

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\  
 Data File : BF117061.D  
 Acq On : 16 Sep 2019 14:24  
 Operator : HP/JU  
 Sample : K4871-02MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 17 05:11:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 58303    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 229734   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 115584   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 179519   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 111188   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.42 | 264  | 131445   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.45  | 112  | 222945   | 59.70  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 195886   | 40.59  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 398854   | 91.22  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 136891   | 141.71 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 673078   | 91.05  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 563503   | 94.73  | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.55 | 88   | 19523    | 12.494 | ng    | 98     |
| 3) Pyridine                    | 3.37 | 79   | 9228     | 2.158  | ng    | 90     |
| 4) n-Nitrosodimethylamine      | 3.23 | 42   | 19180    | 13.067 | ng    | 82     |
| 6) Aniline                     | 6.51 | 93   | 25474    | 4.100  | ng    | 93     |
| 8) 2-Chlorophenol              | 6.62 | 128  | 151604   | 37.631 | ng    | 95     |
| 9) Benzaldehyde                | 6.37 | 77   | 88409    | 35.631 | ng    | 98     |
| 10) Phenol                     | 6.47 | 94   | 97290    | 18.286 | ng    | 87     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93   | 172924   | 44.222 | ng    | 97     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146  | 158070   | 34.966 | ng    | 96     |
| 13) 1,4-Dichlorobenzene        | 6.84 | 146  | 165651   | 35.906 | ng    | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146  | 157313   | 36.624 | ng    | 96     |
| 15) Benzyl Alcohol             | 6.96 | 79   | 89170    | 24.094 | ng    | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45   | 156661   | 40.551 | ng    | 92     |
| 17) 2-Methylphenol             | 7.09 | 107  | 107354   | 31.795 | ng    | 94     |
| 18) Hexachloroethane           | 7.33 | 117  | 60321    | 33.987 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70   | 129516   | 44.071 | ng    | 94     |
| 20) 3+4-Methylphenols          | 7.23 | 107  | 118885   | 28.268 | ng    | # 70   |
| 22) Acetophenone               | 7.23 | 105  | 265010   | 45.403 | ng    | # 95   |
| 24) Nitrobenzene               | 7.40 | 77   | 198436   | 45.957 | ng    | 97     |
| 25) Isophorone                 | 7.64 | 82   | 354098   | 45.740 | ng    | 98     |
| 26) 2-Nitrophenol              | 7.72 | 139  | 93178    | 50.240 | ng    | 99     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122  | 140759   | 47.859 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93   | 210679   | 44.170 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162  | 142751   | 46.321 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.05 | 180  | 132186   | 39.702 | ng    | 99     |
| 31) Naphthalene                | 8.13 | 128  | 483216   | 43.735 | ng    | 100    |
| 32) Benzoic acid               | 7.85 | 122  | 33351    | 19.548 | ng    | 97     |
| 33) 4-Chloroaniline            | 8.19 | 127  | 75612    | 15.429 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.25 | 225  | 69495    | 36.790 | ng    | 98     |
| 35) Caprolactam                | 8.55 | 113  | 6335     | 6.073  | ng    | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107  | 153489   | 42.714 | ng    | 98     |
| 37) 2-Methylnaphthalene        | 8.82 | 142  | 334431   | 44.949 | ng    | 100    |
| 38) 1-Methylnaphthalene        | 8.91 | 142  | 312267   | 44.812 | ng    | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216  | 134508   | 45.066 | ng    | 97     |

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 Acq On : 16 Sep 2019 14:24  
 Operator : HP/JU  
 Sample : K4871-02MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

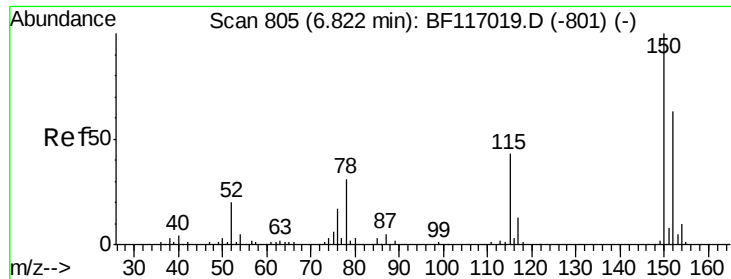
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 17 05:11:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 114378   | 86.039  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 96004    | 47.398  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.14  | 196  | 105869   | 48.921  | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 401217   | 44.253  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 315060   | 44.031  | ng    | 98       |
| 48) 2-Nitroaniline             | 9.40  | 65   | 103661   | 45.167  | ng    | 97       |
| 49) Acenaphthylene             | 9.72  | 152  | 499790   | 46.626  | ng    | 100      |
| 50) Dimethylphthalate          | 9.57  | 163  | 429829   | 52.521  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.64  | 165  | 83996    | 50.394  | ng    | 100      |
| 52) Acenaphthene               | 9.89  | 154  | 283766   | 44.659  | ng    | 96       |
| 53) 3-Nitroaniline             | 9.80  | 138  | 39904    | 18.975  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.92  | 184  | 65876    | 90.210  | ng    | 97       |
| 55) Dibenzofuran               | 10.06 | 168  | 448100   | 47.797  | ng    | 96       |
| 56) 4-Nitrophenol              | 9.99  | 139  | 41991    | 30.808  | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.05 | 165  | 114362   | 52.857  | ng    | 93       |
| 58) Fluorene                   | 10.40 | 166  | 358393   | 47.457  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232  | 80955    | 48.885  | ng    | # 99     |
| 60) Diethylphthalate           | 10.27 | 149  | 374569   | 46.521  | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 153648   | 47.024  | ng    | 97       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 57251    | 26.178  | ng    | 93       |
| 63) Azobenzene                 | 10.55 | 77   | 382775   | 46.548  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.45 | 198  | 46295    | 55.361  | ng    | 81       |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 306724   | 49.473  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.88 | 248  | 87731    | 47.854  | ng    | 96       |
| 68) Hexachlorobenzene          | 10.95 | 284  | 92646    | 46.203  | ng    | 94       |
| 69) Atrazine                   | 11.05 | 200  | 68131    | 43.869  | ng    | 100      |
| 70) Pentachlorophenol          | 11.15 | 266  | 107338   | 114.197 | ng    | 99       |
| 71) Phenanthrene               | 11.36 | 178  | 486920   | 47.753  | ng    | 98       |
| 72) Anthracene                 | 11.41 | 178  | 508307   | 48.829  | ng    | 98       |
| 73) Carbazole                  | 11.57 | 167  | 442415   | 44.774  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.89 | 149  | 560342   | 47.663  | ng    | 99       |
| 75) Fluoranthene               | 12.55 | 202  | 448985   | 42.854  | ng    | 97       |
| 78) Pyrene                     | 12.78 | 202  | 444088   | 47.600  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 195453   | 44.337  | ng    | 97       |
| 81) Benzo(a)anthracene         | 13.97 | 228  | 340883   | 45.888  | ng    | 99       |
| 83) Chrysene                   | 14.00 | 228  | 327893   | 45.256  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 268144   | 47.176  | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 430430   | 48.114  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 396170   | 74.949  | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.01 | 252  | 344645   | 43.286  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 311736   | 41.332  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.37 | 252  | 324581   | 46.456  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.88 | 278  | 334563   | 60.109  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.30 | 276  | 334652   | 60.336  | ng    | 98       |

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



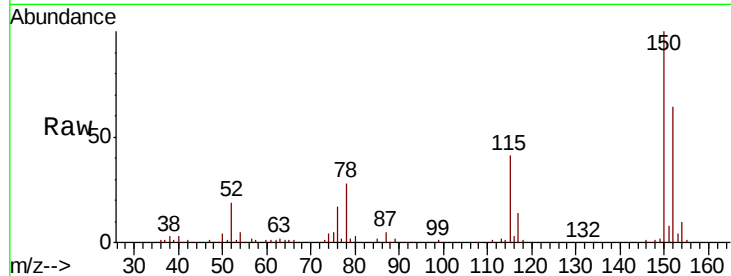


#1

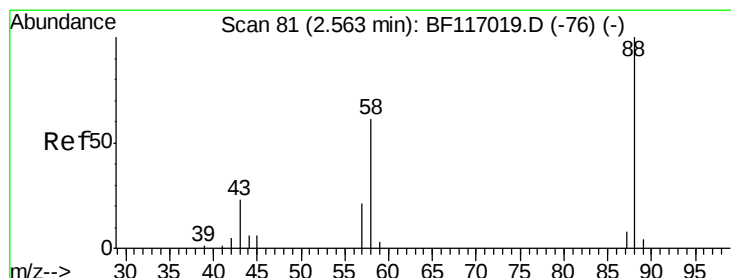
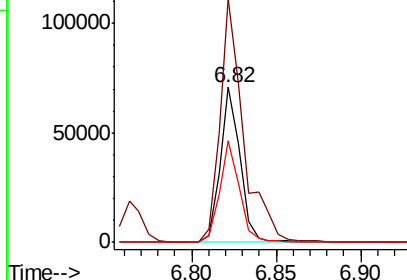
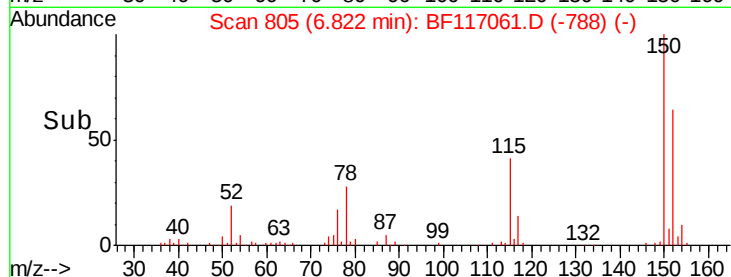
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 58303  
Ion Ratio Lower Upper  
152 100  
150 157.3 127.5 191.3  
115 65.2 55.0 82.4



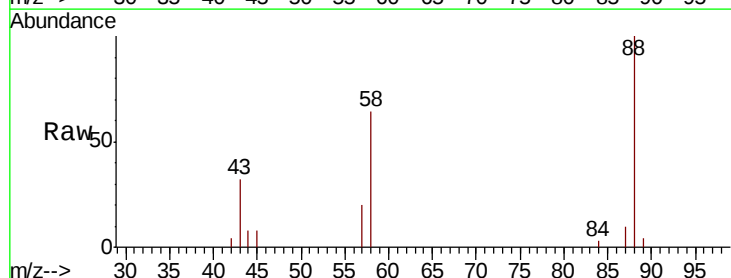
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



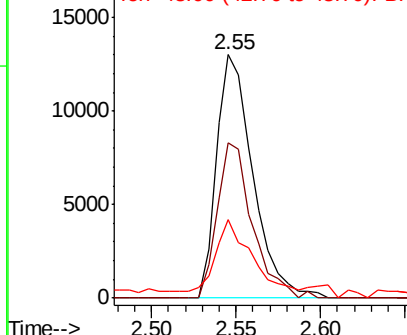
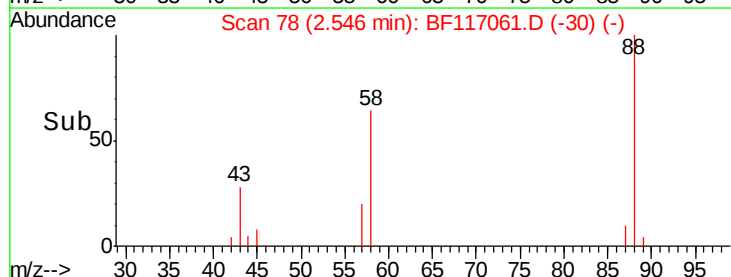
#2

1,4-Dioxane  
Concen: 12.494 ng  
RT: 2.55 min Scan# 78  
Delta R.T. -0.02 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion: 88 Resp: 19523  
Ion Ratio Lower Upper  
88 100  
58 61.7 49.3 73.9  
43 27.1 18.8 28.2



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: 2.158 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.06 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

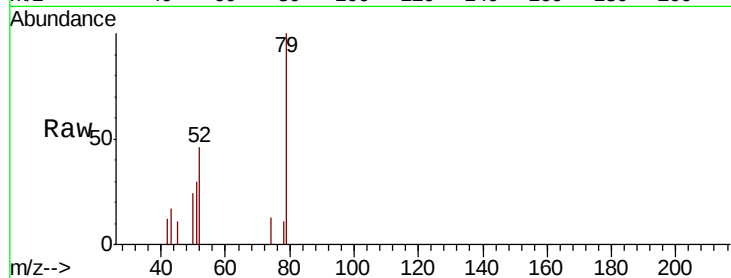
Tot Ion: 79 Resp: 9228

Ion Ratio Lower Upper

79 100

52 45.8 43.5 65.3

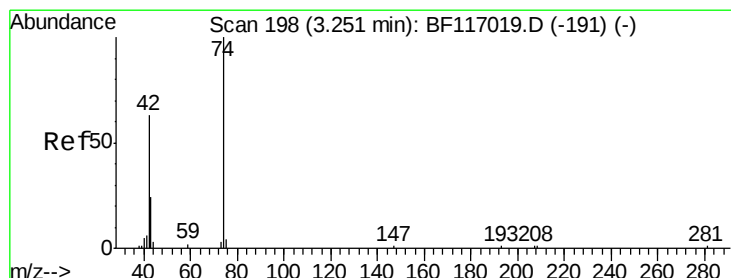
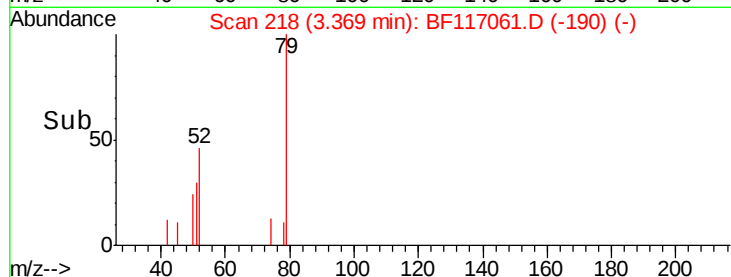
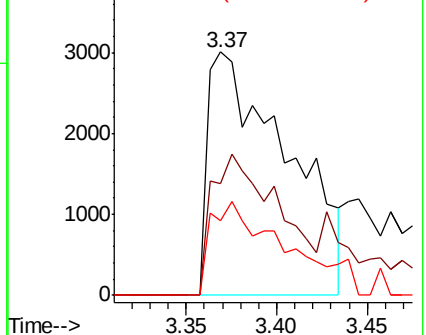
51 30.4 21.8 32.6



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 13.067 ng

RT: 3.23 min Scan# 194

Delta R.T. -0.02 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

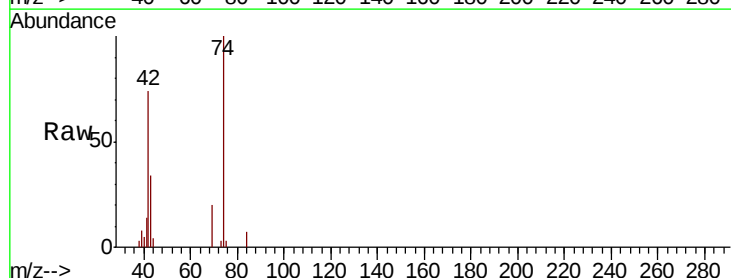
Tgt Ion: 42 Resp: 19180

Ion Ratio Lower Upper

42 100

74 134.4 127.1 190.7

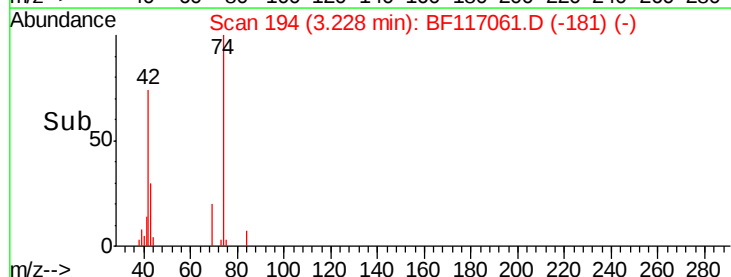
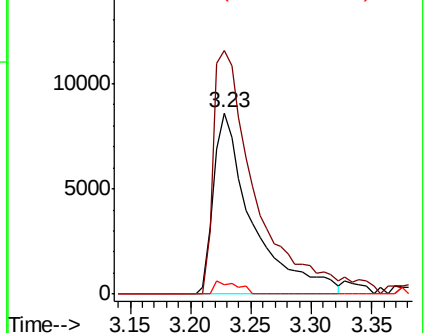
44 5.3 4.3 6.5

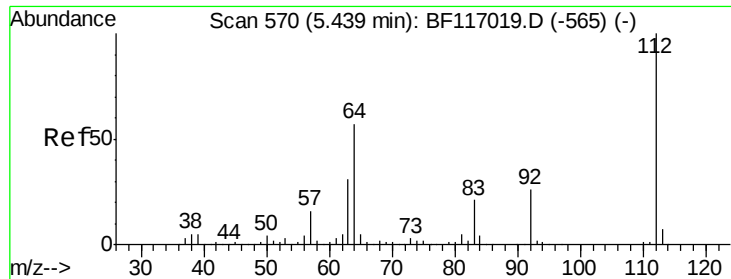


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 59.701 ng

RT: 5.45 min Scan# 571

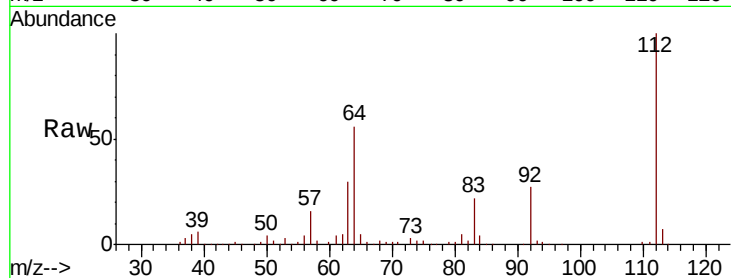
Delta R.T. 0.01 min

Lab File: BF117061.D

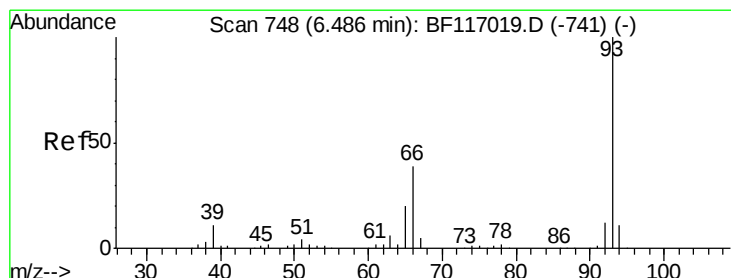
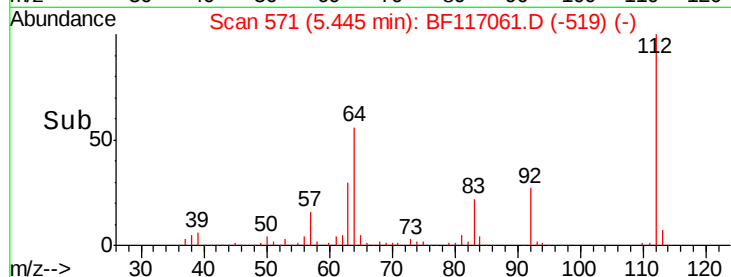
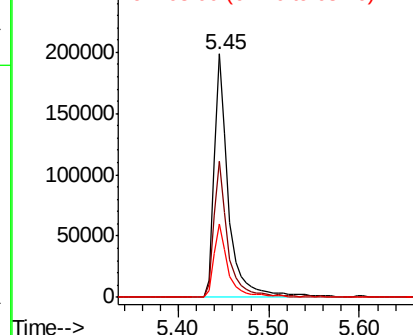
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 222945 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 55.7  | 45.7  | 68.5   |
| 63       | 30.1  | 24.9  | 37.3   |



Abundance Ion 112.00 (111.70 to 112.70): BF1  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 4.100 ng

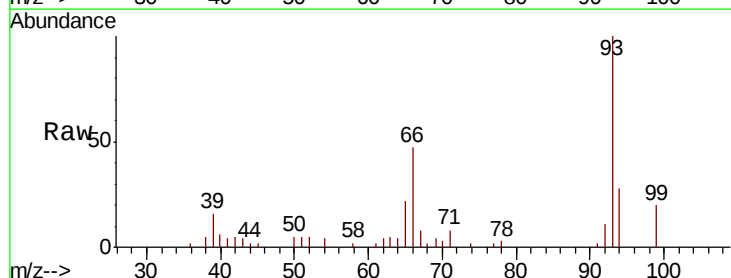
RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

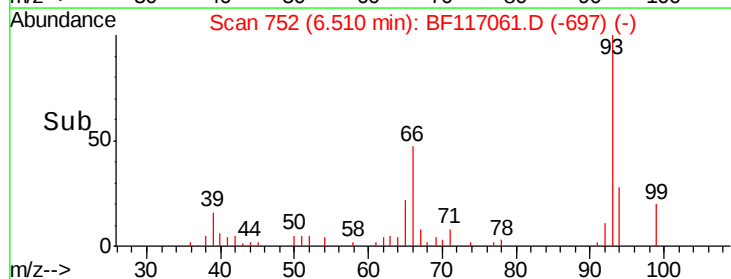
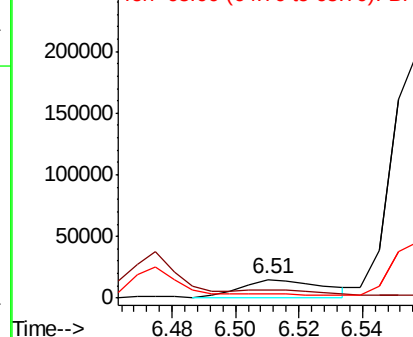
Lab File: BF117061.D

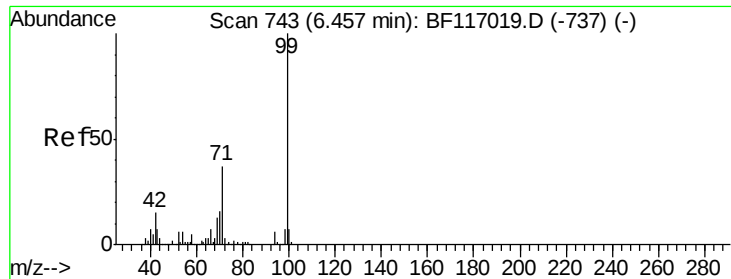
Acq: 16 Sep 2019 14:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 25474 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 46.8  | 32.6  | 49.0  |
| 65       | 21.6  | 16.7  | 25.1  |



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: 40.588 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampled :

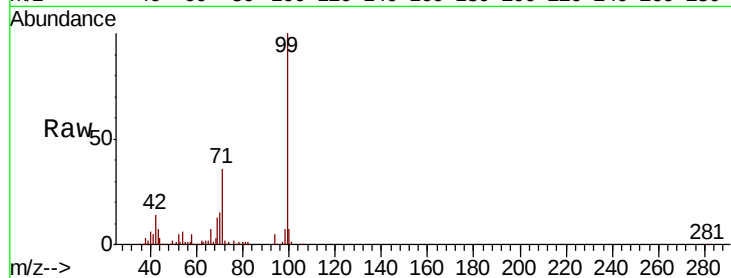
Tot Ion: 99 Resp: 195886

Ion Ratio Lower Upper

99 100

42 14.3 12.2 18.2

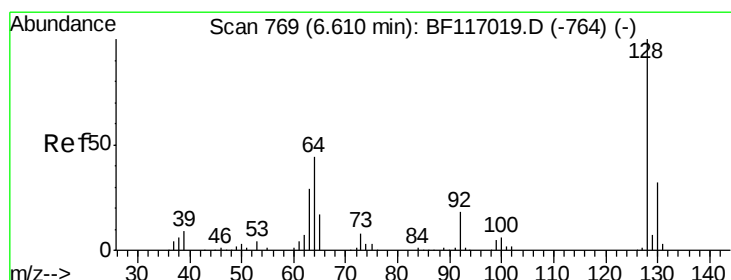
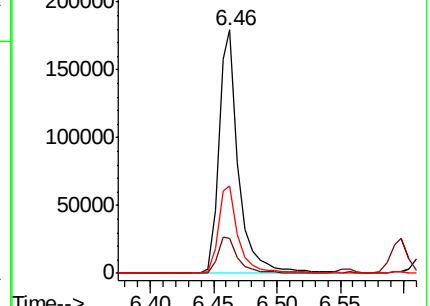
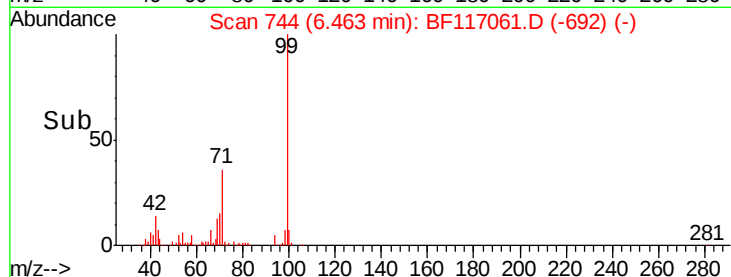
71 35.9 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.631 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

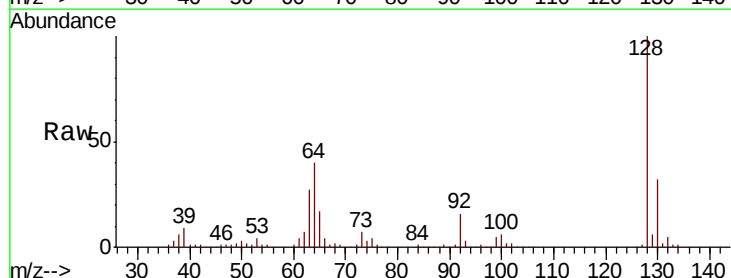
Tgt Ion: 128 Resp: 151604

Ion Ratio Lower Upper

128 100

130 32.4 11.8 51.8

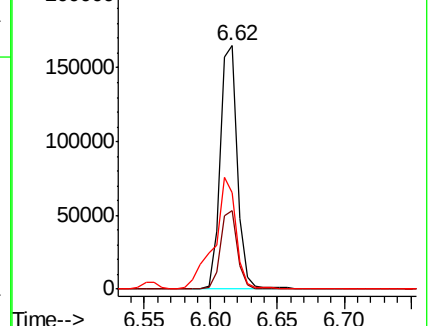
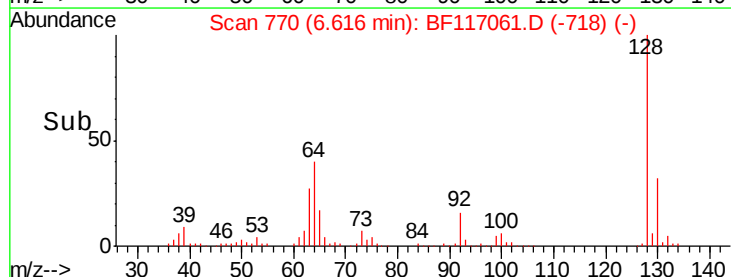
64 39.7 25.0 65.0

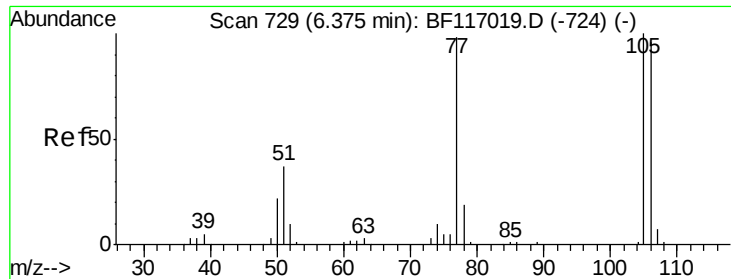


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

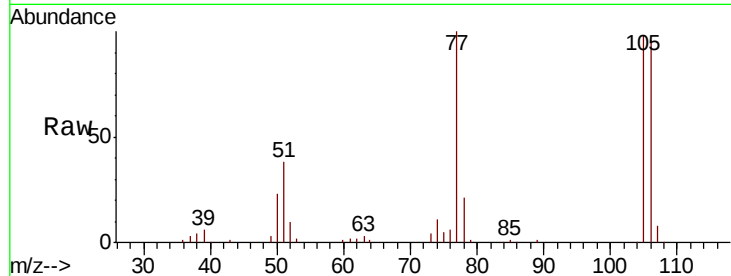




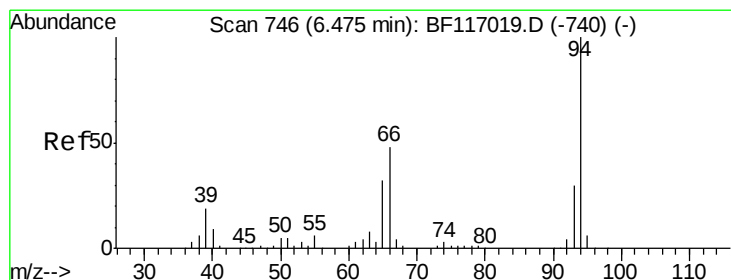
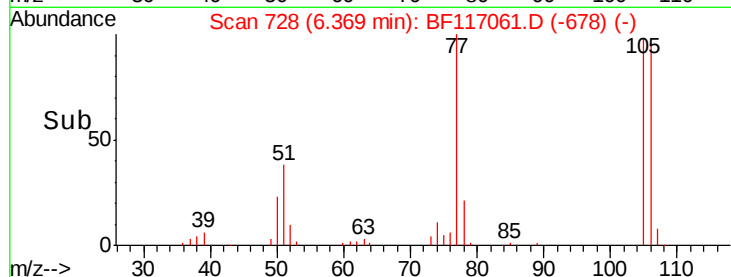
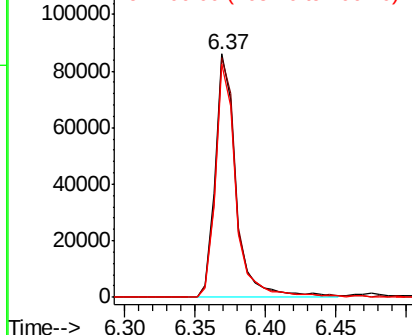
#9  
Benzaldehyde  
Concen: 35.631 ng  
RT: 6.37 min Scan# 728  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion: 77 Resp: 88409  
Ion Ratio Lower Upper  
77 100  
105 98.4 81.8 121.8  
106 95.8 77.3 117.3

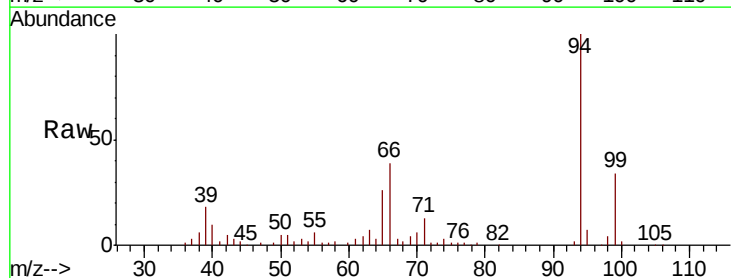


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E

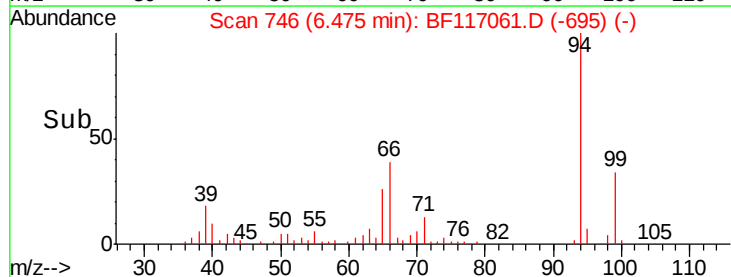
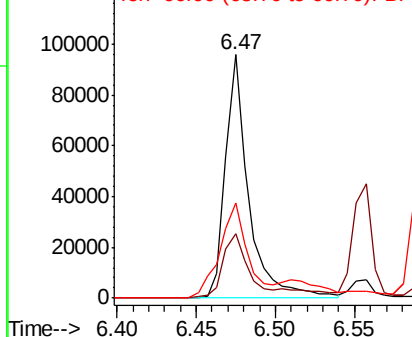


#10  
Phenol  
Concen: 18.286 ng  
RT: 6.47 min Scan# 746  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion: 94 Resp: 97290  
Ion Ratio Lower Upper  
94 100  
65 26.3 12.5 52.5  
66 38.9 28.9 68.9



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



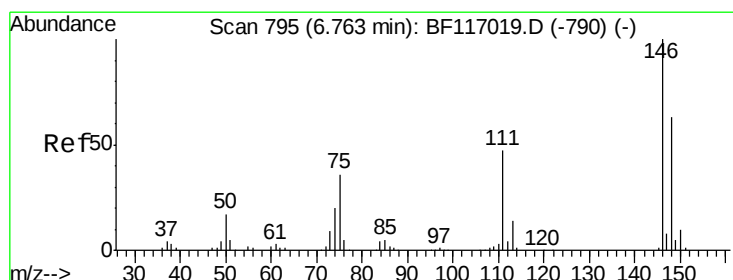
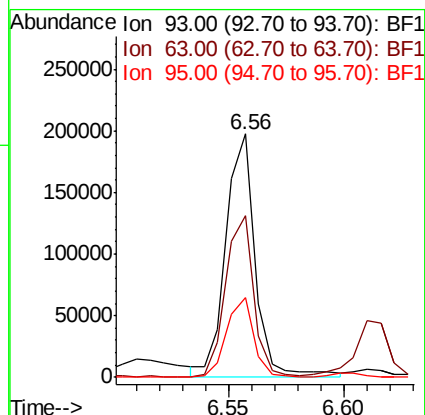
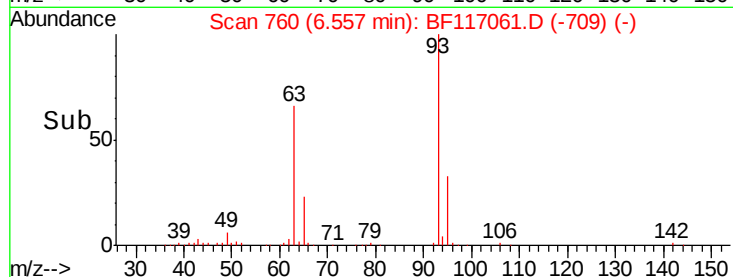
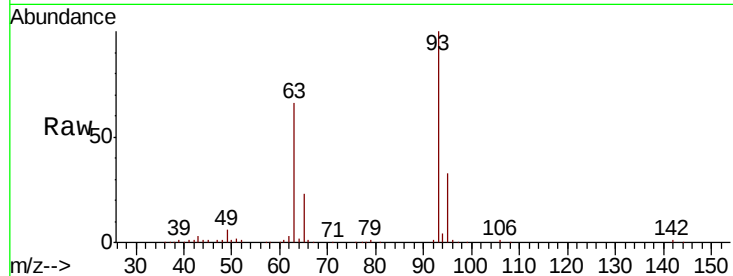


#11

bis(2-Chloroethyl)ether  
Concen: 44.222 ng  
RT: 6.56 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

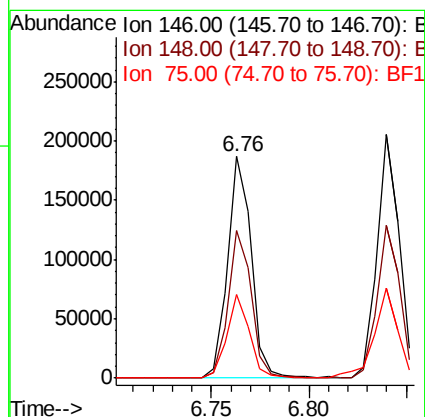
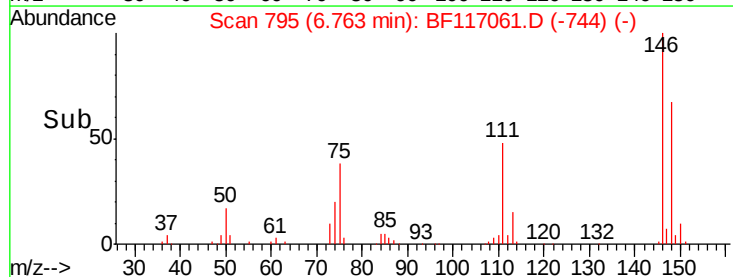
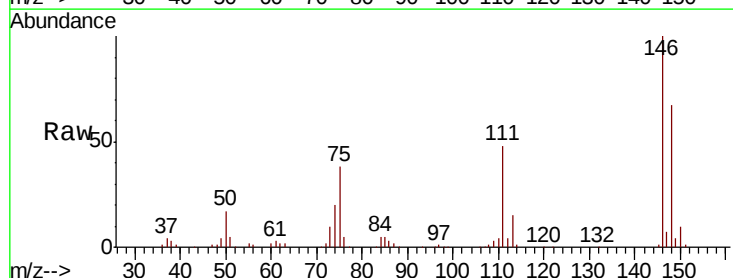
Tot Ion: 93 Resp: 172924  
Ion Ratio Lower Upper  
93 100  
63 66.4 49.3 89.3  
95 32.5 11.5 51.5

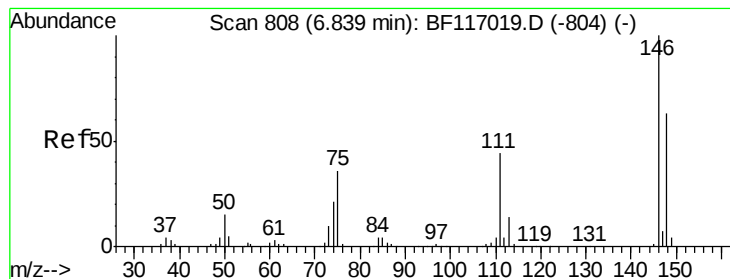


#12

1,3-Dichlorobenzene  
Concen: 34.966 ng  
RT: 6.76 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion: 146 Resp: 158070  
Ion Ratio Lower Upper  
146 100  
148 67.0 50.8 76.2  
75 37.9 28.7 43.1





#13

1,4-Dichlorobenzene

Concen: 35.906 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampled :

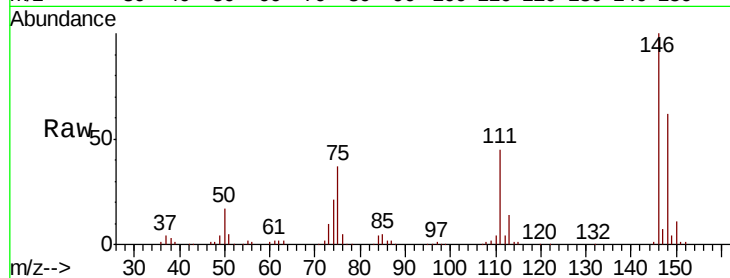
Tot Ion:146 Resp: 165651

Ion Ratio Lower Upper

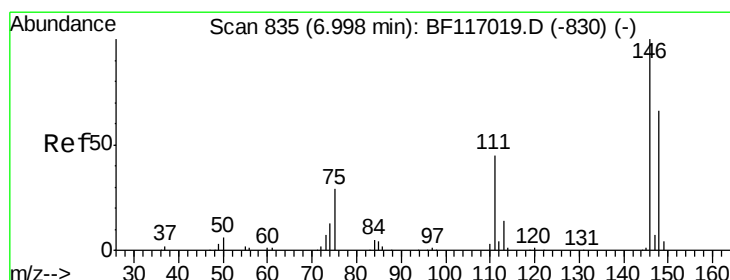
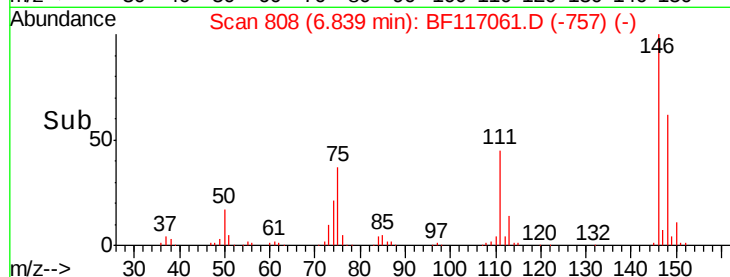
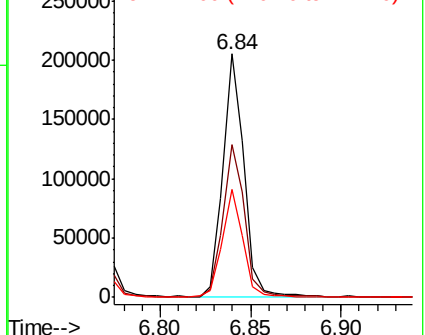
146 100

148 62.5 50.6 76.0

111 44.6 35.0 52.6



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: 36.624 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

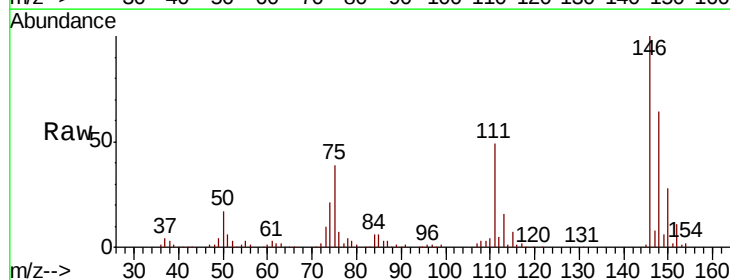
Tgt Ion:146 Resp: 157313

Ion Ratio Lower Upper

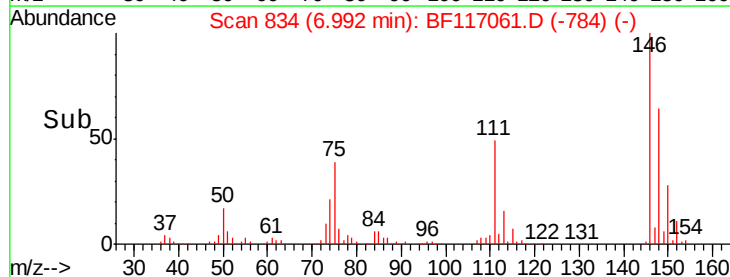
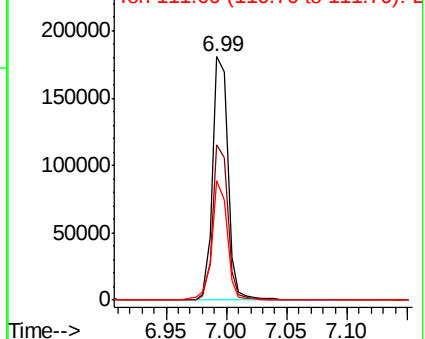
146 100

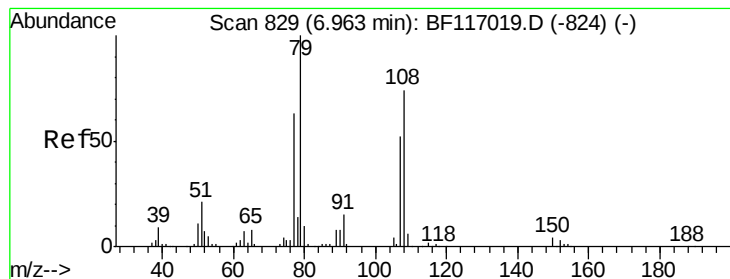
148 63.8 52.6 78.8

111 49.3 36.2 54.2



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: 24.094 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

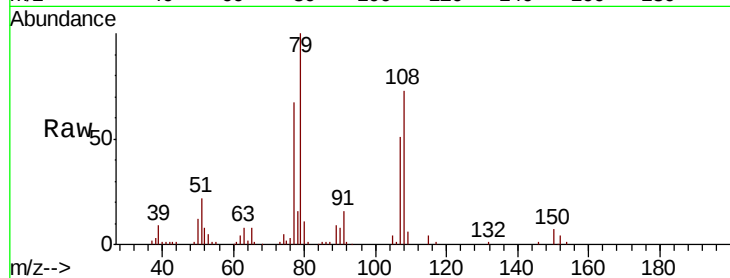
Tot Ion: 79 Resp: 89170

Ion Ratio Lower Upper

79 100

108 73.1 59.4 89.0

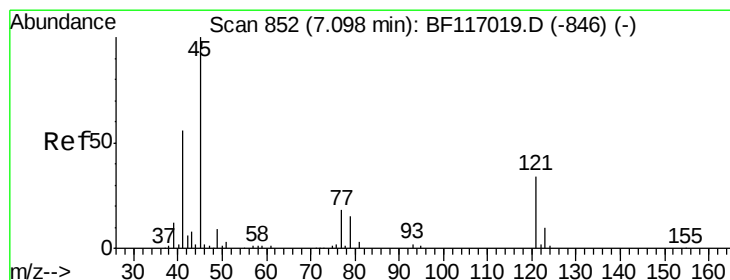
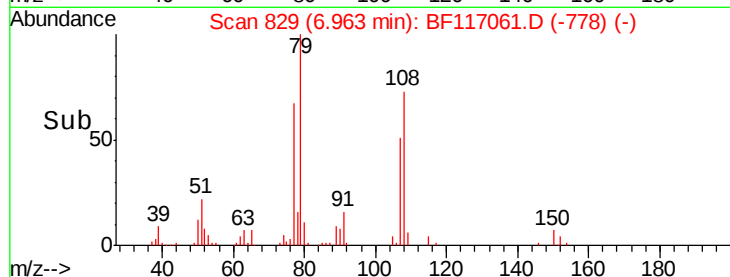
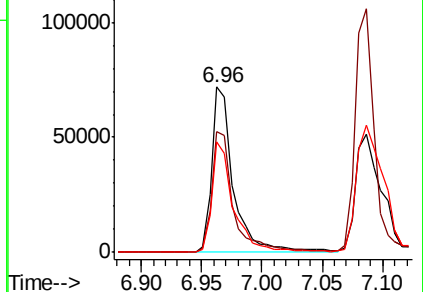
77 66.9 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.551 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

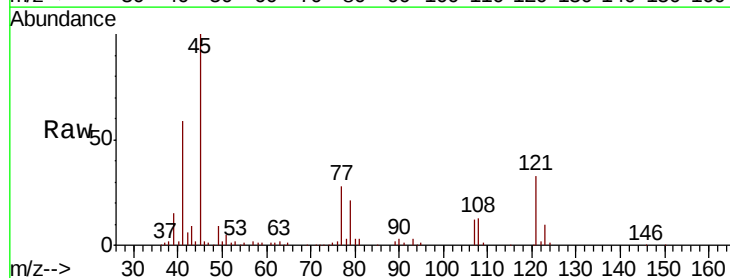
Tgt Ion: 45 Resp: 156661

Ion Ratio Lower Upper

45 100

77 28.0 2.7 42.7

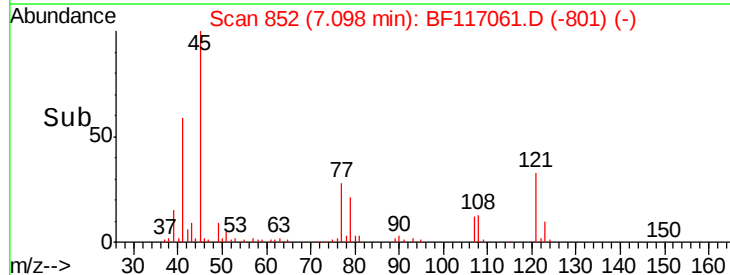
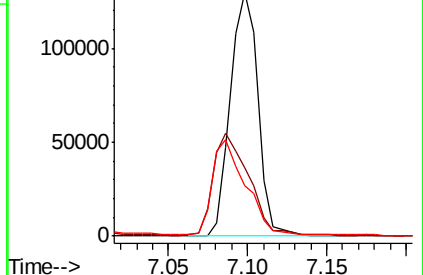
79 20.7 0.0 38.9

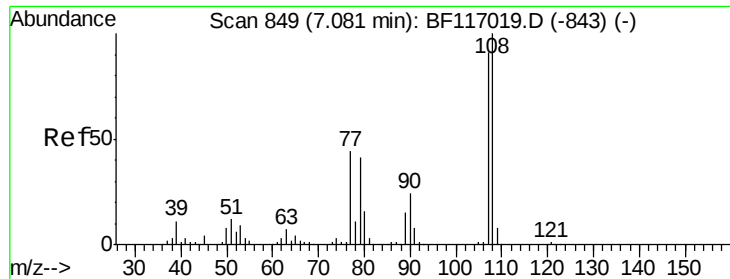


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

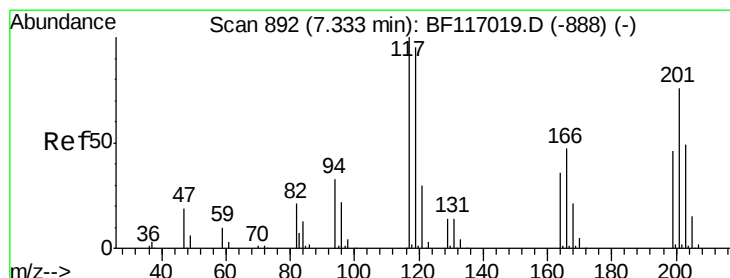
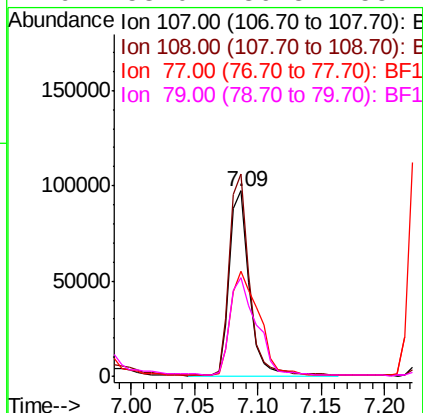
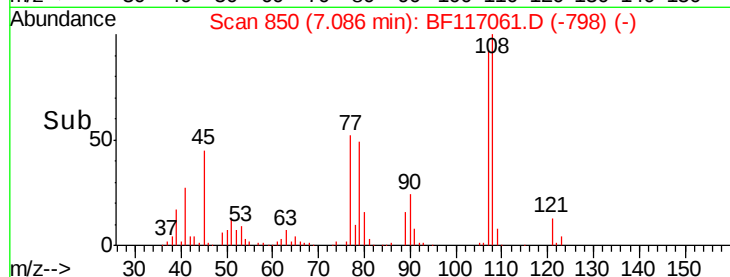
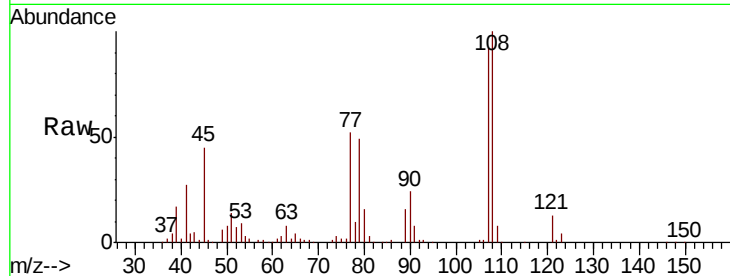




#17  
2-Methylphenol  
Concen: 31.795 ng  
RT: 7.09 min Scan# 850  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

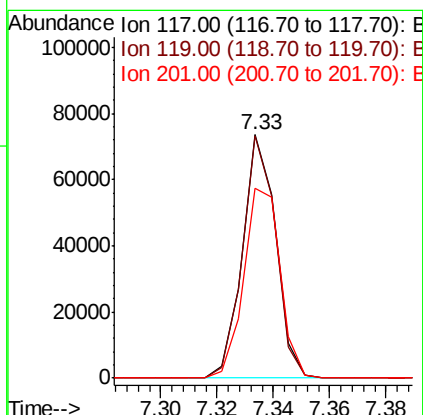
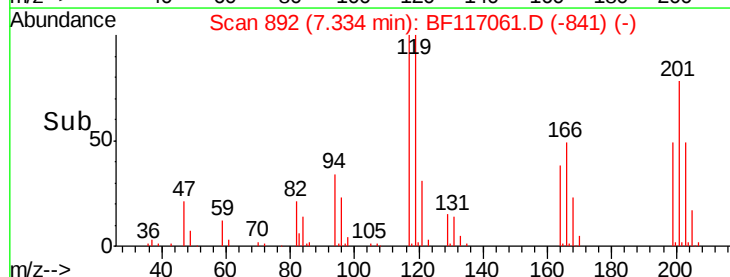
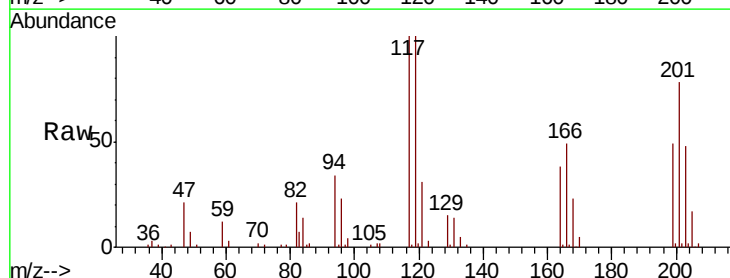
Instrument :  
BNA\_F  
ClientSampleId :

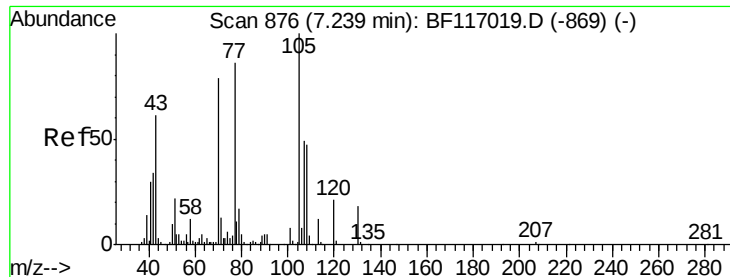
Tot Ion:107 Resp: 107354  
Ion Ratio Lower Upper  
107 100  
108 108.9 87.7 131.5  
77 56.6 38.6 58.0  
79 53.0 36.8 55.2



#18  
Hexachloroethane  
Concen: 33.987 ng  
RT: 7.33 min Scan# 892  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:117 Resp: 60321  
Ion Ratio Lower Upper  
117 100  
119 99.7 75.8 113.8  
201 77.9 60.9 91.3

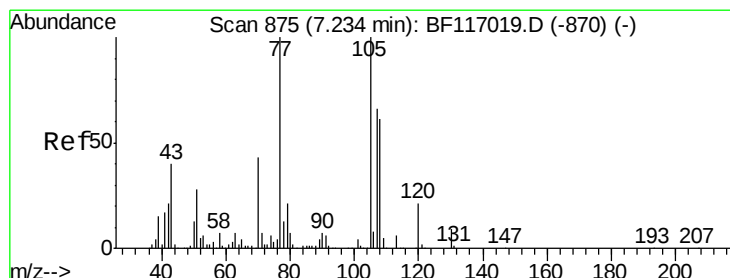
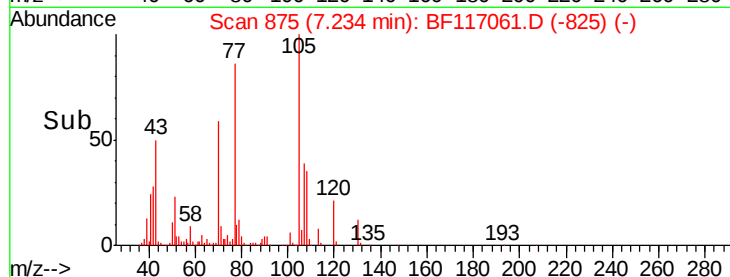
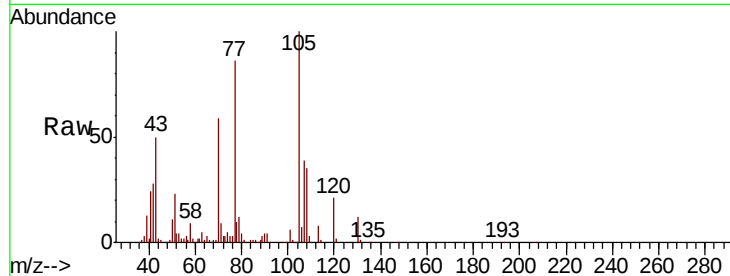
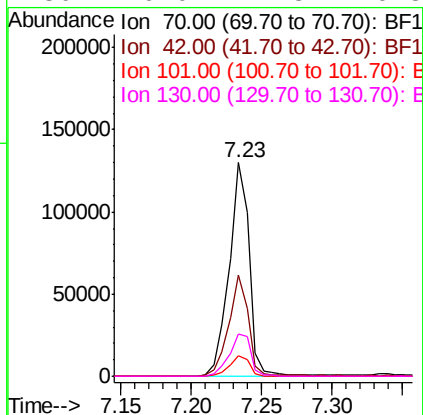




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.071 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

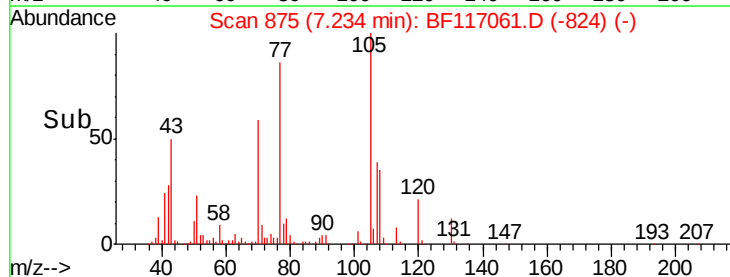
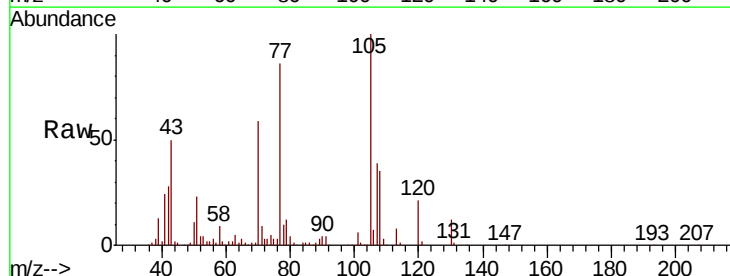
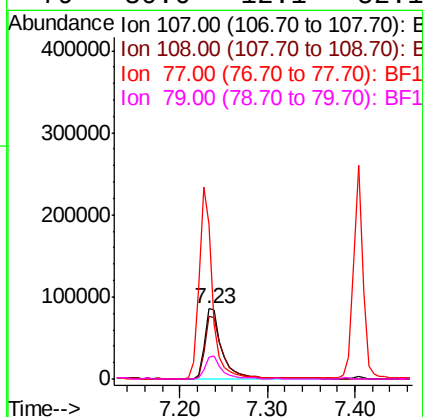
Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 47.3  | 34.0  | 51.0  |
| 101     | 9.9   | 7.8   | 11.6  |
| 130     | 20.0  | 17.8  | 26.8  |



#20  
3+4-Methylphenols  
Concen: 28.268 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 89.5  | 72.6  | 112.6  |
| 77      | 219.4 | 132.1 | 172.1# |
| 79      | 30.6  | 12.1  | 52.1   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:136 Resp: 229734

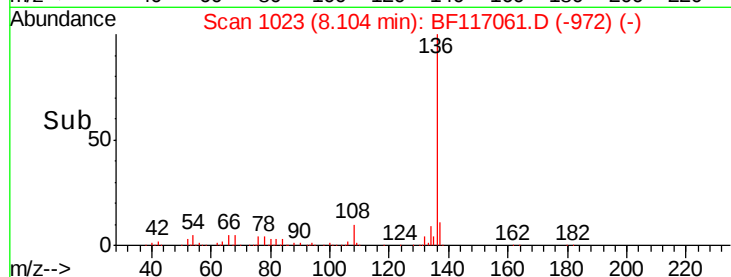
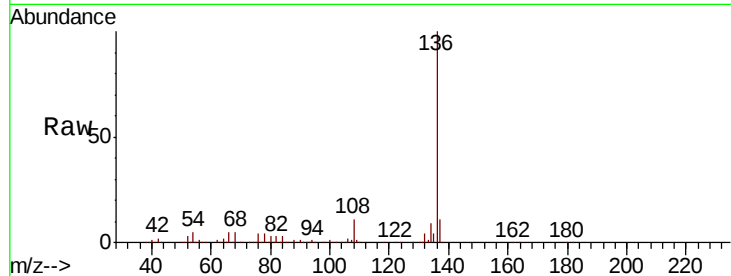
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.0 4.5 6.7

68 4.8 4.0 6.0

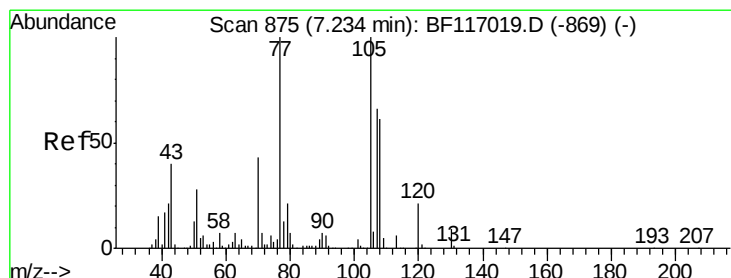
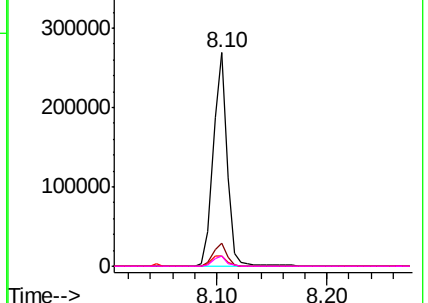


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.403 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:105 Resp: 265010

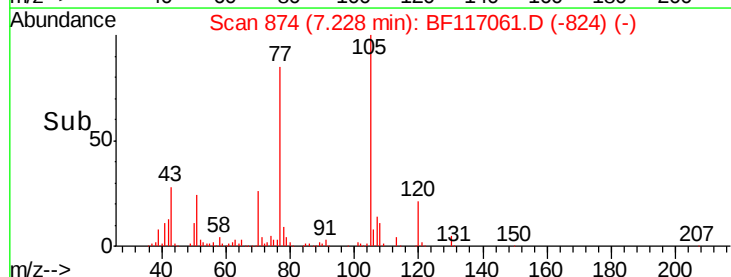
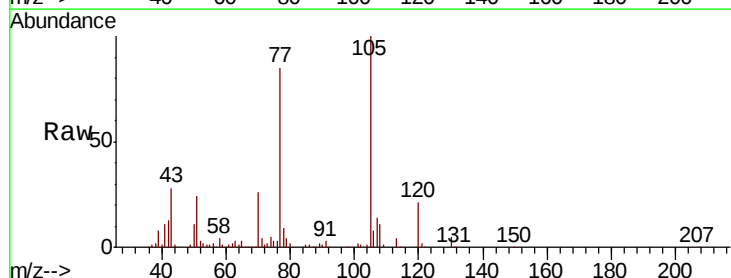
Ion Ratio Lower Upper

105 100

71 4.2 5.7 8.5#

51 23.6 22.1 33.1

120 21.4 17.1 25.7

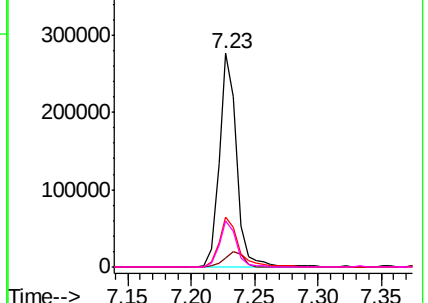


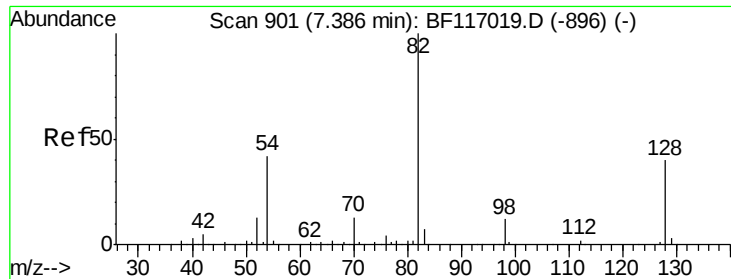
Abundance Ion 105.00 (104.70 to 105.70): E

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

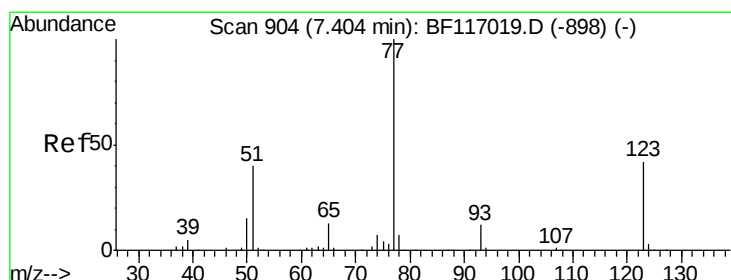
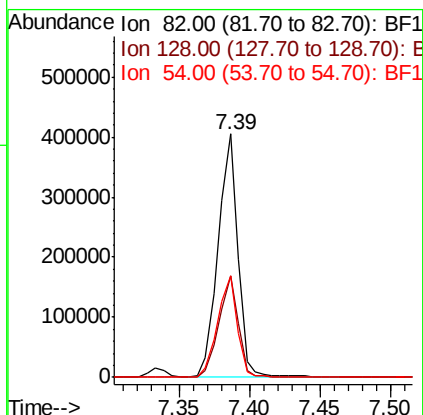
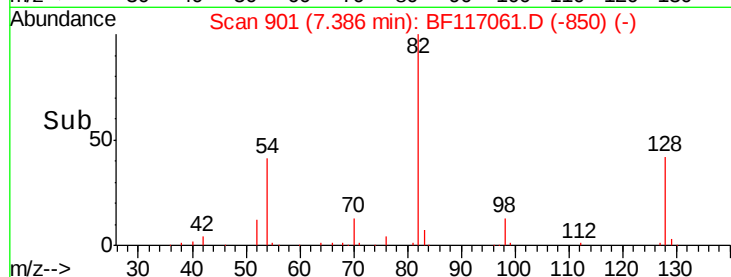
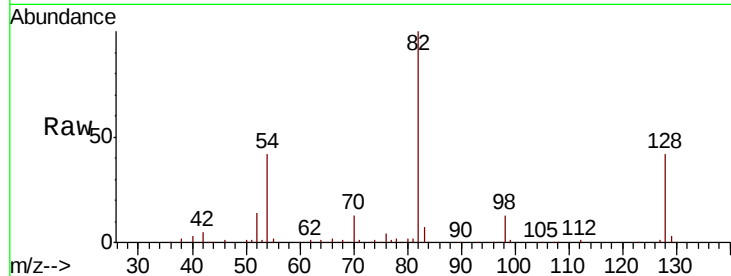




#23  
Nitrobenzene-d5  
Concen: 91.222 ng  
RT: 7.39 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

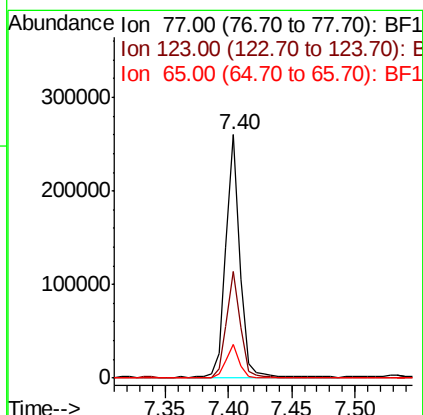
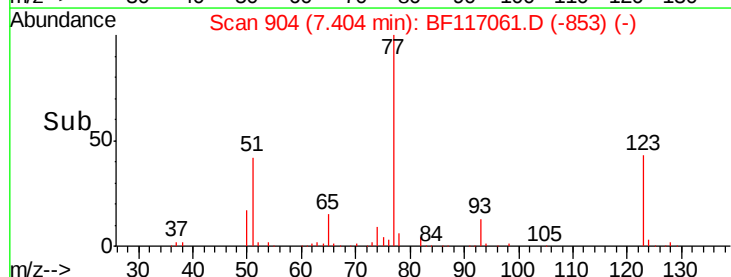
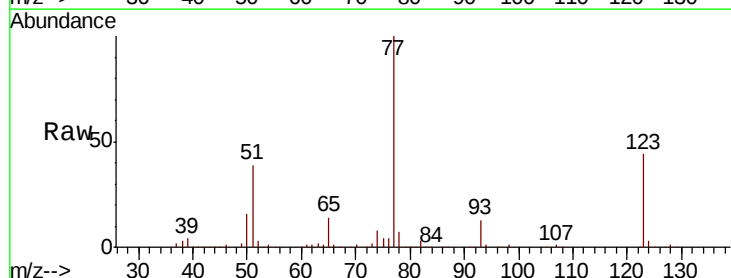
Instrument :  
BNA\_F  
ClientSampleId :

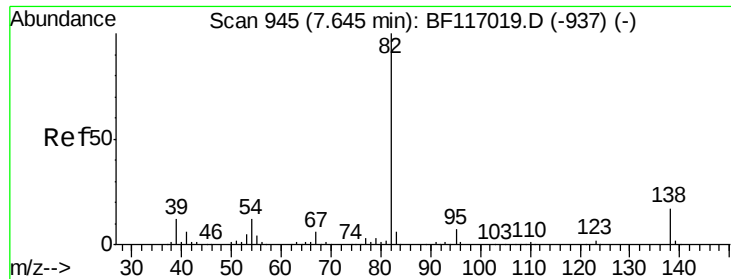
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.5  | 32.3  | 48.5  |
| 54      | 41.6  | 33.3  | 49.9  |



#24  
Nitrobenzene  
Concen: 45.957 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.0  | 33.5  | 50.3  |
| 65      | 13.9  | 10.5  | 15.7  |





#25

Isophorone

Concen: 45.740 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

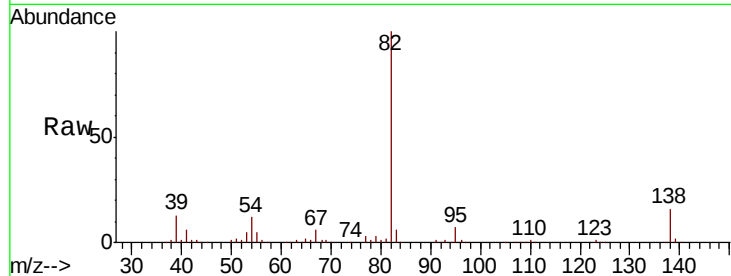
Tot Ion: 82 Resp: 354098

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

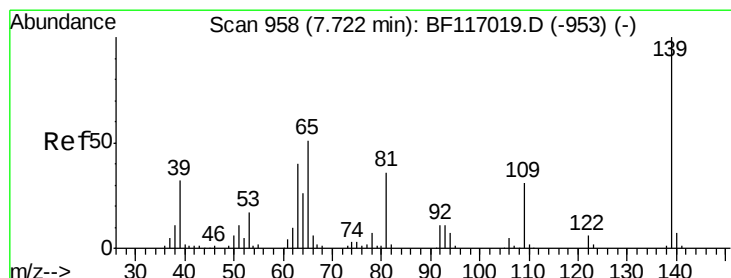
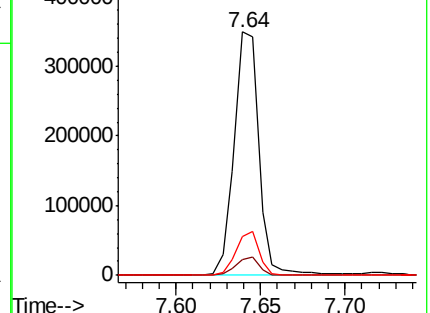
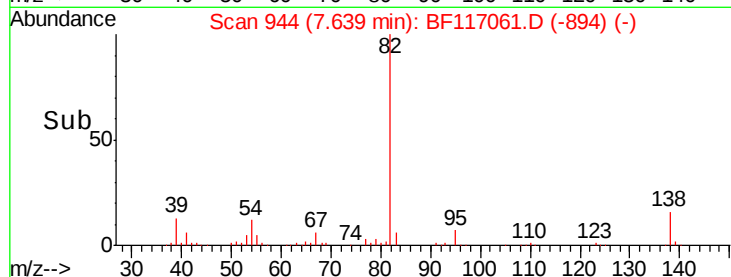
138 15.7 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 50.240 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

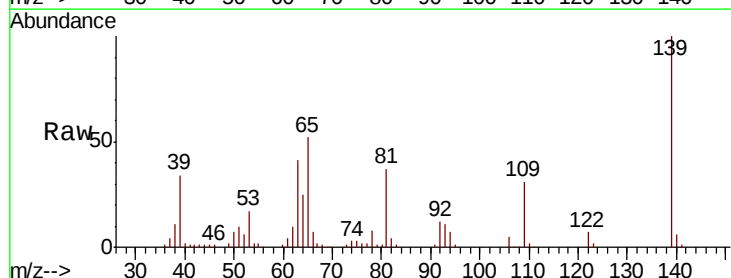
Tgt Ion: 139 Resp: 93178

Ion Ratio Lower Upper

139 100

109 31.3 24.6 36.8

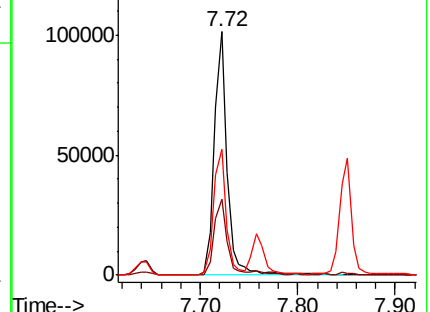
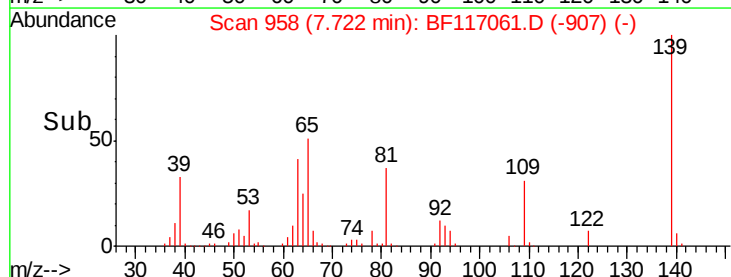
65 51.6 40.9 61.3



Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 47.859 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

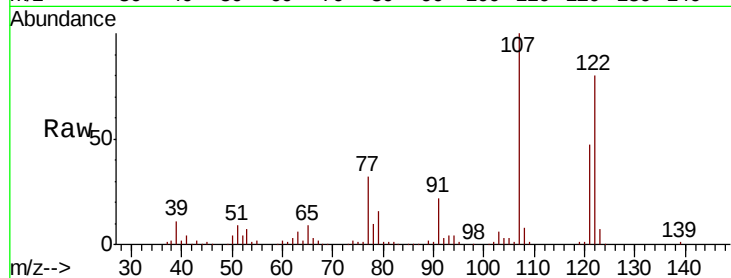
Tot Ion:122 Resp: 140759

Ion Ratio Lower Upper

122 100

107 124.8 98.9 148.3

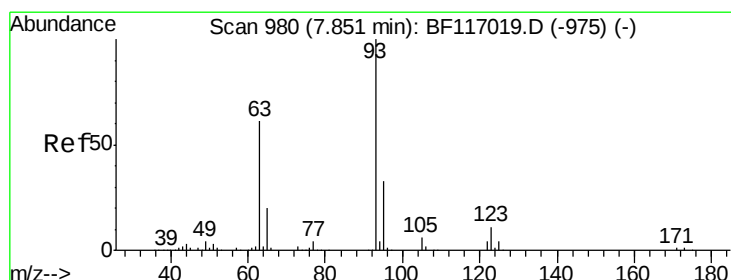
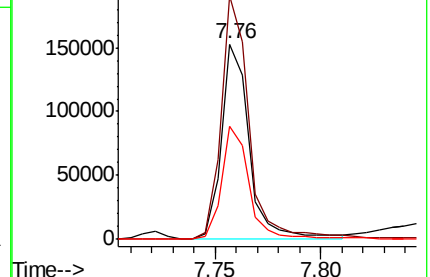
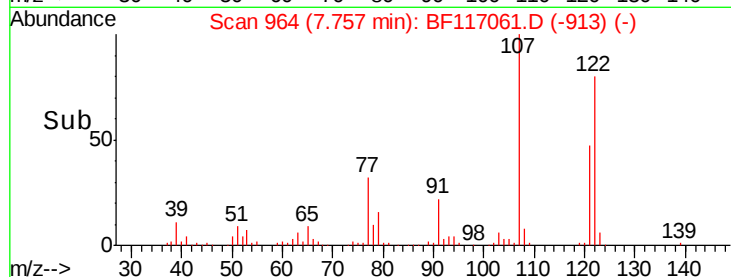
121 58.2 45.3 67.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.170 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

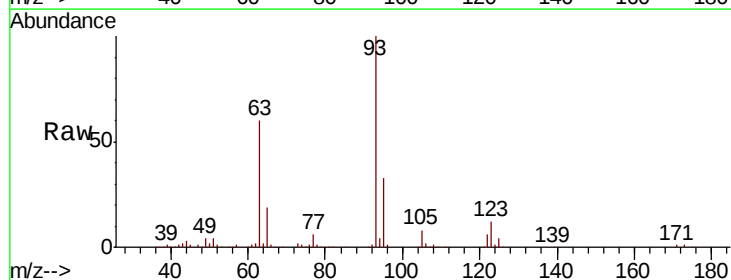
Tgt Ion: 93 Resp: 210679

Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.4

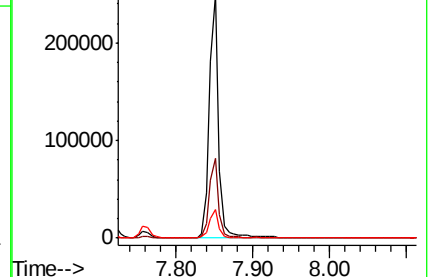
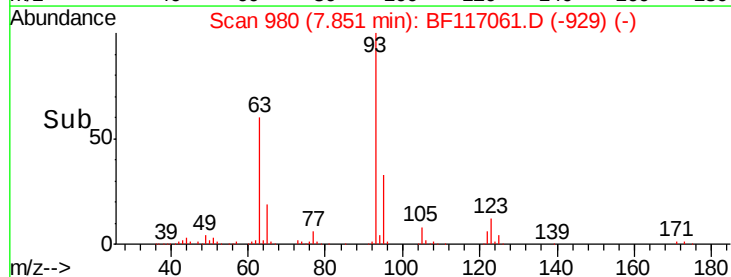
123 12.0 9.0 13.6

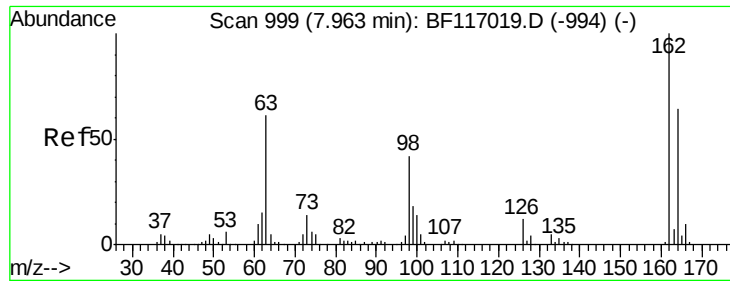


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

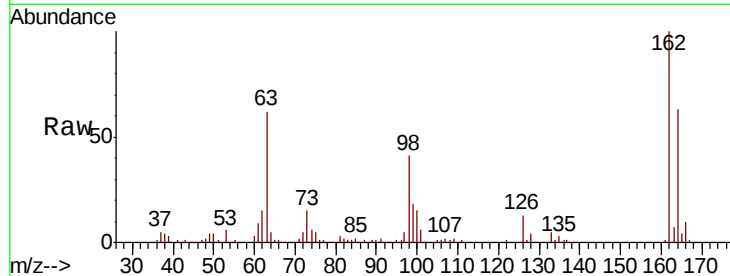




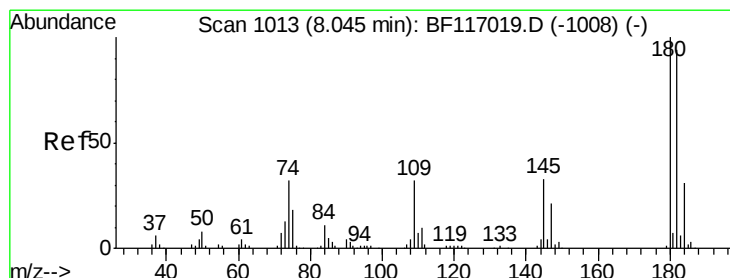
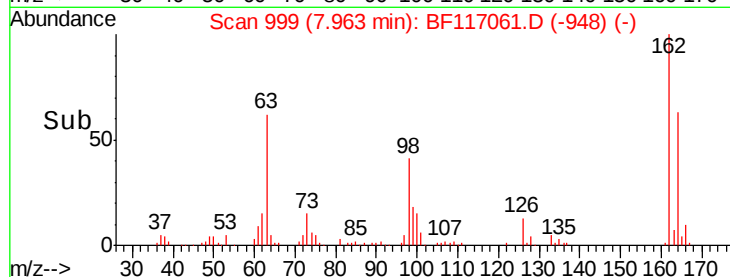
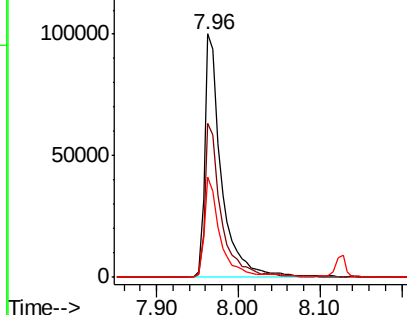
#29  
 2,4-Dichlorophenol  
 Concen: 46.321 ng  
 RT: 7.96 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 43.8  | 83.8  |
| 98      | 41.1  | 22.1  | 62.1  |

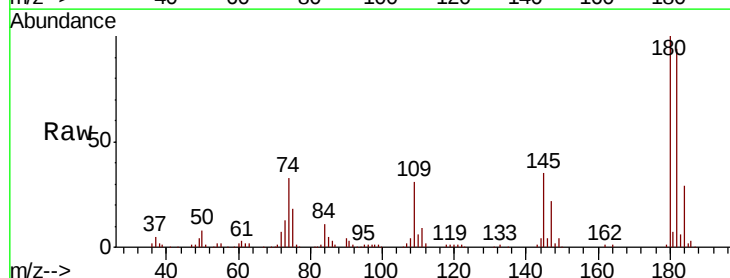


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BF1

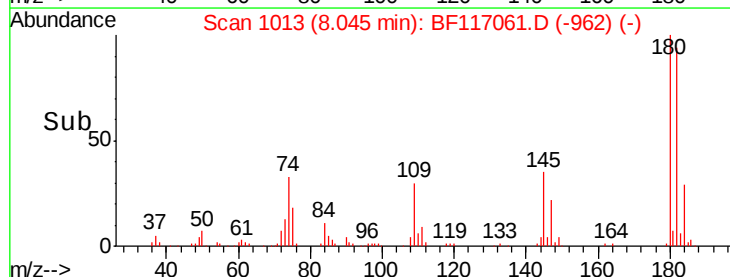
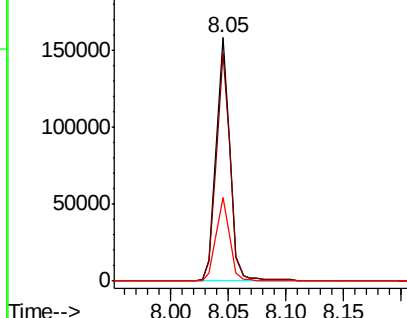


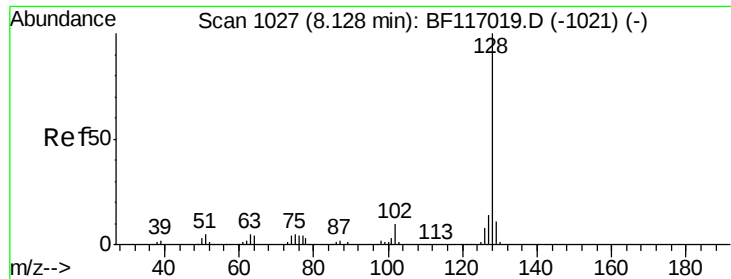
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.702 ng  
 RT: 8.05 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.9  | 75.4  | 113.0 |
| 145     | 34.6  | 26.7  | 40.1  |



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

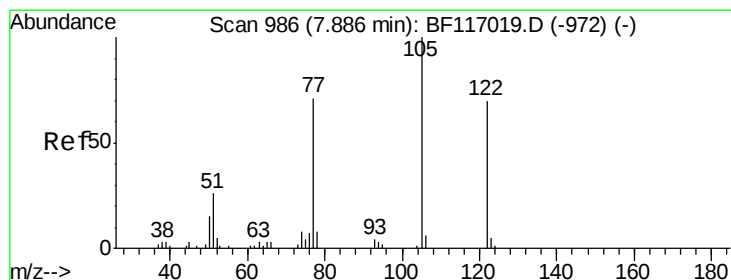
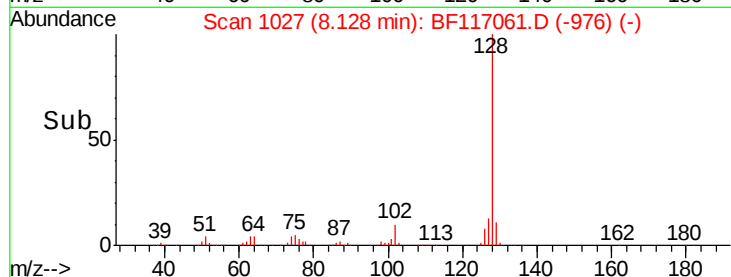
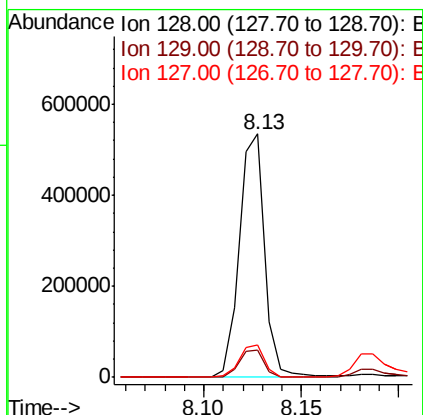
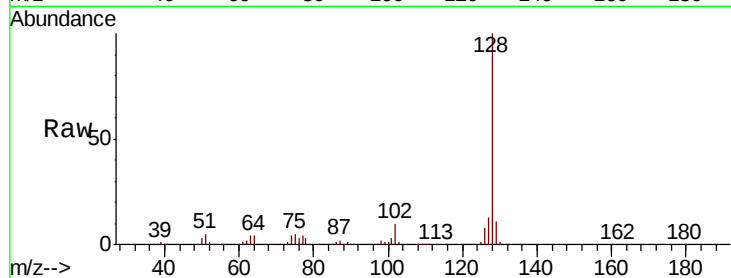




#31  
Naphthalene  
Concen: 43.735 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

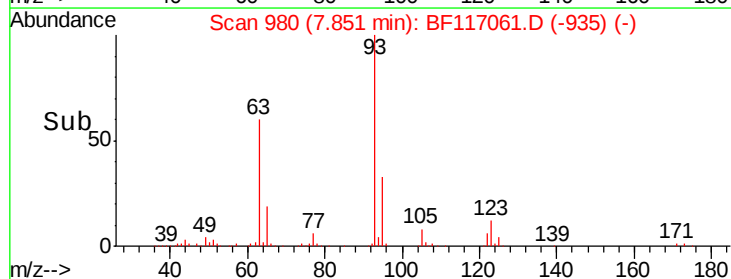
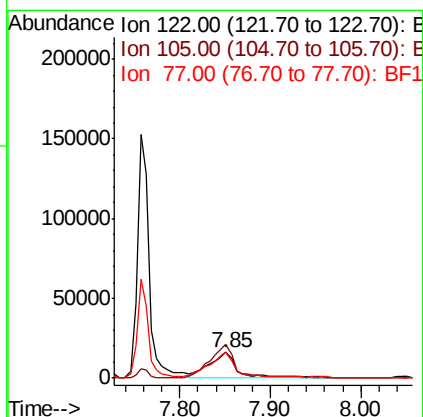
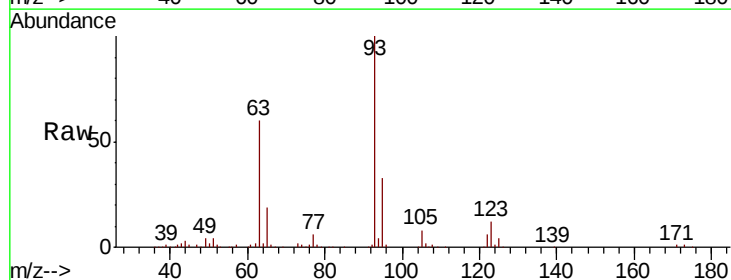
Instrument :  
BNA\_F  
ClientSampleId :

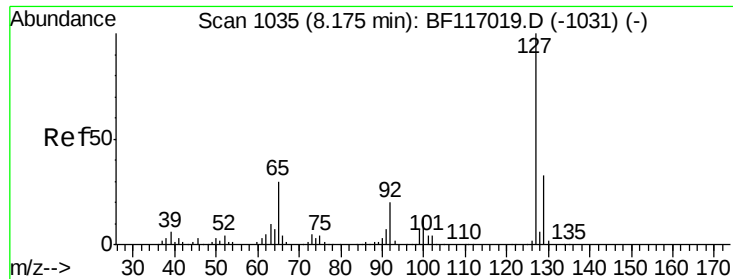
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 9.0   | 13.4  |
| 127     | 13.5  | 10.8  | 16.2  |



#32  
Benzoic acid  
Concen: 19.548 ng  
RT: 7.85 min Scan# 980  
Delta R.T. -0.03 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 130.3 | 114.8 | 154.8 |
| 77      | 100.3 | 78.7  | 118.7 |

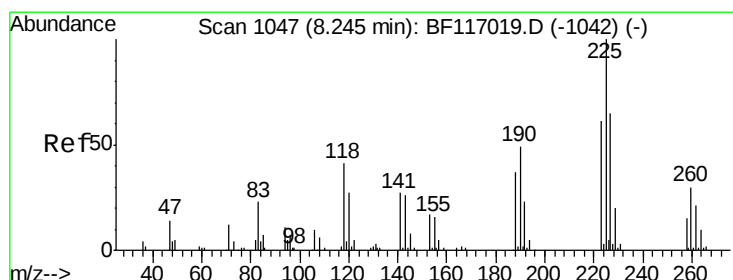
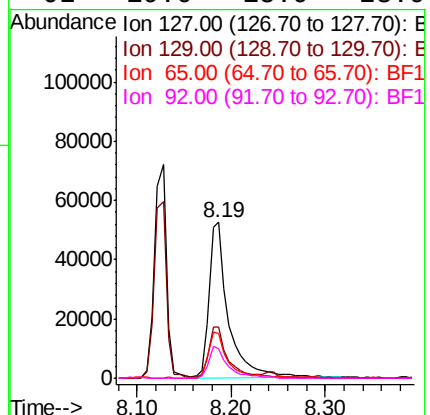
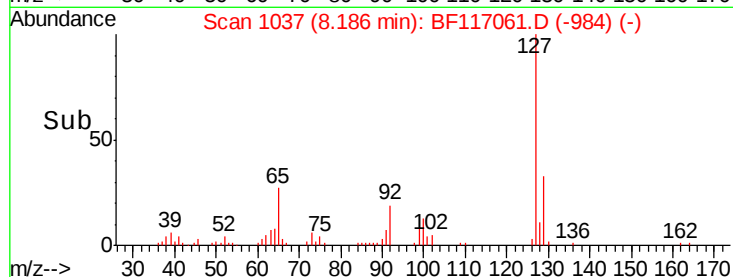
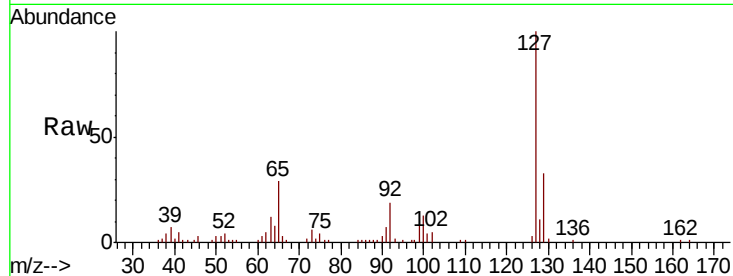




#33  
4-Chloroaniline  
Concen: 15.429 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

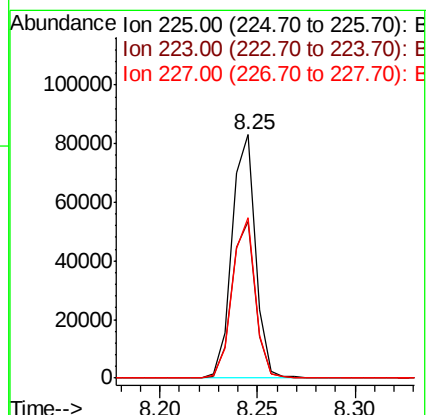
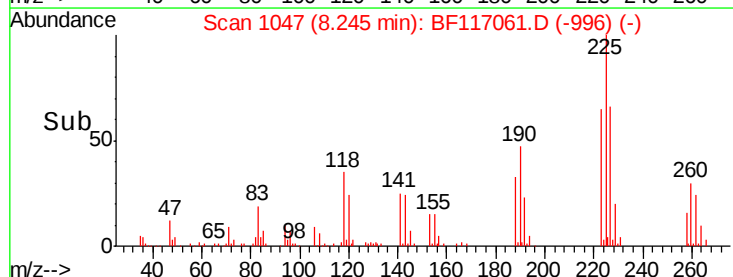
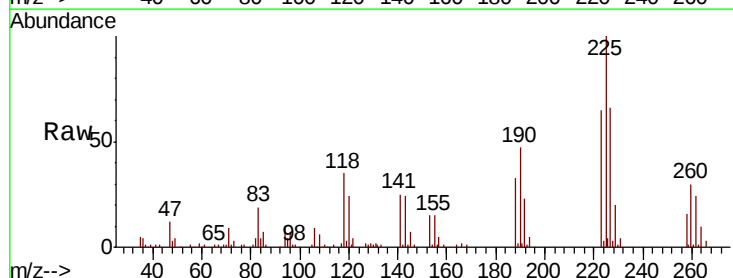
Instrument :  
BNA\_F  
ClientSampled :

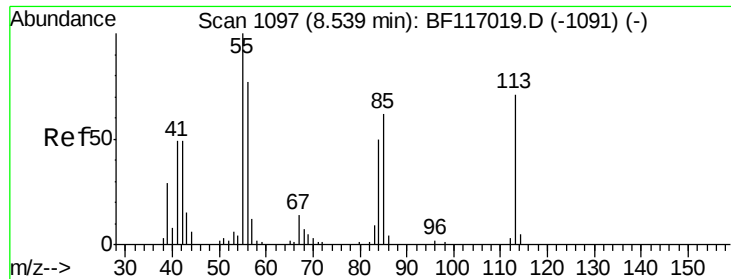
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 75612 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.1  | 26.2  | 39.2  |
| 65       | 29.0  | 23.5  | 35.3  |
| 92       | 19.0  | 15.9  | 23.9  |



#34  
Hexachlorobutadiene  
Concen: 36.790 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 69495 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.6  | 49.1  | 73.7  |
| 227      | 65.9  | 52.2  | 78.2  |

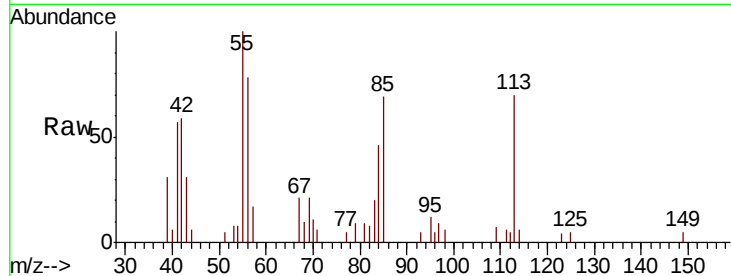




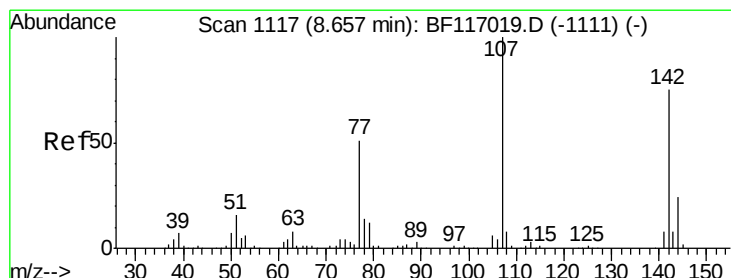
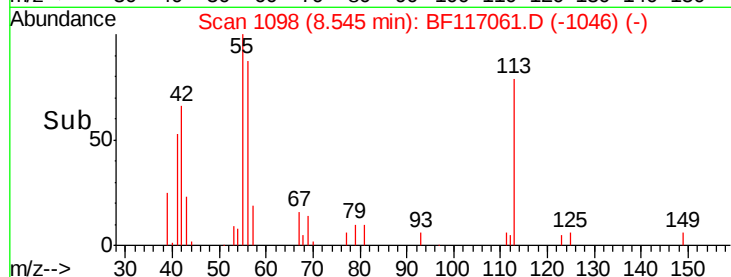
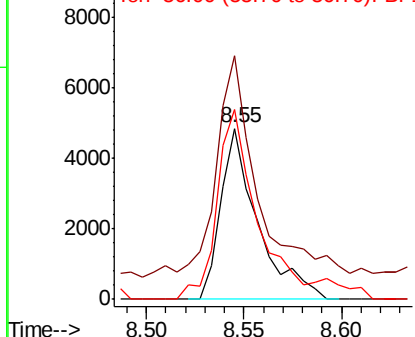
#35  
Caprolactam  
Concen: 6.073 ng  
RT: 8.55 min Scan# 1098  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:113 Resp: 6335  
Ion Ratio Lower Upper  
113 100  
55 142.1 120.6 160.6  
56 110.6 88.8 128.8

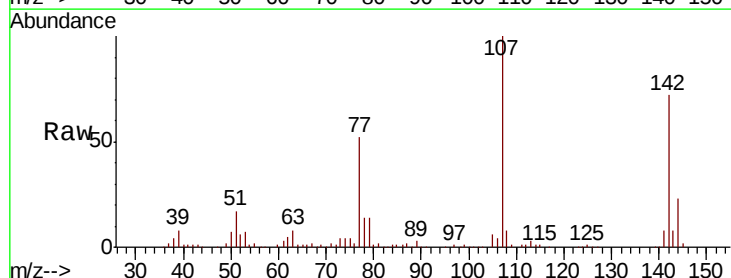


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

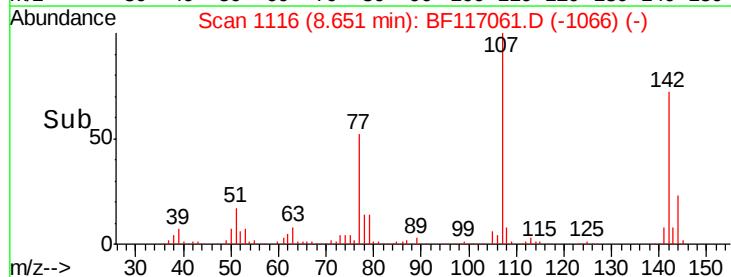
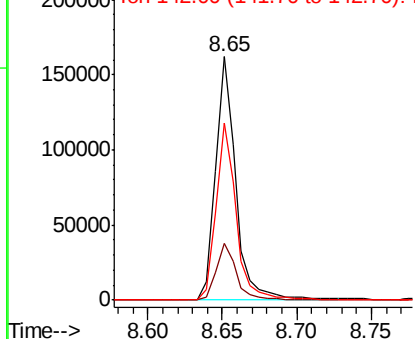


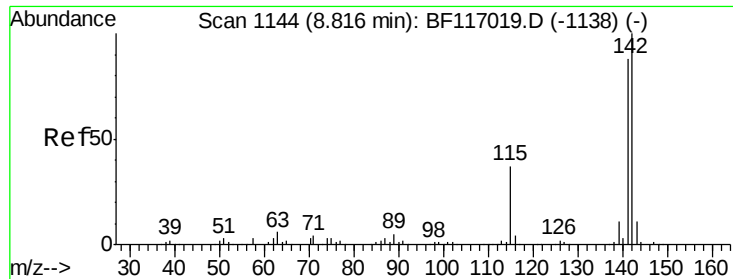
#36  
4-Chloro-3-methylphenol  
Concen: 42.714 ng  
RT: 8.65 min Scan# 1116  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:107 Resp: 153489  
Ion Ratio Lower Upper  
107 100  
144 23.2 19.2 28.8  
142 72.5 59.6 89.4



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

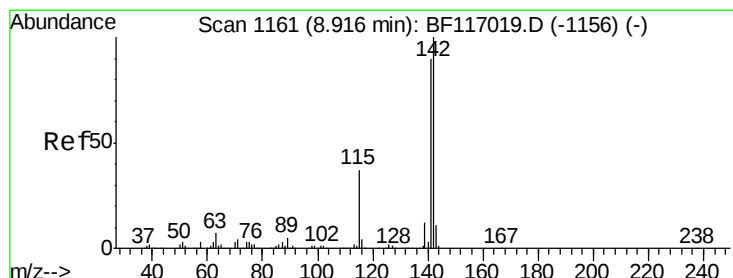
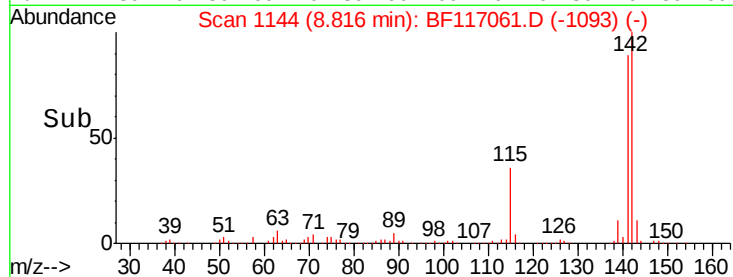
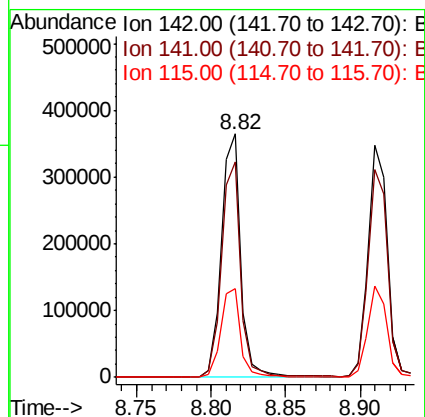
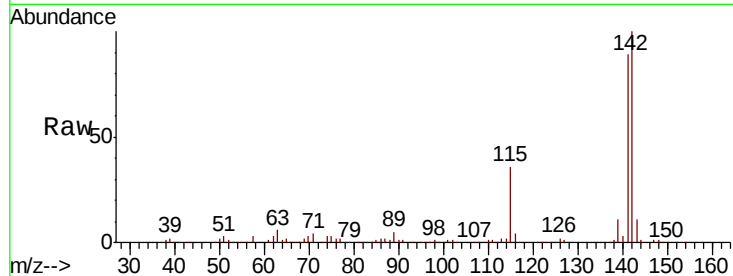




#37  
2-Methylnaphthalene  
Concen: 44.949 ng  
RT: 8.82 min Scan# 1144  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

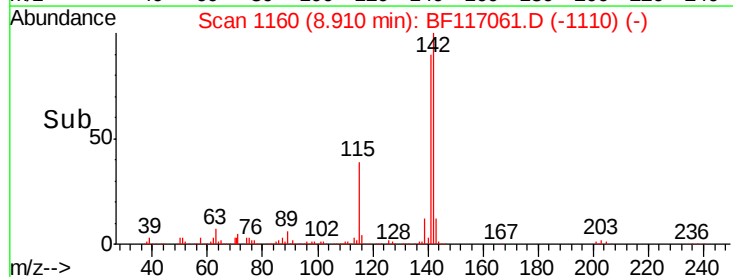
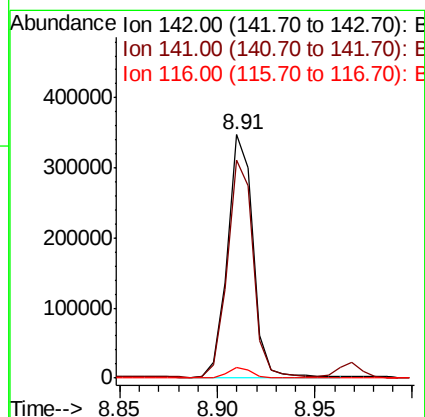
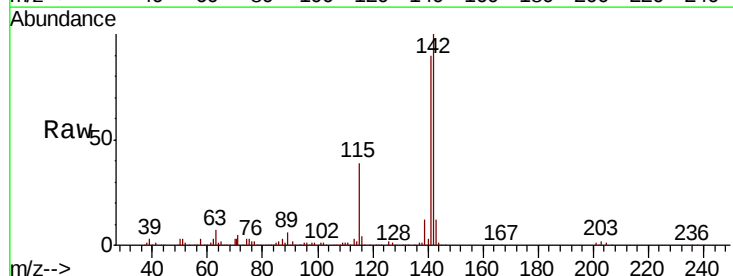
Instrument :  
BNA\_F  
ClientSampleId :

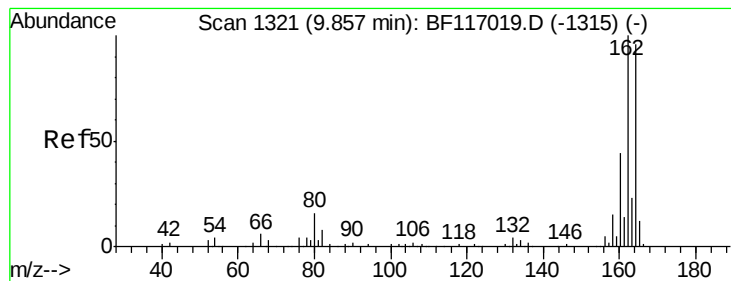
Tot Ion:142 Resp: 334431  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.7 106.1  
115 36.3 29.4 44.0



#38  
1-Methylnaphthalene  
Concen: 44.812 ng  
RT: 8.91 min Scan# 1160  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:142 Resp: 312267  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.9 107.9  
116 4.2 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

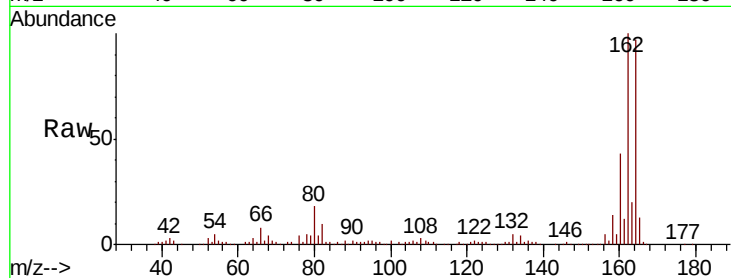
Tot Ion:164 Resp: 115584

Ion Ratio Lower Upper

164 100

162 103.2 83.4 125.2

160 44.2 36.4 54.6

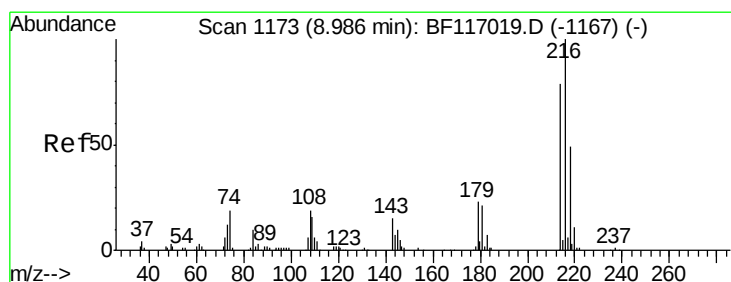
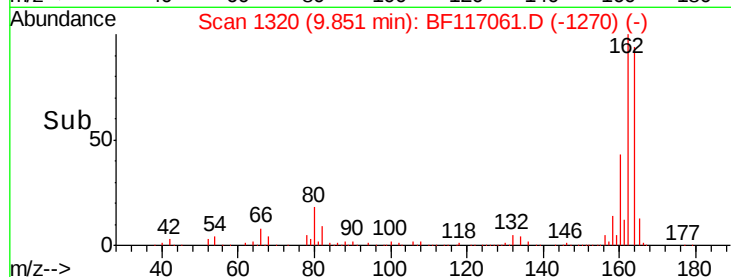
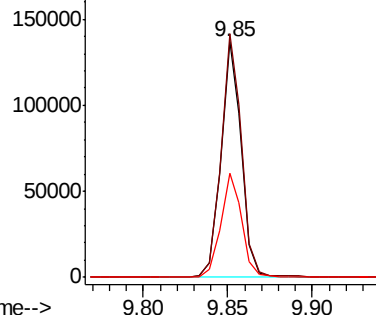


Abundance

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: 45.066 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:216 Resp: 134508

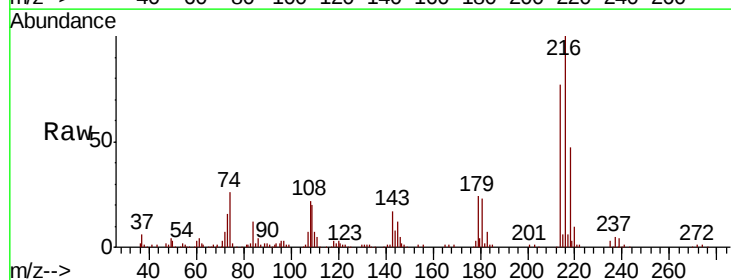
Ion Ratio Lower Upper

216 100

214 76.9 63.6 95.4

179 23.0 18.3 27.5

108 24.8 17.8 26.6



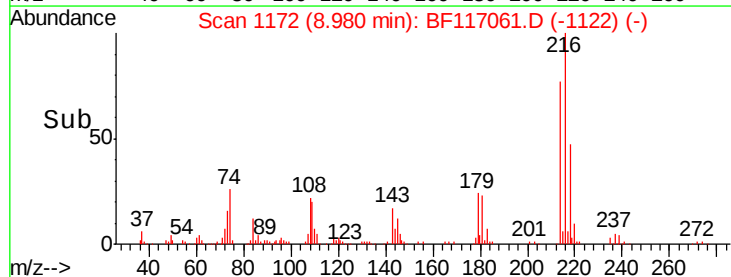
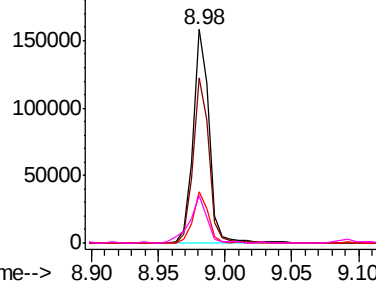
Abundance

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





#41

Hexachlorocyclopentadiene

Concen: 86.039 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

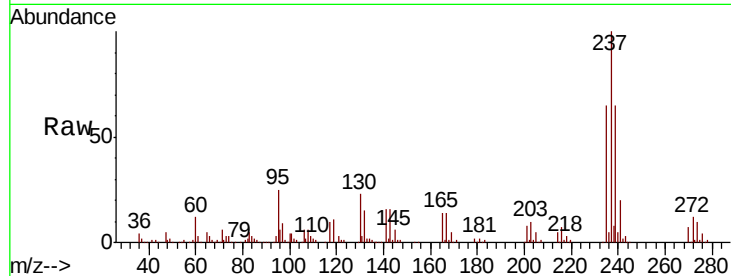
Tot Ion:237 Resp: 114378

Ion Ratio Lower Upper

237 100

235 65.5 43.2 83.2

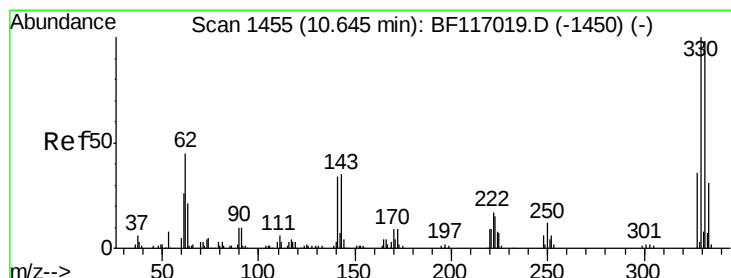
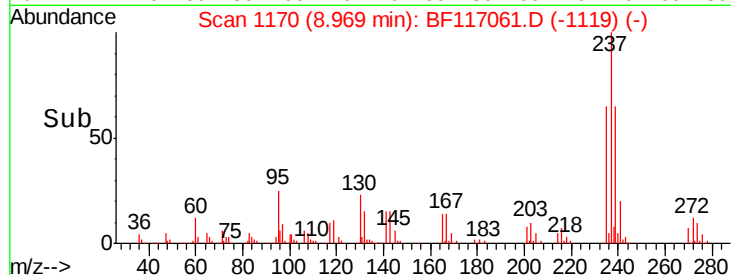
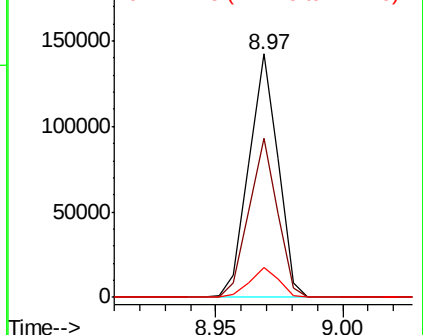
272 12.3 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 141.707 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

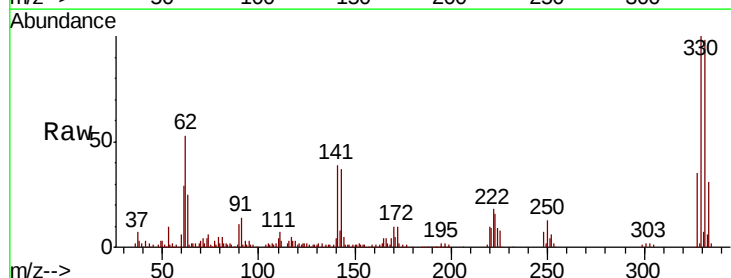
Tgt Ion:330 Resp: 136891

Ion Ratio Lower Upper

330 100

332 96.8 78.0 117.0

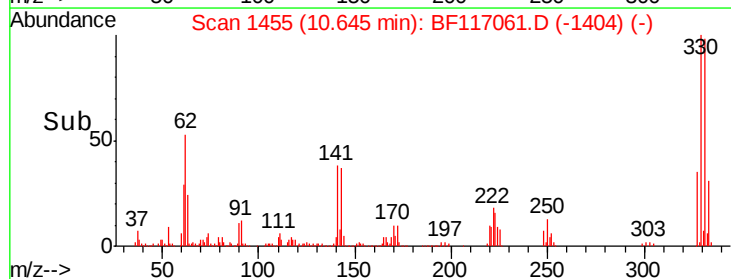
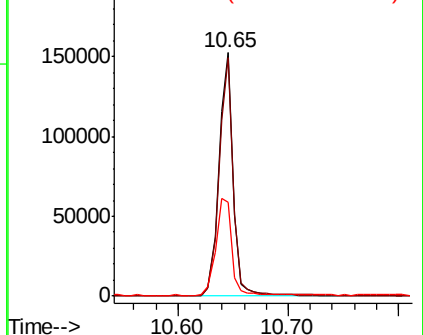
141 44.1 35.8 53.6



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

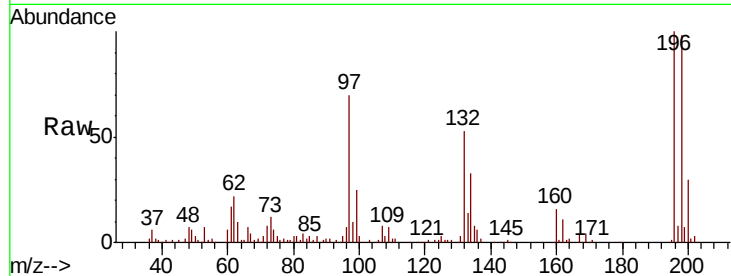




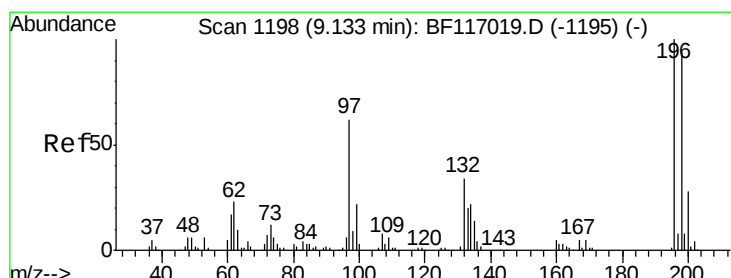
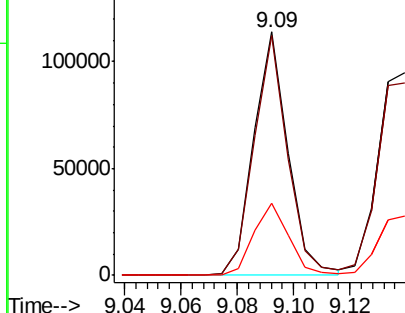
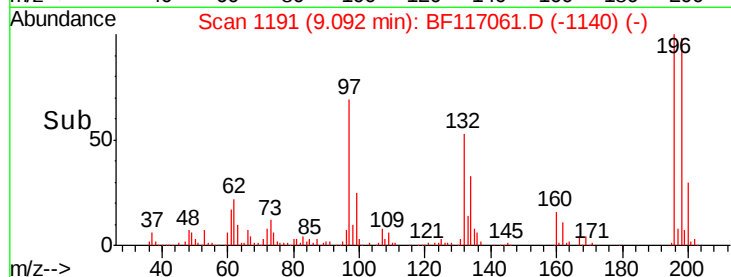
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.398 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 96004  
 Ion Ratio Lower Upper  
 196 100  
 198 98.3 75.7 113.5  
 200 29.8 23.3 34.9

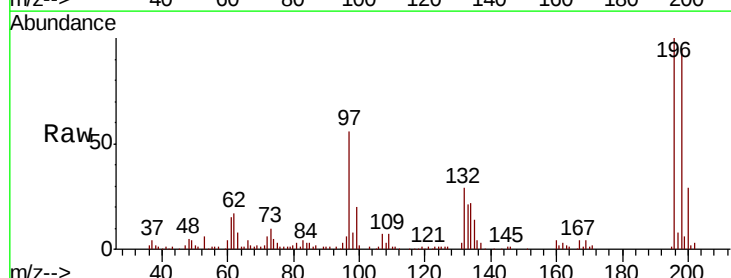


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

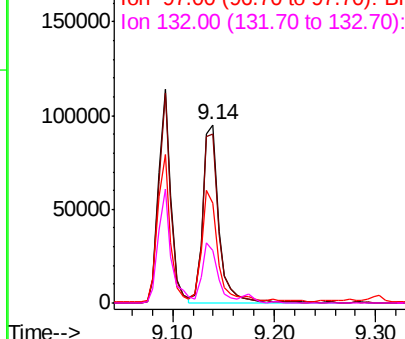
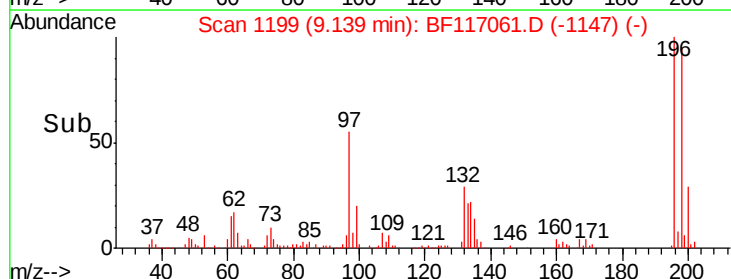


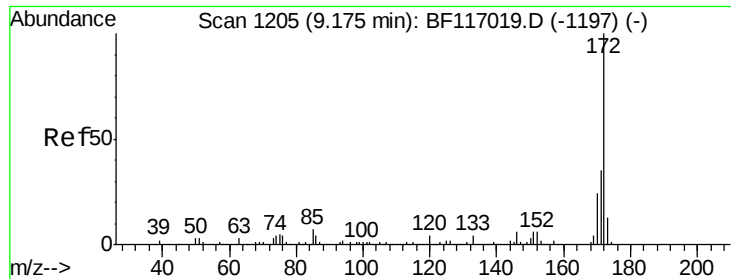
#44  
 2,4,5-Trichlorophenol  
 Concen: 48.921 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. 0.01 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Tgt Ion:196 Resp: 105869  
 Ion Ratio Lower Upper  
 196 100  
 198 95.0 74.6 112.0  
 97 55.9 49.5 74.3  
 132 29.4 27.4 41.2



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

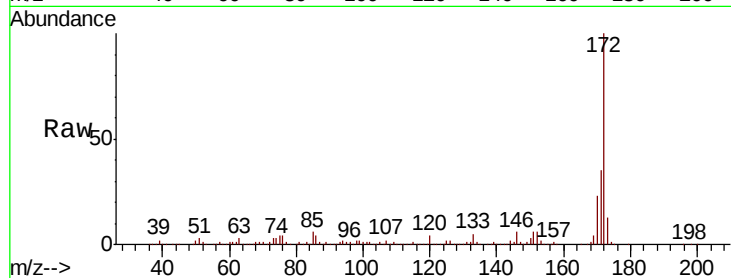




#45  
2-Fluorobiphenyl  
Concen: 91.051 ng  
RT: 9.17 min Scan# 1205  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.2  | 42.2  |
| 170     | 23.5  | 18.9  | 28.3  |

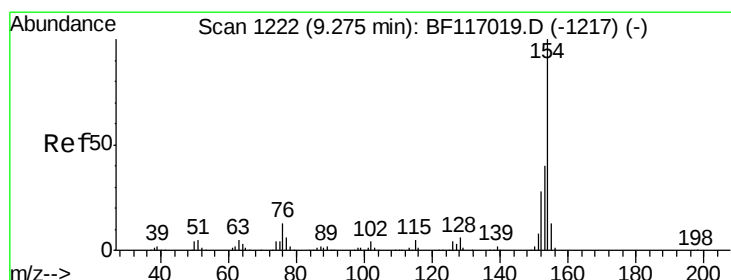
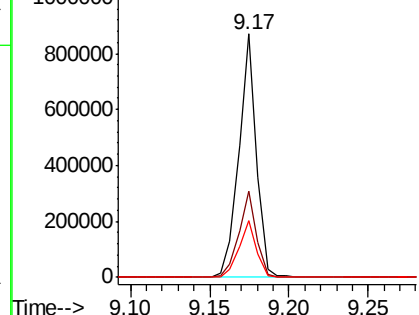
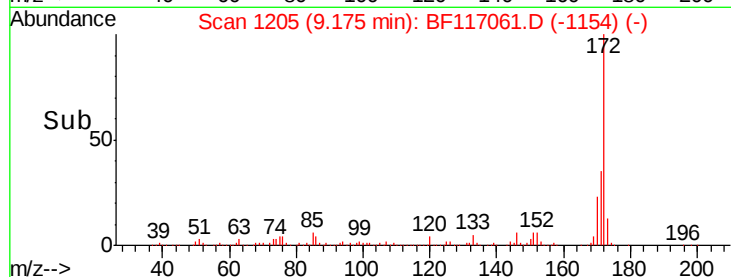


Abundance

Ion 172.00 (171.70 to 172.70): E

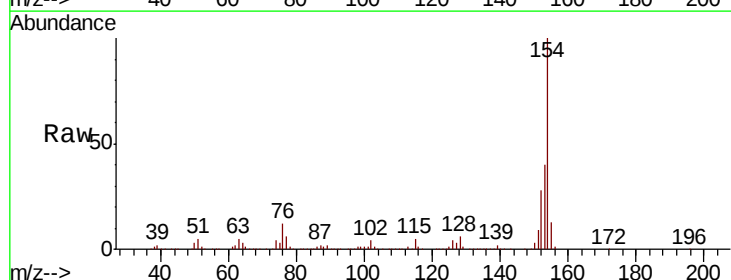
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 44.253 ng  
RT: 9.27 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.9  | 20.0  | 60.0  |
| 76      | 12.2  | 0.0   | 32.7  |

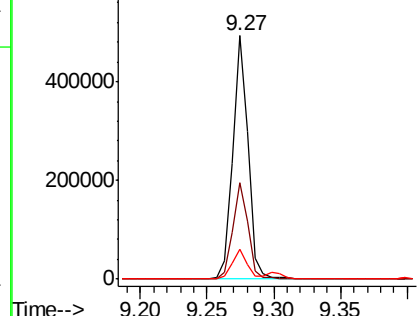
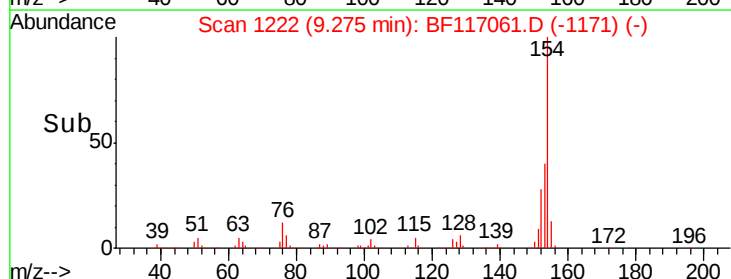


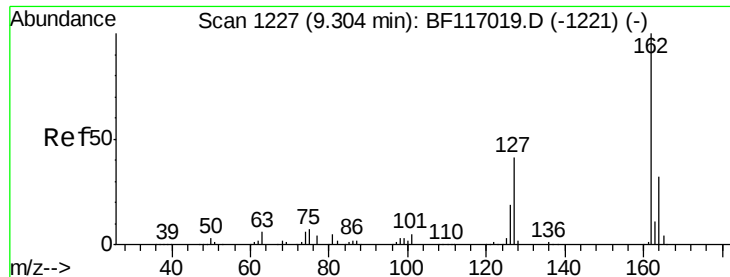
Abundance

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

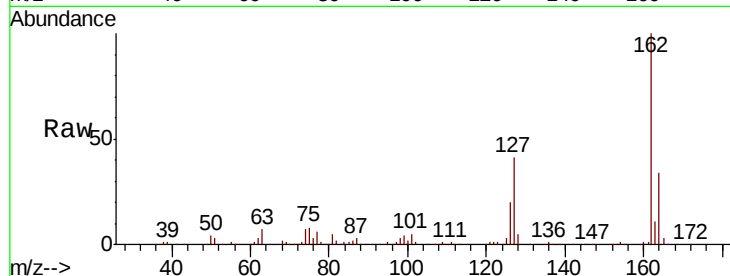




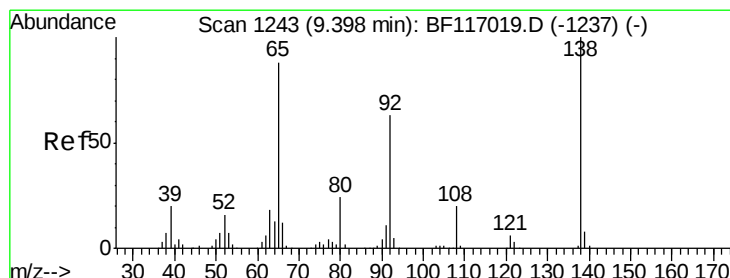
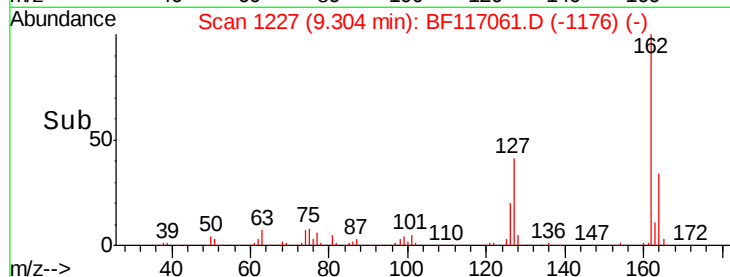
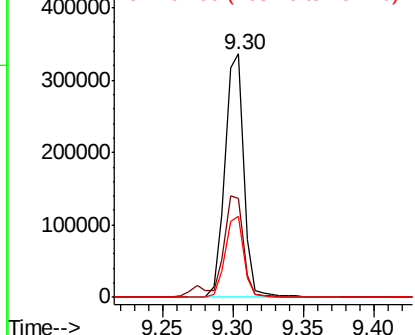
#47  
2-Chloronaphthalene  
Concen: 44.031 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.8  | 34.1  | 51.1  |
| 164     | 33.5  | 25.9  | 38.9  |

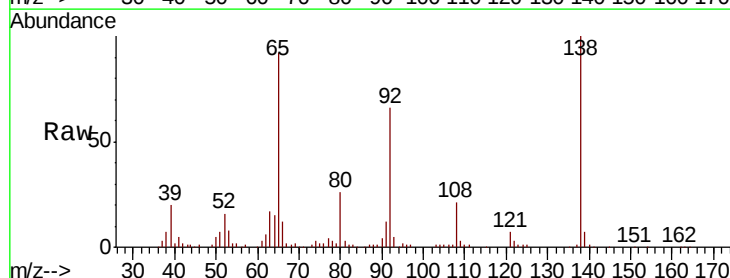


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

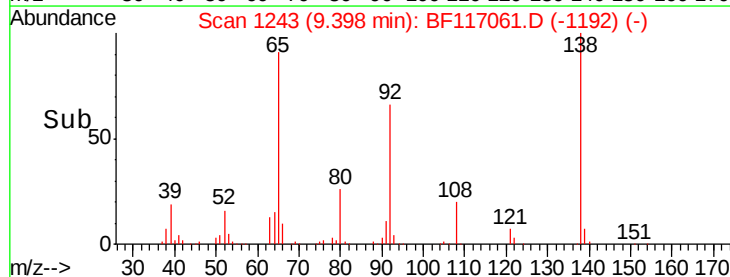
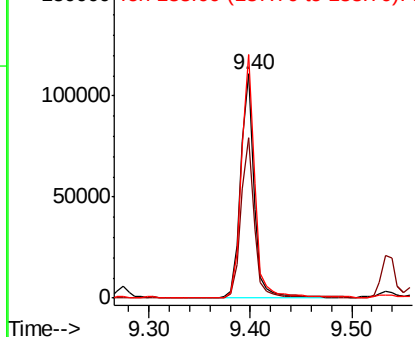


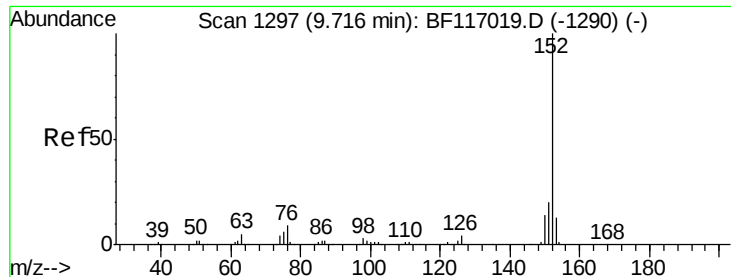
#48  
2-Nitroaniline  
Concen: 45.167 ng  
RT: 9.40 min Scan# 1243  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 71.6  | 57.5  | 86.3  |
| 138     | 108.7 | 90.6  | 136.0 |



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

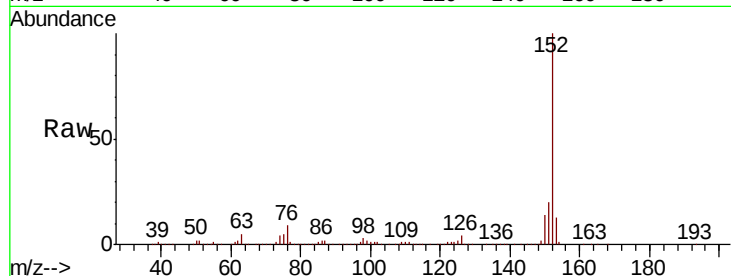




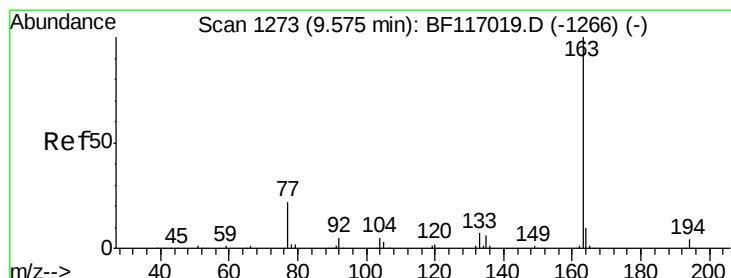
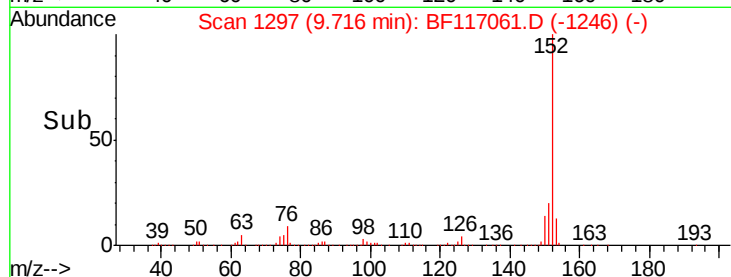
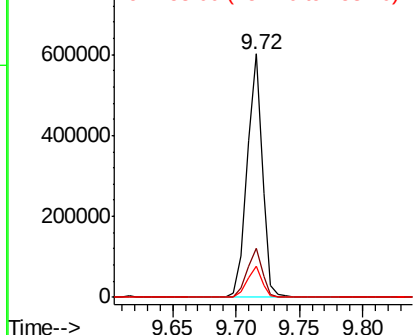
#49  
Acenaphthylene  
Concen: 46.626 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 499790  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.2  
153 12.7 10.2 15.4

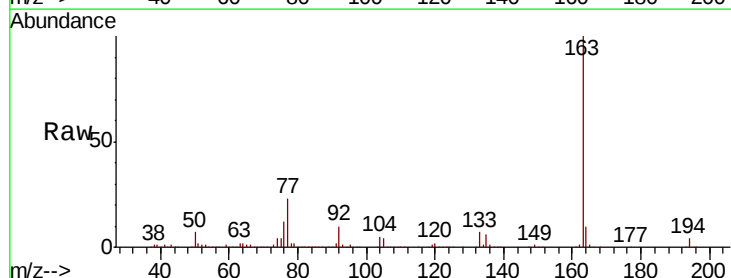


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E

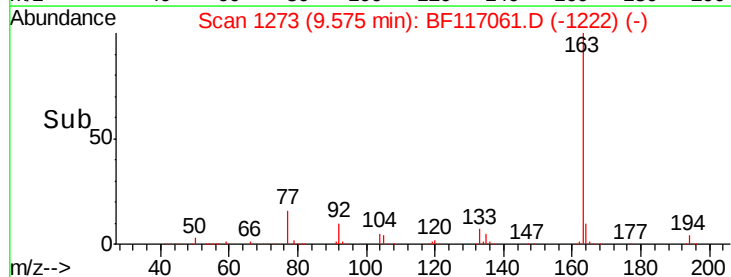
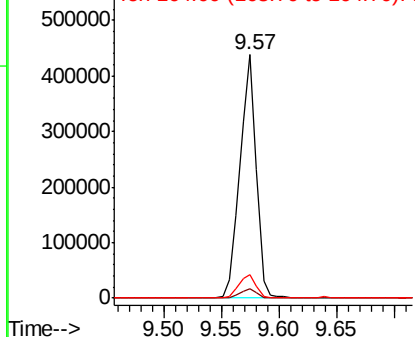


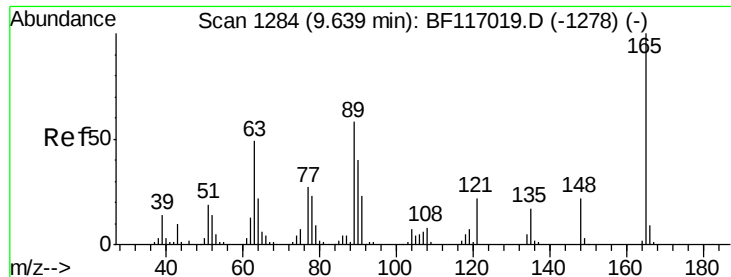
#50  
Dimethylphthalate  
Concen: 52.521 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:163 Resp: 429829  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.9 4.3  
164 9.8 8.2 12.4



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: 50.394 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampled :

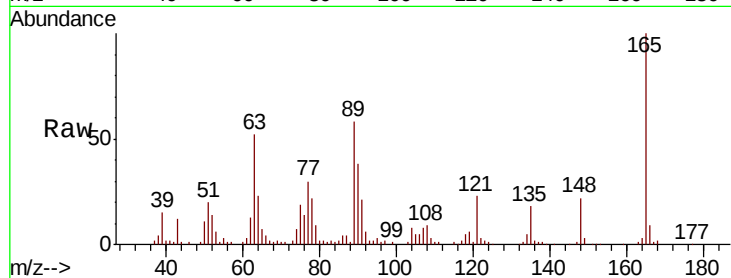
Tot Ion:165 Resp: 83996

Ion Ratio Lower Upper

165 100

63 51.9 41.8 62.8

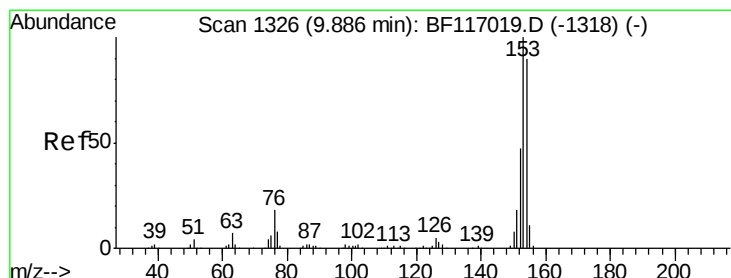
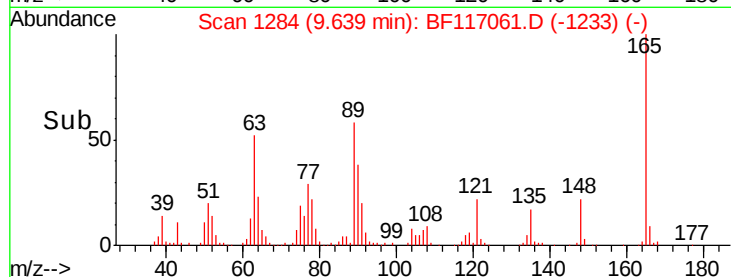
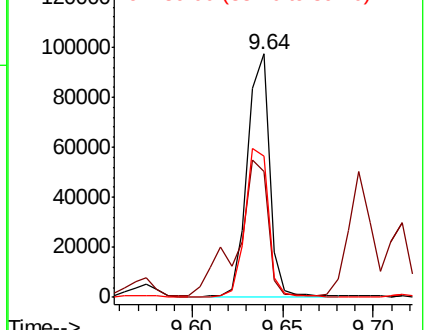
89 58.0 46.5 69.7



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: 44.659 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

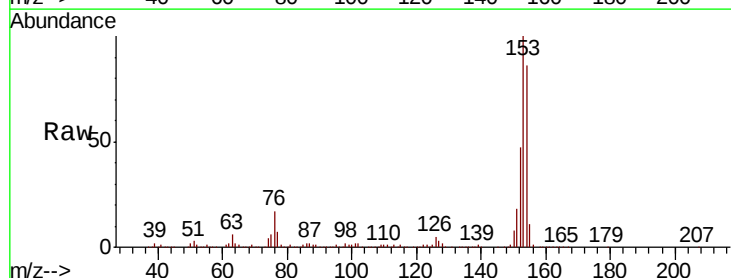
Tgt Ion:154 Resp: 283766

Ion Ratio Lower Upper

154 100

153 115.6 89.0 133.6

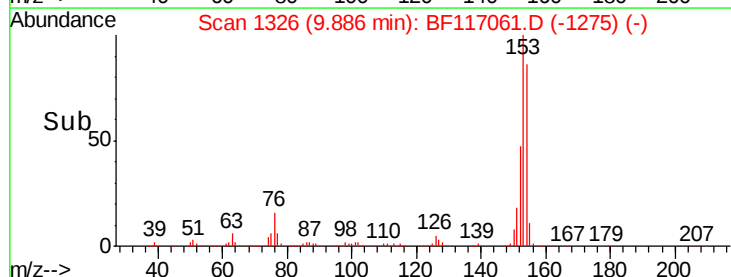
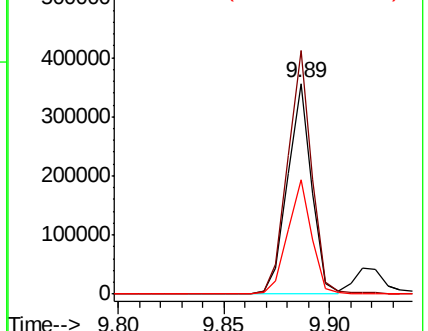
152 54.3 41.9 62.9

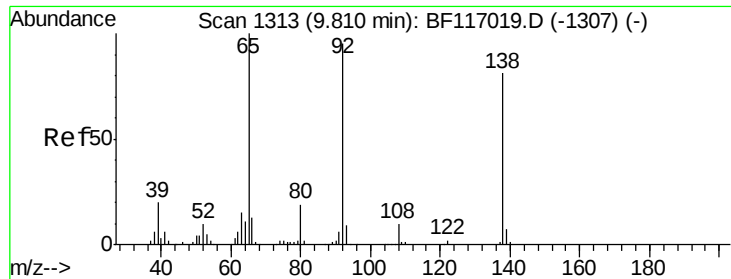


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

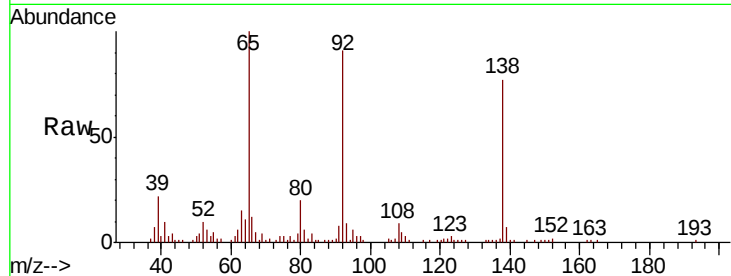




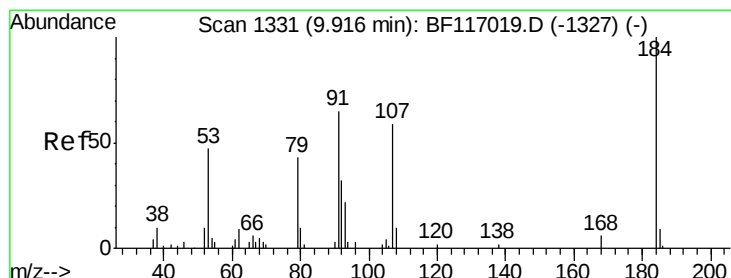
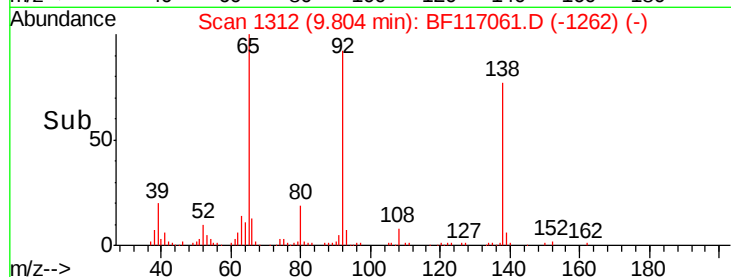
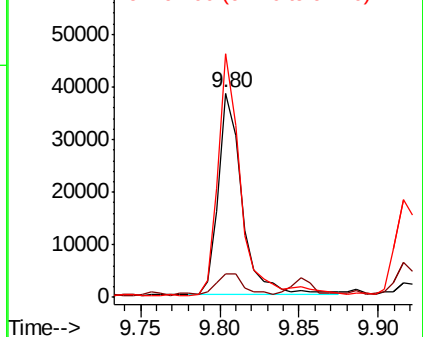
#53  
3-Nitroaniline  
Concen: 18.975 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:138 Resp: 39904  
Ion Ratio Lower Upper  
138 100  
108 11.3 9.5 14.3  
92 119.1 94.1 141.1

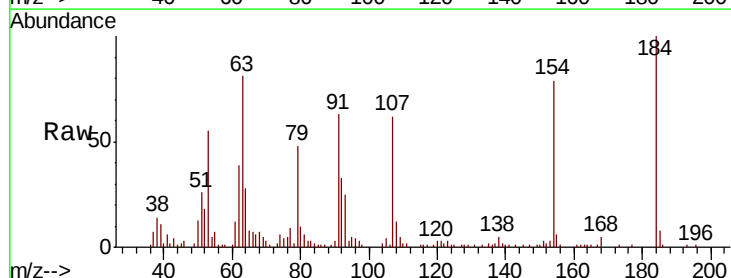


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

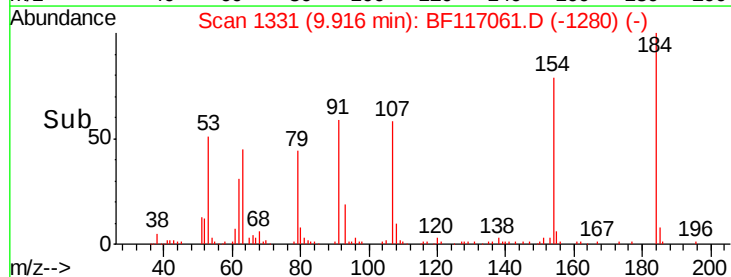
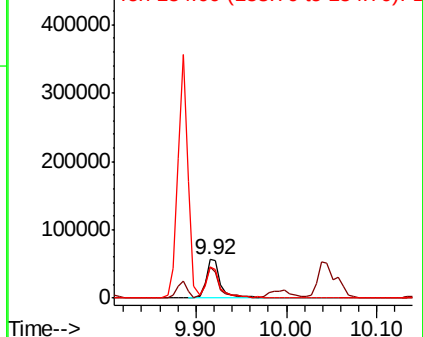


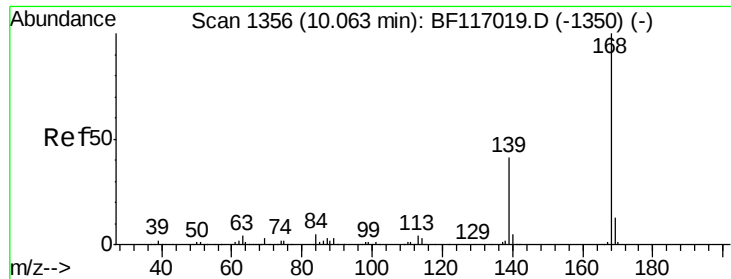
#54  
2,4-Dinitrophenol  
Concen: 90.210 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:184 Resp: 65876  
Ion Ratio Lower Upper  
184 100  
63 80.7 63.8 95.6  
154 79.0 60.4 90.6



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: 47.797 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

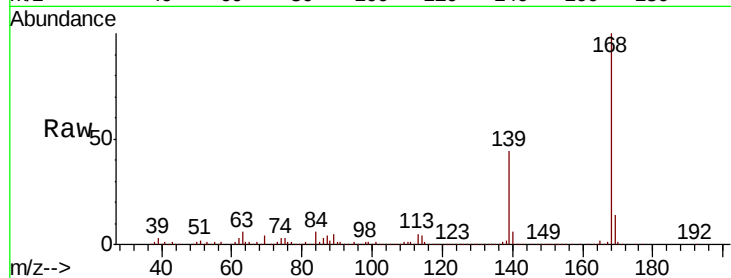
Tot Ion:168 Resp: 448100

Ion Ratio Lower Upper

168 100

139 44.0 32.8 49.2

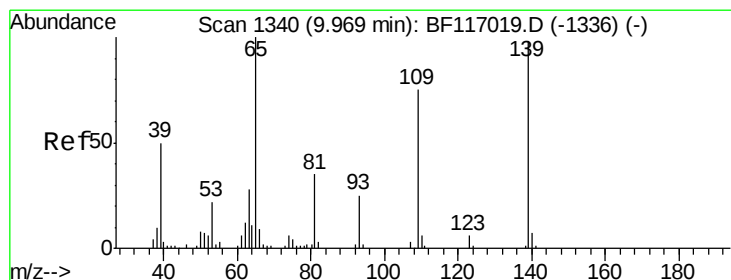
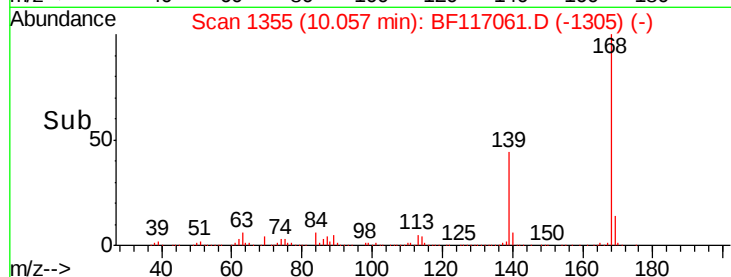
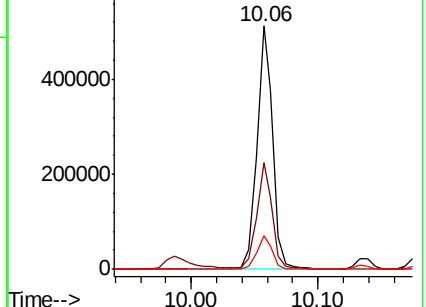
169 13.8 10.5 15.7



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: 30.808 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.02 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

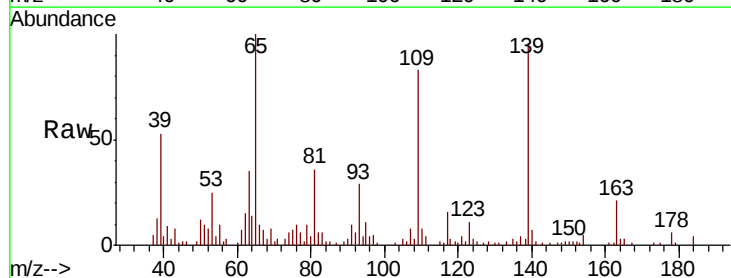
Tgt Ion:139 Resp: 41991

Ion Ratio Lower Upper

139 100

109 87.1 56.4 96.4

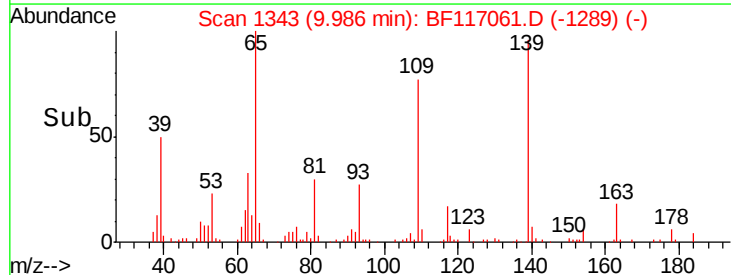
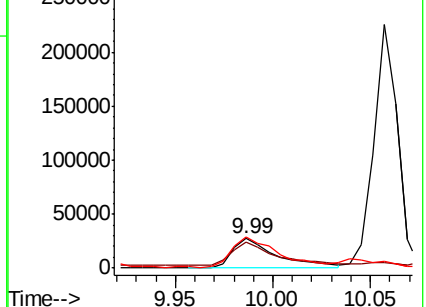
65 104.4 82.5 122.5

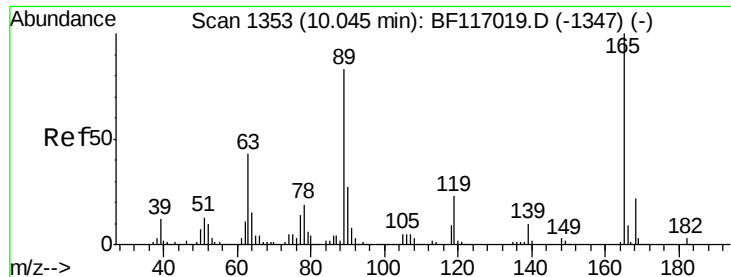


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

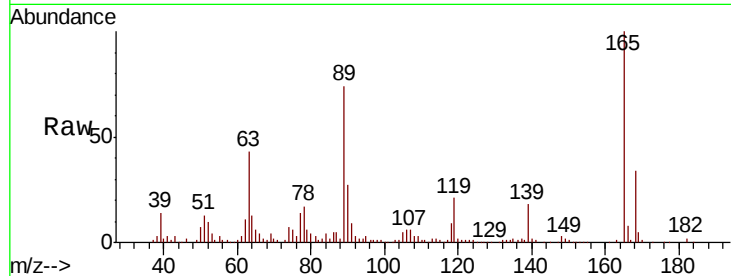




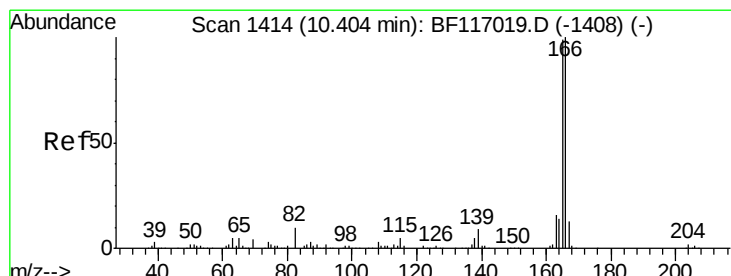
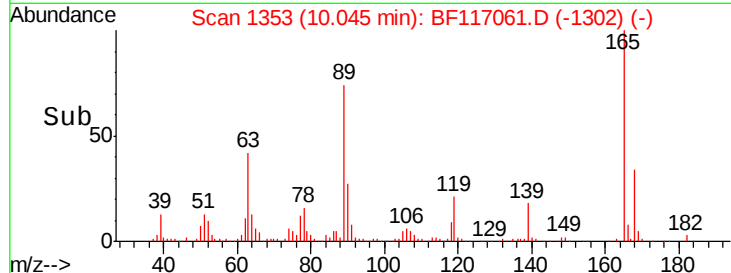
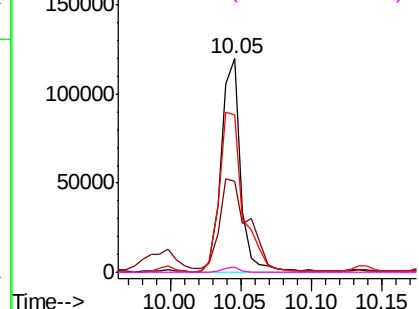
#57  
2,4-Dinitrotoluene  
Concen: 52.857 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.7  | 35.0  | 52.4  |
| 89      | 73.7  | 66.1  | 99.1  |
| 182     | 2.5   | 2.0   | 3.0   |

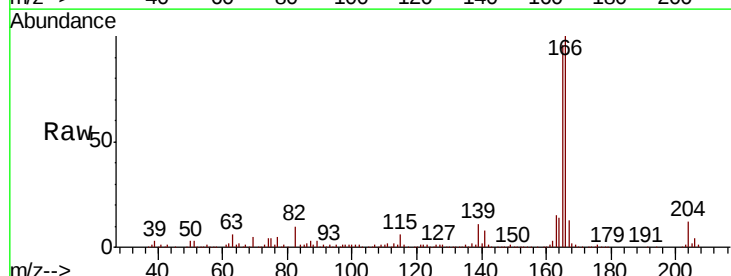


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

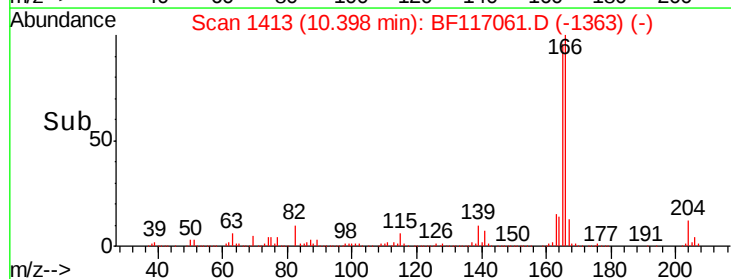
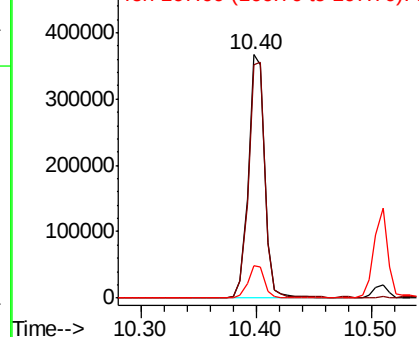


#58  
Fluorene  
Concen: 47.457 ng  
RT: 10.40 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 95.9  | 78.9  | 118.3 |
| 167     | 13.4  | 10.6  | 15.8  |



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

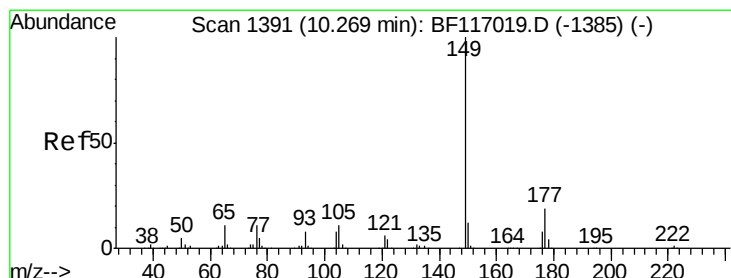
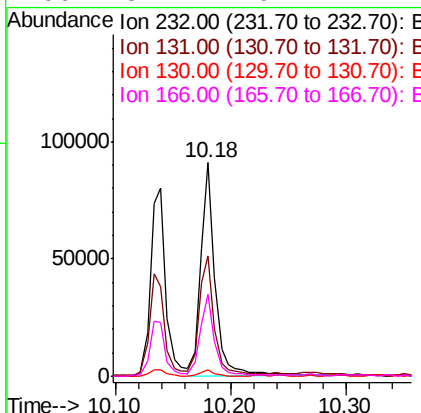
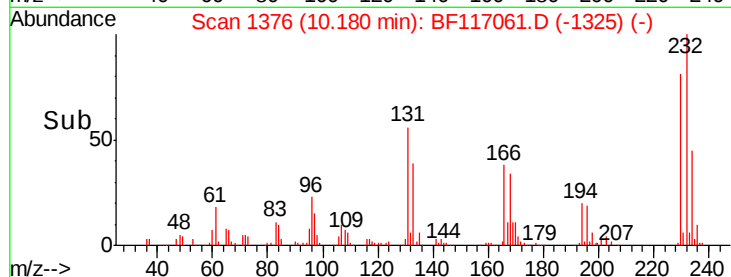
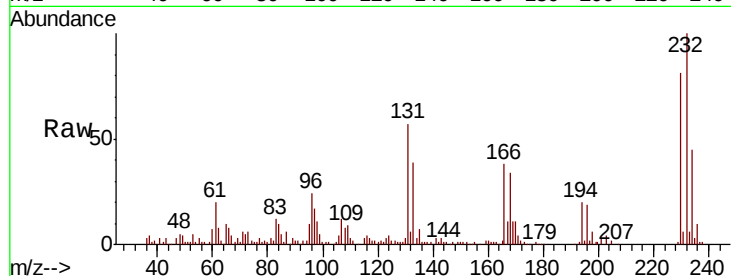




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 48.885 ng  
 RT: 10.18 min Scan# 1376  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

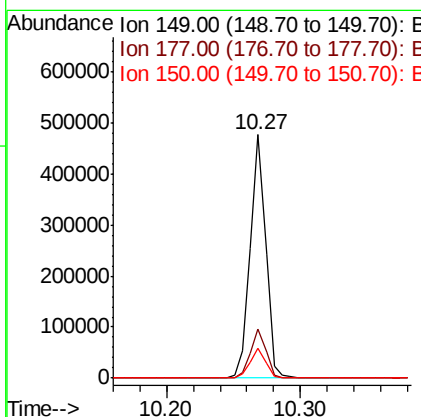
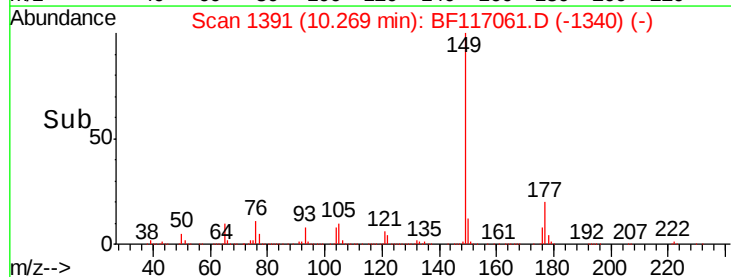
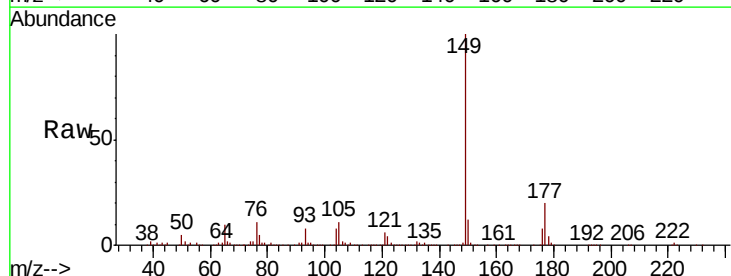
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 55.7  | 45.3  | 67.9  |
| 130     | 3.2   | 1.8   | 2.8   |
| 166     | 37.1  | 29.4  | 44.2  |



#60  
 Diethylphthalate  
 Concen: 46.521 ng  
 RT: 10.27 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 19.9  | 15.2  | 22.8  |
| 150     | 12.0  | 9.9   | 14.9  |

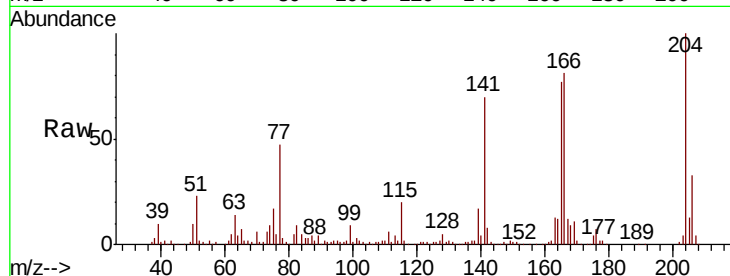




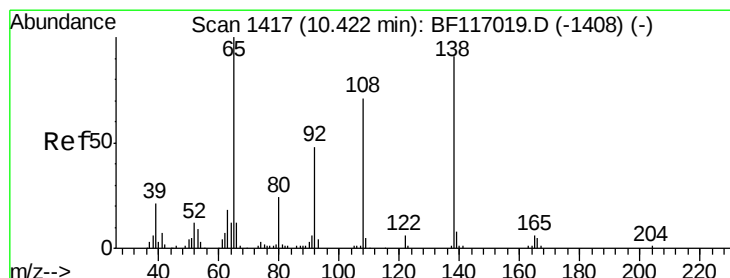
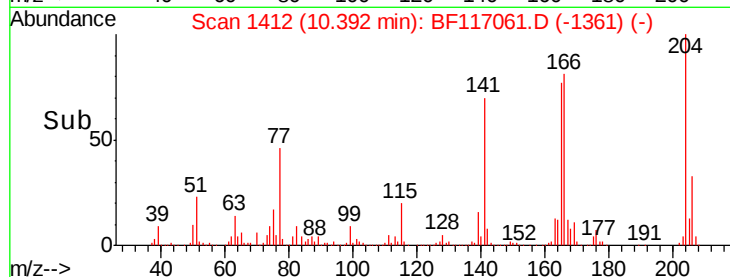
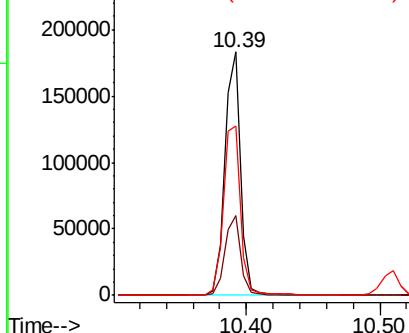
#61  
4-Chlorophenyl-phenylether  
Concen: 47.024 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:204 Resp: 153648  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.0 39.0  
141 69.5 58.2 87.2

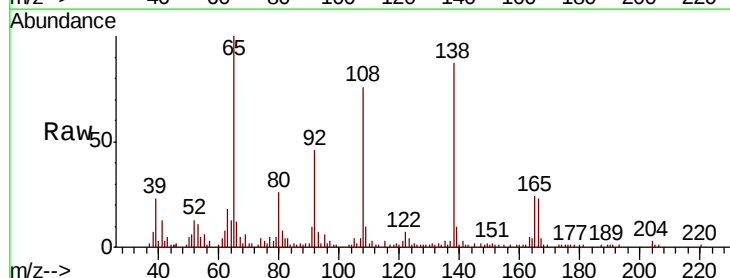


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

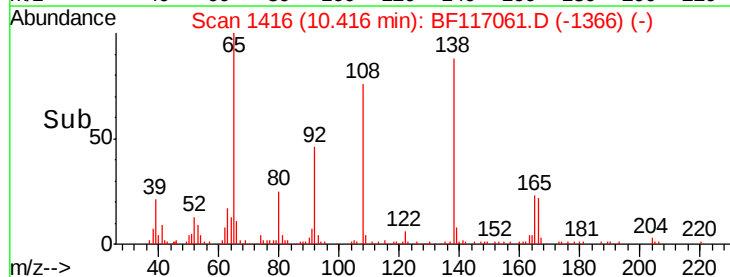
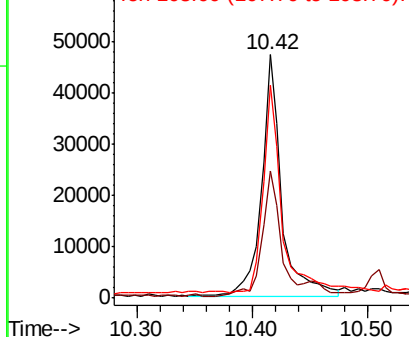


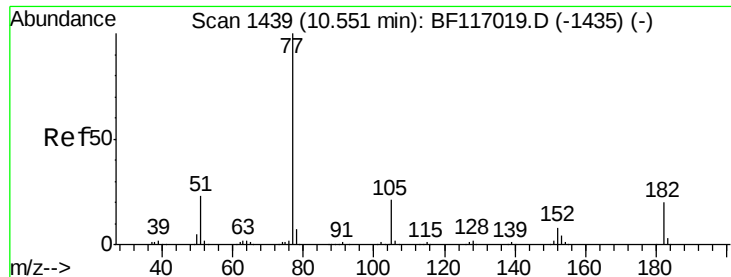
#62  
4-Nitroaniline  
Concen: 26.178 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:138 Resp: 57251  
Ion Ratio Lower Upper  
138 100  
92 52.2 32.9 72.9  
108 87.4 58.3 98.3



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: 46.548 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 77 Resp: 382775

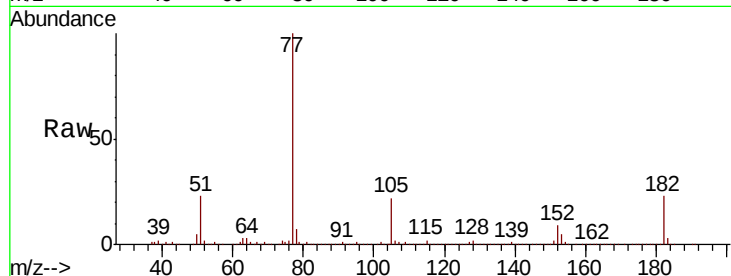
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 22.8  | 0.4   | 40.4  |
| 105 | 22.4  | 0.9   | 40.9  |
| 51  | 23.0  | 2.8   | 42.8  |

77 100

182 22.8 0.4 40.4

105 22.4 0.9 40.9

51 23.0 2.8 42.8

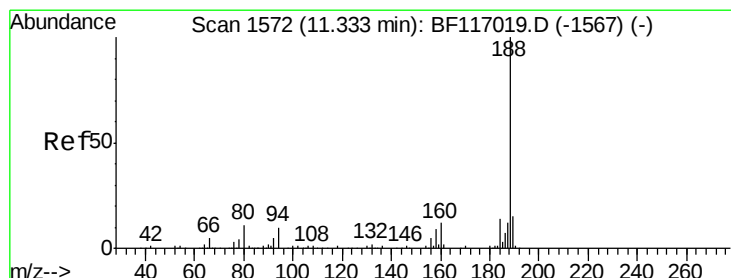
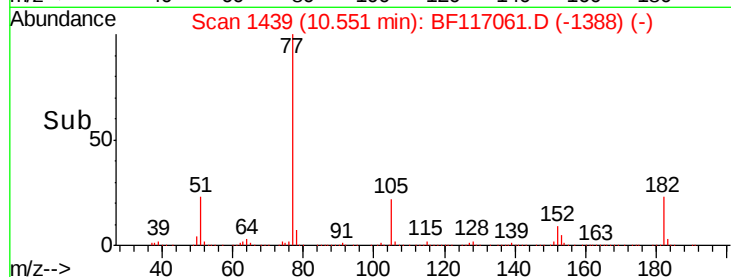
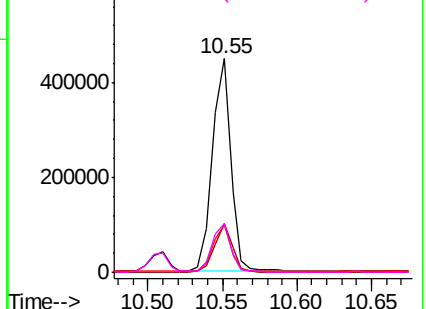


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

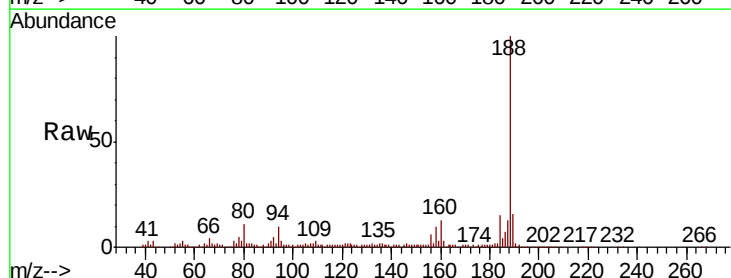
Tgt Ion: 188 Resp: 179519

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.3  | 8.2   | 12.2  |
| 80  | 10.8  | 9.0   | 13.6  |

188 100

94 10.3 8.2 12.2

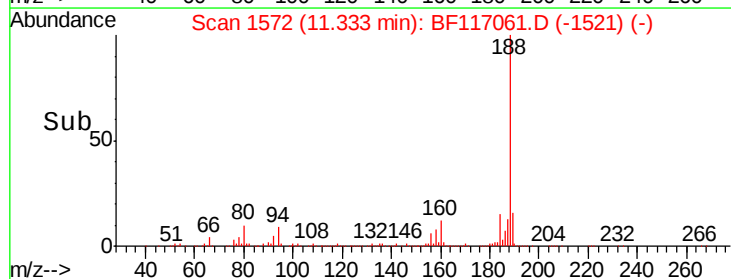
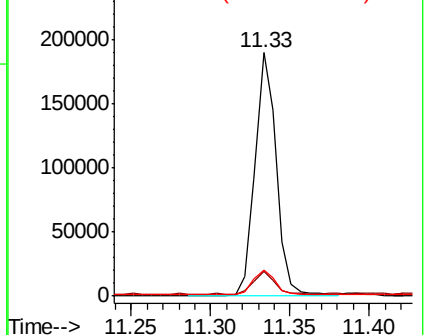
80 10.8 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 55.361 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

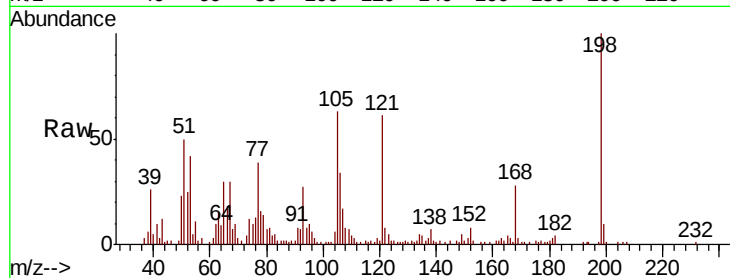
Tot Ion:198 Resp: 46295

Ion Ratio Lower Upper

198 100

51 50.4 18.7 58.7

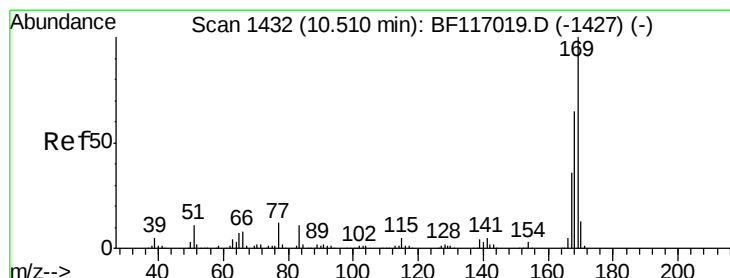
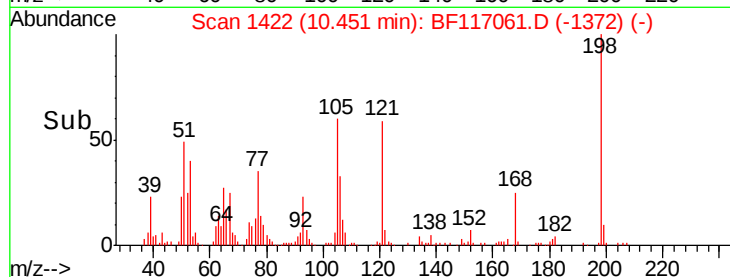
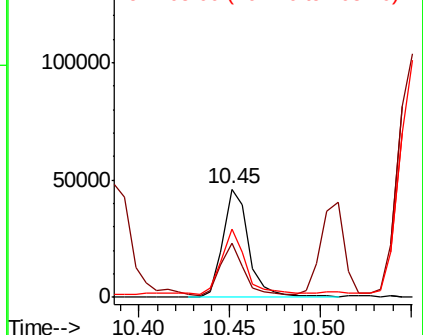
105 63.0 30.2 70.2



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.473 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

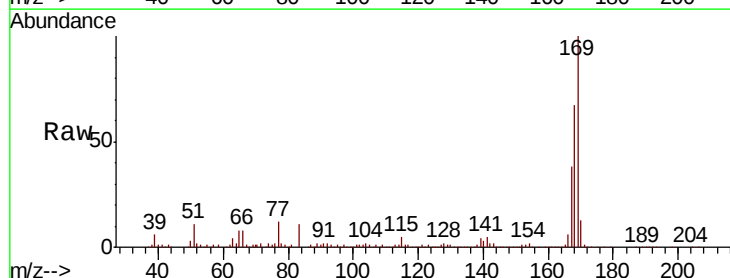
Tgt Ion:169 Resp: 306724

Ion Ratio Lower Upper

169 100

168 67.0 52.2 78.2

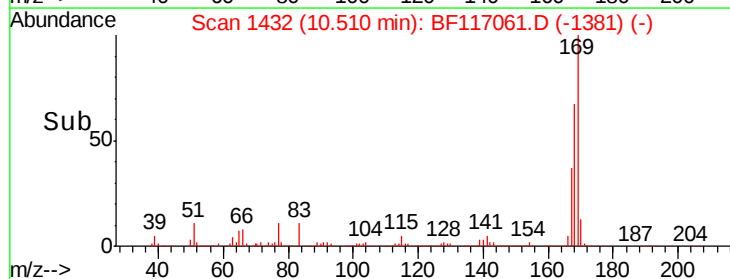
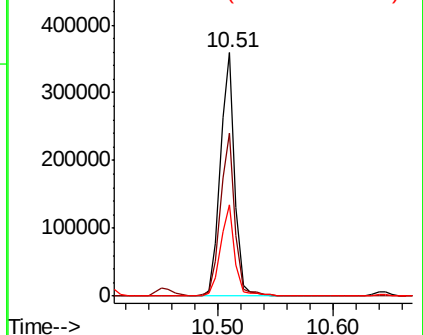
167 37.5 28.8 43.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

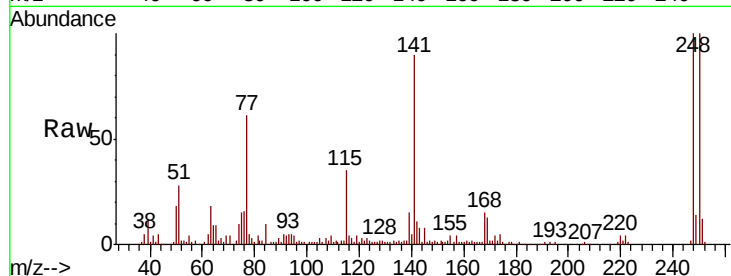




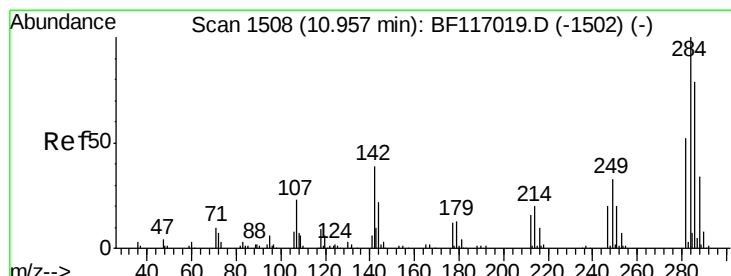
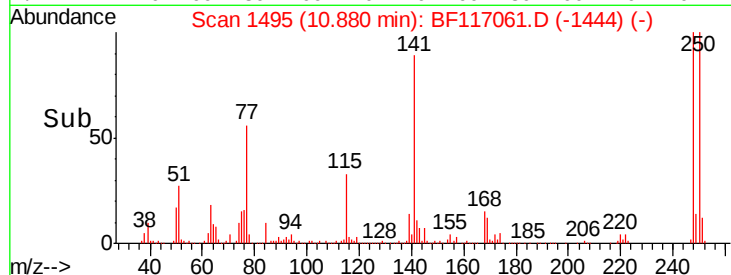
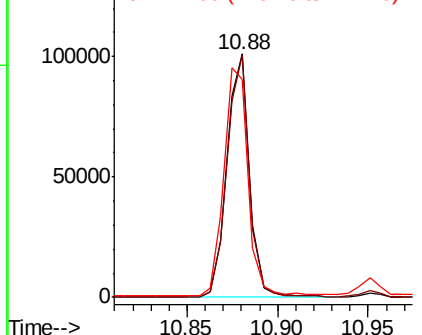
#67  
 4-Bromophenyl-phenylether  
 Concen: 47.854 ng  
 RT: 10.88 min Scan# 1495  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:248 Resp: 87731  
 Ion Ratio Lower Upper  
 248 100  
 250 99.8 76.2 114.4  
 141 89.7 75.0 112.4

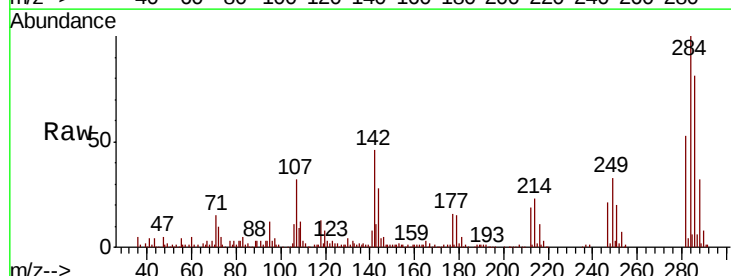


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

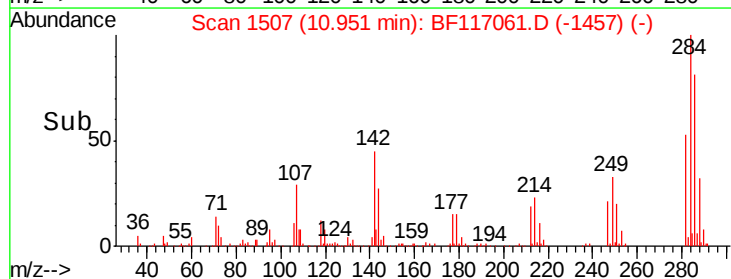
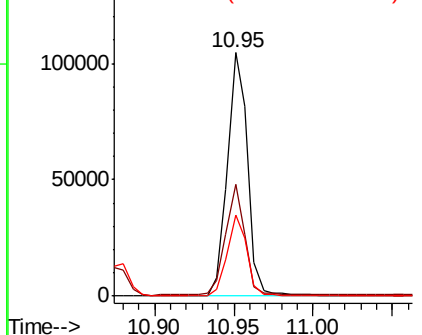


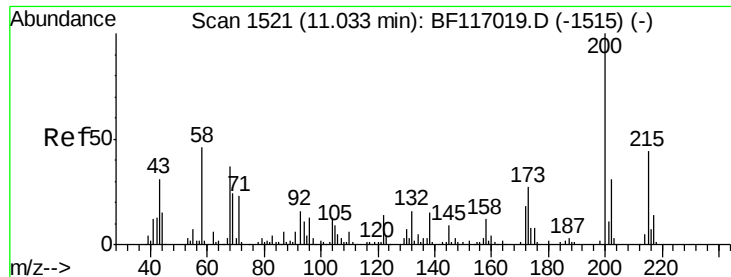
#68  
 Hexachlorobenzene  
 Concen: 46.203 ng  
 RT: 10.95 min Scan# 1507  
 Delta R.T. -0.01 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Tgt Ion:284 Resp: 92646  
 Ion Ratio Lower Upper  
 284 100  
 142 45.8 31.4 47.2  
 249 33.4 26.5 39.7



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

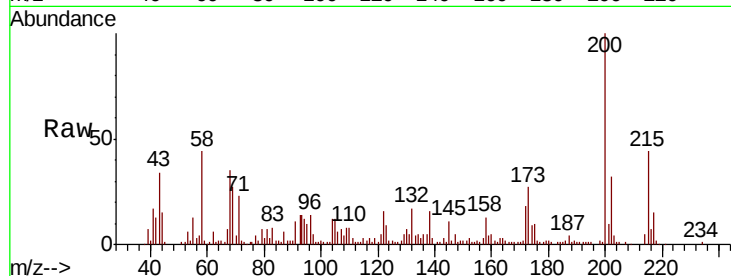




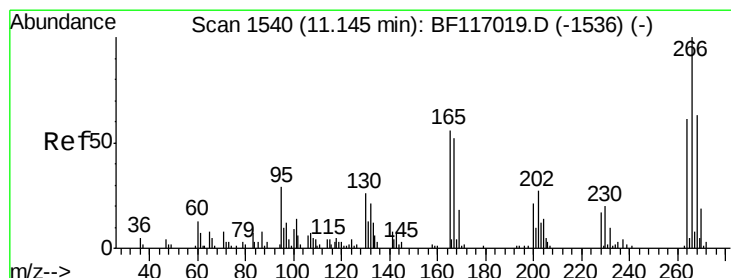
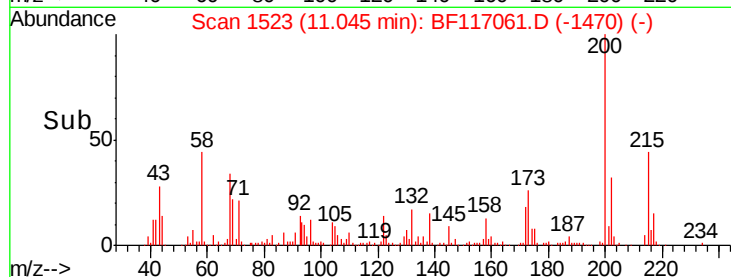
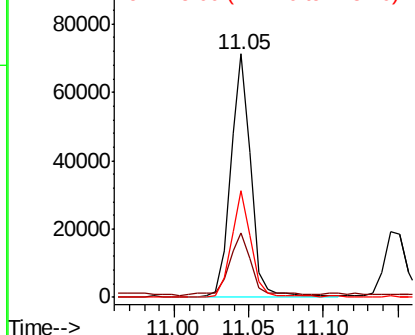
#69  
 Atrazine  
 Concen: 43.869 ng  
 RT: 11.05 min Scan# 1523  
 Delta R.T. 0.01 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:200 Resp: 68131  
 Ion Ratio Lower Upper  
 200 100  
 173 26.6 6.9 46.9  
 215 43.7 23.8 63.8

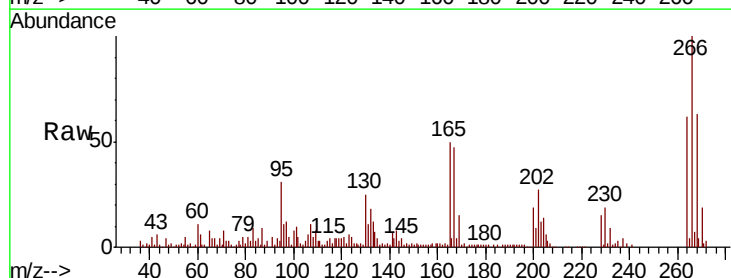


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

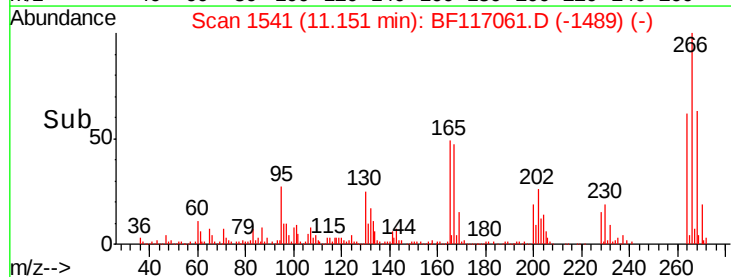
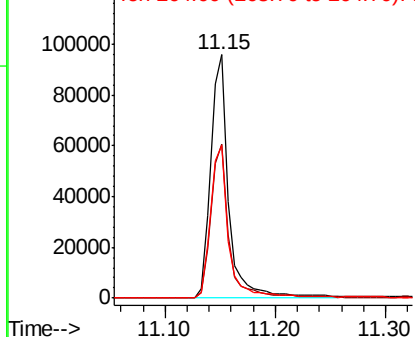


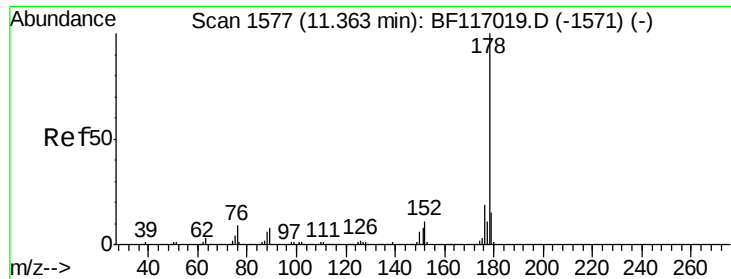
#70  
 Pentachlorophenol  
 Concen: 114.197 ng  
 RT: 11.15 min Scan# 1541  
 Delta R.T. 0.01 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Tgt Ion:266 Resp: 107338  
 Ion Ratio Lower Upper  
 266 100  
 268 63.5 50.5 75.7  
 264 62.5 48.8 73.2



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

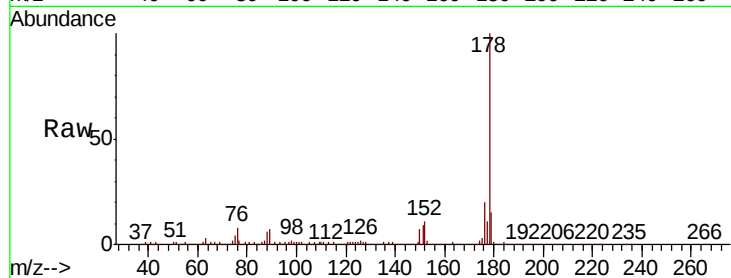




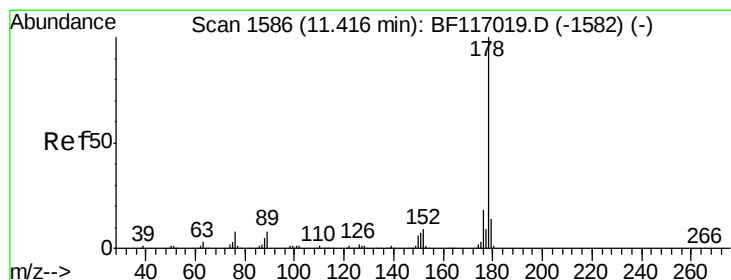
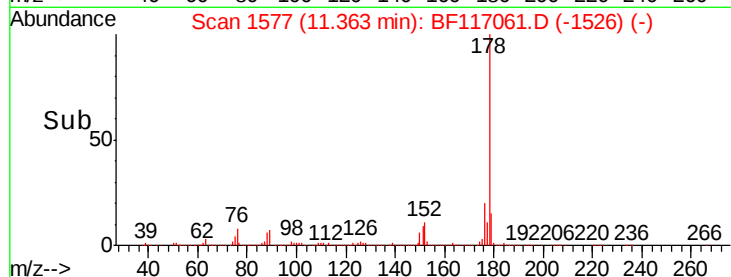
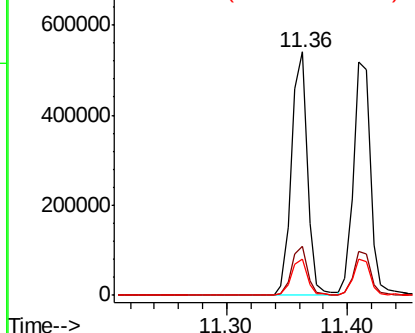
#71  
Phenanthrene  
Concen: 47.753 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 486920  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.4 23.2  
179 14.9 12.4 18.6

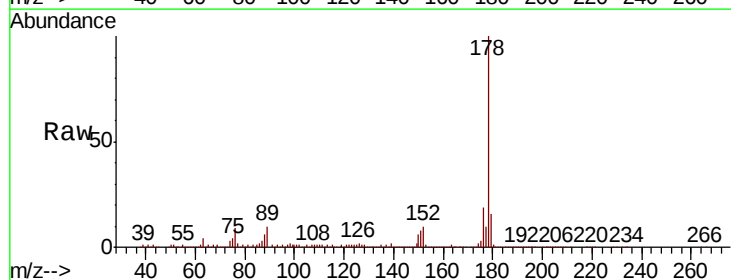


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

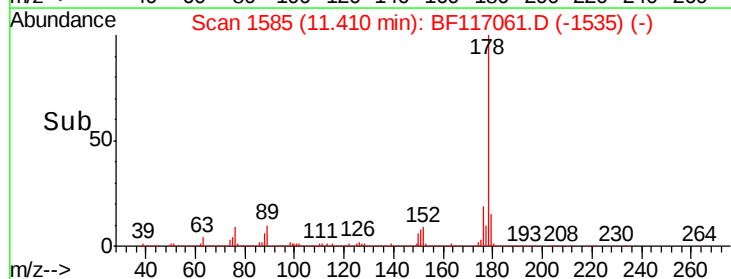
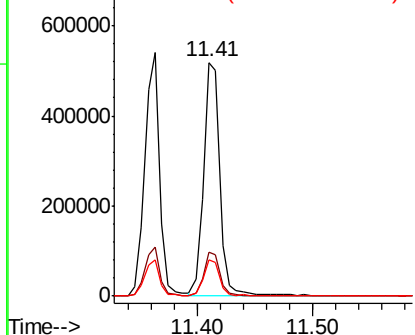


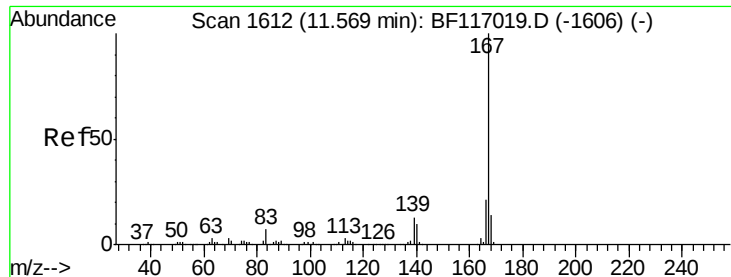
#72  
Anthracene  
Concen: 48.829 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:178 Resp: 508307  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.6 21.8  
179 15.6 11.6 17.4



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





#73

Carbazole

Concen: 44.774 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

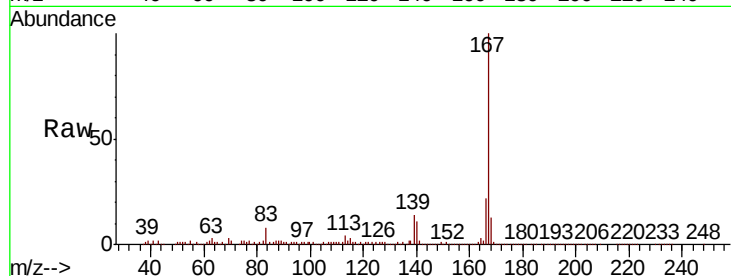
Tot Ion:167 Resp: 442415

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

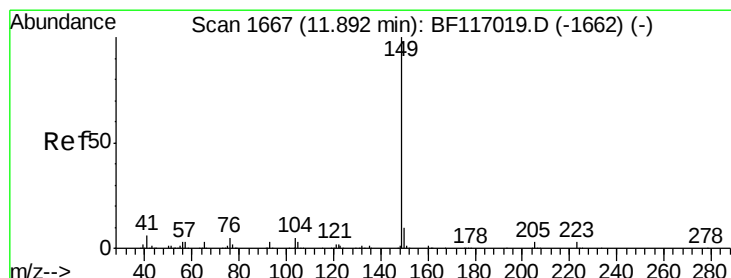
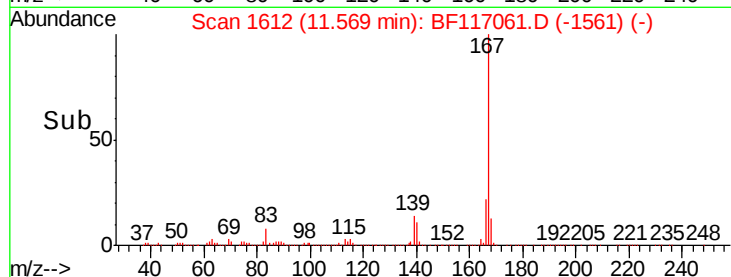
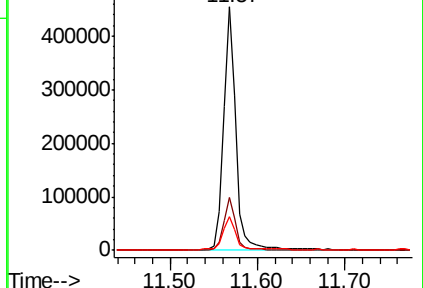
139 14.0 10.6 16.0



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



#74

Di-n-butylphthalate

Concen: 47.663 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

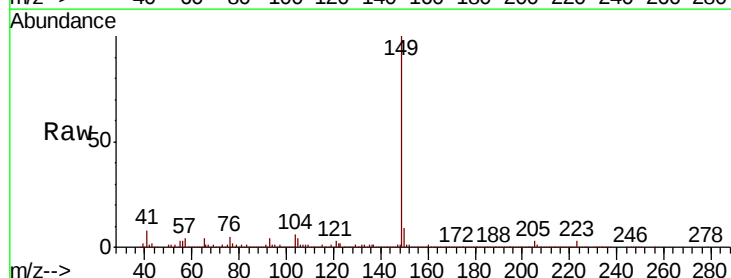
Tgt Ion:149 Resp: 560342

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

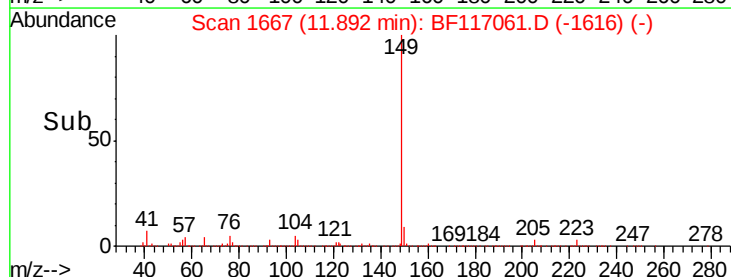
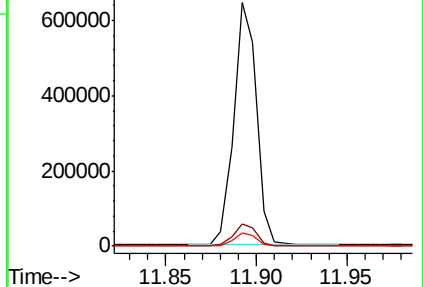
104 5.5 4.2 6.4

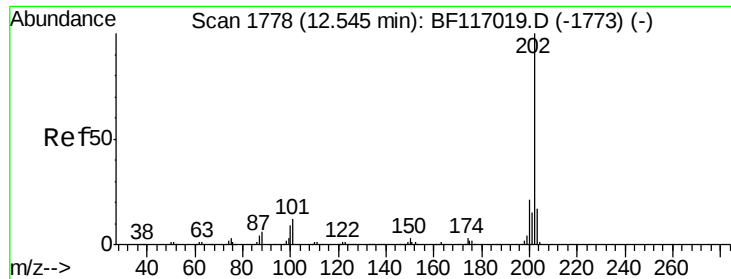


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.854 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampleId :

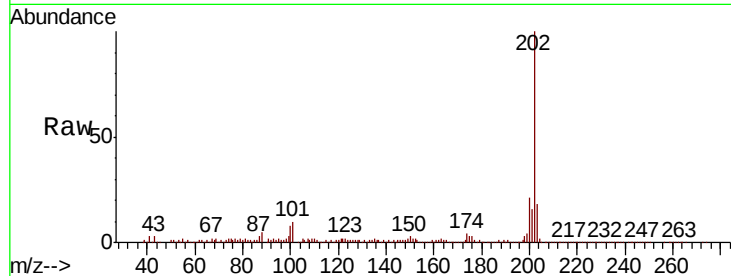
Tot Ion:202 Resp: 448985

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.3

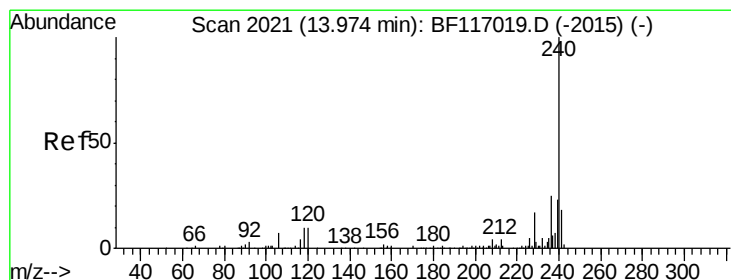
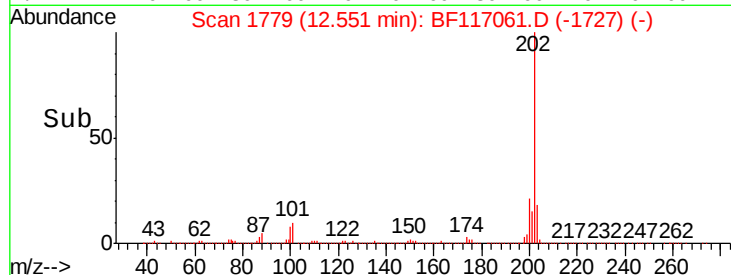
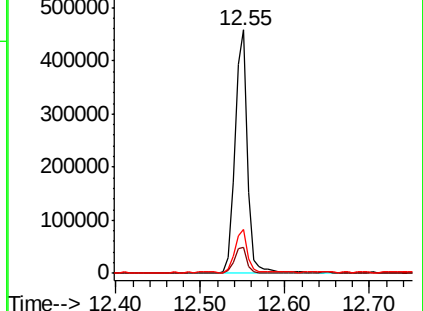
203 17.8 0.0 37.1



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

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

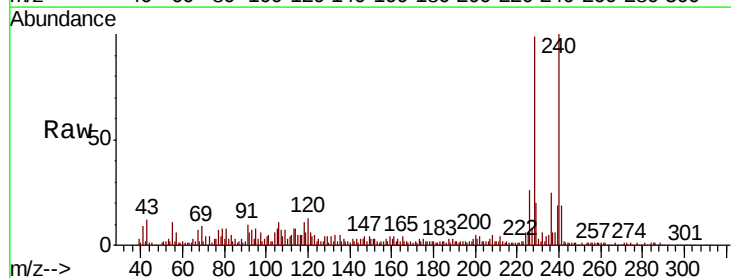
Tgt Ion:240 Resp: 111188

Ion Ratio Lower Upper

240 100

120 13.4 8.3 12.5#

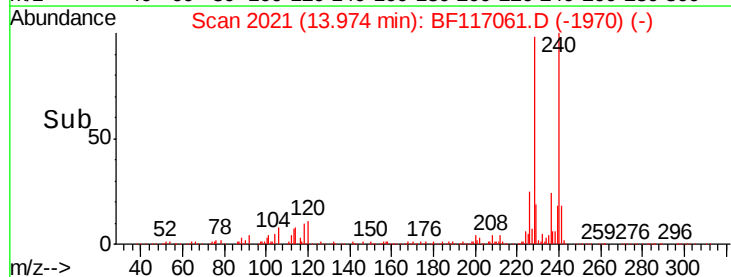
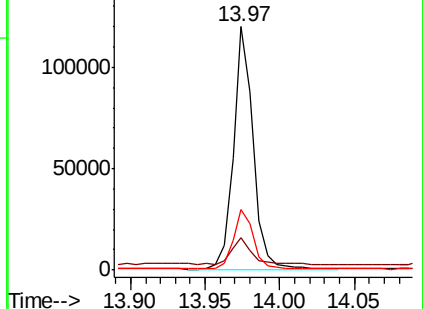
236 25.0 20.3 30.5

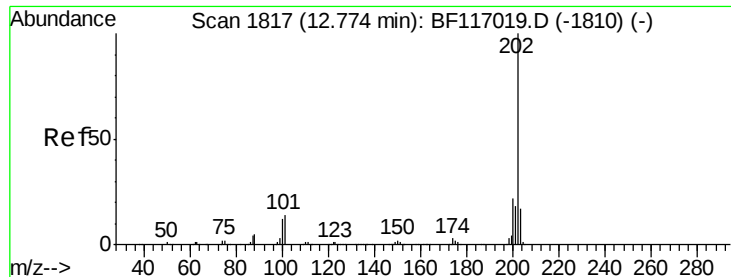


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

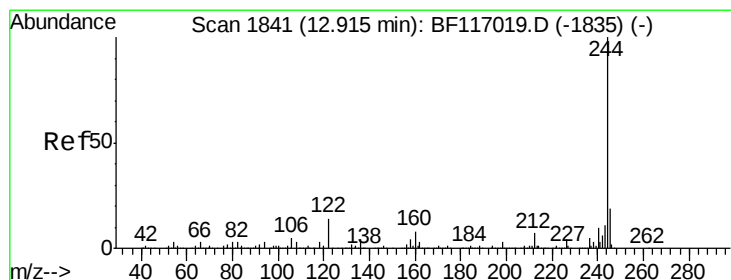
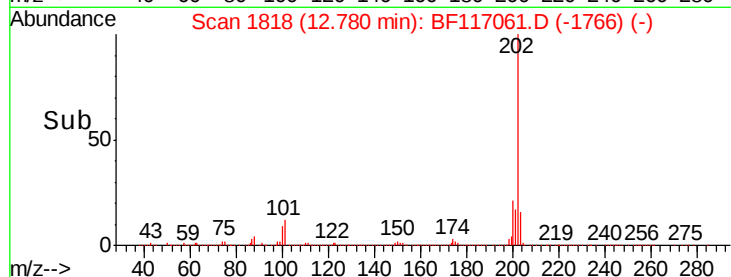
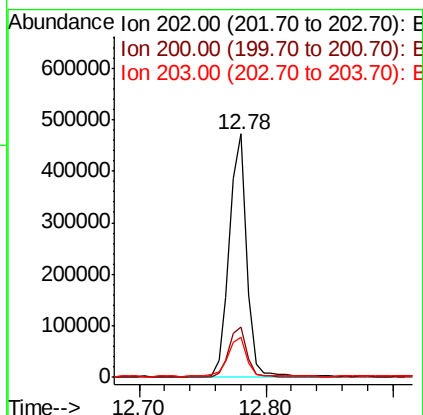
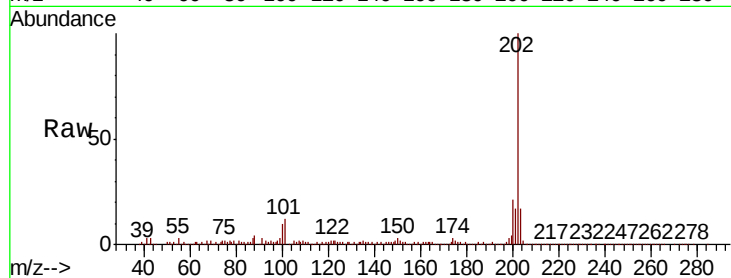




#78  
Pvrene  
Concen: 47.600 ng  
RT: 12.78 min Scan# 1818  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

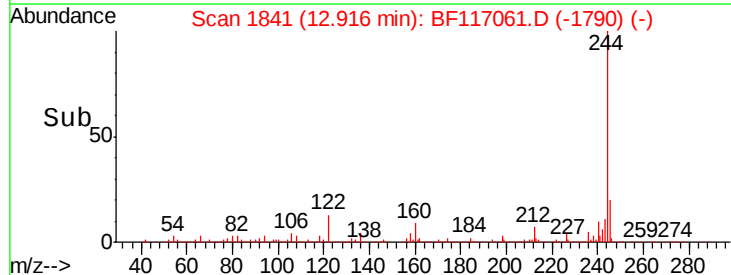
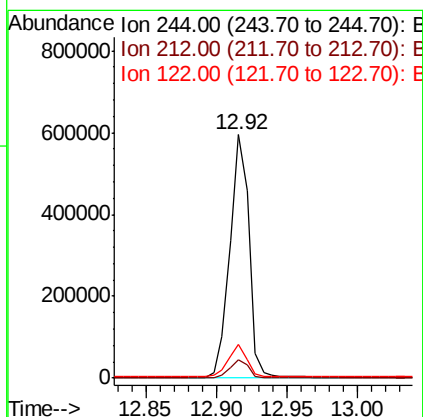
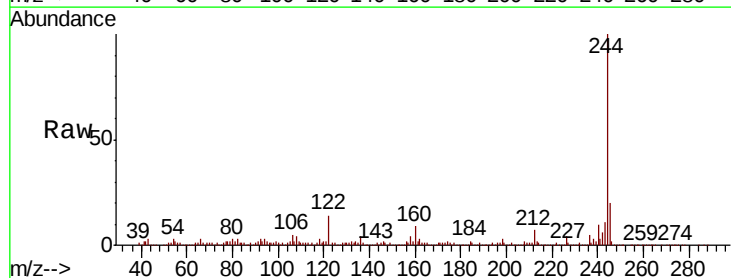
Instrument :  
BNA\_F  
ClientSampleId :

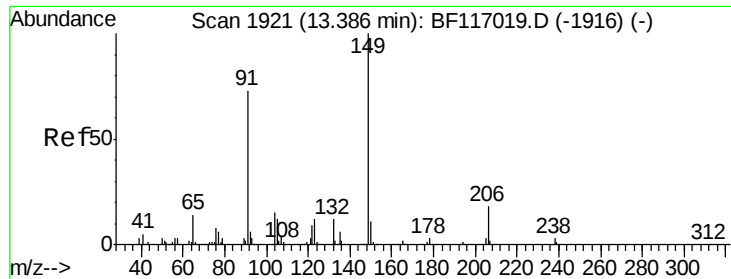
Tot Ion:202 Resp: 444088  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.2 25.8  
203 16.6 14.0 21.0



#79  
Terphenyl-d14  
Concen: 94.733 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:244 Resp: 563503  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.8 8.8  
122 14.0 11.3 16.9

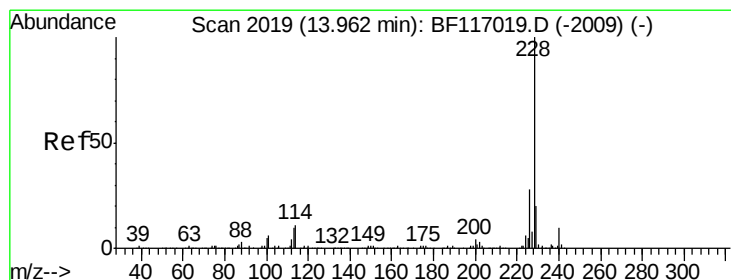
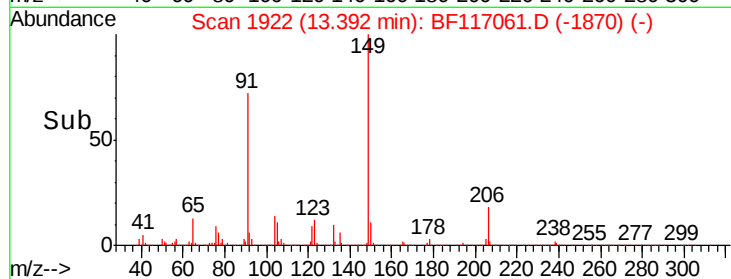
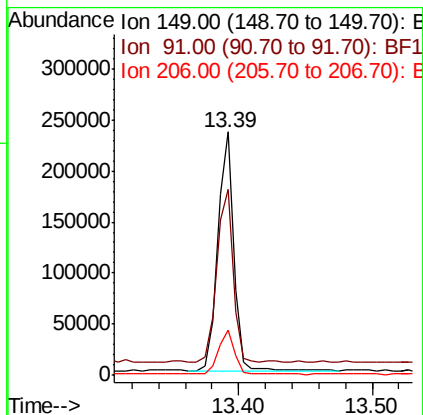
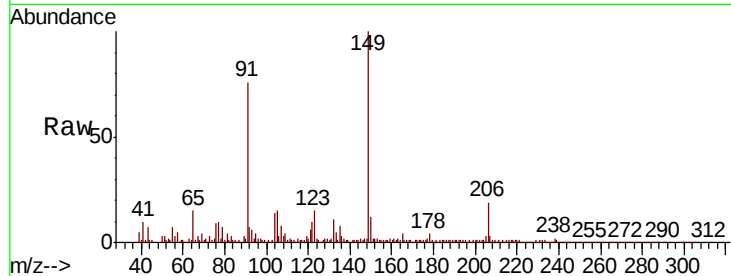




#80  
Butylbenzylphthalate  
Concen: 44.337 ng  
RT: 13.39 min Scan# 1922  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

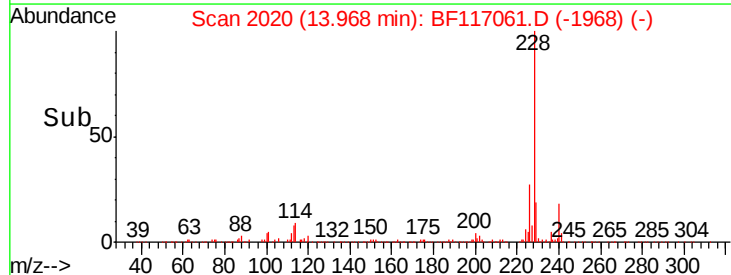
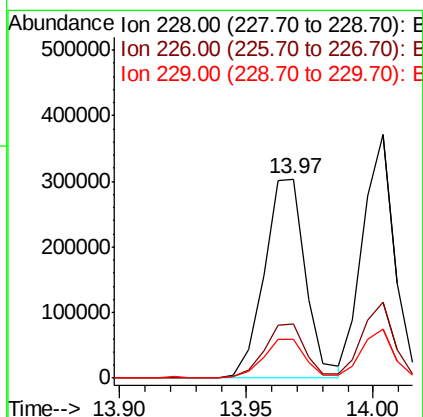
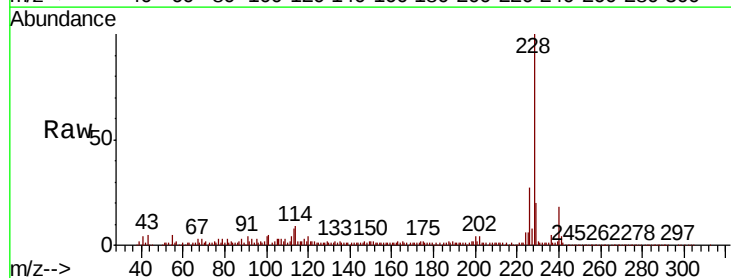
Instrument :  
BNA\_F  
ClientSampleId :

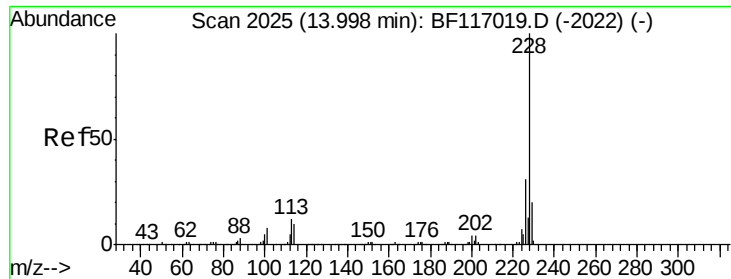
Tot Ion:149 Resp: 195453  
Ion Ratio Lower Upper  
149 100  
91 76.3 58.8 88.2  
206 18.8 14.1 21.1



#81  
Benzo(a)anthracene  
Concen: 45.888 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:228 Resp: 340883  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.3 33.5  
229 19.7 15.9 23.9

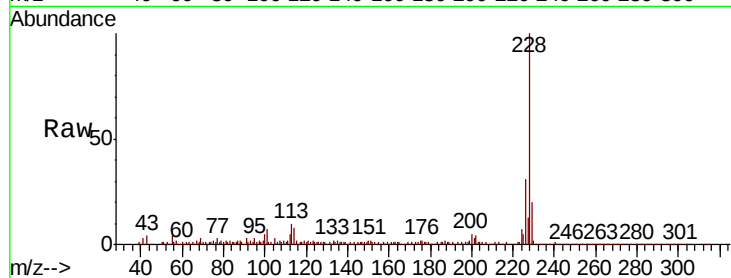




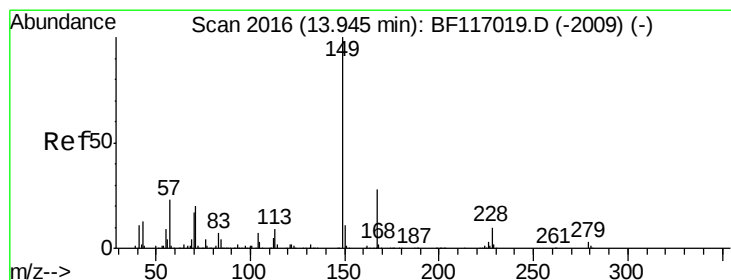
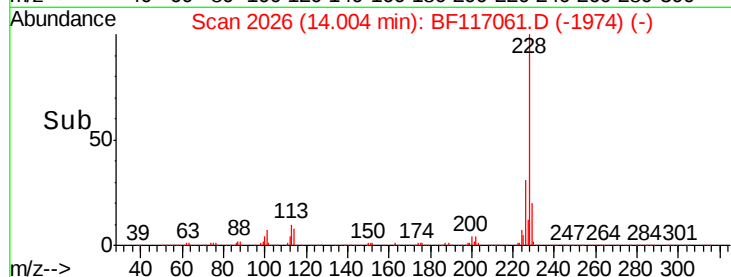
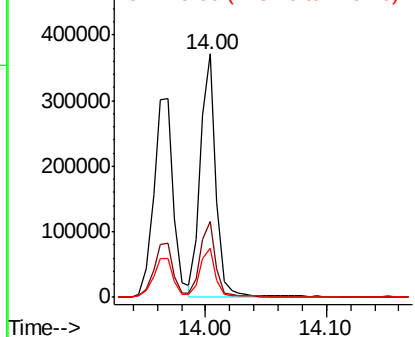
#83  
 Chrvsene  
 Concen: 45.256 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. 0.01 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:228 Resp: 327893  
 Ion Ratio Lower Upper  
 228 100  
 226 31.2 24.8 37.2  
 229 20.0 15.8 23.8

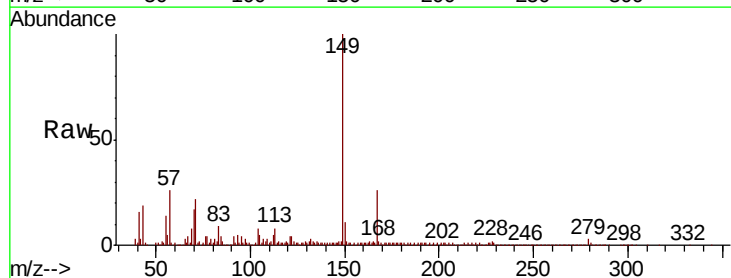


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

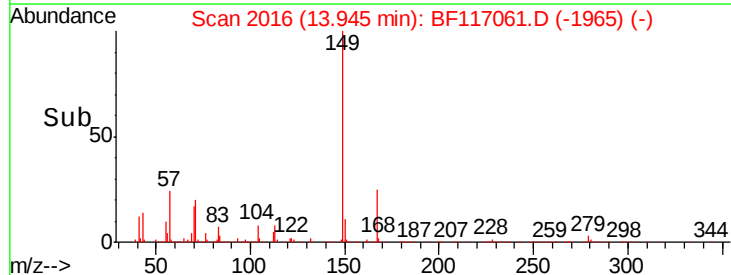
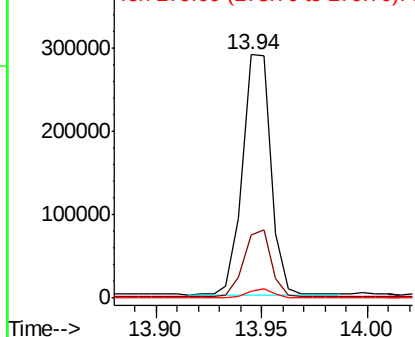


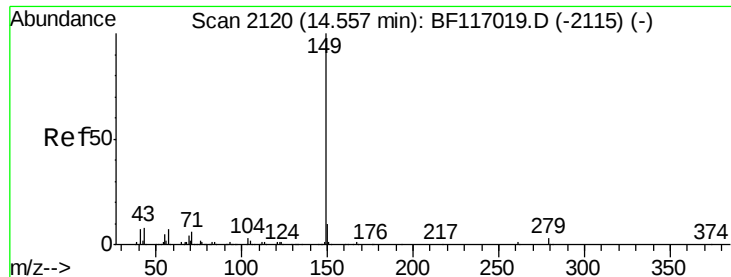
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.176 ng  
 RT: 13.94 min Scan# 2016  
 Delta R.T. 0.00 min  
 Lab File: BF117061.D  
 Acq: 16 Sep 2019 14:24

Tgt Ion:149 Resp: 268144  
 Ion Ratio Lower Upper  
 149 100  
 167 25.9 22.2 33.2  
 279 2.9 2.8 4.2



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

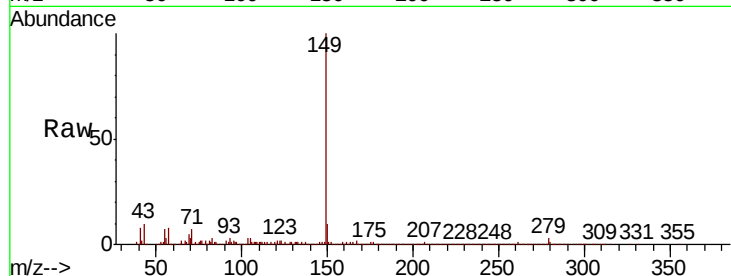




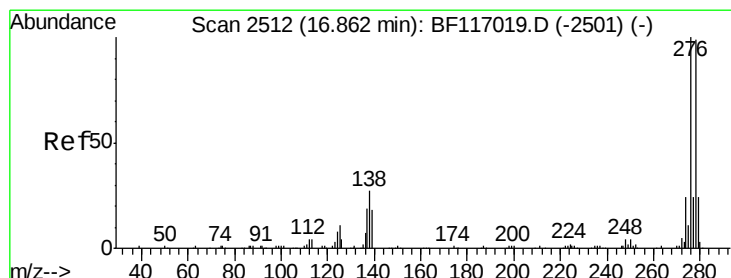
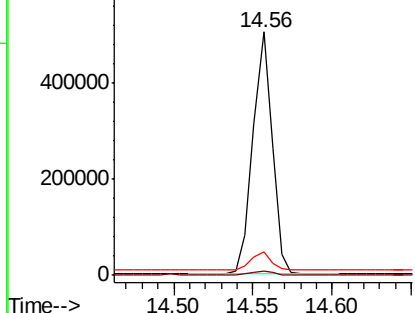
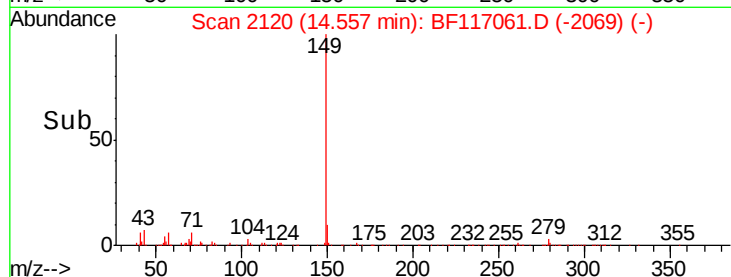
#85  
Di-n-octyl phthalate  
Concen: 48.114 ng  
RT: 14.56 min Scan# 2120  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.2   | 1.8   |
| 43      | 7.8   | 6.2   | 9.4   |

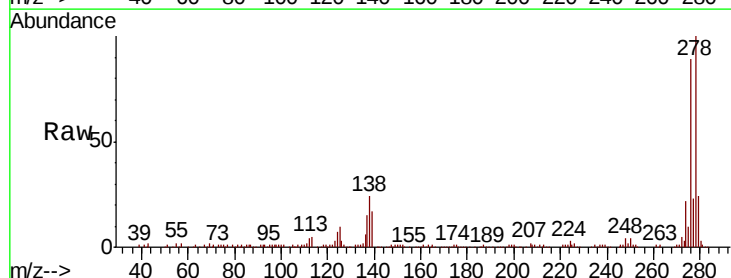


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BF1

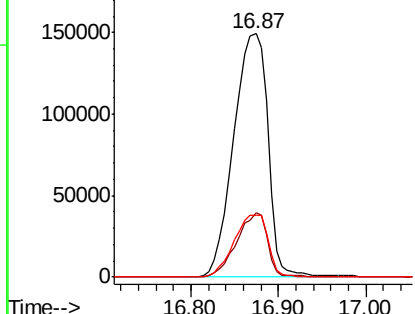
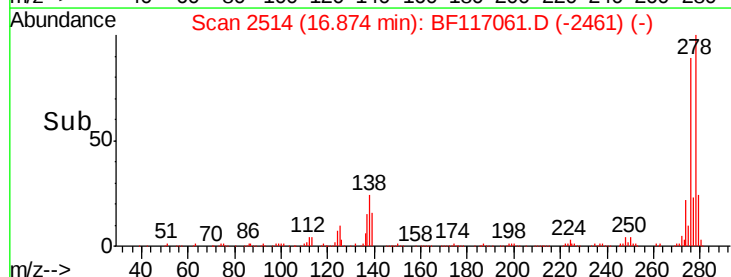


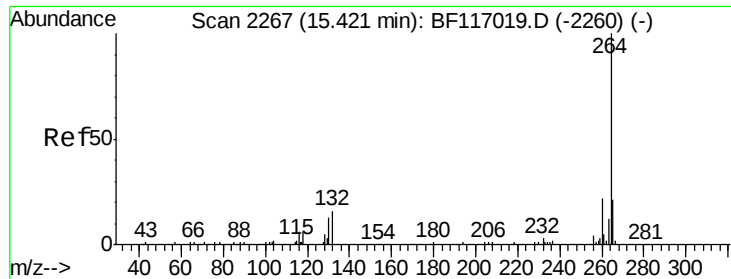
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 74.949 ng  
RT: 16.87 min Scan# 2514  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.8  | 20.7  | 31.1  |
| 277     | 25.7  | 19.8  | 29.8  |



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Instrument :

BNA\_F

ClientSampled :

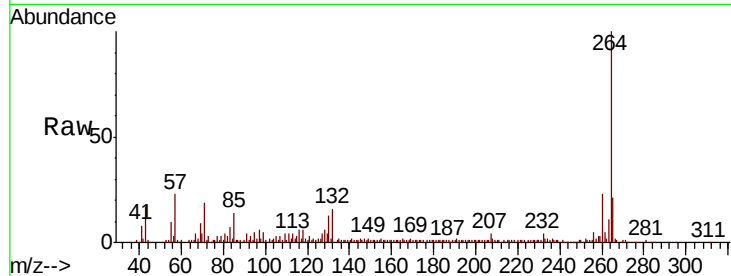
Tot Ion:264 Resp: 131445

Ion Ratio Lower Upper

264 100

260 23.1 17.6 26.4

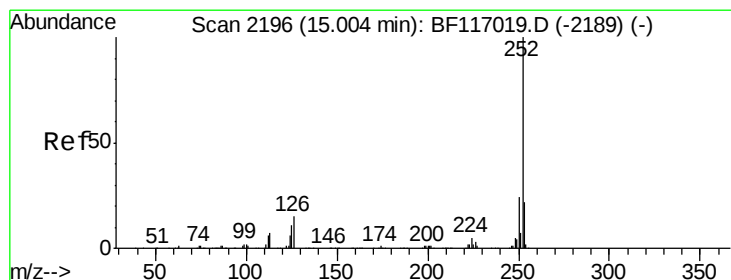
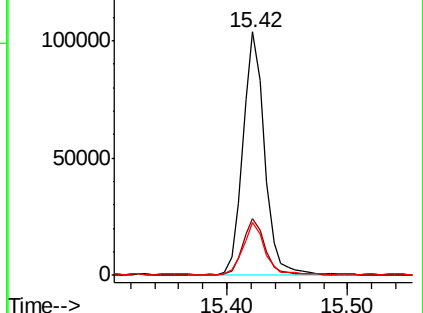
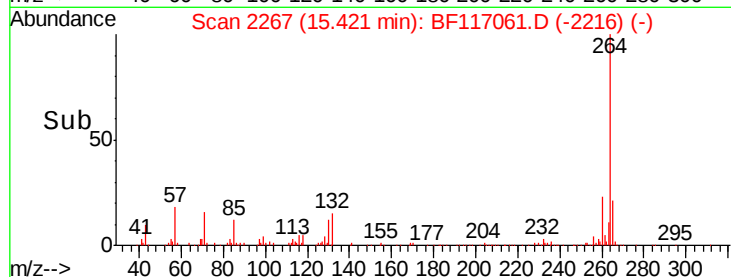
265 21.5 16.6 24.8



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: 43.286 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

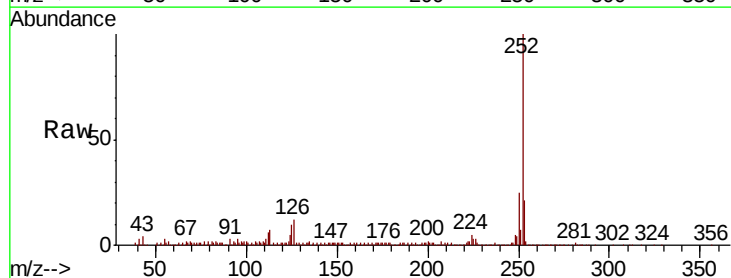
Tgt Ion:252 Resp: 344645

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

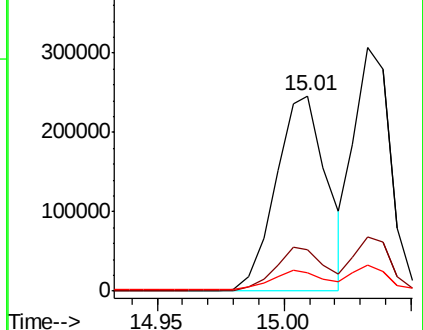
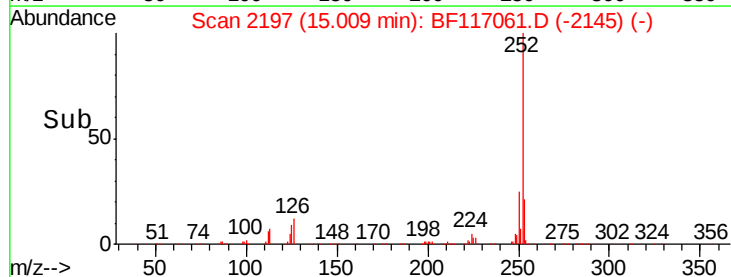
125 9.7 8.6 12.8

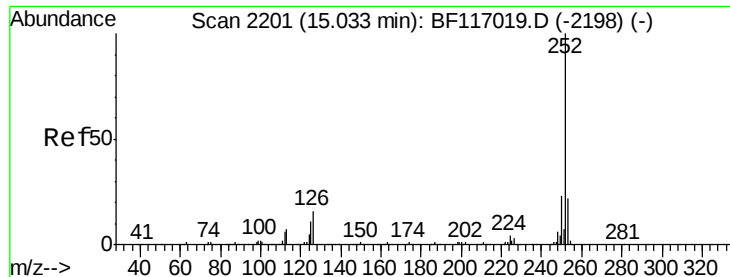


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

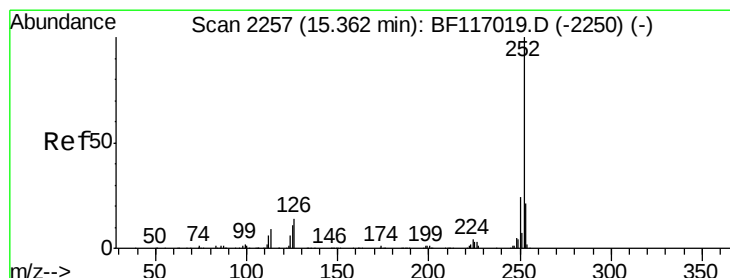
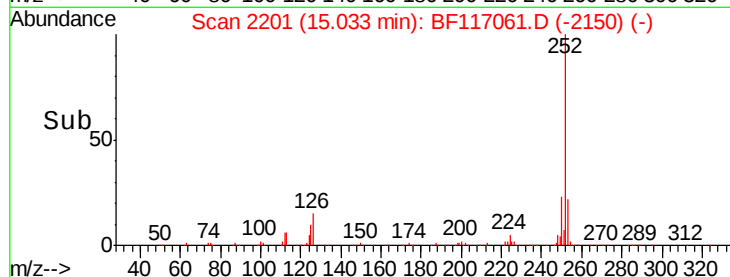
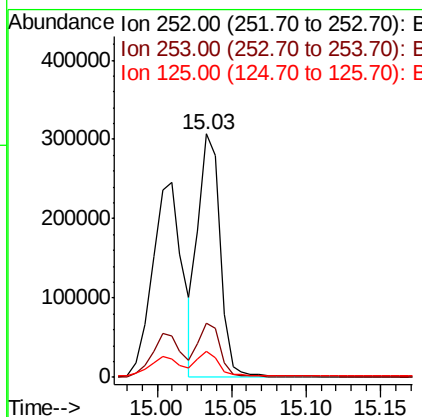
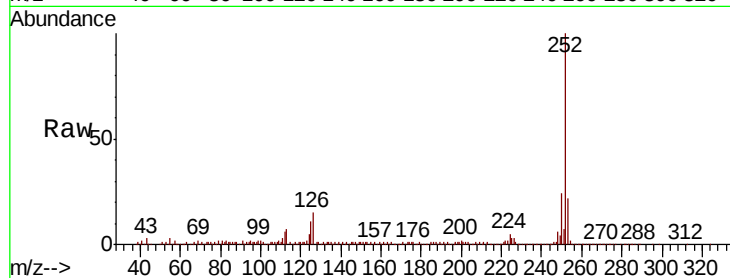




#89  
Benzo(k)fluoranthene  
Concen: 41.332 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. 0.00 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

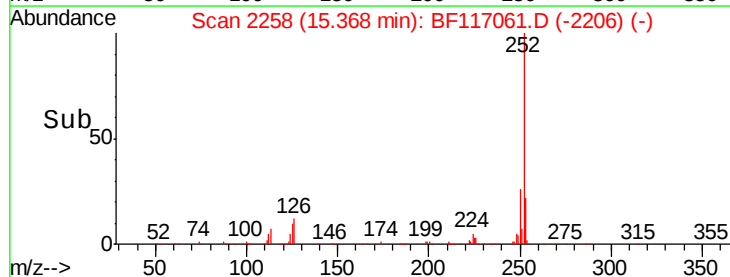
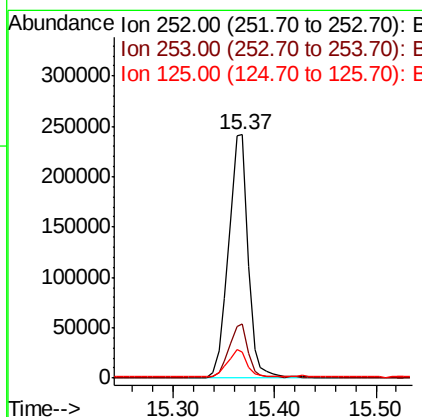
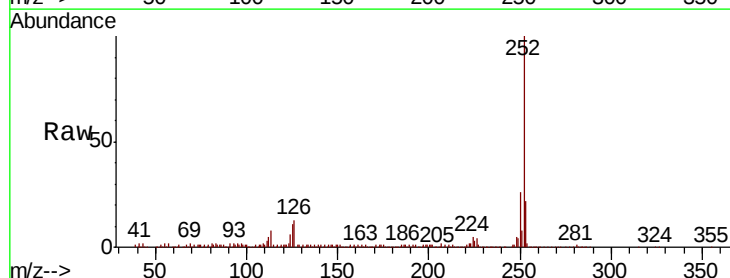
Instrument :  
BNA\_F  
ClientSampleId :

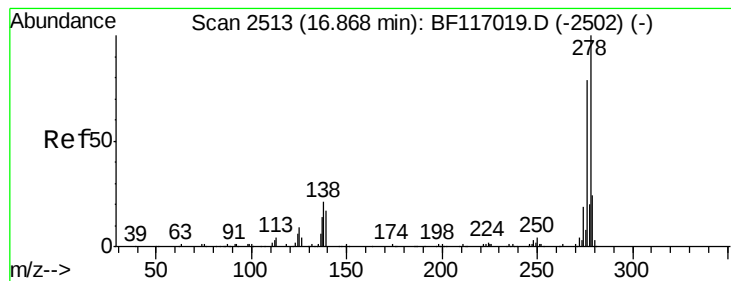
Tot Ion:252 Resp: 311736  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.2  
125 10.9 8.8 13.2



#90  
Benzo(a)pyrene  
Concen: 46.456 ng  
RT: 15.37 min Scan# 2258  
Delta R.T. 0.01 min  
Lab File: BF117061.D  
Acq: 16 Sep 2019 14:24

Tgt Ion:252 Resp: 324581  
Ion Ratio Lower Upper  
252 100  
253 22.4 16.6 25.0  
125 10.8 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 60.109 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

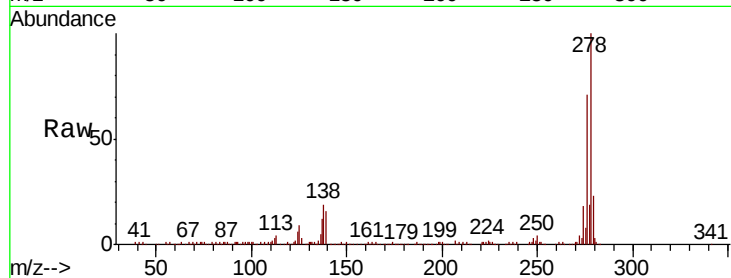
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:278 Resp: 334563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.0  | 13.5  | 20.3  |
| 279 | 23.1  | 18.8  | 28.2  |

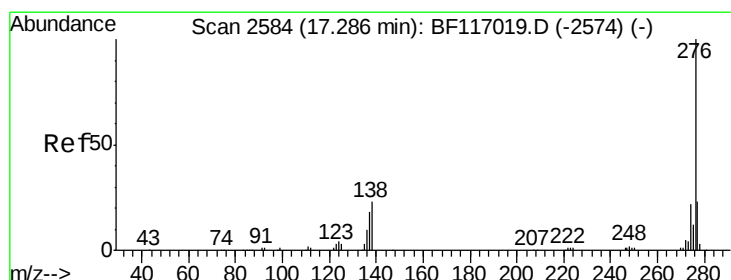
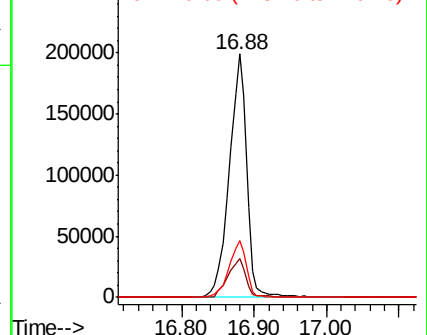
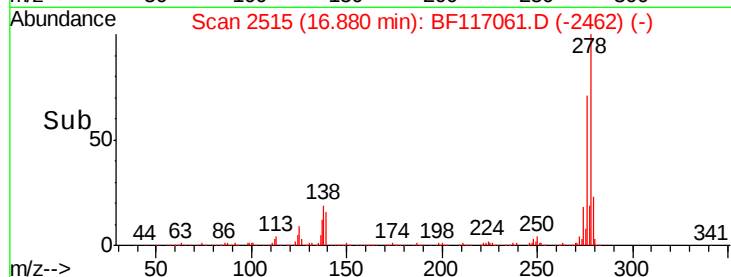


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 60.336 ng

RT: 17.30 min Scan# 2587

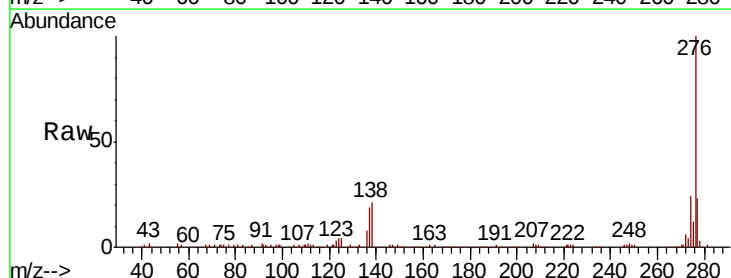
Delta R.T. 0.02 min

Lab File: BF117061.D

Acq: 16 Sep 2019 14:24

Tgt Ion:276 Resp: 334652

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.0  | 18.6  | 27.8  |
| 138 | 21.2  | 18.0  | 27.0  |



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

