

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\  
 Data File : BF112269.D  
 Acq On : 28 Jan 2019 12:45  
 Operator : JU/SJ  
 Sample : PB116645BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

Quant Time: Jan 28 13:12:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 189003   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 742550   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.88  | 164  | 384774   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 763013   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.01 | 240  | 616776   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 512017   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.49  | 112  | 1340287  | 150.62 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 1672745  | 135.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 995827   | 77.27  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 576774   | 128.78 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 2072283  | 76.17  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.95 | 244  | 2376771  | 72.58  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.69 | 88   | 168356   | 47.496 | ng    | 95     |
| 3) Pyridine                    | 3.44 | 79   | 443503   | 49.187 | ng    | 99     |
| 4) n-Nitrosodimethylamine      | 3.38 | 42   | 201167   | 53.103 | ng    | 94     |
| 6) Aniline                     | 6.50 | 93   | 416831   | 28.340 | ng    | # 24   |
| 8) 2-Chlorophenol              | 6.63 | 128  | 493500   | 41.227 | ng    | 96     |
| 9) Benzaldehyde                | 6.39 | 77   | 108696   | 16.819 | ng    | 98     |
| 10) Phenol                     | 6.50 | 94   | 546339   | 40.275 | ng    | 93     |
| 11) bis(2-Chloroethyl)ether    | 6.57 | 93   | 427144   | 39.996 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.79 | 146  | 540597   | 38.778 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.86 | 146  | 545528   | 38.023 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 7.01 | 146  | 509537   | 37.932 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.99 | 79   | 403064   | 38.671 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45   | 547817   | 39.951 | ng    | 78     |
| 17) 2-Methylphenol             | 7.10 | 107  | 384496   | 40.520 | ng    | 94     |
| 18) Hexachloroethane           | 7.35 | 117  | 197026   | 39.107 | ng    | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70   | 324951   | 38.114 | ng    | 99     |
| 20) 3+4-Methylphenols          | 7.26 | 107  | 490362   | 40.411 | ng    | # 77   |
| 22) Acetophenone               | 7.25 | 105  | 652842   | 36.106 | ng    | # 97   |
| 24) Nitrobenzene               | 7.42 | 77   | 486482   | 37.798 | ng    | 99     |
| 25) Isophorone                 | 7.66 | 82   | 878714   | 43.464 | ng    | 97     |
| 26) 2-Nitrophenol              | 7.74 | 139  | 268310   | 39.009 | ng    | 94     |
| 27) 2,4-Dimethylphenol         | 7.78 | 122  | 427469   | 45.108 | ng    | 94     |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93   | 556792   | 40.447 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162  | 429216   | 40.474 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.07 | 180  | 469944   | 38.552 | ng    | 98     |
| 31) Naphthalene                | 8.15 | 128  | 1414595  | 40.737 | ng    | 99     |
| 32) Benzoic acid               | 7.92 | 122  | 222326   | 41.129 | ng    | 98     |
| 33) 4-Chloroaniline            | 8.19 | 127  | 320007   | 21.164 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.26 | 225  | 257952   | 36.061 | ng    | 99     |
| 35) Caprolactam                | 8.56 | 113  | 74942    | 20.032 | ng    | 100    |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107  | 429202   | 38.231 | ng    | 100    |
| 37) 2-Methylnaphthalene        | 8.84 | 142  | 1012093  | 42.575 | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.94 | 142  | 946757   | 41.552 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216  | 464386   | 36.758 | ng    | 98     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.99  | 237  | 353442   | 74.553 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.12  | 196  | 295935   | 38.002 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.17  | 196  | 317795   | 39.047 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 1228345  | 36.516 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.33  | 162  | 941679   | 36.100 | nq    | 97       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 265353   | 37.322 | nq    | 91       |
| 49) Acenaphthylene             | 9.75  | 152  | 1508095  | 39.444 | nq    | 99       |
| 50) Dimethylphthalate          | 9.60  | 163  | 1137134  | 38.038 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 258710   | 38.640 | nq    | # 86     |
| 52) Acenaphthene               | 9.92  | 154  | 873925   | 38.263 | nq    | 99       |
| 53) 3-Nitroaniline             | 9.83  | 138  | 173887   | 23.973 | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 9.95  | 184  | 183960   | 85.614 | nq    | 96       |
| 55) Dibenzofuran               | 10.09 | 168  | 1324692  | 37.954 | nq    | 96       |
| 56) 4-Nitrophenol              | 10.02 | 139  | 293674   | 76.580 | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 337703   | 39.620 | nq    | 92       |
| 58) Fluorene                   | 10.43 | 166  | 1062868  | 40.694 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.21 | 232  | 261231   | 42.473 | nq    | 100      |
| 60) Diethylphthalate           | 10.30 | 149  | 1125459  | 37.936 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.42 | 204  | 520279   | 36.619 | nq    | 93       |
| 62) 4-Nitroaniline             | 10.45 | 138  | 256398   | 36.038 | nq    | 96       |
| 63) Azobenzene                 | 10.58 | 77   | 985520   | 37.771 | nq    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 145342   | 33.975 | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 10.54 | 169  | 934660   | 36.346 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.90 | 248  | 325547   | 36.276 | nq    | 96       |
| 68) Hexachlorobenzene          | 10.98 | 284  | 352776   | 36.640 | nq    | 95       |
| 69) Atrazine                   | 11.06 | 200  | 321055   | 38.692 | nq    | 96       |
| 70) Pentachlorophenol          | 11.18 | 266  | 269302   | 71.883 | nq    | 99       |
| 71) Phenanthrene               | 11.39 | 178  | 1553224  | 39.156 | nq    | 99       |
| 72) Anthracene                 | 11.45 | 178  | 1604303  | 40.601 | nq    | 100      |
| 73) Carbazole                  | 11.60 | 167  | 1419662  | 36.422 | nq    | 98       |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 1792723  | 37.055 | nq    | 99       |
| 75) Fluoranthene               | 12.58 | 202  | 1654290  | 38.882 | nq    | 99       |
| 77) Benzidine                  | 12.69 | 184  | 622151   | 36.649 | nq    | 97       |
| 78) Pyrene                     | 12.81 | 202  | 1673110  | 39.181 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 781740   | 37.838 | nq    | 95       |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 1448390  | 39.948 | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.95 | 252  | 372212   | 27.431 | nq    | 97       |
| 83) Chrysene                   | 14.03 | 228  | 1359942  | 39.294 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 1101925  | 37.574 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.58 | 149  | 1713893  | 37.985 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.95 | 276  | 1174466  | 42.826 | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 1245085  | 40.661 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 1225136  | 41.770 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.41 | 252  | 1157154  | 41.998 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.96 | 278  | 974297   | 43.876 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.40 | 276  | 971267   | 46.361 | nq    | 97       |

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



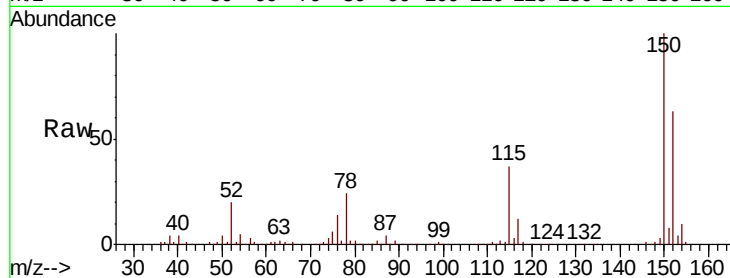


#1

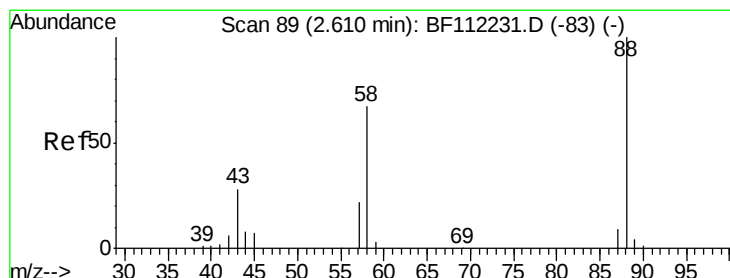
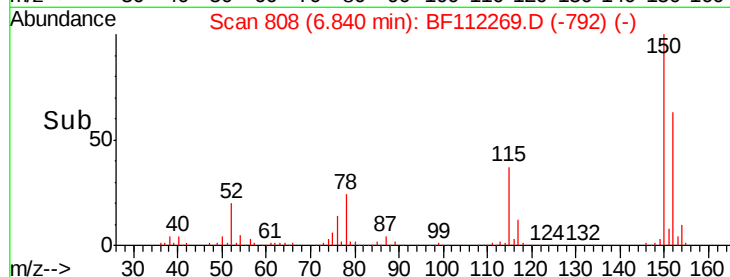
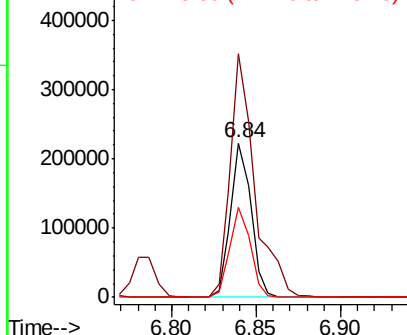
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
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PB116645BS

Tot Ion:152 Resp: 189003  
Ion Ratio Lower Upper  
152 100  
150 158.0 127.4 191.0  
115 58.2 45.5 68.3



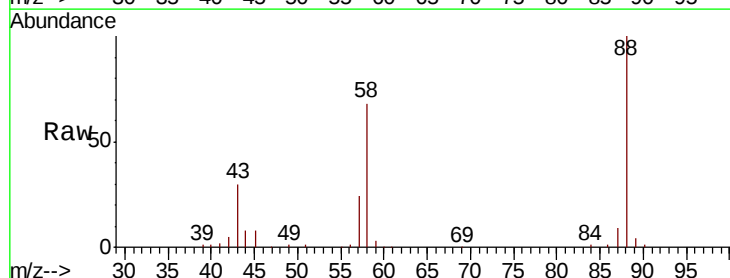
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



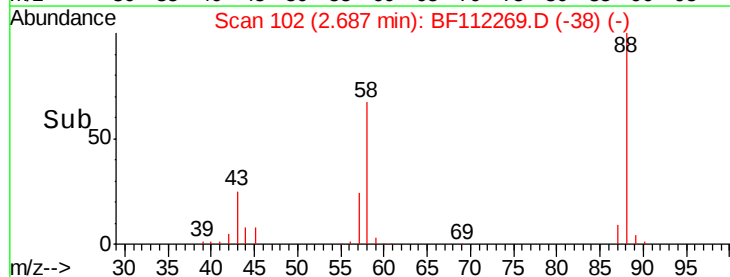
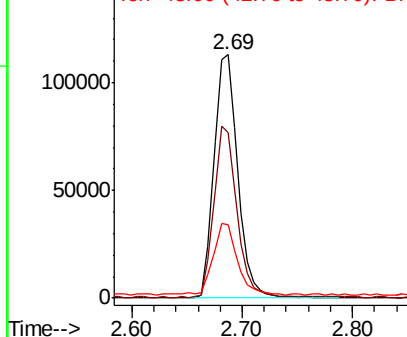
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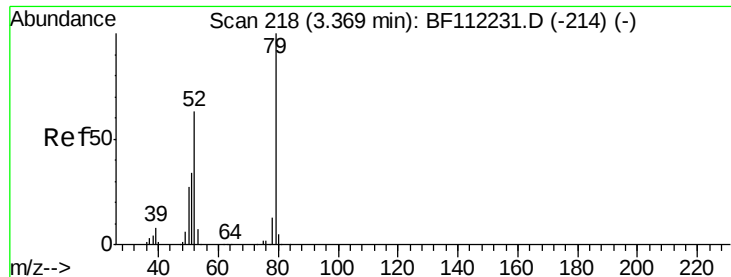
1,4-Dioxane  
Concen: 47.496 ng  
RT: 2.69 min Scan# 102  
Delta R.T. 0.08 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion: 88 Resp: 168356  
Ion Ratio Lower Upper  
88 100  
58 67.2 57.4 86.2  
43 29.9 22.2 33.4



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1

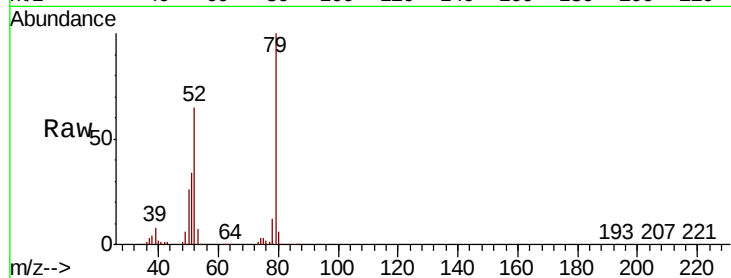




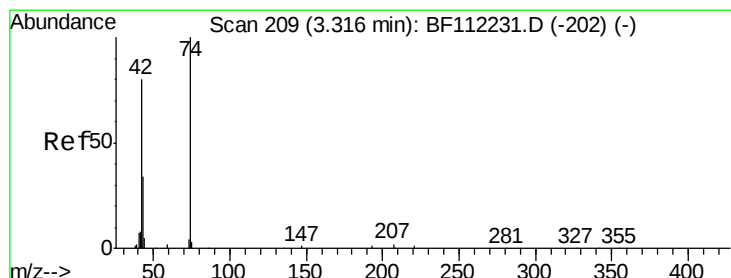
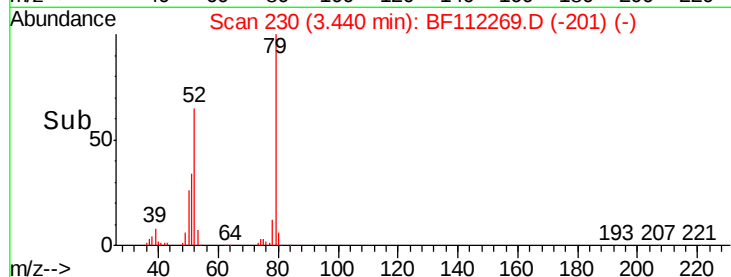
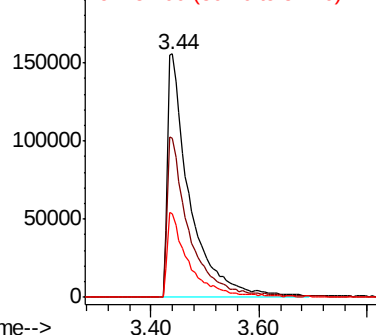
#3  
 Pvridine  
 Concen: 49.187 ng  
 RT: 3.44 min Scan# 230  
 Delta R.T. 0.07 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Instrument :  
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 PB116645BS

Tot Ion: 79 Resp: 443503  
 Ion Ratio Lower Upper  
 79 100  
 52 65.3 52.4 78.6  
 51 34.1 26.1 39.1

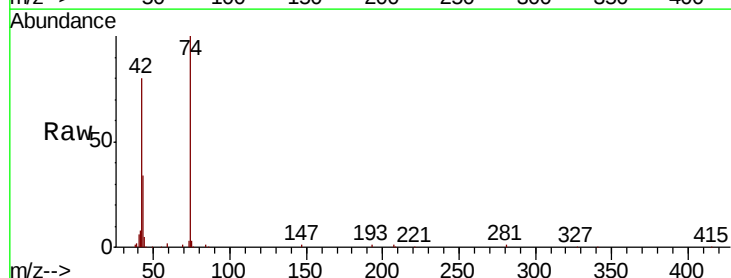


Abundance Ion 79.00 (78.70 to 79.70): BF1  
 Ion 52.00 (51.70 to 52.70): BF1  
 Ion 51.00 (50.70 to 51.70): BF1

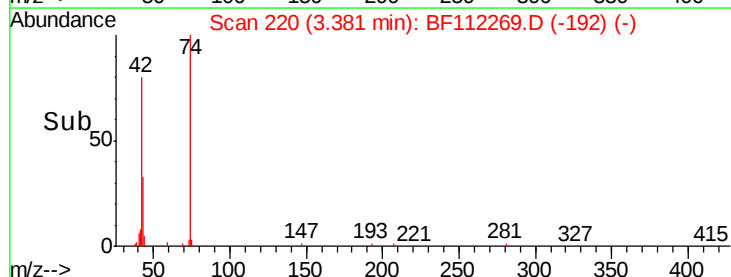
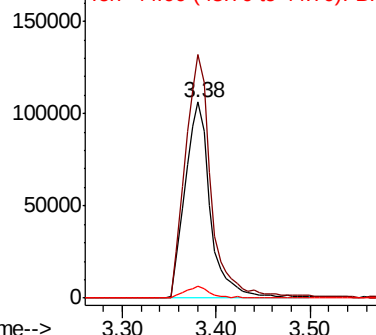


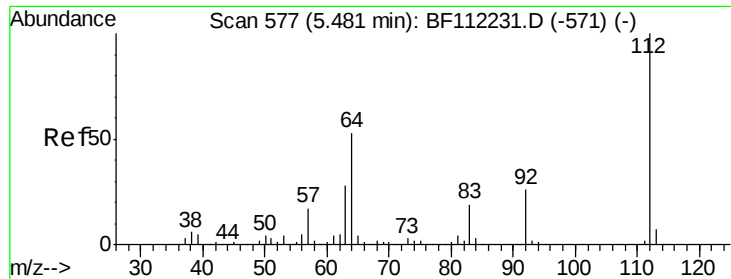
#4  
 n-Nitrosodimethylamine  
 Concen: 53.103 ng  
 RT: 3.38 min Scan# 220  
 Delta R.T. 0.06 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion: 42 Resp: 201167  
 Ion Ratio Lower Upper  
 42 100  
 74 124.4 105.6 158.4  
 44 6.0 5.4 8.2



Abundance Ion 42.00 (41.70 to 42.70): BF1  
 Ion 74.00 (73.70 to 74.70): BF1  
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 150.625 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

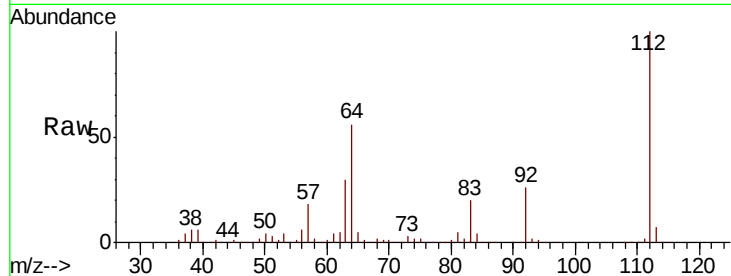
Tot Ion:112 Resp: 1340287

Ion Ratio Lower Upper

112 100

64 55.6 45.7 68.5

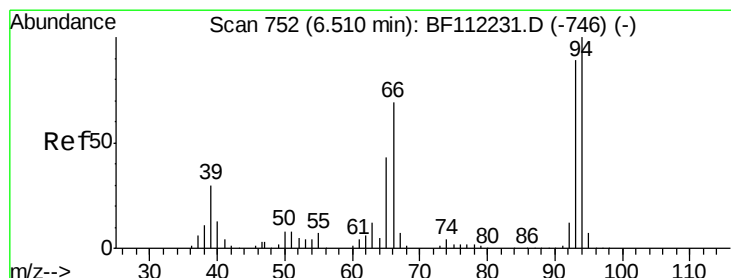
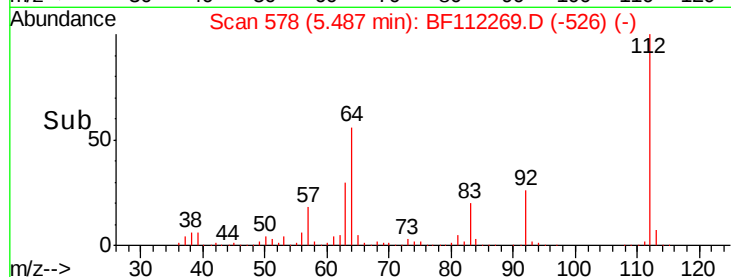
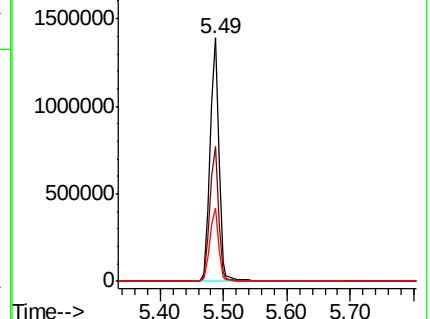
63 30.3 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.340 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

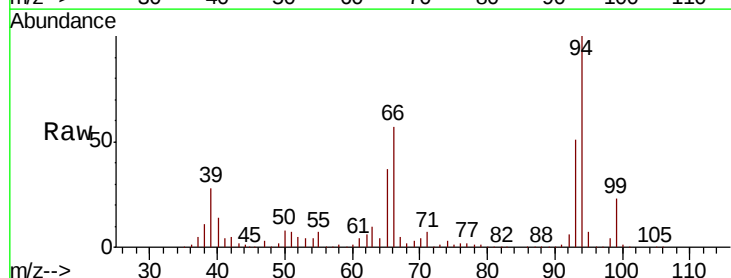
Tgt Ion: 93 Resp: 416831

Ion Ratio Lower Upper

93 100

66 110.8 43.4 65.2#

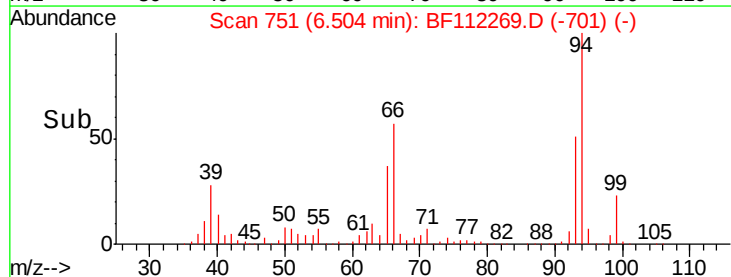
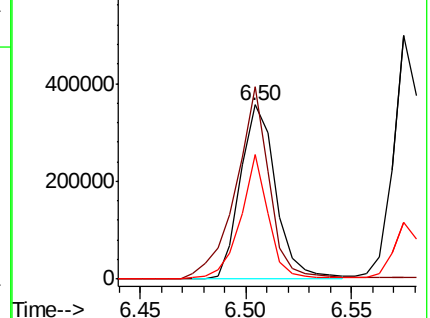
65 71.8 25.3 37.9#

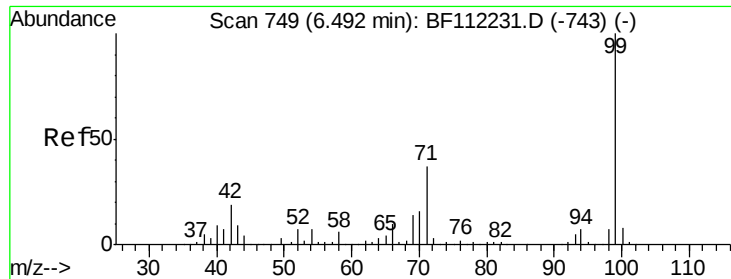


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 135.286 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

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ClientSampleId :

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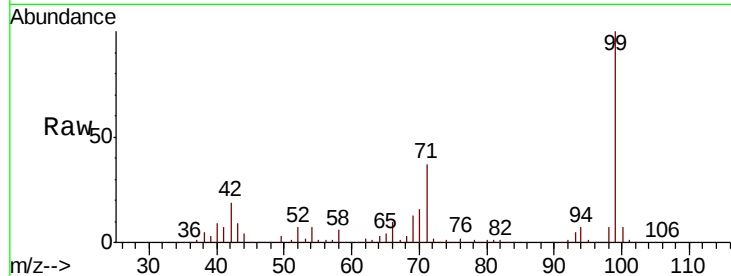
Tot Ion: 99 Resp: 1672745

Ion Ratio Lower Upper

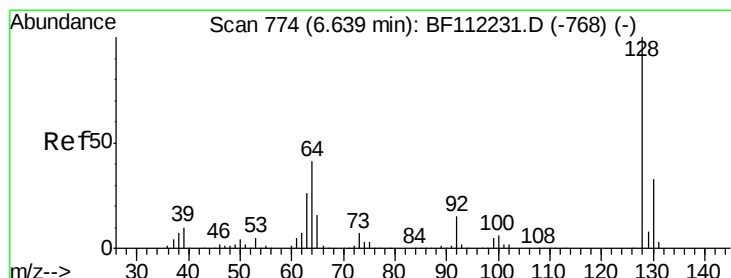
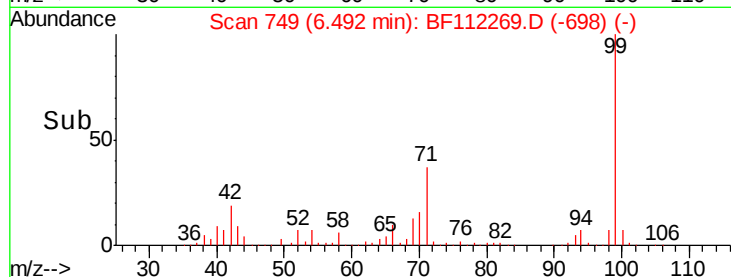
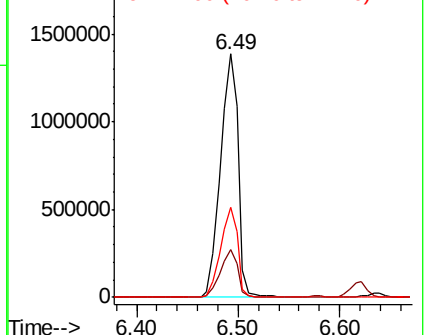
99 100

42 19.4 15.1 22.7

71 36.8 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.227 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

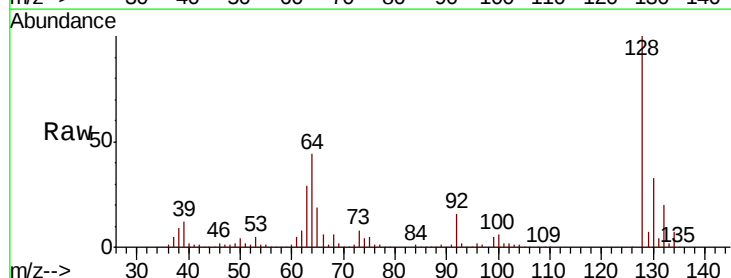
Tgt Ion:128 Resp: 493500

Ion Ratio Lower Upper

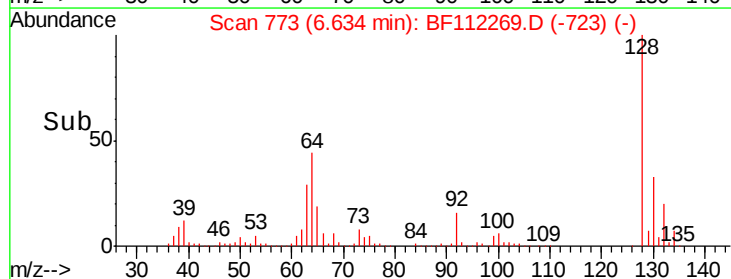
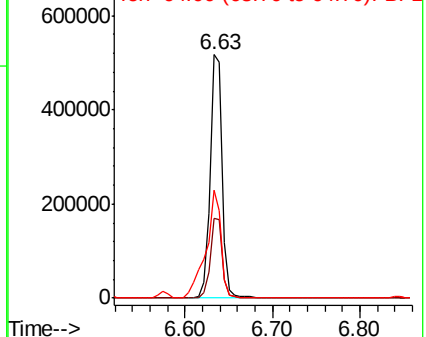
128 100

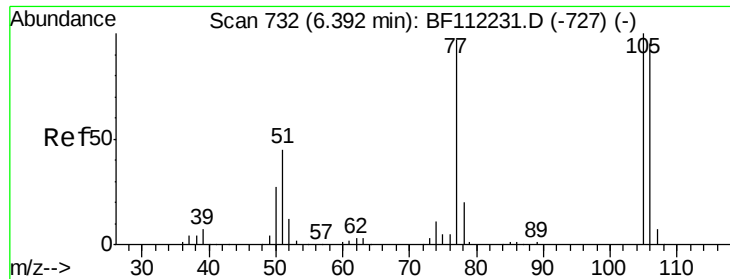
130 32.9 13.4 53.4

64 44.4 20.5 60.5



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): BF1

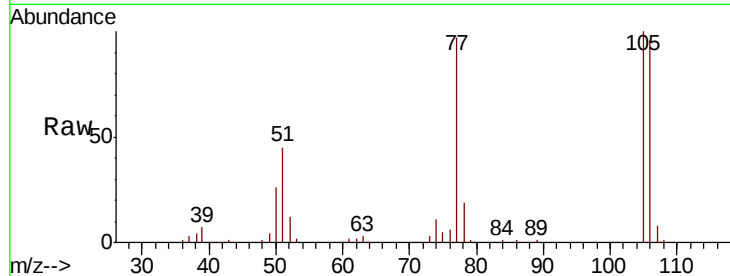




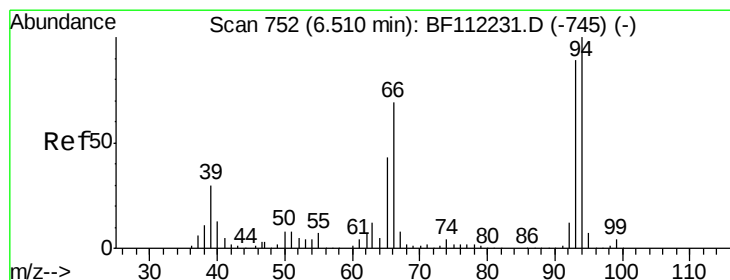
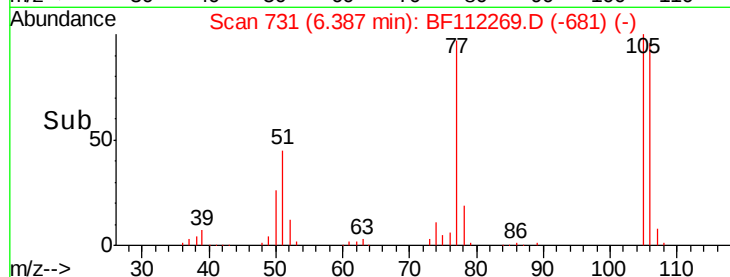
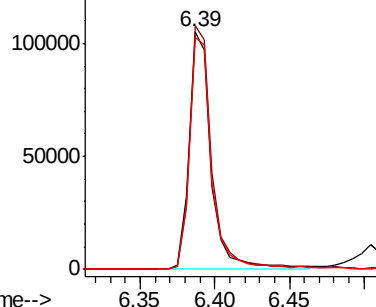
#9  
Benzaldehyde  
Concen: 16.819 ng  
RT: 6.39 min Scan# 731  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion: 77 Resp: 108696  
Ion Ratio Lower Upper  
77 100  
105 102.7 80.8 120.8  
106 98.1 75.7 115.7

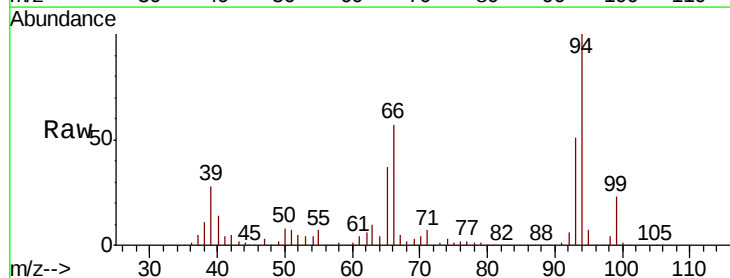


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

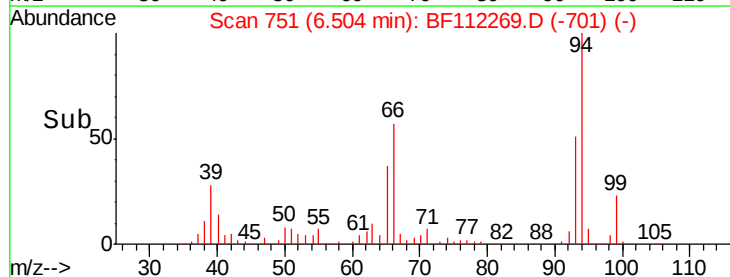
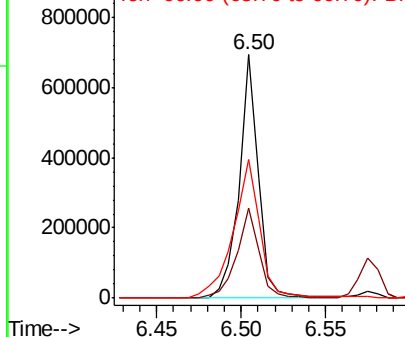


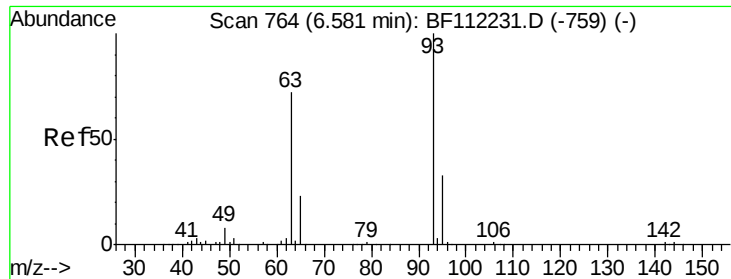
#10  
Phenol  
Concen: 40.275 ng  
RT: 6.50 min Scan# 751  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion: 94 Resp: 546339  
Ion Ratio Lower Upper  
94 100  
65 36.9 20.3 60.3  
66 56.9 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

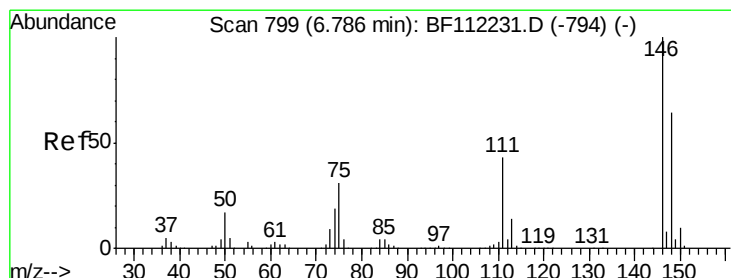
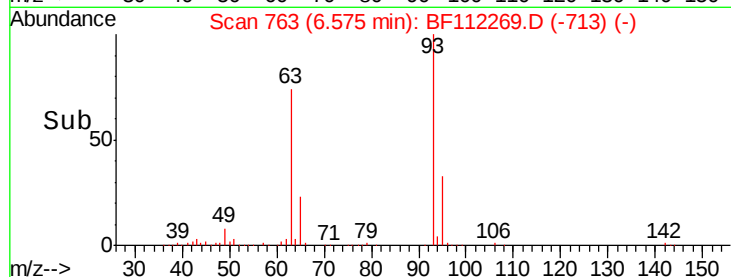
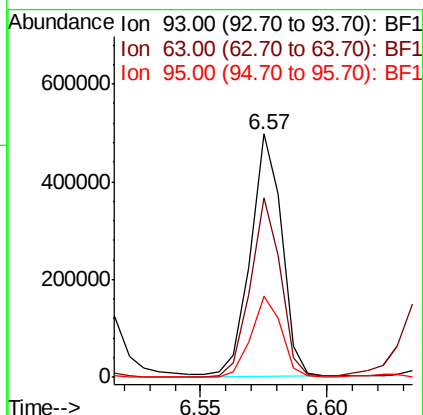
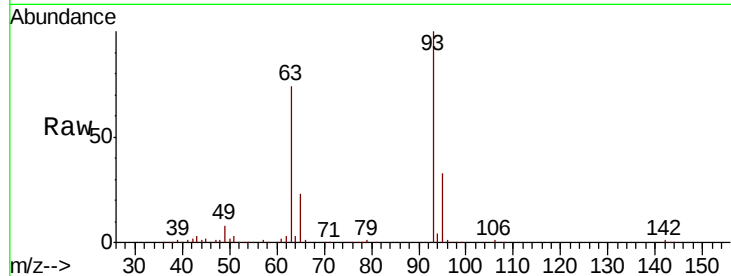




#11  
bis(2-Chloroethyl)ether  
Concen: 39.996 ng  
RT: 6.57 min Scan# 763  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

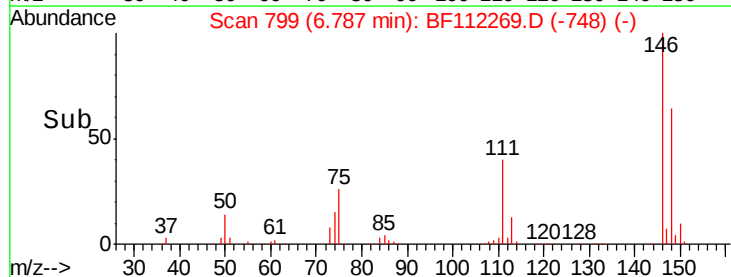
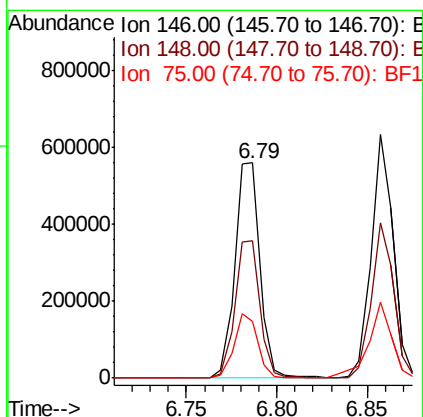
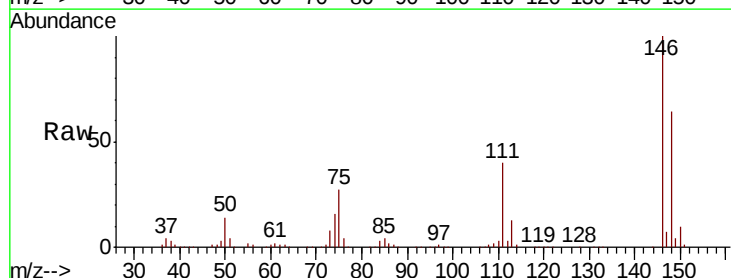
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

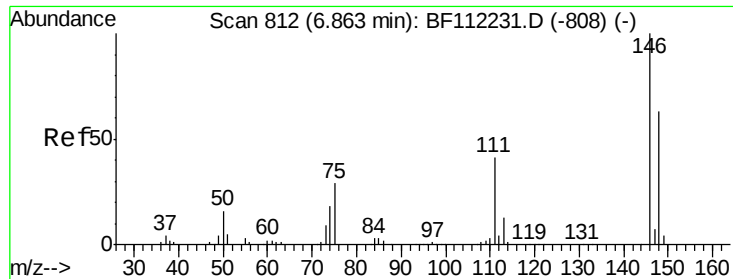
Tot Ion: 93 Resp: 427144  
Ion Ratio Lower Upper  
93 100  
63 73.9 53.3 93.3  
95 33.2 13.4 53.4



#12  
1,3-Dichlorobenzene  
Concen: 38.778 ng  
RT: 6.79 min Scan# 799  
Delta R.T. 0.00 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion: 146 Resp: 540597  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.8 77.8  
75 26.6 23.1 34.7

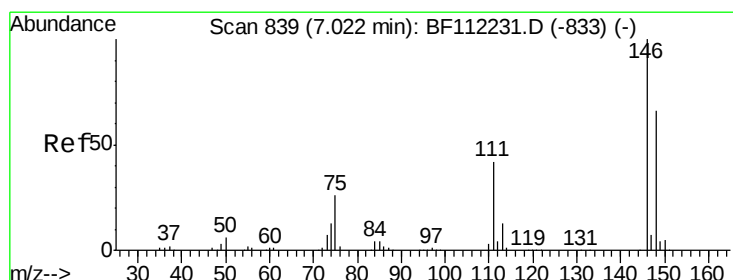
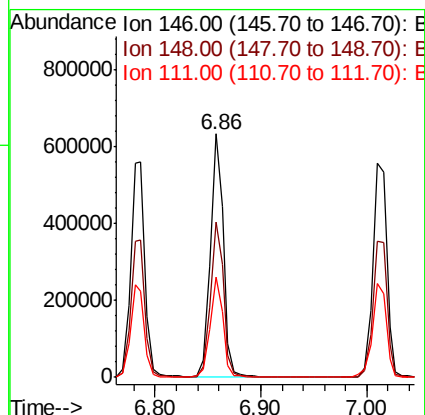
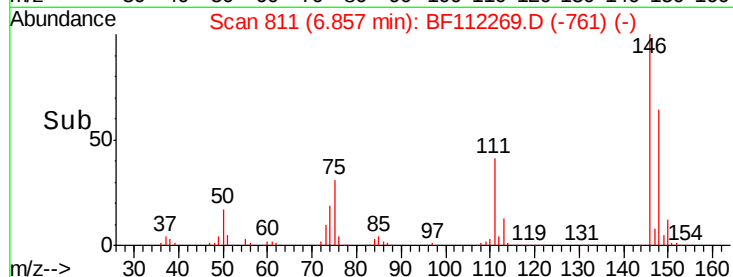
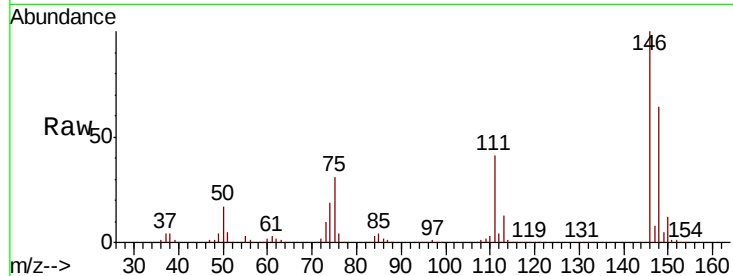




#13  
 1,4-Dichlorobenzene  
 Concen: 38.023 ng  
 RT: 6.86 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

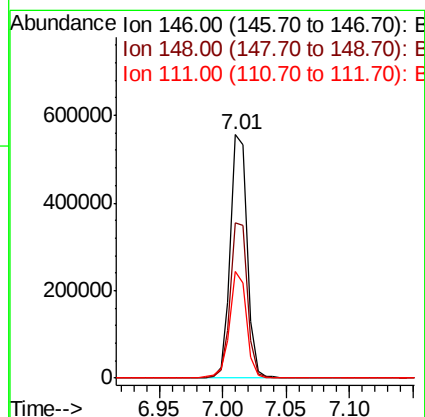
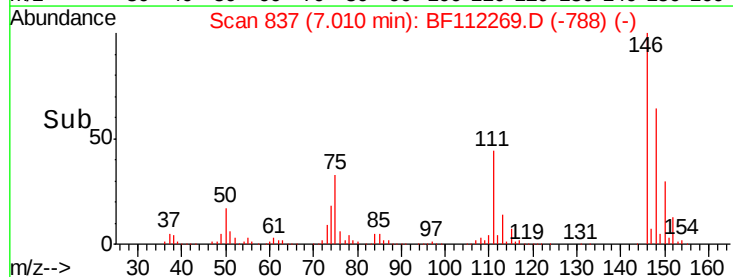
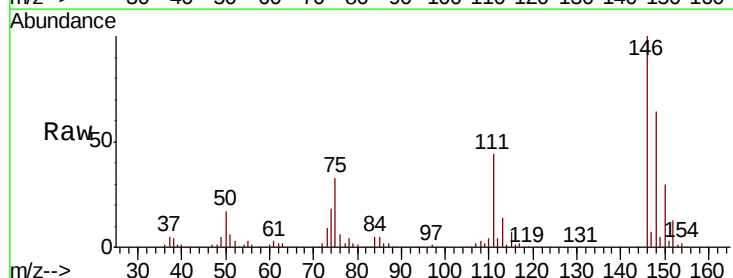
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

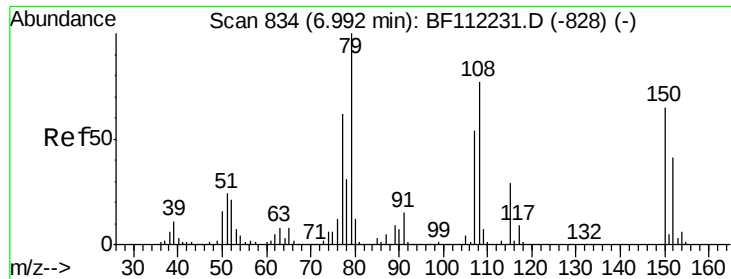
Tot Ion:146 Resp: 545528  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 52.0 78.0  
 111 40.9 31.2 46.8



#14  
 1,2-Dichlorobenzene  
 Concen: 37.932 ng  
 RT: 7.01 min Scan# 837  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion:146 Resp: 509537  
 Ion Ratio Lower Upper  
 146 100  
 148 63.9 52.2 78.4  
 111 43.7 31.2 46.8





#15

Benzyl Alcohol

Concen: 38.671 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleID :

PB116645BS

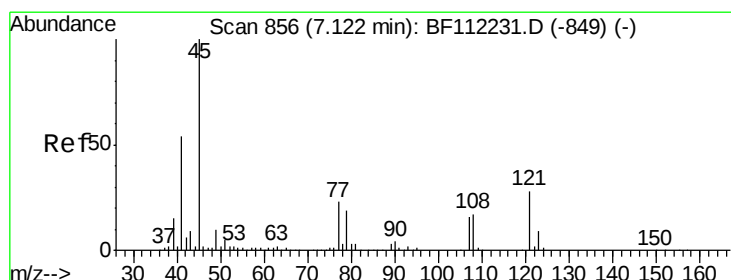
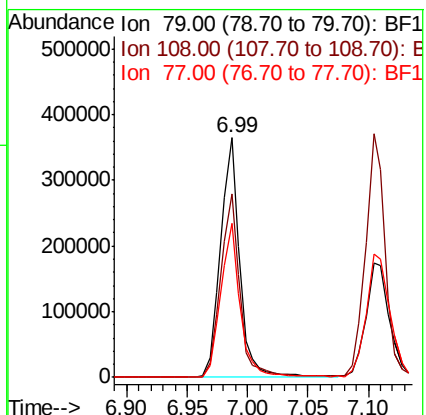
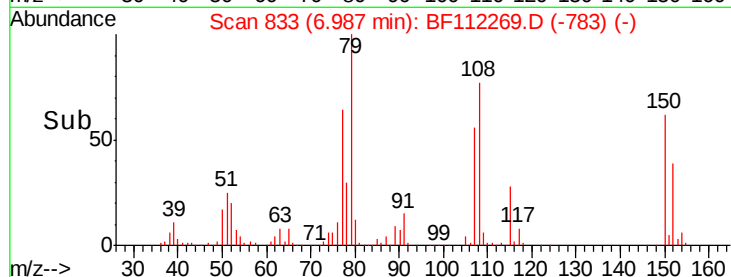
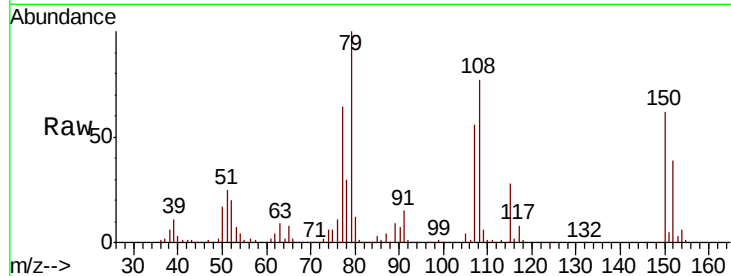
Tot Ion: 79 Resp: 403064

Ion Ratio Lower Upper

79 100

108 76.8 64.2 96.2

77 64.3 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.951 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

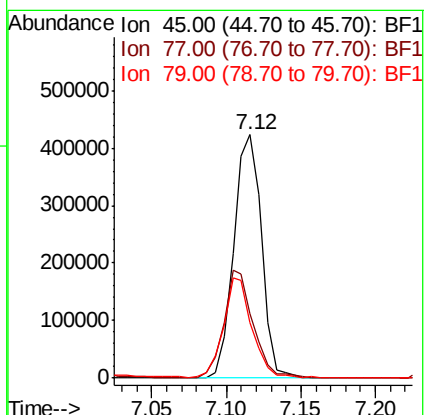
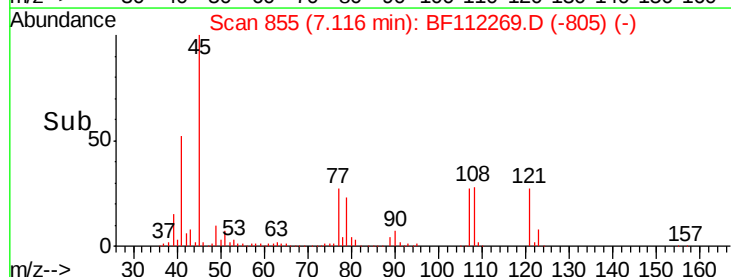
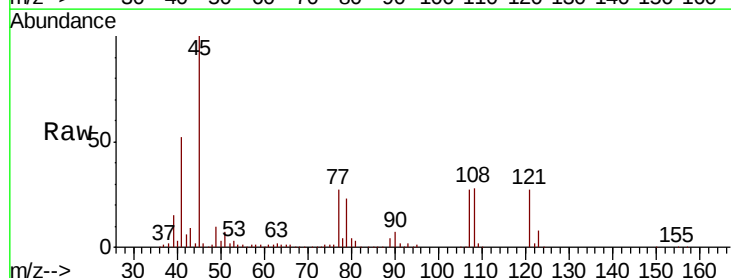
Tgt Ion: 45 Resp: 547817

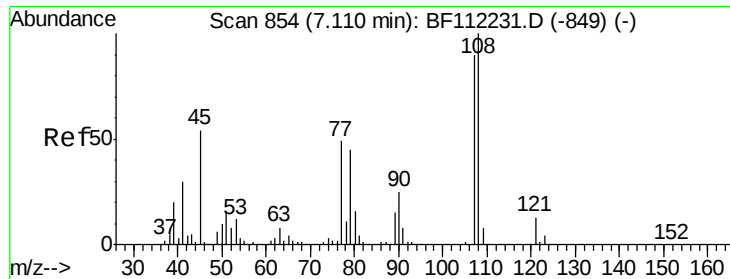
Ion Ratio Lower Upper

45 100

77 26.7 0.0 36.9

79 22.5 0.0 34.0

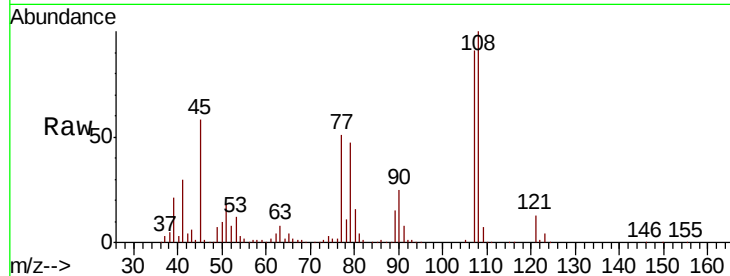




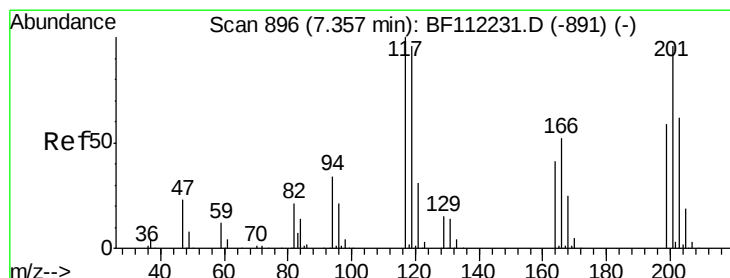
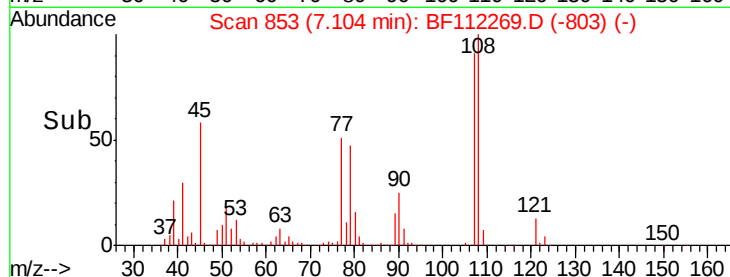
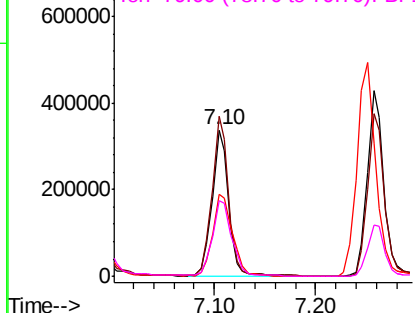
#17  
2-Methylphenol  
Concen: 40.520 ng  
RT: 7.10 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:107 Resp: 384496  
Ion Ratio Lower Upper  
107 100  
108 109.5 91.3 136.9  
77 55.7 39.0 58.6  
79 51.3 37.0 55.4

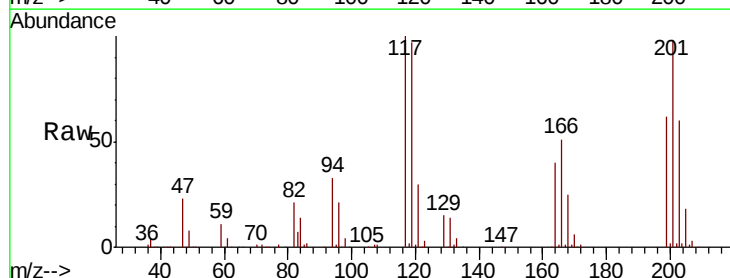


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

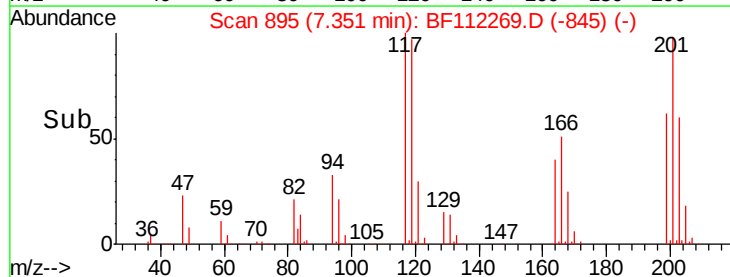
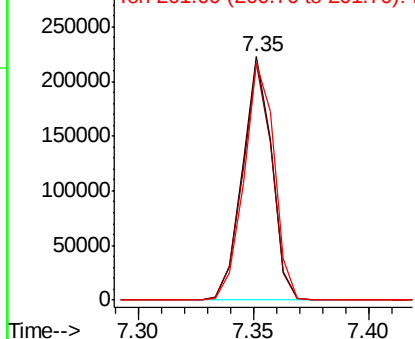


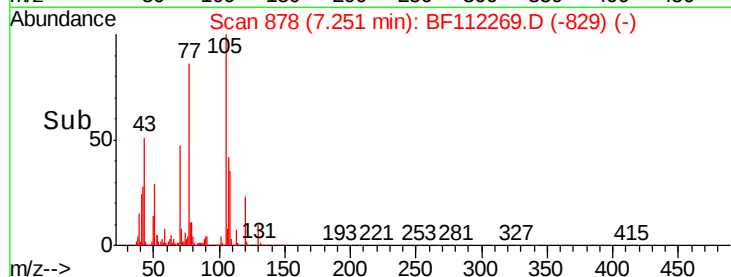
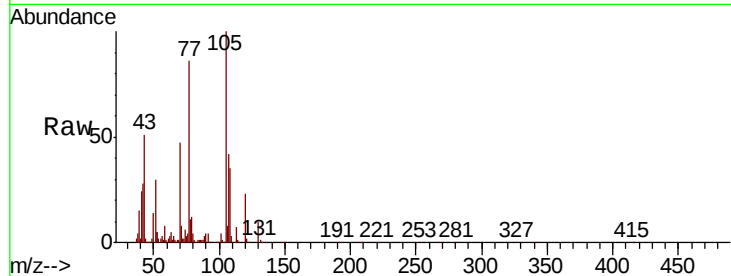
#18  
Hexachloroethane  
Concen: 39.107 ng  
RT: 7.35 min Scan# 895  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:117 Resp: 197026  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.0 115.4  
201 97.6 74.1 111.1



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

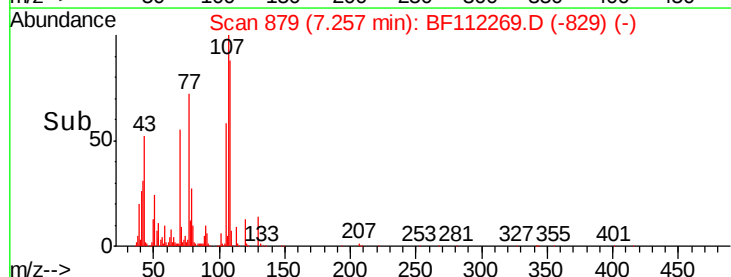
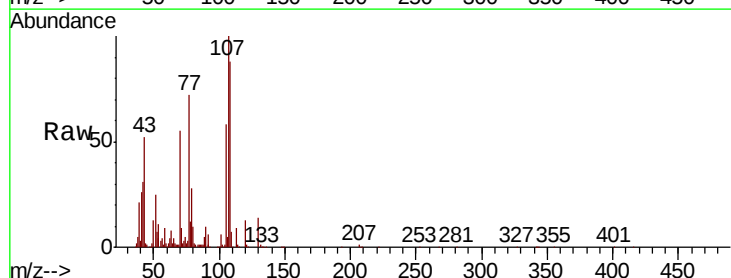
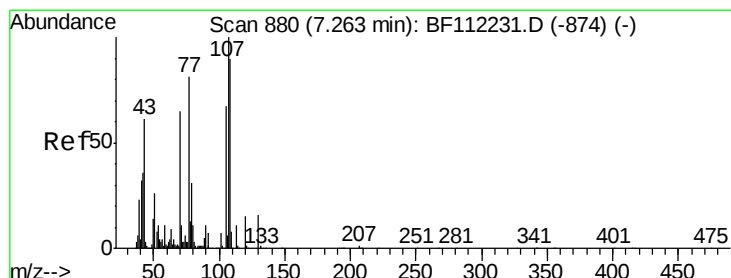
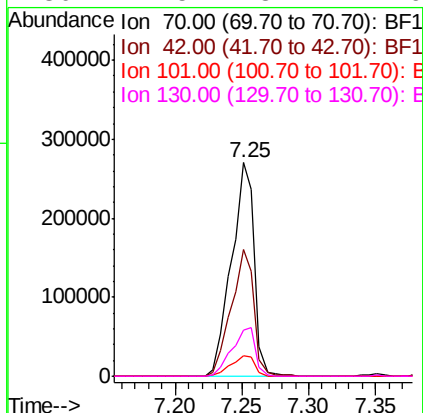




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.114 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

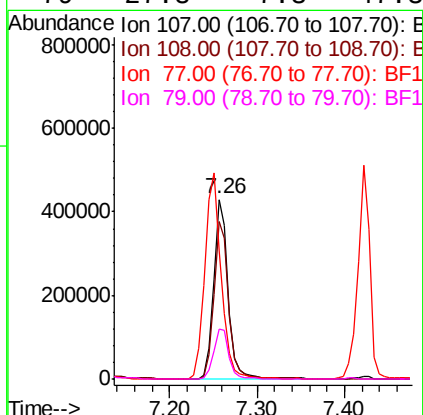
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

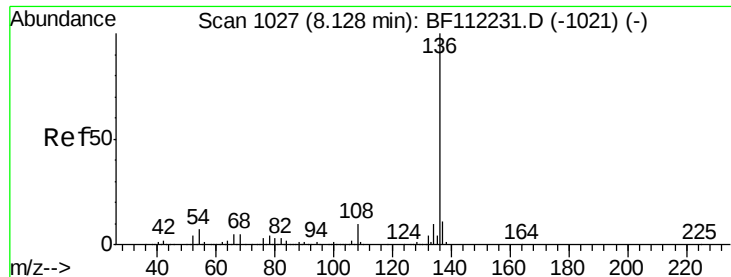
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 324951 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 59.1  | 47.6  | 71.4   |
| 101      | 9.5   | 7.9   | 11.9   |
| 130      | 21.5  | 18.4  | 27.6   |



#20  
3+4-Methylphenols  
Concen: 40.411 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 490362 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.7  | 68.2  | 108.2  |
| 77       | 71.7  | 100.7 | 140.7# |
| 79       | 27.8  | 7.3   | 47.3   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

Tot Ion:136 Resp: 742550

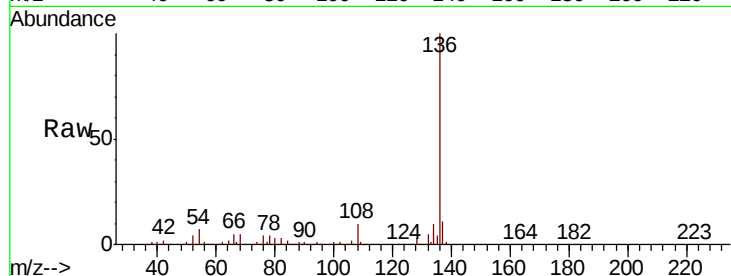
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.7 5.9 8.9

68 5.4 5.1 7.7

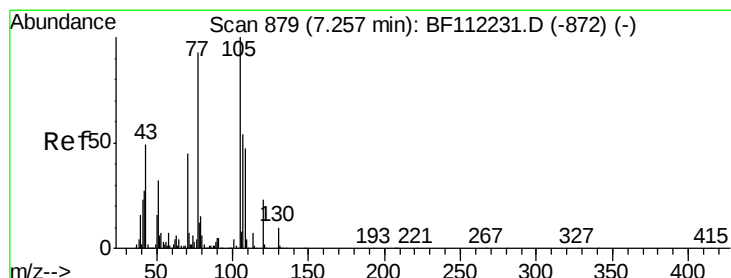
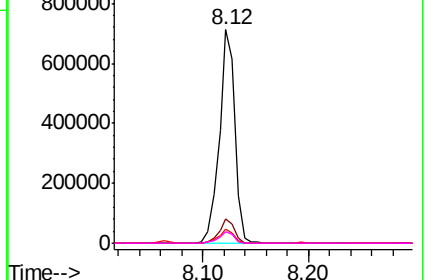
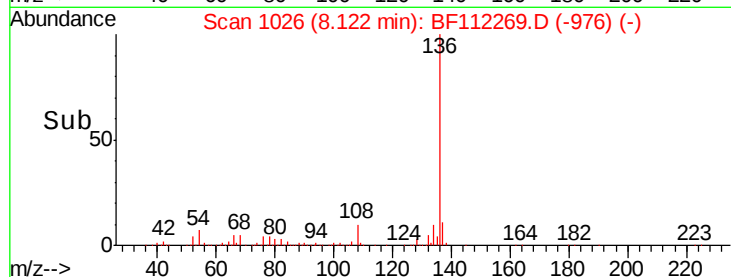


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 36.106 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Tgt Ion:105 Resp: 652842

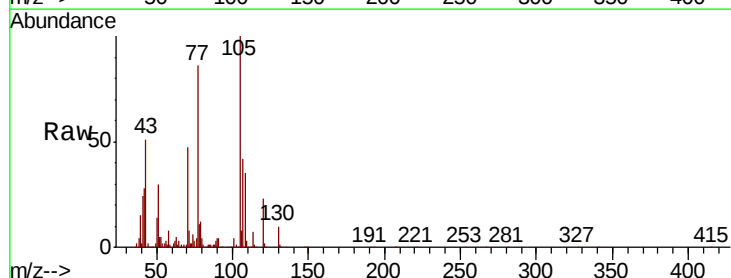
Ion Ratio Lower Upper

105 100

71 8.1 4.6 6.8#

51 29.5 25.0 37.6

120 23.0 19.0 28.4

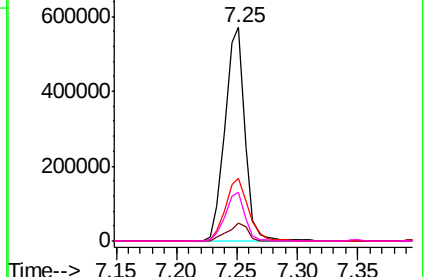
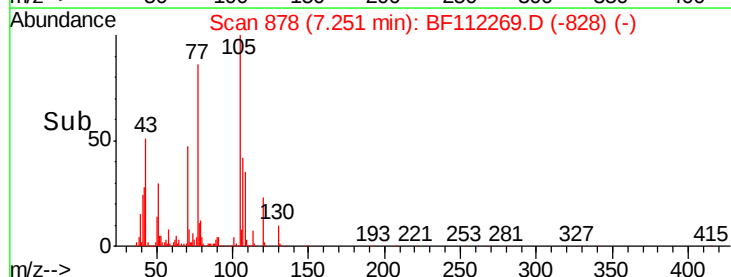


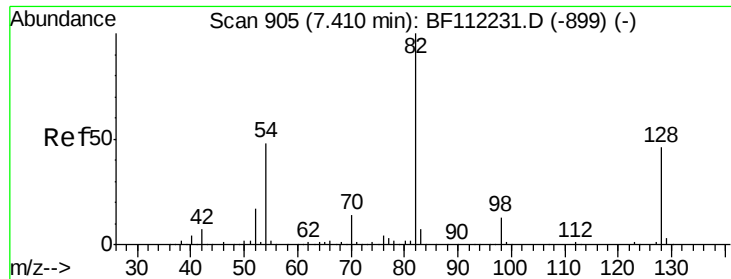
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

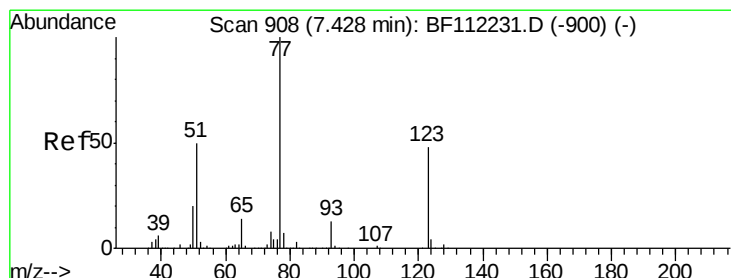
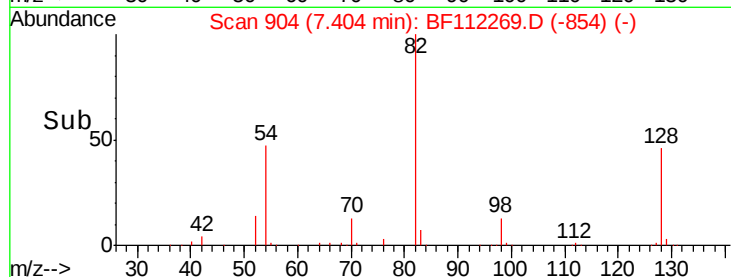
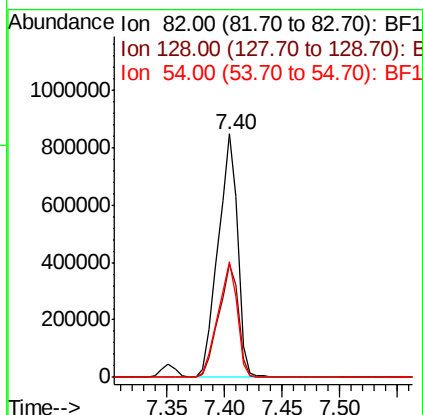
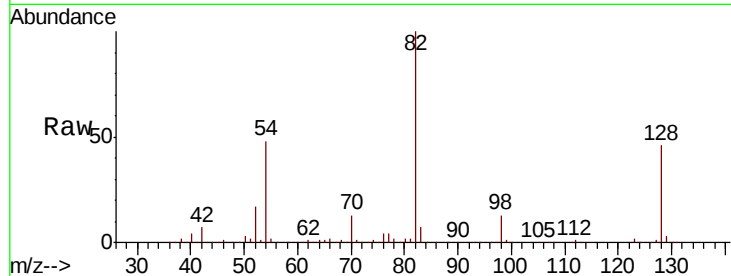




#23  
 Nitrobenzene-d5  
 Concen: 77.273 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

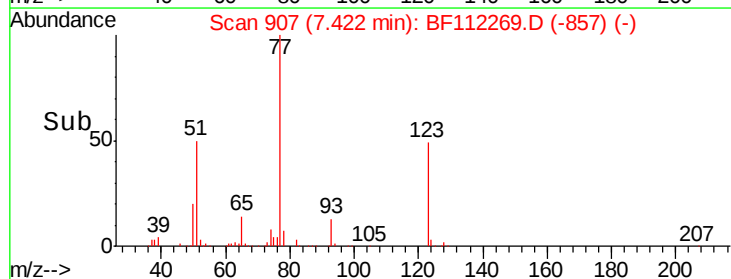
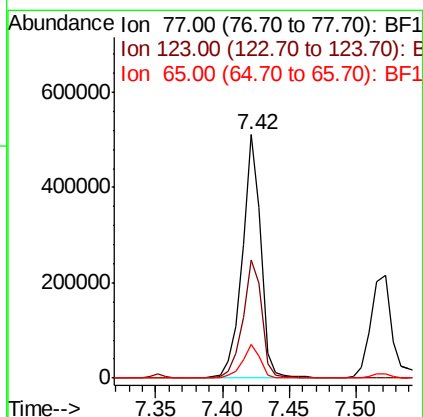
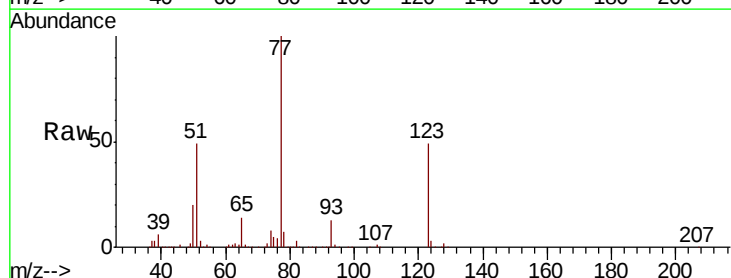
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

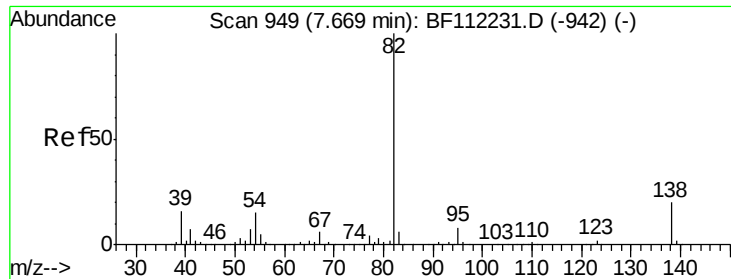
Tot Ion: 82 Resp: 995827  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 37.8 56.8  
 54 47.7 39.7 59.5



#24  
 Nitrobenzene  
 Concen: 37.798 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion: 77 Resp: 486482  
 Ion Ratio Lower Upper  
 77 100  
 123 48.6 38.4 57.6  
 65 13.6 10.6 15.8





#25

Isophorone

Concen: 43.464 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

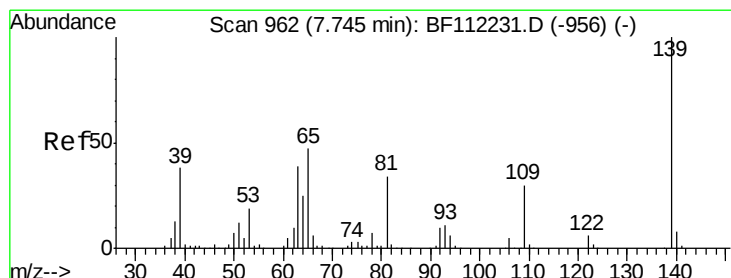
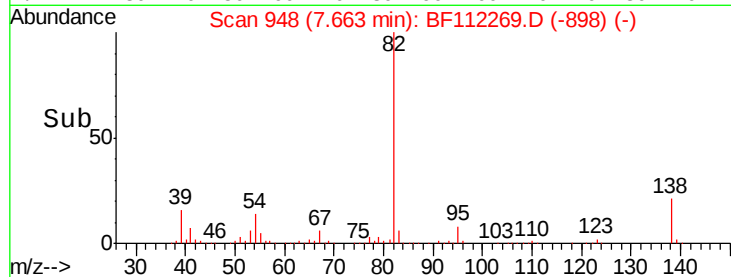
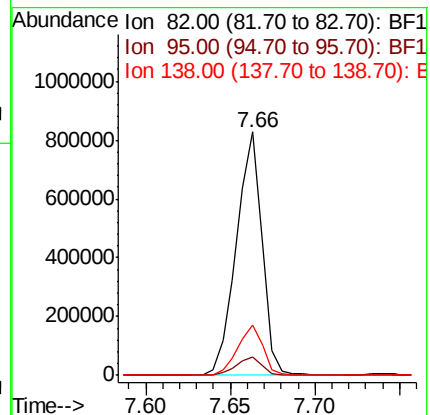
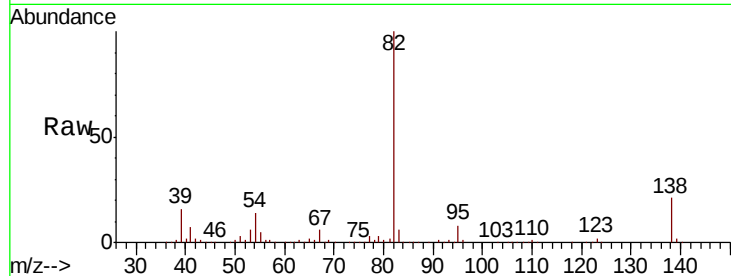
Tot Ion: 82 Resp: 878714

Ion Ratio Lower Upper

82 100

95 7.7 5.7 8.5

138 20.6 15.4 23.0



#26

2-Nitrophenol

Concen: 39.009 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

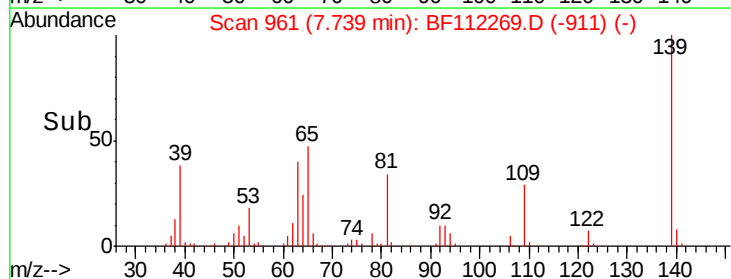
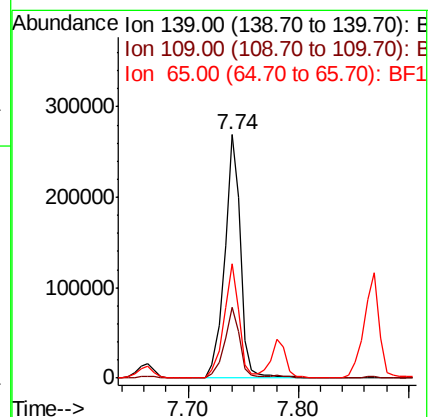
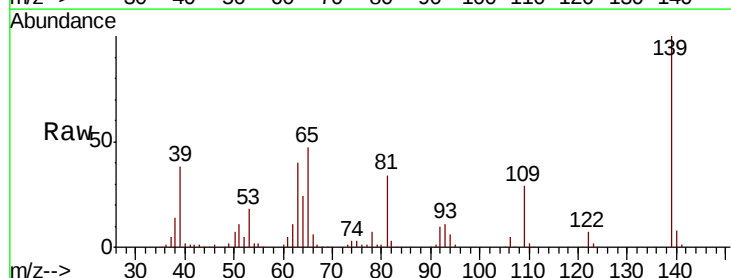
Tgt Ion: 139 Resp: 268310

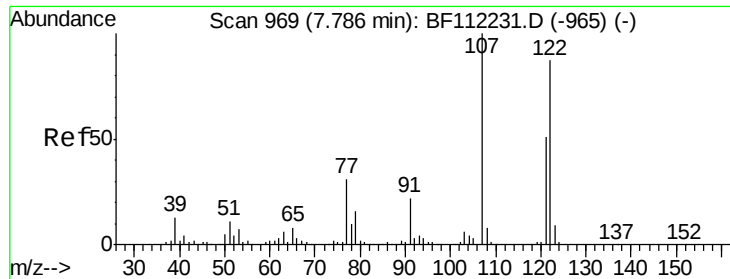
Ion Ratio Lower Upper

139 100

109 29.2 20.8 31.2

65 47.2 34.4 51.6

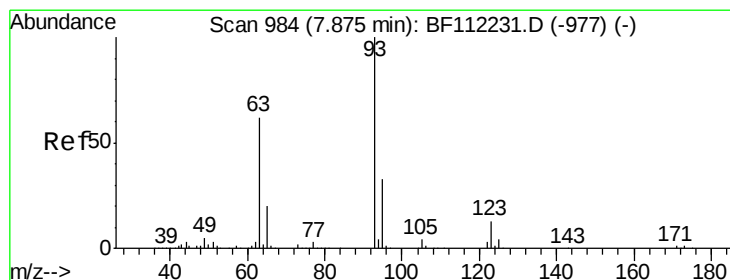
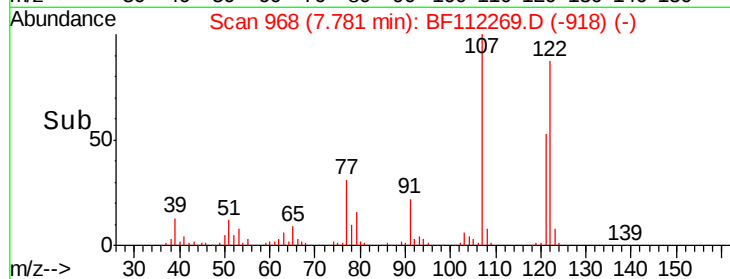
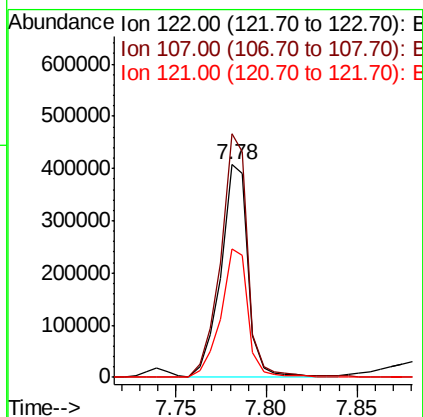
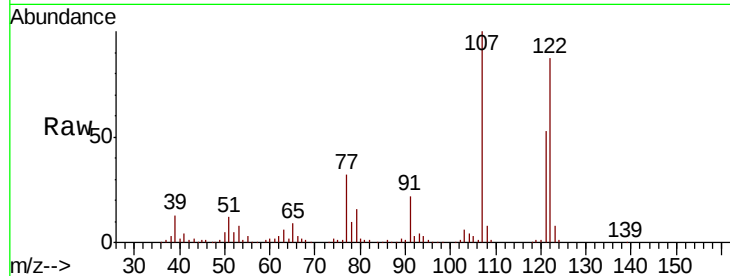




#27  
2,4-Dimethylphenol  
Concen: 45.108 ng  
RT: 7.78 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

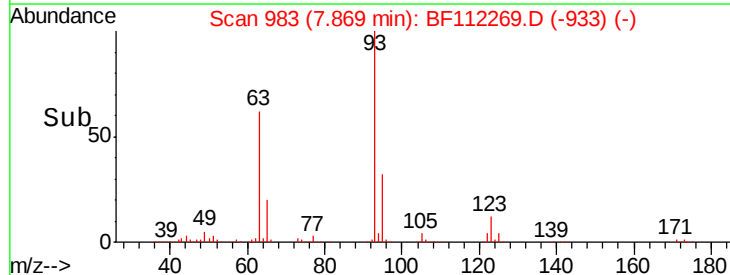
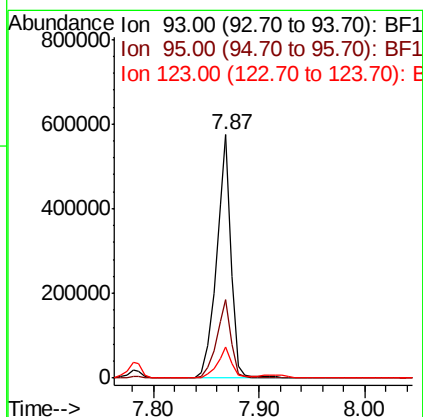
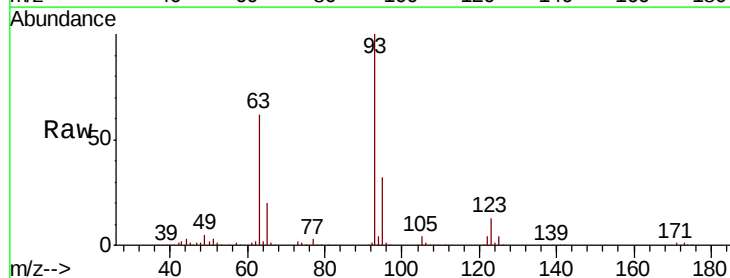
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

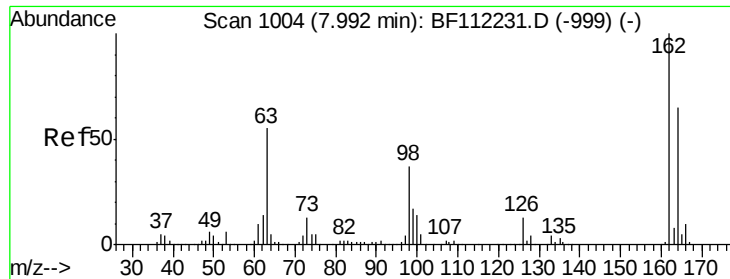
Tot Ion:122 Resp: 427469  
Ion Ratio Lower Upper  
122 100  
107 114.5 85.4 128.0  
121 60.1 47.0 70.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.447 ng  
RT: 7.87 min Scan# 983  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion: 93 Resp: 556792  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.8 40.2  
123 12.6 10.2 15.2

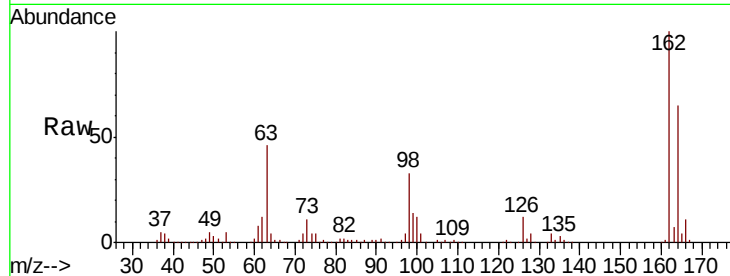




#29  
2,4-Dichlorophenol  
Concen: 40.474 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. 0.00 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.2  | 44.6  | 84.6  |
| 98      | 33.4  | 14.6  | 54.6  |

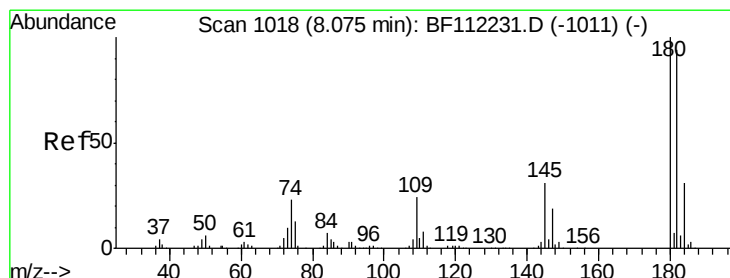
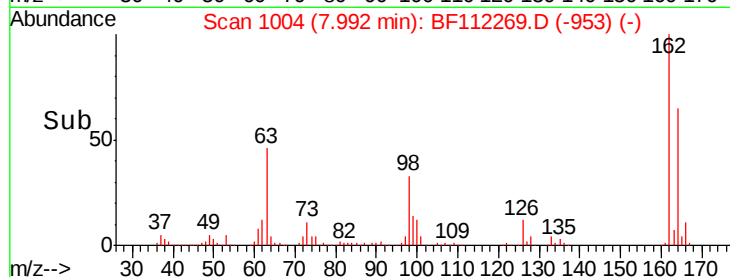
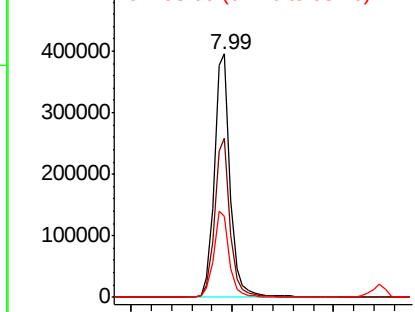


Abundance

Ion 162.00 (161.70 to 162.70): E

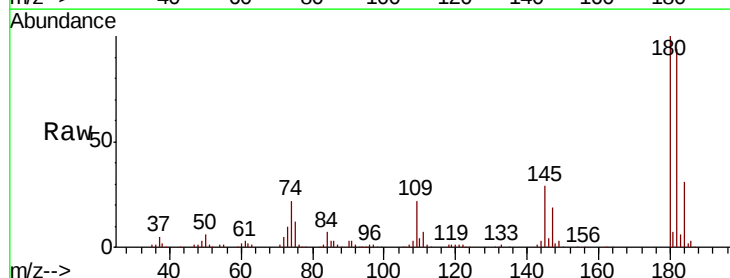
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30  
1,2,4-Trichlorobenzene  
Concen: 38.552 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 76.4  | 114.6 |
| 145     | 29.5  | 25.0  | 37.4  |

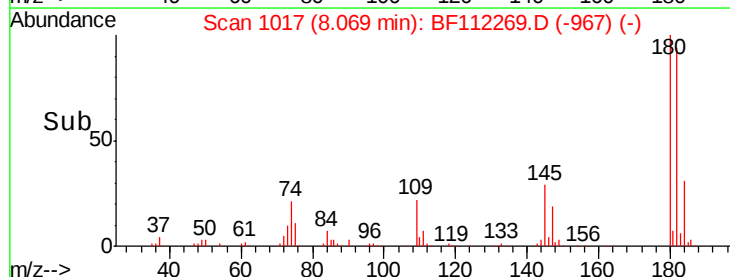
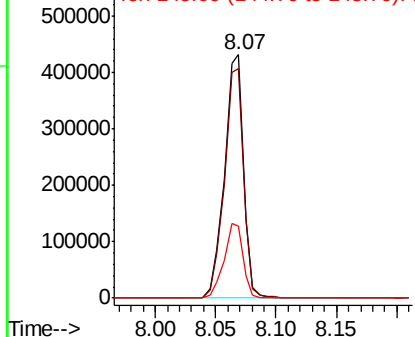


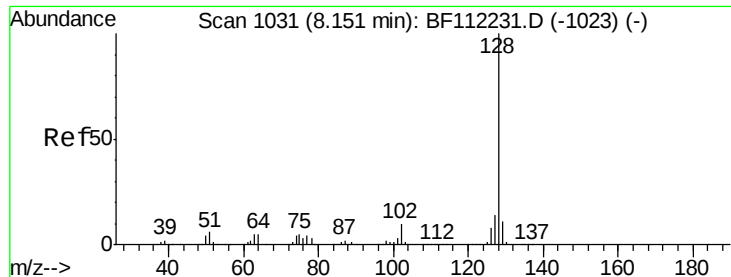
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

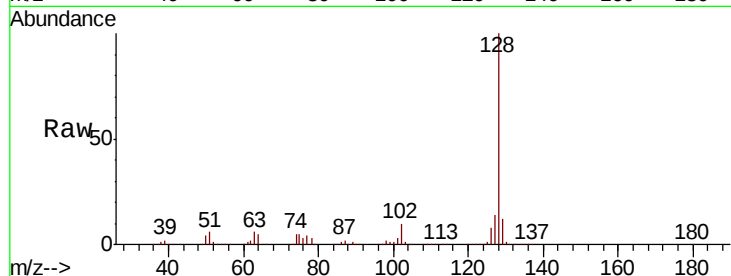




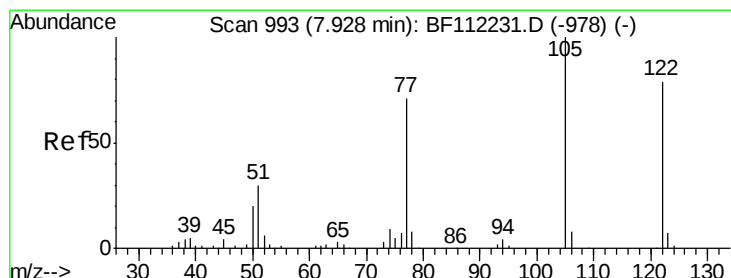
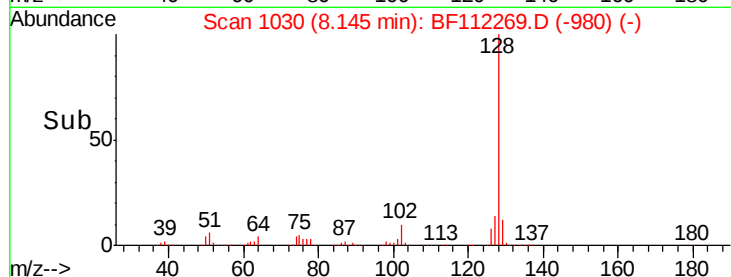
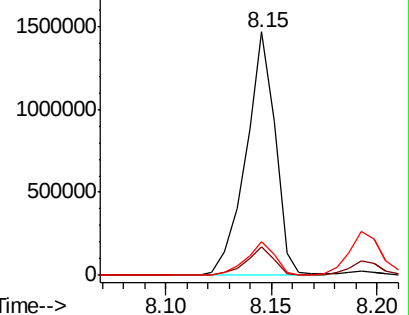
#31  
Naphthalene  
Concen: 40.737 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:128 Resp: 1414595  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.6 14.4  
127 14.1 11.1 16.7

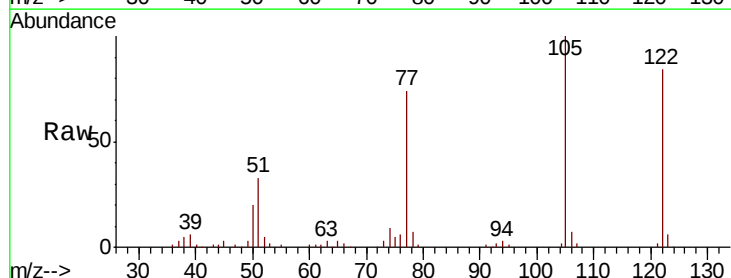


Abundance Ion 128.00 (127.70 to 128.70): E  
2000000 Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

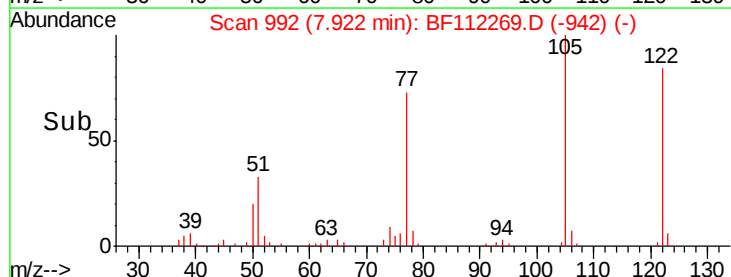
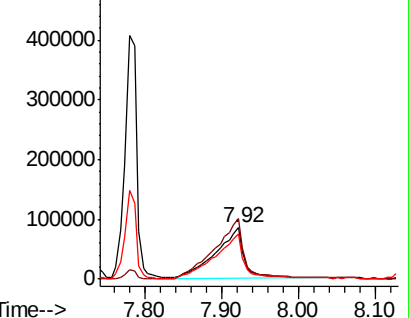


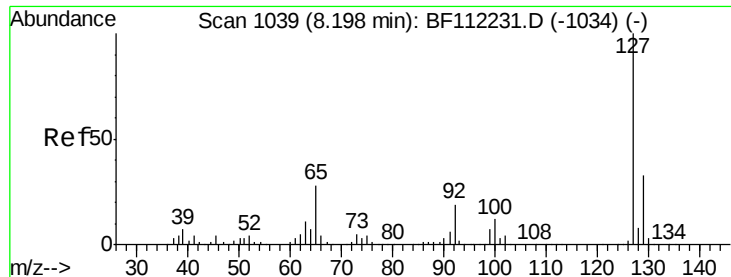
#32  
Benzoic acid  
Concen: 41.129 ng  
RT: 7.92 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:122 Resp: 222326  
Ion Ratio Lower Upper  
122 100  
105 118.9 101.2 141.2  
77 87.6 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E  
500000 Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

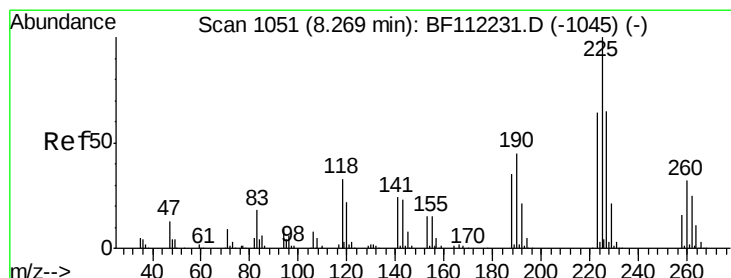
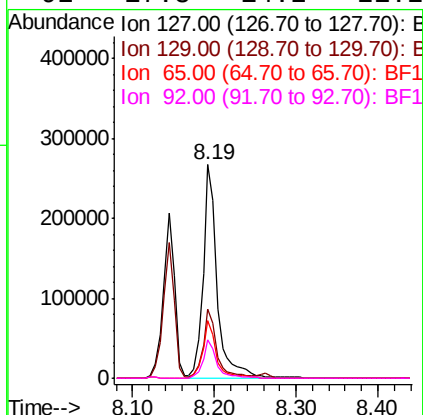
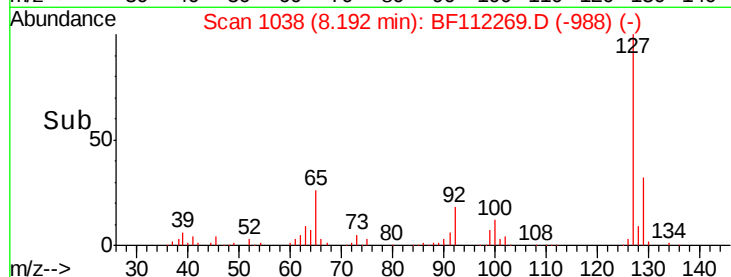
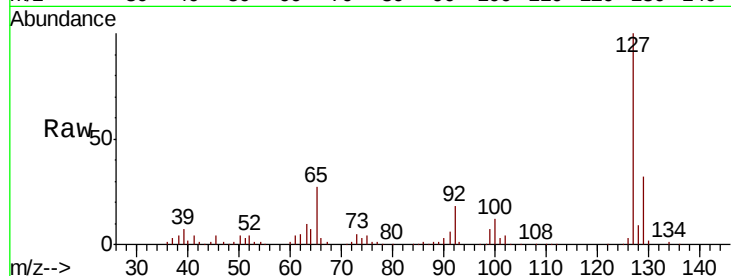




#33  
4-Chloroaniline  
Concen: 21.164 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

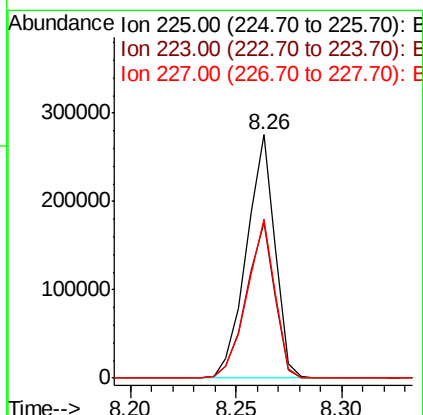
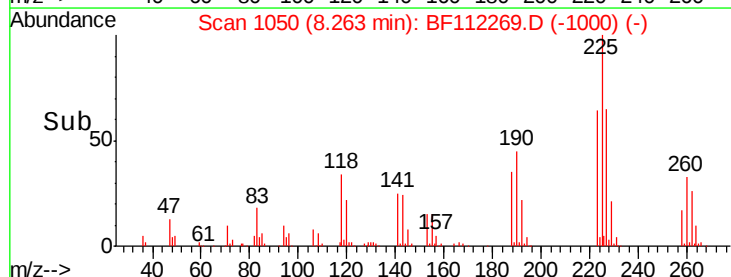
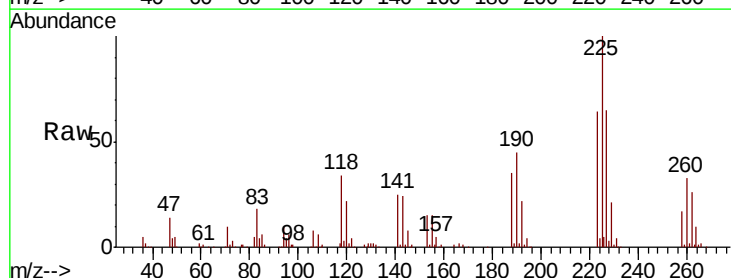
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

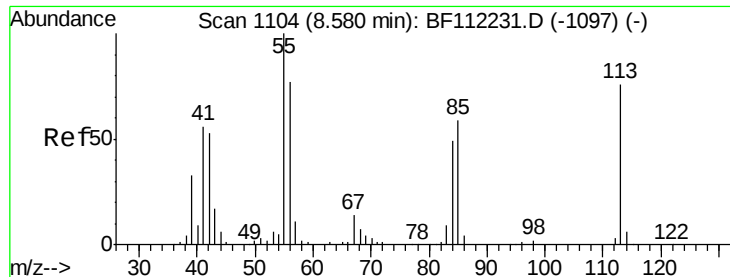
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 320007 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.6  | 39.8   |
| 65       | 27.1  | 21.4  | 32.2   |
| 92       | 17.8  | 14.2  | 21.2   |



#34  
Hexachlorobutadiene  
Concen: 36.061 ng  
RT: 8.26 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 257952 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.5  | 50.3  | 75.5   |
| 227      | 65.4  | 51.8  | 77.8   |

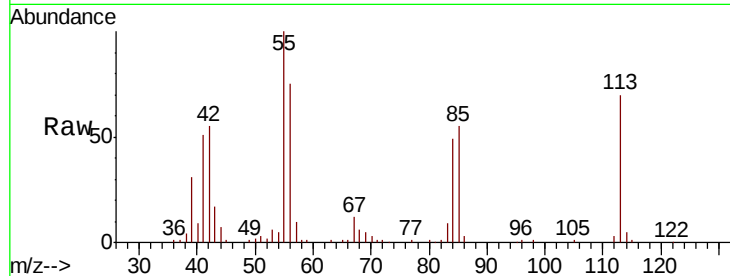




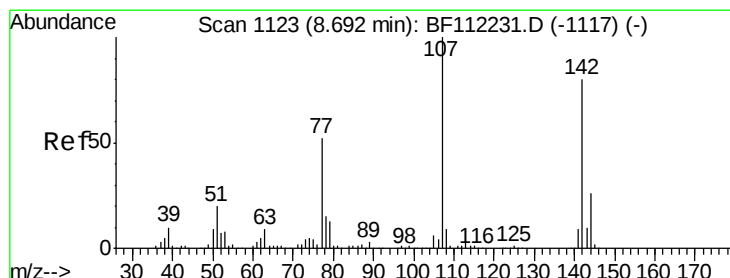
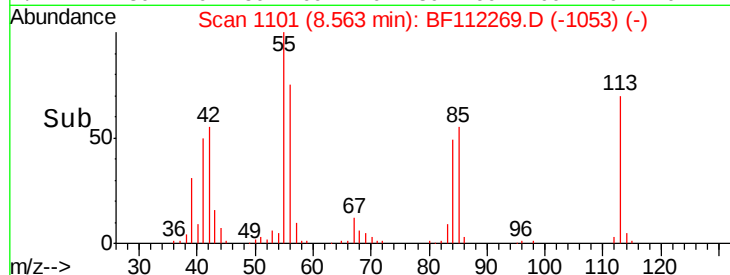
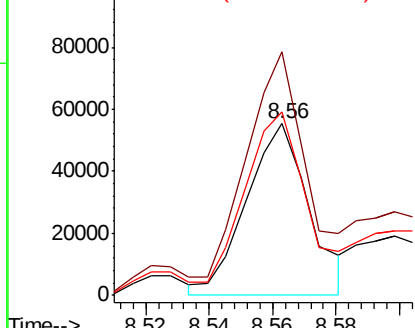
#35  
Caprolactam  
Concen: 20.032 ng  
RT: 8.56 min Scan# 1101  
Delta R.T. -0.02 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleID :  
PB116645BS

Tot Ion:113 Resp: 74942  
Ion Ratio Lower Upper  
113 100  
55 142.0 121.6 161.6  
56 106.9 86.7 126.7

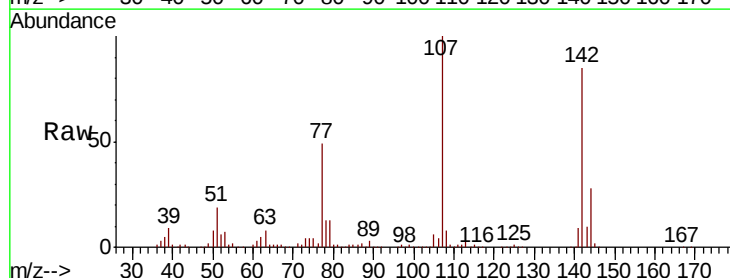


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

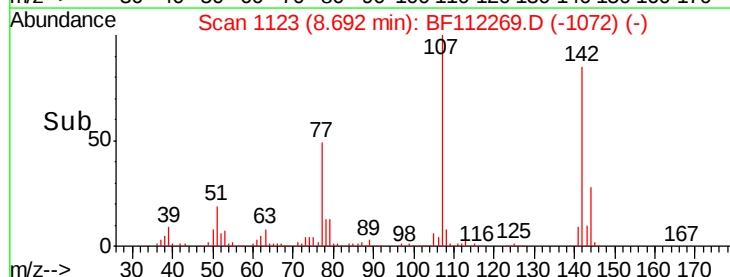
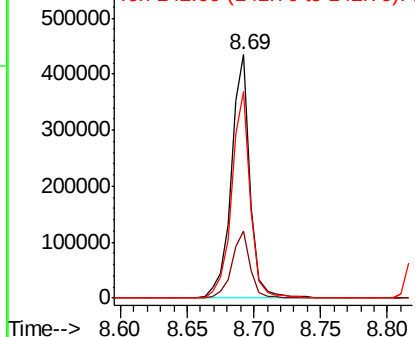


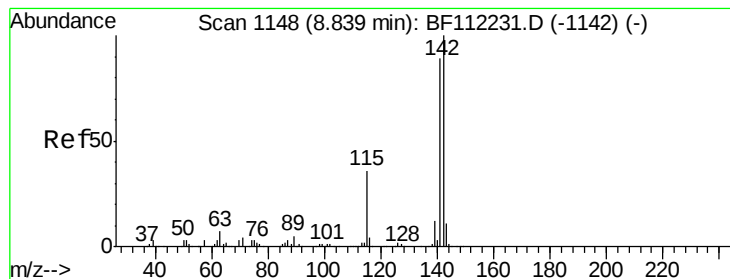
#36  
4-Chloro-3-methylphenol  
Concen: 38.231 ng  
RT: 8.69 min Scan# 1123  
Delta R.T. 0.00 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:107 Resp: 429202  
Ion Ratio Lower Upper  
107 100  
144 27.7 22.2 33.2  
142 84.9 67.7 101.5



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 42.575 ng

RT: 8.84 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

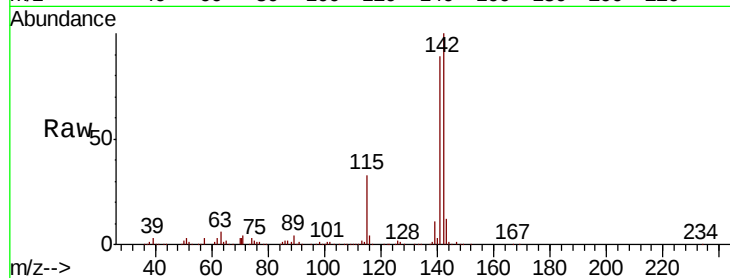
Tot Ion:142 Resp: 1012093

Ion Ratio Lower Upper

142 100

141 88.6 70.9 106.3

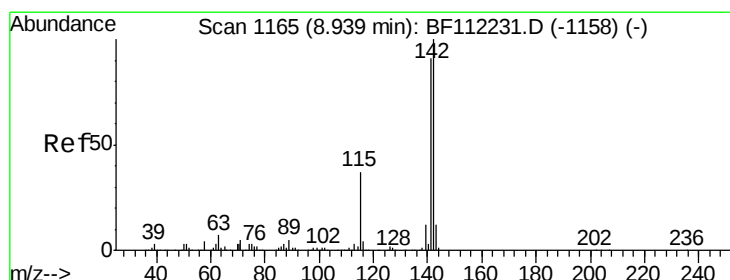
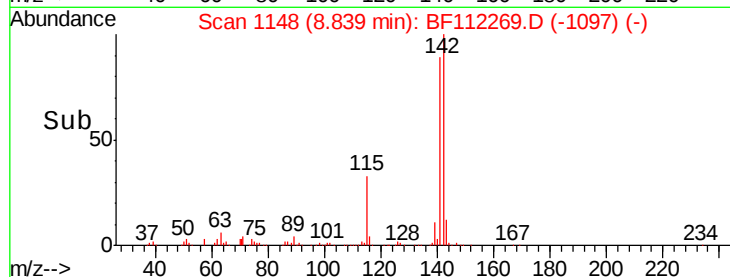
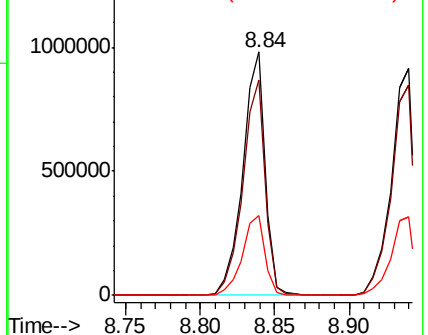
115 32.8 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 41.552 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

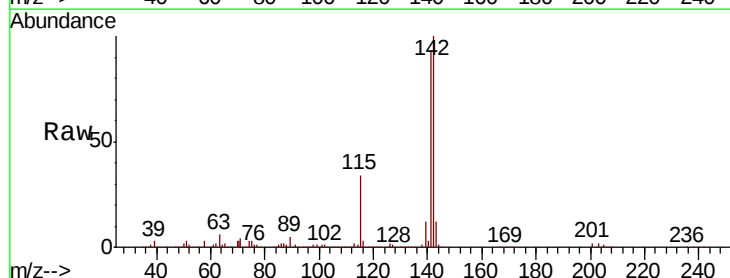
Tgt Ion:142 Resp: 946757

Ion Ratio Lower Upper

142 100

141 93.0 72.6 108.8

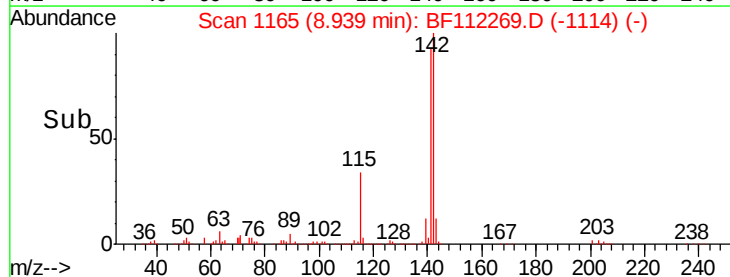
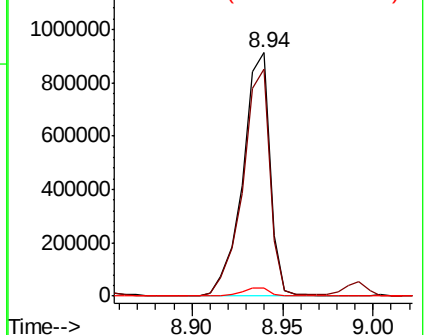
116 3.4 2.8 4.2

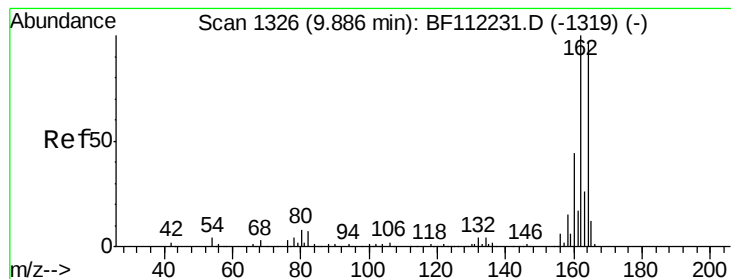


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

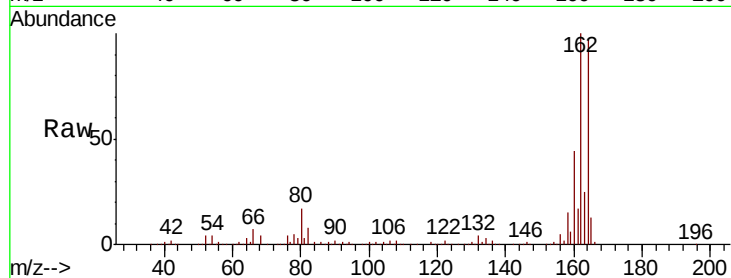
Tot Ion:164 Resp: 384774

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.4

160 45.9 36.2 54.4

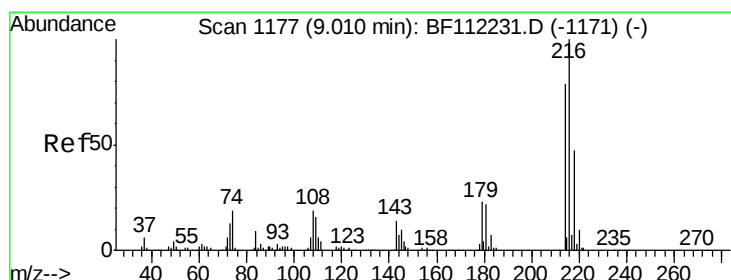
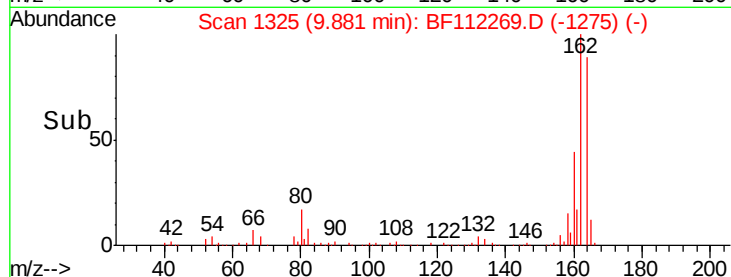
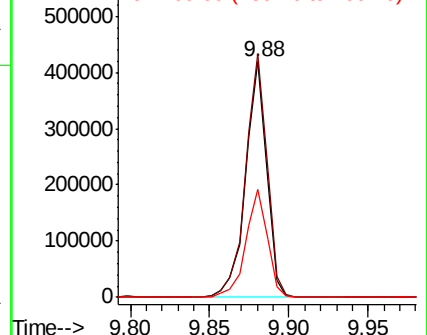


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.758 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Tgt Ion:216 Resp: 464386

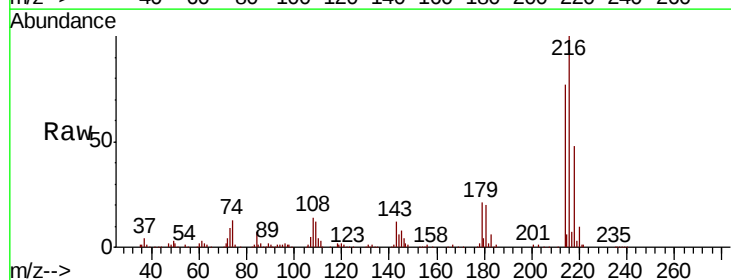
Ion Ratio Lower Upper

216 100

214 78.4 63.8 95.6

179 21.7 16.9 25.3

108 19.4 14.2 21.4



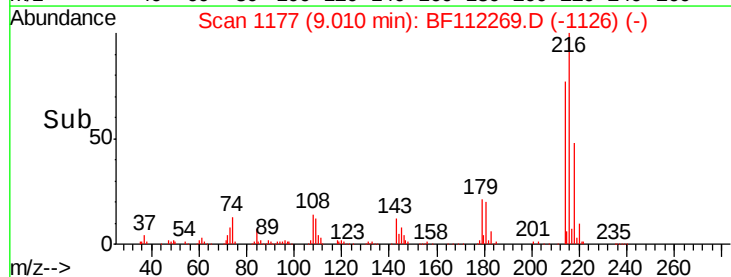
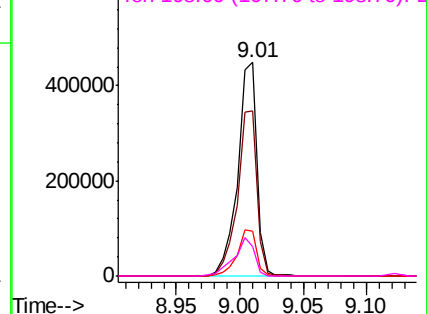
Abundance

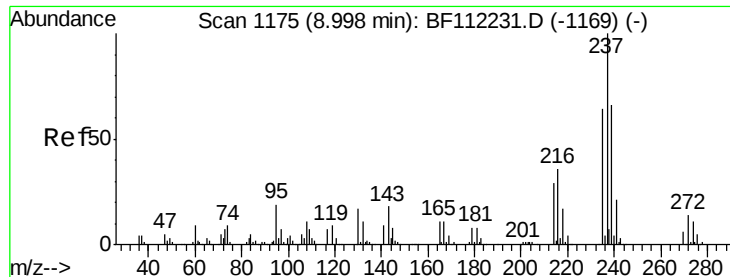
Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 74.553 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

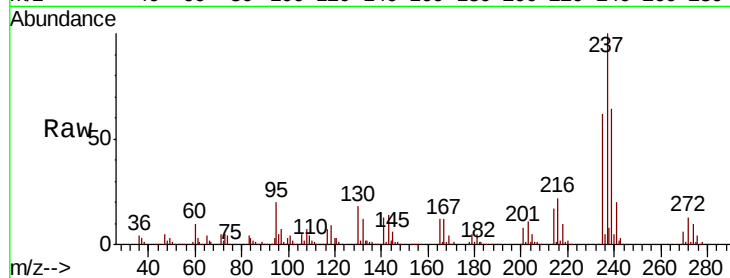
Tot Ion:237 Resp: 353442

Ion Ratio Lower Upper

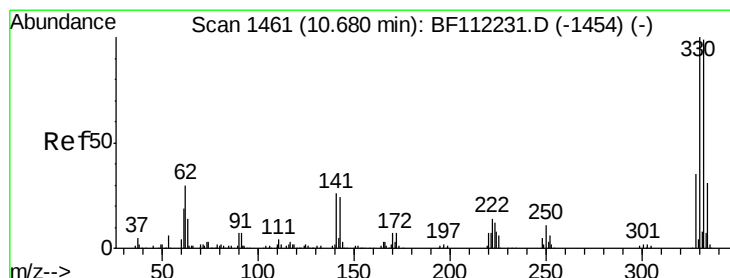
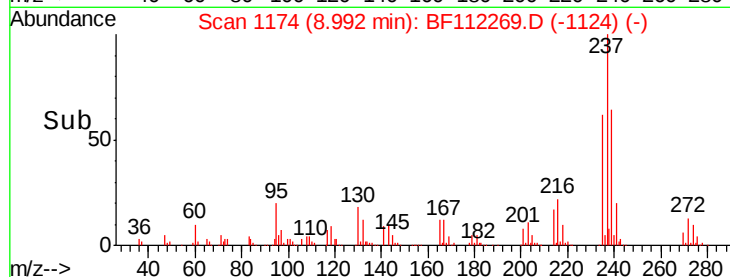
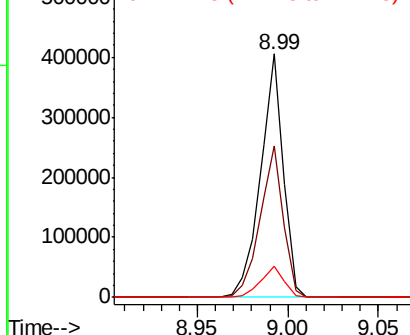
237 100

235 62.1 44.0 84.0

272 12.8 0.0 33.3



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



#42

2,4,6-Tribromophenol

Concen: 128.783 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

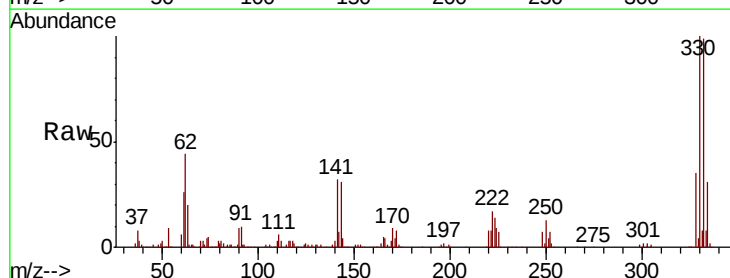
Tgt Ion:330 Resp: 576774

Ion Ratio Lower Upper

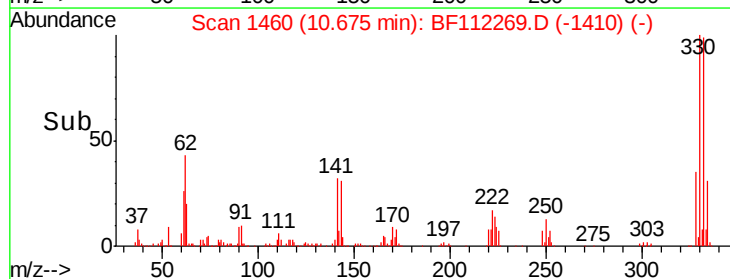
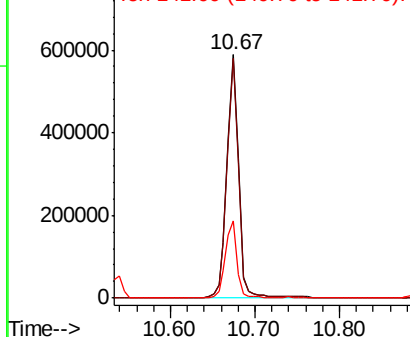
330 100

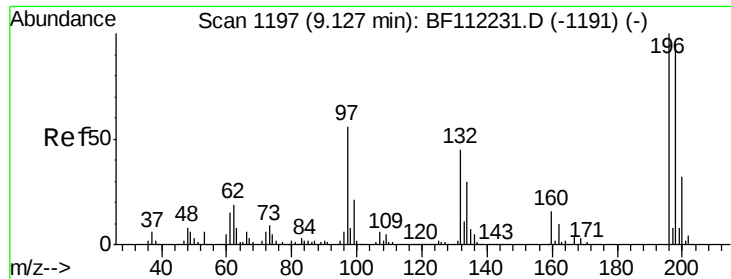
332 98.3 76.6 114.8

141 31.5 24.3 36.5



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

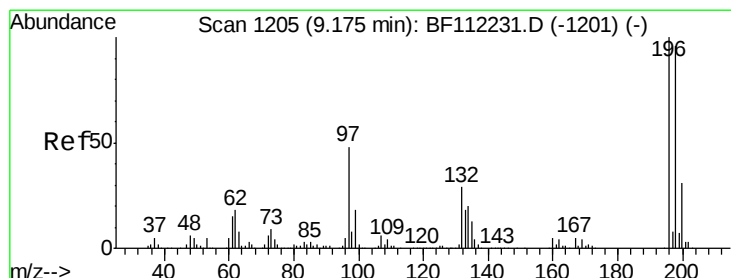
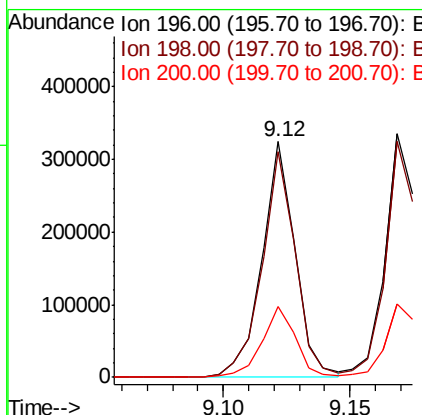
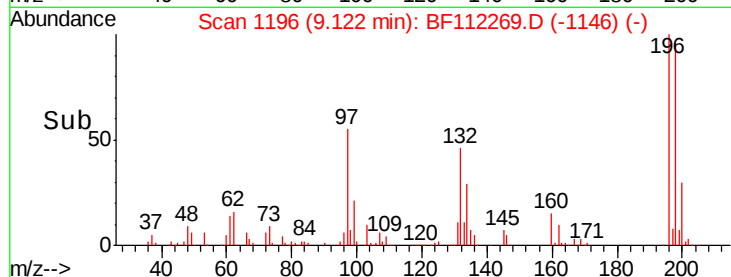
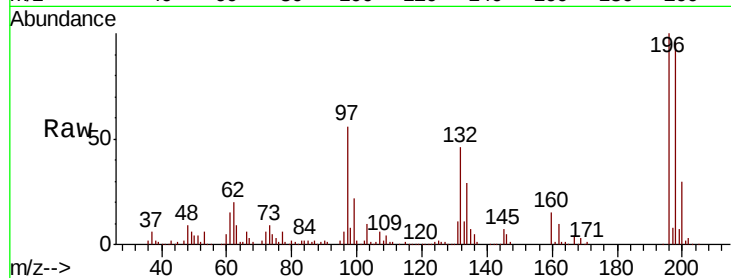




#43  
 2,4,6-Trichlorophenol  
 Concen: 38.002 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

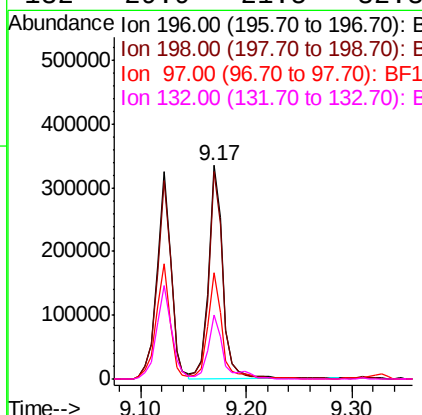
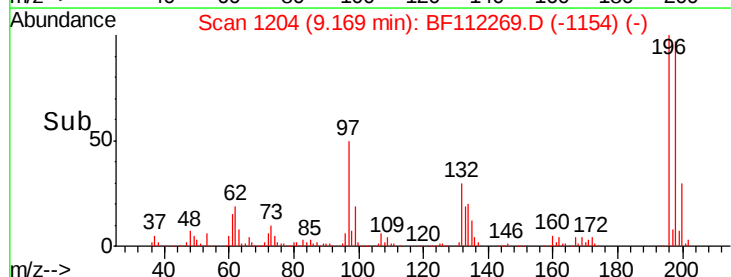
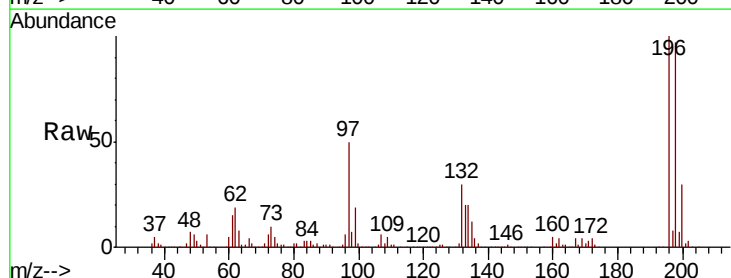
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

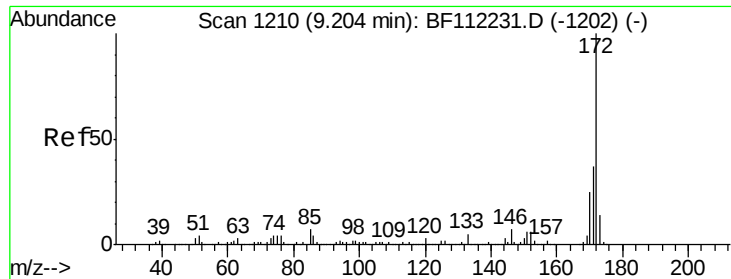
Tot Ion:196 Resp: 295935  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 76.2 114.4  
 200 29.8 24.3 36.5



#44  
 2,4,5-Trichlorophenol  
 Concen: 39.047 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion:196 Resp: 317795  
 Ion Ratio Lower Upper  
 196 100  
 198 97.1 76.0 114.0  
 97 50.0 36.4 54.6  
 132 29.9 21.5 32.3

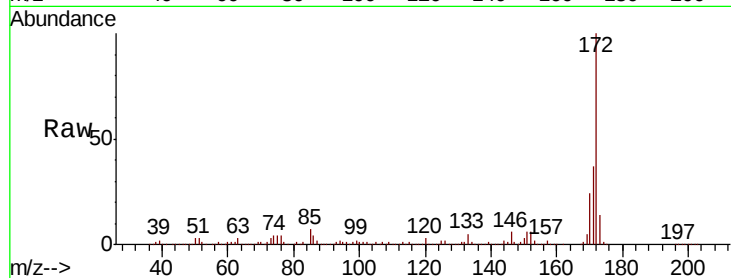




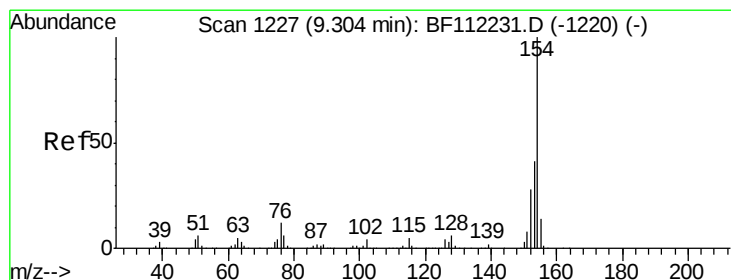
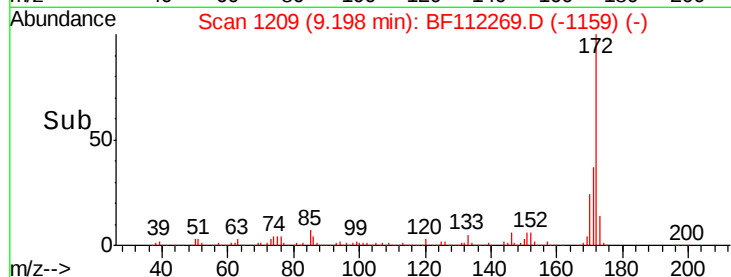
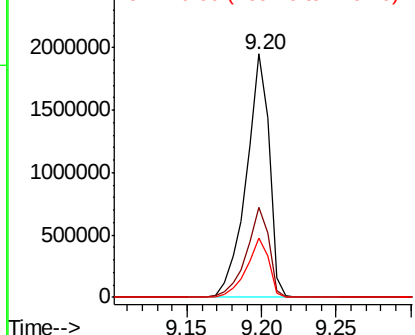
#45  
2-Fluorobiphenyl  
Concen: 76.172 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:172 Resp: 2072283  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.5 45.7  
170 24.4 20.2 30.4

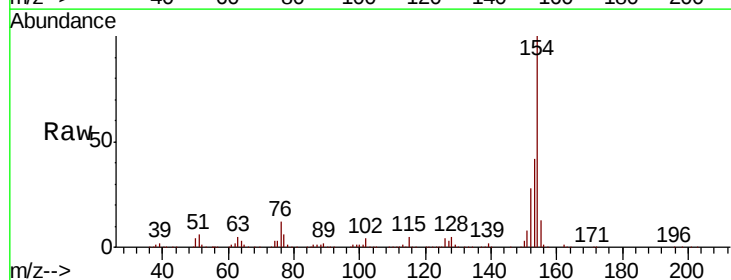


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

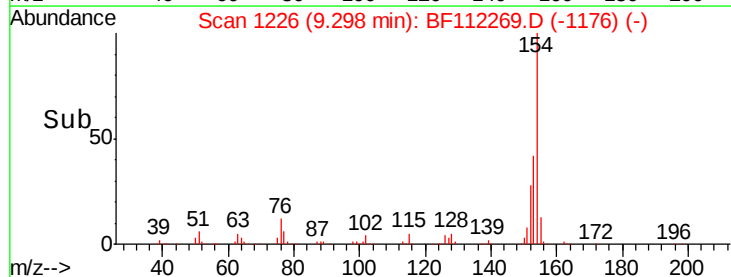
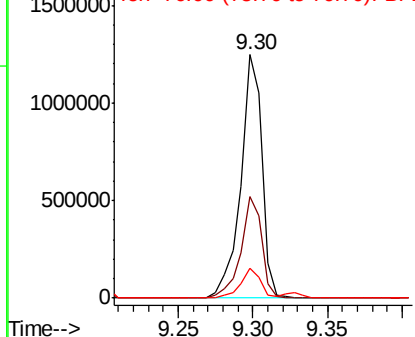


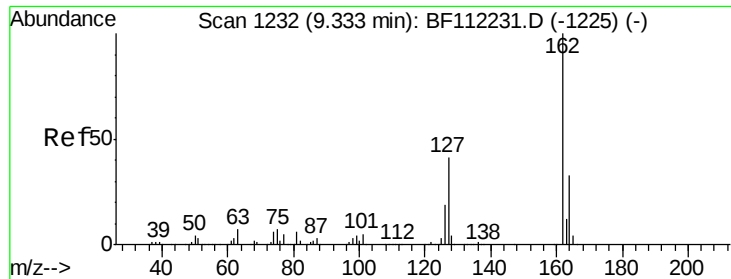
#46  
1,1'-Biphenyl  
Concen: 36.516 ng  
RT: 9.30 min Scan# 1226  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:154 Resp: 1228345  
Ion Ratio Lower Upper  
154 100  
153 41.6 21.5 61.5  
76 12.3 0.0 33.1



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): BF1

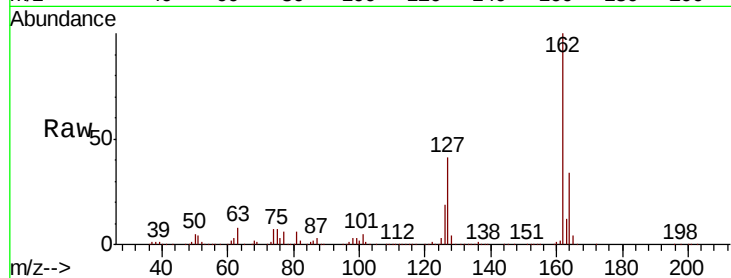




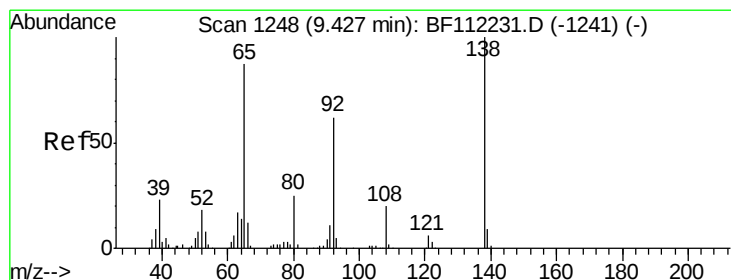
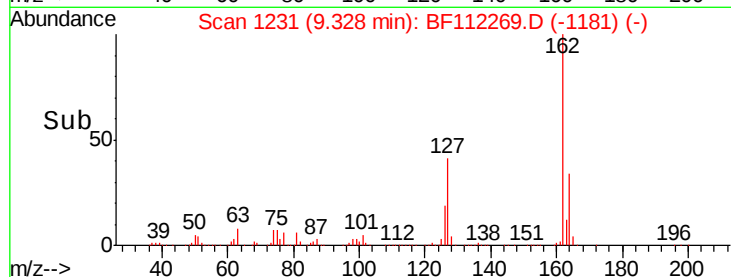
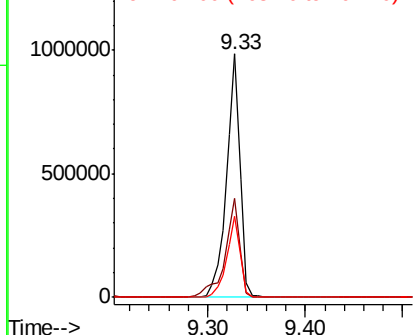
#47  
 2-Chloronaphthalene  
 Concen: 36.100 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

Tot Ion:162 Resp: 941679  
 Ion Ratio Lower Upper  
 162 100  
 127 40.9 30.4 45.6  
 164 33.5 27.4 41.2

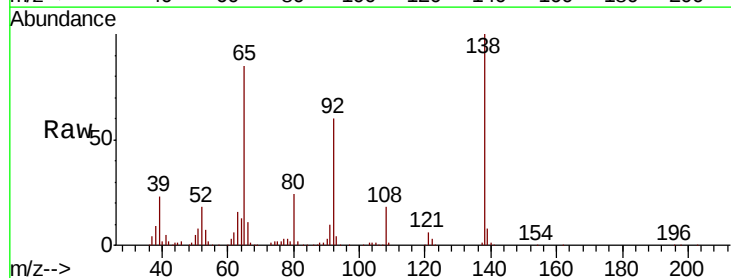


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

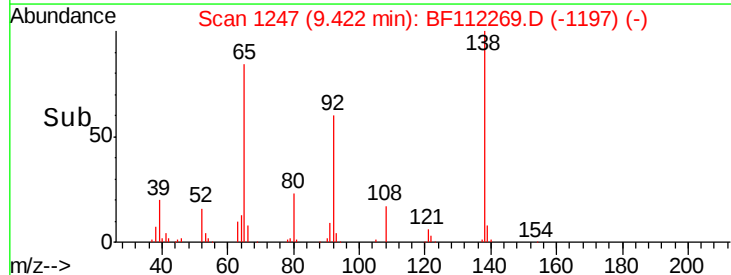
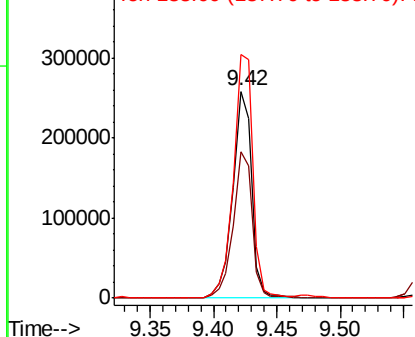


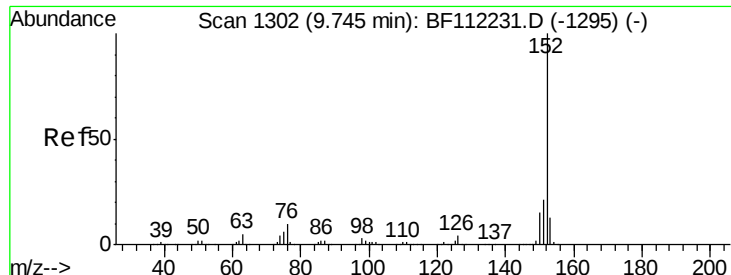
#48  
 2-Nitroaniline  
 Concen: 37.322 ng  
 RT: 9.42 min Scan# 1247  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion: 65 Resp: 265353  
 Ion Ratio Lower Upper  
 65 100  
 92 70.7 60.4 90.6  
 138 117.6 104.4 156.6



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 39.444 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

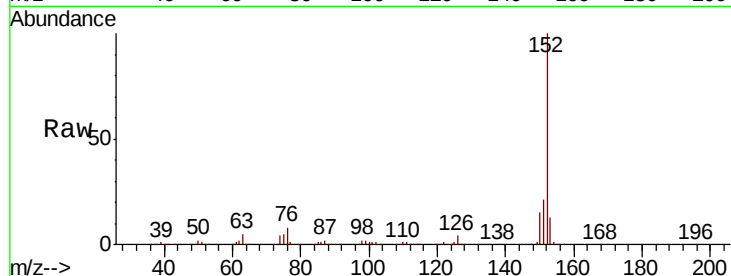
Tot Ion:152 Resp: 1508095

Ion Ratio Lower Upper

152 100

151 21.2 17.0 25.6

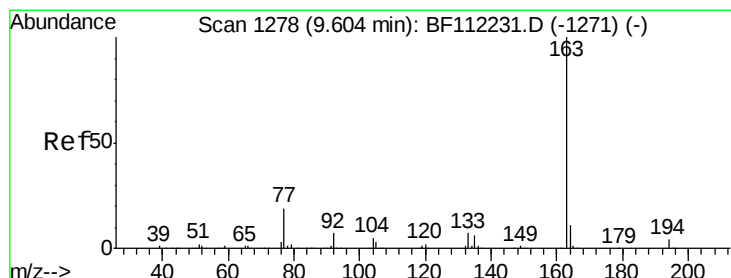
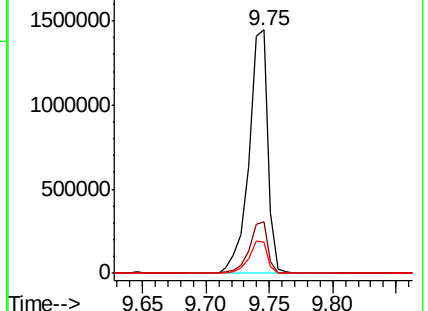
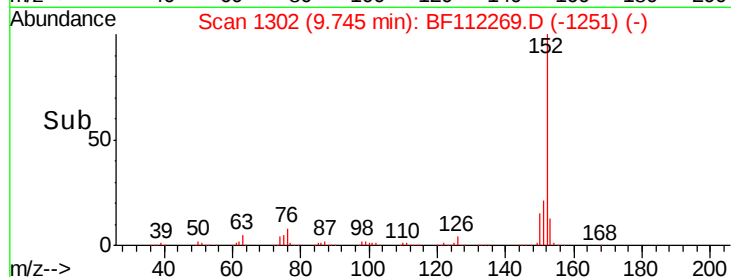
153 13.0 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.038 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

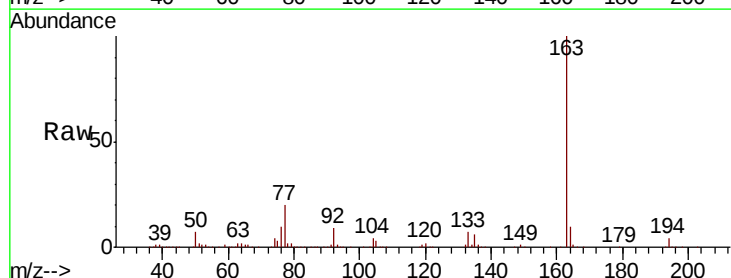
Tgt Ion:163 Resp: 1137134

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

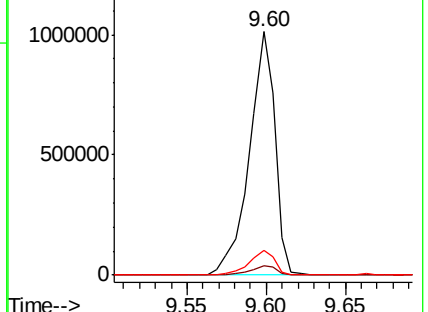
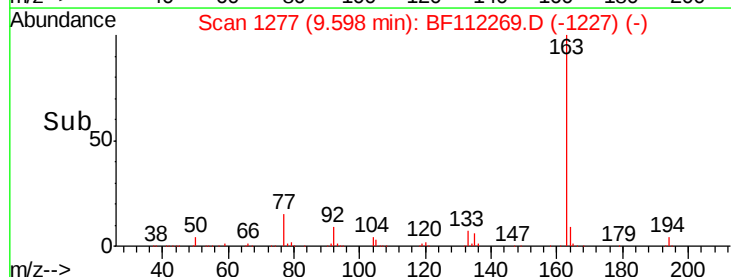
164 10.3 8.5 12.7

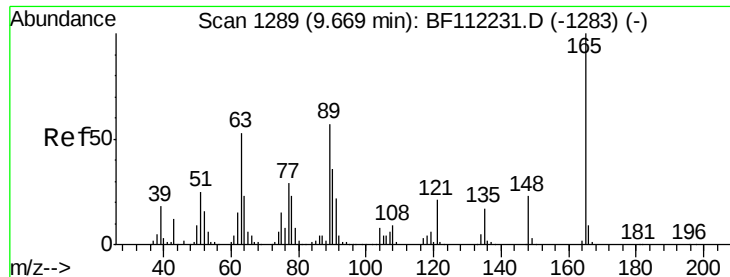


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

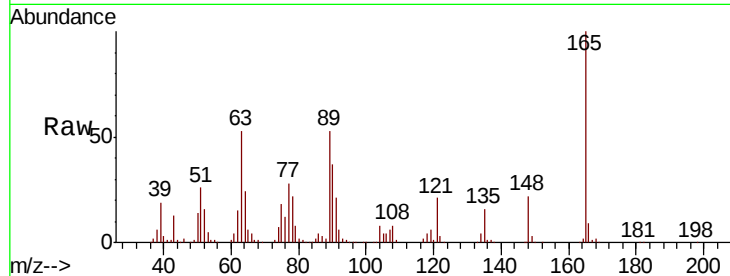




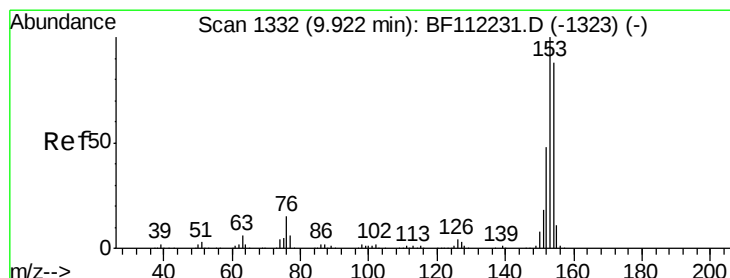
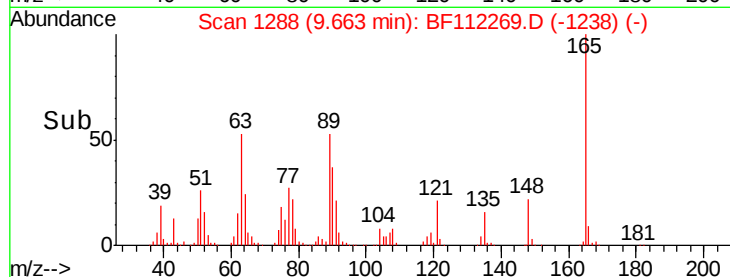
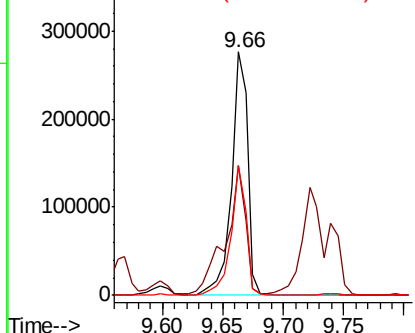
#51  
2,6-Dinitrotoluene  
Concen: 38.640 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:165 Resp: 258710  
Ion Ratio Lower Upper  
165 100  
63 53.2 33.8 50.8#  
89 53.2 36.9 55.3

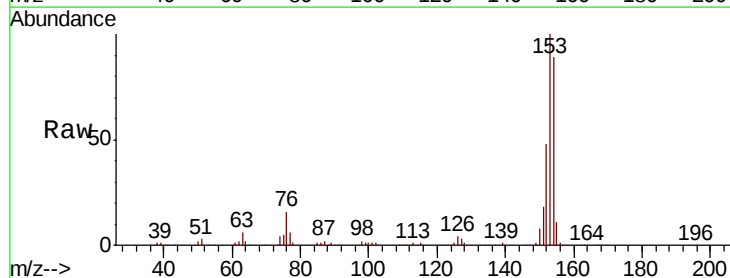


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

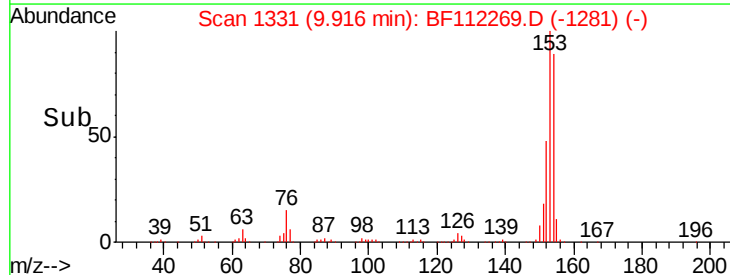
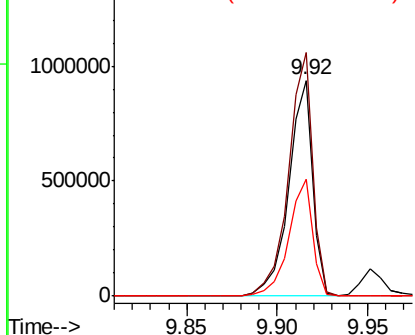


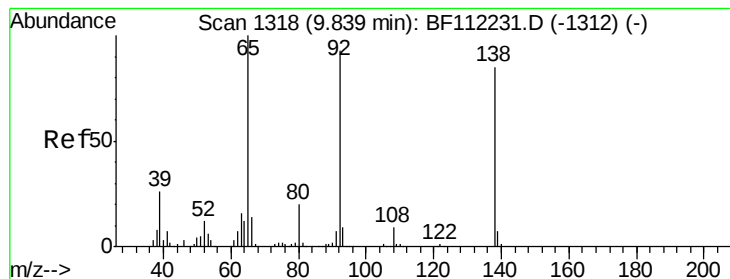
#52  
Acenaphthene  
Concen: 38.263 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:154 Resp: 873925  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.8 134.6  
152 54.1 43.5 65.3



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





#53

3-Nitroaniline

Concen: 23.973 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

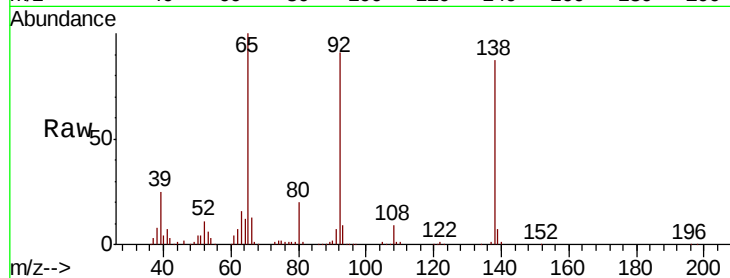
Tot Ion:138 Resp: 173887

Ion Ratio Lower Upper

138 100

108 9.8 9.8 14.6

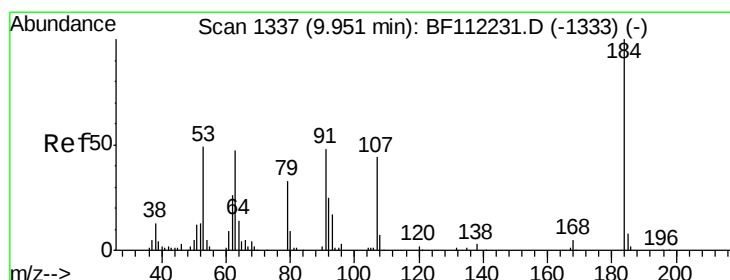
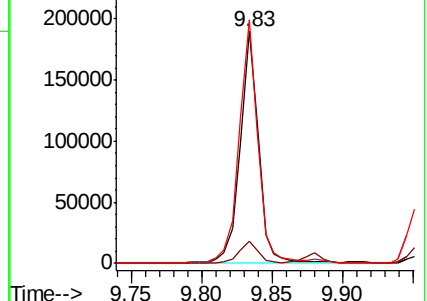
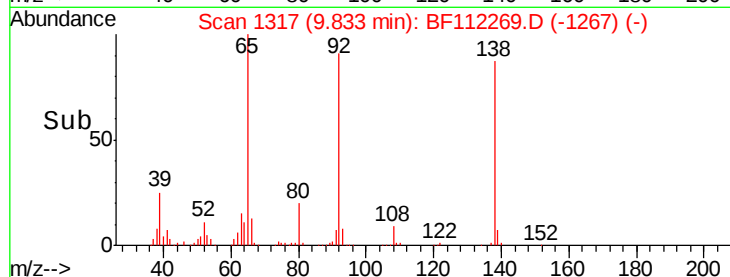
92 104.9 79.4 119.2



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): BF1



#54

2,4-Dinitrophenol

Concen: 85.614 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

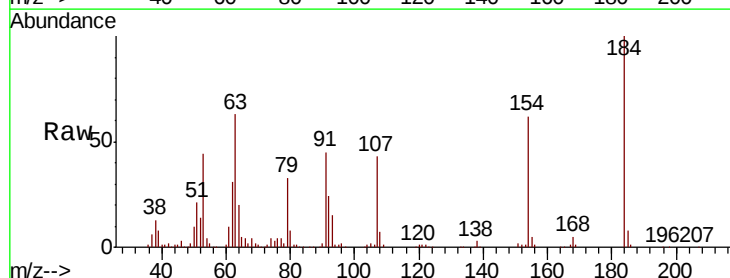
Tgt Ion:184 Resp: 183960

Ion Ratio Lower Upper

184 100

63 63.3 47.1 70.7

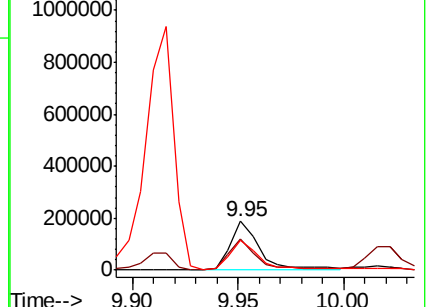
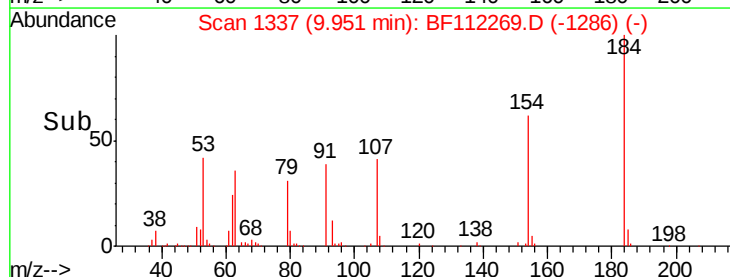
154 62.1 48.9 73.3

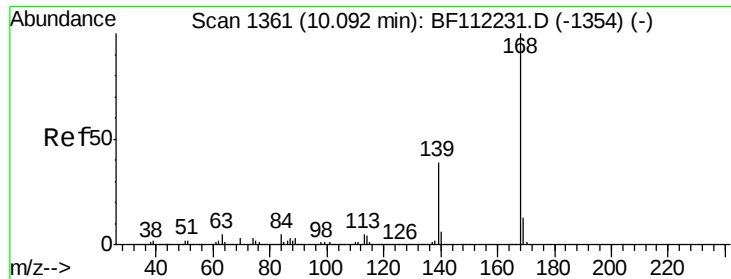


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

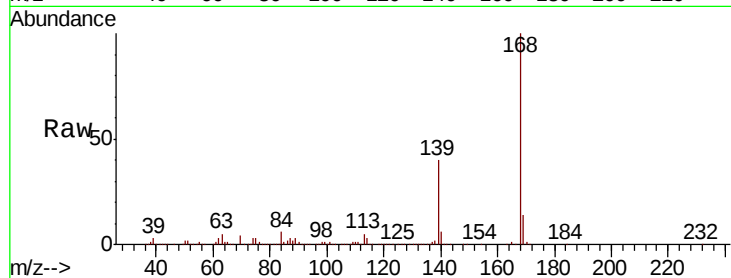




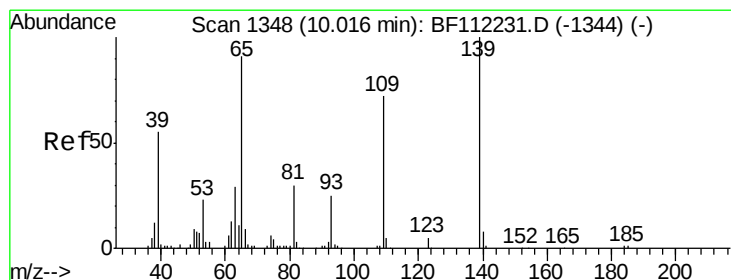
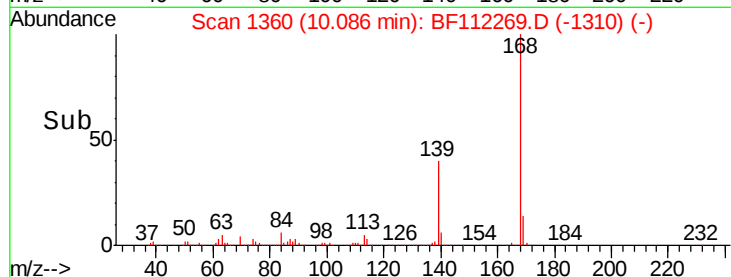
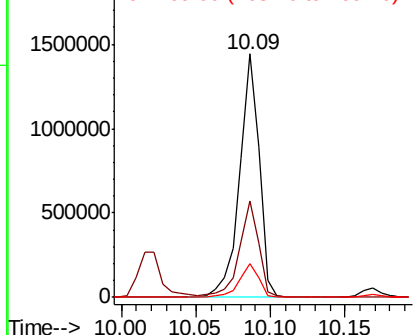
#55  
Dibenzofuran  
Concen: 37.954 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:168 Resp: 1324692  
Ion Ratio Lower Upper  
168 100  
139 39.6 29.2 43.8  
169 13.9 11.4 17.0

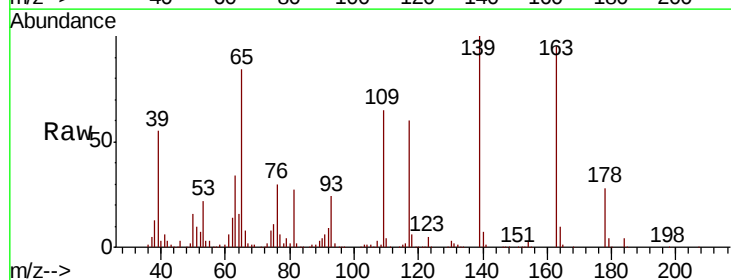


Abundance Ion 168.00 (167.70 to 168.70): E  
2000000 Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

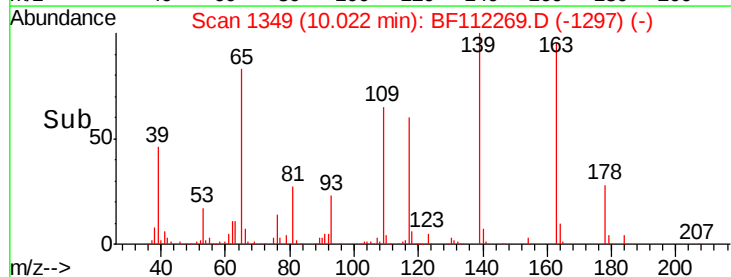
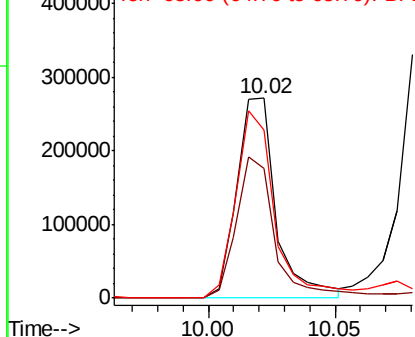


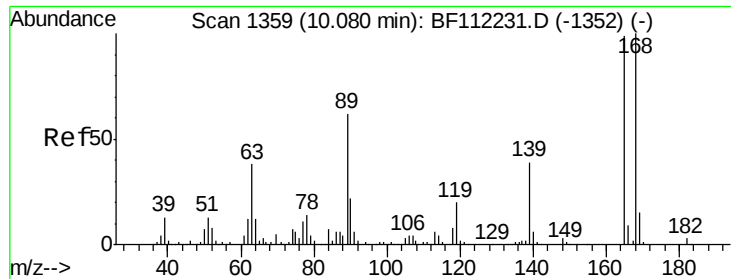
#56  
4-Nitrophenol  
Concen: 76.580 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. 0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:139 Resp: 293674  
Ion Ratio Lower Upper  
139 100  
109 64.9 42.8 82.8  
65 84.2 66.1 106.1



Abundance Ion 139.00 (138.70 to 139.70): E  
400000 Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

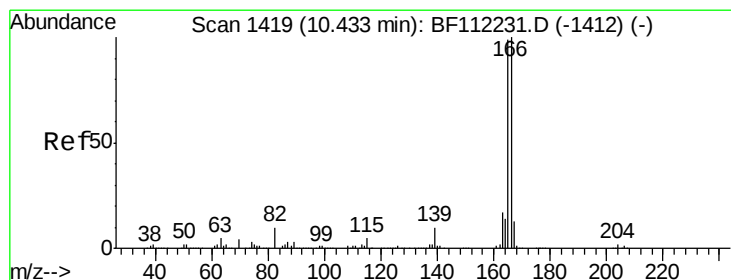
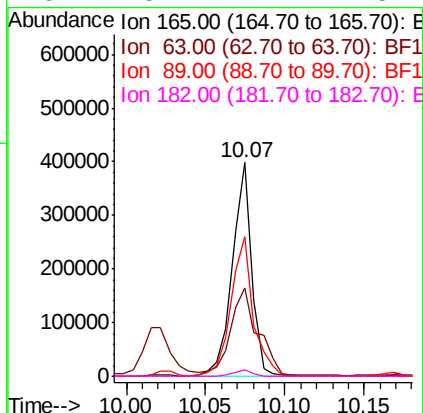
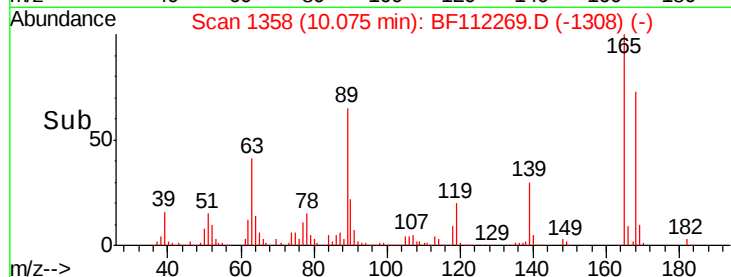
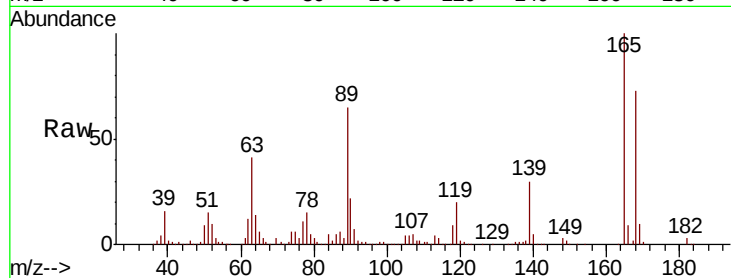




#57  
2,4-Dinitrotoluene  
Concen: 39.620 ng  
RT: 10.07 min Scan# 1358  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

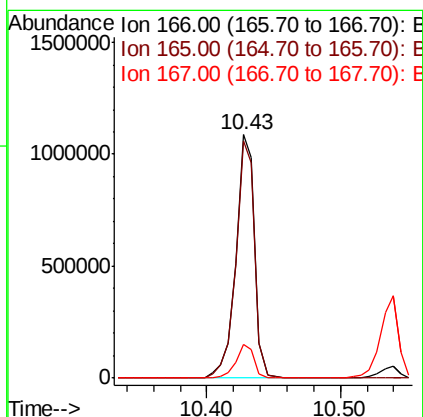
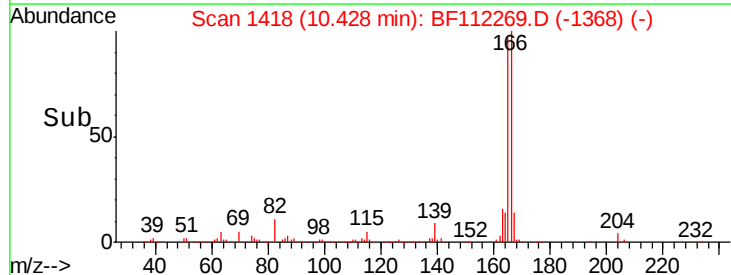
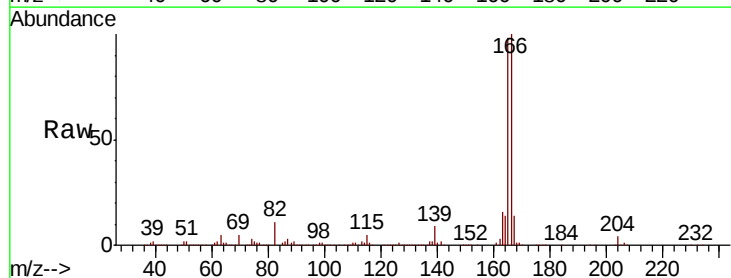
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

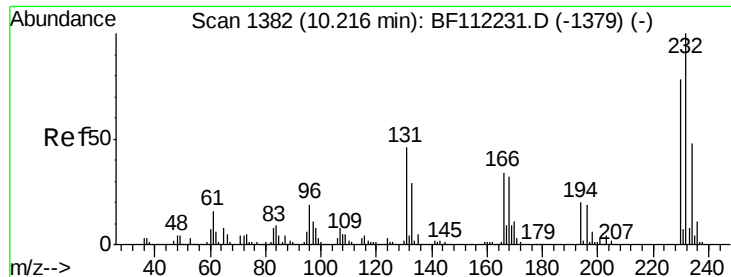
Tot Ion:165 Resp: 337703  
Ion Ratio Lower Upper  
165 100  
63 41.1 27.9 41.9  
89 65.4 47.9 71.9  
182 3.1 2.2 3.4



#58  
Fluorene  
Concen: 40.694 ng  
RT: 10.43 min Scan# 1418  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:166 Resp: 1062868  
Ion Ratio Lower Upper  
166 100  
165 97.5 77.1 115.7  
167 13.7 11.3 16.9

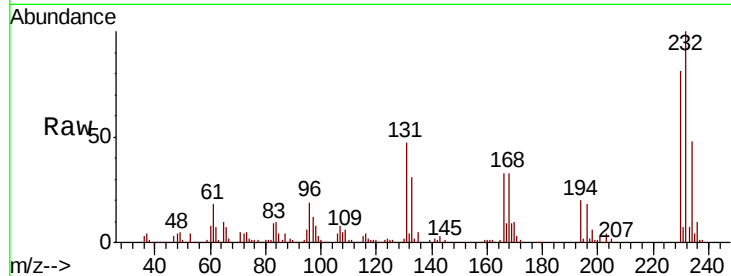




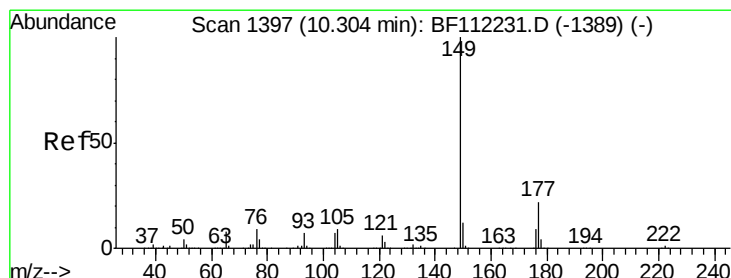
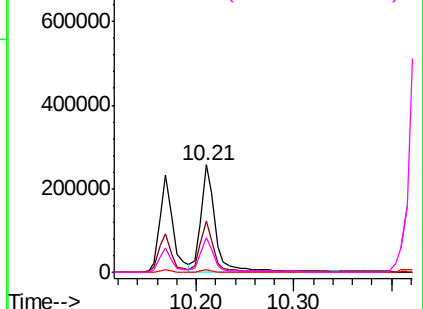
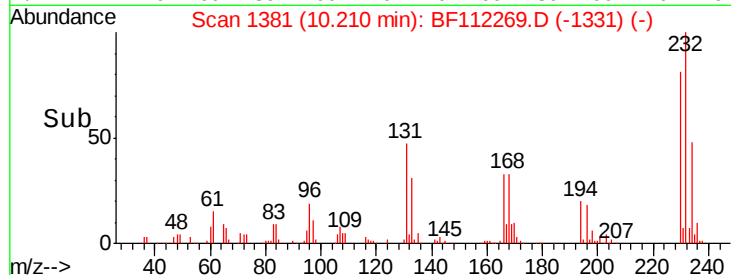
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 42.473 ng  
 RT: 10.21 min Scan# 1381  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 261231 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 42.8  | 33.9  | 50.9   |
| 130      | 2.3   | 1.8   | 2.6    |
| 166      | 29.5  | 23.6  | 35.4   |

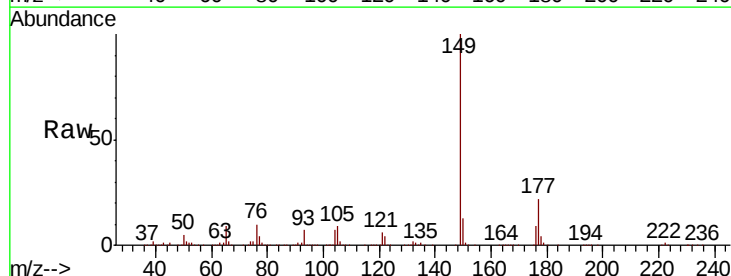


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

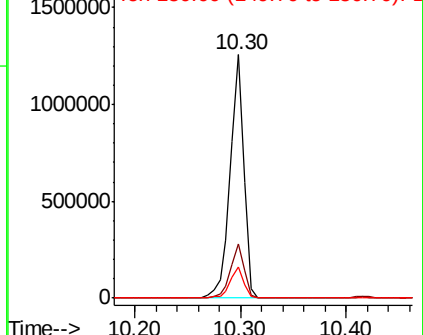
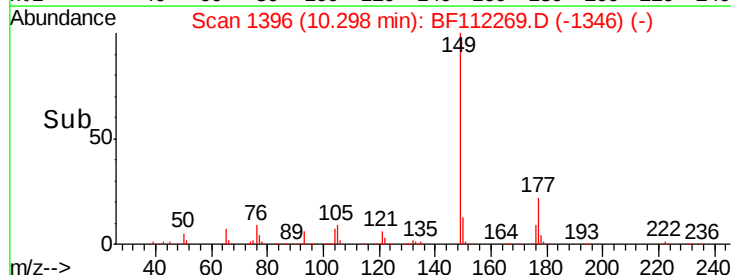


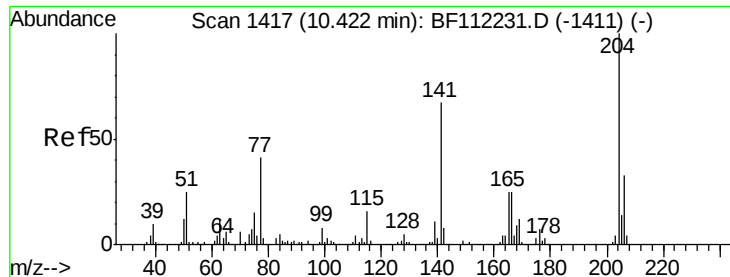
#60  
 Diethylphthalate  
 Concen: 37.936 ng  
 RT: 10.30 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1125459 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 22.1  | 18.2  | 27.2    |
| 150      | 12.9  | 10.4  | 15.6    |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

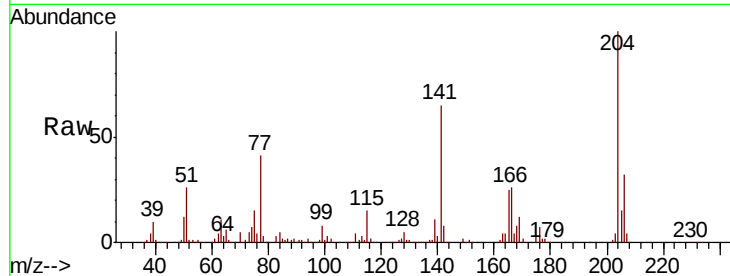




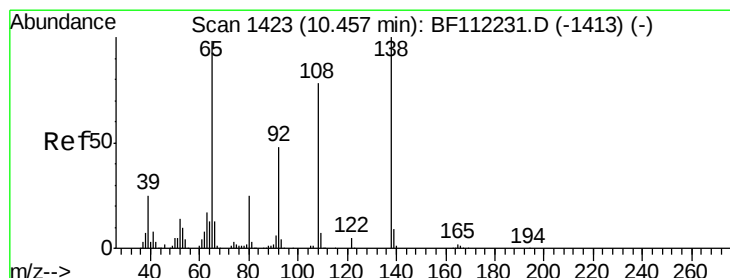
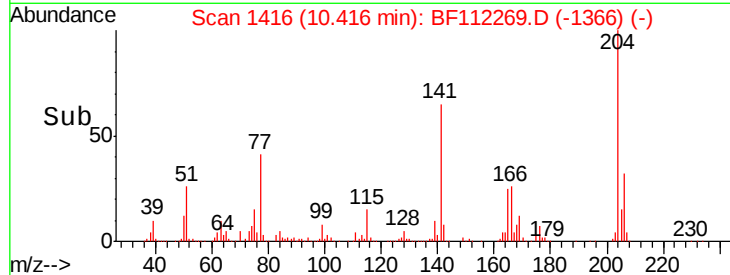
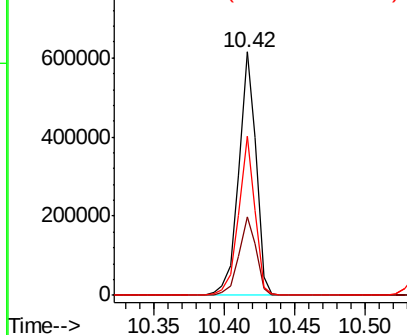
#61  
4-Chlorophenyl-phenylether  
Concen: 36.619 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:204 Resp: 520279  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.5 39.7  
141 65.1 45.9 68.9

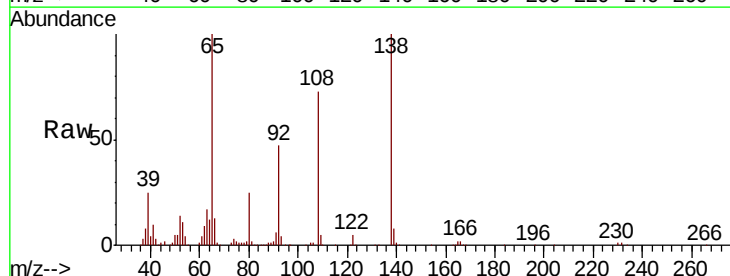


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

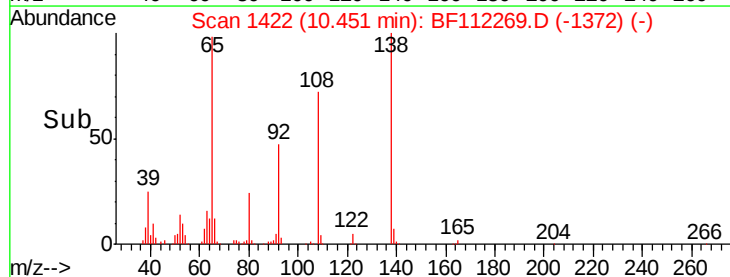
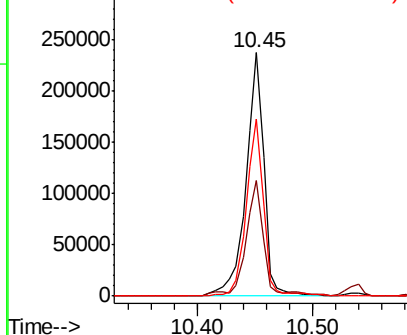


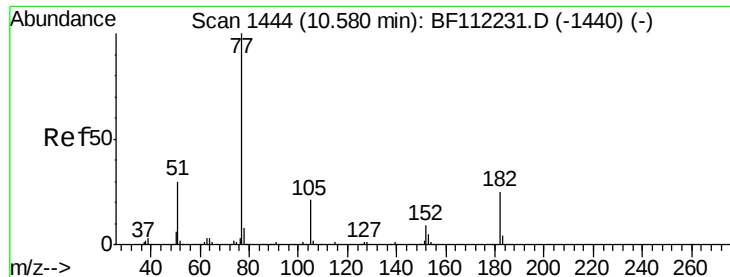
#62  
4-Nitroaniline  
Concen: 36.038 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:138 Resp: 256398  
Ion Ratio Lower Upper  
138 100  
92 47.2 30.6 70.6  
108 72.9 50.0 90.0



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 37.771 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

Tot Ion: 77 Resp: 985520

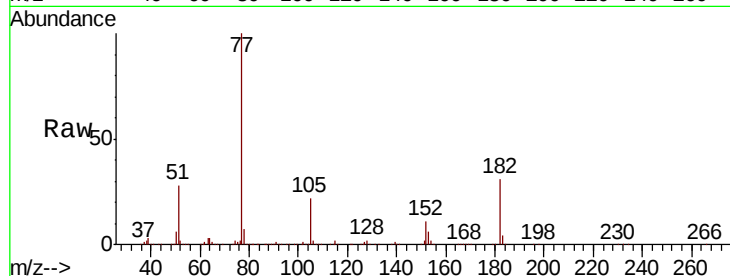
Ion Ratio Lower Upper

77 100

182 30.8 5.7 45.7

105 22.4 1.4 41.4

51 27.8 9.5 49.5

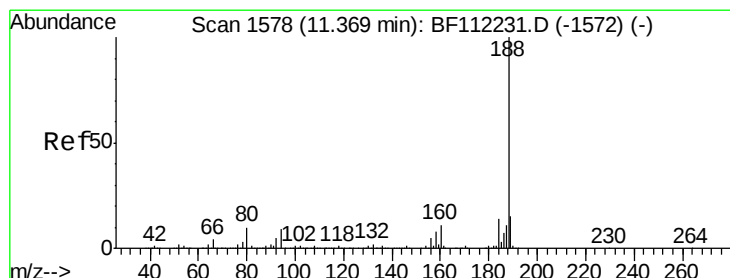
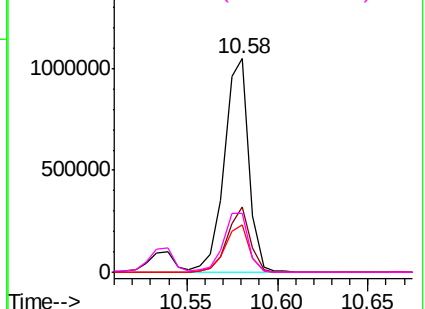
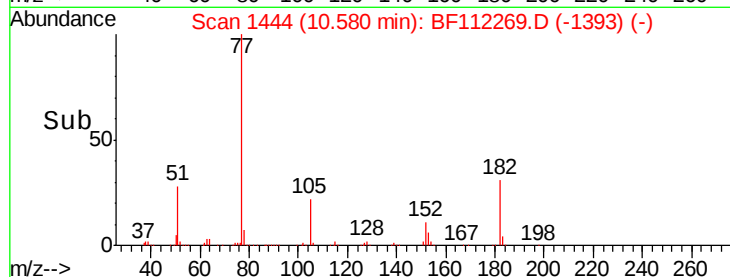


Abundance Ion 77.00 (76.70 to 77.70): BF1

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): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

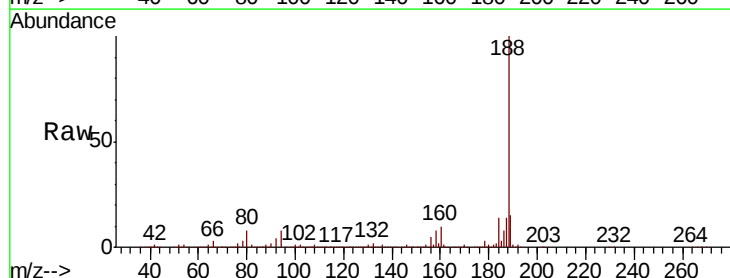
Tgt Ion: 188 Resp: 763013

Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.2#

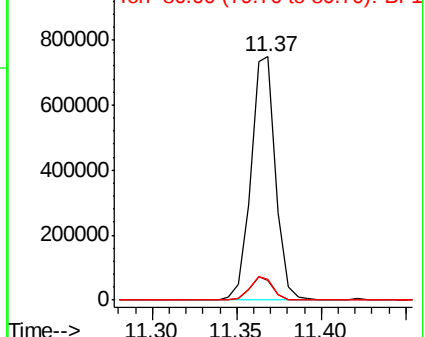
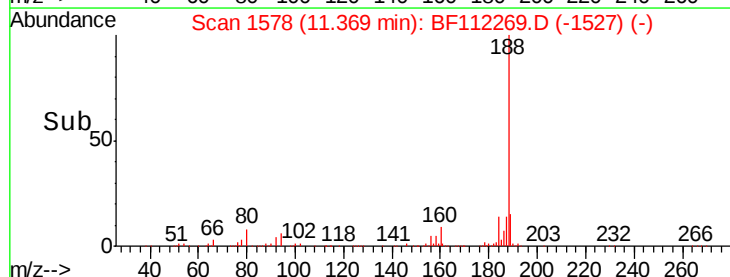
80 8.4 8.9 13.3#

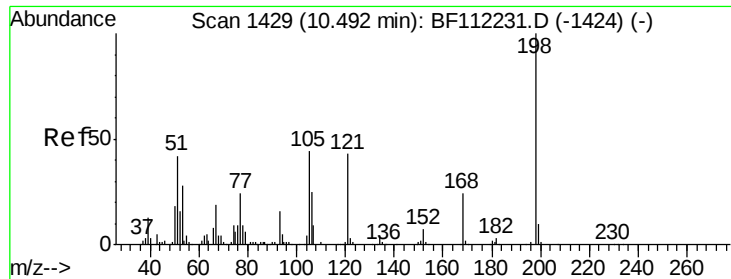


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 33.975 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

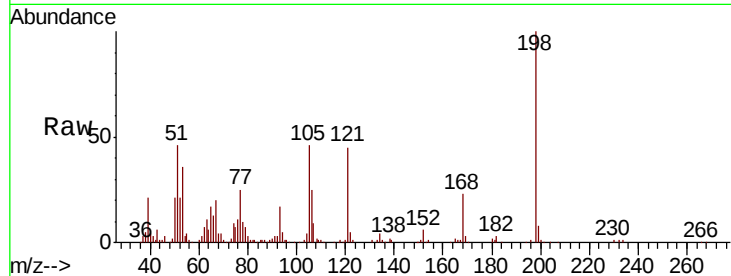
Tot Ion:198 Resp: 145342

Ion Ratio Lower Upper

198 100

51 46.2 17.2 57.2

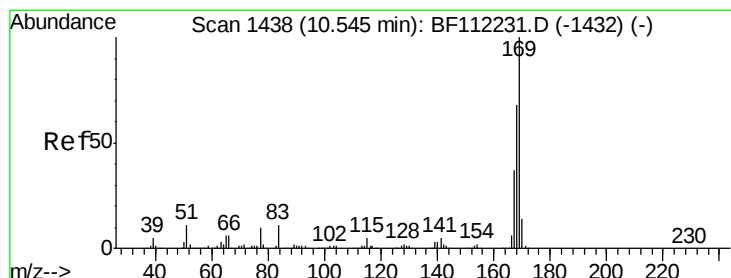
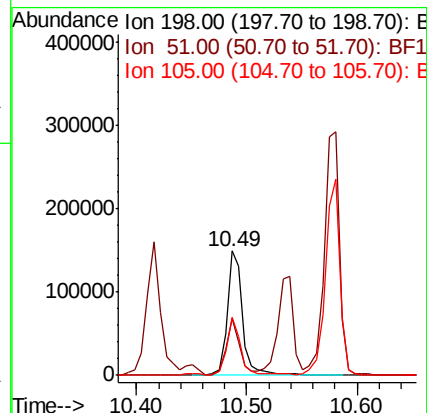
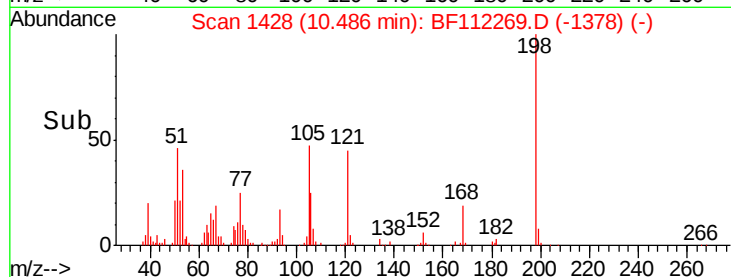
105 46.3 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 36.346 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

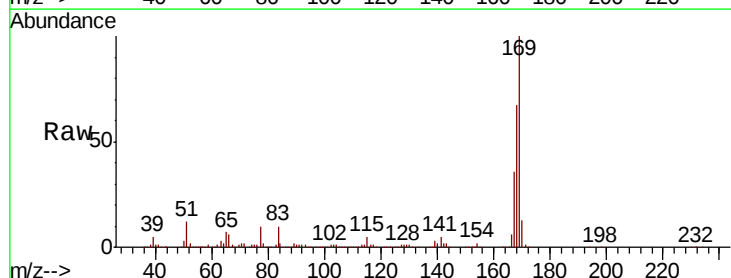
Tgt Ion:169 Resp: 934660

Ion Ratio Lower Upper

169 100

168 66.8 53.9 80.9

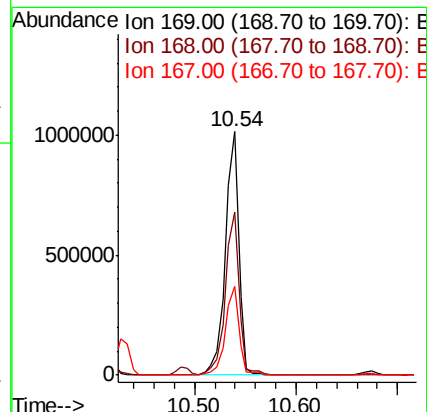
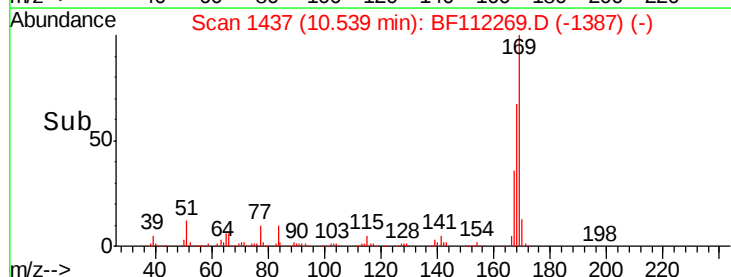
167 36.3 28.9 43.3

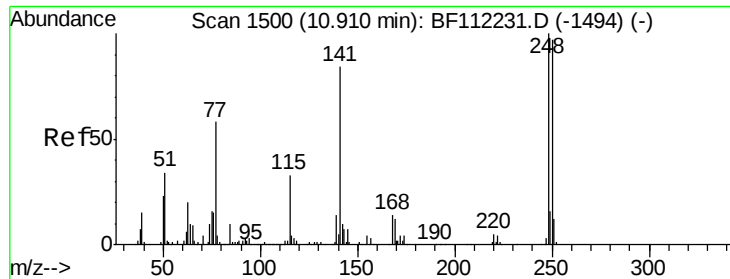


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

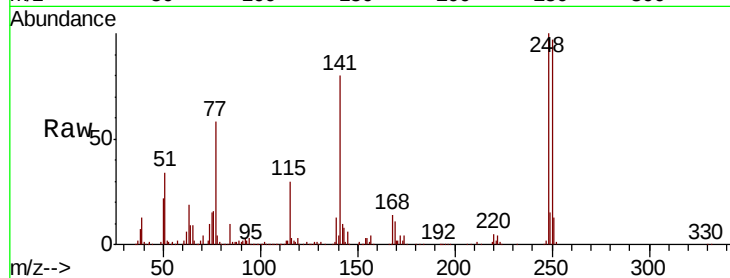




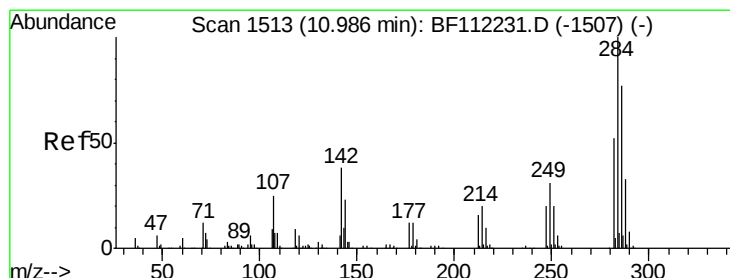
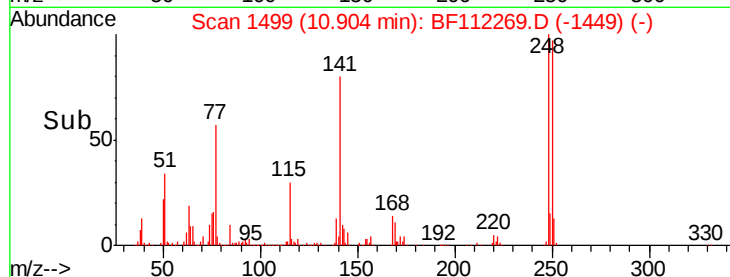
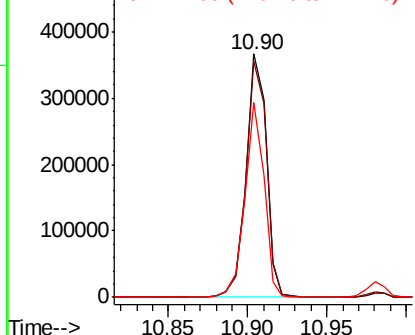
#67  
4-Bromophenyl-phenylether  
Concen: 36.276 ng  
RT: 10.90 min Scan# 1499  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:248 Resp: 325547  
Ion Ratio Lower Upper  
248 100  
250 97.1 79.7 119.5  
141 79.9 60.3 90.5

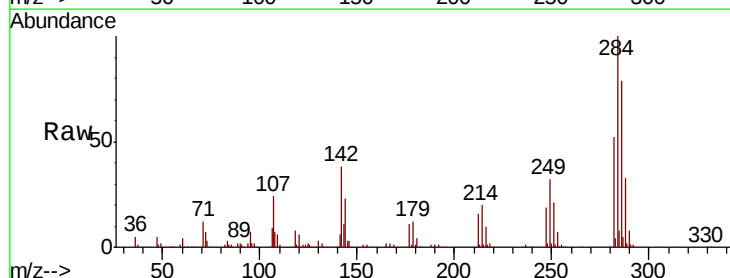


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

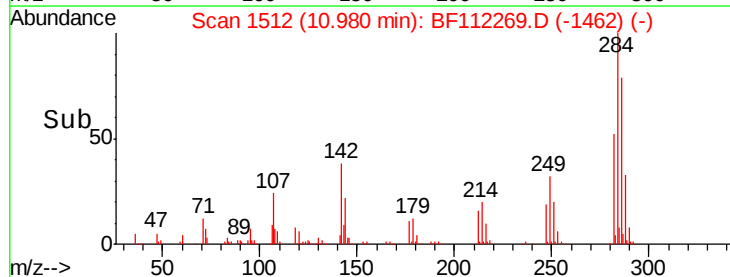
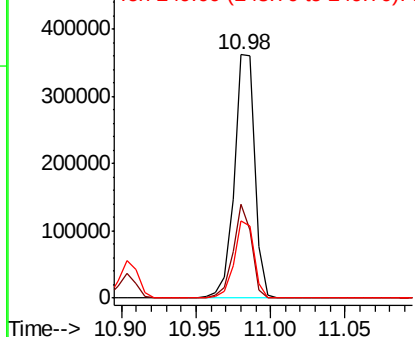


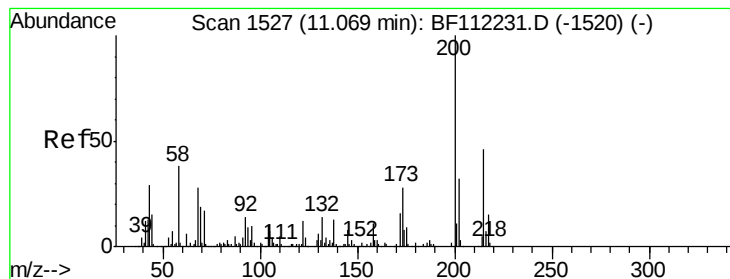
#68  
Hexachlorobenzene  
Concen: 36.640 ng  
RT: 10.98 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:284 Resp: 352776  
Ion Ratio Lower Upper  
284 100  
142 38.4 27.6 41.4  
249 31.8 24.1 36.1



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





#69

Atrazine

Concen: 38.692 ng

RT: 11.06 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

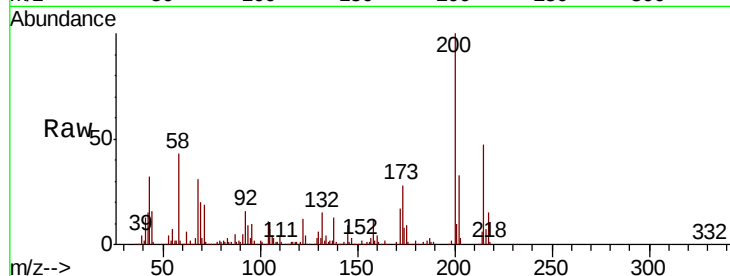
Tot Ion:200 Resp: 321055

Ion Ratio Lower Upper

200 100

173 27.6 7.1 47.1

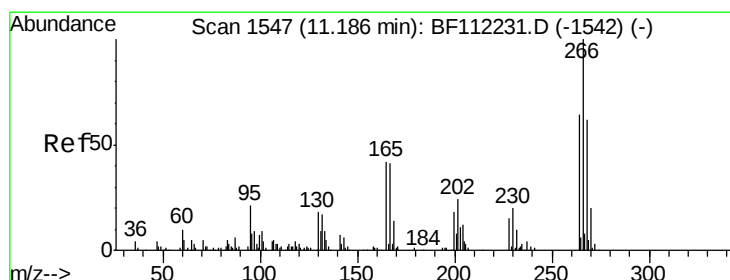
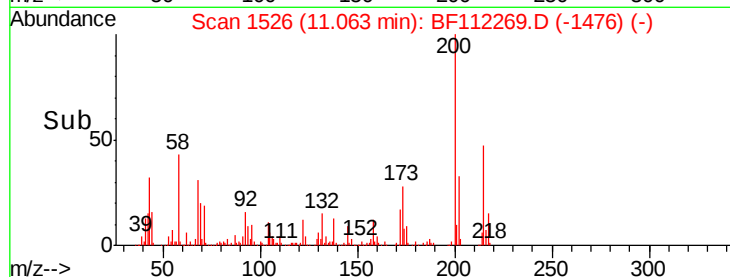
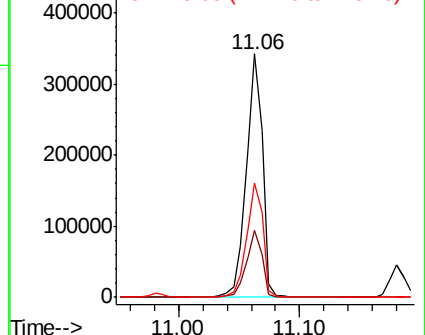
215 46.9 30.4 70.4



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



#70

Pentachlorophenol

Concen: 71.883 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

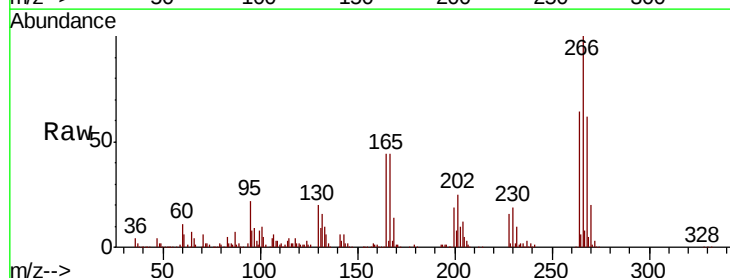
Tgt Ion:266 Resp: 269302

Ion Ratio Lower Upper

266 100

268 62.3 51.2 76.8

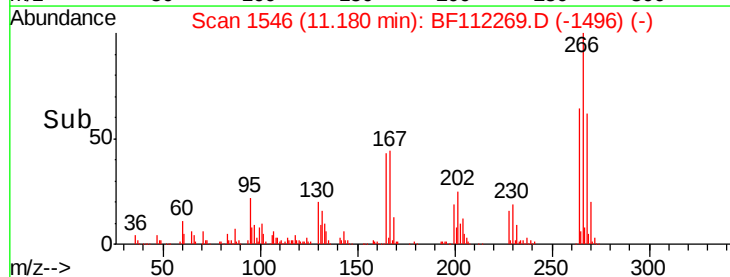
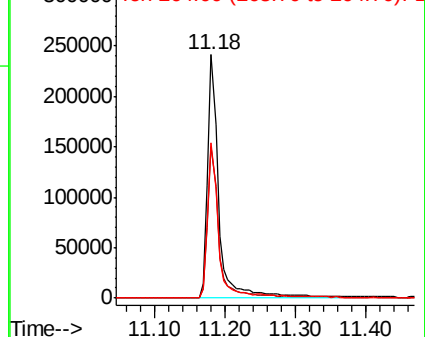
264 63.7 50.9 76.3

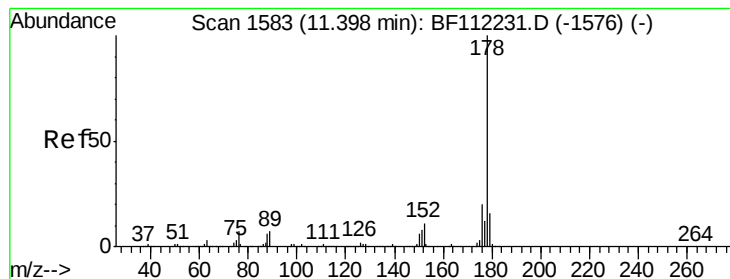


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 39.156 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

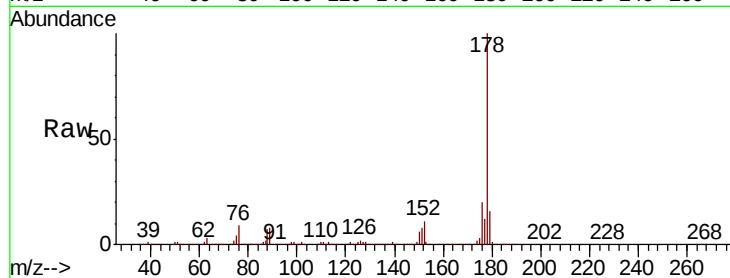
Tot Ion:178 Resp: 1553224

Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

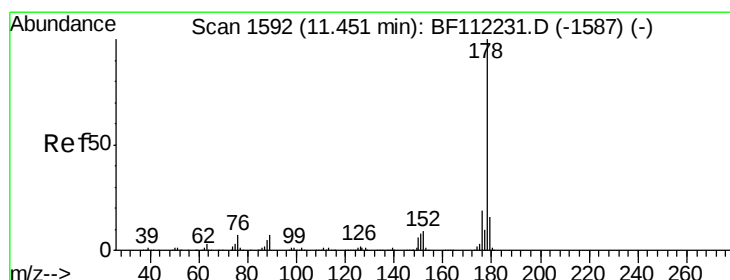
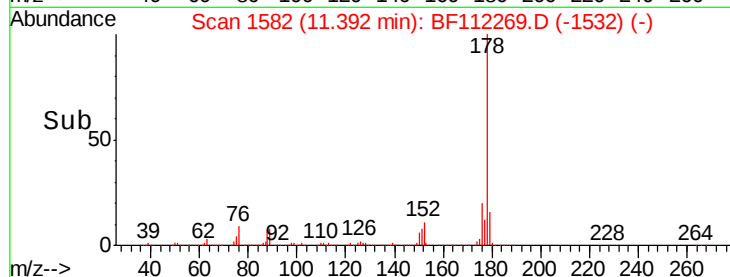
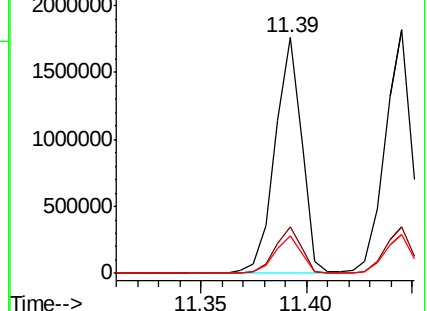
179 15.9 13.0 19.4



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

Anthracene

Concen: 40.601 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

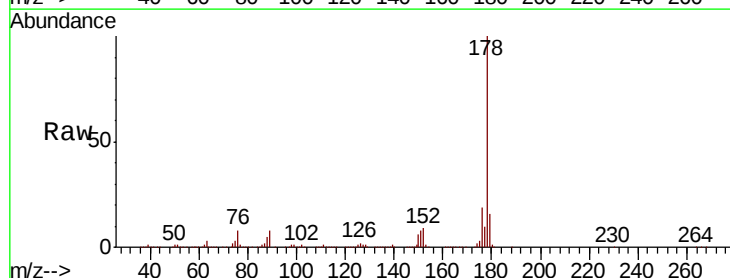
Tgt Ion:178 Resp: 1604303

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

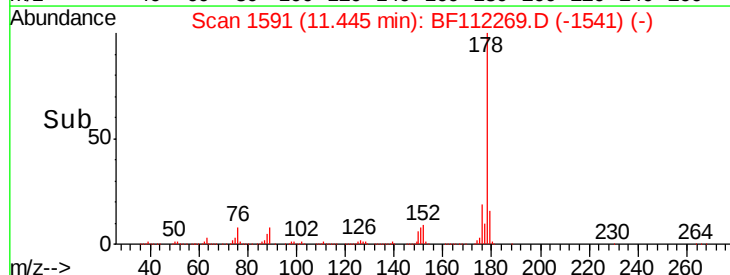
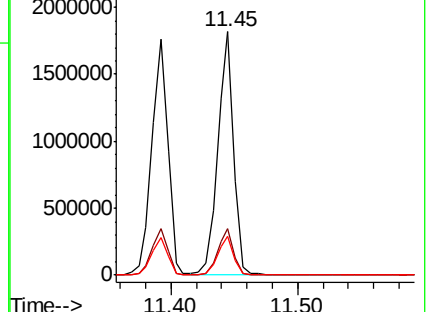
179 15.9 12.8 19.2

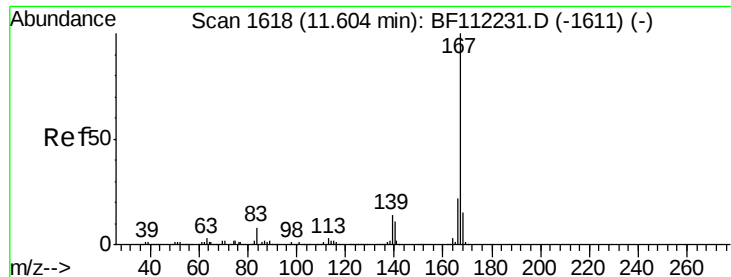


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



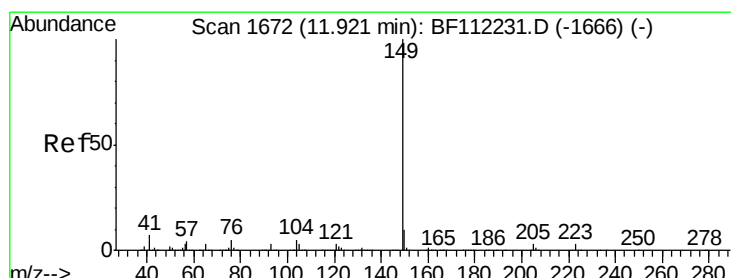
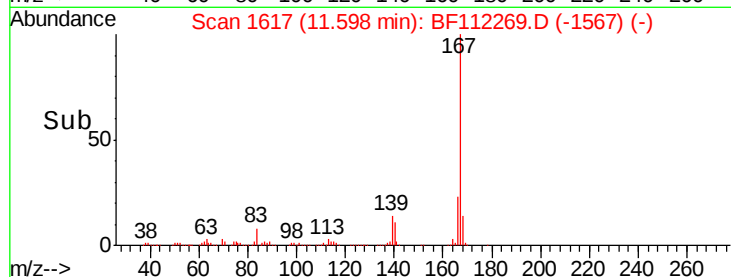
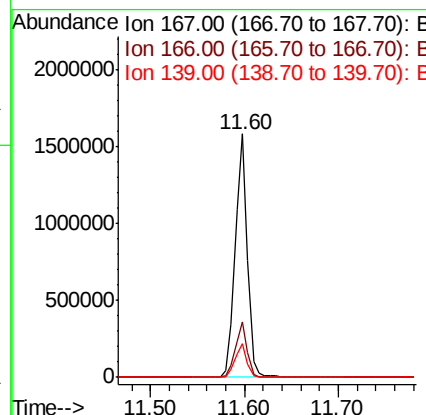
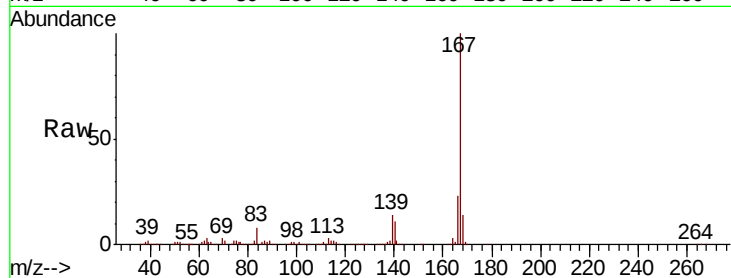


#73  
 Carbazole  
 Concen: 36.422 ng  
 RT: 11.60 min Scan# 1617  
 Delta R.T. -0.01 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116645BS

Tot Ion:167 Resp: 1419662  

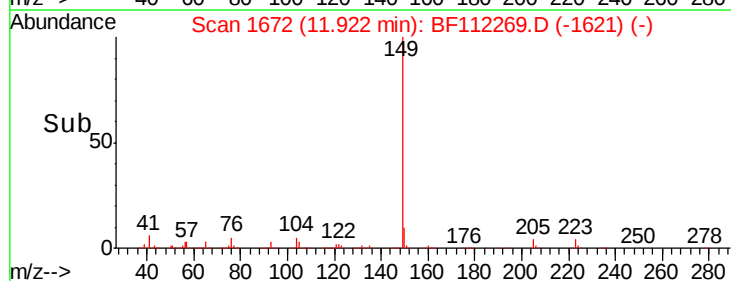
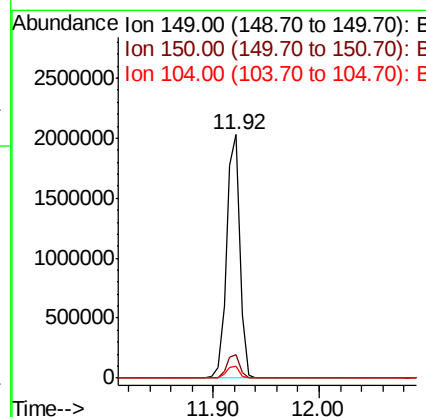
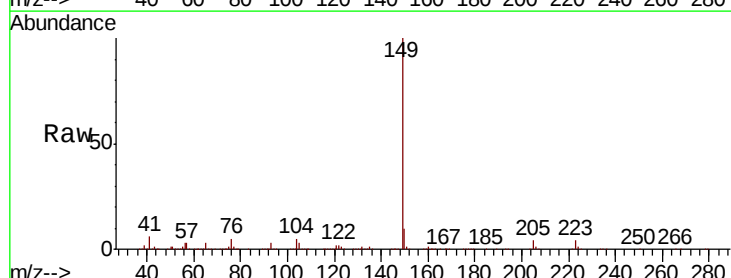
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 23.0  | 17.9  | 26.9  |
| 139 | 13.6  | 10.2  | 15.2  |

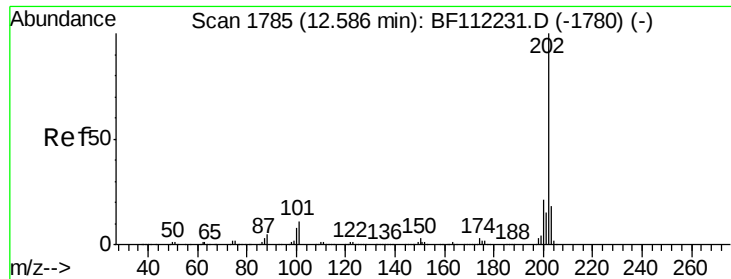


#74  
 Di-n-butylphthalate  
 Concen: 37.055 ng  
 RT: 11.92 min Scan# 1672  
 Delta R.T. 0.00 min  
 Lab File: BF112269.D  
 Acq: 28 Jan 2019 12:45

Tgt Ion:149 Resp: 1792723  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.6   | 8.1   | 12.1  |
| 104 | 4.9   | 3.9   | 5.9   |





#75

Fluoranthene

Concen: 38.882 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

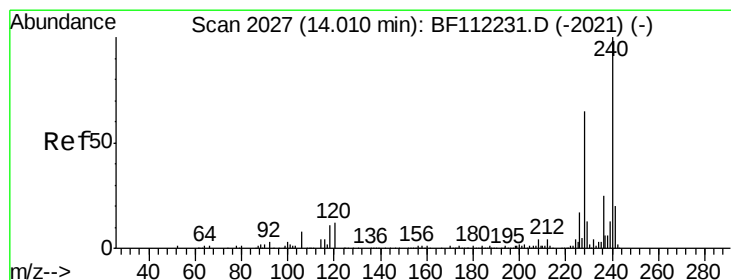
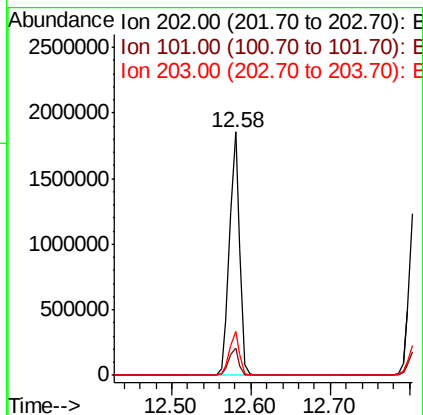
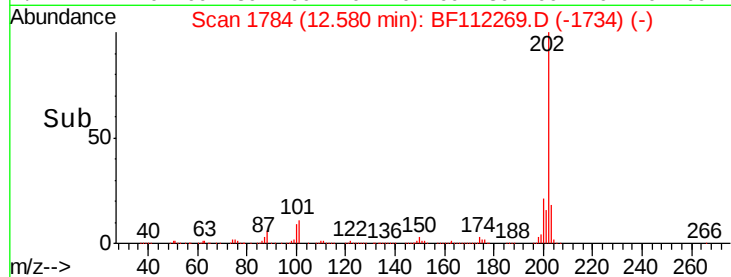
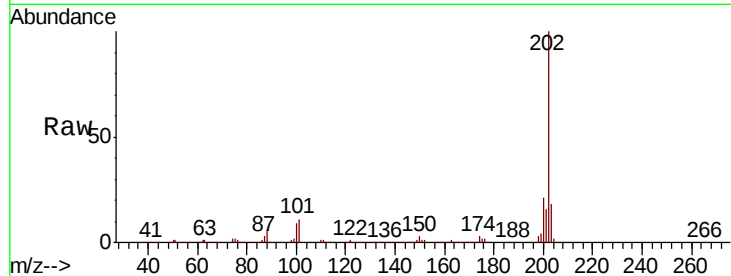
Tot Ion:202 Resp: 1654290

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.8

203 18.1 0.0 38.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

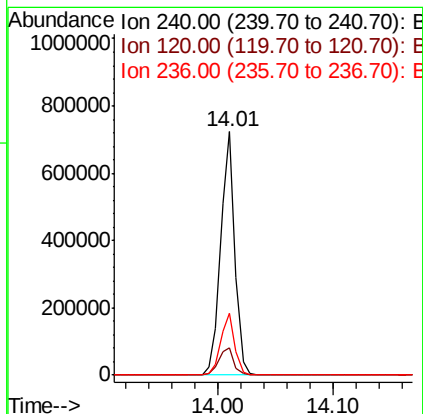
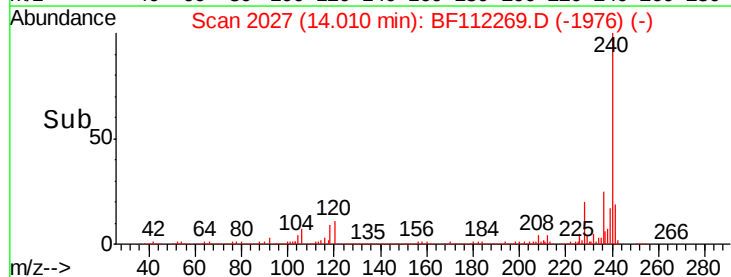
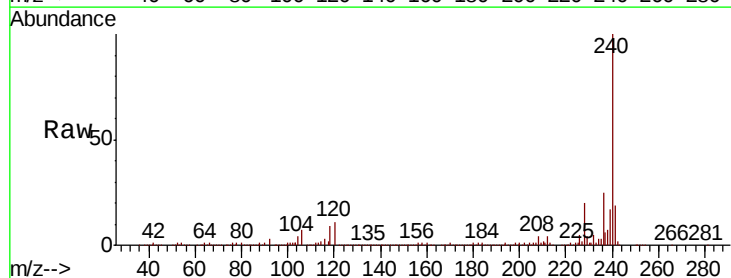
Tgt Ion:240 Resp: 616776

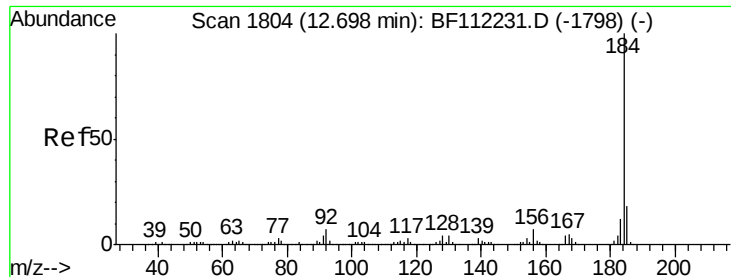
Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.6

236 25.4 20.7 31.1





#77

Benzidine

Concen: 36.649 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

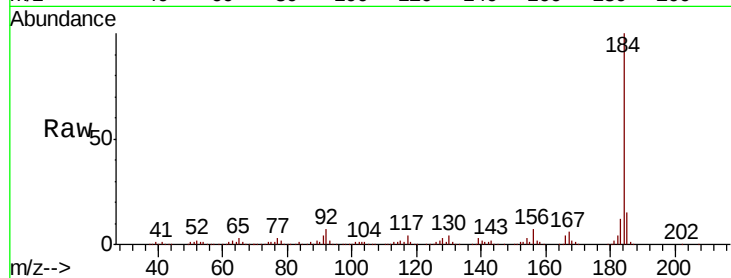
BNA\_F

ClientSampleId :

PB116645BS

Tot Ion:184 Resp: 622151

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 15.4  | 13.9  | 20.9  |
| 183 | 12.0  | 10.0  | 15.0  |

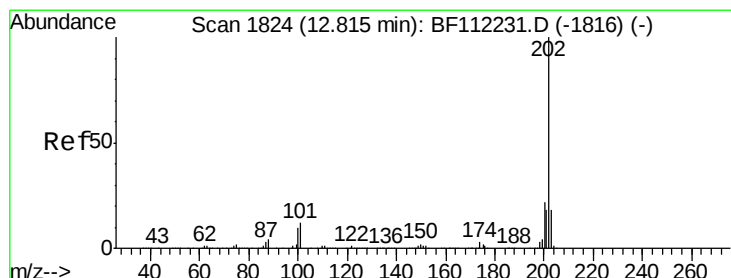
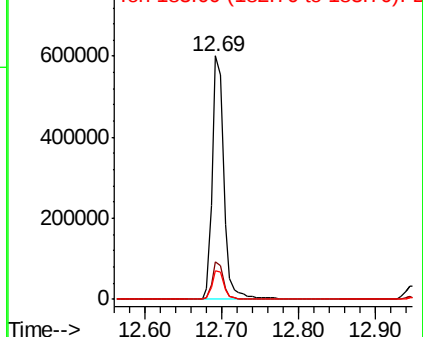
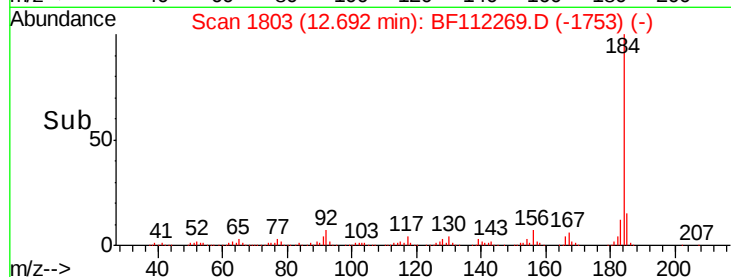


Abundance

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



#78

Pyrene

Concen: 39.181 ng

RT: 12.81 min Scan# 1823

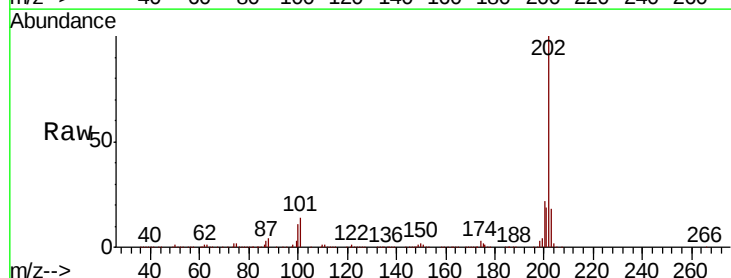
Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Tgt Ion:202 Resp: 1673110

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.8  | 17.7  | 26.5  |
| 203 | 17.8  | 14.6  | 22.0  |

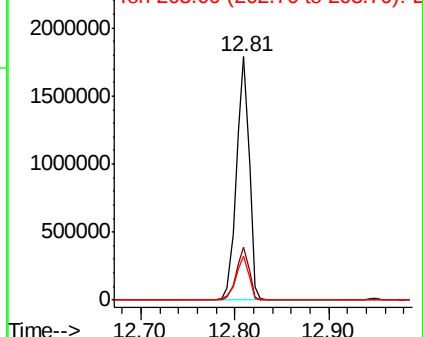
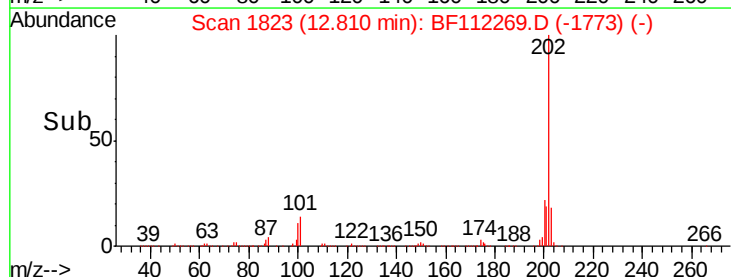


Abundance

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





#79

Terphenyl-d14

Concen: 72.579 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

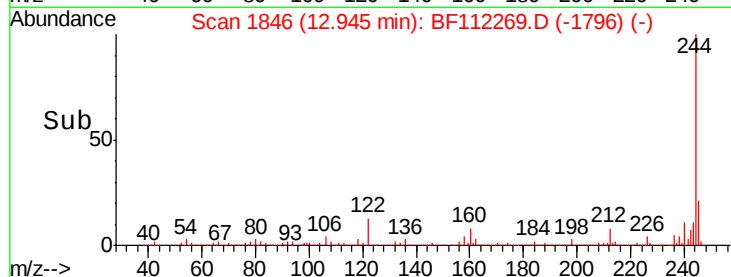
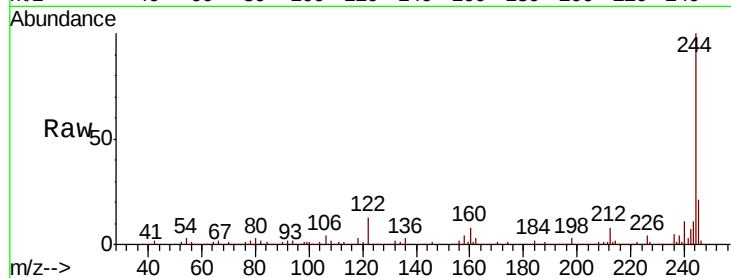
Tot Ion:244 Resp: 2376771

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

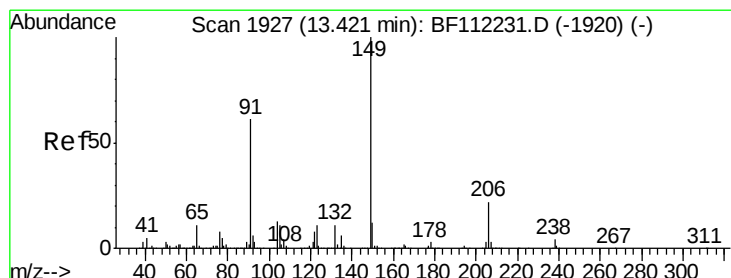
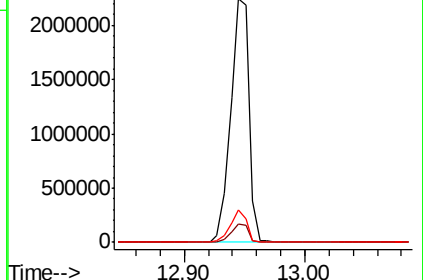
122 13.2 9.8 14.6



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



#80

Butylbenzylphthalate

Concen: 37.838 ng

RT: 13.42 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

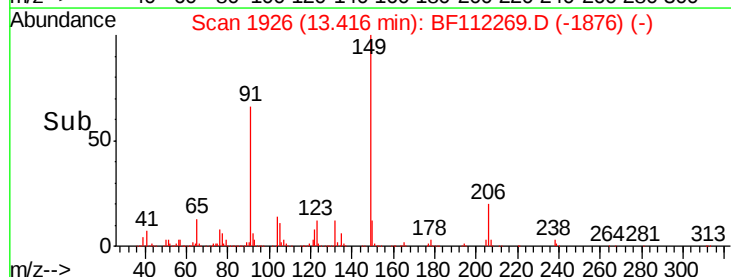
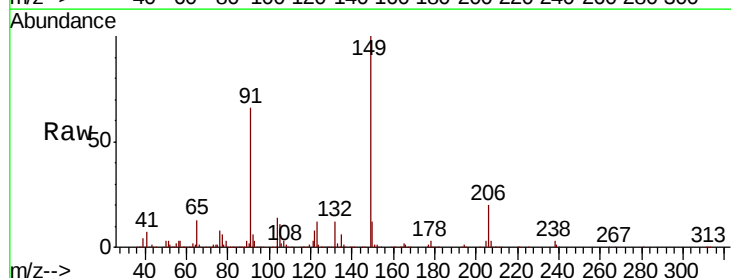
Tgt Ion:149 Resp: 781740

Ion Ratio Lower Upper

149 100

91 66.3 50.3 75.5

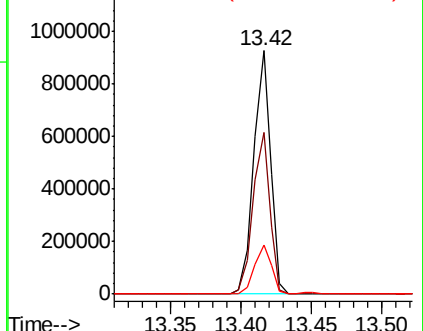
206 20.3 18.2 27.4

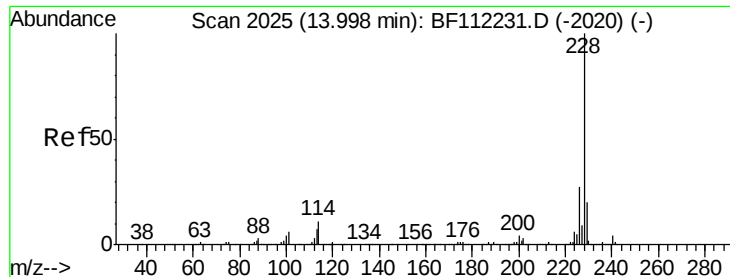


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.948 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

BNA\_F

ClientSampleId :

PB116645BS

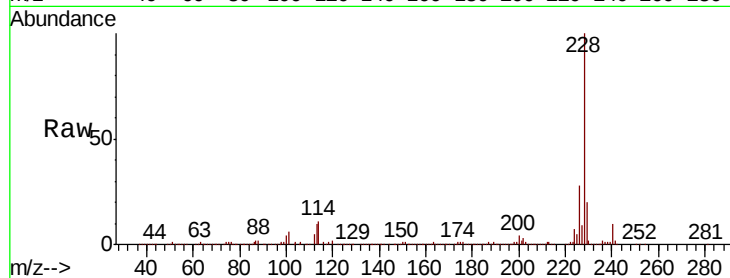
Tot Ion:228 Resp: 1448390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.2  | 22.6  | 34.0  |
| 229 | 20.4  | 16.5  | 24.7  |

228 100

226 28.2 22.6 34.0

229 20.4 16.5 24.7

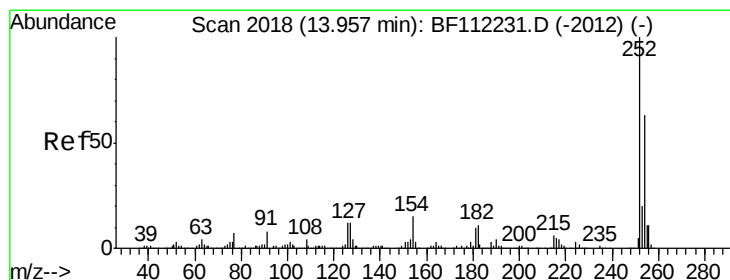
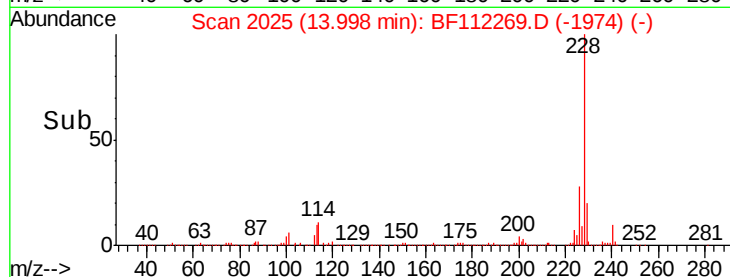
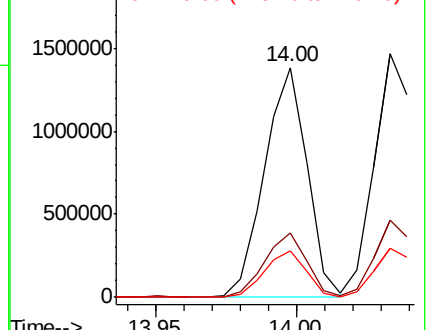


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 27.431 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

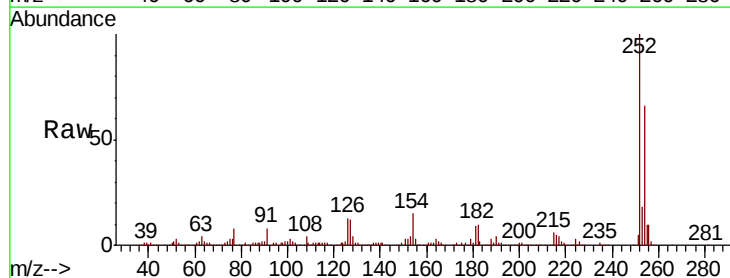
Tgt Ion:252 Resp: 372212

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 66.2  | 51.6  | 77.4  |
| 126 | 12.6  | 8.6   | 12.8  |

252 100

254 66.2 51.6 77.4

126 12.6 8.6 12.8

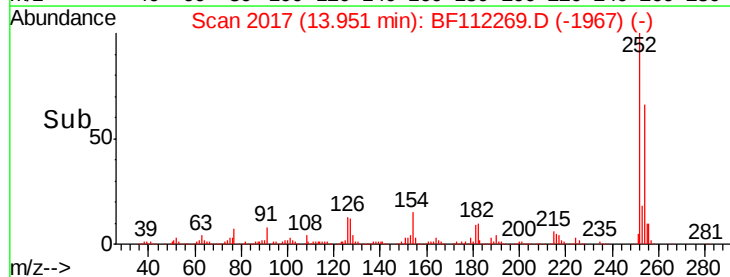
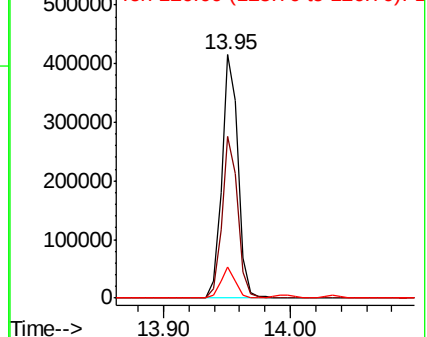


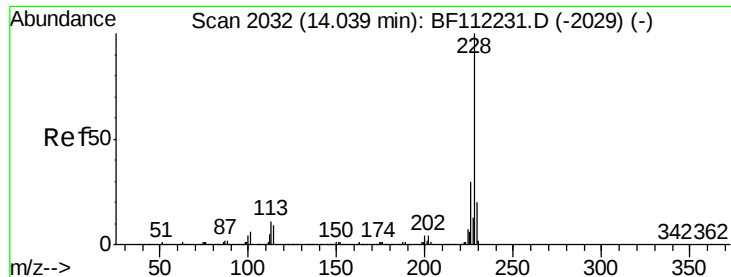
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

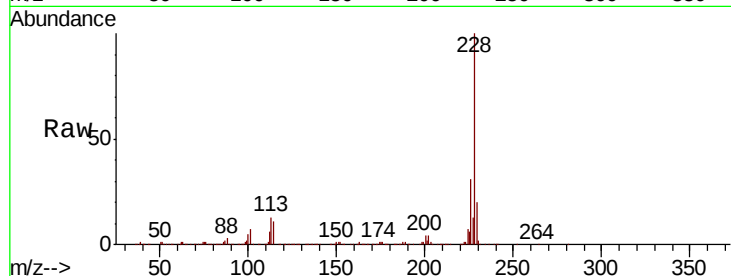




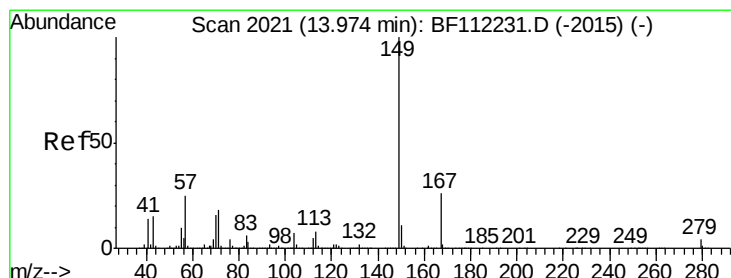
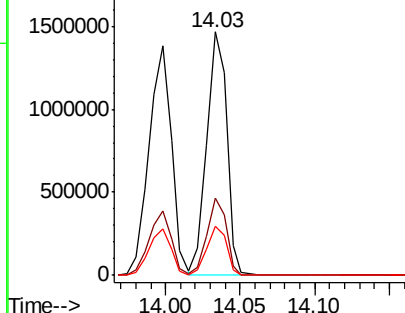
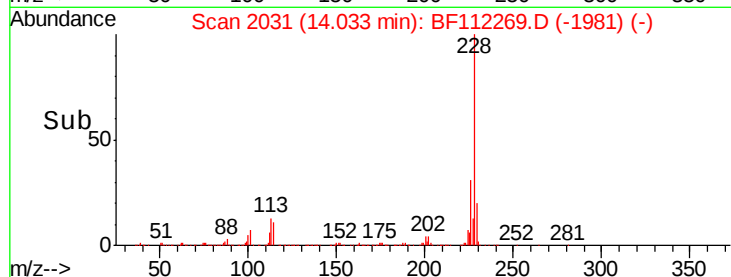
#83  
Chrvsene  
Concen: 39.294 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:228 Resp: 1359942  
Ion Ratio Lower Upper  
228 100  
226 31.5 25.0 37.6  
229 20.3 16.6 24.8

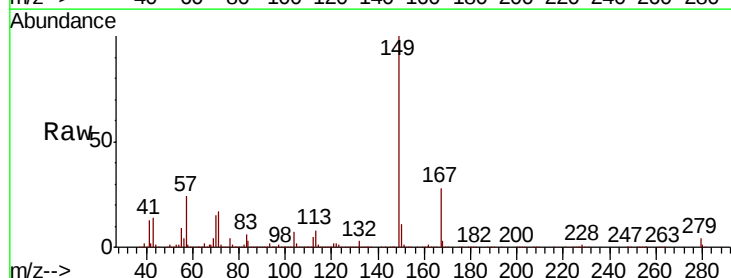


Abundance Ion 228.00 (227.70 to 228.70): E  
2000000  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

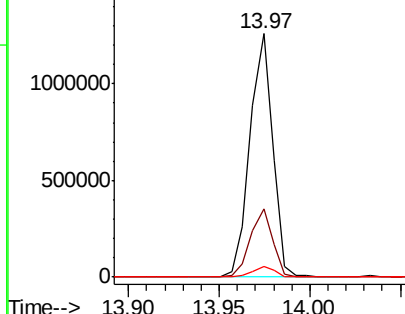
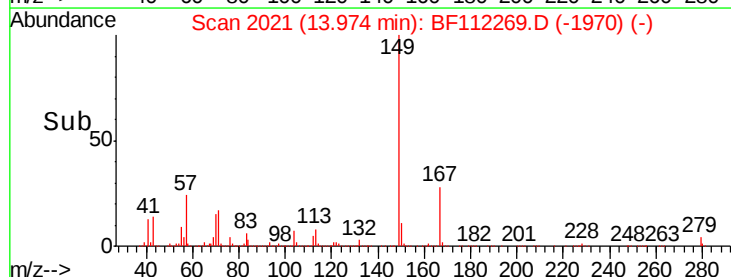


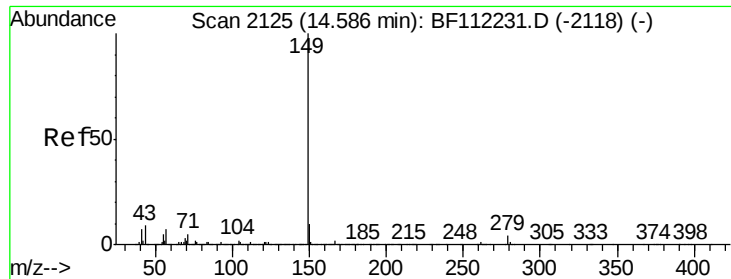
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 37.574 ng  
RT: 13.97 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:149 Resp: 1101925  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.5 33.7  
279 4.5 3.8 5.6



Abundance Ion 149.00 (148.70 to 149.70): E  
1500000  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E

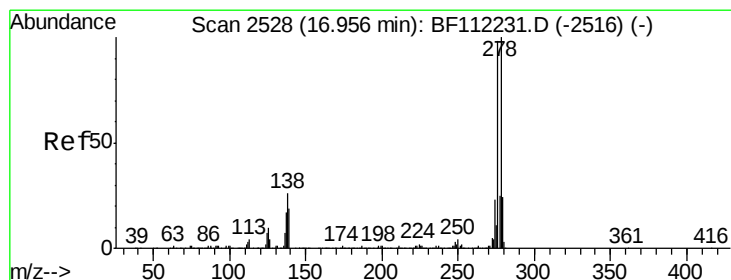
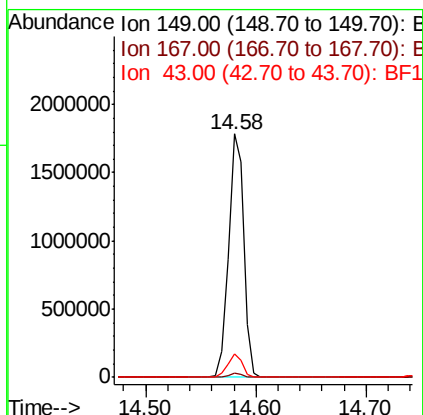
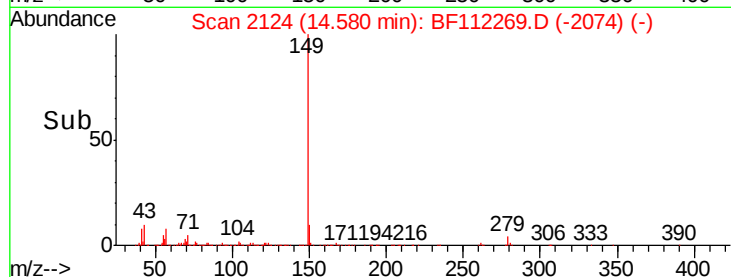
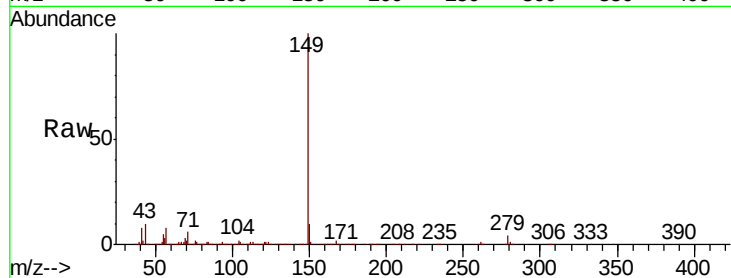




#85  
Di-n-octyl phthalate  
Concen: 37.985 ng  
RT: 14.58 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

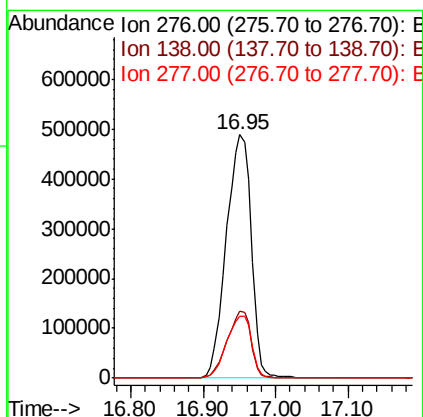
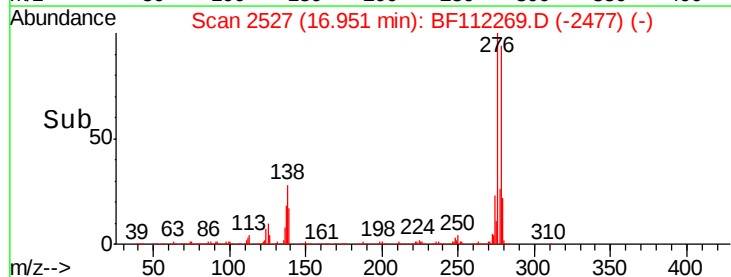
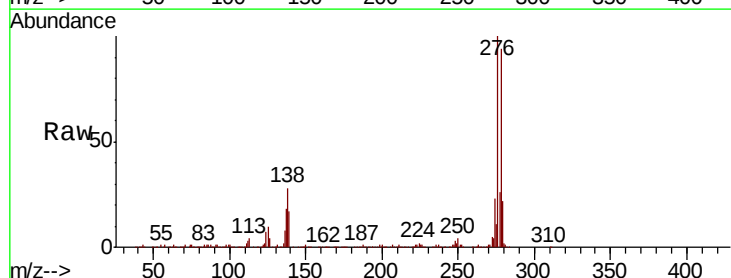
Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

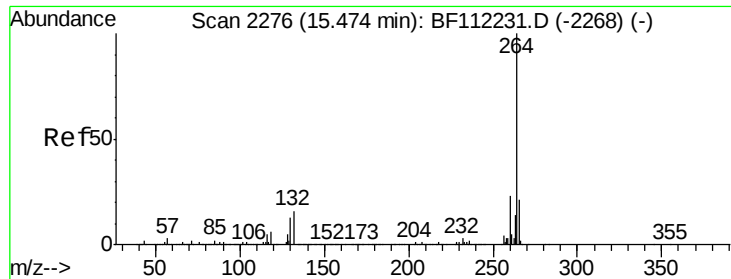
Tot Ion:149 Resp: 1713893  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.0 7.8 11.6



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 42.826 ng  
RT: 16.95 min Scan# 2527  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:276 Resp: 1174466  
Ion Ratio Lower Upper  
276 100  
138 26.3 22.6 34.0  
277 25.5 20.3 30.5

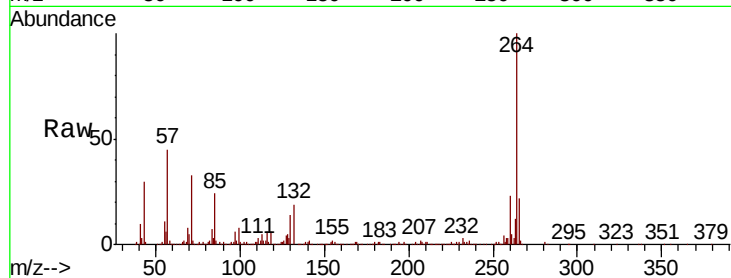




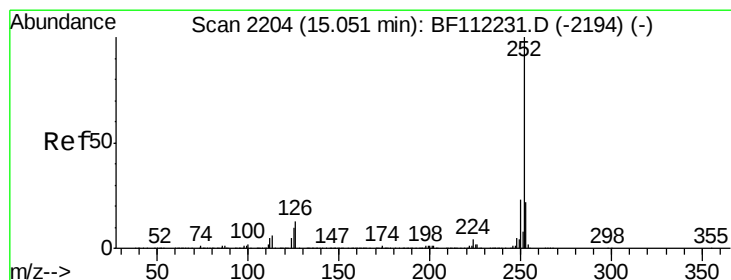
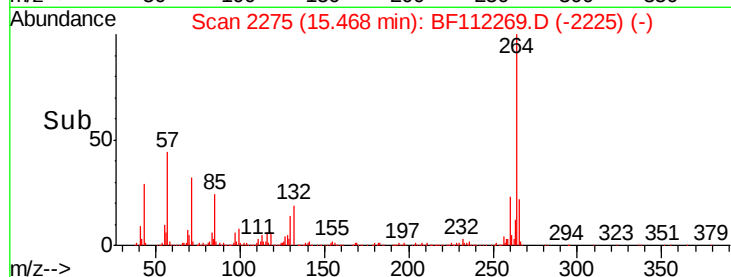
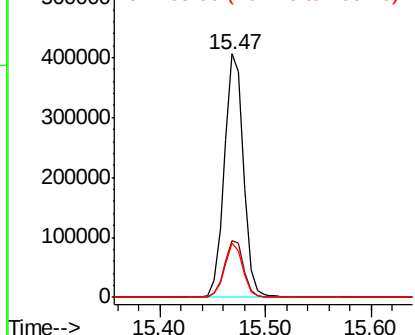
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:264 Resp: 512017  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.2 27.2  
265 22.3 17.0 25.4

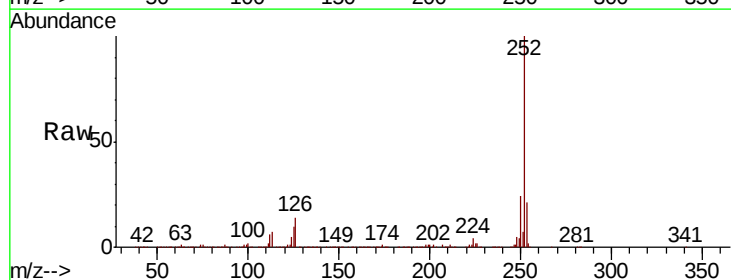


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

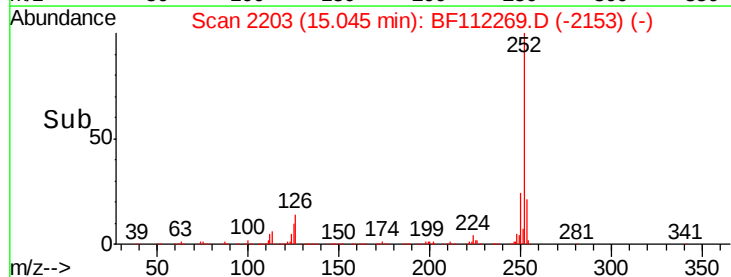
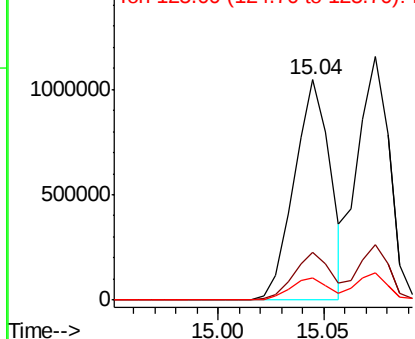


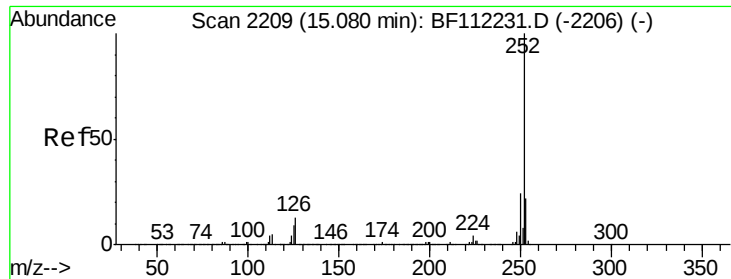
#88  
Benzo(b)fluoranthene  
Concen: 40.661 ng  
RT: 15.04 min Scan# 2203  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:252 Resp: 1245085  
Ion Ratio Lower Upper  
252 100  
253 21.4 18.0 27.0  
125 10.1 8.7 13.1



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

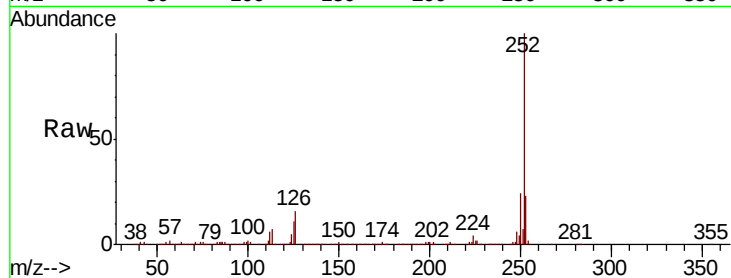




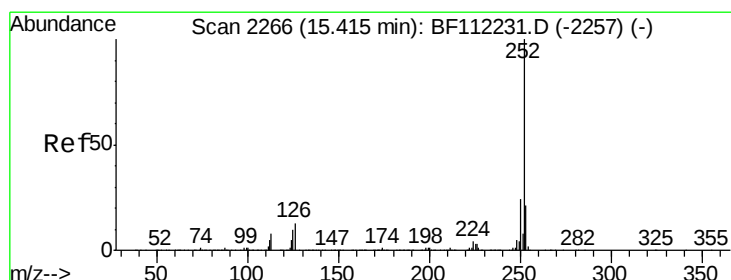
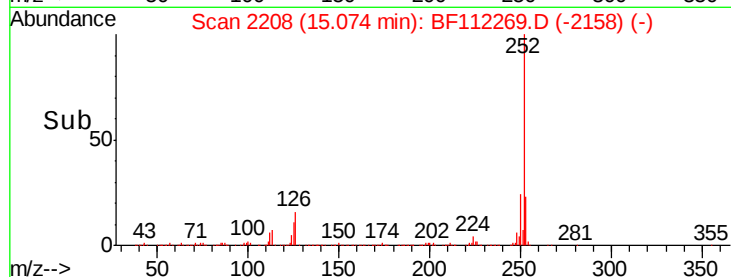
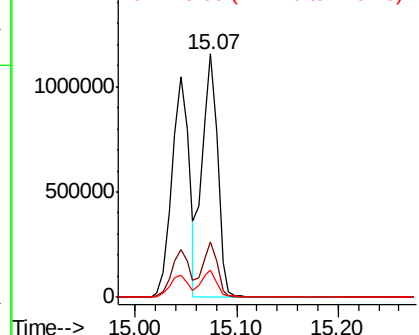
#89  
Benzo(k)fluoranthene  
Concen: 41.770 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Instrument :  
BNA\_F  
ClientSampleId :  
PB116645BS

Tot Ion:252 Resp: 1225136  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.0 27.0  
125 11.0 9.1 13.7

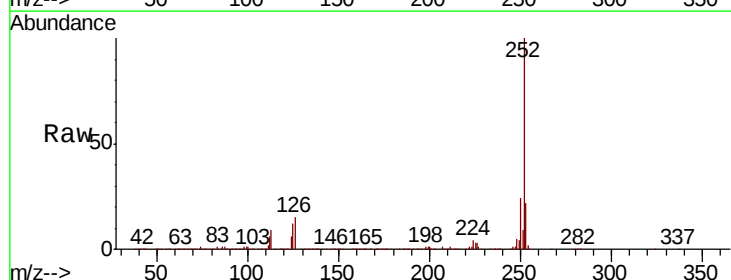


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

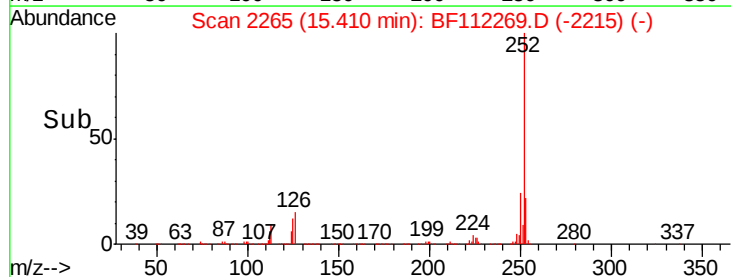
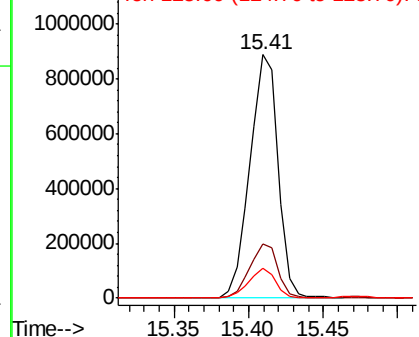


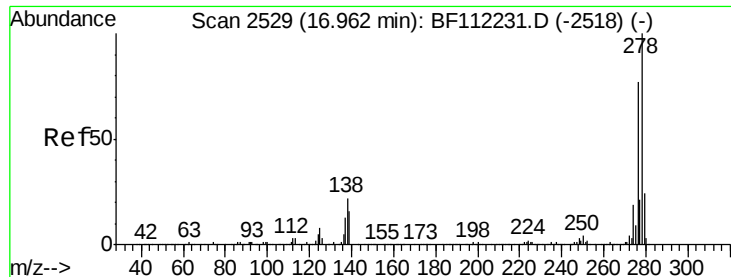
#90  
Benzo(a)pyrene  
Concen: 41.998 ng  
RT: 15.41 min Scan# 2265  
Delta R.T. -0.01 min  
Lab File: BF112269.D  
Acq: 28 Jan 2019 12:45

Tgt Ion:252 Resp: 1157154  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 12.2 9.0 13.4



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





#91

Dibenzo(a,h)anthracene

Concen: 43.876 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Instrument :

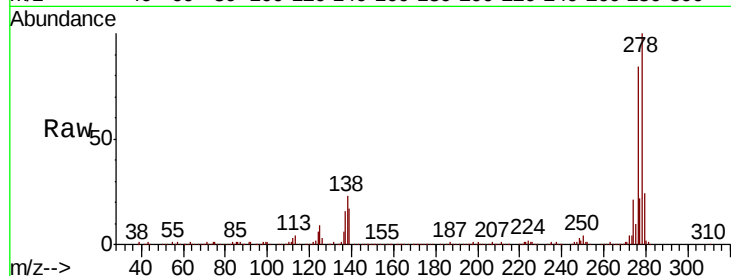
BNA\_F

ClientSampleId :

PB116645BS

Tot Ion:278 Resp: 974297

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 17.5  | 13.7  | 20.5  |
| 279 | 24.3  | 19.0  | 28.6  |

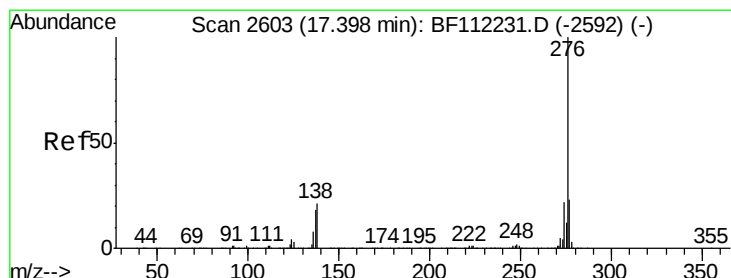
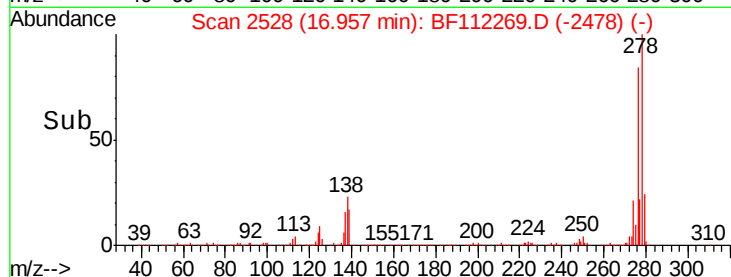
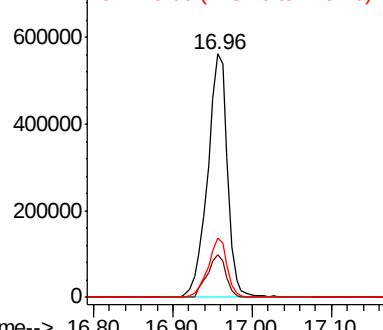


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 46.361 ng

RT: 17.40 min Scan# 2603

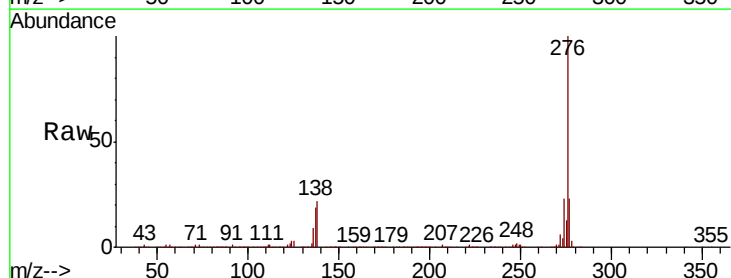
Delta R.T. 0.00 min

Lab File: BF112269.D

Acq: 28 Jan 2019 12:45

Tgt Ion:276 Resp: 971267

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.3  | 19.4  | 29.0  |
| 138 | 22.1  | 19.1  | 28.7  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

