

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\  
 Data File : BF114060.D  
 Acq On : 1 May 2019 11:17  
 Operator : JU/SJ  
 Sample : K2194-01MSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

Quant Time: May 01 14:33:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 126525   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 402125   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 229679   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 408771   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.07 | 240  | 339199   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.57 | 264  | 358407   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.52  | 112 | 368552 | 49.82 | ng | 0.00 |
| 7) Phenol-d6                | 6.52  | 99  | 424568 | 45.75 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.45  | 82  | 254965 | 39.15 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330 | 126963 | 45.38 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.25  | 172 | 481131 | 32.76 | ng | 0.00 |
| 79) Terphenyl-d14           | 13.00 | 244 | 543594 | 32.86 | ng | 0.00 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.65 | 88  | 43072  | 12.352 | ng | 98   |
| 3) Pyridine                    | 3.43 | 79  | 122027 | 12.820 | ng | 96   |
| 4) n-Nitrosodimethylamine      | 3.35 | 42  | 46913  | 14.398 | ng | 97   |
| 6) Aniline                     | 6.55 | 93  | 130288 | 10.223 | ng | 100  |
| 8) 2-Chlorophenol              | 6.68 | 128 | 121313 | 14.364 | ng | 97   |
| 9) Benzaldehyde                | 6.44 | 77  | 25320  | 0.568  | ng | 96   |
| 10) Phenol                     | 6.53 | 94  | 159609 | 14.382 | ng | 96   |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 129516 | 15.508 | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146 | 138202 | 14.448 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 150617 | 15.655 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146 | 134363 | 15.196 | ng | 97   |
| 15) Benzyl Alcohol             | 7.03 | 79  | 105257 | 16.839 | ng | 97   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45  | 138746 | 14.232 | ng | 93   |
| 17) 2-Methylphenol             | 7.14 | 107 | 98834  | 13.350 | ng | 98   |
| 18) Hexachloroethane           | 7.41 | 117 | 52023  | 15.425 | ng | 98   |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 84201  | 14.009 | ng | 95   |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 122547 | 14.651 | ng | # 59 |
| 22) Acetophenone               | 7.29 | 105 | 169782 | 18.973 | ng | # 93 |
| 24) Nitrobenzene               | 7.47 | 77  | 136893 | 19.023 | ng | 96   |
| 25) Isophorone                 | 7.70 | 82  | 232946 | 17.480 | ng | 97   |
| 26) 2-Nitrophenol              | 7.79 | 139 | 59624  | 18.161 | ng | 96   |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 105047 | 19.639 | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 143252 | 16.870 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 105506 | 17.249 | ng | 96   |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 118169 | 17.327 | ng | 98   |
| 31) Naphthalene                | 8.20 | 128 | 345773 | 18.100 | ng | 99   |
| 32) Benzoic acid               | 7.82 | 122 | 105047 | 29.081 | ng | # 15 |
| 33) 4-Chloroaniline            | 8.24 | 127 | 95468  | 11.811 | ng | 98   |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 74007  | 17.407 | ng | 99   |
| 35) Caprolactam                | 8.58 | 113 | 32298  | 16.599 | ng | 91   |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 102388 | 16.896 | ng | 99   |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 238400 | 18.506 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.99 | 142 | 219093 | 17.621 | ng | 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 120792 | 16.190 | ng | 98   |

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 ALS Vial : 4 Sample Multiplier: 1

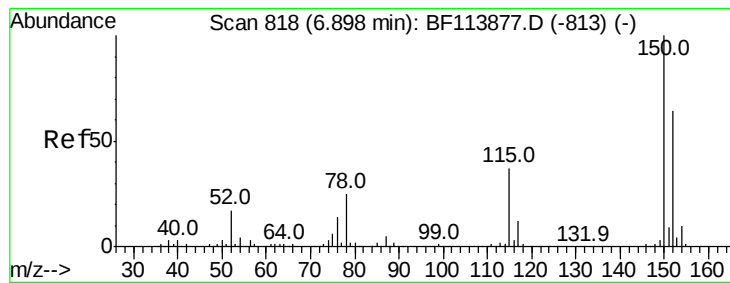
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

Quant Time: May 01 14:33:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.05  | 237  | 14951    | 3.594  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.17  | 196  | 74672    | 15.762 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.21  | 196  | 78931    | 14.854 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 289529   | 16.501 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 230418   | 16.149 | ng    | 97       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 61632    | 16.477 | ng    | 97       |
| 49) Acenaphthylene             | 9.79  | 152  | 378705   | 16.954 | ng    | 99       |
| 50) Dimethylphthalate          | 9.65  | 163  | 365527   | 22.005 | ng    | 97       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 62732    | 17.603 | ng    | 97       |
| 52) Acenaphthene               | 9.96  | 154  | 220995   | 16.741 | ng    | 98       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 51553    | 13.767 | ng    | 90       |
| 54) 2,4-Dinitrophenol          | 9.99  | 184  | 2355     | 9.688  | ng    | # 17     |
| 55) Dibenzofuran               | 10.13 | 168  | 342738   | 17.332 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.03 | 139  | 82151    | 27.707 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.11 | 165  | 81754    | 18.175 | ng    | 99       |
| 58) Fluorene                   | 10.48 | 166  | 272372   | 18.295 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.26 | 232  | 69687    | 14.923 | ng    | # 95     |
| 60) Diethylphthalate           | 10.34 | 149  | 276478   | 17.527 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 141150   | 17.902 | ng    | 98       |
| 62) 4-Nitroaniline             | 10.48 | 138  | 55455    | 15.175 | ng    | 93       |
| 63) Azobenzene                 | 10.63 | 77   | 241467   | 15.795 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 8022     | 10.938 | ng    | # 58     |
| 66) n-Nitrosodiphenylamine     | 10.58 | 169  | 230523   | 18.795 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 90656    | 18.358 | ng    | 96       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 93008    | 17.140 | ng    | 97       |
| 69) Atrazine                   | 11.10 | 200  | 80905    | 20.277 | ng    | 97       |
| 70) Pentachlorophenol          | 11.23 | 266  | 85582    | 27.855 | ng    | 97       |
| 71) Phenanthrene               | 11.44 | 178  | 443202   | 21.574 | ng    | 98       |
| 72) Anthracene                 | 11.49 | 178  | 402521   | 19.403 | ng    | 99       |
| 73) Carbazole                  | 11.65 | 167  | 311341   | 16.822 | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 407536   | 18.719 | ng    | 98       |
| 75) Fluoranthene               | 12.63 | 202  | 537353   | 23.975 | ng    | 96       |
| 77) Benzidine                  | 12.76 | 184  | 75516    | 7.472  | ng    | 96       |
| 78) Pyrene                     | 12.86 | 202  | 524301   | 22.103 | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.47 | 149  | 163044   | 17.470 | ng    | 97       |
| 81) Benzo(a)anthracene         | 14.06 | 228  | 467144   | 23.375 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 87496    | 11.945 | ng    | 98       |
| 83) Chrysene                   | 14.09 | 228  | 452800   | 23.264 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 252680   | 21.280 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.67 | 149  | 441710   | 23.766 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.07 | 276  | 338750   | 18.374 | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 15.13 | 252  | 484029   | 21.345 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.16 | 252  | 425453   | 21.812 | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.50 | 252  | 416249   | 21.222 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 17.09 | 278  | 264017   | 14.340 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 17.53 | 276  | 276106   | 14.860 | ng    | 99       |

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



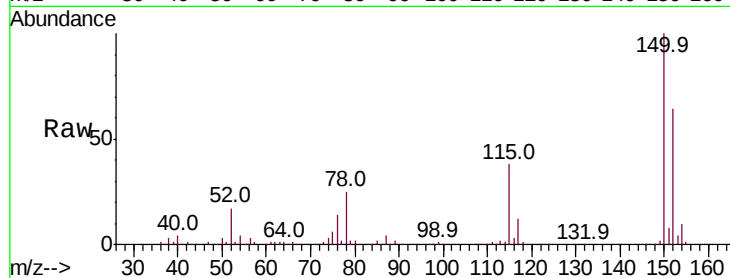


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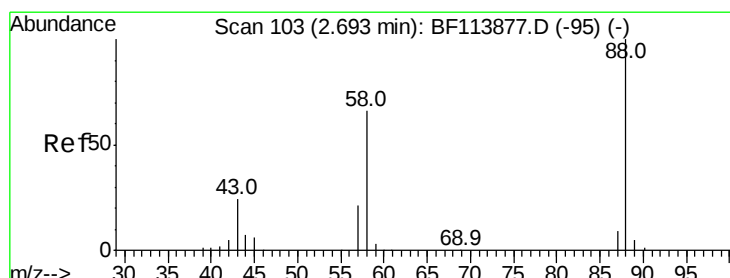
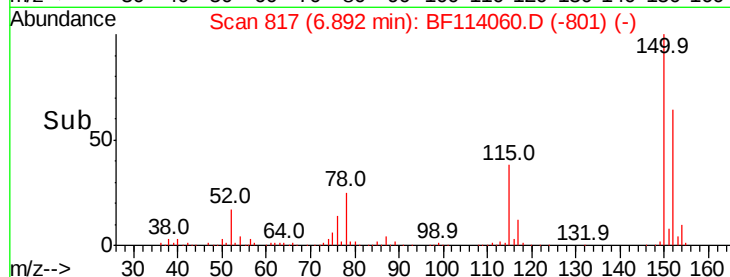
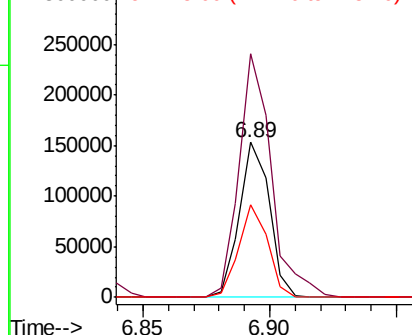
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:152 Resp: 126525  
Ion Ratio Lower Upper  
152 100  
150 157.2 125.9 188.9  
115 60.1 45.9 68.9



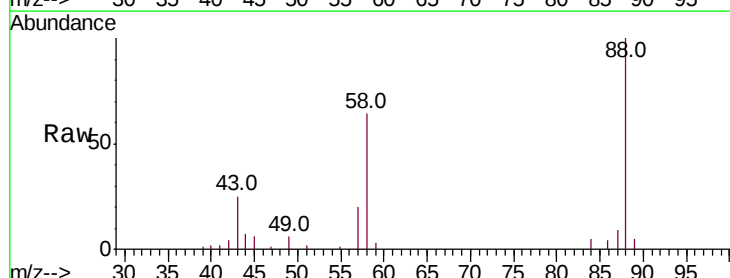
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



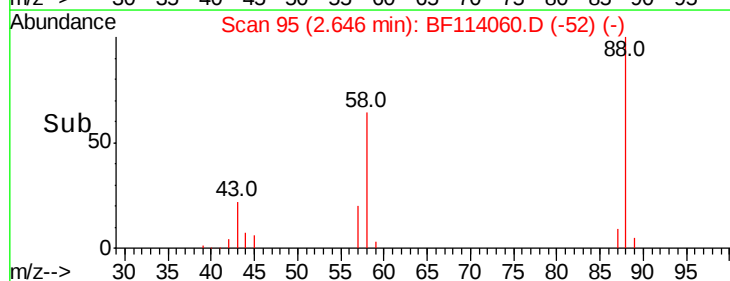
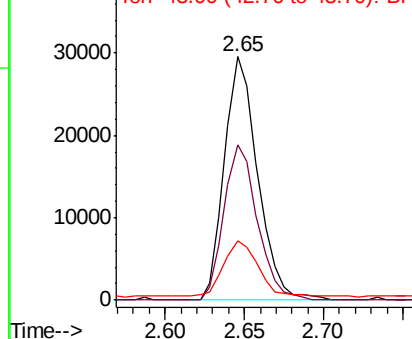
#2

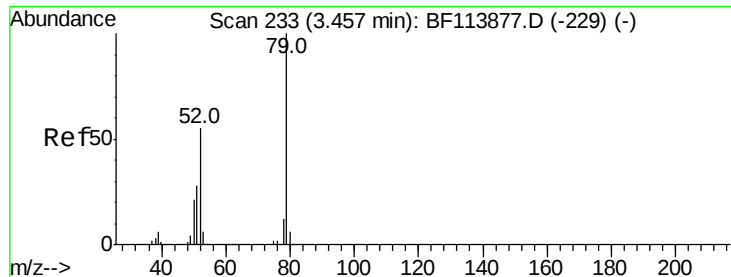
1,4-Dioxane  
Concen: 12.352 ng  
RT: 2.65 min Scan# 95  
Delta R.T. -0.05 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion: 88 Resp: 43072  
Ion Ratio Lower Upper  
88 100  
58 64.1 53.3 79.9  
43 23.6 19.0 28.4



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





#3

Pvridine

Concen: 12.820 ng

RT: 3.43 min Scan# 228

Delta R.T. -0.03 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

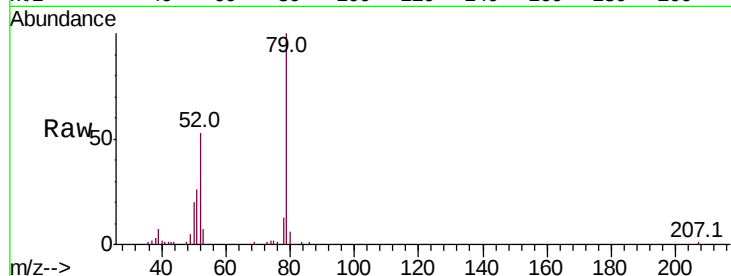
Tot Ion: 79 Resp: 122027

Ion Ratio Lower Upper

79 100

52 53.4 45.3 67.9

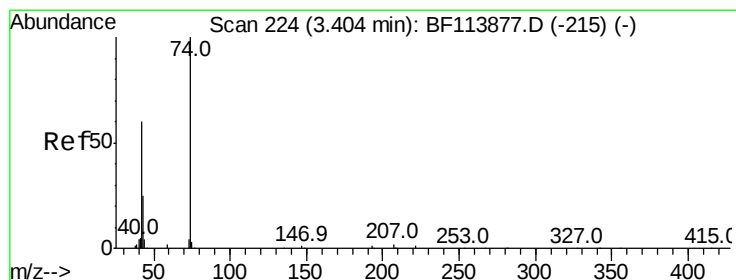
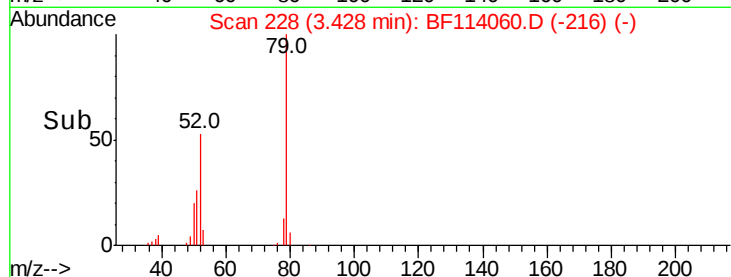
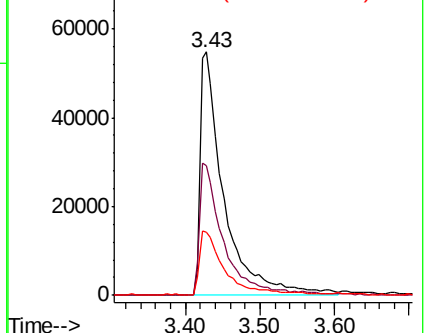
51 26.1 22.1 33.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 14.398 ng

RT: 3.35 min Scan# 214

Delta R.T. -0.06 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

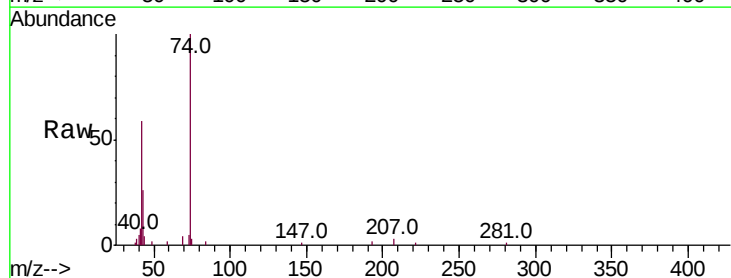
Tgt Ion: 42 Resp: 46913

Ion Ratio Lower Upper

42 100

74 169.9 132.6 198.8

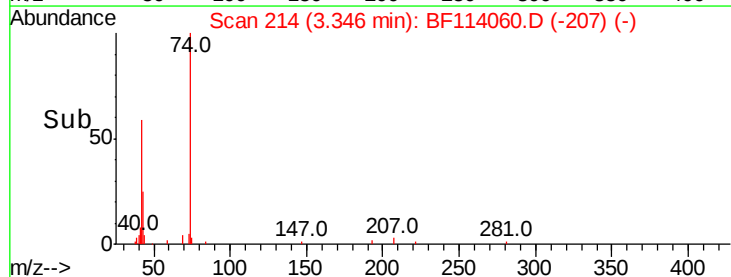
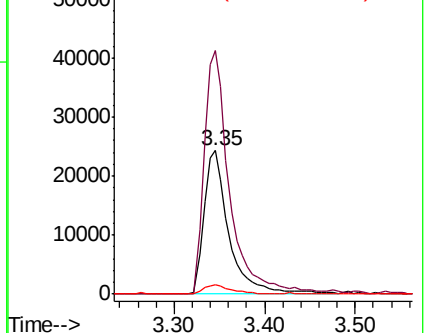
44 6.2 5.8 8.8

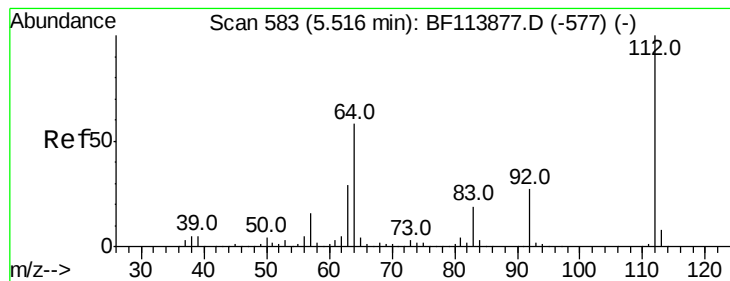


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 49.821 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

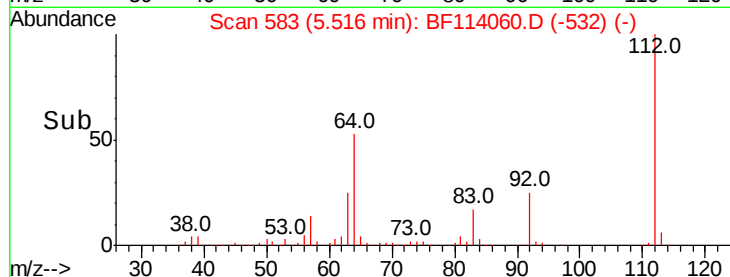
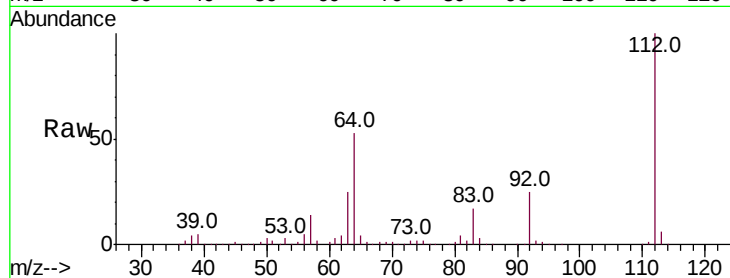
Tot Ion:112 Resp: 368552

Ion Ratio Lower Upper

112 100

64 52.7 46.6 69.8

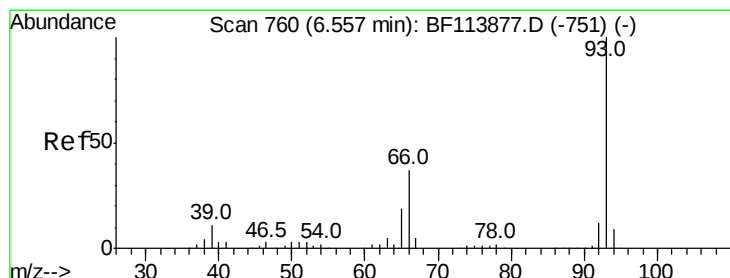
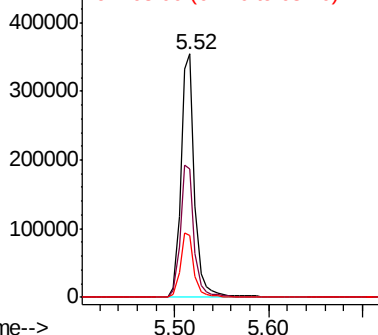
63 25.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.223 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

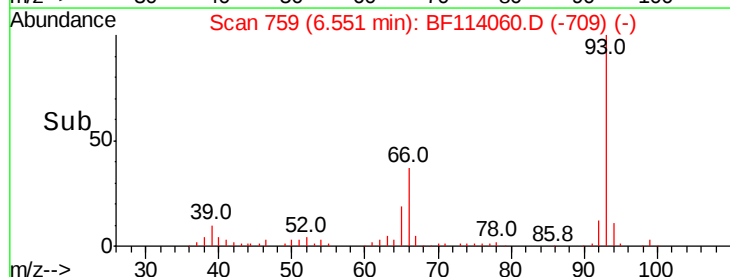
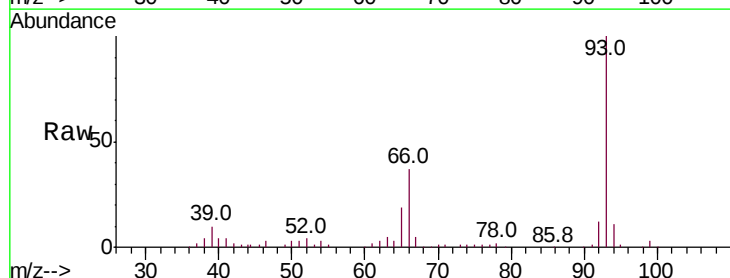
Tgt Ion: 93 Resp: 130288

Ion Ratio Lower Upper

93 100

66 37.3 29.8 44.6

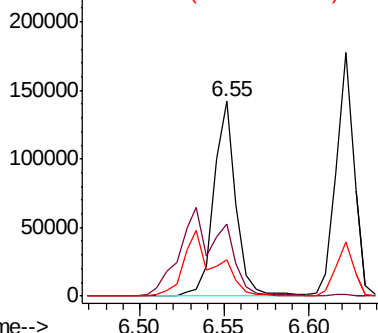
65 19.0 14.9 22.3

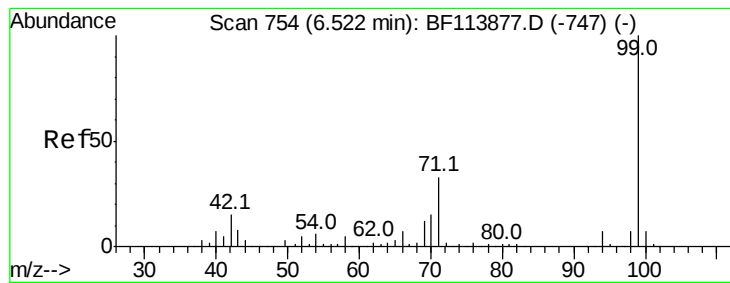


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 45.745 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

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ClientSampleId :

JC-03-042919-AMSD

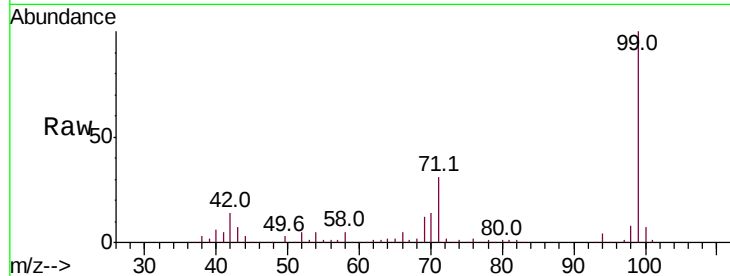
Tot Ion: 99 Resp: 424568

Ion Ratio Lower Upper

99 100

42 13.6 12.5 18.7

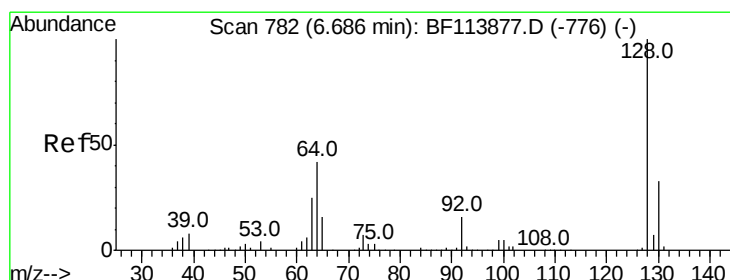
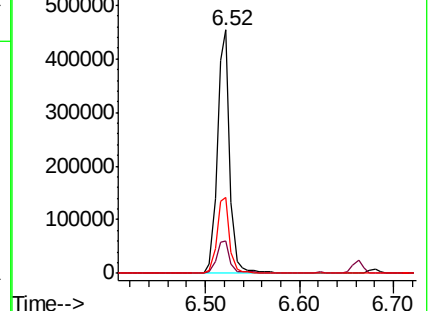
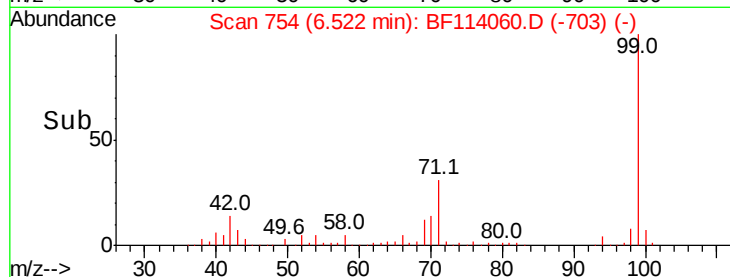
71 31.0 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 14.364 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

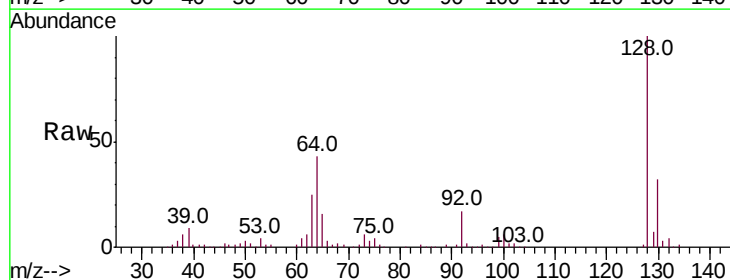
Tgt Ion:128 Resp: 121313

Ion Ratio Lower Upper

128 100

130 32.0 12.3 52.3

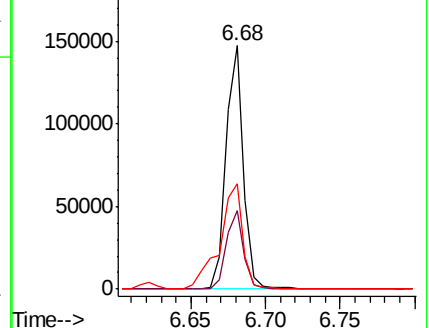
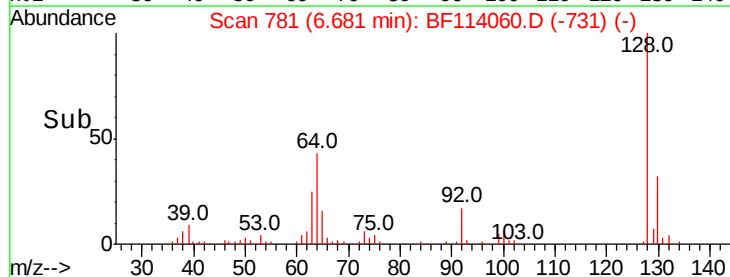
64 43.1 26.1 66.1

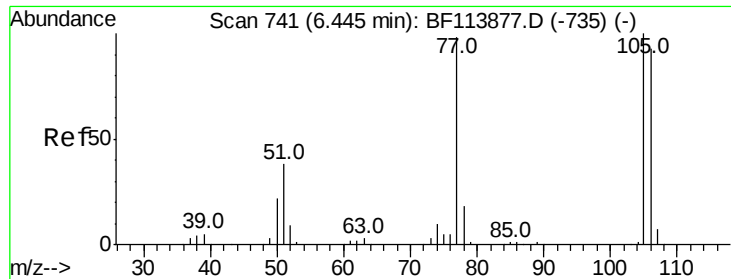


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

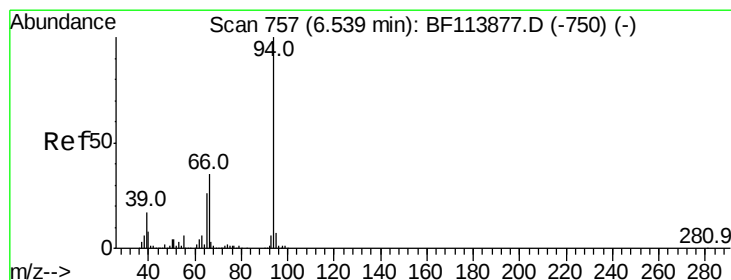
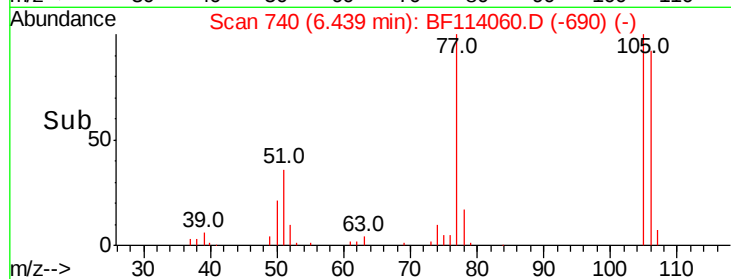
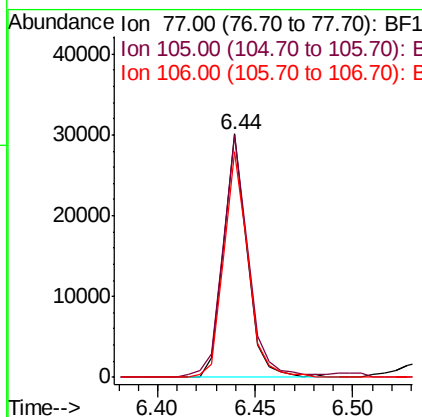
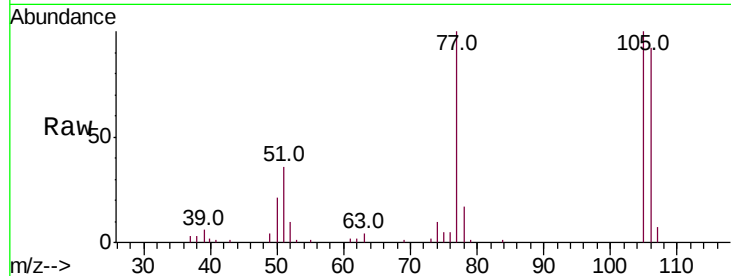




#9  
Benzaldehyde  
Concen: 0.568 ng  
RT: 6.44 min Scan# 740  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

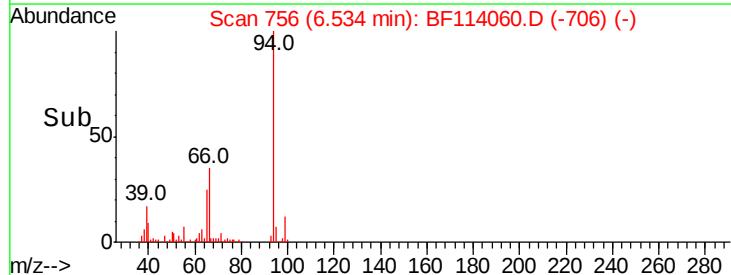
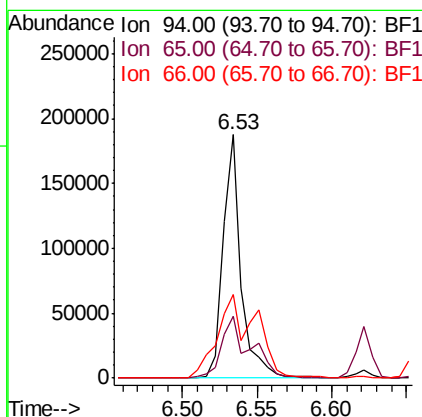
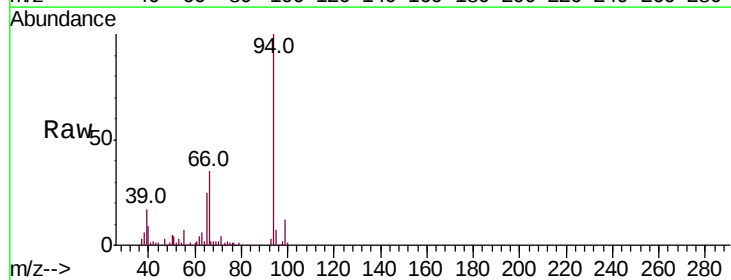
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

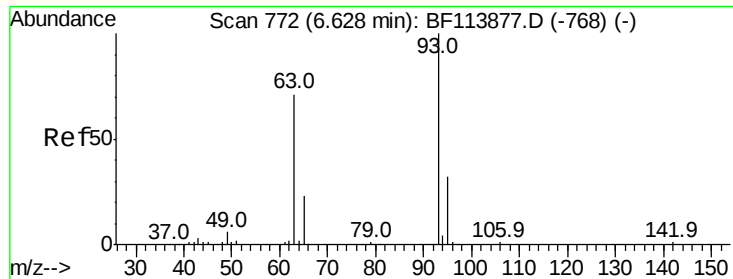
Tot Ion: 77 Resp: 25320  
Ion Ratio Lower Upper  
77 100  
105 99.6 74.1 114.1  
106 92.5 70.3 110.3



#10  
Phenol  
Concen: 14.382 ng  
RT: 6.53 min Scan# 756  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion: 94 Resp: 159609  
Ion Ratio Lower Upper  
94 100  
65 25.4 8.1 48.1  
66 34.5 16.6 56.6

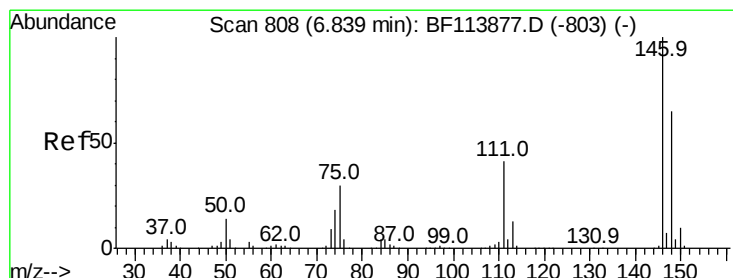
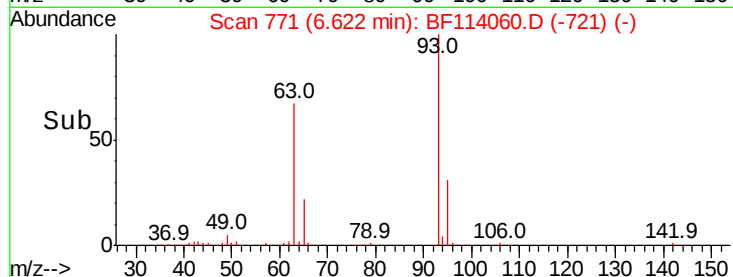
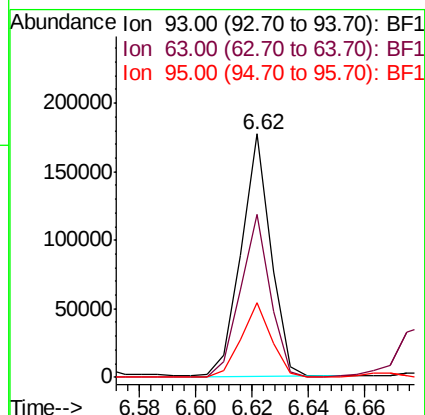
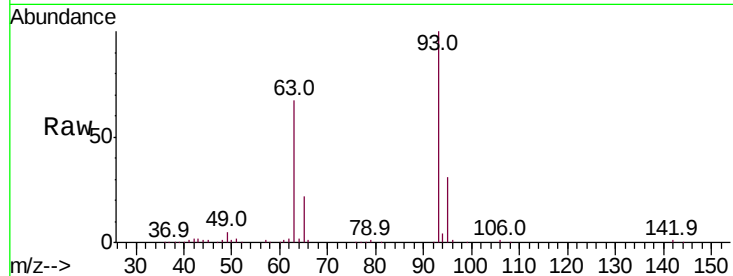




#11  
bis(2-Chloroethyl)ether  
Concen: 15.508 ng  
RT: 6.62 min Scan# 771  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

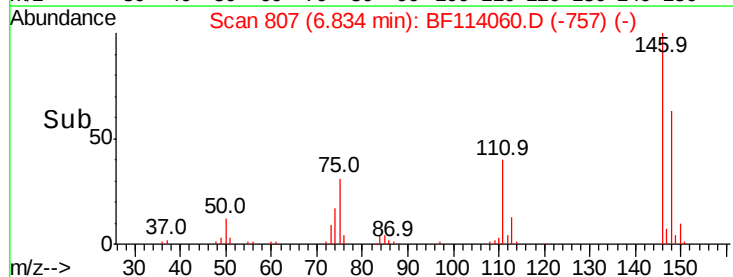
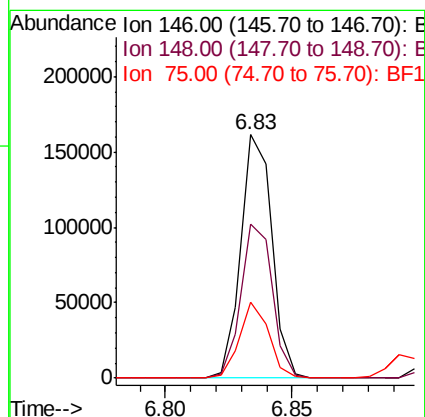
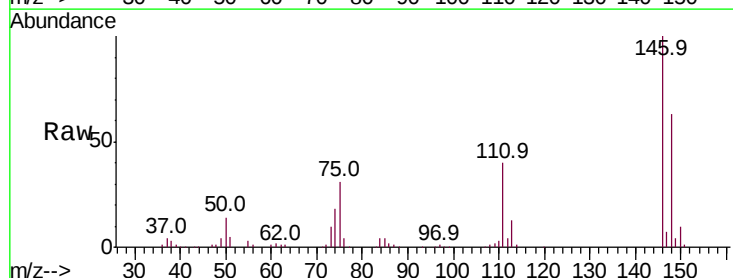
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

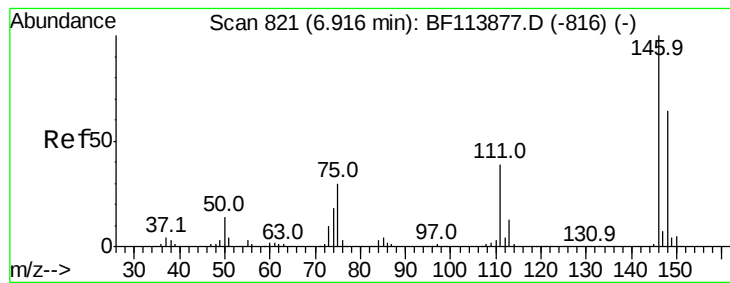
Tot Ion: 93 Resp: 129516  
Ion Ratio Lower Upper  
93 100  
63 67.1 50.7 90.7  
95 30.7 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 14.448 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion: 146 Resp: 138202  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.0 76.6  
75 31.2 23.8 35.8





#13

1,4-Dichlorobenzene

Concen: 15.655 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

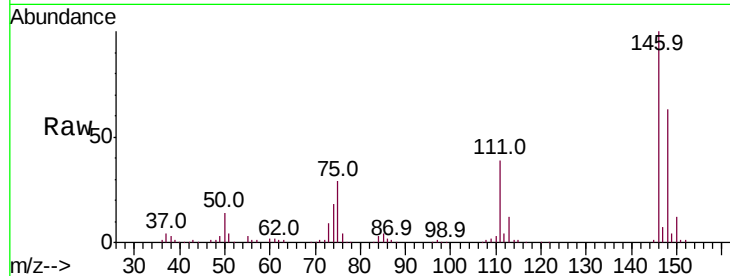
Tot Ion:146 Resp: 150617

Ion Ratio Lower Upper

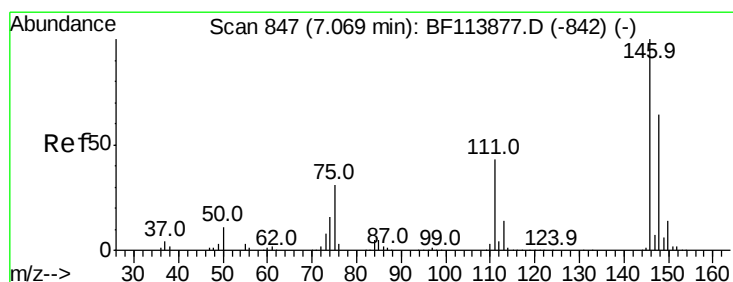
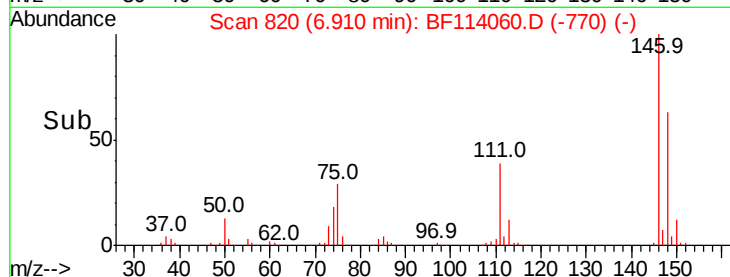
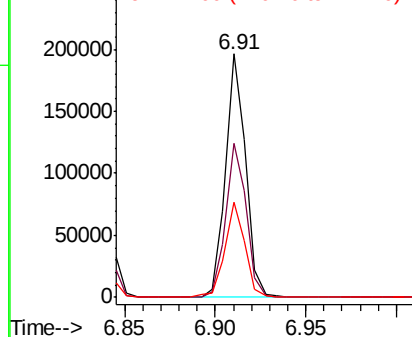
146 100

148 63.5 51.8 77.8

111 39.3 30.9 46.3



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: 15.196 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

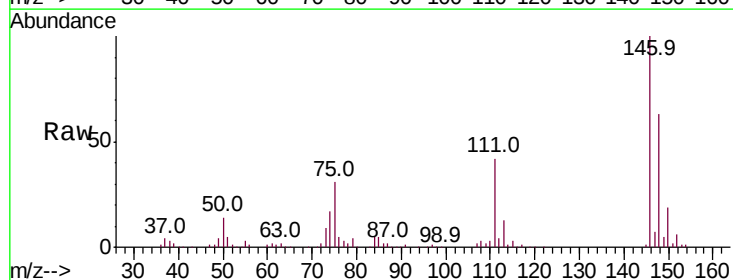
Tgt Ion:146 Resp: 134363

Ion Ratio Lower Upper

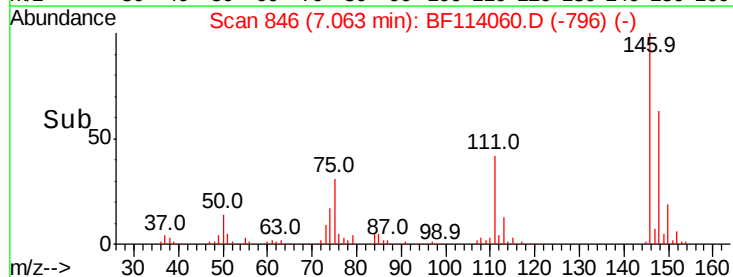
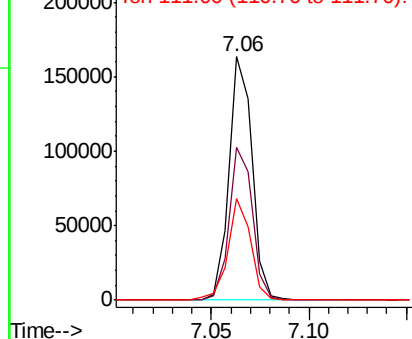
146 100

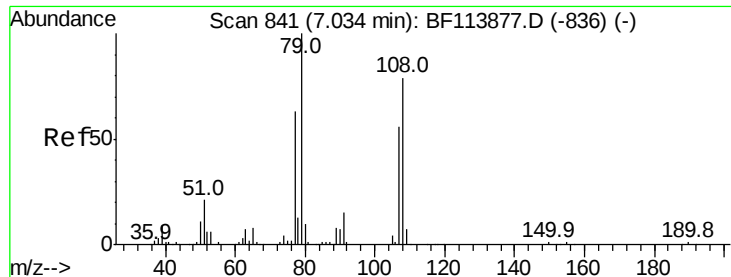
148 62.8 52.1 78.1

111 41.6 34.2 51.4



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: 16.839 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

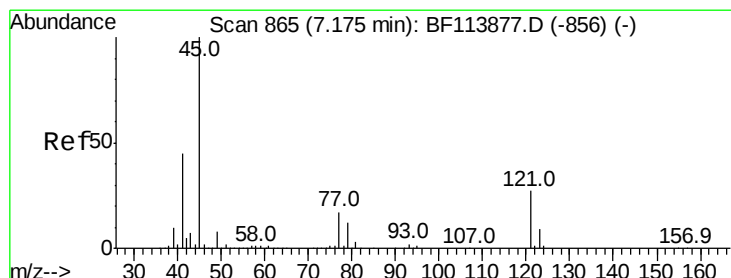
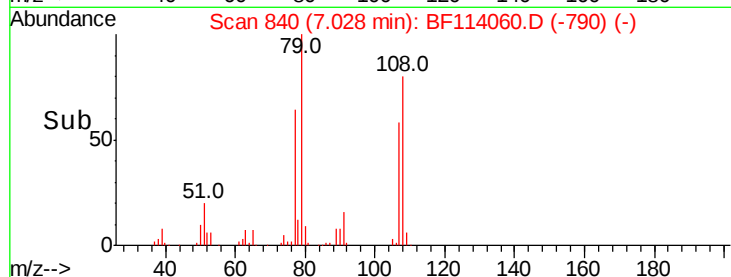
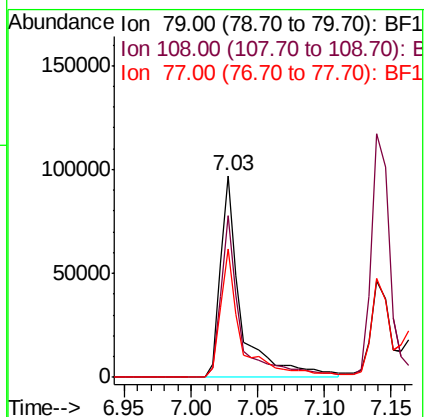
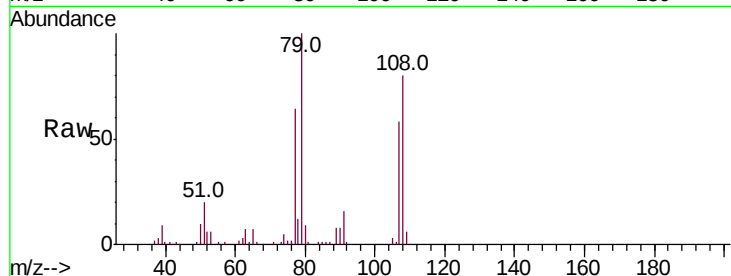
Tot Ion: 79 Resp: 105257

Ion Ratio Lower Upper

79 100

108 80.1 61.4 92.0

77 63.7 51.6 77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 14.232 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

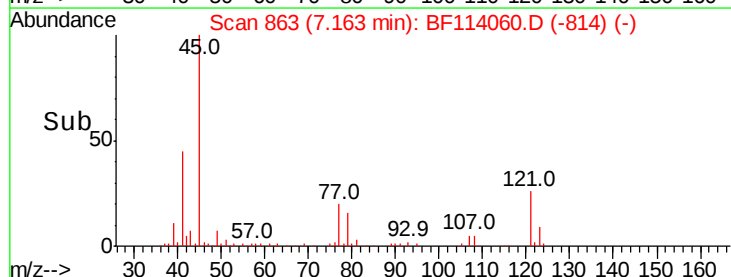
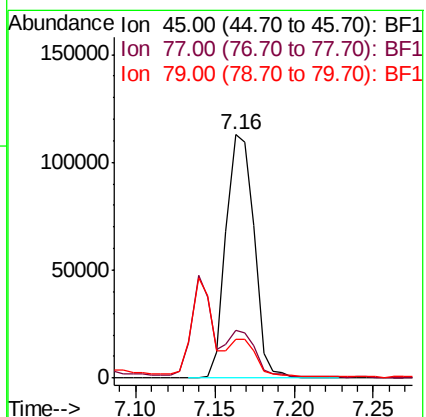
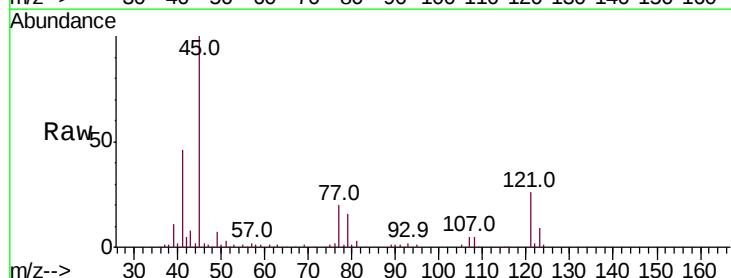
Tgt Ion: 45 Resp: 138746

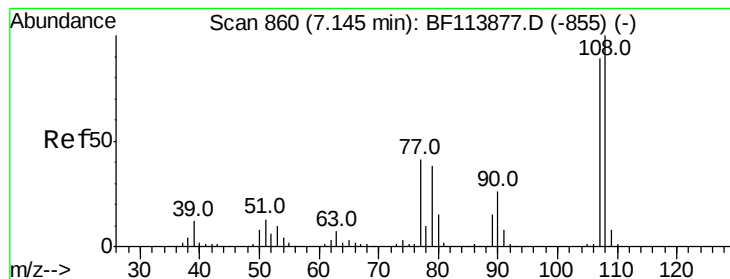
Ion Ratio Lower Upper

45 100

77 19.7 0.0 37.0

79 15.8 0.0 32.7





#17

2-Methylphenol

Concen: 13.350 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

Tot Ion:107 Resp: 98834

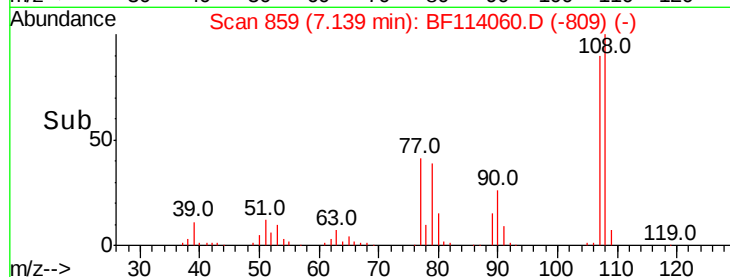
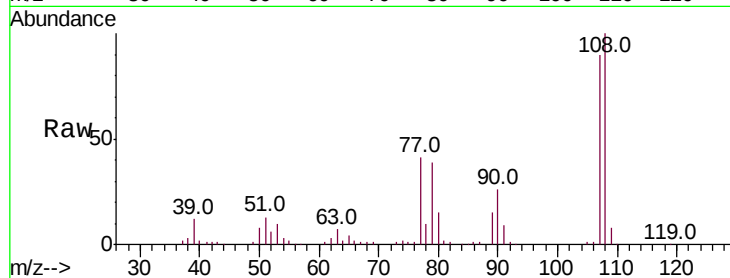
Ion Ratio Lower Upper

107 100

108 111.3 91.5 137.3

77 45.2 36.2 54.4

79 43.9 35.4 53.0

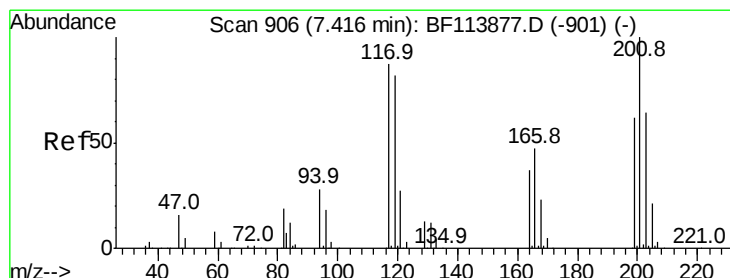
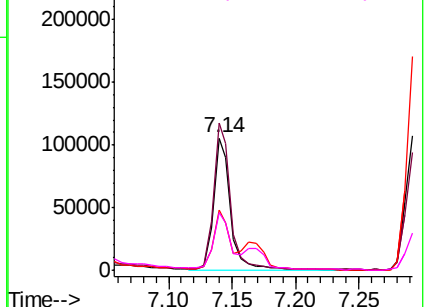


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 15.425 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

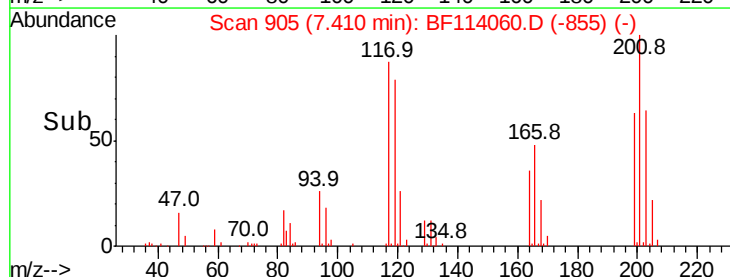
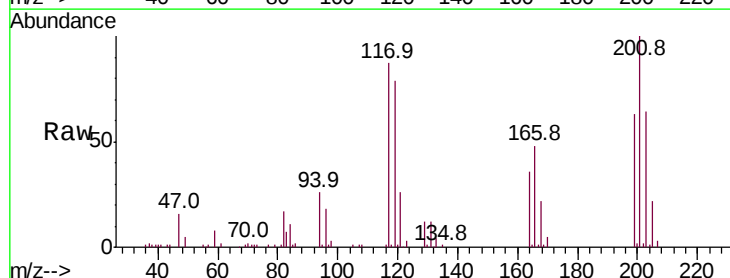
Tgt Ion:117 Resp: 52023

Ion Ratio Lower Upper

117 100

119 91.1 74.4 111.6

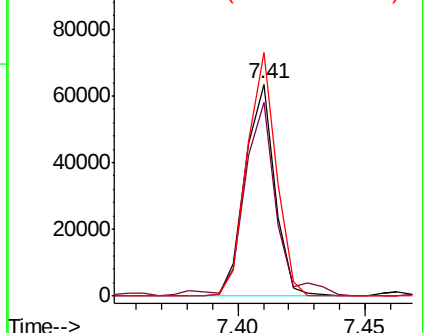
201 114.7 90.2 135.2

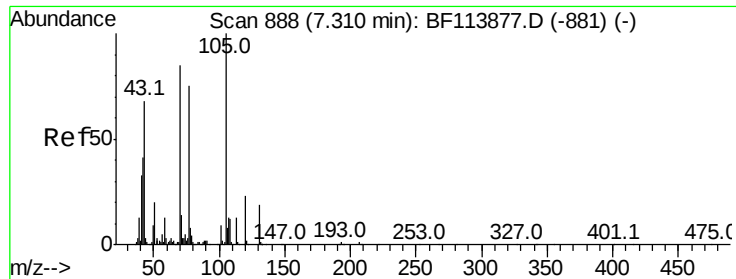


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

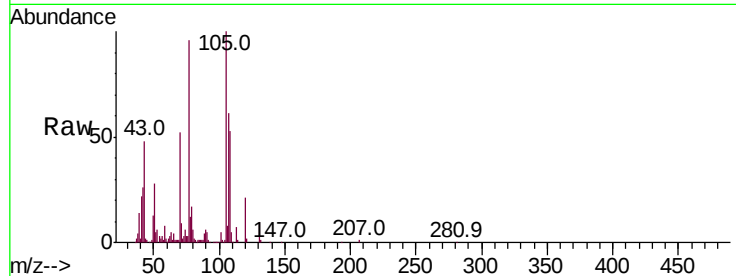




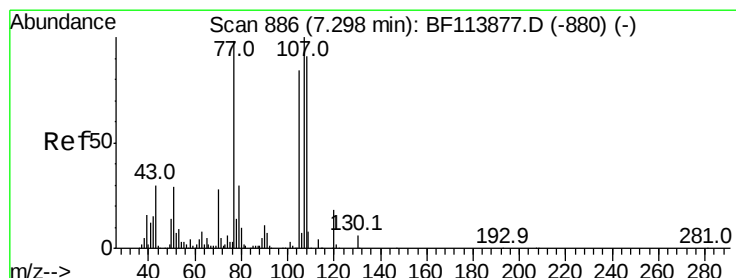
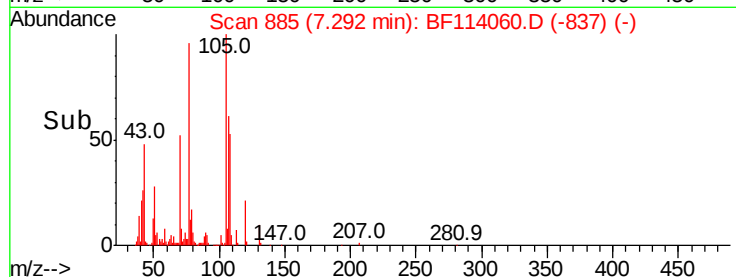
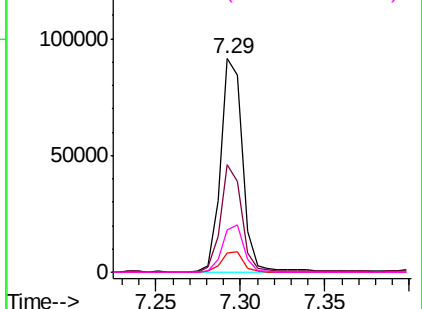
#19  
n-Nitroso-di-n-propylamine  
Concen: 14.009 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.02 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 84201 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 50.4  | 37.3  | 55.9  |
| 101      | 9.2   | 7.8   | 11.8  |
| 130      | 20.0  | 18.2  | 27.2  |

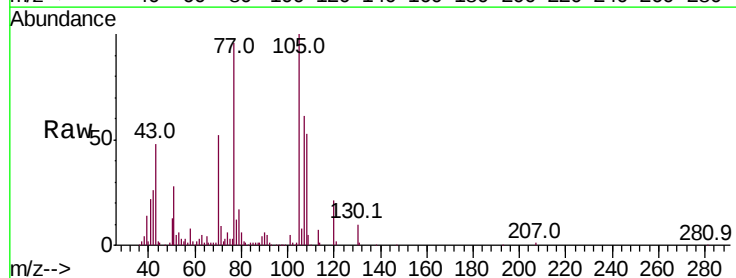


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

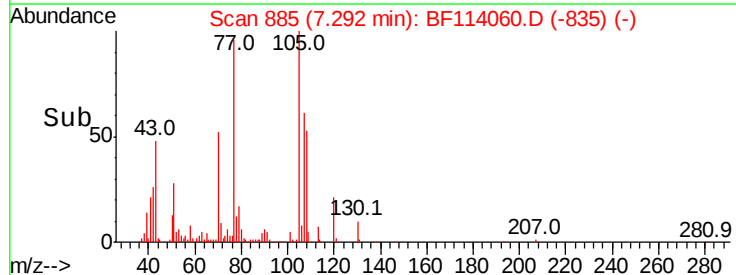
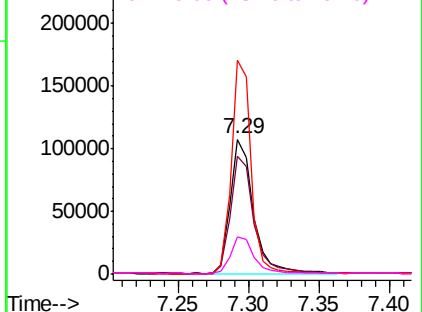


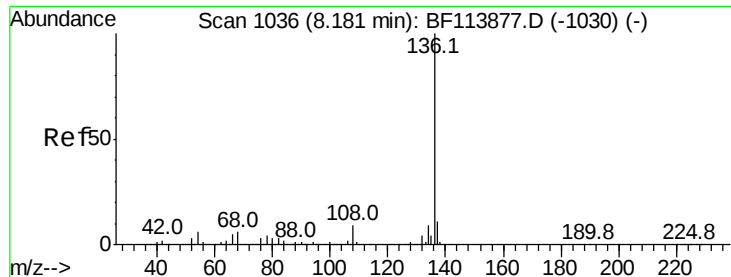
#20  
3+4-Methylphenols  
Concen: 14.651 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 122547 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 87.5  | 70.1  | 110.1  |
| 77       | 158.7 | 52.9  | 92.9#  |
| 79       | 27.8  | 10.2  | 50.2   |



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

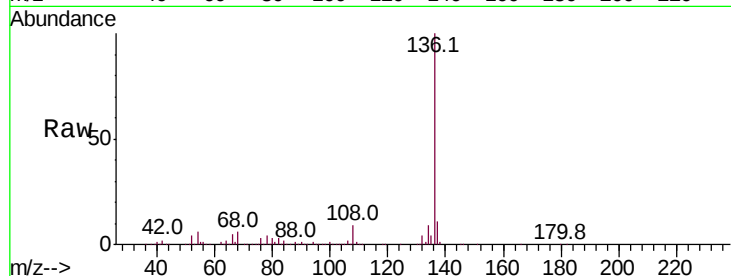




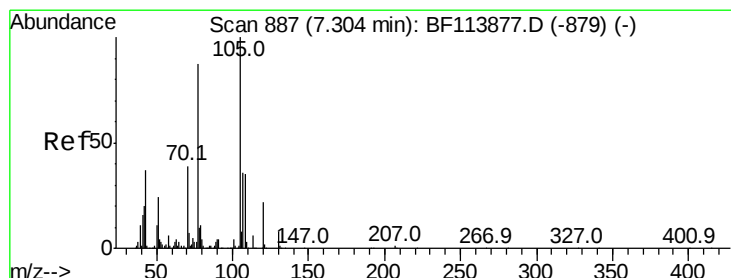
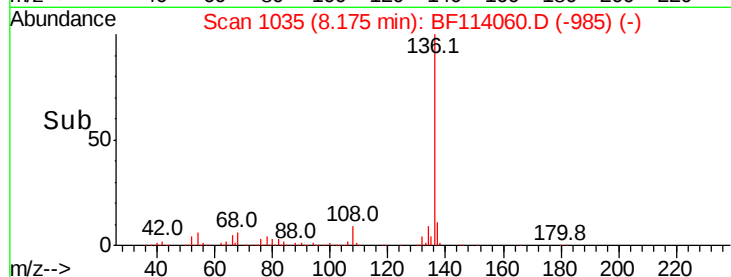
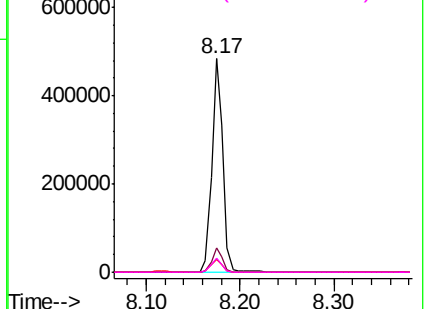
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 402125   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.6 12.8 |
| 54          | 6.3   | 5.0 7.6  |
| 68          | 6.3   | 4.9 7.3  |

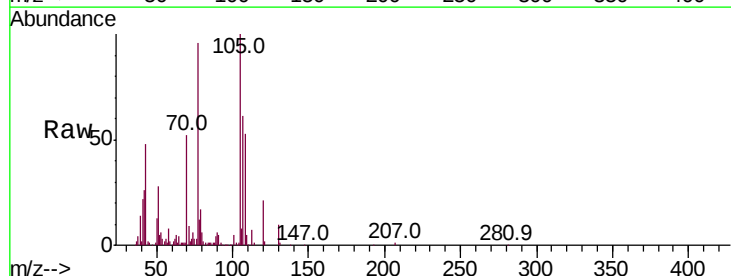


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

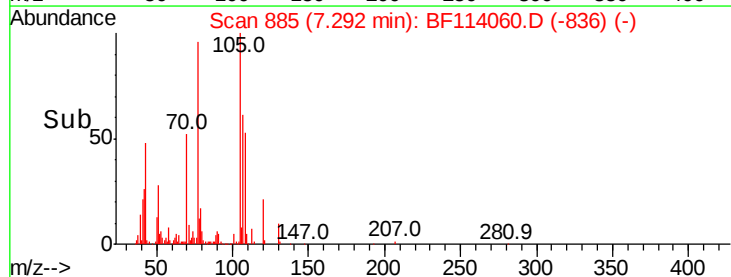
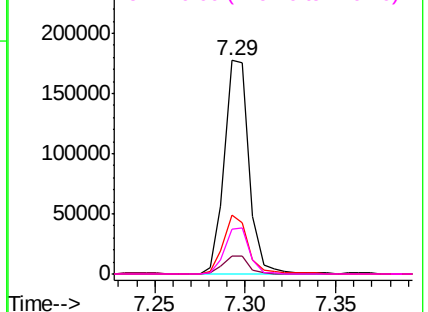


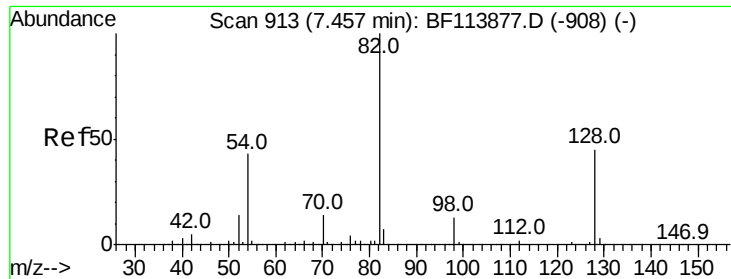
#22  
Acetophenone  
Concen: 18.973 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 169782     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 8.6   | 6.1 9.1    |
| 51          | 27.8  | 16.8 25.2# |
| 120         | 20.8  | 17.6 26.4  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

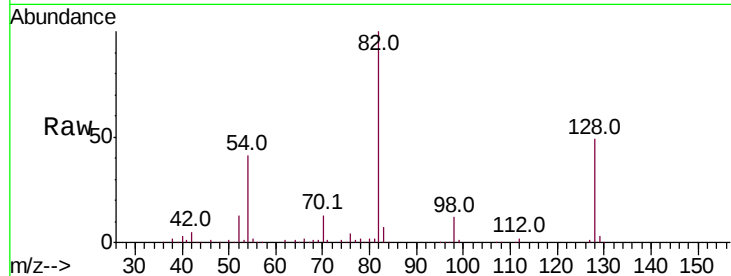




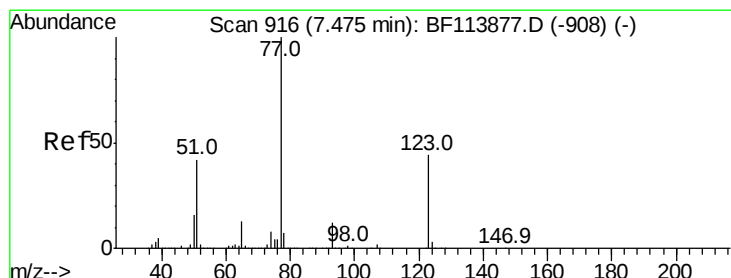
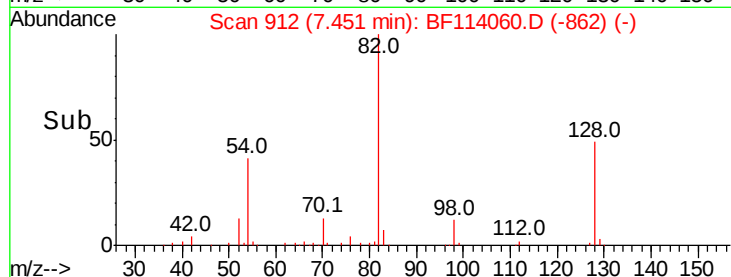
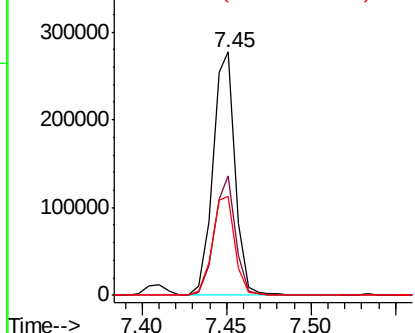
#23  
 Nitrobenzene-d5  
 Concen: 39.148 ng  
 RT: 7.45 min Scan# 912  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.9  | 36.8  | 55.2  |
| 54      | 40.8  | 33.8  | 50.6  |

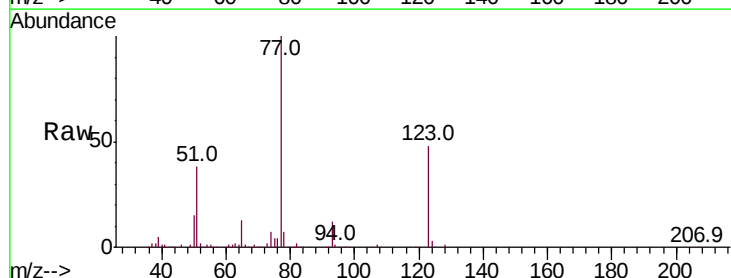


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

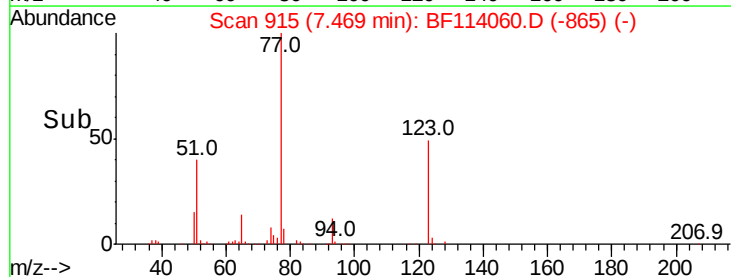
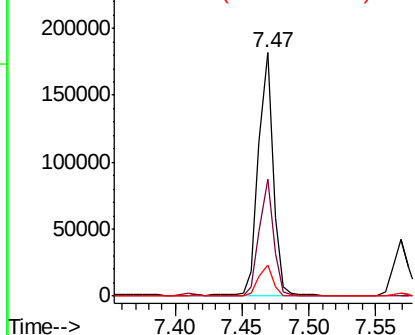


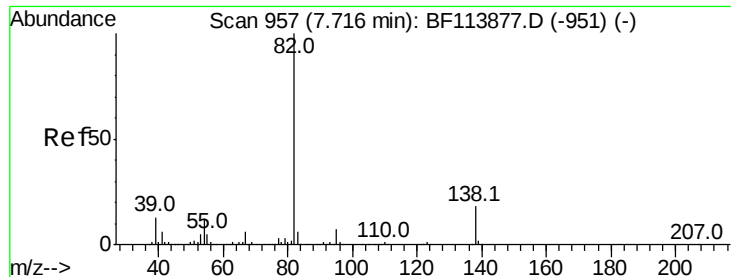
#24  
 Nitrobenzene  
 Concen: 19.023 ng  
 RT: 7.47 min Scan# 915  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 48.3  | 36.3  | 54.5  |
| 65      | 12.6  | 10.3  | 15.5  |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 17.480 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

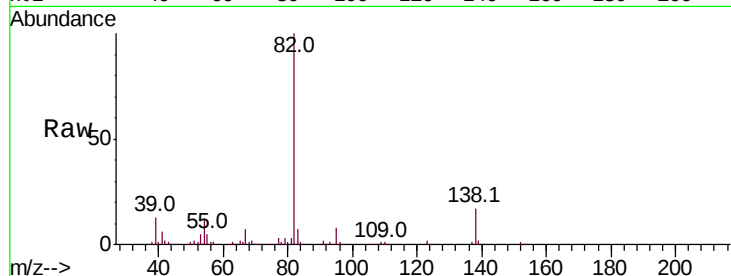
Tot Ion: 82 Resp: 232946

Ion Ratio Lower Upper

82 100

95 7.8 5.4 8.2

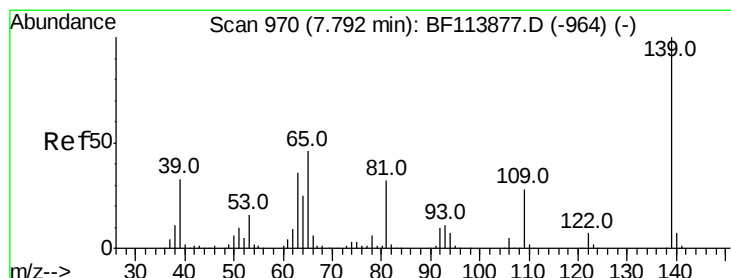
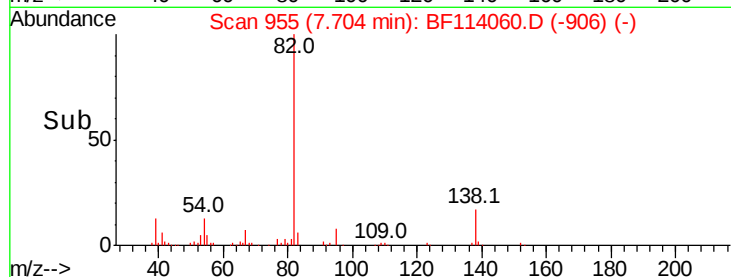
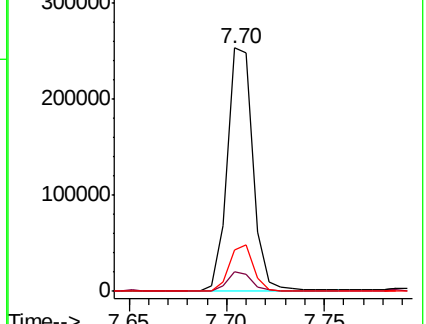
138 16.9 14.6 22.0



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: 18.161 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

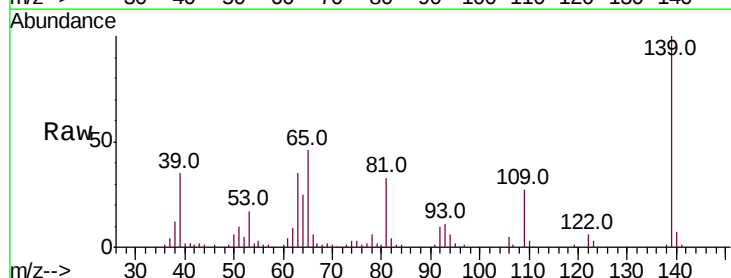
Tgt Ion:139 Resp: 59624

Ion Ratio Lower Upper

139 100

109 26.7 20.6 31.0

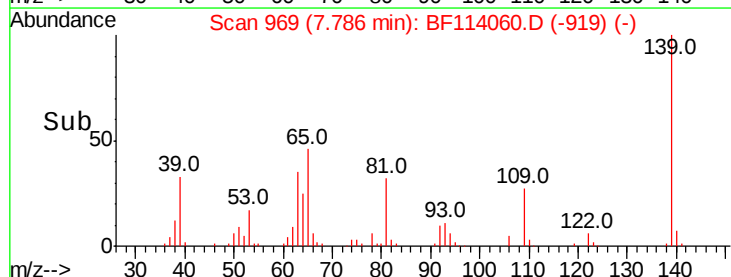
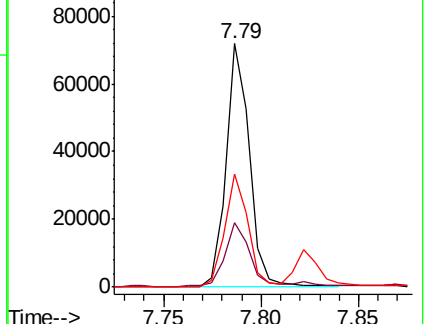
65 46.3 34.6 52.0

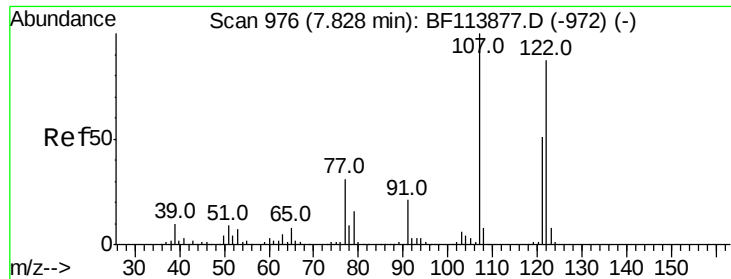


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

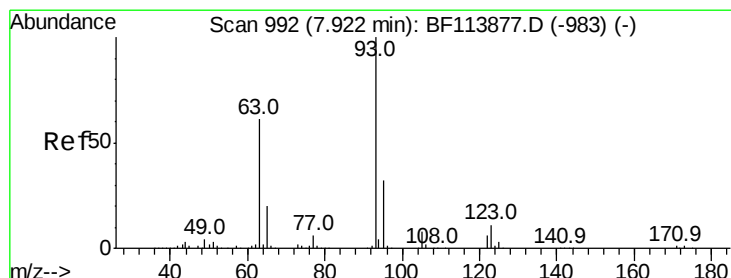
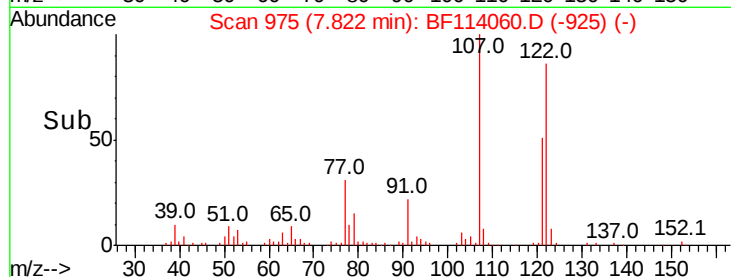
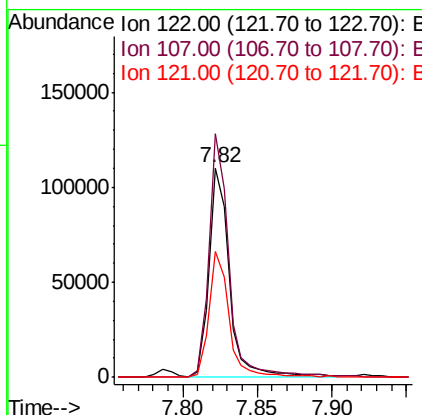
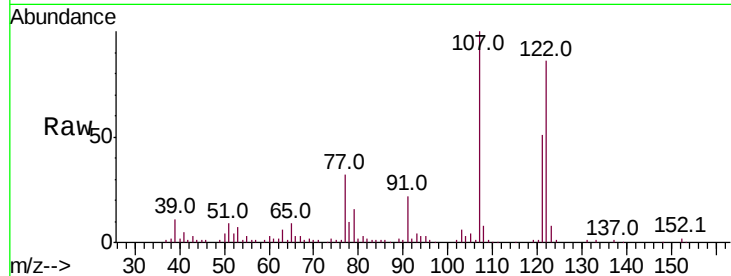




#27  
 2,4-Dimethylphenol  
 Concen: 19.639 ng  
 RT: 7.82 min Scan# 975  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

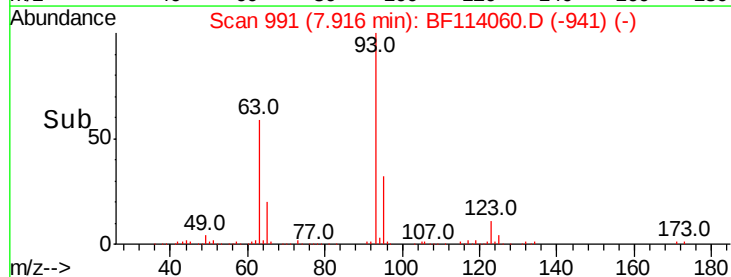
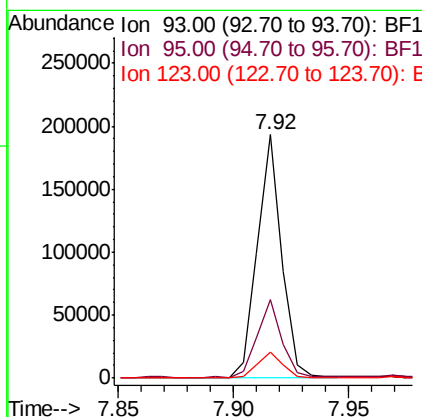
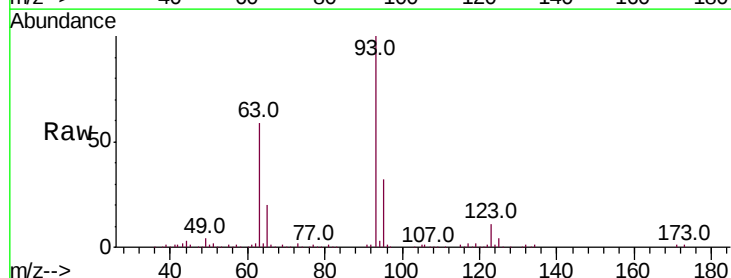
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

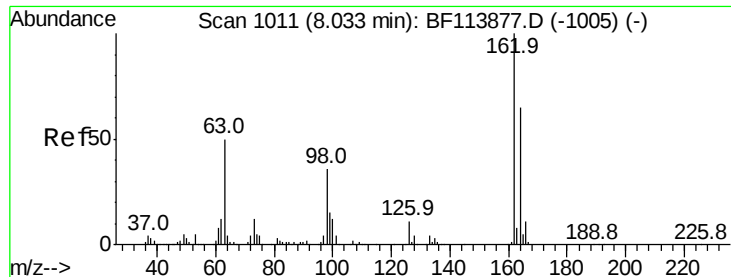
Tot Ion:122 Resp: 105047  
 Ion Ratio Lower Upper  
 122 100  
 107 116.3 91.2 136.8  
 121 59.9 46.4 69.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 16.870 ng  
 RT: 7.92 min Scan# 991  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Tgt Ion: 93 Resp: 143252  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 25.8 38.6  
 123 10.9 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 17.249 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

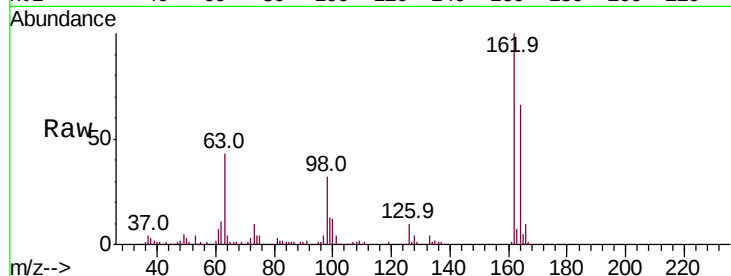
Tot Ion:162 Resp: 105506

Ion Ratio Lower Upper

162 100

164 65.6 43.7 83.7

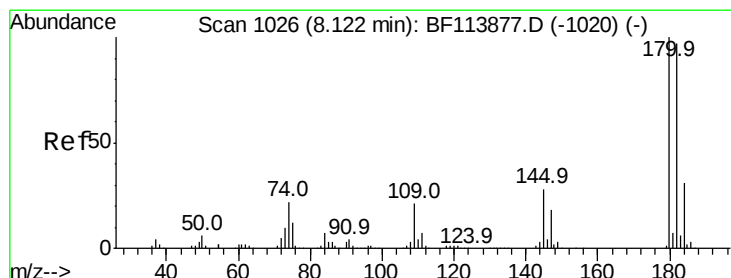
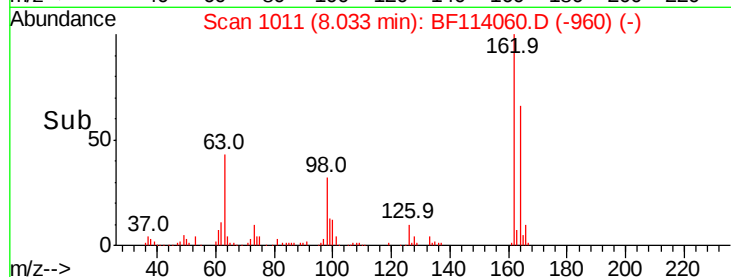
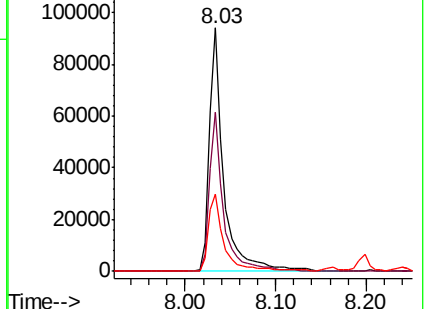
98 31.7 15.5 55.5



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: 17.327 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

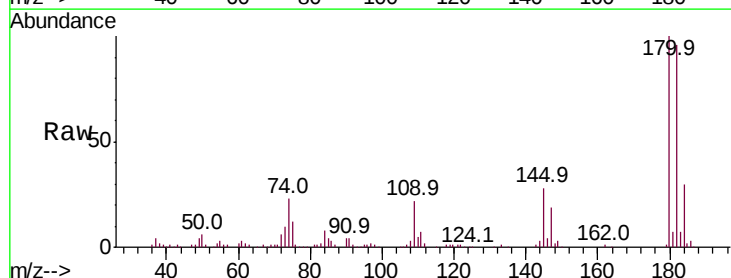
Tgt Ion:180 Resp: 118169

Ion Ratio Lower Upper

180 100

182 96.2 75.4 113.0

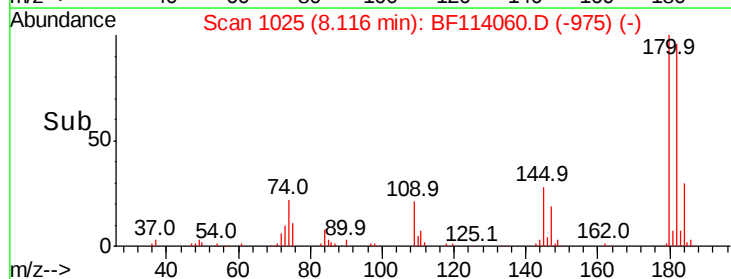
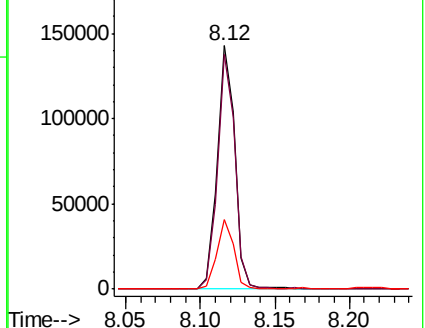
145 28.5 23.0 34.4

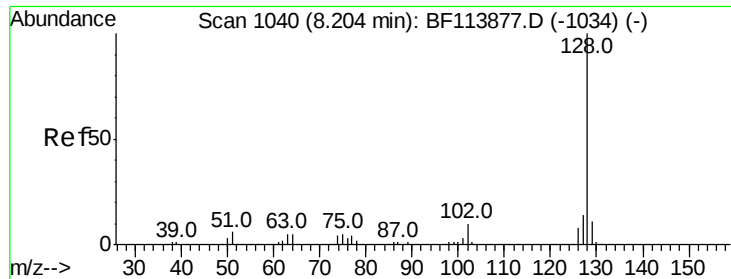


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

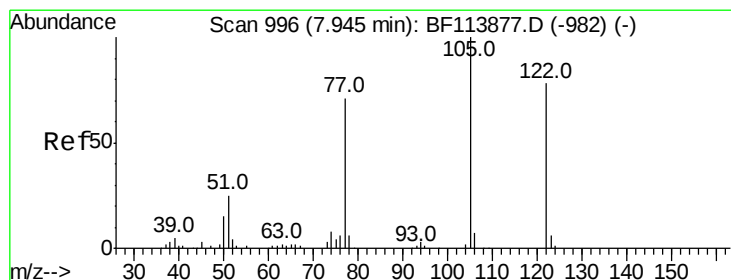
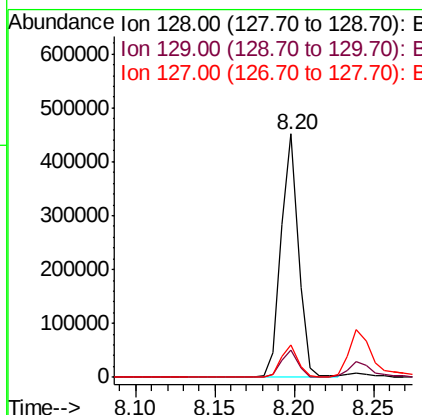
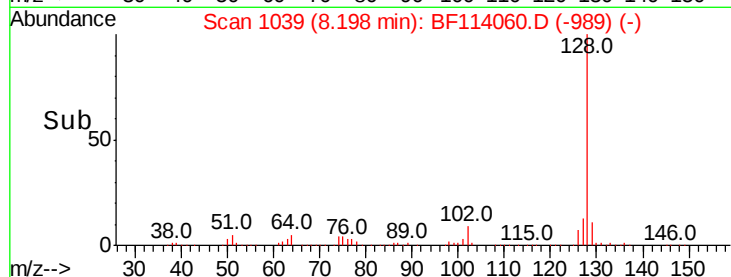
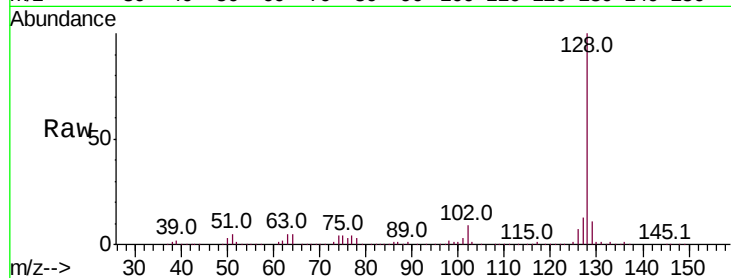




#31  
Naphthalene  
Concen: 18.100 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

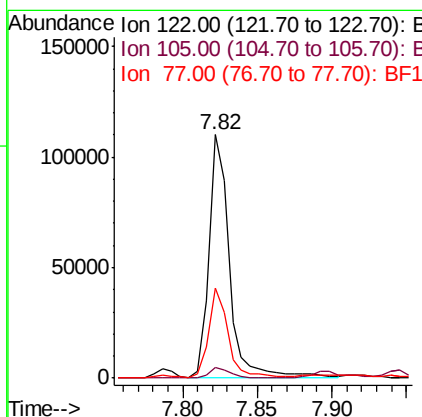
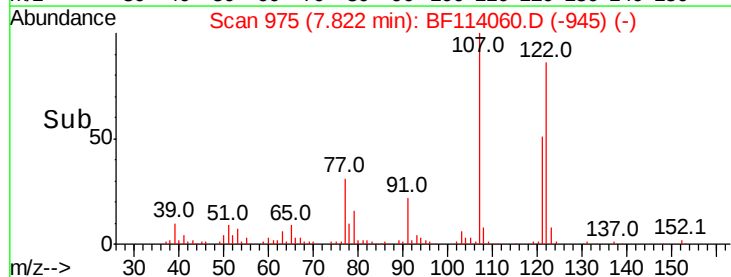
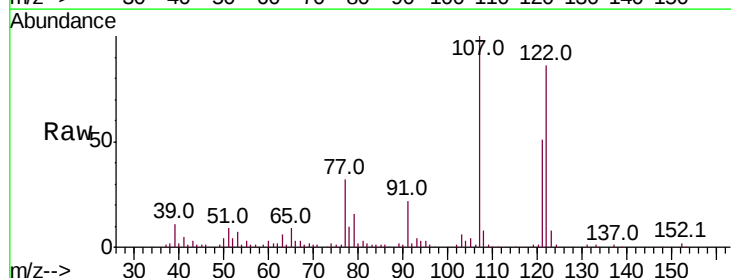
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

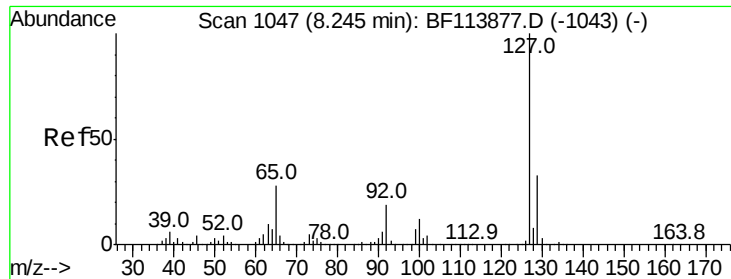
Tot Ion:128 Resp: 345773  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.4 14.0  
127 13.1 10.8 16.2



#32  
Benzoic acid  
Concen: 29.081 ng  
RT: 7.82 min Scan# 975  
Delta R.T. -0.12 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:122 Resp: 105047  
Ion Ratio Lower Upper  
122 100  
105 4.3 104.3 144.3#  
77 36.7 70.4 110.4#

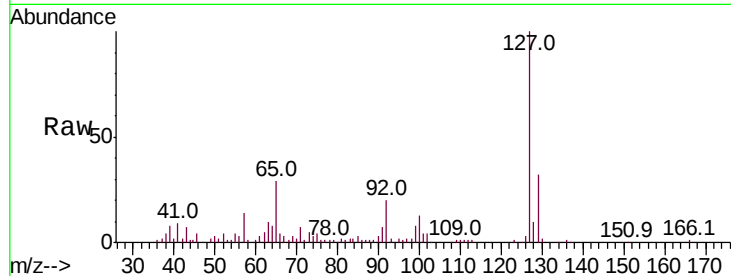




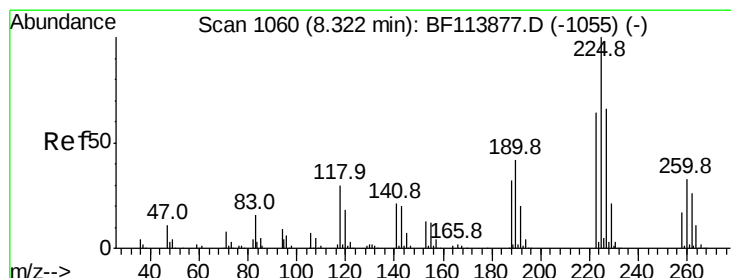
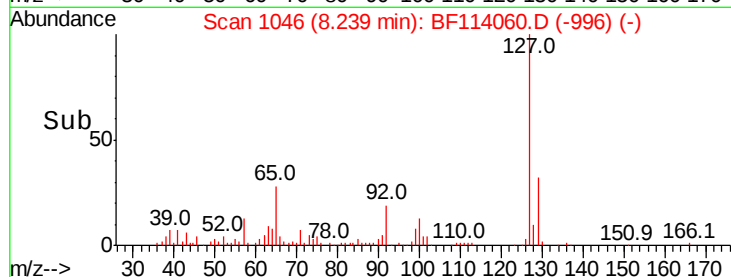
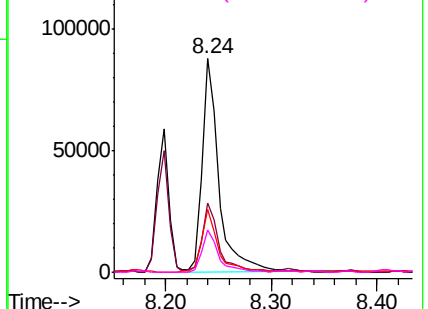
#33  
4-Chloroaniline  
Concen: 11.811 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 95468     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 32.2  | 26.4 39.6 |
| 65          | 29.2  | 24.9 37.3 |
| 92          | 19.8  | 15.9 23.9 |

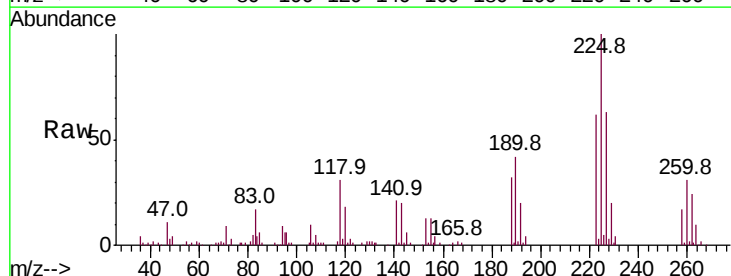


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

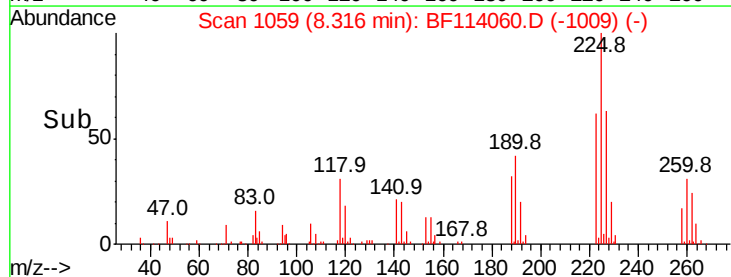
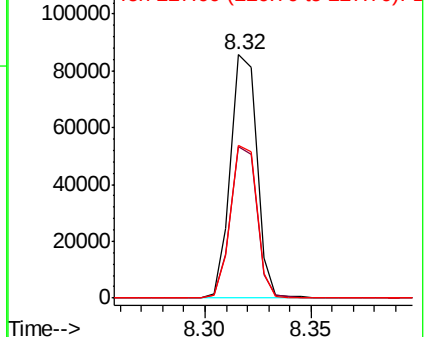


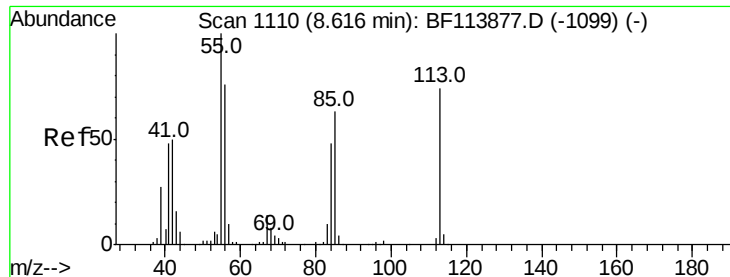
#34  
Hexachlorobutadiene  
Concen: 17.407 ng  
RT: 8.32 min Scan# 1059  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 74007     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.4  | 51.1 76.7 |
| 227         | 62.7  | 49.9 74.9 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 16.599 ng

RT: 8.58 min Scan# 1104

Delta R.T. -0.04 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

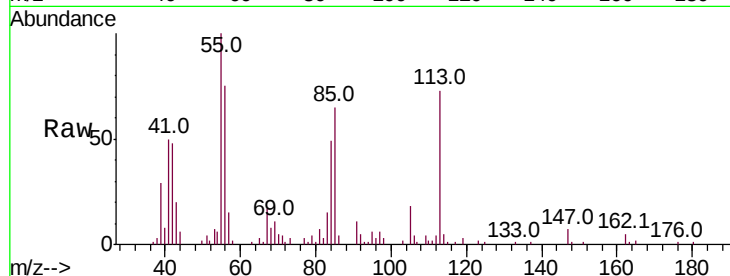
Tot Ion:113 Resp: 32298

Ion Ratio Lower Upper

113 100

55 136.9 128.6 168.6

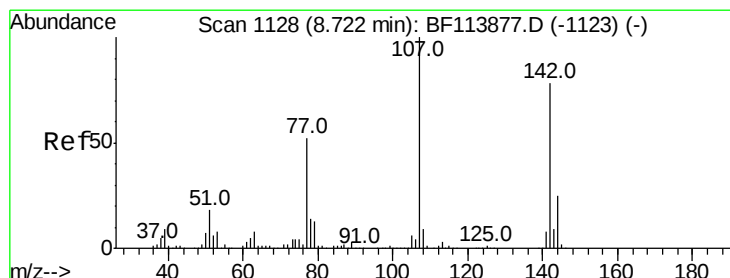
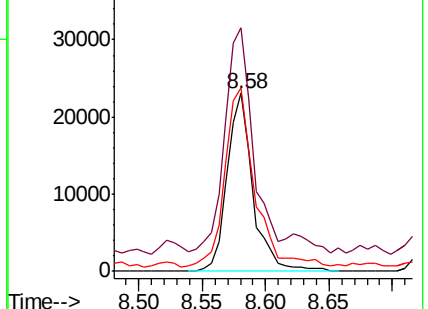
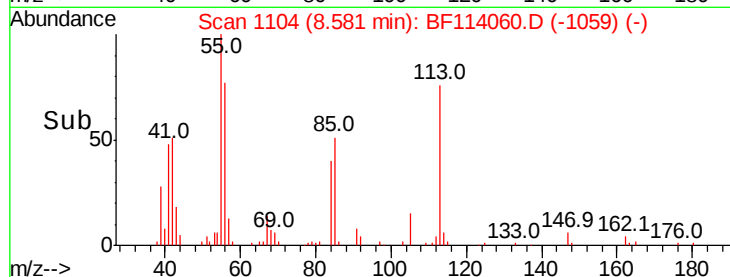
56 103.0 91.9 131.9



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: 16.896 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

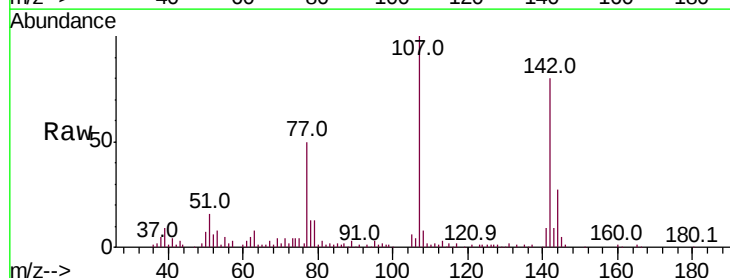
Tgt Ion:107 Resp: 102388

Ion Ratio Lower Upper

107 100

144 26.7 20.5 30.7

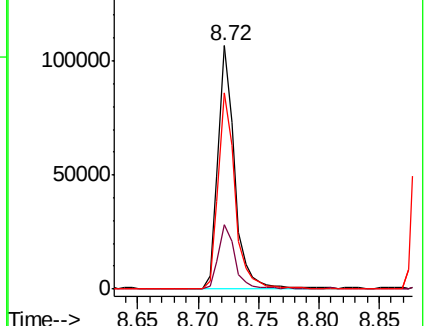
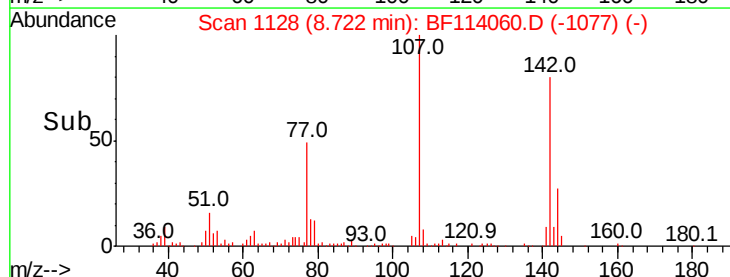
142 80.5 64.2 96.4

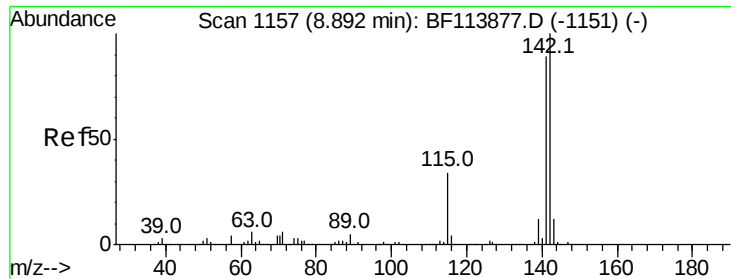


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 18.506 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

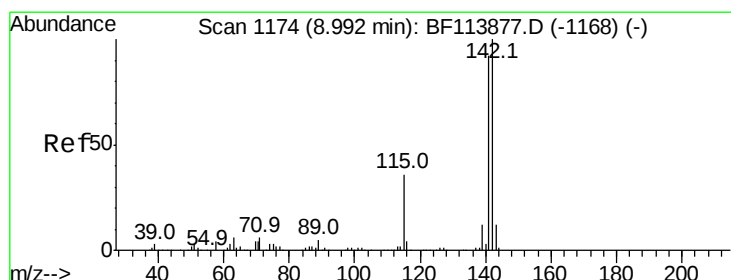
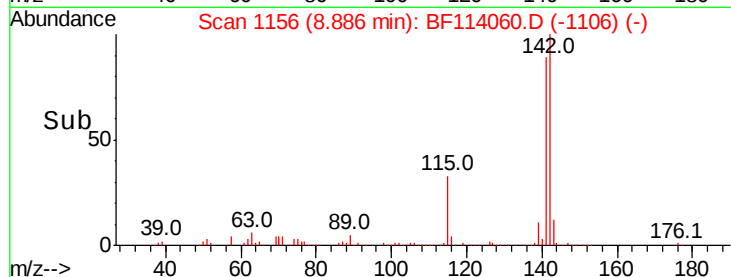
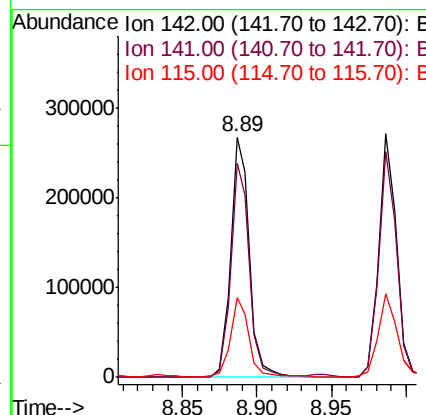
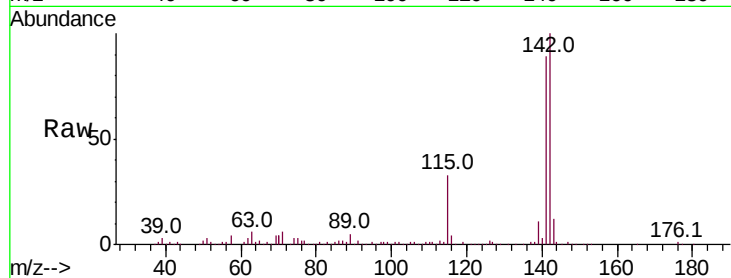
Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:142 Resp: 238400

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 89.0  | 70.4  | 105.6 |
| 115 | 33.2  | 26.3  | 39.5  |



#38

1-Methylnaphthalene

Concen: 17.621 ng

RT: 8.99 min Scan# 1173

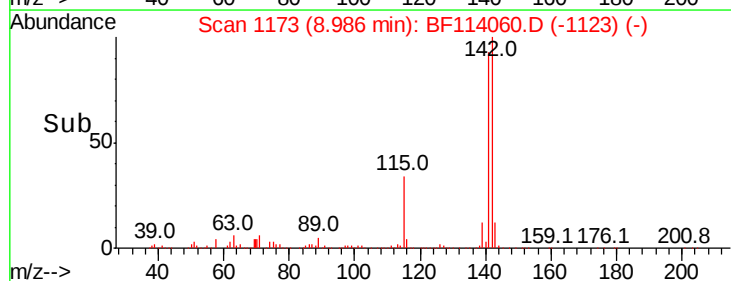
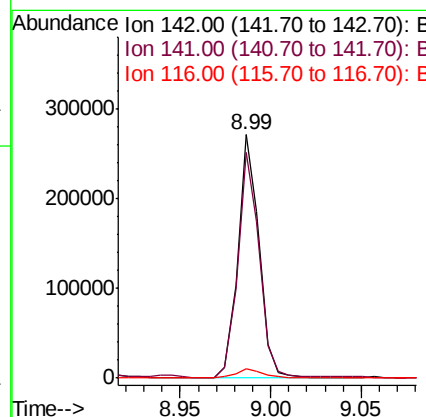
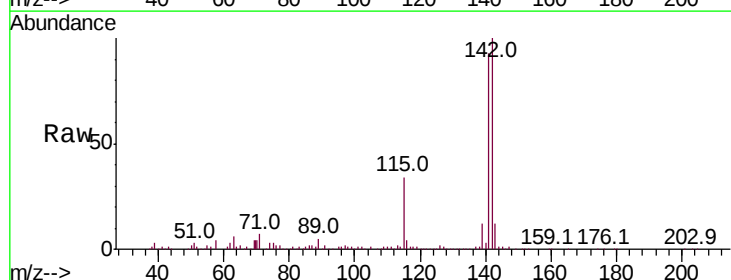
Delta R.T. -0.01 min

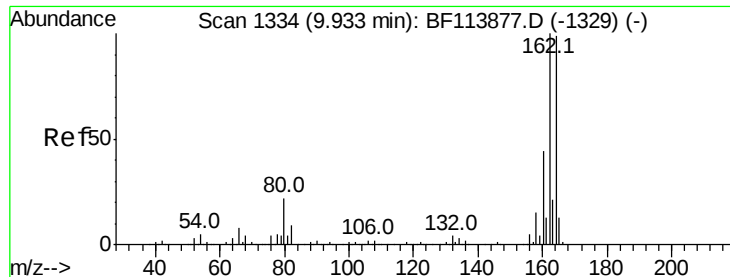
Lab File: BF114060.D

Acq: 1 May 2019 11:17

Tgt Ion:142 Resp: 219093

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 92.7  | 72.3  | 108.5 |
| 116 | 3.7   | 3.0   | 4.4   |

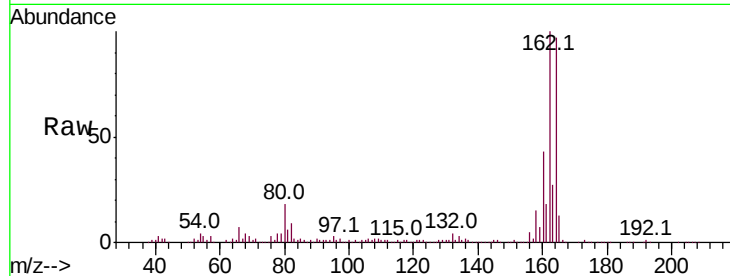




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 81.1  | 121.7 |
| 160     | 44.5  | 35.8  | 53.6  |

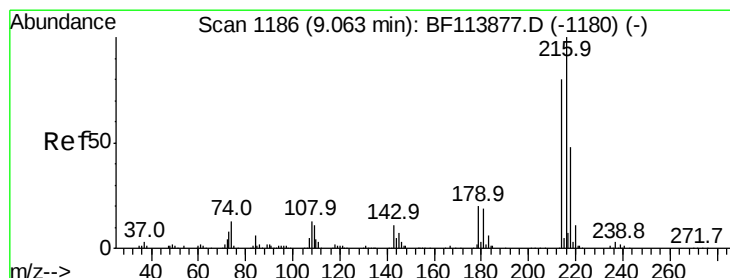
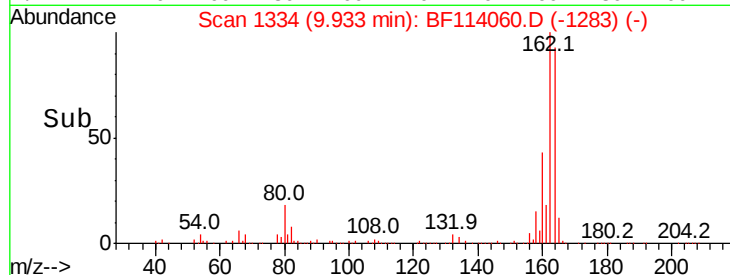
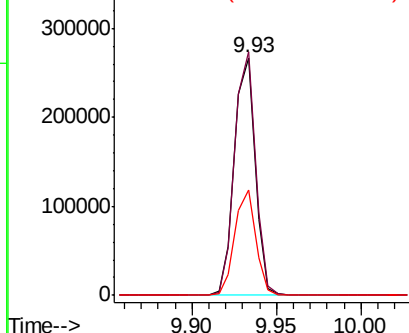


Abundance

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: 16.190 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.4  | 63.5  | 95.3  |
| 179     | 21.1  | 16.1  | 24.1  |
| 108     | 15.4  | 13.4  | 20.0  |

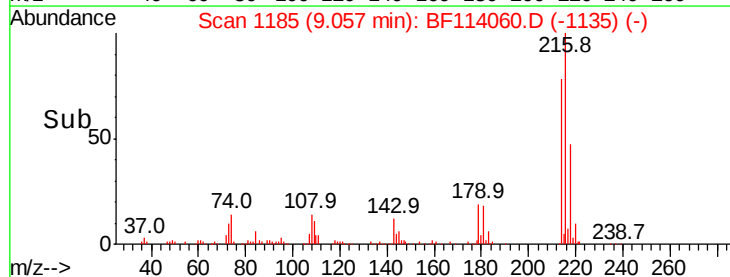
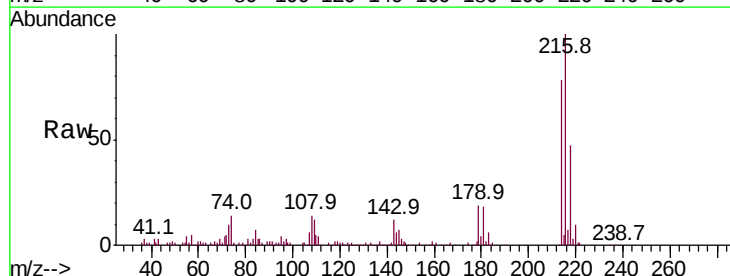
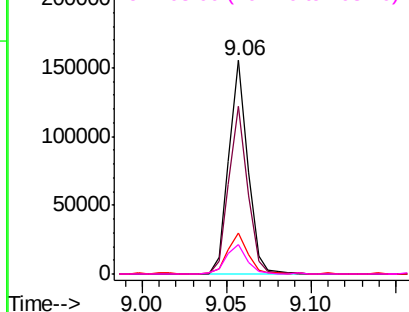
Abundance

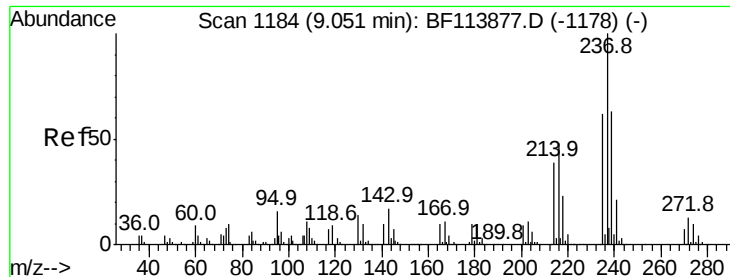
Ion 216.00 (215.70 to 216.70): E

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: 3.594 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

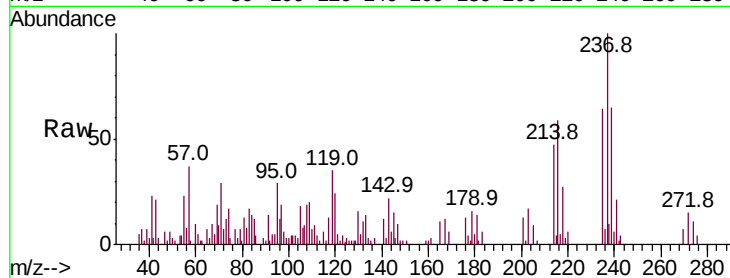
Tot Ion:237 Resp: 14951

Ion Ratio Lower Upper

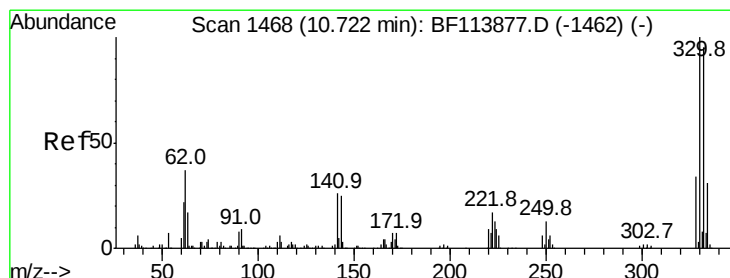
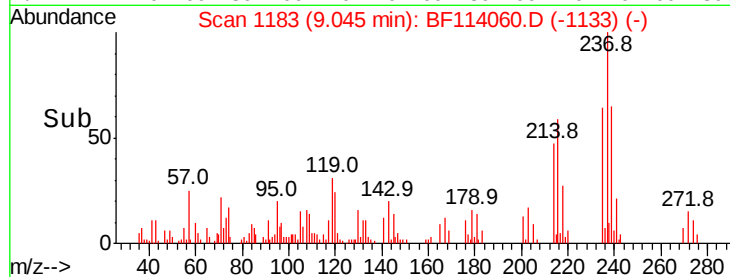
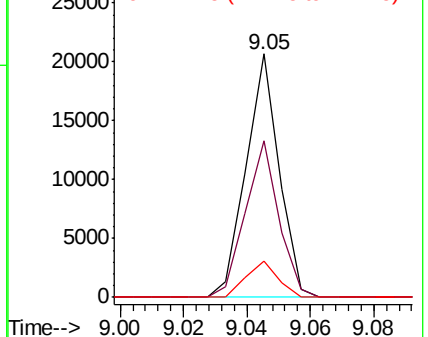
237 100

235 64.3 42.6 82.6

272 14.7 0.0 33.8



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: 45.377 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

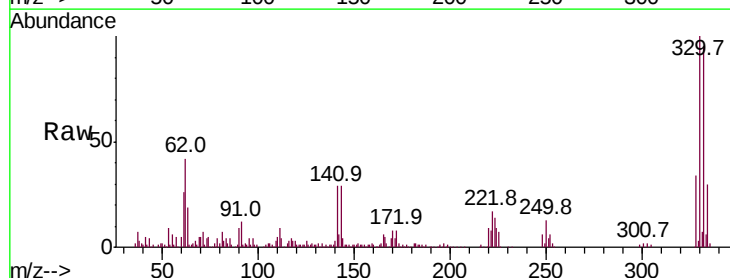
Tgt Ion:330 Resp: 126963

Ion Ratio Lower Upper

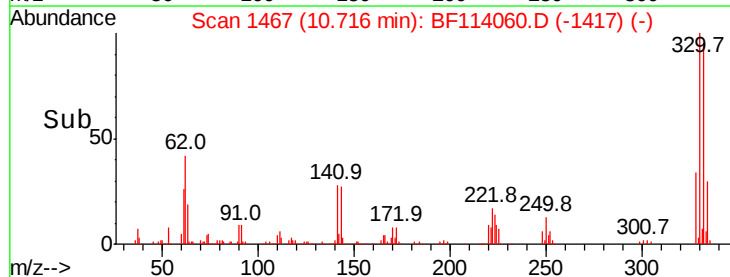
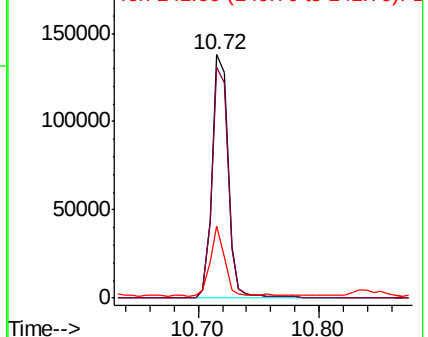
330 100

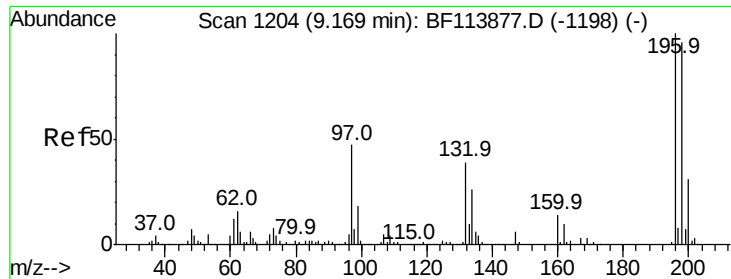
332 96.0 77.5 116.3

141 24.6 22.2 33.2



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

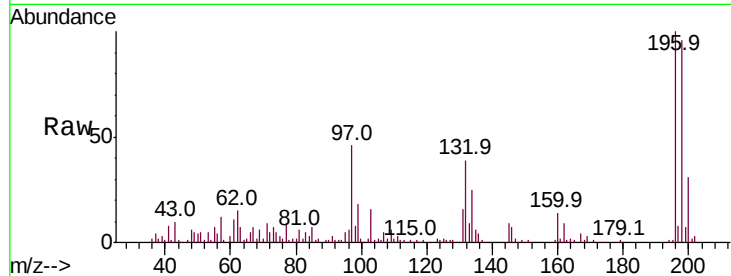




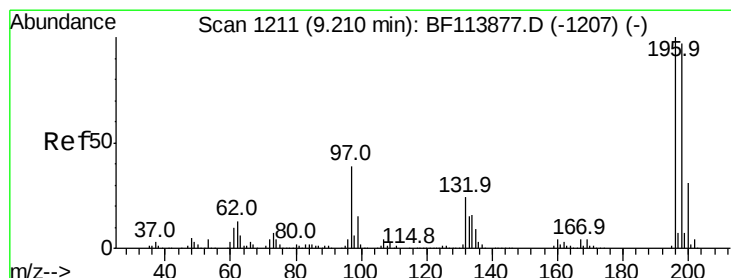
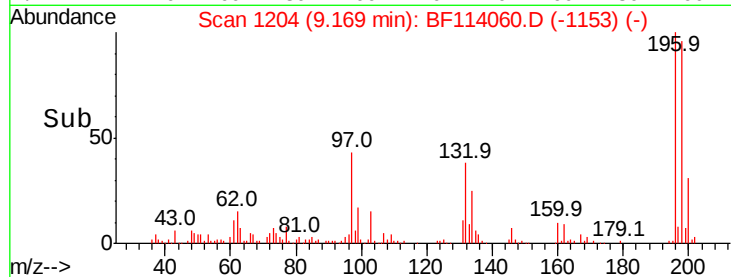
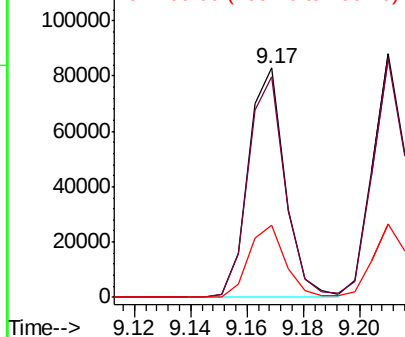
#43  
 2,4,6-Trichlorophenol  
 Concen: 15.762 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

Tot Ion:196 Resp: 74672  
 Ion Ratio Lower Upper  
 196 100  
 198 96.0 75.6 113.4  
 200 31.3 24.7 37.1



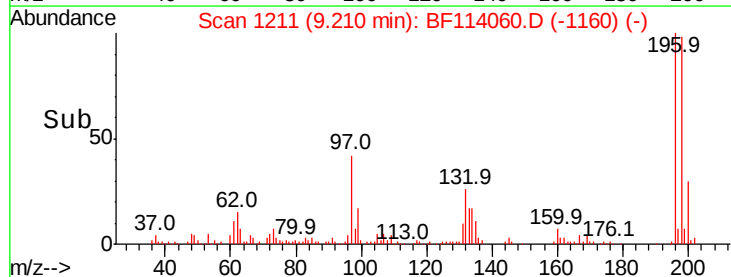
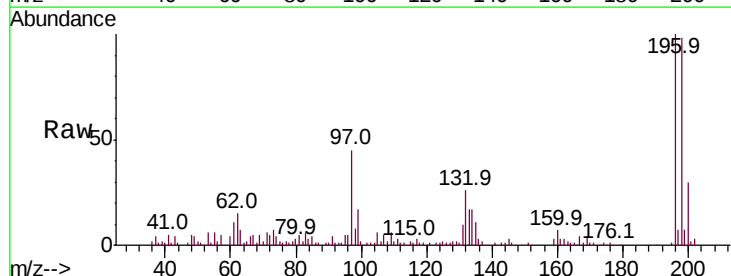
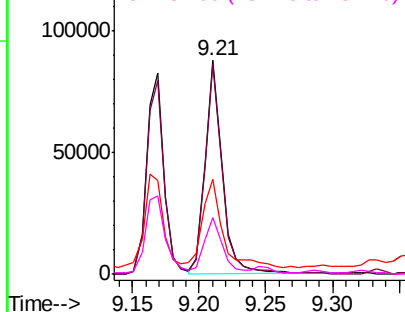
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

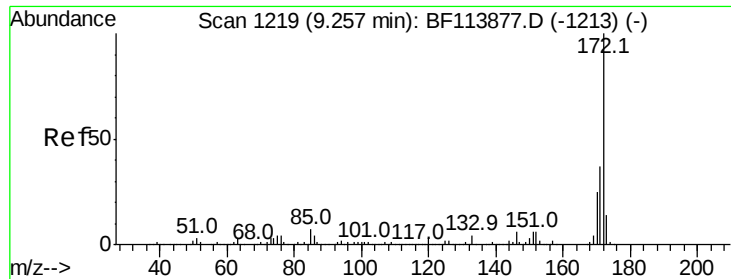


#44  
 2,4,5-Trichlorophenol  
 Concen: 14.854 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Tgt Ion:196 Resp: 78931  
 Ion Ratio Lower Upper  
 196 100  
 198 98.1 76.2 114.4  
 97 44.6 35.8 53.8  
 132 26.4 20.9 31.3

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

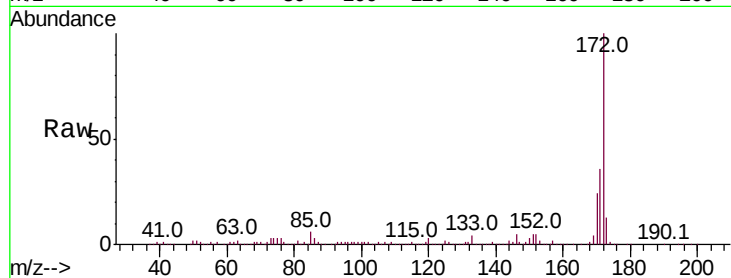




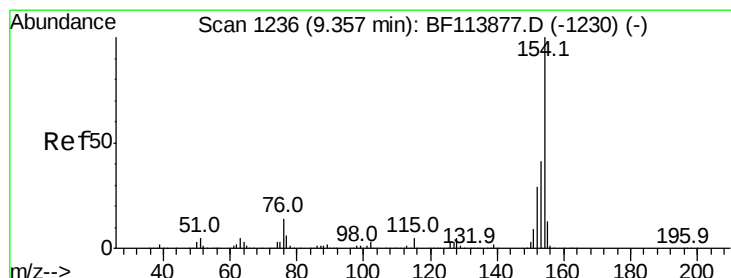
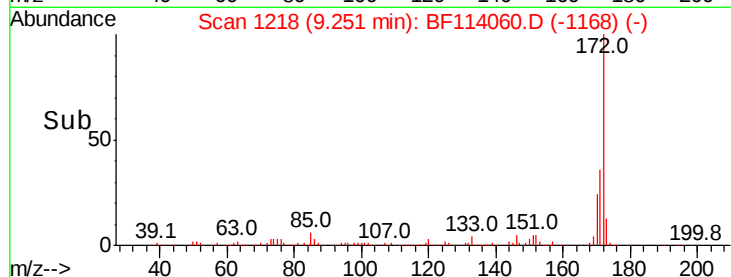
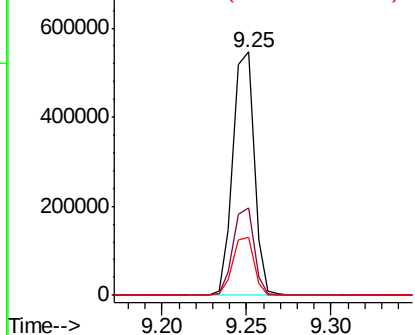
#45  
2-Fluorobiphenyl  
Concen: 32.763 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.00 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:172 Resp: 481131  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.4 44.0  
170 23.8 19.9 29.9

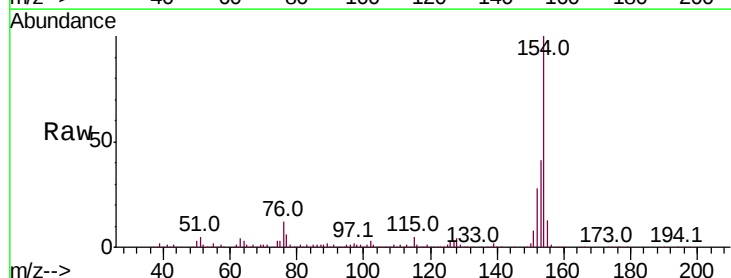


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

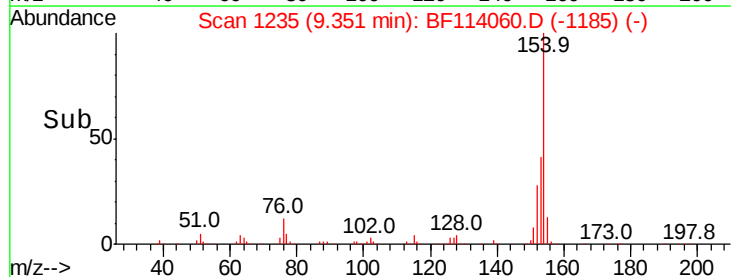
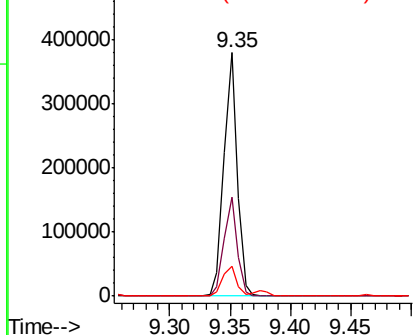


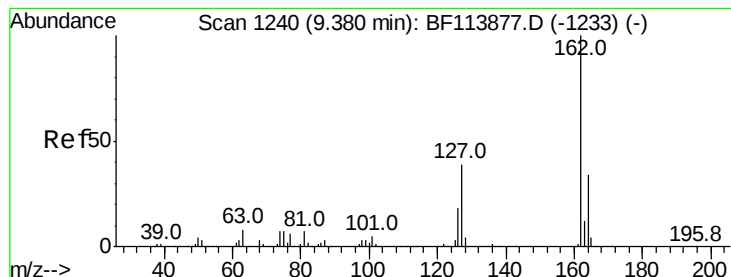
#46  
1,1'-Biphenyl  
Concen: 16.501 ng  
RT: 9.35 min Scan# 1235  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:154 Resp: 289529  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.8 60.8  
76 12.4 0.0 35.2



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: 16.149 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

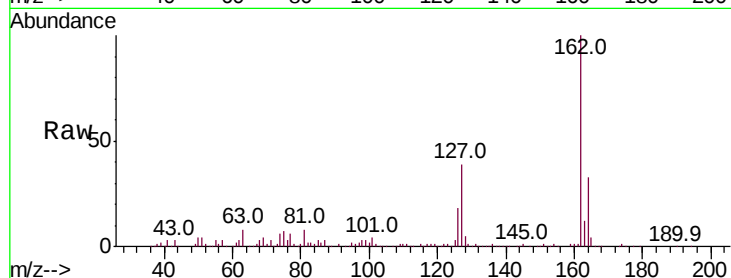
Tot Ion:162 Resp: 230418

Ion Ratio Lower Upper

162 100

127 39.0 29.3 43.9

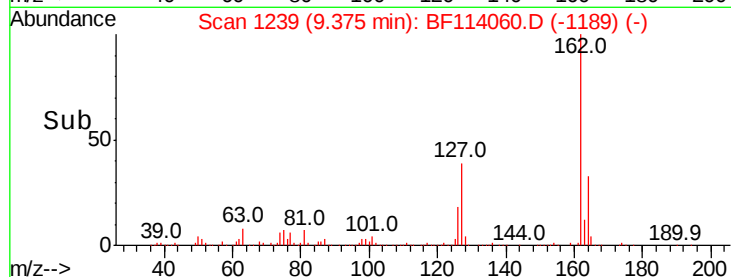
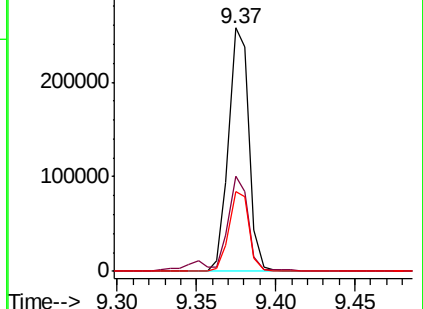
164 32.6 27.1 40.7



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: 16.477 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

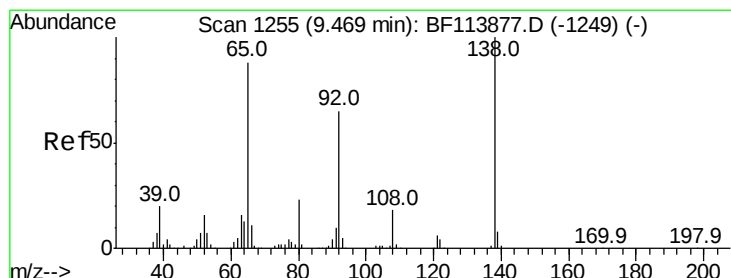
Tgt Ion: 65 Resp: 61632

Ion Ratio Lower Upper

65 100

92 72.1 57.4 86.0

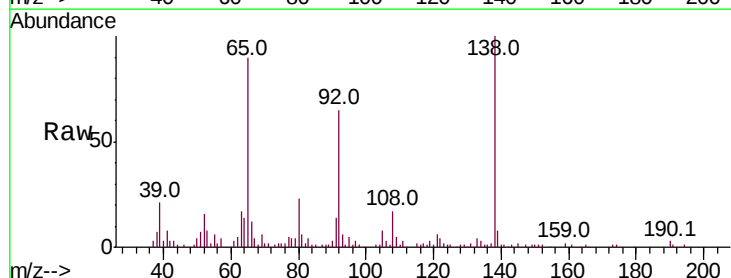
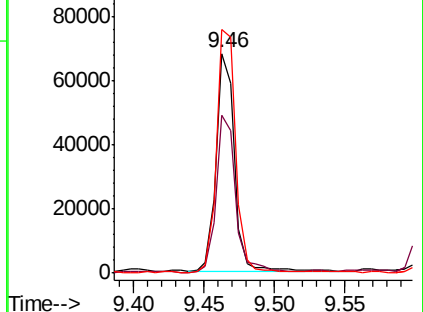
138 111.0 85.4 128.0

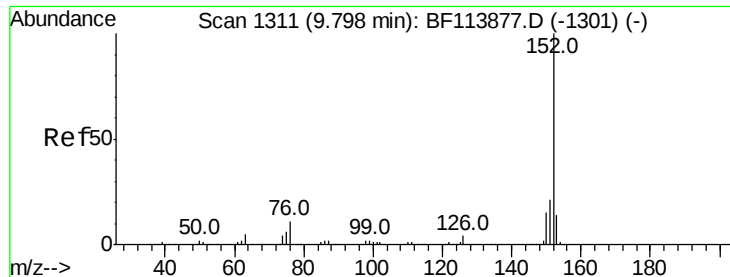


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 16.954 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

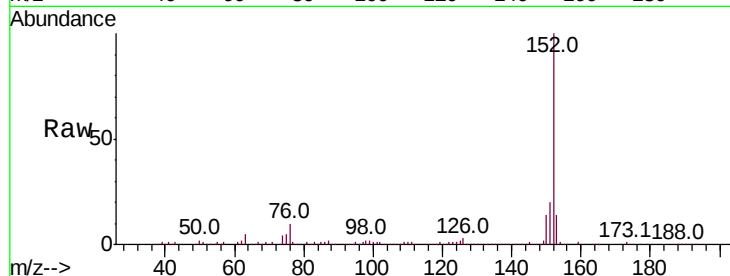
Tot Ion:152 Resp: 378705

Ion Ratio Lower Upper

152 100

151 20.5 17.0 25.4

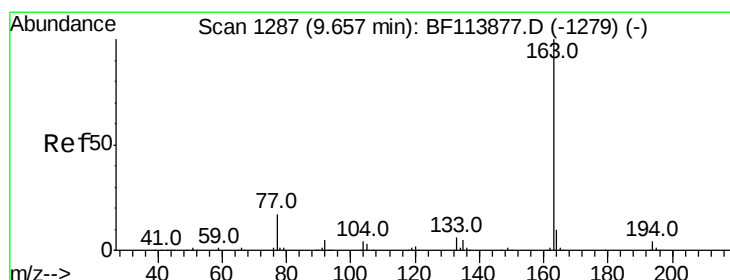
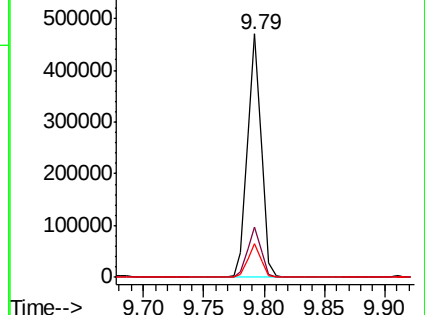
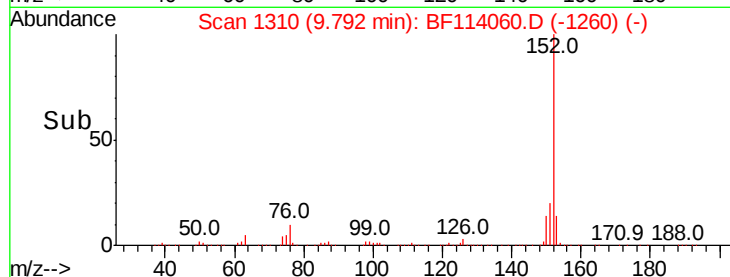
153 13.7 11.0 16.6



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: 22.005 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

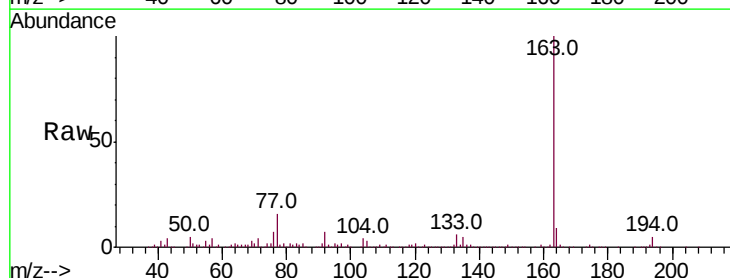
Tgt Ion:163 Resp: 365527

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

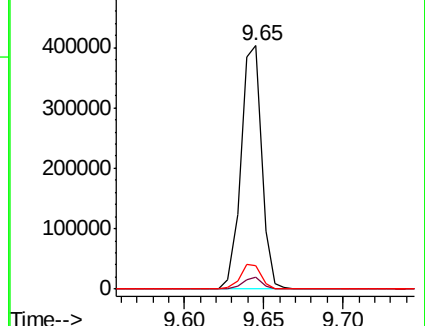
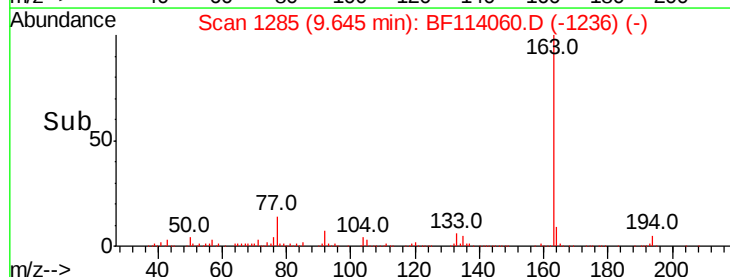
164 9.4 8.5 12.7

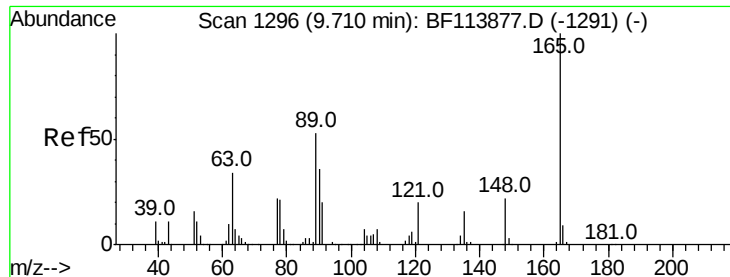


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 17.603 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

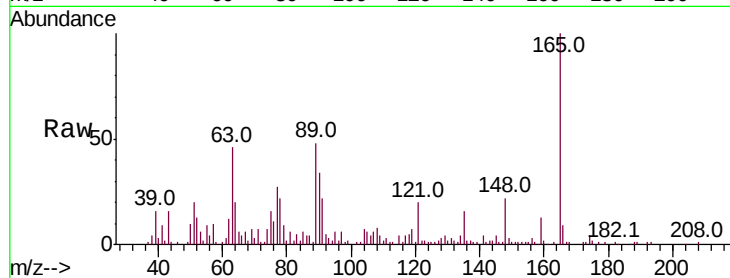
Tot Ion:165 Resp: 62732

Ion Ratio Lower Upper

165 100

63 46.0 33.8 50.8

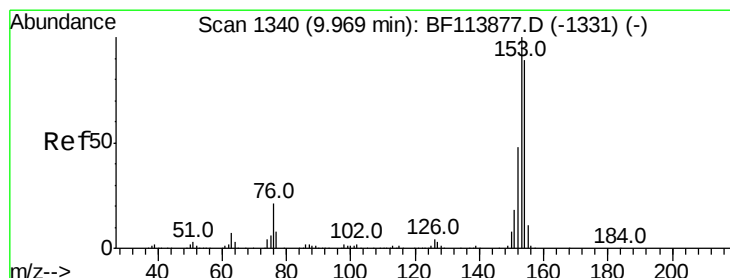
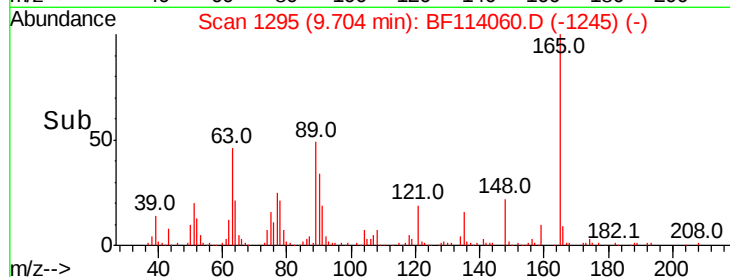
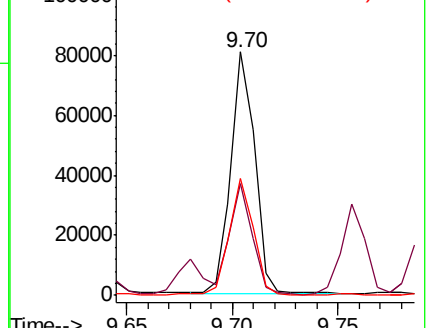
89 48.0 38.2 57.2



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: 16.741 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

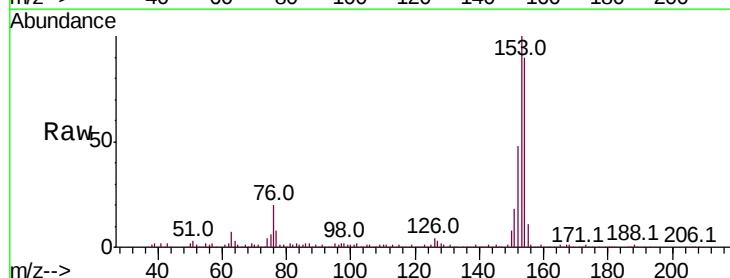
Tgt Ion:154 Resp: 220995

Ion Ratio Lower Upper

154 100

153 111.2 87.2 130.8

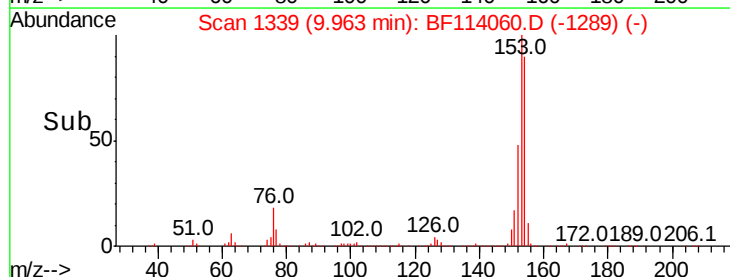
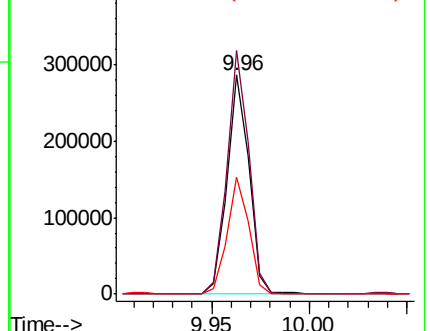
152 53.4 42.3 63.5

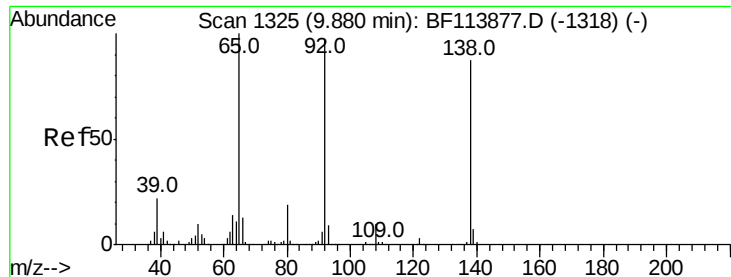


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

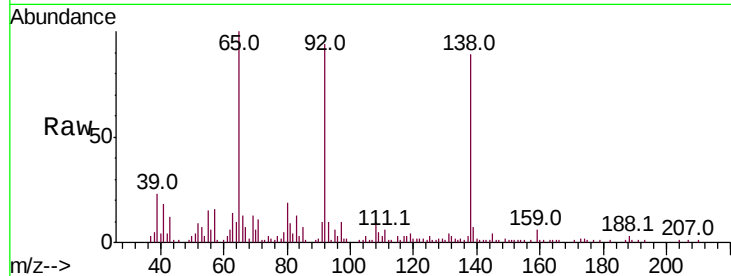




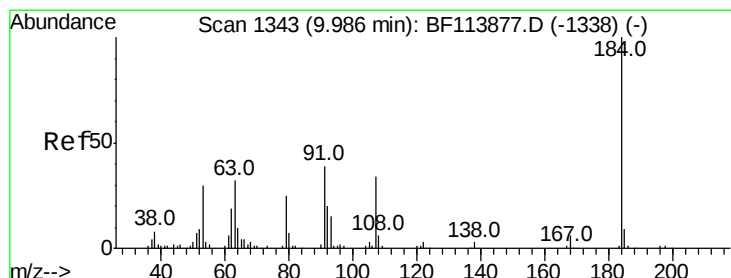
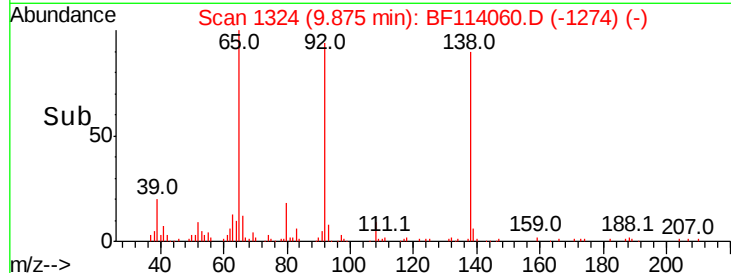
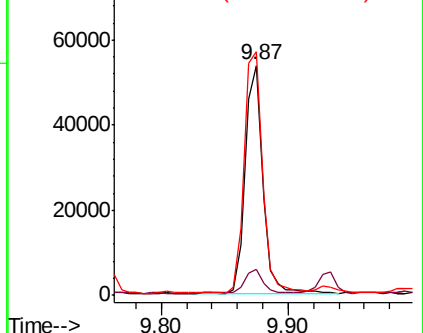
#53  
3-Nitroaniline  
Concen: 13.767 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:138 Resp: 51553  
Ion Ratio Lower Upper  
138 100  
108 11.2 9.4 14.2  
92 106.0 94.1 141.1

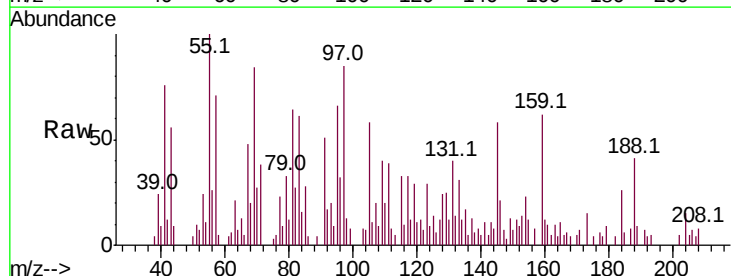


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

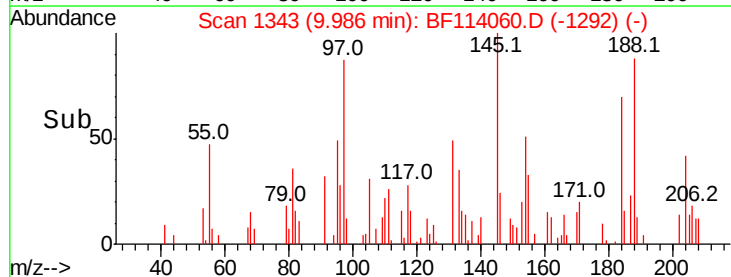
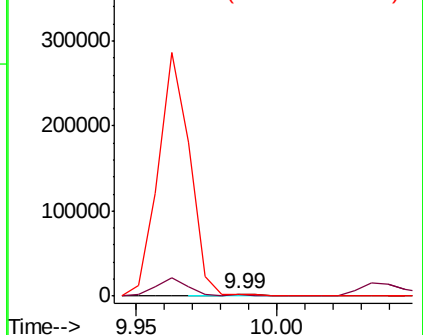


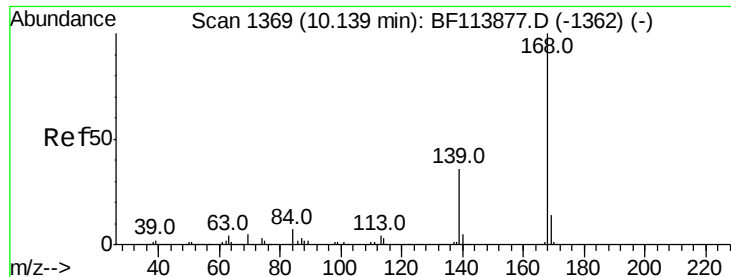
#54  
2,4-Dinitrophenol  
Concen: 9.688 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.00 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:184 Resp: 2355  
Ion Ratio Lower Upper  
184 100  
63 80.2 54.6 81.8  
154 88.2 218.6 328.0#



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

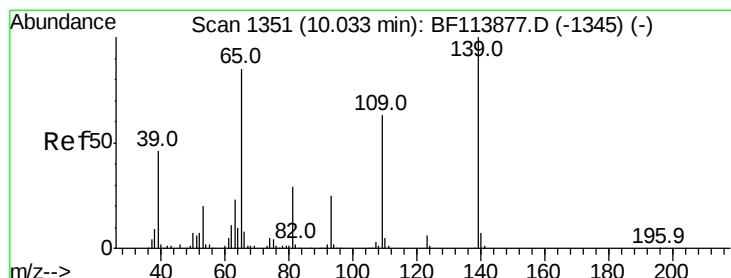
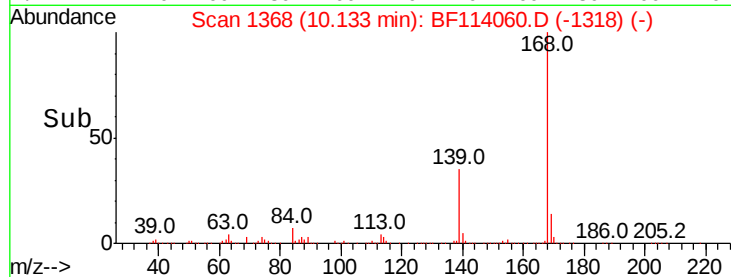
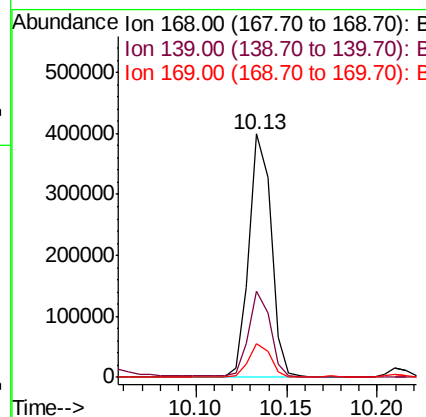
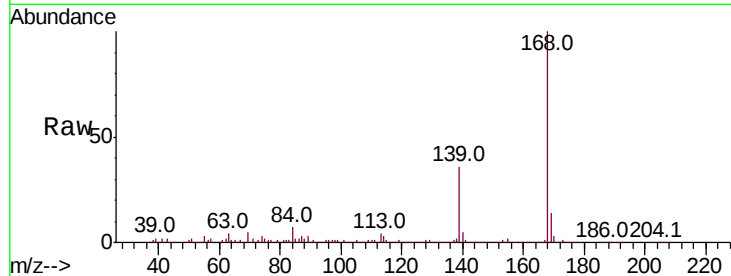




#55  
Dibenzofuran  
Concen: 17.332 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

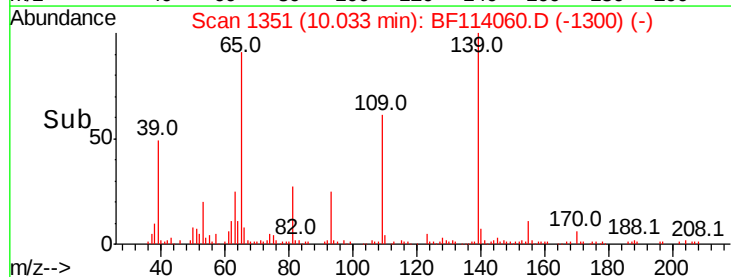
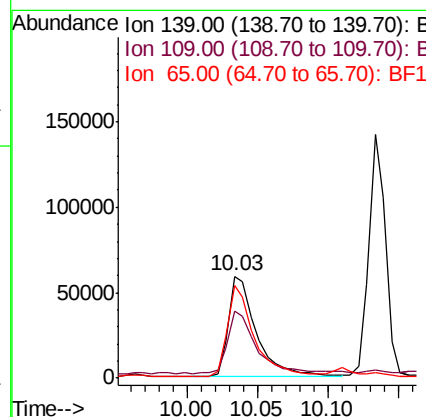
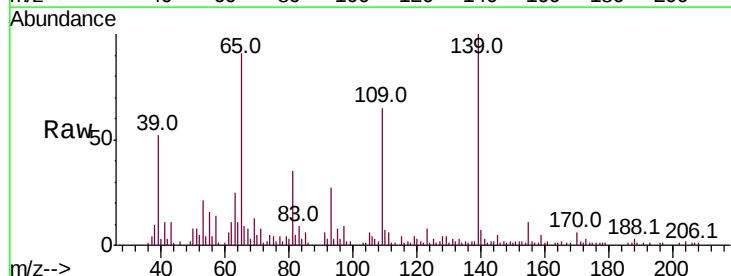
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

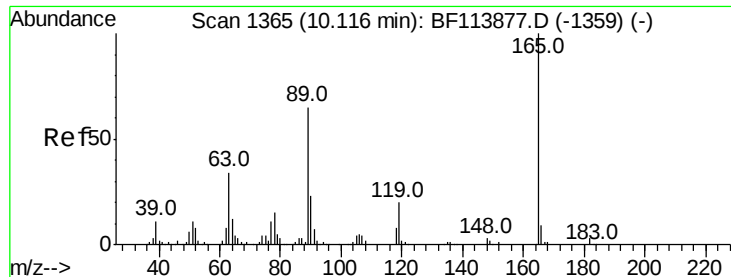
Tot Ion:168 Resp: 342738  
Ion Ratio Lower Upper  
168 100  
139 35.7 27.8 41.6  
169 14.0 11.0 16.6



#56  
4-Nitrophenol  
Concen: 27.707 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.00 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:139 Resp: 82151  
Ion Ratio Lower Upper  
139 100  
109 65.1 42.9 82.9  
65 91.3 64.4 104.4





#57

2,4-Dinitrotoluene

Concen: 18.175 ng

RT: 10.11 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

Tot Ion:165 Resp: 81754

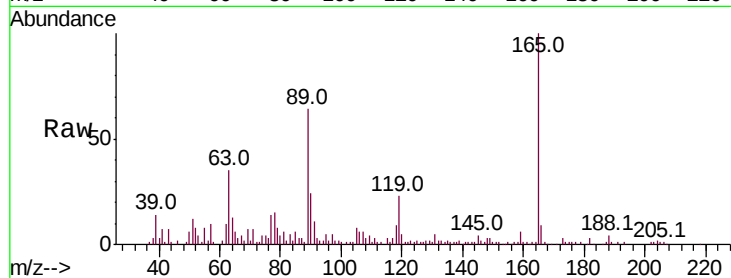
Ion Ratio Lower Upper

165 100

63 35.1 27.4 41.0

89 64.2 51.8 77.6

182 2.9 2.2 3.2

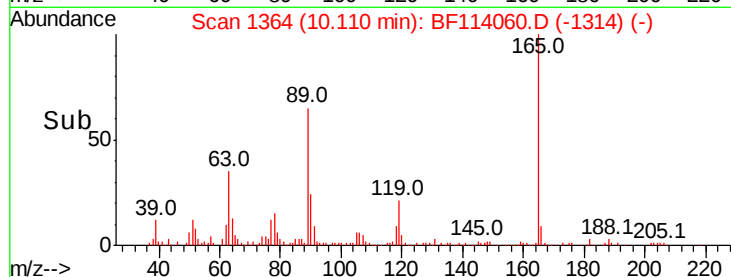


Abundance Ion 165.00 (164.70 to 165.70): E

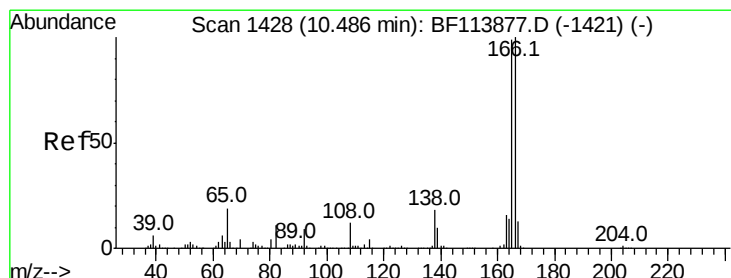
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 18.295 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

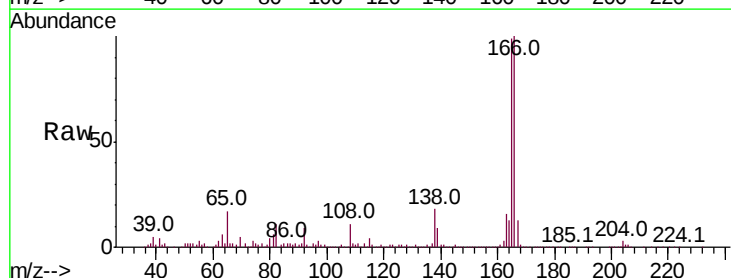
Tgt Ion:166 Resp: 272372

Ion Ratio Lower Upper

166 100

165 98.9 78.4 117.6

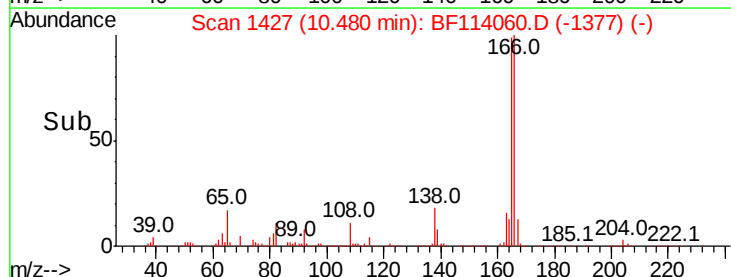
167 13.2 10.9 16.3



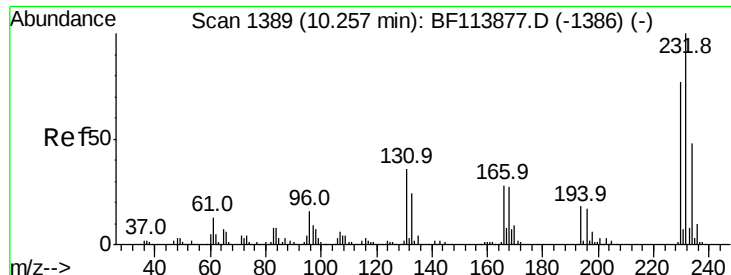
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



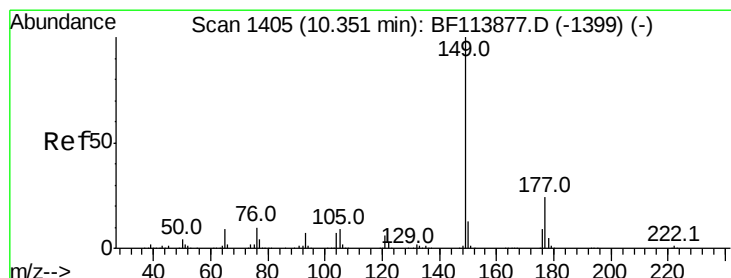
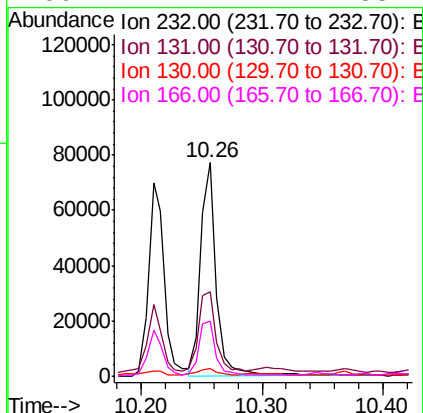
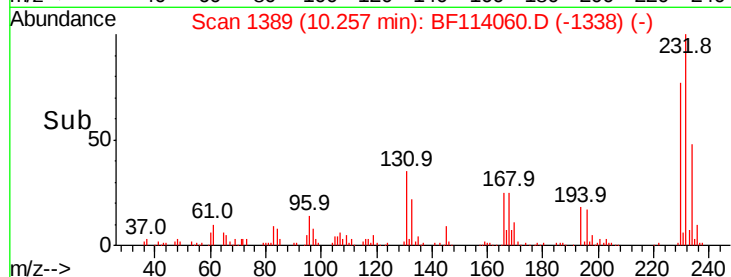
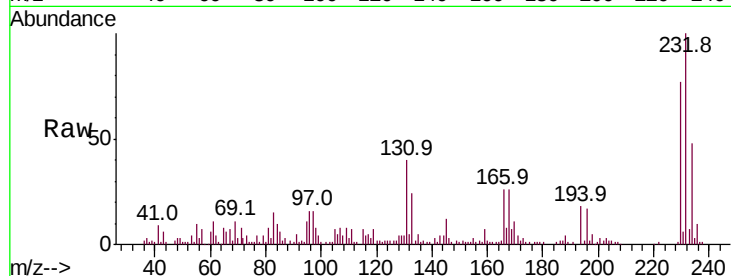
Time-->



#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 14.923 ng  
 RT: 10.26 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

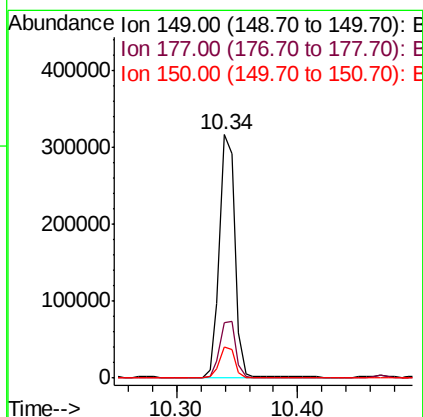
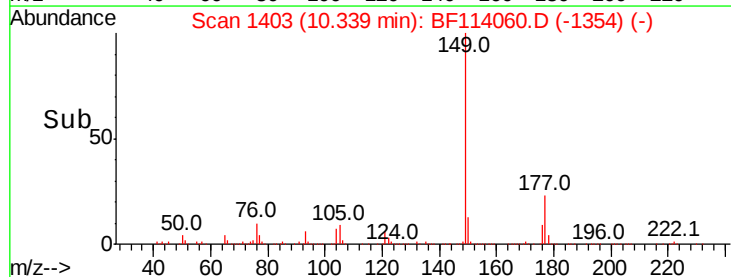
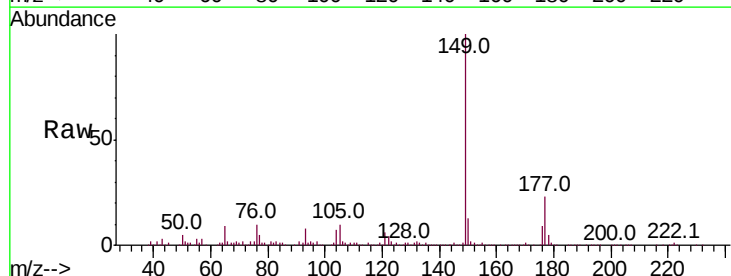
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

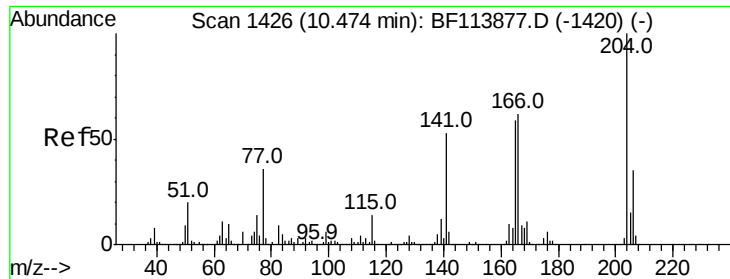
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 42.3  | 30.2  | 45.2  |
| 130     | 4.2   | 1.5   | 2.3   |
| 166     | 27.4  | 22.2  | 33.4  |



#60  
 Diethylphthalate  
 Concen: 17.527 ng  
 RT: 10.34 min Scan# 1403  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.9  | 19.2  | 28.8  |
| 150     | 12.9  | 10.3  | 15.5  |

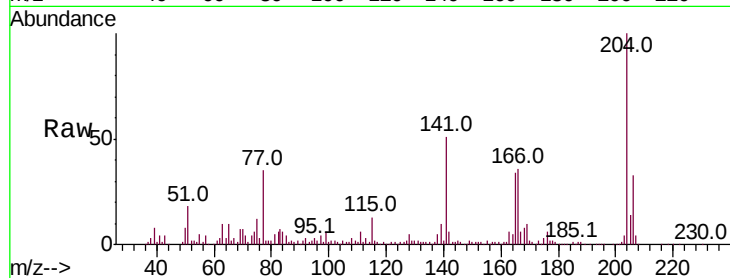




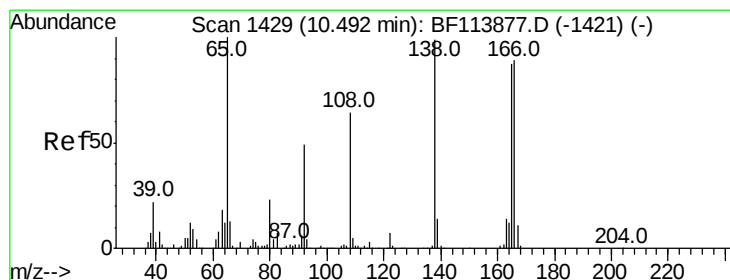
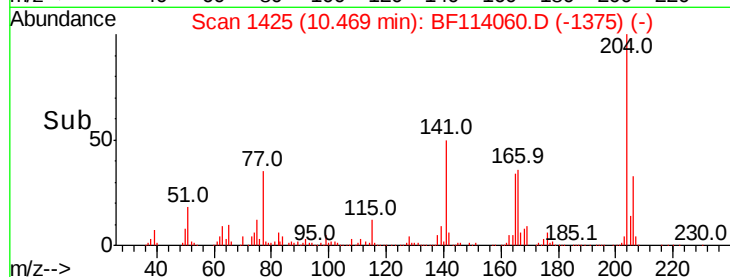
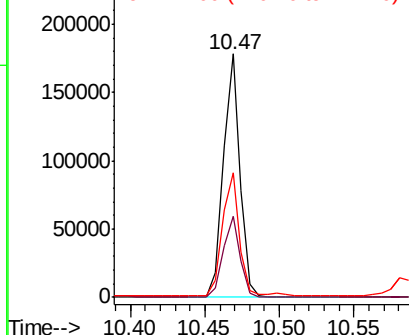
#61  
4-Chlorophenyl-phenylether  
Concen: 17.902 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:204 Resp: 141150  
Ion Ratio Lower Upper  
204 100  
206 33.4 27.4 41.2  
141 51.0 42.6 63.8

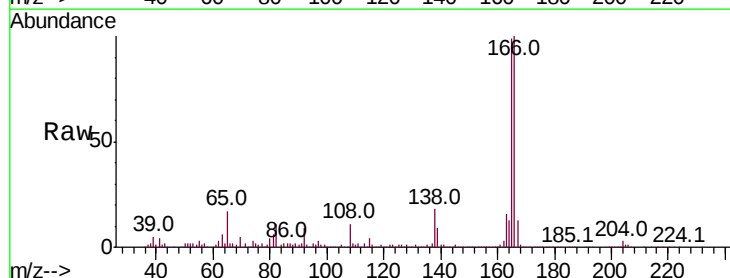


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

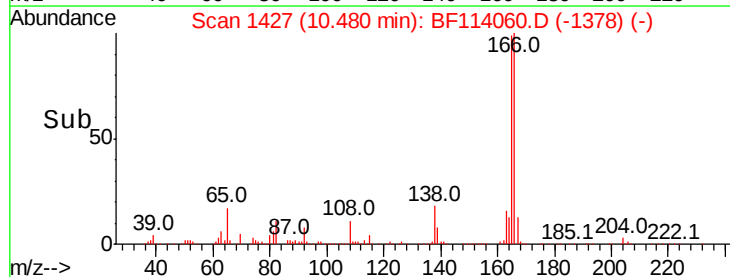
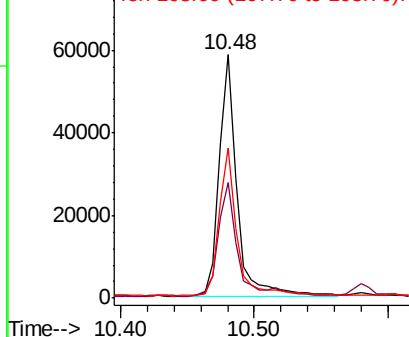


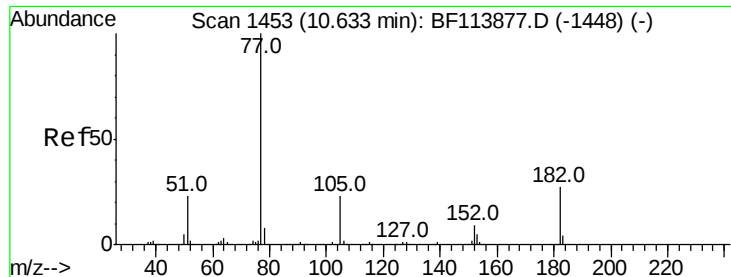
#62  
4-Nitroaniline  
Concen: 15.175 ng  
RT: 10.48 min Scan# 1427  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:138 Resp: 55455  
Ion Ratio Lower Upper  
138 100  
92 47.4 31.3 71.3  
108 61.7 48.9 88.9



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: 15.795 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

Tot Ion: 77 Resp: 241467

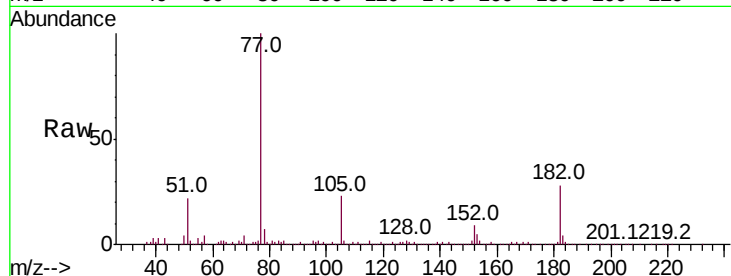
Ion Ratio Lower Upper

77 100

182 27.7 4.4 44.4

105 22.6 2.2 42.2

51 21.9 3.9 43.9

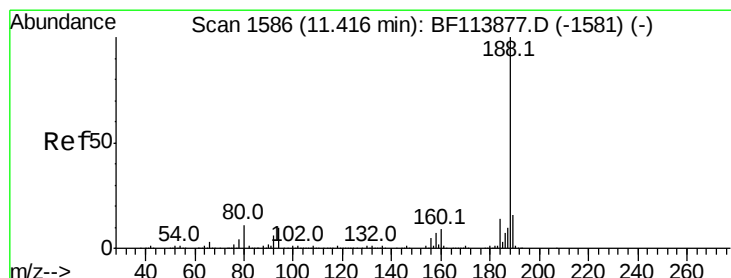
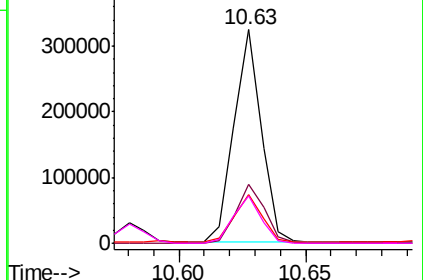
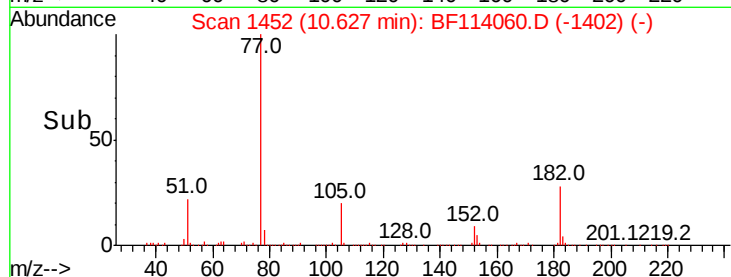


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

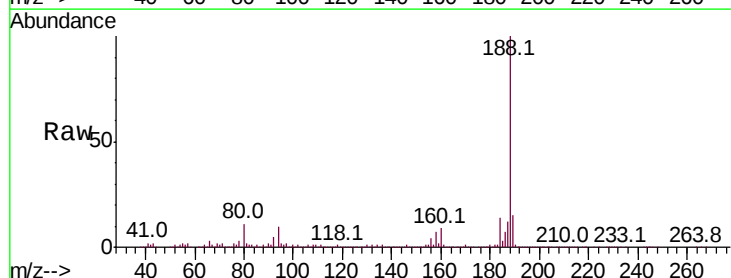
Tgt Ion: 188 Resp: 408771

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.4

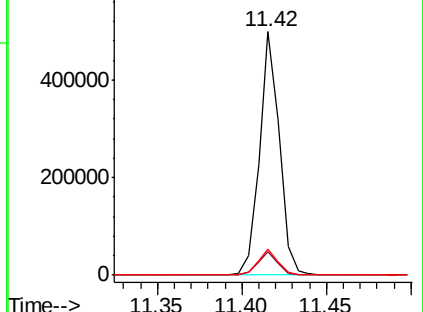
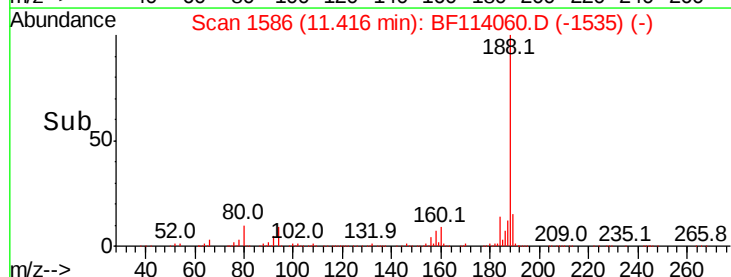
80 10.6 9.0 13.6

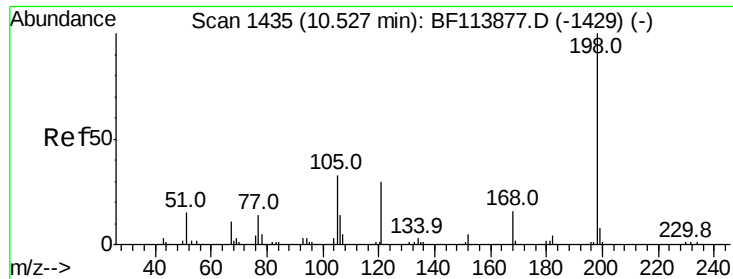


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 10.938 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

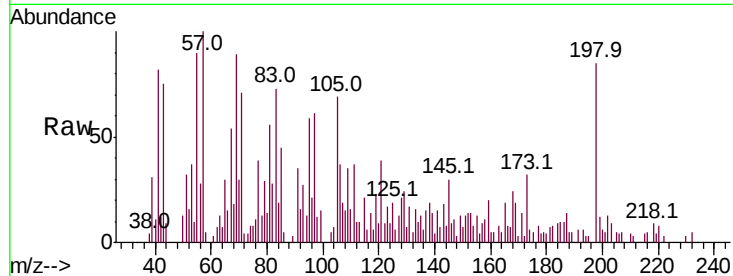
Tot Ion:198 Resp: 8022

Ion Ratio Lower Upper

198 100

51 38.1 11.1 51.1

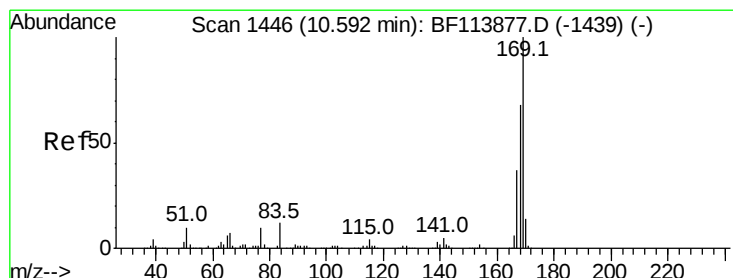
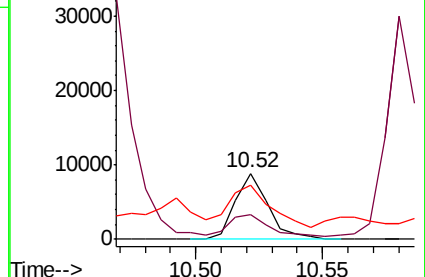
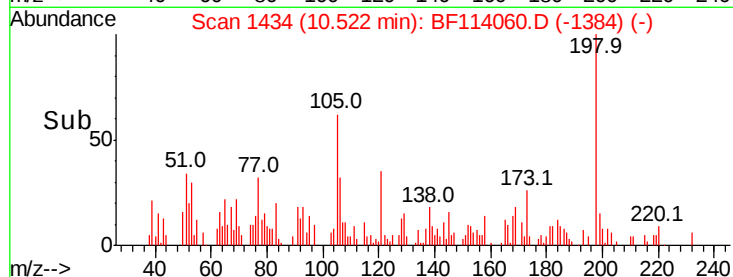
105 81.0 20.7 60.7#



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: 18.795 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

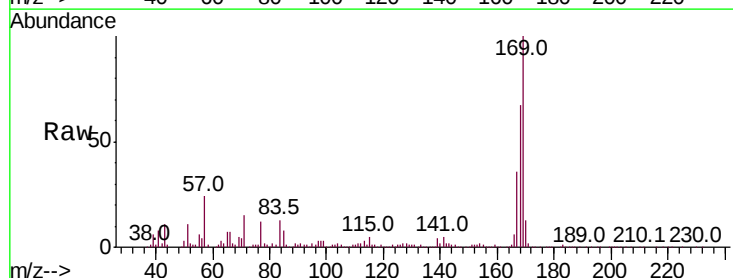
Tgt Ion:169 Resp: 230523

Ion Ratio Lower Upper

169 100

168 66.6 54.3 81.5

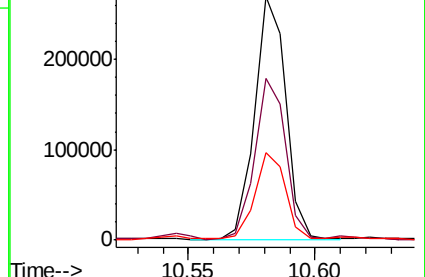
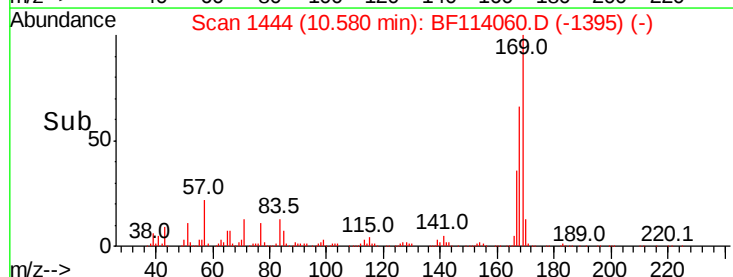
167 35.9 29.4 44.0

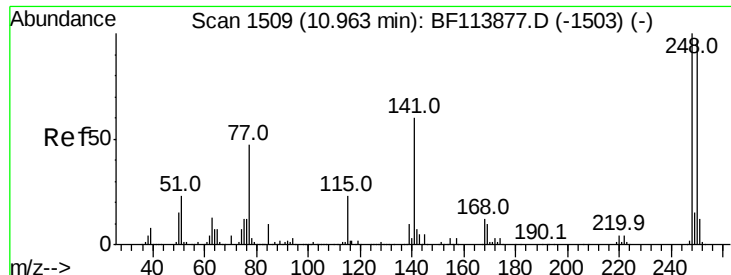


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

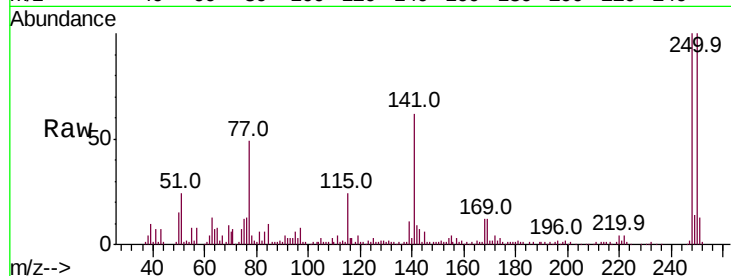




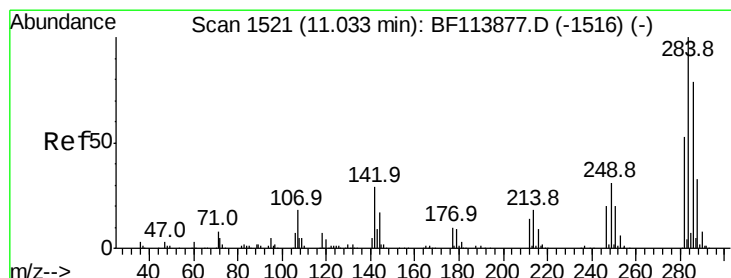
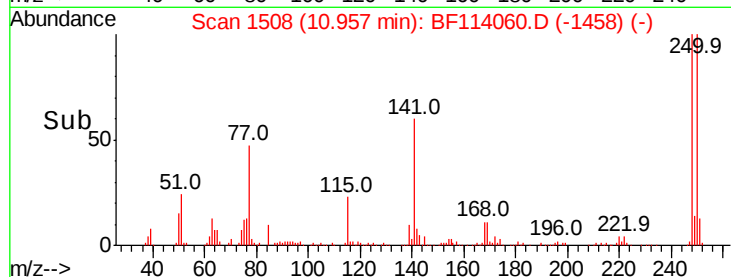
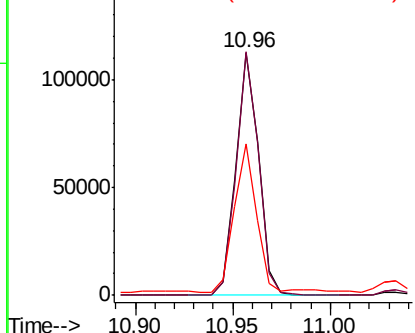
#67  
 4-Bromophenyl-phenylether  
 Concen: 18.358 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

Tot Ion:248 Resp: 90656  
 Ion Ratio Lower Upper  
 248 100  
 250 100.4 75.8 113.6  
 141 62.2 50.2 75.4

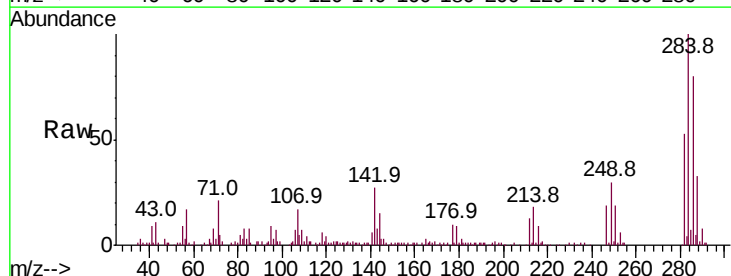


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

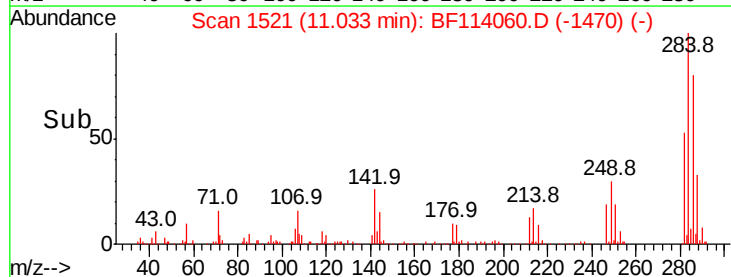
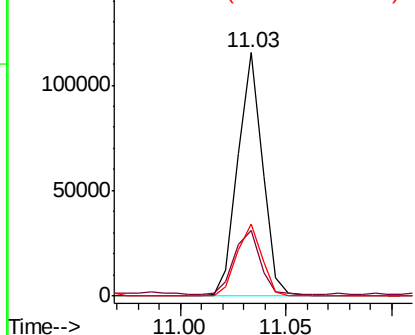


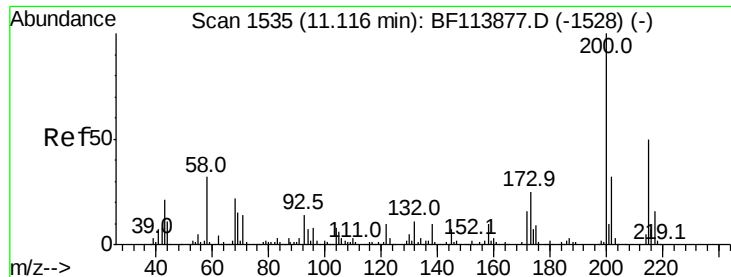
#68  
 Hexachlorobenzene  
 Concen: 17.140 ng  
 RT: 11.03 min Scan# 1521  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Tgt Ion:284 Resp: 93008  
 Ion Ratio Lower Upper  
 284 100  
 142 26.8 23.0 34.4  
 249 29.7 24.4 36.6



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: 20.277 ng

RT: 11.10 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

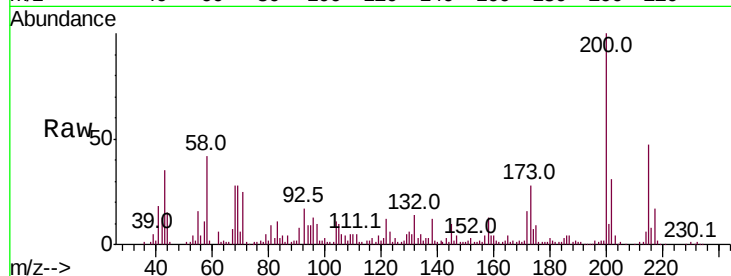
Tot Ion:200 Resp: 80905

Ion Ratio Lower Upper

200 100

173 27.6 5.9 45.9

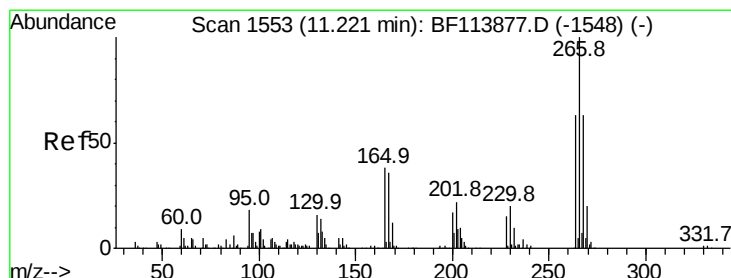
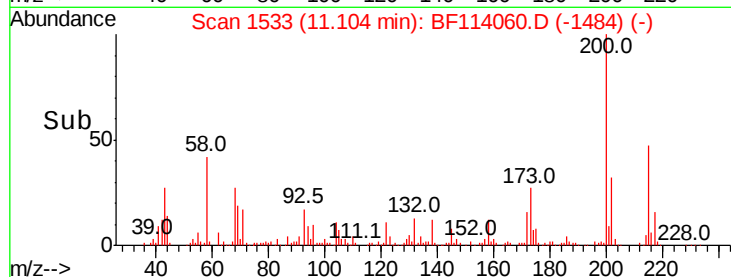
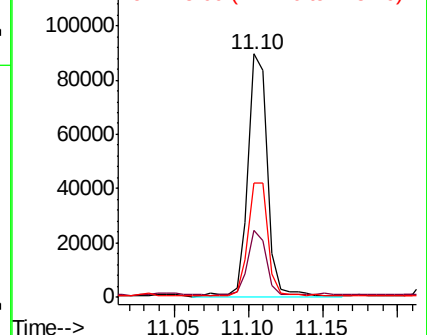
215 47.2 29.3 69.3



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: 27.855 ng

RT: 11.23 min Scan# 1554

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

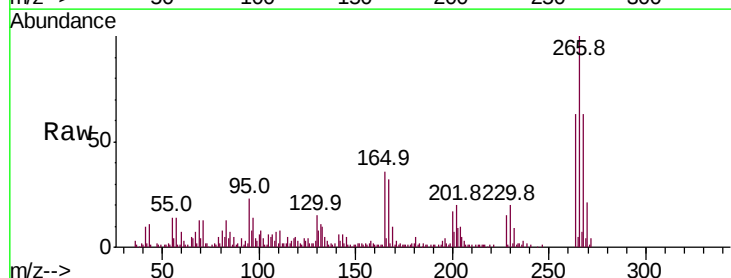
Tgt Ion:266 Resp: 85582

Ion Ratio Lower Upper

266 100

268 62.8 53.5 80.3

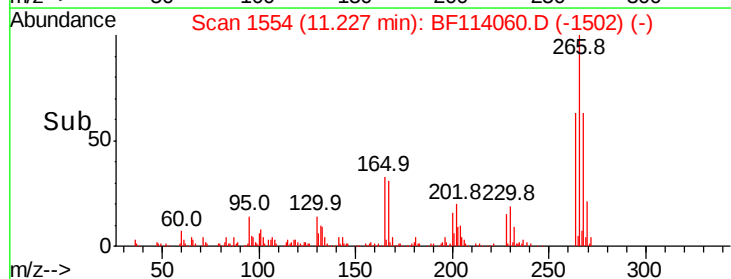
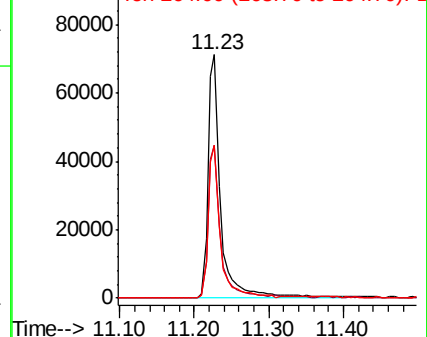
264 62.7 51.0 76.6

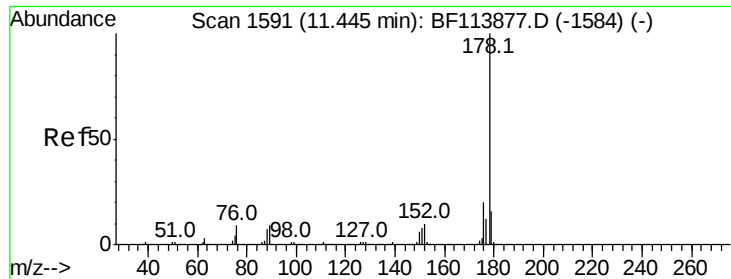


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 21.574 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

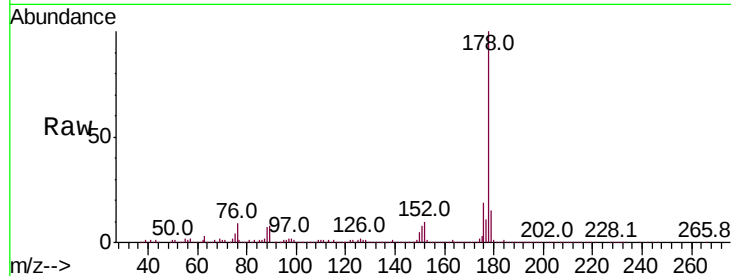
Tot Ion:178 Resp: 443202

Ion Ratio Lower Upper

178 100

176 19.2 16.1 24.1

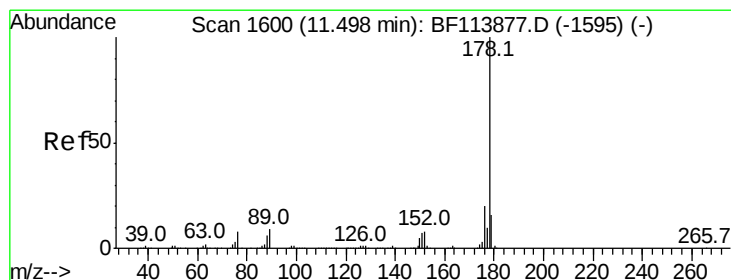
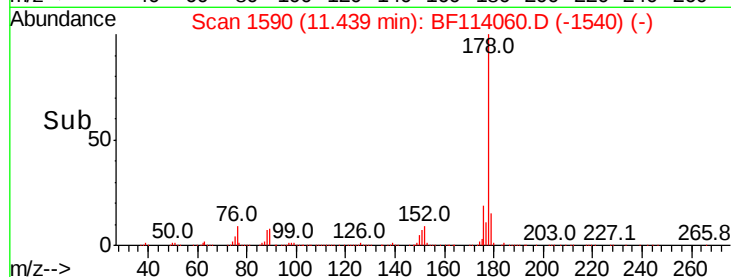
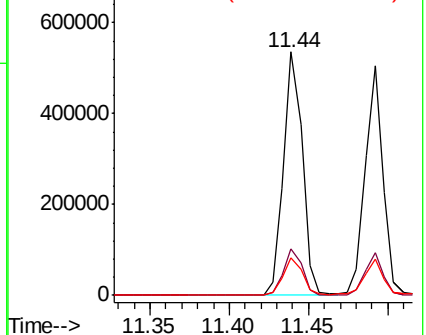
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 19.403 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

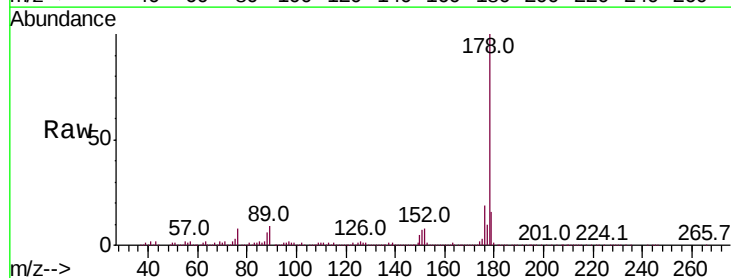
Tgt Ion:178 Resp: 402521

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

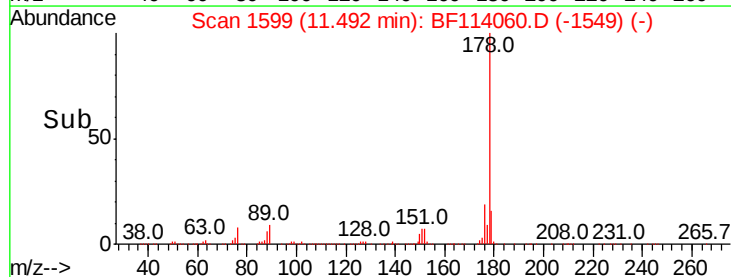
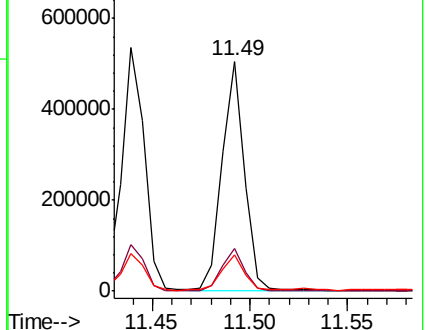
179 15.8 13.0 19.4

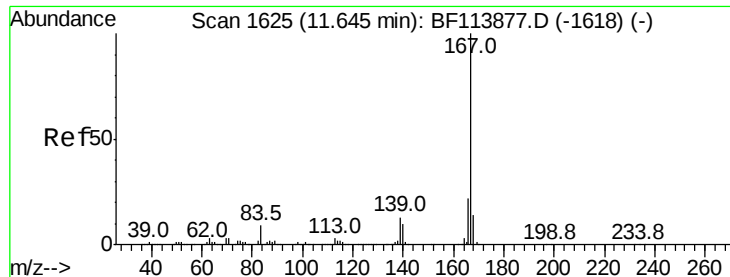


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

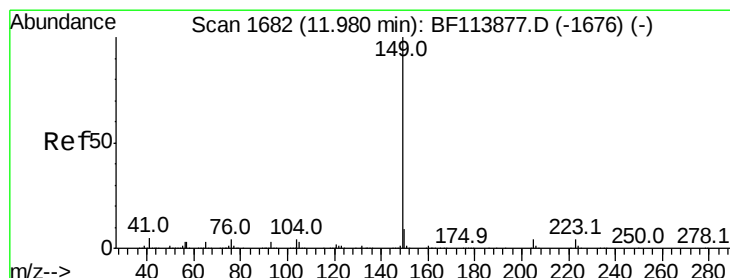
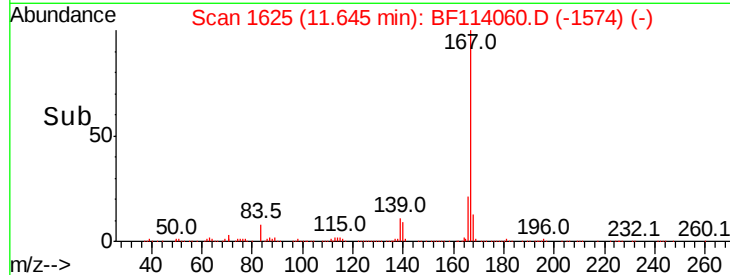
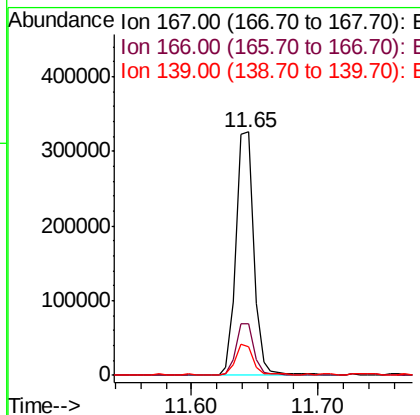
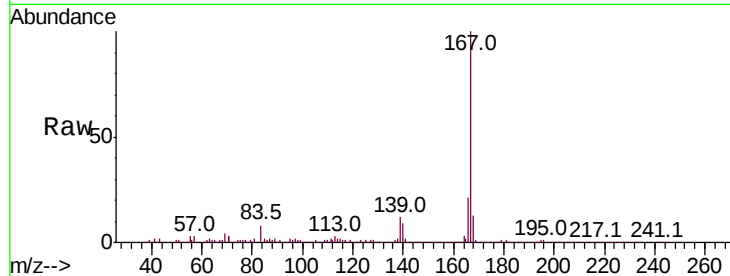




#73  
 Carbazole  
 Concen: 16.822 ng  
 RT: 11.65 min Scan# 1625  
 Delta R.T. 0.00 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

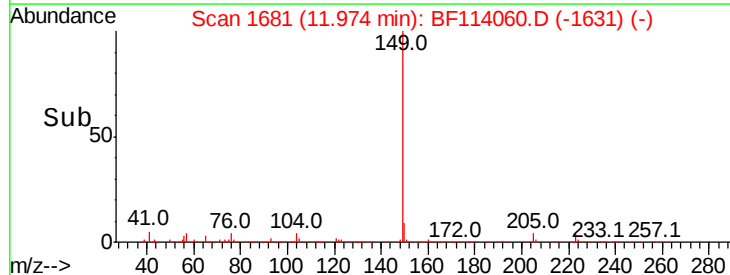
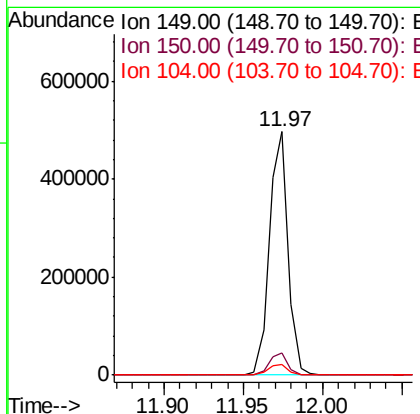
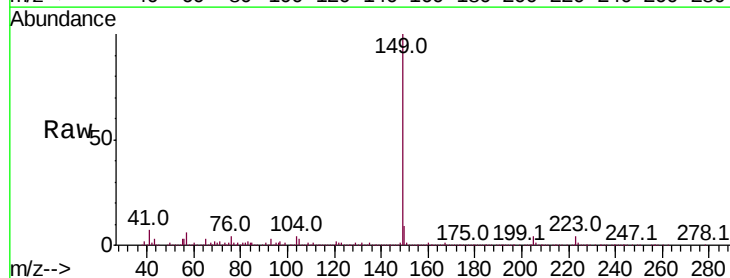
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-042919-AMSD

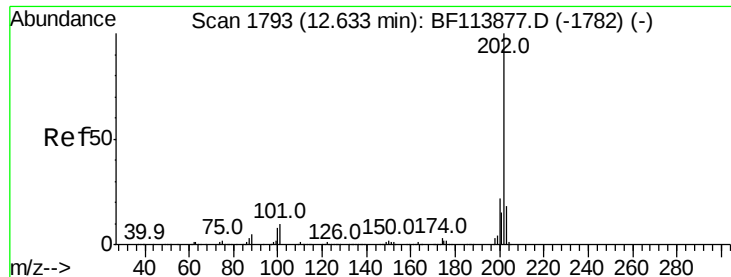
Tot Ion:167 Resp: 311341  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.7 26.5  
 139 11.8 10.0 15.0



#74  
 Di-n-butylphthalate  
 Concen: 18.719 ng  
 RT: 11.97 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BF114060.D  
 Acq: 1 May 2019 11:17

Tgt Ion:149 Resp: 407536  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.8 11.8  
 104 4.2 3.8 5.8





#75

Fluoranthene

Concen: 23.975 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

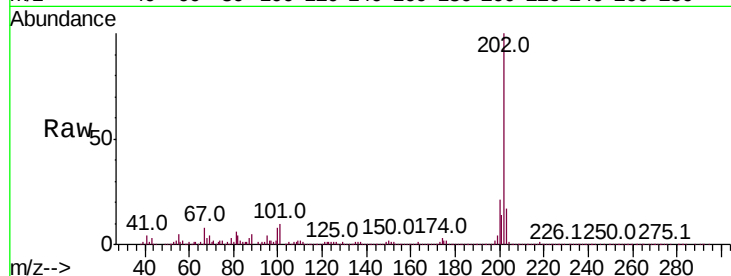
Tot Ion:202 Resp: 537353

Ion Ratio Lower Upper

202 100

101 10.2 0.0 32.9

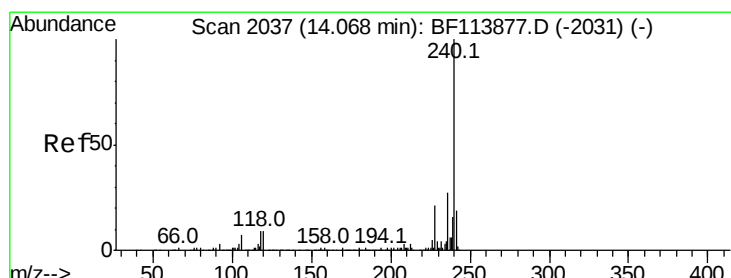
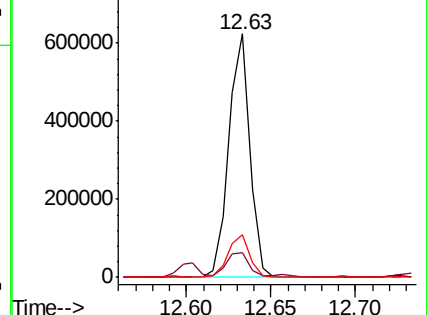
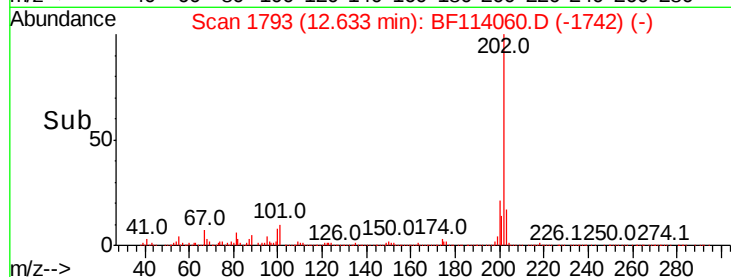
203 17.4 0.0 38.2



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: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

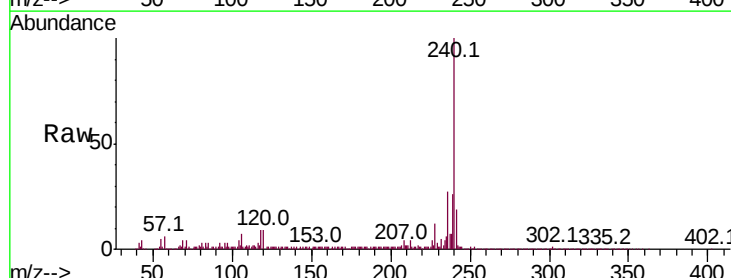
Tgt Ion:240 Resp: 339199

Ion Ratio Lower Upper

240 100

120 8.9 9.3 13.9#

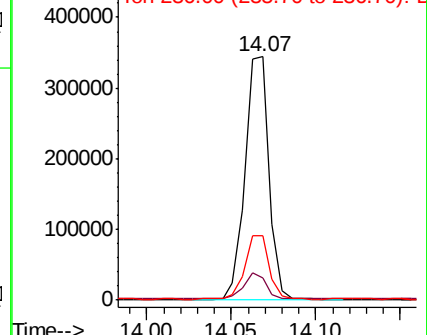
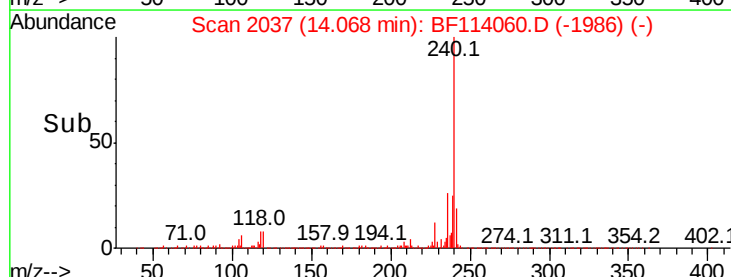
236 26.6 21.2 31.8

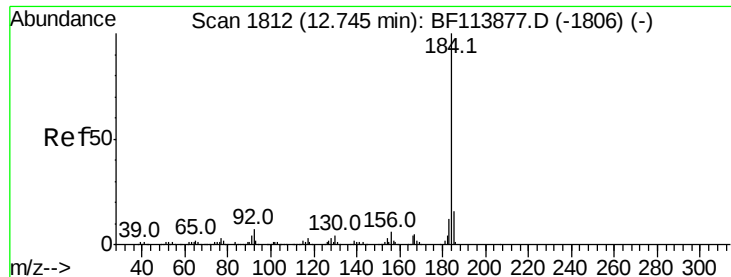


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.472 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

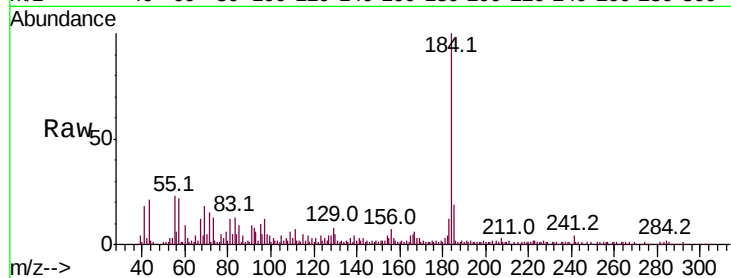
Tot Ion:184 Resp: 75516

Ion Ratio Lower Upper

184 100

185 18.8 13.0 19.6

183 12.4 9.4 14.0

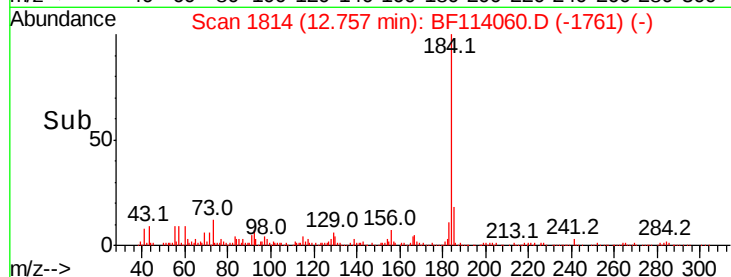


Abundance Ion 184.00 (183.70 to 184.70): E

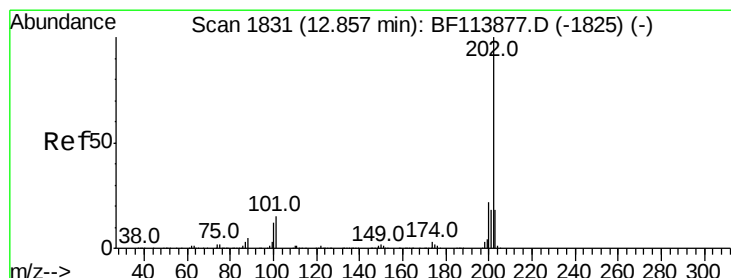
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.76



Time-->



#78

Pyrene

Concen: 22.103 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

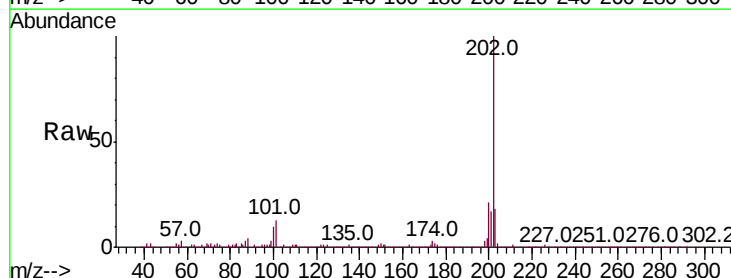
Tgt Ion:202 Resp: 524301

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.7 15.0 22.6

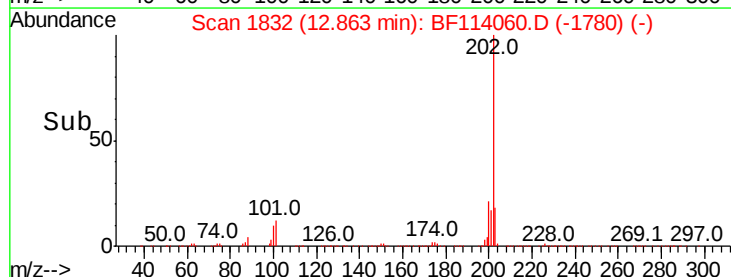


Abundance Ion 202.00 (201.70 to 202.70): E

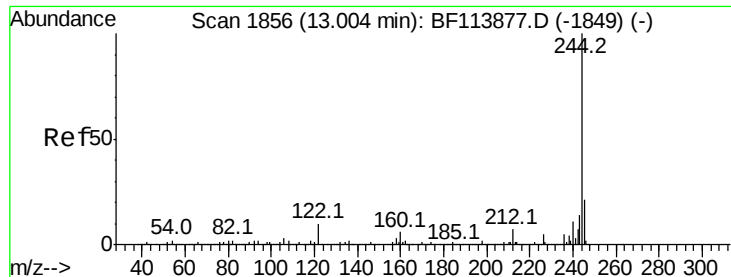
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.86



Time-->



#79

Terphenyl-d14

Concen: 32.855 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

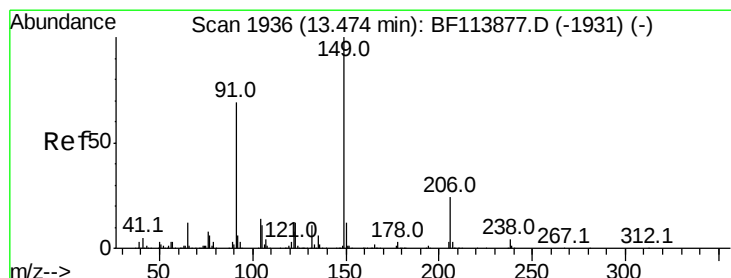
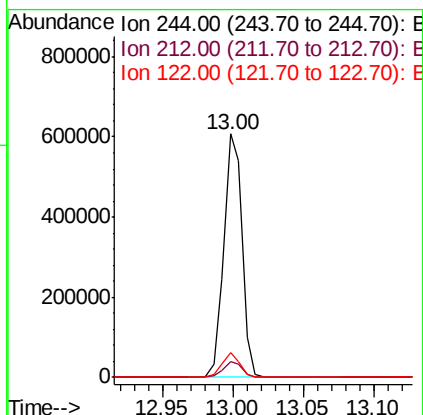
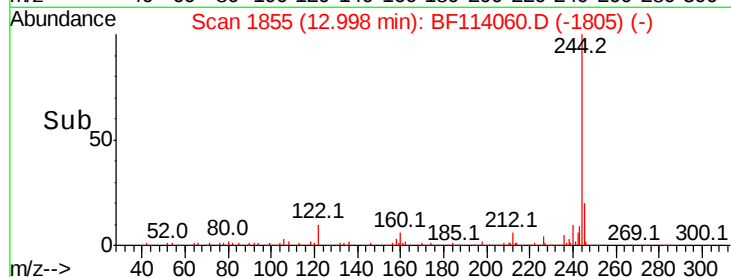
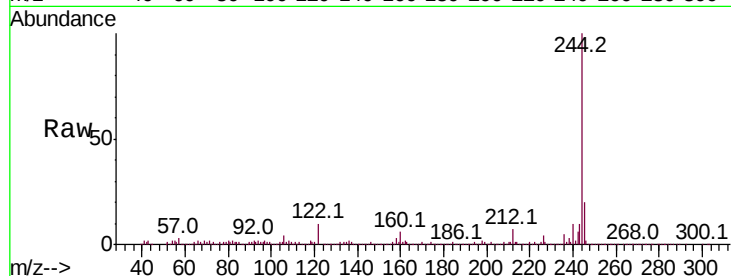
Tot Ion:244 Resp: 543594

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.4 7.6 11.4



#80

Butylbenzylphthalate

Concen: 17.470 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

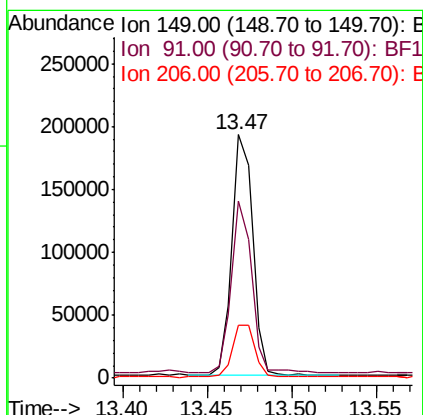
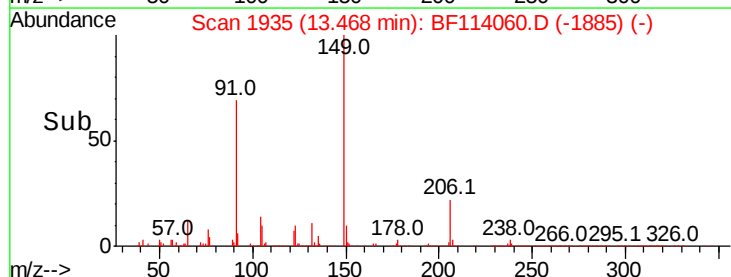
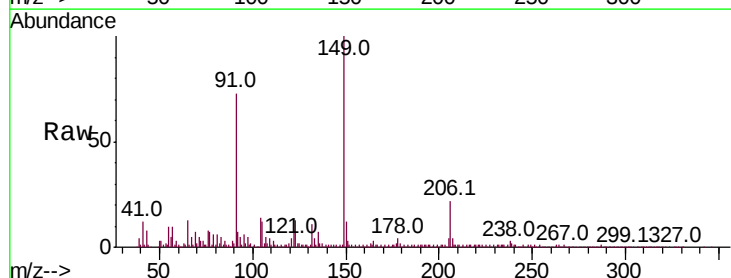
Tgt Ion:149 Resp: 163044

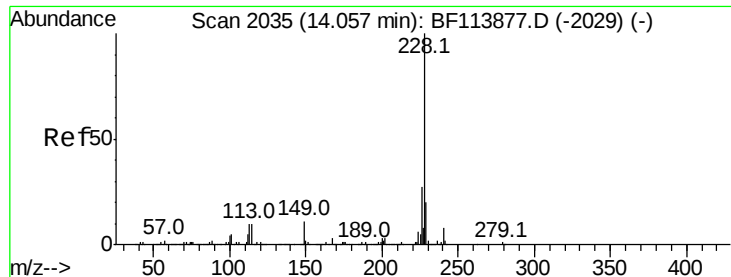
Ion Ratio Lower Upper

149 100

91 72.9 56.3 84.5

206 22.0 19.0 28.6





#81

Benzo(a)anthracene

Concen: 23.375 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

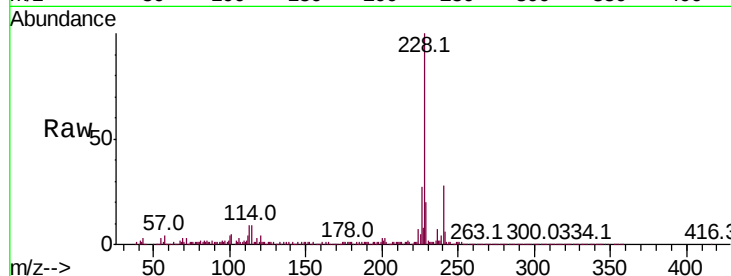
Tot Ion:228 Resp: 467144

Ion Ratio Lower Upper

228 100

226 26.7 22.2 33.2

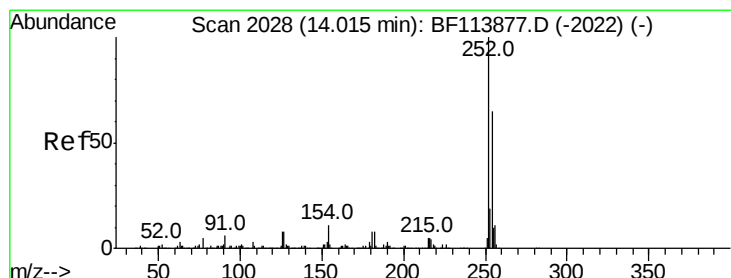
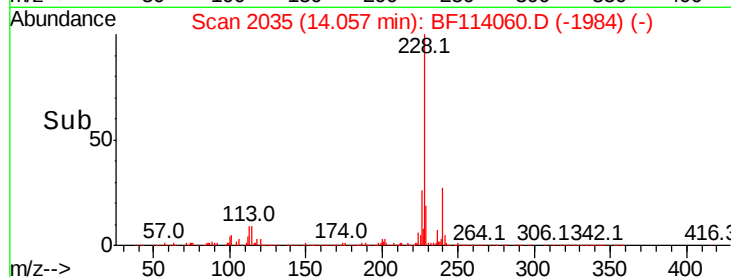
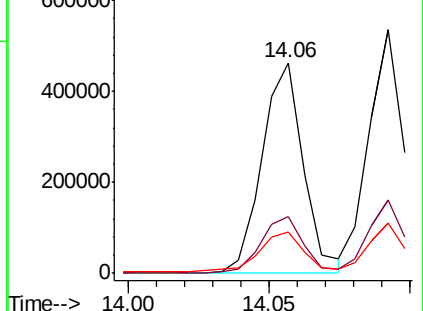
229 19.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 11.945 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

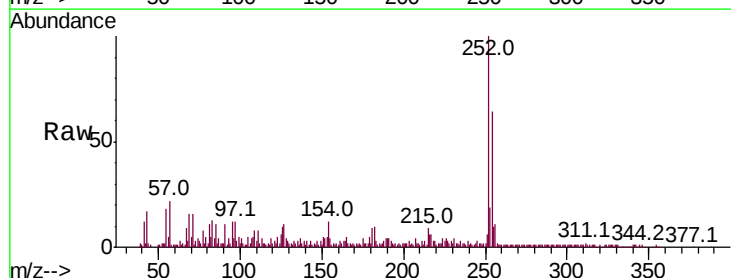
Tgt Ion:252 Resp: 87496

Ion Ratio Lower Upper

252 100

254 63.8 52.1 78.1

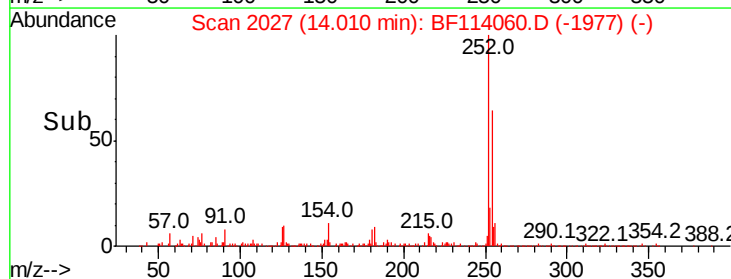
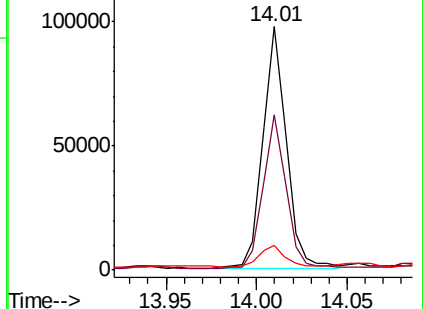
126 10.2 9.3 13.9

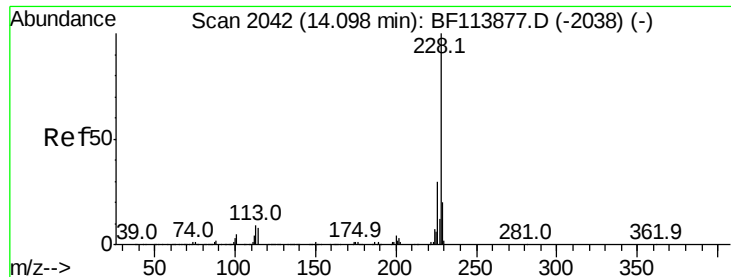


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 23.264 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

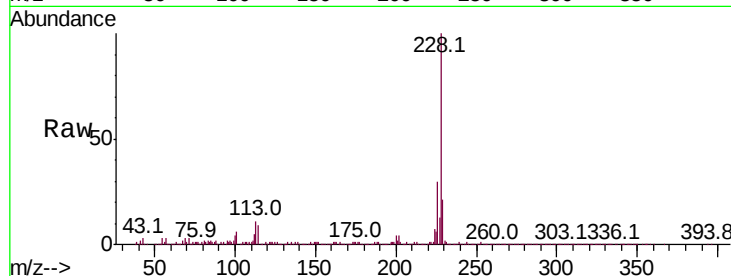
Tot Ion:228 Resp: 452800

Ion Ratio Lower Upper

228 100

226 30.0 25.2 37.8

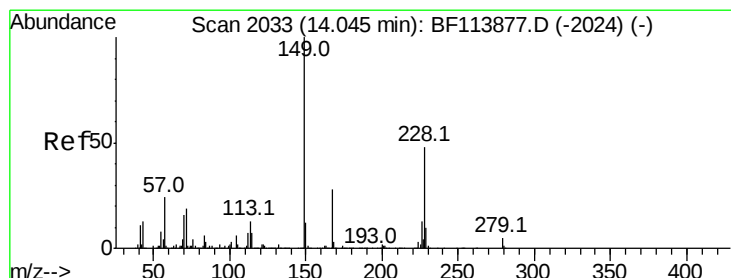
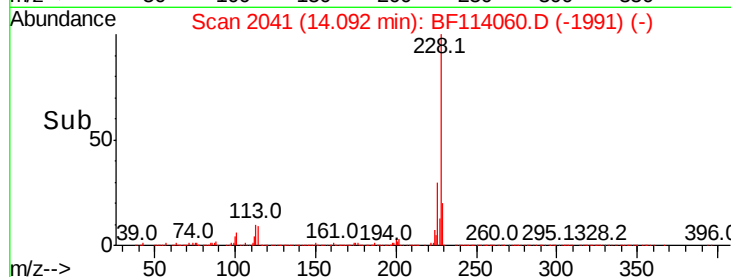
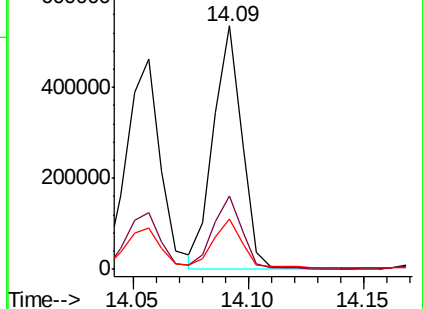
229 20.6 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.280 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

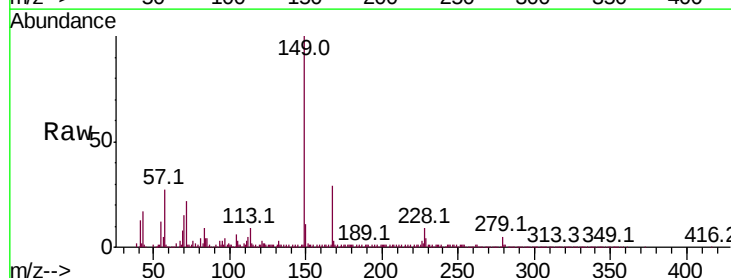
Tgt Ion:149 Resp: 252680

Ion Ratio Lower Upper

149 100

167 29.2 22.9 34.3

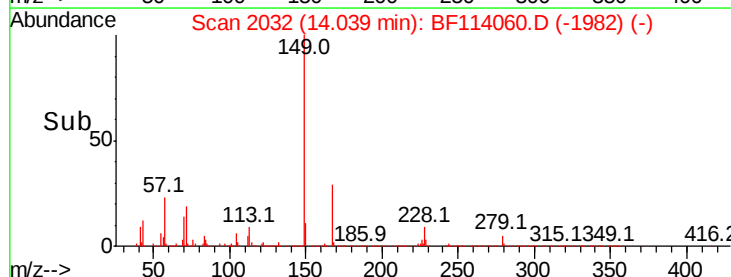
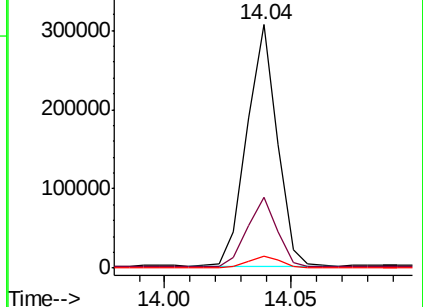
279 5.0 4.2 6.2

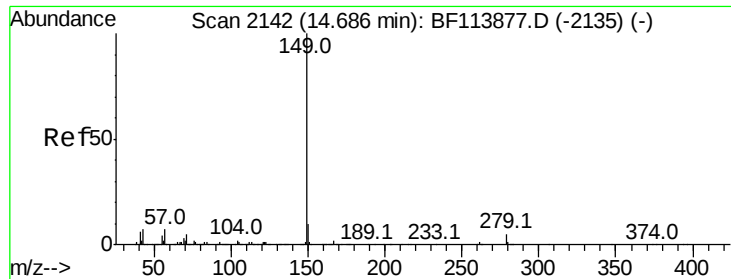


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 23.766 ng

RT: 14.67 min Scan# 2139

Delta R.T. -0.02 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

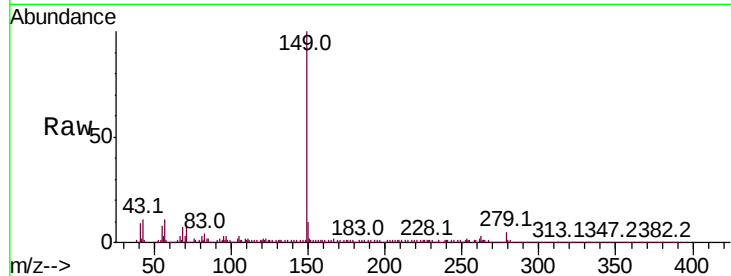
Tot Ion:149 Resp: 441710

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

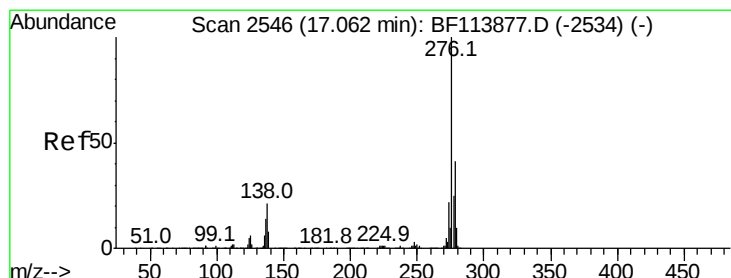
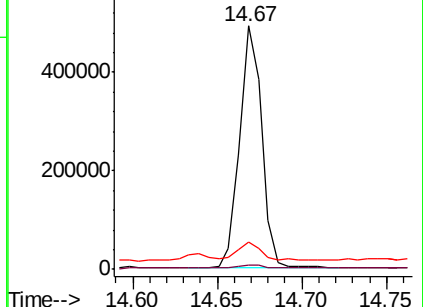
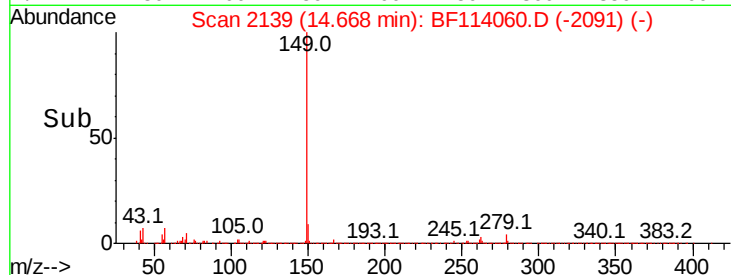
43 8.7 6.6 10.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 18.374 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

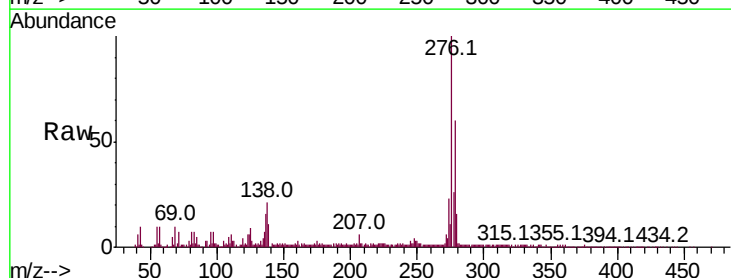
Tgt Ion:276 Resp: 338750

Ion Ratio Lower Upper

276 100

138 21.5 19.6 29.4

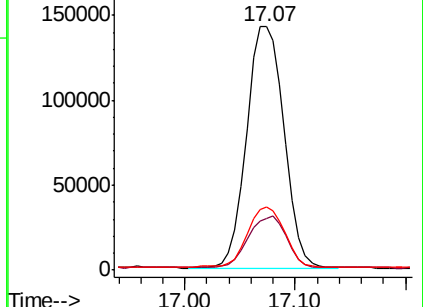
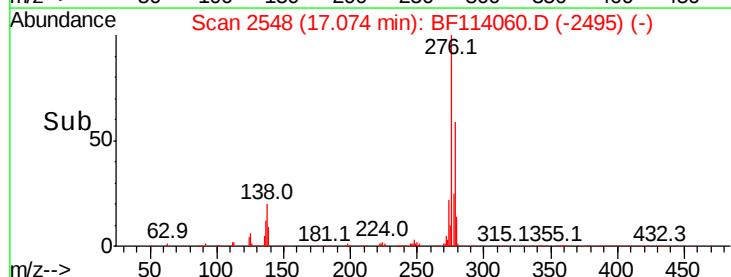
277 25.0 20.2 30.4

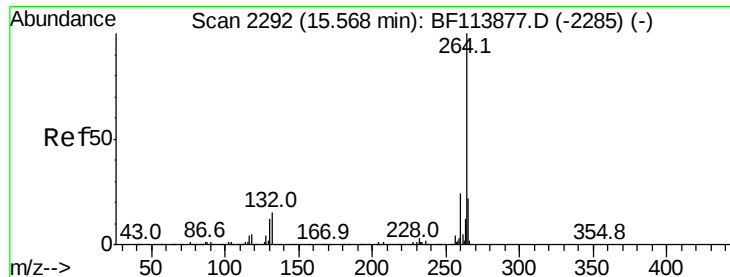


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



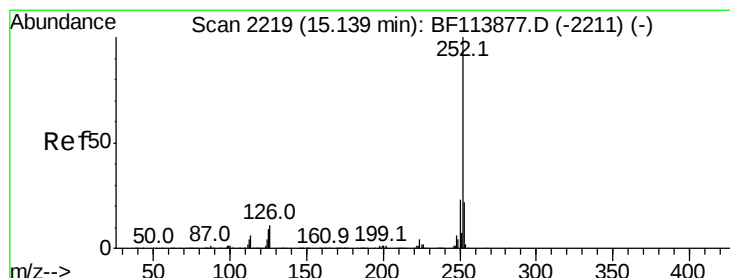
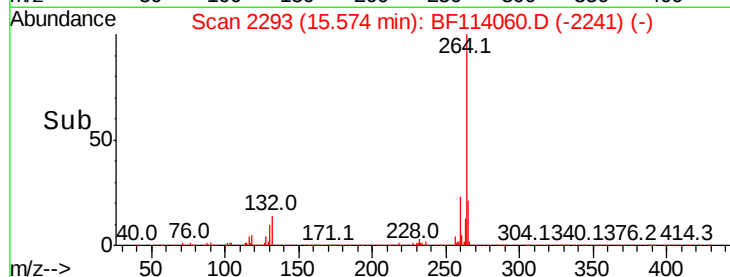
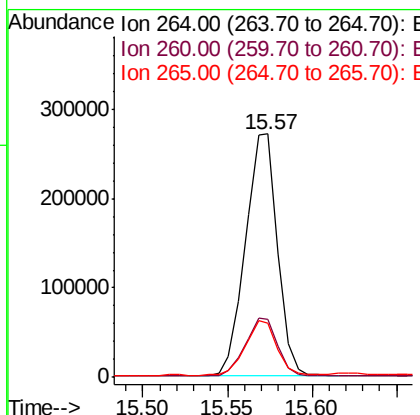
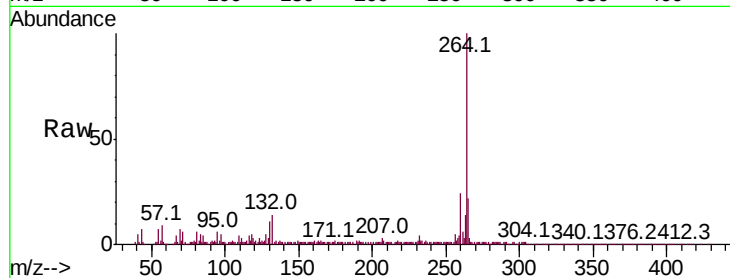


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.57 min Scan# 2293  
Delta R.T. 0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

Tot Ion:264 Resp: 358407  

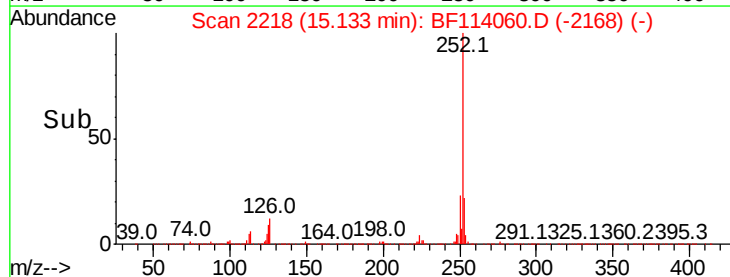
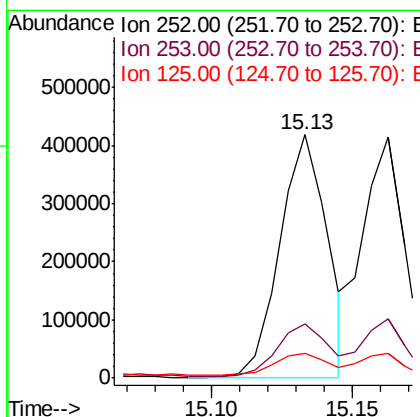
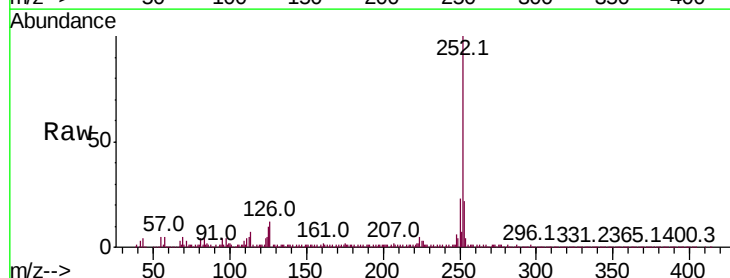
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.9  | 28.3  |
| 265 | 22.0  | 17.3  | 25.9  |

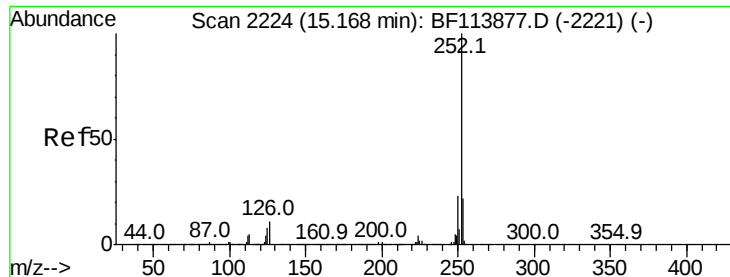


#88  
Benzo(b)fluoranthene  
Concen: 21.345 ng  
RT: 15.13 min Scan# 2218  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

Tgt Ion:252 Resp: 484029  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.4  | 17.8  | 26.6  |
| 125 | 10.2  | 7.0   | 10.6  |

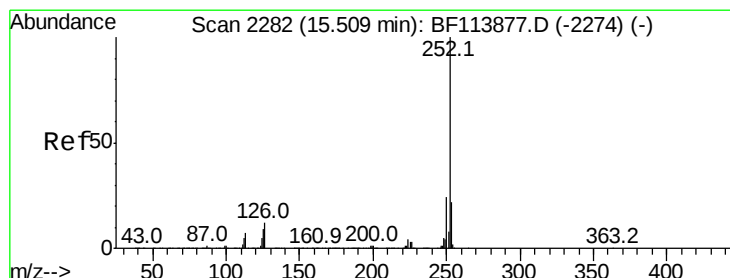
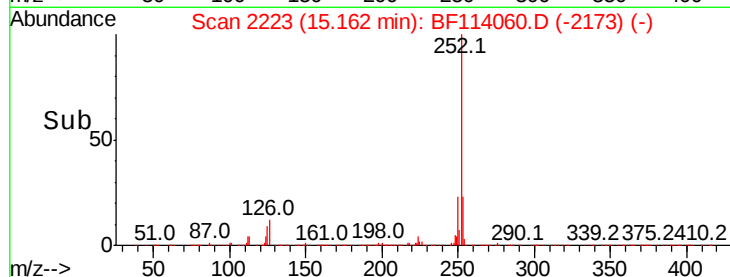
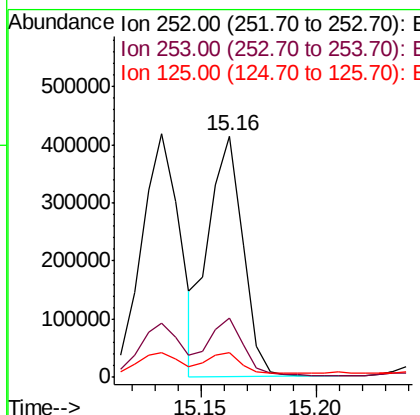
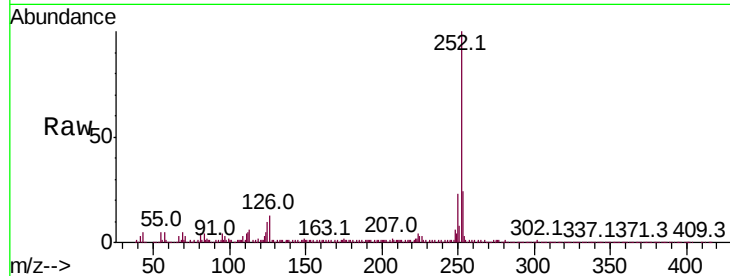




#89  
Benzo(k)fluoranthene  
Concen: 21.812 ng  
RT: 15.16 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

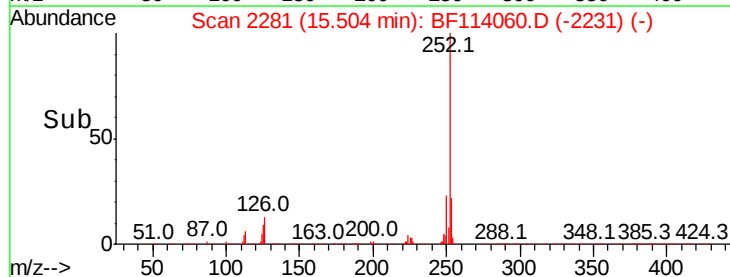
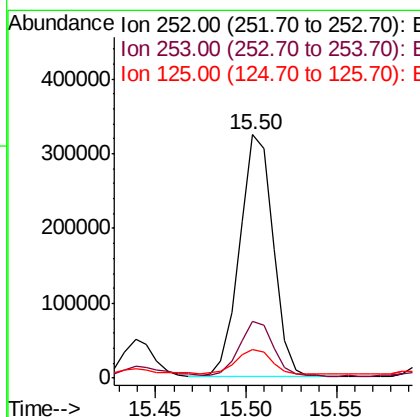
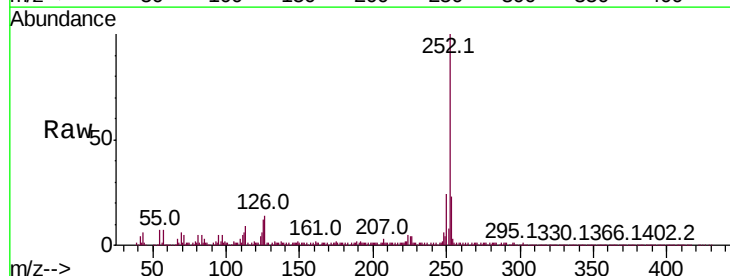
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-042919-AMSD

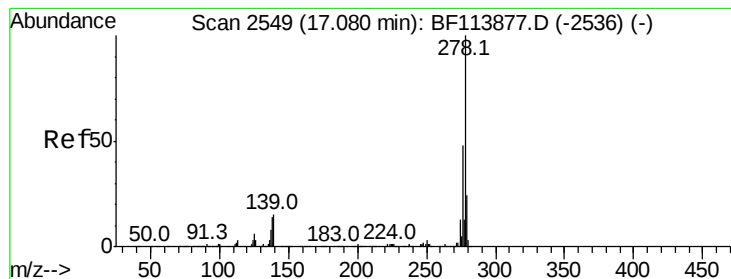
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 18.2  | 27.2  |
| 125     | 10.3  | 7.4   | 11.2  |



#90  
Benzo(a)pyrene  
Concen: 21.222 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. -0.01 min  
Lab File: BF114060.D  
Acq: 1 May 2019 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.5  | 26.3  |
| 125     | 11.7  | 8.5   | 12.7  |





#91

Dibenzo(a,h)anthracene

Concen: 14.340 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

Instrument :

BNA\_F

ClientSampleId :

JC-03-042919-AMSD

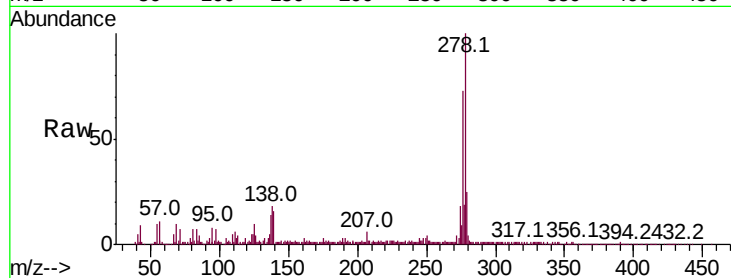
Tot Ion:278 Resp: 264017

Ion Ratio Lower Upper

278 100

139 16.4 11.6 17.4

279 25.0 19.0 28.6

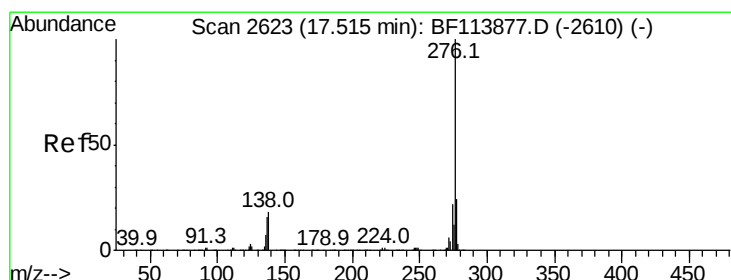
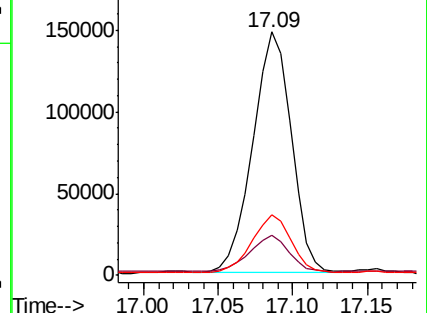
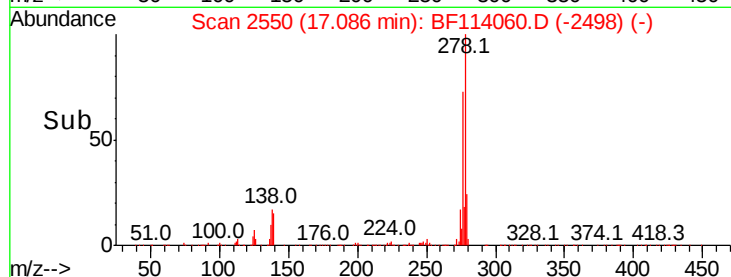


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

17.09



#92

Benzo(g,h,i)perylene

Concen: 14.860 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF114060.D

Acq: 1 May 2019 11:17

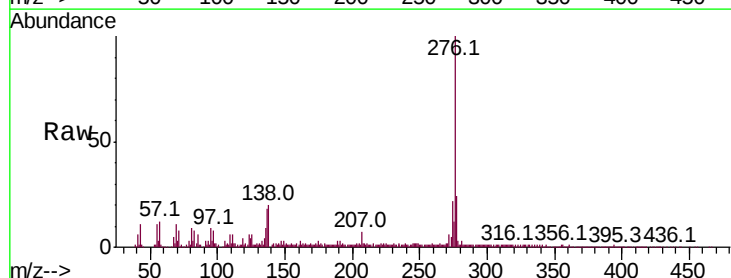
Tgt Ion:276 Resp: 276106

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 19.7 16.6 25.0



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

17.53

