

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040119\  
 Data File : BF113495.D  
 Acq On : 2 Apr 2019 7:04  
 Operator : JU/SJ  
 Sample : PB118478BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 02 08:14:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 143908   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.99  | 136  | 557338   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.74  | 164  | 267570   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.22 | 188  | 494912   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.85 | 240  | 447823   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.26 | 264  | 354816   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.33  | 112 | 363201 | 41.27 | ng | 0.01 |
| 7) Phenol-d6             | 6.35  | 99  | 466363 | 41.89 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.27  | 82  | 404842 | 43.11 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 129008 | 39.03 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.06  | 172 | 819915 | 38.35 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.79 | 244 | 776248 | 38.21 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.39 | 88  | 74715  | 16.732 | ng | 97     |
| 3) Pyridine                    | 3.12 | 79  | 184063 | 16.720 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.03 | 42  | 78043  | 15.947 | ng | # 91   |
| 6) Aniline                     | 6.37 | 93  | 253327 | 18.684 | ng | 88     |
| 8) 2-Chlorophenol              | 6.50 | 128 | 201903 | 19.755 | ng | 94     |
| 9) Benzaldehyde                | 6.25 | 77  | 132123 | 17.684 | ng | 96     |
| 10) Phenol                     | 6.37 | 94  | 248422 | 19.544 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 184093 | 18.894 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.65 | 146 | 213831 | 19.410 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 218509 | 20.542 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 205129 | 19.602 | ng | 98     |
| 15) Benzyl Alcohol             | 6.86 | 79  | 149377 | 20.337 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45  | 298435 | 20.389 | ng | 94     |
| 17) 2-Methylphenol             | 6.97 | 107 | 157071 | 19.611 | ng | 97     |
| 18) Hexachloroethane           | 7.22 | 117 | 58017  | 15.185 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70  | 134772 | 19.271 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.13 | 107 | 209953 | 18.395 | ng | 92     |
| 22) Acetophenone               | 7.12 | 105 | 269152 | 21.176 | ng | # 96   |
| 24) Nitrobenzene               | 7.29 | 77  | 198870 | 20.296 | ng | 94     |
| 25) Isophorone                 | 7.53 | 82  | 374705 | 20.591 | ng | 97     |
| 26) 2-Nitrophenol              | 7.61 | 139 | 82016  | 15.835 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.66 | 122 | 180507 | 24.228 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93  | 239981 | 20.941 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.86 | 162 | 170244 | 21.086 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 181472 | 20.833 | ng | 99     |
| 31) Naphthalene                | 8.01 | 128 | 577984 | 21.222 | ng | 99     |
| 32) Benzoic acid               | 7.79 | 122 | 30456  | 5.078  | ng | 99     |
| 33) 4-Chloroaniline            | 8.06 | 127 | 229530 | 21.612 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.13 | 225 | 106635 | 20.597 | ng | 98     |
| 35) Caprolactam                | 8.42 | 113 | 51357  | 19.819 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 169574 | 20.882 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.70 | 142 | 391072 | 23.012 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.80 | 142 | 369536 | 22.607 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 182217 | 21.215 | ng | 98     |

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 Sample : PB118478BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

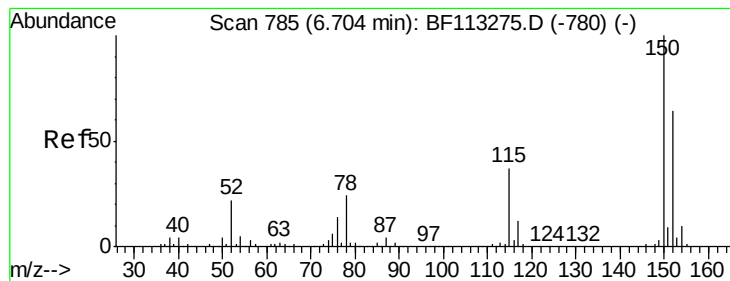
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 02 08:14:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,6-Trichlorophenol      | 8.99  | 196  | 113613   | 20.313 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.03  | 196  | 120357   | 19.444 | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.16  | 154  | 479993   | 21.479 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.19  | 162  | 360641   | 20.960 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.29  | 65   | 112650   | 20.862 | ng    | 99       |
| 49) Acenaphthylene             | 9.60  | 152  | 580244   | 20.856 | ng    | 100      |
| 50) Dimethylphthalate          | 9.46  | 163  | 422836   | 21.324 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.53  | 165  | 82834    | 18.517 | ng    | 95       |
| 52) Acenaphthene               | 9.77  | 154  | 329240   | 21.014 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.70  | 138  | 112868   | 22.374 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.83  | 184  | 6943     | 3.121  | ng    | 94       |
| 55) Dibenzofuran               | 9.95  | 168  | 508325   | 21.582 | ng    | 98       |
| 56) 4-Nitrophenol              | 9.88  | 139  | 99171    | 27.574 | ng    | 92       |
| 57) 2,4-Dinitrotoluene         | 9.93  | 165  | 99158    | 17.430 | ng    | 93       |
| 58) Fluorene                   | 10.29 | 166  | 387732   | 21.191 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.07 | 232  | 98694    | 18.855 | ng    | 100      |
| 60) Diethylphthalate           | 10.16 | 149  | 417523   | 21.464 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.27 | 204  | 198331   | 22.240 | ng    | 95       |
| 62) 4-Nitroaniline             | 10.30 | 138  | 111454   | 21.458 | ng    | 97       |
| 63) Azobenzene                 | 10.43 | 77   | 370315   | 20.224 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 6093     | 2.251  | ng    | 84       |
| 66) n-Nitrosodiphenylamine     | 10.39 | 169  | 347745   | 22.898 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.76 | 248  | 118512   | 21.971 | ng    | 97       |
| 68) Hexachlorobenzene          | 10.84 | 284  | 133038   | 21.248 | ng    | 97       |
| 69) Atrazine                   | 10.92 | 200  | 104967   | 21.898 | ng    | 97       |
| 70) Pentachlorophenol          | 11.04 | 266  | 101656   | 31.163 | ng    | 99       |
| 71) Phenanthrene               | 11.24 | 178  | 525754   | 21.392 | ng    | 97       |
| 72) Anthracene                 | 11.29 | 178  | 558979   | 22.391 | ng    | 99       |
| 73) Carbazole                  | 11.45 | 167  | 509294   | 21.380 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.78 | 149  | 644999   | 23.349 | ng    | 98       |
| 75) Fluoranthene               | 12.43 | 202  | 585313   | 21.066 | ng    | 98       |
| 77) Benzidine                  | 12.55 | 184  | 569961   | 33.235 | ng    | 96       |
| 78) Pyrene                     | 12.65 | 202  | 599919   | 19.332 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.27 | 149  | 260287   | 19.032 | ng    | 97       |
| 81) Benzo(a)anthracene         | 13.84 | 228  | 507295   | 19.790 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.80 | 252  | 226187   | 21.995 | ng    | 100      |
| 83) Chrysene                   | 13.87 | 228  | 528715   | 20.306 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 357094   | 21.299 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.43 | 149  | 641227   | 22.532 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.62 | 276  | 420358   | 18.812 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 14.86 | 252  | 451783   | 20.497 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.88 | 252  | 452899   | 23.398 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.20 | 252  | 418132   | 21.398 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.63 | 278  | 361738   | 21.410 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.03 | 276  | 351555   | 20.636 | ng    | 98       |

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



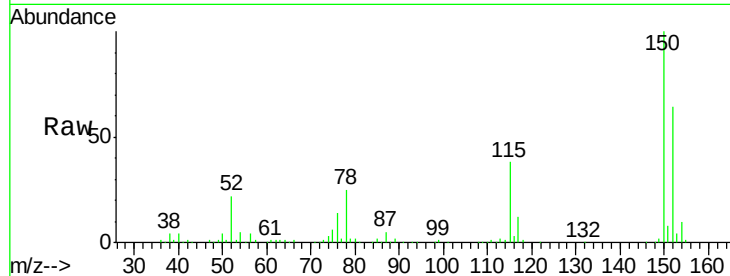


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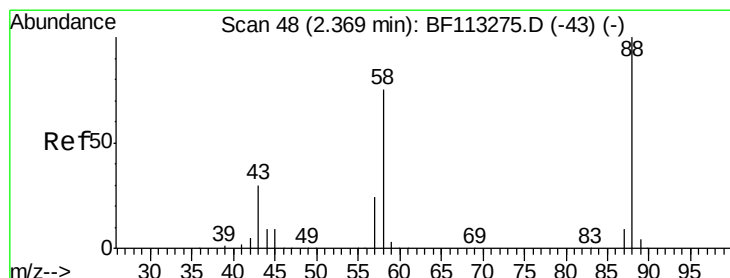
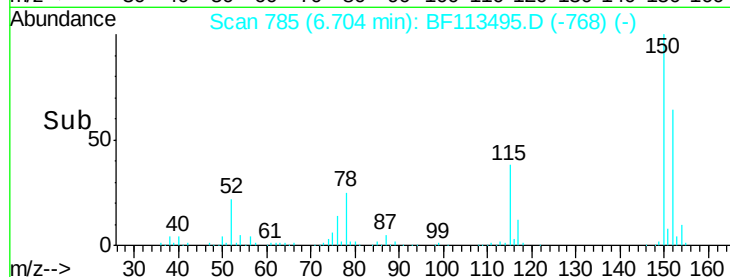
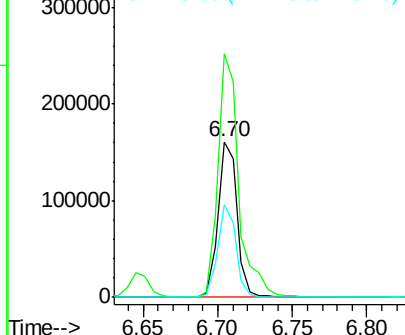
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 143908  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.7 187.1  
115 59.2 46.0 69.0



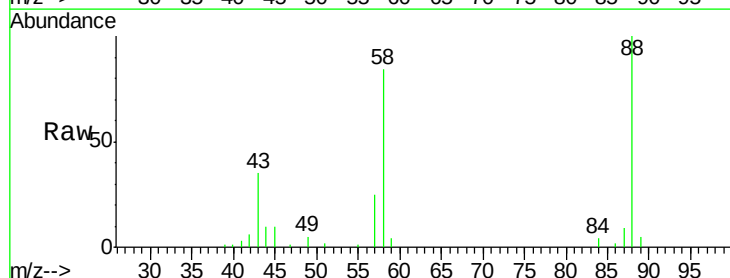
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



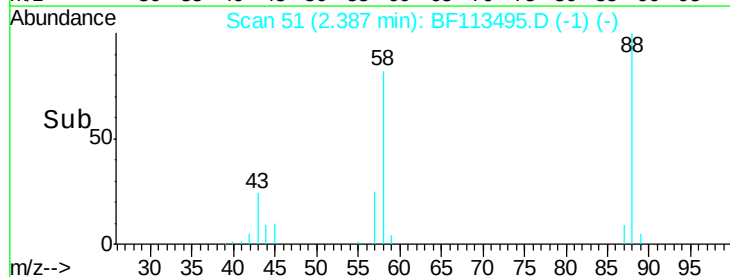
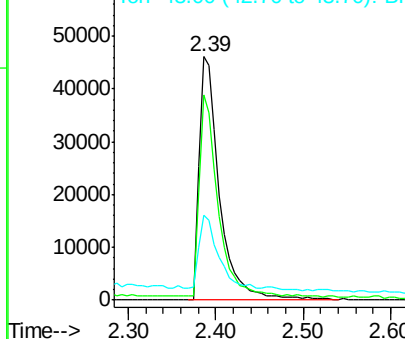
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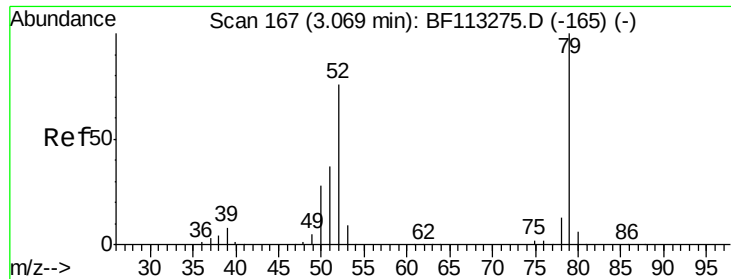
1,4-Dioxane  
Concen: 16.732 ng  
RT: 2.39 min Scan# 51  
Delta R.T. 0.02 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion: 88 Resp: 74715  
Ion Ratio Lower Upper  
88 100  
58 75.0 61.9 92.9  
43 28.0 24.2 36.4



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: 16.720 ng

RT: 3.12 min Scan# 176

Delta R.T. 0.05 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

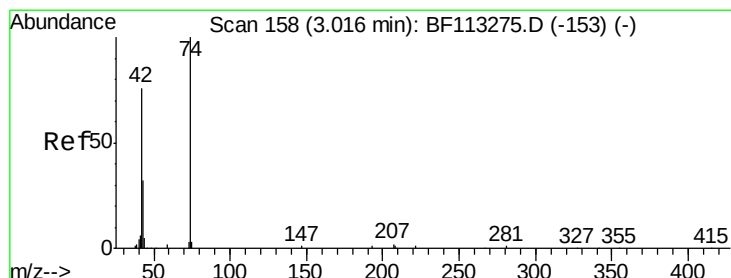
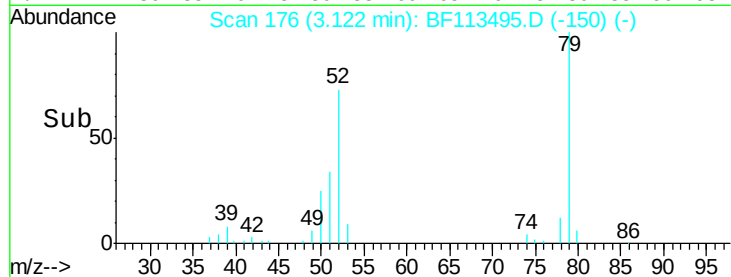
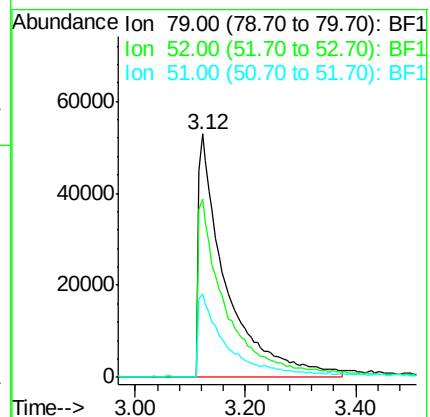
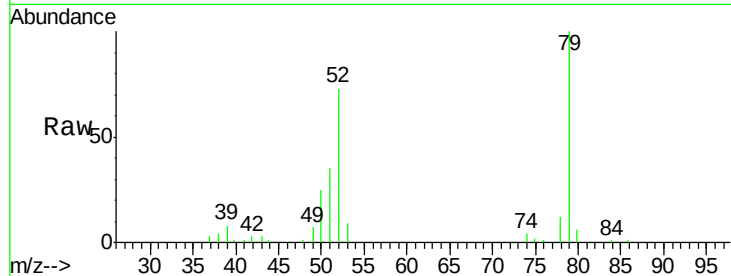
Tot Ion: 79 Resp: 184063

Ion Ratio Lower Upper

79 100

52 73.3 61.0 91.4

51 34.6 30.6 45.8



#4

n-Nitrosodimethylamine

Concen: 15.947 ng

RT: 3.03 min Scan# 161

Delta R.T. 0.02 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

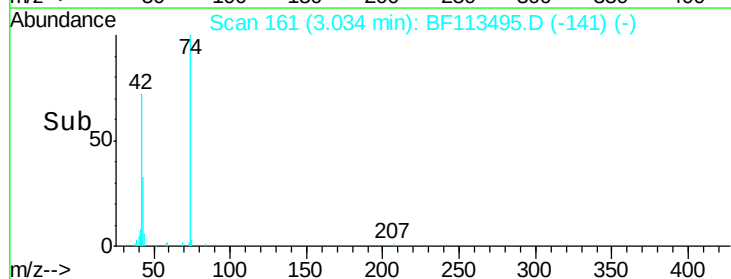
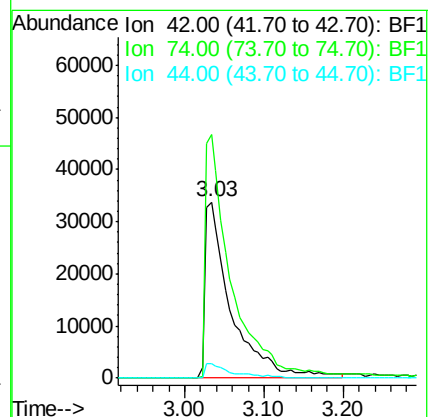
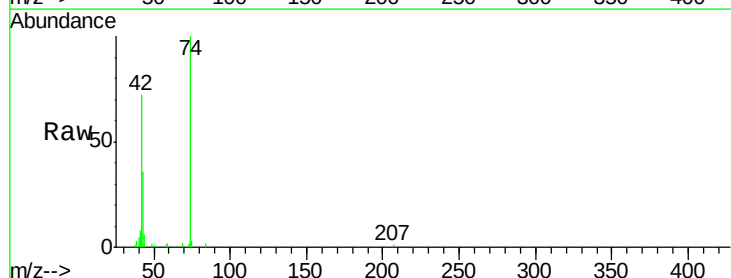
Tgt Ion: 42 Resp: 78043

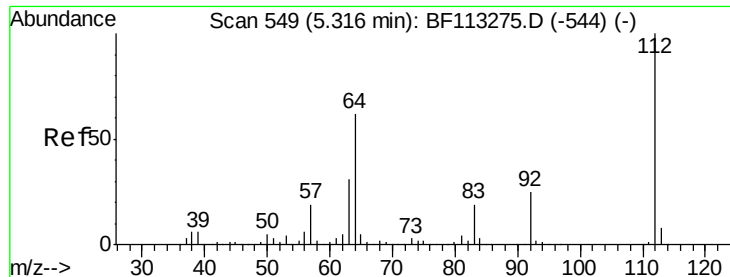
Ion Ratio Lower Upper

42 100

74 138.3 102.4 153.6

44 8.5 5.5 8.3#





#5

2-Fluorophenol

Concen: 41.268 ng

RT: 5.33 min Scan# 551

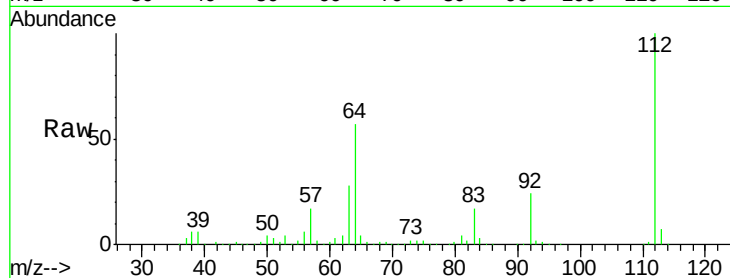
Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

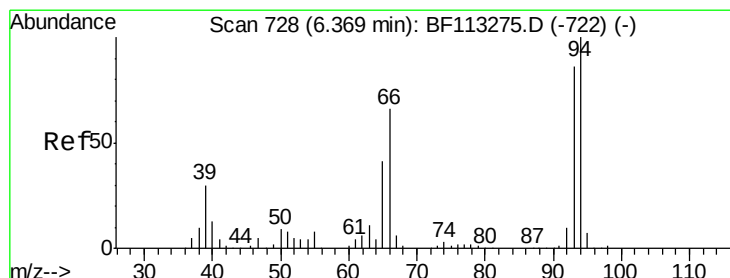
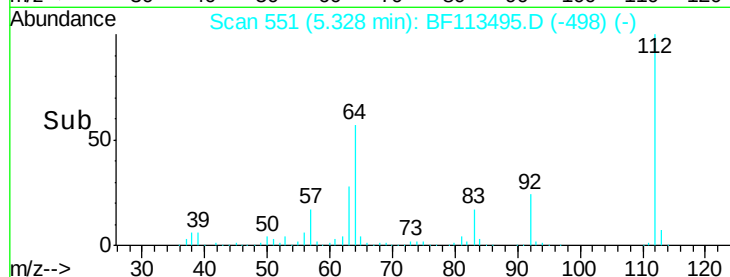
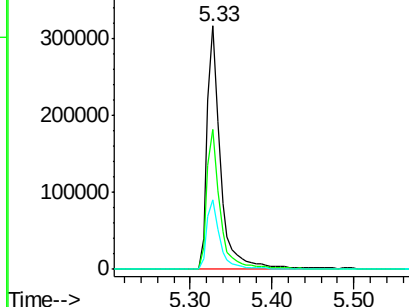
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 363201 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 57.3  | 49.2  | 73.8   |
| 63       | 28.4  | 24.9  | 37.3   |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.684 ng

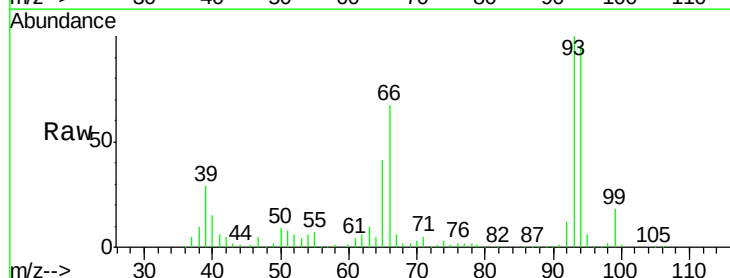
RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

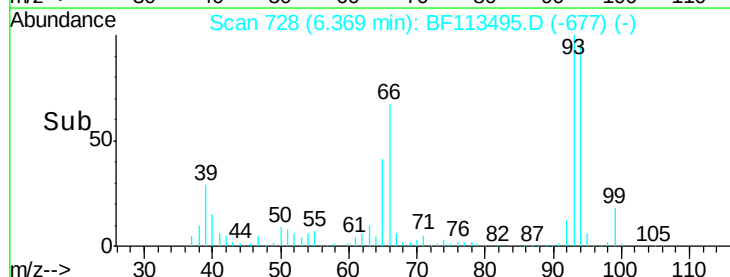
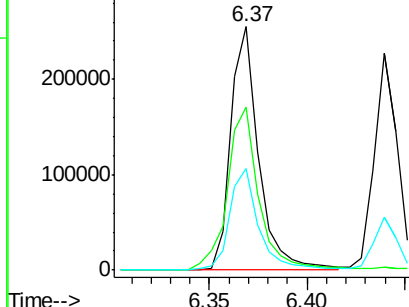
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 253327 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 66.8  | 62.1  | 93.1   |
| 65       | 41.5  | 38.7  | 58.1   |

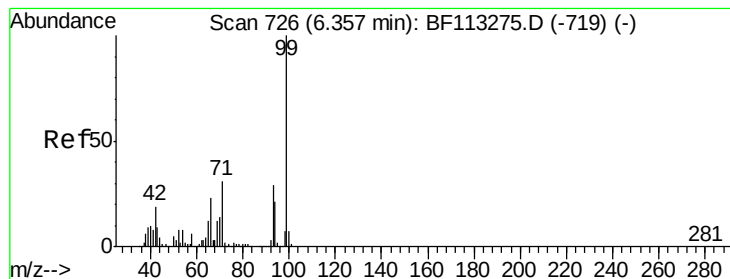


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 41.887 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

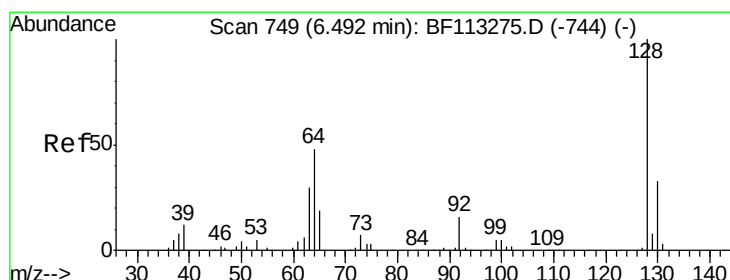
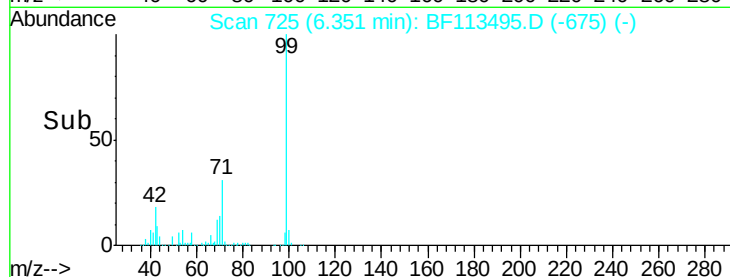
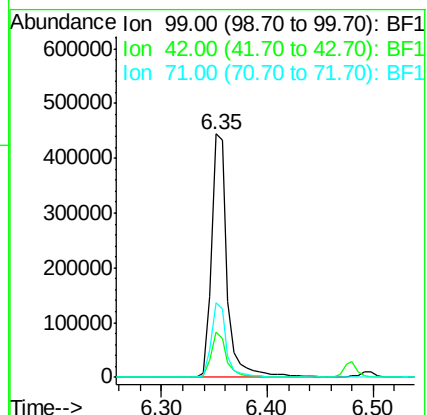
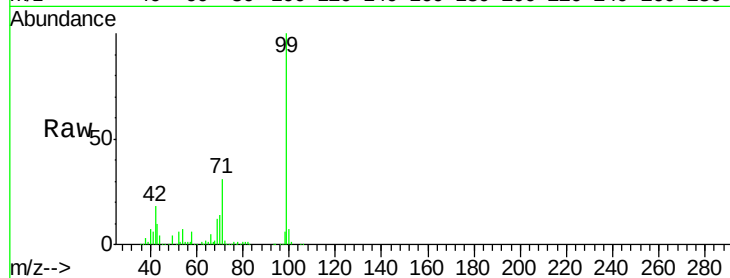
Tot Ion: 99 Resp: 466363

Ion Ratio Lower Upper

99 100

42 18.5 14.8 22.2

71 30.7 24.9 37.3



#8

2-Chlorophenol

Concen: 19.755 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

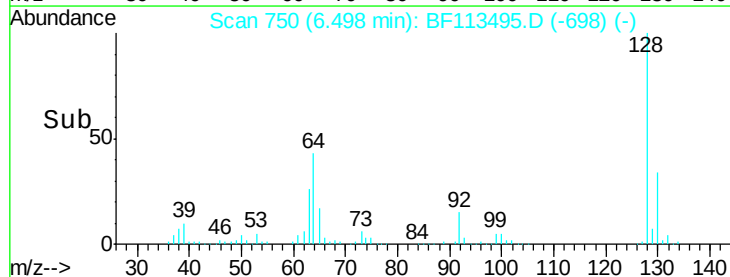
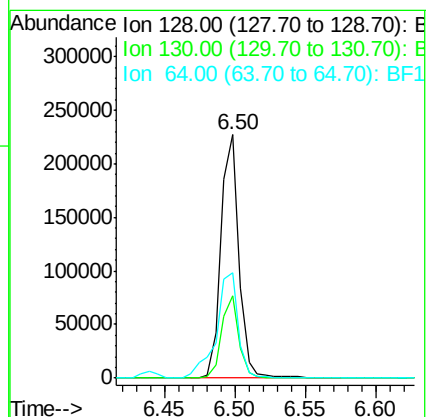
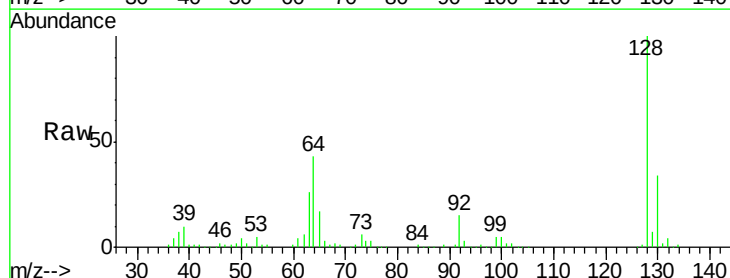
Tgt Ion: 128 Resp: 201903

Ion Ratio Lower Upper

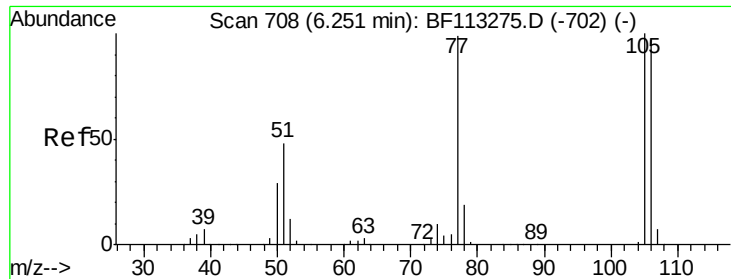
128 100

130 33.6 12.6 52.6

64 43.2 29.4 69.4



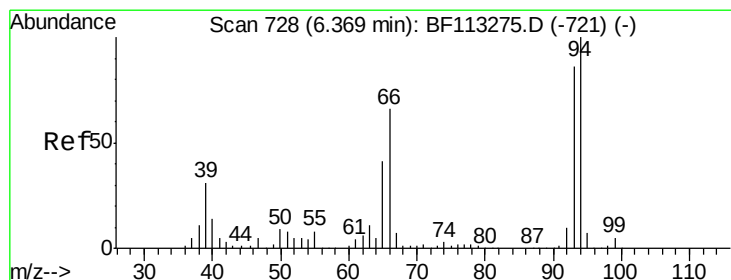
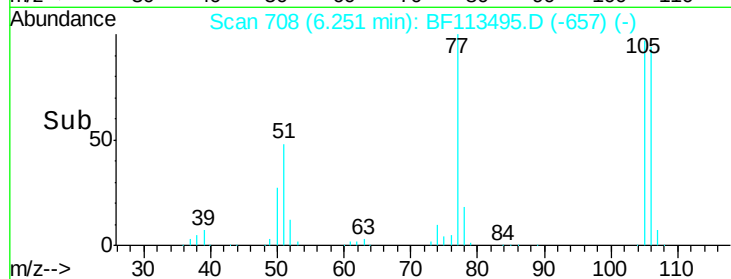
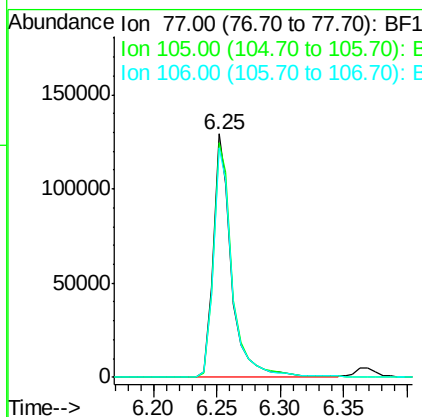
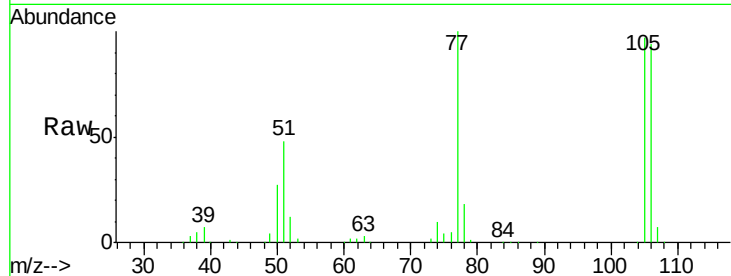




#9  
Benzaldehyde  
Concen: 17.684 ng  
RT: 6.25 min Scan# 708  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

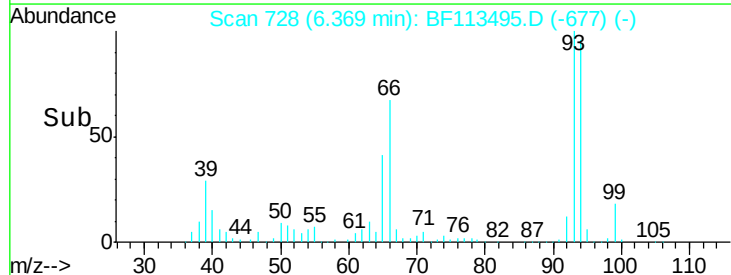
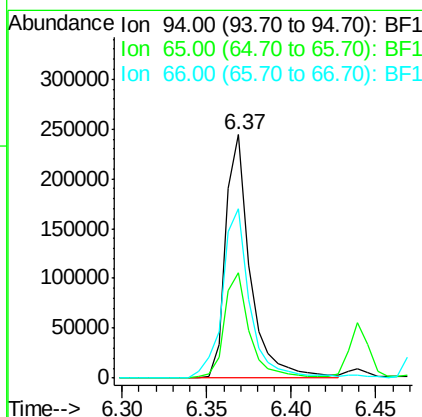
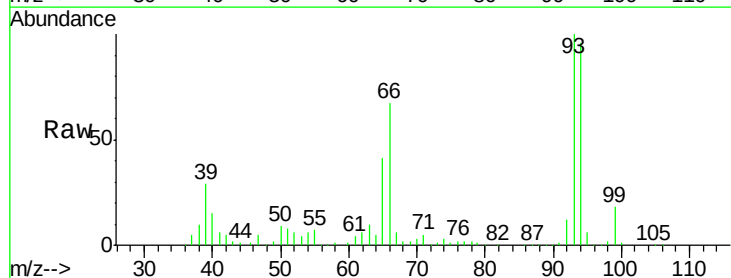
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 96.6  | 80.9  | 120.9 |
| 106     | 94.1  | 77.8  | 117.8 |

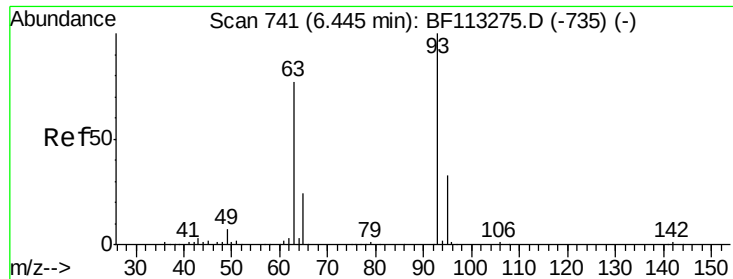


#10  
Phenol  
Concen: 19.544 ng  
RT: 6.37 min Scan# 728  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 43.3  | 21.4  | 61.4  |
| 66      | 69.8  | 46.4  | 86.4  |







#11

bis(2-Chloroethyl)ether

Concen: 18.894 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

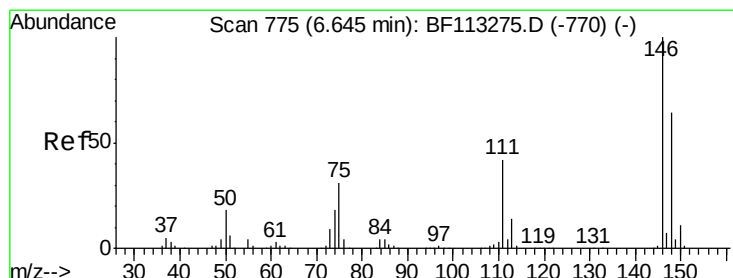
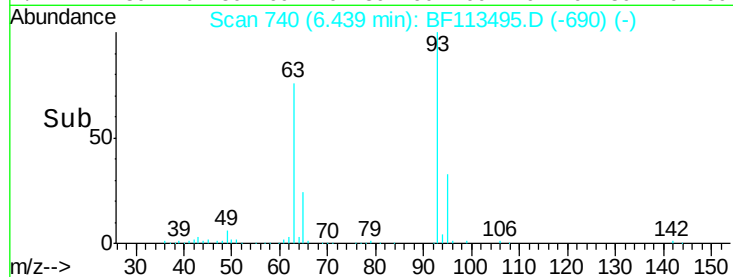
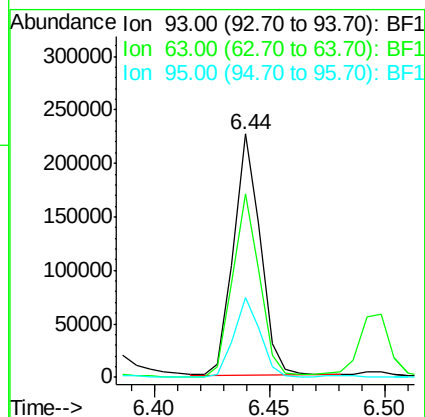
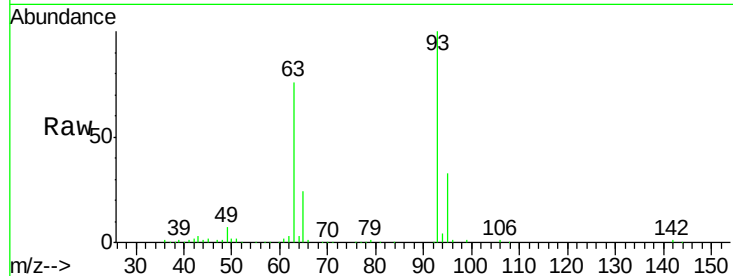
Tot Ion: 93 Resp: 184093

Ion Ratio Lower Upper

93 100

63 75.6 56.1 96.1

95 32.5 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 19.410 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

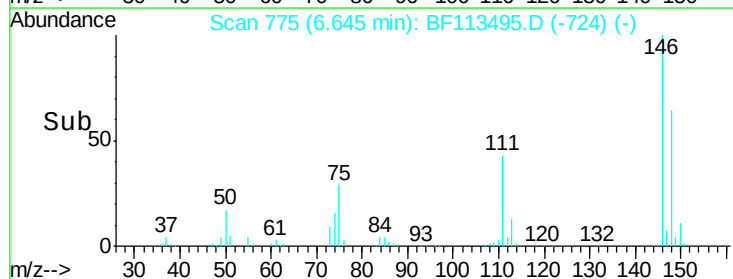
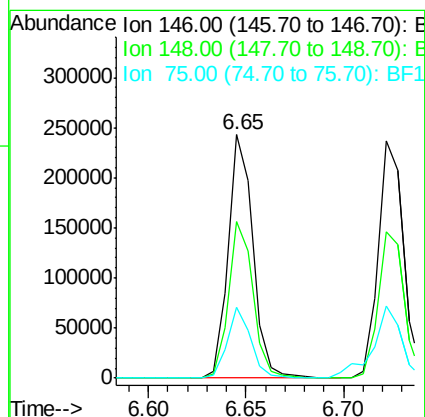
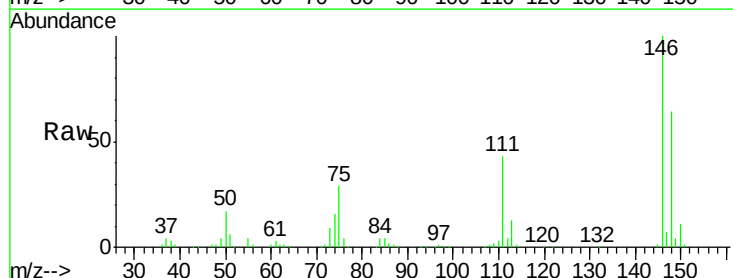
Tgt Ion: 146 Resp: 213831

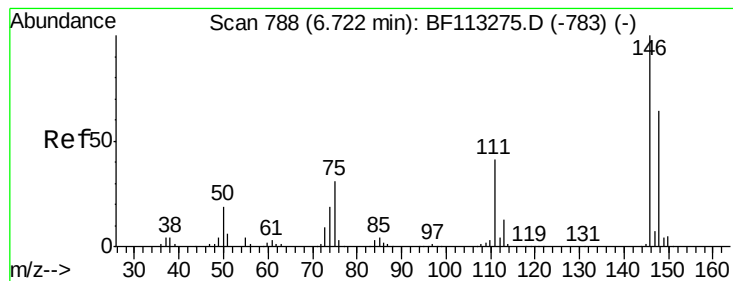
Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.0

75 29.1 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 20.542 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampled :

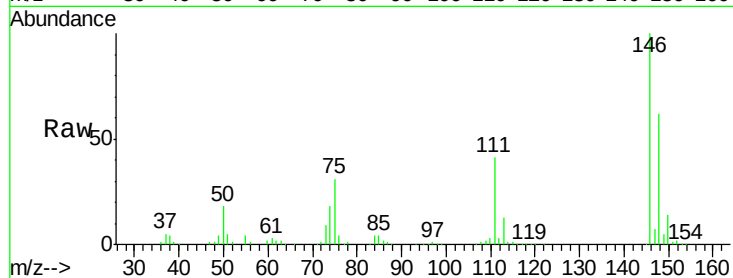
Tot Ion:146 Resp: 218509

Ion Ratio Lower Upper

146 100

148 61.8 51.1 76.7

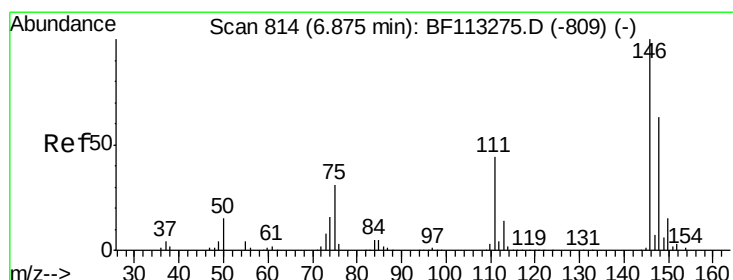
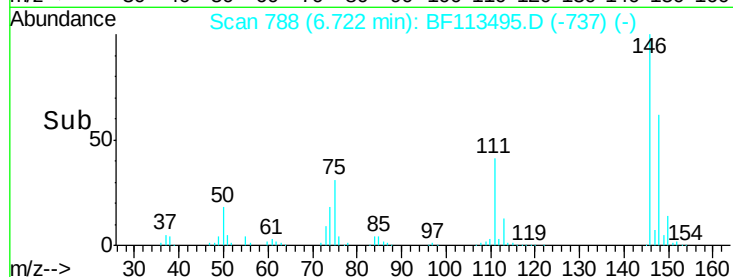
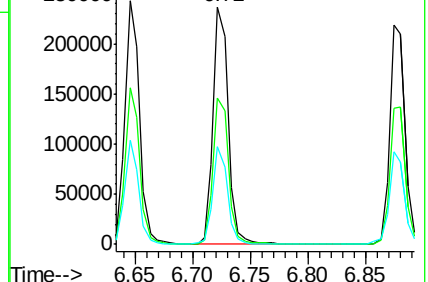
111 41.2 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 19.602 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

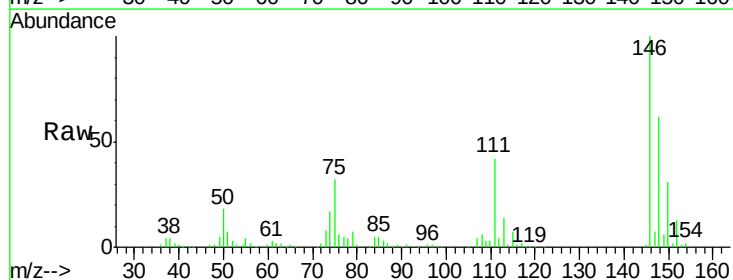
Tgt Ion:146 Resp: 205129

Ion Ratio Lower Upper

146 100

148 62.2 50.2 75.4

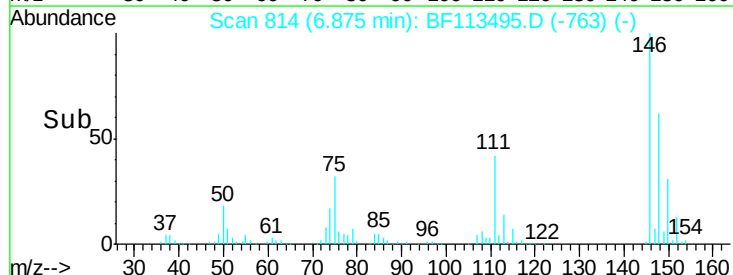
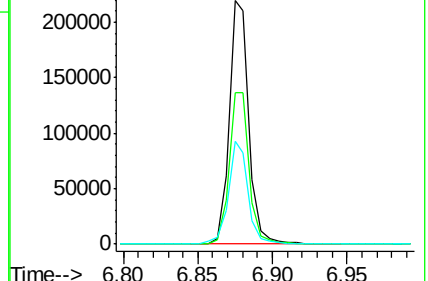
111 42.1 35.4 53.2

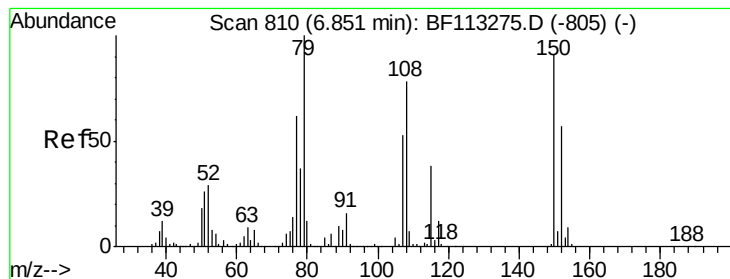


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 20.337 ng

RT: 6.86 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

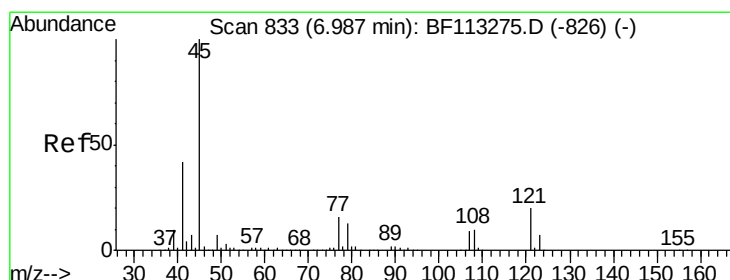
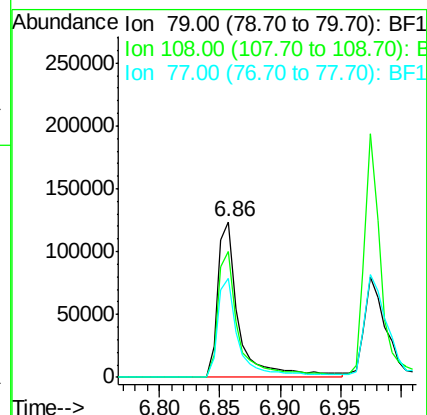
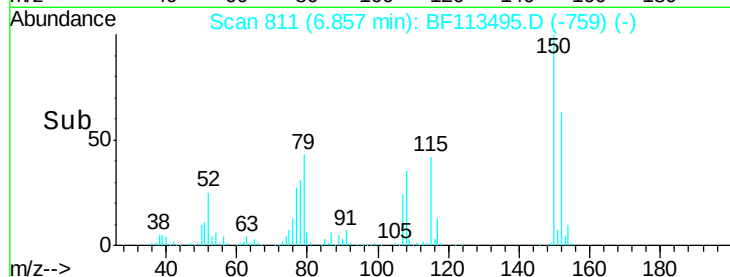
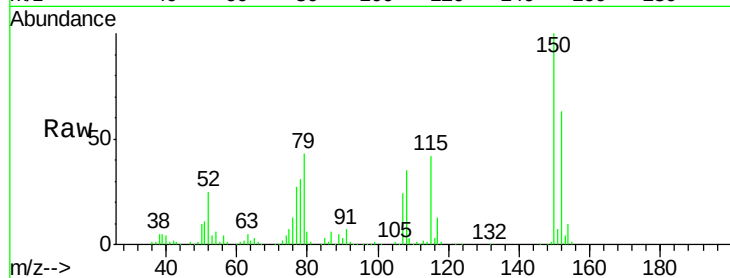
Tot Ion: 79 Resp: 149377

Ion Ratio Lower Upper

79 100

108 81.1 62.0 93.0

77 63.2 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.389 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

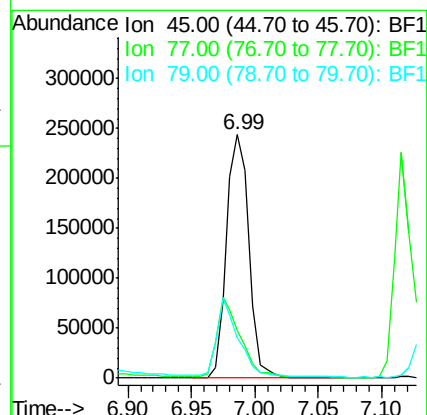
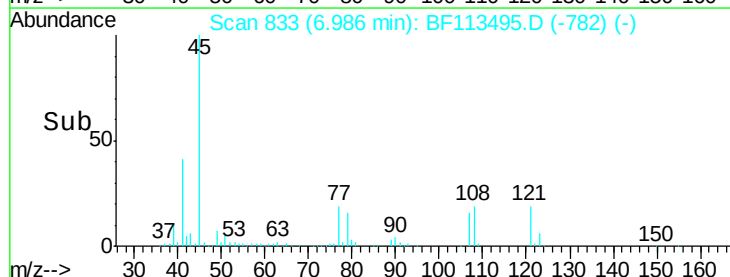
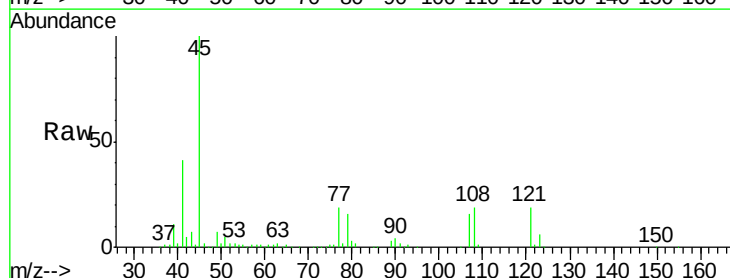
Tgt Ion: 45 Resp: 298435

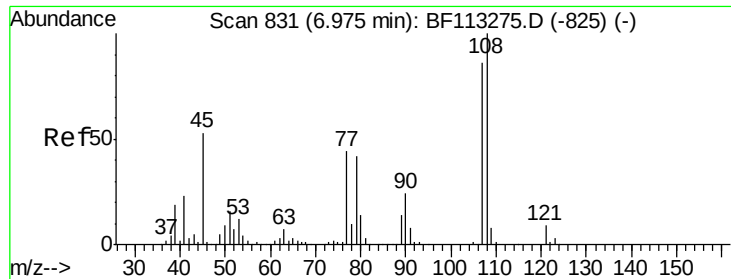
Ion Ratio Lower Upper

45 100

77 19.4 0.0 36.6

79 16.4 0.0 34.0

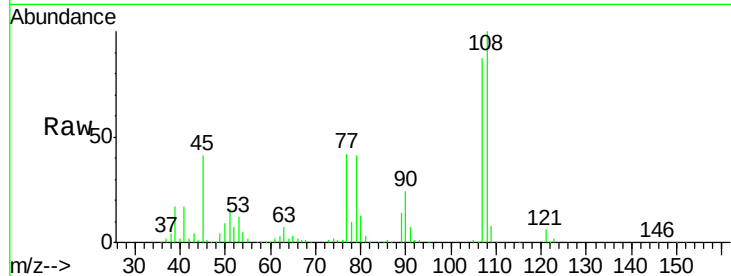




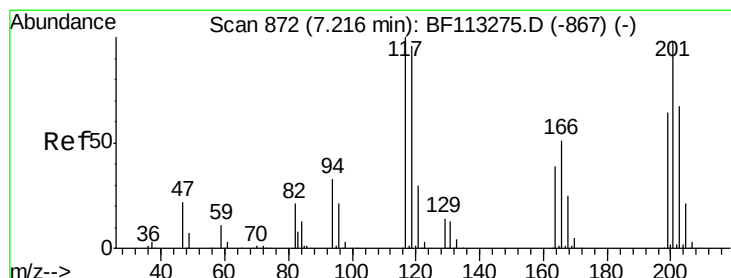
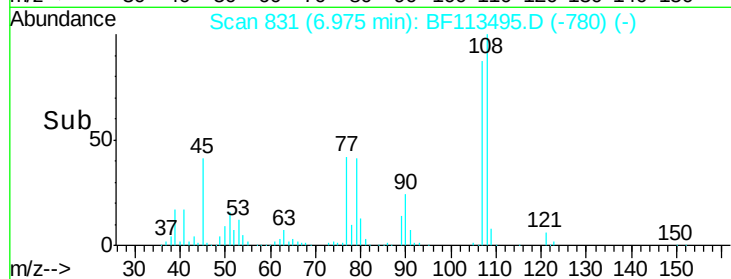
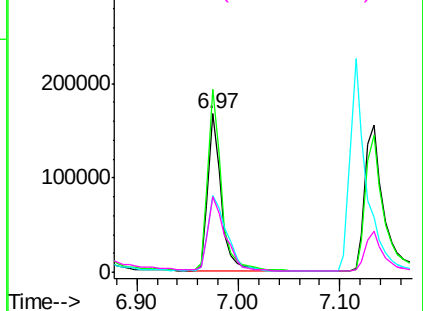
#17  
2-Methylphenol  
Concen: 19.611 ng  
RT: 6.97 min Scan# 831  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 157071 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 115.0 | 93.4  | 140.0  |
| 77       | 48.3  | 41.2  | 61.8   |
| 79       | 47.5  | 40.1  | 60.1   |

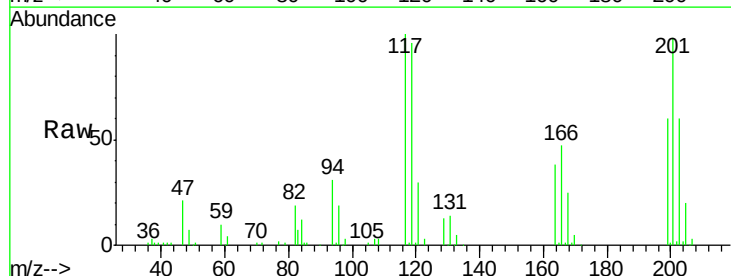


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

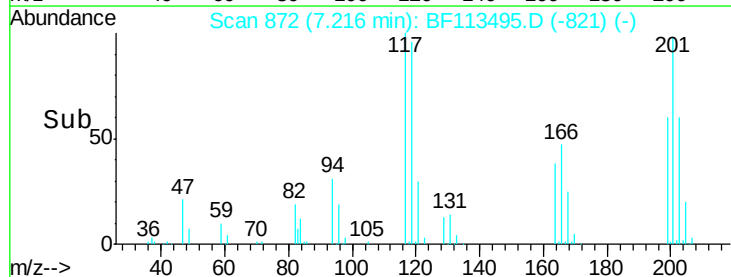
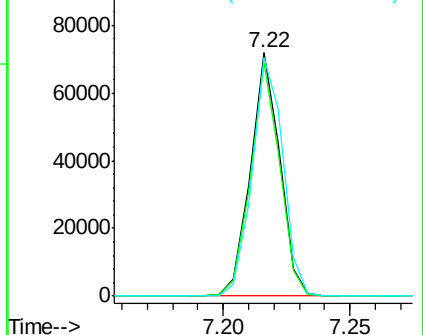


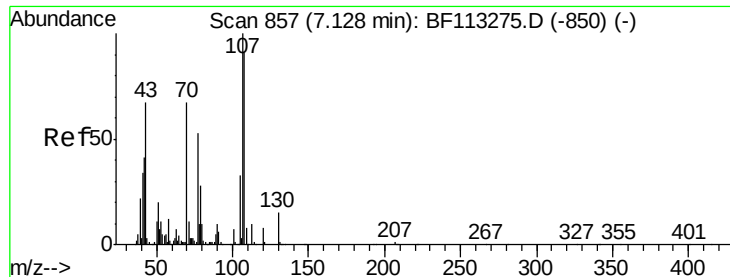
#18  
Hexachloroethane  
Concen: 15.185 ng  
RT: 7.22 min Scan# 872  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 58017 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.0  | 76.9  | 115.3 |
| 201      | 97.8  | 78.7  | 118.1 |



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

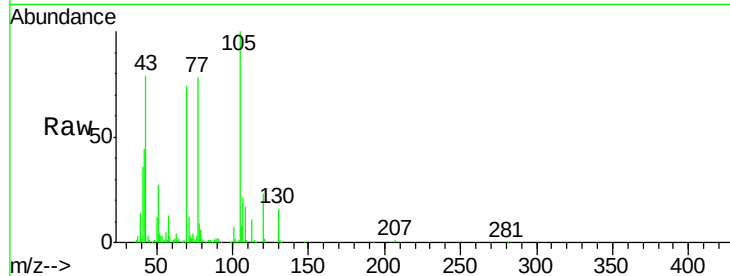




#19  
n-Nitroso-di-n-propylamine  
Concen: 19.271 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 59.5  | 48.4  | 72.6  |
| 101     | 9.6   | 7.8   | 11.8  |
| 130     | 22.0  | 18.2  | 27.4  |



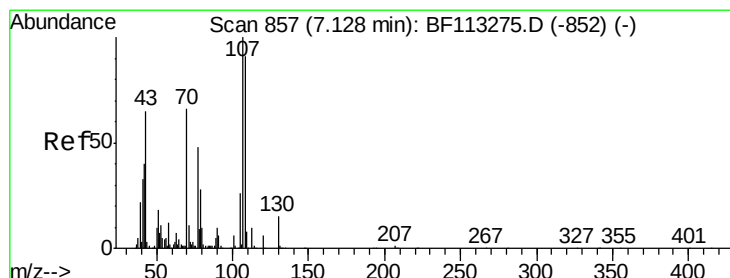
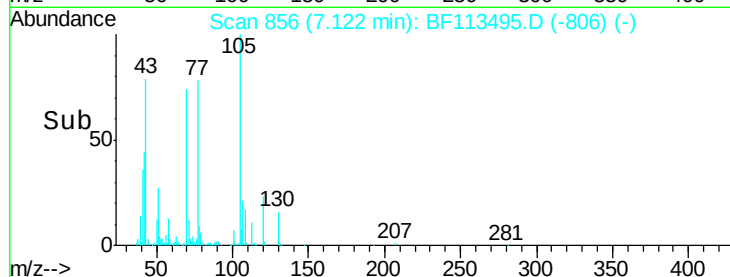
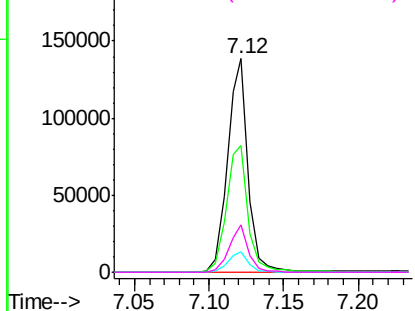
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20  
3+4-Methylphenols  
Concen: 18.395 ng  
RT: 7.13 min Scan# 858  
Delta R.T. 0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 93.1  | 71.4  | 111.4 |
| 77      | 37.7  | 33.5  | 73.5  |
| 79      | 27.8  | 8.3   | 48.3  |

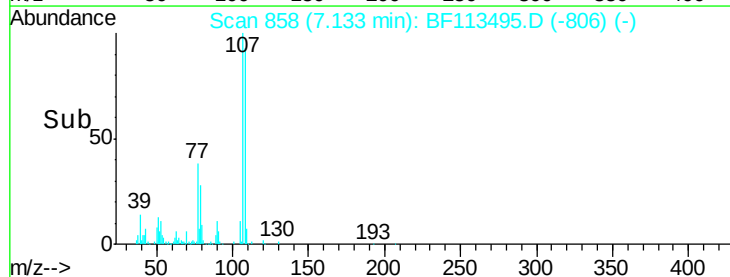
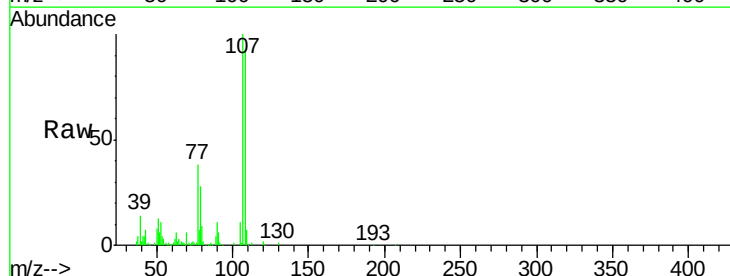
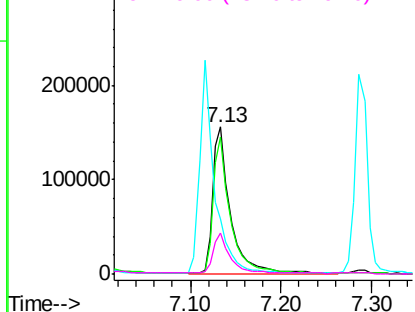
Abundance

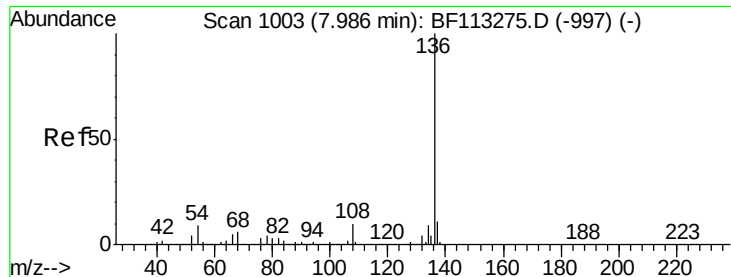
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

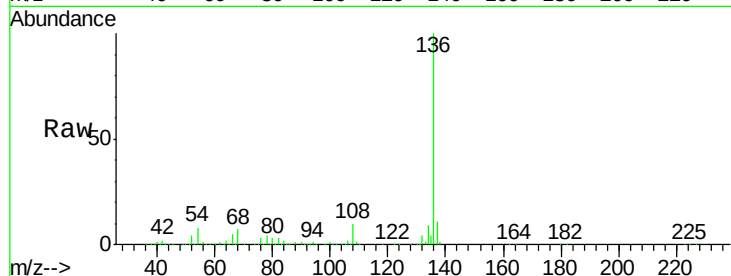




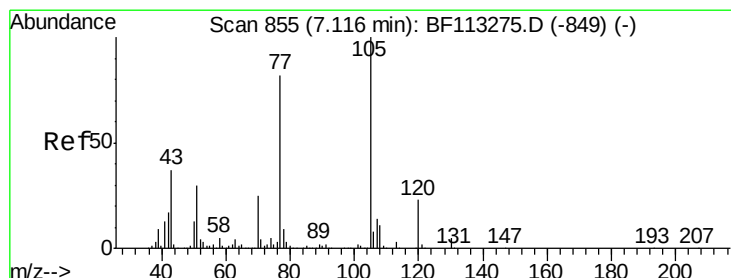
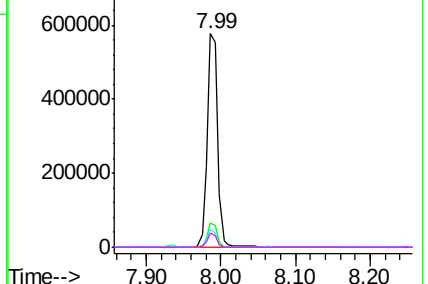
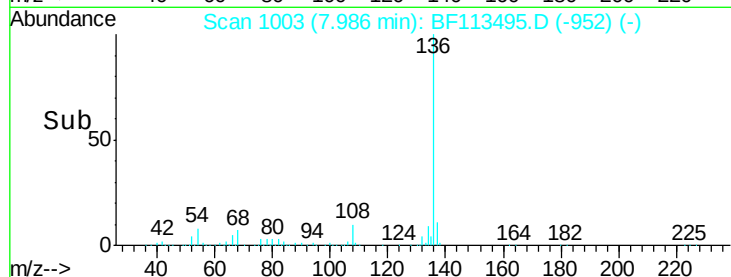
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.99 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 557338   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.9 13.3 |
| 54          | 8.5   | 7.0 10.6 |
| 68          | 6.5   | 4.8 7.2  |

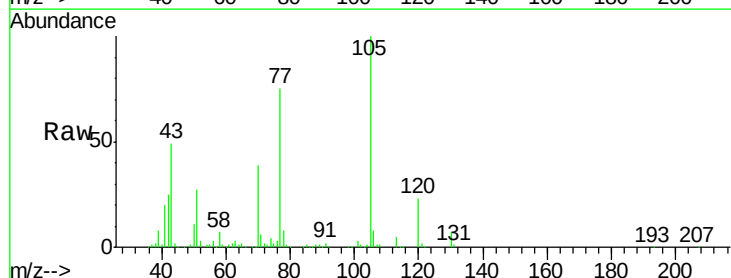


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

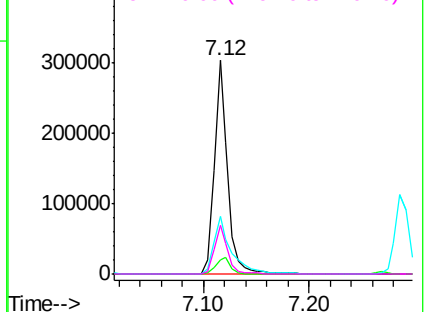
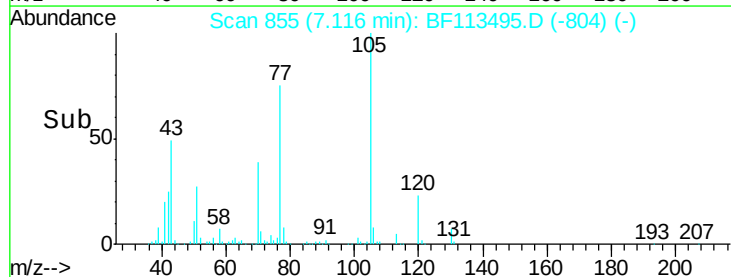


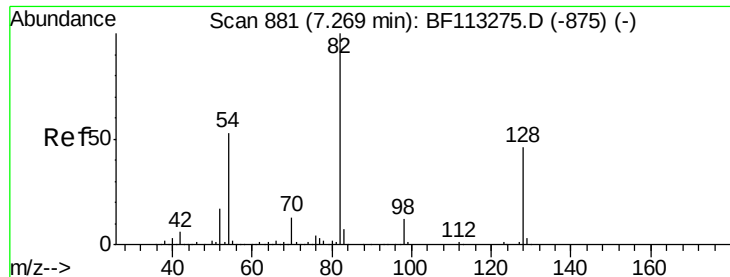
#22  
Acetophenone  
Concen: 21.176 ng  
RT: 7.12 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 269152    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 6.4   | 3.3 4.9#  |
| 51          | 27.1  | 24.2 36.2 |
| 120         | 23.0  | 18.1 27.1 |



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

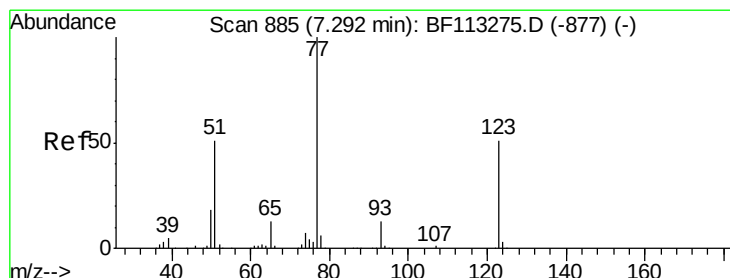
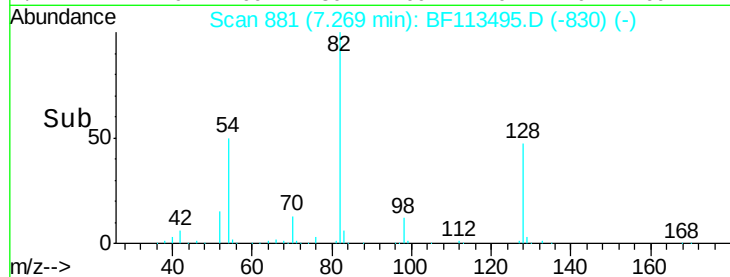
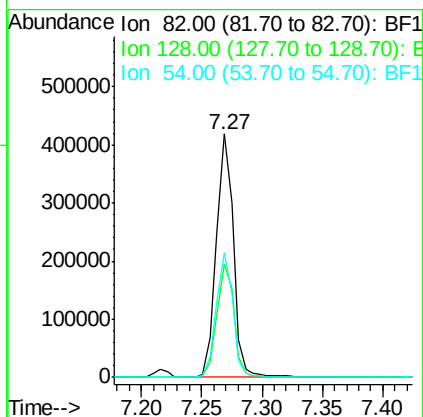
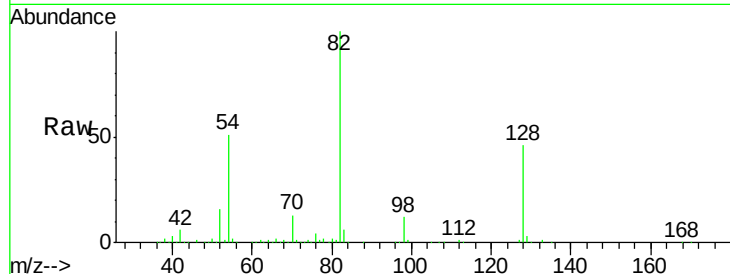




#23  
Nitrobenzene-d5  
Concen: 43.114 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

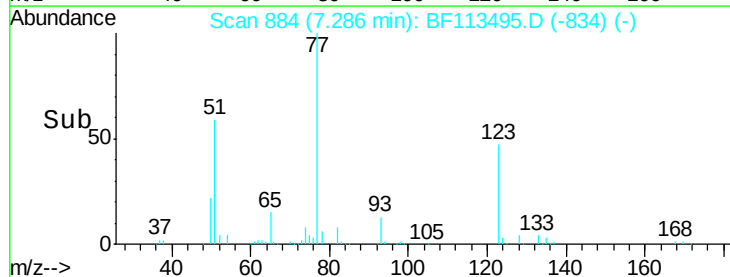
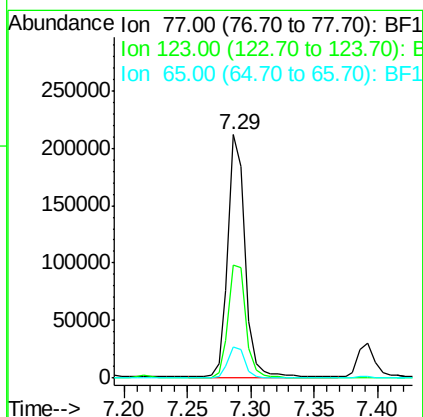
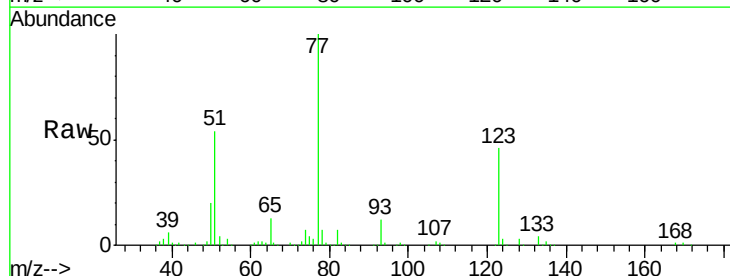
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 404842 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.5  | 36.5  | 54.7   |
| 54        | 51.1  | 42.2  | 63.2   |

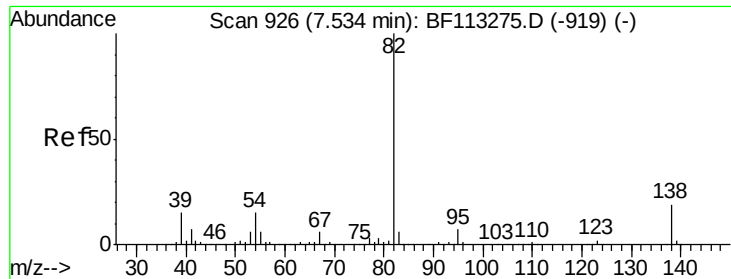


#24  
Nitrobenzene  
Concen: 20.296 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

| Tgt Ion   | 77    | Resp  | 198870 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 46.3  | 40.8  | 61.2   |
| 65        | 13.0  | 10.6  | 16.0   |



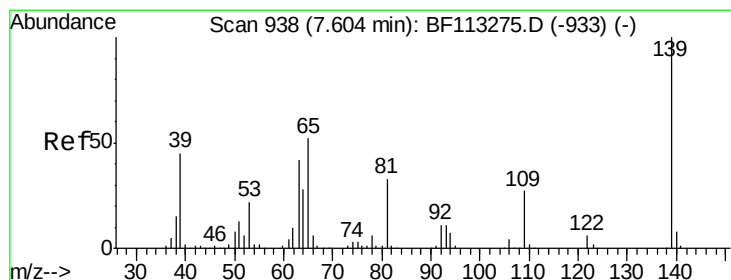
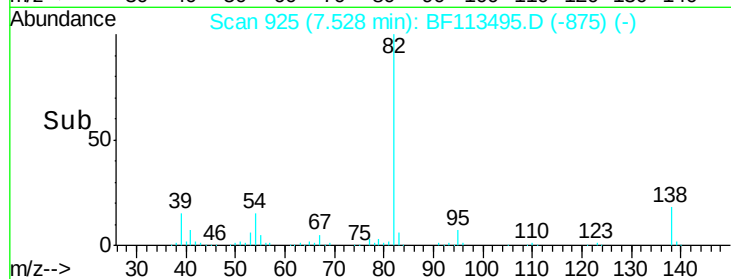
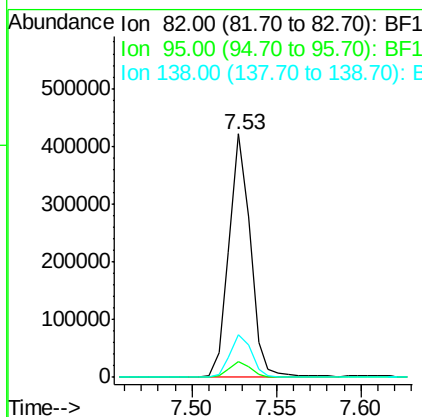
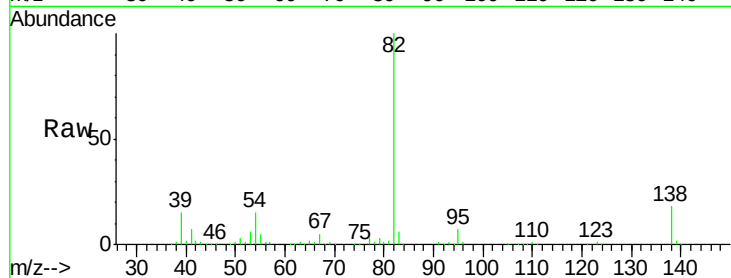




#25  
Isophorone  
Concen: 20.591 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

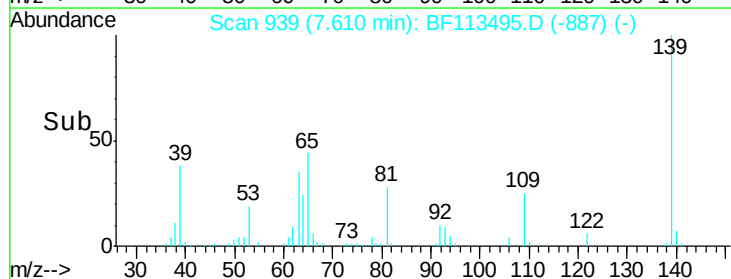
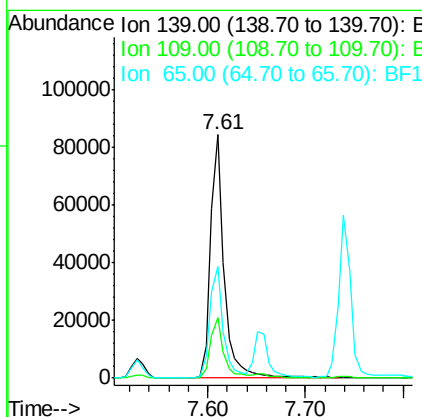
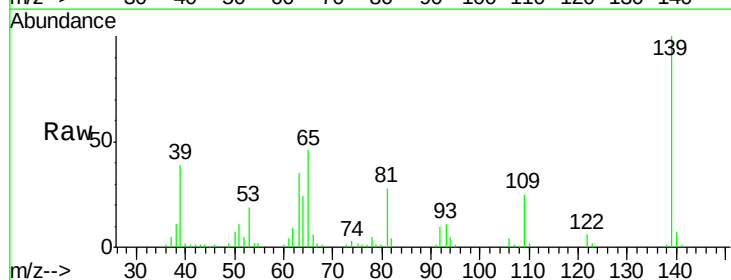
Instrument :  
BNA\_F  
ClientSampleId :

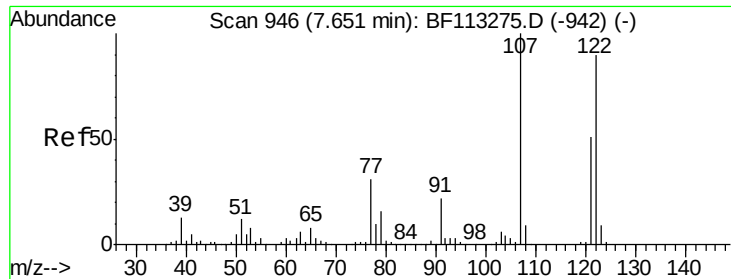
Tot Ion: 82 Resp: 374705  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.5 8.3  
138 17.6 15.2 22.8



#26  
2-Nitrophenol  
Concen: 15.835 ng  
RT: 7.61 min Scan# 939  
Delta R.T. 0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion: 139 Resp: 82016  
Ion Ratio Lower Upper  
139 100  
109 24.7 21.7 32.5  
65 45.7 41.6 62.4





#27

2,4-Dimethylphenol

Concen: 24.228 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF113495.D

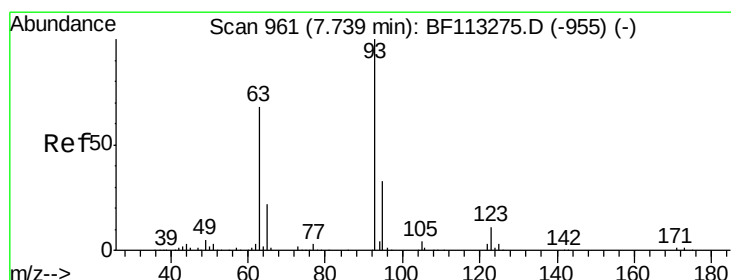
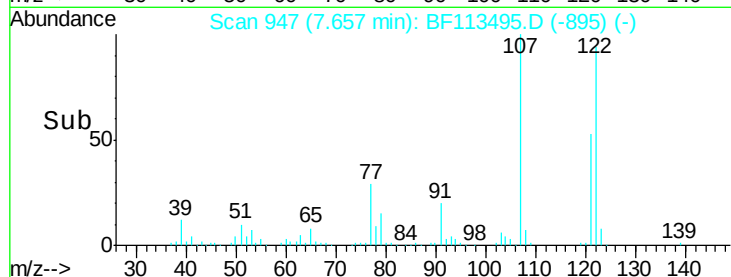
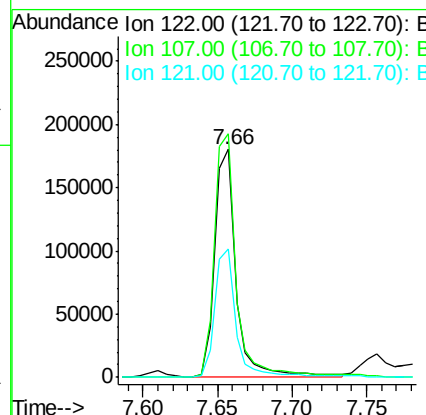
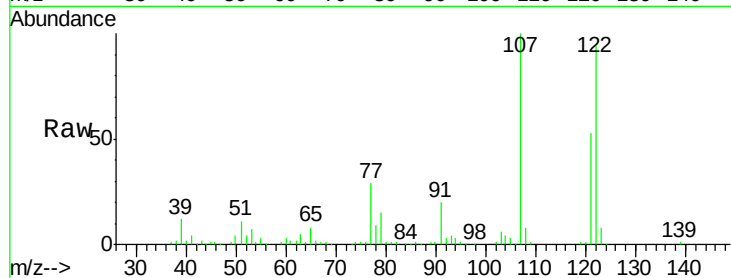
Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 106.8 | 88.8  | 133.2 |
| 121     | 56.3  | 45.5  | 68.3  |



#28

bis(2-Chloroethoxy)methane

Concen: 20.941 ng

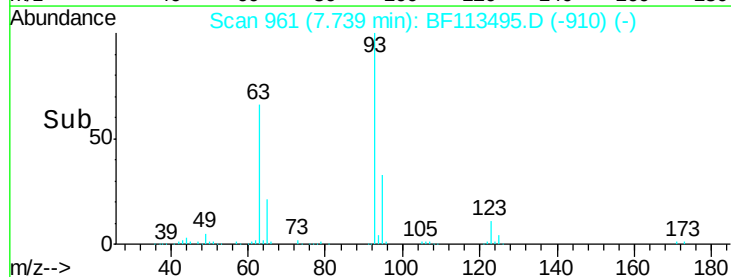
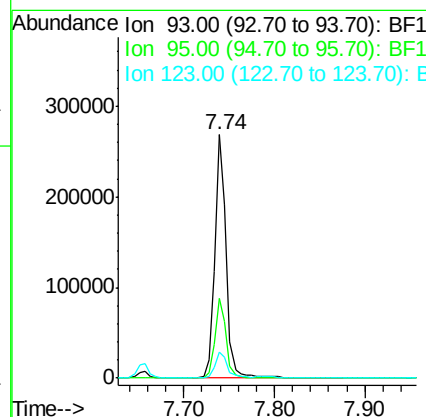
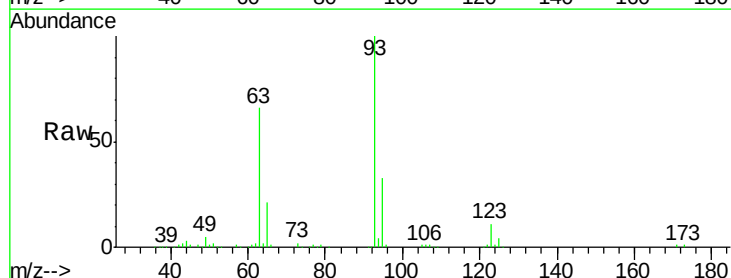
RT: 7.74 min Scan# 961

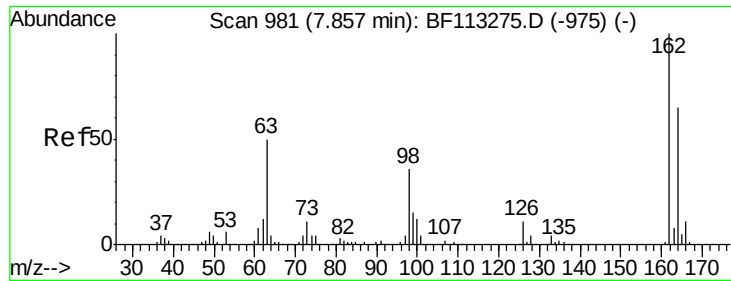
Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 26.0  | 39.0  |
| 123     | 10.9  | 9.1   | 13.7  |

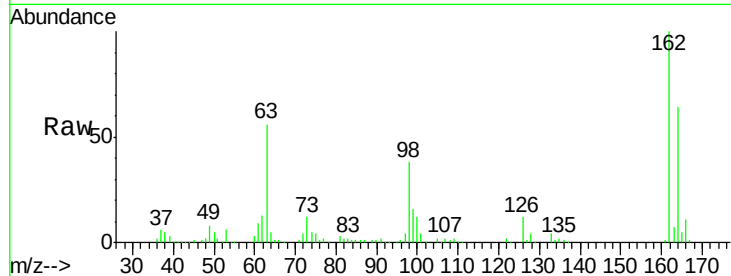




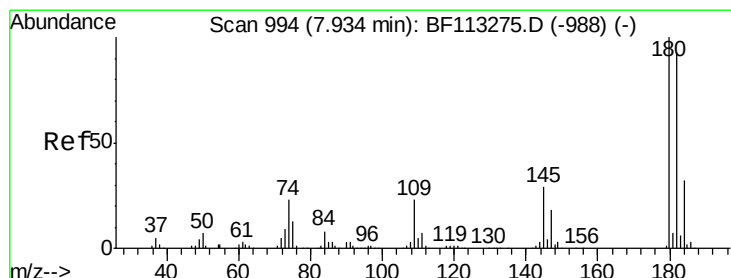
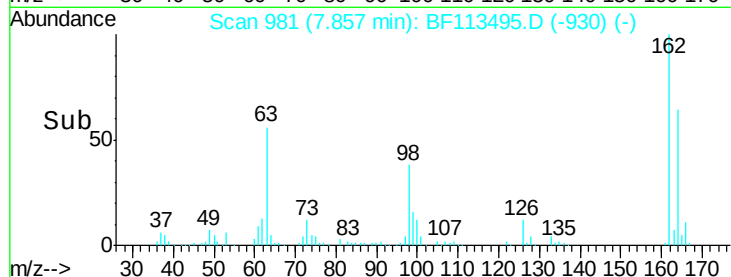
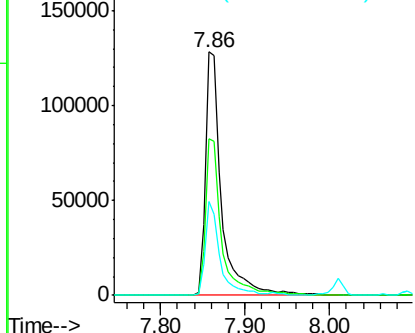
#29  
 2,4-Dichlorophenol  
 Concen: 21.086 ng  
 RT: 7.86 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:162 Resp: 170244  
 Ion Ratio Lower Upper  
 162 100  
 164 64.3 44.6 84.6  
 98 38.3 15.6 55.6

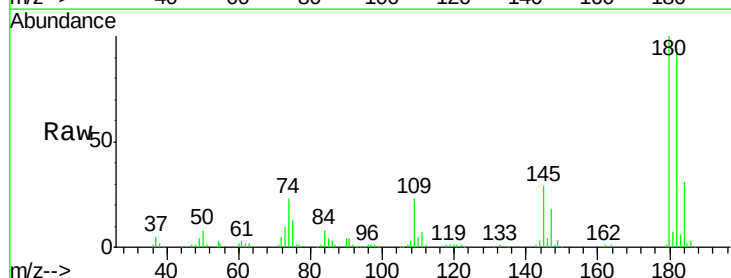


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

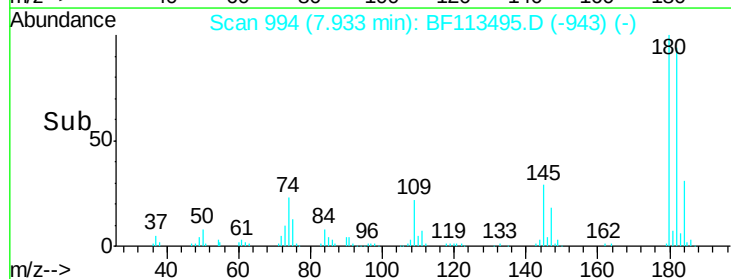
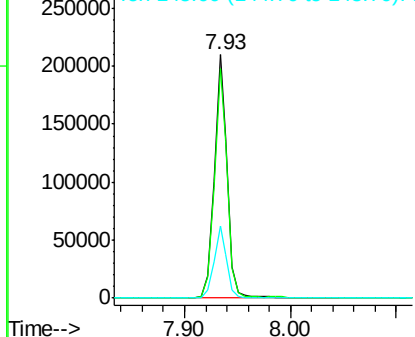


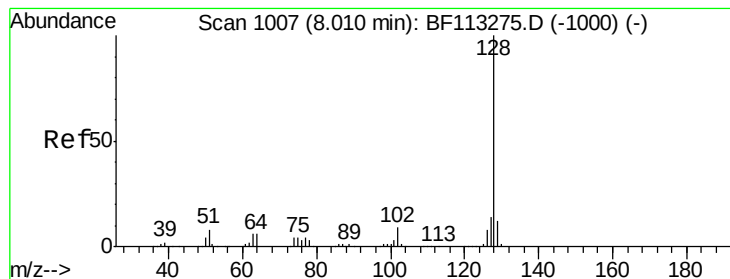
#30  
 1,2,4-Trichlorobenzene  
 Concen: 20.833 ng  
 RT: 7.93 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Tgt Ion:180 Resp: 181472  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 74.6 111.8  
 145 29.4 23.4 35.0



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: 21.222 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

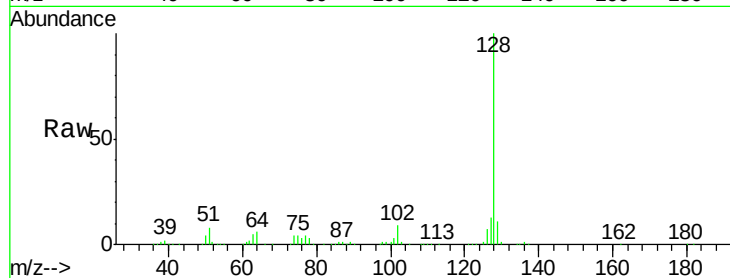
Tot Ion:128 Resp: 577984

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

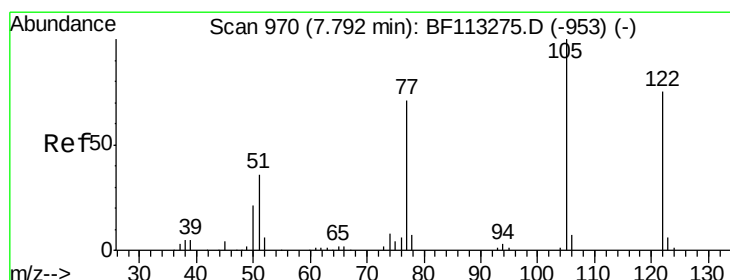
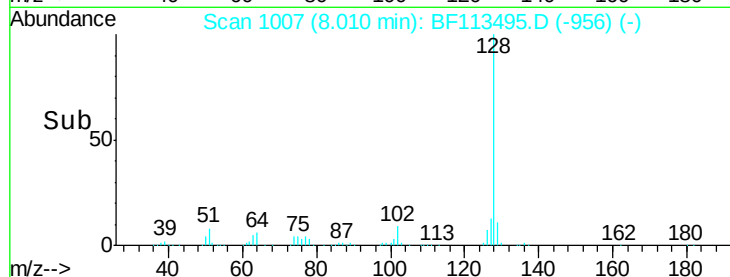
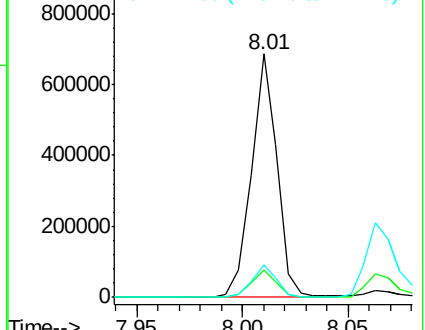
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.078 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

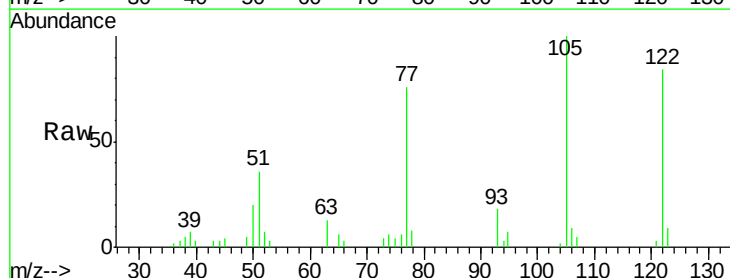
Tgt Ion:122 Resp: 30456

Ion Ratio Lower Upper

122 100

105 119.0 100.4 140.4

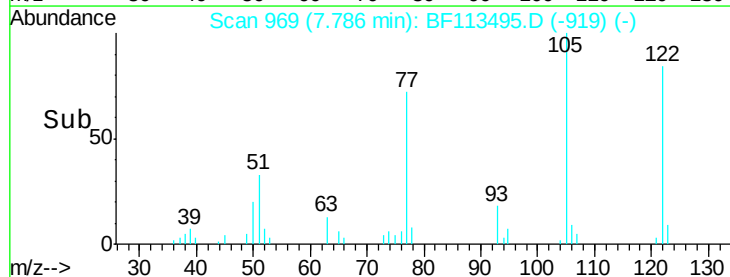
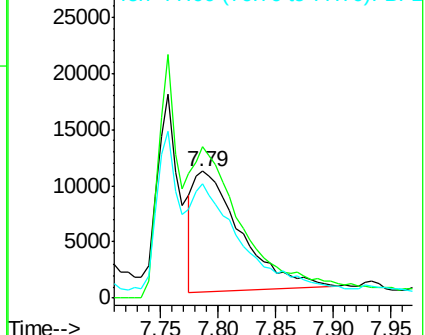
77 90.3 69.0 109.0

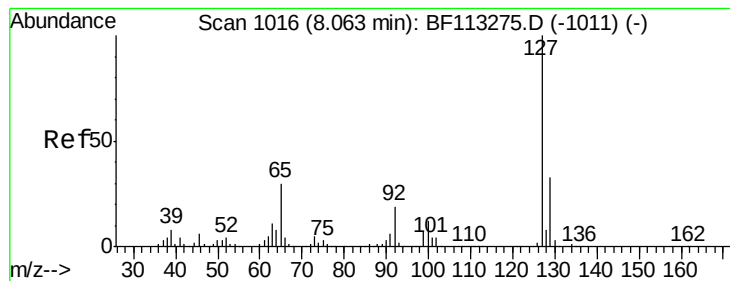


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 21.612 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:127 Resp: 229530

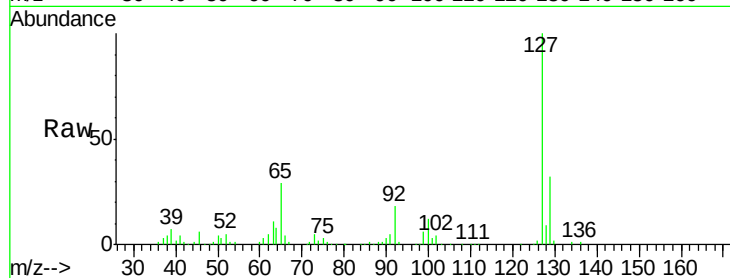
Ion Ratio Lower Upper

127 100

129 32.2 26.3 39.5

65 29.2 24.2 36.4

92 18.3 15.0 22.6

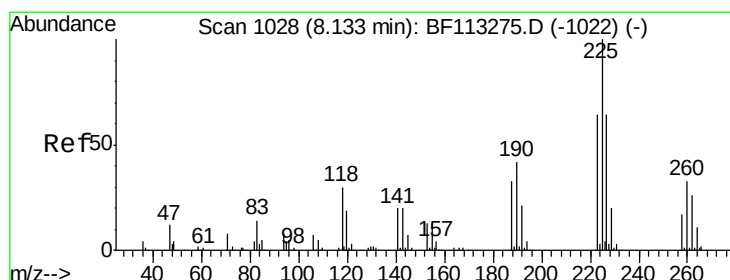
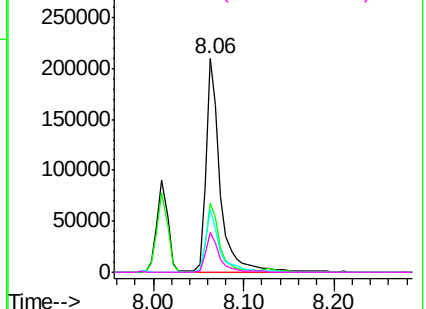
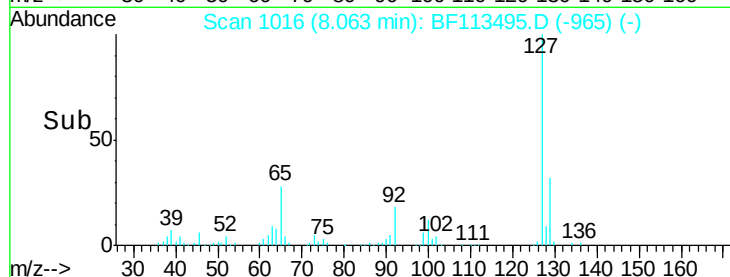


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 20.597 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

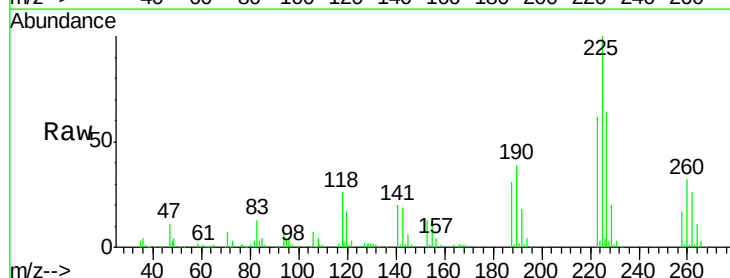
Tgt Ion:225 Resp: 106635

Ion Ratio Lower Upper

225 100

223 62.0 51.4 77.2

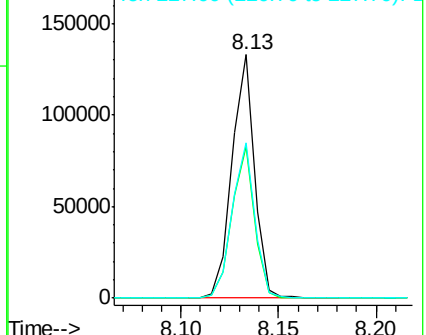
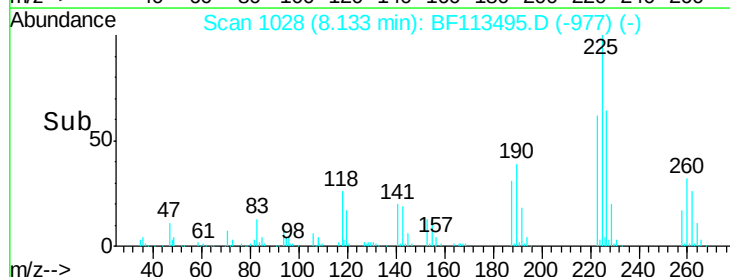
227 63.8 51.1 76.7

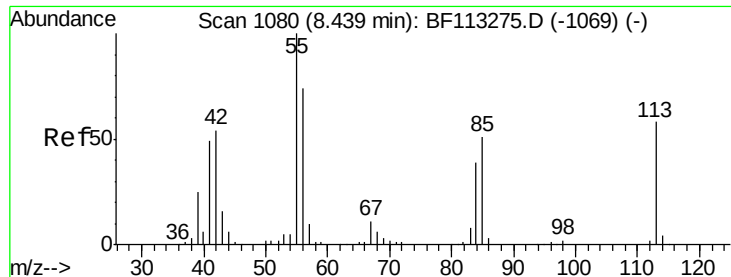


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 19.819 ng

RT: 8.42 min Scan# 1077

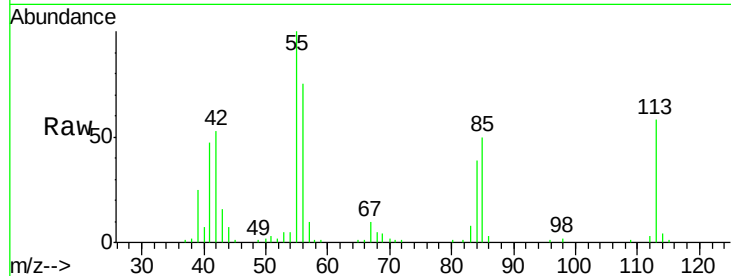
Delta R.T. -0.02 min

Lab File: BF113495.D

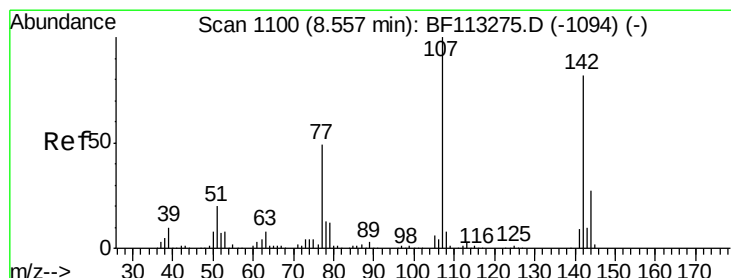
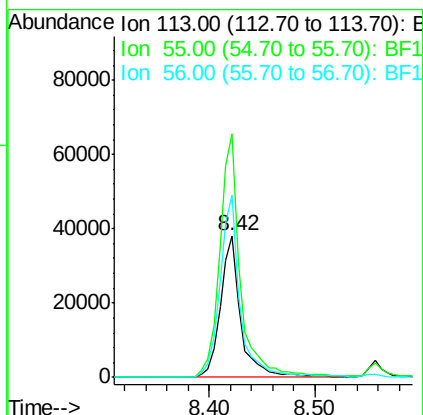
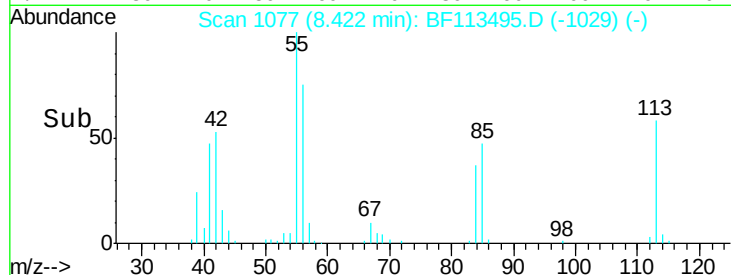
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 51357  
Ion Ratio Lower Upper  
113 100  
55 171.8 152.7 192.7  
56 128.8 108.3 148.3



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: 20.882 ng

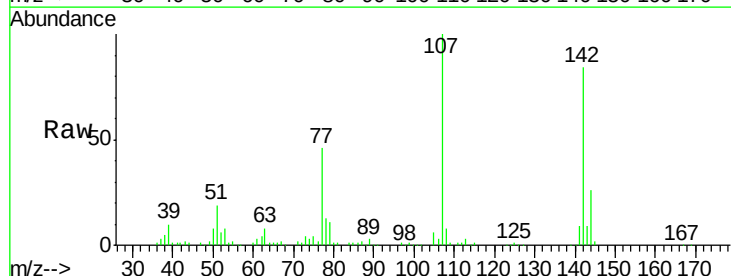
RT: 8.56 min Scan# 1100

Delta R.T. -0.00 min

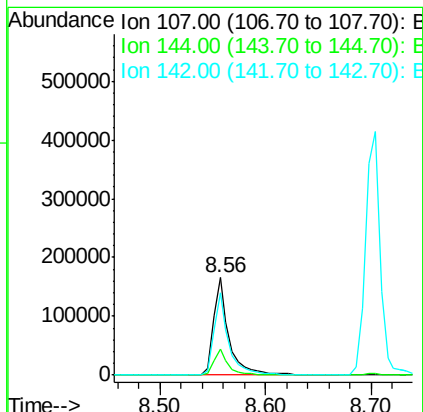
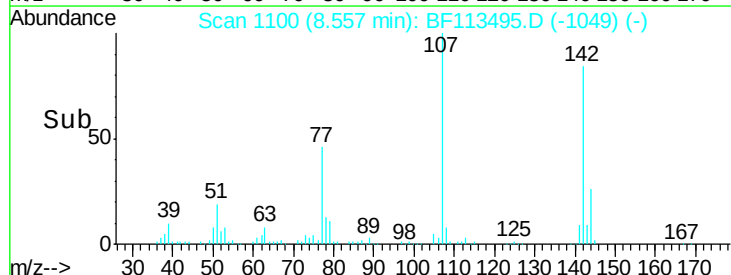
Lab File: BF113495.D

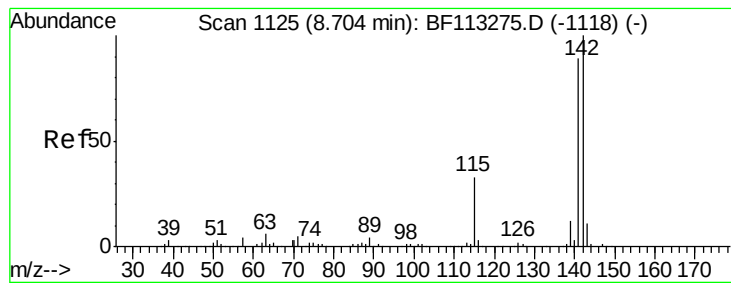
Acq: 2 Apr 2019 7:04

Tgt Ion:107 Resp: 169574  
Ion Ratio Lower Upper  
107 100  
144 26.3 21.4 32.0  
142 84.2 65.6 98.4



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

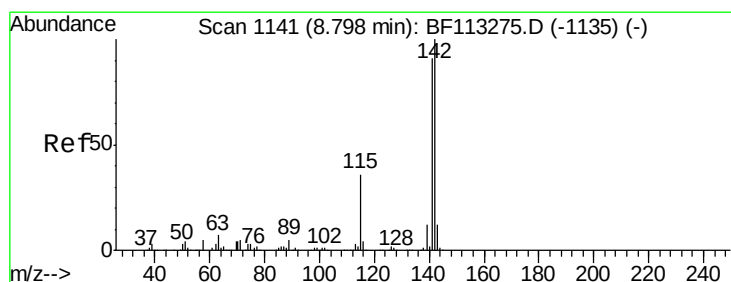
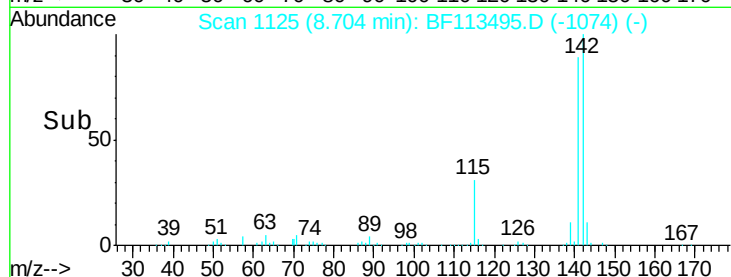
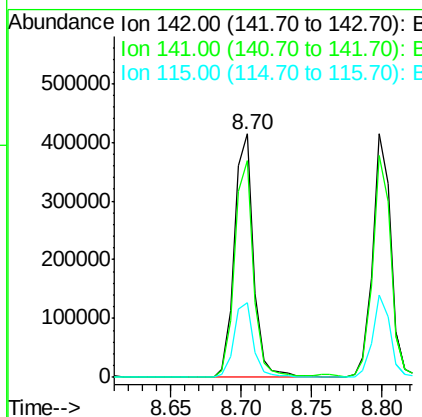
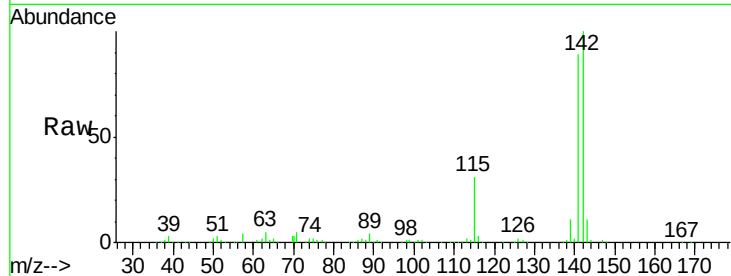




#37  
2-Methylnaphthalene  
Concen: 23.012 ng  
RT: 8.70 min Scan# 1125  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

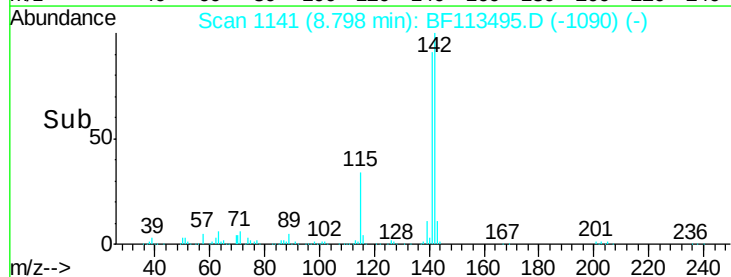
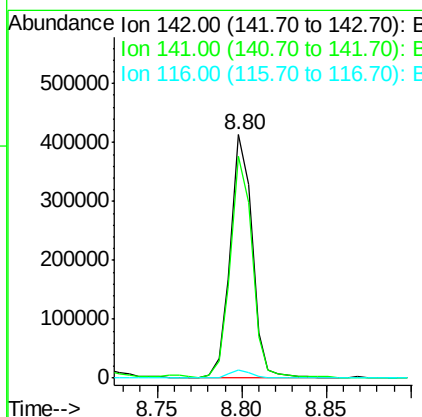
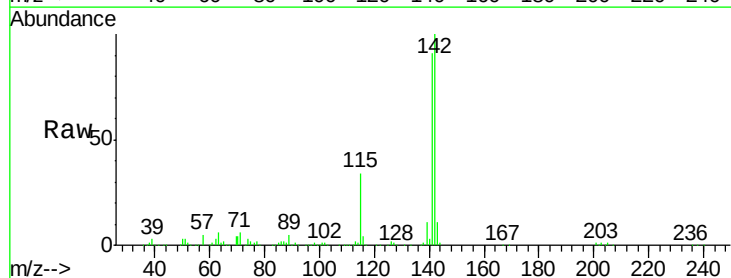
Instrument :  
BNA\_F  
ClientSampleId :

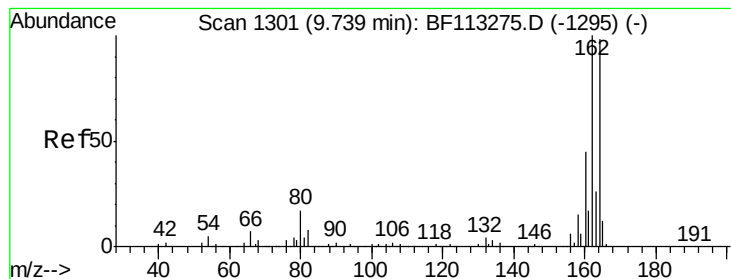
Tot Ion:142 Resp: 391072  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.0 106.6  
115 30.8 26.6 39.8



#38  
1-Methylnaphthalene  
Concen: 22.607 ng  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion:142 Resp: 369536  
Ion Ratio Lower Upper  
142 100  
141 91.3 73.2 109.8  
116 3.6 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

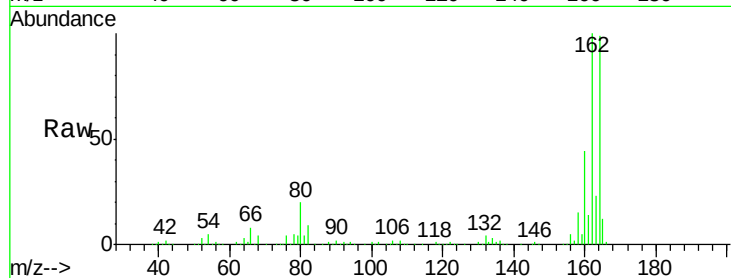
Tot Ion:164 Resp: 267570

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

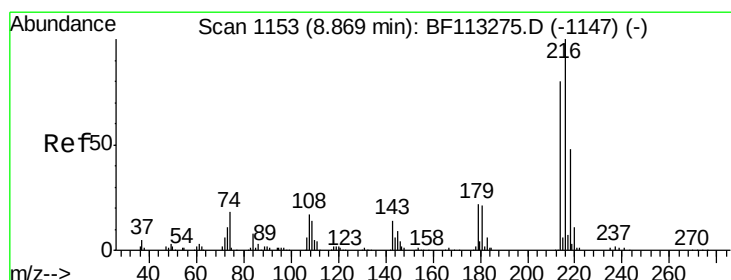
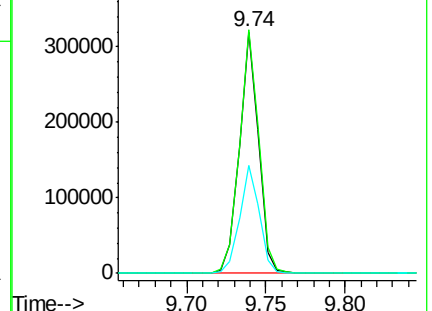
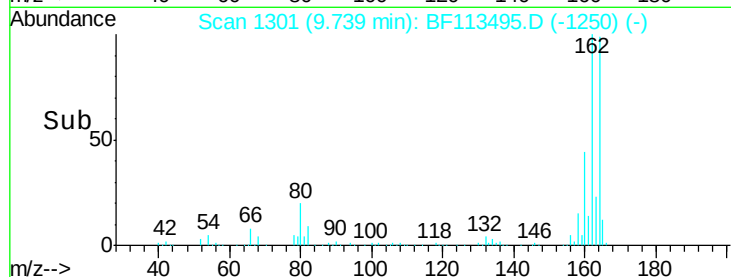
160 44.7 36.4 54.6



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: 21.215 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Tgt Ion:216 Resp: 182217

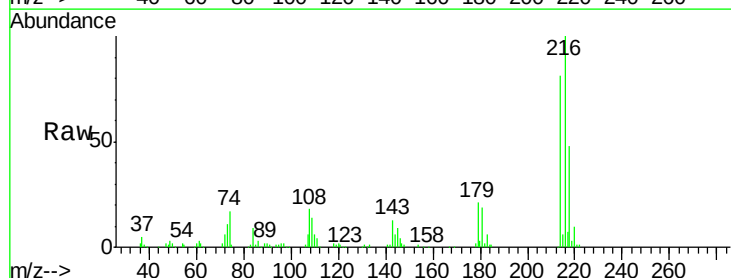
Ion Ratio Lower Upper

216 100

214 79.7 63.0 94.6

179 19.8 16.8 25.2

108 16.0 13.8 20.6

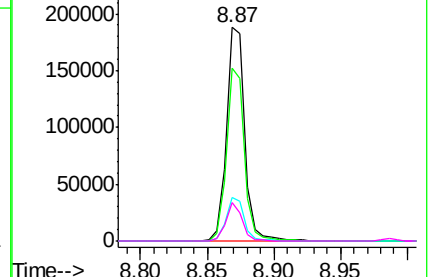
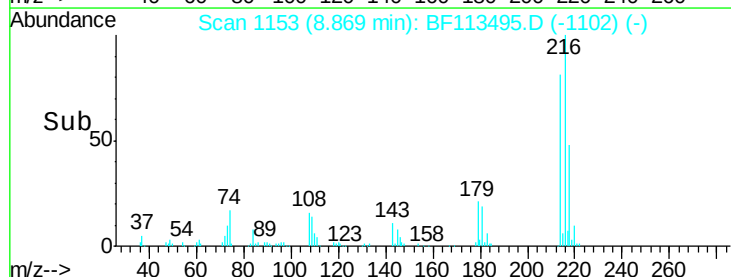


Abundance Ion 216.00 (215.70 to 216.70): E

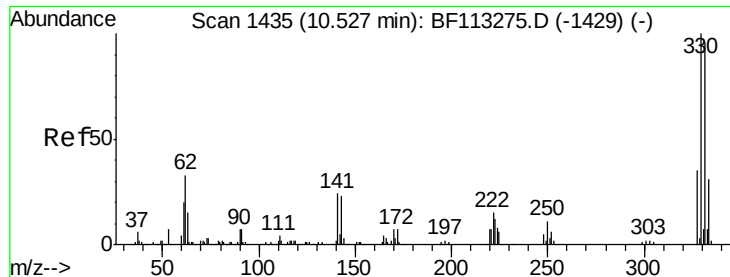
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E







#42

2,4,6-Tribromophenol

Concen: 39.033 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113495.D

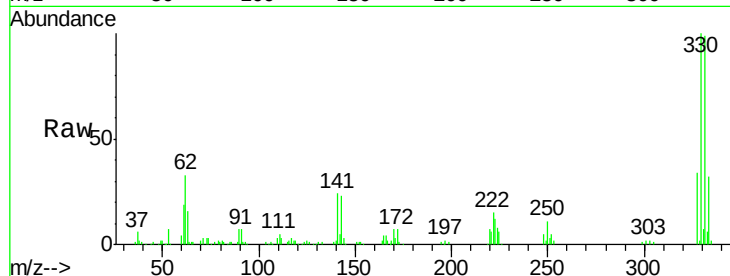
Acq: 2 Apr 2019 7:04

Instrument :

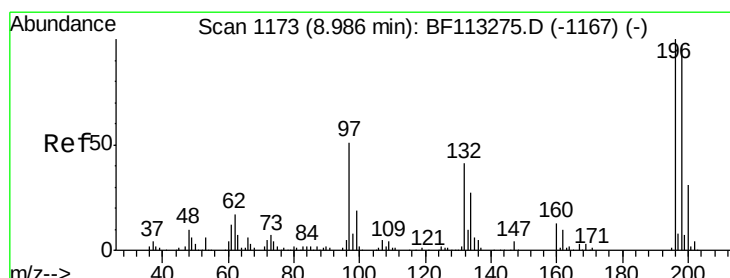
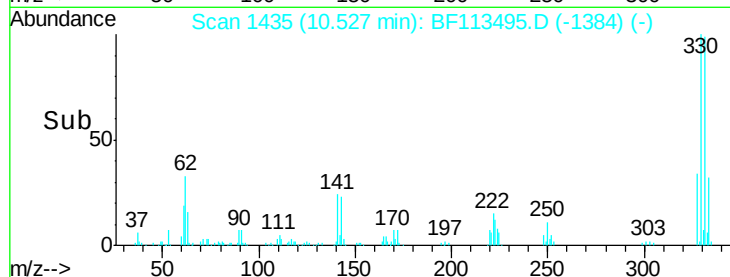
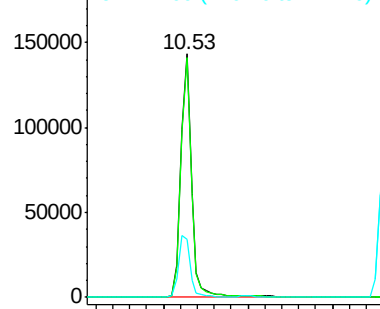
BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 330   | Resp: | 129008 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.9  | 77.8  | 116.6  |
| 141      | 27.4  | 22.7  | 34.1   |



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



#43

2,4,6-Trichlorophenol

Concen: 20.313 ng

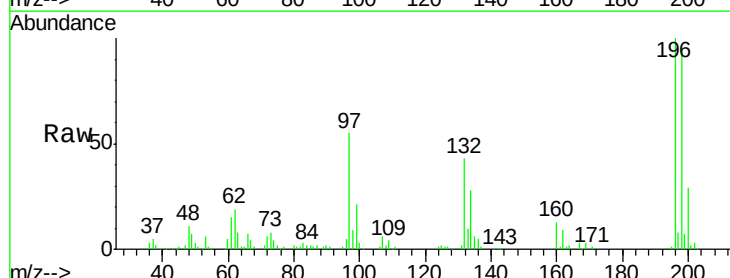
RT: 8.99 min Scan# 1173

Delta R.T. -0.00 min

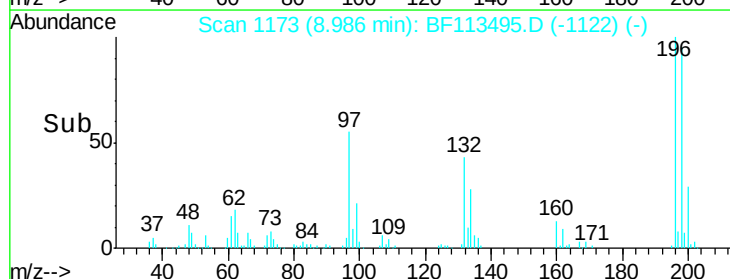
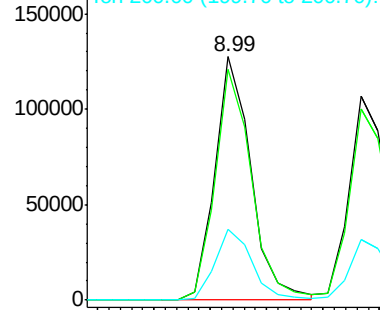
Lab File: BF113495.D

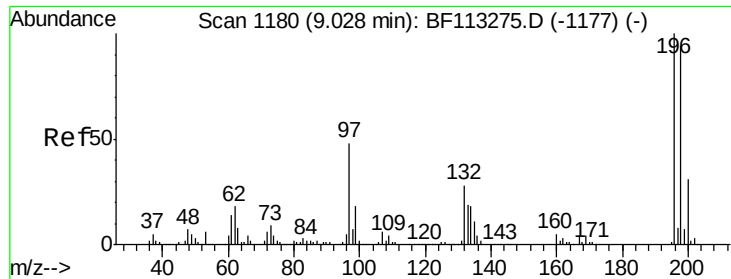
Acq: 2 Apr 2019 7:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 196   | Resp: | 113613 |
| Ion      | Ratio | Lower | Upper  |
| 196      | 100   |       |        |
| 198      | 94.8  | 77.7  | 116.5  |
| 200      | 28.9  | 24.9  | 37.3   |



Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

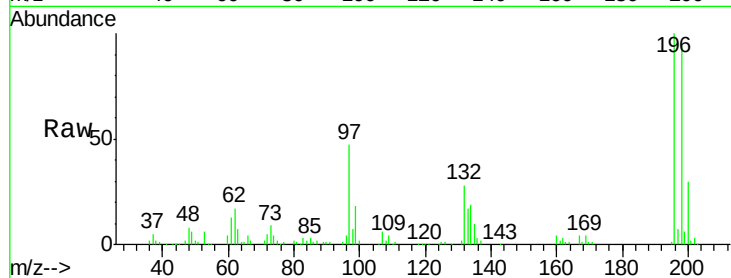




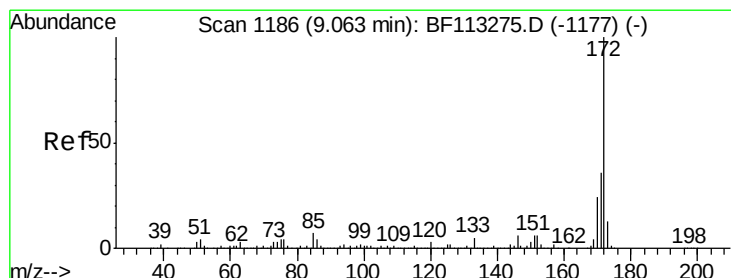
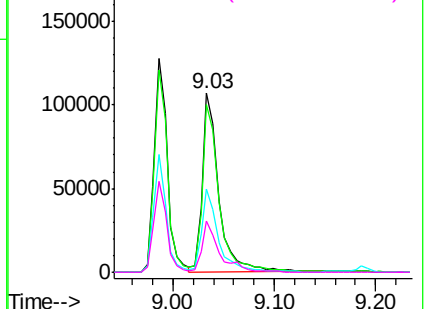
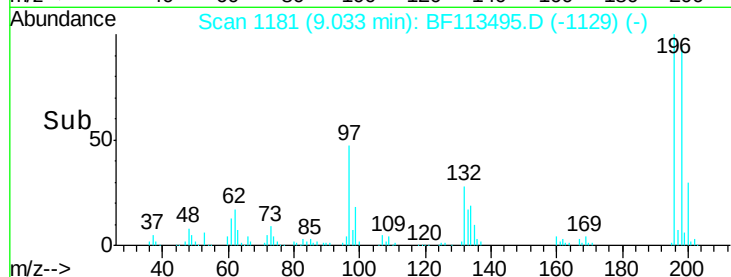
#44  
 2,4,5-Trichlorophenol  
 Concen: 19.444 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.0  | 75.4  | 113.2 |
| 97      | 46.7  | 38.6  | 58.0  |
| 132     | 28.4  | 22.9  | 34.3  |

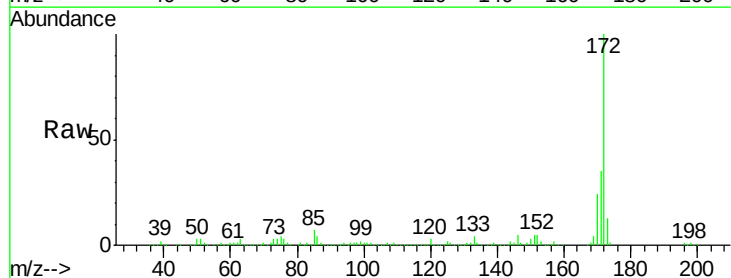


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

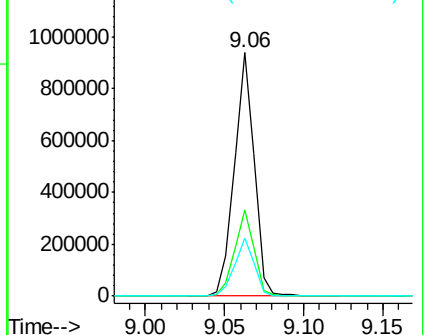
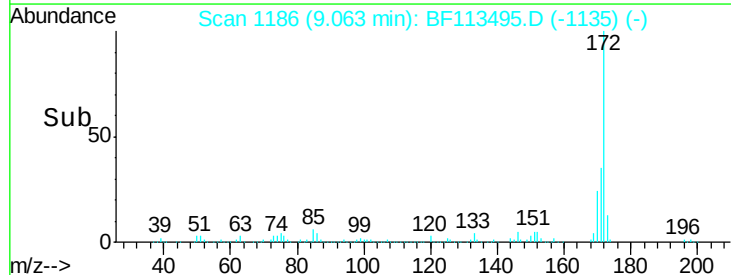


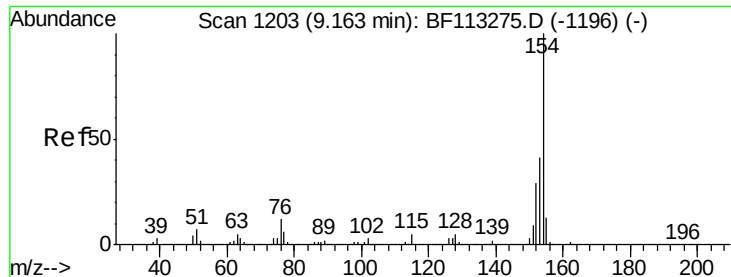
#45  
 2-Fluorobiphenyl  
 Concen: 38.349 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.0  | 43.6  |
| 170     | 23.7  | 19.5  | 29.3  |



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

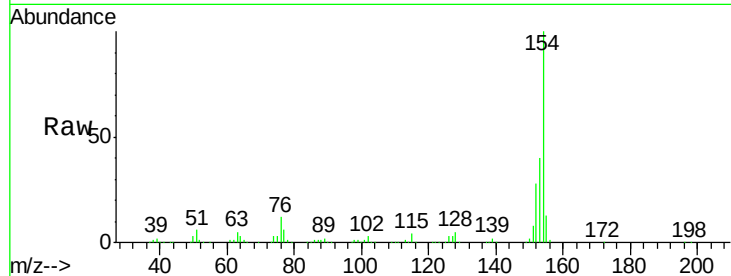




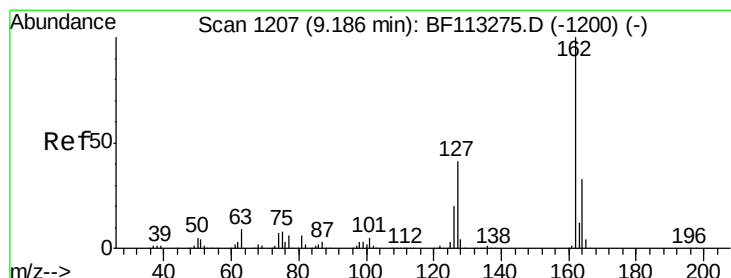
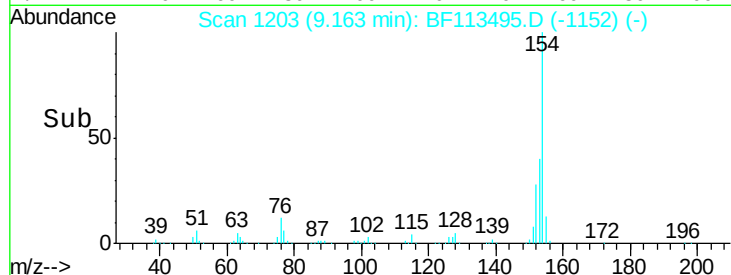
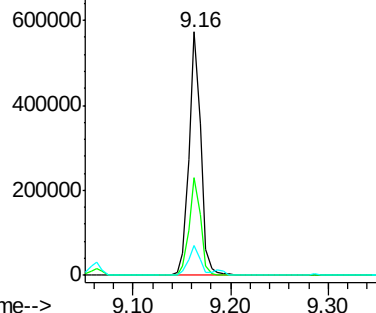
#46  
 1,1'-Biphenyl  
 Concen: 21.479 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.9  | 20.8  | 60.8  |
| 76      | 12.3  | 0.0   | 31.9  |

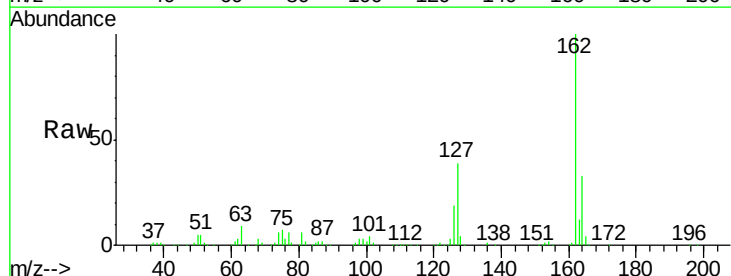


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

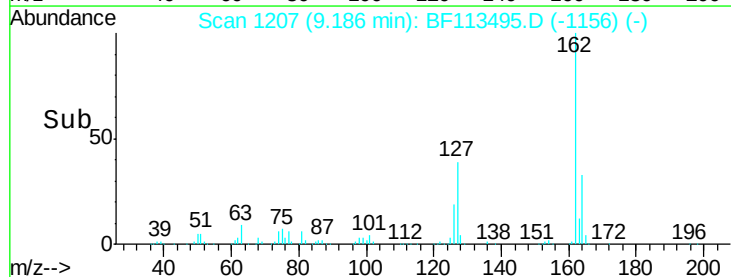
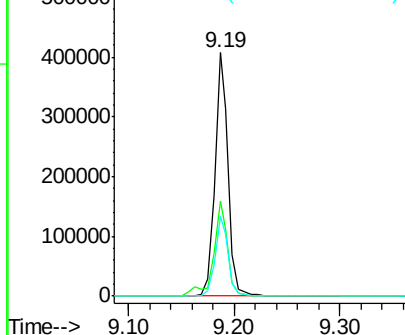


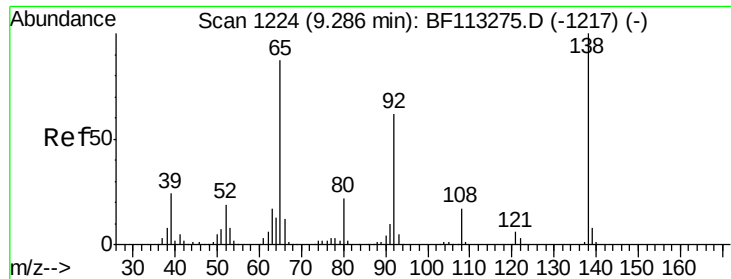
#47  
 2-Chloronaphthalene  
 Concen: 20.960 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.2  | 32.6  | 49.0  |
| 164     | 32.6  | 26.6  | 39.8  |



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

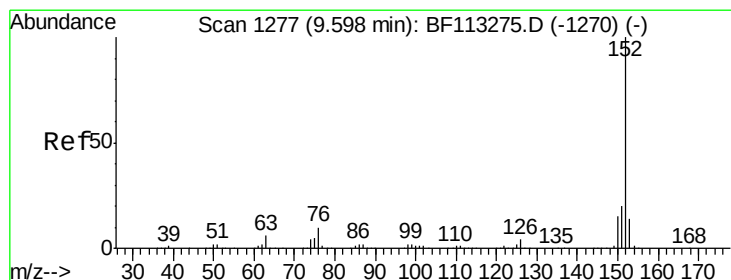
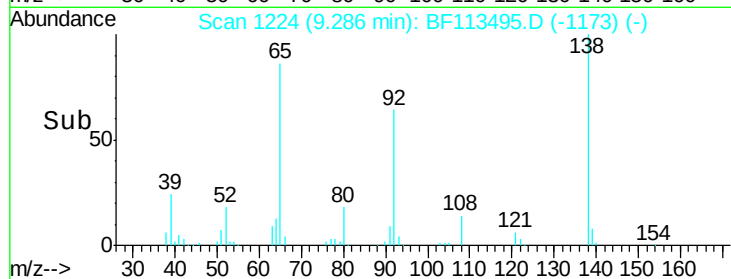
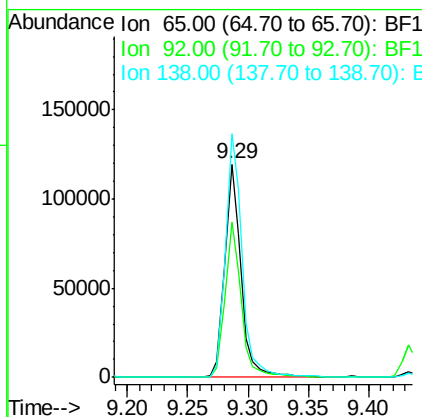
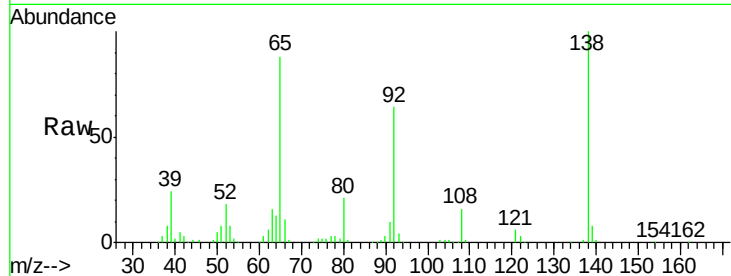




#48  
2-Nitroaniline  
Concen: 20.862 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

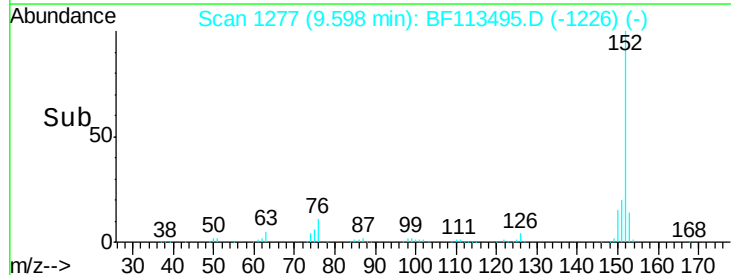
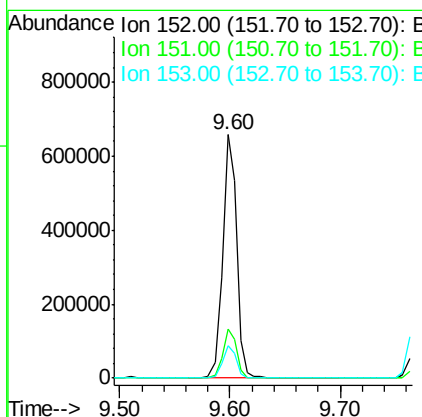
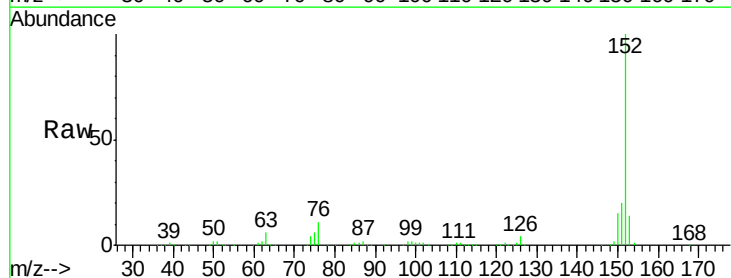
Instrument :  
BNA\_F  
ClientSampleId :

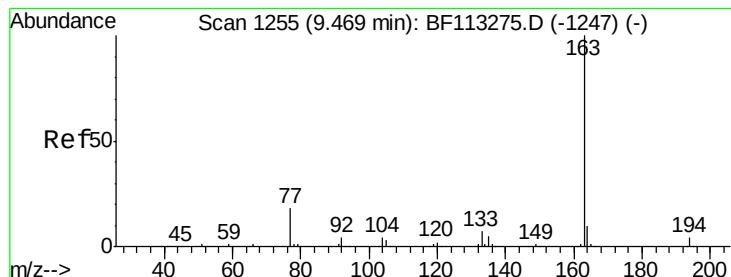
Tot Ion: 65 Resp: 112650  
Ion Ratio Lower Upper  
65 100  
92 72.6 56.8 85.2  
138 114.2 92.3 138.5



#49  
Acenaphthylene  
Concen: 20.856 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion: 152 Resp: 580244  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.4  
153 13.5 11.0 16.6





#50

Dimethylphthalate

Concen: 21.324 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

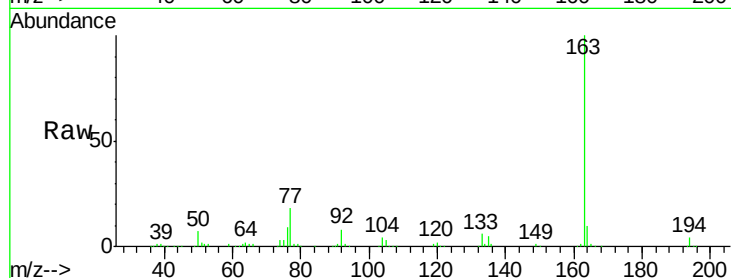
Tot Ion:163 Resp: 422836

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

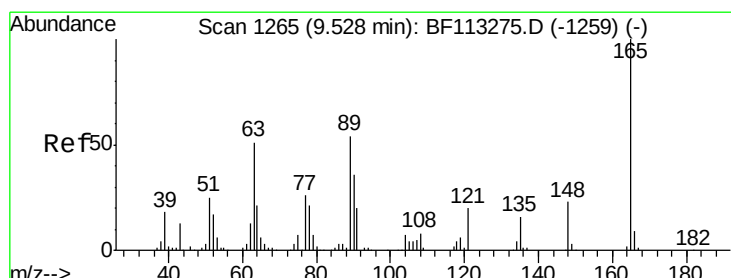
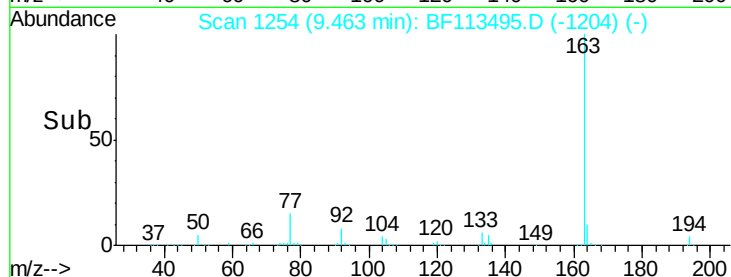
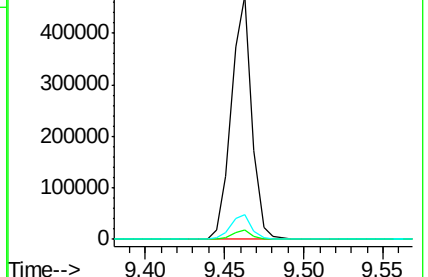
164 10.0 8.1 12.1



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: 18.517 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

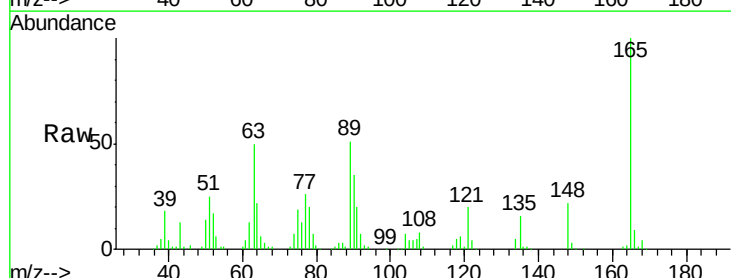
Tgt Ion:165 Resp: 82834

Ion Ratio Lower Upper

165 100

63 49.9 43.4 65.0

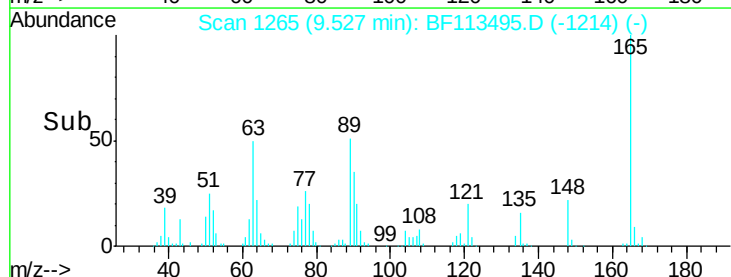
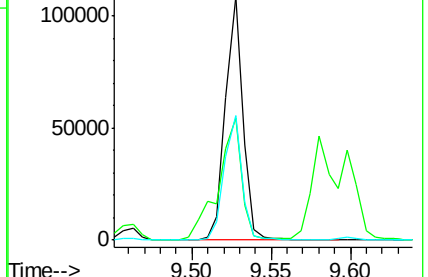
89 51.3 43.1 64.7

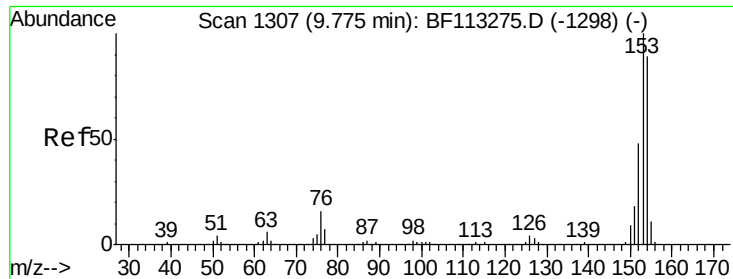


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 21.014 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

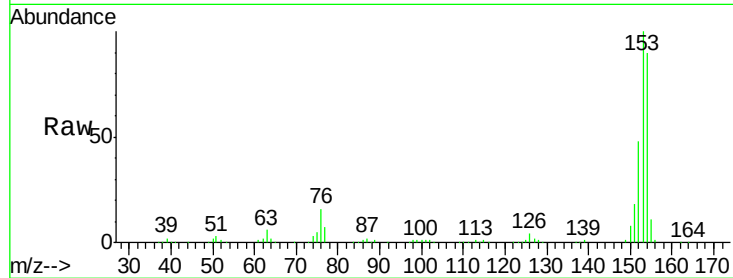
Tot Ion:154 Resp: 329240

Ion Ratio Lower Upper

154 100

153 111.3 89.5 134.3

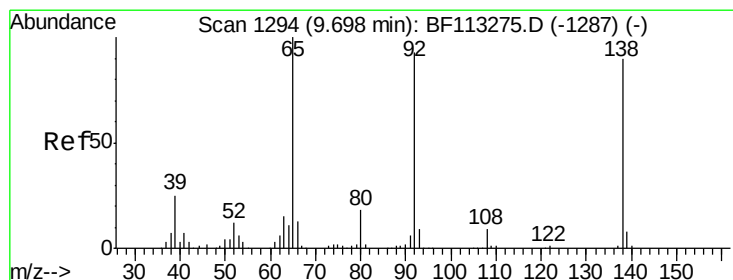
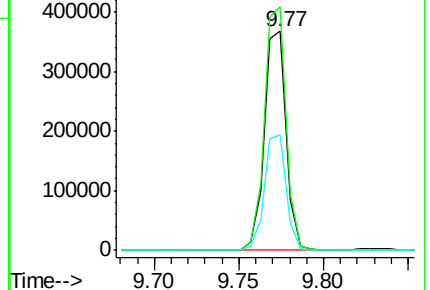
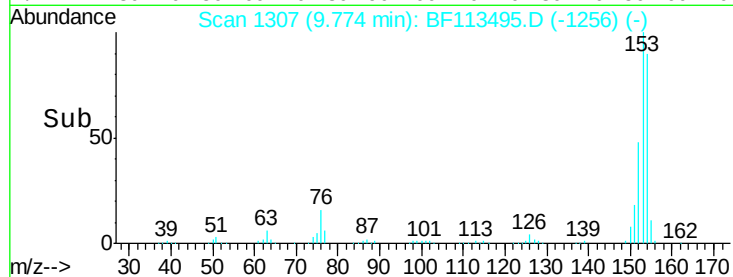
152 53.0 43.3 64.9



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: 22.374 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

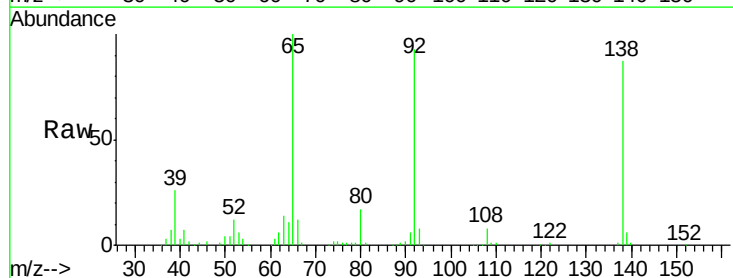
Tgt Ion:138 Resp: 112868

Ion Ratio Lower Upper

138 100

108 9.6 7.8 11.6

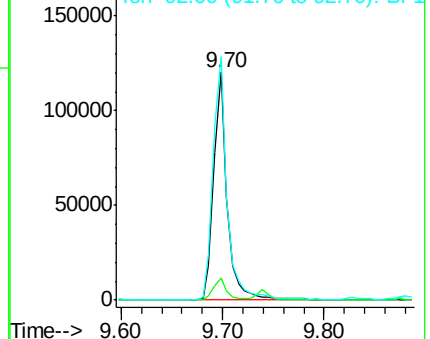
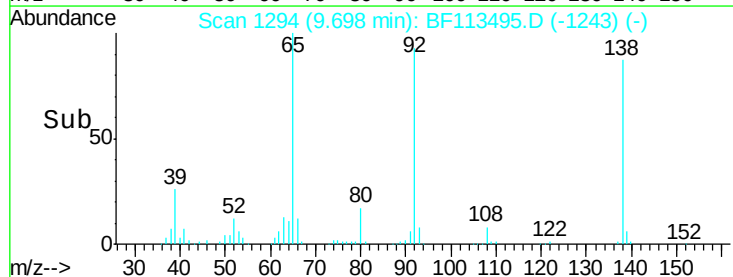
92 106.9 82.6 124.0

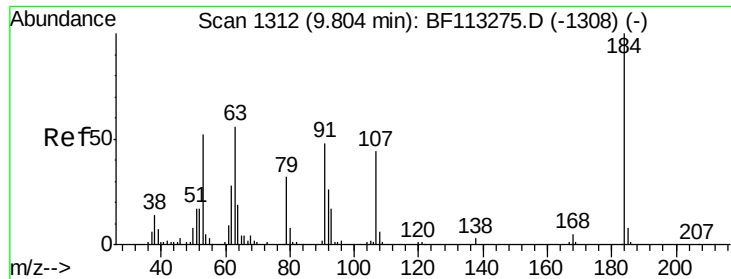


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

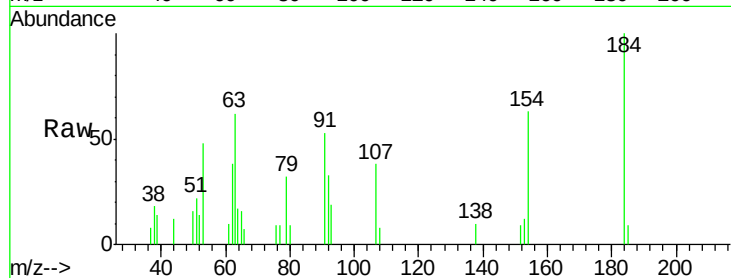




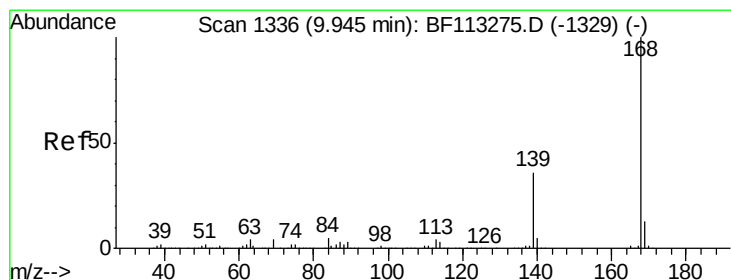
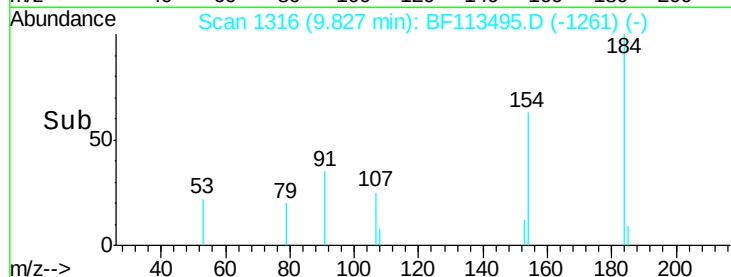
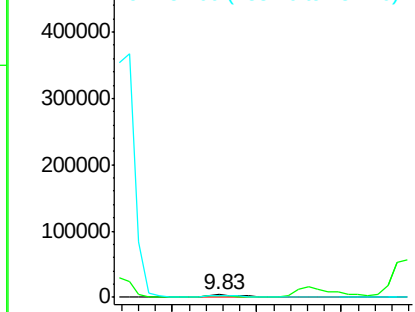
#54  
2,4-Dinitrophenol  
Concen: 3.121 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. 0.02 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:184 Resp: 6943  
Ion Ratio Lower Upper  
184 100  
63 61.9 54.3 81.5  
154 63.1 48.4 72.6

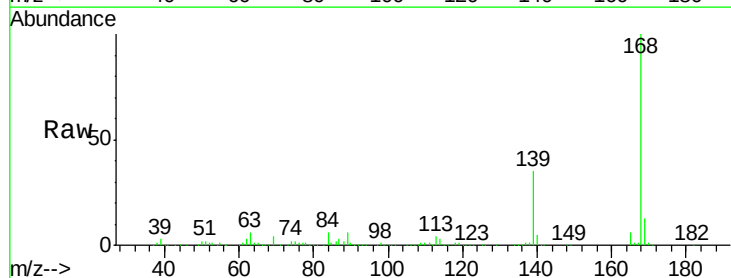


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

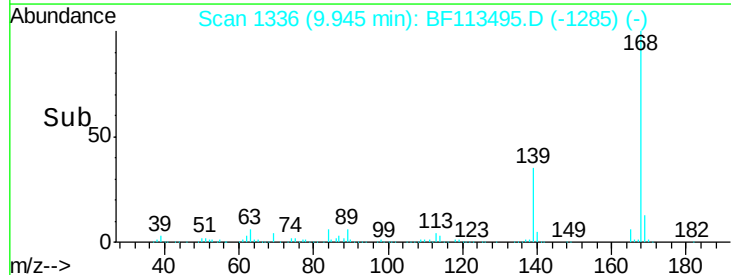
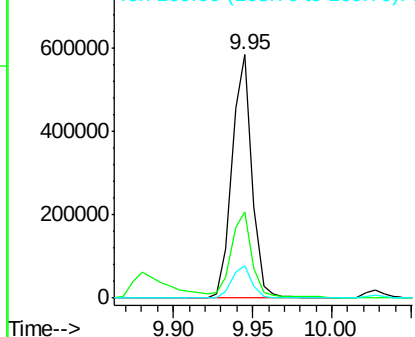


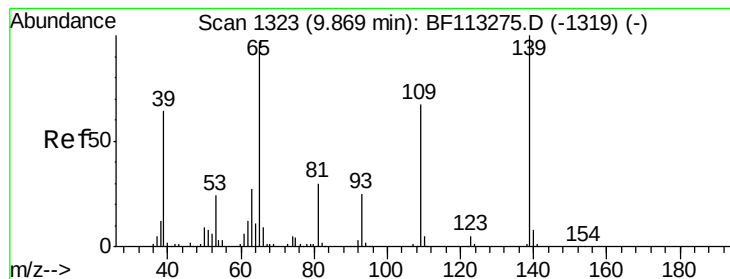
#55  
Dibenzofuran  
Concen: 21.582 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion:168 Resp: 508325  
Ion Ratio Lower Upper  
168 100  
139 35.3 29.7 44.5  
169 13.2 10.7 16.1



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





#56

4-Nitrophenol

Concen: 27.574 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

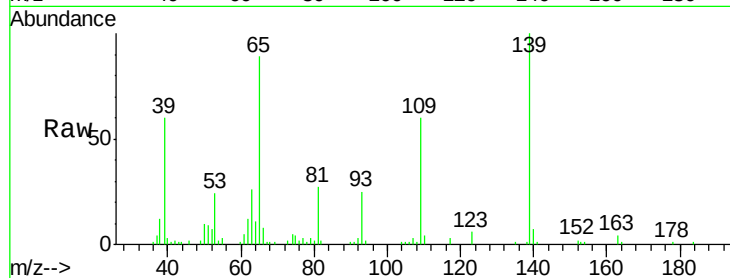
Tot Ion:139 Resp: 99171

Ion Ratio Lower Upper

139 100

109 59.8 46.9 86.9

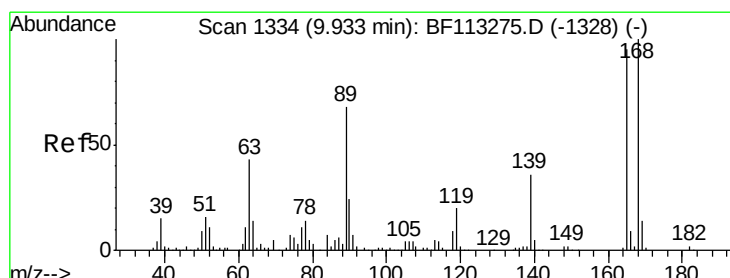
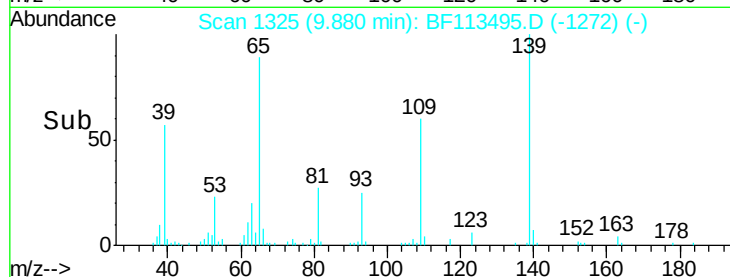
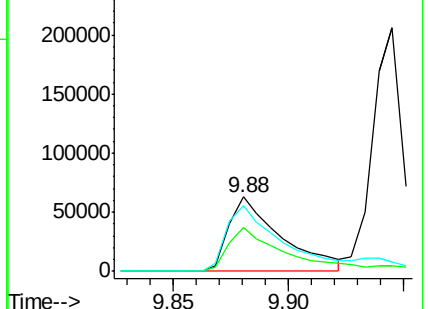
65 89.2 77.2 117.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 17.430 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Tgt Ion:165 Resp: 99158

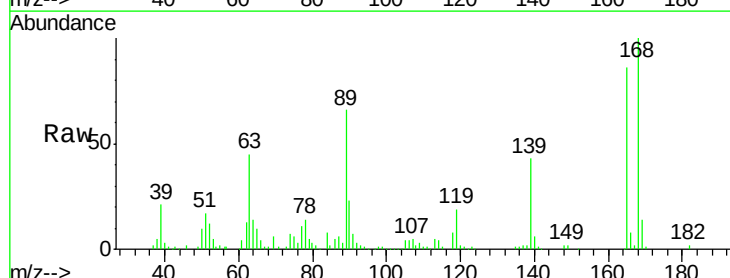
Ion Ratio Lower Upper

165 100

63 51.9 37.5 56.3

89 77.2 57.4 86.2

182 2.6 2.0 3.0

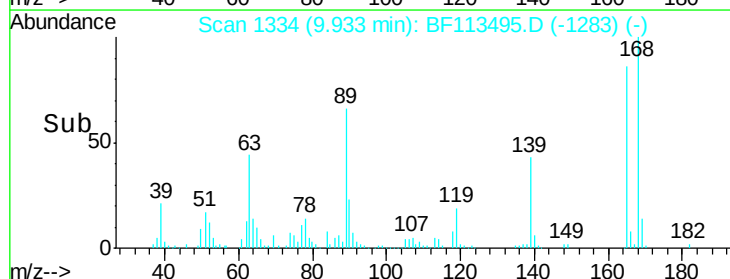
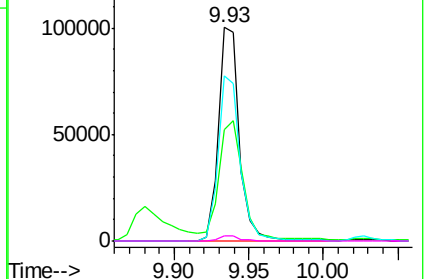


Abundance Ion 165.00 (164.70 to 165.70): E

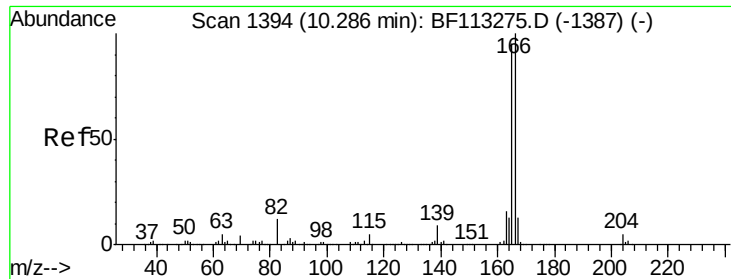
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E







#58

Fluorene

Concen: 21.191 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

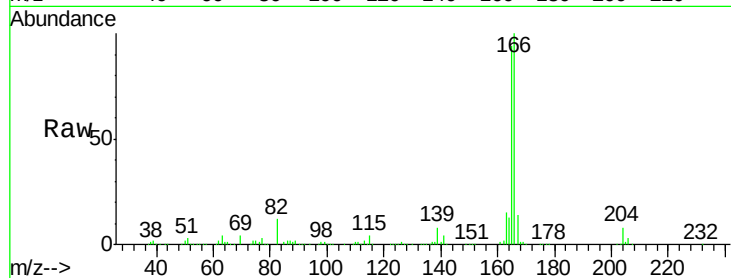
Tot Ion:166 Resp: 387732

Ion Ratio Lower Upper

166 100

165 94.3 76.2 114.2

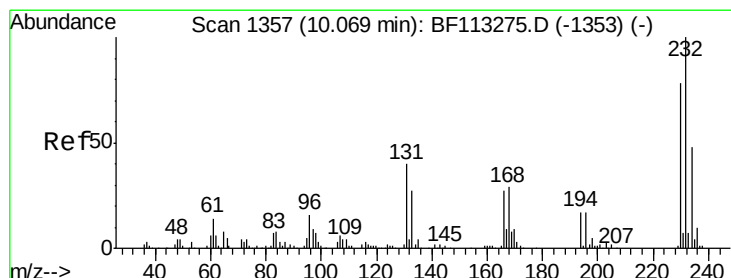
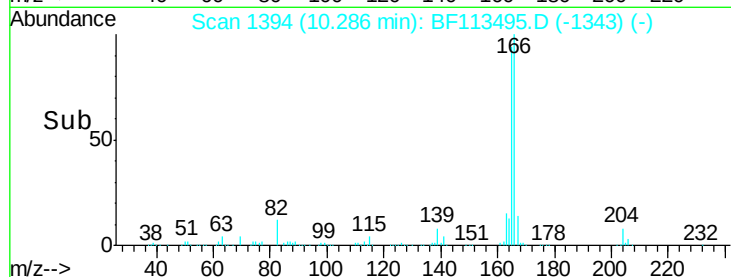
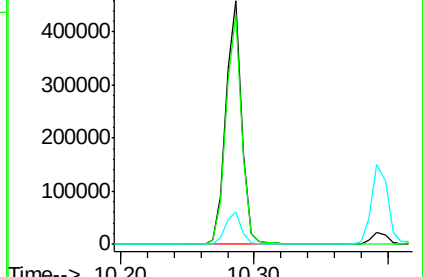
167 13.6 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 18.855 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Tgt Ion:232 Resp: 98694

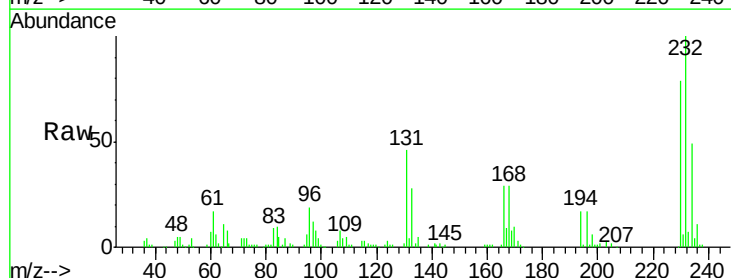
Ion Ratio Lower Upper

232 100

131 41.1 33.2 49.8

130 1.7 1.6 2.4

166 26.2 21.0 31.6

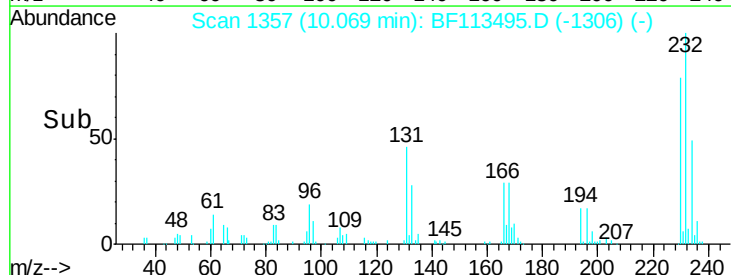
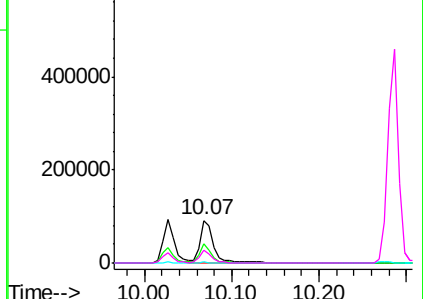


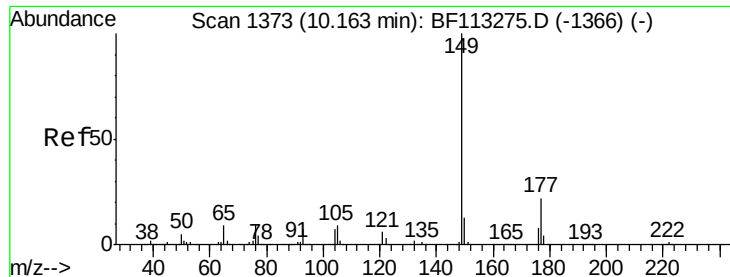
Abundance Ion 232.00 (231.70 to 232.70): E

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: 21.464 ng

RT: 10.16 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

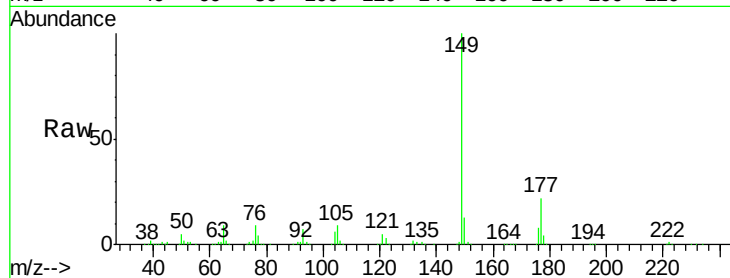
Tot Ion:149 Resp: 417523

Ion Ratio Lower Upper

149 100

177 21.9 17.4 26.0

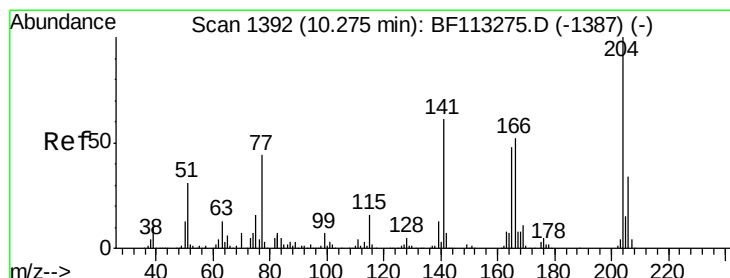
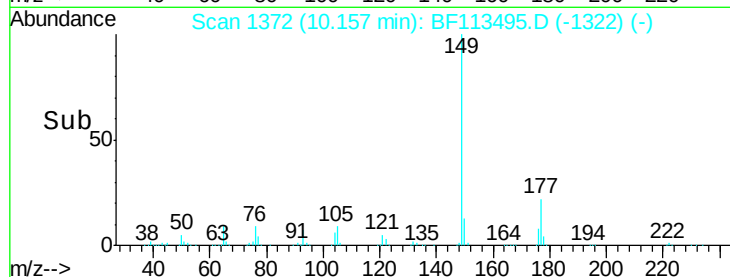
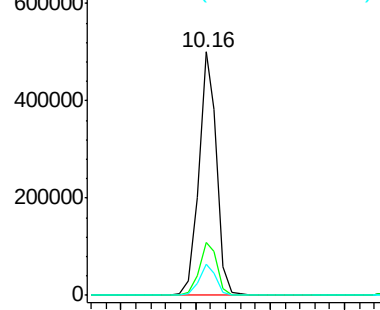
150 12.6 10.0 15.0



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: 22.240 ng

RT: 10.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

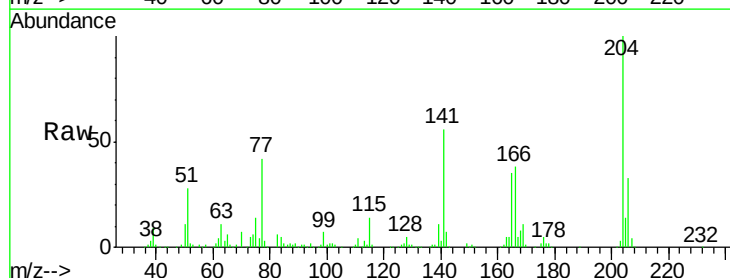
Tgt Ion:204 Resp: 198331

Ion Ratio Lower Upper

204 100

206 32.5 26.9 40.3

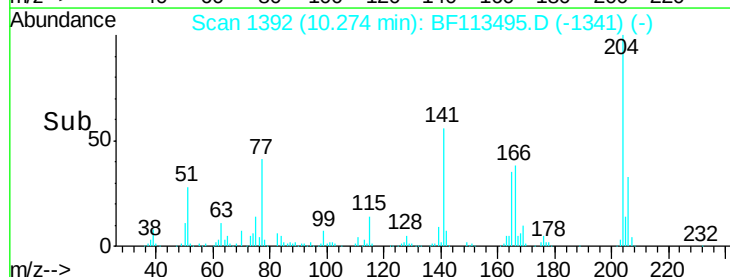
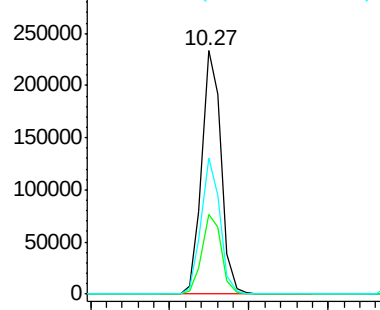
141 56.1 48.8 73.2

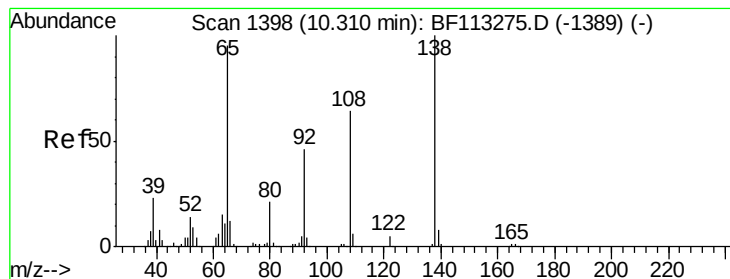


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

4-Nitroaniline

Concen: 21.458 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampled :

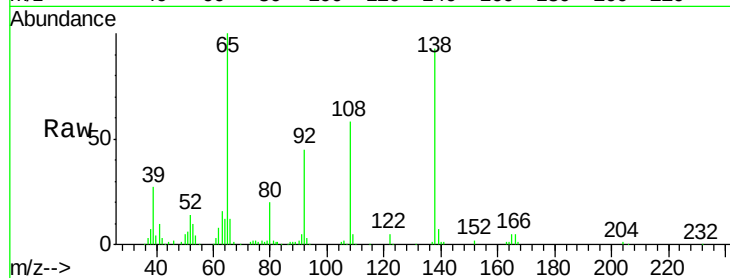
Tot Ion:138 Resp: 111454

Ion Ratio Lower Upper

138 100

92 48.1 25.8 65.8

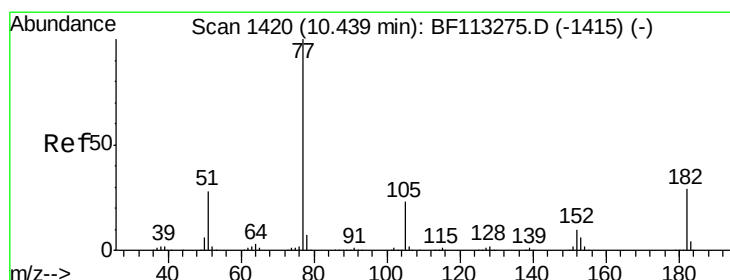
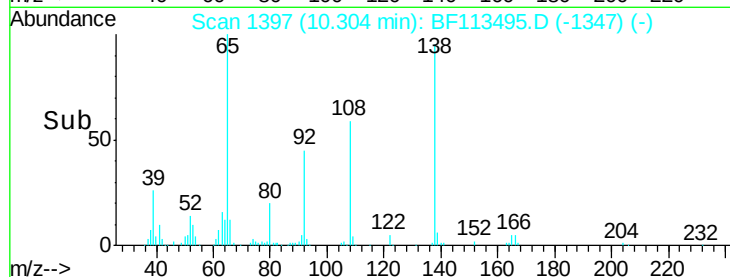
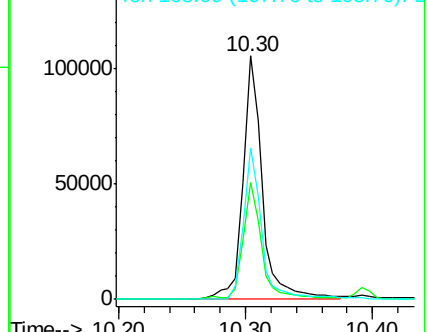
108 62.1 44.0 84.0



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: 20.224 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Tgt Ion: 77 Resp: 370315

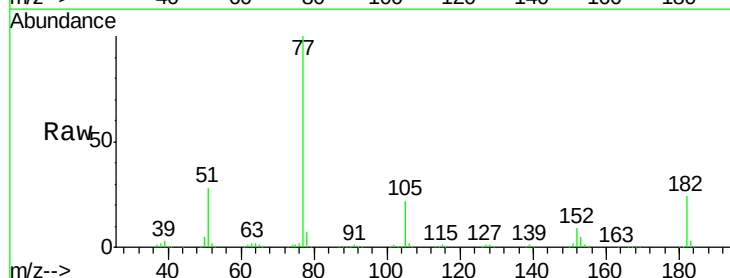
Ion Ratio Lower Upper

77 100

182 23.6 8.7 48.7

105 22.3 2.9 42.9

51 27.8 8.8 48.8

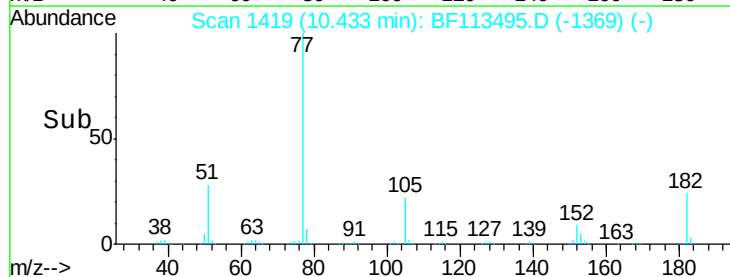
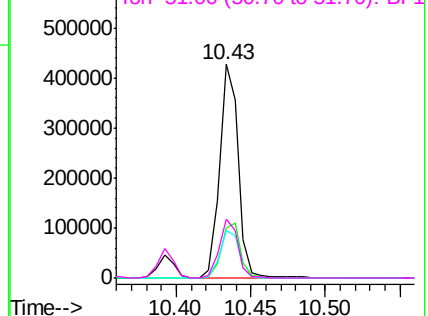


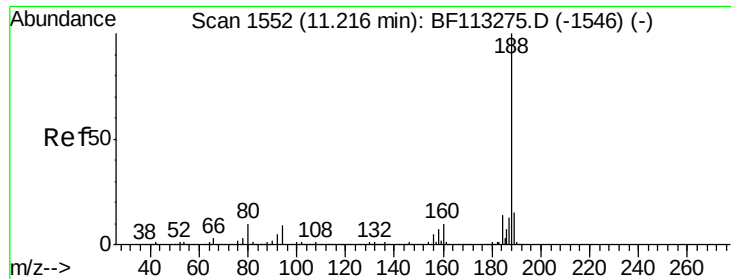
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

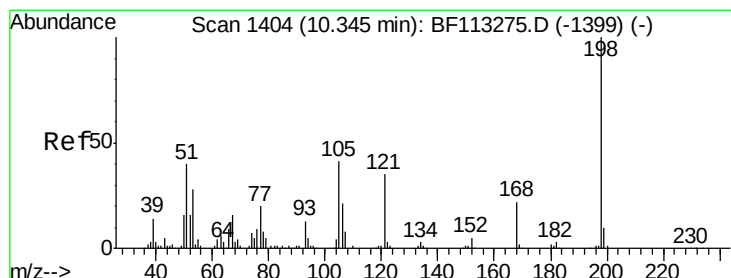
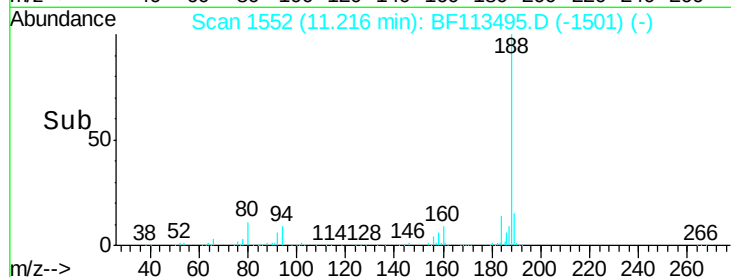
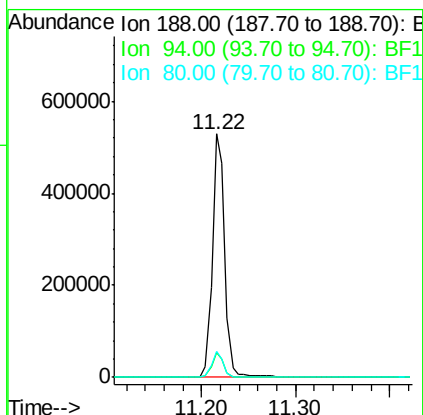
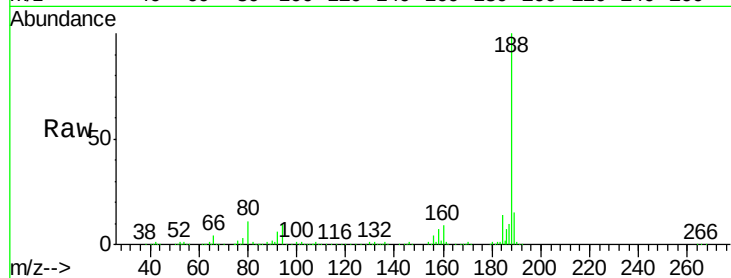




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

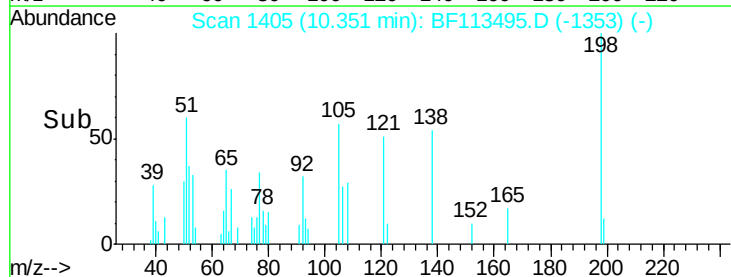
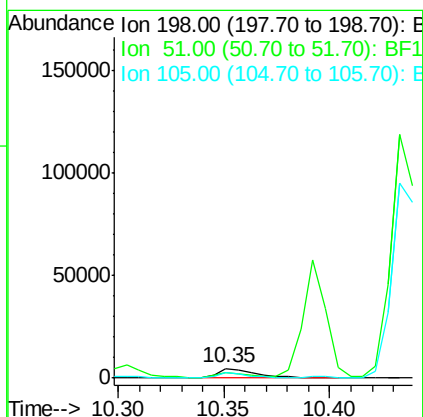
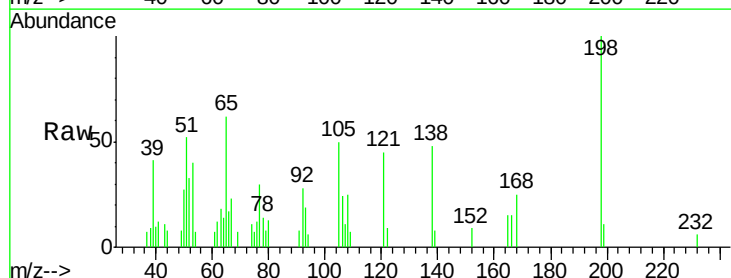
Instrument :  
 BNA\_F  
 ClientSampleId :

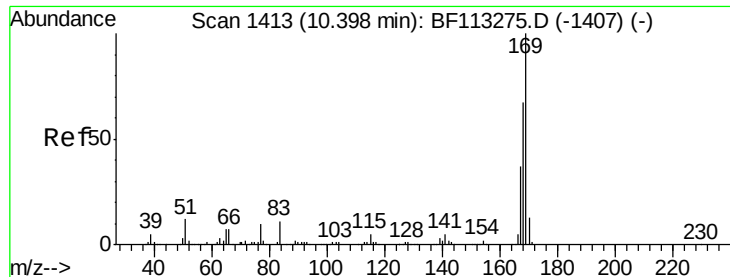
Tot Ion:188 Resp: 494912  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 7.0 10.6  
 80 10.8 7.7 11.5



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.251 ng  
 RT: 10.35 min Scan# 1405  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Tgt Ion:198 Resp: 6093  
 Ion Ratio Lower Upper  
 198 100  
 51 52.5 21.6 61.6  
 105 49.7 20.6 60.6

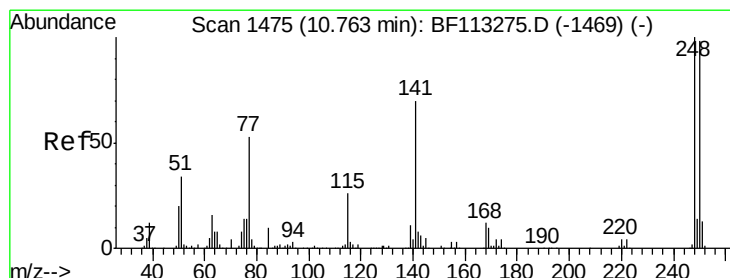
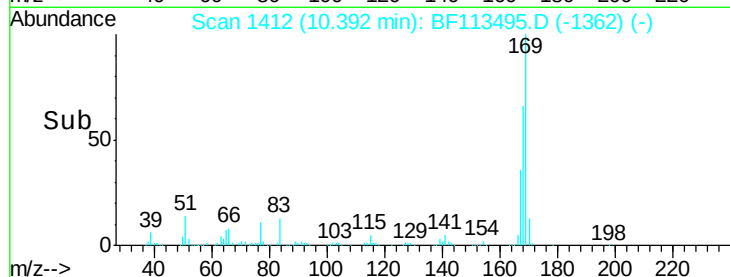
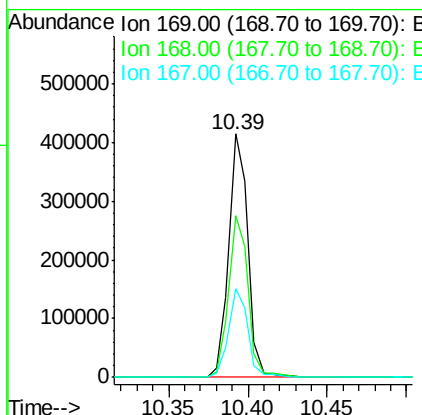
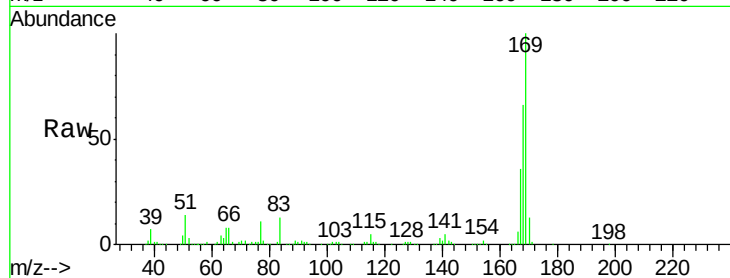




#66  
 n-Nitrosodiphenylamine  
 Concen: 22.898 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. -0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

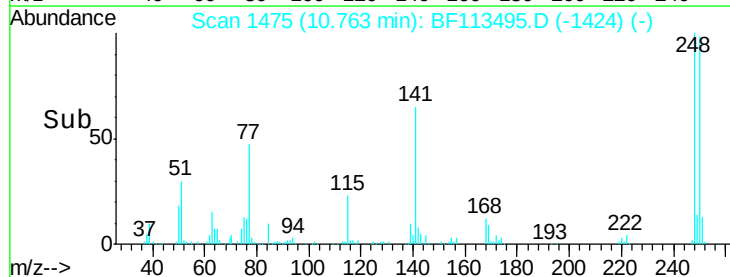
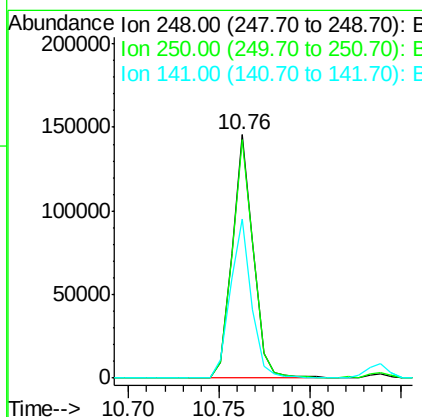
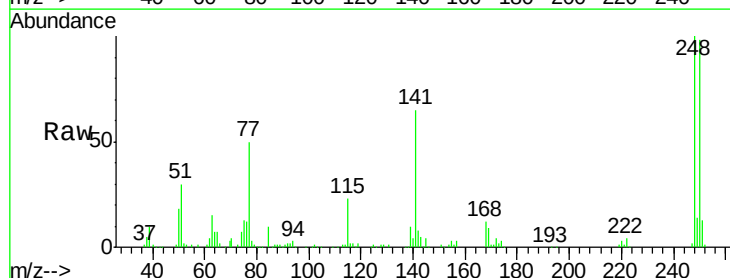
Instrument :  
 BNA\_F  
 ClientSampleId :

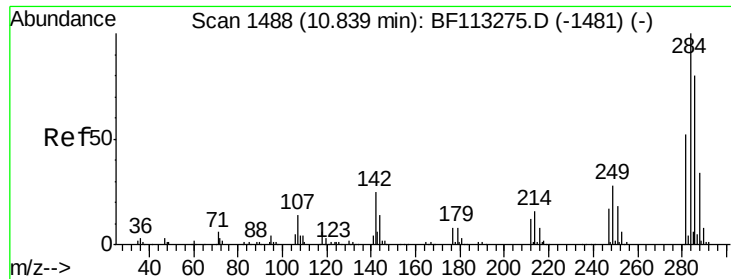
Tot Ion:169 Resp: 347745  
 Ion Ratio Lower Upper  
 169 100  
 168 66.3 53.7 80.5  
 167 36.2 29.5 44.3



#67  
 4-Bromophenyl-phenylether  
 Concen: 21.971 ng  
 RT: 10.76 min Scan# 1475  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Tgt Ion:248 Resp: 118512  
 Ion Ratio Lower Upper  
 248 100  
 250 98.0 78.3 117.5  
 141 65.2 56.2 84.4

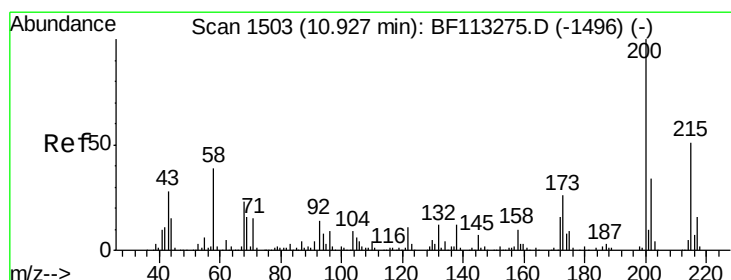
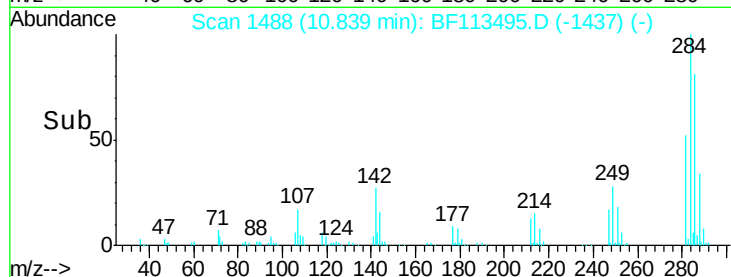
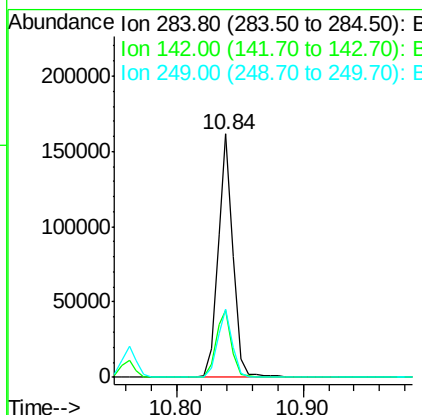
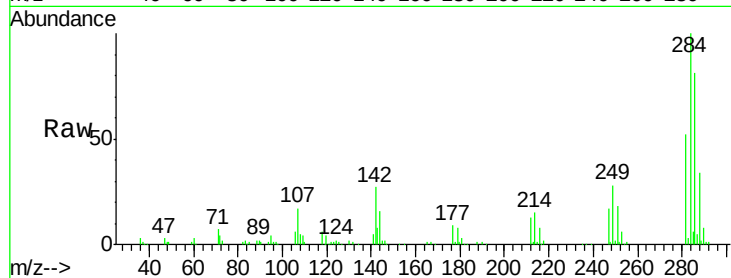




#68  
Hexachlorobenzene  
Concen: 21.248 ng  
RT: 10.84 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

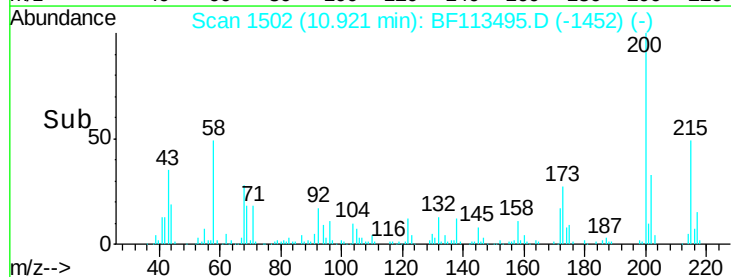
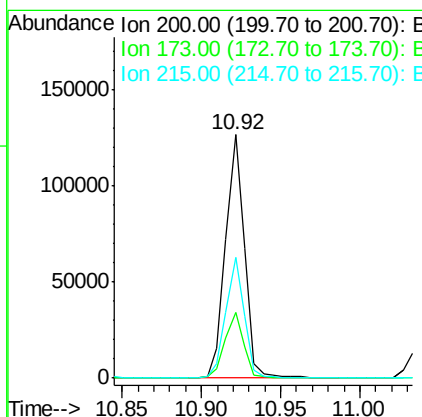
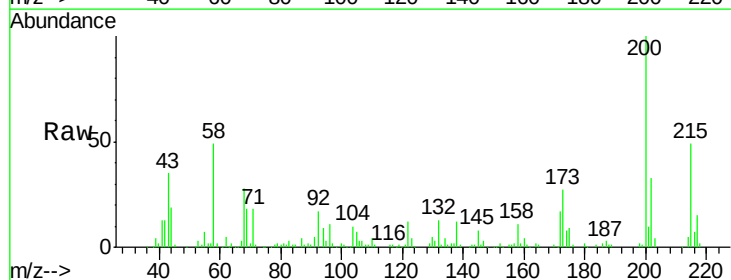
Instrument :  
BNA\_F  
ClientSampleId :

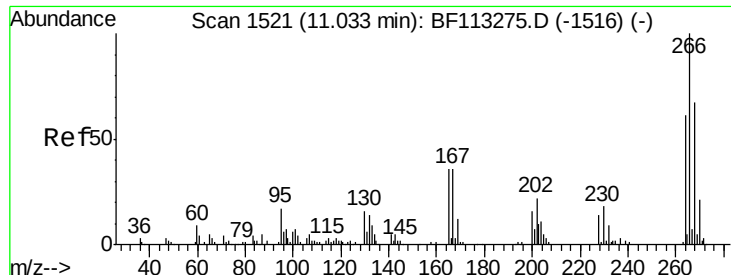
Tot Ion:284 Resp: 133038  
Ion Ratio Lower Upper  
284 100  
142 27.4 20.1 30.1  
249 27.8 22.7 34.1



#69  
Atrazine  
Concen: 21.898 ng  
RT: 10.92 min Scan# 1502  
Delta R.T. -0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion:200 Resp: 104967  
Ion Ratio Lower Upper  
200 100  
173 27.1 6.0 46.0  
215 49.4 31.3 71.3

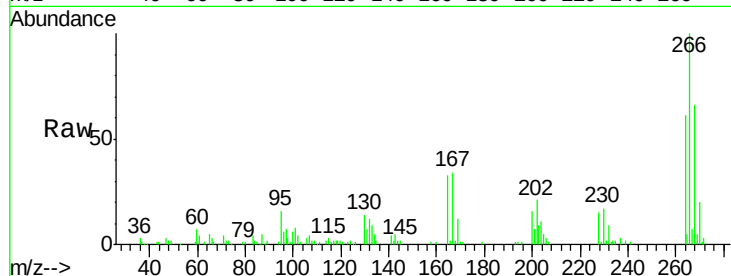




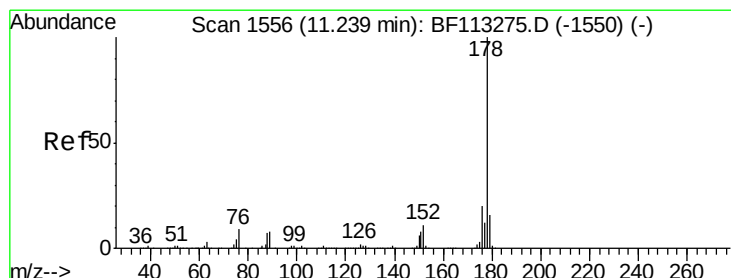
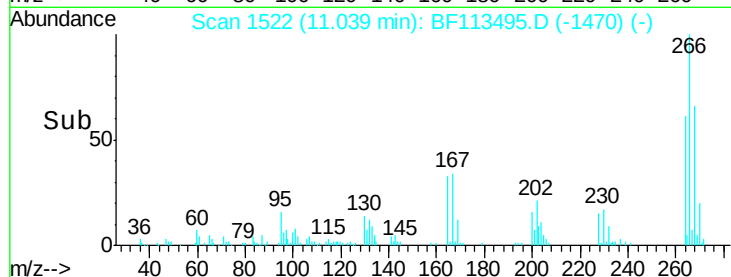
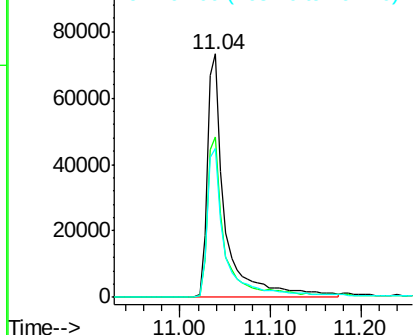
#70  
 Pentachlorophenol  
 Concen: 31.163 ng  
 RT: 11.04 min Scan# 1522  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:266 Resp: 101656  
 Ion Ratio Lower Upper  
 266 100  
 268 65.8 53.8 80.6  
 264 61.2 49.2 73.8

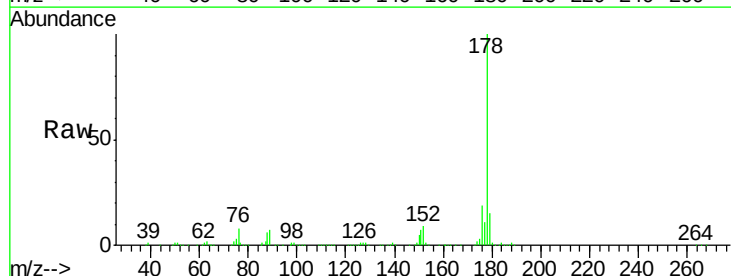


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

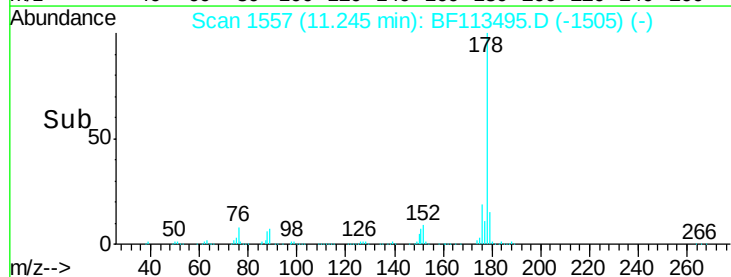
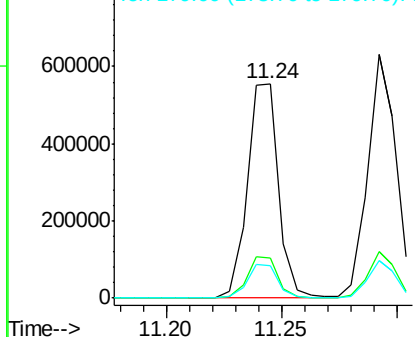


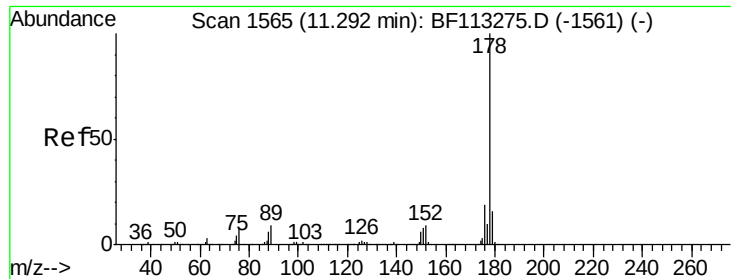
#71  
 Phenanthrene  
 Concen: 21.392 ng  
 RT: 11.24 min Scan# 1557  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Tgt Ion:178 Resp: 525754  
 Ion Ratio Lower Upper  
 178 100  
 176 18.8 16.2 24.2  
 179 15.1 12.7 19.1



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





#72

Anthracene

Concen: 22.391 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

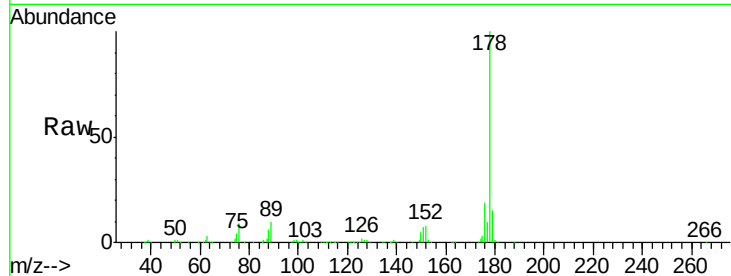
Tot Ion:178 Resp: 558979

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.9  | 15.4  | 23.2  |
| 179 | 15.2  | 12.8  | 19.2  |

178 100

176 18.9 15.4 23.2

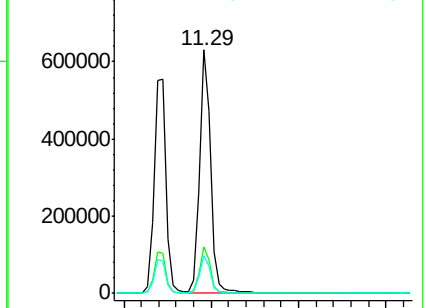
179 15.2 12.8 19.2



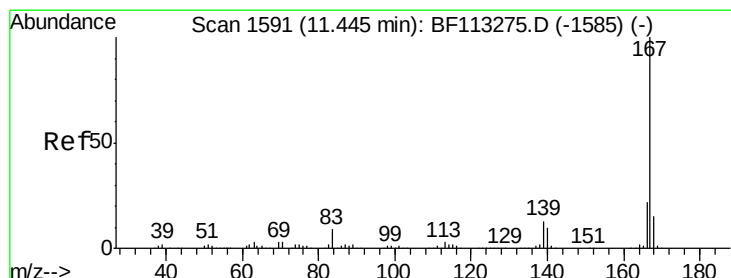
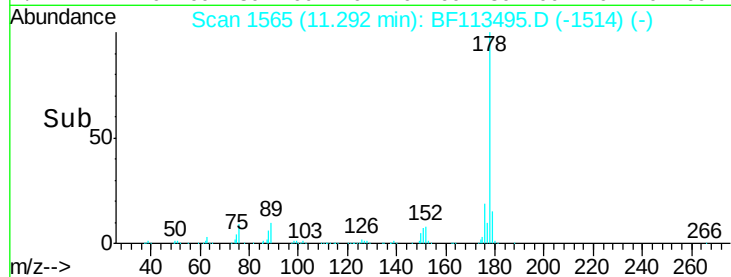
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Carbazole

Concen: 21.380 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

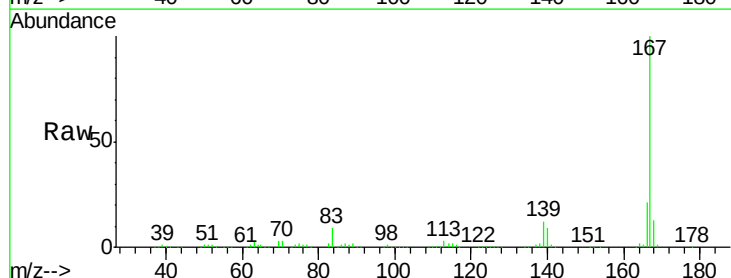
Tgt Ion:167 Resp: 509294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.1  | 17.4  | 26.0  |
| 139 | 12.1  | 10.4  | 15.6  |

167 100

166 21.1 17.4 26.0

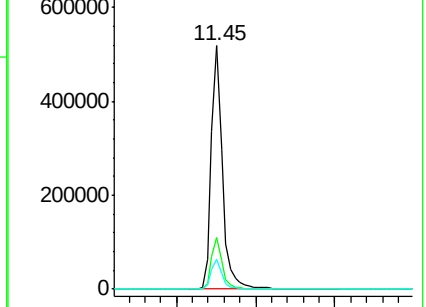
139 12.1 10.4 15.6



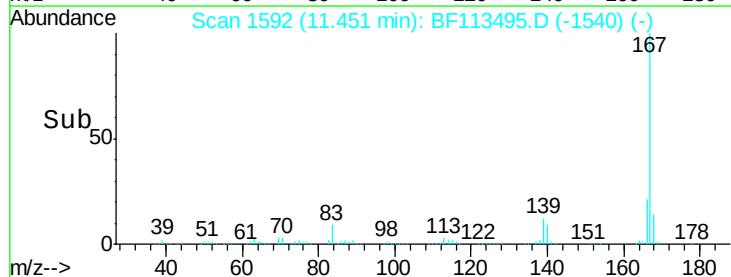
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

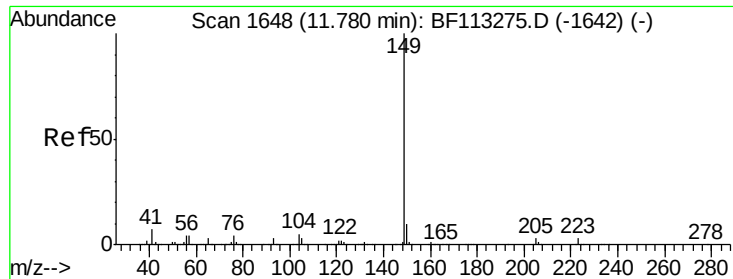
Ion 139.00 (138.70 to 139.70): E



Time-->







#74

Di-n-butylphthalate

Concen: 23.349 ng

RT: 11.78 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampled :

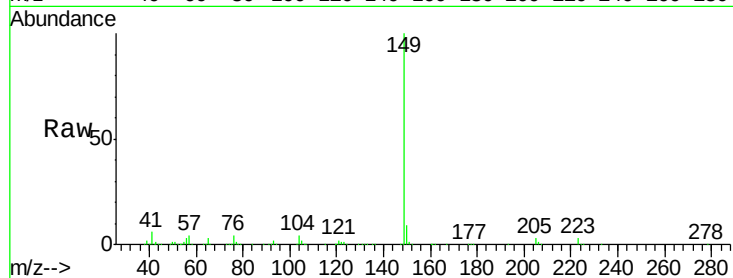
Tot Ion:149 Resp: 644999

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

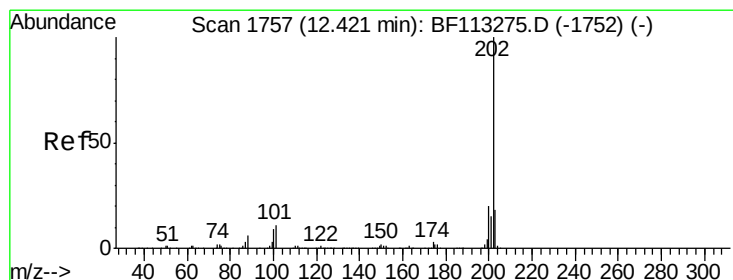
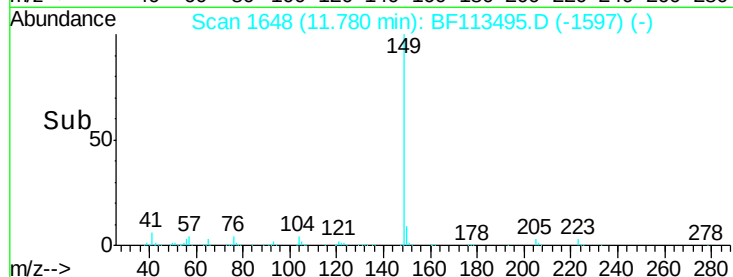
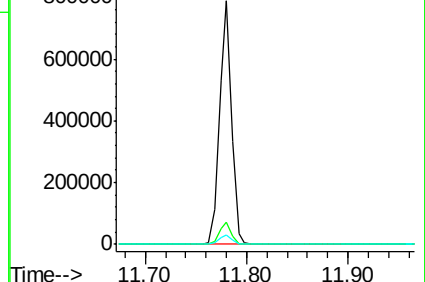
104 4.0 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 21.066 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

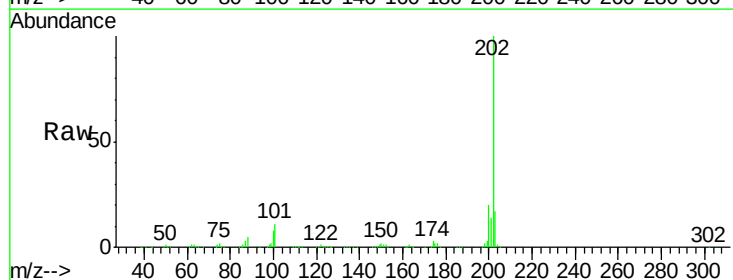
Tgt Ion:202 Resp: 585313

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

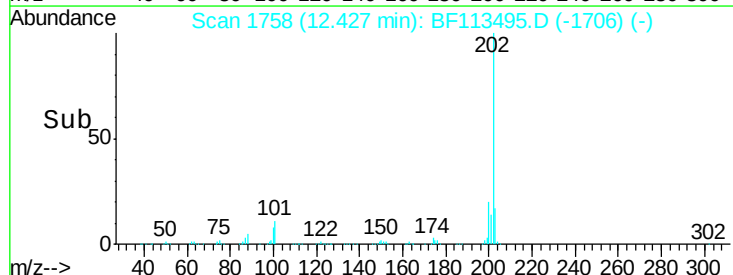
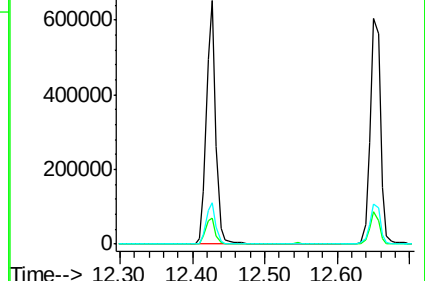
203 17.2 0.0 38.0

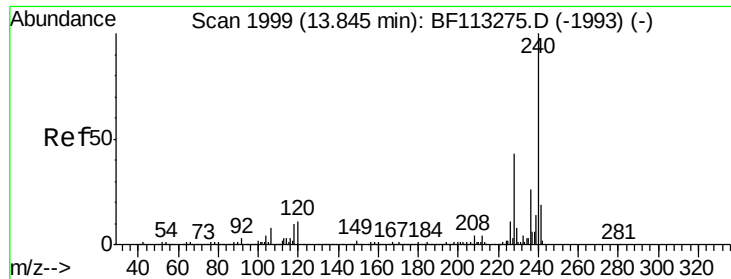


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

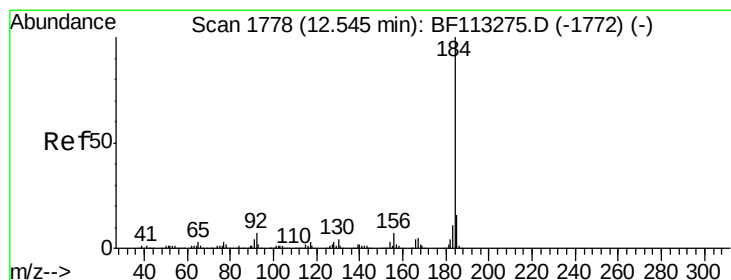
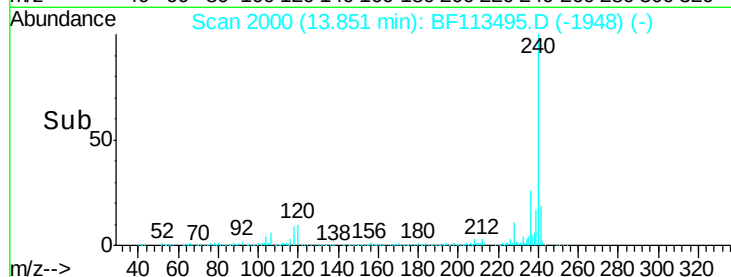
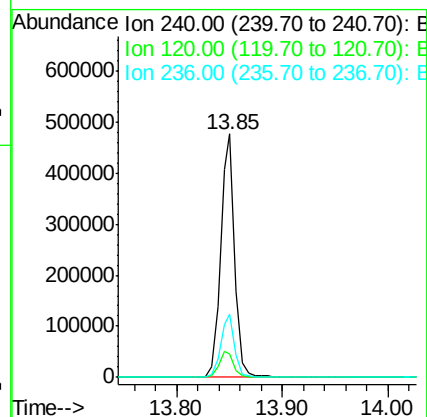
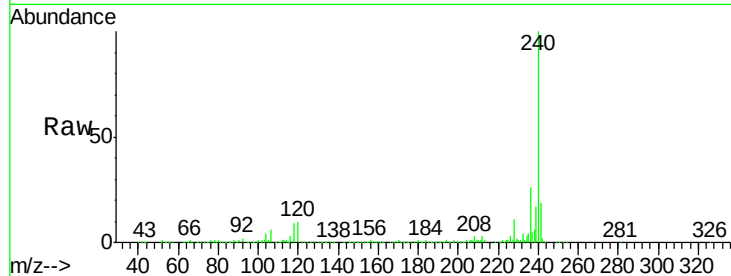




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 13.85 min Scan# 2000  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

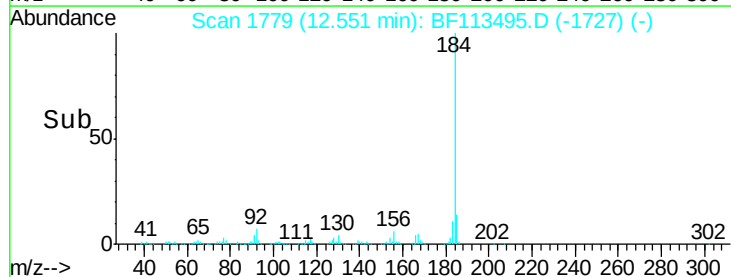
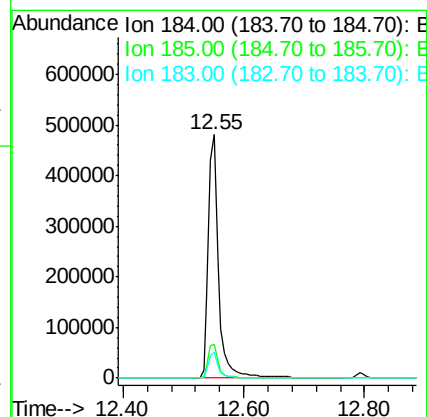
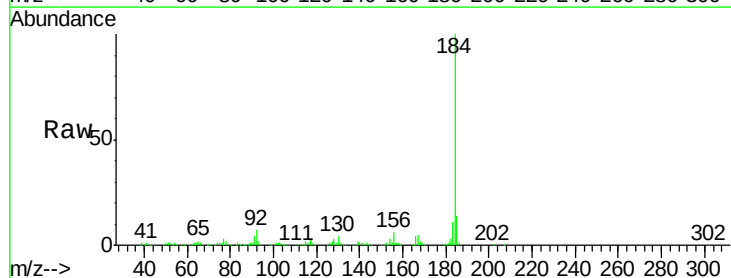
Instrument :  
 BNA\_F  
 ClientSampleId :

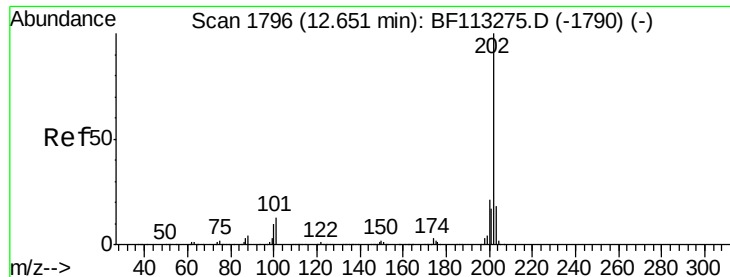
Tot Ion:240 Resp: 447823  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 8.8 13.2  
 236 25.8 20.9 31.3



#77  
 Benzidine  
 Concen: 33.235 ng  
 RT: 12.55 min Scan# 1779  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Tgt Ion:184 Resp: 569961  
 Ion Ratio Lower Upper  
 184 100  
 185 13.9 13.0 19.6  
 183 10.7 9.0 13.4





#78

Pvrene

Concen: 19.332 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

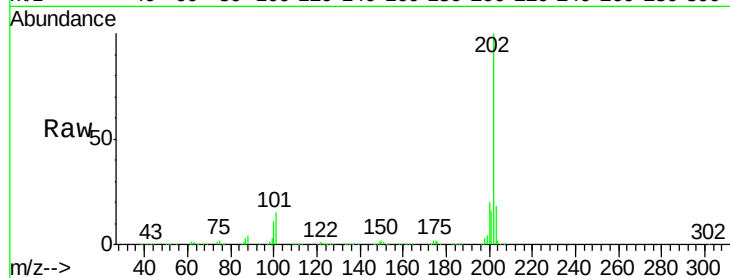
Tot Ion:202 Resp: 599919

Ion Ratio Lower Upper

202 100

200 20.0 16.8 25.2

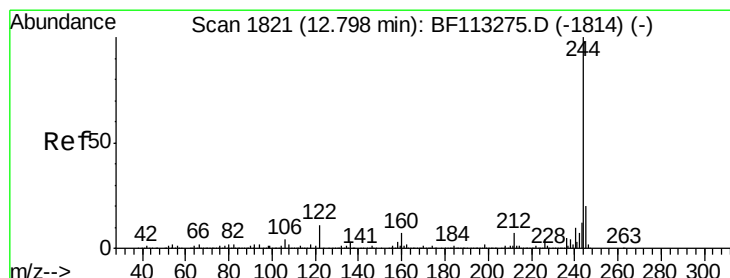
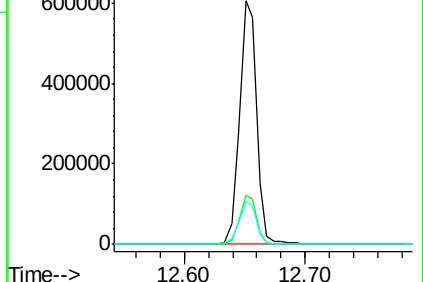
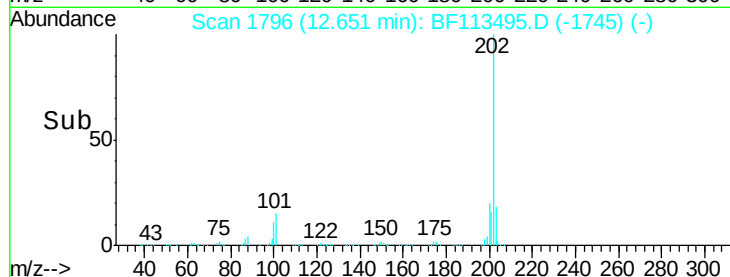
203 17.8 14.4 21.6



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: 38.207 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

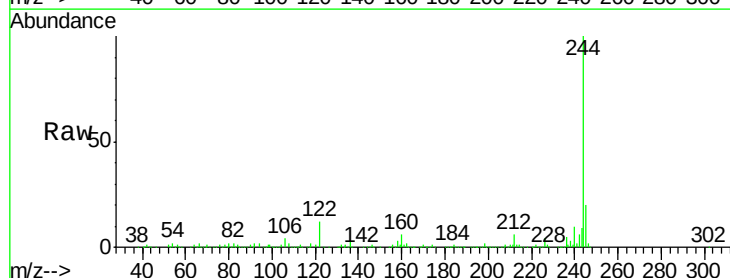
Tgt Ion:244 Resp: 776248

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

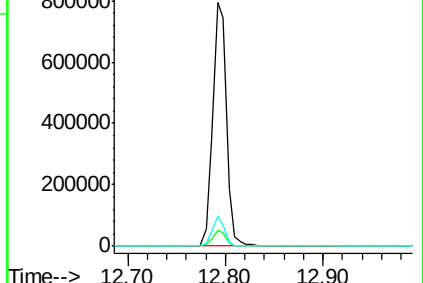
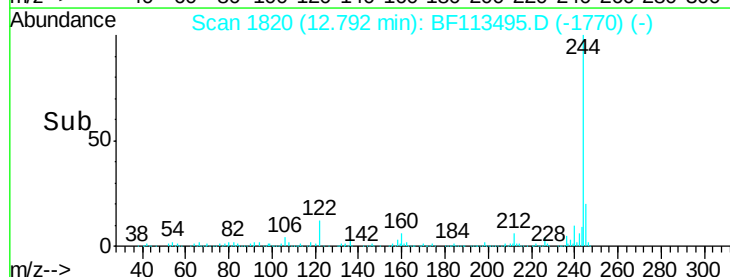
122 12.1 8.6 13.0

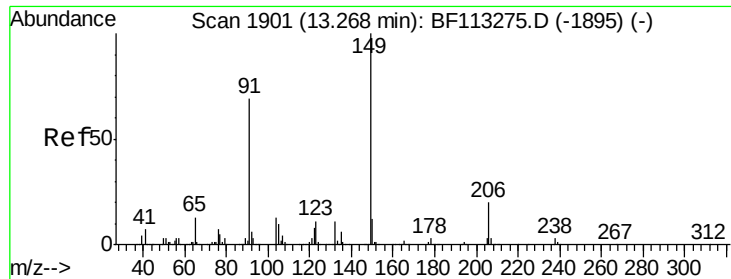


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

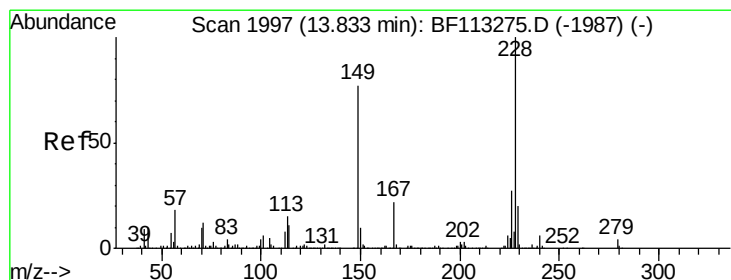
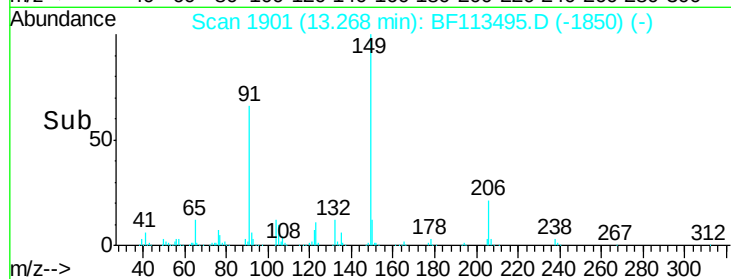
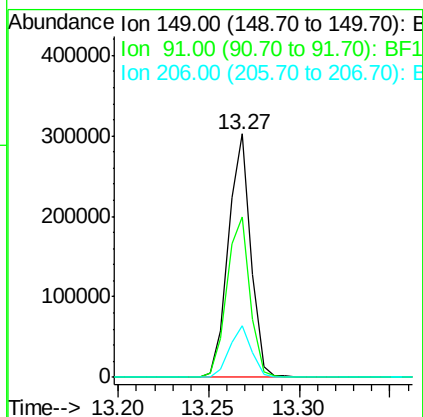
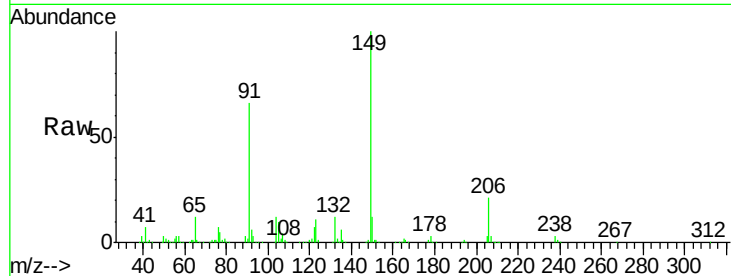




#80  
Butylbenzylphthalate  
Concen: 19.032 ng  
RT: 13.27 min Scan# 1901  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

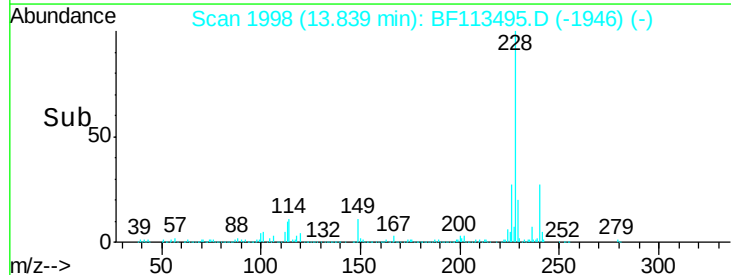
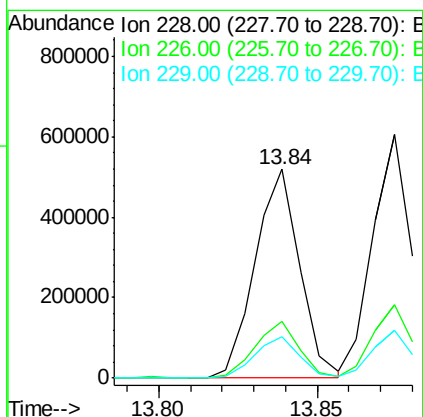
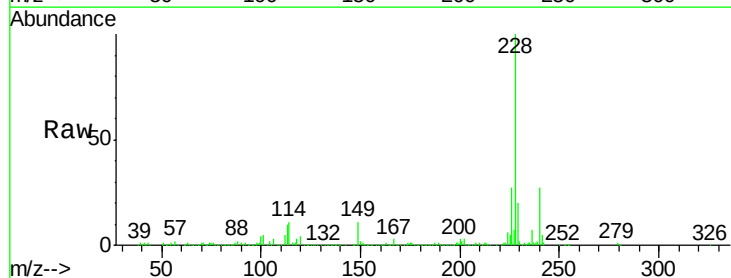
Instrument :  
BNA\_F  
ClientSampleId :

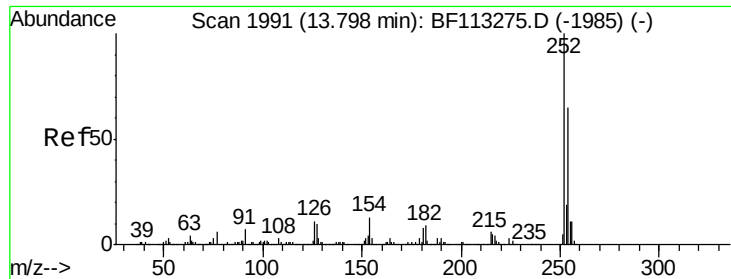
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 66.1  | 55.2  | 82.8  |
| 206     | 21.3  | 16.1  | 24.1  |



#81  
Benzo(a)anthracene  
Concen: 19.790 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. 0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 21.8  | 32.8  |
| 229     | 19.8  | 16.2  | 24.4  |

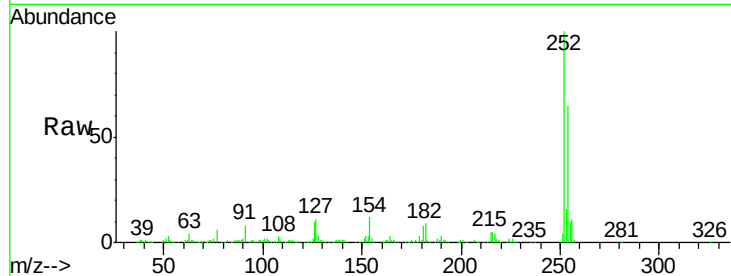




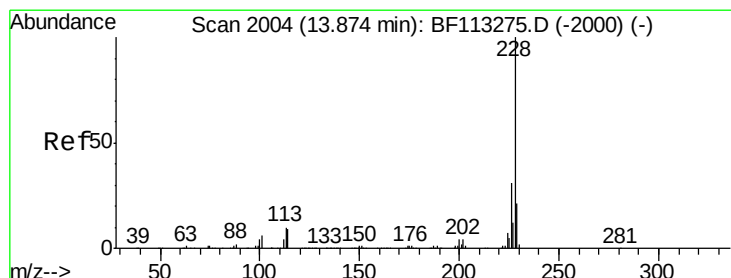
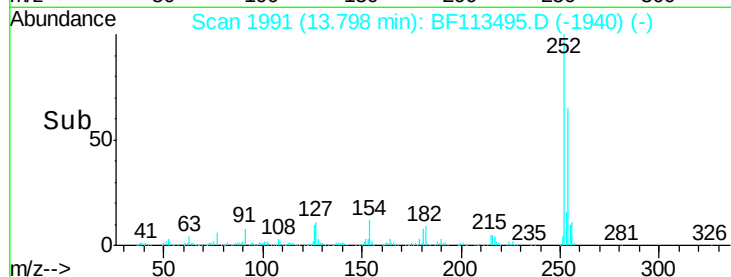
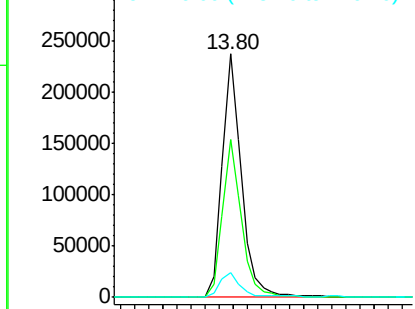
#82  
 3,3'-Dichlorobenzidine  
 Concen: 21.995 ng  
 RT: 13.80 min Scan# 1991  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.8  | 52.2  | 78.2  |
| 126     | 10.4  | 8.5   | 12.7  |

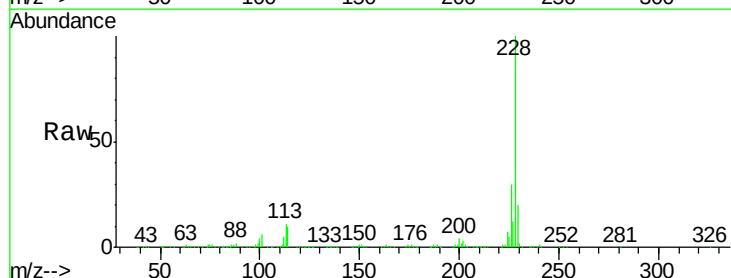


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

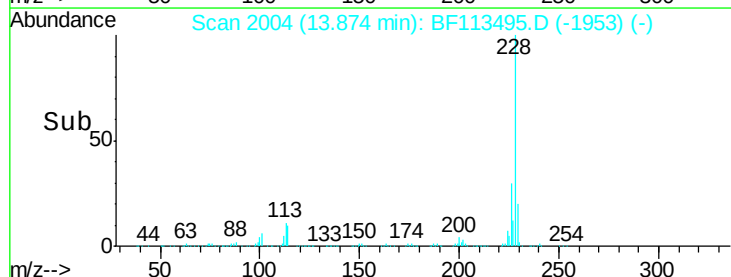
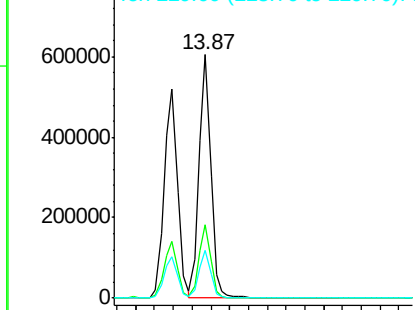


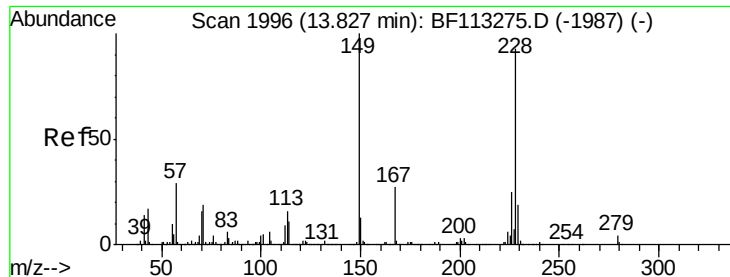
#83  
 Chrysene  
 Concen: 20.306 ng  
 RT: 13.87 min Scan# 2004  
 Delta R.T. -0.00 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 24.3  | 36.5  |
| 229     | 19.6  | 16.3  | 24.5  |



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.299 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

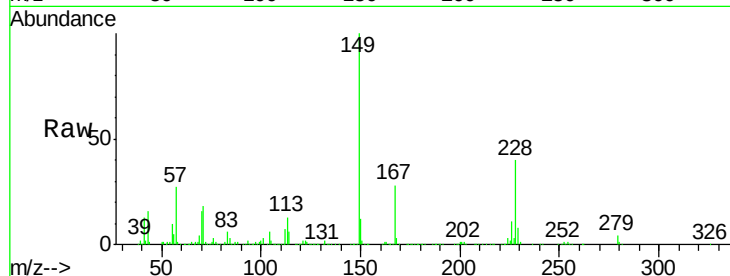
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:149 Resp: 357094

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.9  | 21.8  | 32.8  |
| 279 | 4.1   | 2.9   | 4.3   |

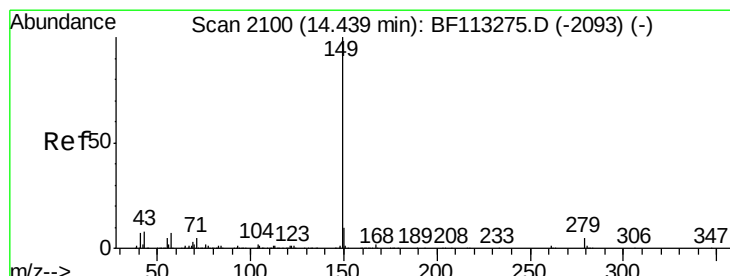
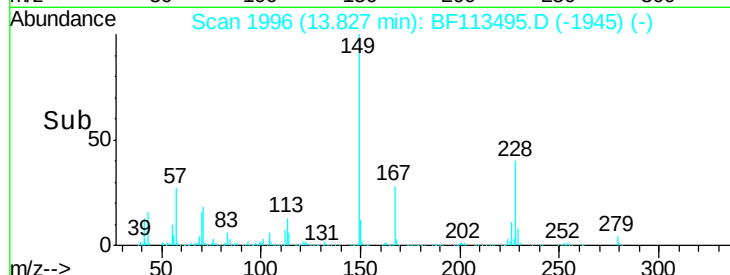
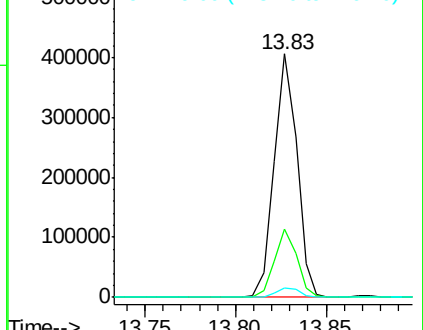


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 22.532 ng

RT: 14.43 min Scan# 2099

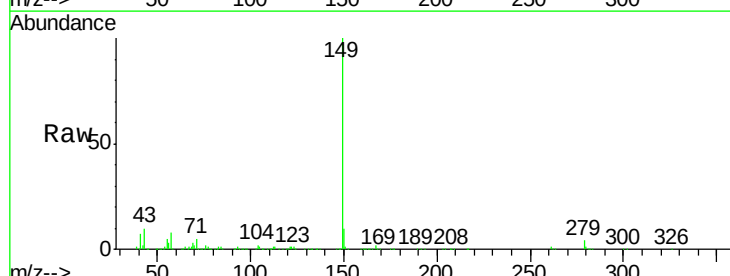
Delta R.T. -0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Tgt Ion:149 Resp: 641227

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.3   | 1.9   |
| 43  | 9.5   | 7.7   | 11.5  |

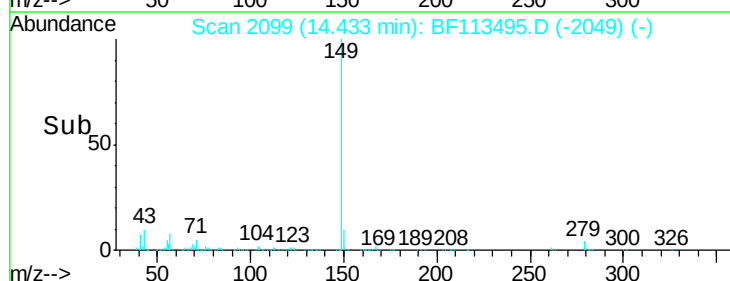
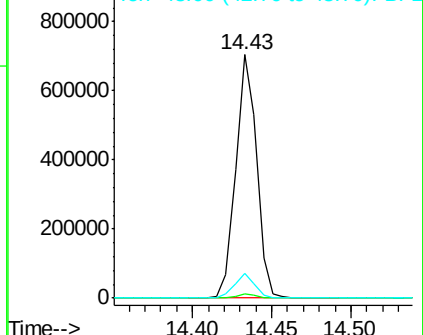


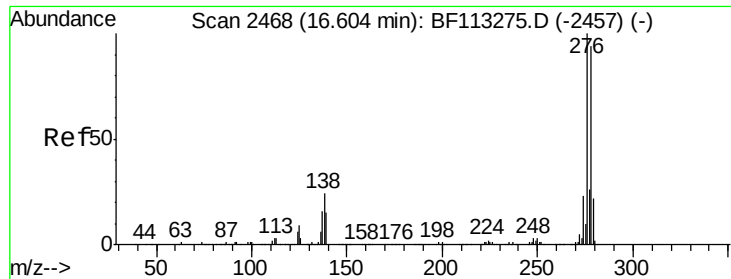
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

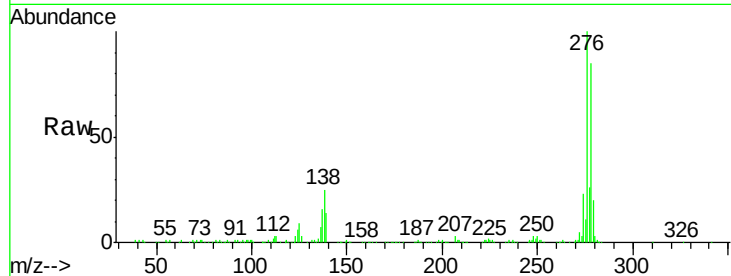




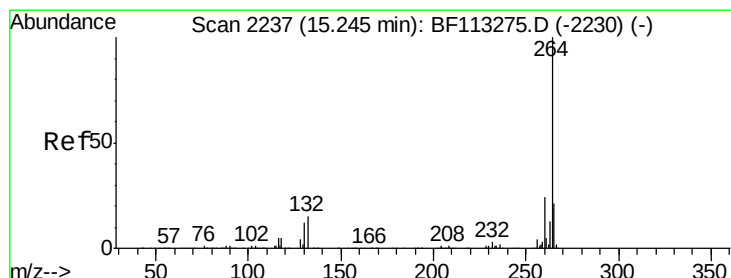
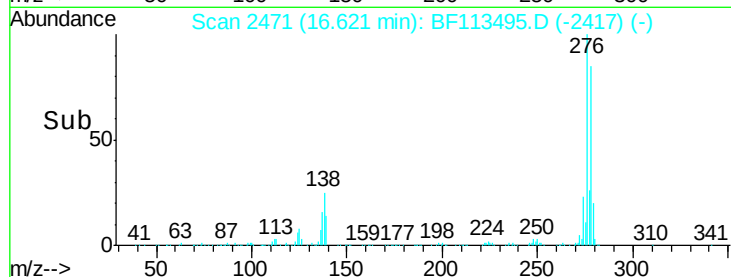
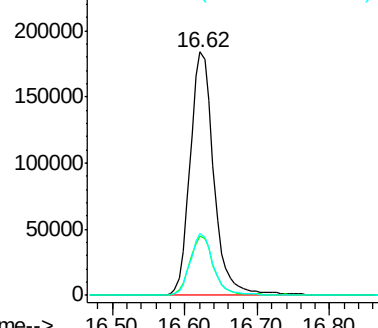
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 18.812 ng  
 RT: 16.62 min Scan# 2471  
 Delta R.T. 0.02 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.2  | 18.1  | 27.1  |
| 277     | 24.7  | 20.2  | 30.4  |

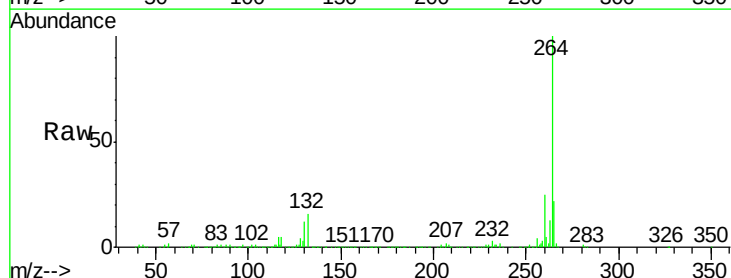


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

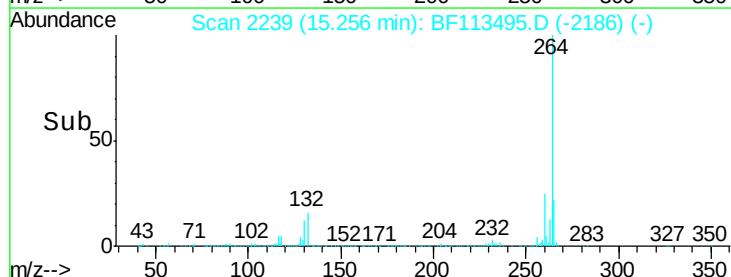
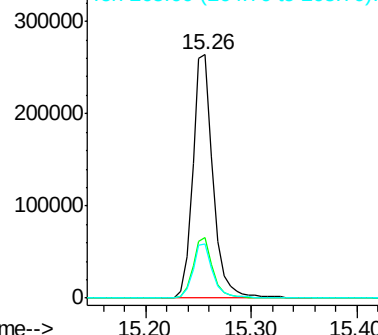


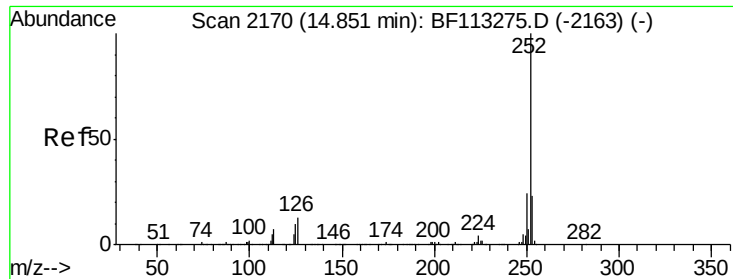
#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.26 min Scan# 2239  
 Delta R.T. 0.01 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.1  | 28.7  |
| 265     | 22.1  | 17.1  | 25.7  |



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

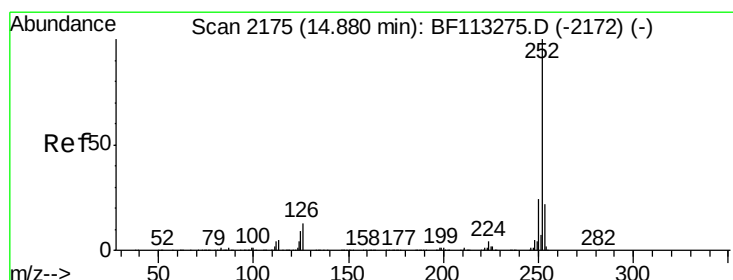
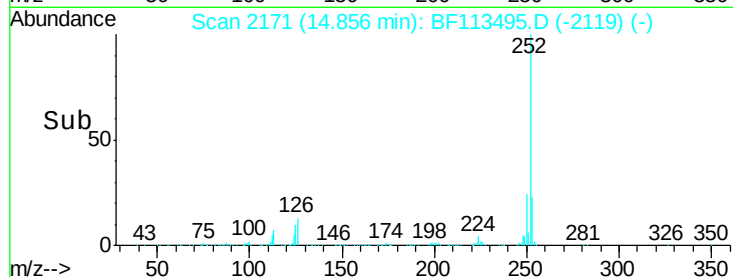
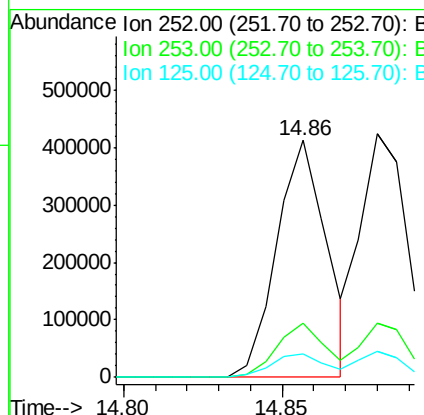
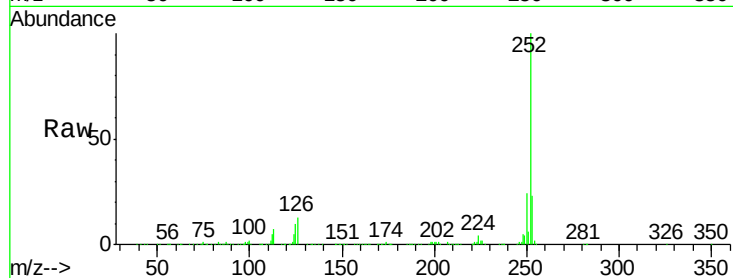




#88  
Benzo(b)fluoranthene  
Concen: 20.497 ng  
RT: 14.86 min Scan# 2171  
Delta R.T. 0.01 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

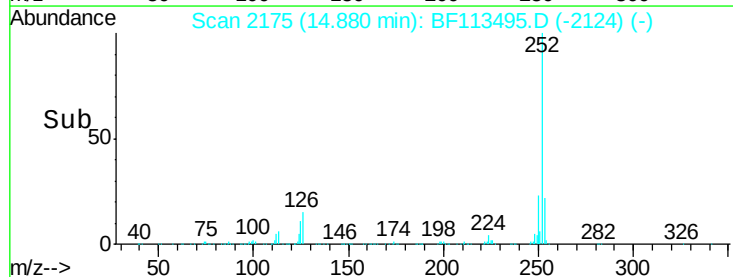
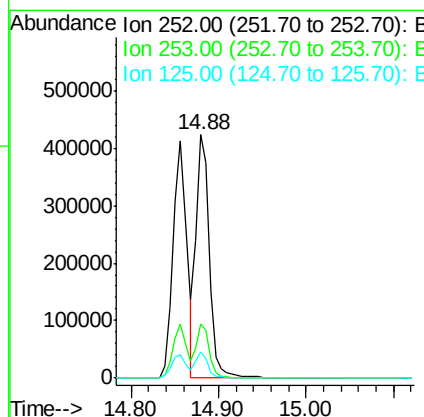
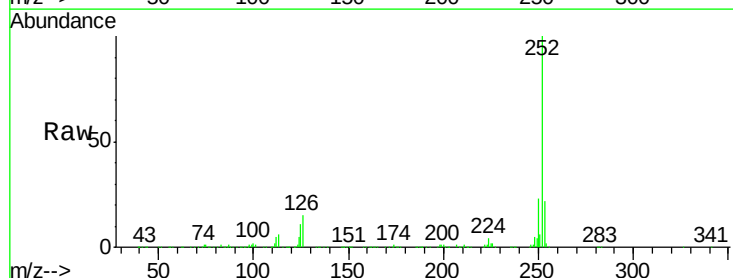
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 451783  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.0 27.0  
125 10.0 7.6 11.4

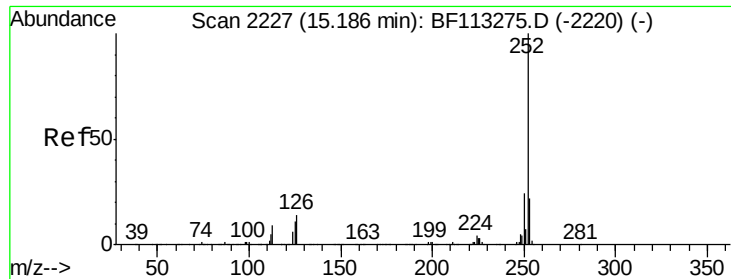


#89  
Benzo(k)fluoranthene  
Concen: 23.398 ng  
RT: 14.88 min Scan# 2175  
Delta R.T. -0.00 min  
Lab File: BF113495.D  
Acq: 2 Apr 2019 7:04

Tgt Ion:252 Resp: 452899  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 10.8 7.3 10.9







#90

Benzo(a)pyrene

Concen: 21.398 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

Instrument :

BNA\_F

ClientSampleId :

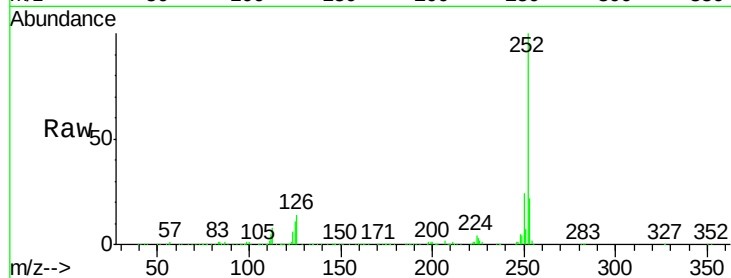
Tot Ion:252 Resp: 418132

Ion Ratio Lower Upper

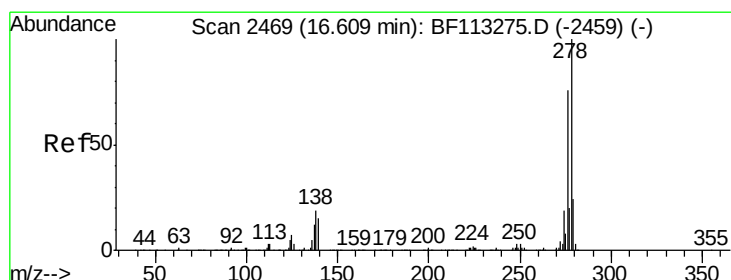
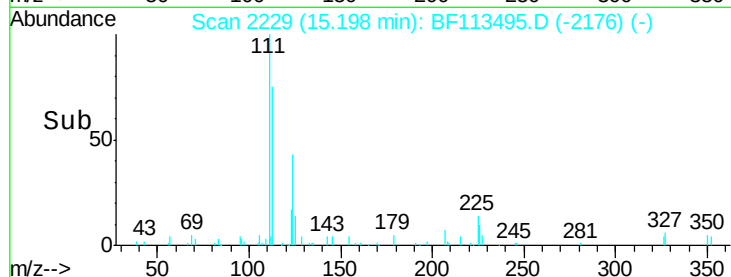
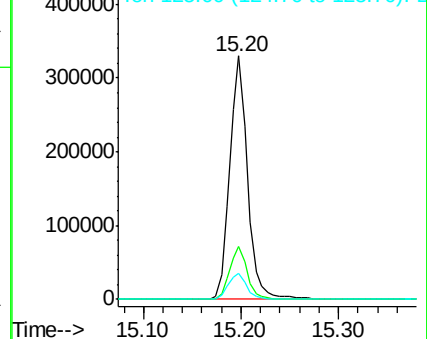
252 100

253 21.6 17.9 26.9

125 10.7 8.8 13.2



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: 21.410 ng

RT: 16.63 min Scan# 2472

Delta R.T. 0.02 min

Lab File: BF113495.D

Acq: 2 Apr 2019 7:04

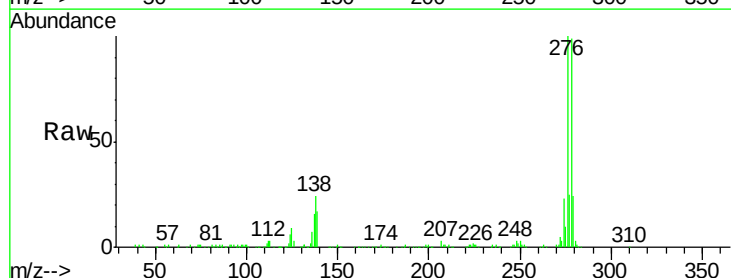
Tgt Ion:278 Resp: 361738

Ion Ratio Lower Upper

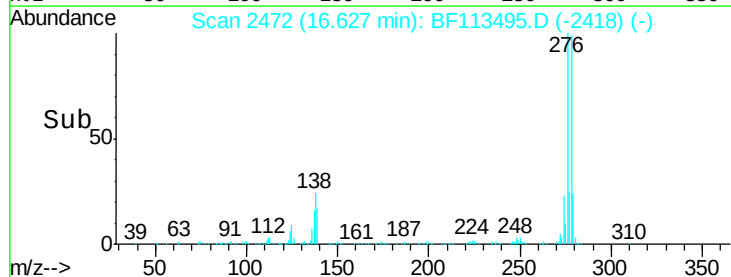
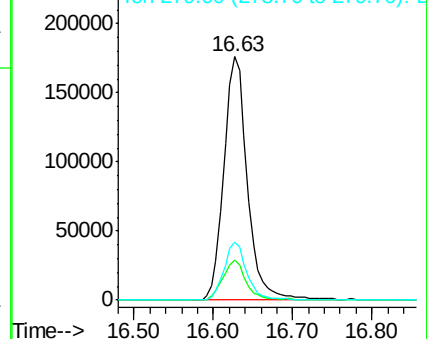
278 100

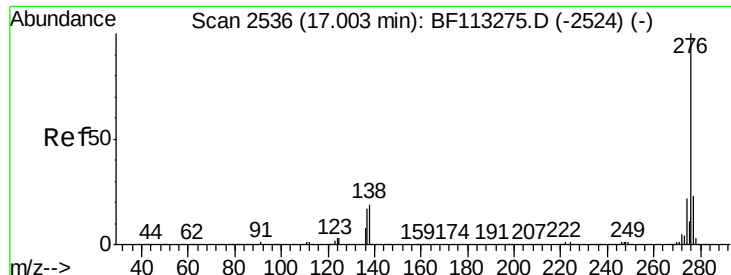
139 16.7 12.0 18.0

279 23.8 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

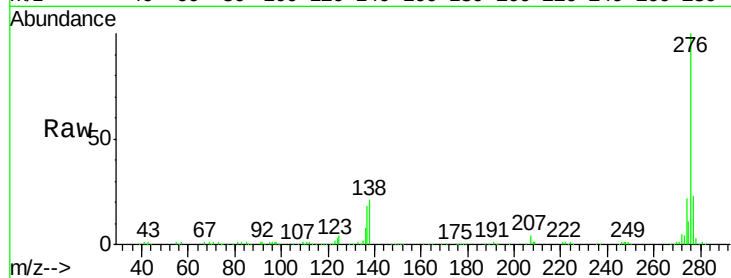




#92  
 Benzo(a,h,i)perylene  
 Concen: 20.636 ng  
 RT: 17.03 min Scan# 2541  
 Delta R.T. 0.03 min  
 Lab File: BF113495.D  
 Acq: 2 Apr 2019 7:04

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.6  | 18.8  | 28.2  |
| 138     | 20.9  | 15.6  | 23.4  |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 277.00 (276.70 to 277.70): E  
 Ion 138.00 (137.70 to 138.70): E

