

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052419\  
 Data File : BF114569.D  
 Acq On : 24 May 2019 14:49  
 Operator : JU/SJ  
 Sample : K2838-04MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEBH-05(33-33.5)MSD

Quant Time: May 24 22:34:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 24 07:23:33 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 140323   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 546567   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 266444   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.34 | 188  | 547003   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.99 | 240  | 392042   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.45 | 264  | 407585   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 1076502 | 123.46 | ng | 0.00 |
| 7) Phenol-d6             | 6.46  | 99  | 1385866 | 134.38 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 841210  | 86.37  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 355357  | 129.01 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.17  | 172 | 1501508 | 85.24  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.92 | 244 | 1546205 | 81.30  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88  | 150849  | 31.474 | ng | 98     |
| 3) Pyridine                    | 3.32 | 79  | 393991  | 29.836 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.26 | 42  | 233655  | 36.692 | ng | 99     |
| 6) Aniline                     | 6.48 | 93  | 367857  | 24.693 | ng | # 20   |
| 8) 2-Chlorophenol              | 6.61 | 128 | 444037  | 47.701 | ng | 91     |
| 9) Benzaldehyde                | 6.37 | 77  | 302466  | 41.893 | ng | 98     |
| 10) Phenol                     | 6.48 | 94  | 540083  | 44.517 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 417756  | 45.357 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146 | 447254  | 42.803 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 457839  | 43.482 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 432728  | 44.983 | ng | 99     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 362427  | 45.058 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 757039  | 42.391 | ng | 64     |
| 17) 2-Methylphenol             | 7.08 | 107 | 343457  | 44.915 | ng | # 90   |
| 18) Hexachloroethane           | 7.32 | 117 | 165030  | 41.755 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70  | 298678  | 45.691 | ng | 100    |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 452823  | 51.254 | ng | # 68   |
| 22) Acetophenone               | 7.22 | 105 | 590751  | 48.789 | ng | # 89   |
| 24) Nitrobenzene               | 7.40 | 77  | 460960  | 46.470 | ng | 97     |
| 25) Isophorone                 | 7.63 | 82  | 837947  | 46.392 | ng | 99     |
| 26) 2-Nitrophenol              | 7.72 | 139 | 239579  | 49.782 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122 | 370954  | 49.077 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93  | 536910  | 45.813 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 370490  | 49.225 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.04 | 180 | 387277  | 45.250 | ng | 99     |
| 31) Naphthalene                | 8.12 | 128 | 1234442 | 48.351 | ng | 98     |
| 32) Benzoic acid               | 7.87 | 122 | 52190   | 15.288 | ng | 99     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 212472  | 18.263 | ng | 99     |
| 34) Hexachlorobutadiene        | 8.23 | 225 | 210904  | 43.309 | ng | 99     |
| 35) Caprolactam                | 8.54 | 113 | 75061   | 30.585 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.67 | 107 | 393678  | 51.963 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.81 | 142 | 840792  | 51.042 | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.91 | 142 | 792636  | 51.097 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 382569  | 47.400 | ng | 99     |

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 QLast Update : Fri May 24 07:23:33 2019  
 Response via : Initial Calibration

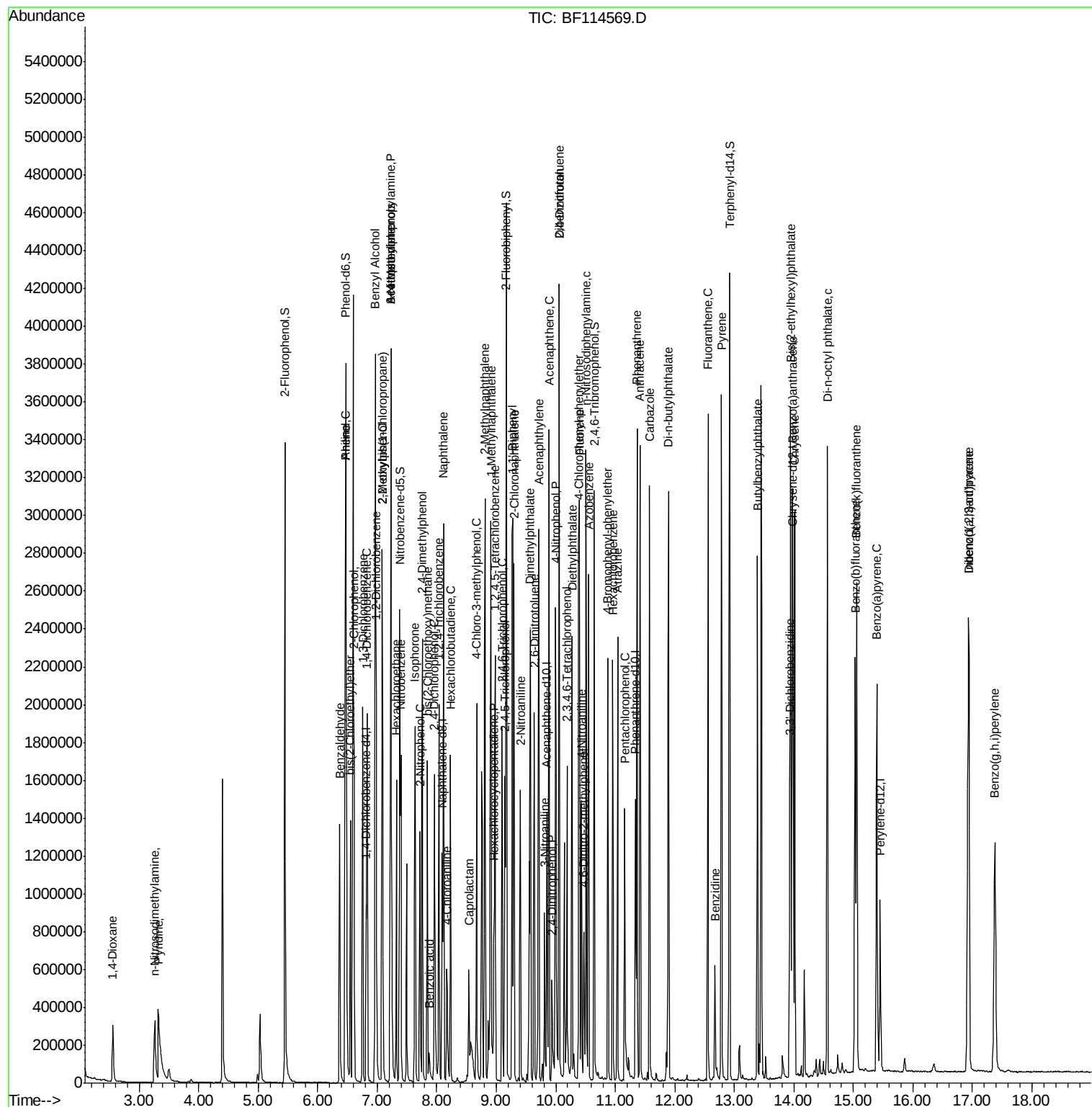
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.96  | 237  | 116201   | 33.557 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 9.10  | 196  | 248466   | 44.756 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.15  | 196  | 262343   | 46.079 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.27  | 154  | 1032830  | 47.983 | ng    | 97       |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 785298   | 45.332 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.40  | 65   | 271960   | 44.267 | ng    | 91       |
| 49) Acenaphthylene             | 9.72  | 152  | 1263264  | 47.946 | ng    | 99       |
| 50) Dimethylphthalate          | 9.57  | 163  | 1136490  | 58.104 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.65  | 165  | 209376   | 48.262 | ng #  | 85       |
| 52) Acenaphthene               | 9.89  | 154  | 739655   | 45.748 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.82  | 138  | 150089   | 27.870 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 9.94  | 184  | 104418   | 50.576 | ng    | 91       |
| 55) Dibenzofuran               | 10.06 | 168  | 1069593  | 45.115 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.00 | 139  | 246485   | 64.721 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 10.06 | 165  | 265332   | 45.061 | ng #  | 81       |
| 58) Fluorene                   | 10.40 | 166  | 894124   | 48.827 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.19 | 232  | 221312   | 45.051 | ng    | 98       |
| 60) Diethylphthalate           | 10.27 | 149  | 965639   | 48.589 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 424197   | 47.164 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.43 | 138  | 233862   | 41.326 | ng    | 97       |
| 63) Azobenzene                 | 10.55 | 77   | 896078   | 46.582 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 112159   | 42.672 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 808081   | 48.675 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.87 | 248  | 271125   | 45.017 | ng    | 98       |
| 68) Hexachlorobenzene          | 10.96 | 284  | 290932   | 43.665 | ng    | 96       |
| 69) Atrazine                   | 11.04 | 200  | 254646   | 49.289 | ng    | 97       |
| 70) Pentachlorophenol          | 11.16 | 266  | 208861   | 66.128 | ng    | 100      |
| 71) Phenanthrene               | 11.36 | 178  | 1301586  | 48.909 | ng    | 99       |
| 72) Anthracene                 | 11.42 | 178  | 1343501  | 50.262 | ng    | 99       |
| 73) Carbazole                  | 11.57 | 167  | 1281455  | 50.274 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.89 | 149  | 1524077  | 51.900 | ng    | 99       |
| 75) Fluoranthene               | 12.56 | 202  | 1436948  | 50.141 | ng    | 99       |
| 77) Benzidine                  | 12.67 | 184  | 284151   | 16.147 | ng    | 95       |
| 78) Pyrene                     | 12.79 | 202  | 1437742  | 45.588 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 669728   | 50.452 | ng    | 96       |
| 81) Benzo(a)anthracene         | 13.97 | 228  | 1185996  | 46.772 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.93 | 252  | 338412   | 34.403 | ng #  | 98       |
| 83) Chrysene                   | 14.02 | 228  | 1167564  | 46.971 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 921907   | 53.101 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 1519297  | 53.983 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.94 | 276  | 1269619  | 57.793 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.03 | 252  | 1245732  | 47.707 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 1035658  | 43.176 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.40 | 252  | 1111210  | 48.354 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 16.94 | 278  | 1070045  | 56.035 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.38 | 276  | 1114350  | 58.230 | ng    | 98       |

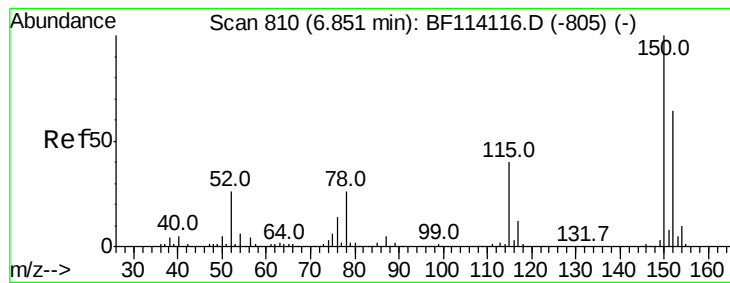
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 FEBH-05(33-33.5)MSD

Quant Time: May 24 22:34:53 2019  
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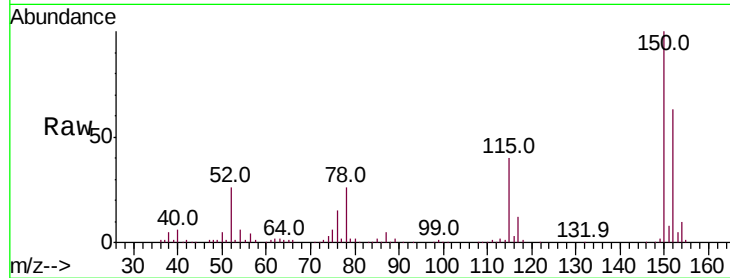


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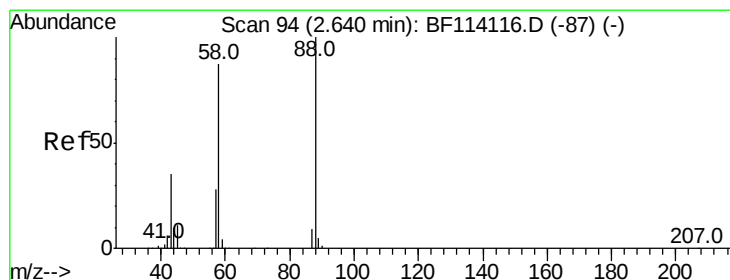
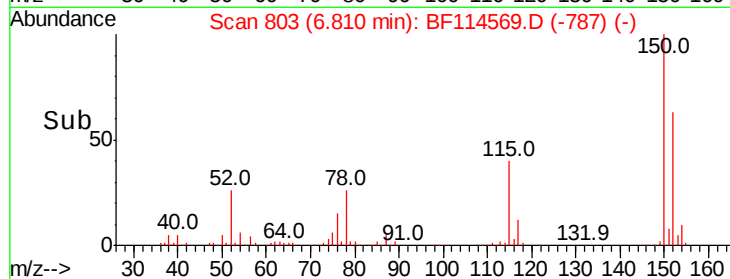
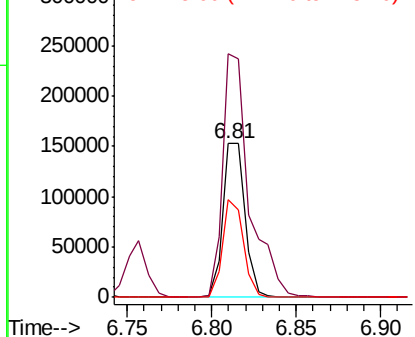
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:152 Resp: 140323  
Ion Ratio Lower Upper  
152 100  
150 158.2 124.3 186.5  
115 63.4 49.1 73.7



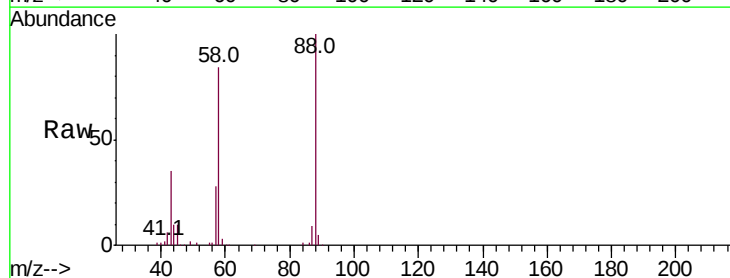
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



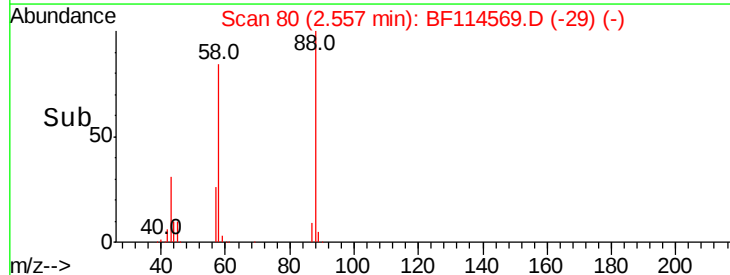
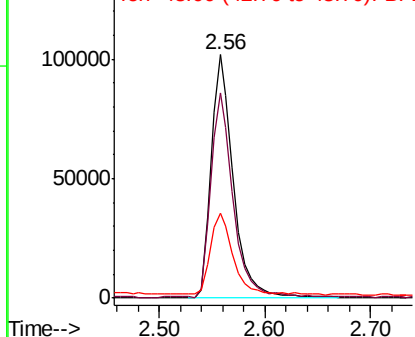
#2

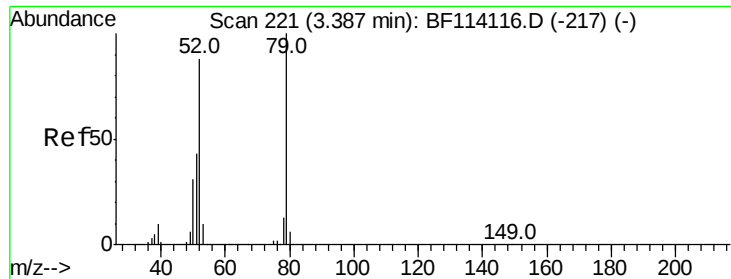
1,4-Dioxane  
Concen: 31.474 ng  
RT: 2.56 min Scan# 80  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion: 88 Resp: 150849  
Ion Ratio Lower Upper  
88 100  
58 84.6 68.7 103.1  
43 33.4 28.2 42.2



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





#3

Pvridine

Concen: 29.836 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.02 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

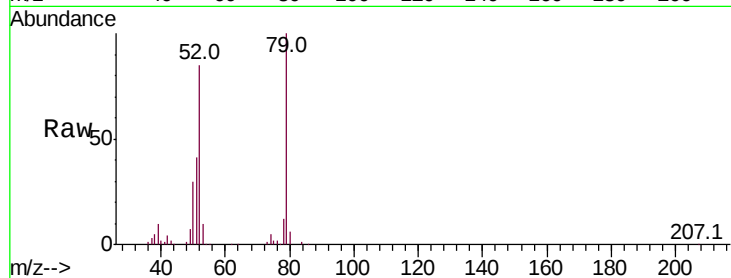
Tot Ion: 79 Resp: 393991

Ion Ratio Lower Upper

79 100

52 85.3 70.6 105.8

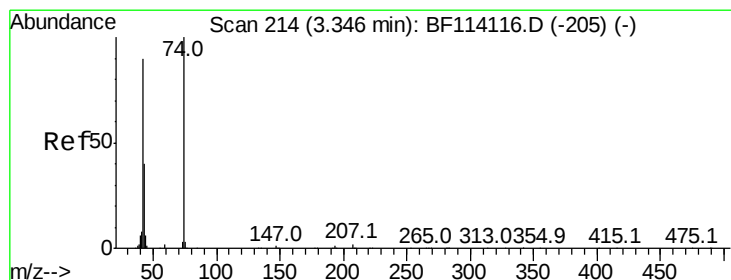
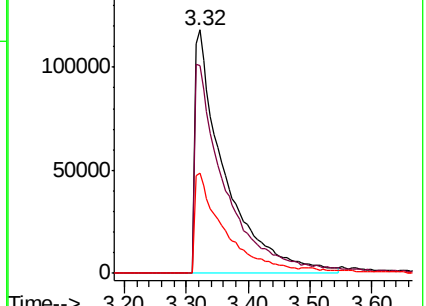
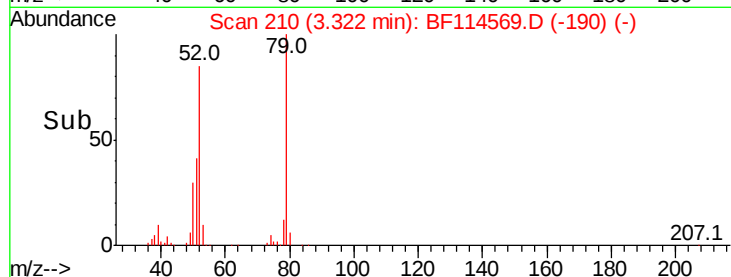
51 41.1 34.2 51.2



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: 36.692 ng

RT: 3.26 min Scan# 200

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

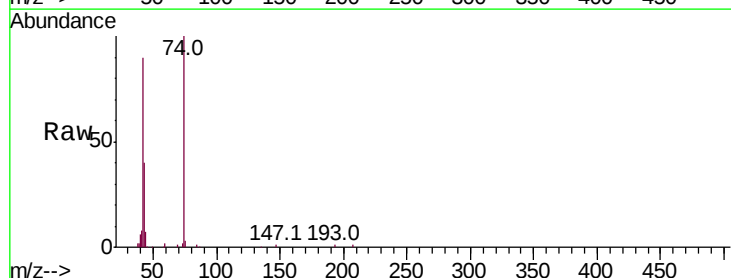
Tgt Ion: 42 Resp: 233655

Ion Ratio Lower Upper

42 100

74 111.3 88.6 132.8

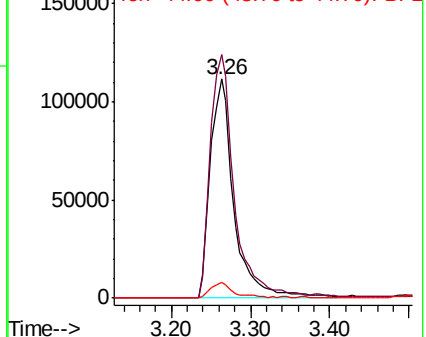
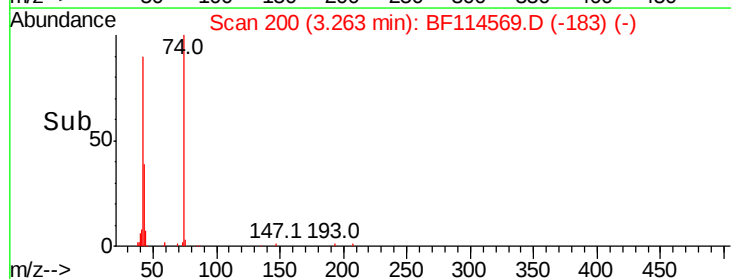
44 7.4 5.5 8.3

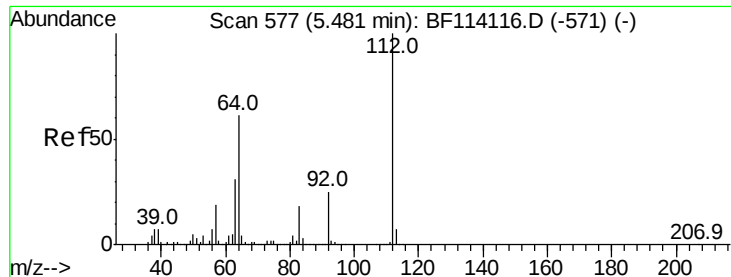


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 123.456 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

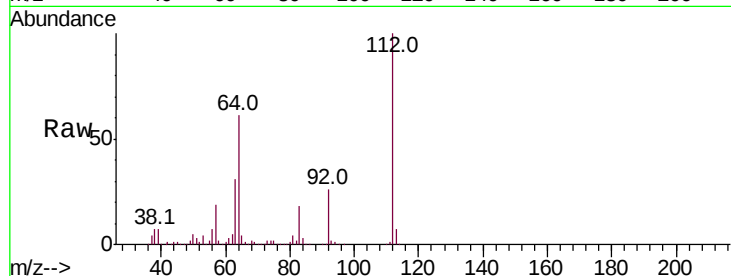
Tot Ion:112 Resp: 1076502

Ion Ratio Lower Upper

112 100

64 60.9 49.0 73.6

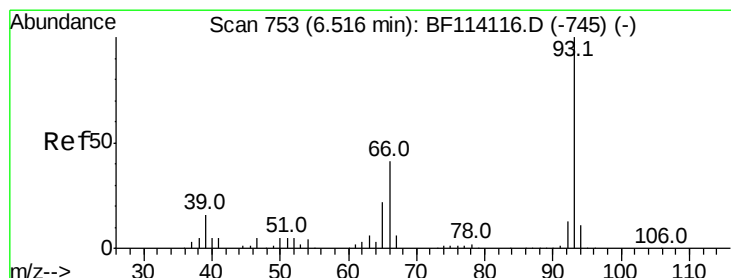
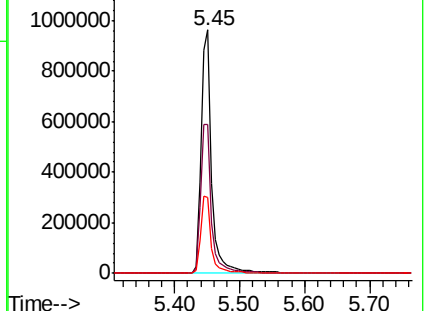
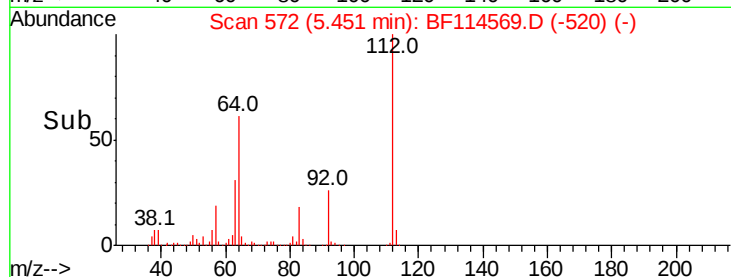
63 31.2 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.693 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

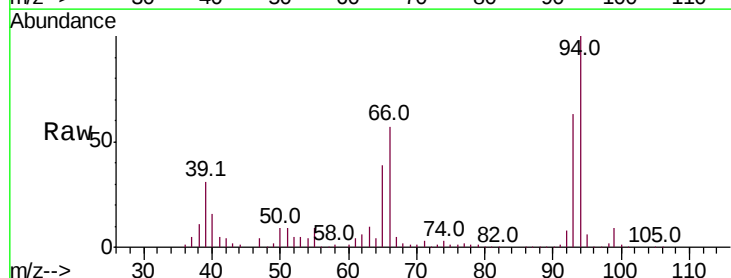
Tgt Ion: 93 Resp: 367857

Ion Ratio Lower Upper

93 100

66 90.7 33.2 49.8#

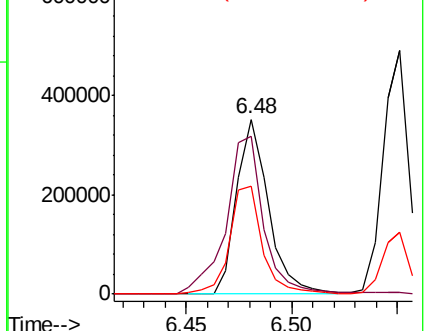
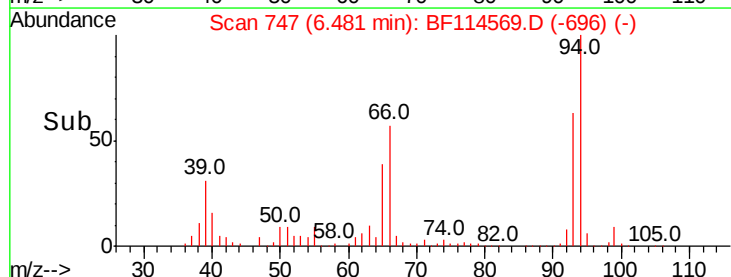
65 61.4 17.6 26.4#

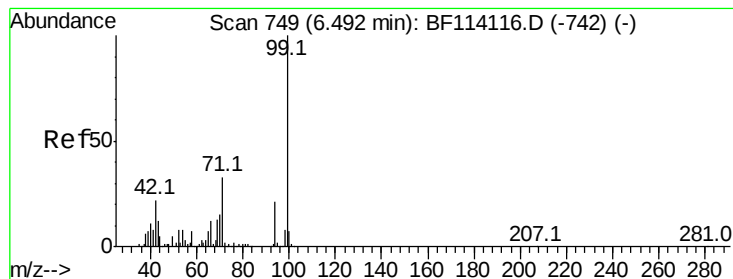


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 134.379 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114569.D

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Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

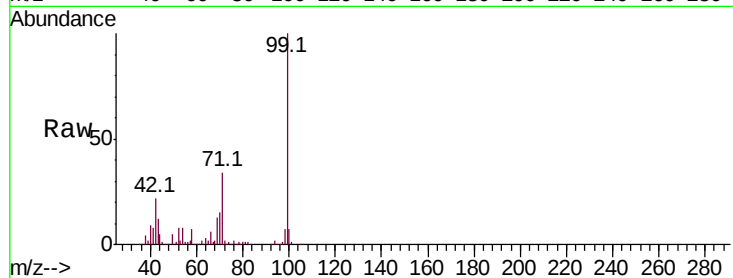
Tot Ion: 99 Resp: 1385866

Ion Ratio Lower Upper

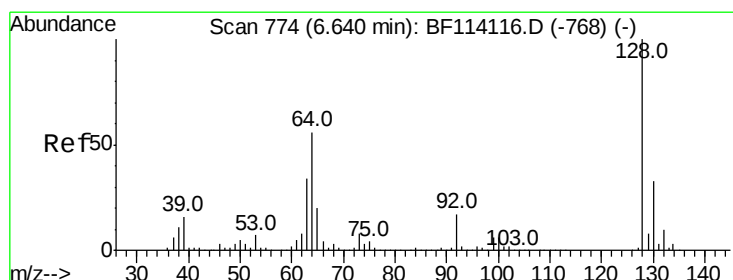
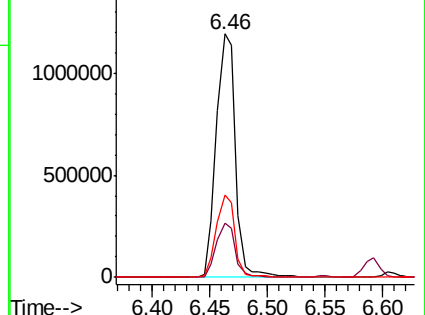
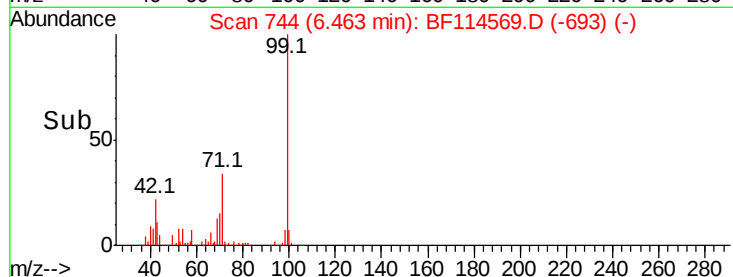
99 100

42 22.5 17.9 26.9

71 33.9 26.2 39.2



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: 47.701 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

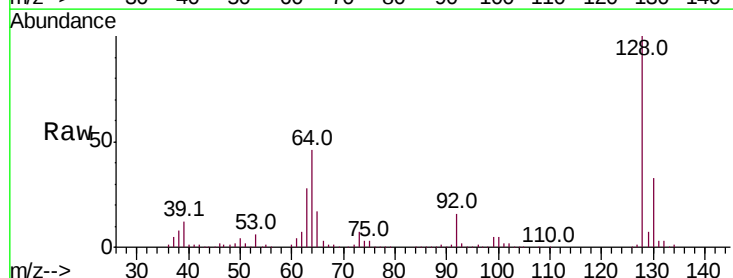
Tgt Ion:128 Resp: 444037

Ion Ratio Lower Upper

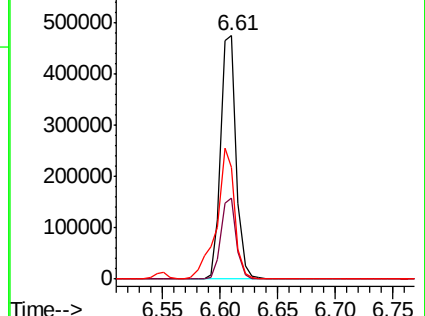
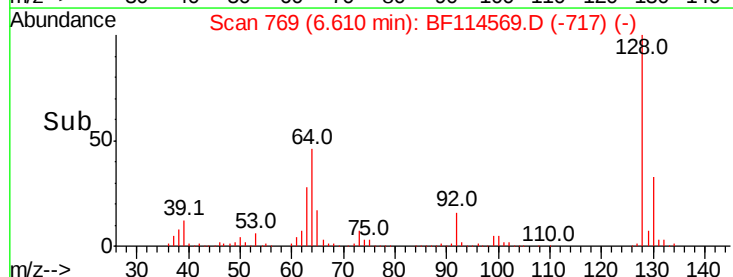
128 100

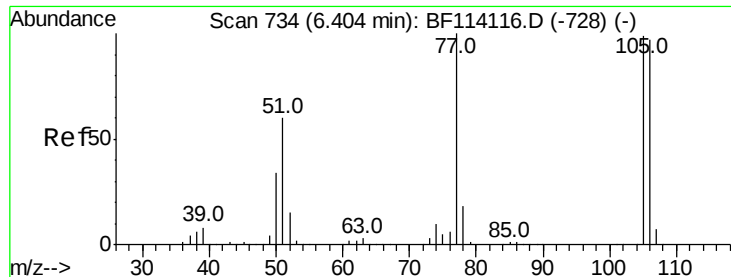
130 33.1 12.6 52.6

64 45.9 35.9 75.9



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: 41.893 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

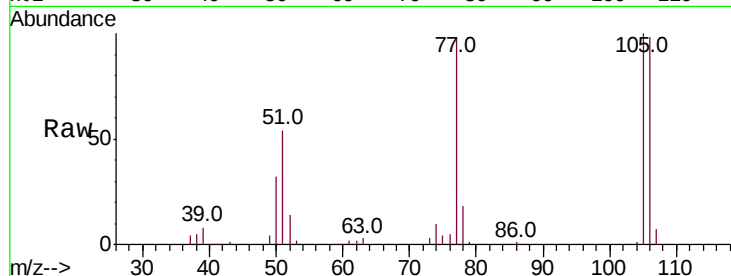
Tot Ion: 77 Resp: 302466

Ion Ratio Lower Upper

77 100

105 101.6 79.3 119.3

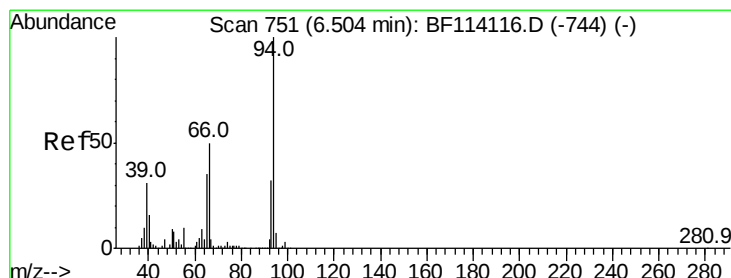
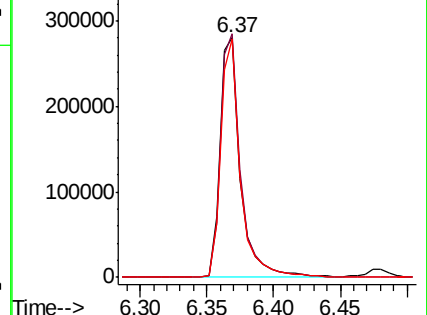
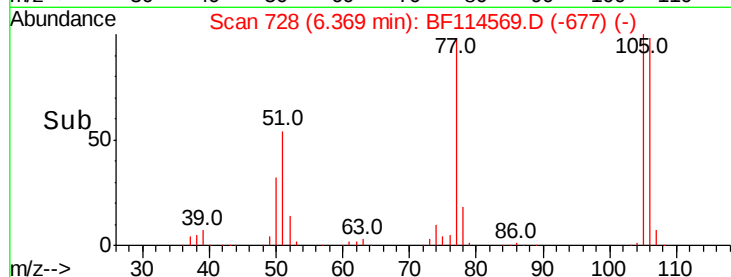
106 99.5 77.0 117.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 44.517 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

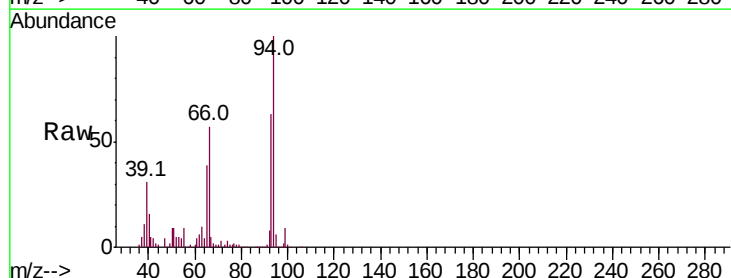
Tgt Ion: 94 Resp: 540083

Ion Ratio Lower Upper

94 100

65 38.9 14.7 54.7

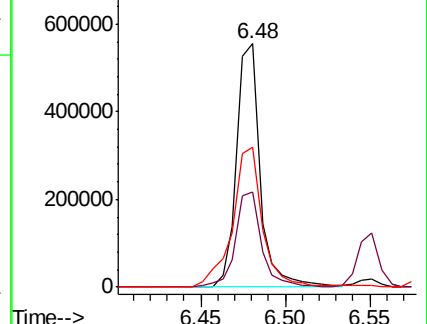
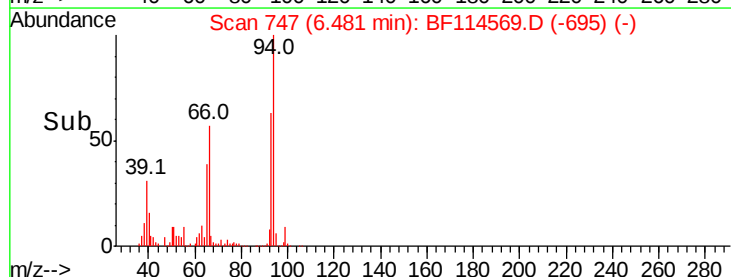
66 57.5 29.6 69.6

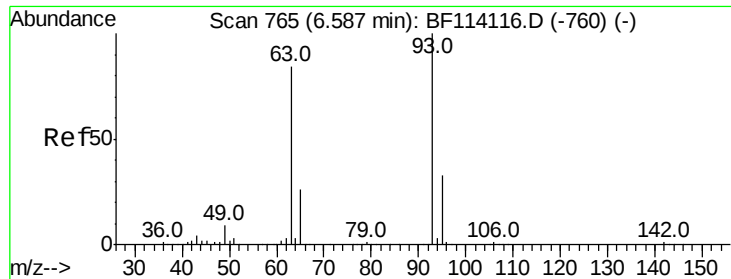


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

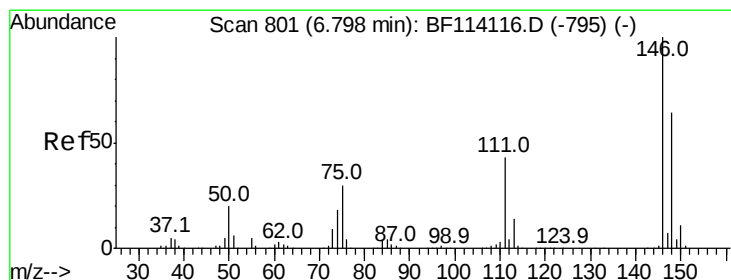
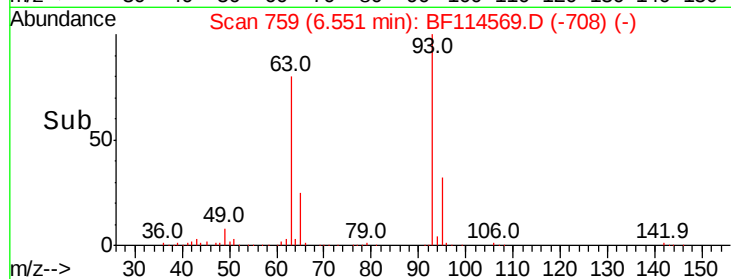
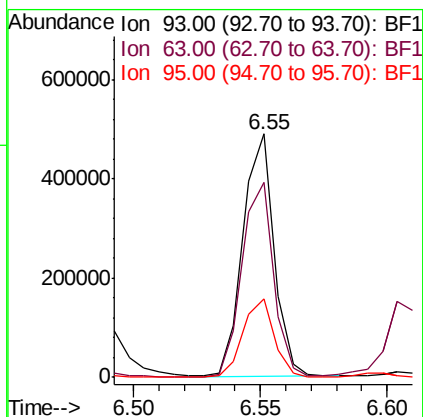
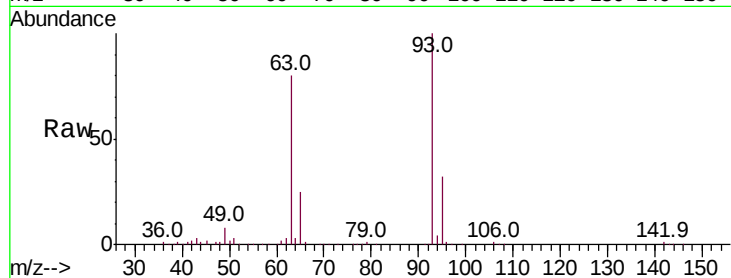




#11  
bis(2-Chloroethyl)ether  
Concen: 45.357 ng  
RT: 6.55 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

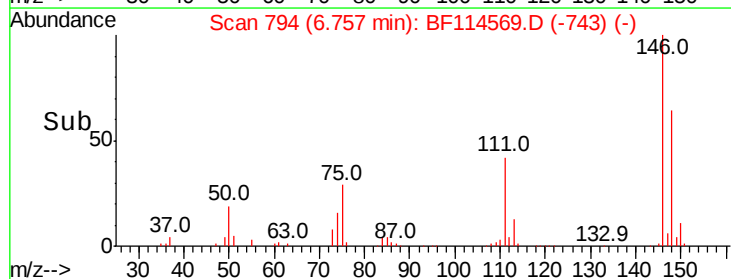
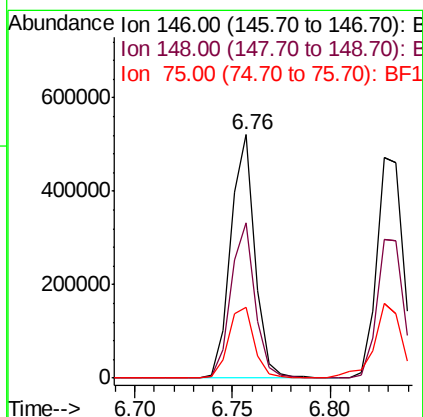
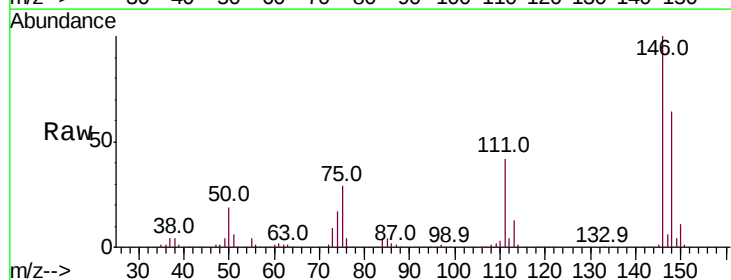
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

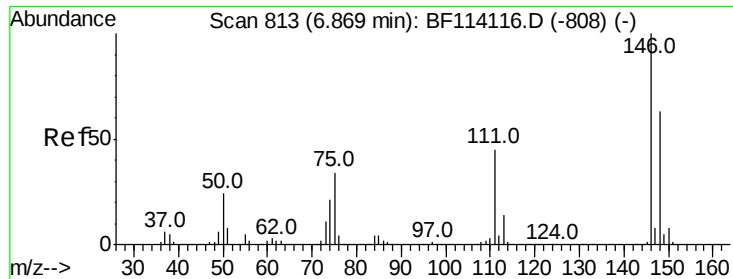
Tot Ion: 93 Resp: 417756  
Ion Ratio Lower Upper  
93 100  
63 80.2 63.6 103.6  
95 32.1 13.1 53.1



#12  
1,3-Dichlorobenzene  
Concen: 42.803 ng  
RT: 6.76 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion: 146 Resp: 447254  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.6 77.4  
75 28.9 24.2 36.2





#13

1,4-Dichlorobenzene

Concen: 43.482 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

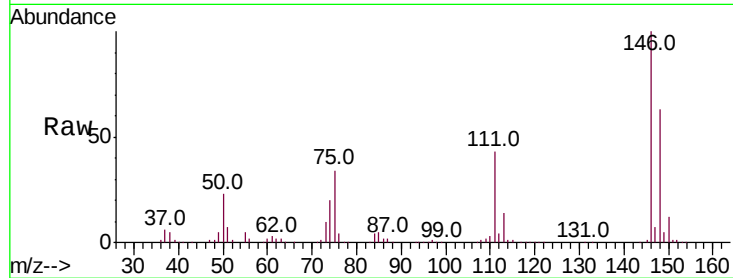
Tot Ion:146 Resp: 457839

Ion Ratio Lower Upper

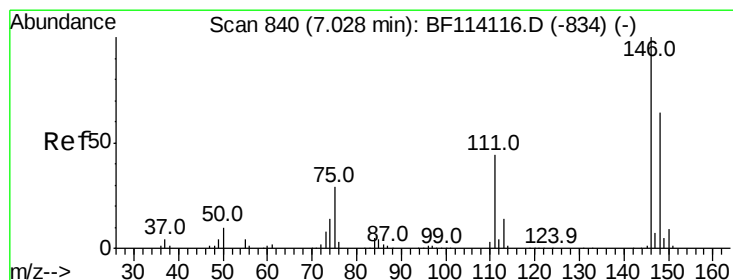
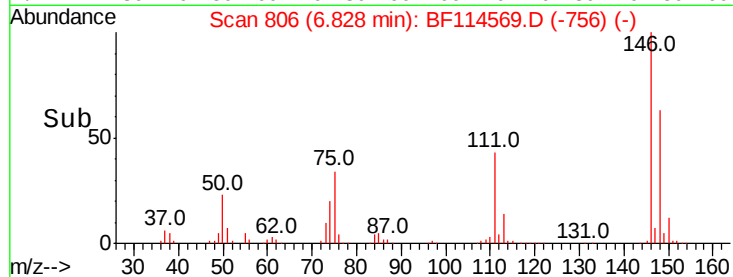
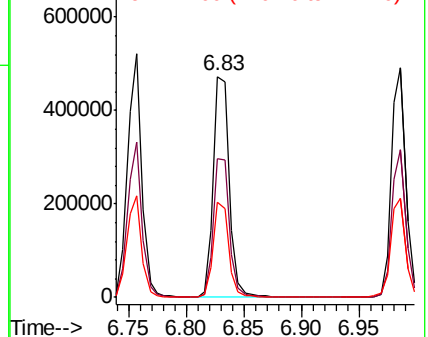
146 100

148 62.5 50.2 75.2

111 43.3 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.983 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

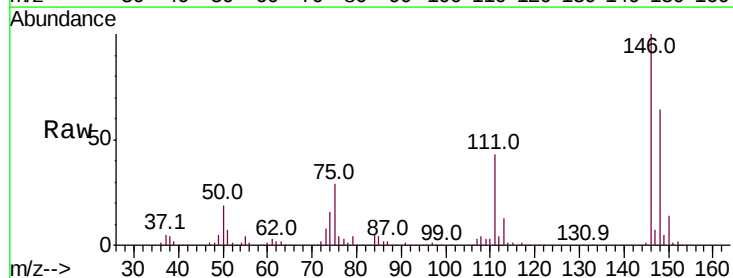
Tgt Ion:146 Resp: 432728

Ion Ratio Lower Upper

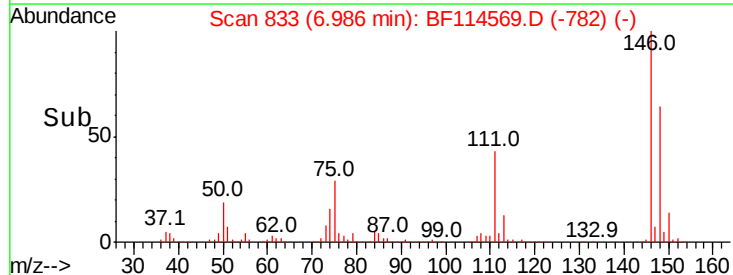
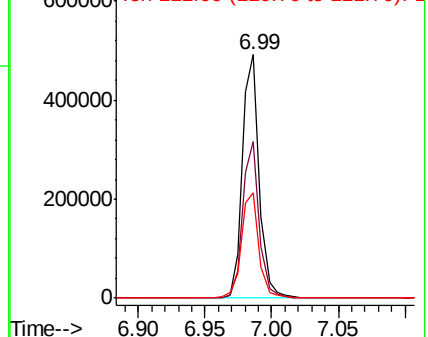
146 100

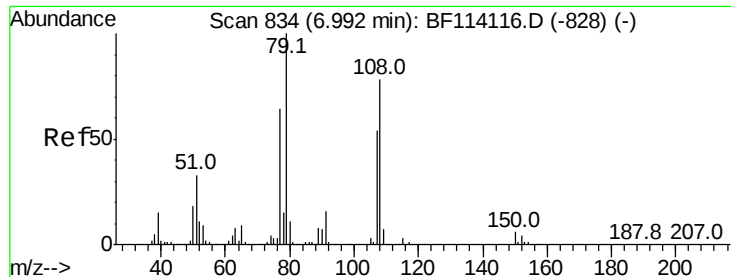
148 64.4 51.1 76.7

111 43.0 35.3 52.9



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: 45.058 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

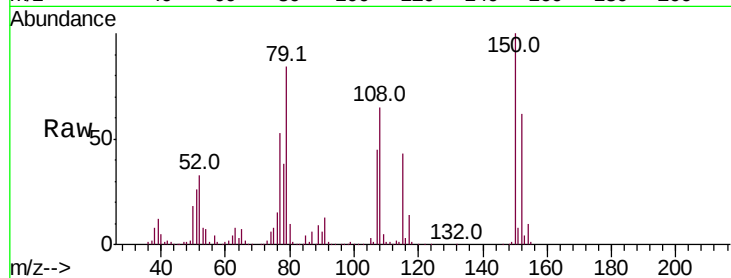
Tot Ion: 79 Resp: 362427

Ion Ratio Lower Upper

79 100

108 77.2 62.1 93.1

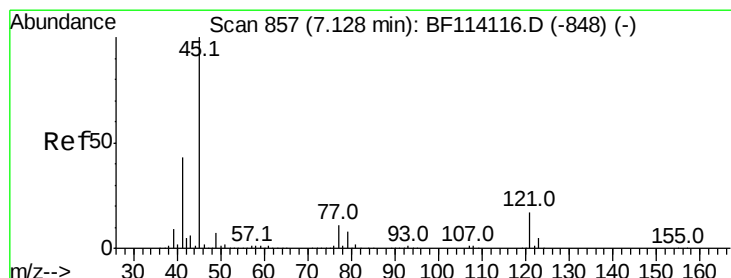
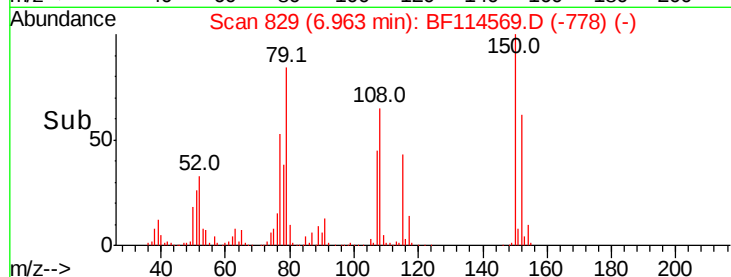
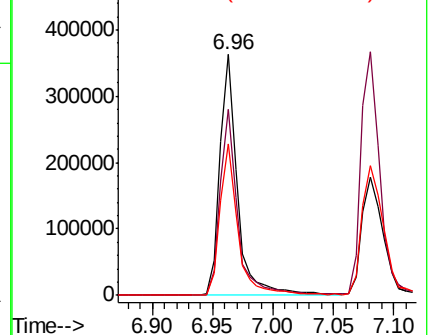
77 63.2 51.0 76.6



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.391 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

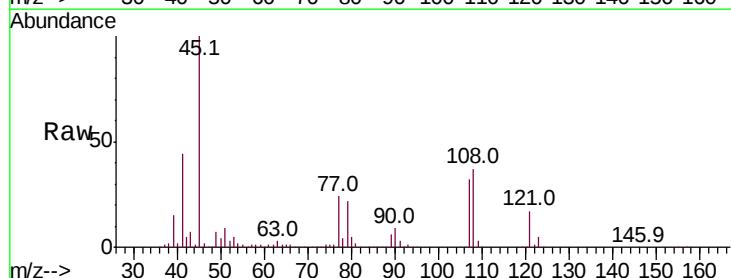
Tgt Ion: 45 Resp: 757039

Ion Ratio Lower Upper

45 100

77 24.5 0.0 31.1

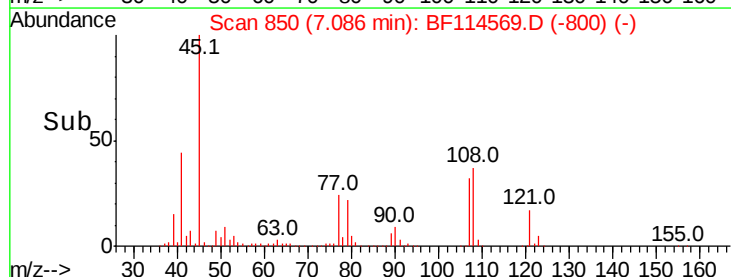
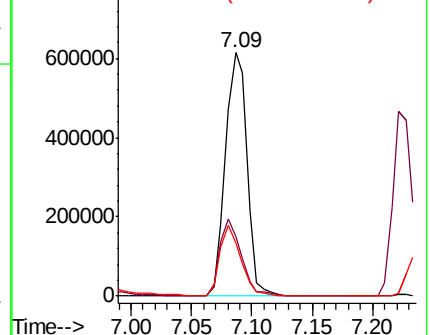
79 21.8 0.0 28.4

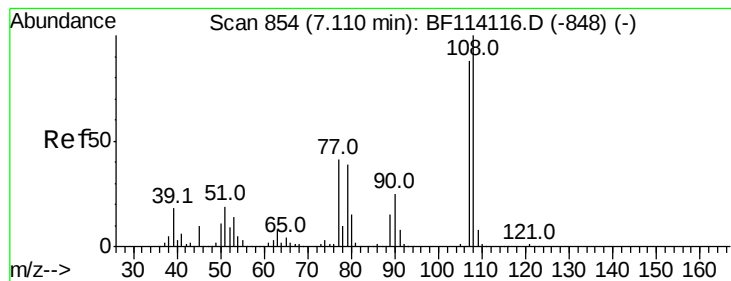


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

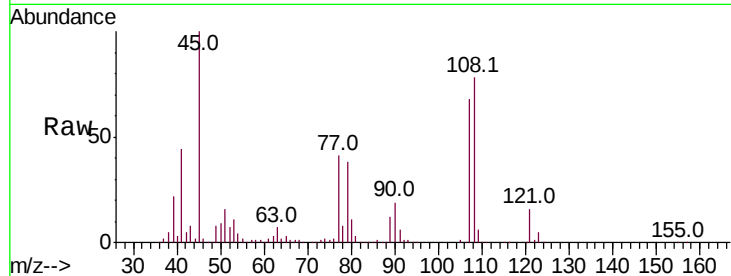




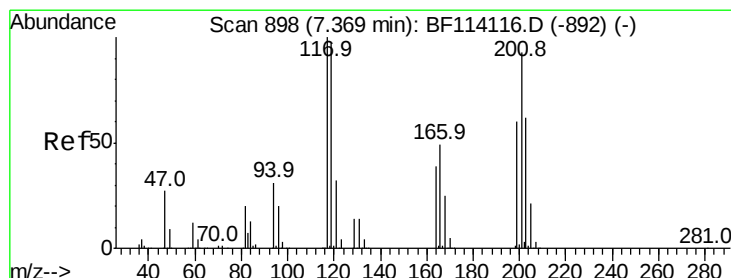
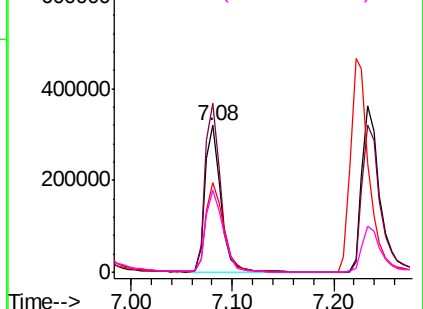
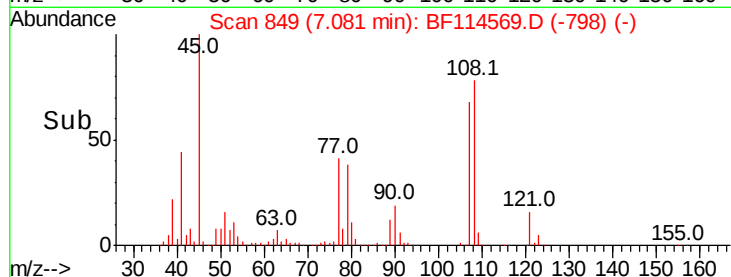
#17  
2-Methylphenol  
Concen: 44.915 ng  
RT: 7.08 min Scan# 849  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:107 Resp: 343457  
Ion Ratio Lower Upper  
107 100  
108 114.8 90.5 135.7  
77 60.9 37.0 55.4#  
79 55.6 35.8 53.8#

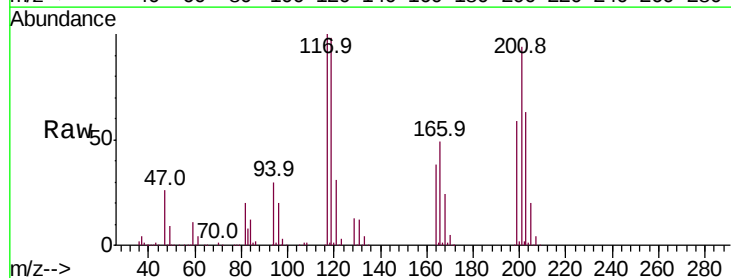


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

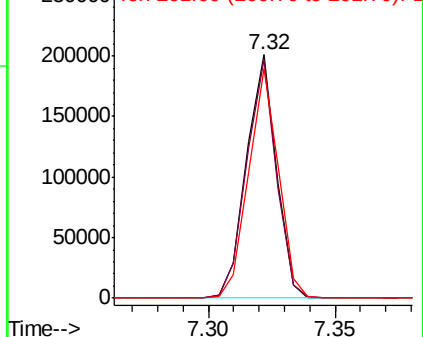
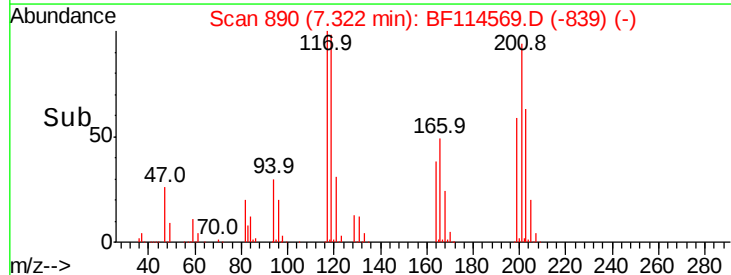


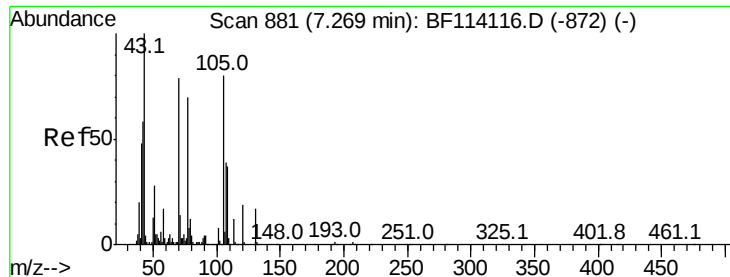
#18  
Hexachloroethane  
Concen: 41.755 ng  
RT: 7.32 min Scan# 890  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:117 Resp: 165030  
Ion Ratio Lower Upper  
117 100  
119 98.2 77.4 116.2  
201 94.3 74.5 111.7



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

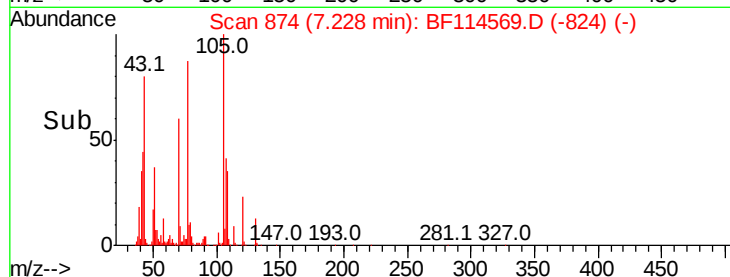
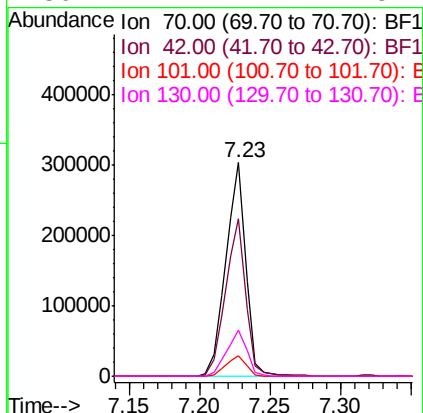
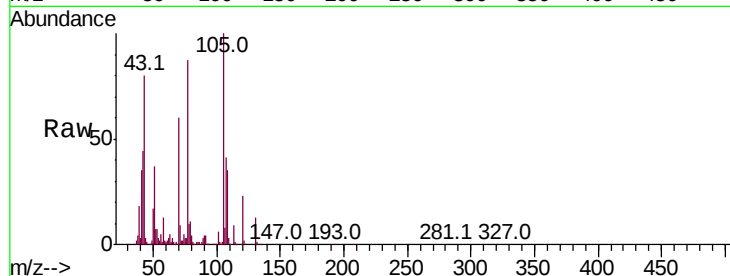




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.691 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

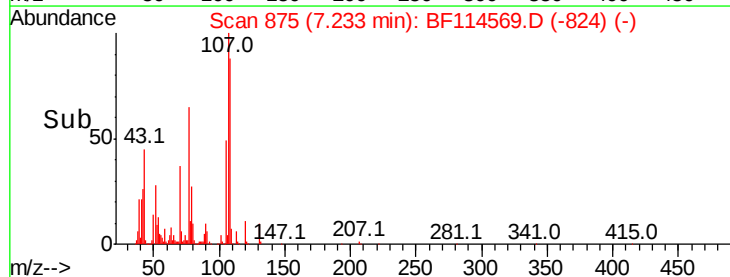
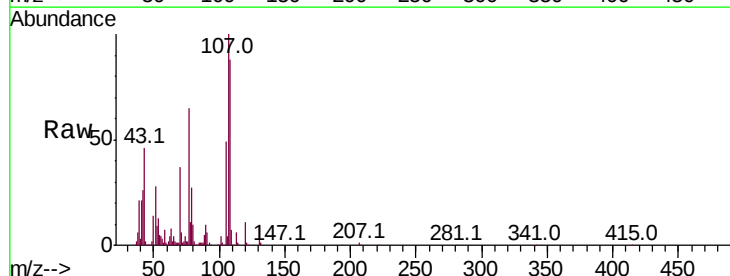
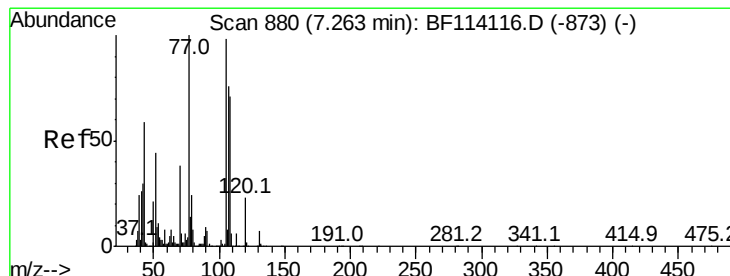
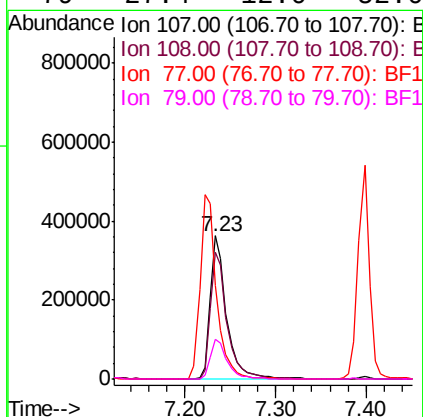
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

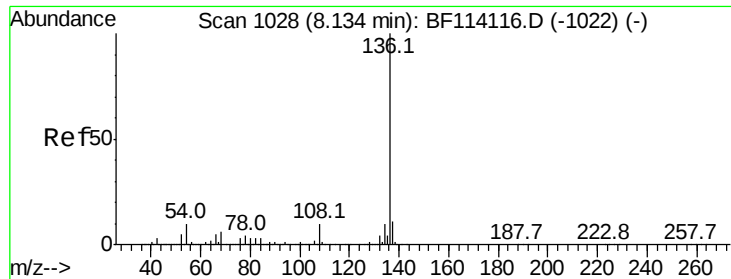
Tot Ion: 70 Resp: 298678  
Ion Ratio Lower Upper  
70 100  
42 73.6 58.6 87.8  
101 9.7 7.8 11.8  
130 21.7 17.1 25.7



#20  
3+4-Methylphenols  
Concen: 51.254 ng  
RT: 7.23 min Scan# 875  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:107 Resp: 452823  
Ion Ratio Lower Upper  
107 100  
108 88.3 73.8 113.8  
77 65.3 111.5 151.5#  
79 27.4 12.0 52.0

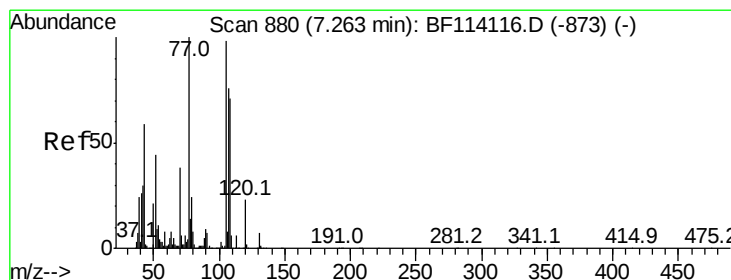
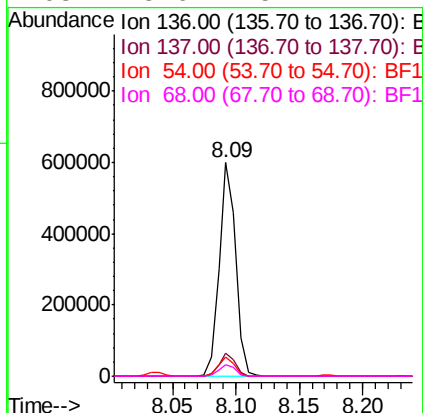
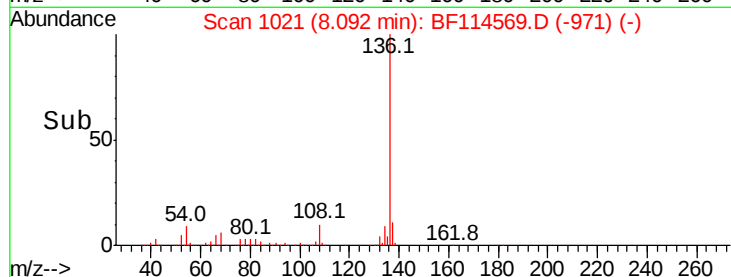
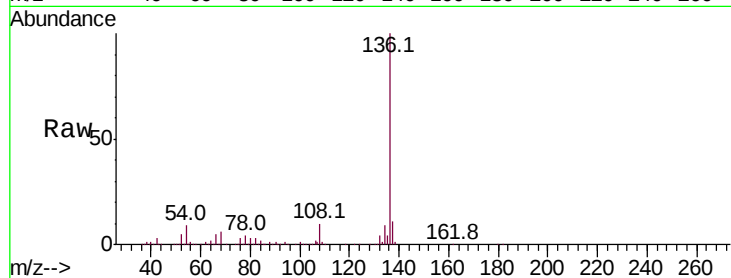




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

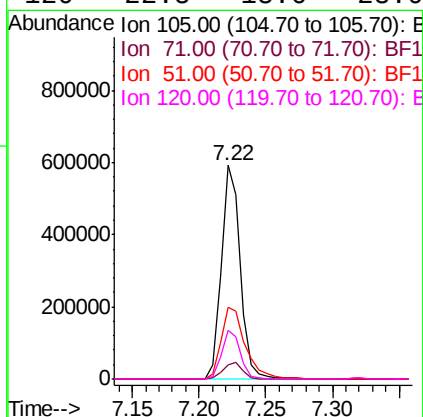
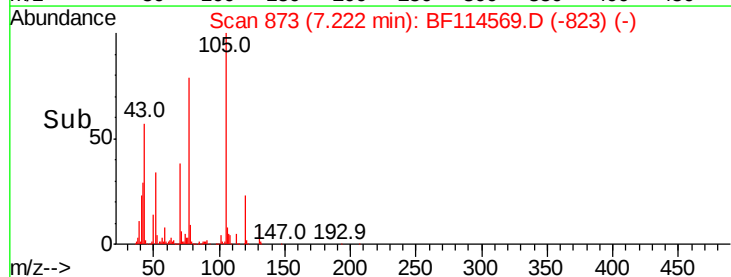
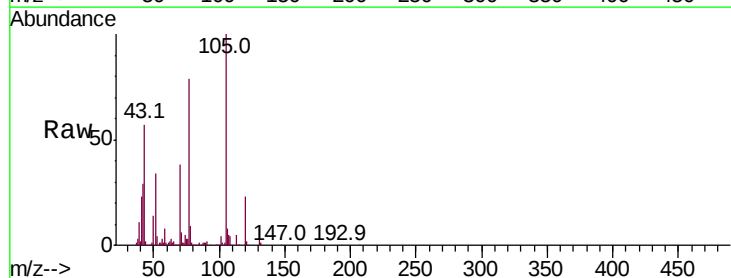
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

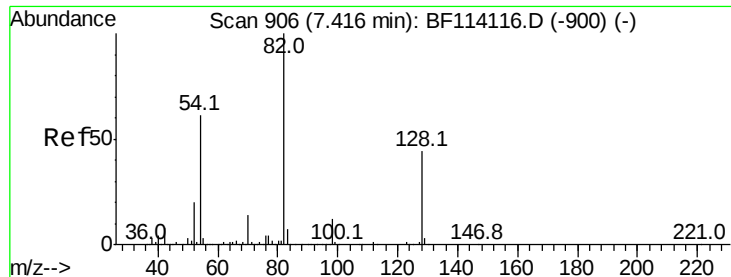
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 546567 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.8 13.2     |
| 54 9.1      | 7.8 11.8     |
| 68 5.6      | 5.1 7.7      |



#22  
Acetophenone  
Concen: 48.789 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 590751 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 6.4     | 5.3   | 7.9    |
| 51  | 33.6    | 36.2  | 54.4#  |
| 120 | 22.5    | 18.6  | 28.0   |

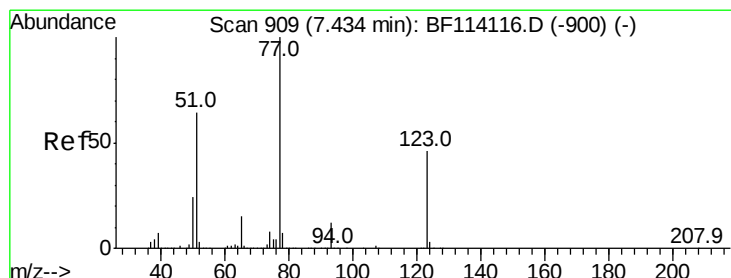
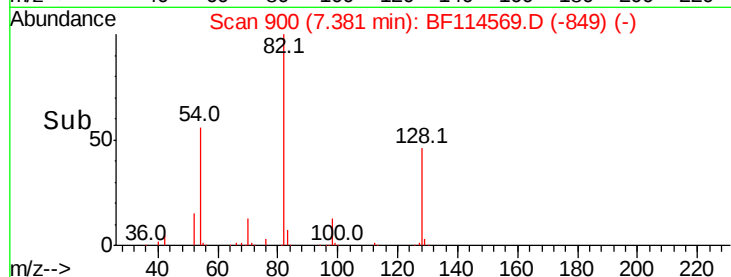
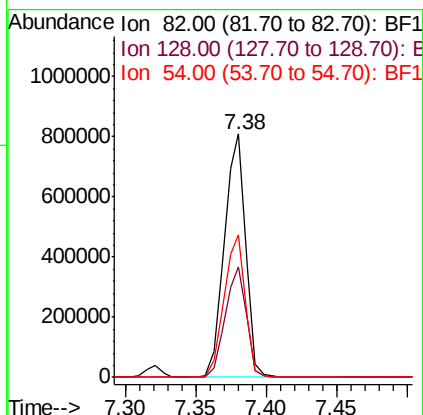
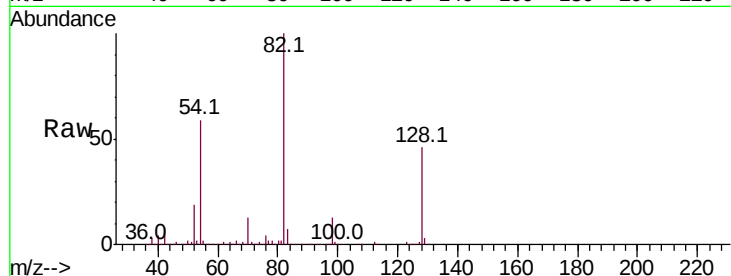




#23  
Nitrobenzene-d5  
Concen: 86.373 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

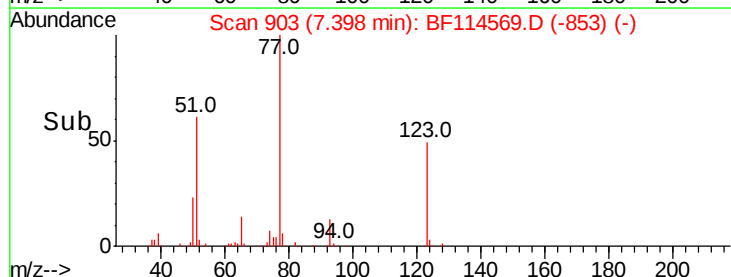
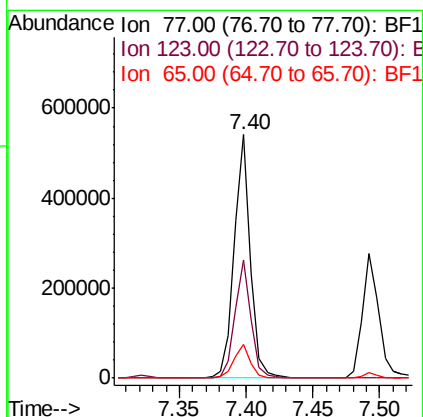
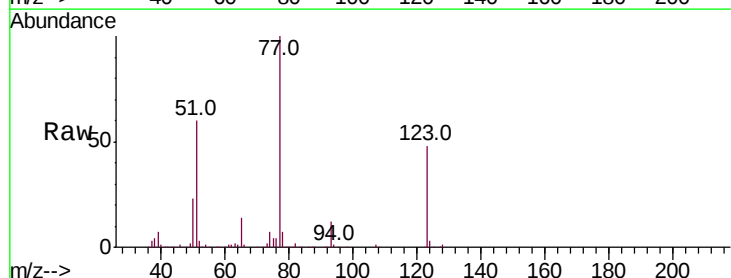
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

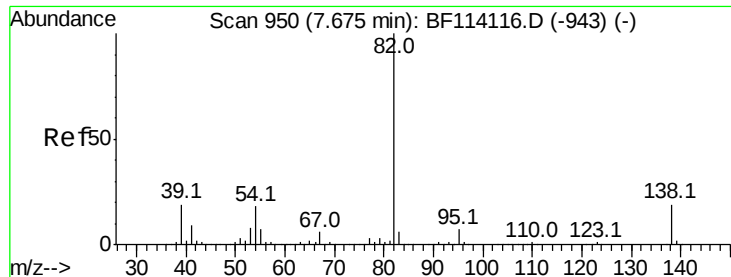
Tot Ion: 82 Resp: 841210  
Ion Ratio Lower Upper  
82 100  
128 45.6 35.5 53.3  
54 58.6 48.5 72.7



#24  
Nitrobenzene  
Concen: 46.470 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion: 77 Resp: 460960  
Ion Ratio Lower Upper  
77 100  
123 48.4 36.9 55.3  
65 13.7 11.8 17.6





#25

Isophorone

Concen: 46.392 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

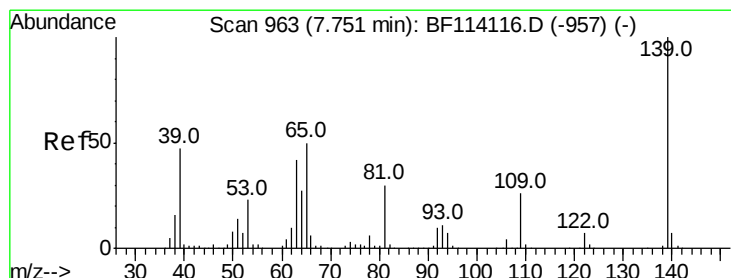
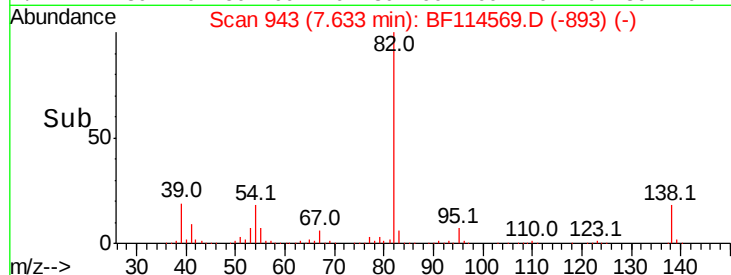
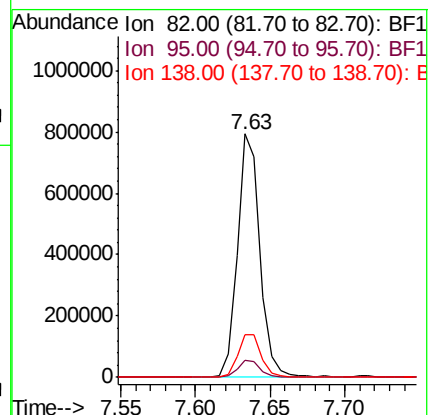
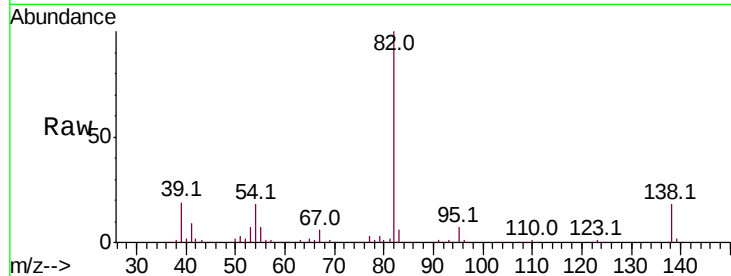
Tot Ion: 82 Resp: 837947

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

138 17.7 14.8 22.2



#26

2-Nitrophenol

Concen: 49.782 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

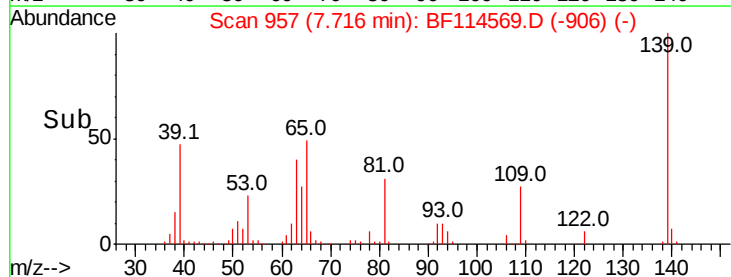
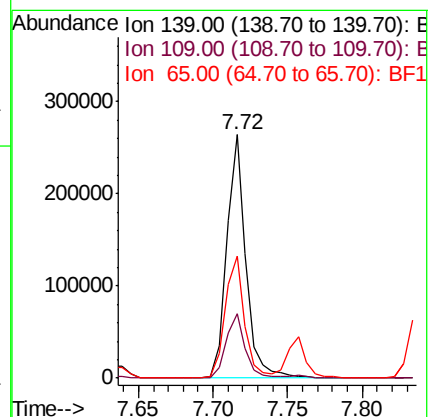
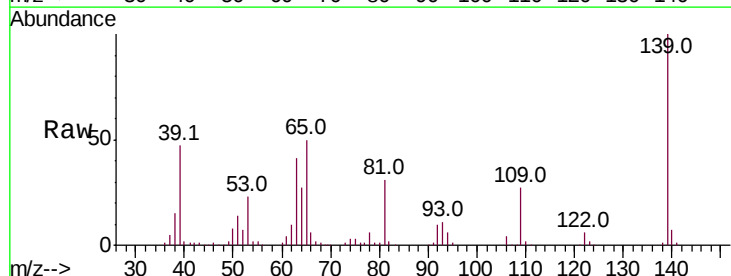
Tgt Ion: 139 Resp: 239579

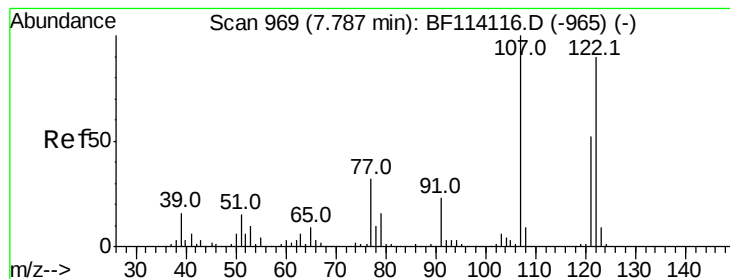
Ion Ratio Lower Upper

139 100

109 26.7 20.7 31.1

65 50.0 40.2 60.2





#27

2,4-Dimethylphenol

Concen: 49.077 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

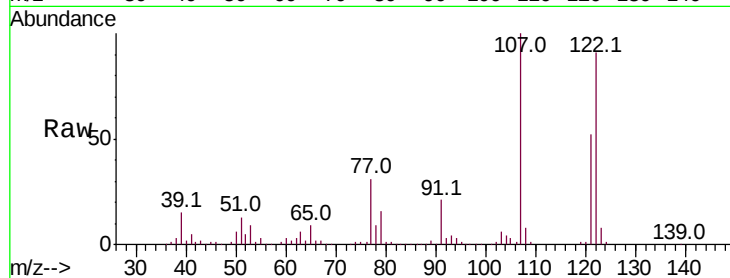
Tot Ion:122 Resp: 370954

Ion Ratio Lower Upper

122 100

107 109.9 88.4 132.6

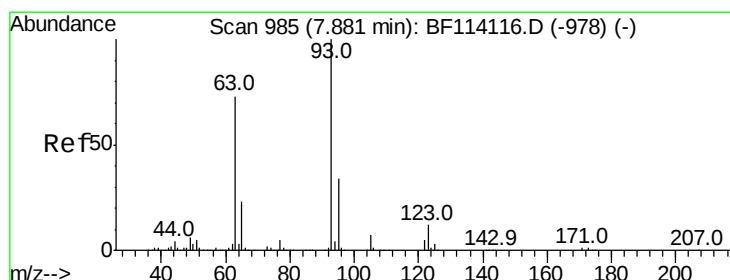
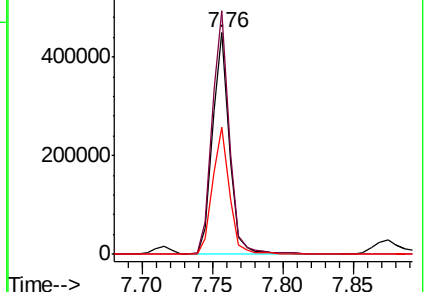
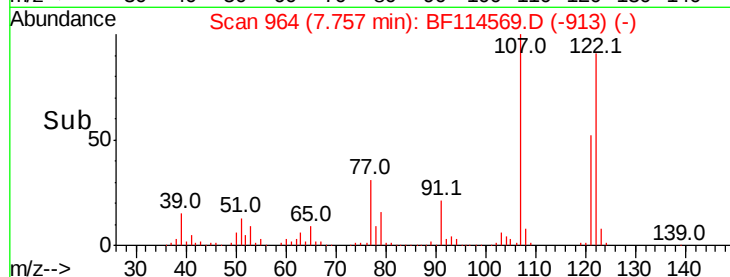
121 57.1 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.813 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

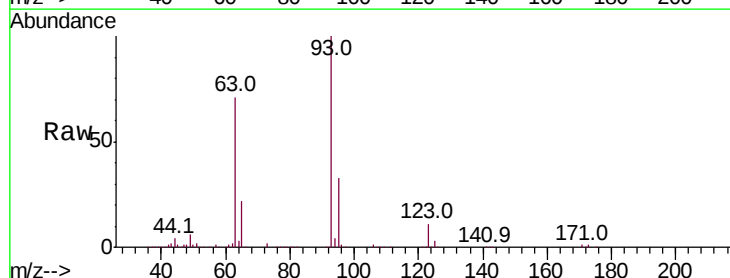
Tgt Ion: 93 Resp: 536910

Ion Ratio Lower Upper

93 100

95 32.8 26.8 40.2

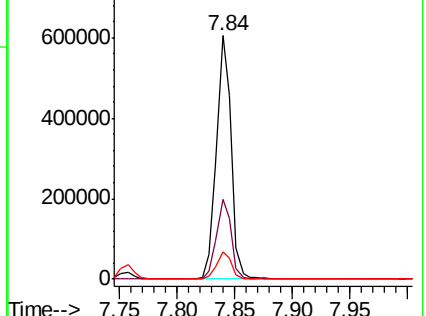
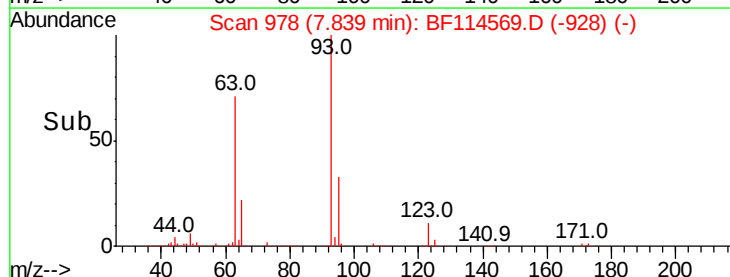
123 11.0 9.5 14.3

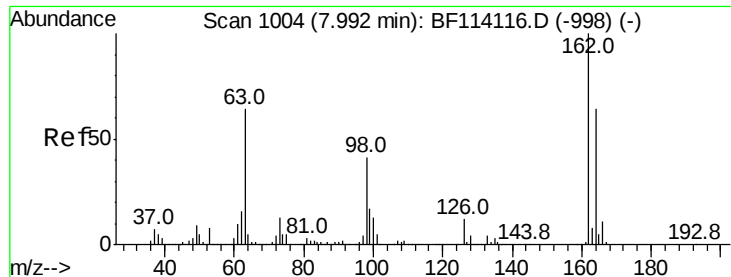


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

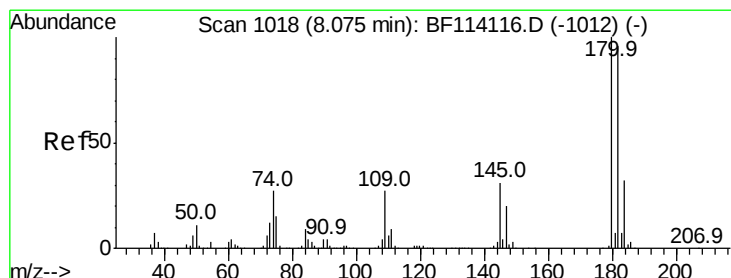
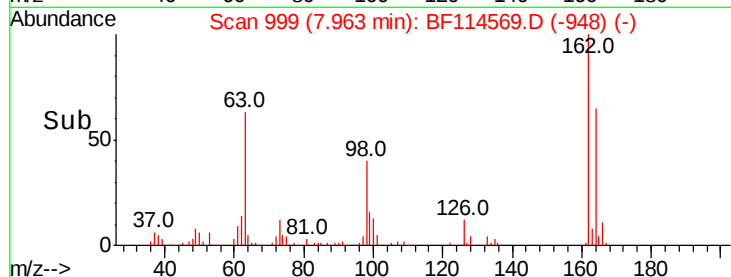
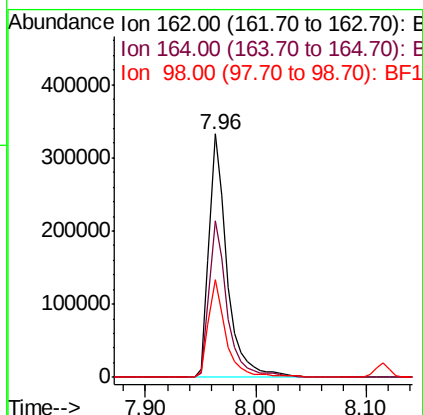
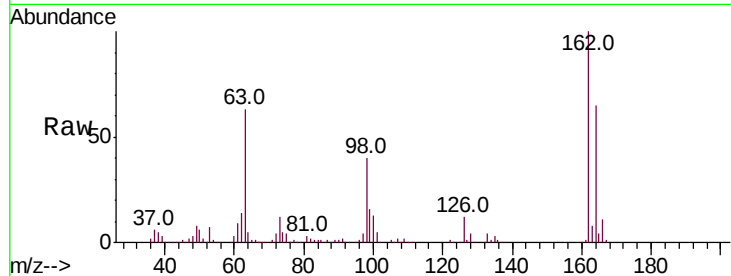




#29  
2,4-Dichlorophenol  
Concen: 49.225 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

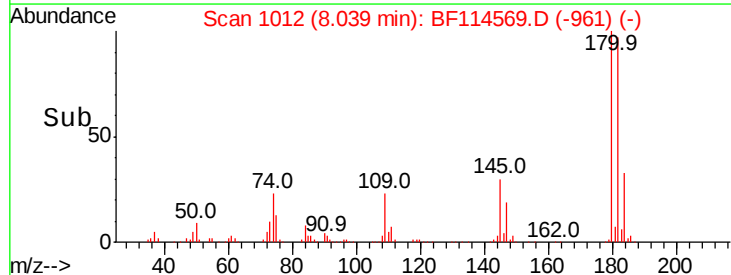
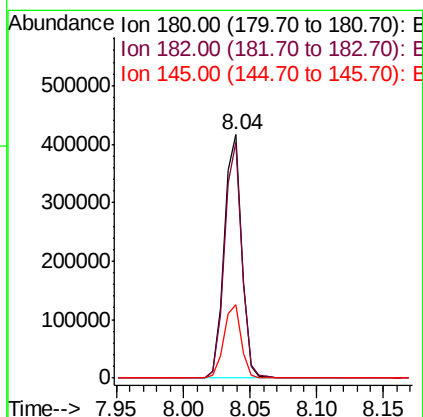
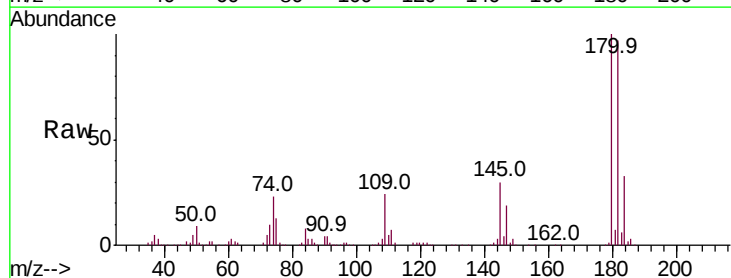
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

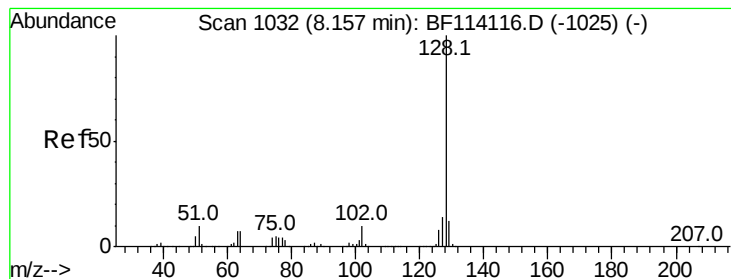
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.5  | 43.6  | 83.6  |
| 98      | 40.2  | 20.6  | 60.6  |



#30  
1,2,4-Trichlorobenzene  
Concen: 45.250 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 76.6  | 114.8 |
| 145     | 30.2  | 25.1  | 37.7  |





#31

Naphthalene

Concen: 48.351 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

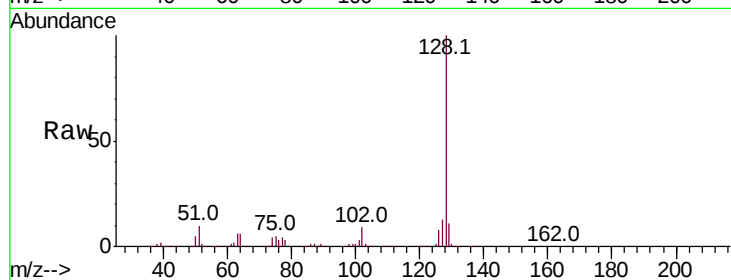
BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion:128 Resp: 1234442

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.2  | 9.6   | 14.4  |
| 127 | 13.5  | 11.3  | 16.9  |

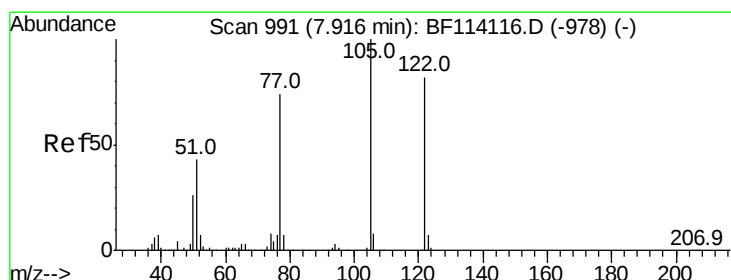
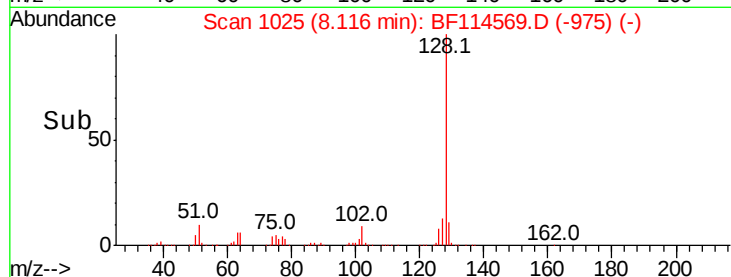
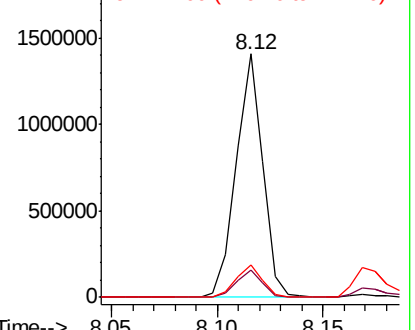


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.288 ng

RT: 7.87 min Scan# 984

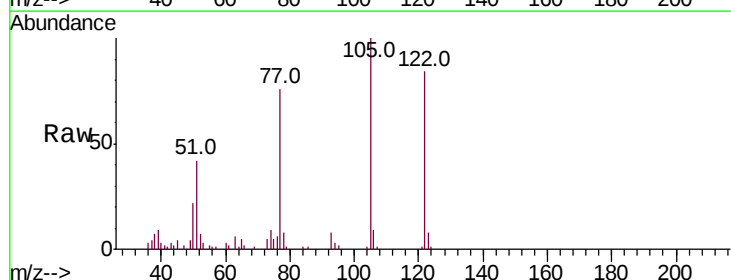
Delta R.T. -0.04 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:122 Resp: 52190

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 105 | 119.5 | 99.9  | 139.9 |
| 77  | 90.8  | 69.4  | 109.4 |

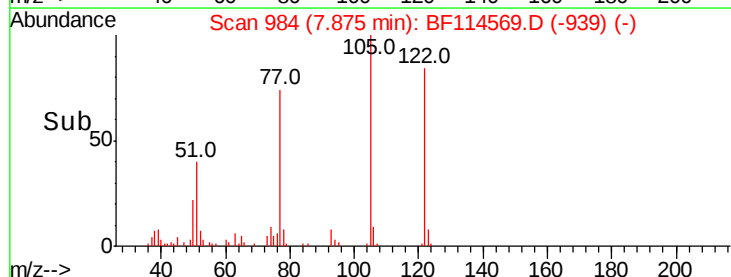
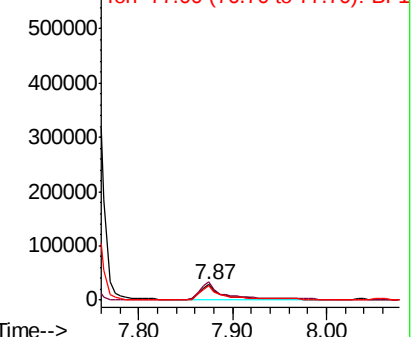


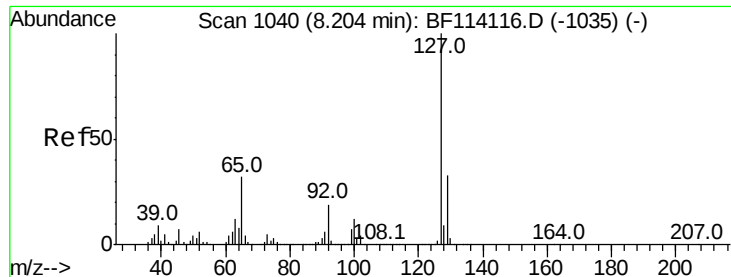
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

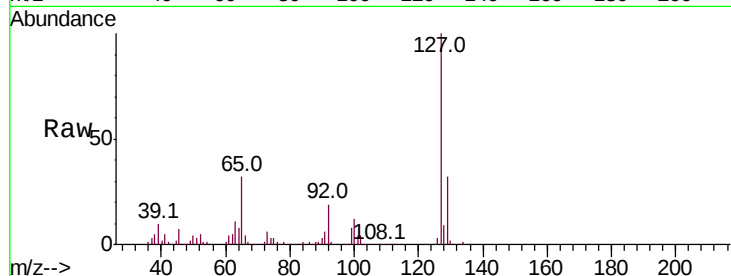




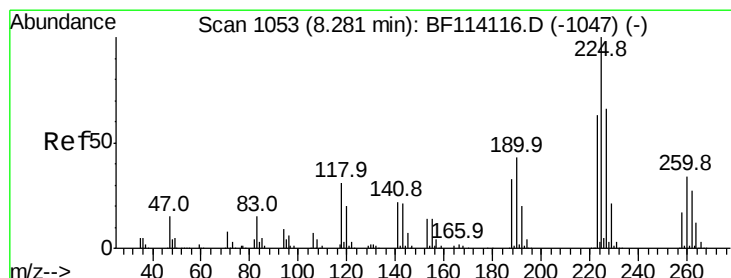
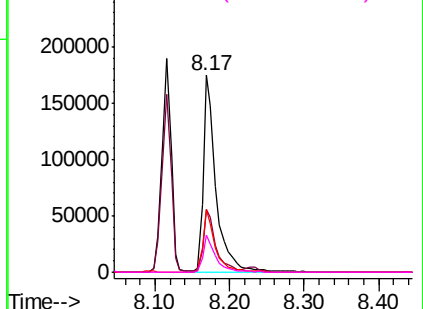
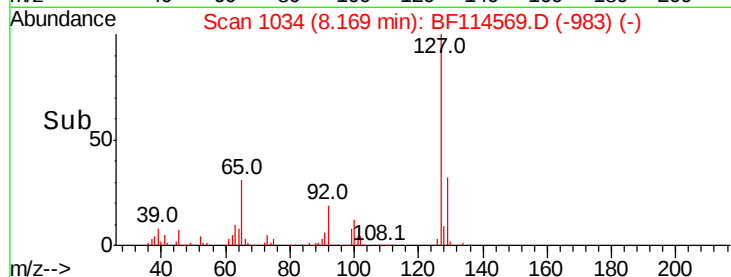
#33  
4-Chloroaniline  
Concen: 18.263 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 212472 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.0  | 26.7  | 40.1   |
| 65       | 32.0  | 25.4  | 38.0   |
| 92       | 18.6  | 15.4  | 23.2   |

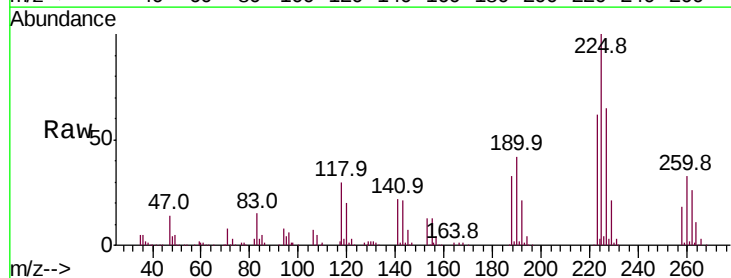


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

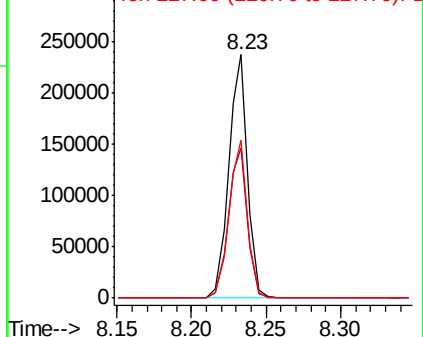
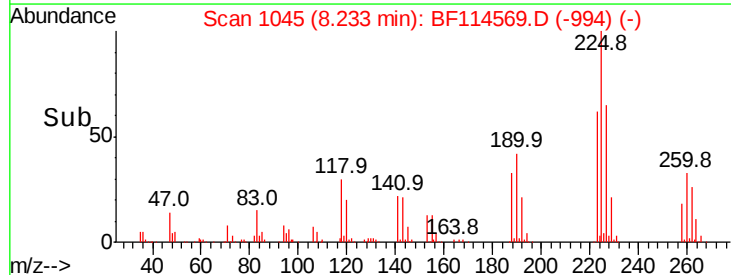


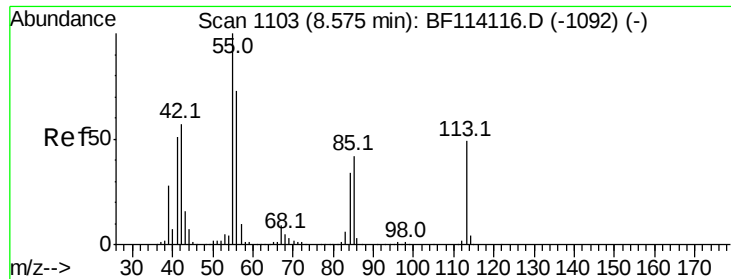
#34  
Hexachlorobutadiene  
Concen: 43.309 ng  
RT: 8.23 min Scan# 1045  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 210904 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.8  | 50.2  | 75.2   |
| 227      | 64.7  | 52.6  | 79.0   |



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

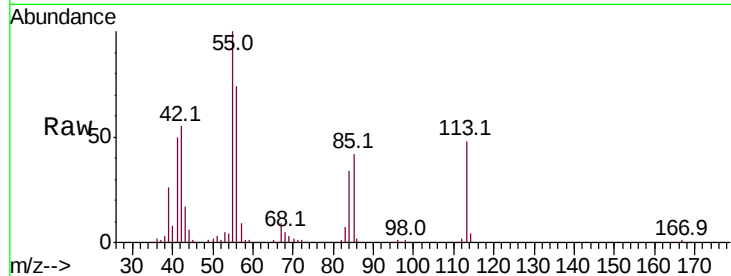




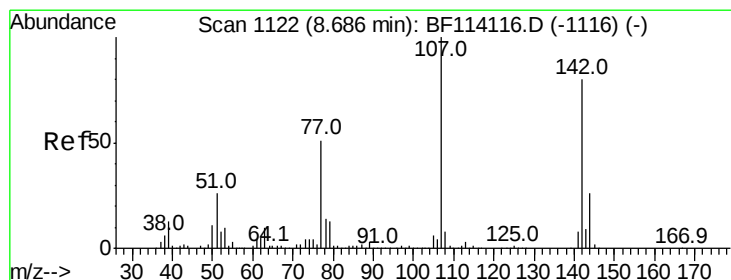
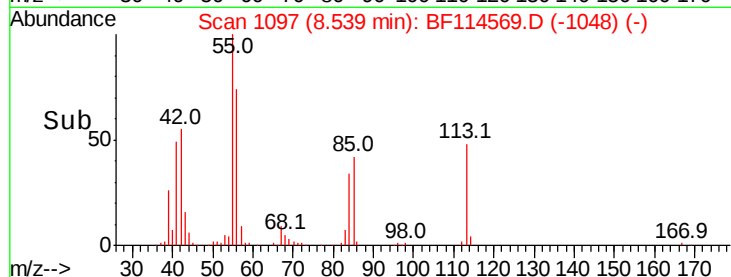
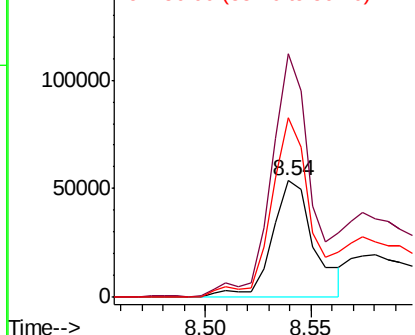
#35  
Caprolactam  
Concen: 30.585 ng  
RT: 8.54 min Scan# 1097  
Delta R.T. -0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:113 Resp: 75061  
Ion Ratio Lower Upper  
113 100  
55 208.8 183.5 223.5  
56 154.5 128.8 168.8

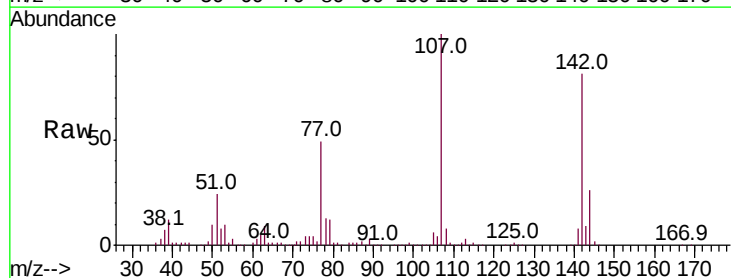


Abundance Ion 113.00 (112.70 to 113.70): E  
150000 Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

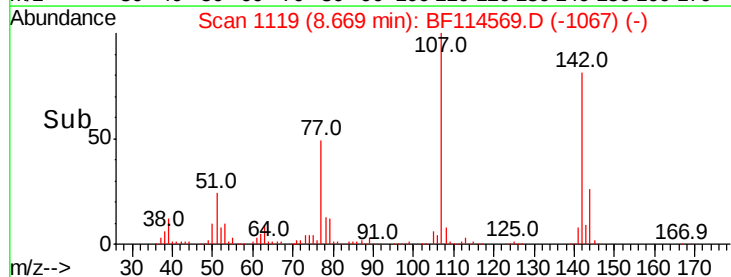
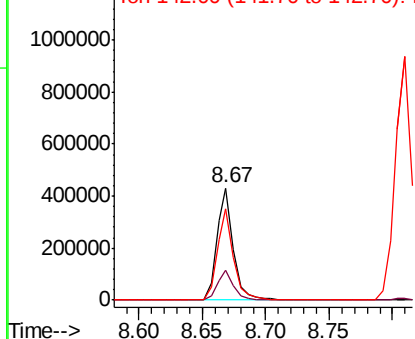


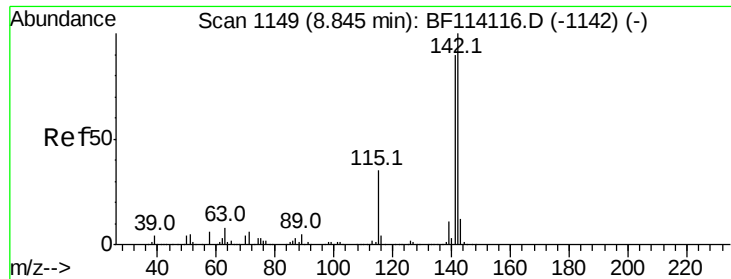
#36  
4-Chloro-3-methylphenol  
Concen: 51.963 ng  
RT: 8.67 min Scan# 1119  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:107 Resp: 393678  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.4 30.6  
142 81.3 64.2 96.4



Abundance Ion 107.00 (106.70 to 107.70): E  
1200000 Ion 144.00 (143.70 to 144.70): E  
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 51.042 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.00 min

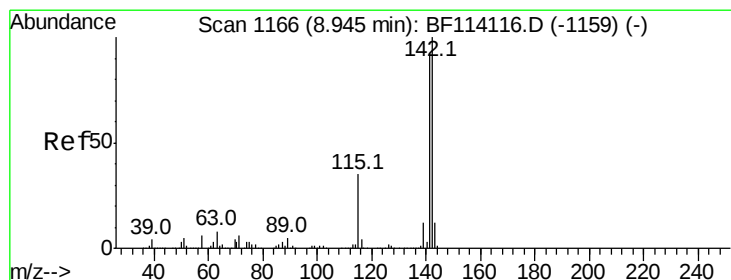
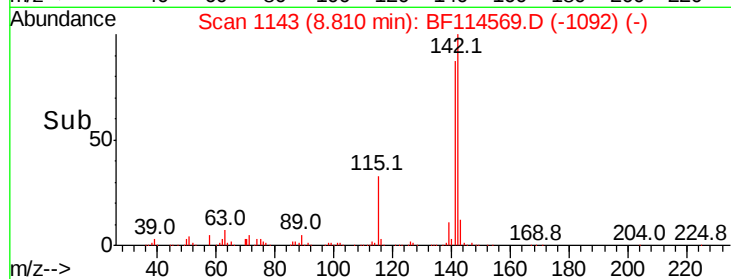
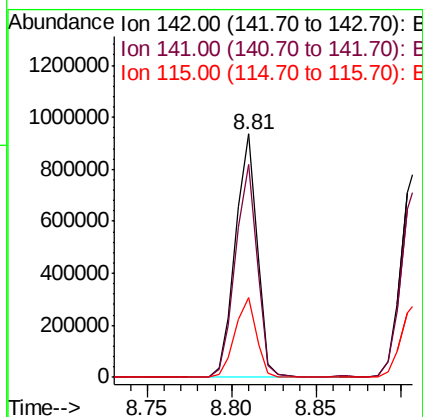
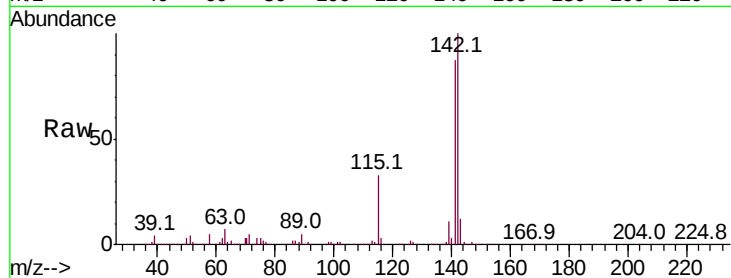
Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:142 Resp: 840792

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 87.3  | 72.1  | 108.1 |
| 115 | 32.6  | 28.0  | 42.0  |



#38

1-Methylnaphthalene

Concen: 51.097 ng

RT: 8.91 min Scan# 1160

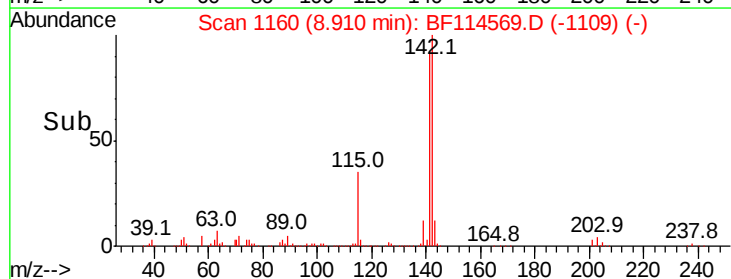
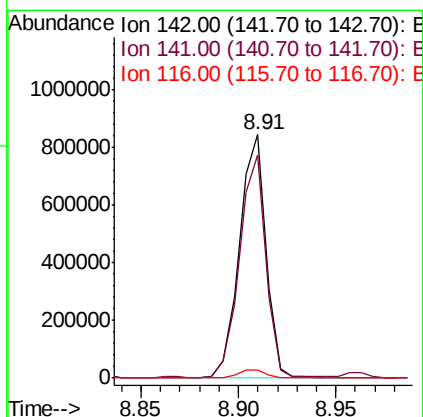
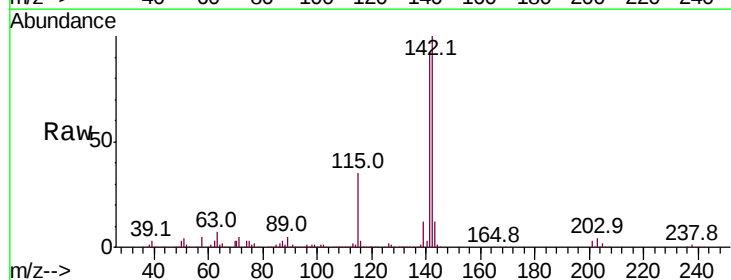
Delta R.T. -0.00 min

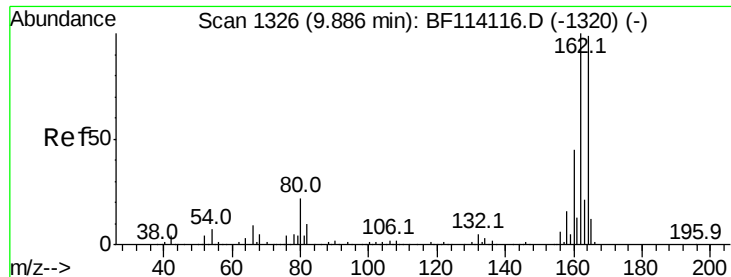
Lab File: BF114569.D

Acq: 24 May 2019 14:49

Tgt Ion:142 Resp: 792636

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 91.7  | 73.4  | 110.0 |
| 116 | 3.4   | 3.1   | 4.7   |

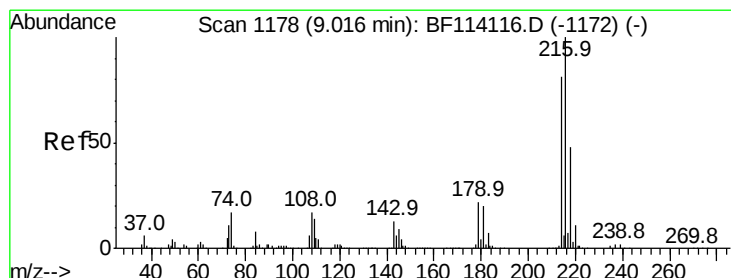
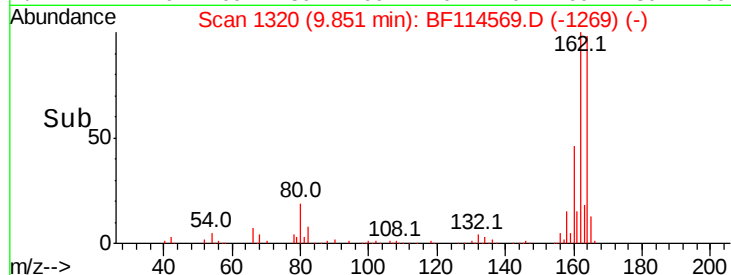
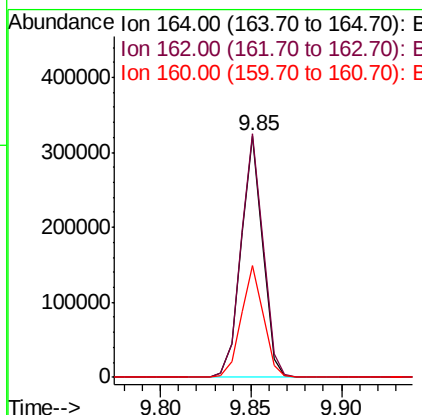
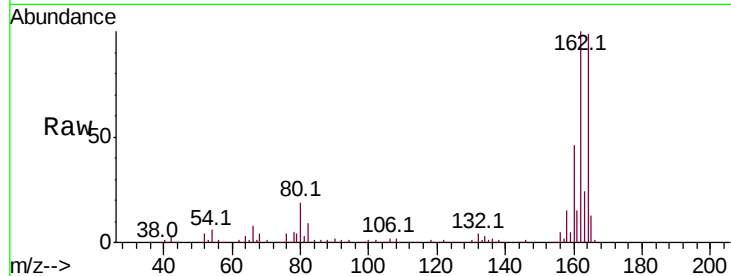




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

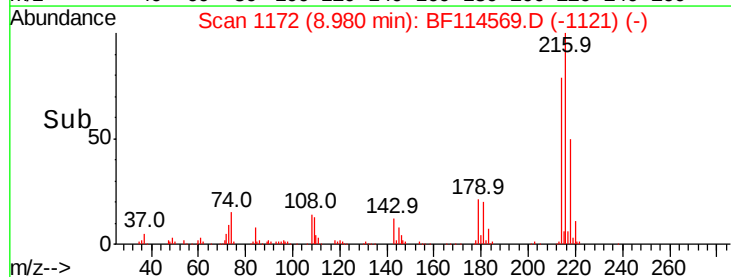
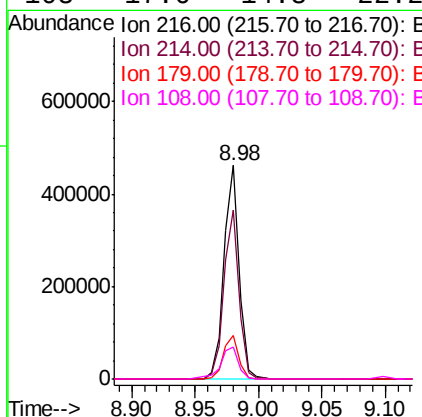
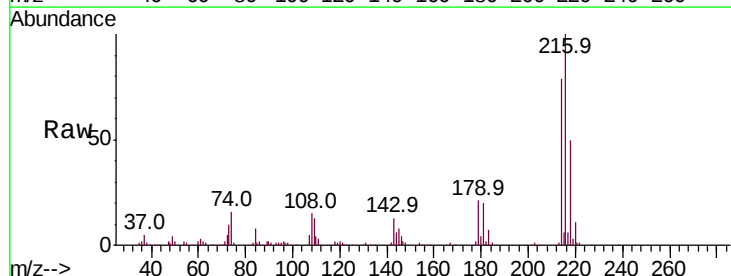
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

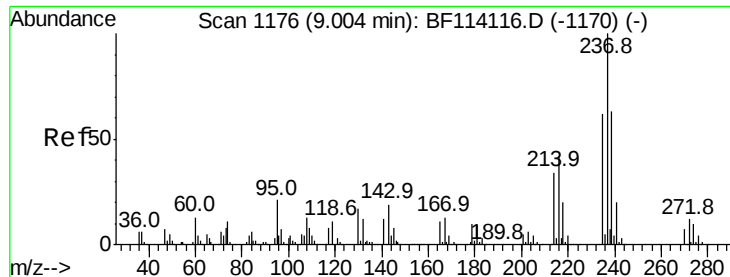
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 80.6  | 120.8 |
| 160     | 46.1  | 36.5  | 54.7  |



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.400 ng  
RT: 8.98 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.5  | 63.9  | 95.9  |
| 179     | 21.0  | 17.0  | 25.6  |
| 108     | 17.6  | 14.8  | 22.2  |





#41

Hexachlorocyclopentadiene

Concen: 33.557 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

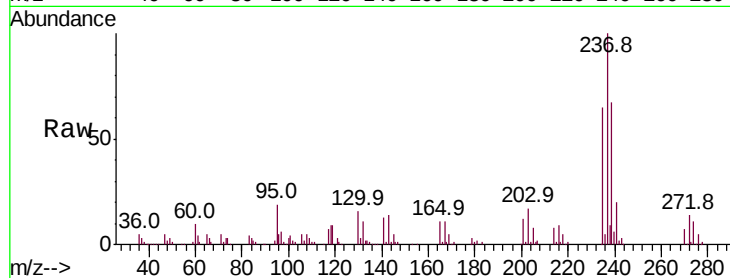
Tot Ion:237 Resp: 116201

Ion Ratio Lower Upper

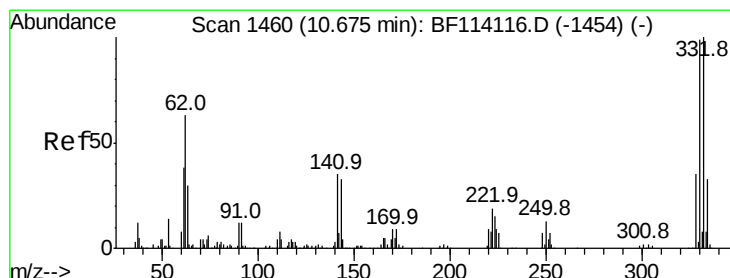
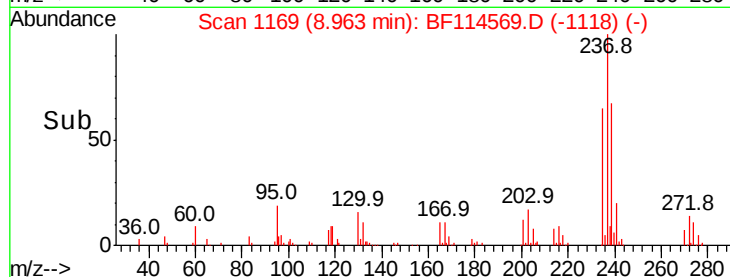
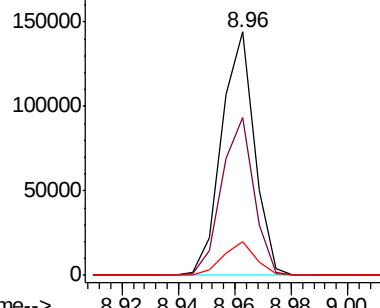
237 100

235 64.9 42.0 82.0

272 13.6 0.0 32.4



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 129.006 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

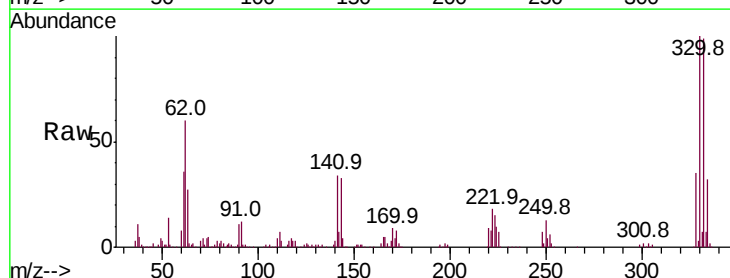
Tgt Ion:330 Resp: 355357

Ion Ratio Lower Upper

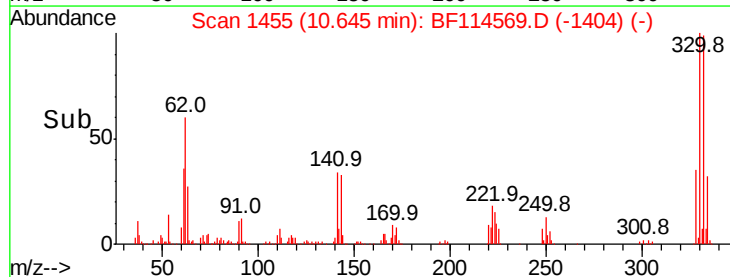
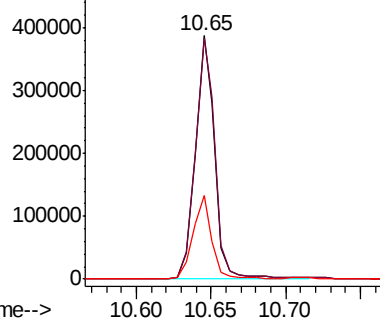
330 100

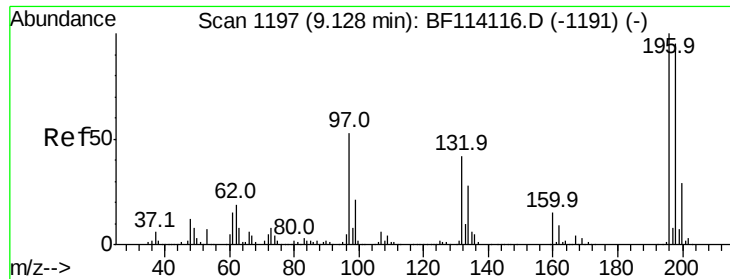
332 102.9 81.4 122.2

141 33.1 26.6 40.0



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

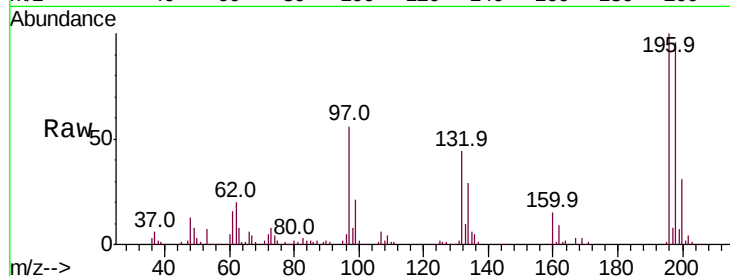




#43  
 2,4,6-Trichlorophenol  
 Concen: 44.756 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEBH-05(33-33.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 95.7  | 75.9  | 113.9 |
| 200     | 31.2  | 23.5  | 35.3  |

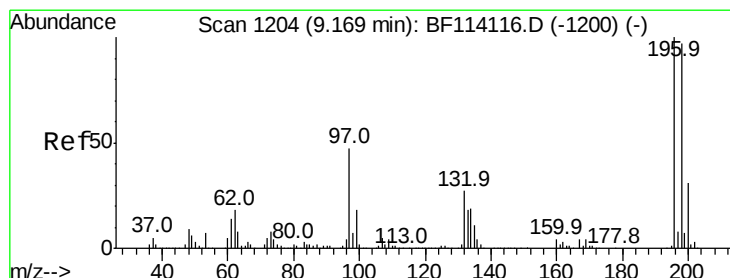
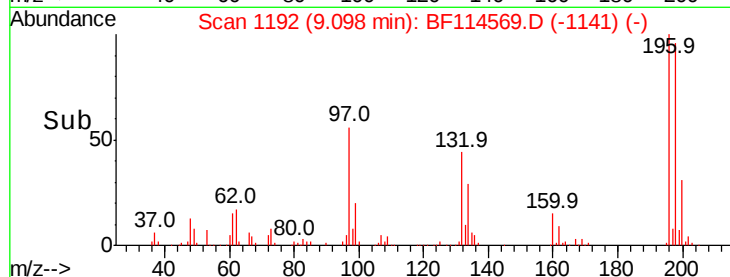
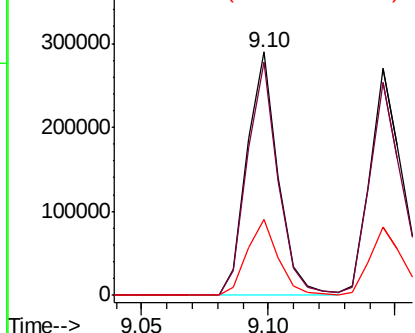


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 46.079 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.00 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.0  | 77.7  | 116.5 |
| 97      | 50.8  | 38.2  | 57.2  |
| 132     | 29.4  | 21.4  | 32.2  |

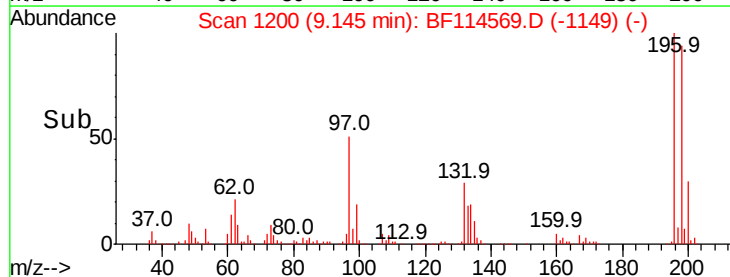
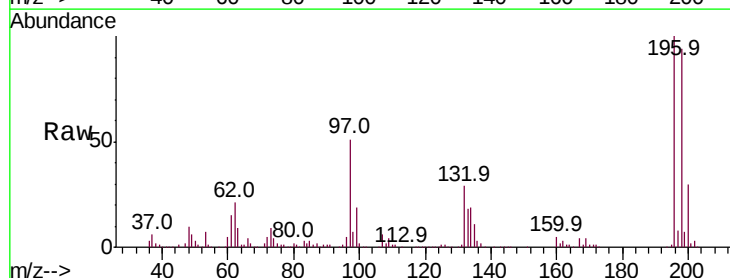
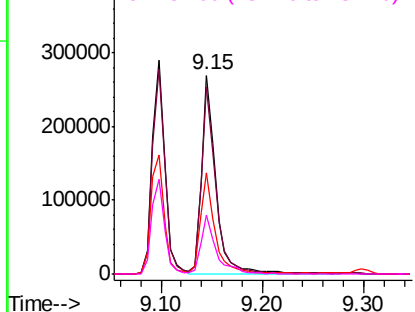
Abundance

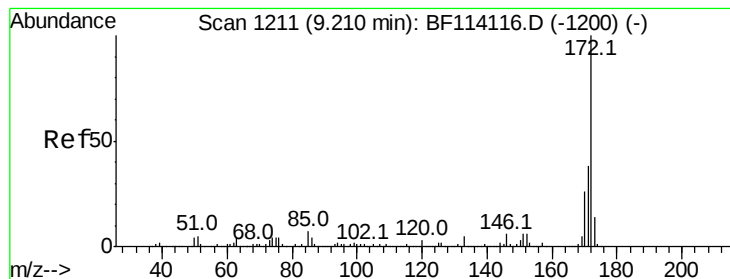
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 85.244 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

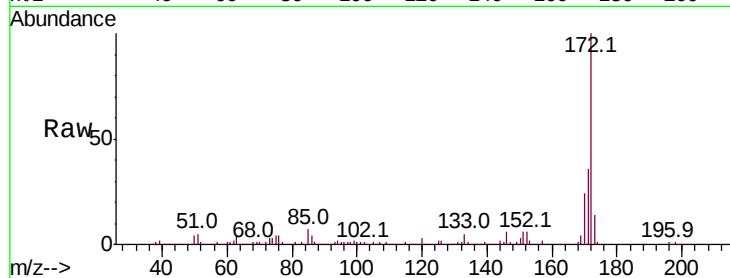
Tot Ion:172 Resp: 1501508

Ion Ratio Lower Upper

172 100

171 35.8 30.7 46.1

170 24.2 20.5 30.7

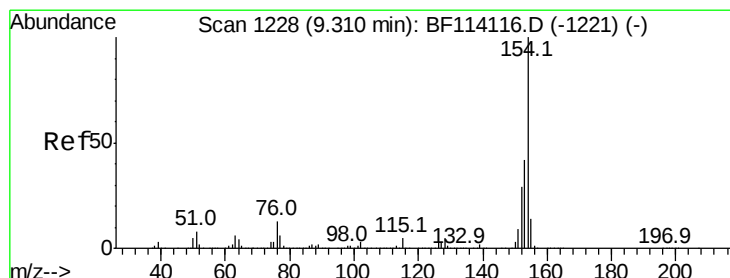
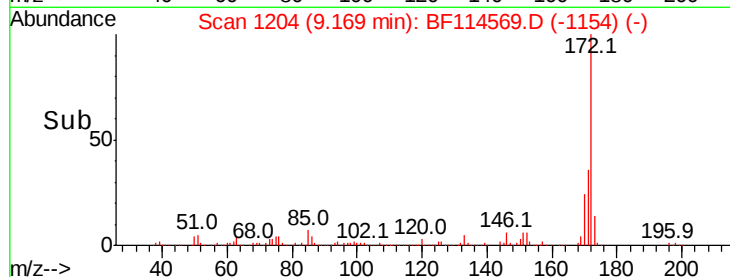
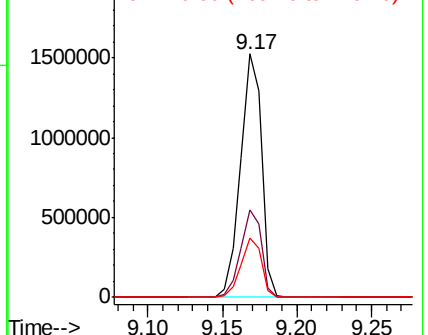


Abundance

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: 47.983 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

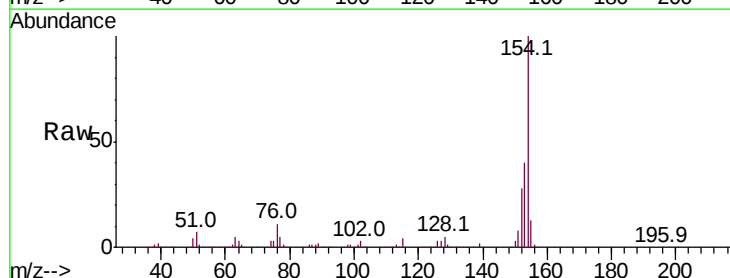
Tgt Ion:154 Resp: 1032830

Ion Ratio Lower Upper

154 100

153 40.1 21.9 61.9

76 11.4 0.0 32.8

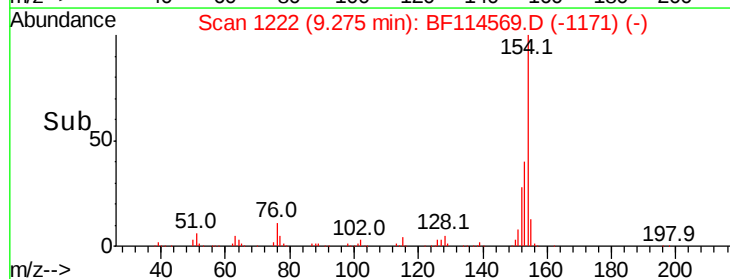
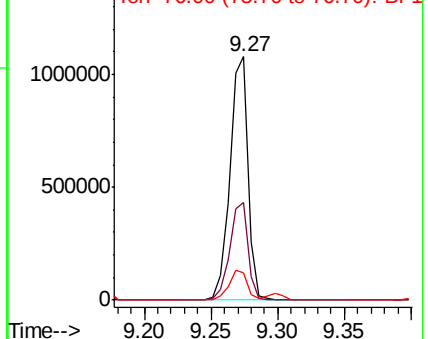


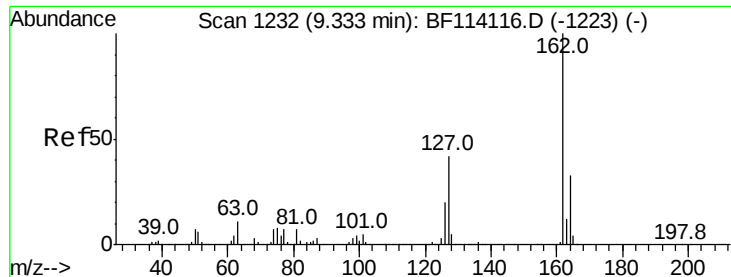
Abundance

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: 45.332 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

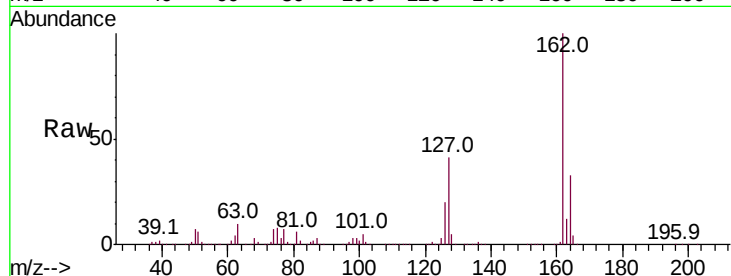
Tot Ion:162 Resp: 785298

Ion Ratio Lower Upper

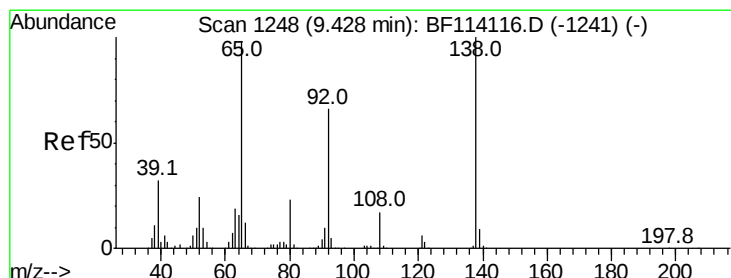
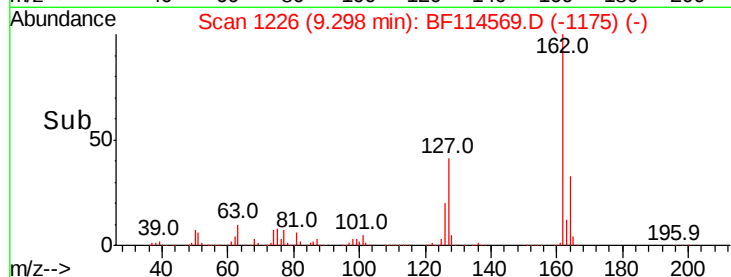
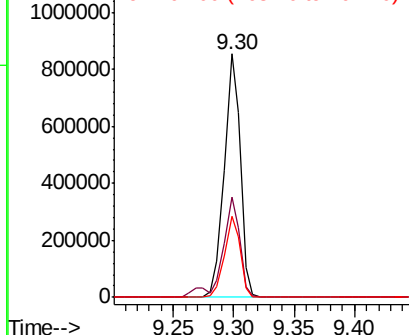
162 100

127 41.1 34.0 51.0

164 33.3 26.7 40.1



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: 44.267 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

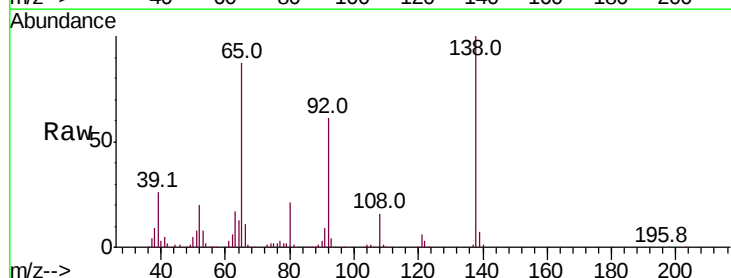
Tgt Ion: 65 Resp: 271960

Ion Ratio Lower Upper

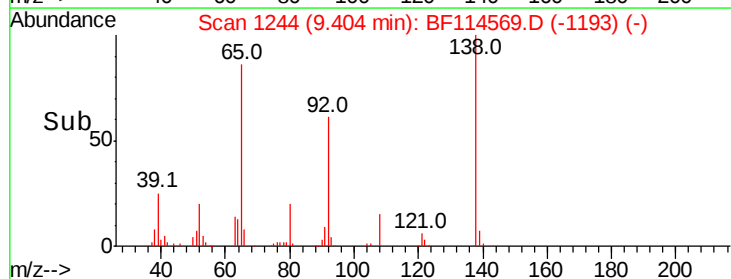
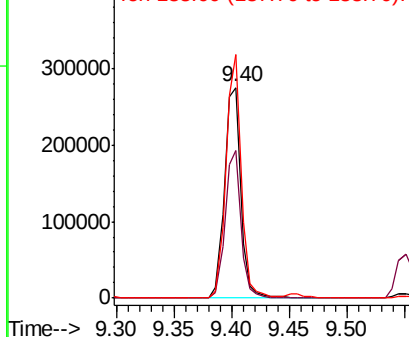
65 100

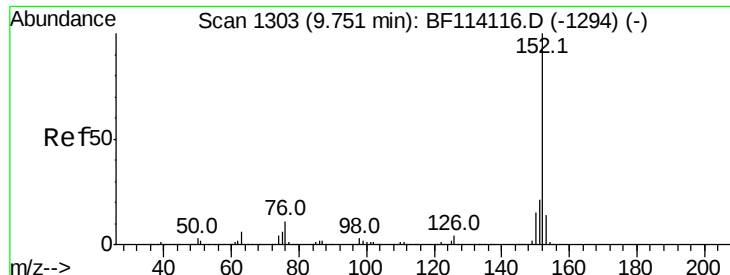
92 70.0 53.9 80.9

138 115.4 81.4 122.0



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: 47.946 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

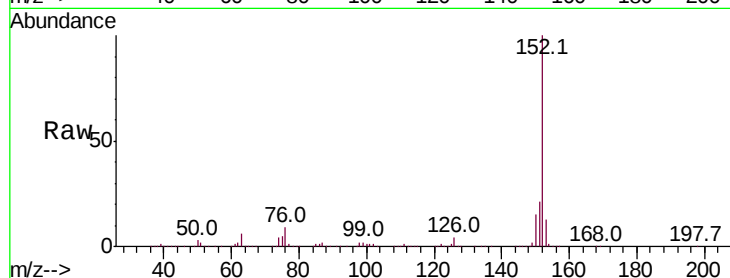
Tot Ion:152 Resp: 1263264

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

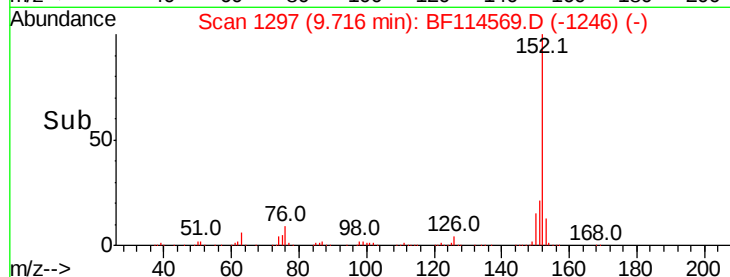
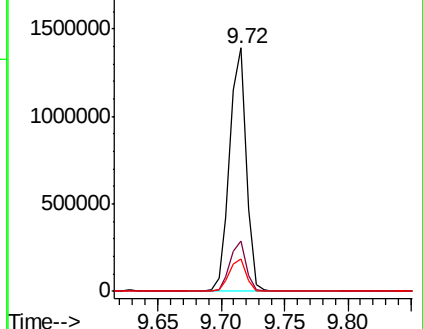
153 13.4 11.4 17.2



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: 58.104 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

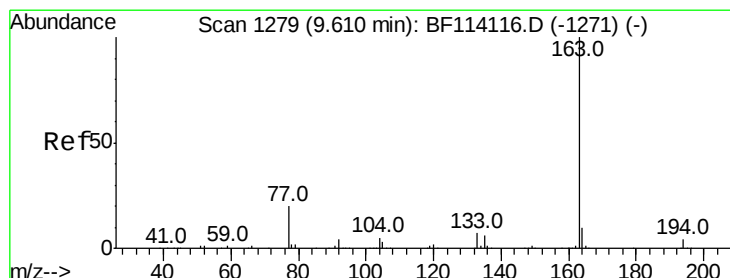
Tgt Ion:163 Resp: 1136490

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

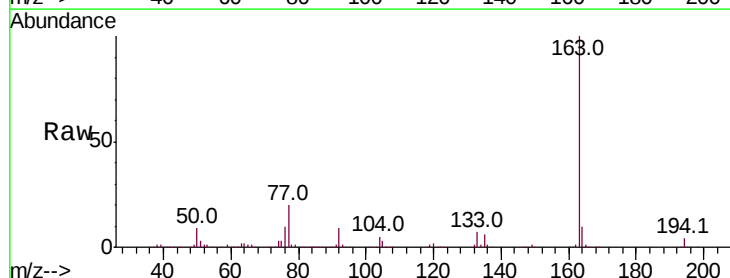
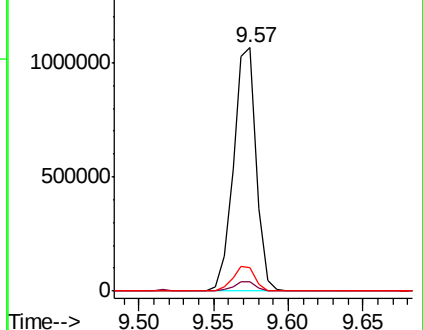
164 9.6 8.2 12.2

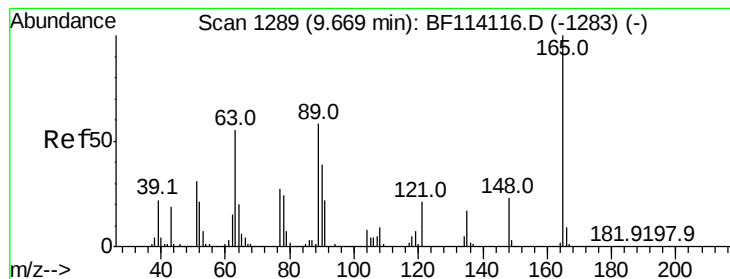


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.262 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

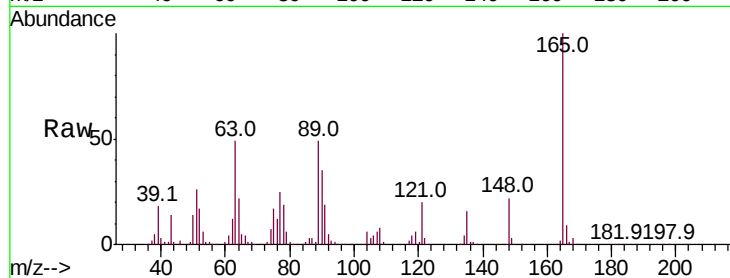
Tot Ion:165 Resp: 209376

Ion Ratio Lower Upper

165 100

63 49.4 50.2 75.4#

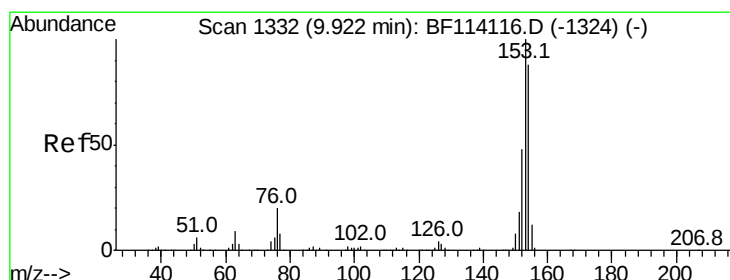
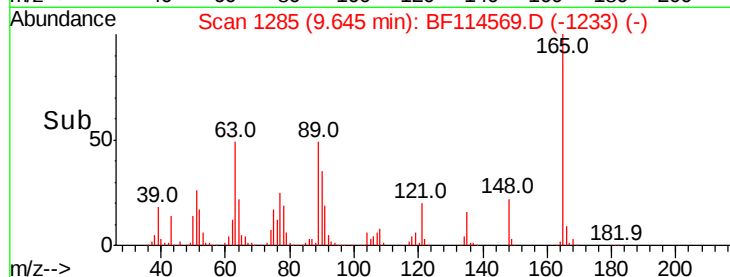
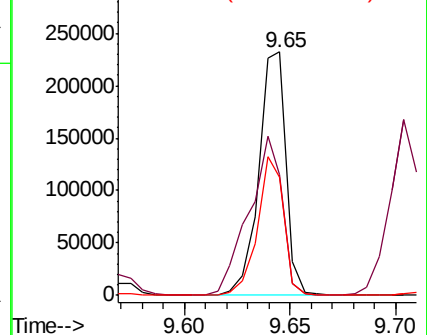
89 48.6 46.6 69.8



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: 45.748 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

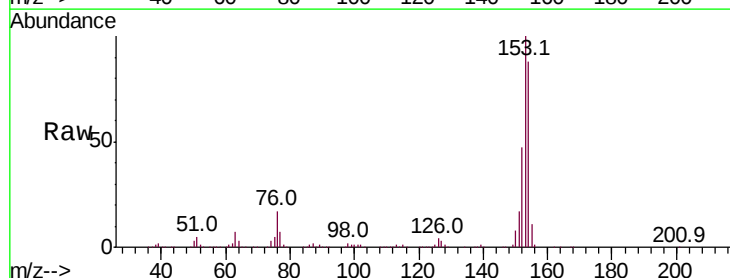
Tgt Ion:154 Resp: 739655

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

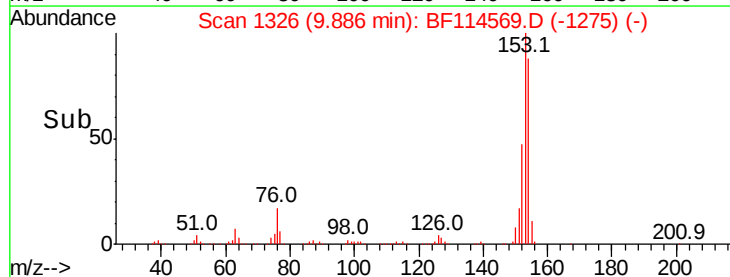
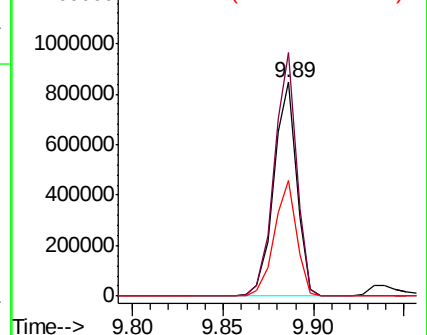
152 54.0 43.4 65.2

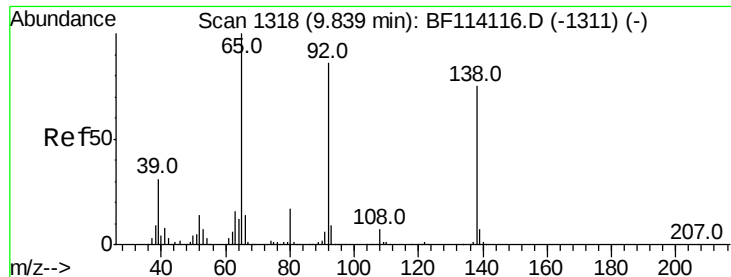


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

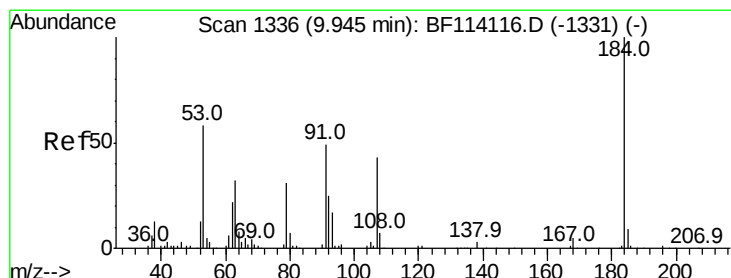
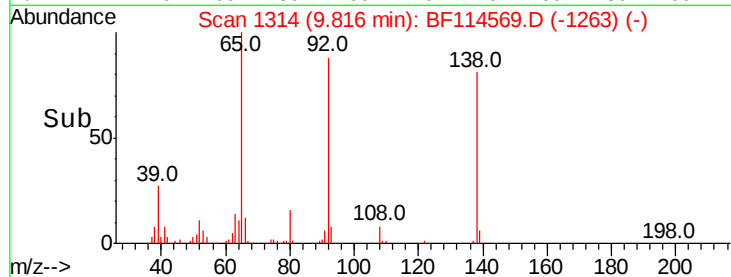
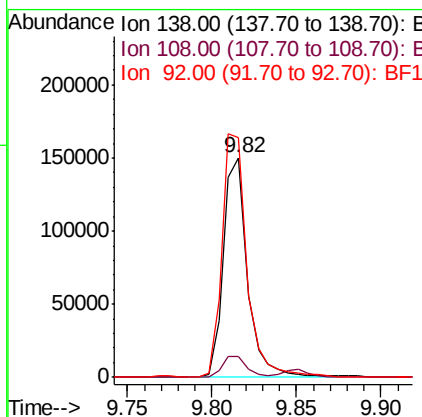
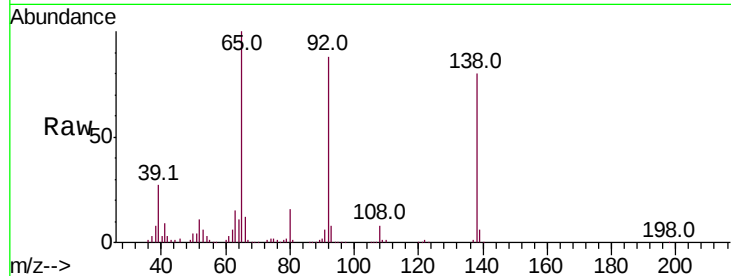




#53  
3-Nitroaniline  
Concen: 27.870 ng  
RT: 9.82 min Scan# 1314  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

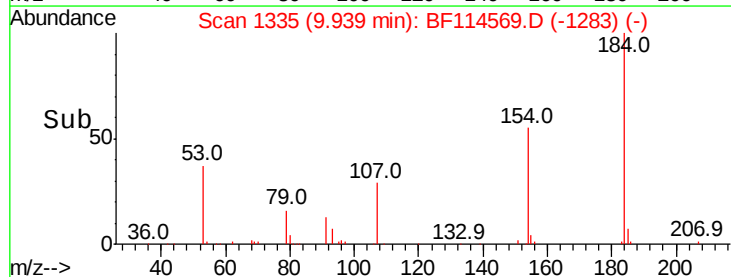
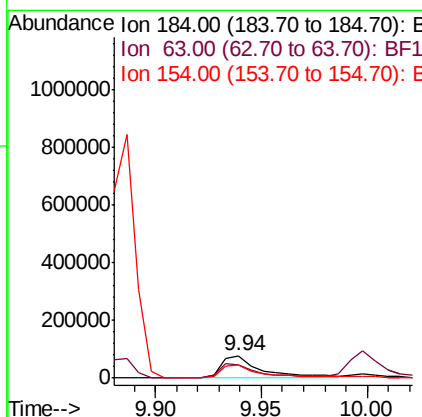
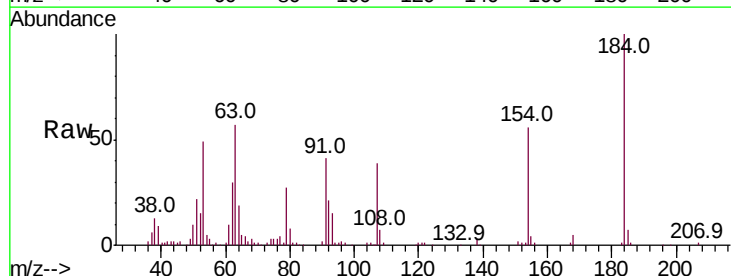
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

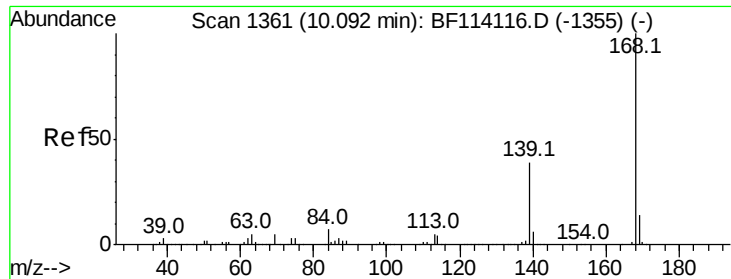
Tot Ion:138 Resp: 150089  
Ion Ratio Lower Upper  
138 100  
108 9.8 7.8 11.6  
92 109.1 91.2 136.8



#54  
2,4-Dinitrophenol  
Concen: 50.576 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:184 Resp: 104418  
Ion Ratio Lower Upper  
184 100  
63 57.2 55.6 83.4  
154 55.6 46.0 69.0





#55

Dibenzofuran

Concen: 45.115 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

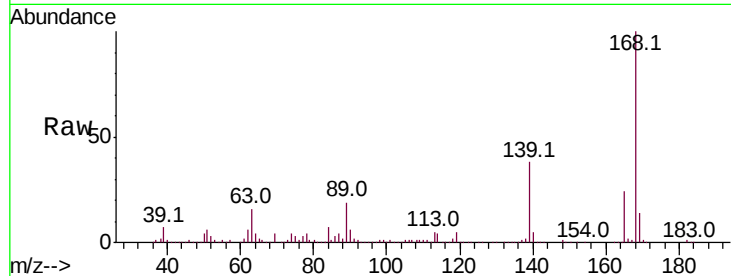
Tot Ion:168 Resp: 1069593

Ion Ratio Lower Upper

168 100

139 37.9 31.1 46.7

169 14.0 11.4 17.0

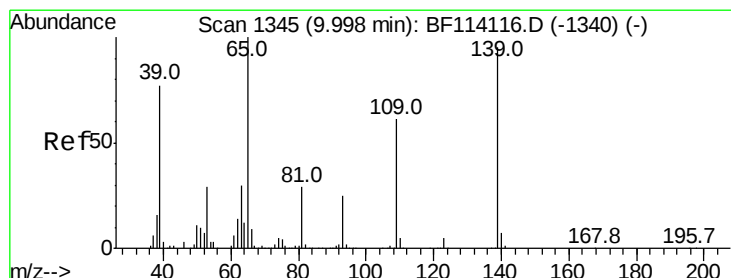
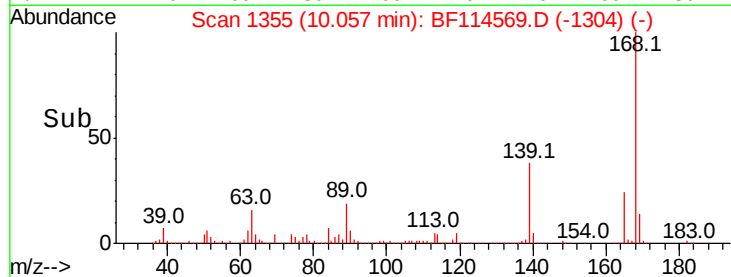
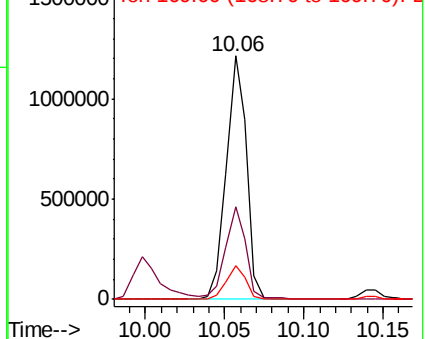


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 64.721 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

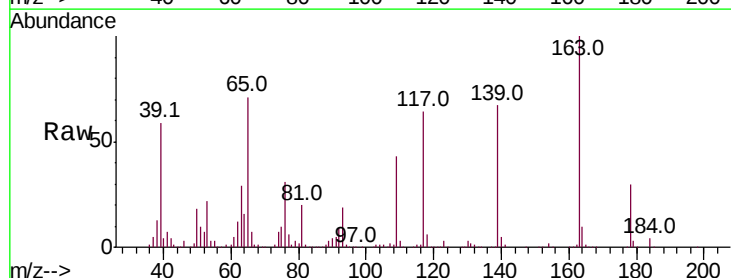
Tgt Ion:139 Resp: 246485

Ion Ratio Lower Upper

139 100

109 64.3 43.9 83.9

65 106.5 85.7 125.7

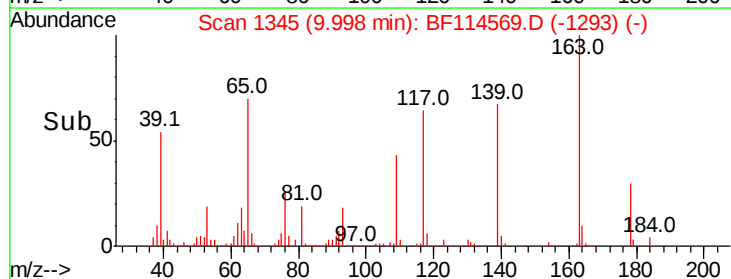
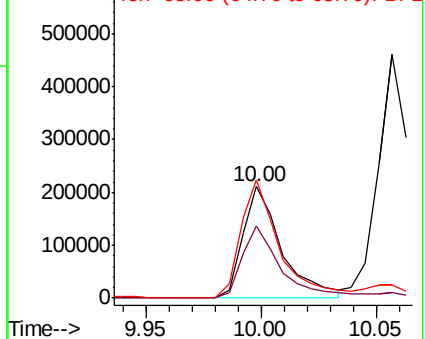


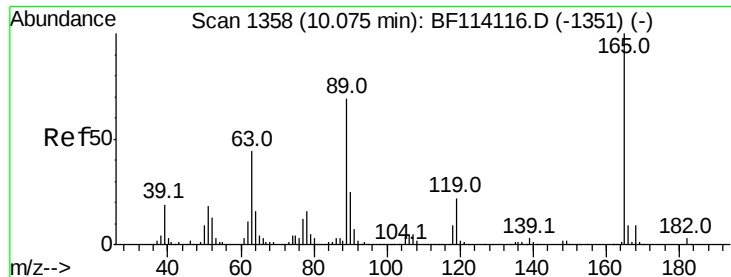
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

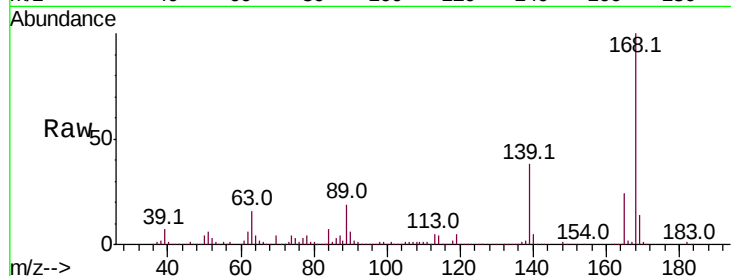




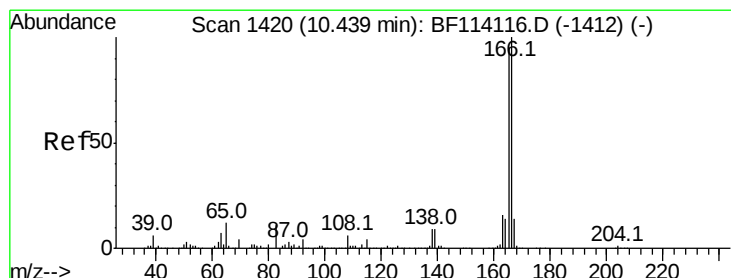
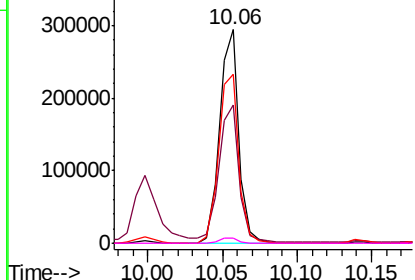
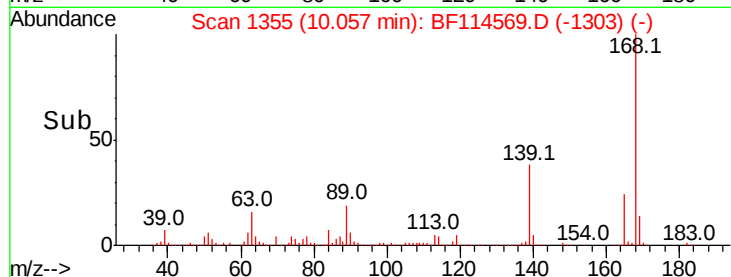
#57  
2,4-Dinitrotoluene  
Concen: 45.061 ng  
RT: 10.06 min Scan# 1355  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 64.5  | 35.5  | 53.3# |
| 89      | 78.9  | 55.2  | 82.8  |
| 182     | 2.6   | 2.2   | 3.2   |

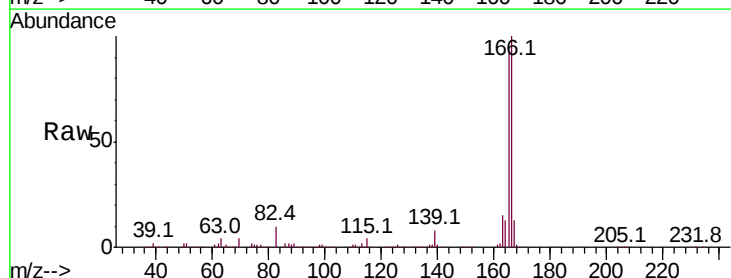


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

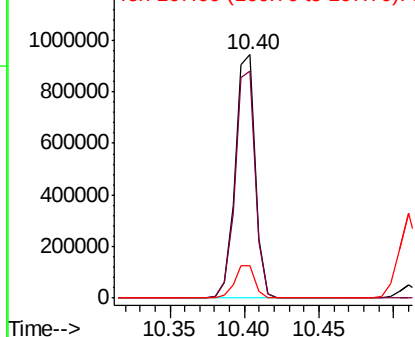
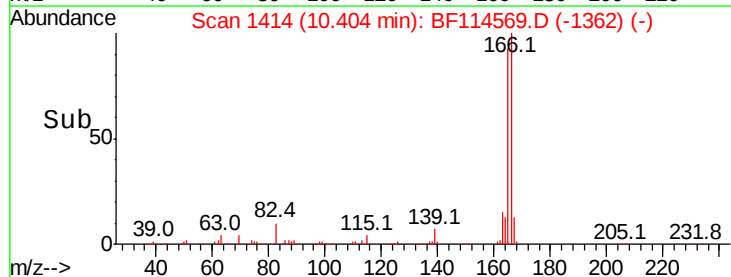


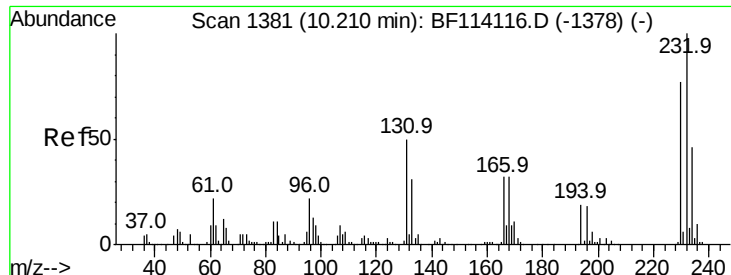
#58  
Fluorene  
Concen: 48.827 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 93.2  | 76.1  | 114.1 |
| 167     | 13.3  | 11.1  | 16.7  |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

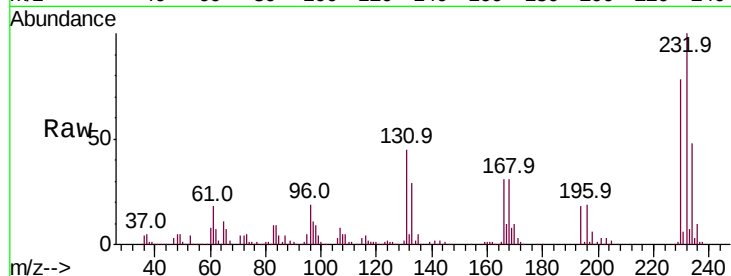




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.051 ng  
 RT: 10.19 min Scan# 1377  
 Delta R.T. -0.00 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEBH-05(33-33.5)MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 46.0  | 35.6  | 53.4  |
| 130     | 2.3   | 1.6   | 2.4   |
| 166     | 29.3  | 24.1  | 36.1  |



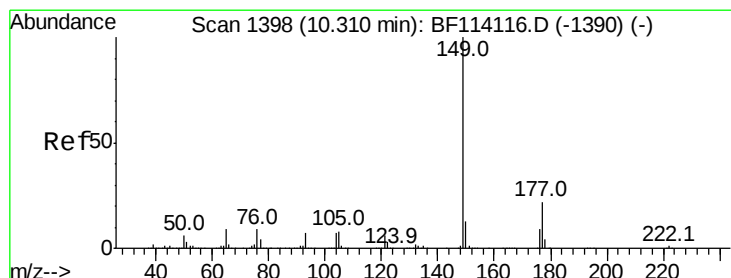
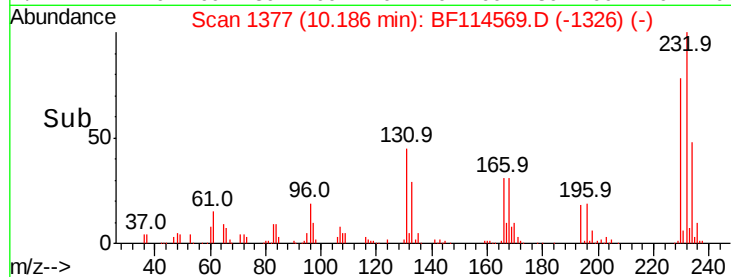
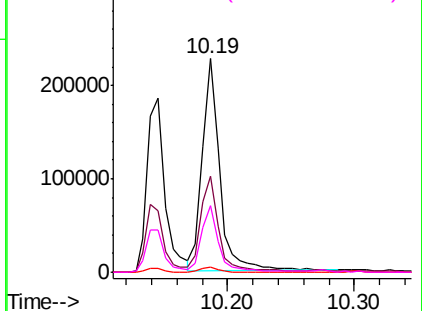
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

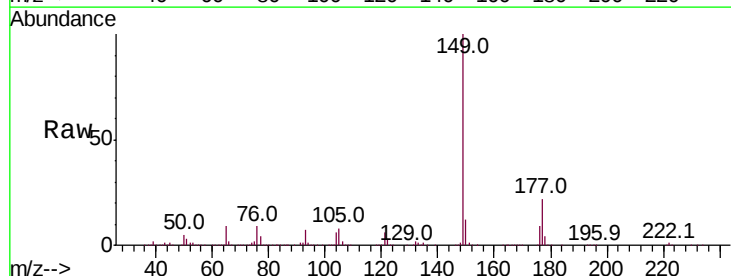
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 48.589 ng  
 RT: 10.27 min Scan# 1392  
 Delta R.T. 0.01 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 17.8  | 26.6  |
| 150     | 12.5  | 10.2  | 15.2  |

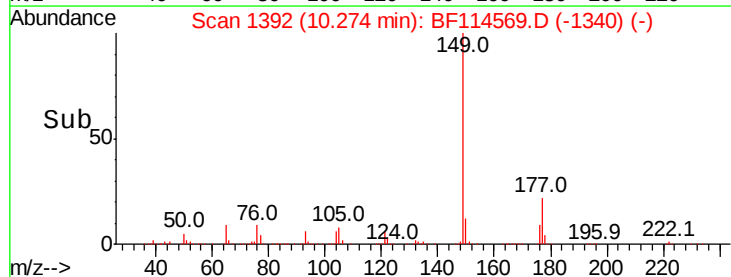
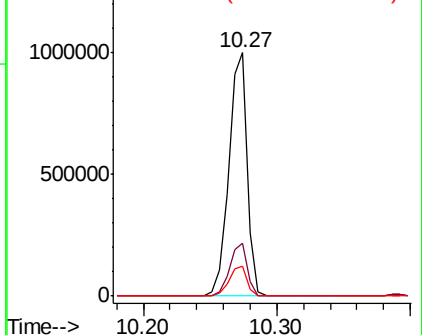


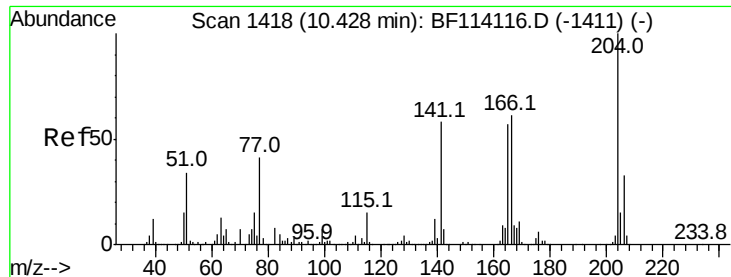
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

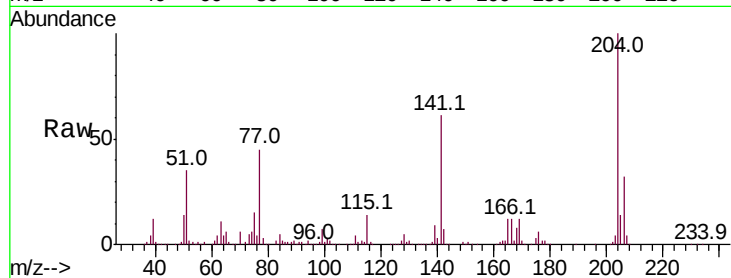




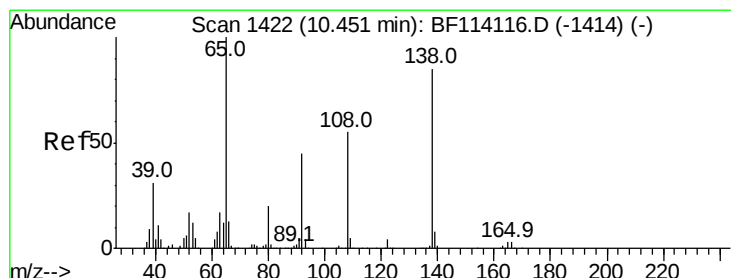
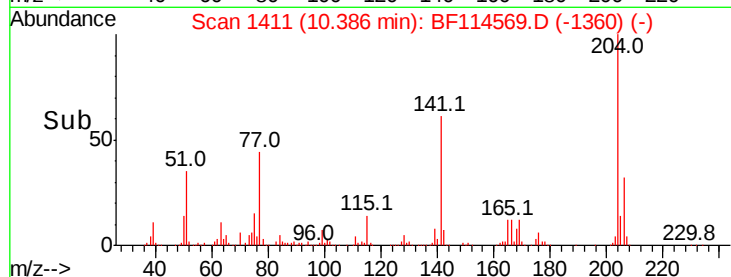
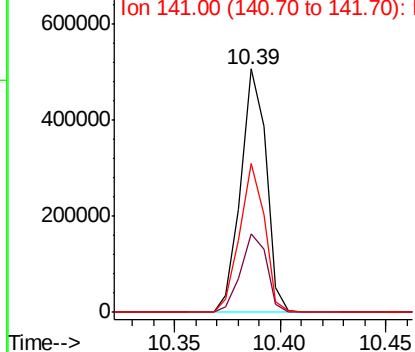
#61  
4-Chlorophenyl-phenylether  
Concen: 47.164 ng  
RT: 10.39 min Scan# 1411  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:204 Resp: 424197  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.6 39.8  
141 61.4 46.4 69.6

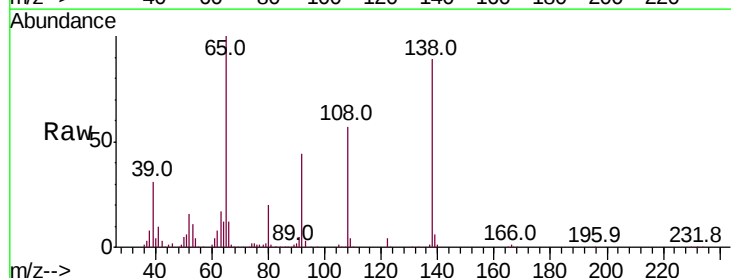


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

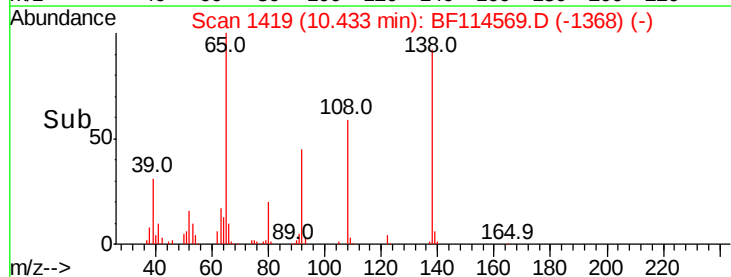
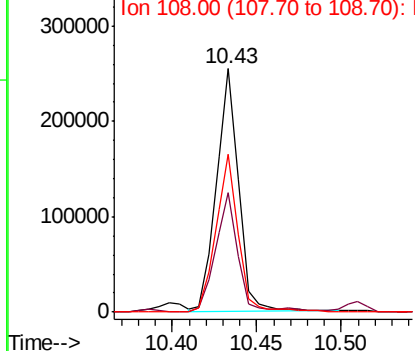


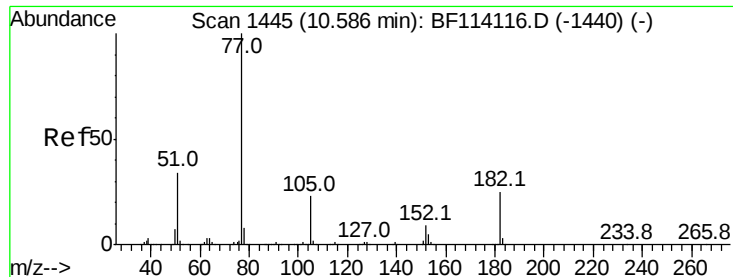
#62  
4-Nitroaniline  
Concen: 41.326 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:138 Resp: 233862  
Ion Ratio Lower Upper  
138 100  
92 49.3 33.0 73.0  
108 64.7 44.9 84.9



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: 46.582 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

Tot Ion: 77 Resp: 896078

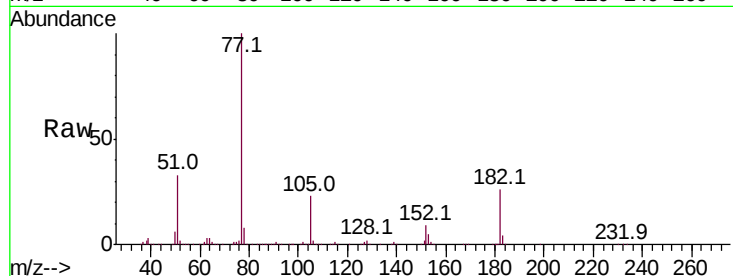
Ion Ratio Lower Upper

77 100

182 26.1 4.7 44.7

105 23.1 2.9 42.9

51 33.1 14.6 54.6

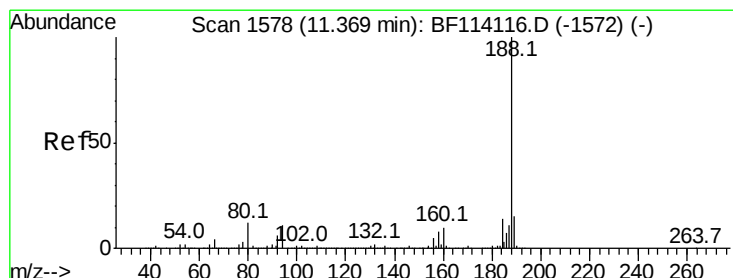
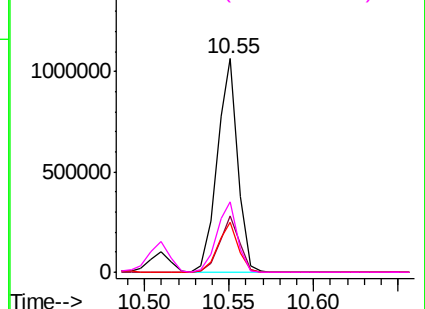
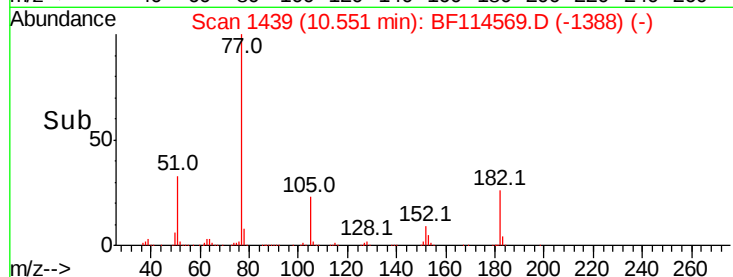


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

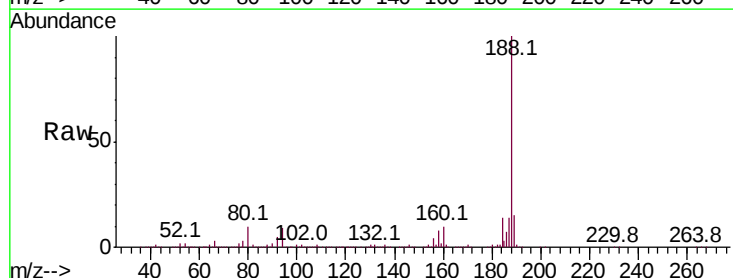
Tgt Ion: 188 Resp: 547003

Ion Ratio Lower Upper

188 100

94 9.1 8.4 12.6

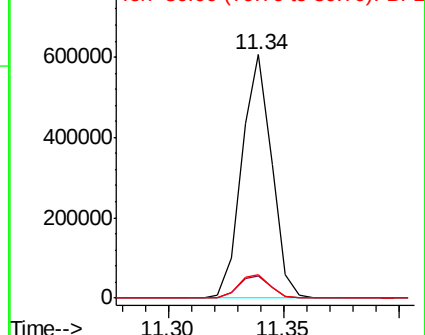
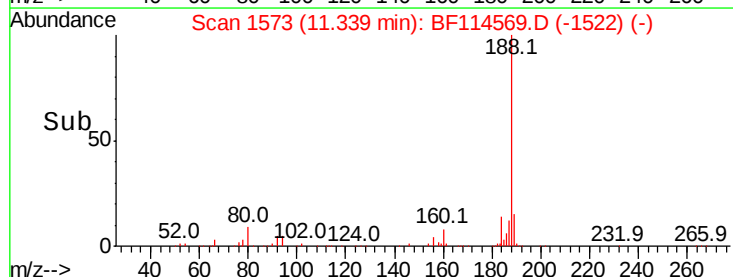
80 9.9 9.2 13.8

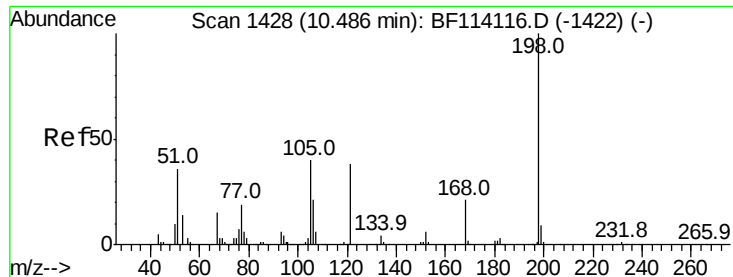


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

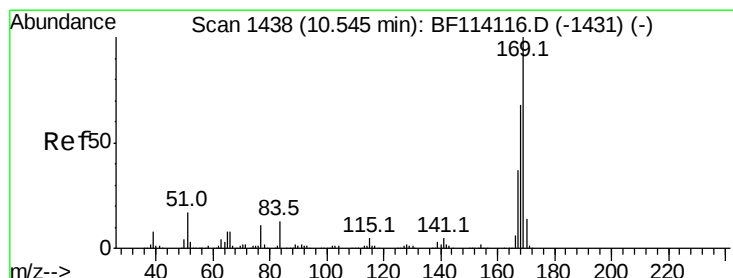
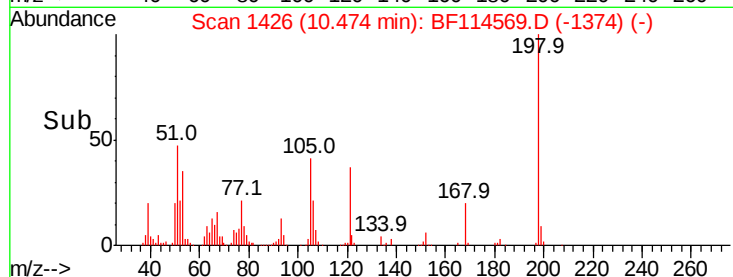
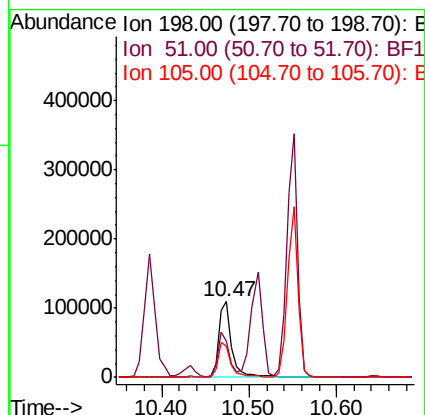
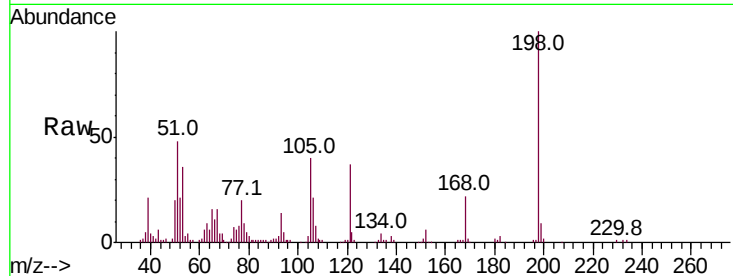




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.672 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

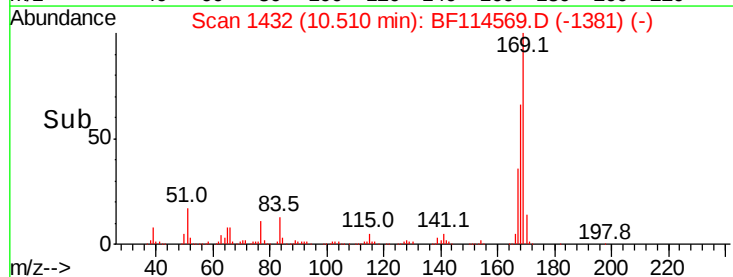
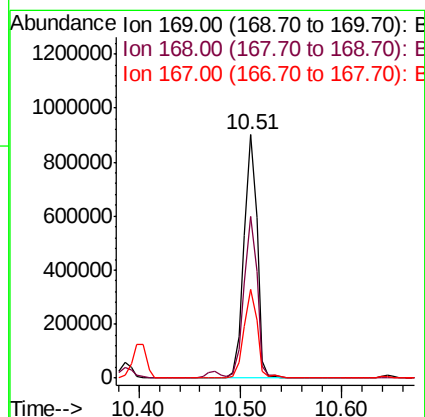
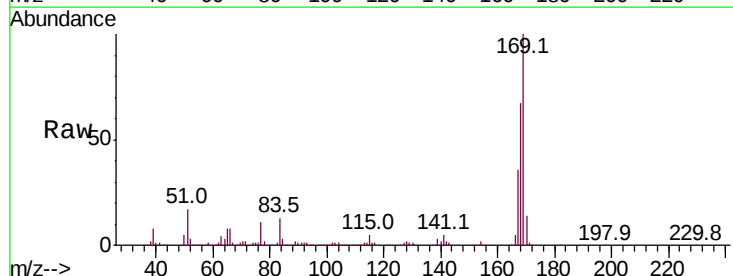
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

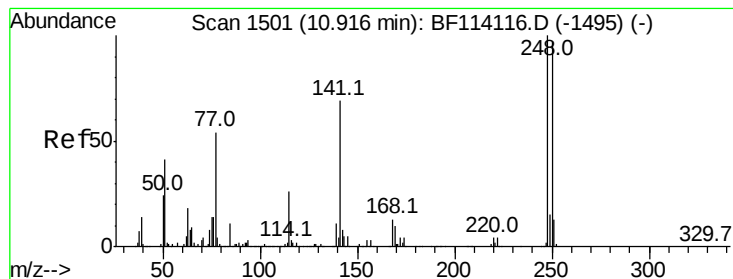
Tot Ion:198 Resp: 112159  
Ion Ratio Lower Upper  
198 100  
51 47.5 28.0 68.0  
105 40.5 21.1 61.1



#66  
n-Nitrosodiphenylamine  
Concen: 48.675 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:169 Resp: 808081  
Ion Ratio Lower Upper  
169 100  
168 66.7 54.2 81.2  
167 36.4 29.8 44.8





#67

4-Bromophenyl-phenylether

Concen: 45.017 ng

RT: 10.87 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

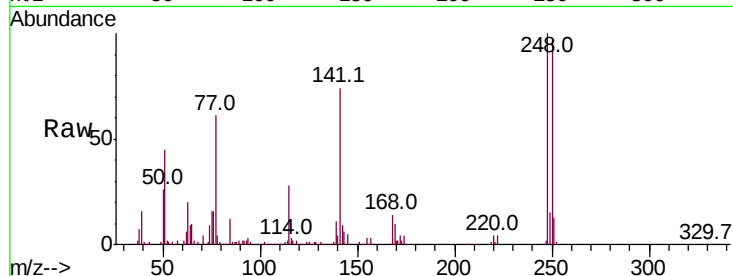
Tot Ion:248 Resp: 271125

Ion Ratio Lower Upper

248 100

250 96.9 77.4 116.2

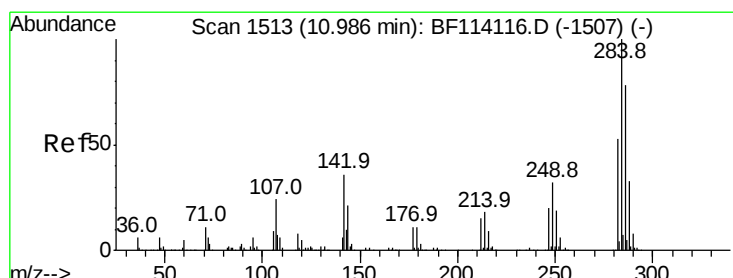
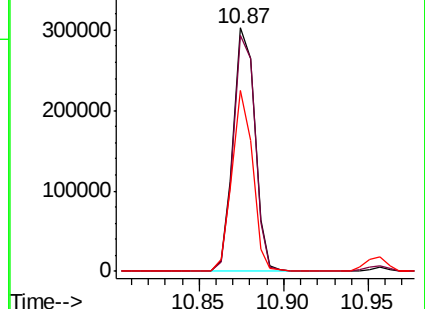
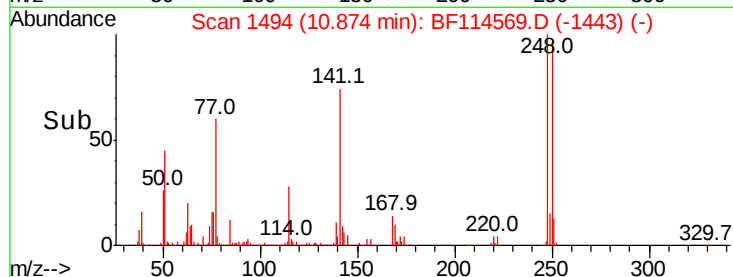
141 74.1 55.6 83.4



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: 43.665 ng

RT: 10.96 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

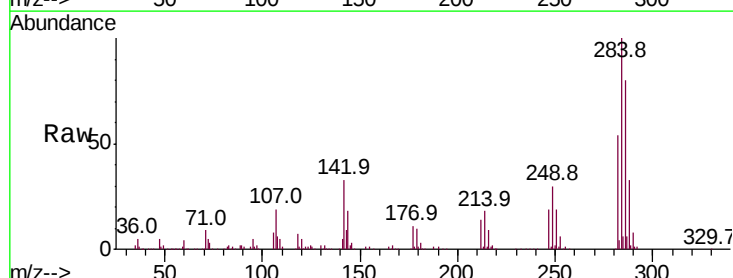
Tgt Ion:284 Resp: 290932

Ion Ratio Lower Upper

284 100

142 32.7 28.4 42.6

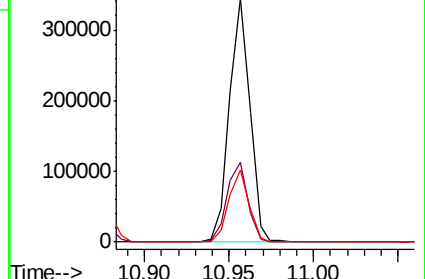
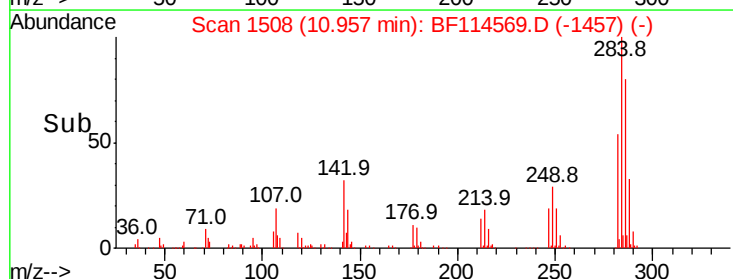
249 29.8 25.2 37.8

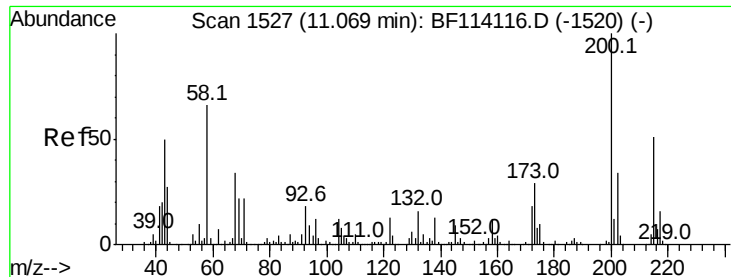


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

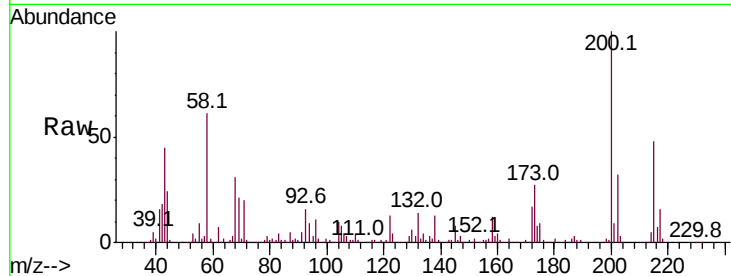




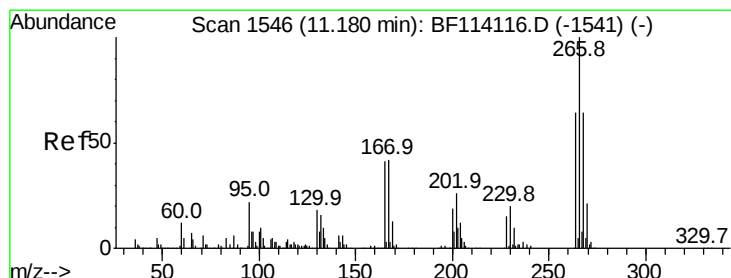
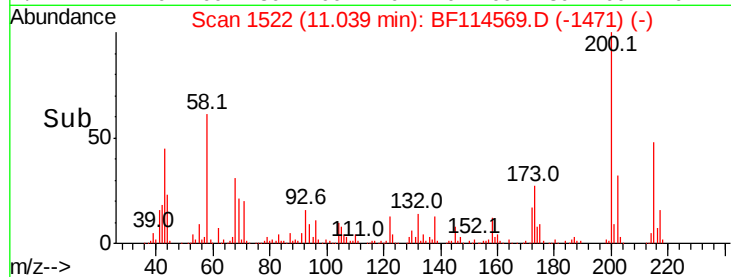
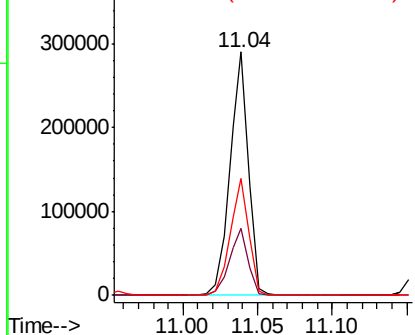
#69  
Atrazine  
Concen: 49.289 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:200 Resp: 254646  
Ion Ratio Lower Upper  
200 100  
173 27.5 8.9 48.9  
215 48.0 30.7 70.7

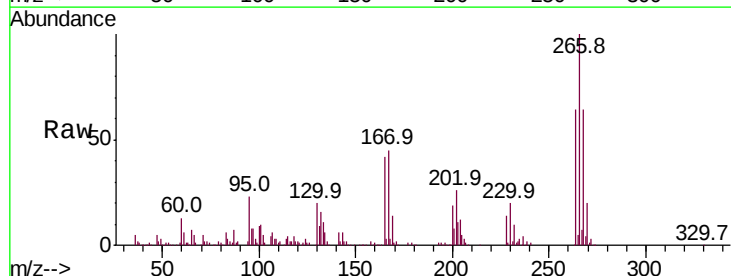


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

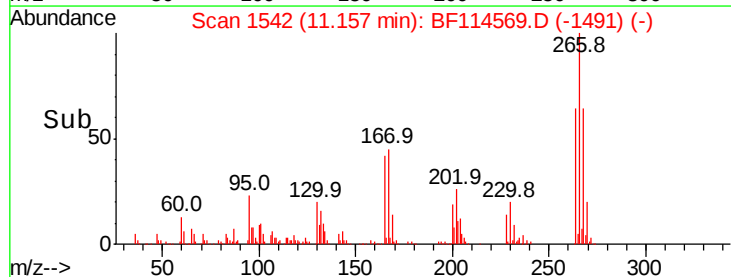
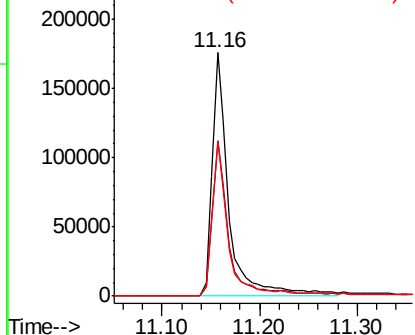


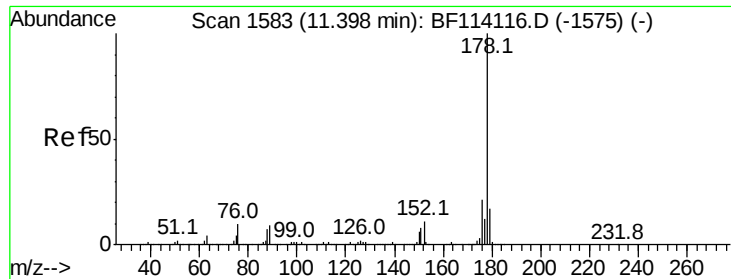
#70  
Pentachlorophenol  
Concen: 66.128 ng  
RT: 11.16 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:266 Resp: 208861  
Ion Ratio Lower Upper  
266 100  
268 63.8 51.1 76.7  
264 64.0 51.1 76.7



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

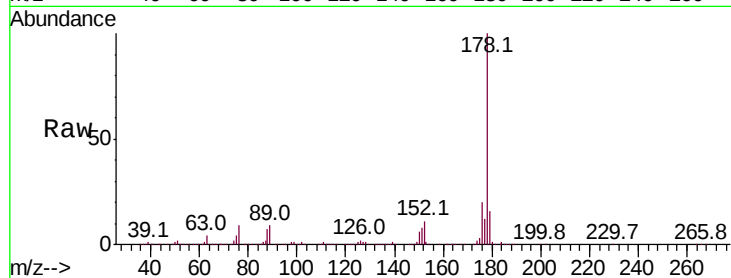




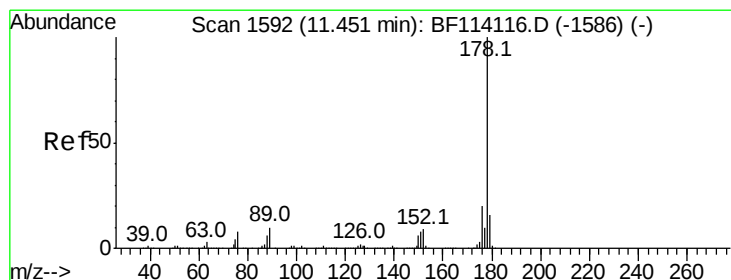
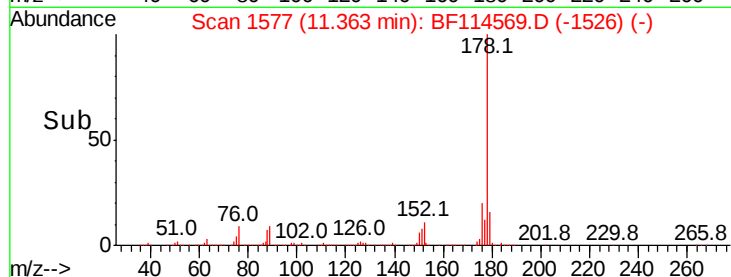
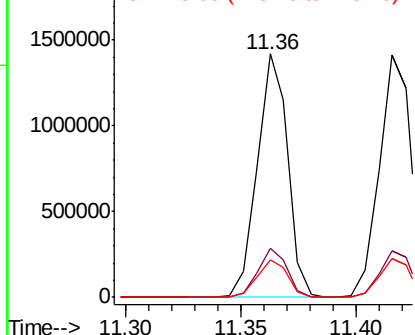
#71  
Phenanthrene  
Concen: 48.909 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:178 Resp: 1301586  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.4 24.6  
179 15.6 13.2 19.8

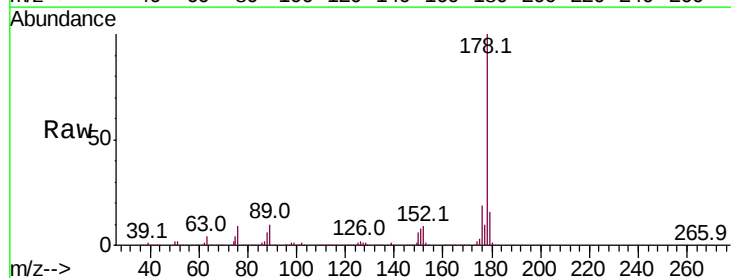


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

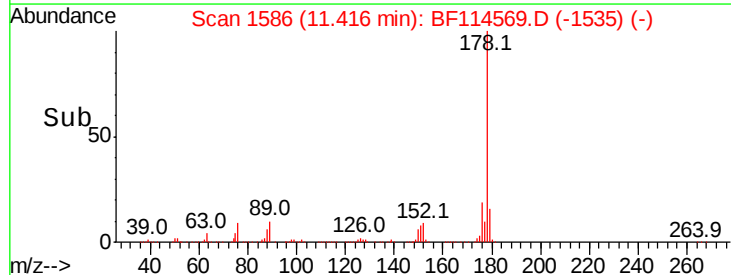
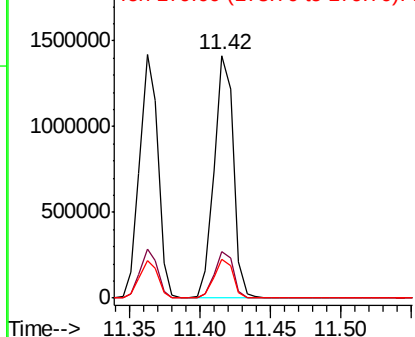


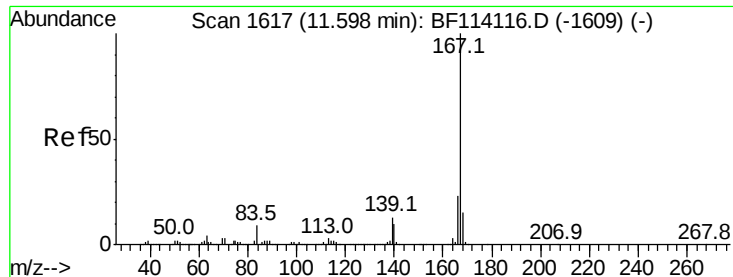
#72  
Anthracene  
Concen: 50.262 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:178 Resp: 1343501  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.8 23.8  
179 16.0 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

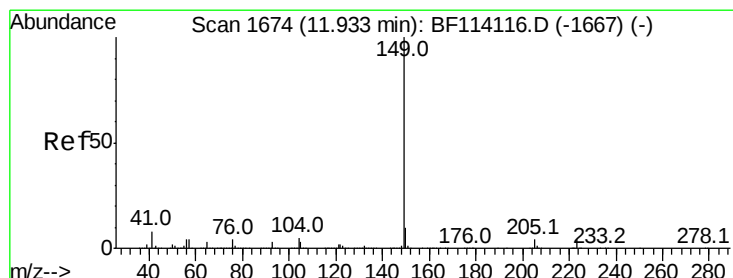
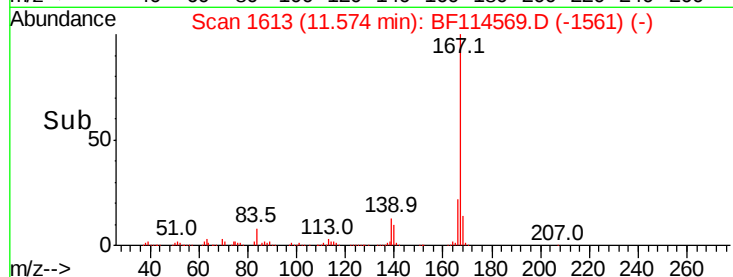
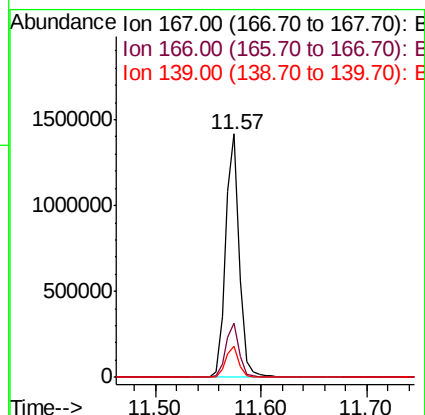
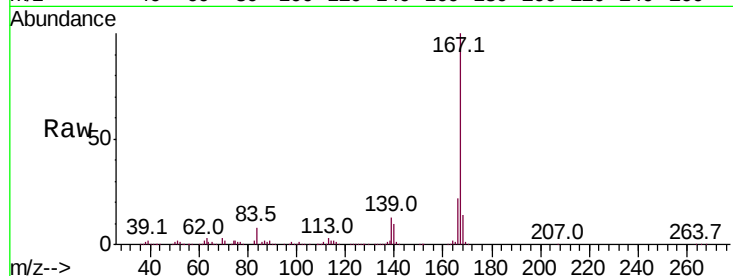




#73  
 Carbazole  
 Concen: 50.274 ng  
 RT: 11.57 min Scan# 1613  
 Delta R.T. 0.01 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

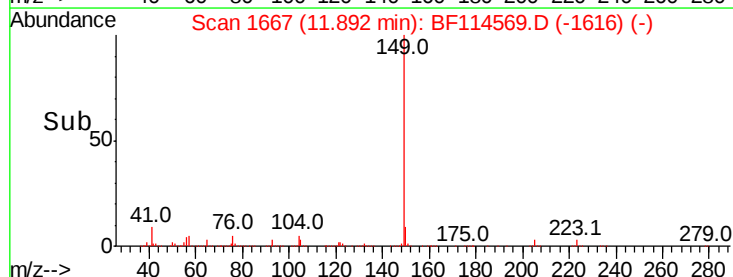
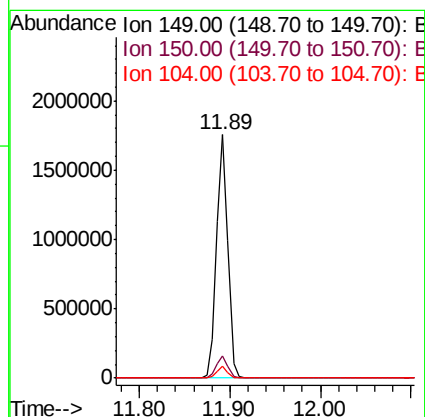
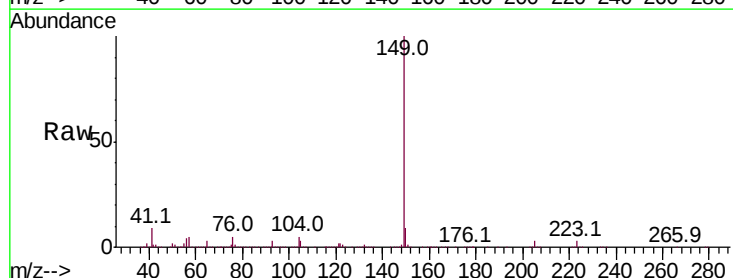
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEBH-05(33-33.5)MSD

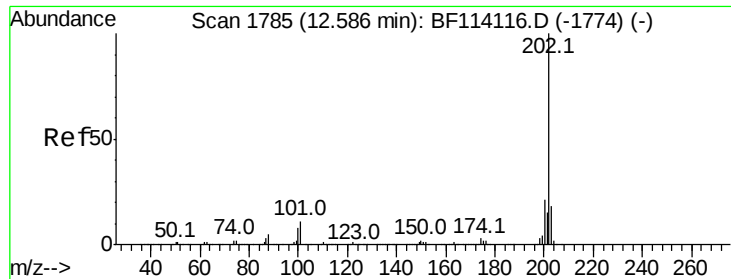
Tot Ion:167 Resp: 1281455  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 18.2 27.2  
 139 12.8 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 51.900 ng  
 RT: 11.89 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: BF114569.D  
 Acq: 24 May 2019 14:49

Tgt Ion:149 Resp: 1524077  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.7 11.5  
 104 4.7 3.6 5.4





#75

Fluoranthene

Concen: 50.141 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

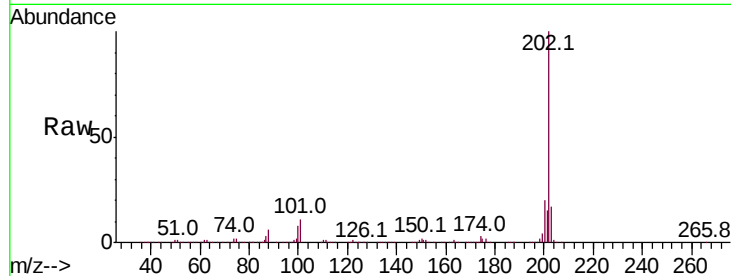
Tot Ion:202 Resp: 1436948

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.0

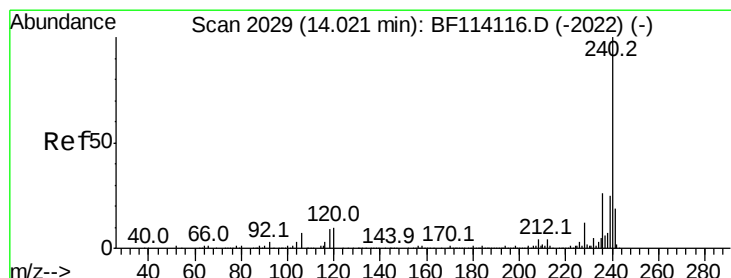
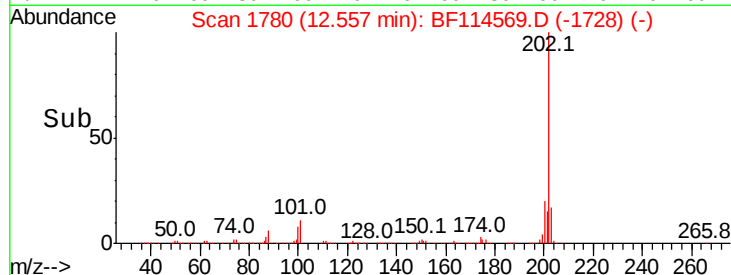
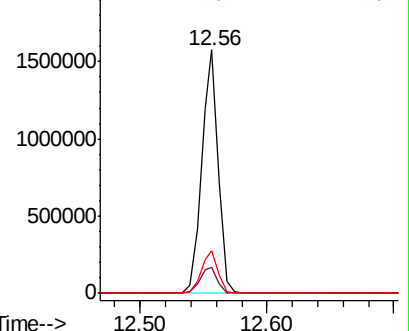
203 17.5 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

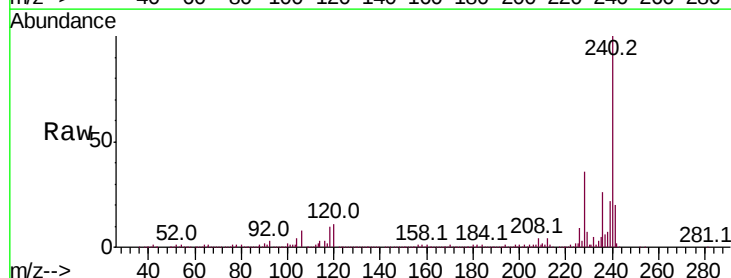
Tgt Ion:240 Resp: 392042

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

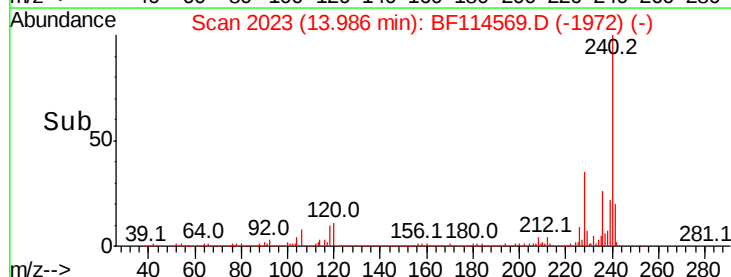
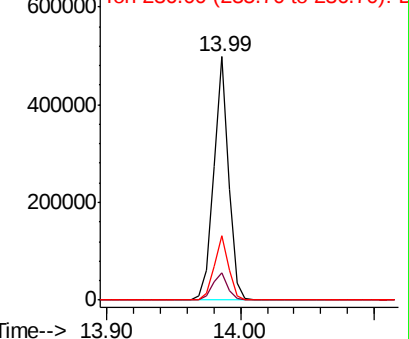
236 26.3 20.8 31.2

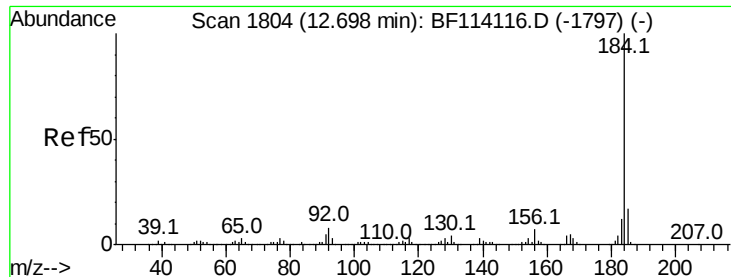


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.147 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

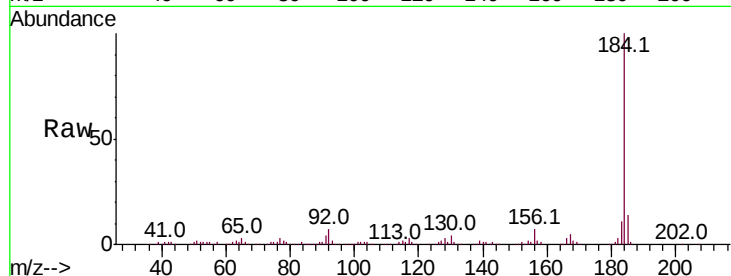
Tot Ion:184 Resp: 284151

Ion Ratio Lower Upper

184 100

185 14.1 13.6 20.4

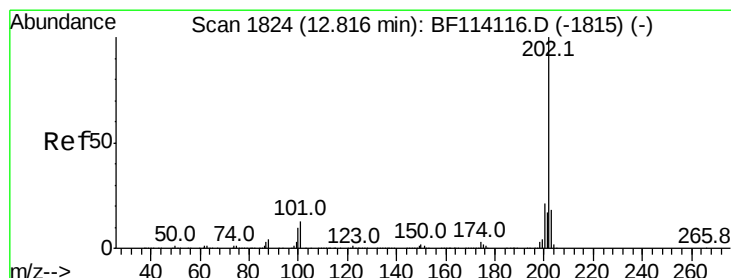
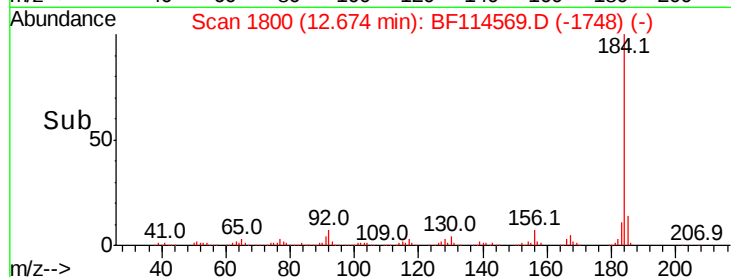
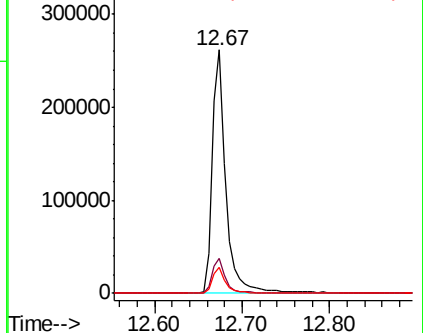
183 10.8 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.588 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

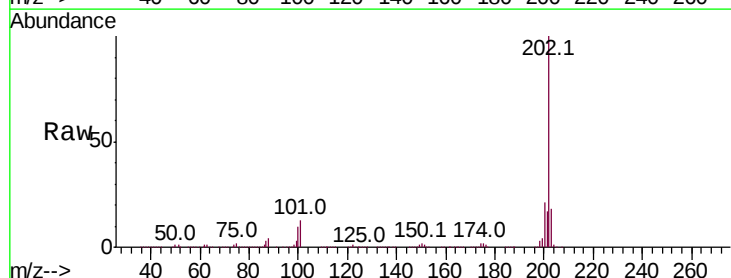
Tgt Ion:202 Resp: 1437742

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

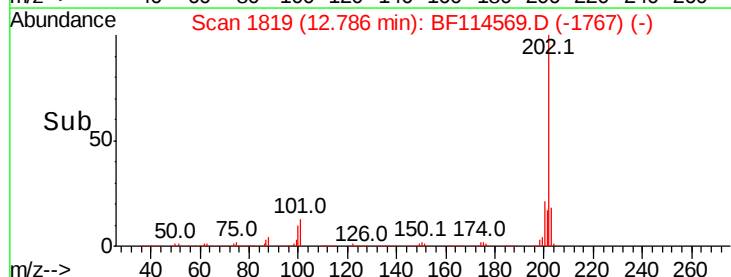
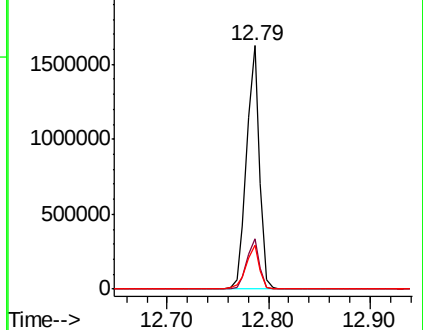
203 17.8 14.5 21.7

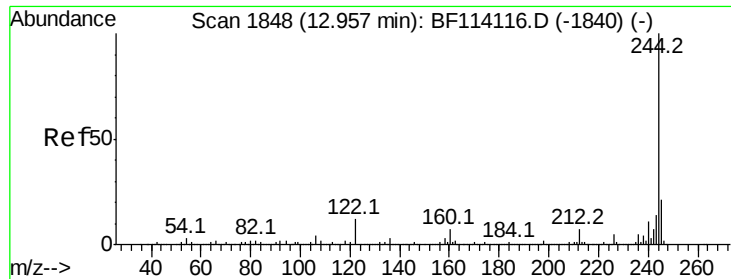


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.302 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

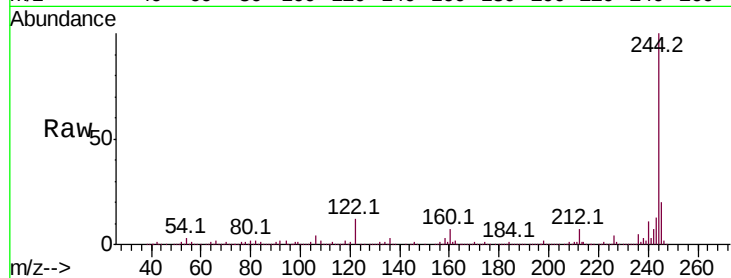
Tot Ion:244 Resp: 1546205

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

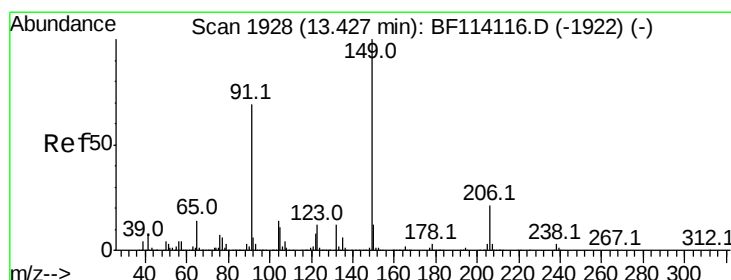
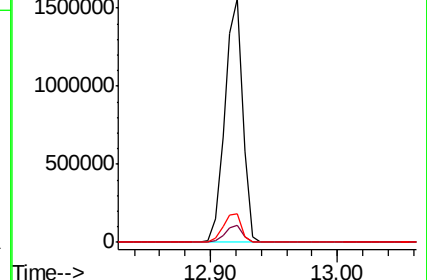
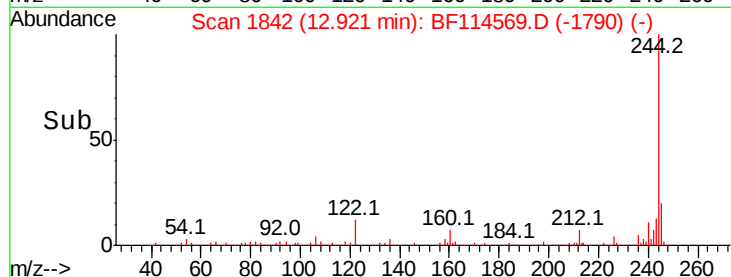
122 11.8 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 50.452 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

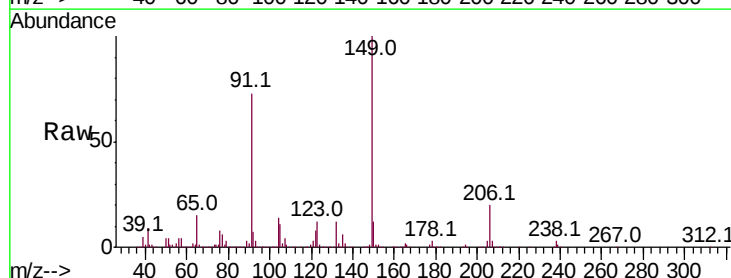
Tgt Ion:149 Resp: 669728

Ion Ratio Lower Upper

149 100

91 72.5 55.0 82.4

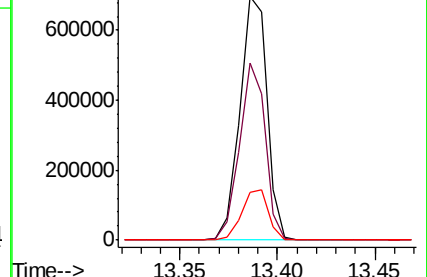
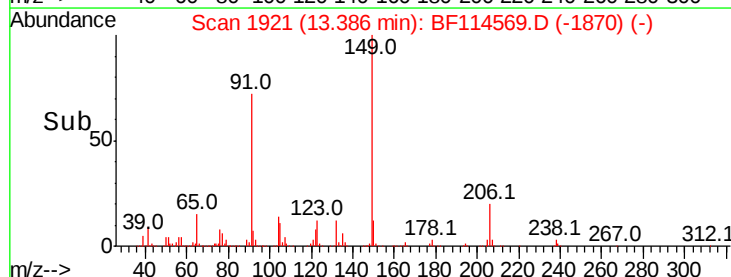
206 19.8 16.9 25.3

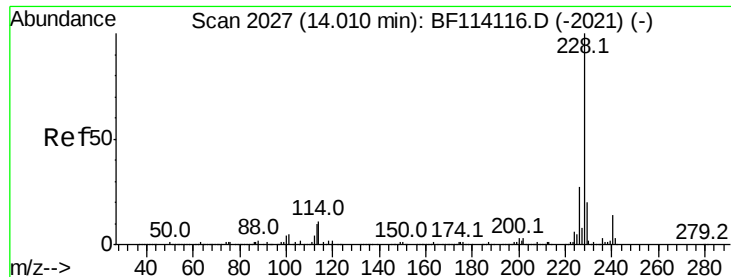


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.772 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

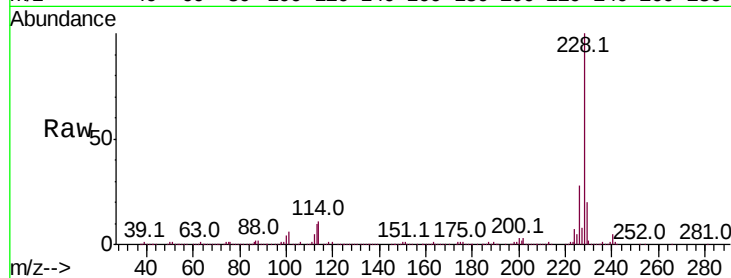
Tot Ion:228 Resp: 1185996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.6  | 22.2  | 33.2  |
| 229 | 19.9  | 16.4  | 24.6  |

228 100

226 27.6 22.2 33.2

229 19.9 16.4 24.6

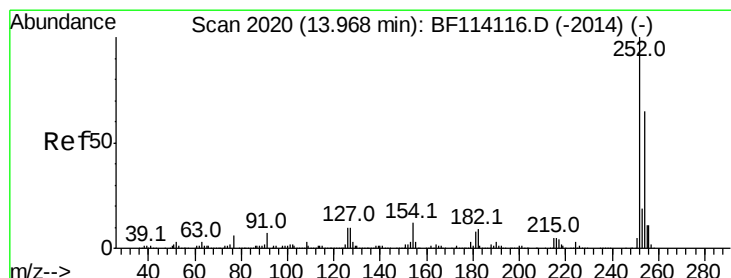
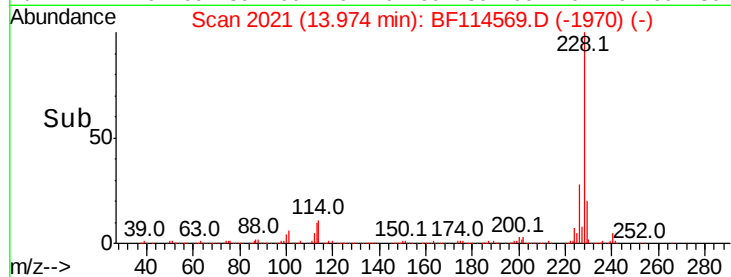
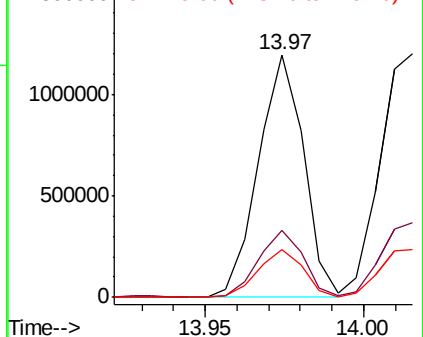


Abundance

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: 34.403 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

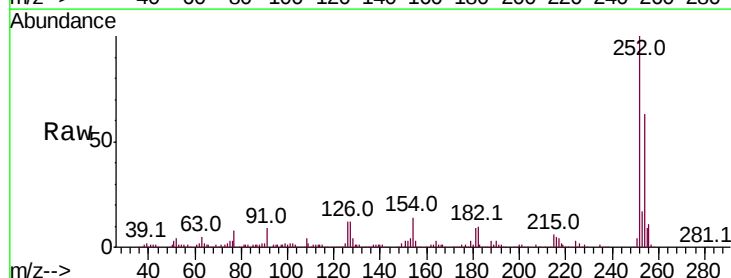
Tgt Ion:252 Resp: 338412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.4  | 51.9  | 77.9  |
| 126 | 12.0  | 7.9   | 11.9  |

252 100

254 63.4 51.9 77.9

126 12.0 7.9 11.9

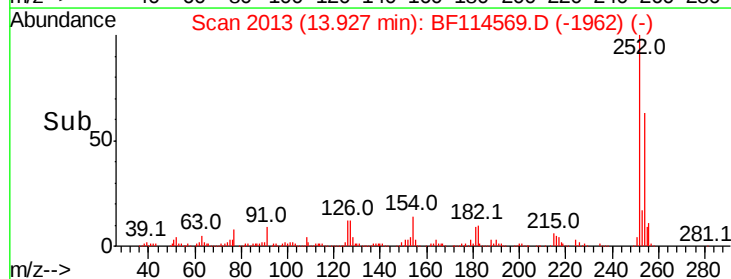
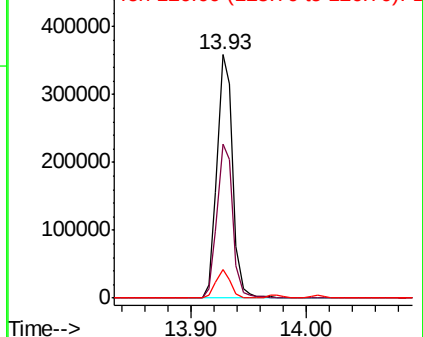


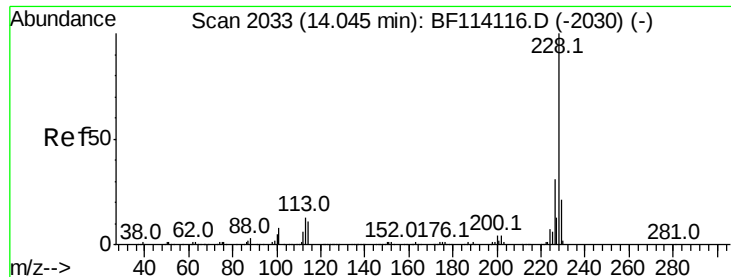
Abundance

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: 46.971 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

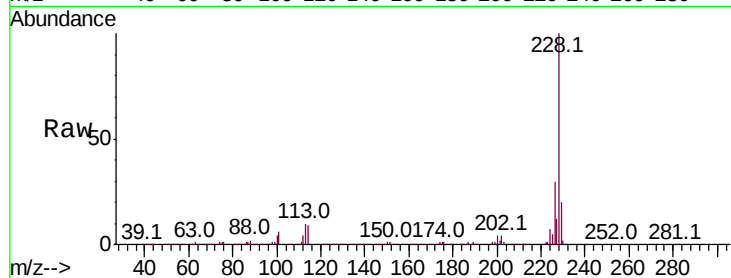
Tot Ion:228 Resp: 1167564

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

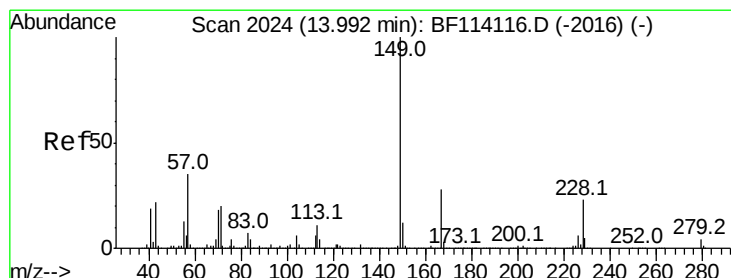
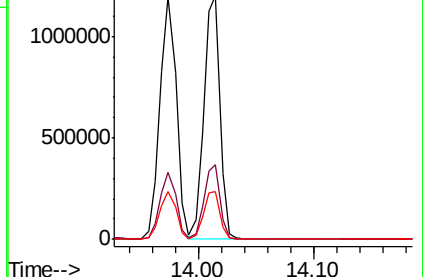
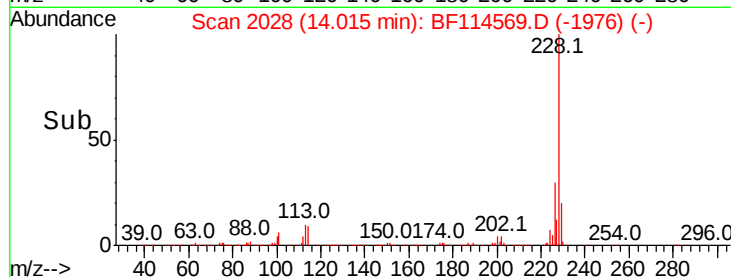
229 19.8 17.0 25.6



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: 53.101 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

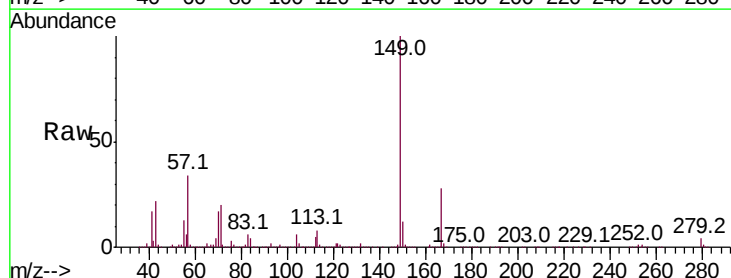
Tgt Ion:149 Resp: 921907

Ion Ratio Lower Upper

149 100

167 28.0 22.6 33.8

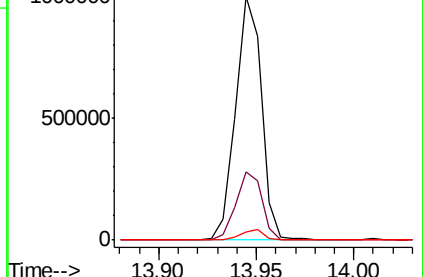
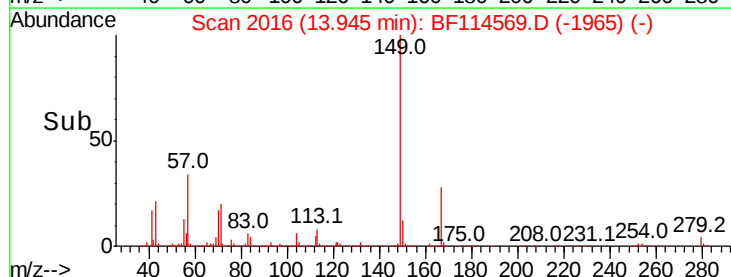
279 3.6 3.0 4.6

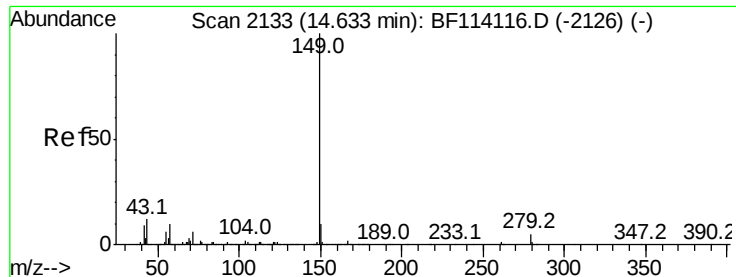


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

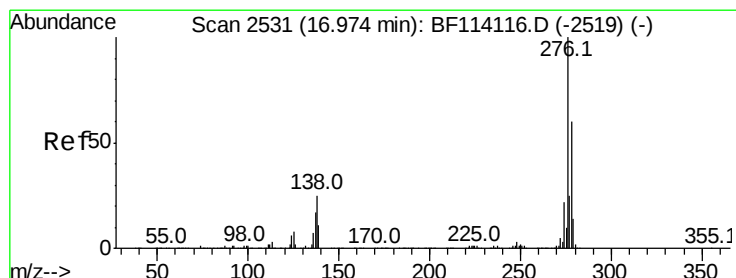
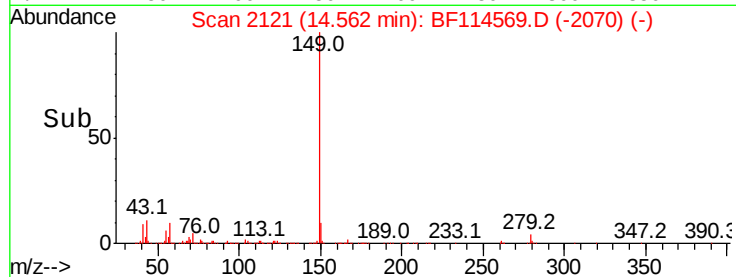
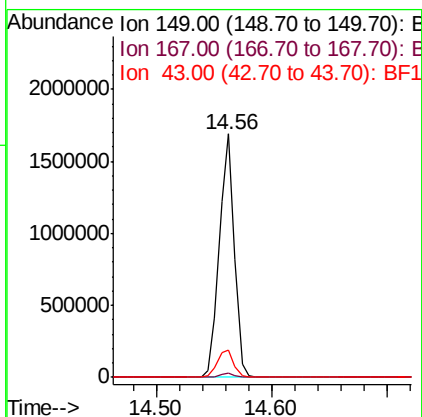
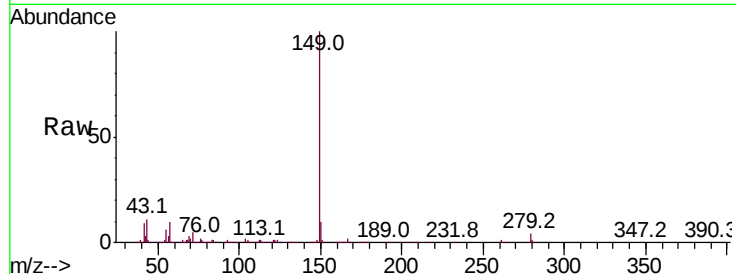




#85  
Di-n-octyl phthalate  
Concen: 53.983 ng  
RT: 14.56 min Scan# 2121  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

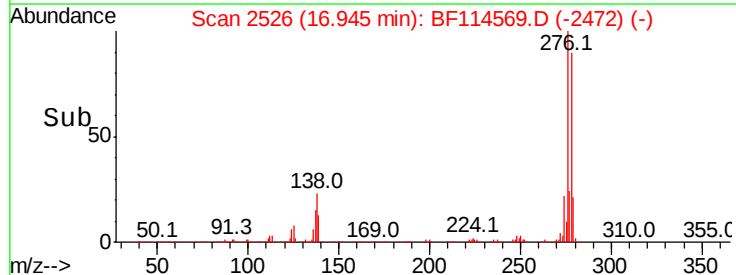
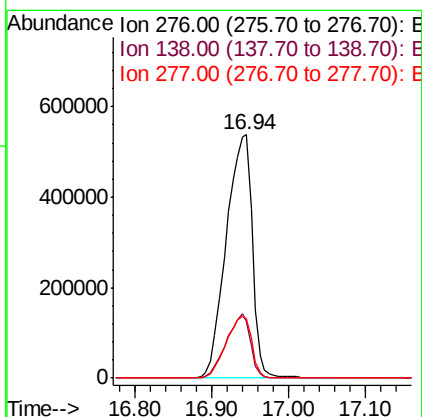
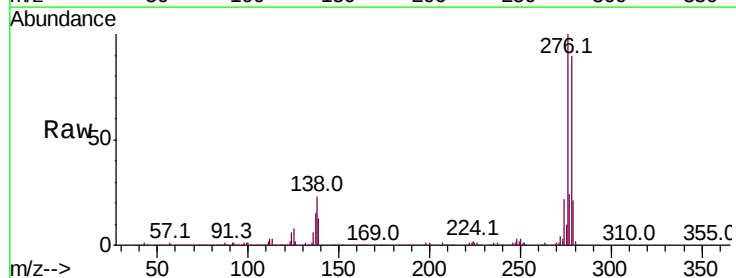
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

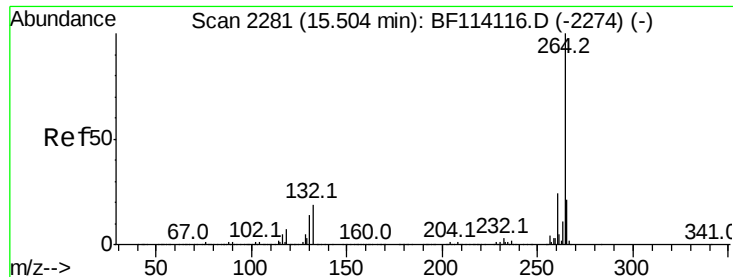
Tot Ion:149 Resp: 1519297  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 11.9 10.1 15.1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 57.793 ng  
RT: 16.94 min Scan# 2526  
Delta R.T. 0.02 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:276 Resp: 1269619  
Ion Ratio Lower Upper  
276 100  
138 24.5 20.2 30.2  
277 25.0 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

Instrument :

BNA\_F

ClientSampleId :

FEBH-05(33-33.5)MSD

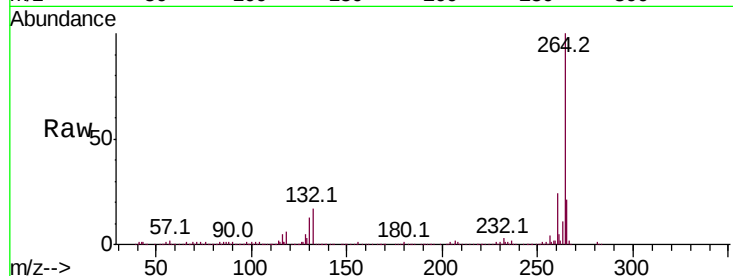
Tot Ion:264 Resp: 407585

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

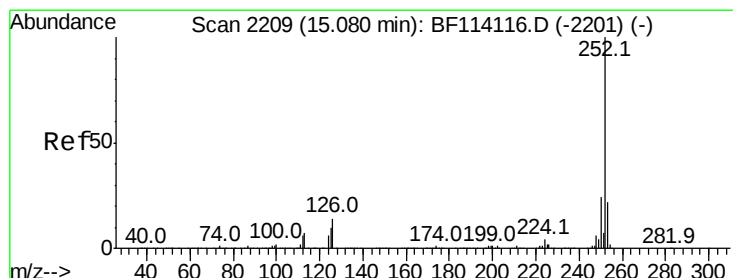
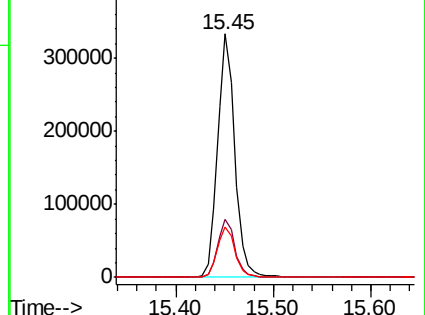
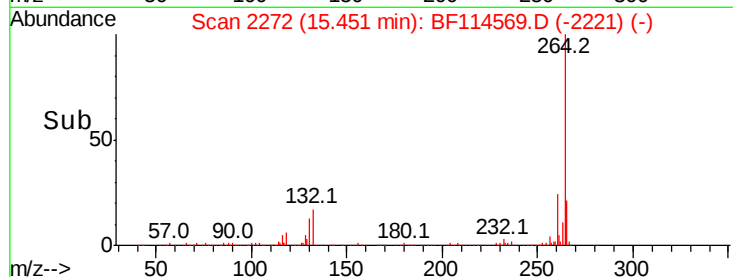
265 20.9 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.707 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BF114569.D

Acq: 24 May 2019 14:49

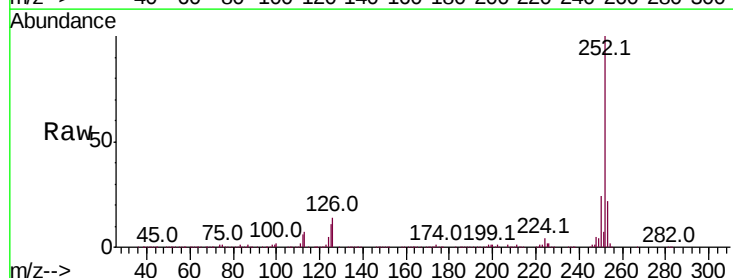
Tgt Ion:252 Resp: 1245732

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

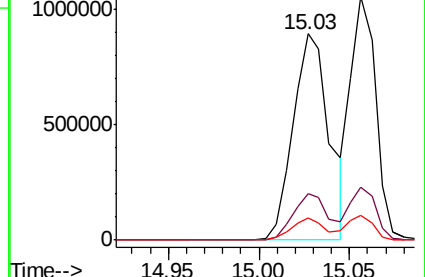
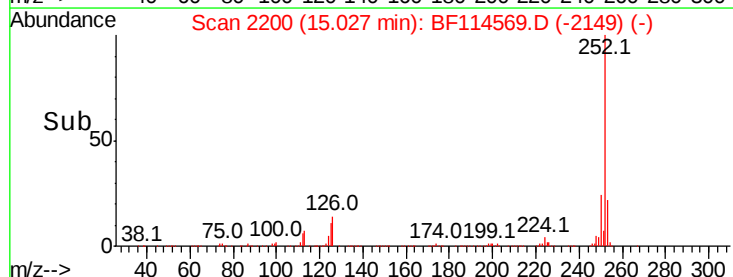
125 10.6 8.3 12.5

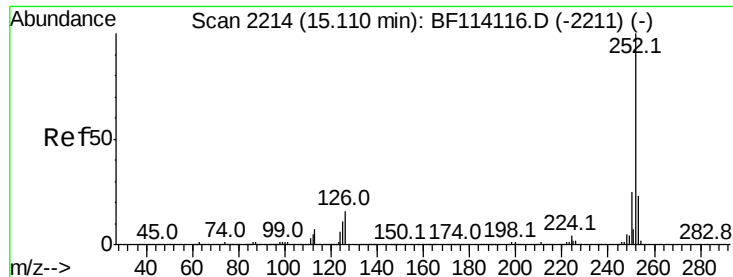


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

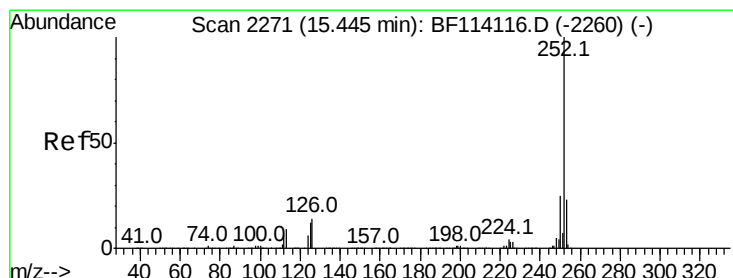
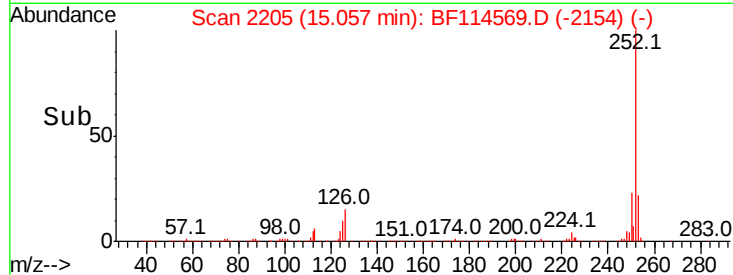
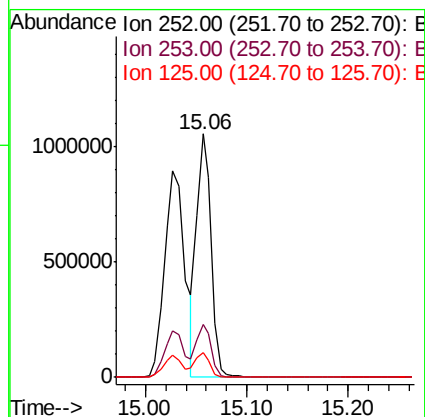
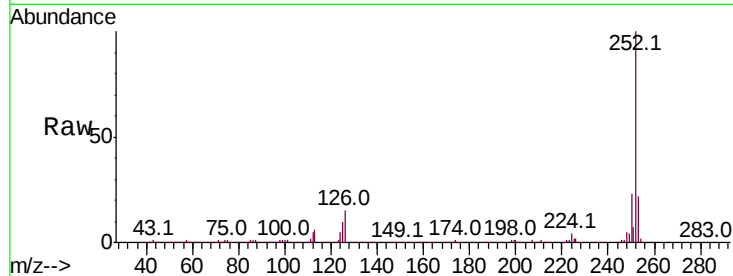




#89  
Benzo(k)fluoranthene  
Concen: 43.176 ng  
RT: 15.06 min Scan# 2205  
Delta R.T. -0.00 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

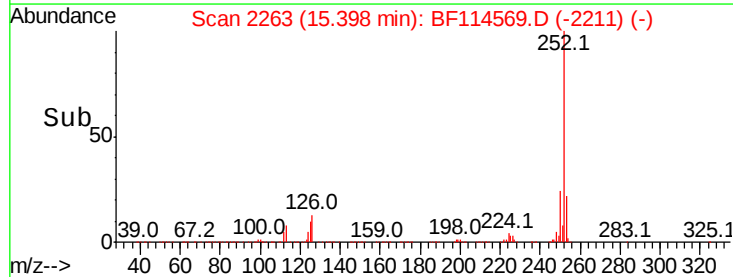
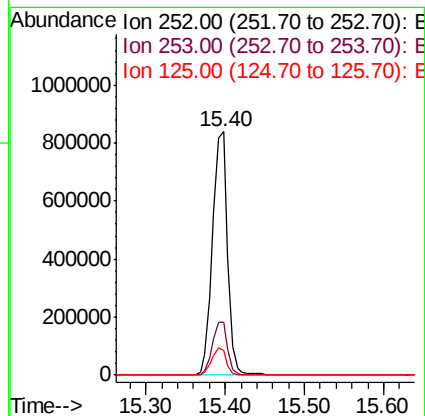
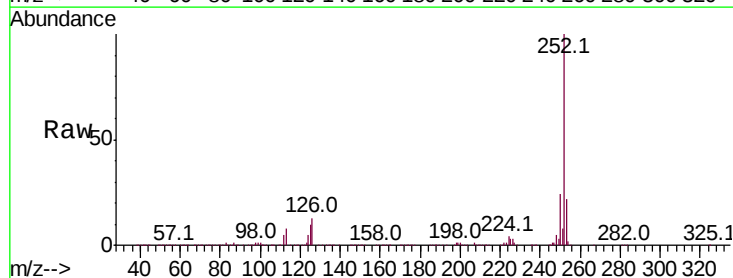
Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

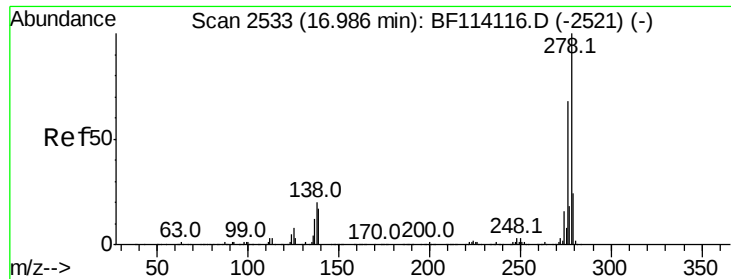
Tot Ion:252 Resp: 1035658  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.2 27.2  
125 10.1 8.6 13.0



#90  
Benzo(a)pyrene  
Concen: 48.354 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:252 Resp: 1111210  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.1 27.1  
125 10.4 9.5 14.3

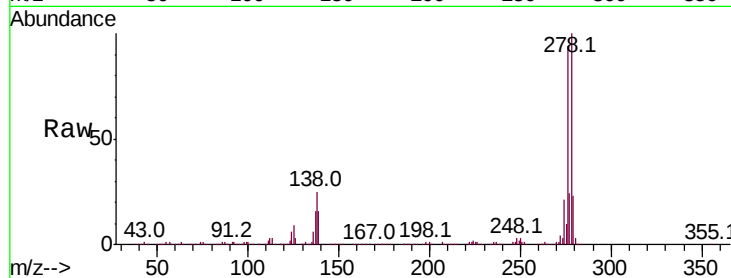




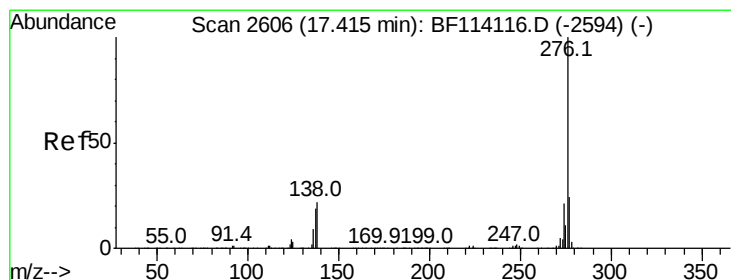
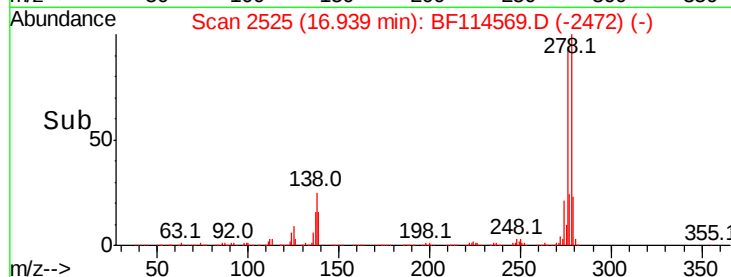
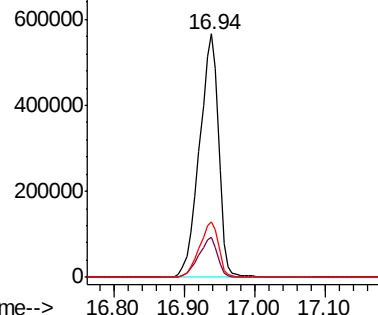
#91  
Dibenzo(a,h)anthracene  
Concen: 56.035 ng  
RT: 16.94 min Scan# 2525  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
FEBH-05(33-33.5)MSD

Tot Ion:278 Resp: 1070045  
Ion Ratio Lower Upper  
278 100  
139 16.3 13.5 20.3  
279 22.5 19.0 28.6

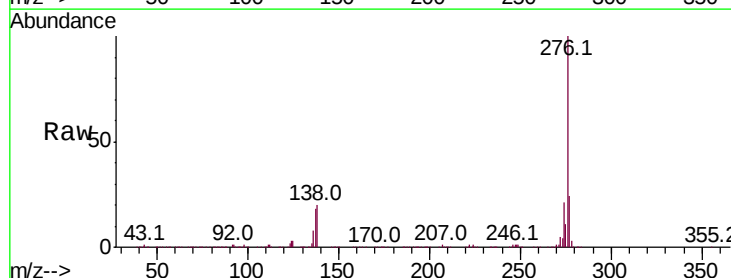


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 58.230 ng  
RT: 17.38 min Scan# 2600  
Delta R.T. 0.01 min  
Lab File: BF114569.D  
Acq: 24 May 2019 14:49

Tgt Ion:276 Resp: 1114350  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.0 28.4  
138 20.4 17.8 26.6



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

