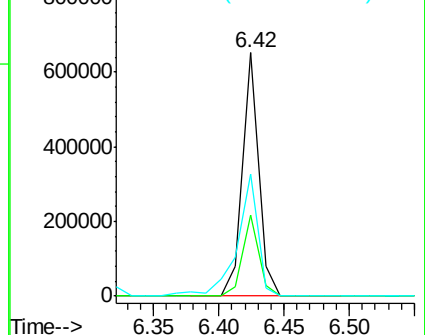
64 49.9 32.2 72.2



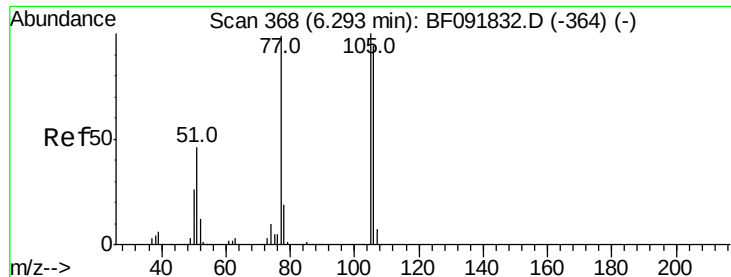
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 4.56 ng

RT: 6.17 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

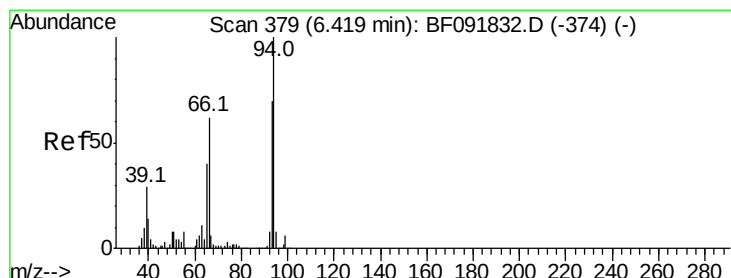
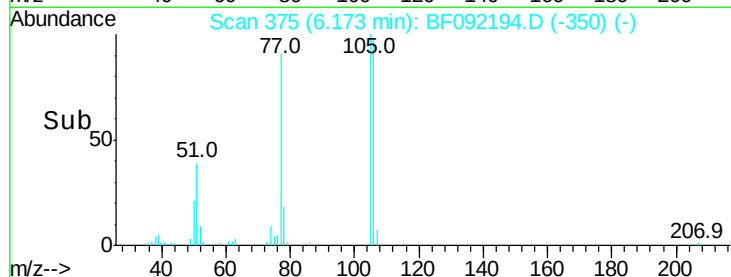
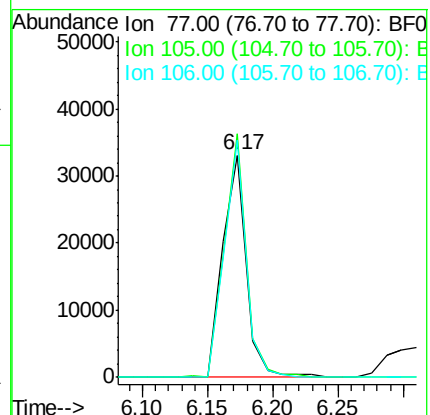
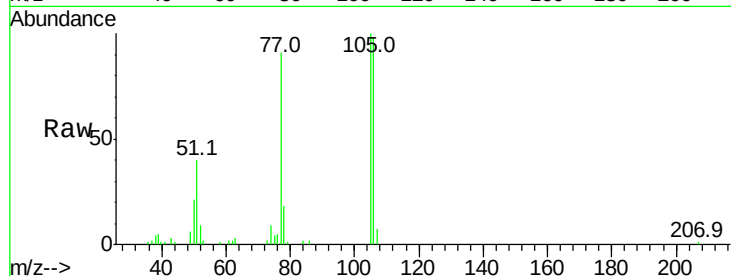
Tot Ion: 77 Resp: 41722

Ion Ratio Lower Upper

77 100

105 109.6 83.9 123.9

106 107.1 77.6 117.6



#10

Phenol

Concen: 63.74 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

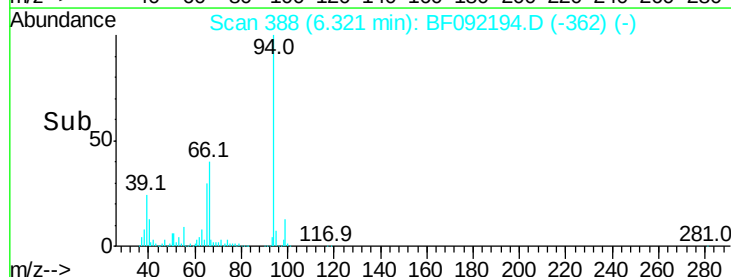
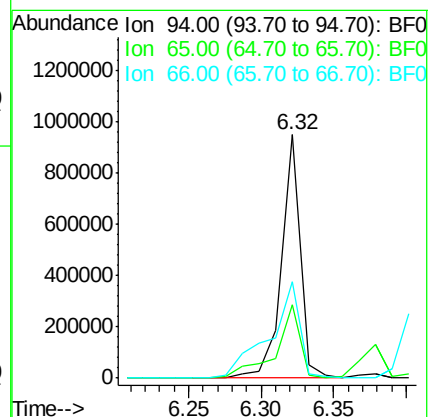
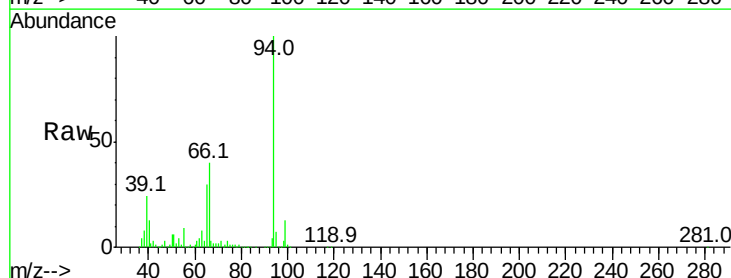
Tgt Ion: 94 Resp: 853606

Ion Ratio Lower Upper

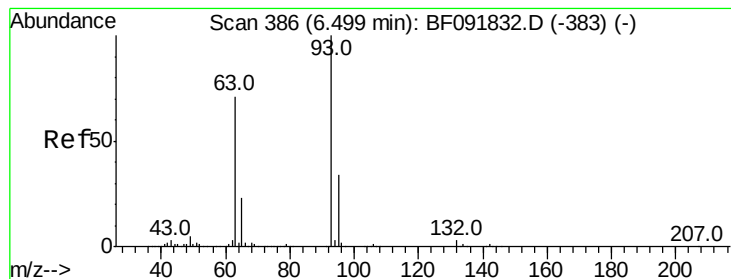
94 100

65 30.0 21.4 61.4

66 39.7 44.0 84.0#







#11

bis(2-Chloroethyl)ether

Concen: 53.65 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

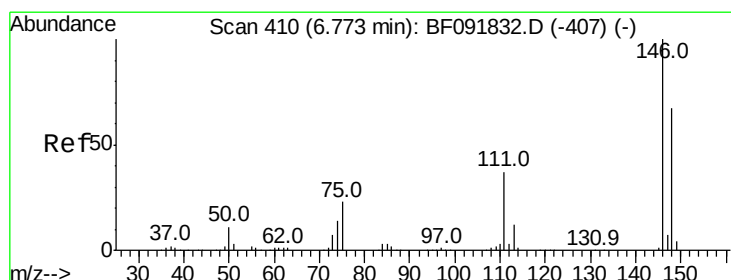
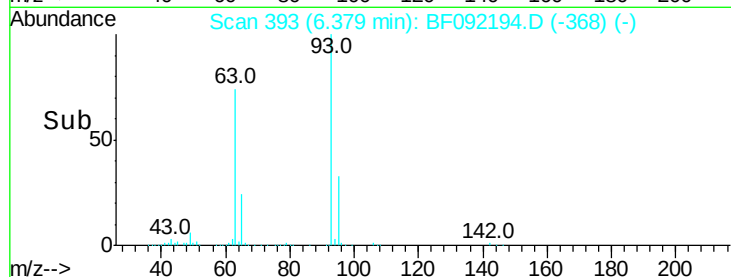
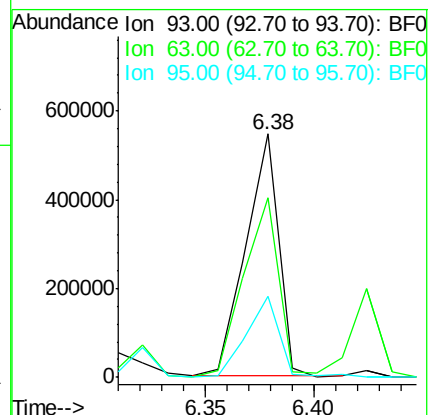
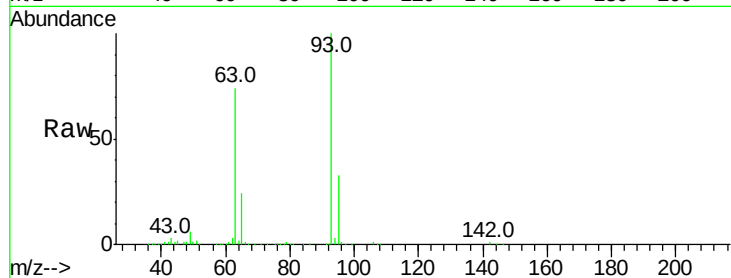
Tot Ion: 93 Resp: 571639

Ion Ratio Lower Upper

93 100

63 73.9 60.4 100.4

95 33.3 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 48.57 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

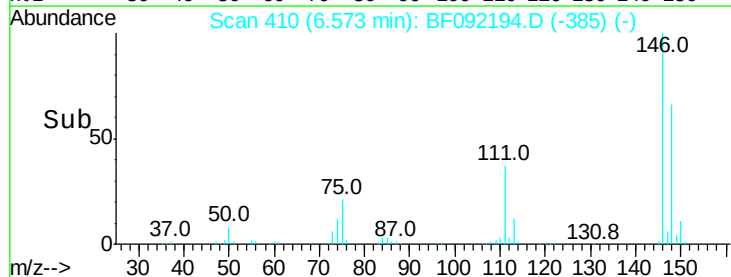
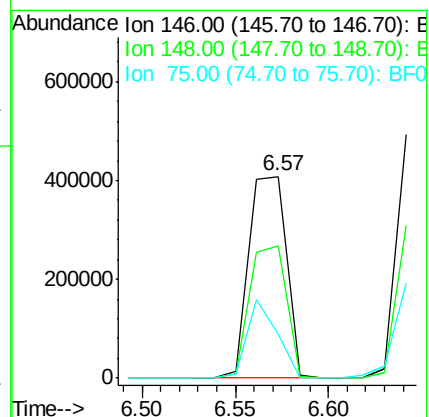
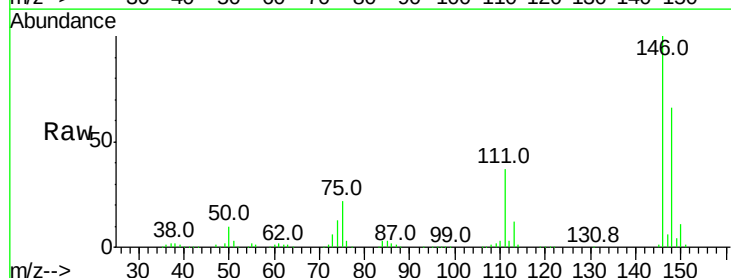
Tgt Ion: 146 Resp: 567671

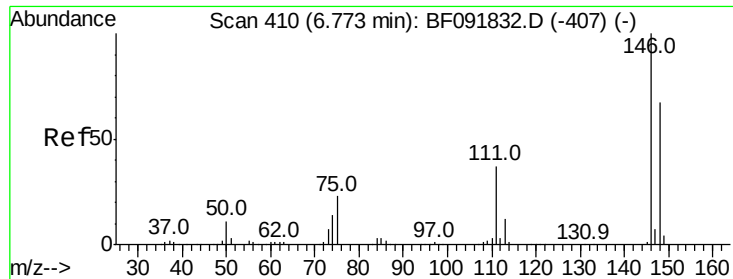
Ion Ratio Lower Upper

146 100

148 65.8 53.4 80.0

75 21.8 18.5 27.7

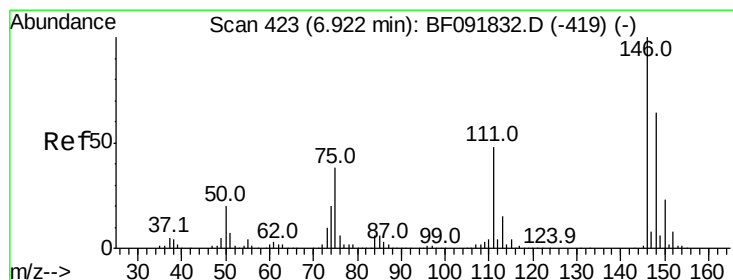
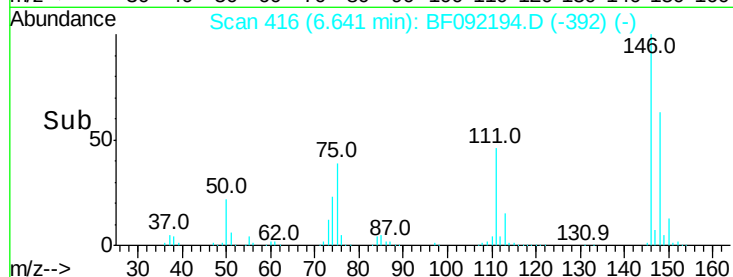
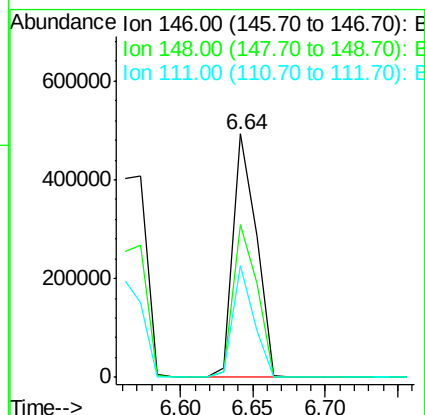
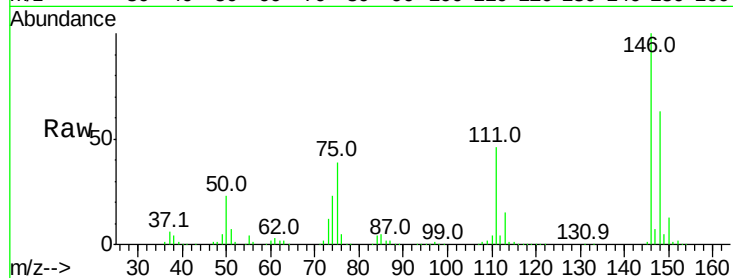




#13  
1,4-Dichlorobenzene  
Concen: 46.29 ng  
RT: 6.64 min Scan# 416  
Delta R.T. -0.02 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

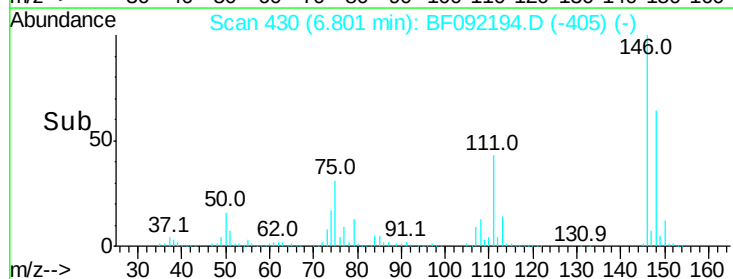
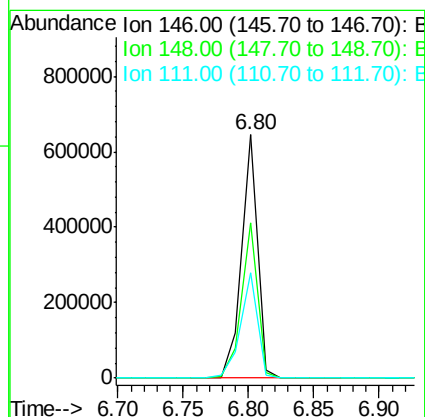
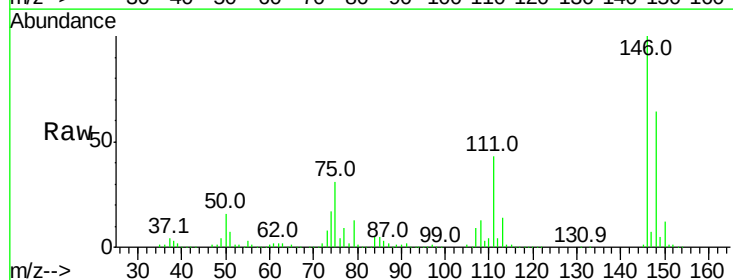
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

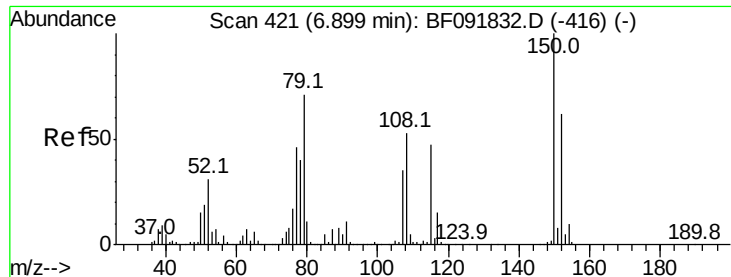
Tot Ion:146 Resp: 550645  
Ion Ratio Lower Upper  
146 100  
148 62.8 50.6 76.0  
111 46.0 36.2 54.4



#14  
1,2-Dichlorobenzene  
Concen: 52.48 ng  
RT: 6.80 min Scan# 430  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:146 Resp: 541756  
Ion Ratio Lower Upper  
146 100  
148 63.9 52.2 78.2  
111 43.0 36.2 54.2





#15

Benzyl Alcohol

Concen: 49.36 ng

RT: 6.79 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

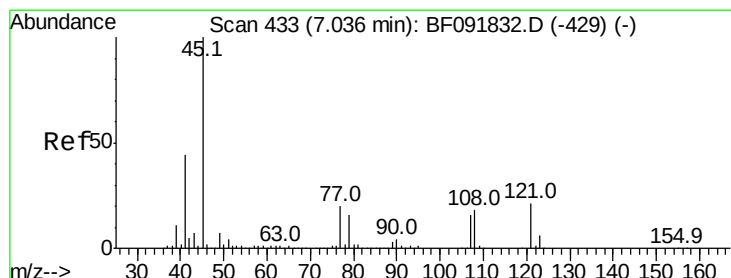
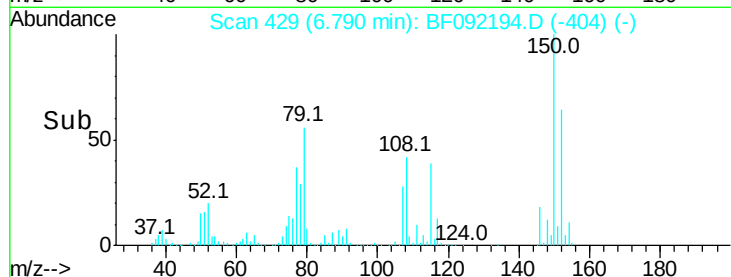
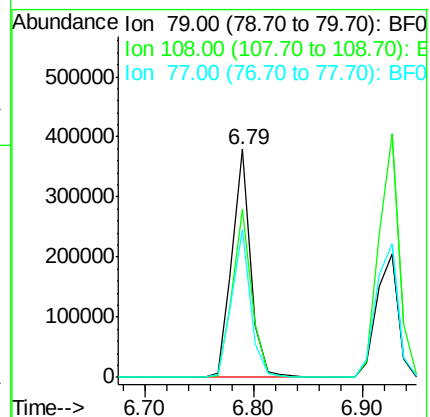
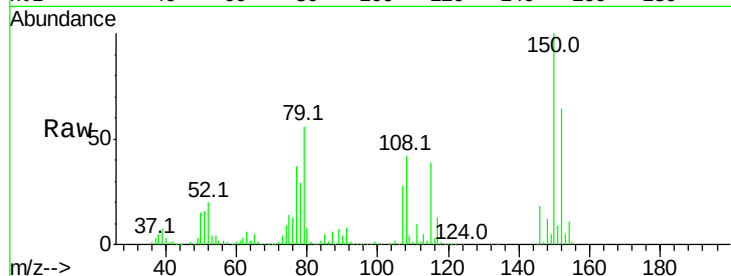
Tot Ion: 79 Resp: 450735

Ion Ratio Lower Upper

79 100

108 74.0 61.4 92.0

77 64.8 50.9 76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.16 ng

RT: 6.92 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

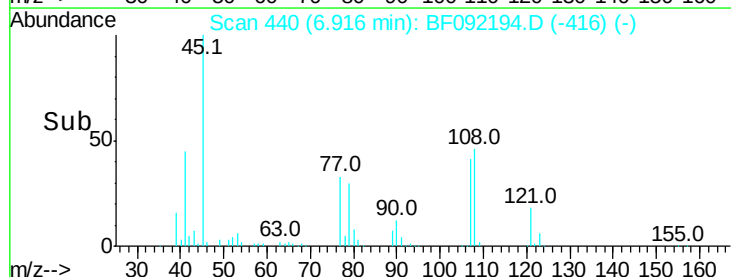
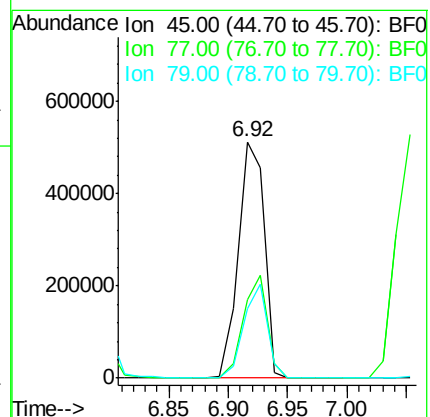
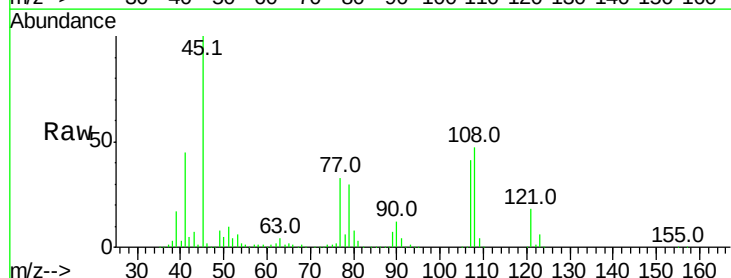
Tgt Ion: 45 Resp: 780061

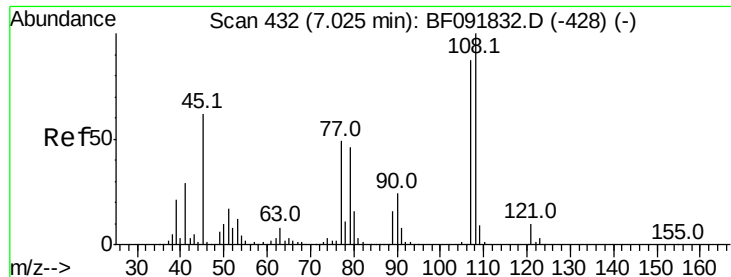
Ion Ratio Lower Upper

45 100

77 33.4 0.0 34.6

79 29.7 0.0 31.2





#17

2-Methylphenol

Concen: 51.89 ng

RT: 6.93 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

Tot Ion:107 Resp: 456916

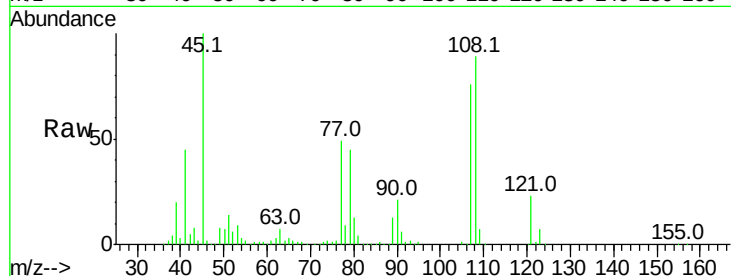
Ion Ratio Lower Upper

107 100

108 116.8 93.0 139.6

77 63.9 39.8 59.8#

79 59.0 38.0 57.0#

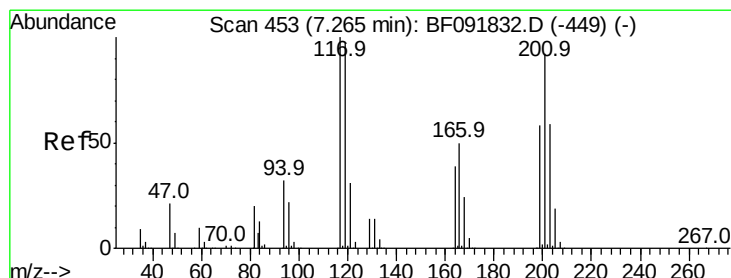
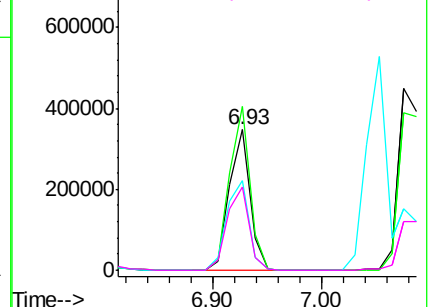
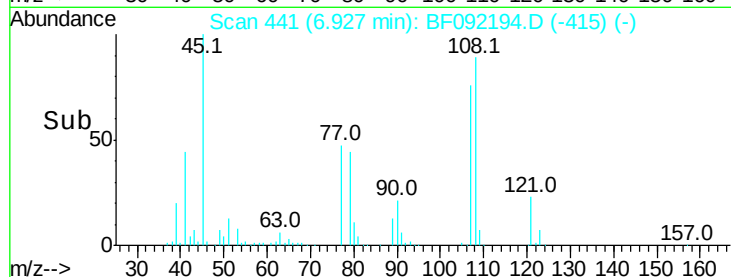


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 48.66 ng

RT: 7.13 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

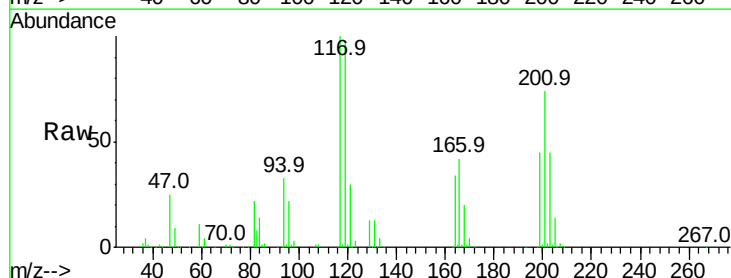
Tgt Ion:117 Resp: 214594

Ion Ratio Lower Upper

117 100

119 96.7 78.1 117.1

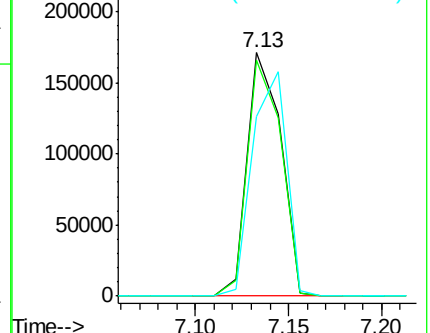
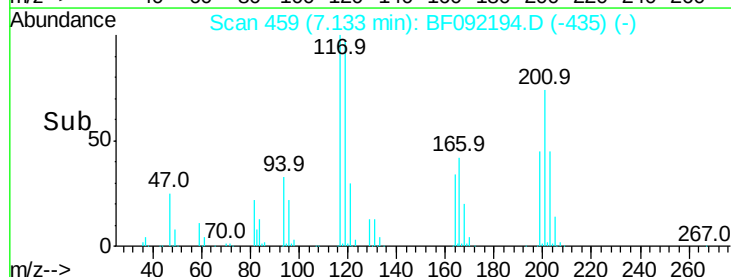
201 73.6 78.6 117.8#

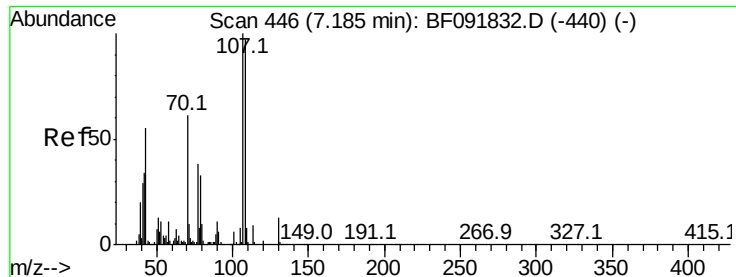


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 56.82 ng

RT: 7.06 min Scan# 453

Delta R.T. -0.01 min

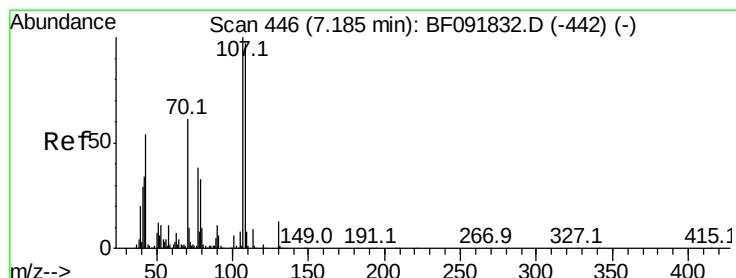
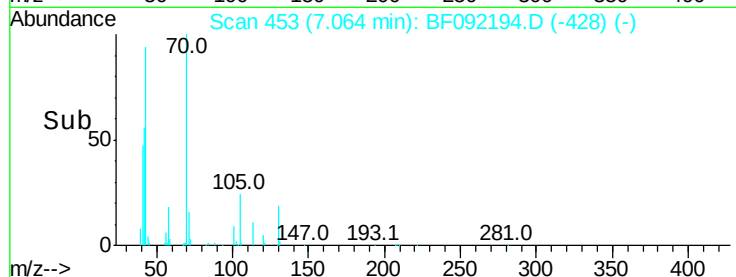
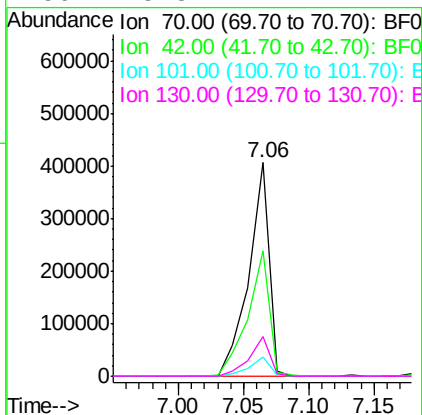
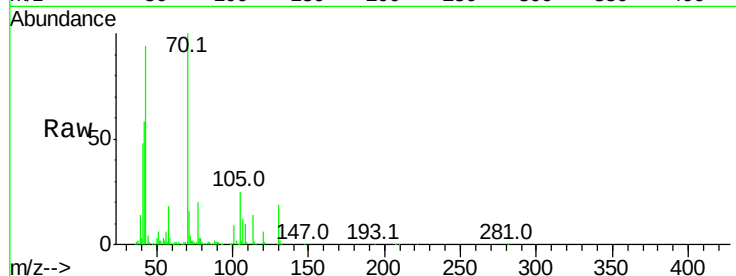
Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion: 70 Resp: 444230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 58.5  | 49.4  | 74.0  |
| 101 | 9.0   | 7.4   | 11.2  |
| 130 | 18.8  | 14.2  | 21.4  |



#20

3+4-Methylphenols

Concen: 62.73 ng

RT: 7.08 min Scan# 454

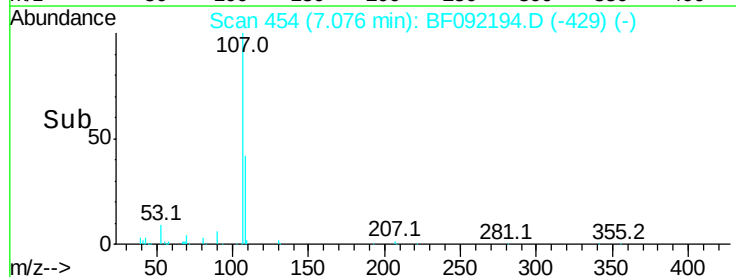
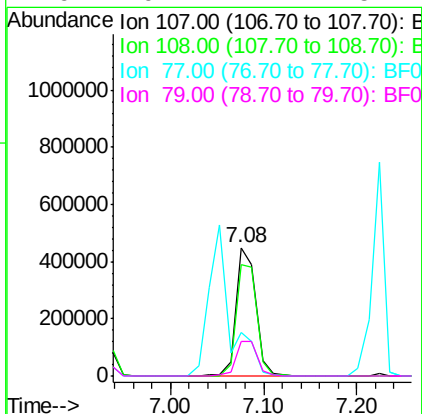
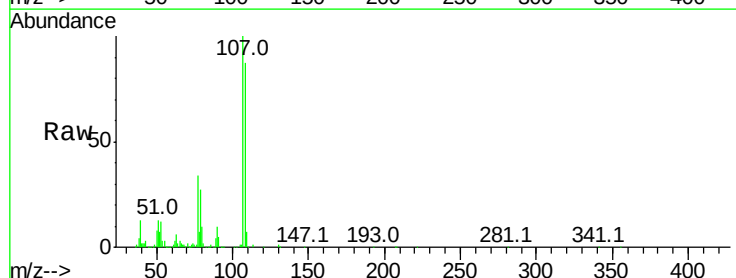
Delta R.T. -0.01 min

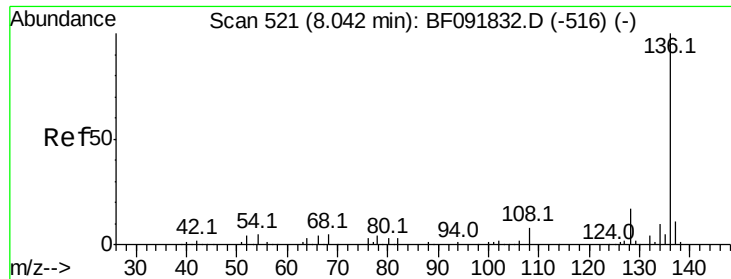
Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Tgt Ion: 107 Resp: 658804

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 87.0  | 73.0  | 113.0 |
| 77  | 33.6  | 71.3  | 111.3 |
| 79  | 26.7  | 11.1  | 51.1  |

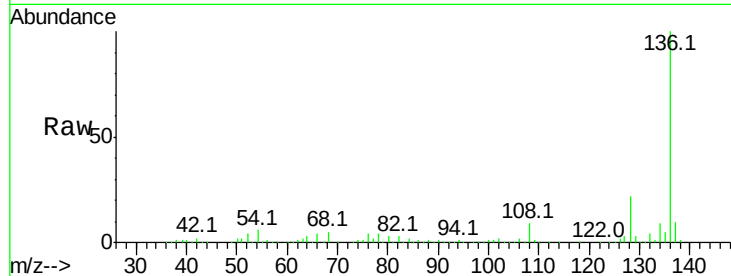




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.92 min Scan# 528  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 699405      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.5  | 8.4 12.6    |
| 54          | 6.2   | 4.5 6.7     |
| 68          | 4.8   | 3.6 5.4     |

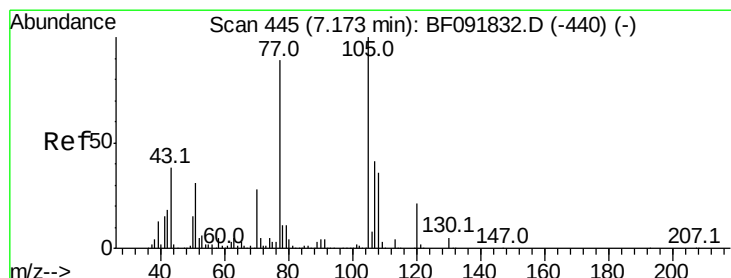
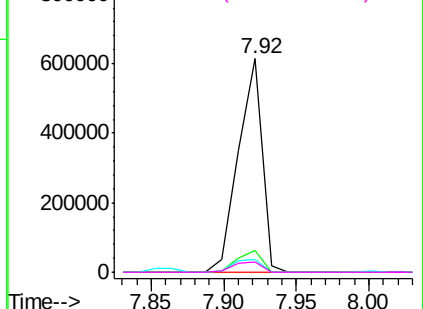
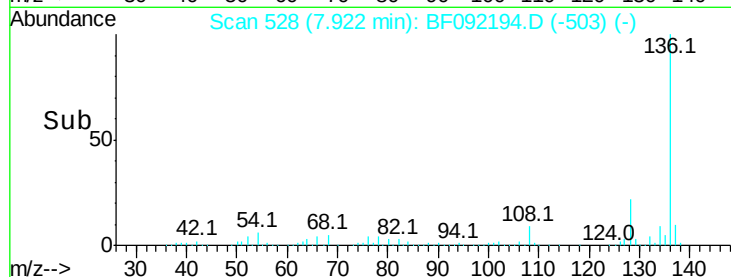


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

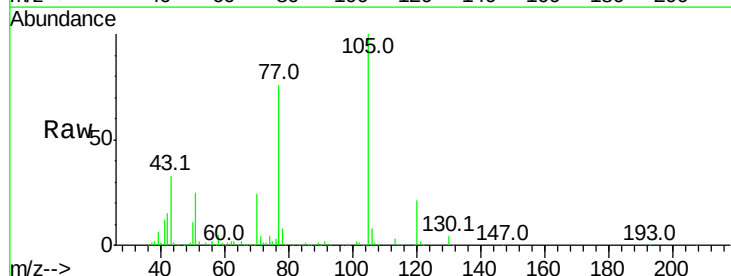
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22  
Acetophenone  
Concen: 49.43 ng  
RT: 7.05 min Scan# 452  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 852683      |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 4.1   | 3.2 4.8     |
| 51          | 24.5  | 26.2 39.4   |
| 120         | 20.7  | 16.6 24.8   |

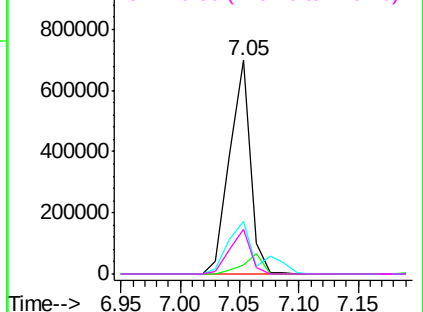
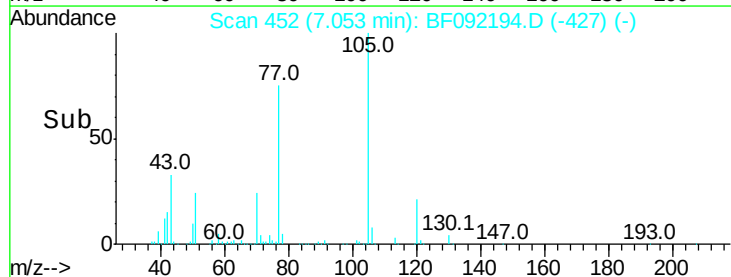


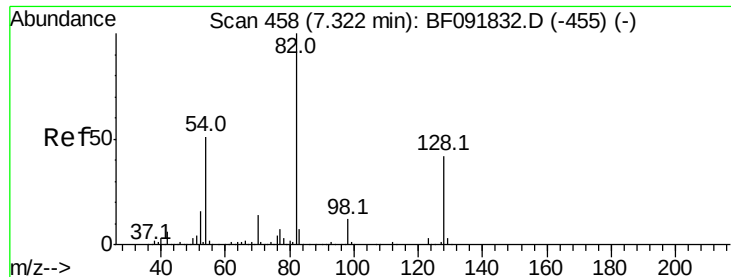
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

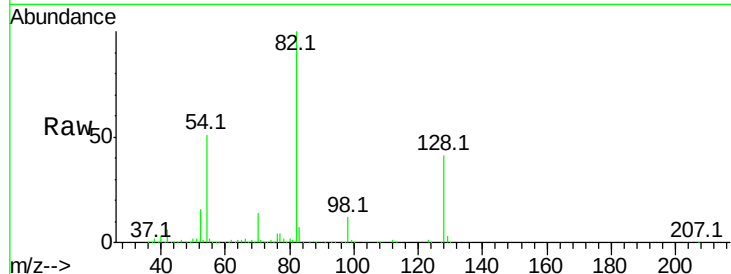




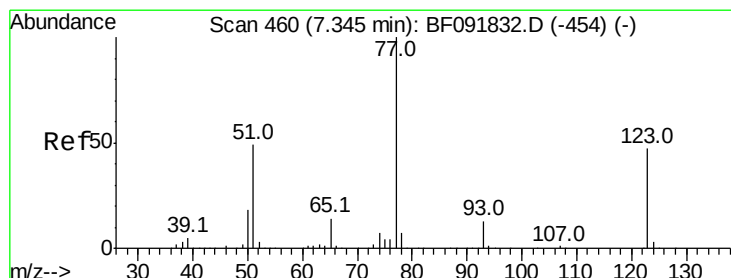
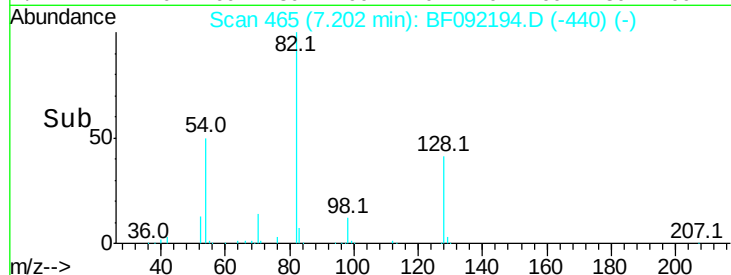
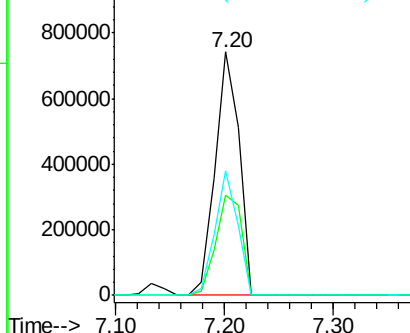
#23  
 Nitrobenzene-d5  
 Concen: 90.35 ng  
 RT: 7.20 min Scan# 465  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

Tot Ion: 82 Resp: 1136463  
 Ion Ratio Lower Upper  
 82 100  
 128 41.0 34.6 52.0  
 54 51.3 39.5 59.3

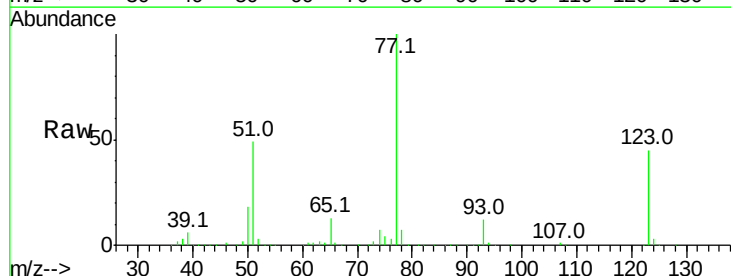


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

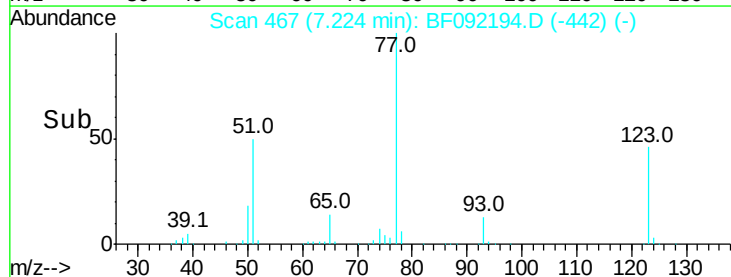
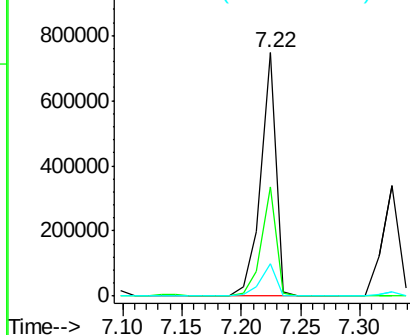


#24  
 Nitrobenzene  
 Concen: 50.54 ng  
 RT: 7.22 min Scan# 467  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

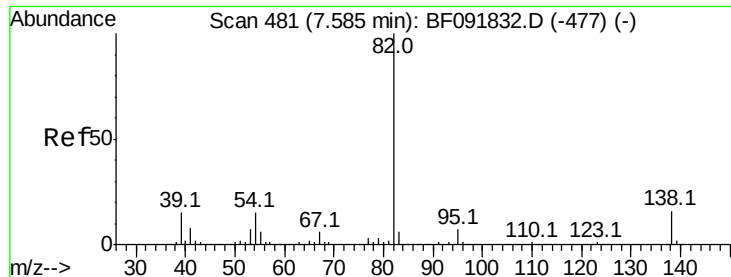
Tgt Ion: 77 Resp: 677102  
 Ion Ratio Lower Upper  
 77 100  
 123 44.6 33.0 49.4  
 65 13.5 11.2 16.8



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







#25

Isophorone

Concen: 49.84 ng

RT: 7.46 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

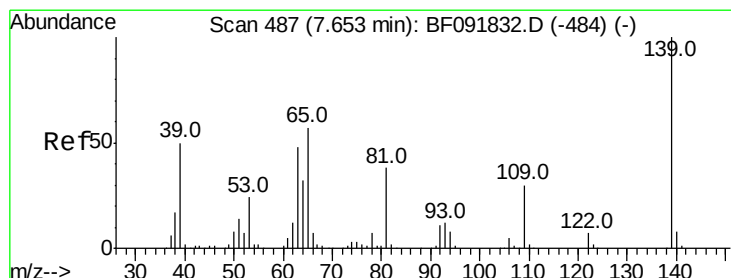
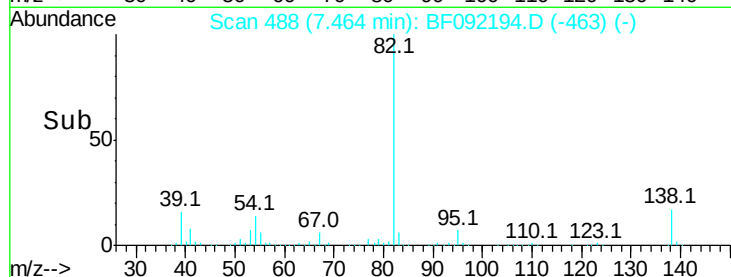
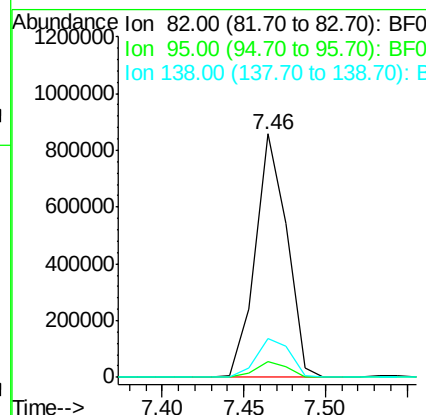
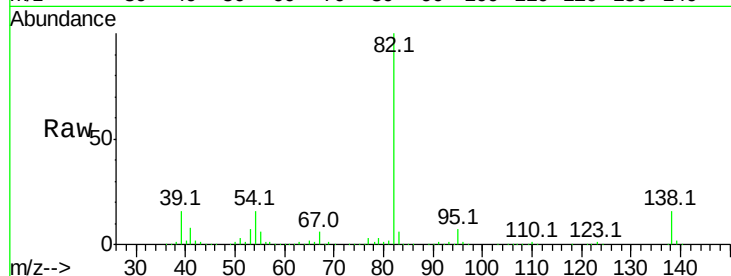
Tot Ion: 82 Resp: 1156498

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

138 15.9 14.6 22.0



#26

2-Nitrophenol

Concen: 51.06 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

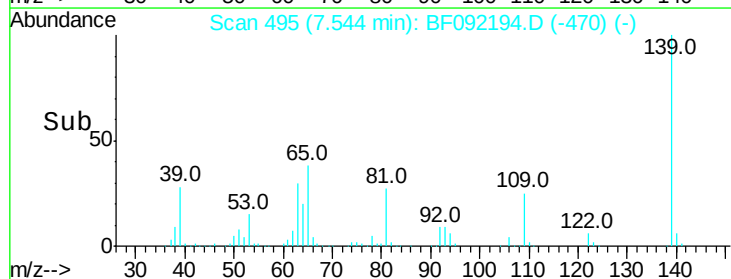
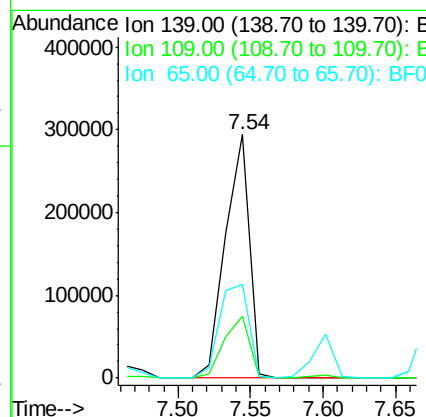
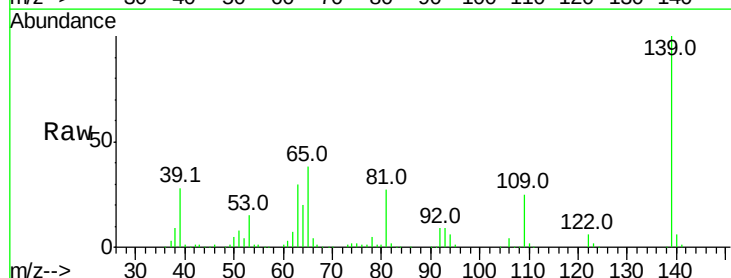
Tgt Ion:139 Resp: 337308

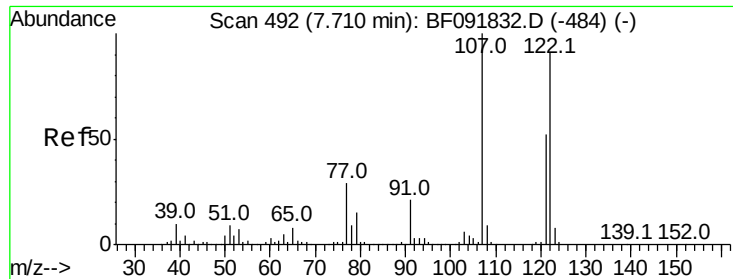
Ion Ratio Lower Upper

139 100

109 25.3 23.3 34.9

65 38.3 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 47.27 ng

RT: 7.60 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

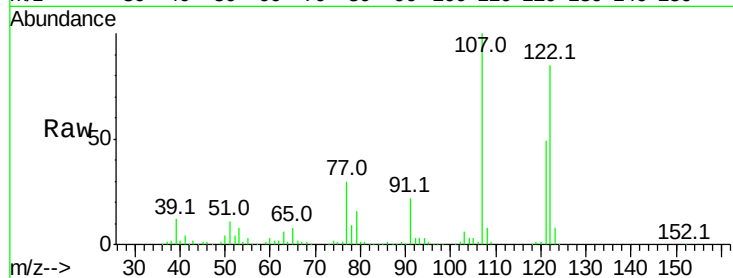
Tot Ion:122 Resp: 517920

Ion Ratio Lower Upper

122 100

107 117.5 94.1 141.1

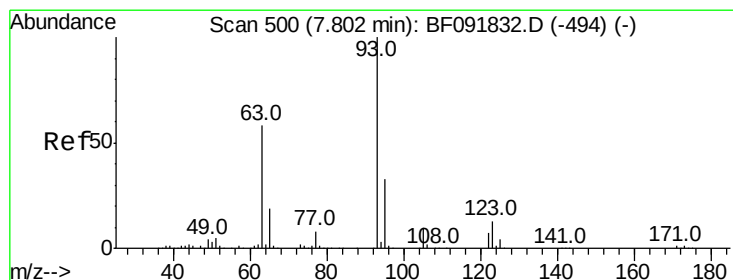
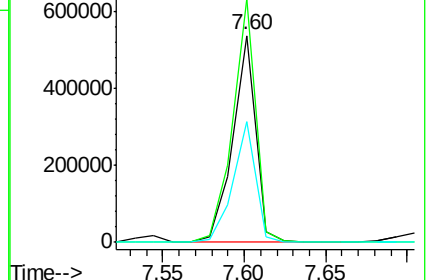
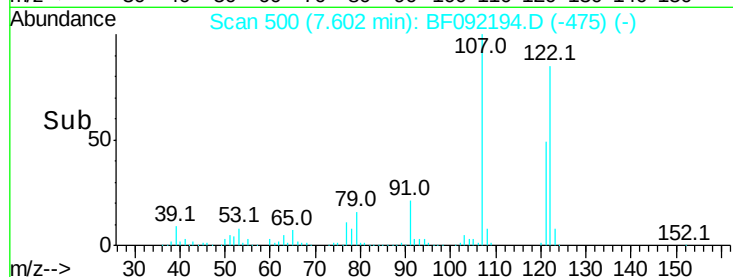
121 58.2 46.0 69.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 52.30 ng

RT: 7.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

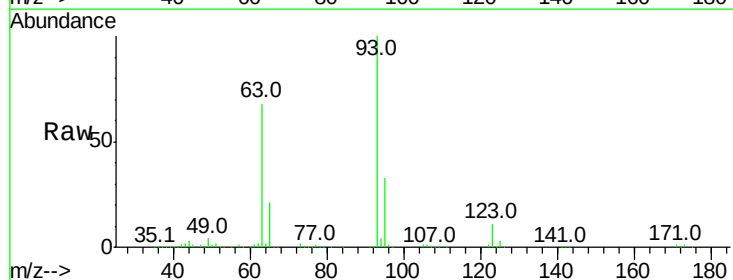
Tgt Ion: 93 Resp: 736003

Ion Ratio Lower Upper

93 100

95 33.3 26.5 39.7

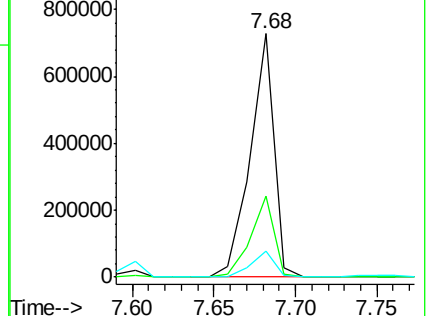
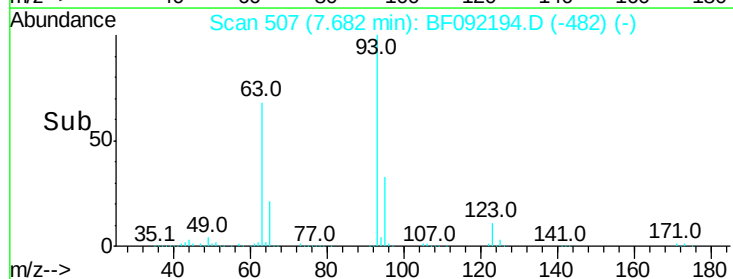
123 10.6 8.6 13.0

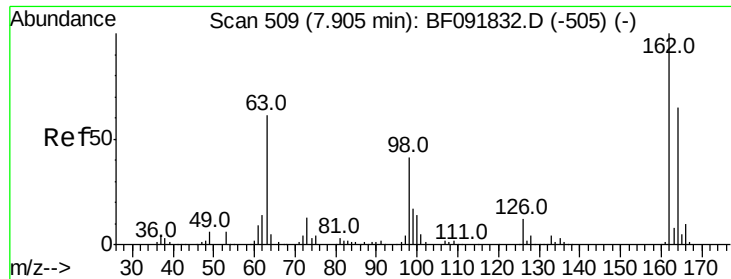


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

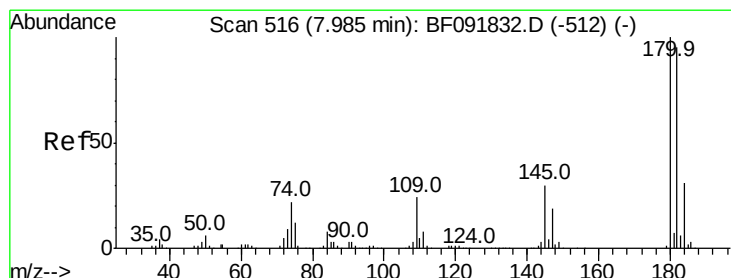
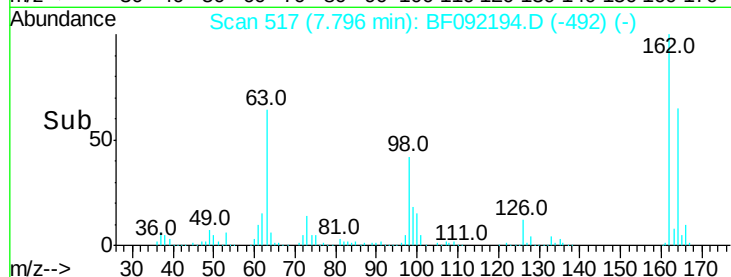
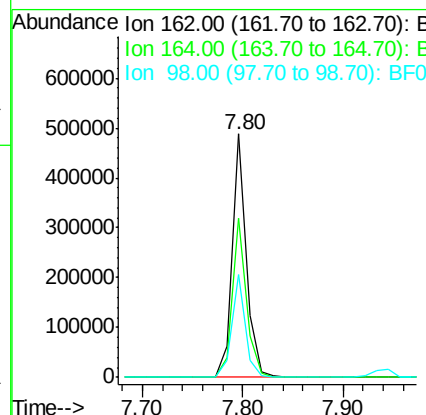
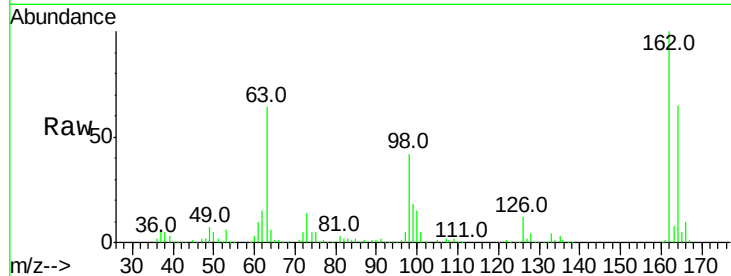




#29  
 2,4-Dichlorophenol  
 Concen: 51.35 ng  
 RT: 7.80 min Scan# 517  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

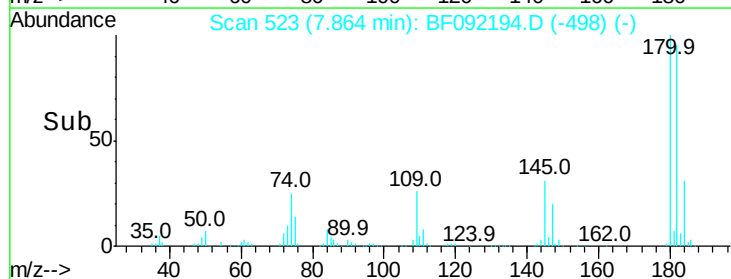
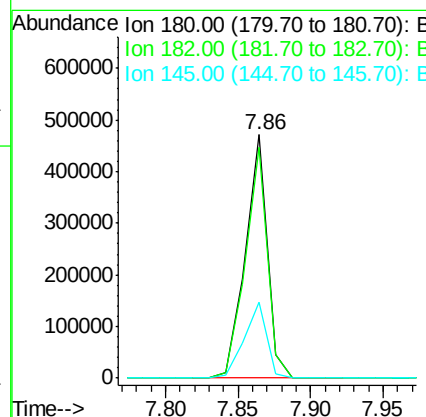
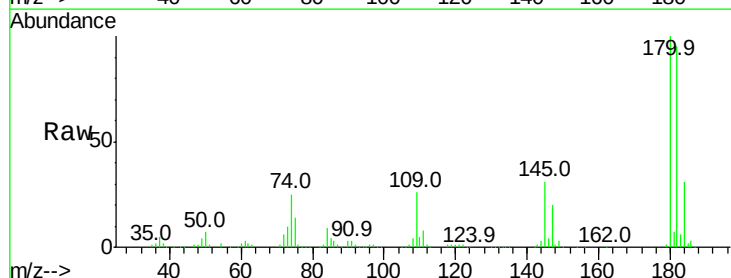
Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

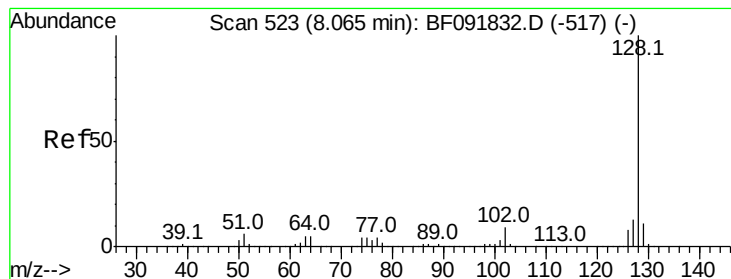
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.3  | 46.8  | 86.8  |
| 98      | 42.2  | 9.1   | 49.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.60 ng  
 RT: 7.86 min Scan# 523  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 78.2  | 117.4 |
| 145     | 31.0  | 21.6  | 32.4  |





#31

Naphthalene

Concen: 52.31 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

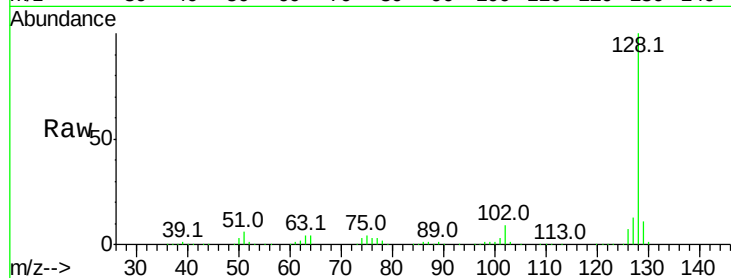
Tot Ion:128 Resp: 1674454

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

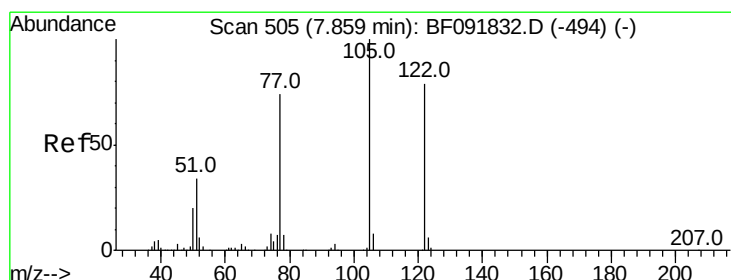
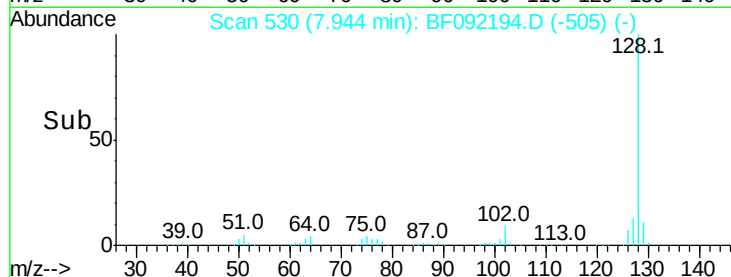
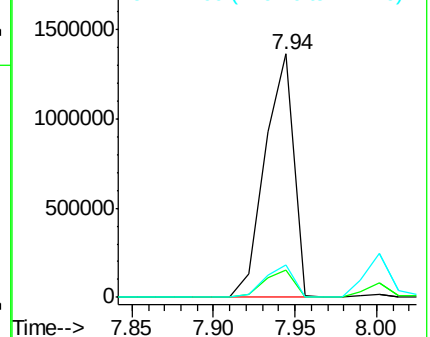
127 13.1 10.8 16.2



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: 26.86 ng

RT: 7.76 min Scan# 514

Delta R.T. 0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

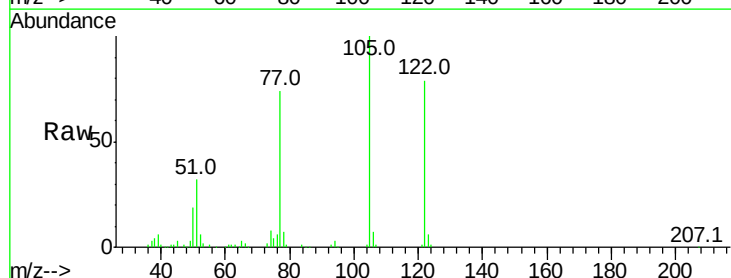
Tgt Ion:122 Resp: 218258

Ion Ratio Lower Upper

122 100

105 126.2 107.2 147.2

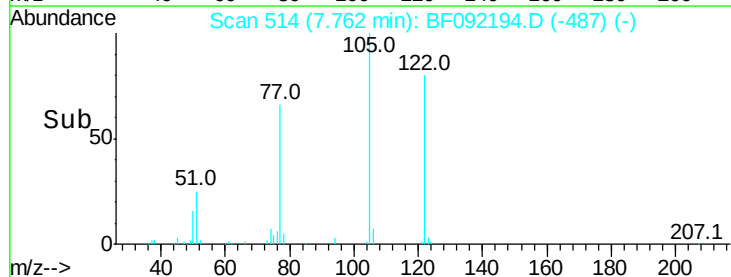
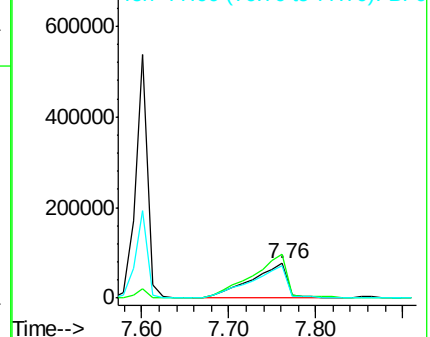
77 93.6 74.5 114.5

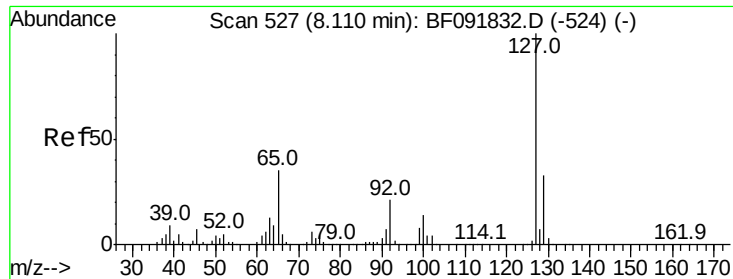


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

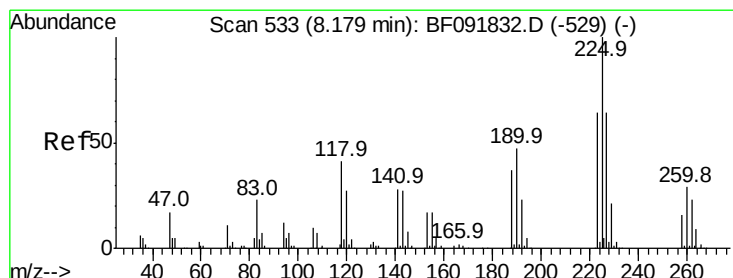
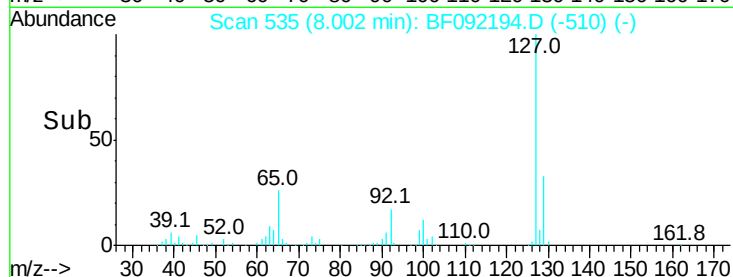
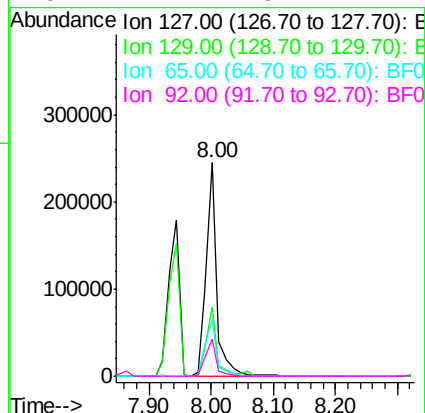
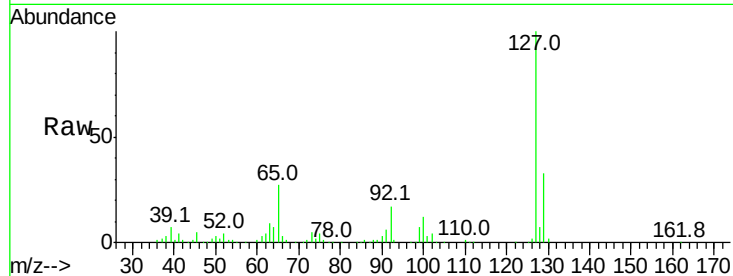




#33  
4-Chloroaniline  
Concen: 20.26 ng  
RT: 8.00 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

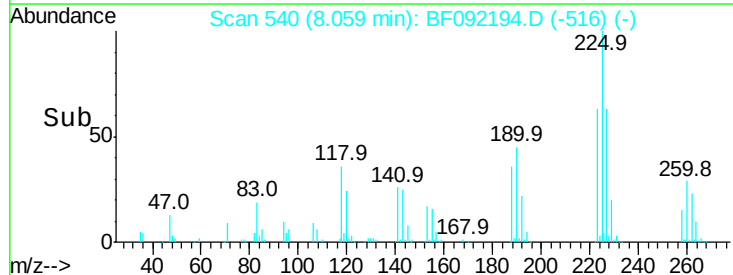
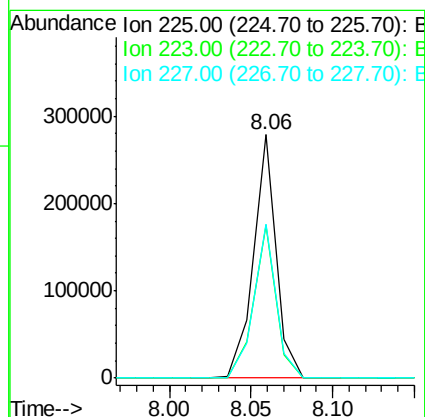
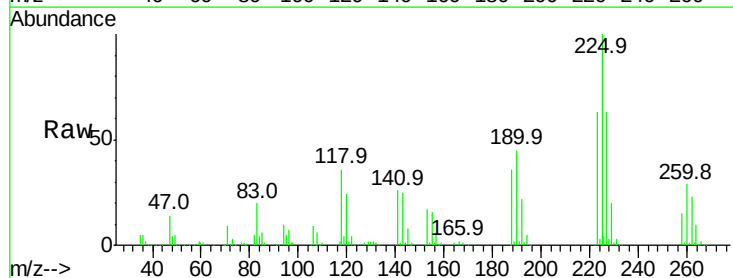
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

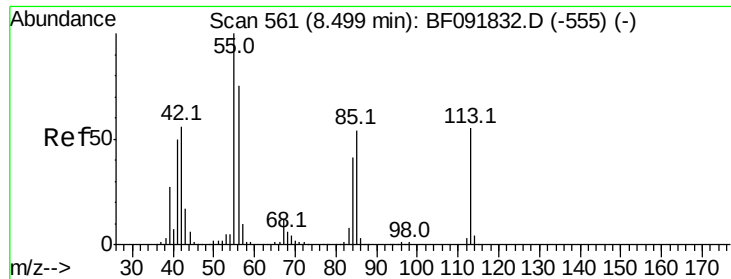
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 292434 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 26.3  | 39.5   |
| 65       | 26.6  | 25.8  | 38.8   |
| 92       | 17.4  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 49.91 ng  
RT: 8.06 min Scan# 540  
Delta R.T. -0.02 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 267867 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.6  | 51.0  | 76.6   |
| 227      | 63.3  | 50.6  | 76.0   |





#35

Caprolactam

Concen: 52.65 ng/mL

RT: 8.39 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

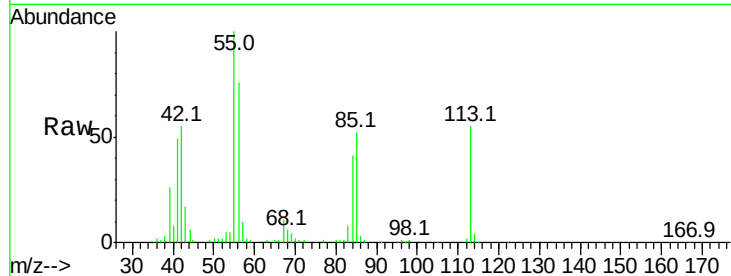
Tot Ion:113 Resp: 160526

Ion Ratio Lower Upper

113 100

55 182.7 119.2 159.2#

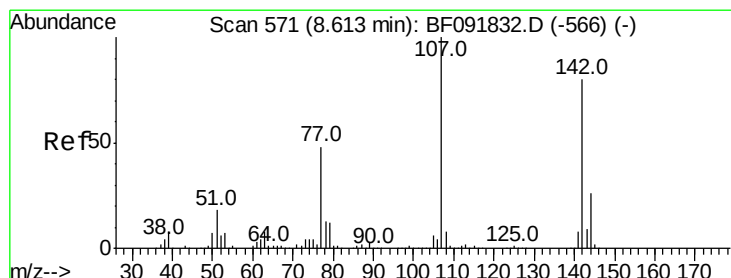
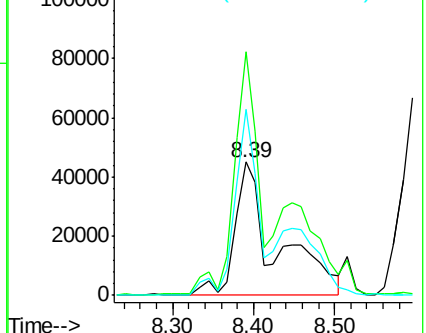
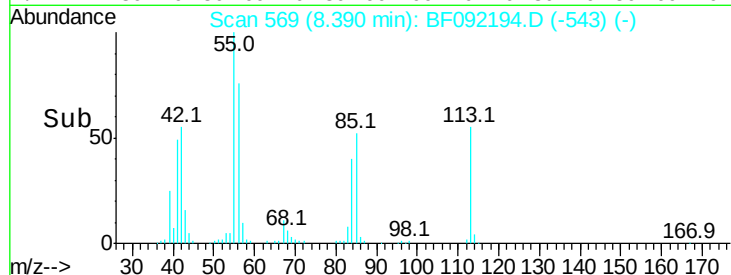
56 139.5 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 47.94 ng/mL

RT: 8.52 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

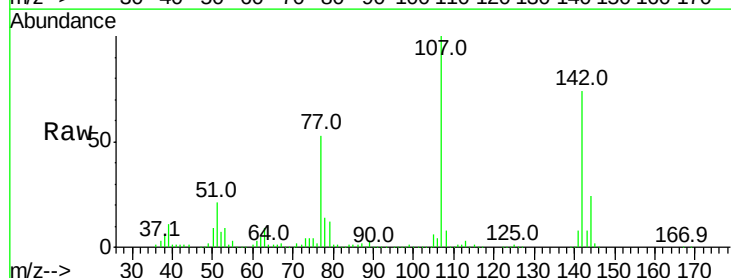
Tgt Ion:107 Resp: 511876

Ion Ratio Lower Upper

107 100

144 23.6 19.3 28.9

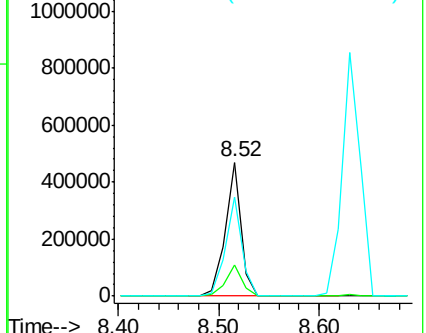
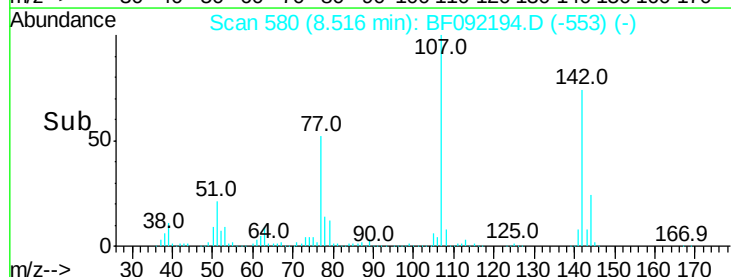
142 73.6 59.0 88.6

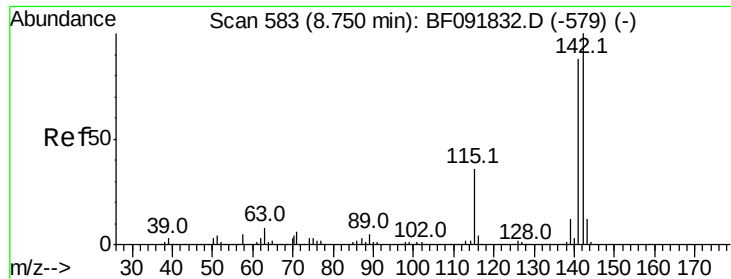


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

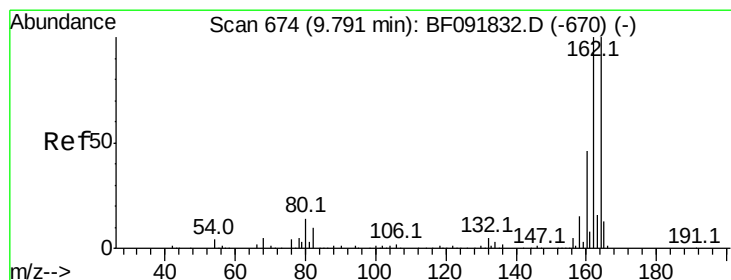
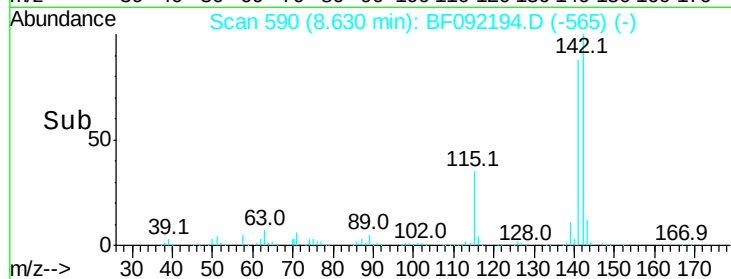
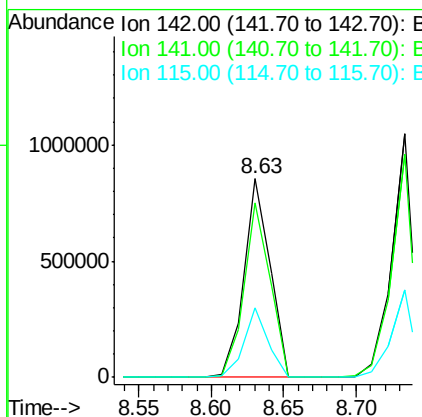
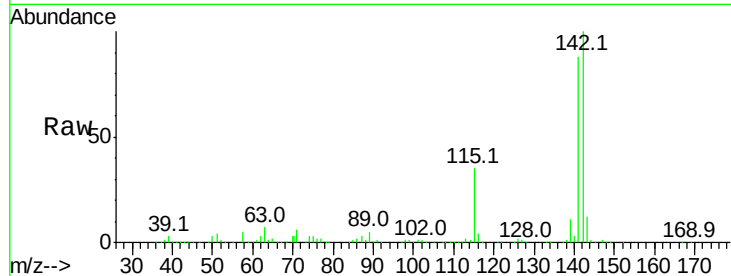




#37  
2-Methylnaphthalene  
Concen: 65.07 ng  
RT: 8.63 min Scan# 590  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

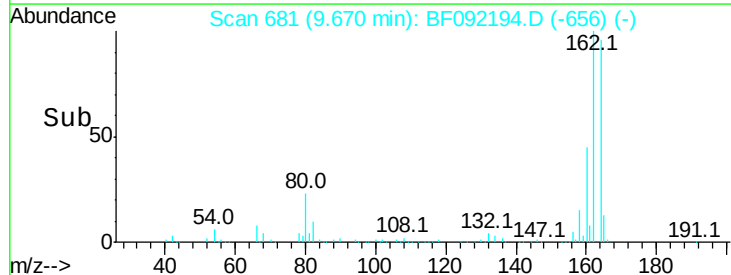
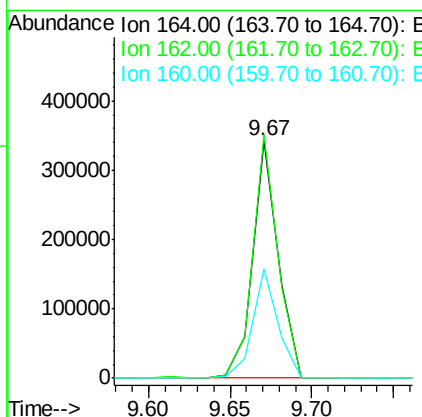
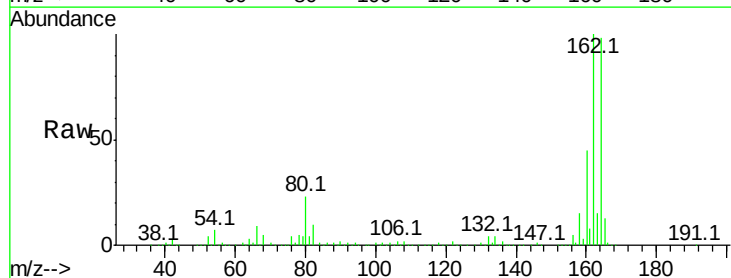
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

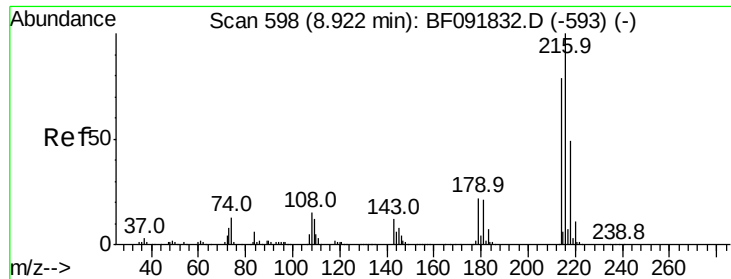
Tot Ion:142 Resp: 1060785  
Ion Ratio Lower Upper  
142 100  
141 88.1 71.0 106.6  
115 35.3 28.3 42.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.67 min Scan# 681  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:164 Resp: 371652  
Ion Ratio Lower Upper  
164 100  
162 102.4 80.2 120.2  
160 45.7 36.9 55.3

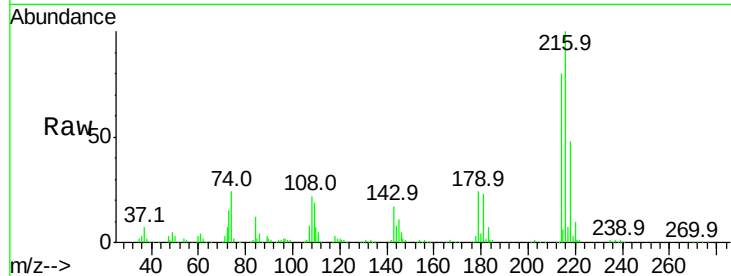




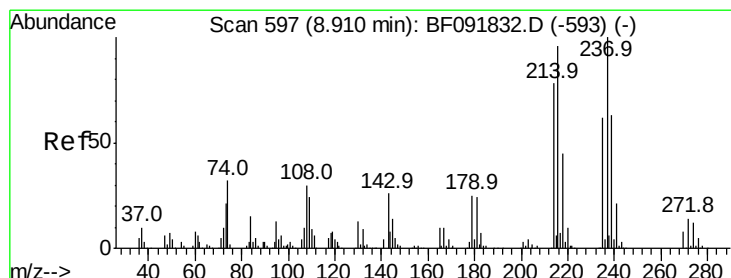
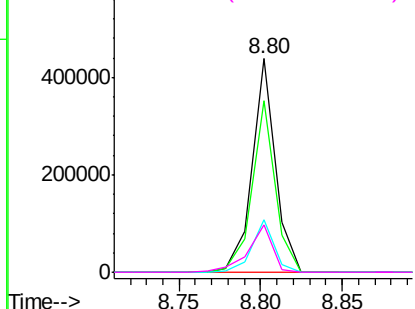
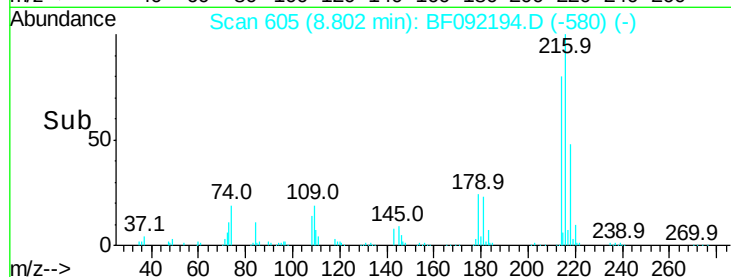
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 46.28 ng  
 RT: 8.80 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 434595 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.5  | 63.4  | 95.0   |
| 179      | 22.8  | 17.4  | 26.2   |
| 108      | 22.9  | 15.6  | 23.4   |

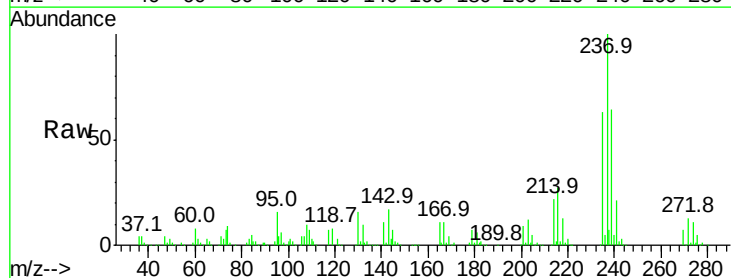


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

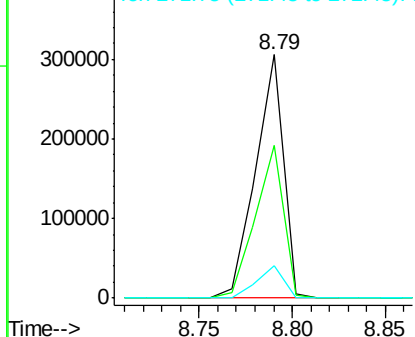
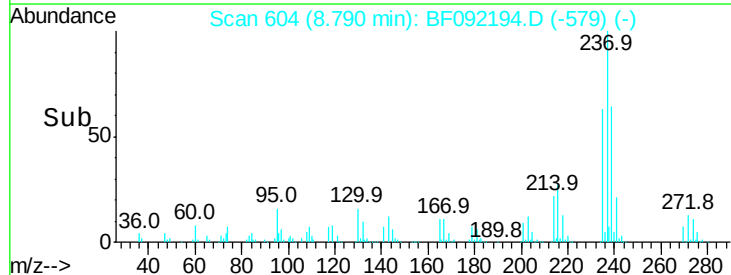


#40  
 Hexachlorocyclopentadiene  
 Concen: 75.91 ng  
 RT: 8.79 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

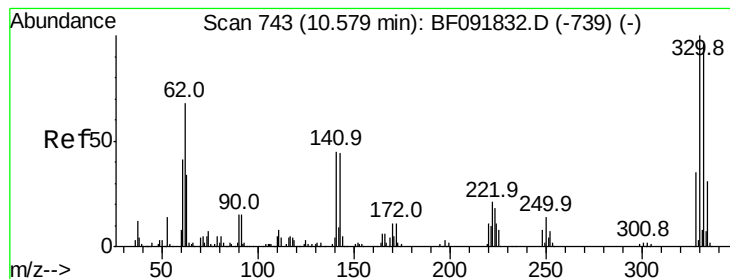
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 316528 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.7  | 41.2  | 81.2   |
| 272      | 13.4  | 0.0   | 35.4   |



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: 136.25 ng

RT: 10.47 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

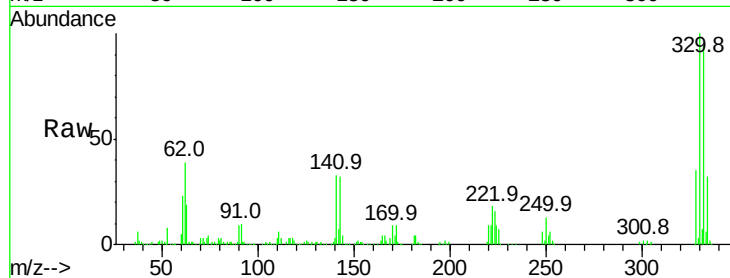
Tot Ion:330 Resp: 419065

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

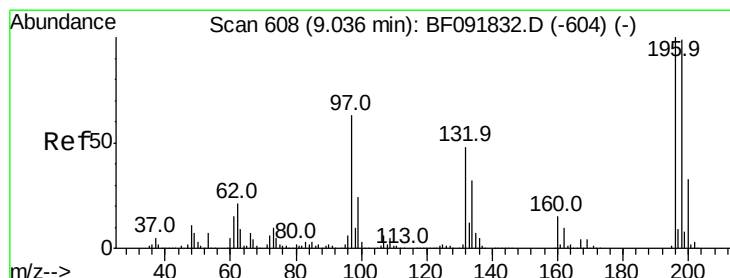
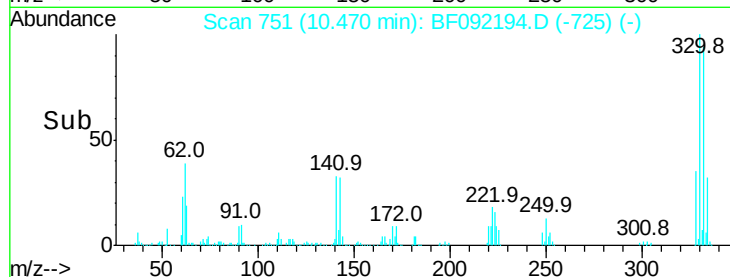
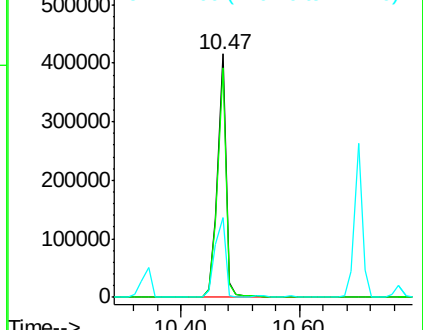
141 40.7 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 48.91 ng

RT: 8.93 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

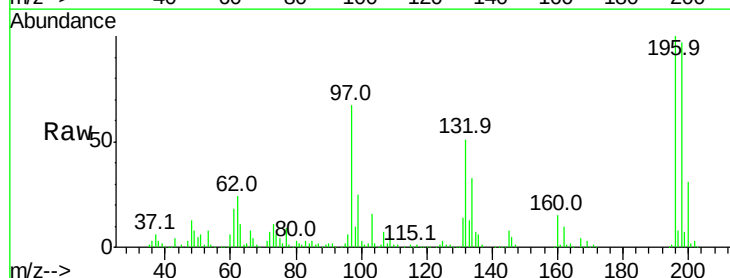
Tgt Ion:196 Resp: 321189

Ion Ratio Lower Upper

196 100

198 97.3 82.1 123.1

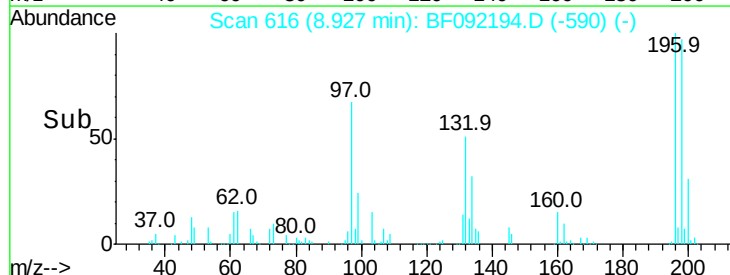
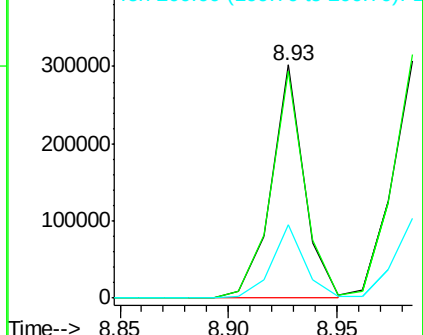
200 31.3 27.0 40.4

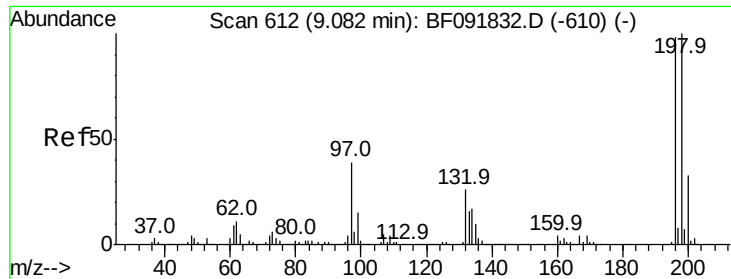


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

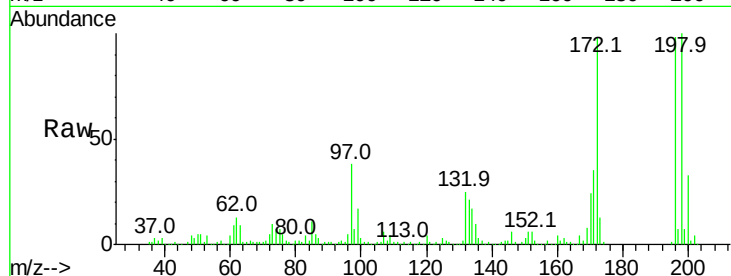




#43  
 2,4,5-Trichlorophenol  
 Concen: 46.93 ng  
 RT: 8.98 min Scan# 621  
 Delta R.T. 0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 102.5 | 79.4  | 119.2 |
| 97      | 39.3  | 51.5  | 77.3# |
| 132     | 25.5  | 27.4  | 41.2# |



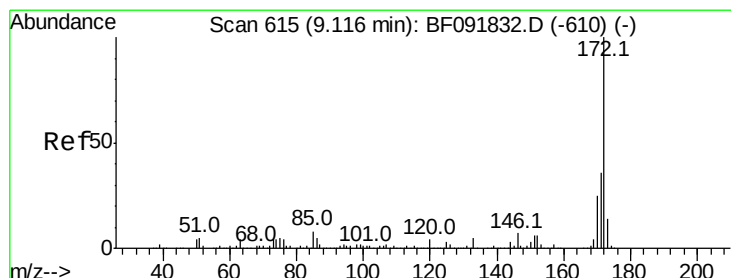
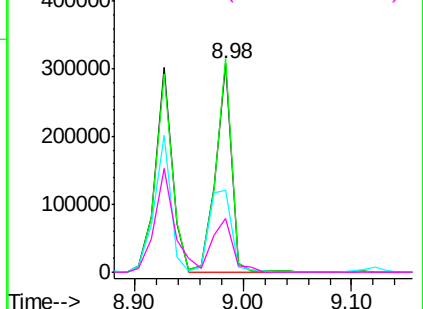
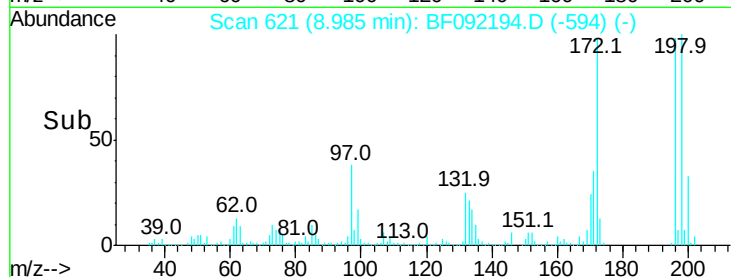
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

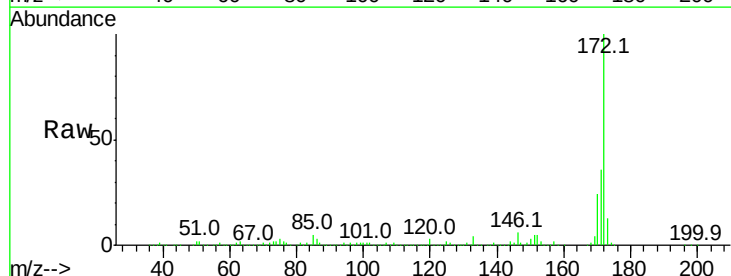
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 114.26 ng  
 RT: 9.01 min Scan# 623  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.4  | 44.0  |
| 170     | 23.9  | 20.2  | 30.4  |

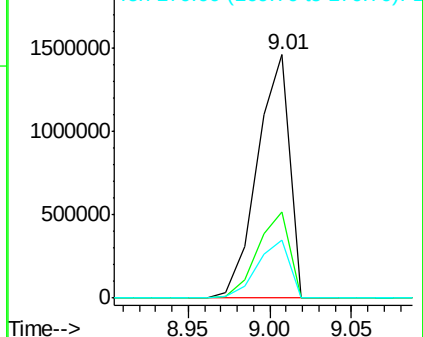
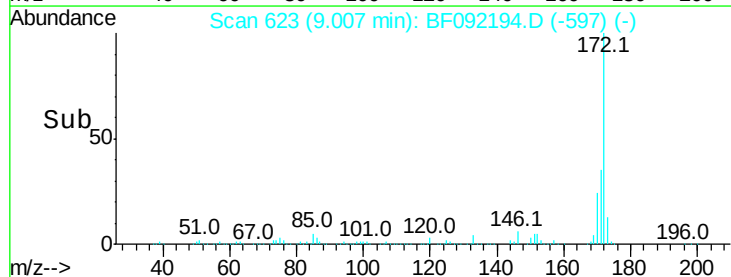


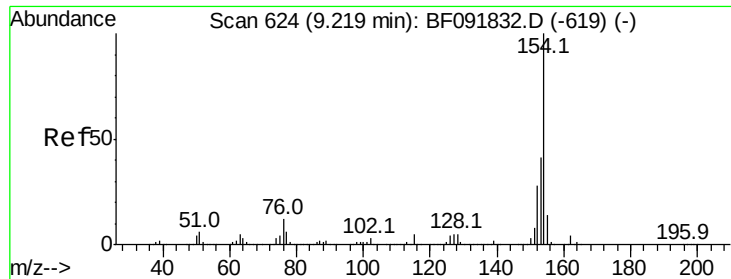
Abundance

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: 49.04 ng

RT: 9.10 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

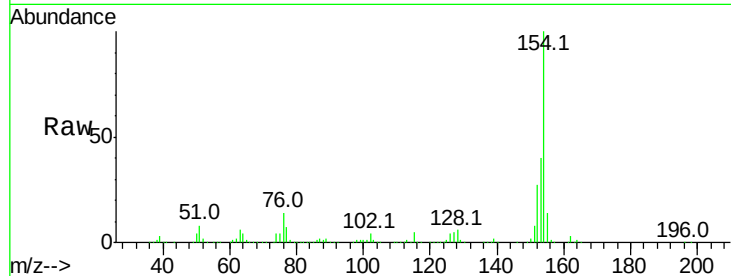
Tot Ion:154 Resp: 1248060

Ion Ratio Lower Upper

154 100

153 40.3 20.9 60.9

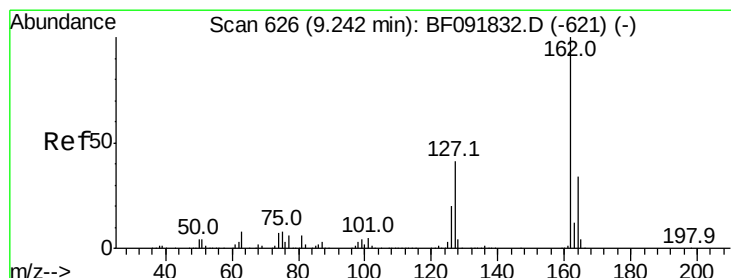
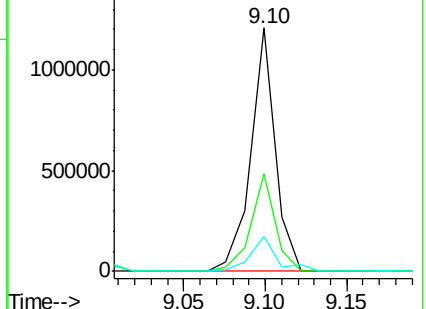
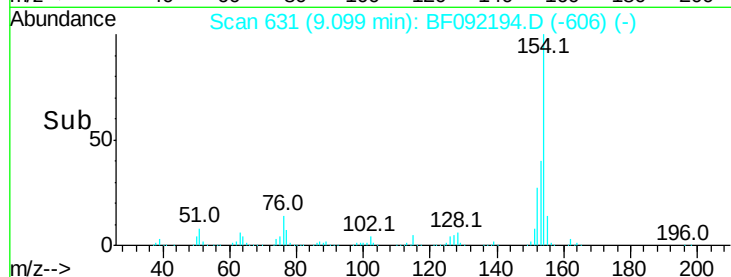
76 14.4 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BFO



#46

2-Chloronaphthalene

Concen: 46.84 ng

RT: 9.12 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

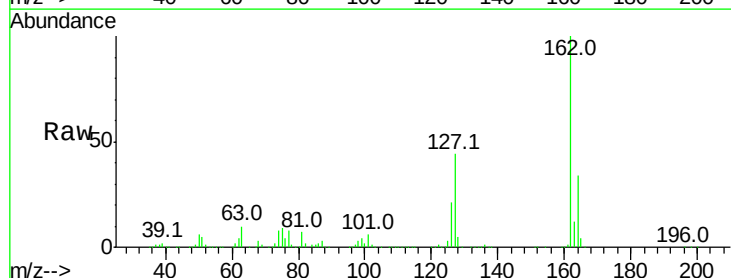
Tgt Ion:162 Resp: 944035

Ion Ratio Lower Upper

162 100

127 43.7 30.7 46.1

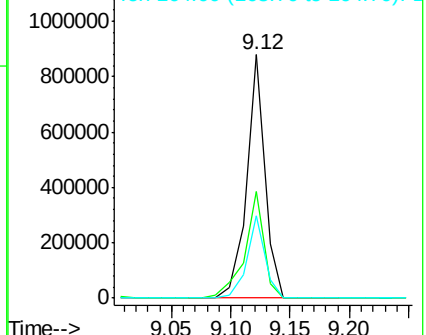
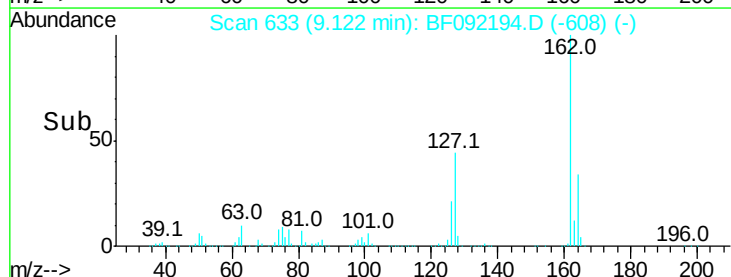
164 34.0 27.6 41.4

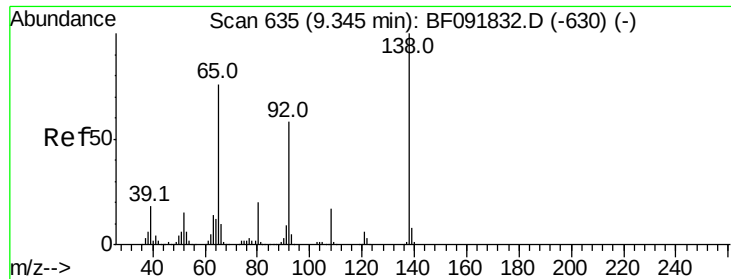


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

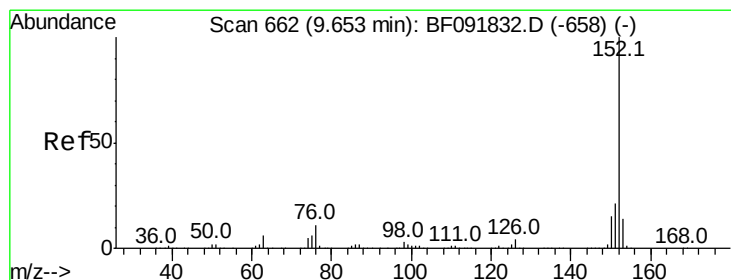
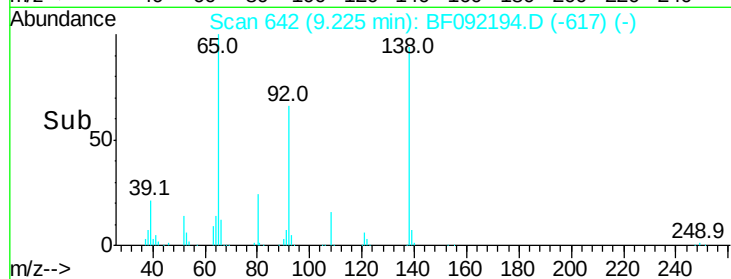
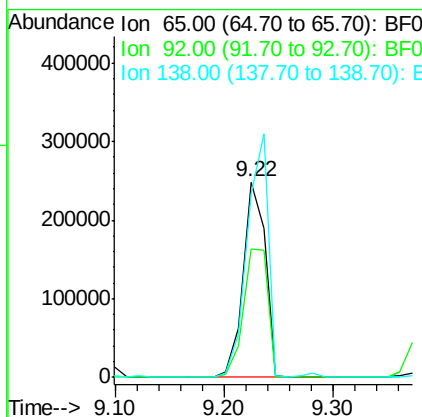
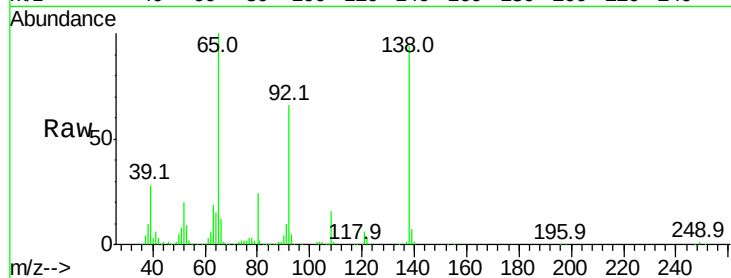




#47  
2-Nitroaniline  
Concen: 48.89 ng  
RT: 9.22 min Scan# 642  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

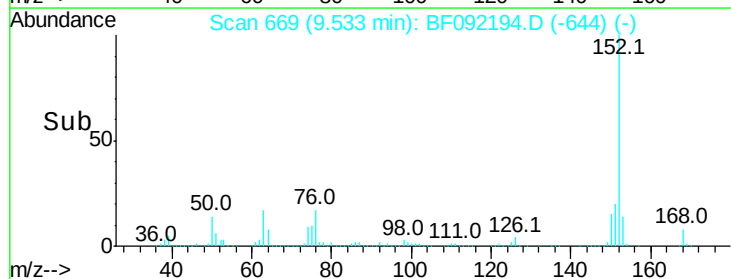
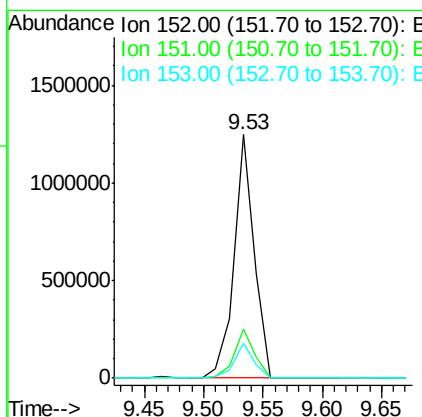
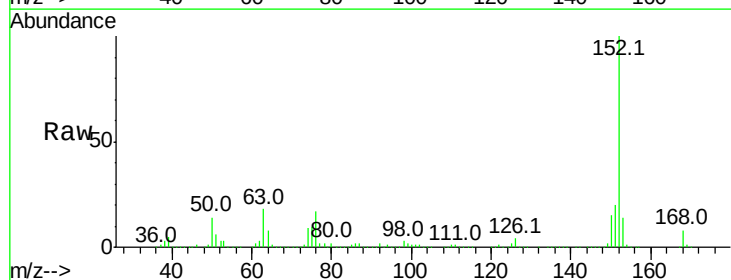
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

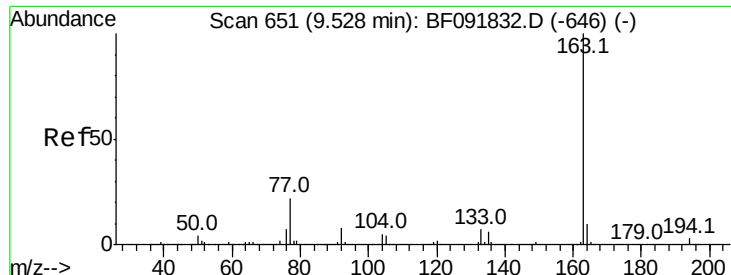
Tot Ion: 65 Resp: 350788  
Ion Ratio Lower Upper  
65 100  
92 66.1 53.9 80.9  
138 94.3 76.8 115.2



#48  
Acenaphthylene  
Concen: 47.20 ng  
RT: 9.53 min Scan# 669  
Delta R.T. -0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion: 152 Resp: 1462964  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.9 25.3  
153 14.4 11.4 17.2





#49

Dimethylphthalate

Concen: 61.51 ng

RT: 9.42 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

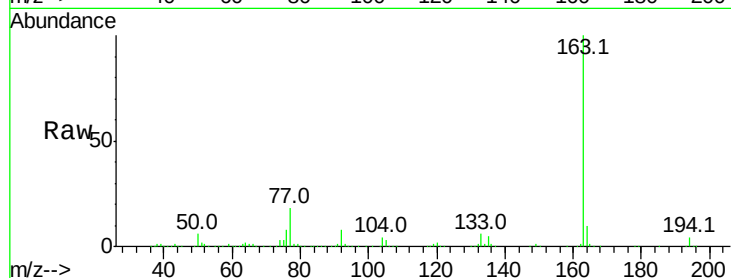
Tot Ion:163 Resp: 1462037

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

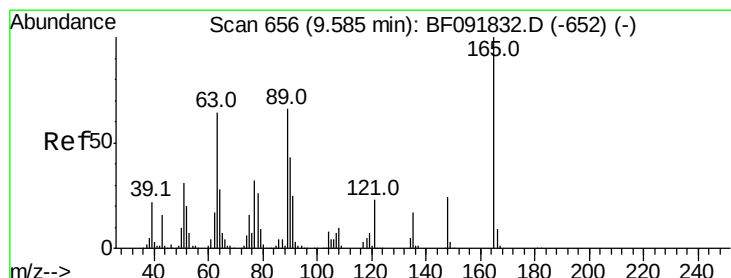
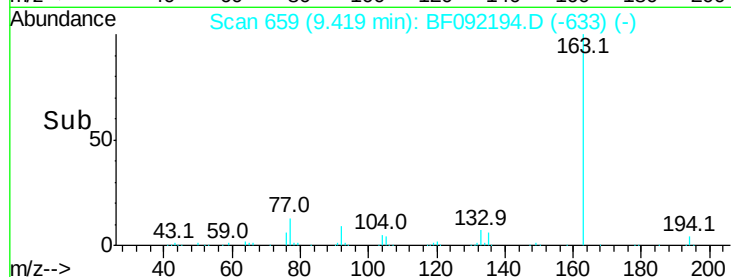
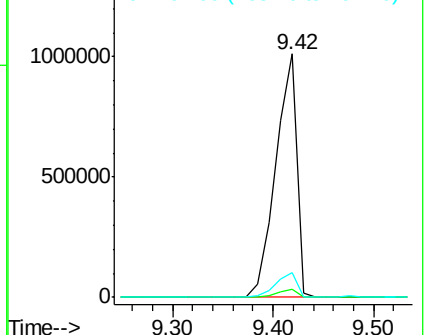
164 10.0 8.0 12.0



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: 48.96 ng

RT: 9.48 min Scan# 664

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

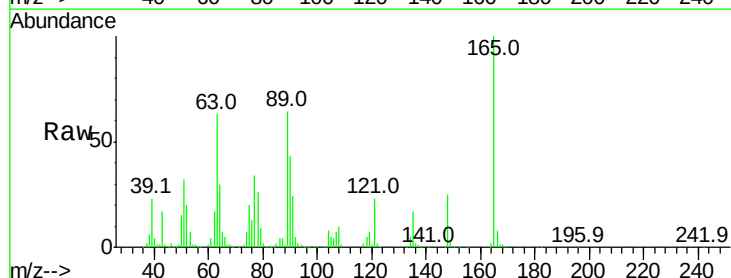
Tgt Ion:165 Resp: 254733

Ion Ratio Lower Upper

165 100

63 62.9 36.2 54.4#

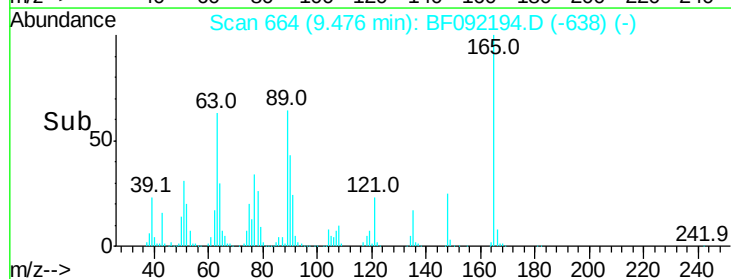
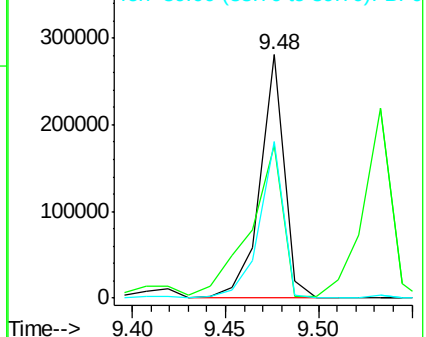
89 64.2 40.2 60.4#

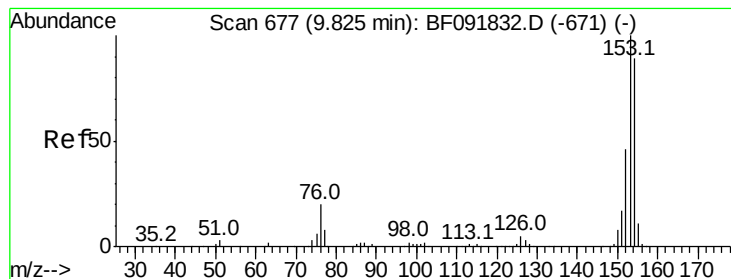


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.10 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

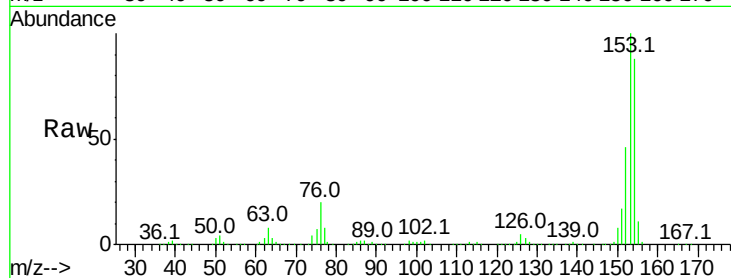
Tot Ion:154 Resp: 968658

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

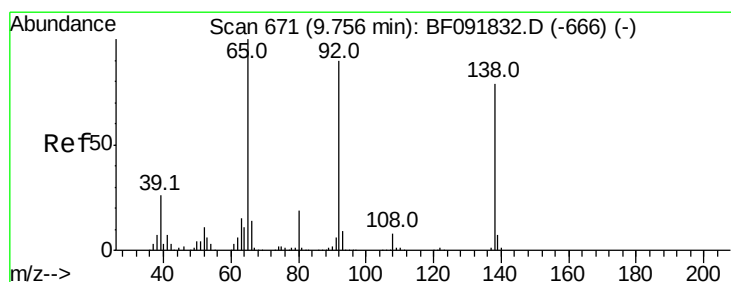
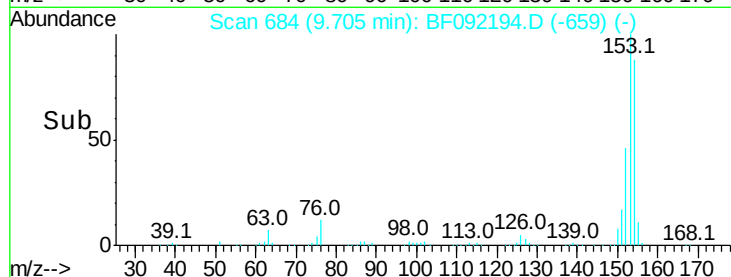
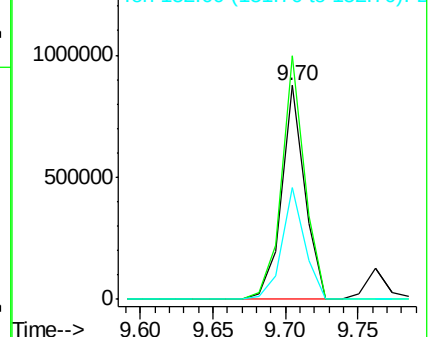
152 52.5 41.6 62.4



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



#52

3-Nitroaniline

Concen: 31.79 ng

RT: 9.65 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

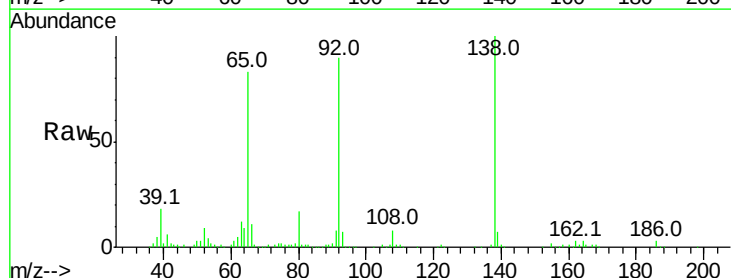
Tgt Ion:138 Resp: 204698

Ion Ratio Lower Upper

138 100

108 8.2 8.5 12.7#

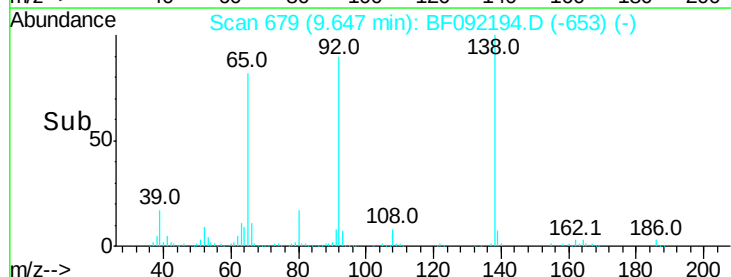
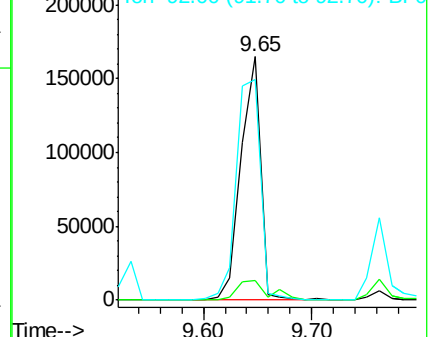
92 90.5 97.8 146.8#

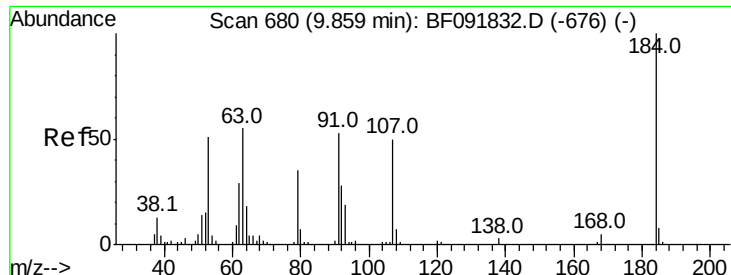


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

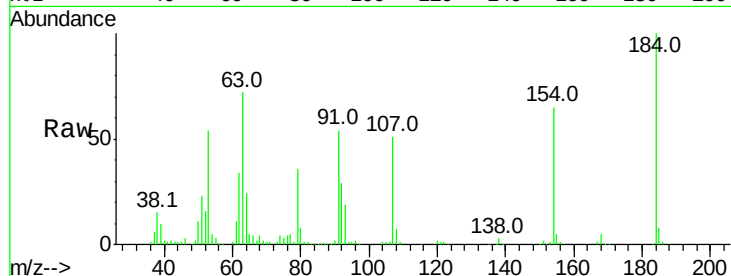




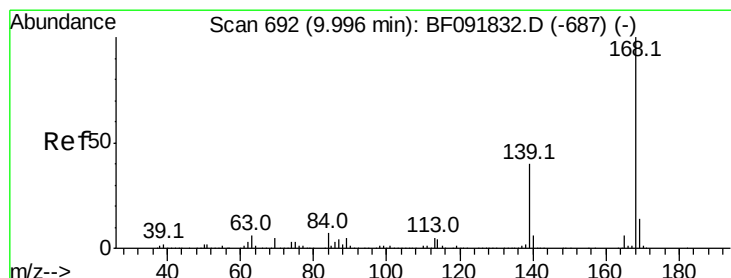
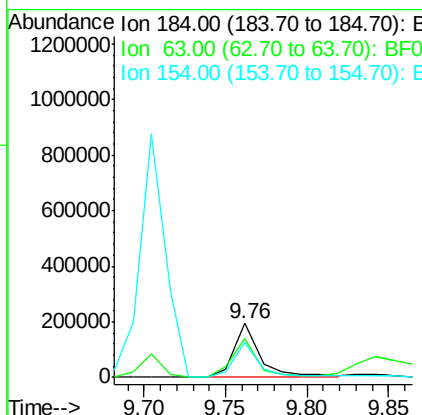
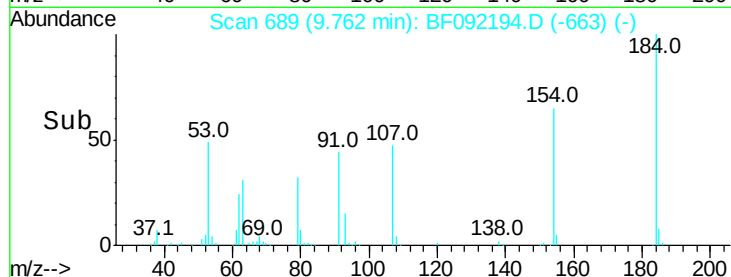
#53  
 2,4-Dinitrophenol  
 Concen: 75.02 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

Tot Ion:184 Resp: 217174  
 Ion Ratio Lower Upper  
 184 100  
 63 71.8 28.4 42.6#  
 154 65.3 44.3 66.5

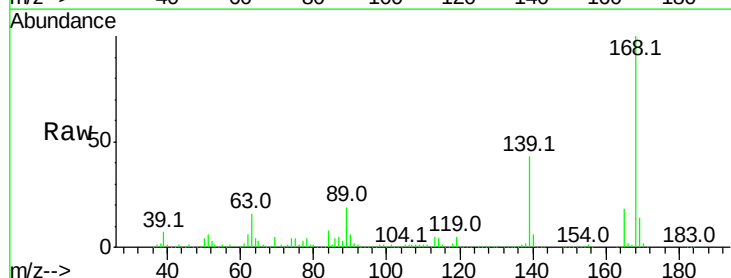


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 154.00 (153.70 to 154.70): E

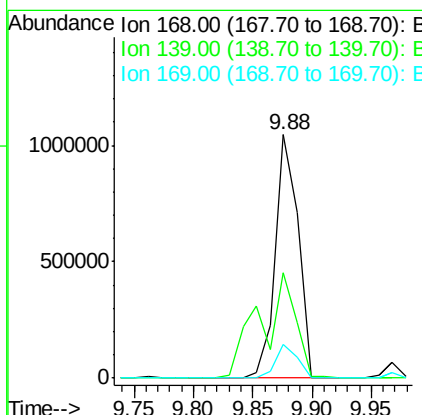
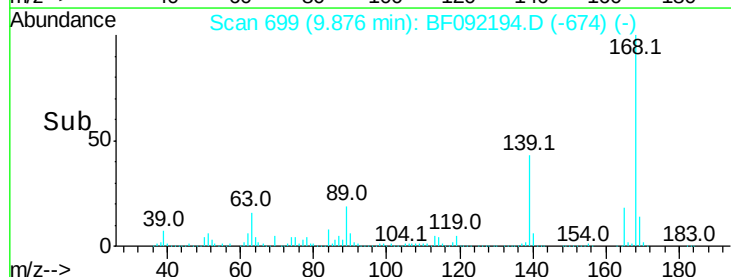


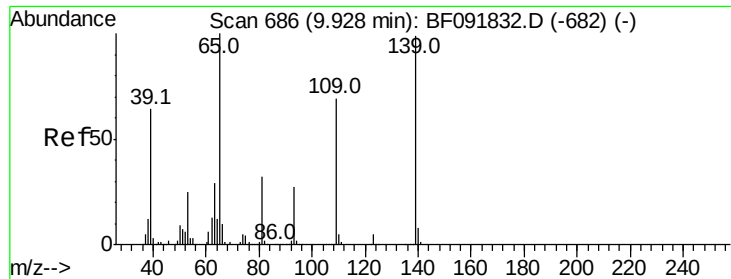
#54  
 Dibenzofuran  
 Concen: 48.67 ng  
 RT: 9.88 min Scan# 699  
 Delta R.T. -0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Tgt Ion:168 Resp: 1381201  
 Ion Ratio Lower Upper  
 168 100  
 139 43.3 32.6 49.0  
 169 13.8 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E  
 Ion 139.00 (138.70 to 139.70): E  
 Ion 169.00 (168.70 to 169.70): E

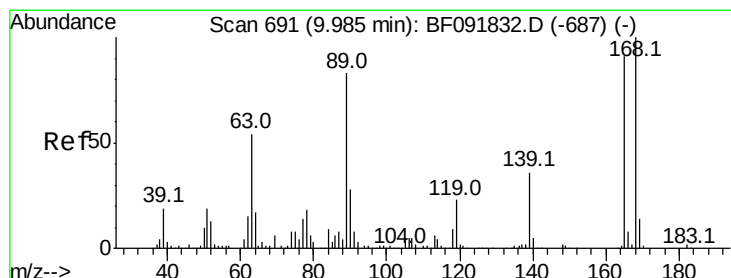
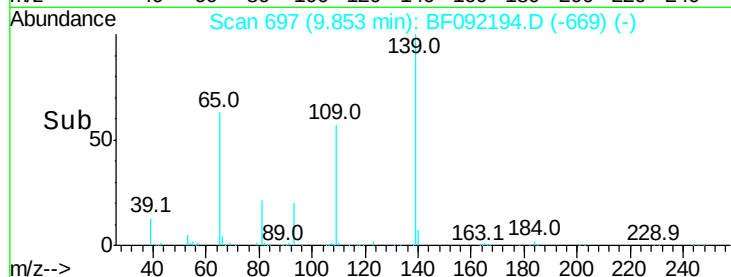
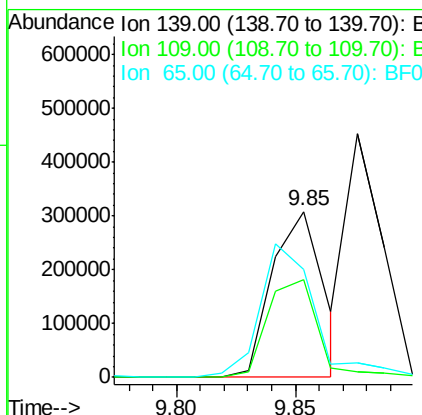
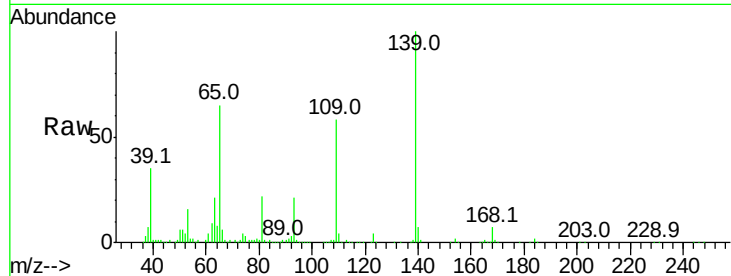




#55  
4-Nitrophenol  
Concen: 104.59 ng/mL  
RT: 9.85 min Scan# 697  
Delta R.T. 0.02 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

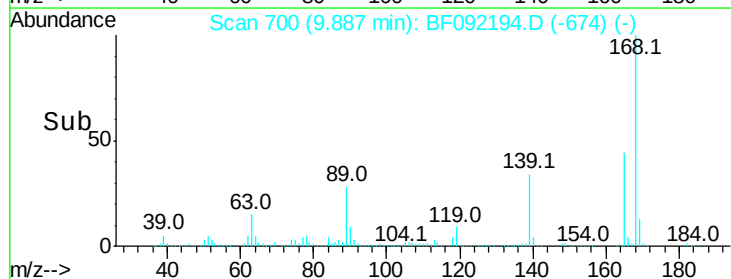
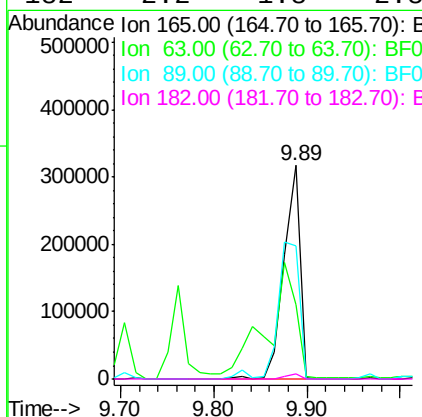
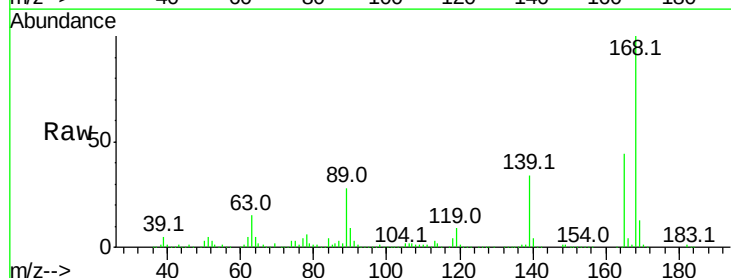
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion:139 Resp: 457247  
Ion Ratio Lower Upper  
139 100  
109 58.5 52.2 92.2  
65 65.3 85.8 125.8#

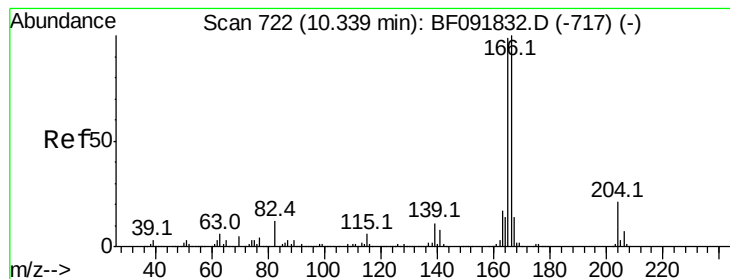


#56  
2,4-Dinitrotoluene  
Concen: 58.16 ng/mL  
RT: 9.89 min Scan# 700  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:165 Resp: 379781  
Ion Ratio Lower Upper  
165 100  
63 34.7 40.2 60.4#  
89 62.5 62.5 93.7  
182 2.2 1.8 2.8







#57

Fluorene

Concen: 51.98 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

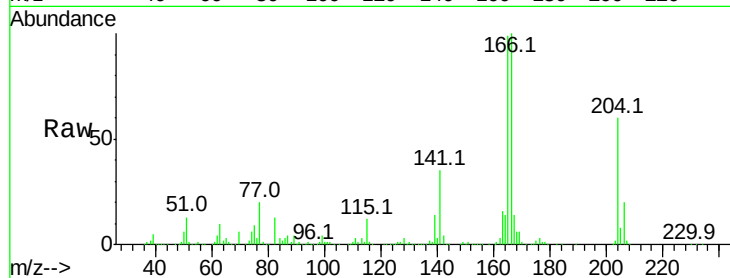
Tot Ion:166 Resp: 1073010

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.8

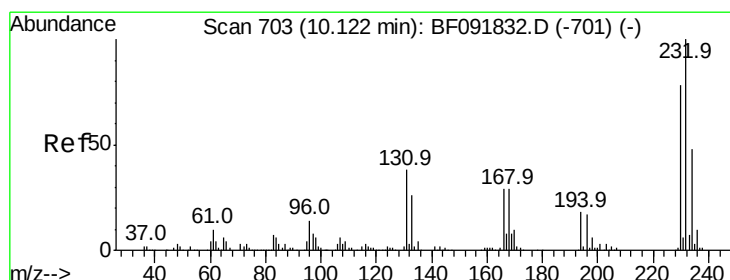
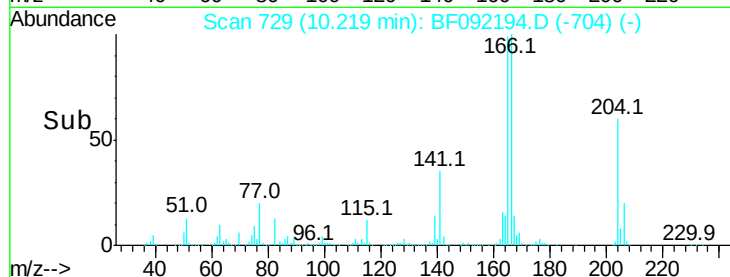
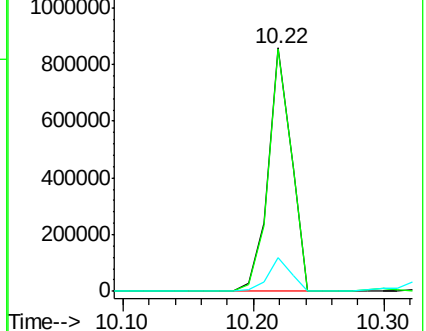
167 14.0 10.8 16.2



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: 53.43 ng

RT: 10.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Tgt Ion:232 Resp: 285591

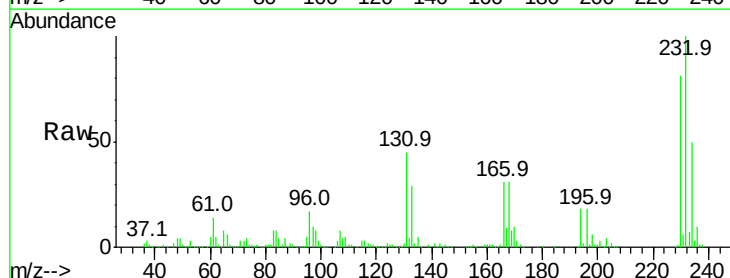
Ion Ratio Lower Upper

232 100

131 48.4 40.1 60.1

130 2.1 1.8 2.8

166 30.4 26.6 39.8

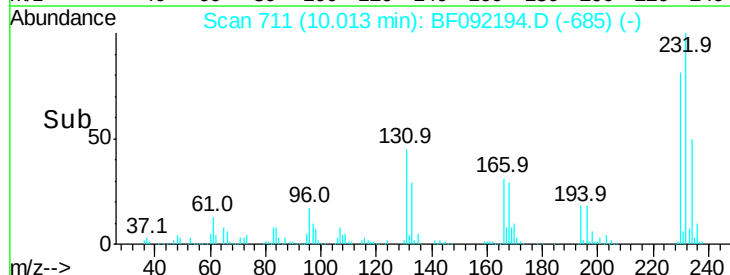
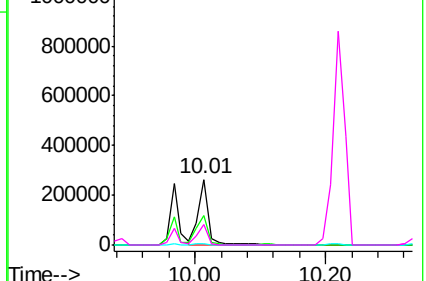


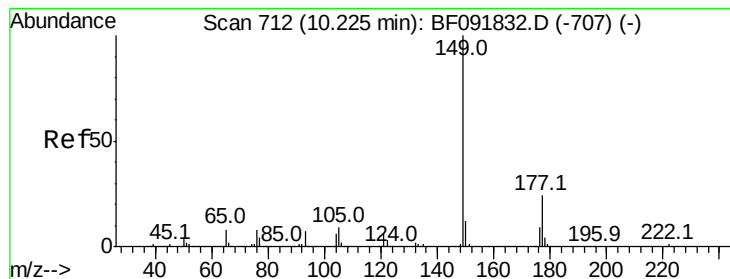
Abundance Ion 232.00 (231.70 to 232.70): E

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: 54.85 ng

RT: 10.12 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

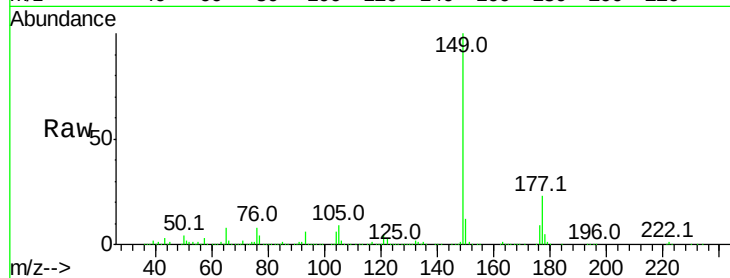
Tot Ion:149 Resp: 1266117

Ion Ratio Lower Upper

149 100

177 23.4 16.6 25.0

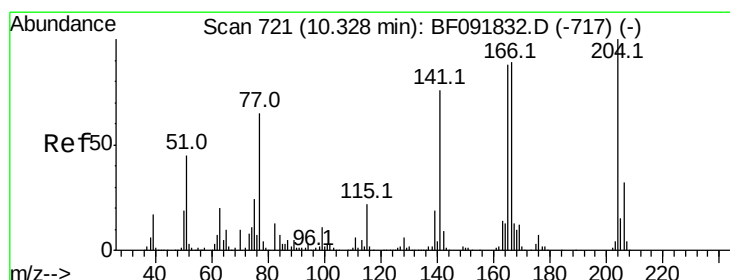
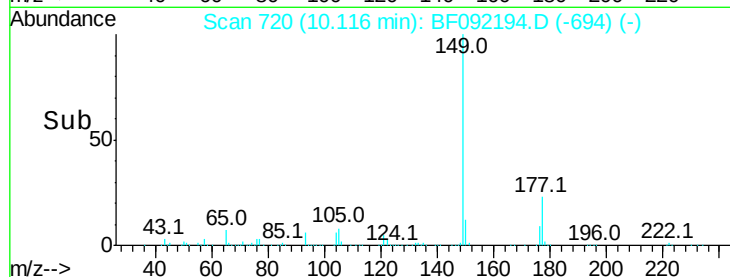
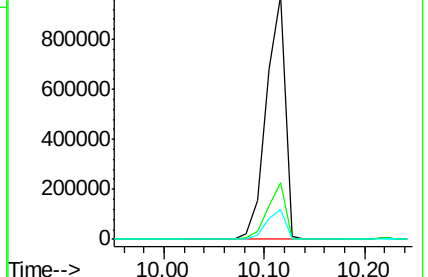
150 12.3 10.4 15.6



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: 55.61 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

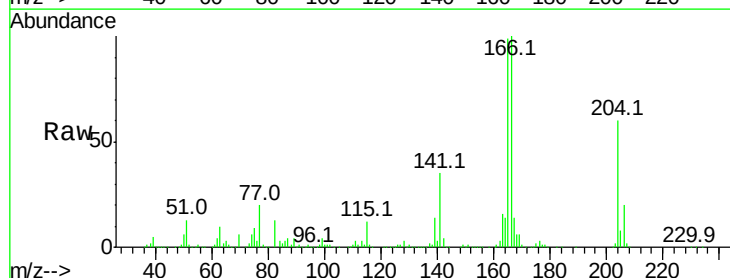
Tgt Ion:204 Resp: 502660

Ion Ratio Lower Upper

204 100

206 32.5 25.8 38.6

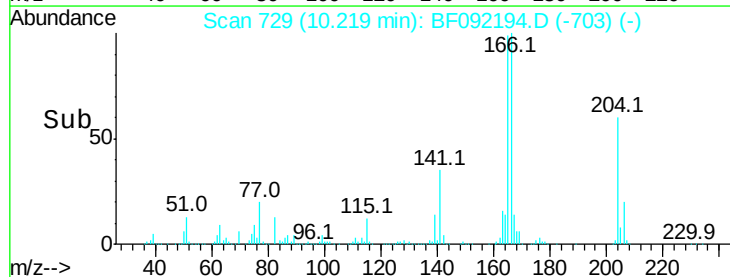
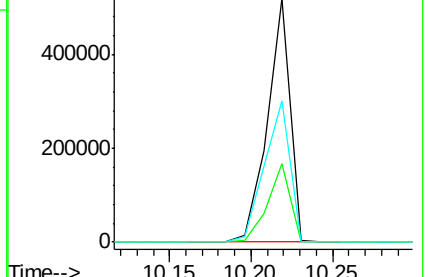
141 58.1 59.4 89.0#

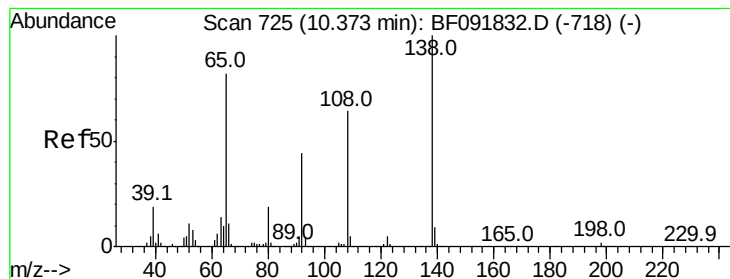


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

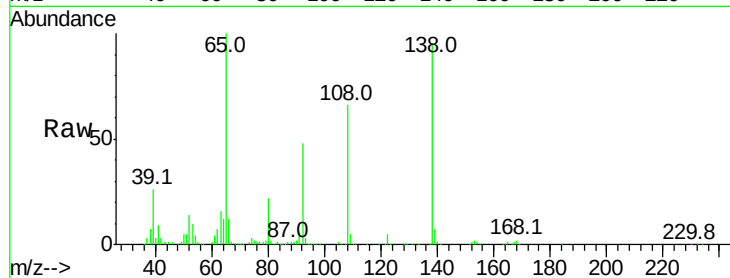




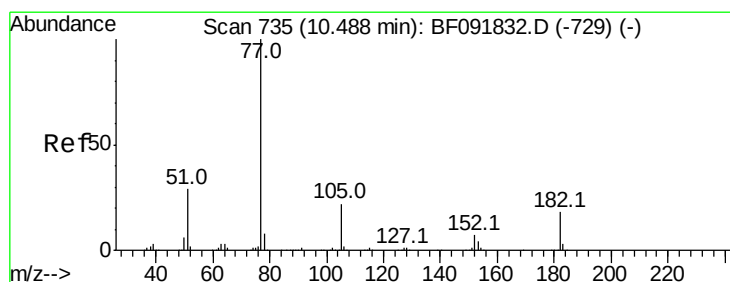
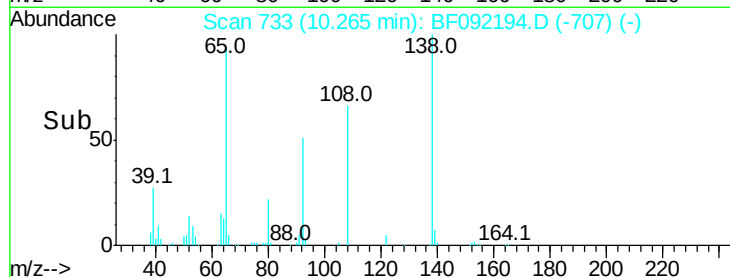
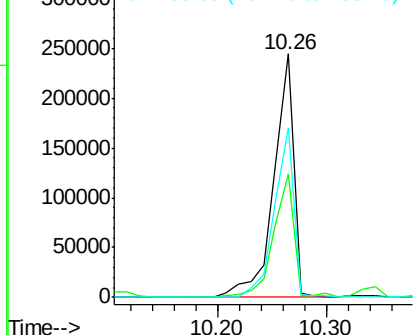
#61  
4-Nitroaniline  
Concen: 46.38 ng  
RT: 10.26 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion:138 Resp: 309492  
Ion Ratio Lower Upper  
138 100  
92 50.9 31.7 71.7  
108 69.7 52.6 92.6

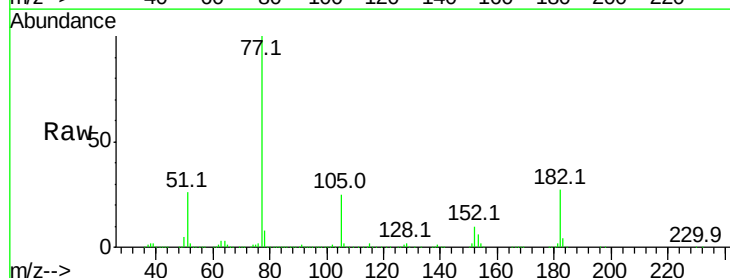


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 108.00 (107.70 to 108.70): E

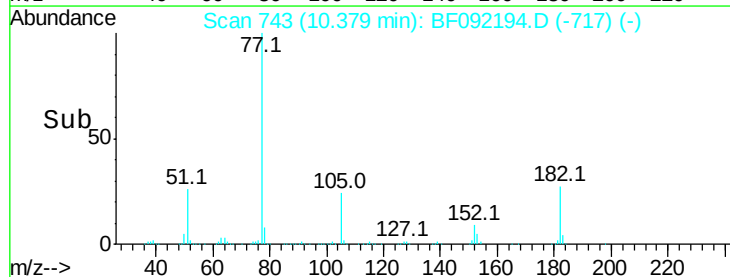
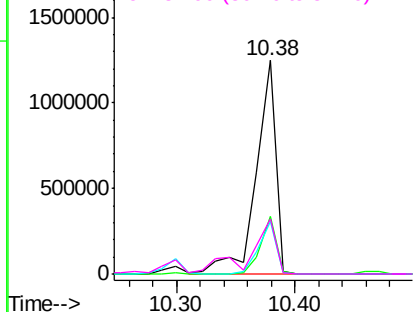


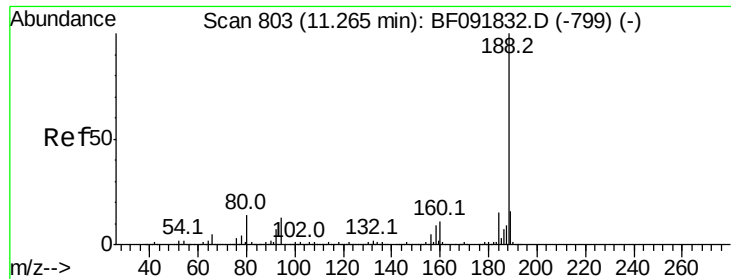
#62  
Azobenzene  
Concen: 56.68 ng  
RT: 10.38 min Scan# 743  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion: 77 Resp: 1440620  
Ion Ratio Lower Upper  
77 100  
182 27.0 0.0 39.3  
105 24.7 2.3 42.3  
51 25.8 8.9 48.9



Abundance Ion 77.00 (76.70 to 77.70): BF0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF0

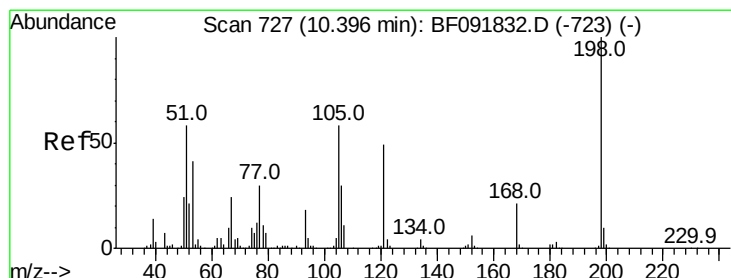
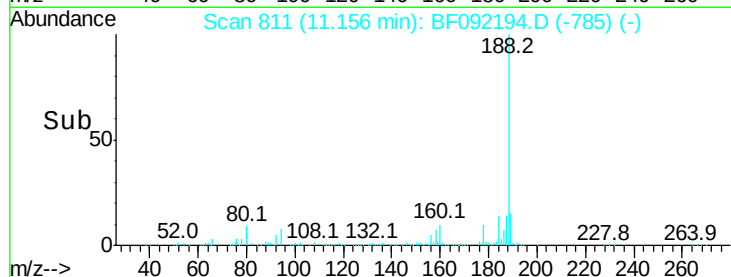
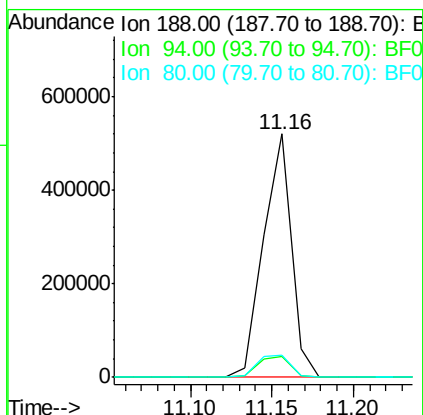
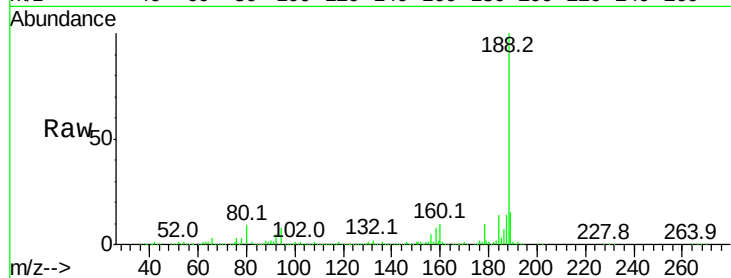




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.16 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

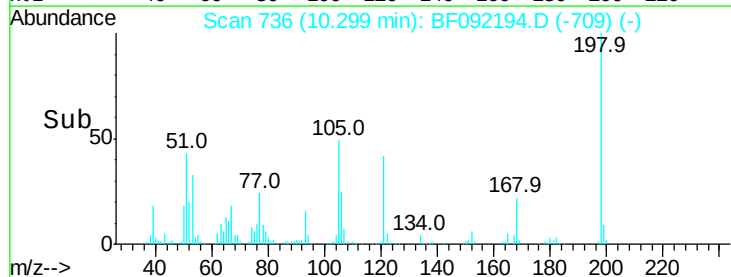
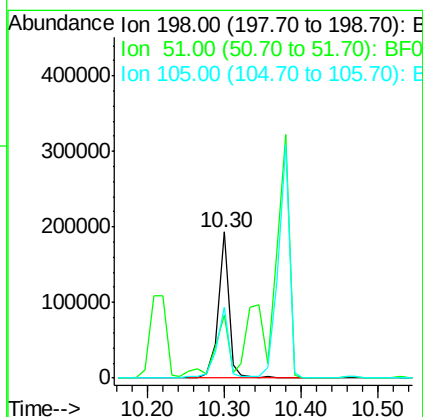
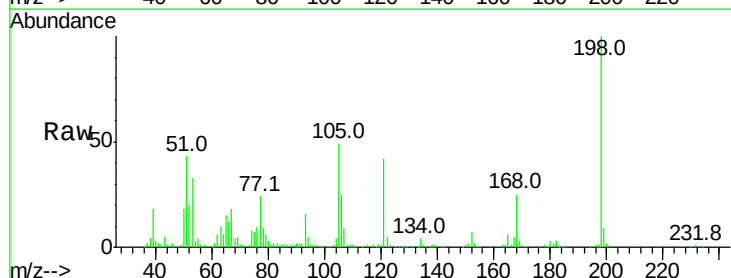
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

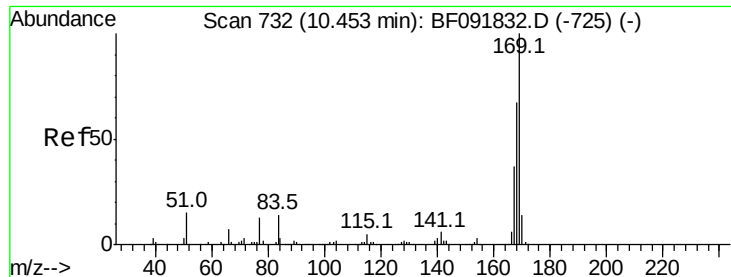
Tot Ion:188 Resp: 622829  
Ion Ratio Lower Upper  
188 100  
94 8.4 10.0 15.0#  
80 9.1 11.2 16.8#



#64  
4,6-Dinitro-2-methylphenol  
Concen: 50.45 ng  
RT: 10.30 min Scan# 736  
Delta R.T. 0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:198 Resp: 190001  
Ion Ratio Lower Upper  
198 100  
51 43.2 6.7 46.7  
105 48.5 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 57.33 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

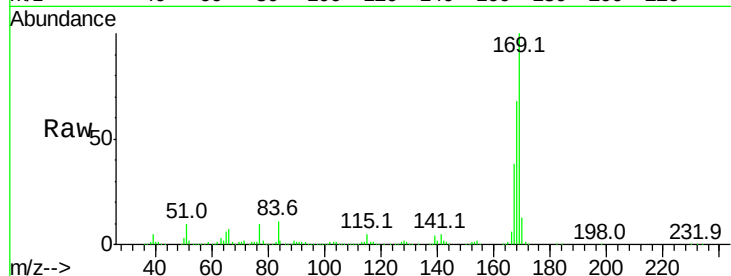
Tot Ion:169 Resp: 1059456

Ion Ratio Lower Upper

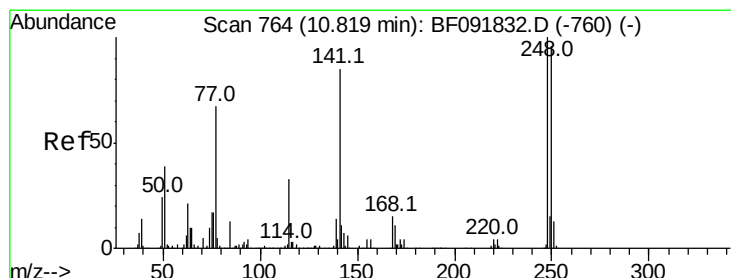
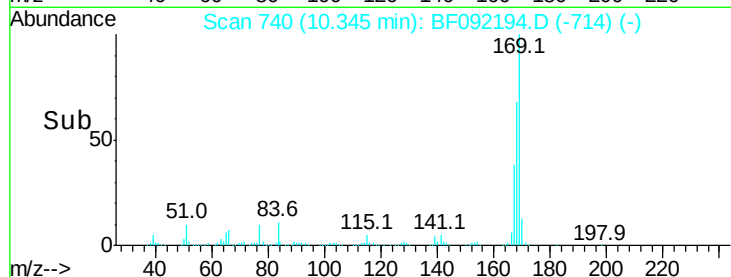
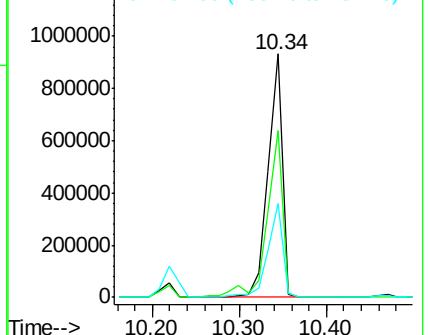
169 100

168 68.4 54.2 81.2

167 38.4 30.2 45.4



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



#66

4-Bromophenyl-phenylether

Concen: 47.17 ng

RT: 10.70 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

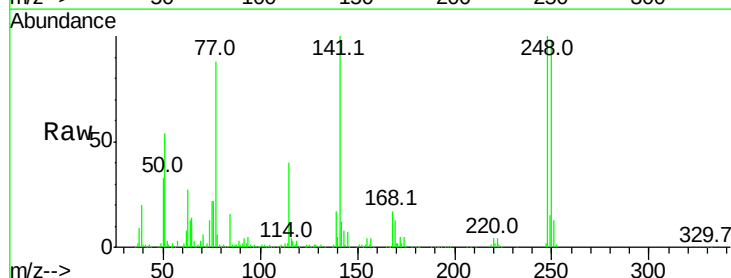
Tgt Ion:248 Resp: 305630

Ion Ratio Lower Upper

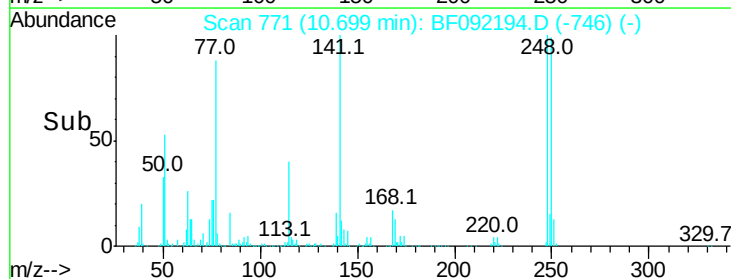
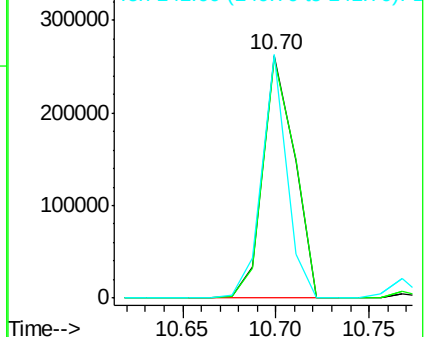
248 100

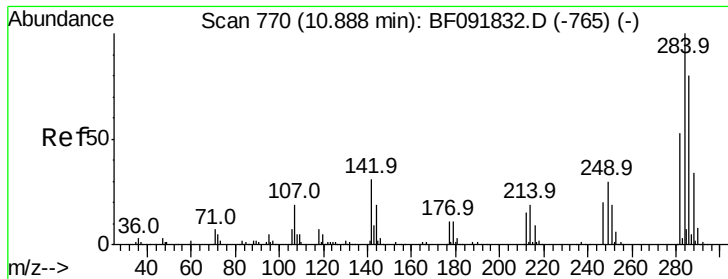
250 98.7 76.9 115.3

141 100.3 68.2 102.4



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

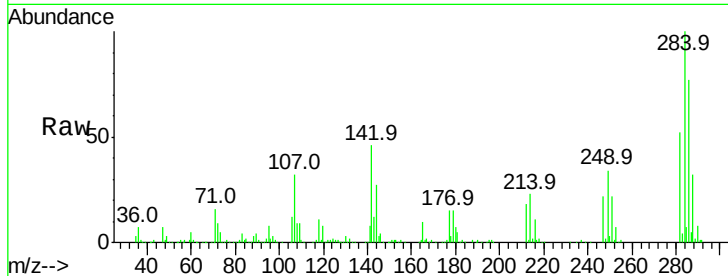




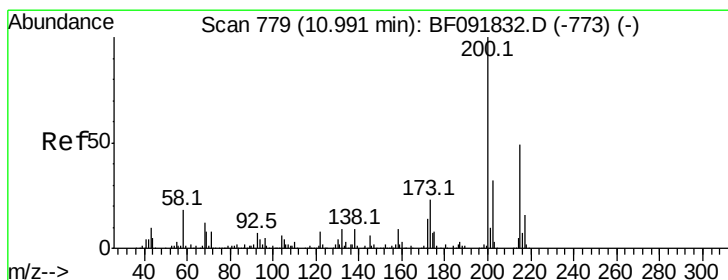
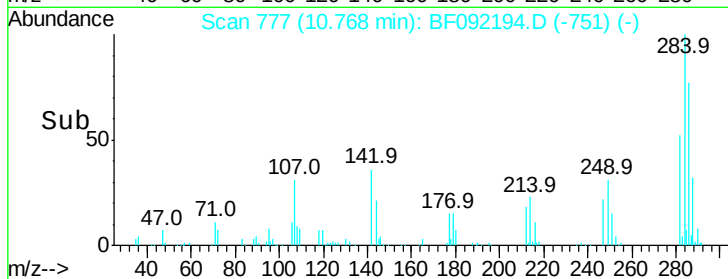
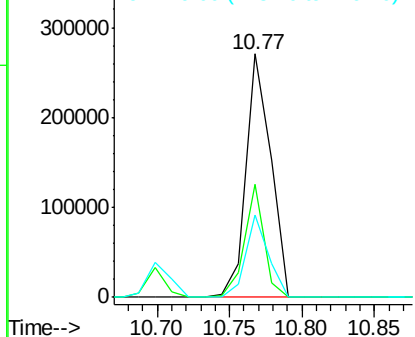
#67  
Hexachlorobenzene  
Concen: 46.12 ng  
RT: 10.77 min Scan# 777  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion:284 Resp: 319354  
Ion Ratio Lower Upper  
284 100  
142 46.4 22.6 33.8#  
249 34.0 25.4 38.0

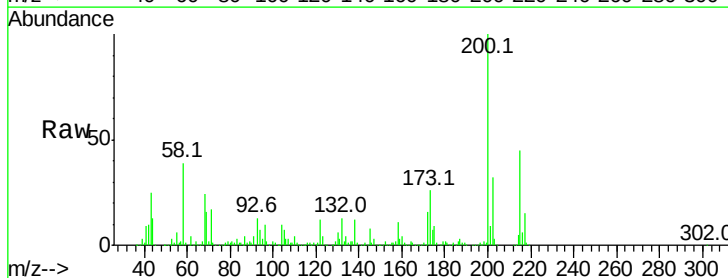


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

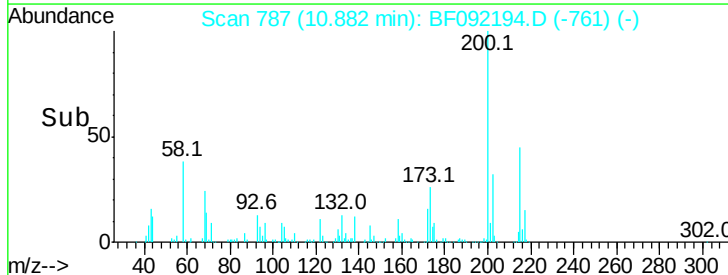
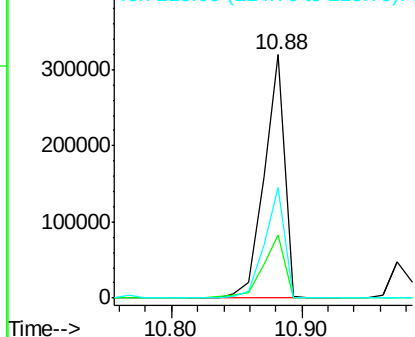


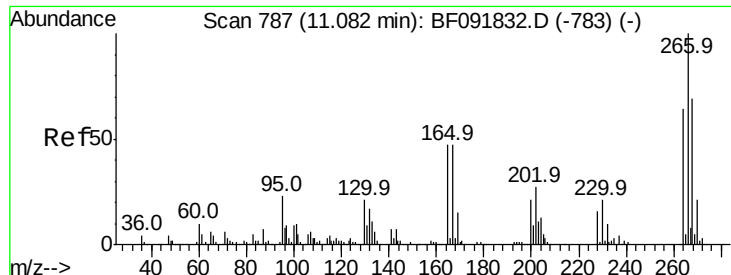
#68  
Atrazine  
Concen: 58.38 ng  
RT: 10.88 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:200 Resp: 348013  
Ion Ratio Lower Upper  
200 100  
173 25.8 9.6 49.6  
215 45.3 25.7 65.7



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

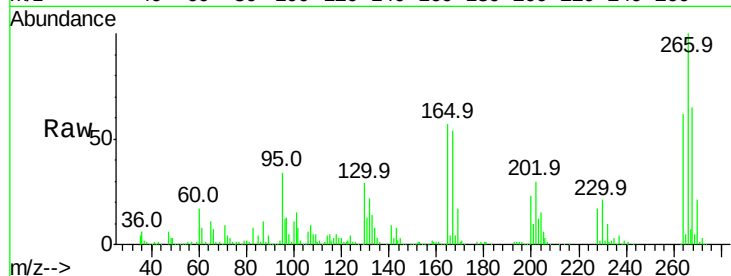




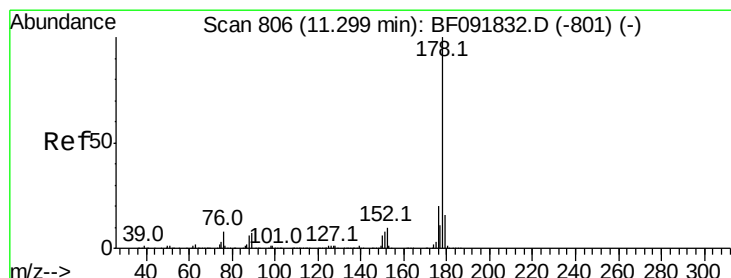
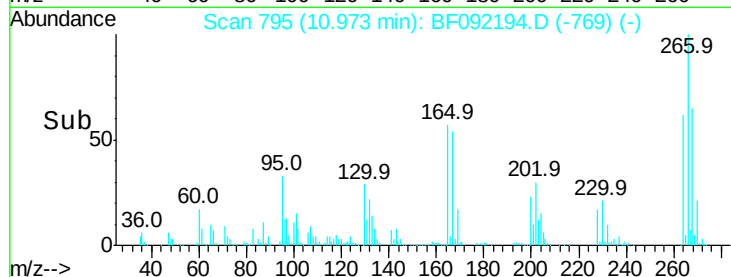
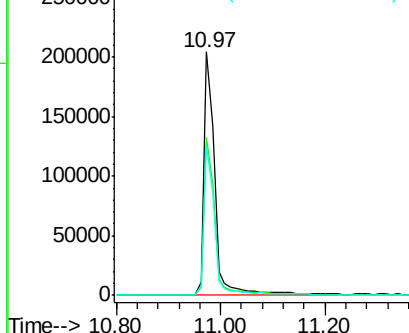
#69  
 Pentachlorophenol  
 Concen: 88.36 ng  
 RT: 10.97 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.7  | 53.3  | 79.9  |
| 264     | 61.9  | 50.3  | 75.5  |

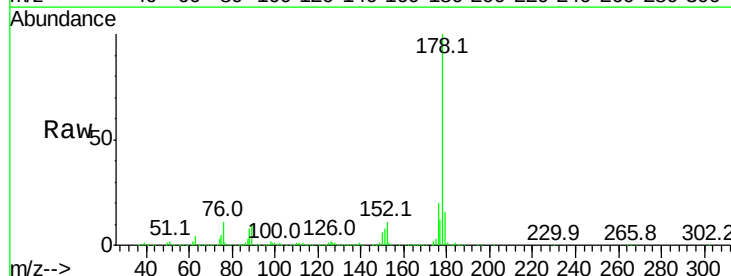


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

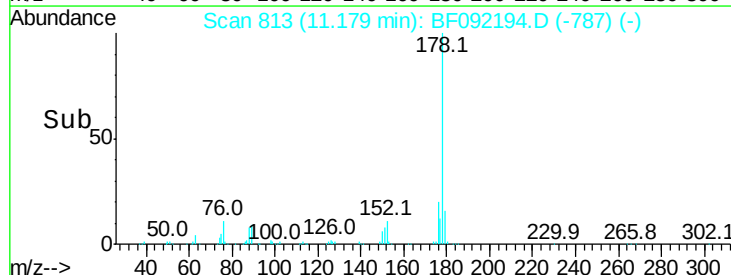
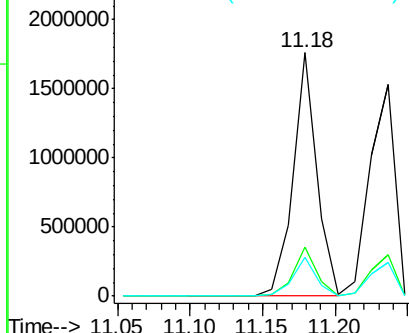


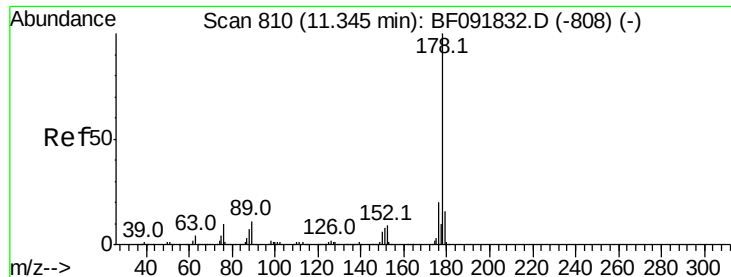
#70  
 Phenanthrene  
 Concen: 58.79 ng  
 RT: 11.18 min Scan# 813  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.0  | 16.6  | 25.0  |
| 179     | 16.1  | 12.8  | 19.2  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

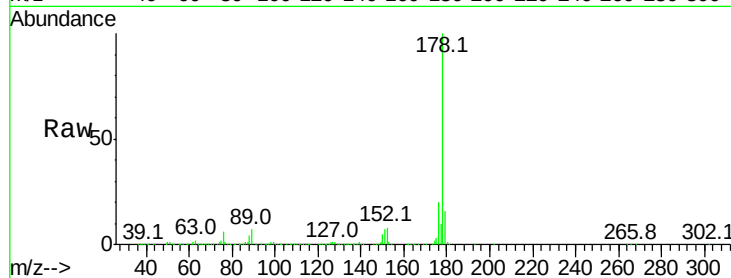




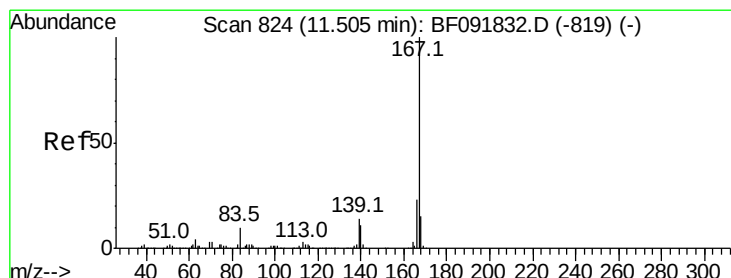
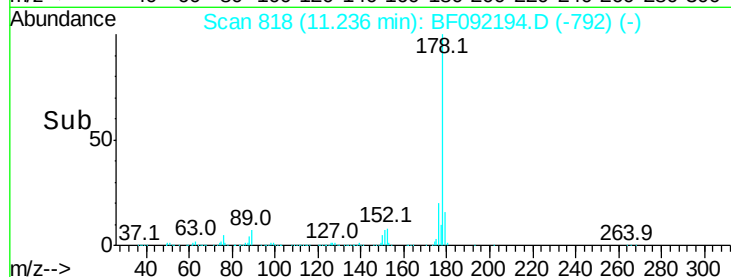
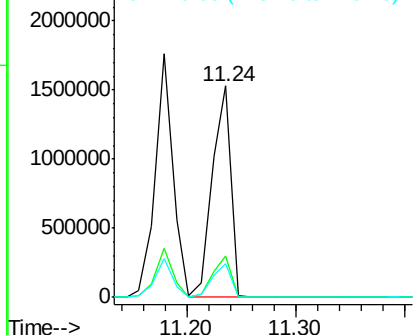
#71  
 Anthracene  
 Concen: Below Cal  
 RT: 11.24 min Scan# 818  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

Tot Ion:178 Resp: 1829295  
 Ion Ratio Lower Upper  
 178 100  
 176 19.7 15.9 23.9  
 179 15.8 13.2 19.8

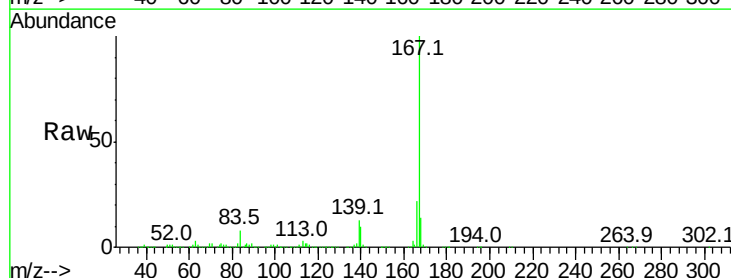


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

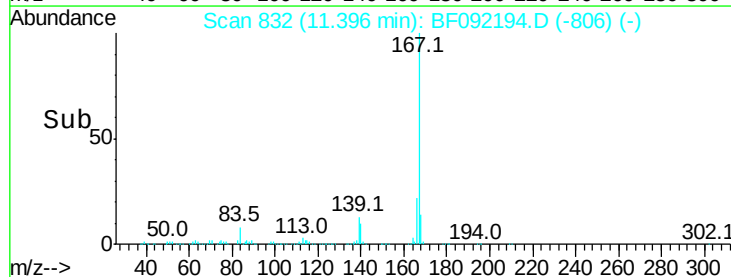
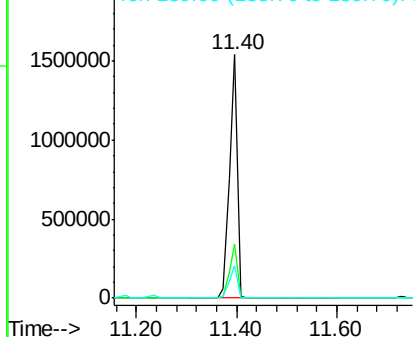


#72  
 Carbazole  
 Concen: Below Cal  
 RT: 11.40 min Scan# 832  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

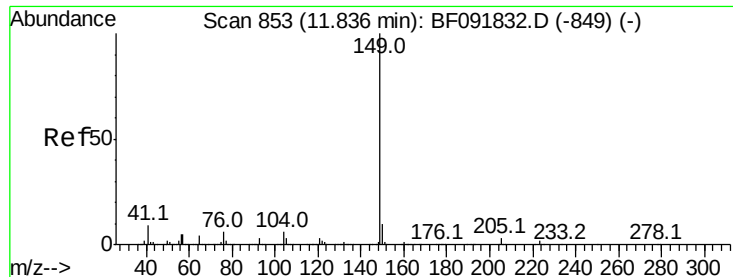
Tgt Ion:167 Resp: 1635657  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.2 27.2  
 139 13.3 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 60.13 ng

RT: 11.73 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

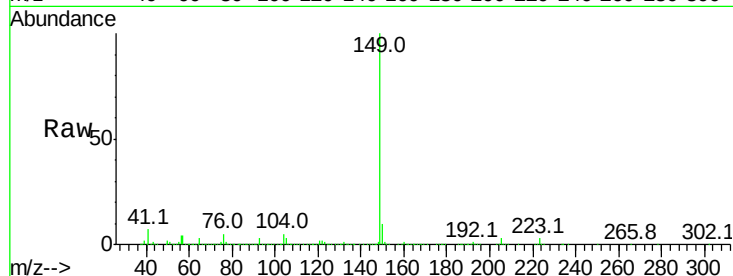
Tot Ion:149 Resp: 1880080

Ion Ratio Lower Upper

149 100

150 9.7 8.1 12.1

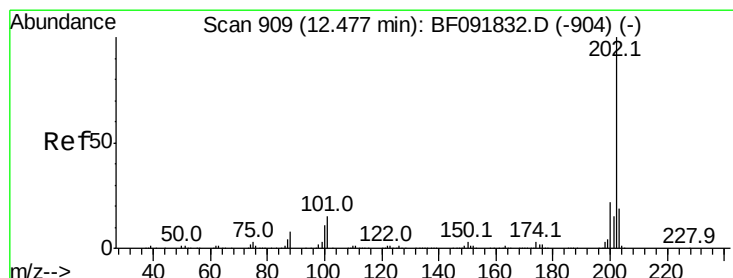
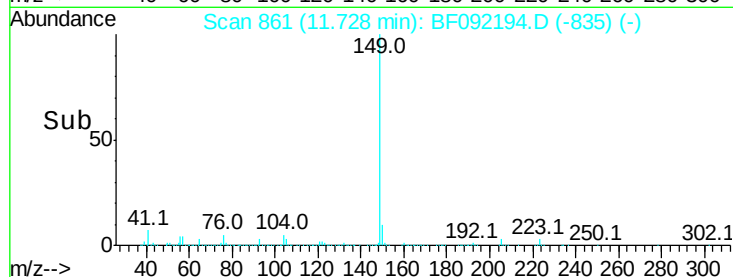
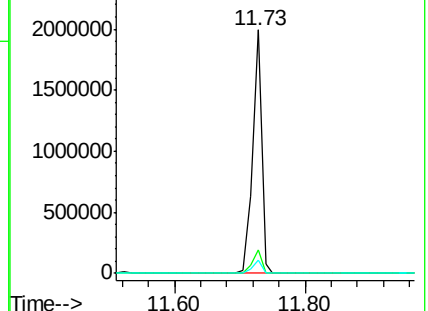
104 5.2 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 74.40 ng

RT: 12.37 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

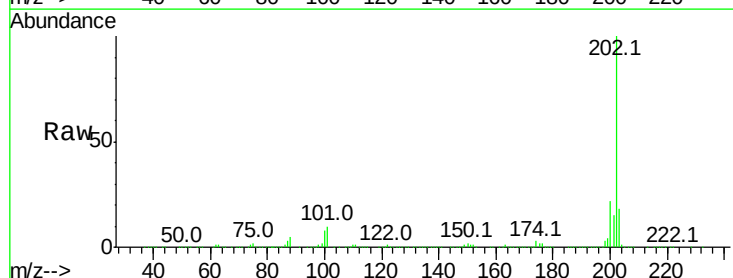
Tgt Ion:202 Resp: 2130479

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.6

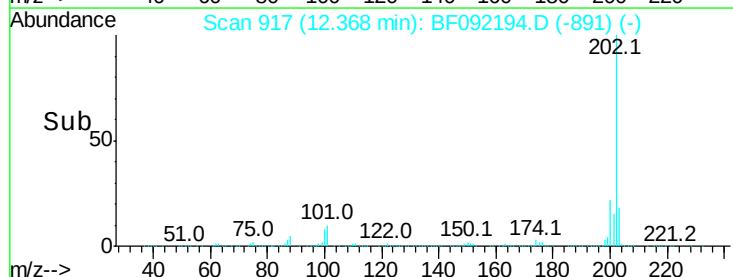
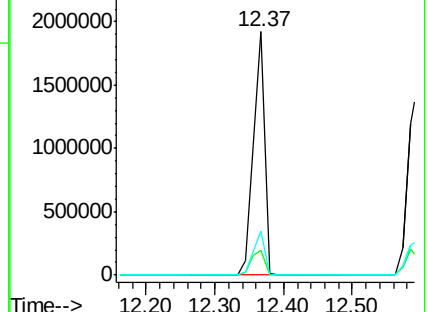
203 18.1 0.0 38.7

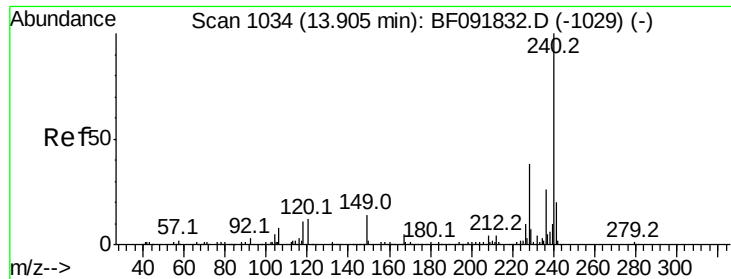


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

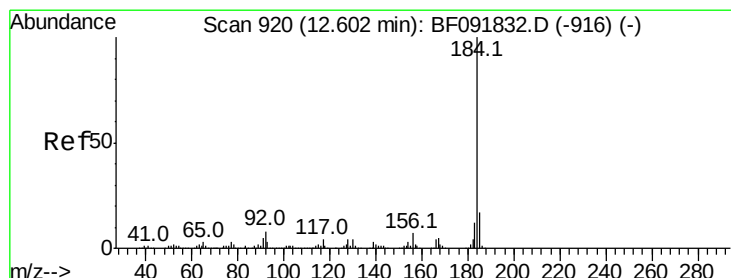
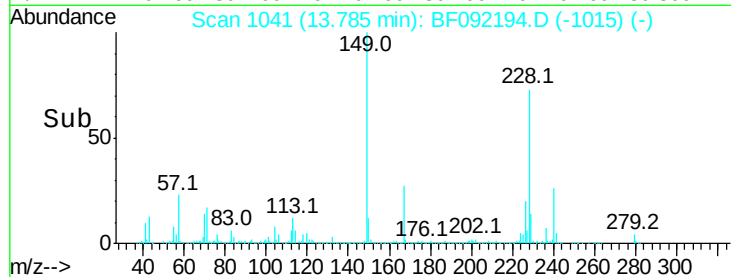
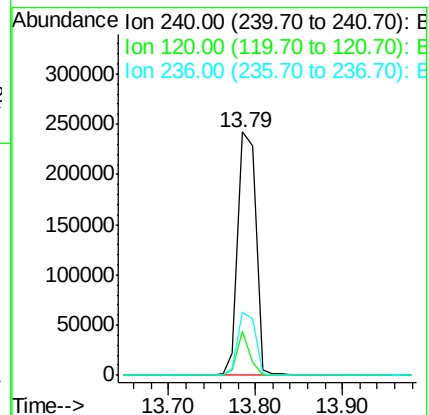
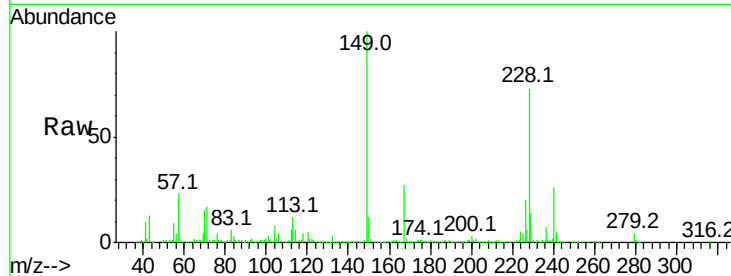
Tot Ion:240 Resp: 346799

Ion Ratio Lower Upper

240 100

120 17.8 12.9 19.3

236 26.0 20.9 31.3



#76

Benzidine

Concen: 9.96 ng

RT: 12.49 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

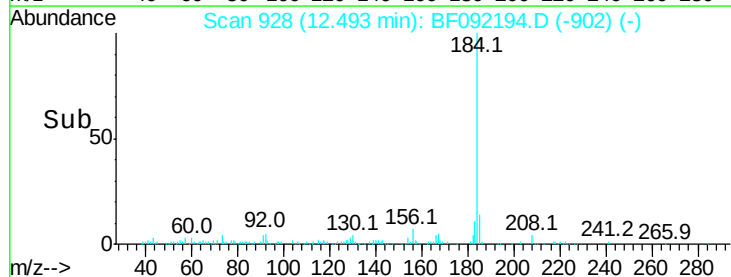
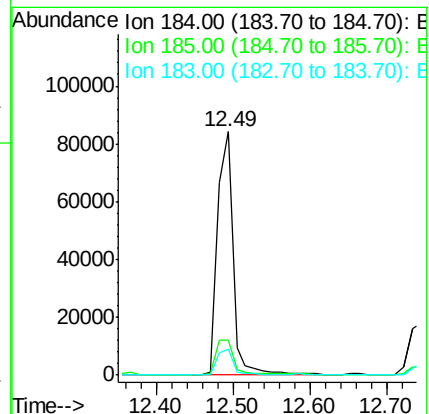
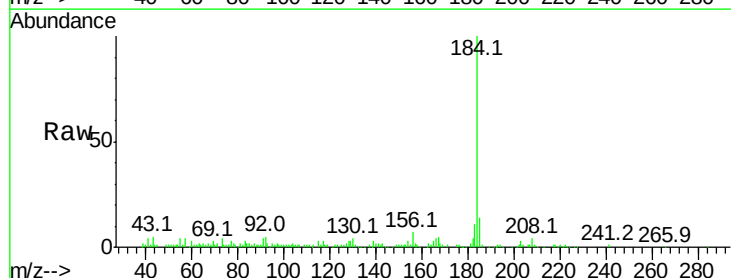
Tgt Ion:184 Resp: 118759

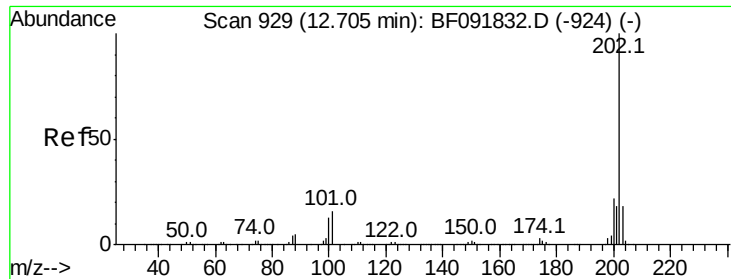
Ion Ratio Lower Upper

184 100

185 14.4 13.4 20.0

183 10.8 9.2 13.8

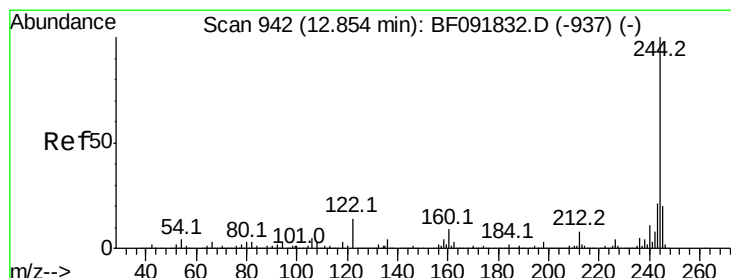
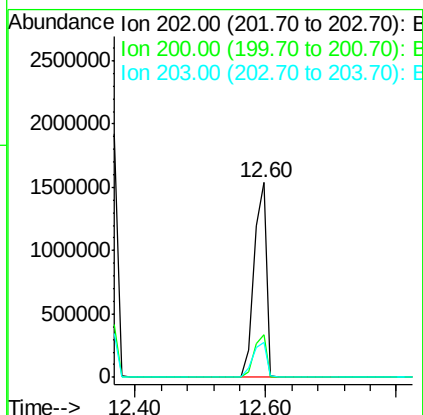
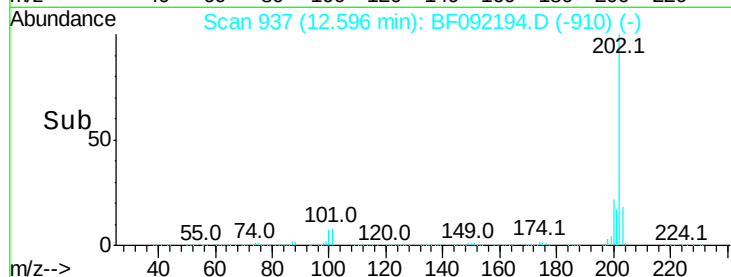
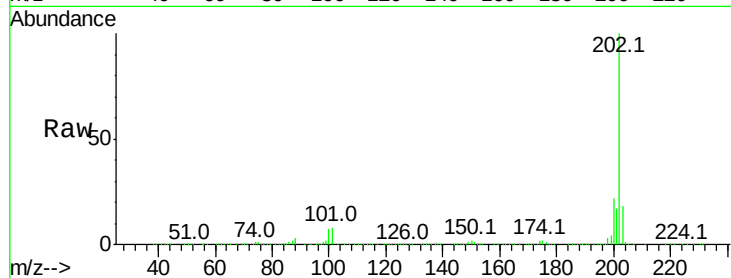




#77  
Pvrene  
Concen: 80.22 ng  
RT: 12.60 min Scan# 937  
Delta R.T. 0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

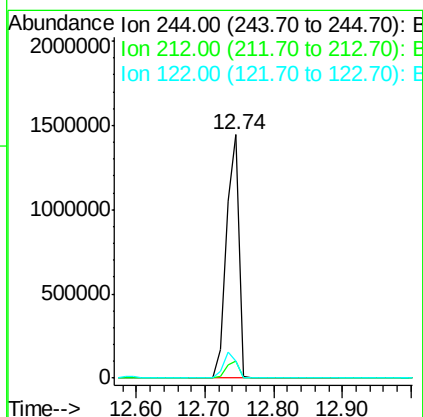
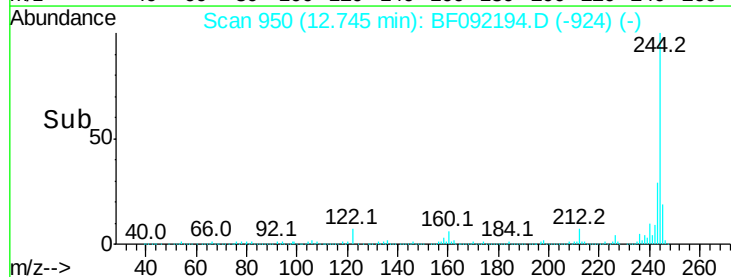
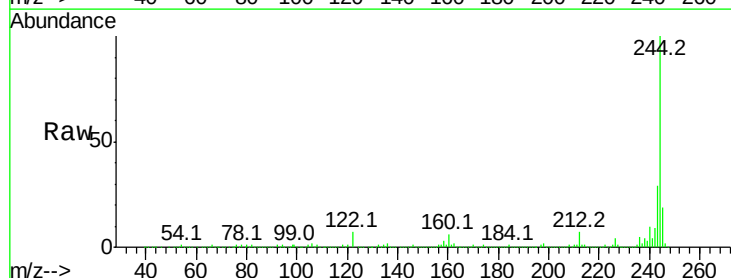
Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

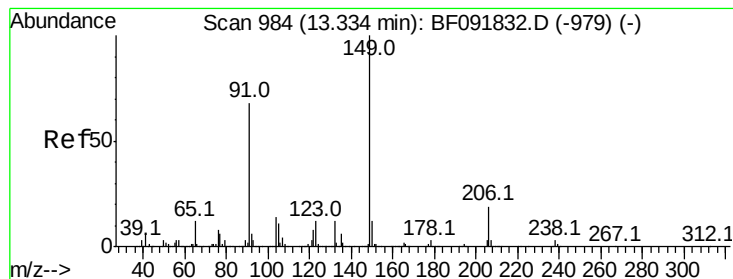
Tot Ion:202 Resp: 2041281  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.7 26.5  
203 17.7 14.7 22.1



#78  
Terphenyl-d14  
Concen: 128.93 ng  
RT: 12.74 min Scan# 950  
Delta R.T. -0.00 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:244 Resp: 1843620  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.2 9.2  
122 7.1 11.4 17.2#





#79

Butylbenzylphthalate

Concen: 62.41 ng

RT: 13.21 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

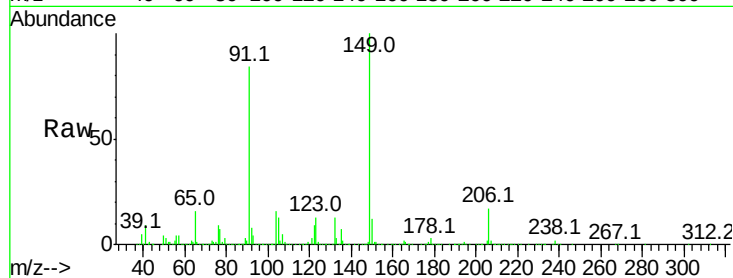
Tot Ion:149 Resp: 722253

Ion Ratio Lower Upper

149 100

91 83.6 63.9 95.9

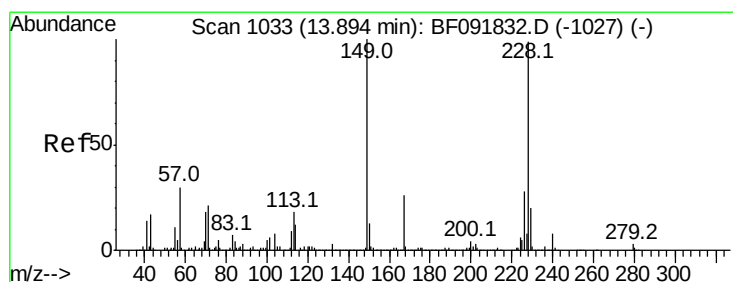
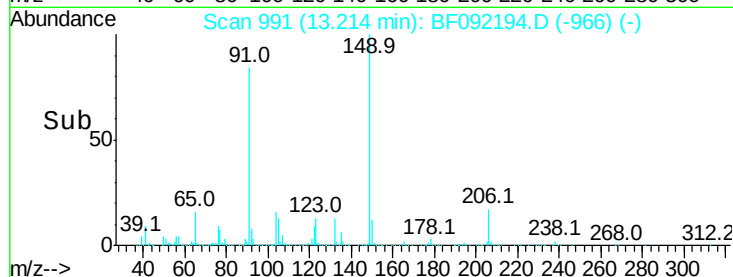
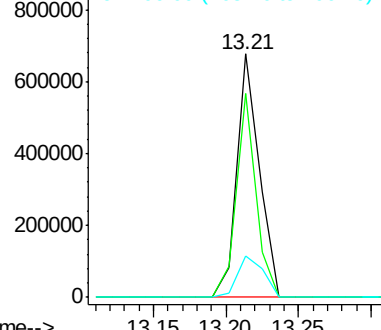
206 17.0 14.6 21.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 62.27 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

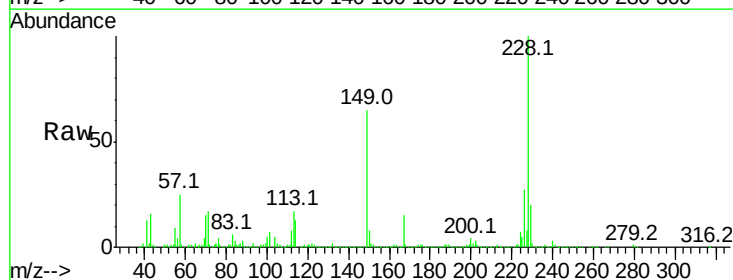
Tgt Ion:228 Resp: 1218991

Ion Ratio Lower Upper

228 100

226 27.2 22.4 33.6

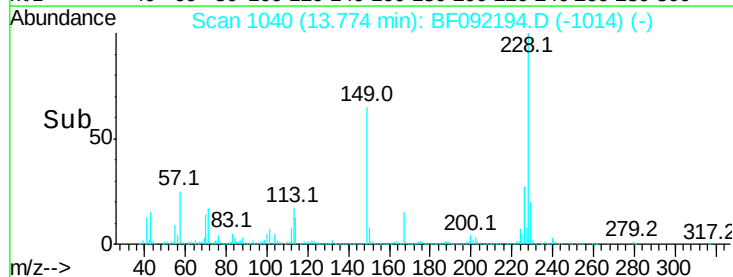
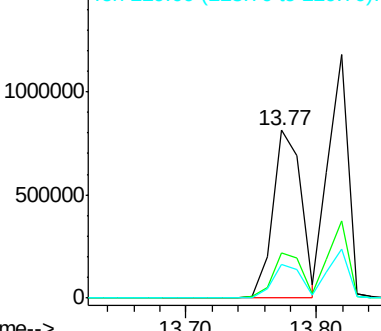
229 20.1 16.2 24.4

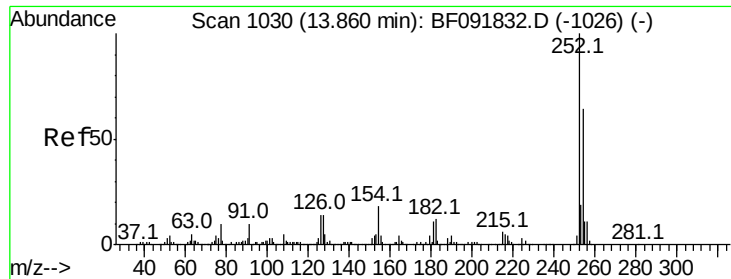


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

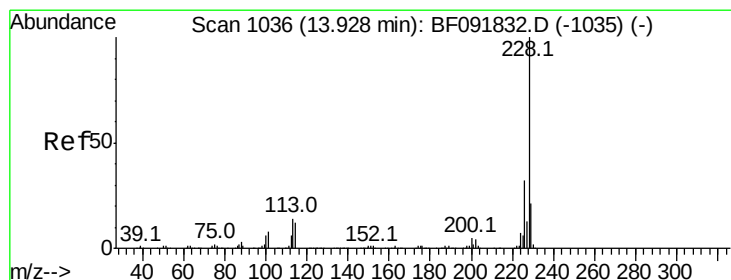
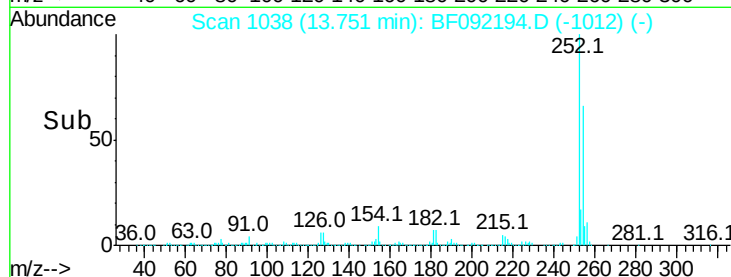
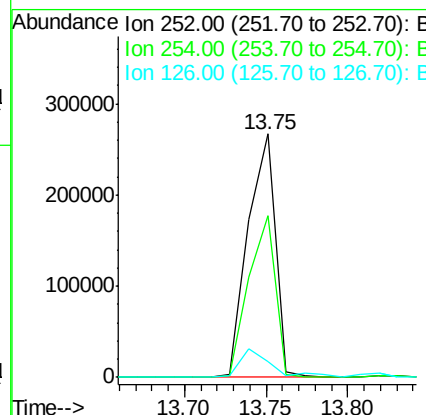
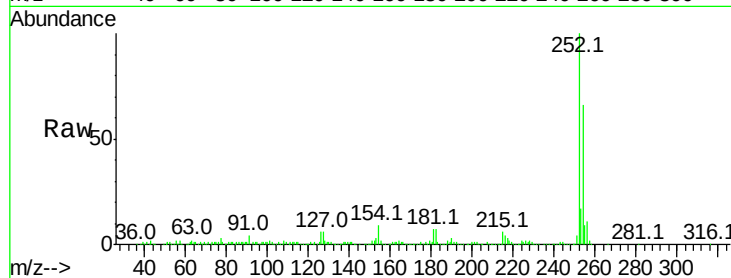




#81  
 3,3'-Dichlorobenzidine  
 Concen: 41.76 ng  
 RT: 13.75 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

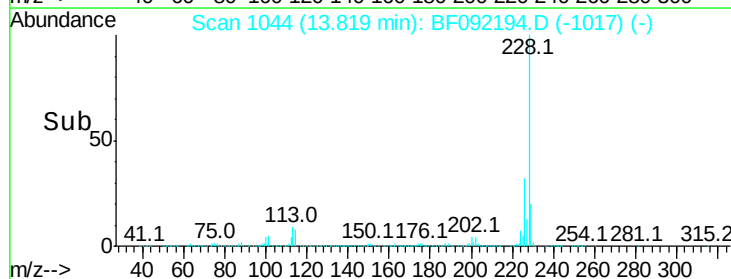
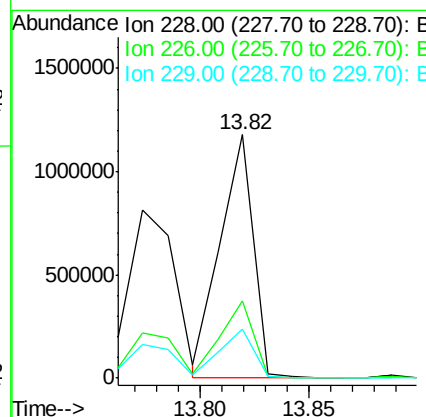
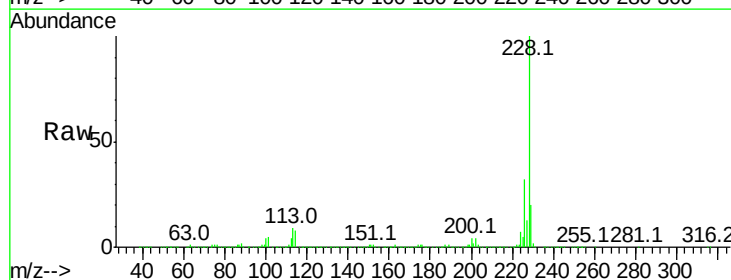
Instrument :  
 BNA\_F  
 ClientSampleId :  
 USDOT-617122-COMP-0-2MS

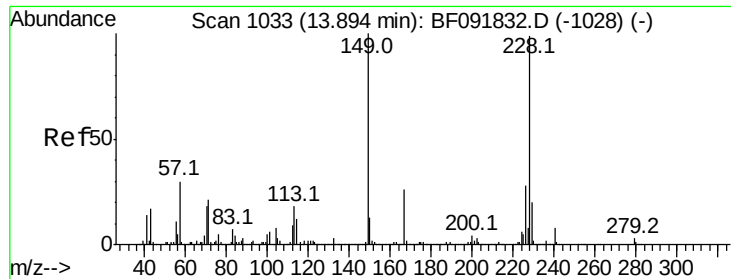
Tot Ion:252 Resp: 310015  
 Ion Ratio Lower Upper  
 252 100  
 254 66.5 52.3 78.5  
 126 6.4 13.6 20.4#



#82  
 Chrysene  
 Concen: 63.33 ng  
 RT: 13.82 min Scan# 1044  
 Delta R.T. 0.01 min  
 Lab File: BF092194.D  
 Acq: 10 Jan 2017 20:49

Tgt Ion:228 Resp: 1243507  
 Ion Ratio Lower Upper  
 228 100  
 226 31.7 25.4 38.0  
 229 20.2 16.2 24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 76.04 ng

RT: 13.79 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

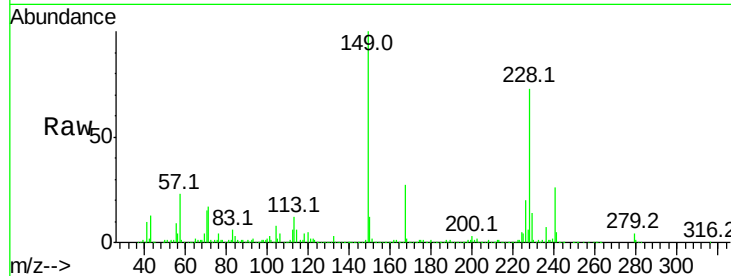
Tot Ion:149 Resp: 1036331

Ion Ratio Lower Upper

149 100

167 27.1 20.2 30.4

279 3.7 1.8 2.8#



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

1200000

1000000

800000

600000

400000

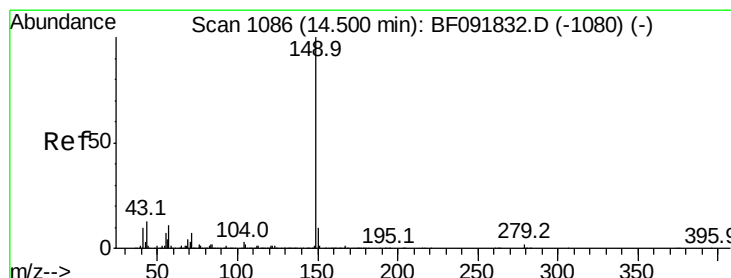
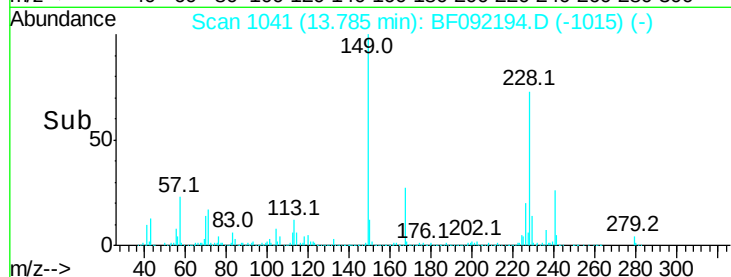
200000

0

13.79

Time-->

13.70 13.80 13.90



#84

Di-n-octyl phthalate

Concen: 63.05 ng

RT: 14.39 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

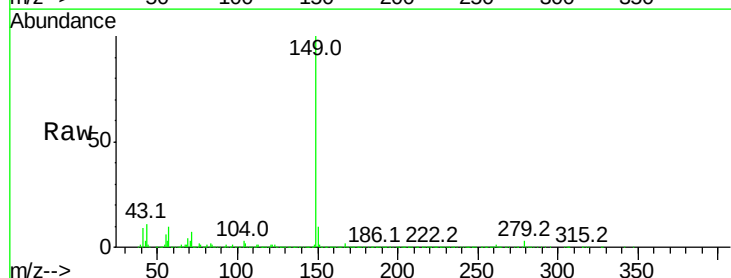
Tgt Ion:149 Resp: 1591784

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.3 8.9 13.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

2000000

1500000

1000000

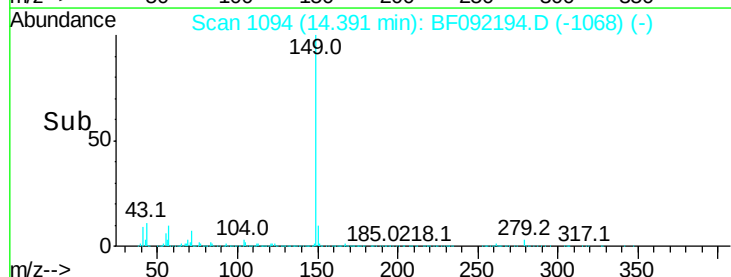
500000

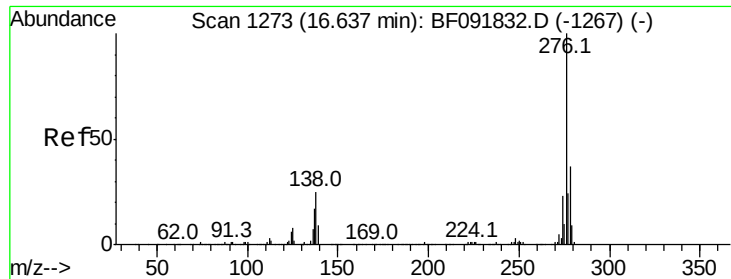
0

14.39

Time-->

14.30 14.40 14.50





#85

Indeno(1,2,3-cd)pyrene

Concen: 59.66 ng

RT: 16.45 min Scan# 1274

Delta R.T. 0.02 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

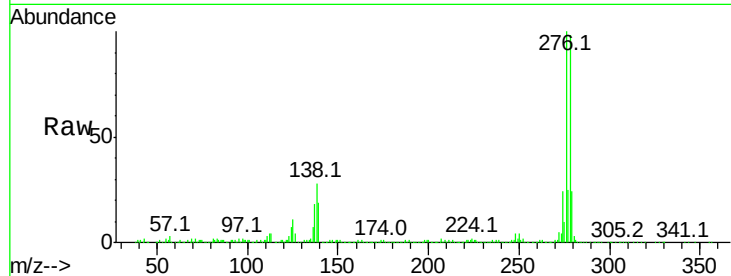
Tot Ion:276 Resp: 1014847

Ion Ratio Lower Upper

276 100

138 26.1 21.8 32.6

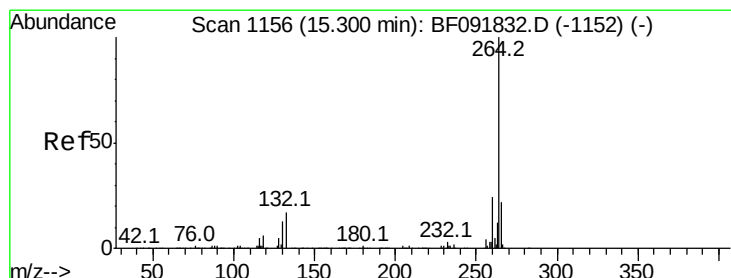
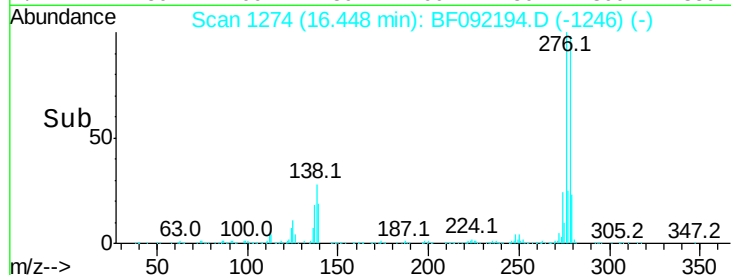
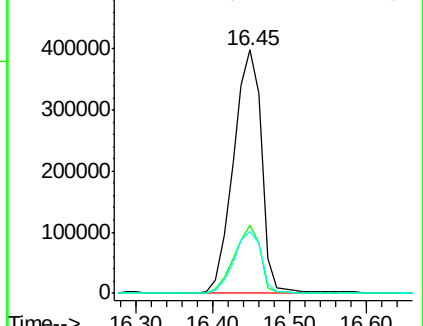
277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.16 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

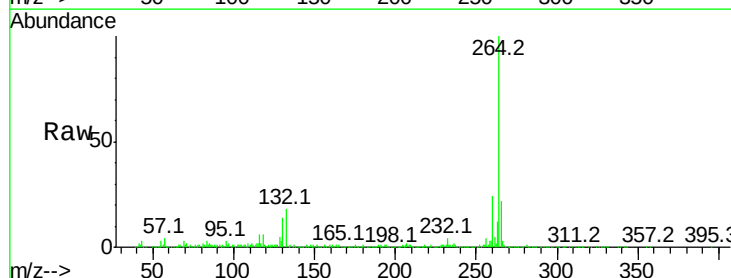
Tgt Ion:264 Resp: 335363

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

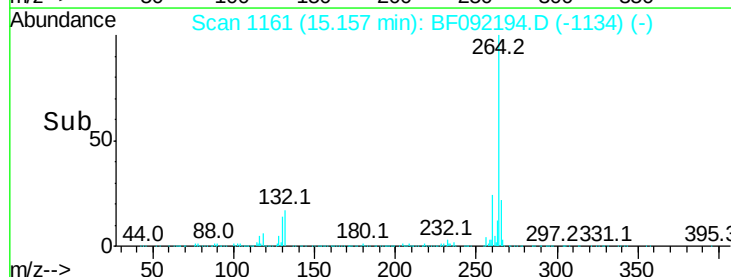
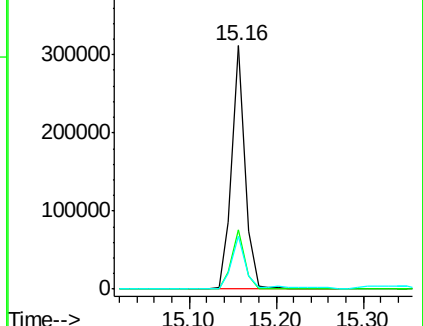
265 21.8 17.4 26.0

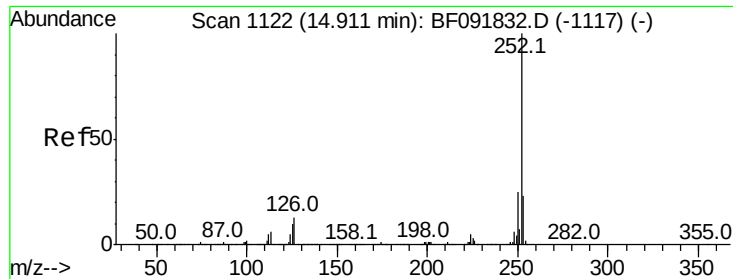


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 64.24 ng m

RT: 14.79 min Scan# 1129

Delta R.T. 0.01 min

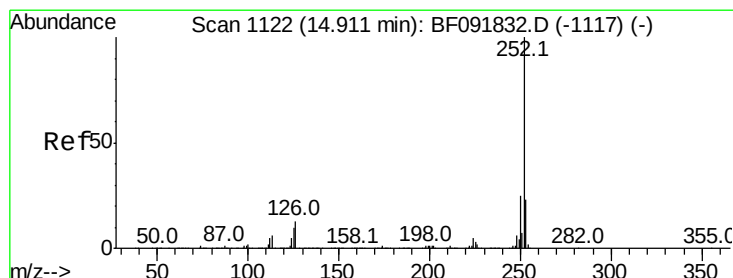
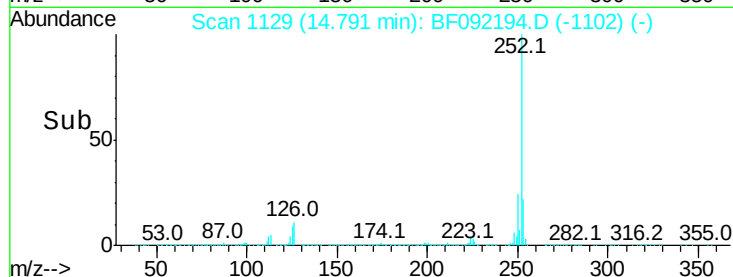
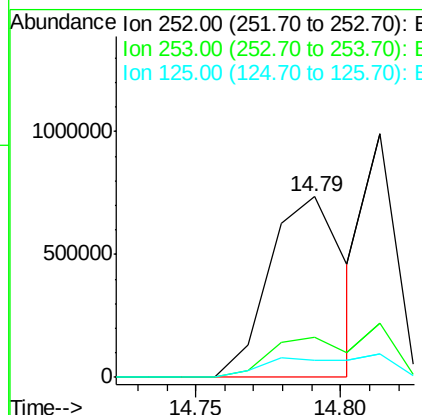
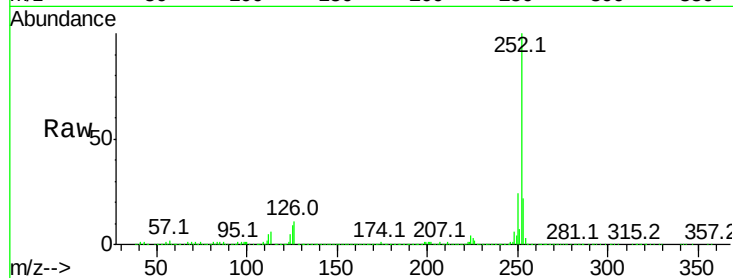
Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion:252 Resp: 1341220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.3  | 18.2  | 27.4  |
| 125 | 9.1   | 9.8   | 14.6# |



#88

Benzo(k)fluoranthene

Concen: 41.43 ng m

RT: 14.81 min Scan# 1131

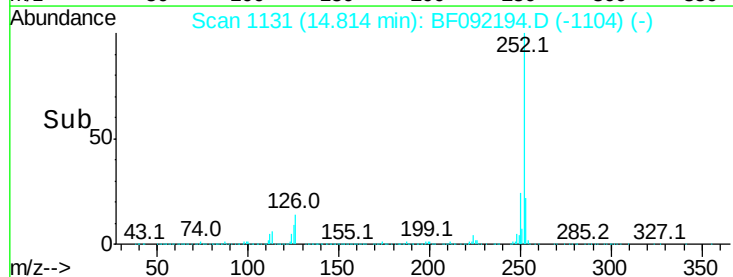
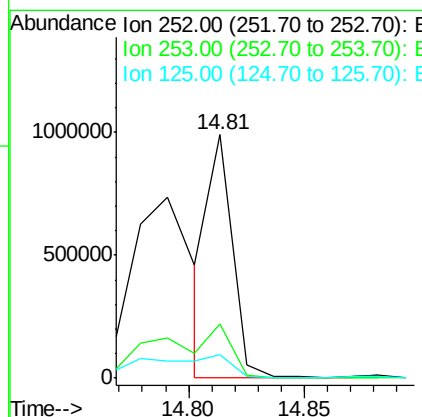
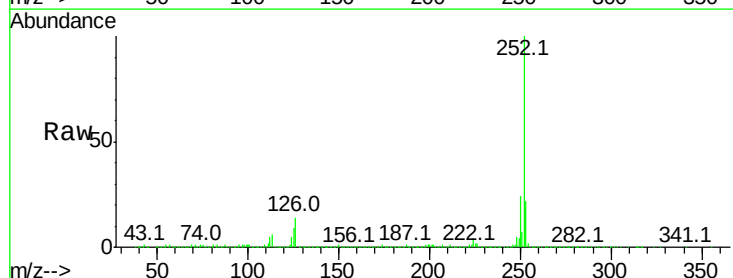
Delta R.T. 0.01 min

Lab File: BF092194.D

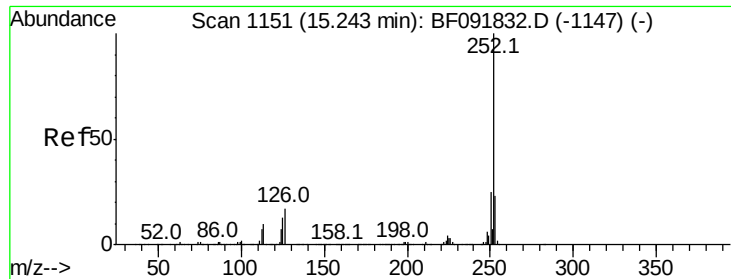
Acq: 10 Jan 2017 20:49

Tgt Ion:252 Resp: 737685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.4  | 18.5  | 27.7  |
| 125 | 9.5   | 8.9   | 13.3  |



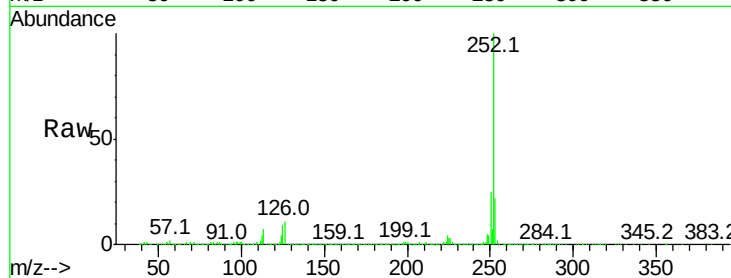




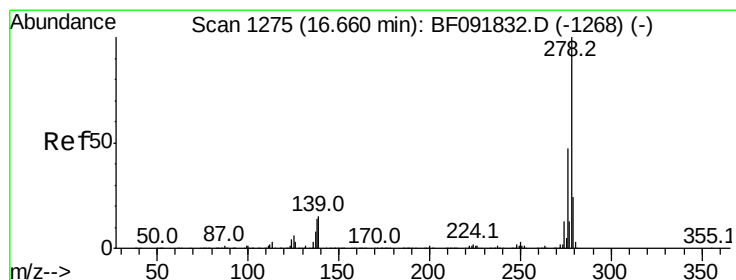
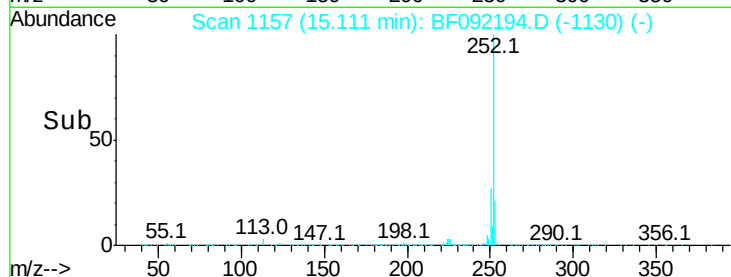
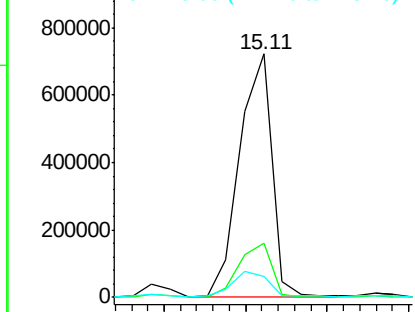
#89  
Benzo(a)pyrene  
Concen: 52.95 ng  
RT: 15.11 min Scan# 1157  
Delta R.T. 0.01 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Instrument :  
BNA\_F  
ClientSampleId :  
USDOT-617122-COMP-0-2MS

Tot Ion:252 Resp: 981168  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.2 27.2  
125 8.6 10.0 15.0#

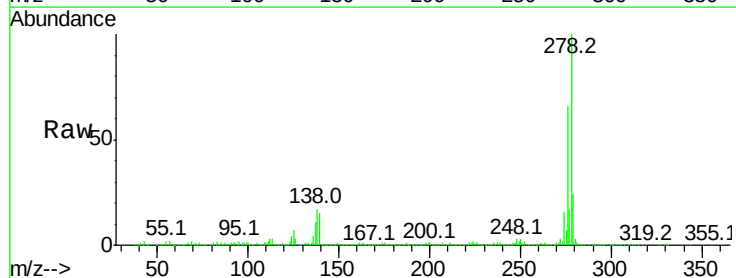


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

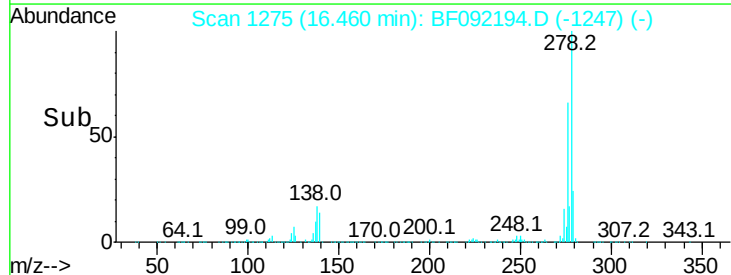
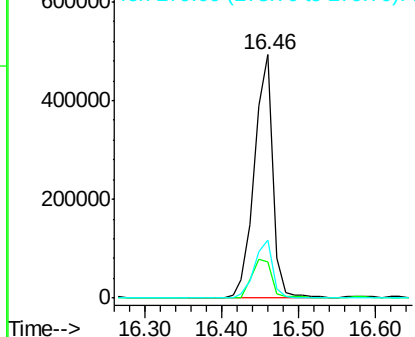


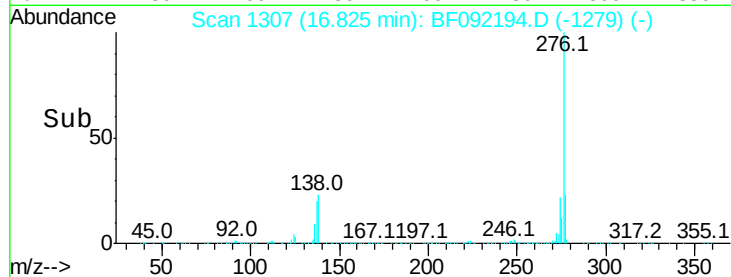
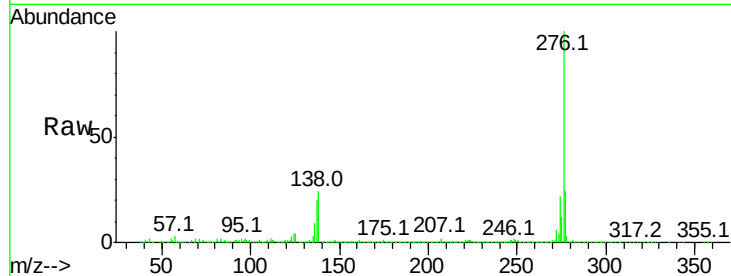
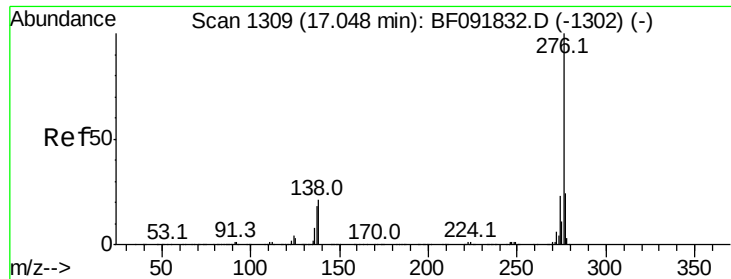
#90  
Dibenzo(a,h)anthracene  
Concen: 53.30 ng  
RT: 16.46 min Scan# 1275  
Delta R.T. 0.02 min  
Lab File: BF092194.D  
Acq: 10 Jan 2017 20:49

Tgt Ion:278 Resp: 811928  
Ion Ratio Lower Upper  
278 100  
139 14.7 14.8 22.2#  
279 24.0 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 56.70 ng

RT: 16.83 min Scan# 1307

Delta R.T. 0.02 min

Lab File: BF092194.D

Acq: 10 Jan 2017 20:49

Instrument :

BNA\_F

ClientSampleId :

USDOT-617122-COMP-0-2MS

Tot Ion:276 Resp: 898117

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 23.5 16.0 24.0

