

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\  
 Data File : BF091776.D  
 Acq On : 19 Dec 2016 12:17  
 Operator : UM/SJ  
 Sample : H6125-02MSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Quant Time: Dec 19 17:47:01 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 17 22:53:54 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 229107   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.04  | 136  | 908189   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.80  | 164  | 486971   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.28 | 188  | 774791   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.92 | 240  | 439875   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.31 | 264  | 452150   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.37  | 112 | 1770342 | 129.46 | ng | 0.00  |
| 7) Phenol-d6                | 6.42  | 99  | 2357037 | 141.33 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.33  | 82  | 1592167 | 101.10 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330 | 503340  | 121.89 | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.13  | 172 | 2231968 | 92.08  | ng | -0.01 |
| 78) Terphenyl-d14           | 12.87 | 244 | 1810179 | 103.91 | ng | -0.01 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.35 | 88  | 267291  | 39.69 | ng | 98     |
| 3) Pyridine                    | 3.04 | 79  | 875077  | 40.33 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 2.99 | 42  | 430625  | 51.29 | ng | 96     |
| 6) Aniline                     | 6.43 | 93  | 461445  | 21.50 | ng | # 19   |
| 8) 2-Chlorophenol              | 6.56 | 128 | 725031  | 48.17 | ng | 84     |
| 9) Benzaldehyde                | 6.30 | 77  | 120159  | 9.53  | ng | 96     |
| 10) Phenol                     | 6.43 | 94  | 1118748 | 59.51 | ng | 79     |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93  | 716776  | 47.74 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146 | 746350  | 45.15 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.77 | 146 | 738901  | 44.18 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.93 | 146 | 706322  | 48.21 | ng | 100    |
| 15) Benzyl Alcohol             | 6.91 | 79  | 587300  | 45.48 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45  | 991344  | 43.21 | ng | 98     |
| 17) 2-Methylphenol             | 7.04 | 107 | 635441  | 50.52 | ng | 97     |
| 18) Hexachloroethane           | 7.28 | 117 | 285368  | 45.92 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70  | 501890  | 45.24 | ng | 97     |
| 20) 3+4-Methylphenols          | 7.18 | 107 | 716547  | 51.07 | ng | 93     |
| 22) Acetophenone               | 7.17 | 105 | 1020322 | 46.53 | ng | 96     |
| 24) Nitrobenzene               | 7.34 | 77  | 730424  | 43.19 | ng | 97     |
| 25) Isophorone                 | 7.60 | 82  | 1493867 | 49.72 | ng | 99     |
| 26) 2-Nitrophenol              | 7.66 | 139 | 387851  | 47.54 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 7.71 | 122 | 653836  | 49.13 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93  | 872866  | 49.65 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.92 | 162 | 635515  | 51.77 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.98 | 180 | 628342  | 47.23 | ng | # 95   |
| 31) Naphthalene                | 8.06 | 128 | 1984325 | 45.73 | ng | 99     |
| 32) Benzoic acid               | 7.80 | 122 | 77399   | 8.16  | ng | 98     |
| 33) 4-Chloroaniline            | 8.12 | 127 | 259099  | 14.18 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.19 | 225 | 341689  | 45.68 | ng | 98     |
| 35) Caprolactam                | 8.50 | 113 | 199681m | 50.56 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.62 | 107 | 725867  | 53.60 | ng | 90     |
| 37) 2-Methylnaphthalene        | 8.76 | 142 | 1322038 | 48.33 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 578996  | 47.70 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 8.92 | 237 | 368630  | 71.65 | ng | 98     |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

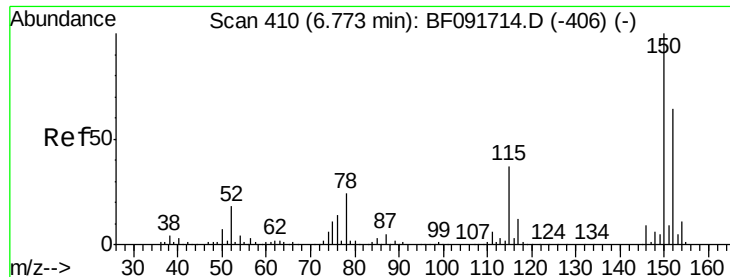
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Quant Time: Dec 19 17:47:01 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 17 22:53:54 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.05  | 196  | 450054   | 51.89 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.09  | 196  | 419224   | 49.20 | nq    | # 91     |
| 45) 1,1'-Biphenyl              | 9.23  | 154  | 1712310  | 49.06 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 9.25  | 162  | 1254547  | 48.10 | nq    | 99       |
| 47) 2-Nitroaniline             | 9.34  | 65   | 397125   | 44.59 | nq    | 97       |
| 48) Acenaphthylene             | 9.66  | 152  | 1907507  | 47.20 | nq    | 99       |
| 49) Dimethylphthalate          | 9.54  | 163  | 2027720  | 63.75 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 363498   | 52.12 | nq    | 97       |
| 51) Acenaphthene               | 9.84  | 154  | 1271321  | 45.83 | nq    | 99       |
| 52) 3-Nitroaniline             | 9.76  | 138  | 193105   | 22.24 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 9.87  | 184  | 110546   | 29.34 | nq    | 99       |
| 54) Dibenzofuran               | 10.01 | 168  | 1647382  | 49.95 | nq    | 99       |
| 55) 4-Nitrophenol              | 9.94  | 139  | 493656   | 81.86 | nq    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 424946   | 48.78 | nq    | 94       |
| 57) Fluorene                   | 10.35 | 166  | 1296490  | 50.60 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.13 | 232  | 356773   | 50.65 | nq    | 99       |
| 59) Diethylphthalate           | 10.24 | 149  | 1526440  | 48.82 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204  | 523879   | 44.89 | nq    | 98       |
| 61) 4-Nitroaniline             | 10.37 | 138  | 303470   | 36.89 | nq    | 98       |
| 62) Azobenzene                 | 10.50 | 77   | 1519307  | 45.67 | nq    | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 167511   | 32.78 | nq    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.46 | 169  | 1177498  | 48.94 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 10.83 | 248  | 382958   | 47.14 | nq    | 97       |
| 67) Hexachlorobenzene          | 10.90 | 284  | 418827   | 49.19 | nq    | 97       |
| 68) Atrazine                   | 10.99 | 200  | 362024   | 49.79 | nq    | 96       |
| 69) Pentachlorophenol          | 11.09 | 266  | 411076   | 89.48 | nq    | 99       |
| 70) Phenanthrene               | 11.31 | 178  | 2002454  | 51.72 | nq    | 99       |
| 71) Anthracene                 | 11.36 | 178  | 1744394  | 42.54 | nq    | 99       |
| 72) Carbazole                  | 11.52 | 167  | 1770350  | 49.37 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.85 | 149  | 1948700  | 42.39 | nq    | 100      |
| 74) Fluoranthene               | 12.49 | 202  | 1753631  | 43.37 | nq    | 99       |
| 76) Benzidine                  | 12.61 | 184  | 363379   | 28.70 | nq    | 97       |
| 77) Pyrene                     | 12.72 | 202  | 1715329  | 54.00 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.35 | 149  | 829011   | 55.76 | nq    | # 82     |
| 80) Benzo(a)anthracene         | 13.91 | 228  | 1182709  | 47.01 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.87 | 252  | 327958   | 32.58 | nq    | # 96     |
| 82) Chrysene                   | 13.94 | 228  | 1209762  | 46.39 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149  | 928915   | 49.25 | nq    | # 97     |
| 84) Di-n-octyl phthalate       | 14.51 | 149  | 1498041  | 43.10 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.66 | 276  | 1382863  | 53.93 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 14.91 | 252  | 1413320m | 49.29 | nq    |          |
| 88) Benzo(k)fluoranthene       | 14.95 | 252  | 879219m  | 43.70 | nq    |          |
| 89) Benzo(a)pyrene             | 15.25 | 252  | 1118513  | 45.45 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 16.67 | 278  | 1118919  | 52.16 | nq    | 100      |
| 91) Benzo(g,h,i)perylene       | 17.06 | 276  | 1212529  | 55.62 | nq    | # 95     |

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



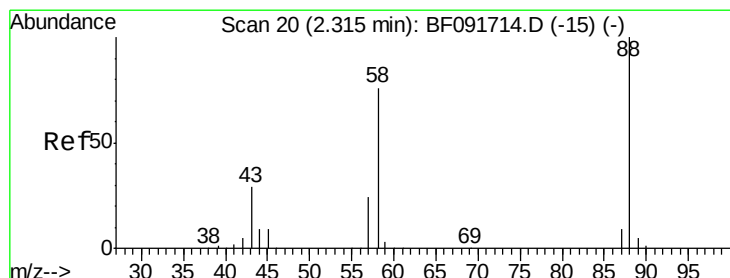
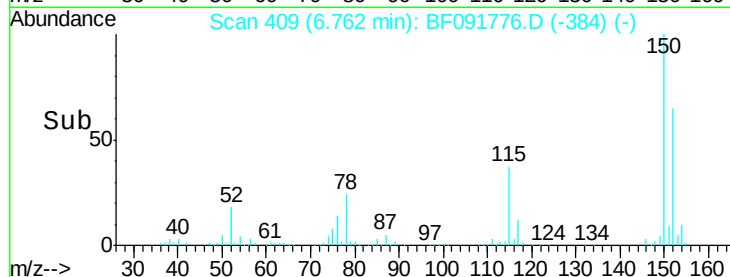
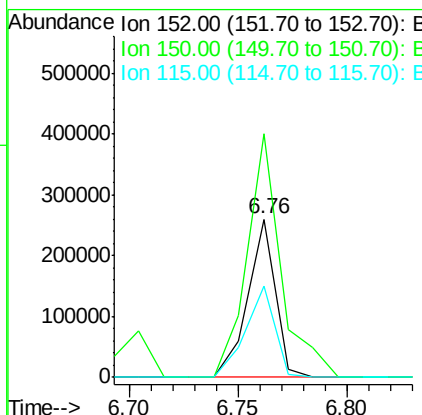
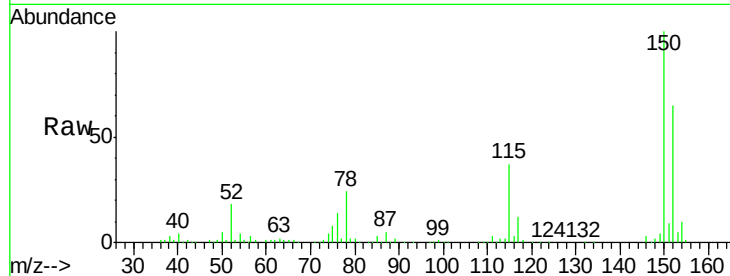


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.76 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

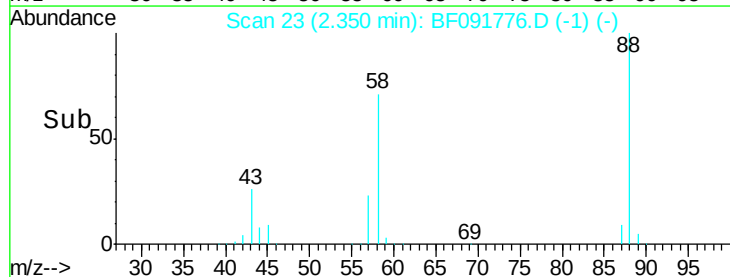
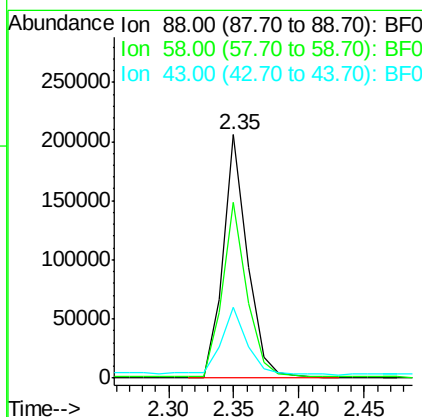
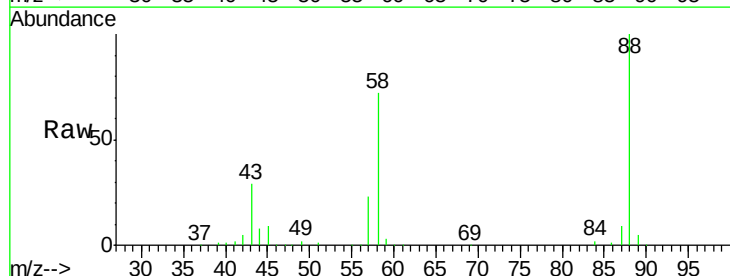
Tot Ion:152 Resp: 229107  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.9 187.3  
115 57.6 46.0 69.0

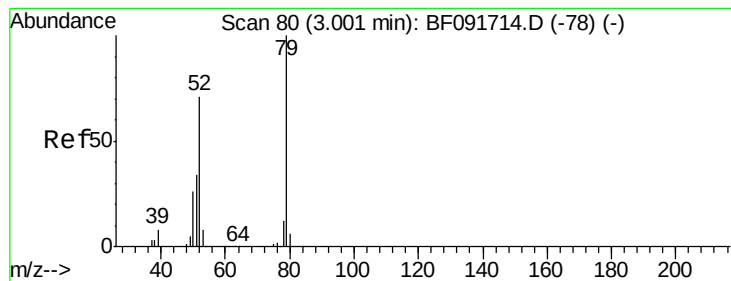


#2

1,4-Dioxane  
Concen: 39.69 ng  
RT: 2.35 min Scan# 23  
Delta R.T. 0.03 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion: 88 Resp: 267291  
Ion Ratio Lower Upper  
88 100  
58 73.3 57.8 86.8  
43 29.6 22.3 33.5





#3

Pvridine

Concen: 40.33 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.03 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

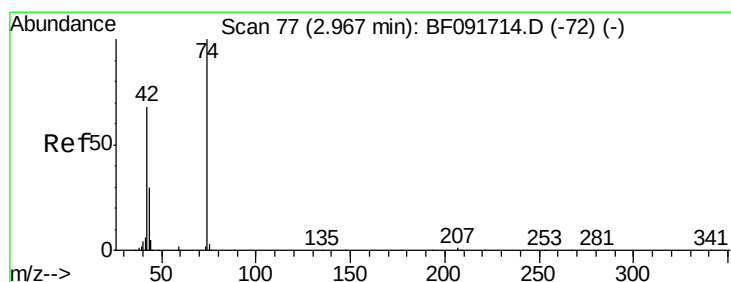
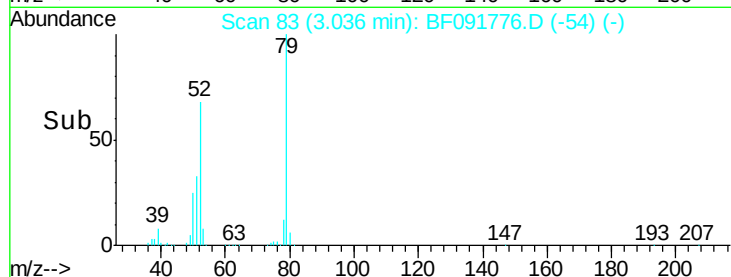
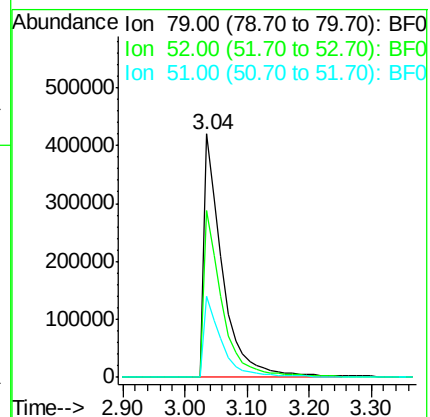
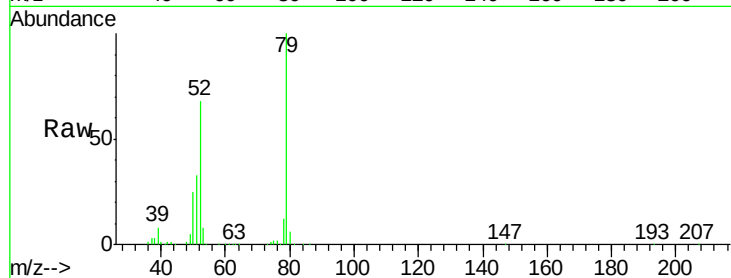
Tot Ion: 79 Resp: 875077

Ion Ratio Lower Upper

79 100

52 68.4 57.1 85.7

51 33.0 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 51.29 ng

RT: 2.99 min Scan# 79

Delta R.T. 0.02 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

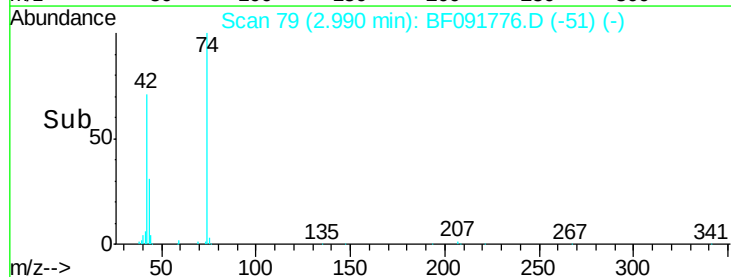
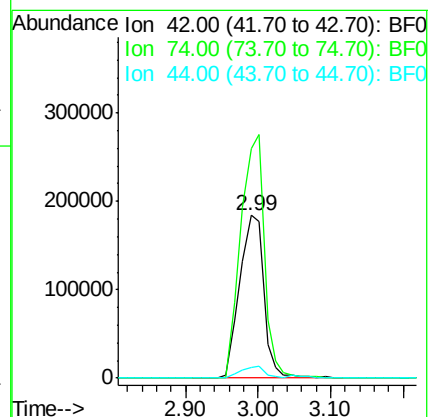
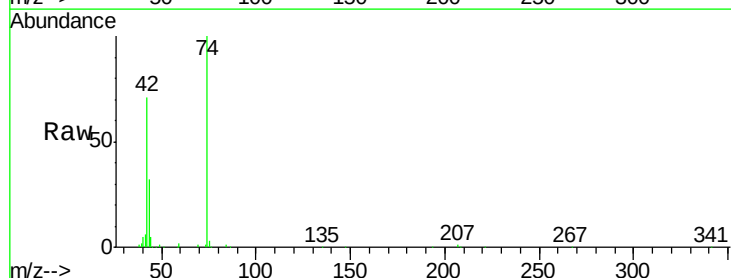
Tgt Ion: 42 Resp: 430625

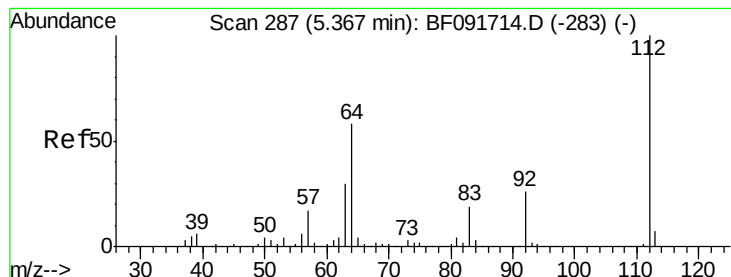
Ion Ratio Lower Upper

42 100

74 141.4 117.0 175.4

44 6.7 5.5 8.3





#5

2-Fluorophenol

Concen: 129.46 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

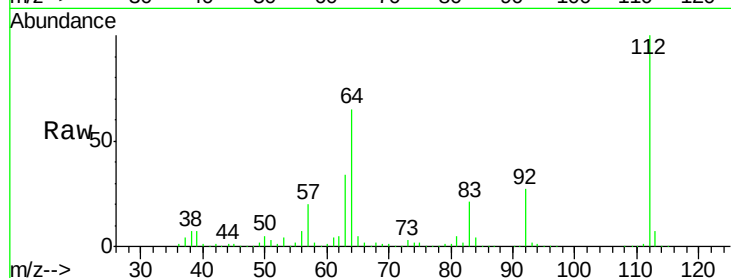
Tot Ion:112 Resp: 1770342

Ion Ratio Lower Upper

112 100

64 65.0 46.1 69.1

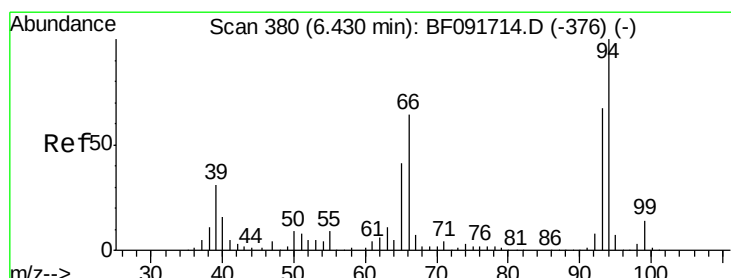
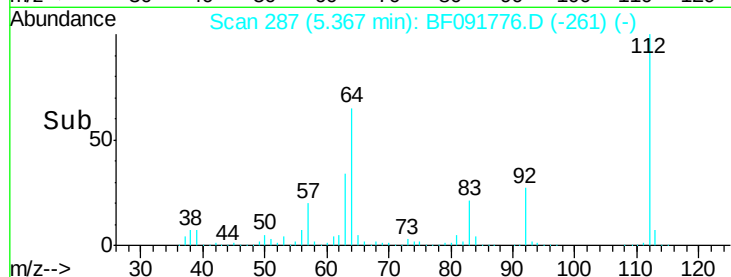
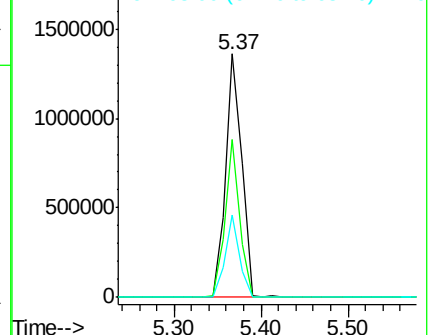
63 34.0 23.8 35.6



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: 21.50 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

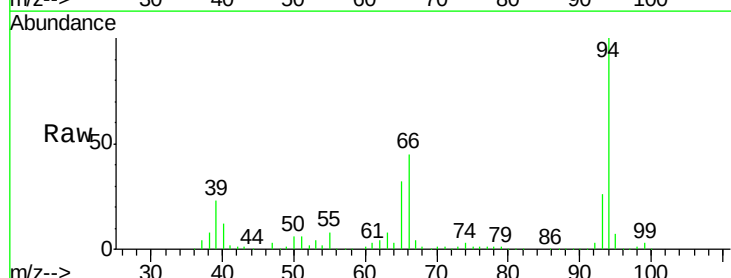
Tgt Ion: 93 Resp: 461445

Ion Ratio Lower Upper

93 100

66 173.9 76.2 114.2#

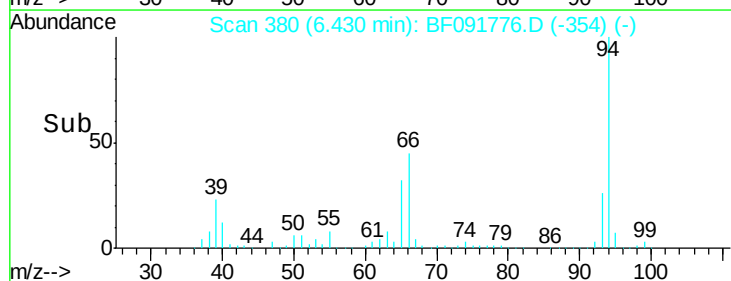
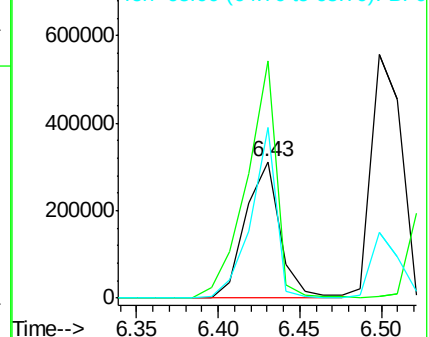
65 124.6 49.3 73.9#

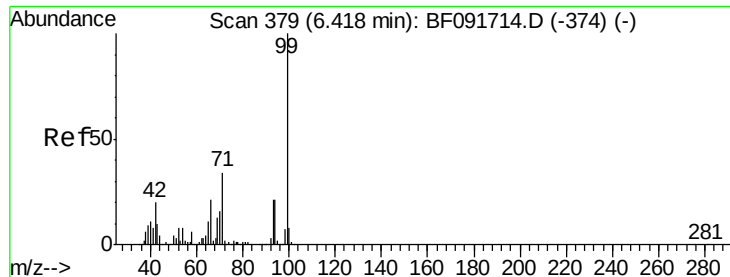


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 141.33 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

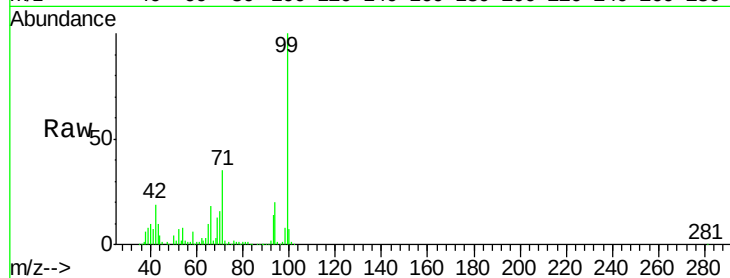
Tot Ion: 99 Resp: 2357037

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

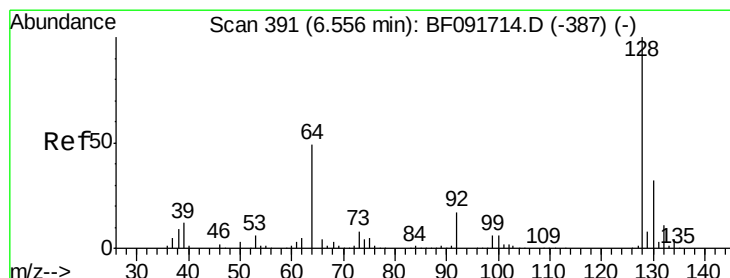
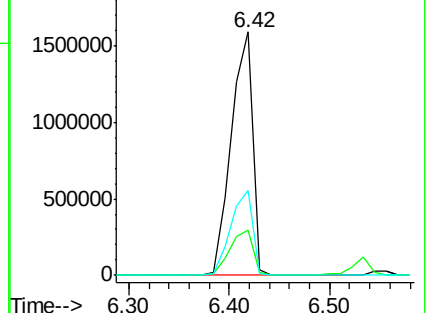
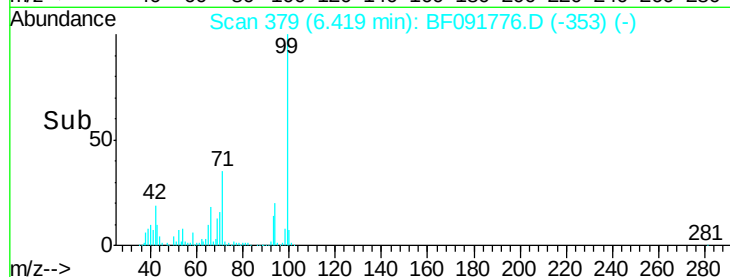
71 34.8 27.5 41.3



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: 48.17 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

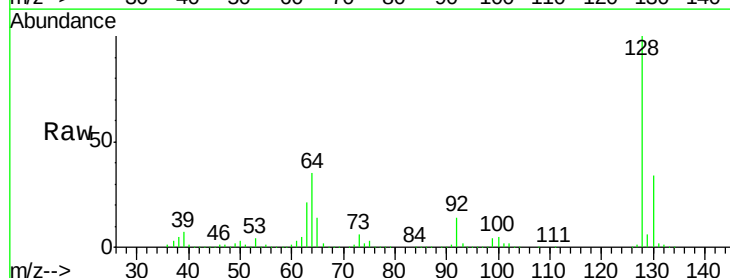
Tgt Ion: 128 Resp: 725031

Ion Ratio Lower Upper

128 100

130 34.1 12.3 52.3

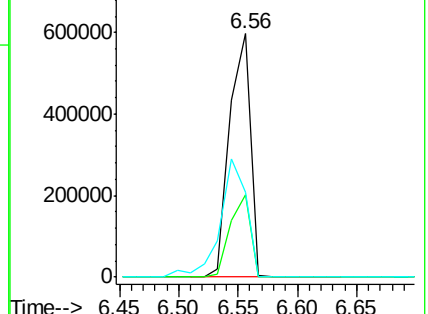
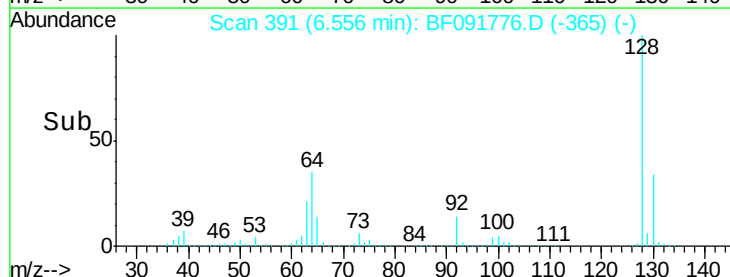
64 34.9 32.2 72.2



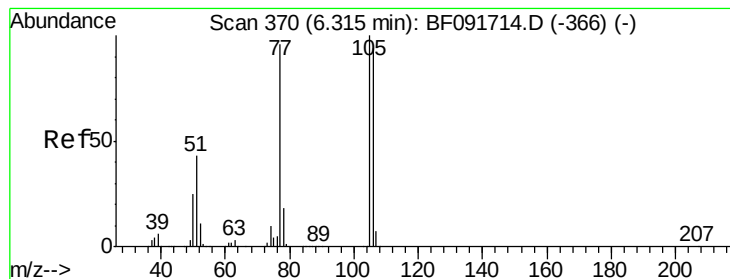
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0







#9

Benzaldehyde

Concen: 9.53 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

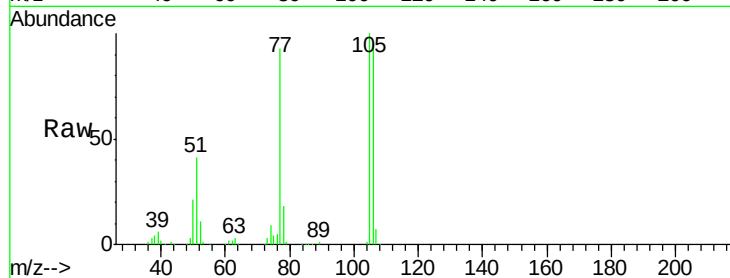
Tot Ion: 77 Resp: 120159

Ion Ratio Lower Upper

77 100

105 107.8 83.9 123.9

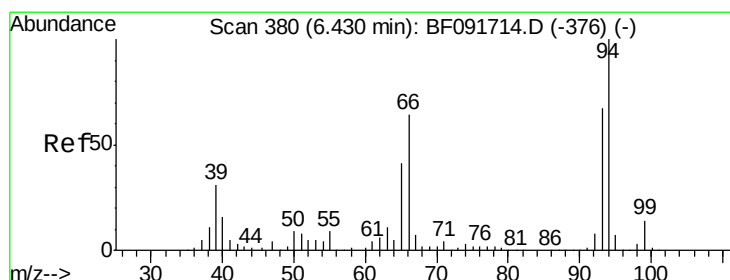
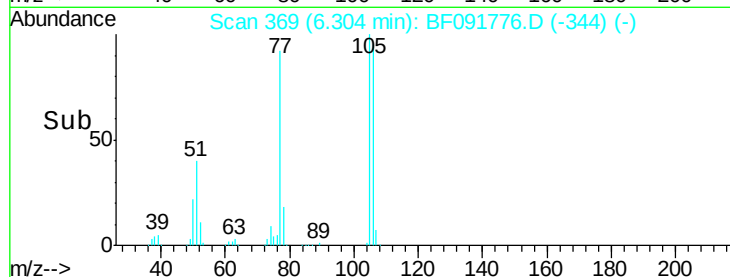
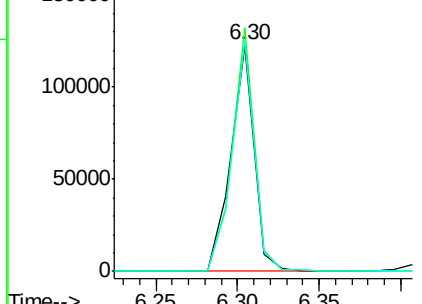
106 102.4 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 59.51 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

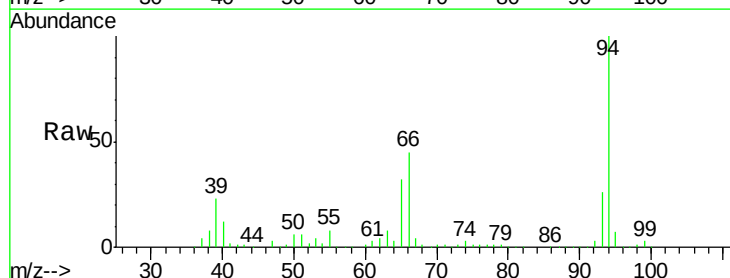
Tgt Ion: 94 Resp: 1118748

Ion Ratio Lower Upper

94 100

65 32.0 21.4 61.4

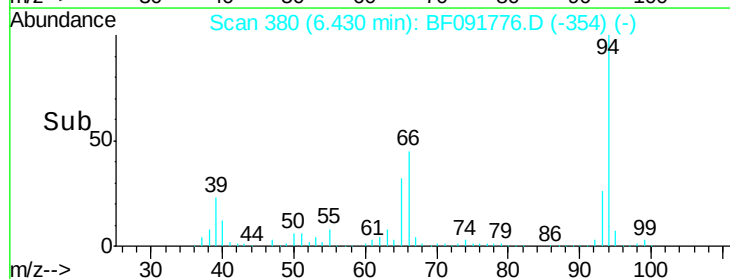
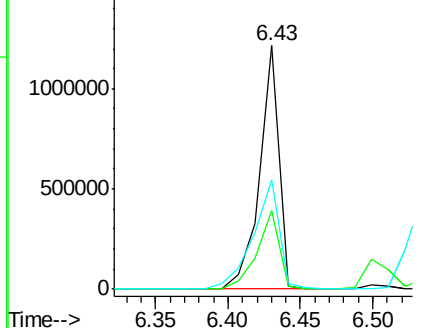
66 44.7 44.0 84.0



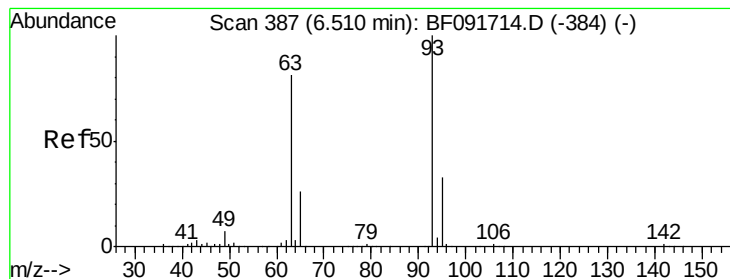
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0







#11

bis(2-Chloroethyl)ether

Concen: 47.74 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

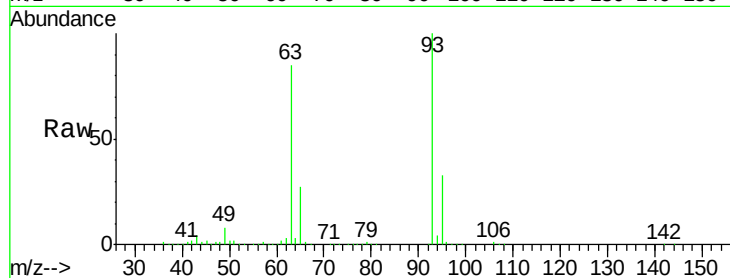
Tot Ion: 93 Resp: 716776

Ion Ratio Lower Upper

93 100

63 85.1 60.4 100.4

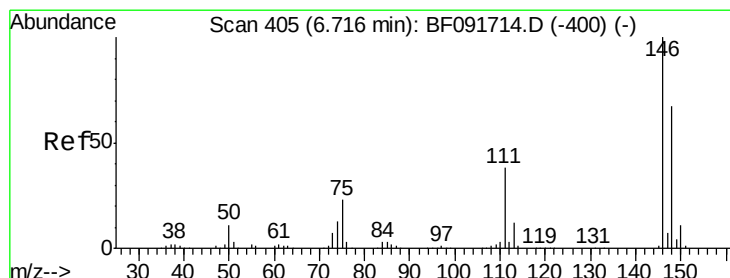
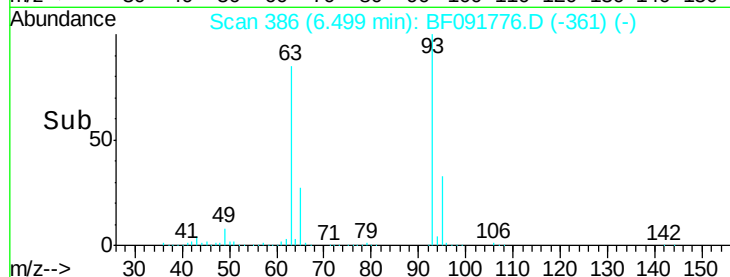
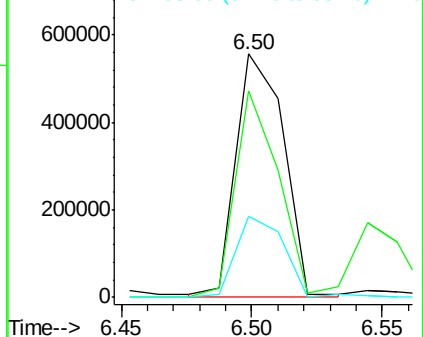
95 33.1 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 45.15 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

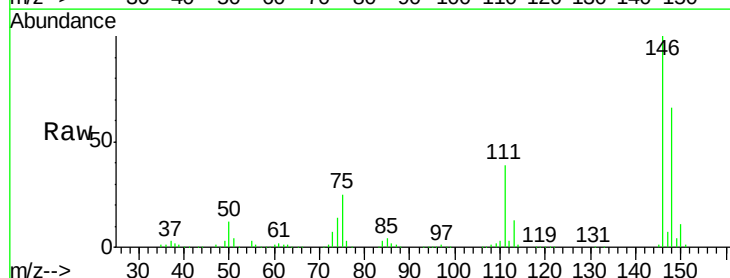
Tgt Ion: 146 Resp: 746350

Ion Ratio Lower Upper

146 100

148 66.3 53.4 80.0

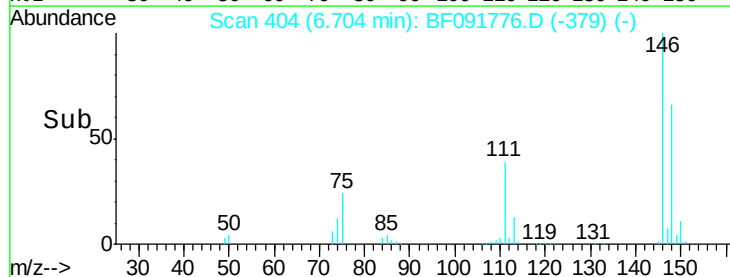
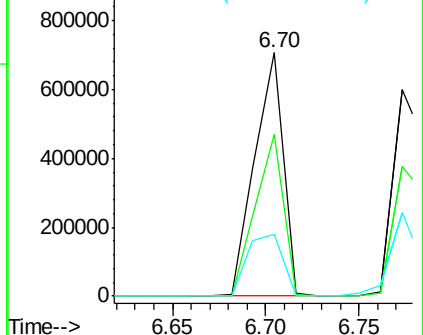
75 25.3 18.5 27.7

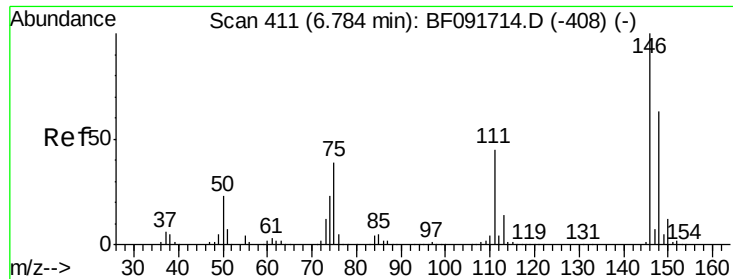


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

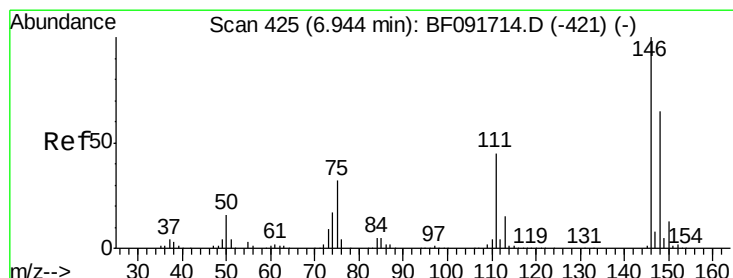
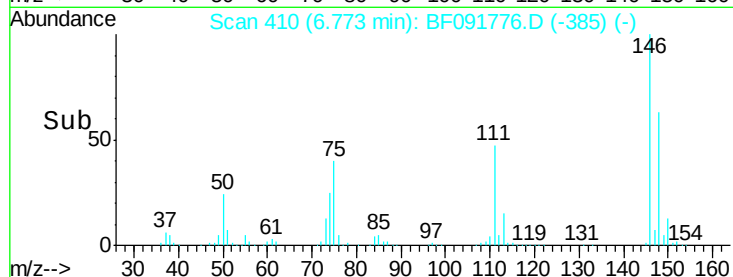
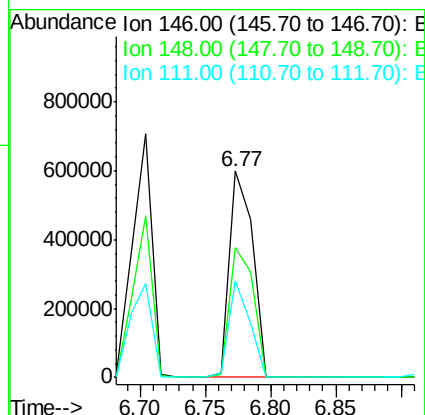
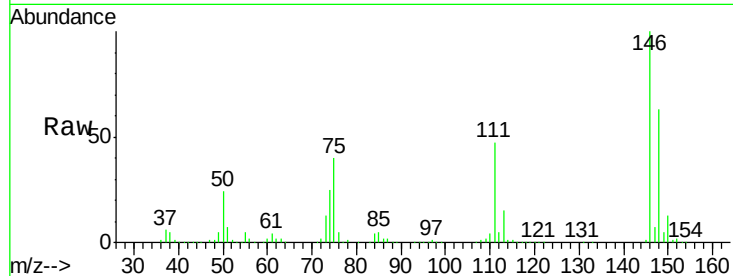




#13  
 1,4-Dichlorobenzene  
 Concen: 44.18 ng  
 RT: 6.77 min Scan# 410  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

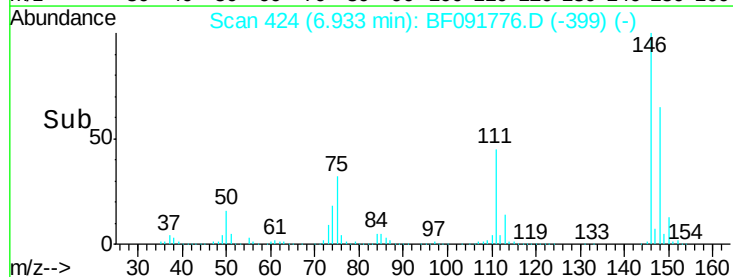
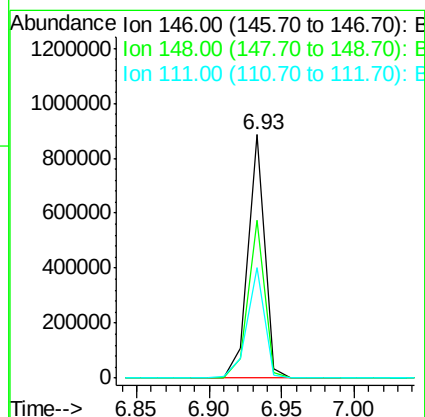
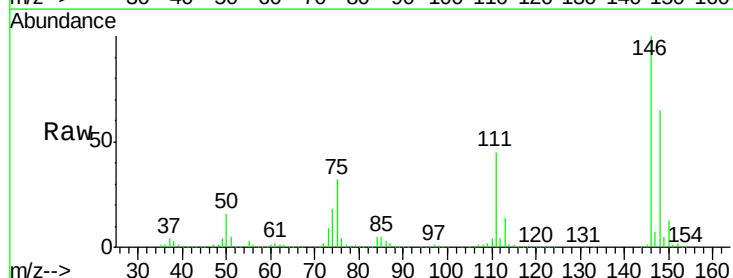
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

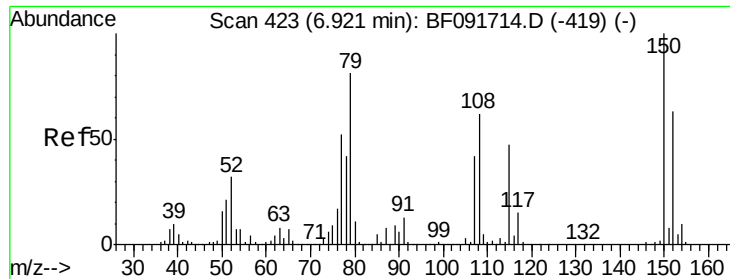
Tot Ion:146 Resp: 738901  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.6 76.0  
 111 46.5 36.2 54.4



#14  
 1,2-Dichlorobenzene  
 Concen: 48.21 ng  
 RT: 6.93 min Scan# 424  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:146 Resp: 706322  
 Ion Ratio Lower Upper  
 146 100  
 148 64.9 52.2 78.2  
 111 45.3 36.2 54.2





#15

Benzyl Alcohol

Concen: 45.48 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

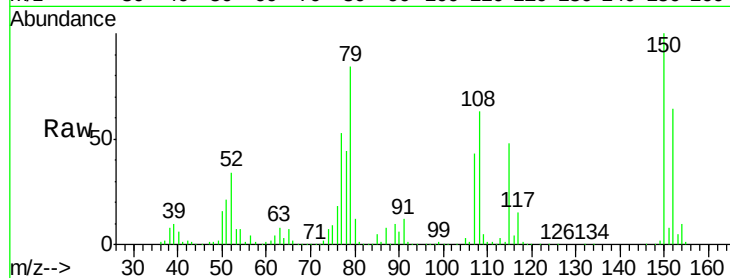
Tot Ion: 79 Resp: 587300

Ion Ratio Lower Upper

79 100

108 74.9 61.4 92.0

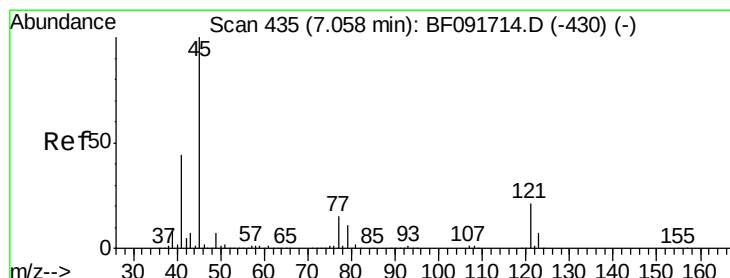
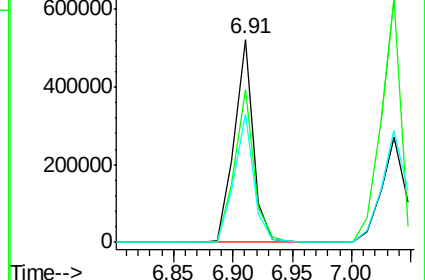
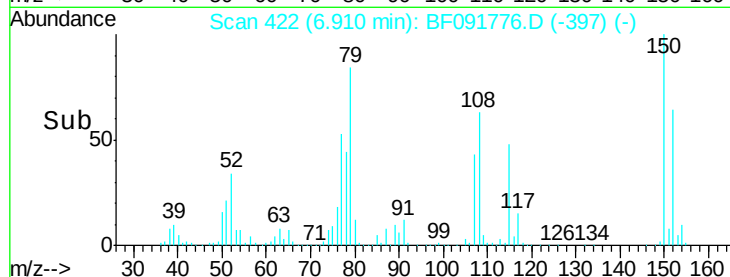
77 63.1 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.21 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

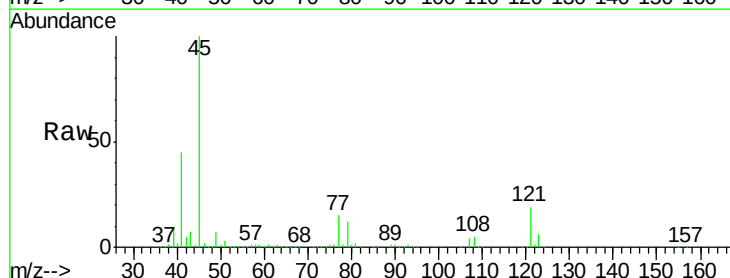
Tgt Ion: 45 Resp: 991344

Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.6

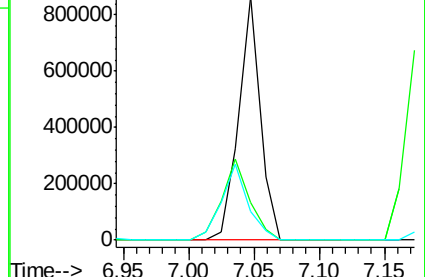
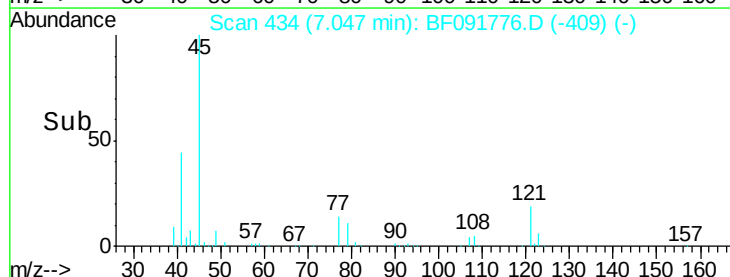
79 12.0 0.0 31.2

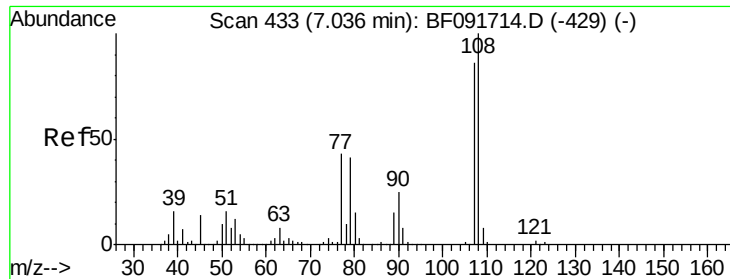


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

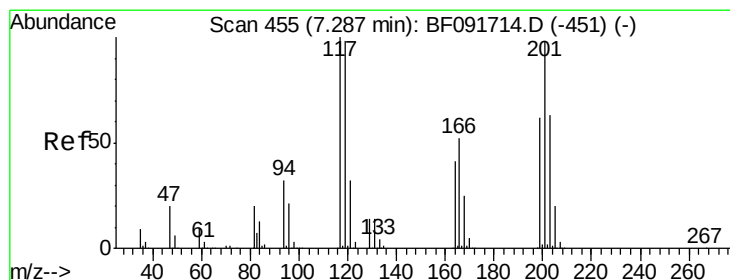
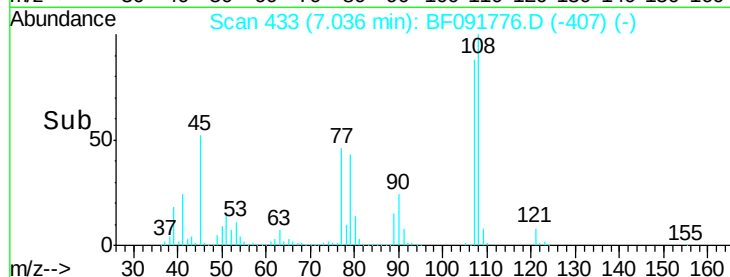
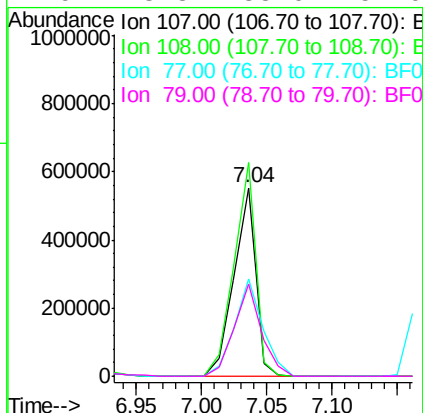
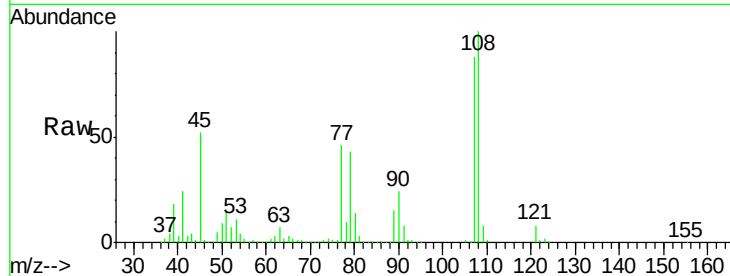




#17  
2-Methylphenol  
Concen: 50.52 ng  
RT: 7.04 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

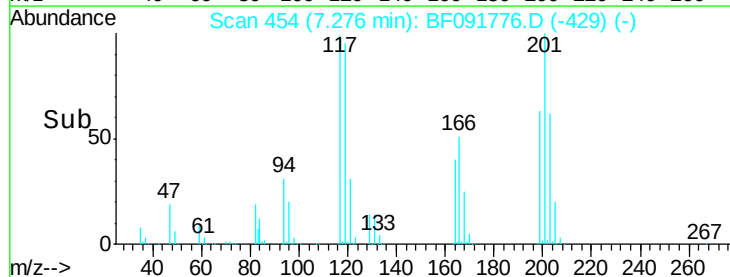
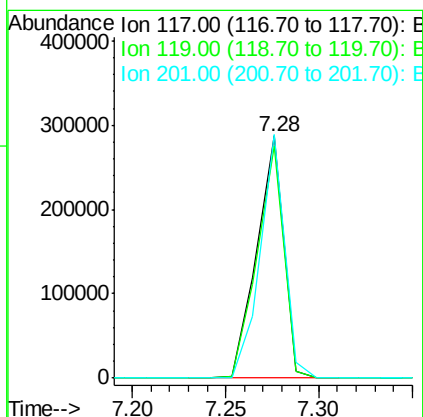
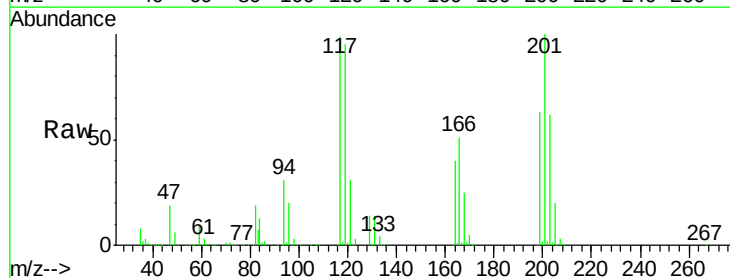
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

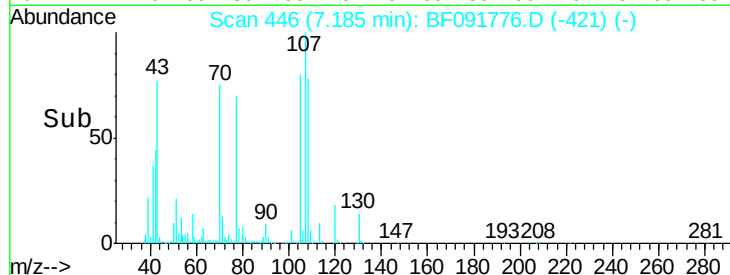
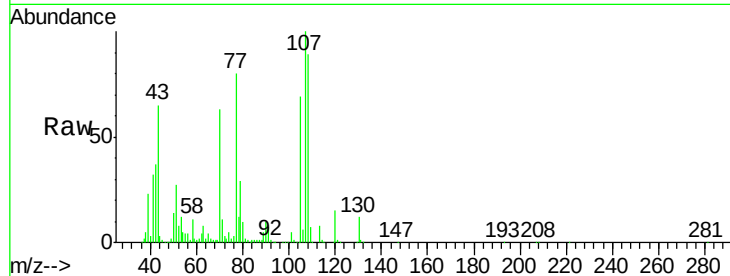
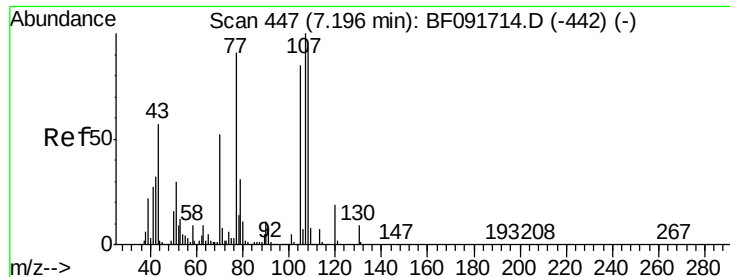
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 635441 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.5 | 93.0  | 139.6  |
| 77       | 51.8  | 39.8  | 59.8   |
| 79       | 48.8  | 38.0  | 57.0   |



#18  
Hexachloroethane  
Concen: 45.92 ng  
RT: 7.28 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 285368 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.9  | 78.1  | 117.1  |
| 201      | 100.5 | 78.6  | 117.8  |

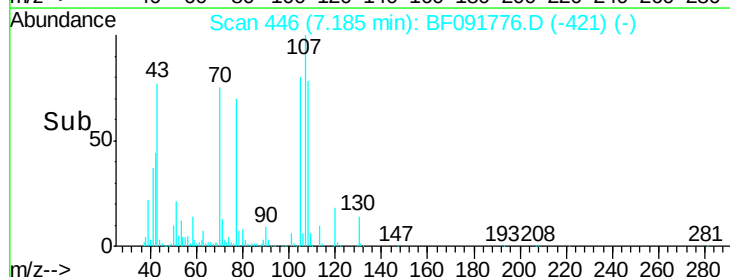
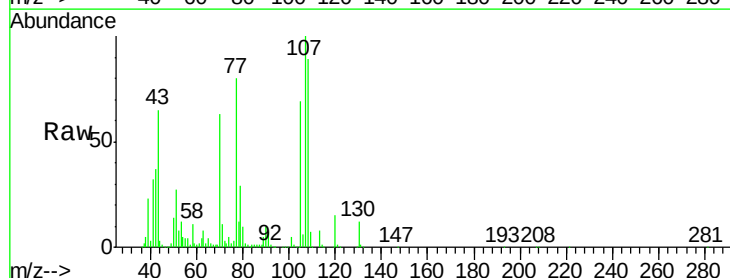
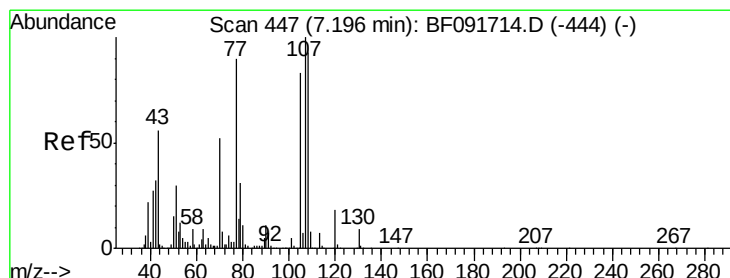
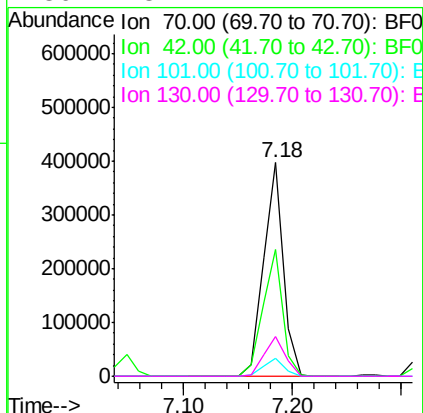




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.24 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

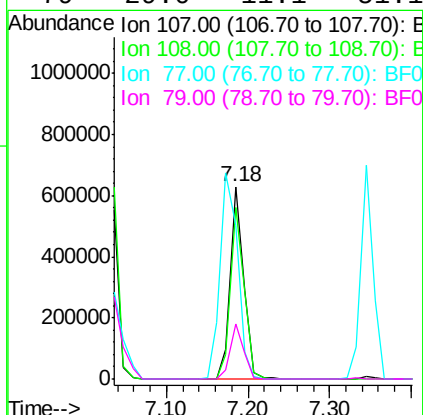
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

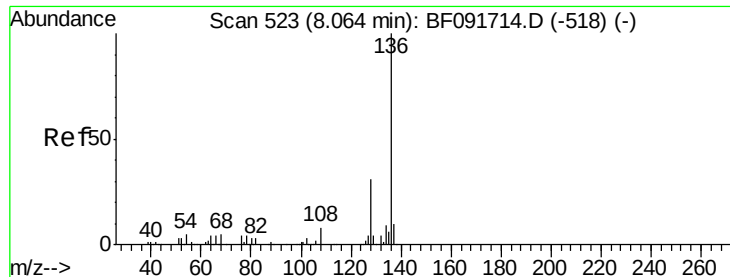
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 501890 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 59.3  | 49.4  | 74.0   |
| 101      | 8.5   | 7.4   | 11.2   |
| 130      | 18.7  | 14.2  | 21.4   |



#20  
3+4-Methylphenols  
Concen: 51.07 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 716547 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.2  | 73.0  | 113.0  |
| 77       | 79.7  | 71.3  | 111.3  |
| 79       | 29.0  | 11.1  | 51.1   |

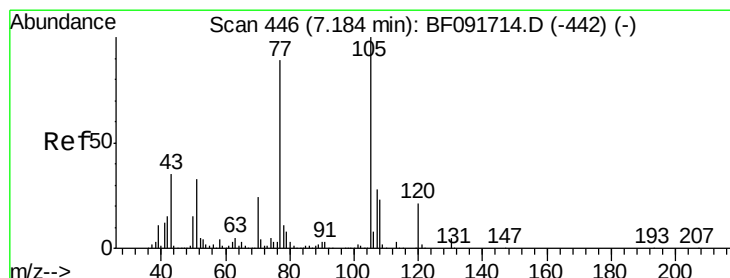
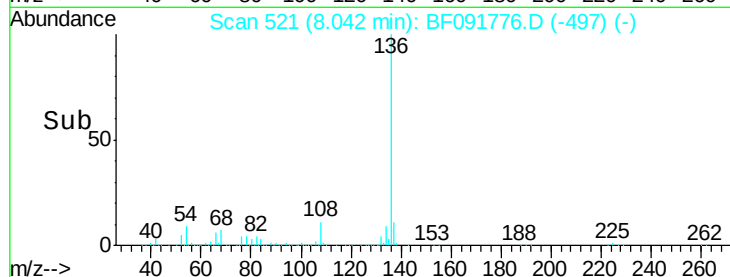
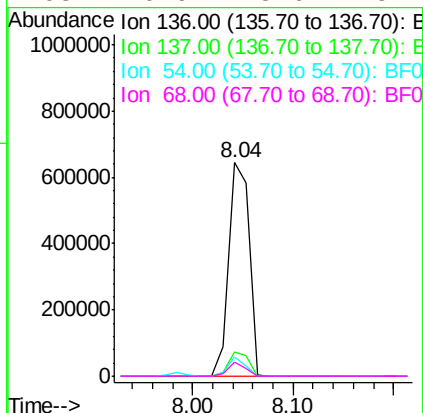
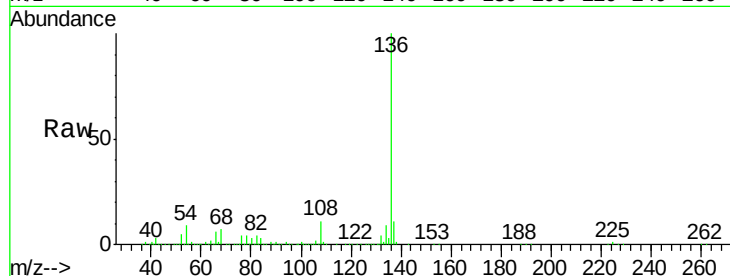




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.04 min Scan# 521  
Delta R.T. -0.02 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

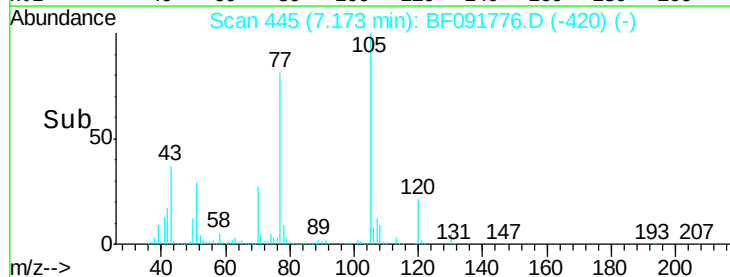
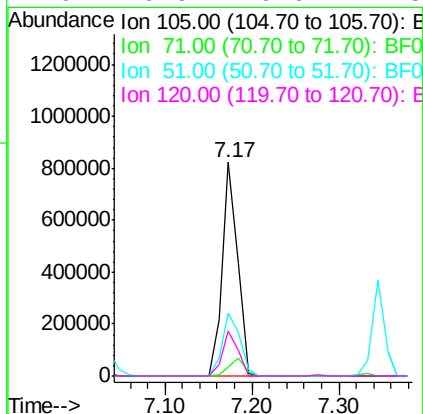
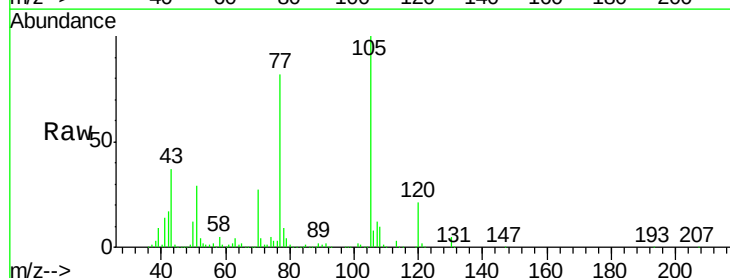
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

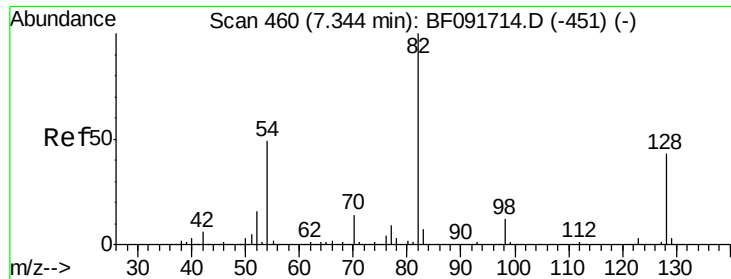
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 908189   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.4 12.6 |
| 54          | 9.1   | 4.5 6.7# |
| 68          | 6.9   | 3.6 5.4# |



#22  
Acetophenone  
Concen: 46.53 ng  
RT: 7.17 min Scan# 445  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 1020322   |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 4.5   | 3.2 4.8   |
| 51          | 29.3  | 26.2 39.4 |
| 120         | 20.9  | 16.6 24.8 |



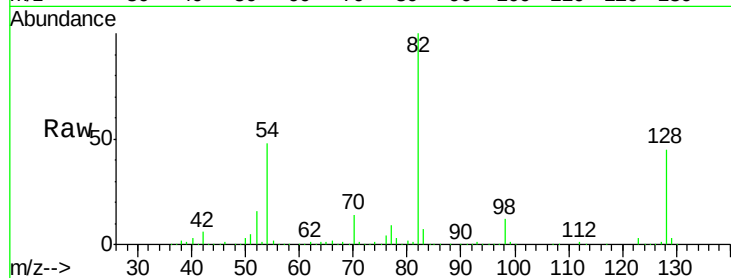


#23  
 Nitrobenzene-d5  
 Concen: 101.10 ng  
 RT: 7.33 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

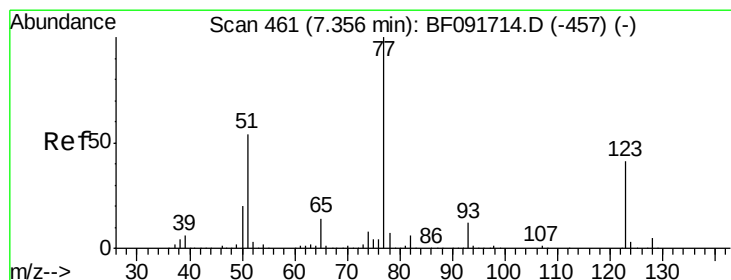
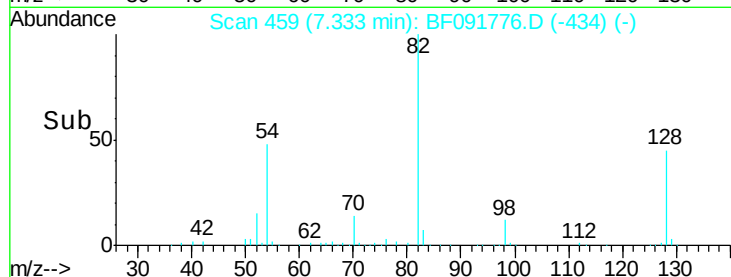
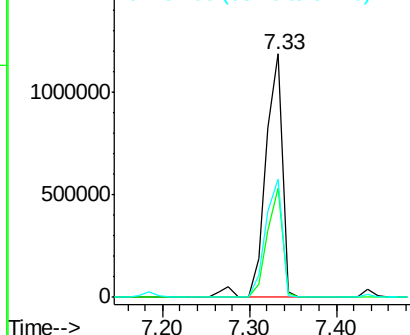
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion: 82 Resp: 1592167  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.6  | 34.6  | 52.0  |
| 54  | 48.4  | 39.5  | 59.3  |



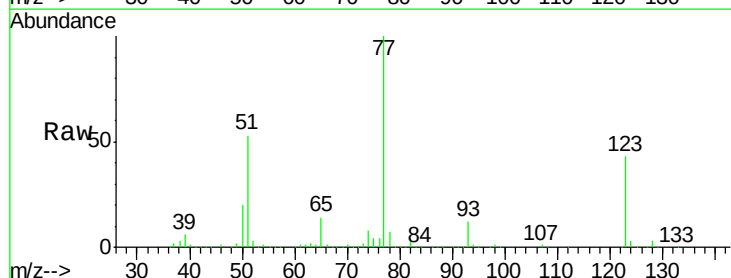
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0



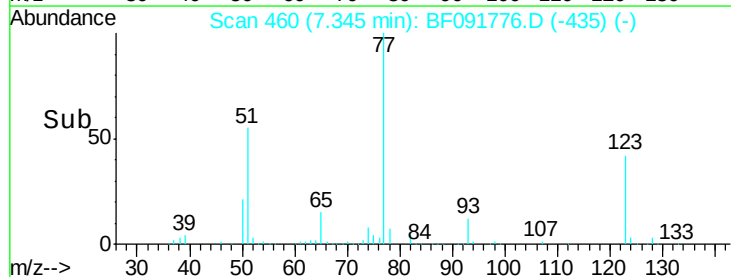
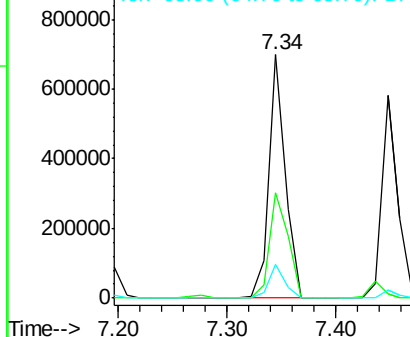
#24  
 Nitrobenzene  
 Concen: 43.19 ng  
 RT: 7.34 min Scan# 460  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion: 77 Resp: 730424  

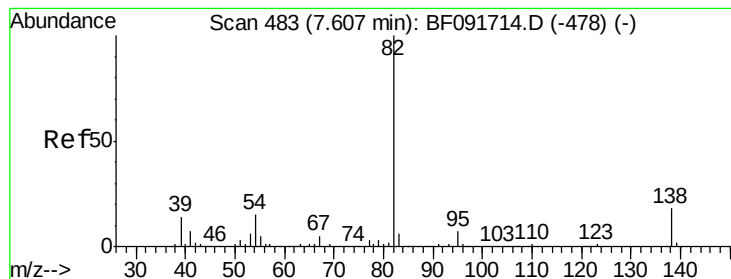
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 43.3  | 33.0  | 49.4  |
| 65  | 13.7  | 11.2  | 16.8  |



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







#25

Isophorone

Concen: 49.72 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

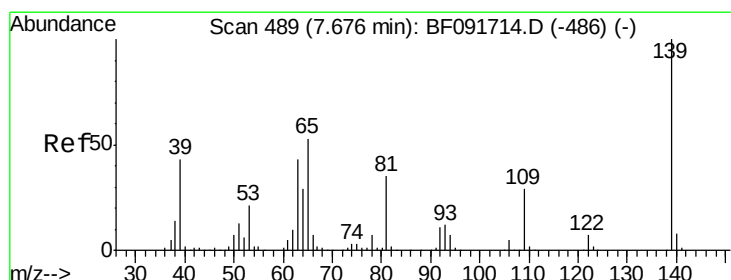
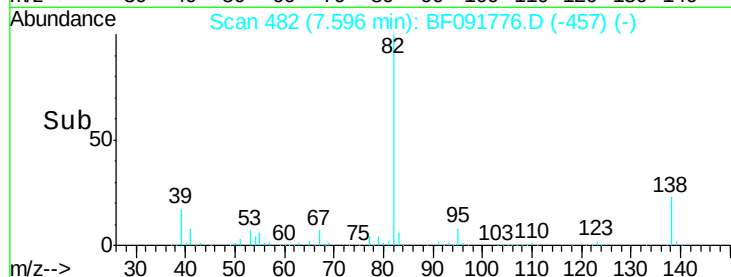
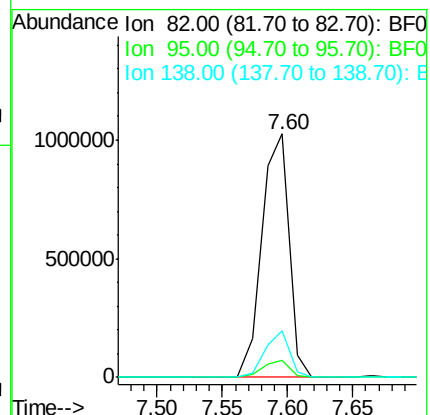
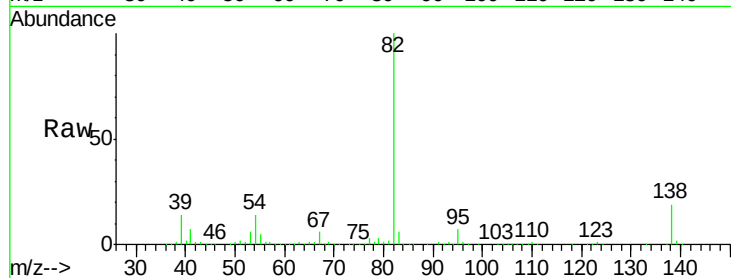
Tot Ion: 82 Resp: 1493867

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

138 19.0 14.6 22.0



#26

2-Nitrophenol

Concen: 47.54 ng

RT: 7.66 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

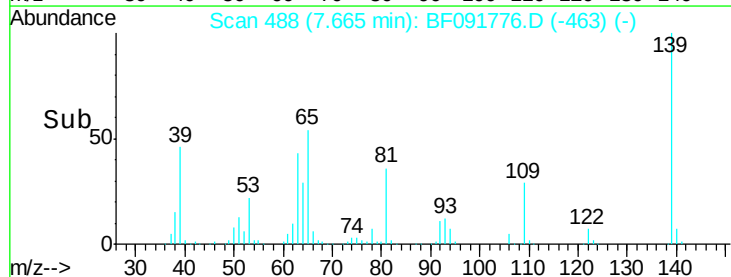
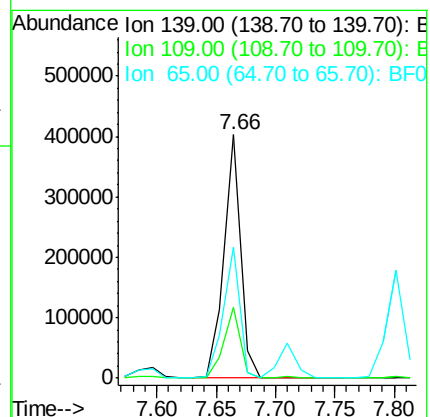
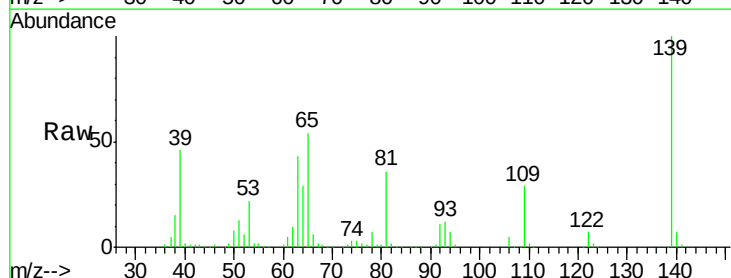
Tgt Ion: 139 Resp: 387851

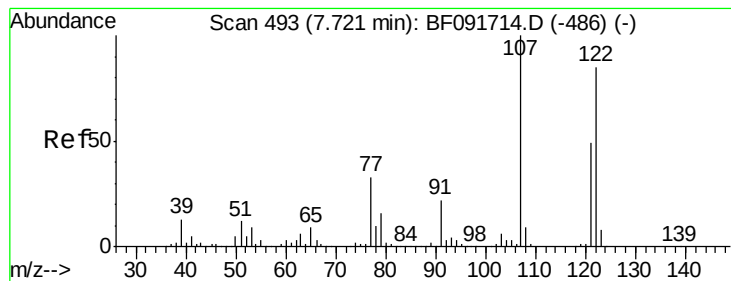
Ion Ratio Lower Upper

139 100

109 29.2 23.3 34.9

65 53.5 42.7 64.1

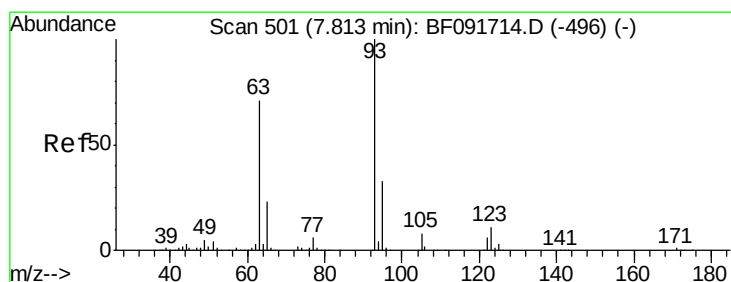
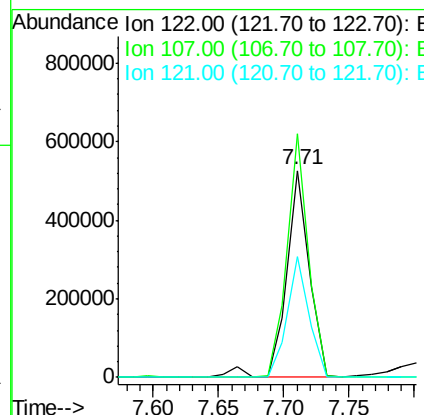
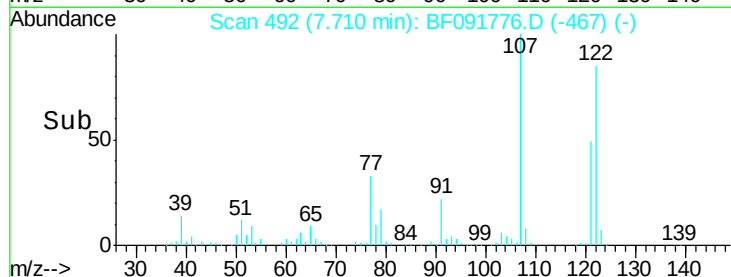
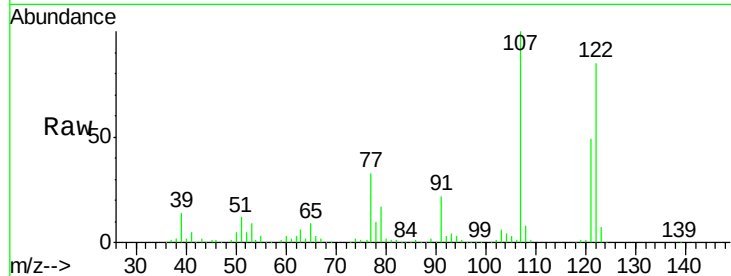




#27  
 2,4-Dimethylphenol  
 Concen: 49.13 ng  
 RT: 7.71 min Scan# 492  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

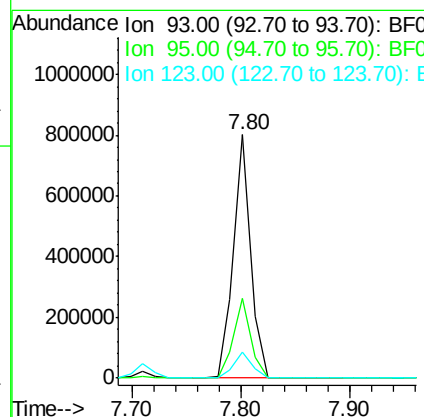
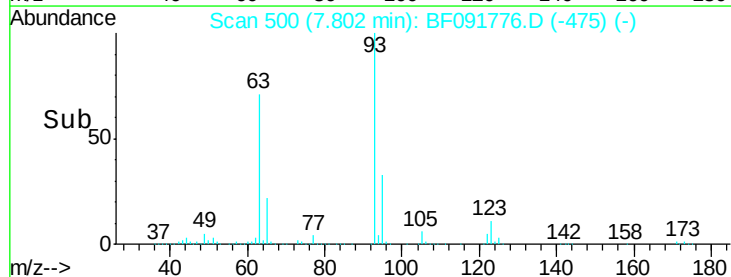
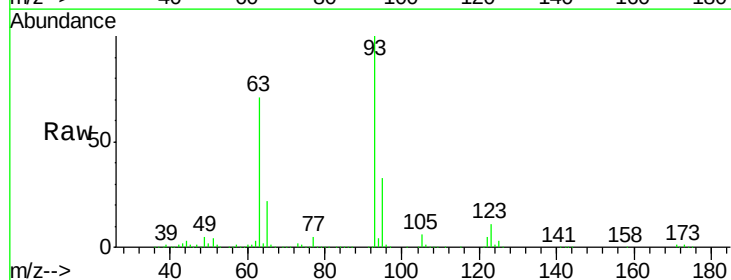
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

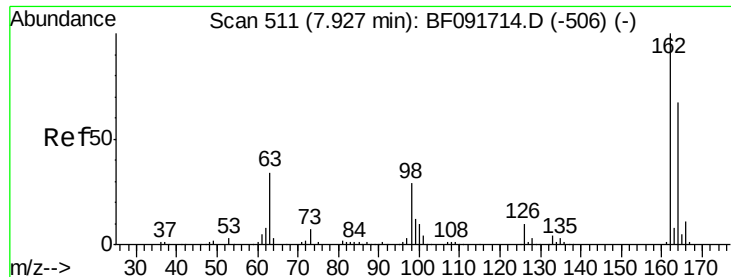
Tot Ion:122 Resp: 653836  
 Ion Ratio Lower Upper  
 122 100  
 107 117.7 94.1 141.1  
 121 58.1 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 49.65 ng  
 RT: 7.80 min Scan# 500  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion: 93 Resp: 872866  
 Ion Ratio Lower Upper  
 93 100  
 95 32.7 26.5 39.7  
 123 10.7 8.6 13.0

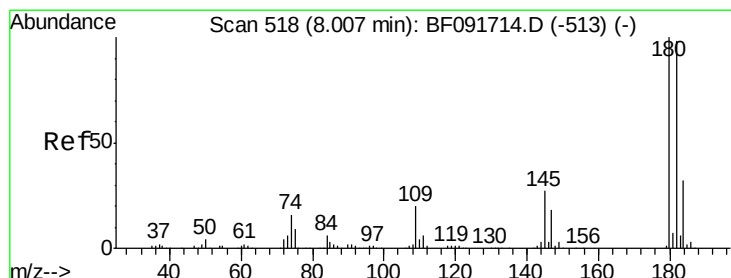
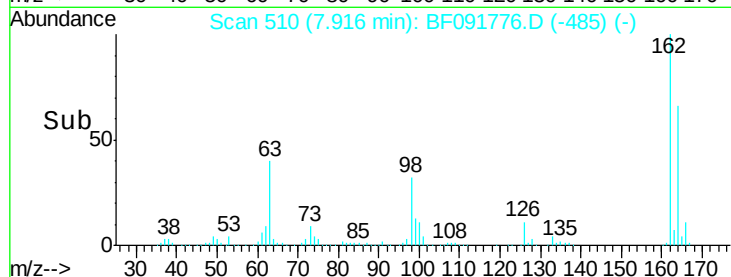
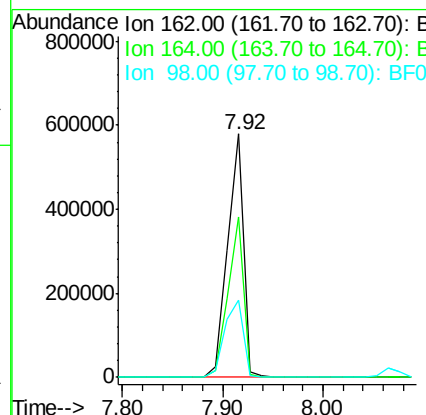
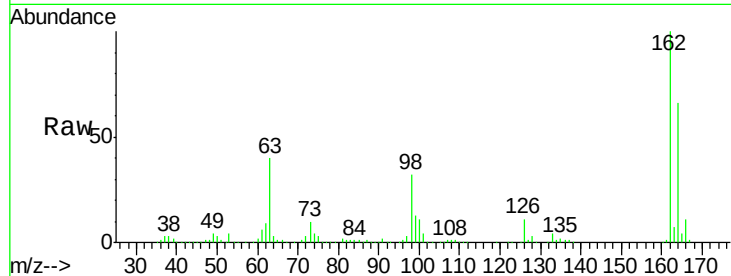




#29  
 2,4-Dichlorophenol  
 Concen: 51.77 ng  
 RT: 7.92 min Scan# 510  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

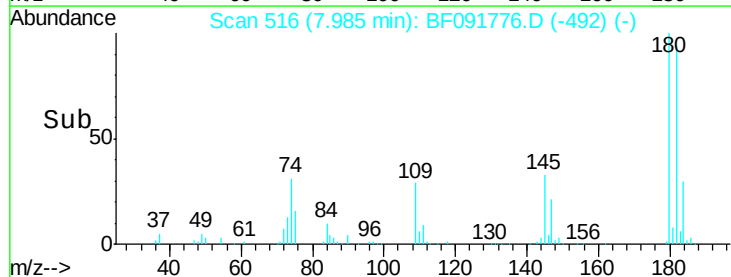
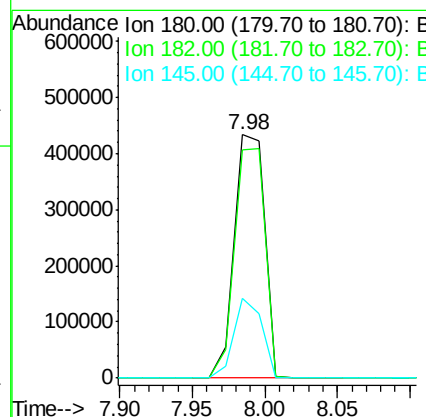
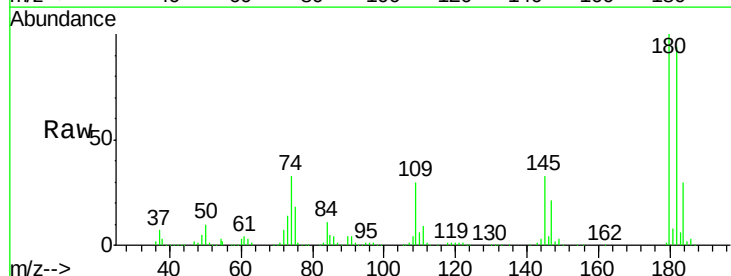
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

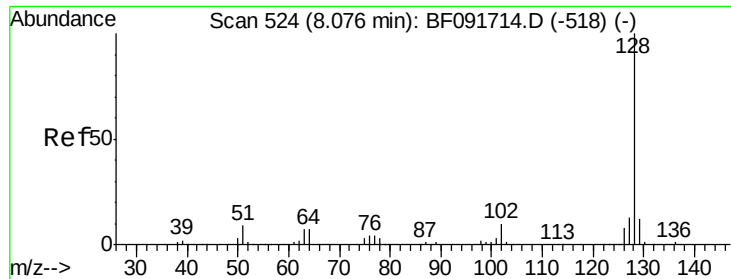
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.7  | 46.8  | 86.8  |
| 98      | 31.8  | 9.1   | 49.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.23 ng  
 RT: 7.98 min Scan# 516  
 Delta R.T. -0.02 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 78.2  | 117.4 |
| 145     | 32.6  | 21.6  | 32.4  |





#31

Naphthalene

Concen: 45.73 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

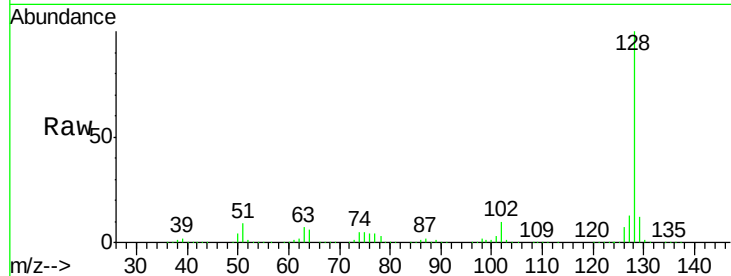
Tot Ion:128 Resp: 1984325

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

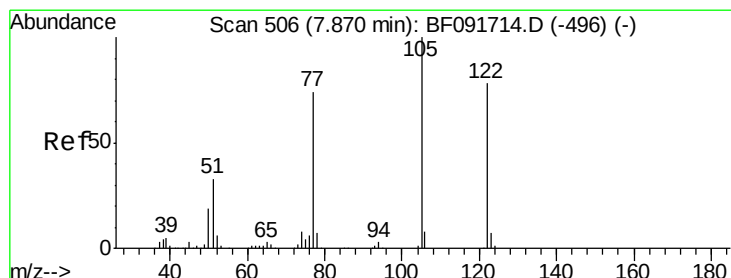
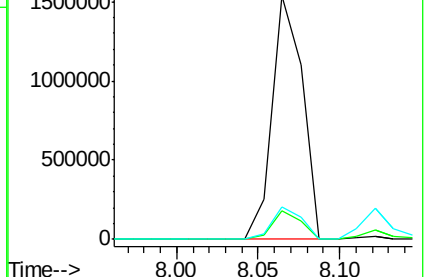
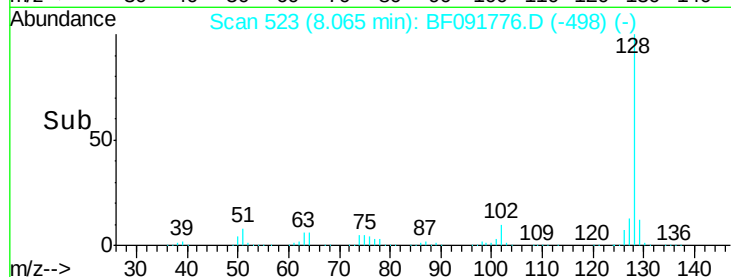
127 13.3 10.8 16.2



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: 8.16 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.07 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

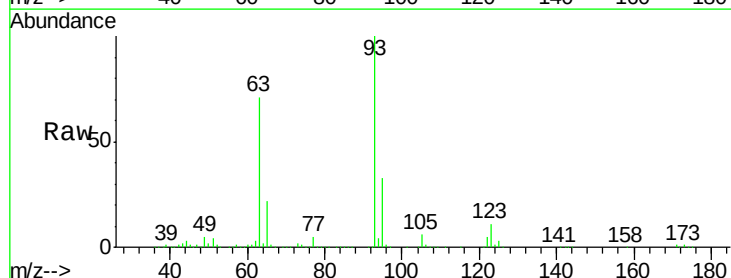
Tgt Ion:122 Resp: 77399

Ion Ratio Lower Upper

122 100

105 125.7 107.2 147.2

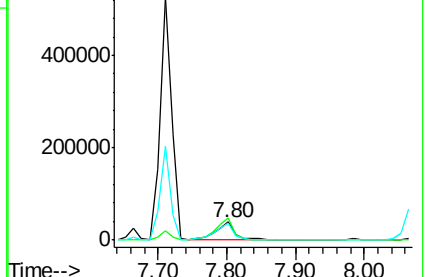
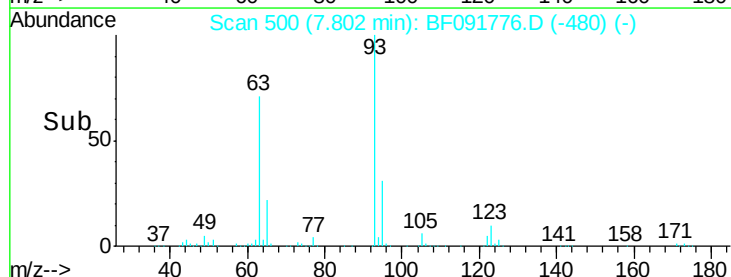
77 97.1 74.5 114.5

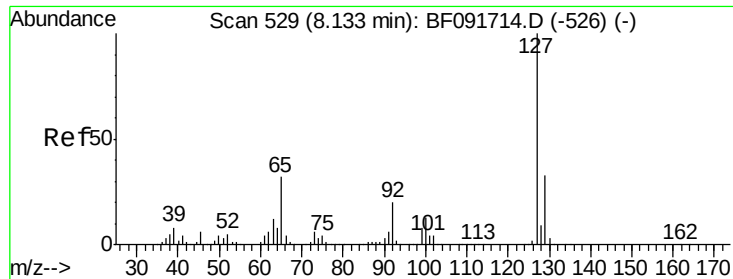


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

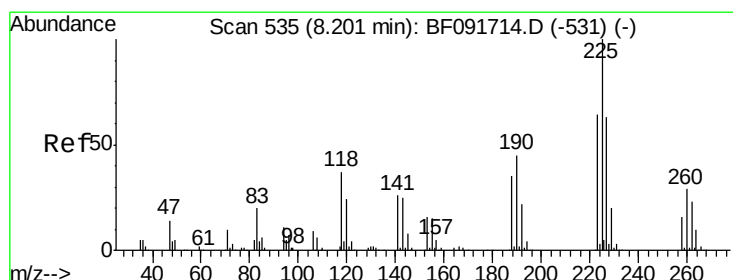
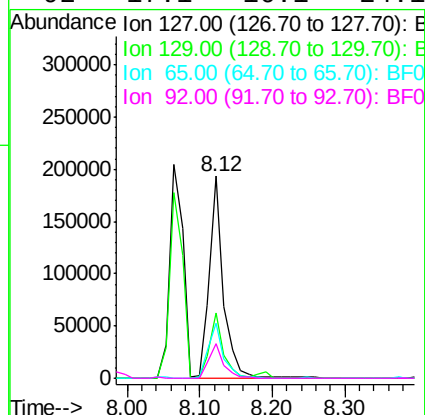
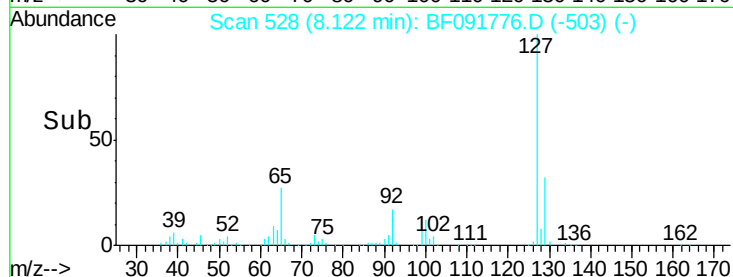
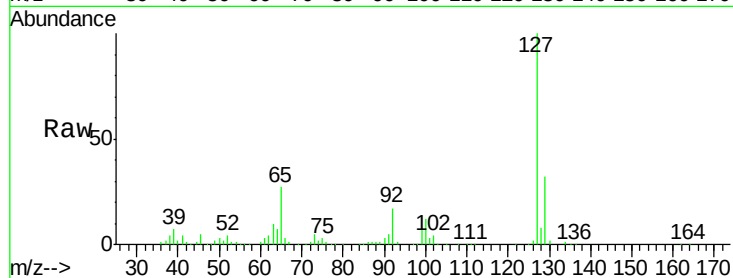




#33  
4-Chloroaniline  
Concen: 14.18 ng  
RT: 8.12 min Scan# 528  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

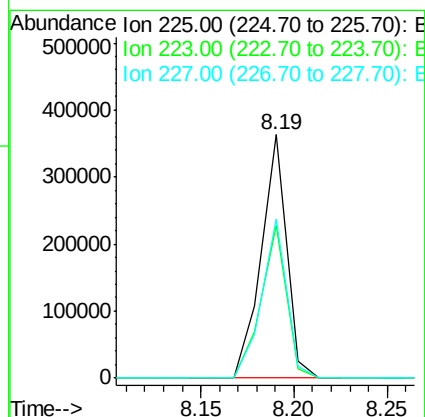
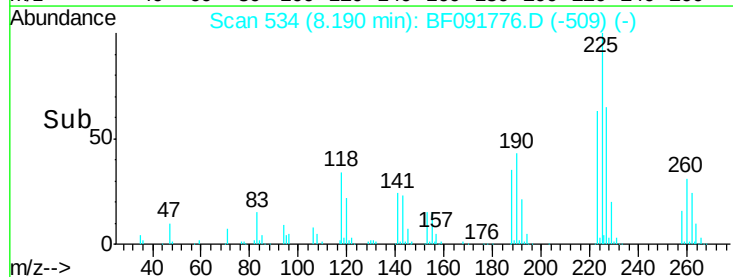
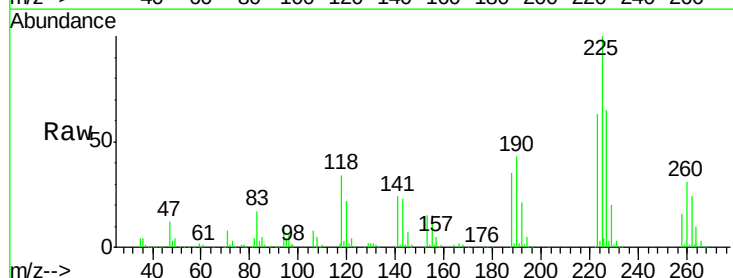
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

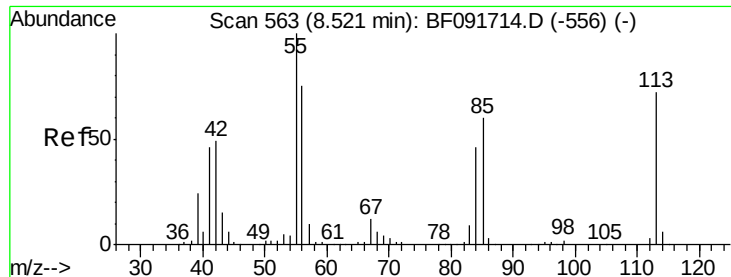
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 259099 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 26.3  | 39.5   |
| 65       | 27.3  | 25.8  | 38.8   |
| 92       | 17.1  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 45.68 ng  
RT: 8.19 min Scan# 534  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 341689 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.7  | 51.0  | 76.6   |
| 227      | 65.3  | 50.6  | 76.0   |

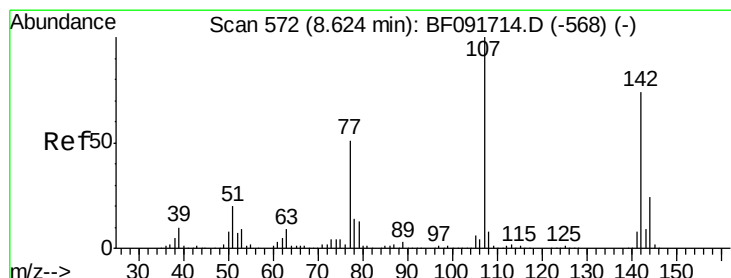
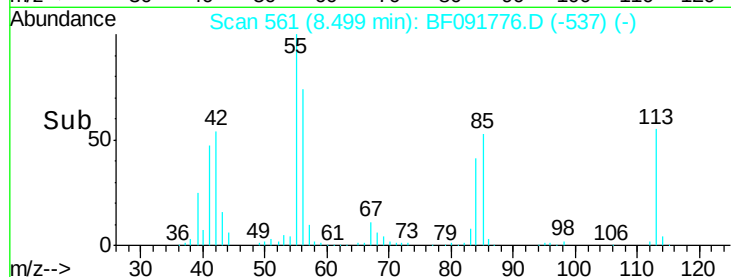
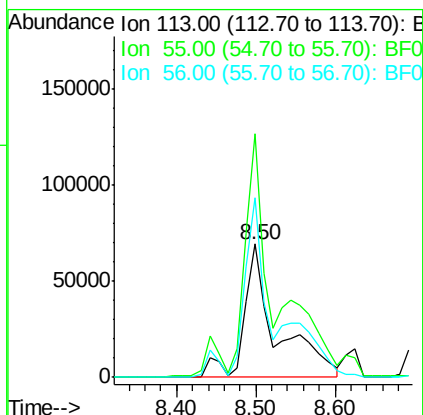
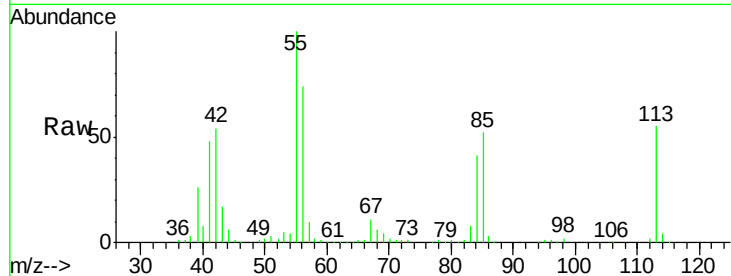




#35  
 Caprolactam  
 Concen: 50.56 ng/ml  
 RT: 8.50 min Scan# 561  
 Delta R.T. -0.02 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

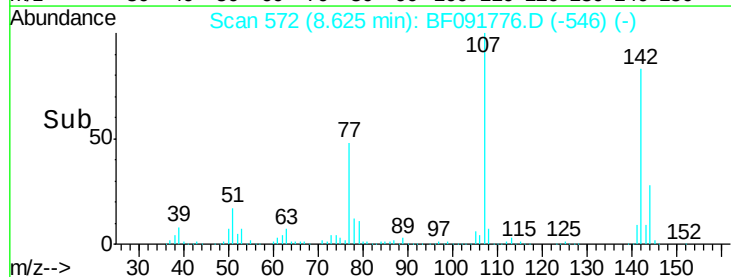
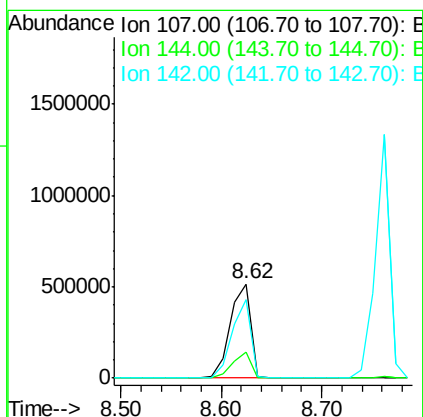
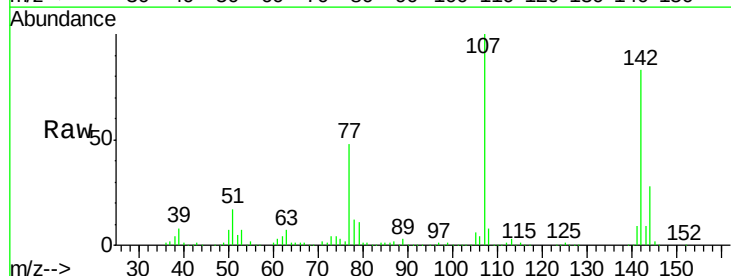
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

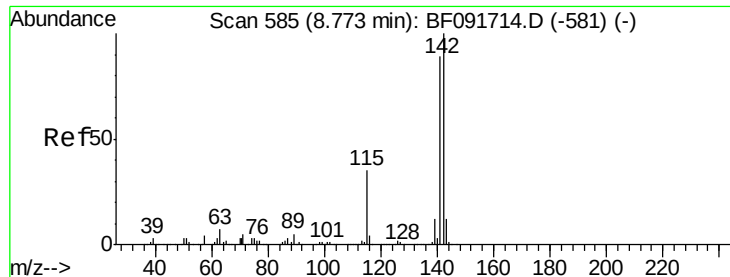
Tot Ion:113 Resp: 199681  
 Ion Ratio Lower Upper  
 113 100  
 55 183.1 119.2 159.2#  
 56 135.5 83.8 123.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 53.60 ng/ml  
 RT: 8.62 min Scan# 572  
 Delta R.T. 0.00 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:107 Resp: 725867  
 Ion Ratio Lower Upper  
 107 100  
 144 27.6 19.3 28.9  
 142 82.8 59.0 88.6

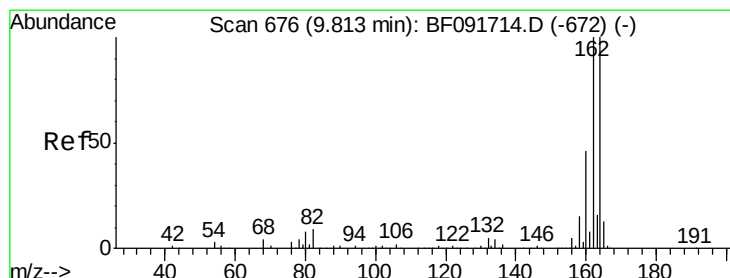
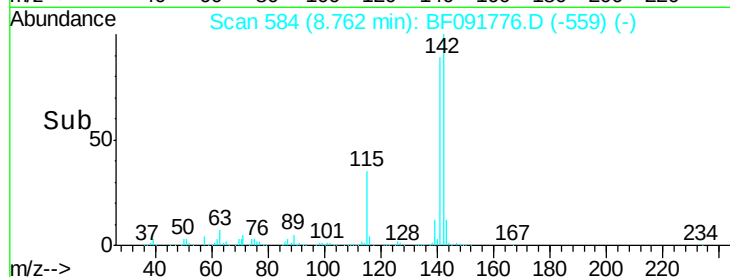
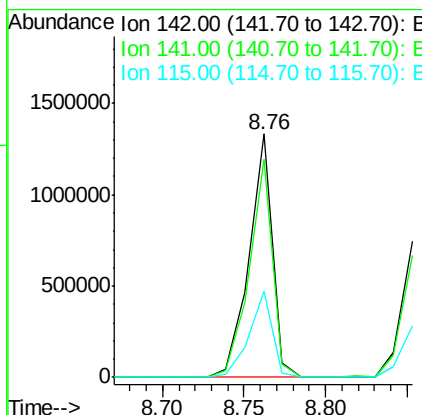
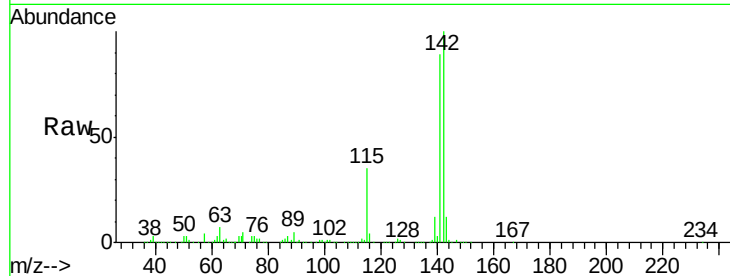




#37  
2-Methylnaphthalene  
Concen: 48.33 ng  
RT: 8.76 min Scan# 584  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

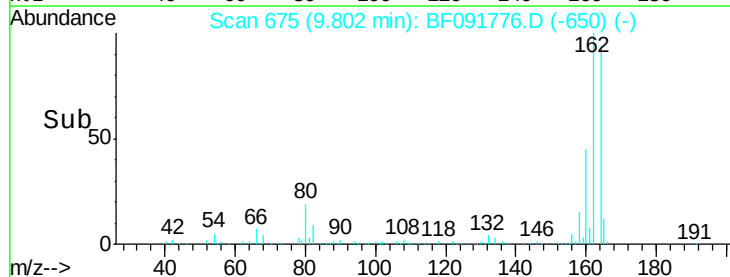
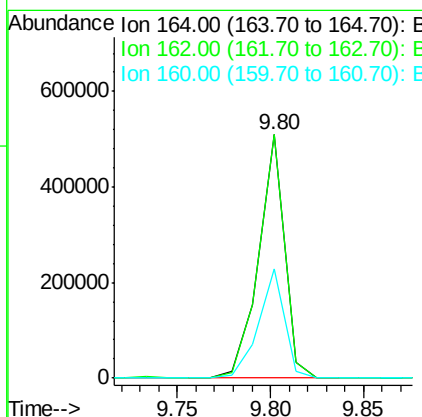
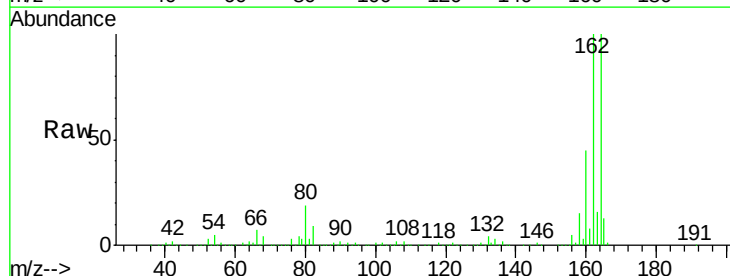
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

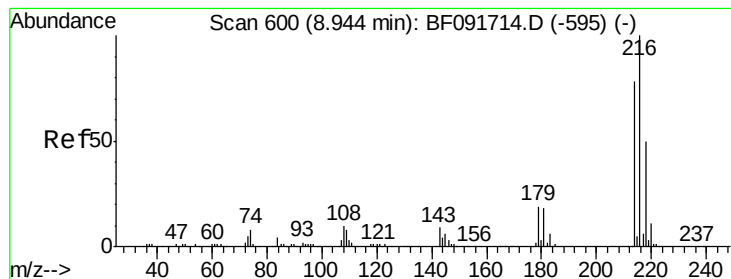
Tot Ion:142 Resp: 1322038  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.0 106.6  
115 35.5 28.3 42.5



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.80 min Scan# 675  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:164 Resp: 486971  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.2 120.2  
160 44.9 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.70 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:216 Resp: 578996

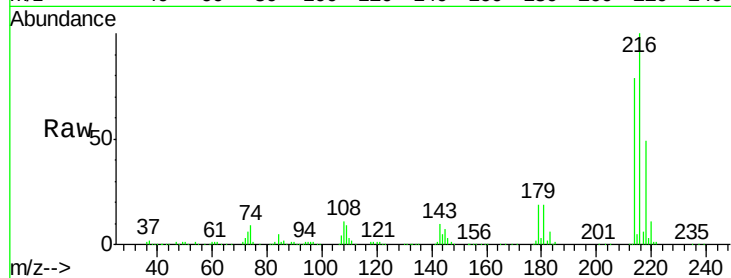
Ion Ratio Lower Upper

216 100

214 79.2 63.4 95.0

179 21.9 17.4 26.2

108 20.0 15.6 23.4

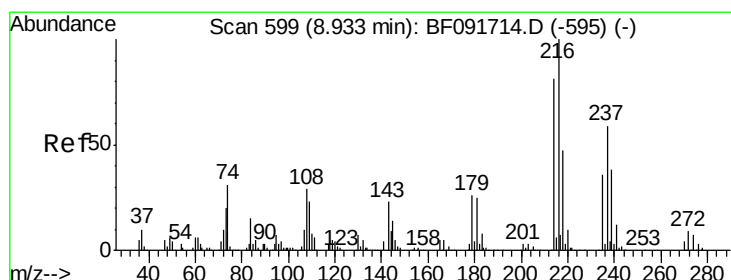
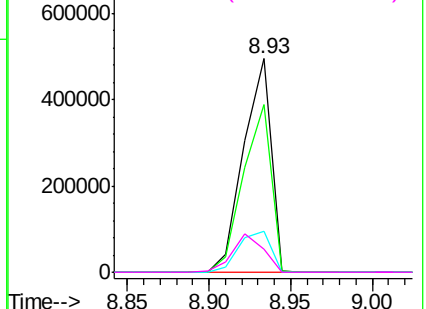
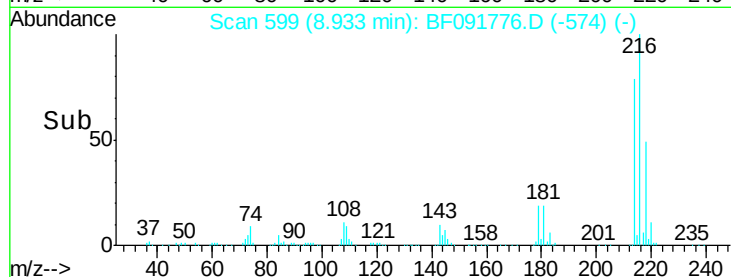


Abundance Ion 216.00 (215.70 to 216.70): E

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: 71.65 ng

RT: 8.92 min Scan# 598

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

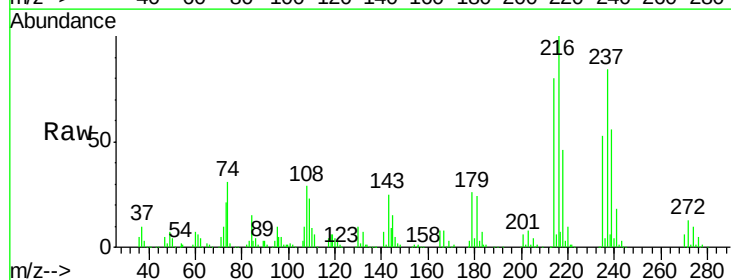
Tgt Ion:237 Resp: 368630

Ion Ratio Lower Upper

237 100

235 63.3 41.2 81.2

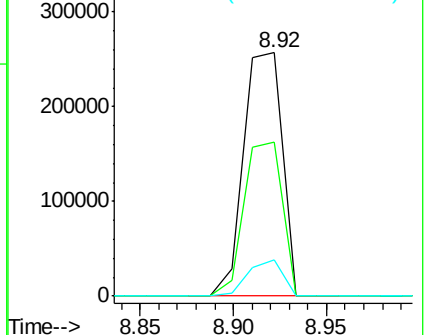
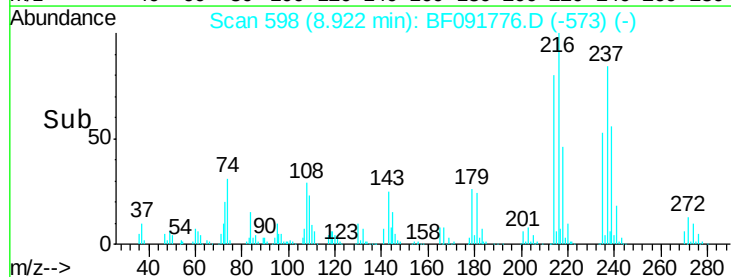
272 15.1 0.0 35.4



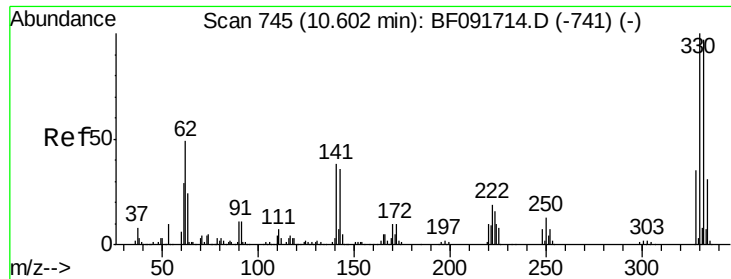
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



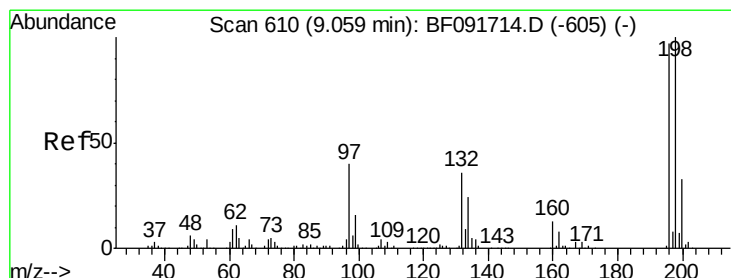
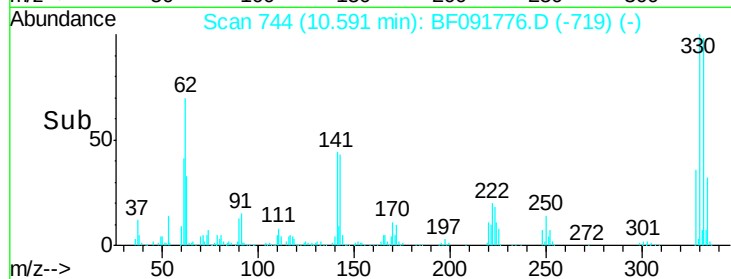
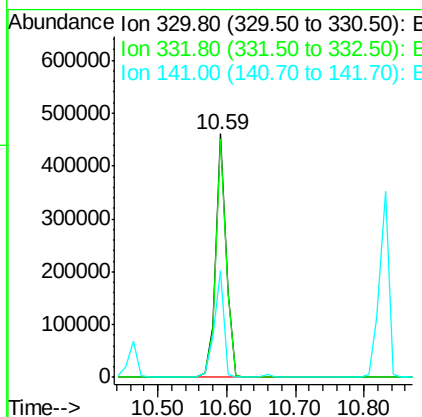
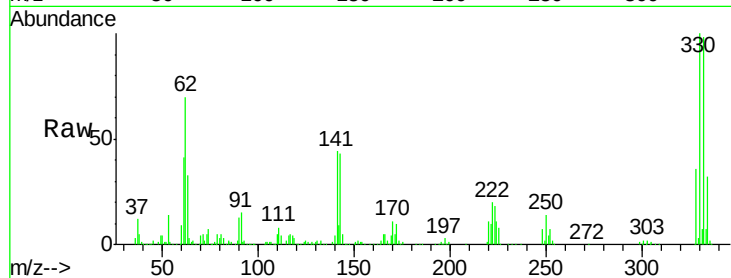




#41  
 2,4,6-Tribromophenol  
 Concen: 121.89 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

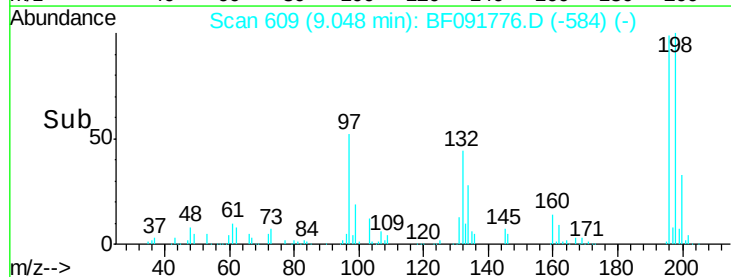
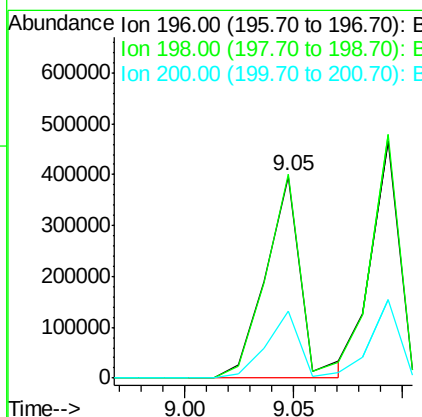
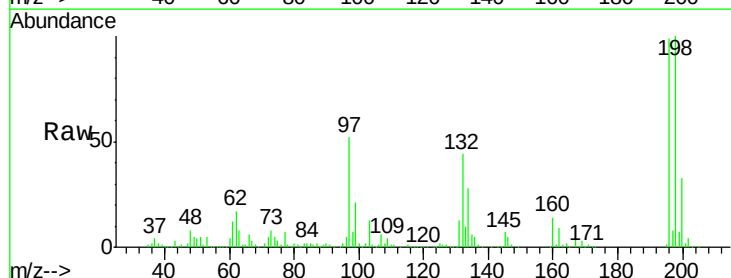
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

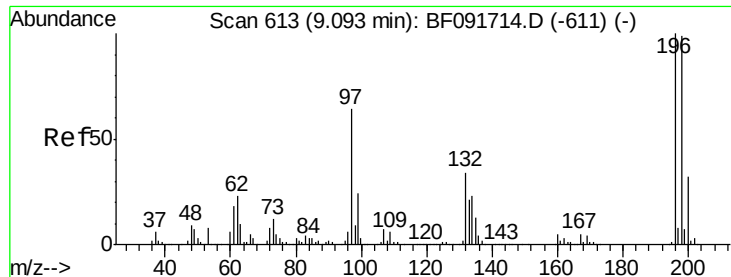
Tot Ion:330 Resp: 503340  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.4 116.2  
 141 40.3 34.1 51.1



#42  
 2,4,6-Trichlorophenol  
 Concen: 51.89 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:196 Resp: 450054  
 Ion Ratio Lower Upper  
 196 100  
 198 101.3 82.1 123.1  
 200 33.2 27.0 40.4

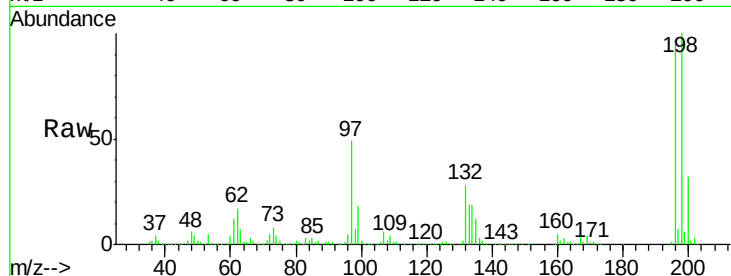




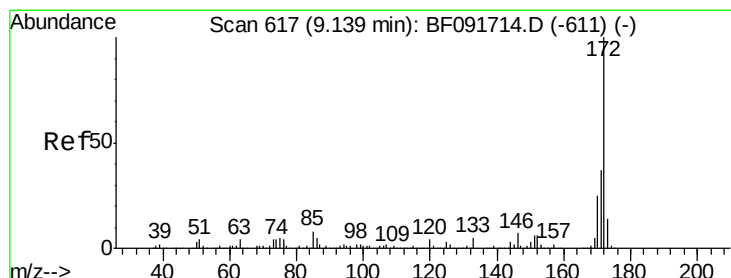
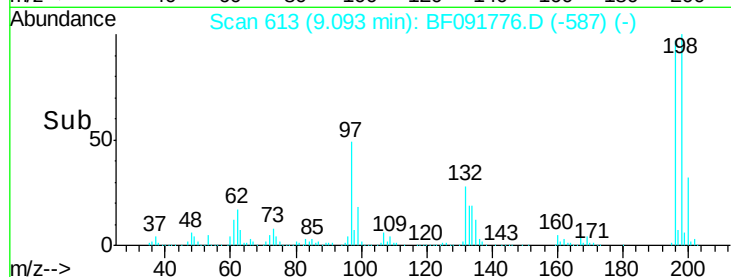
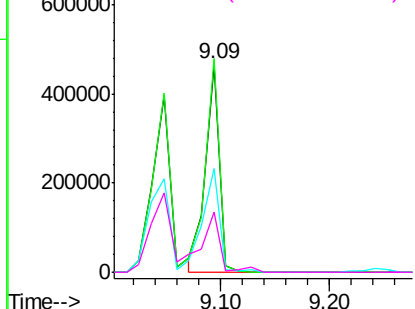
#43  
 2,4,5-Trichlorophenol  
 Concen: 49.20 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. 0.00 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:196 Resp: 419224  
 Ion Ratio Lower Upper  
 196 100  
 198 102.7 79.4 119.2  
 97 50.2 51.5 77.3#  
 132 29.0 27.4 41.2

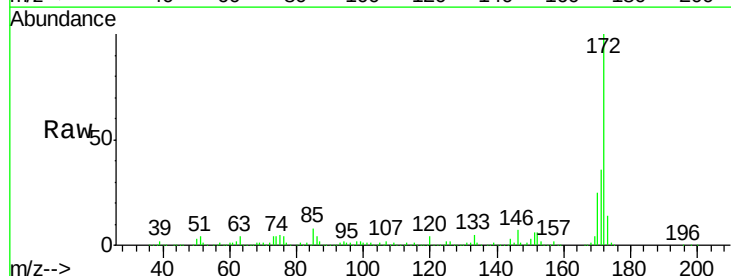


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF0  
 Ion 132.00 (131.70 to 132.70): E

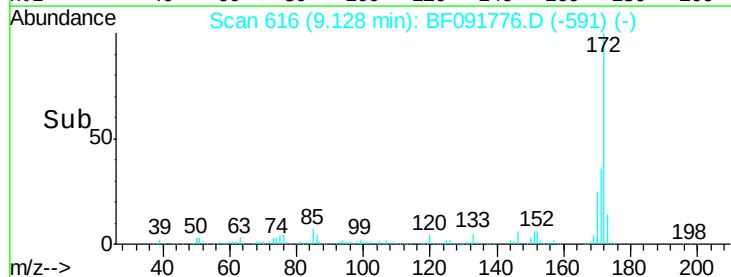
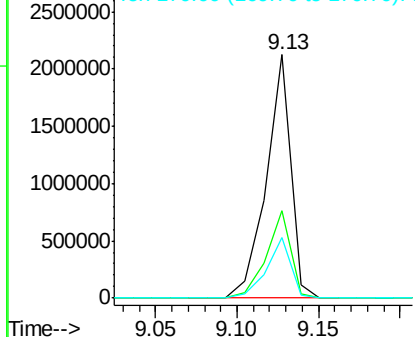


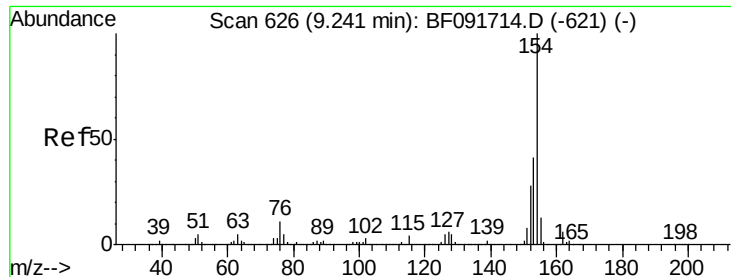
#44  
 2-Fluorobiphenyl  
 Concen: 92.08 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:172 Resp: 2231968  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.4 44.0  
 170 24.7 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: 49.06 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

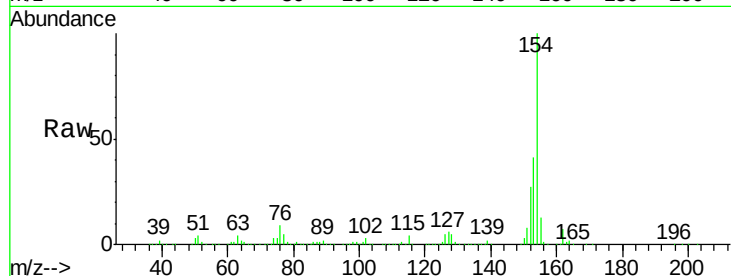
Tot Ion:154 Resp: 1712310

Ion Ratio Lower Upper

154 100

153 40.6 20.9 60.9

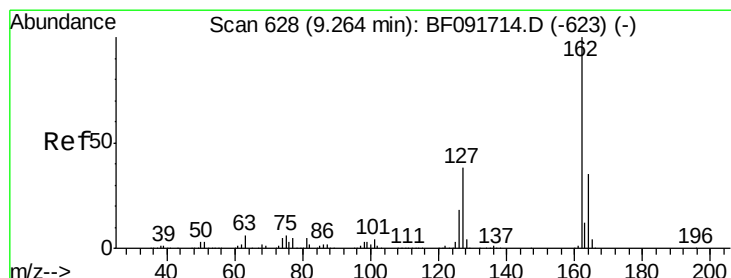
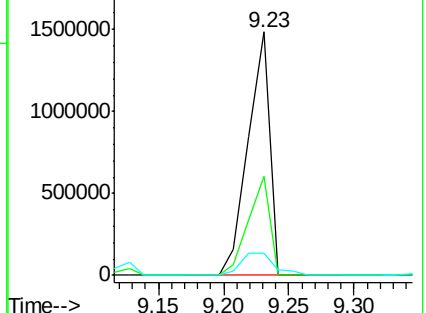
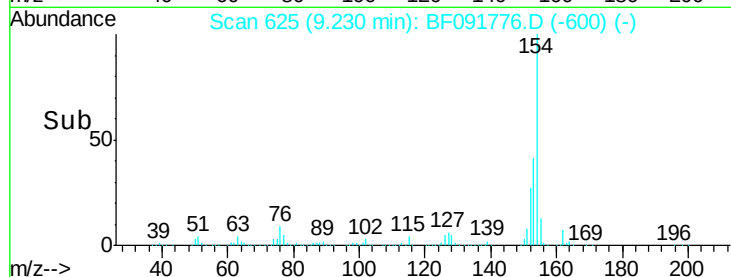
76 9.3 0.0 30.5



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): BF0



#46

2-Chloronaphthalene

Concen: 48.10 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

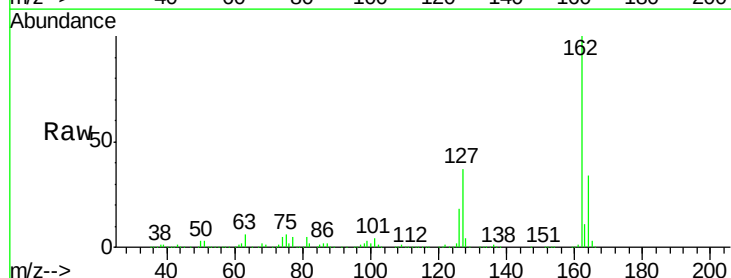
Tgt Ion:162 Resp: 1254547

Ion Ratio Lower Upper

162 100

127 37.3 30.7 46.1

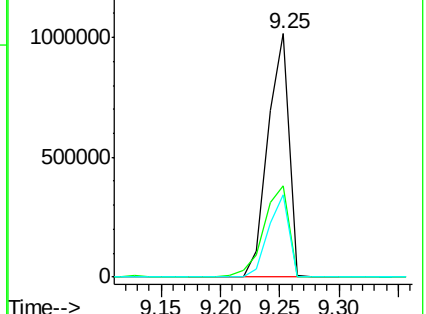
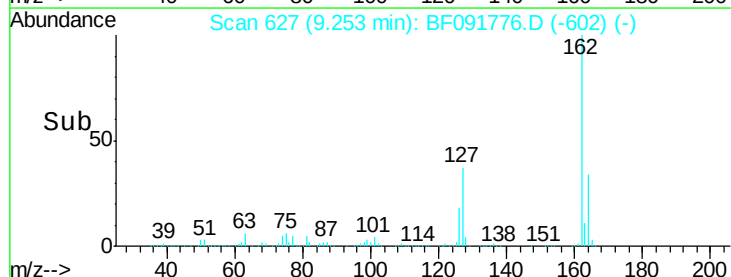
164 34.0 27.6 41.4

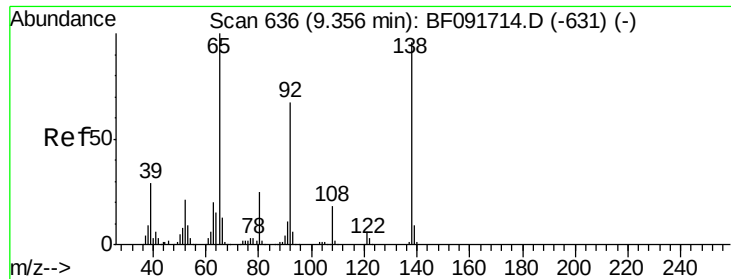


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

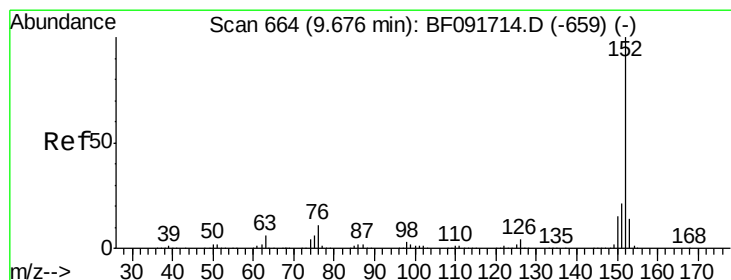
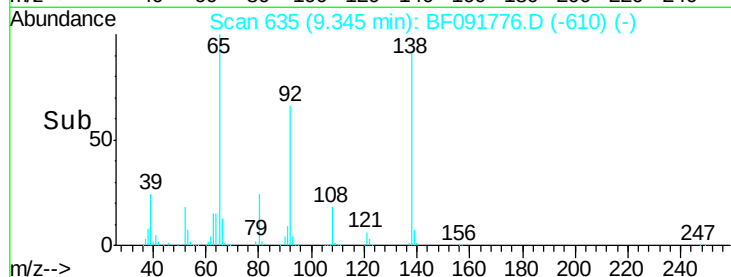
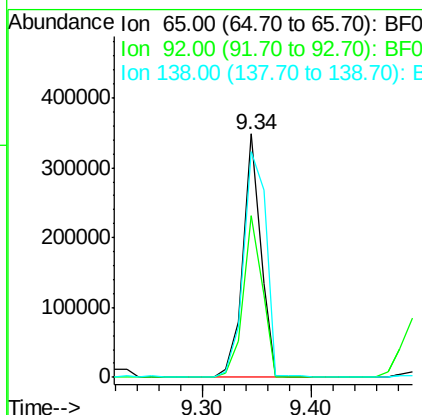
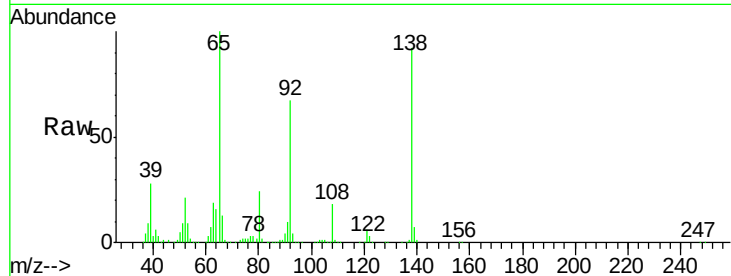




#47  
2-Nitroaniline  
Concen: 44.59 ng  
RT: 9.34 min Scan# 635  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

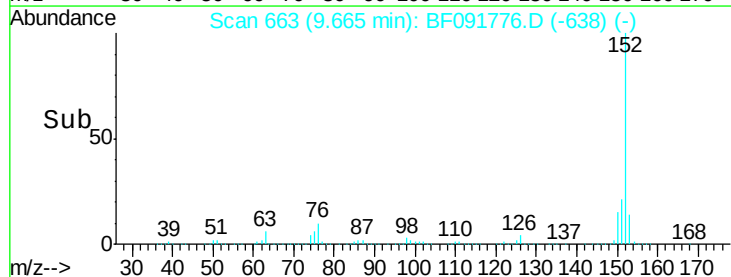
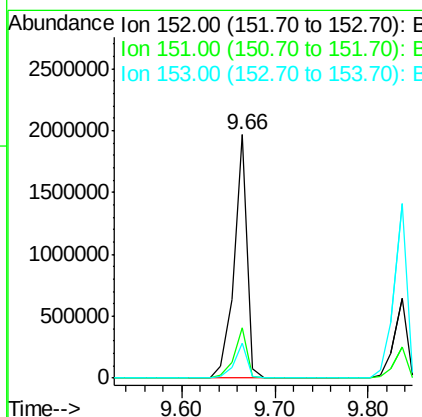
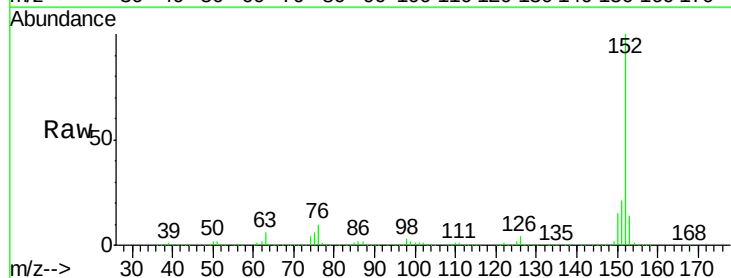
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

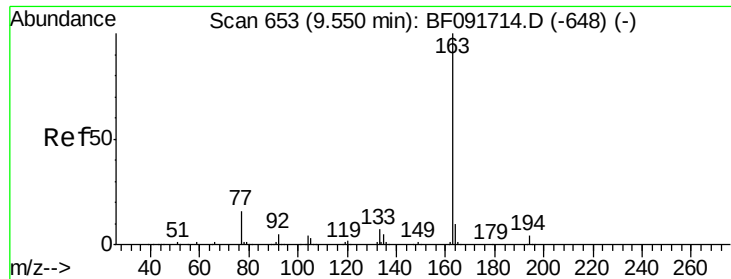
Tot Ion: 65 Resp: 397125  
Ion Ratio Lower Upper  
65 100  
92 66.5 53.9 80.9  
138 92.5 76.8 115.2



#48  
Acenaphthylene  
Concen: 47.20 ng  
RT: 9.66 min Scan# 663  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion: 152 Resp: 1907507  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.9 25.3  
153 14.2 11.4 17.2





#49

Dimethylphthalate

Concen: 63.75 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

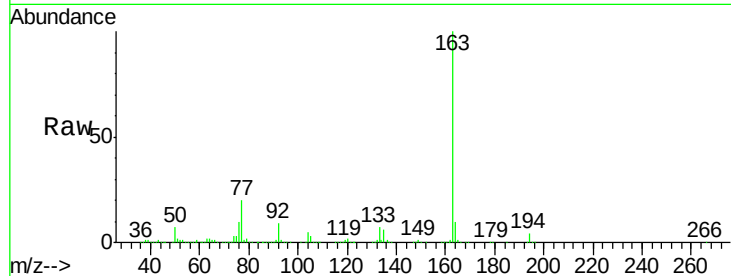
Tot Ion:163 Resp: 2027720

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

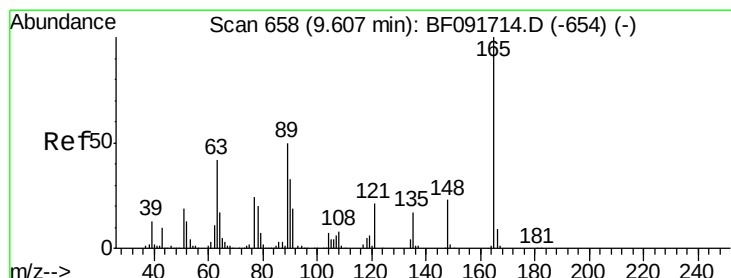
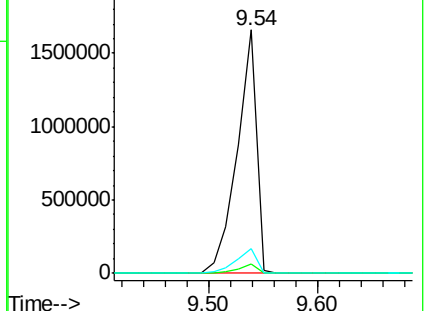
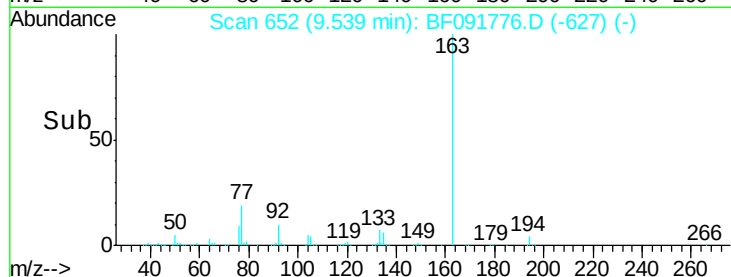
164 10.4 8.0 12.0



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: 52.12 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

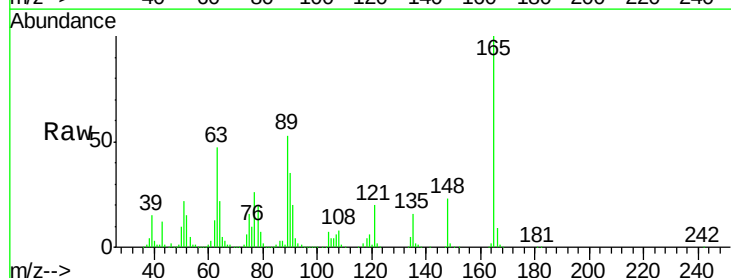
Tgt Ion:165 Resp: 363498

Ion Ratio Lower Upper

165 100

63 47.3 36.2 54.4

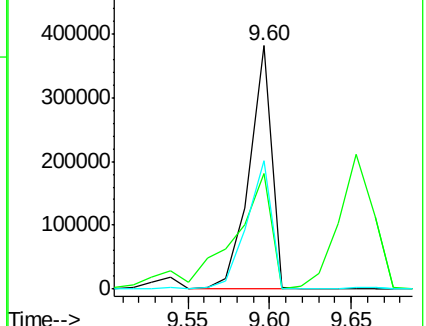
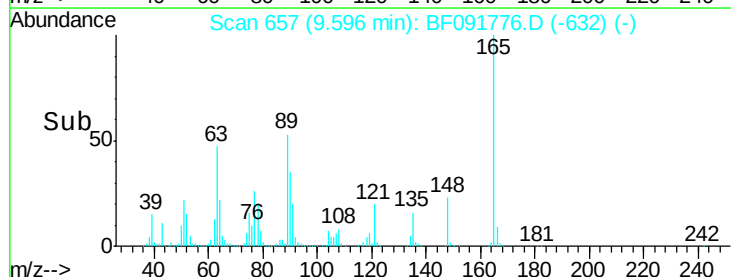
89 52.6 40.2 60.4

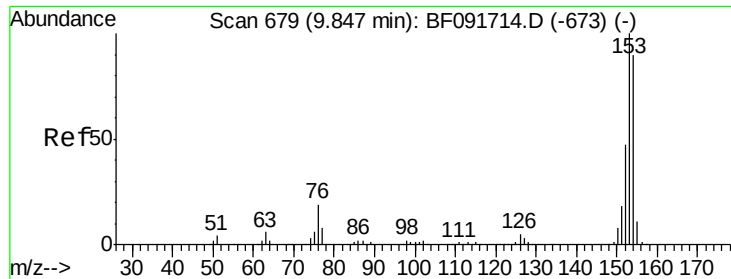


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.83 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

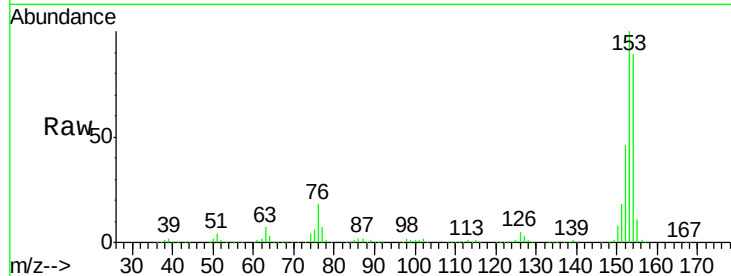
Tot Ion:154 Resp: 1271321

Ion Ratio Lower Upper

154 100

153 112.4 88.6 133.0

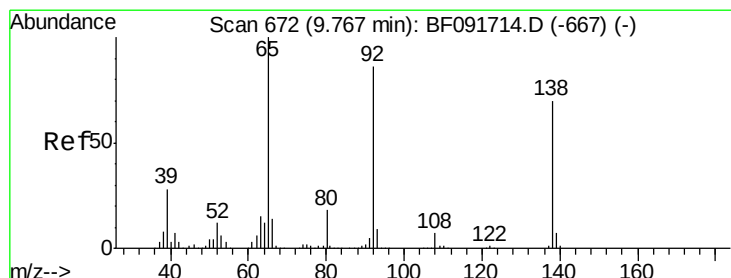
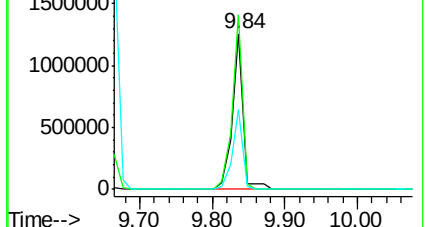
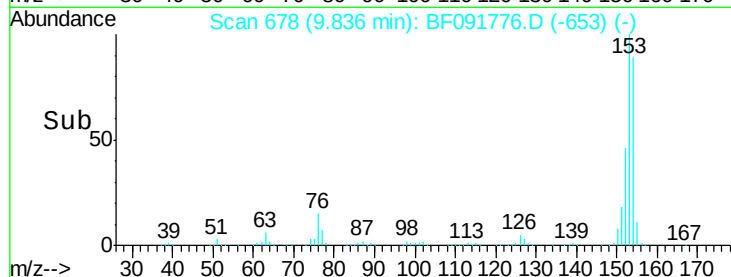
152 51.6 41.6 62.4



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: 22.24 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

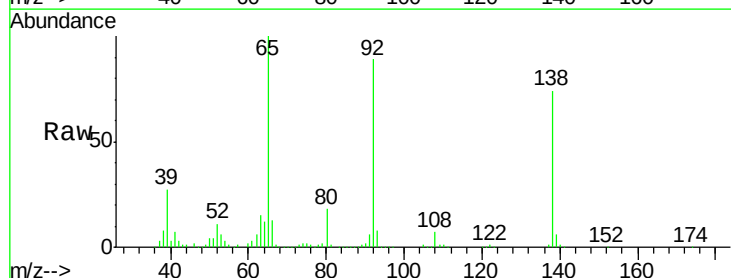
Tgt Ion:138 Resp: 193105

Ion Ratio Lower Upper

138 100

108 10.0 8.5 12.7

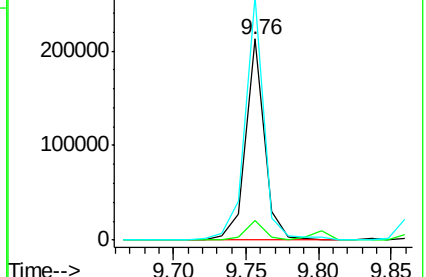
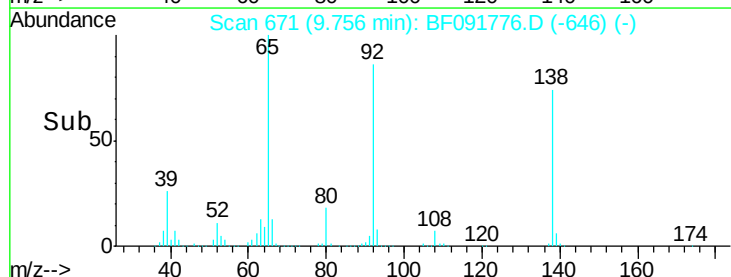
92 120.9 97.8 146.8

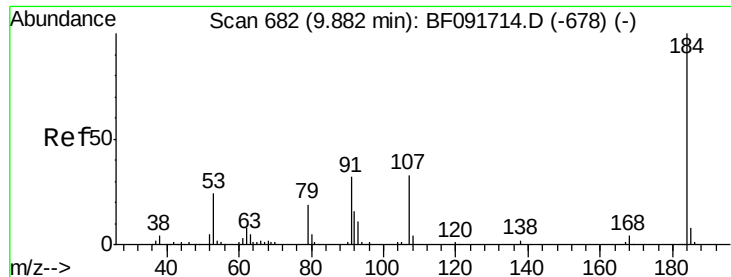


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

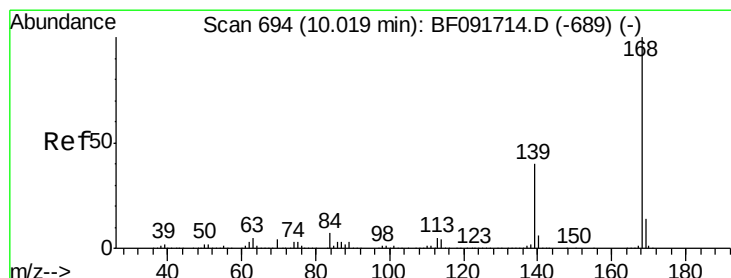
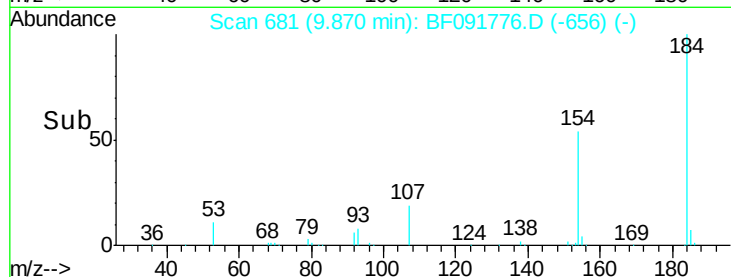
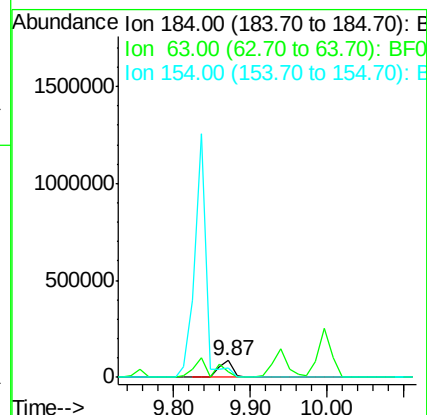
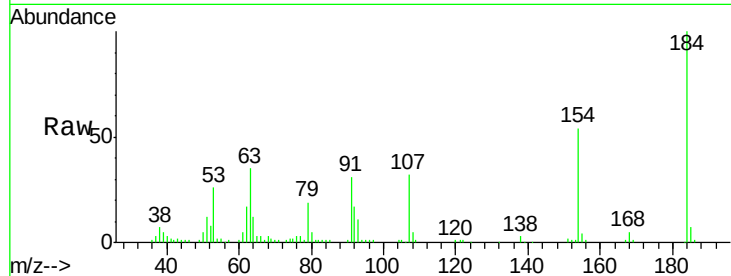




#53  
2,4-Dinitrophenol  
Concen: 29.34 ng  
RT: 9.87 min Scan# 681  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

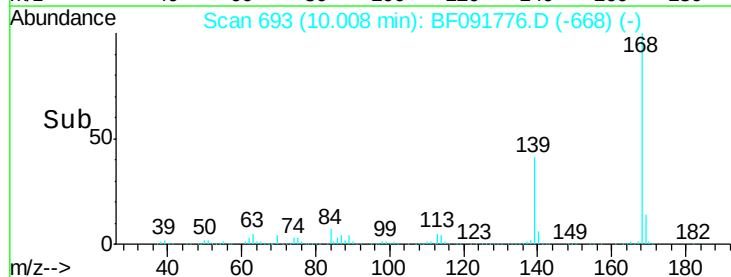
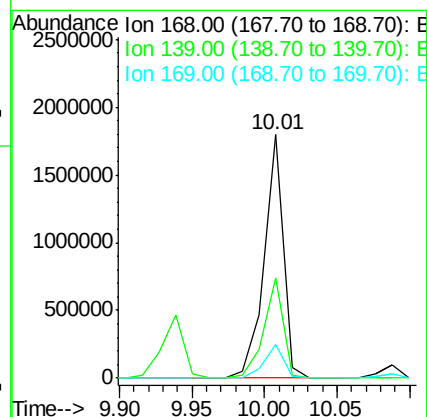
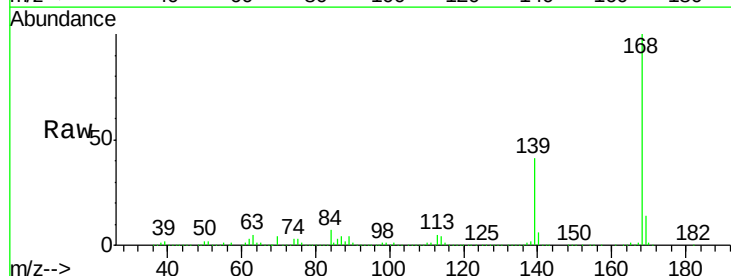
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

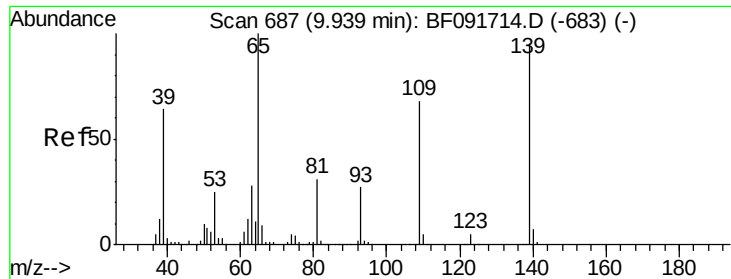
Tot Ion:184 Resp: 110546  
Ion Ratio Lower Upper  
184 100  
63 35.4 28.4 42.6  
154 54.3 44.3 66.5



#54  
Dibenzofuran  
Concen: 49.95 ng  
RT: 10.01 min Scan# 693  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:168 Resp: 1647382  
Ion Ratio Lower Upper  
168 100  
139 41.4 32.6 49.0  
169 13.9 11.3 16.9





#55

4-Nitrophenol

Concen: 81.86 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

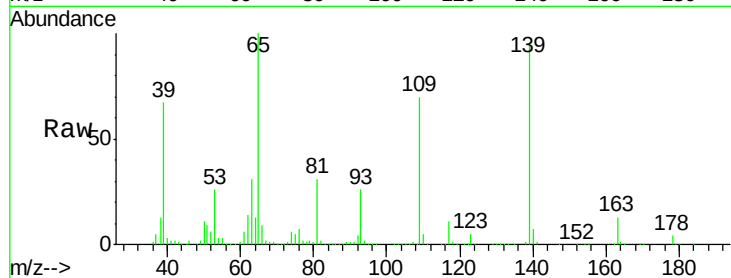
Tot Ion:139 Resp: 493656

Ion Ratio Lower Upper

139 100

109 72.9 52.2 92.2

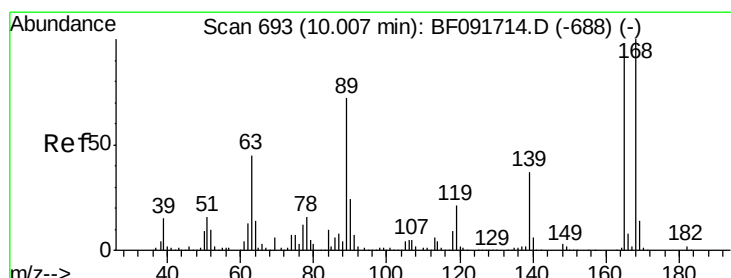
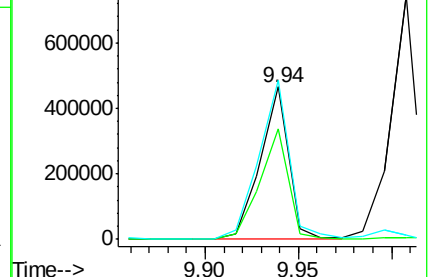
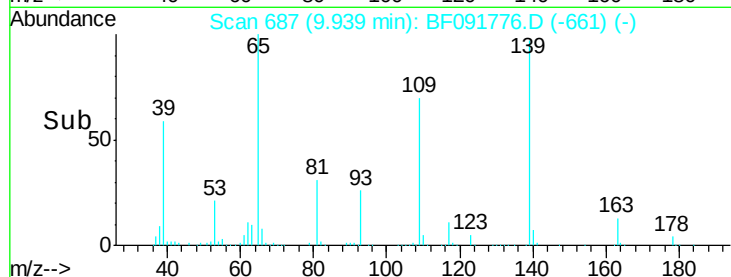
65 104.5 85.8 125.8



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 48.78 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Tgt Ion:165 Resp: 424946

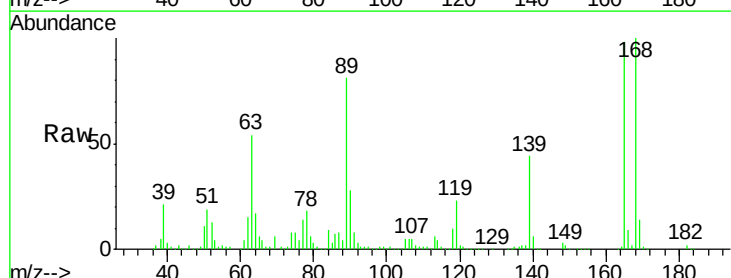
Ion Ratio Lower Upper

165 100

63 55.0 40.2 60.4

89 82.9 62.5 93.7

182 2.1 1.8 2.8

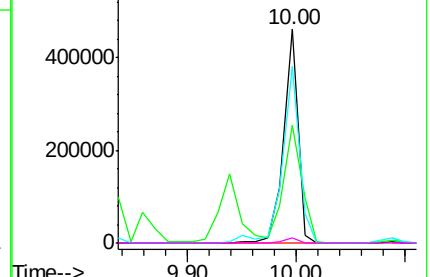
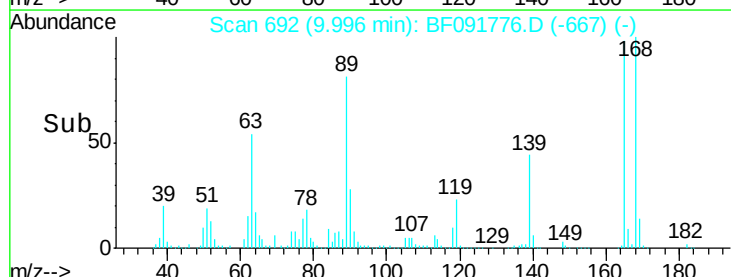


Abundance Ion 165.00 (164.70 to 165.70): E

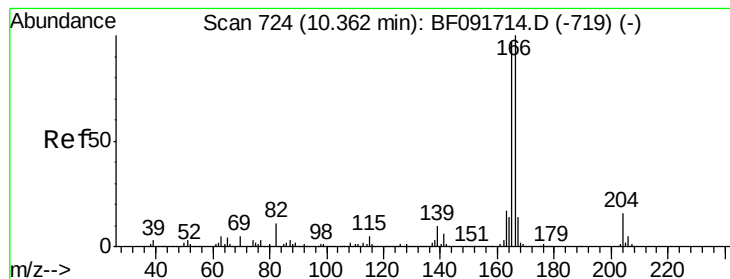
Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E







#57

Fluorene

Concen: 50.60 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

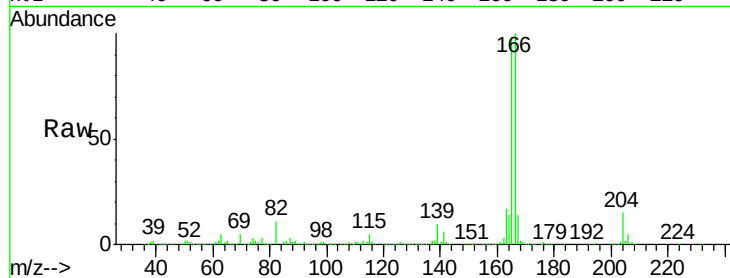
Tot Ion:166 Resp: 1296490

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.8

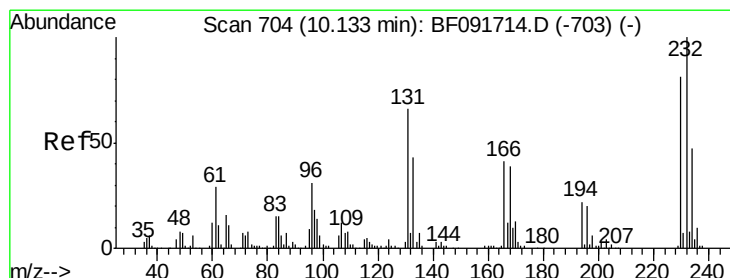
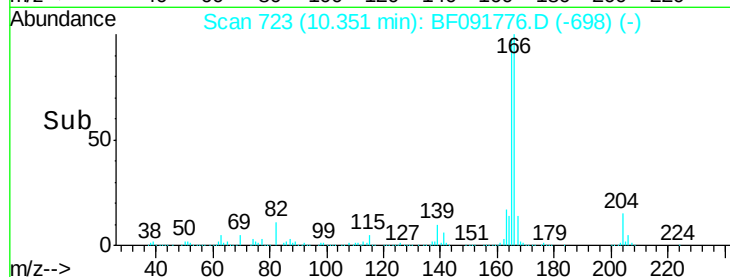
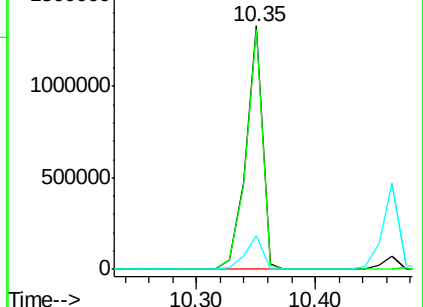
167 13.8 10.8 16.2



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: 50.65 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Tgt Ion:232 Resp: 356773

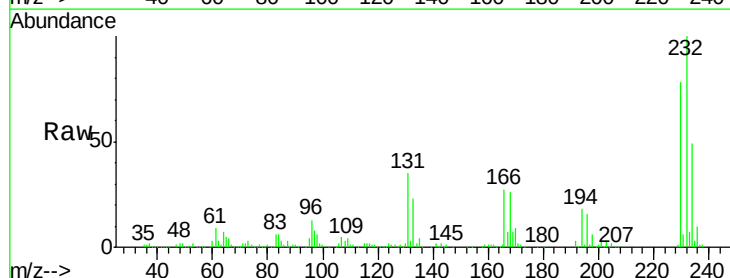
Ion Ratio Lower Upper

232 100

131 49.7 40.1 60.1

130 2.6 1.8 2.8

166 32.7 26.6 39.8

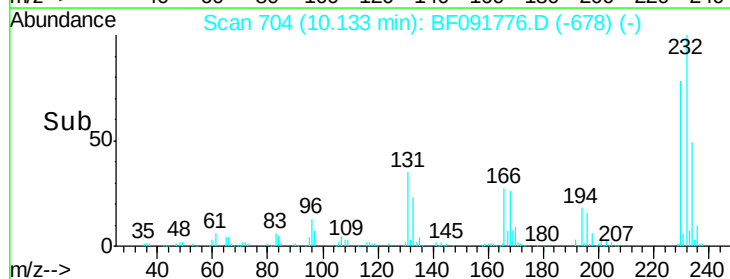
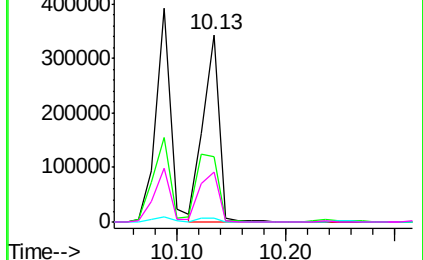


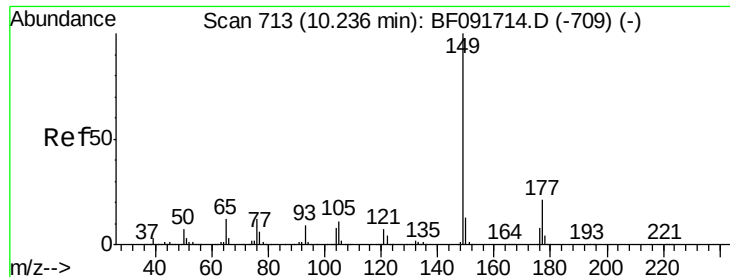
Abundance Ion 232.00 (231.70 to 232.70): E

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

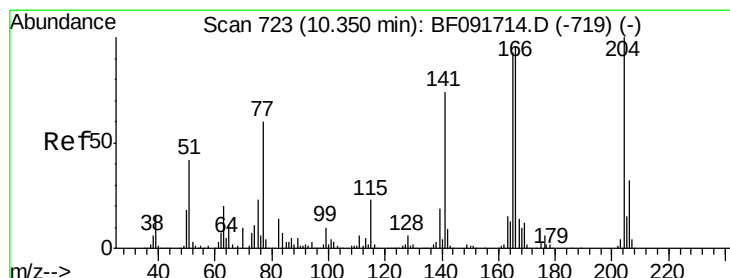
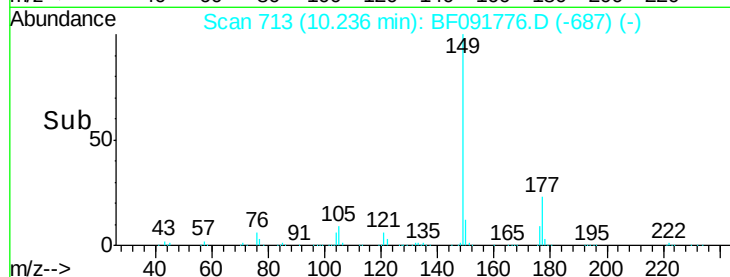
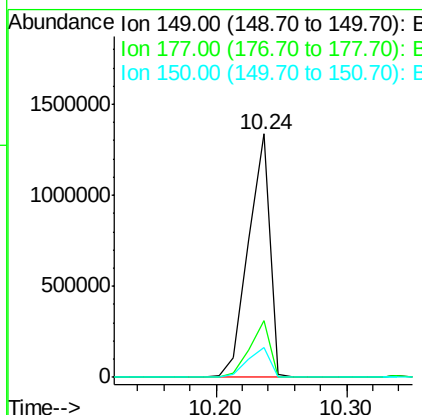
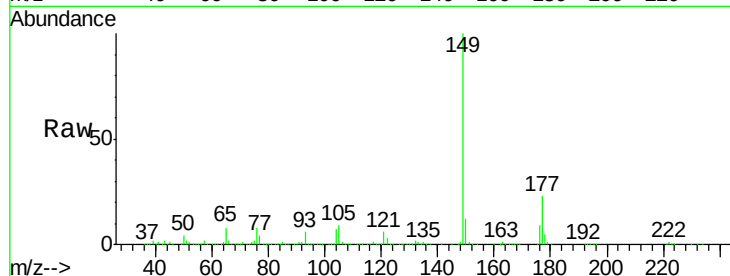




#59  
Diethylphthalate  
Concen: 48.82 ng  
RT: 10.24 min Scan# 713  
Delta R.T. 0.00 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

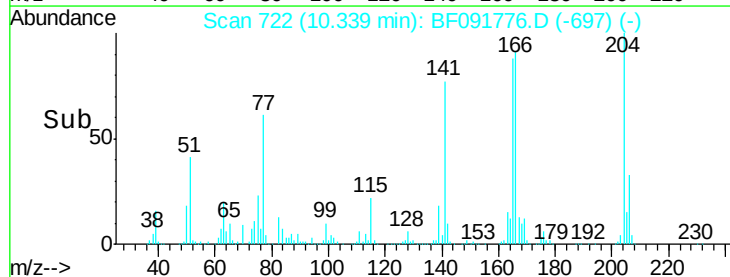
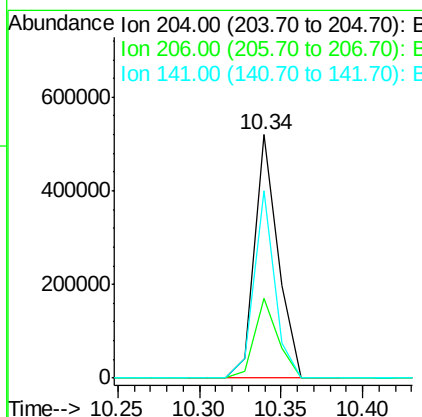
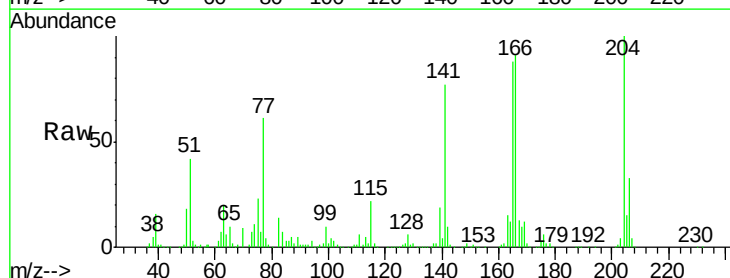
Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

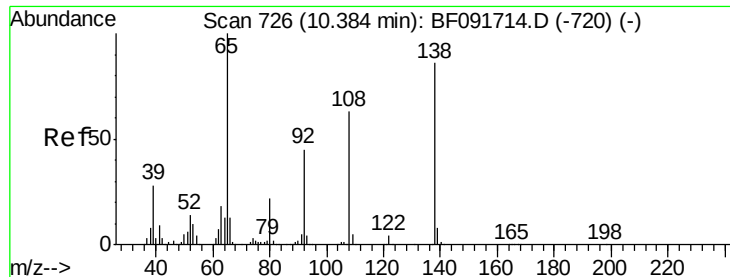
Tot Ion:149 Resp: 1526440  
Ion Ratio Lower Upper  
149 100  
177 23.3 16.6 25.0  
150 12.2 10.4 15.6



#60  
4-Chlorophenyl-phenylether  
Concen: 44.89 ng  
RT: 10.34 min Scan# 722  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:204 Resp: 523879  
Ion Ratio Lower Upper  
204 100  
206 32.8 25.8 38.6  
141 76.8 59.4 89.0





#61

4-Nitroaniline

Concen: 36.89 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

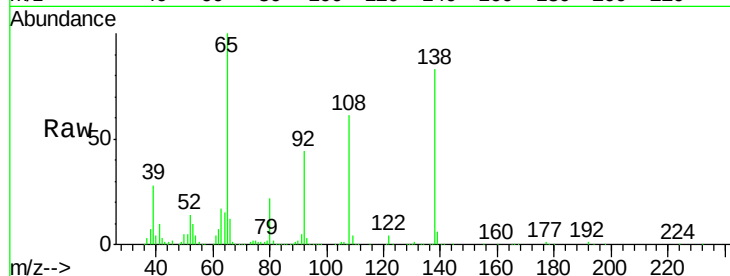
Tot Ion:138 Resp: 303470

Ion Ratio Lower Upper

138 100

92 53.2 31.7 71.7

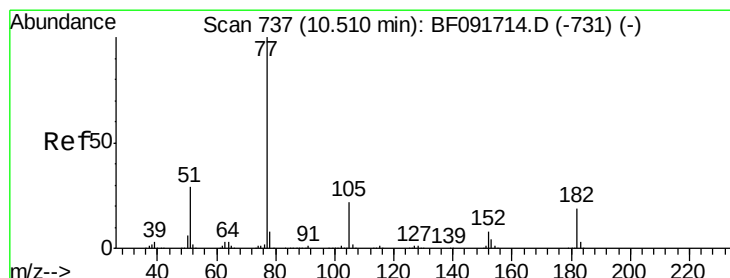
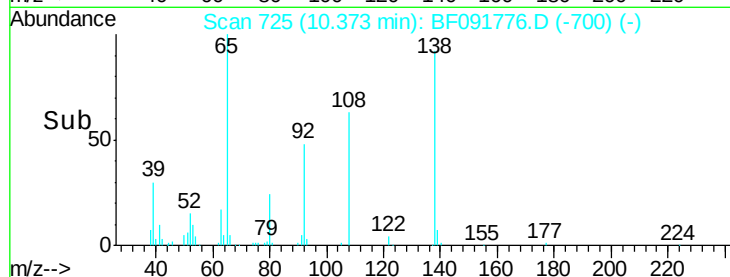
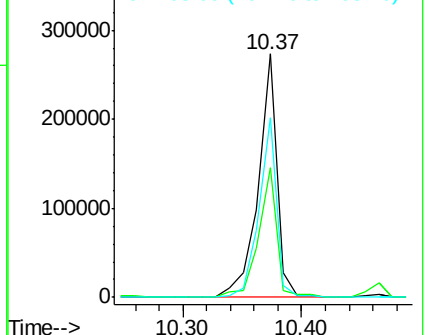
108 73.7 52.6 92.6



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: 45.67 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Tgt Ion: 77 Resp: 1519307

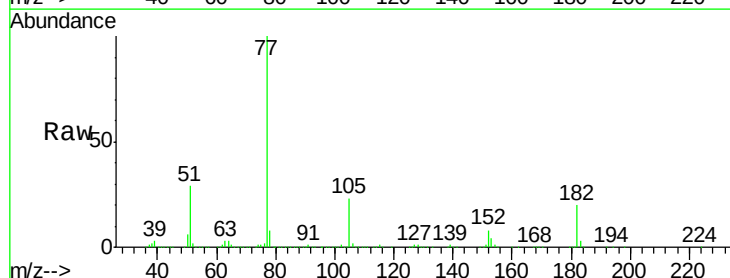
Ion Ratio Lower Upper

77 100

182 19.6 0.0 39.3

105 22.6 2.3 42.3

51 29.0 8.9 48.9

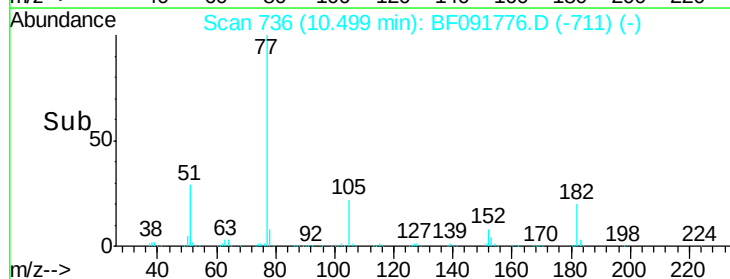
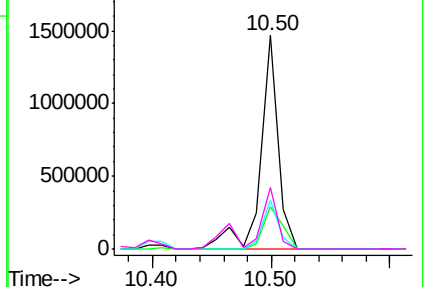


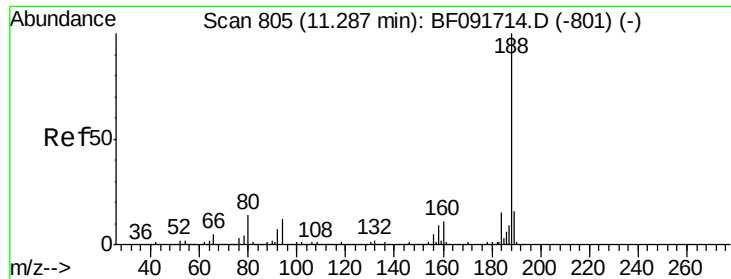
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

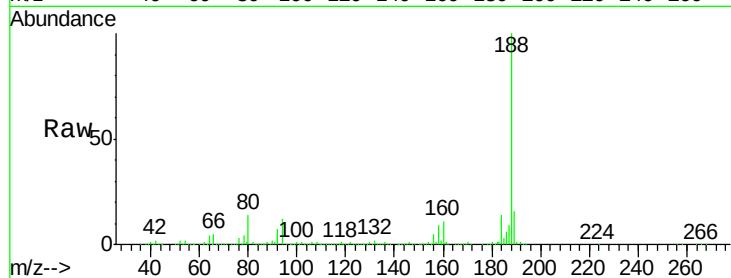




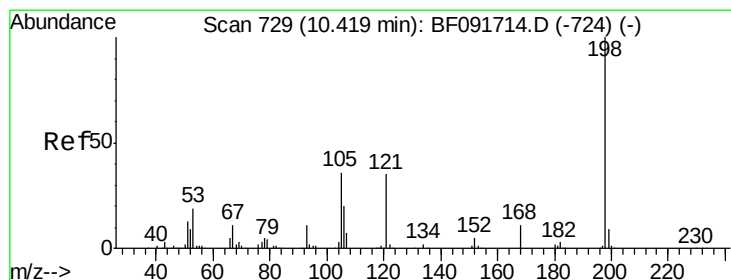
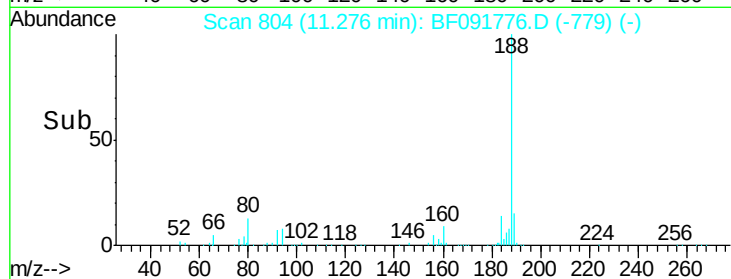
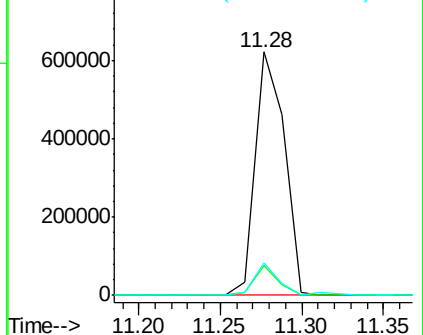
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.28 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:188 Resp: 774791  
Ion Ratio Lower Upper  
188 100  
94 12.4 10.0 15.0  
80 13.6 11.2 16.8

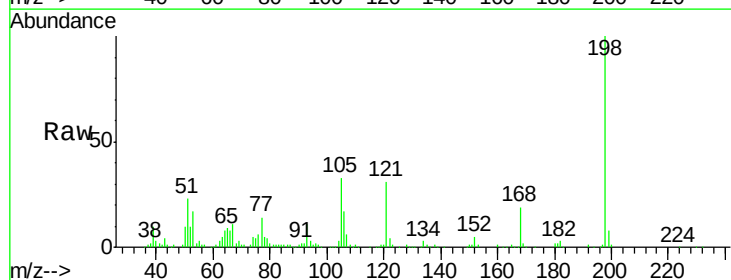


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

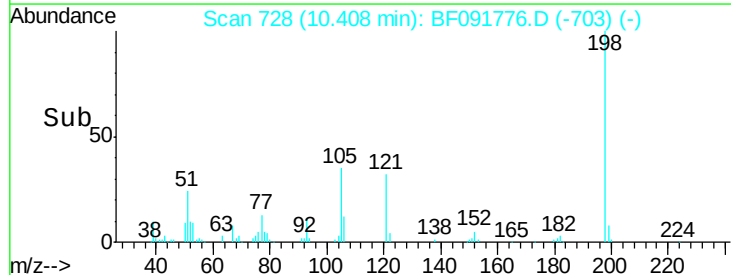
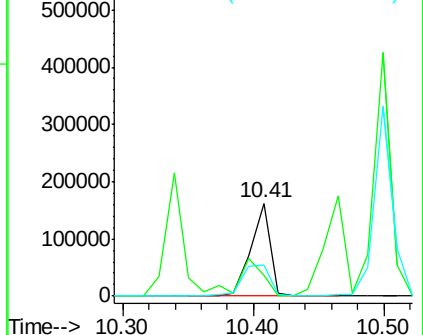


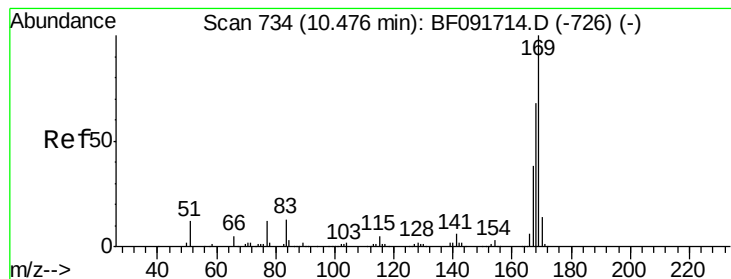
#64  
4,6-Dinitro-2-methylphenol  
Concen: 32.78 ng  
RT: 10.41 min Scan# 728  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:198 Resp: 167511  
Ion Ratio Lower Upper  
198 100  
51 22.5 6.7 46.7  
105 33.3 16.6 56.6



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.94 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

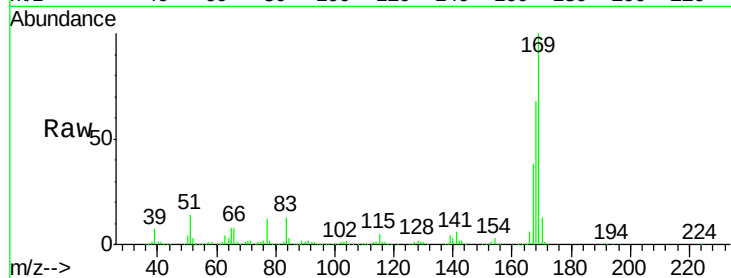
Tot Ion:169 Resp: 1177498

Ion Ratio Lower Upper

169 100

168 68.3 54.2 81.2

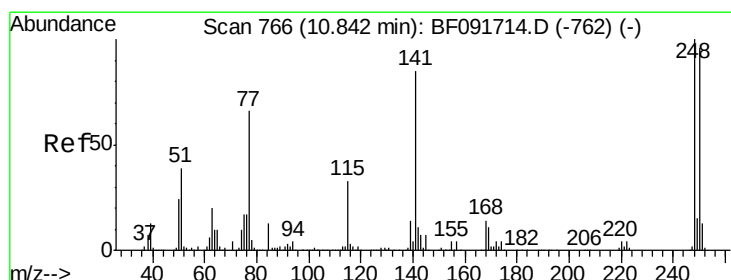
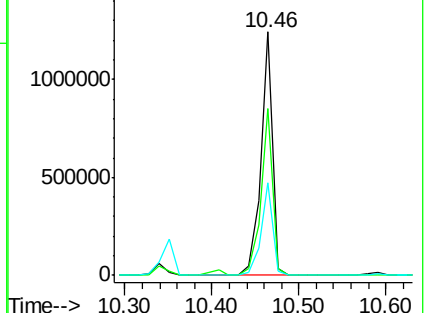
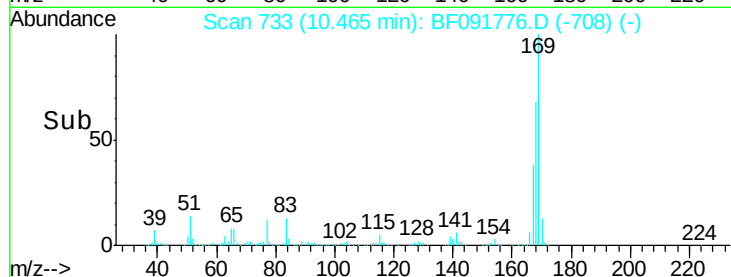
167 38.1 30.2 45.4



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: 47.14 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

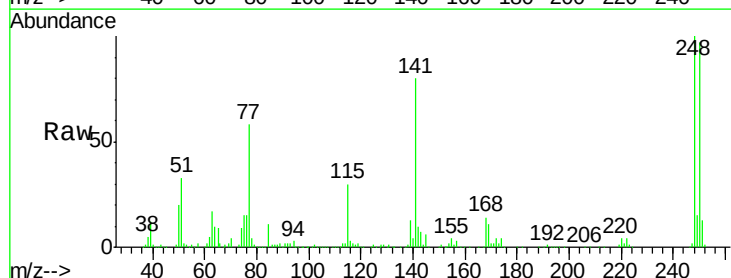
Tgt Ion:248 Resp: 382958

Ion Ratio Lower Upper

248 100

250 97.1 76.9 115.3

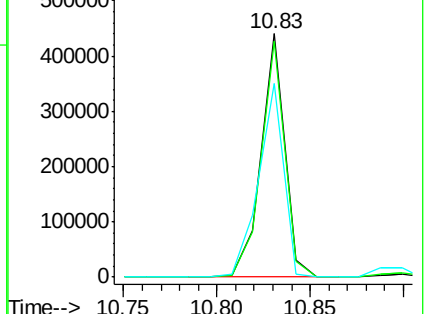
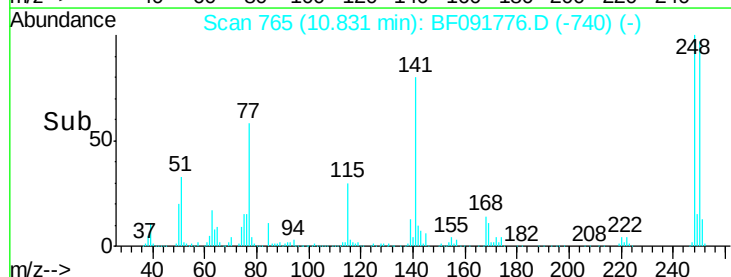
141 79.8 68.2 102.4

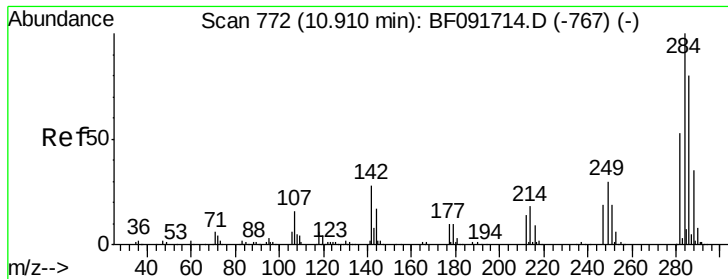


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

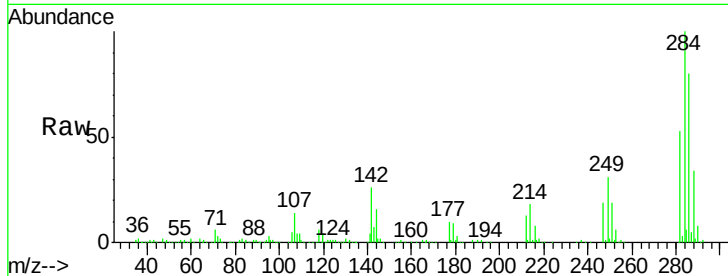




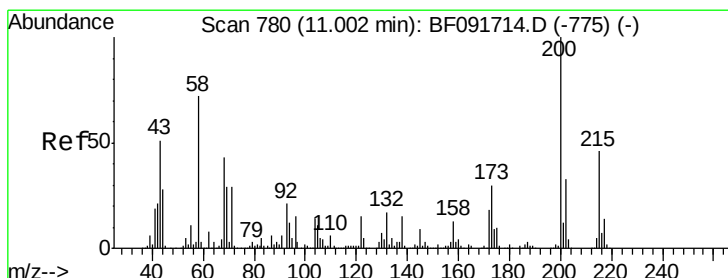
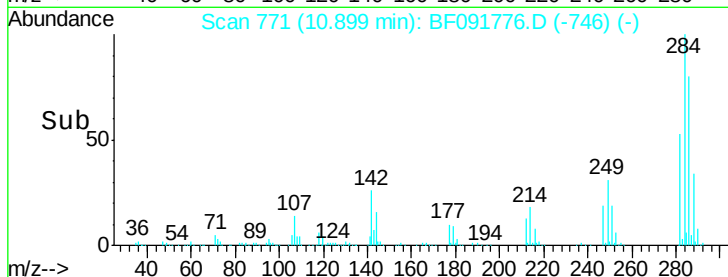
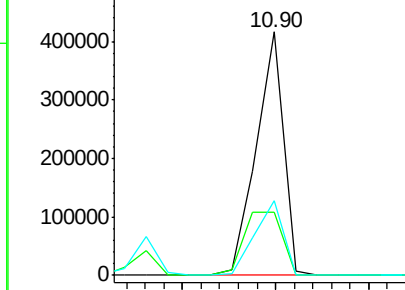
#67  
Hexachlorobenzene  
Concen: 49.19 ng  
RT: 10.90 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:284 Resp: 418827  
Ion Ratio Lower Upper  
284 100  
142 25.9 22.6 33.8  
249 30.7 25.4 38.0

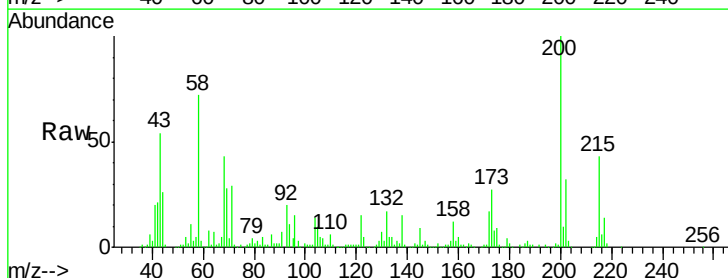


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

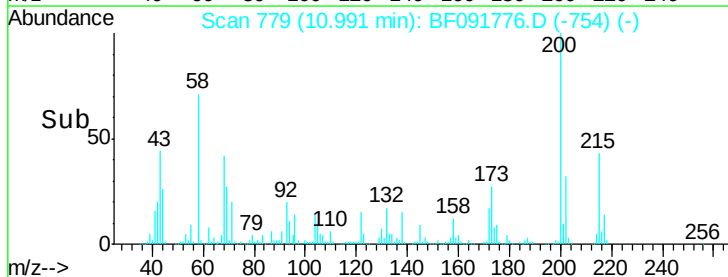
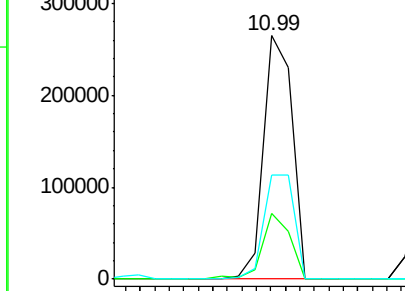


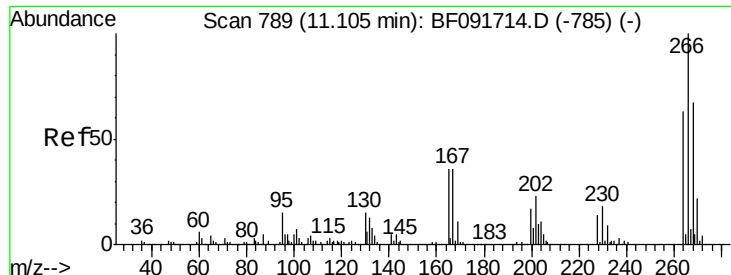
#68  
Atrazine  
Concen: 49.79 ng  
RT: 10.99 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:200 Resp: 362024  
Ion Ratio Lower Upper  
200 100  
173 27.2 9.6 49.6  
215 43.0 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

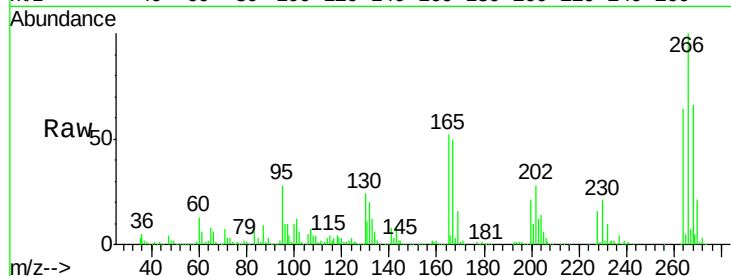




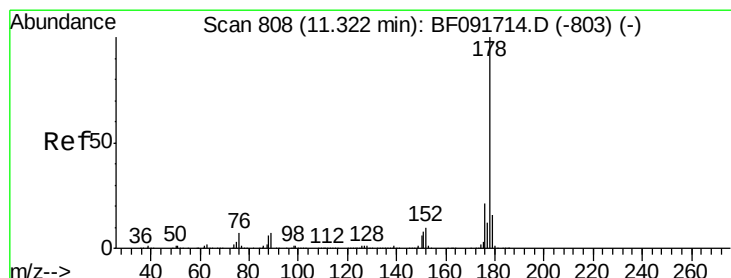
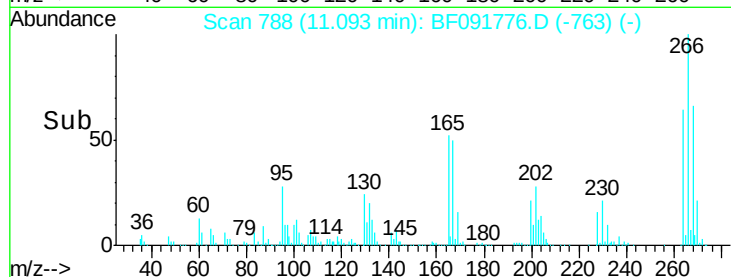
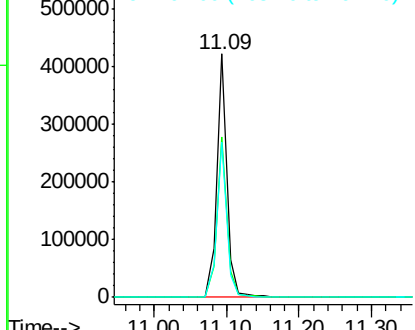
#69  
 Pentachlorophenol  
 Concen: 89.48 ng  
 RT: 11.09 min Scan# 788  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:266 Resp: 411076  
 Ion Ratio Lower Upper  
 266 100  
 268 66.0 53.3 79.9  
 264 63.9 50.3 75.5

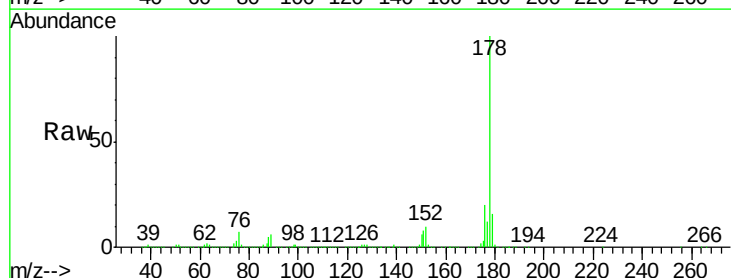


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

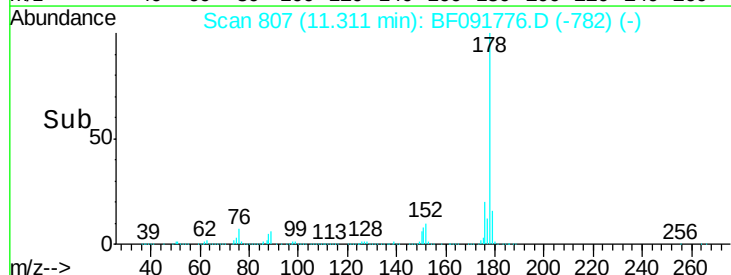
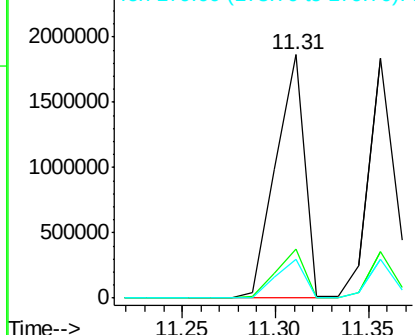


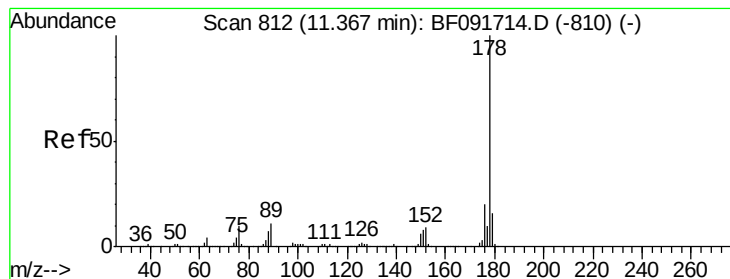
#70  
 Phenanthrene  
 Concen: 51.72 ng  
 RT: 11.31 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:178 Resp: 2002454  
 Ion Ratio Lower Upper  
 178 100  
 176 20.0 16.6 25.0  
 179 16.0 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: 42.54 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

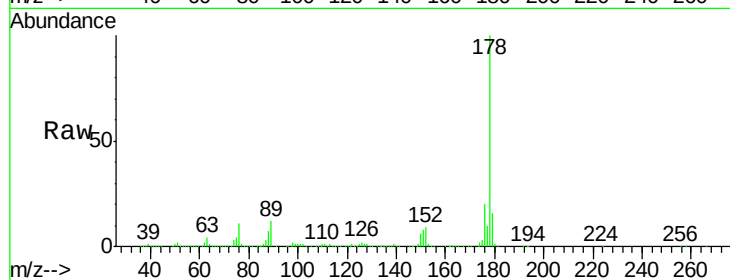
Tot Ion:178 Resp: 1744394

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

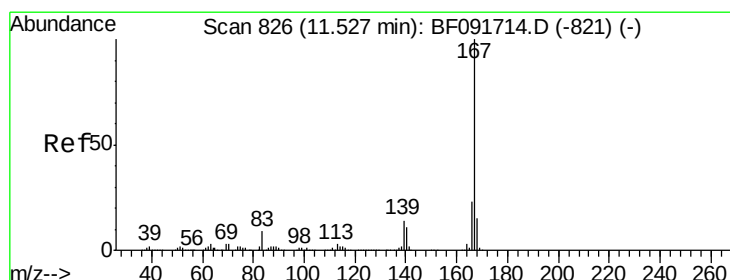
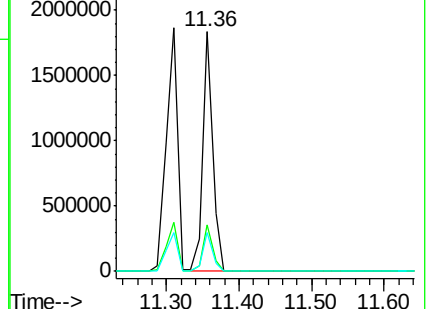
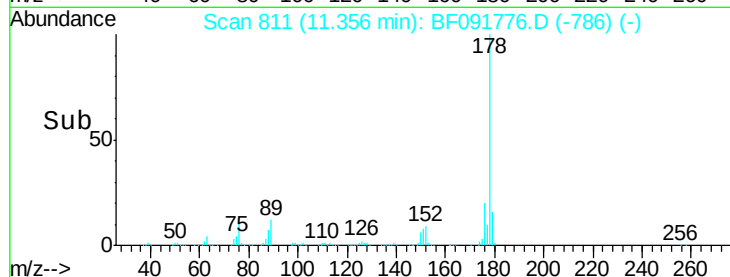
179 16.1 13.2 19.8



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: 49.37 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

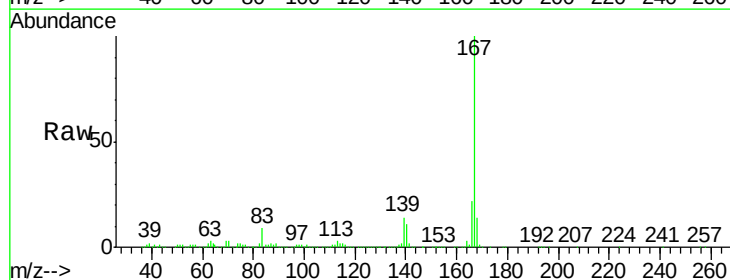
Tgt Ion:167 Resp: 1770350

Ion Ratio Lower Upper

167 100

166 22.3 18.2 27.2

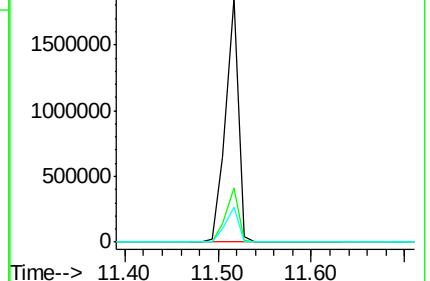
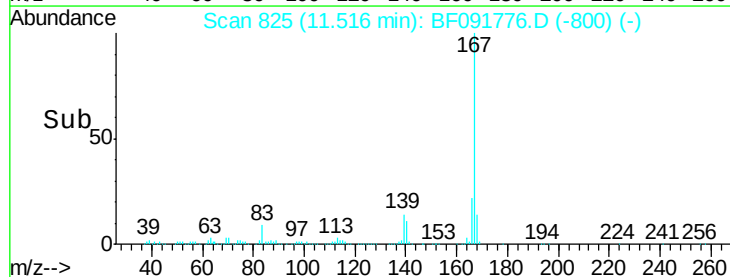
139 14.2 11.4 17.2



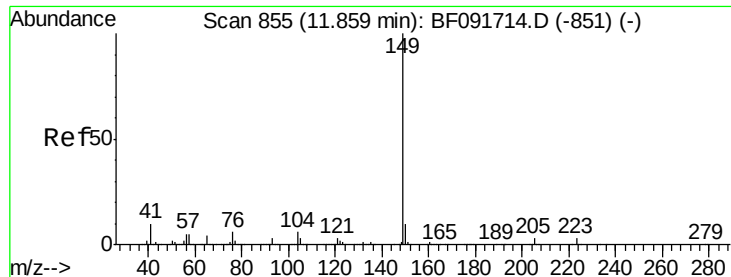
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 42.39 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

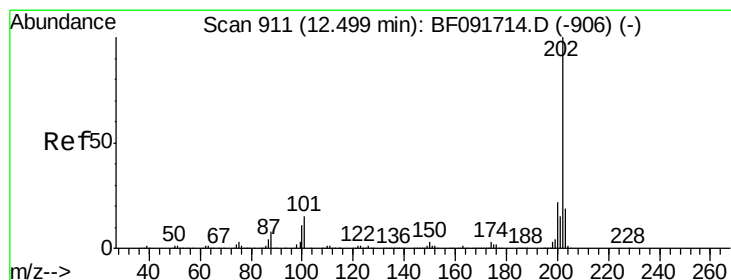
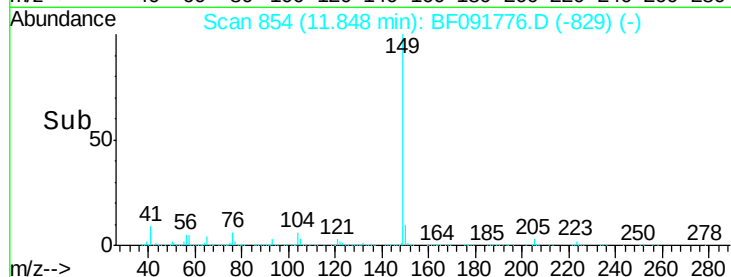
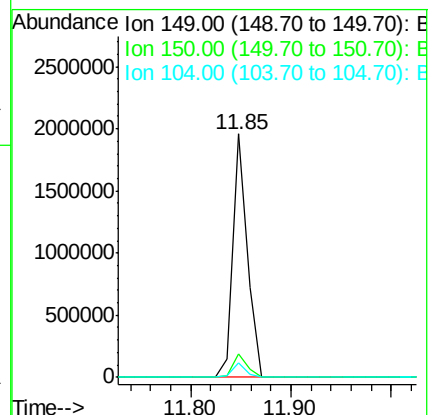
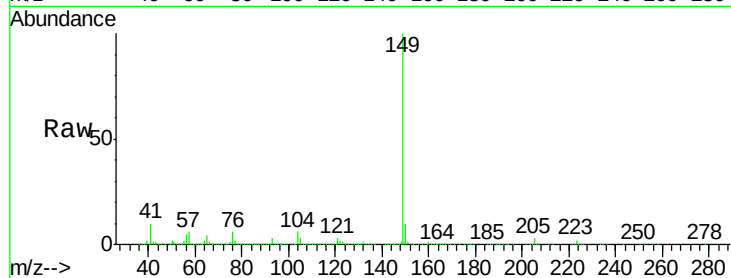
Tot Ion:149 Resp: 1948700

Ion Ratio Lower Upper

149 100

150 9.8 8.1 12.1

104 5.8 4.6 7.0



#74

Fluoranthene

Concen: 43.37 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

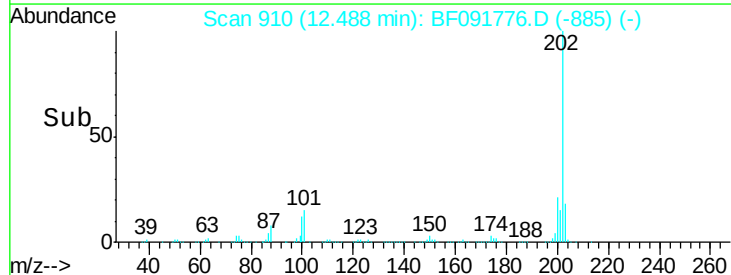
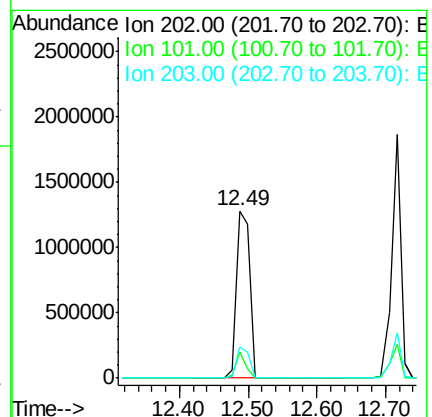
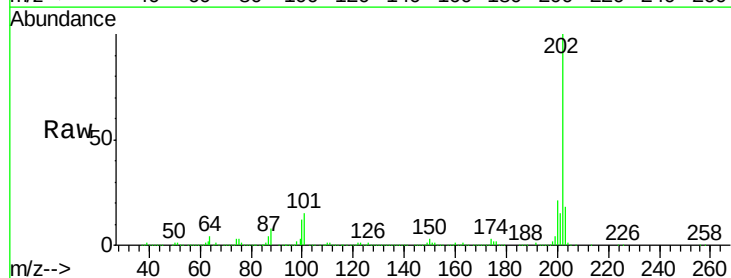
Tgt Ion:202 Resp: 1753631

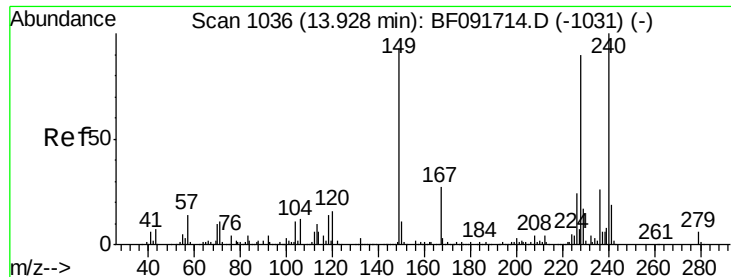
Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.6

203 18.4 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

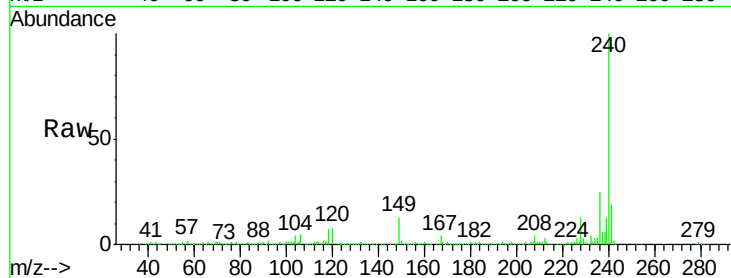
Tot Ion:240 Resp: 439875

Ion Ratio Lower Upper

240 100

120 7.6 12.9 19.3#

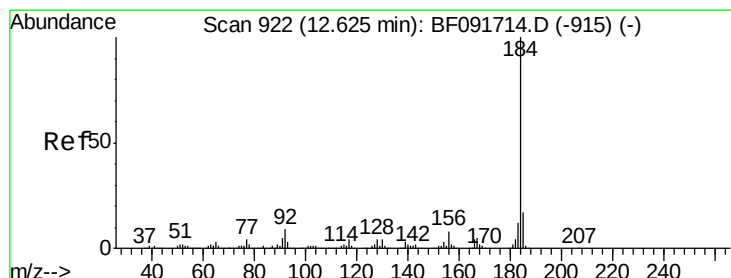
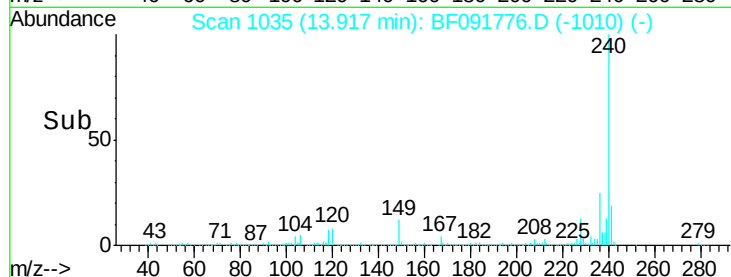
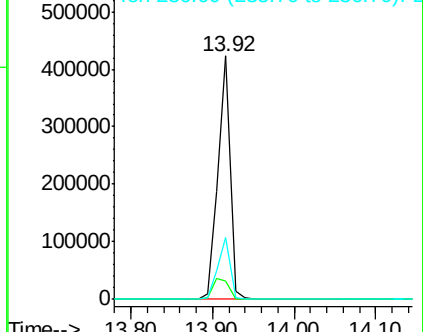
236 25.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 28.70 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

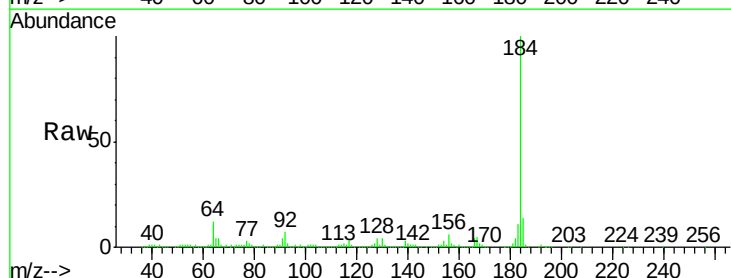
Tgt Ion:184 Resp: 363379

Ion Ratio Lower Upper

184 100

185 14.5 13.4 20.0

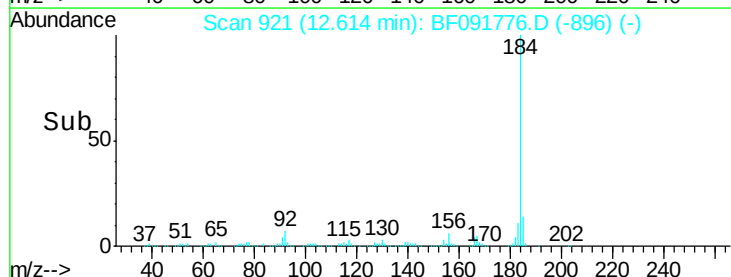
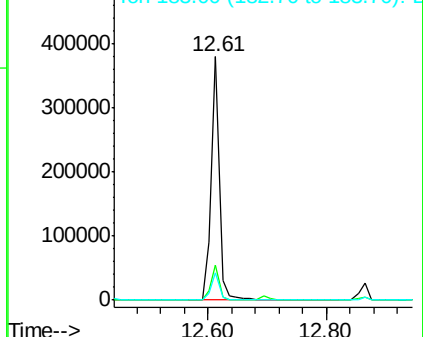
183 11.2 9.2 13.8

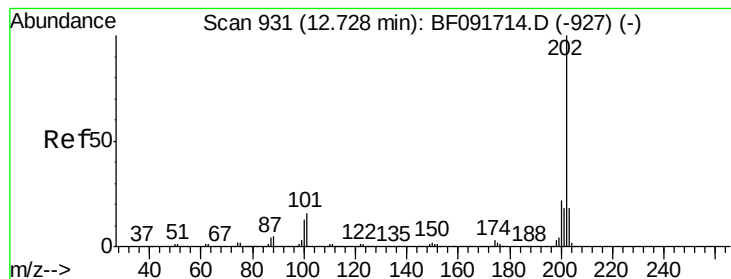


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 54.00 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

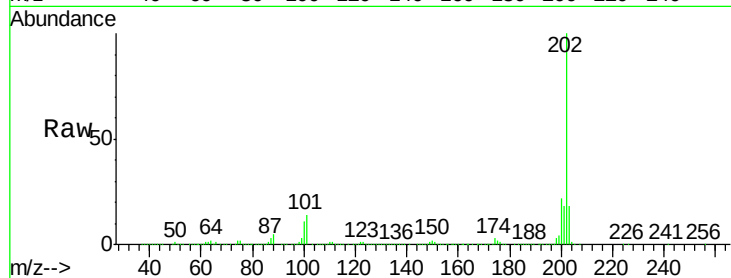
Tot Ion:202 Resp: 1715329

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

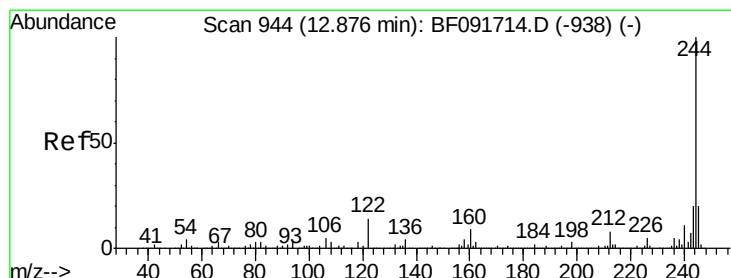
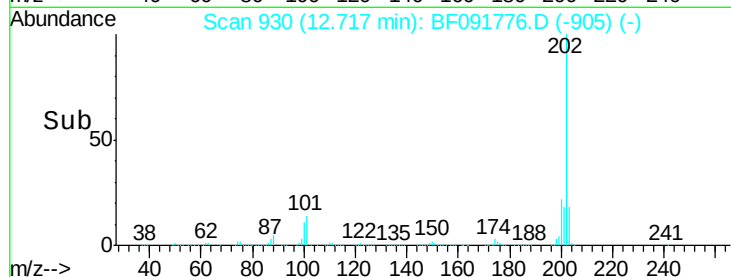
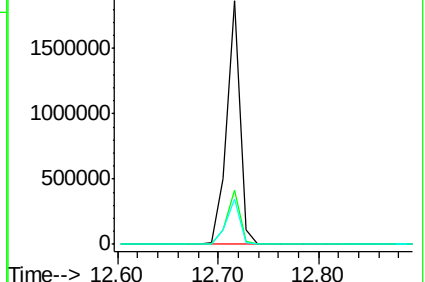
203 18.4 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 103.91 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

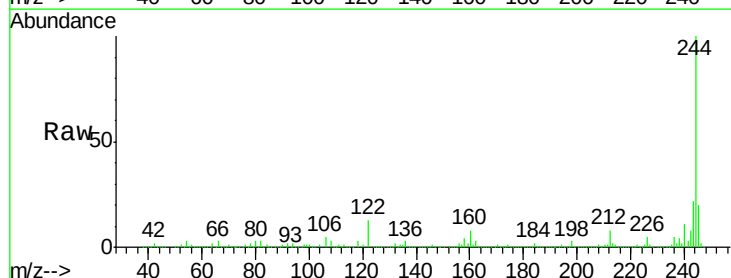
Tgt Ion:244 Resp: 1810179

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

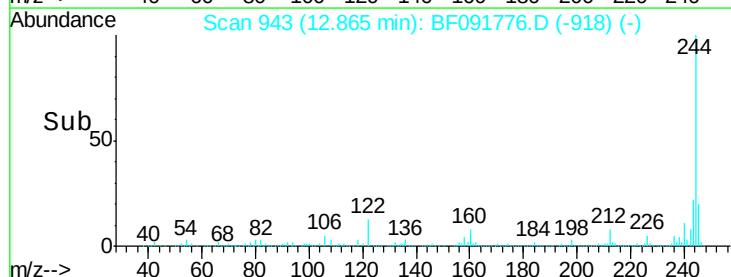
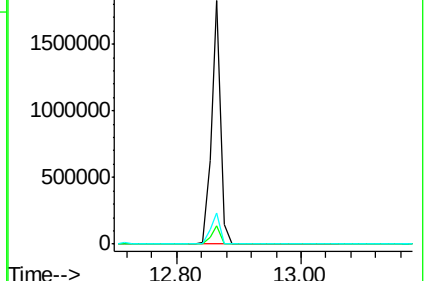
122 13.0 11.4 17.2

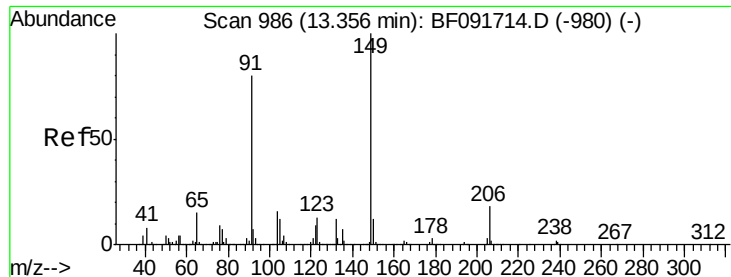


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 55.76 ng

RT: 13.35 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

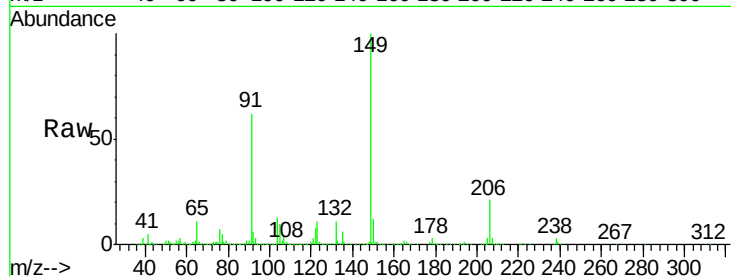
Tot Ion:149 Resp: 829011

Ion Ratio Lower Upper

149 100

91 61.5 63.9 95.9#

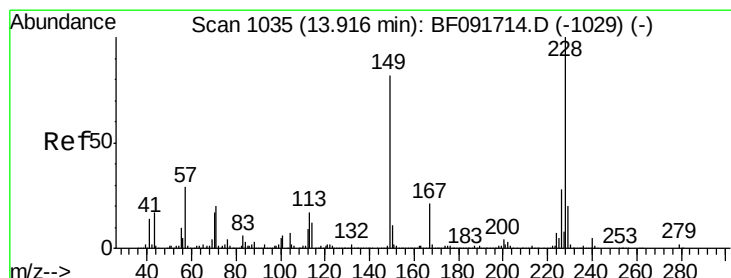
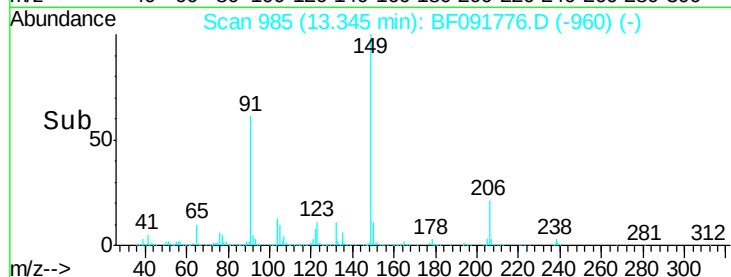
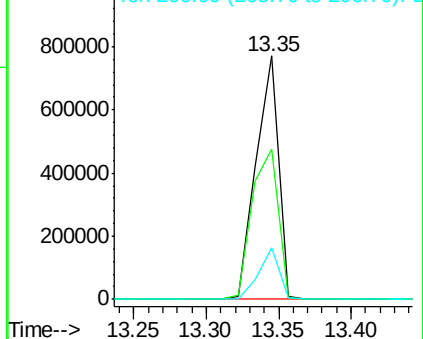
206 21.0 14.6 21.8



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: 47.01 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

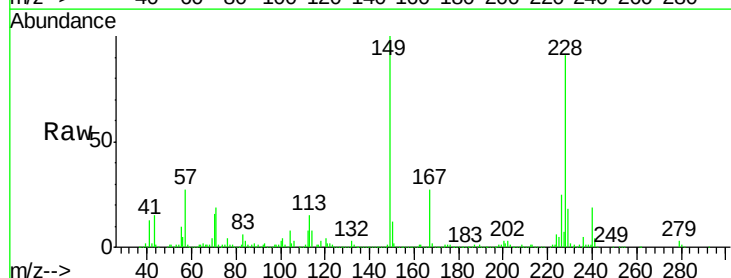
Tgt Ion:228 Resp: 1182709

Ion Ratio Lower Upper

228 100

226 27.7 22.4 33.6

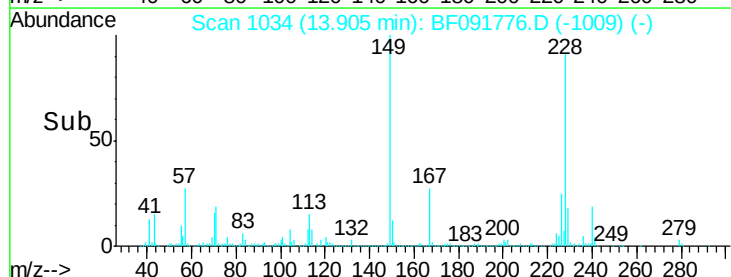
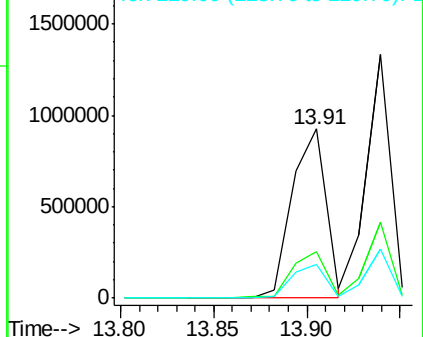
229 19.7 16.2 24.4

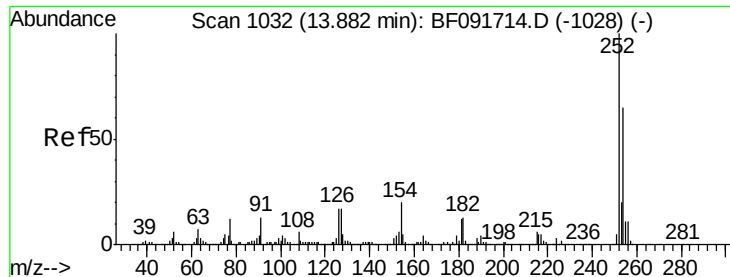


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

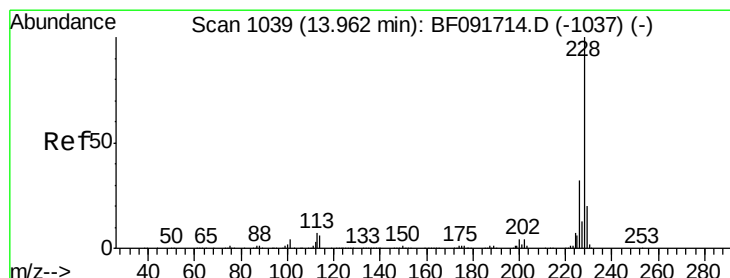
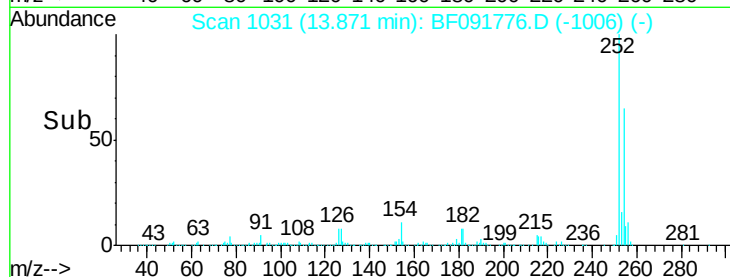
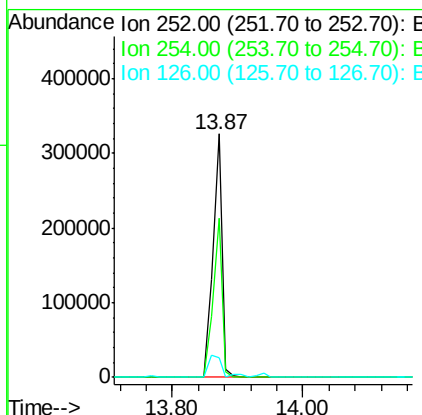
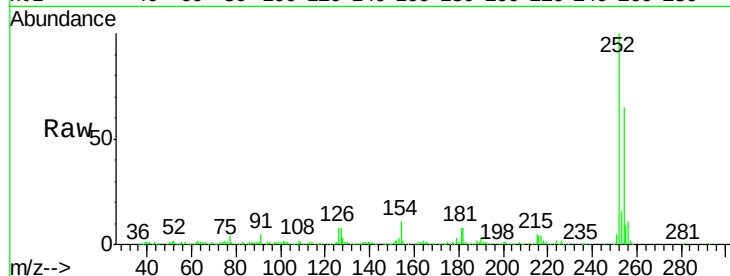




#81  
 3,3'-Dichlorobenzidine  
 Concen: 32.58 ng  
 RT: 13.87 min Scan# 1031  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

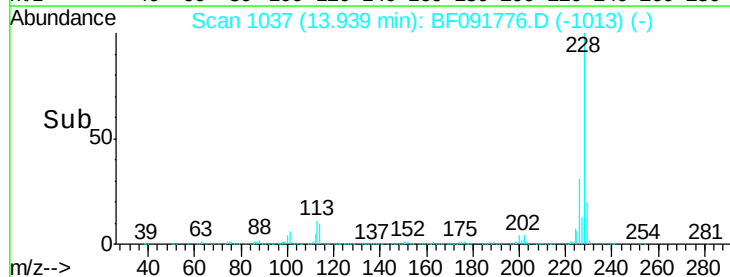
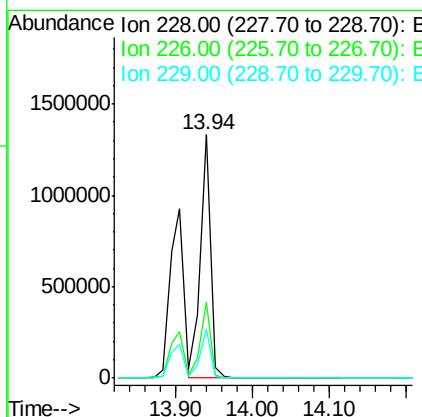
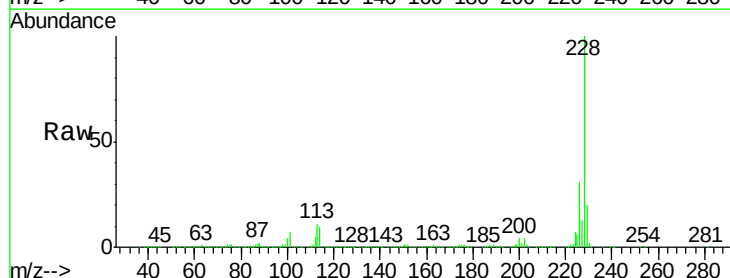
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

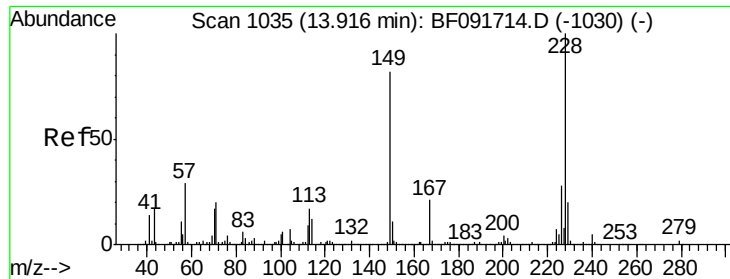
Tot Ion:252 Resp: 327958  
 Ion Ratio Lower Upper  
 252 100  
 254 65.2 52.3 78.5  
 126 8.1 13.6 20.4#



#82  
 Chrysene  
 Concen: 46.39 ng  
 RT: 13.94 min Scan# 1037  
 Delta R.T. -0.02 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:228 Resp: 1209762  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 25.4 38.0  
 229 20.3 16.2 24.2

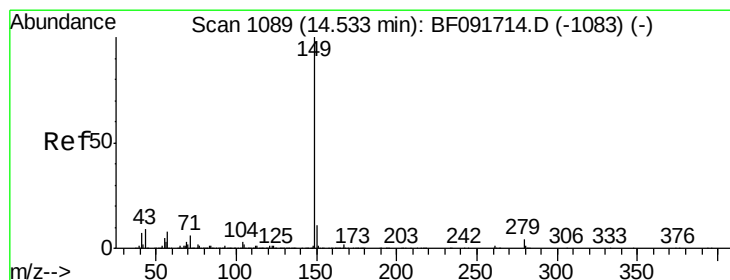
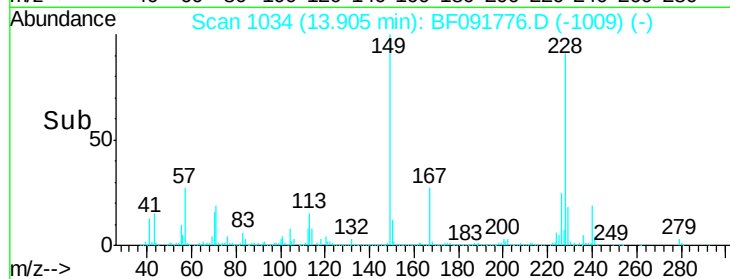
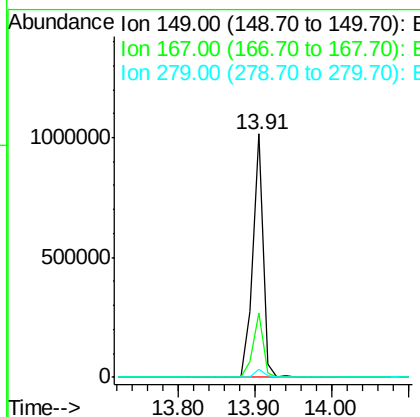
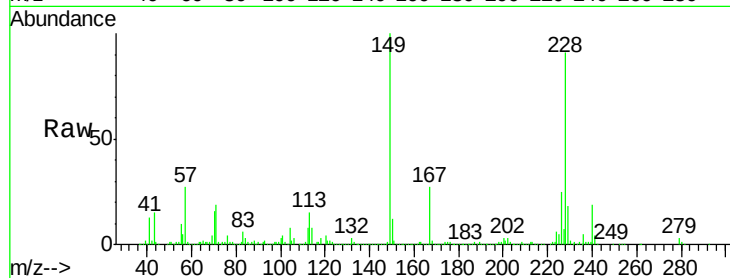




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.25 ng  
 RT: 13.91 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

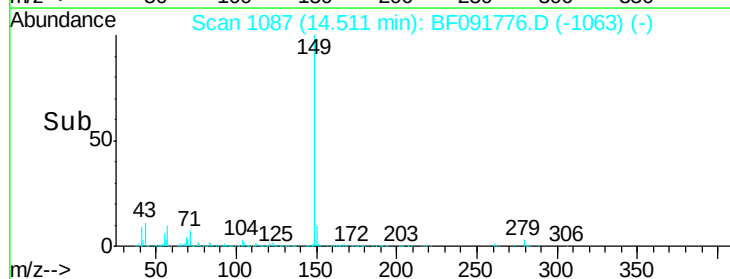
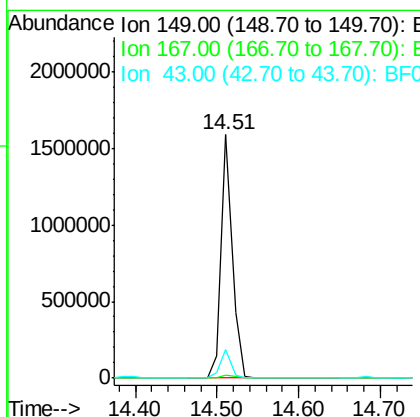
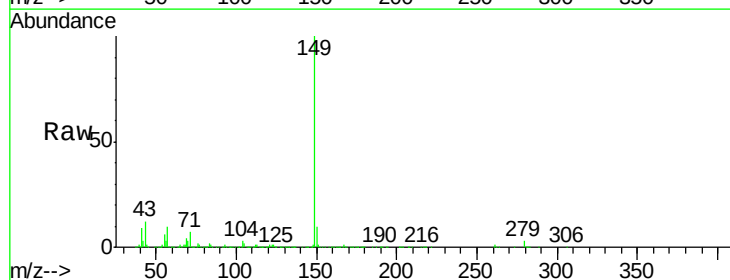
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

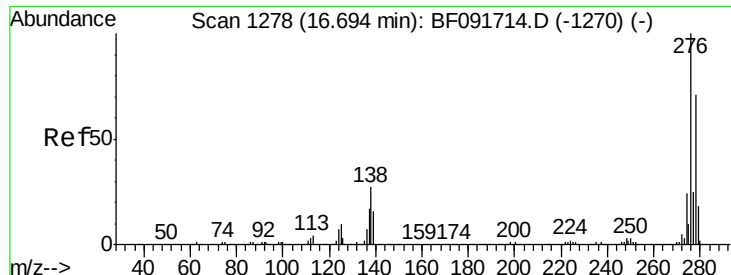
Tot Ion:149 Resp: 928915  
 Ion Ratio Lower Upper  
 149 100  
 167 26.5 20.2 30.4  
 279 3.3 1.8 2.8#



#84  
 Di-n-octyl phthalate  
 Concen: 43.10 ng  
 RT: 14.51 min Scan# 1087  
 Delta R.T. -0.02 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:149 Resp: 1498041  
 Ion Ratio Lower Upper  
 149 100  
 167 1.5 1.3 1.9  
 43 10.9 8.9 13.3



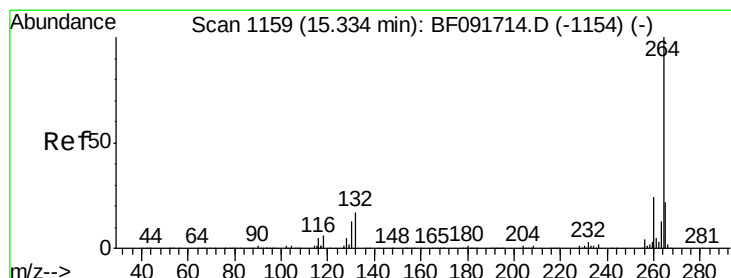
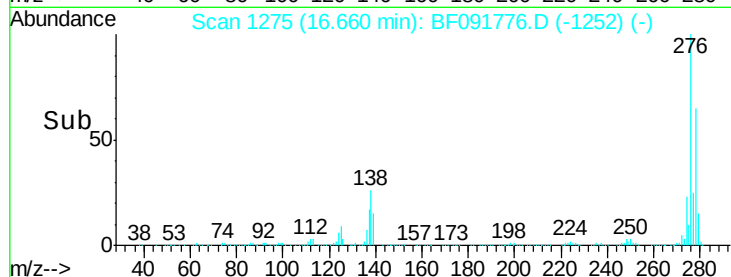
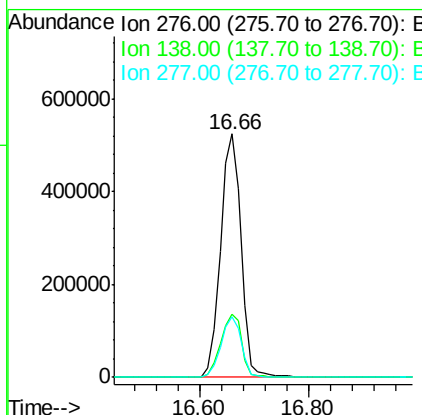
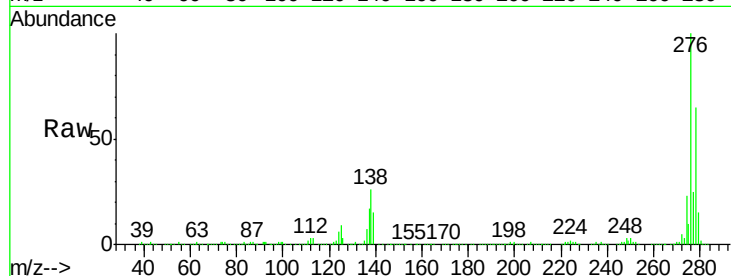


#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 53.93 ng  
 RT: 16.66 min Scan# 1275  
 Delta R.T. -0.03 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:276 Resp: 1382863  

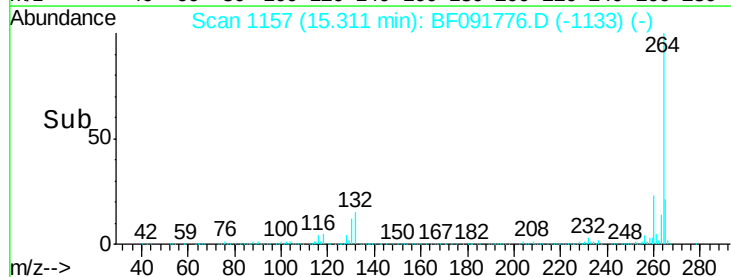
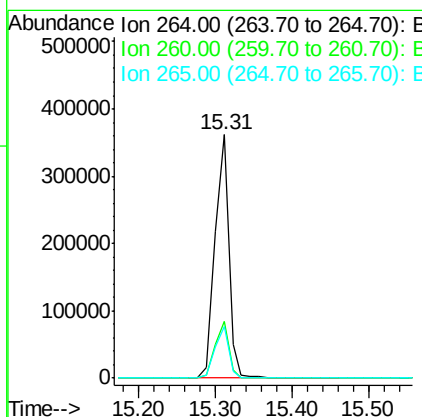
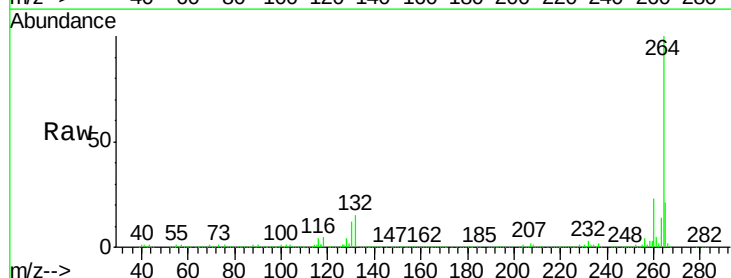
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 26.7  | 21.8  | 32.6  |
| 277 | 25.0  | 20.2  | 30.4  |

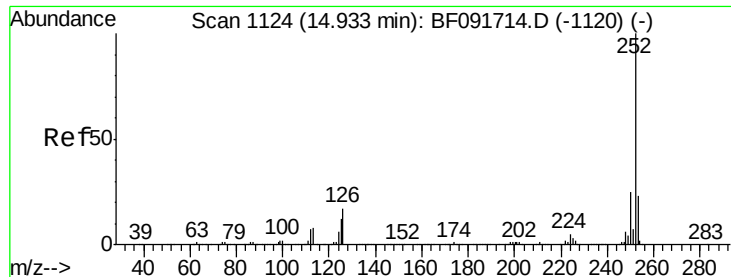


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.31 min Scan# 1157  
 Delta R.T. -0.02 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Tgt Ion:264 Resp: 452150  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 19.2  | 28.8  |
| 265 | 21.3  | 17.4  | 26.0  |





#87

Benzo(b)fluoranthene

Concen: 49.29 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

Instrument :

BNA\_F

ClientSampleId :

SB-49(22.5-24.5)-12-14-16MSD

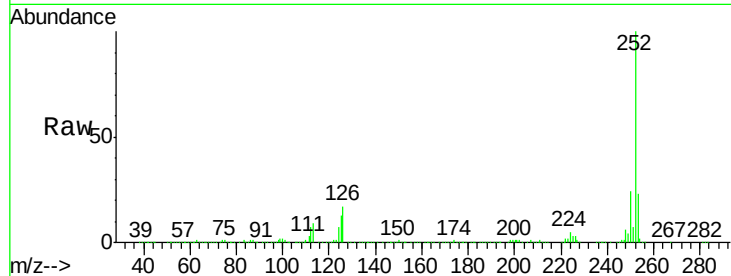
Tot Ion:252 Resp: 1413320

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

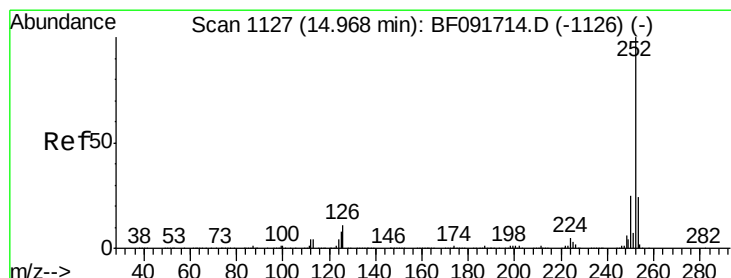
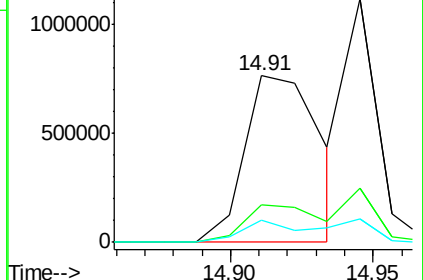
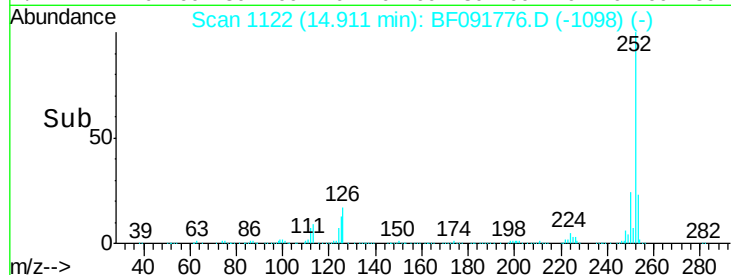
125 13.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 43.70 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF091776.D

Acq: 19 Dec 2016 12:17

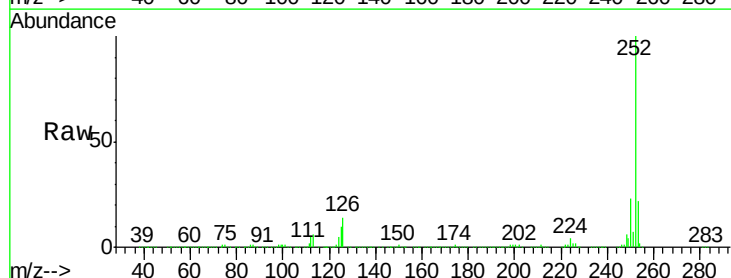
Tgt Ion:252 Resp: 879219

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

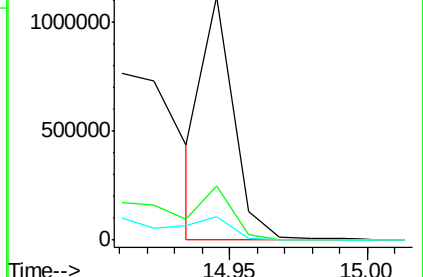
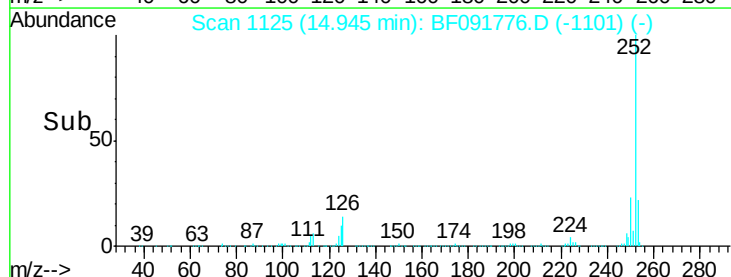
125 9.6 8.9 13.3



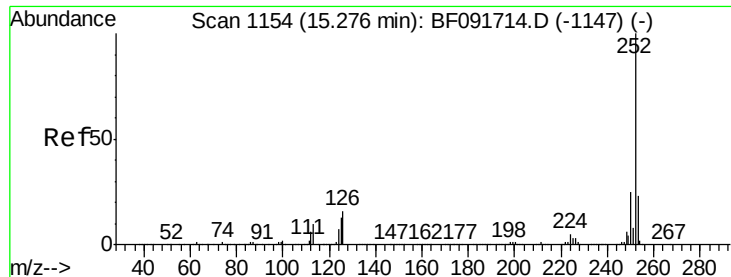
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



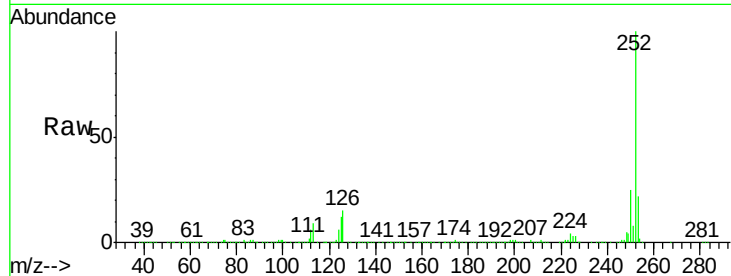




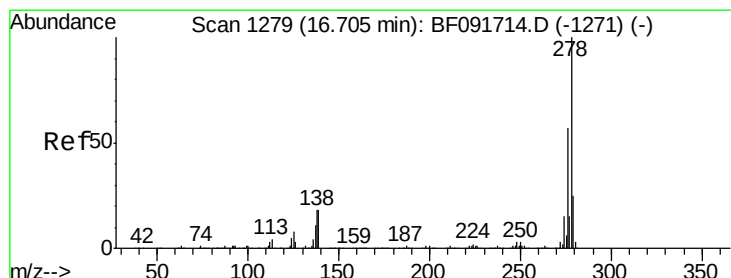
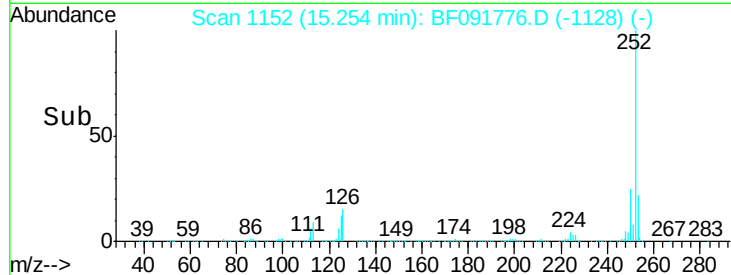
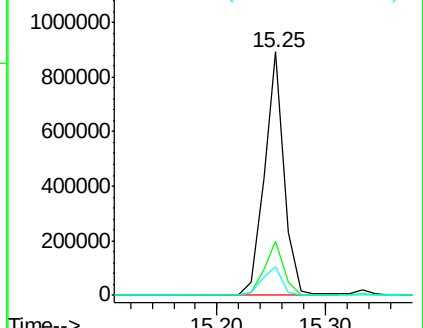
#89  
Benzo(a)pyrene  
Concen: 45.45 ng  
RT: 15.25 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Instrument :  
BNA\_F  
ClientSampleId :  
SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:252 Resp: 1118513  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.2 27.2  
125 11.7 10.0 15.0

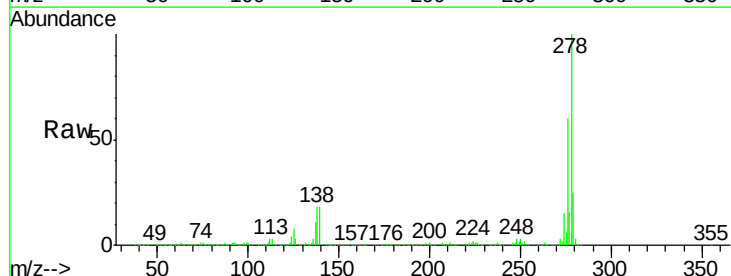


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

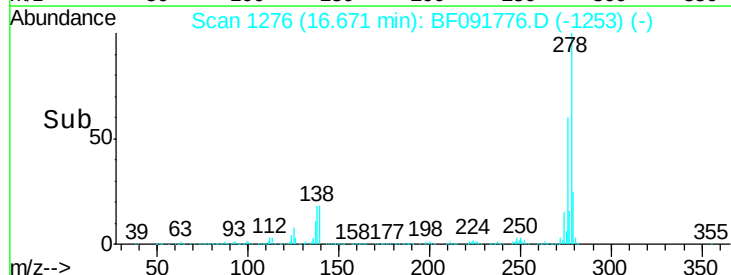
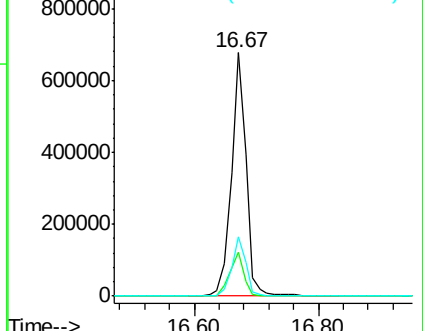


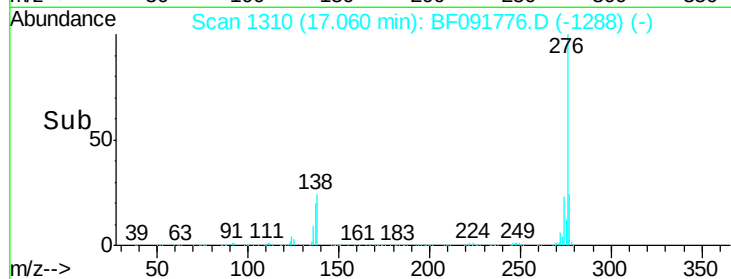
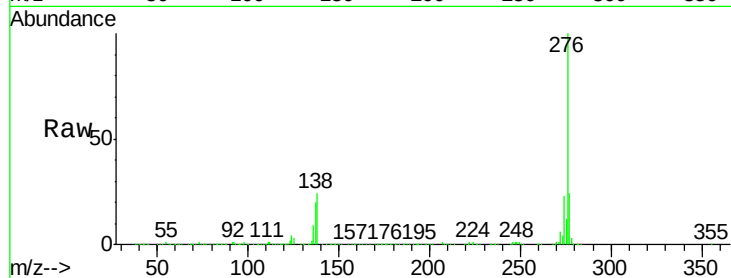
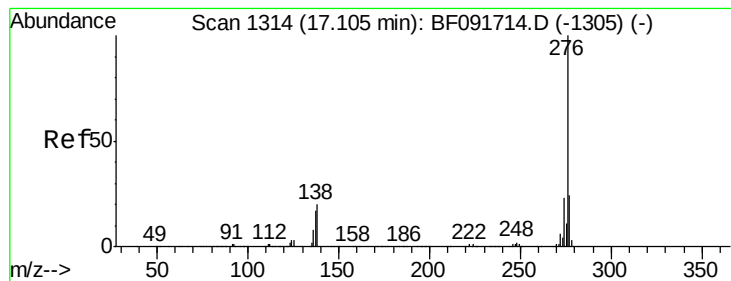
#90  
Dibenzo(a,h)anthracene  
Concen: 52.16 ng  
RT: 16.67 min Scan# 1276  
Delta R.T. -0.03 min  
Lab File: BF091776.D  
Acq: 19 Dec 2016 12:17

Tgt Ion:278 Resp: 1118919  
Ion Ratio Lower Upper  
278 100  
139 18.2 14.8 22.2  
279 24.6 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: 55.62 ng  
 RT: 17.06 min Scan# 1310  
 Delta R.T. -0.05 min  
 Lab File: BF091776.D  
 Acq: 19 Dec 2016 12:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-49(22.5-24.5)-12-14-16MSD

Tot Ion:276 Resp: 1212529  
 Ion Ratio Lower Upper  
 276 100  
 277 23.6 19.2 28.8  
 138 24.2 16.0 24.0#

