

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100319\  
 Data File : BF117335.D  
 Acq On : 3 Oct 2019 23:45  
 Operator : JU  
 Sample : K5095-04RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

Quant Time: Oct 04 03:21:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 13 16:23:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 50366    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.09  | 136  | 190488   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.85  | 164  | 67875    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.33 | 188  | 94268    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.98 | 240  | 86526    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.44 | 264  | 70188    | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.47  | 112 | 253222 | 78.49  | ng | 0.03  |
| 7) Phenol-d6             | 6.47  | 99  | 227852 | 54.65  | ng | 0.01  |
| 23) Nitrobenzene-d5      | 7.37  | 82  | 259617 | 71.61  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 65573  | 115.59 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.16  | 172 | 412742 | 95.08  | ng | -0.01 |
| 79) Terphenyl-d14        | 12.92 | 244 | 377522 | 81.56  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |           |    | Qvalue |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| 4) n-Nitrosodimethylamine      | 3.26  | 42  | 12872  | 10.152    | ng | # 1    |
| 9) Benzaldehyde                | 6.37  | 77  | 39343  | 12.365    | ng | # 1    |
| 10) Phenol                     | 6.49  | 94  | 67328  | 14.649    | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.83  | 146 | 19786  | 4.965     | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 6.99  | 146 | 41229  | 11.111    | ng | 97     |
| 15) Benzyl Alcohol             | 6.97  | 79  | 21402  | 6.694     | ng | # 74   |
| 17) 2-Methylphenol             | 7.25  | 107 | 48674  | 16.688    | ng | 87     |
| 18) Hexachloroethane           | 7.30  | 117 | 8389   | 5.472     | ng | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70  | 6648   | 2.619     | ng | # 65   |
| 20) 3+4-Methylphenols          | 7.25  | 107 | 50091  | 13.787    | ng | # 51   |
| 22) Acetophenone               | 7.20  | 105 | 105042 | 21.704    | ng | # 59   |
| 24) Nitrobenzene               | 7.38  | 77  | 7495   | 2.093     | ng | # 36   |
| 27) 2,4-Dimethylphenol         | 7.77  | 122 | 10355  | 4.246     | ng | 89     |
| 30) 1,2,4-Trichlorobenzene     | 8.03  | 180 | 21074  | 7.634     | ng | 99     |
| 31) Naphthalene                | 8.11  | 128 | 200028 | 21.834    | ng | 99     |
| 32) Benzoic acid               | 7.92  | 122 | 41161  | 25.876    | ng | 97     |
| 33) 4-Chloroaniline            | 8.11  | 127 | 27874  | 6.860     | ng | # 1    |
| 35) Caprolactam                | 8.50  | 113 | 3783   | 4.374     | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.75  | 107 | 85749  | 28.779    | ng | # 22   |
| 37) 2-Methylnaphthalene        | 8.80  | 142 | 24908  | 4.038     | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.90  | 142 | 15637  | 2.706     | ng | # 92   |
| 48) 2-Nitroaniline             | 9.36  | 65  | 8242   | 6.115     | ng | # 29   |
| 50) Dimethylphthalate          | 9.56  | 163 | 130481 | 27.150    | ng | 99     |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165 | 3083   | 3.150     | ng | # 46   |
| 53) 3-Nitroaniline             | 9.83  | 138 | 14296  | 11.576    | ng | # 3    |
| 54) 2,4-Dinitrophenol          | 9.90  | 184 | 316    | 9.828     | ng | # 1    |
| 56) 4-Nitrophenol              | 9.93  | 139 | 3446   | 4.305     | ng | # 1    |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232 | 9490   | 9.758     | ng | # 91   |
| 60) Diethylphthalate           | 10.26 | 149 | 9847   | 2.083     | ng | # 7    |
| 65) 4,6-Dinitro-2-methylphenol | 10.66 | 198 | 111    | 7.124     | ng | # 1    |
| 69) Atrazine                   | 11.07 | 200 | 243    | Below Cal |    | # 1    |
| 70) Pentachlorophenol          | 11.16 | 266 | 10263  | 20.793    | ng | 96     |
| 71) Phenanthrene               | 11.36 | 178 | 11290  | 2.109     | ng | # 60   |
| 74) Di-n-butylphthalate        | 11.89 | 149 | 38103  | 6.172     | ng | # 95   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100319\  
Data File : BF117335.D  
Acq On : 3 Oct 2019 23:45  
Operator : JU  
Sample : K5095-04RE  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

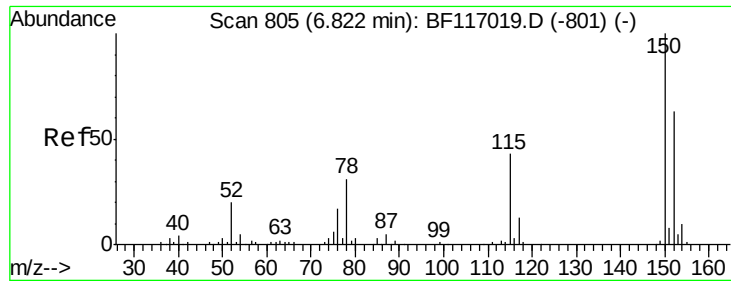
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

Quant Time: Oct 04 03:21:55 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 13 16:23:17 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 86556    | 19.569 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 17745    | 2.549  | ng #  | 85       |

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

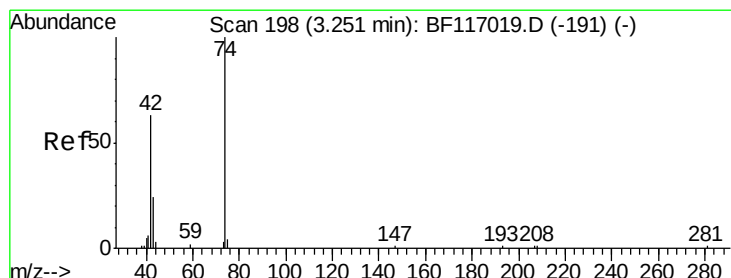
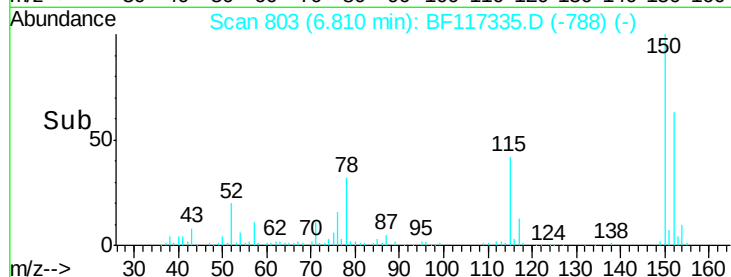
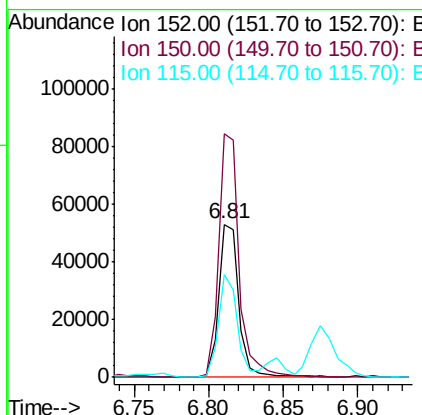
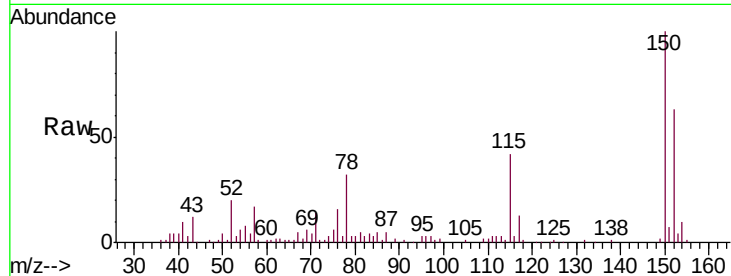




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.81 min Scan# 803  
 Delta R.T. -0.01 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

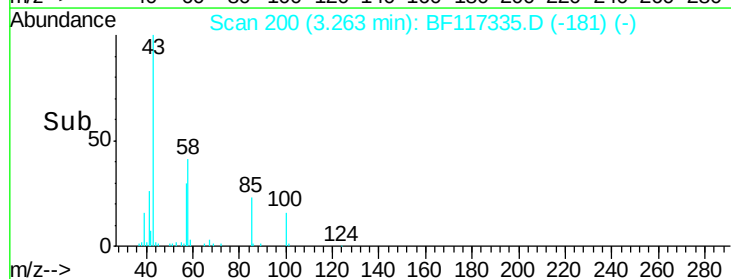
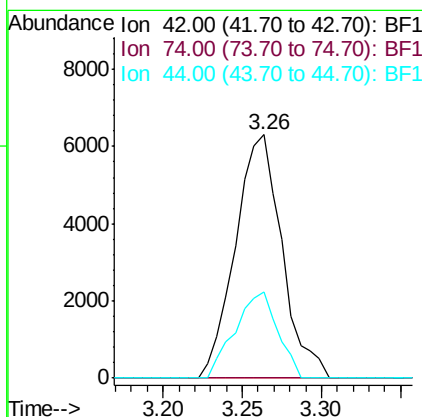
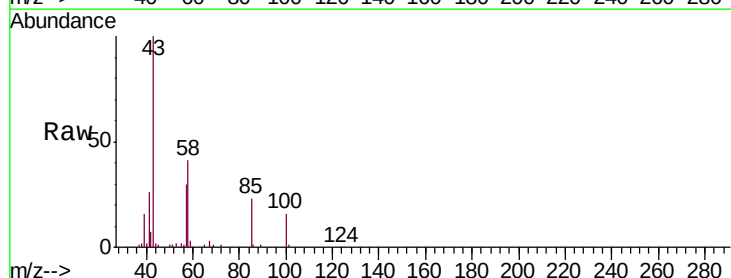
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

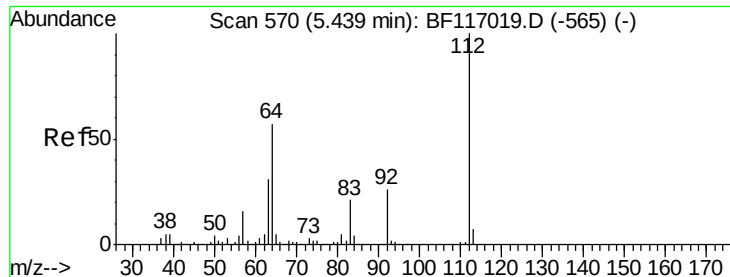
Tgt Ion:152 Resp: 50366  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 127.5 191.3  
 115 67.3 55.0 82.4



#4  
 n-Nitrosodimethylamine  
 Concen: 10.152 ng  
 RT: 3.26 min Scan# 200  
 Delta R.T. 0.01 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion: 42 Resp: 12872  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 127.1 190.7#  
 44 35.2 4.3 6.5#





#5

2-Fluorophenol

Concen: 78.494 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.03 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

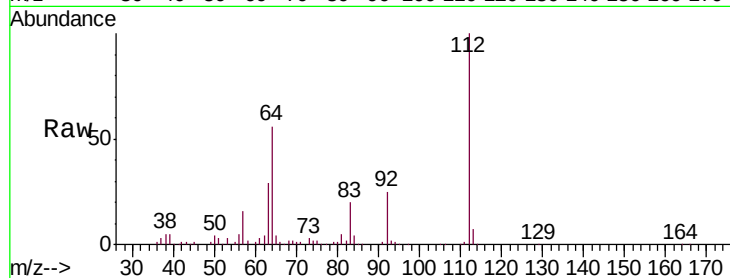
Tgt Ion:112 Resp: 253222

Ion Ratio Lower Upper

112 100

64 56.0 45.7 68.5

63 28.8 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

200000

150000

100000

50000

0

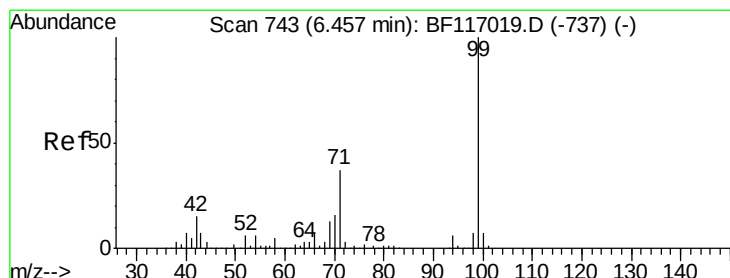
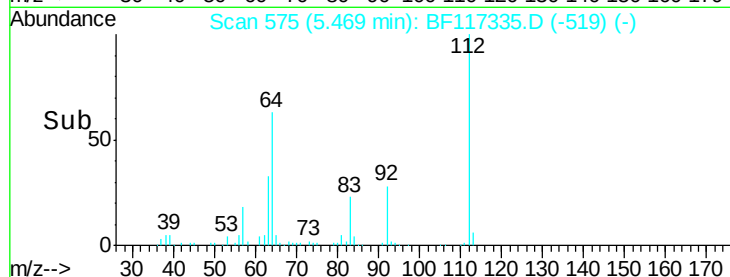
5.47

5.40

5.50

5.60

Time-->



#7

Phenol-d6

Concen: 54.652 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

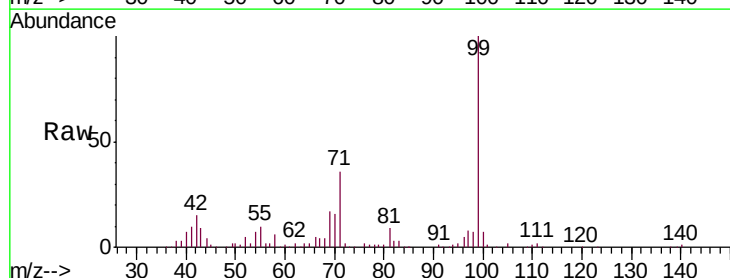
Tgt Ion: 99 Resp: 227852

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

71 35.5 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

200000

150000

100000

50000

0

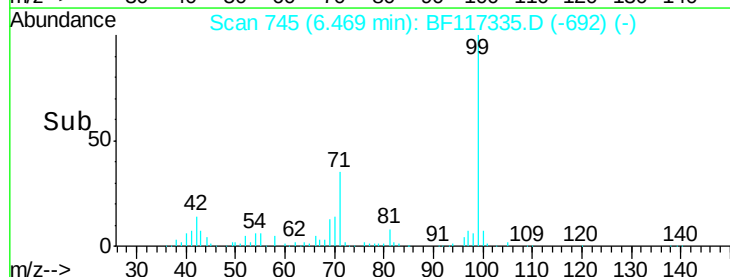
6.47

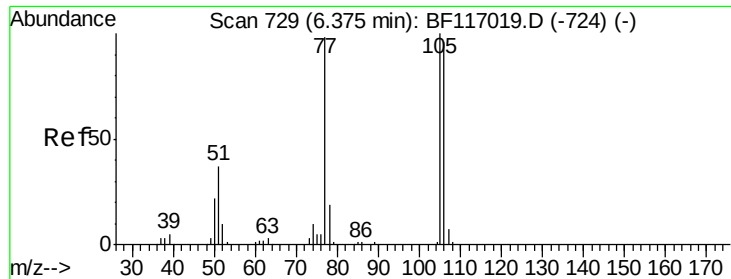
6.40

6.50

6.60

Time-->





#9

Benzaldehyde

Concen: 12.365 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

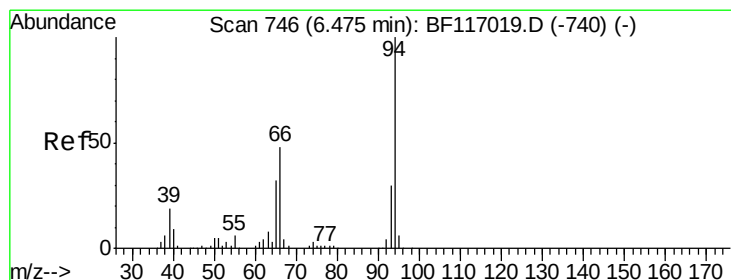
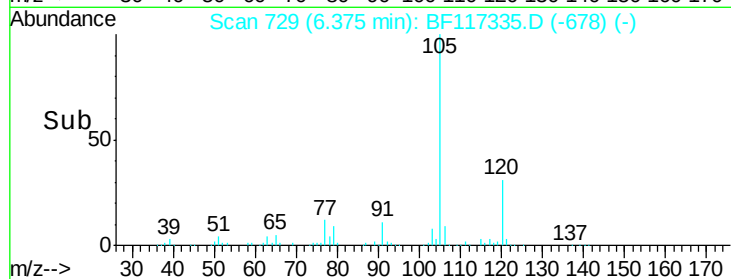
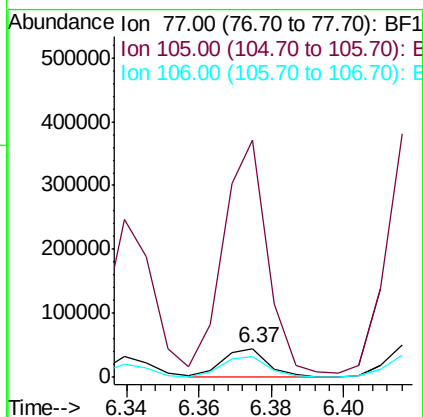
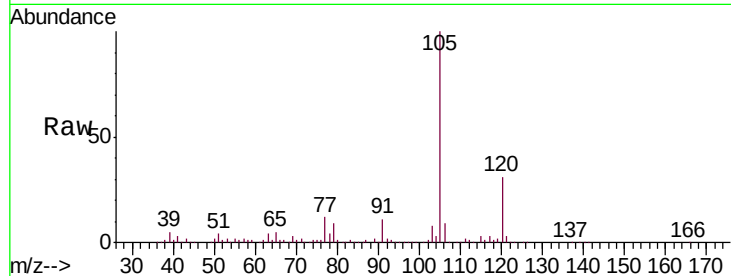
Tgt Ion: 77 Resp: 39343

Ion Ratio Lower Upper

77 100

105 823.0 81.8 121.8#

106 71.8 77.3 117.3#



#10

Phenol

Concen: 14.649 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

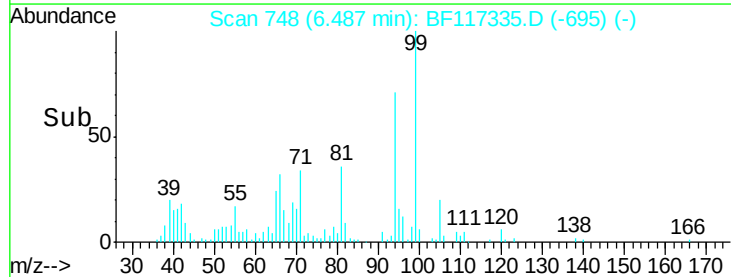
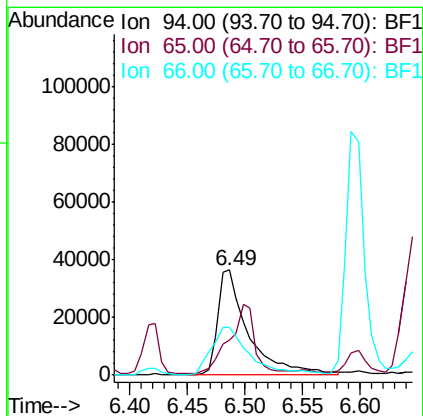
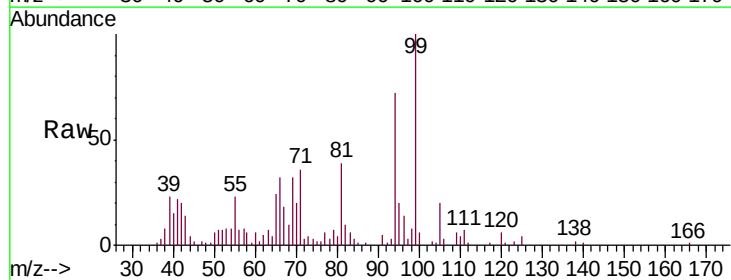
Tgt Ion: 94 Resp: 67328

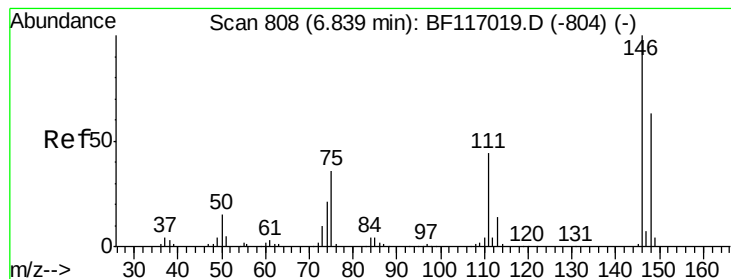
Ion Ratio Lower Upper

94 100

65 33.6 12.5 52.5

66 45.2 28.9 68.9





#13

1,4-Dichlorobenzene

Concen: 4.965 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

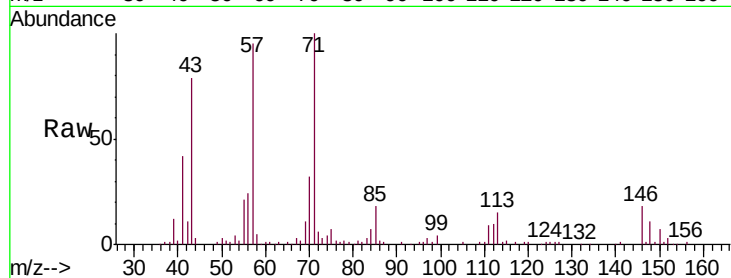
Tgt Ion:146 Resp: 19786

Ion Ratio Lower Upper

146 100

148 62.0 50.6 76.0

111 51.0 35.0 52.6



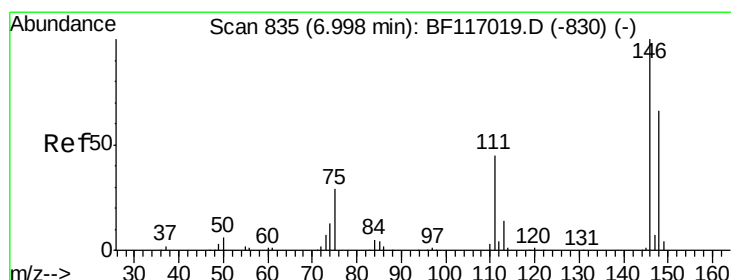
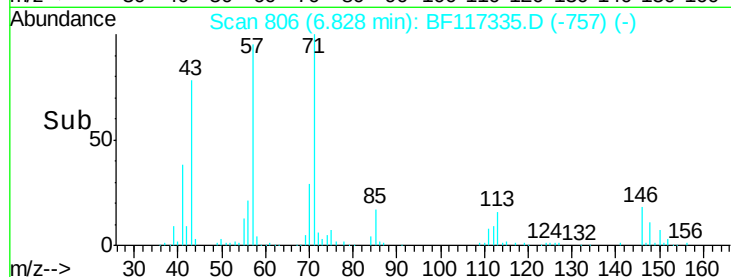
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.83

Time-->



#14

1,2-Dichlorobenzene

Concen: 11.111 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

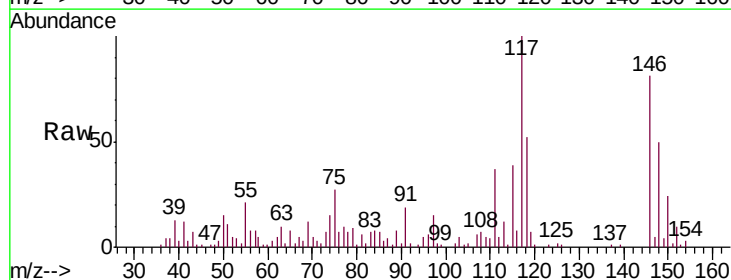
Tgt Ion:146 Resp: 41229

Ion Ratio Lower Upper

146 100

148 62.0 52.6 78.8

111 45.5 36.2 54.2



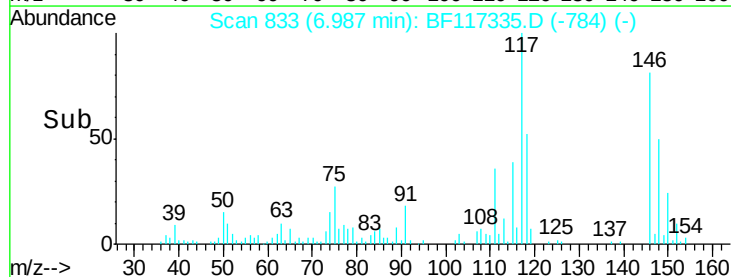
Abundance Ion 146.00 (145.70 to 146.70): E

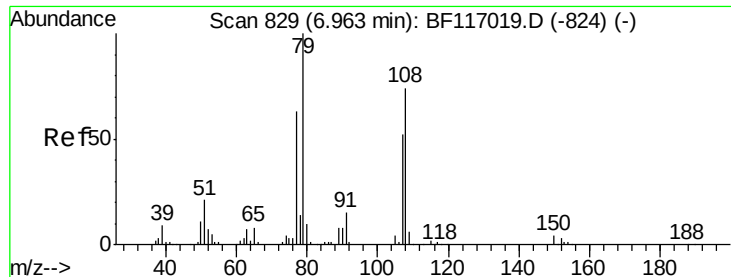
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

6.99

Time-->

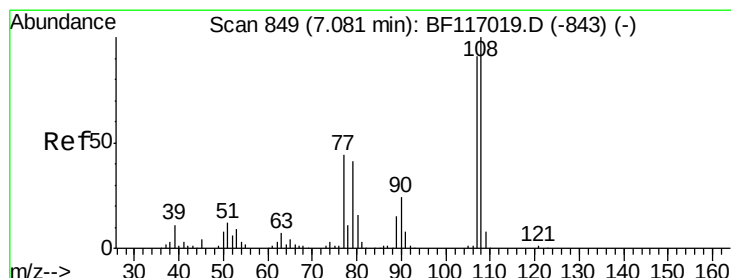
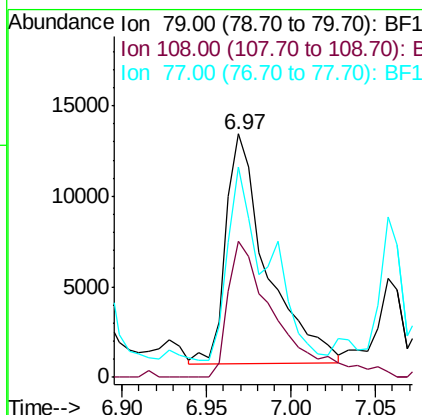
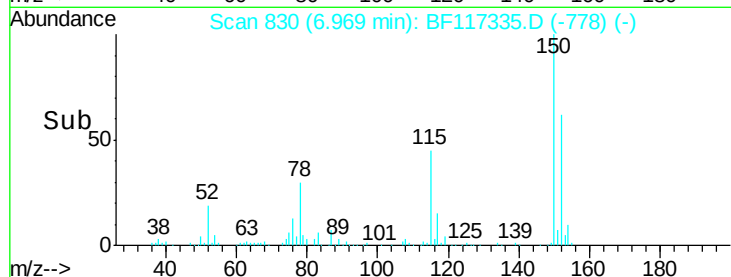
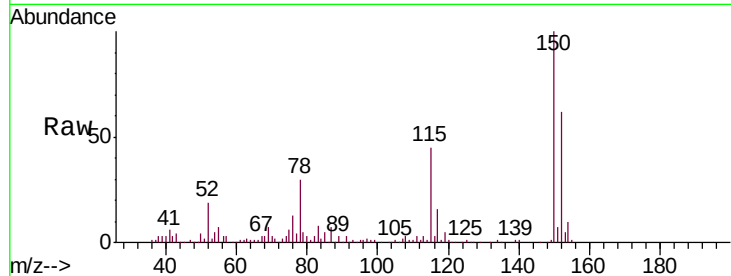




#15  
Benzyl Alcohol  
Concen: 6.694 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

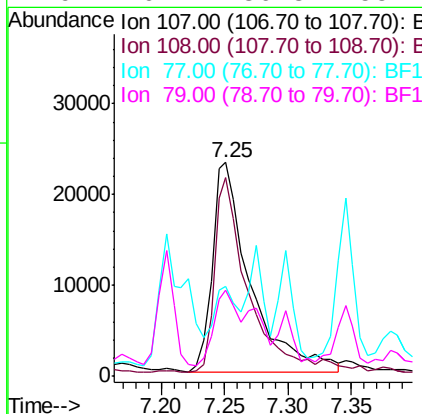
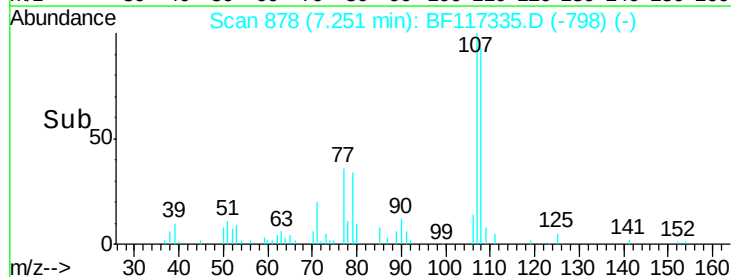
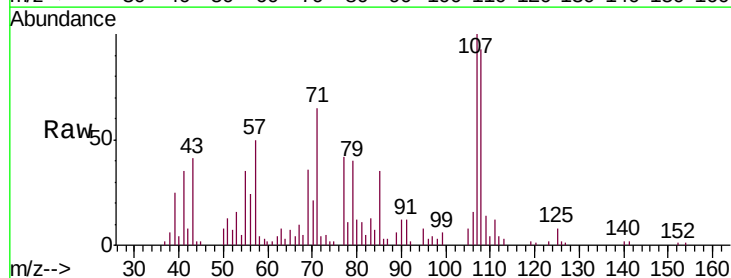
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

Tgt Ion: 79 Resp: 21402  
Ion Ratio Lower Upper  
79 100  
108 55.8 59.4 89.0#  
77 86.3 50.2 75.2#

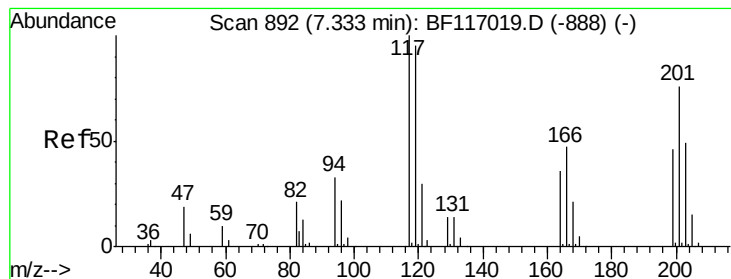


#17  
2-Methylphenol  
Concen: 16.688 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.17 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion: 107 Resp: 48674  
Ion Ratio Lower Upper  
107 100  
108 92.9 87.7 131.5  
77 42.1 38.6 58.0  
79 40.4 36.8 55.2







#18

Hexachloroethane

Concen: 5.472 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.04 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

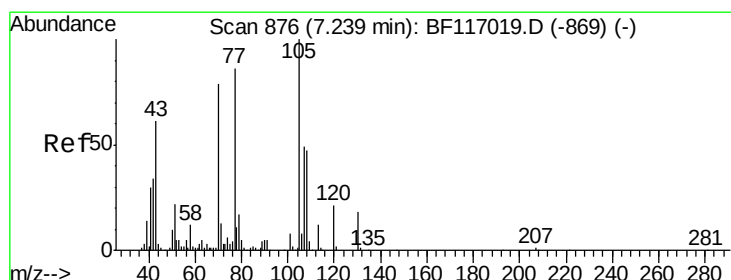
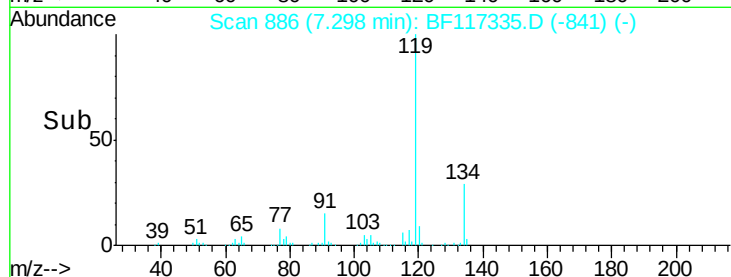
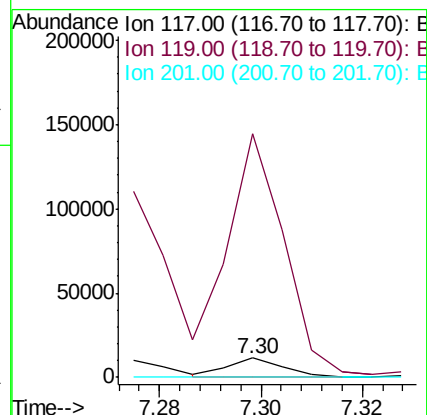
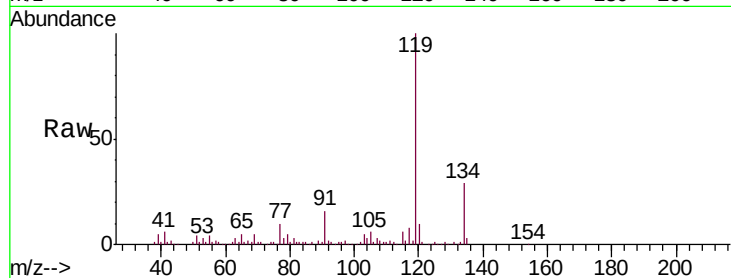
Tgt Ion: 117 Resp: 8389

Ion Ratio Lower Upper

117 100

119 1274.8 75.8 113.8#

201 0.0 60.9 91.3#



#19

n-Nitroso-di-n-propylamine

Concen: 2.619 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion: 70 Resp: 6648

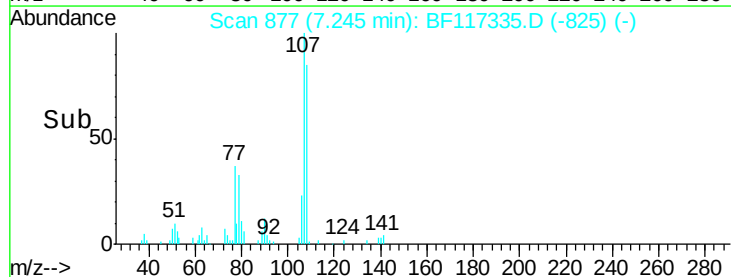
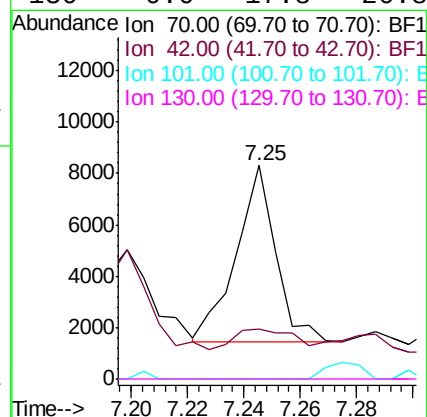
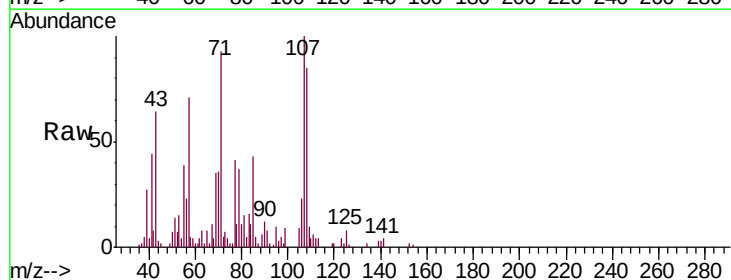
Ion Ratio Lower Upper

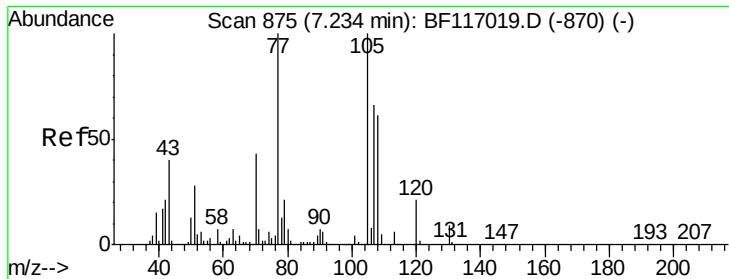
70 100

42 23.3 34.0 51.0#

101 0.0 7.8 11.6#

130 0.0 17.8 26.8#

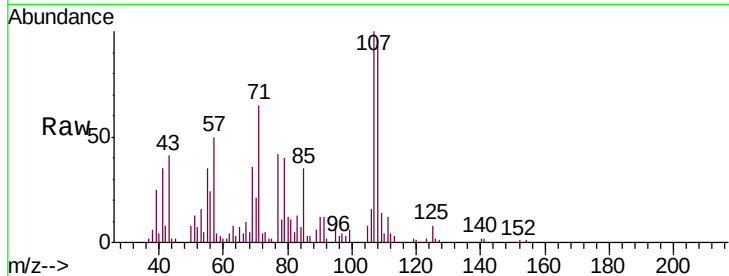




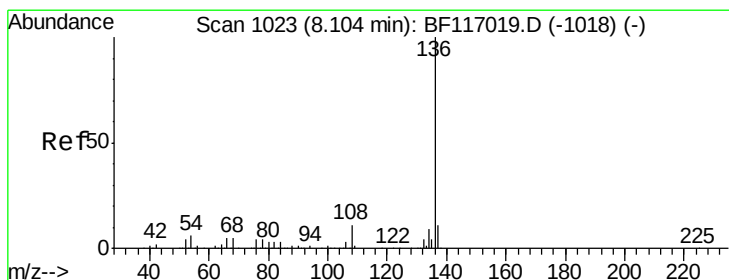
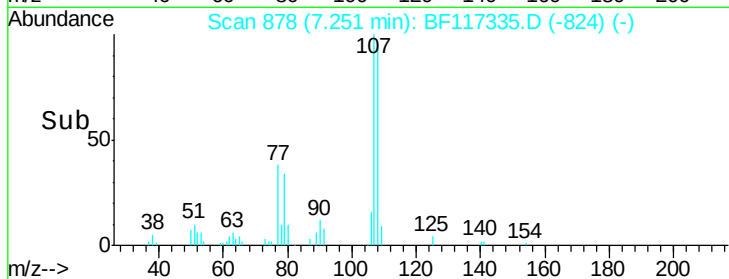
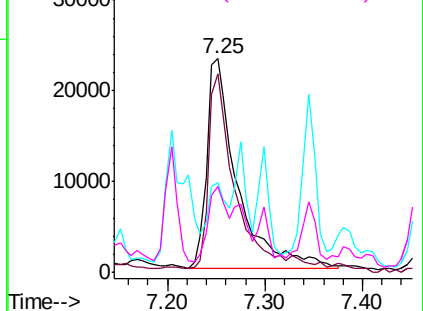
#20  
 3+4-Methylphenols  
 Concen: 13.787 ng  
 RT: 7.25 min Scan# 878  
 Delta R.T. 0.02 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

Tgt Ion:107 Resp: 50091  
 Ion Ratio Lower Upper  
 107 100  
 108 92.9 72.6 112.6  
 77 42.1 132.1 172.1#  
 79 40.4 12.1 52.1

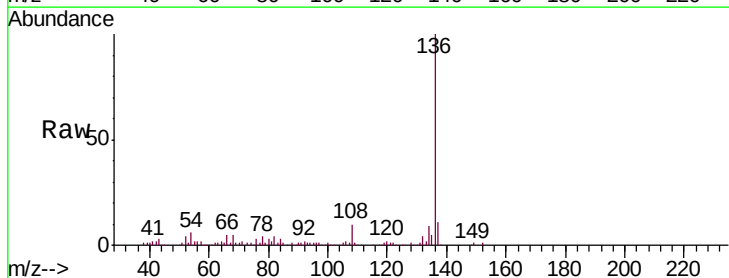


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 77.00 (76.70 to 77.70): BF1  
 Ion 79.00 (78.70 to 79.70): BF1

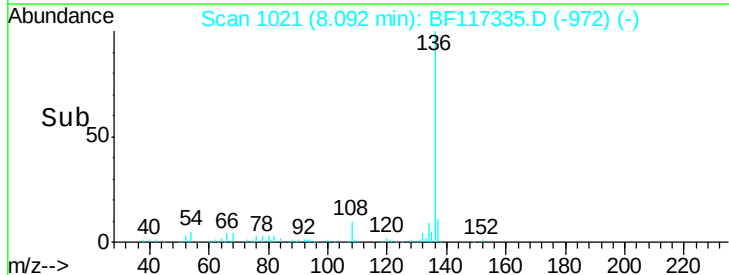
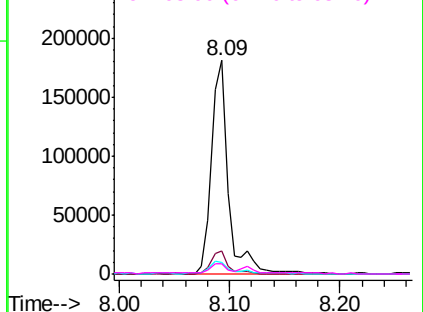


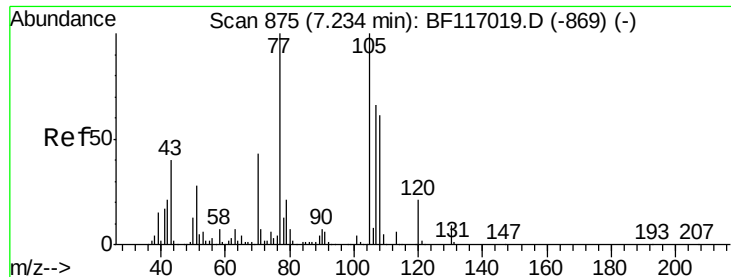
#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 1021  
 Delta R.T. -0.01 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion:136 Resp: 190488  
 Ion Ratio Lower Upper  
 136 100  
 137 11.1 9.0 13.4  
 54 5.6 4.5 6.7  
 68 4.8 4.0 6.0



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





#22

Acetophenone

Concen: 21.704 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.03 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

Tgt Ion: 105 Resp: 105042

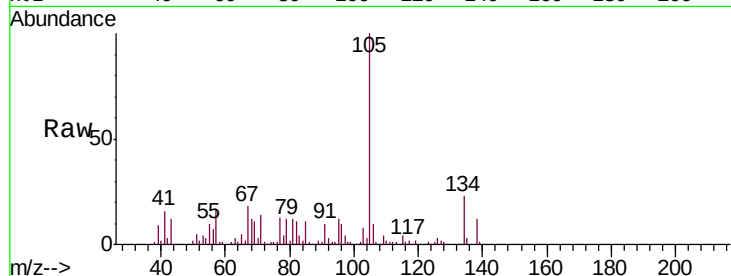
Ion Ratio Lower Upper

105 100

71 13.9 5.7 8.5#

51 4.6 22.1 33.1#

120 0.4 17.1 25.7#

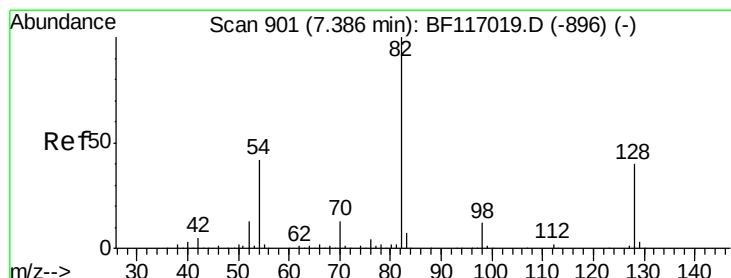
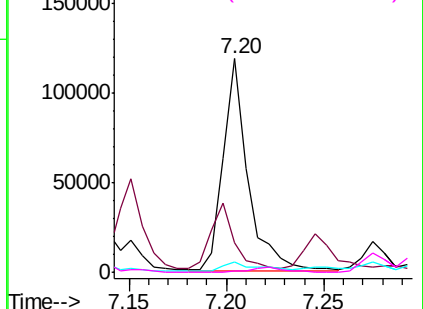
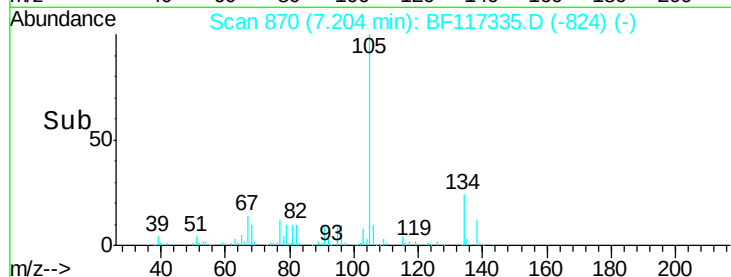


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 71.610 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

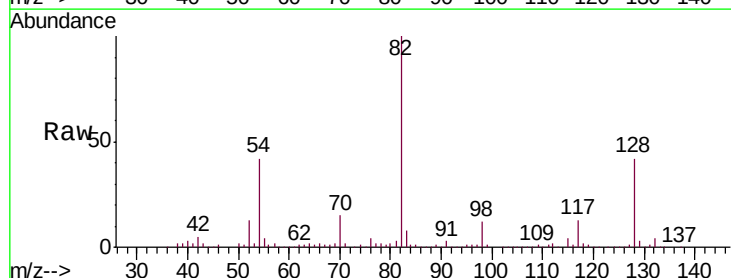
Tgt Ion: 82 Resp: 259617

Ion Ratio Lower Upper

82 100

128 42.0 32.3 48.5

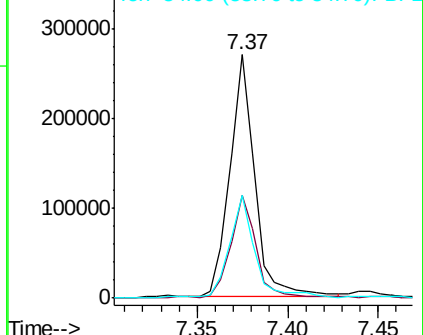
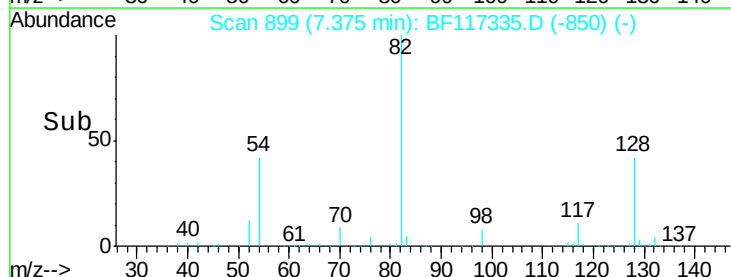
54 42.3 33.3 49.9

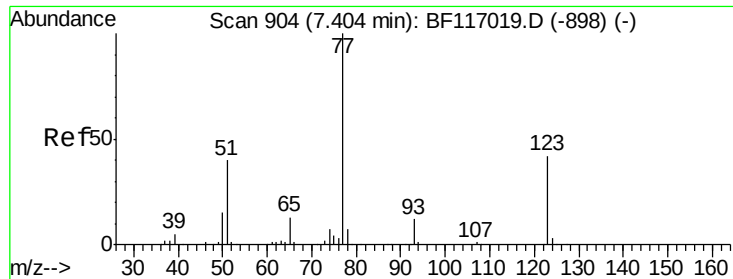


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

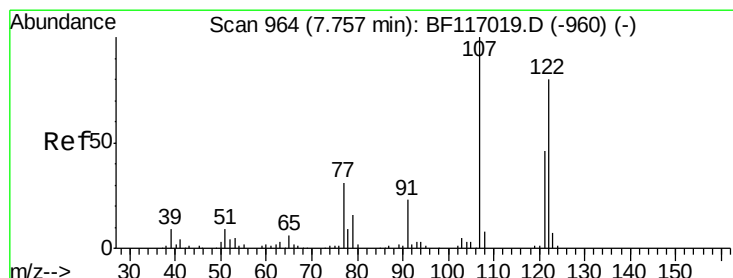
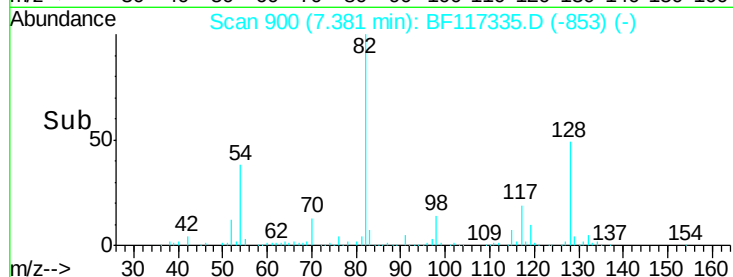
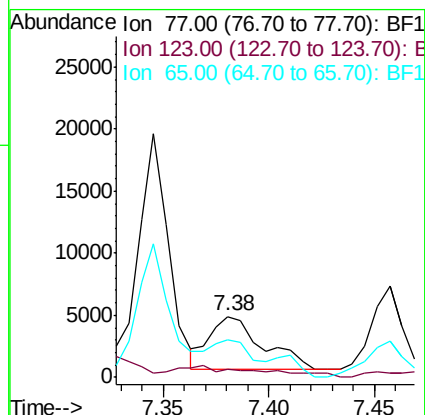
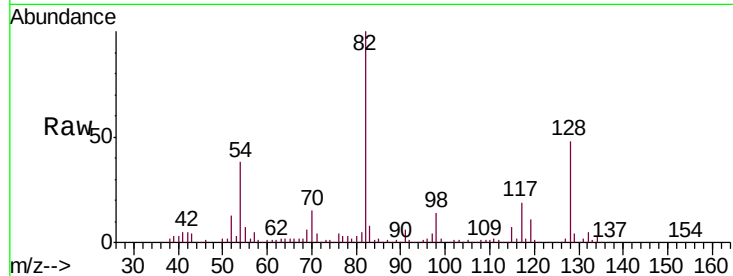




#24  
 Nitrobenzene  
 Concen: 2.093 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.02 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

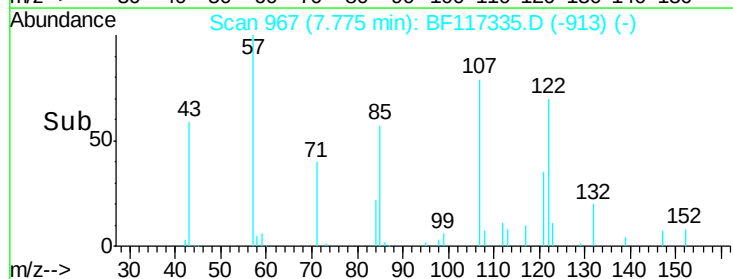
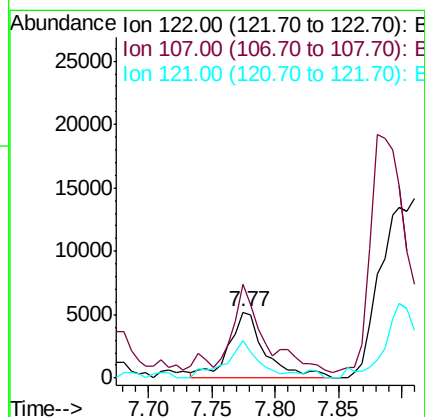
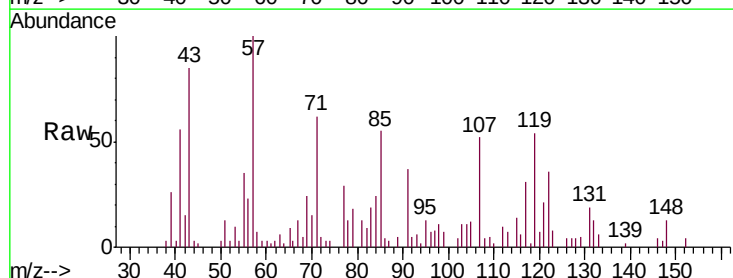
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

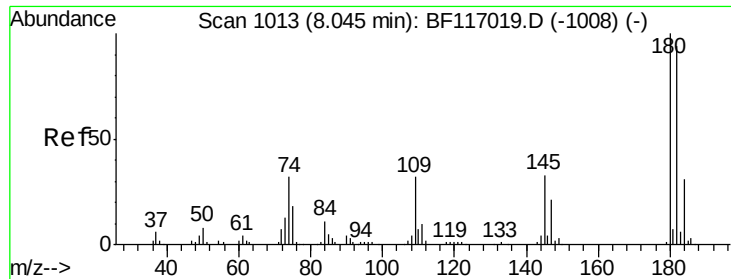
Tgt Ion: 77 Resp: 7495  
 Ion Ratio Lower Upper  
 77 100  
 123 13.6 33.5 50.3#  
 65 62.5 10.5 15.7#



#27  
 2,4-Dimethylphenol  
 Concen: 4.246 ng  
 RT: 7.77 min Scan# 967  
 Delta R.T. 0.02 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion: 122 Resp: 10355  
 Ion Ratio Lower Upper  
 122 100  
 107 141.6 98.9 148.3  
 121 57.4 45.3 67.9

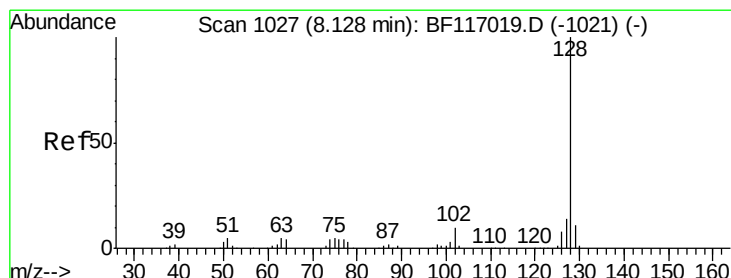
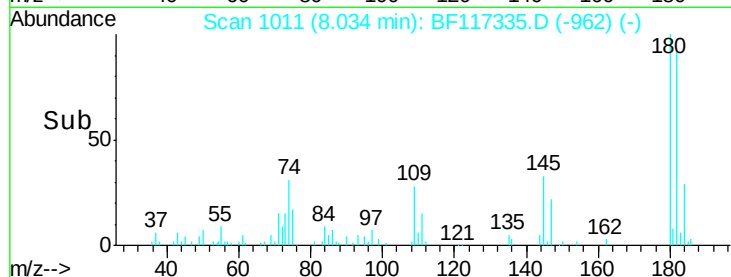
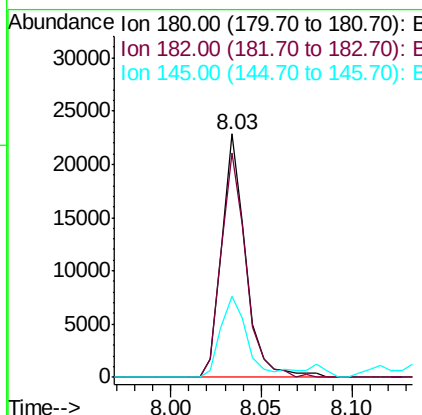
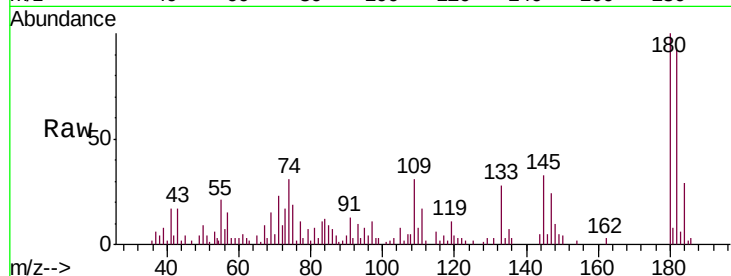




#30  
 1,2,4-Trichlorobenzene  
 Concen: 7.634 ng  
 RT: 8.03 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

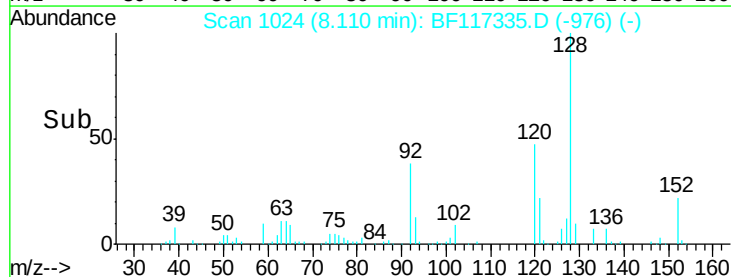
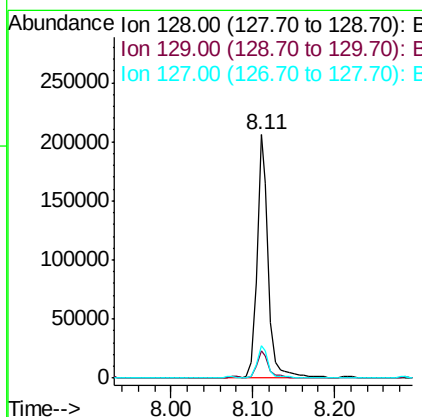
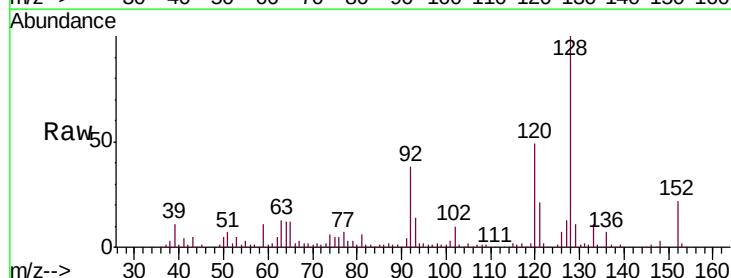
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

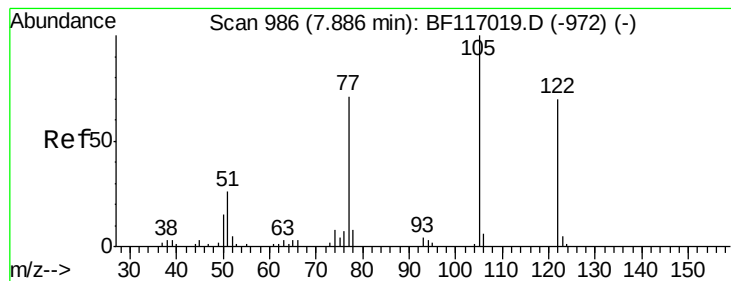
Tgt Ion:180 Resp: 21074  
 Ion Ratio Lower Upper  
 180 100  
 182 92.4 75.4 113.0  
 145 33.3 26.7 40.1



#31  
 Naphthalene  
 Concen: 21.834 ng  
 RT: 8.11 min Scan# 1024  
 Delta R.T. -0.02 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion:128 Resp: 200028  
 Ion Ratio Lower Upper  
 128 100  
 129 11.4 9.0 13.4  
 127 13.2 10.8 16.2





#32

Benzoic acid

Concen: 25.876 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.03 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

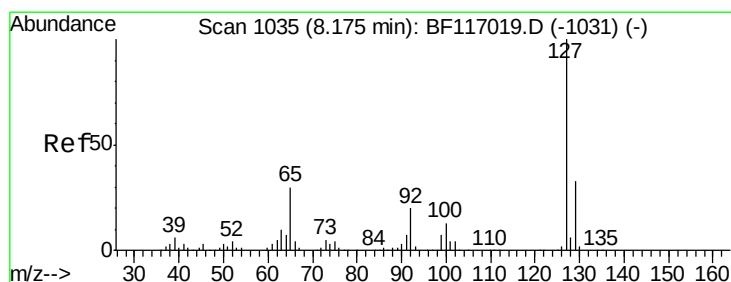
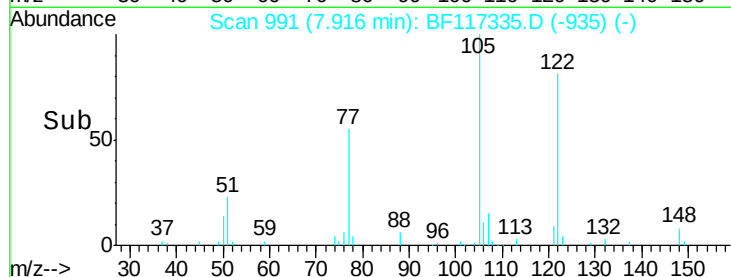
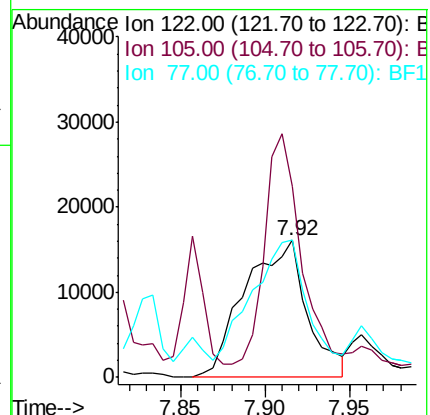
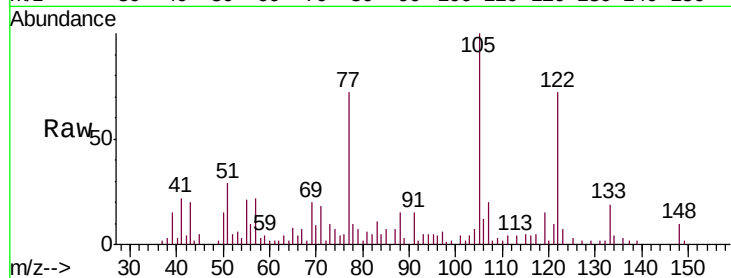
Tgt Ion:122 Resp: 41161

Ion Ratio Lower Upper

122 100

105 139.5 114.8 154.8

77 100.4 78.7 118.7



#33

4-Chloroaniline

Concen: 6.860 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.06 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion:127 Resp: 27874

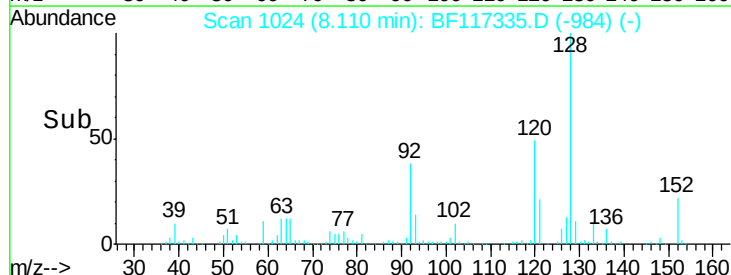
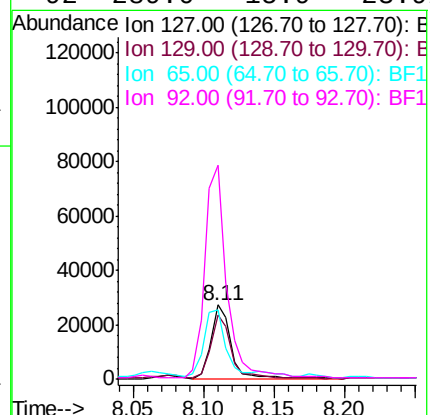
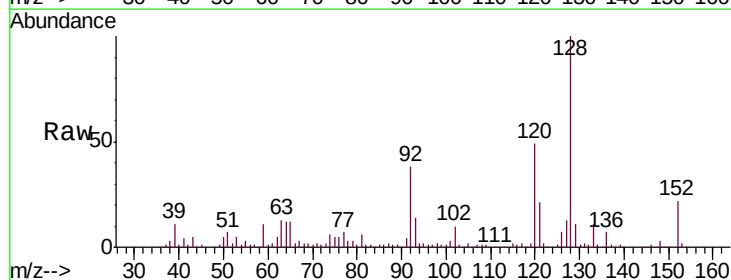
Ion Ratio Lower Upper

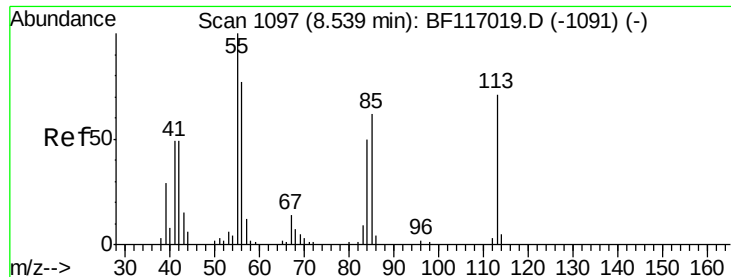
127 100

129 85.9 26.2 39.2#

65 94.2 23.5 35.3#

92 289.0 15.9 23.9#

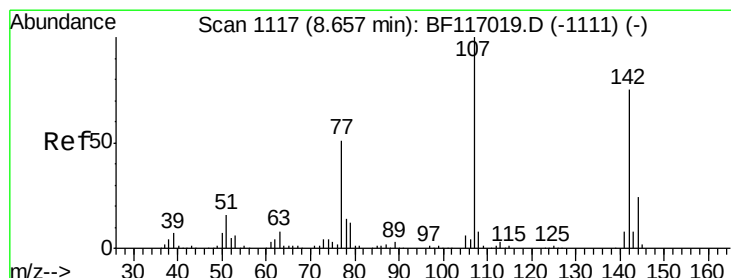
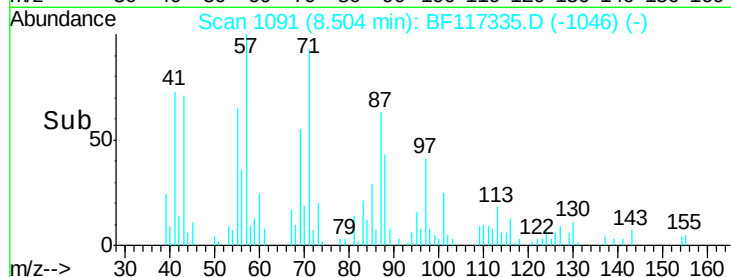
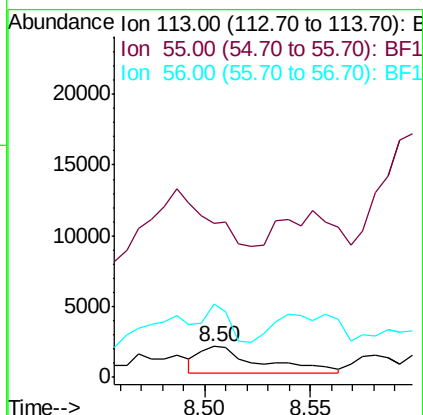
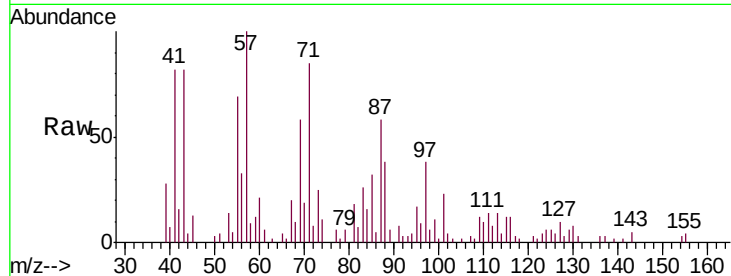




#35  
 Caprolactam  
 Concen: 4.374 ng  
 RT: 8.50 min Scan# 1091  
 Delta R.T. -0.04 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

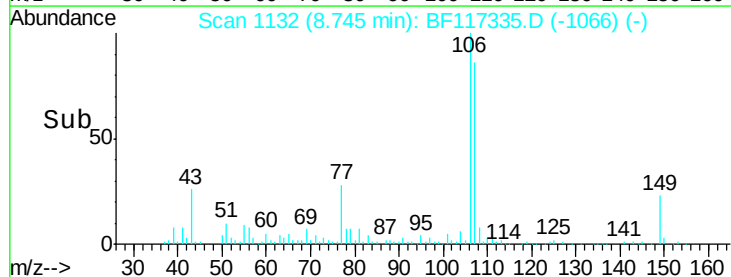
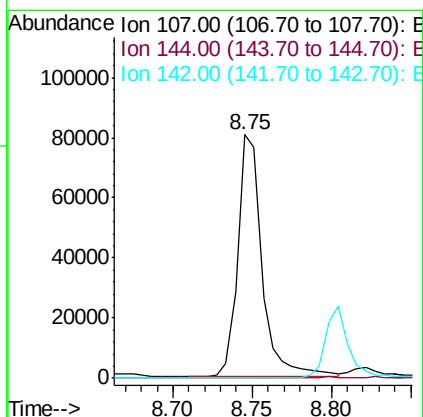
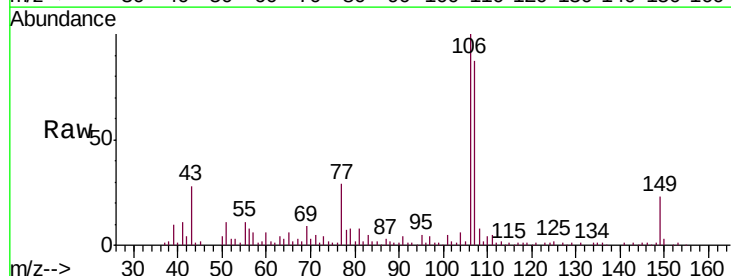
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

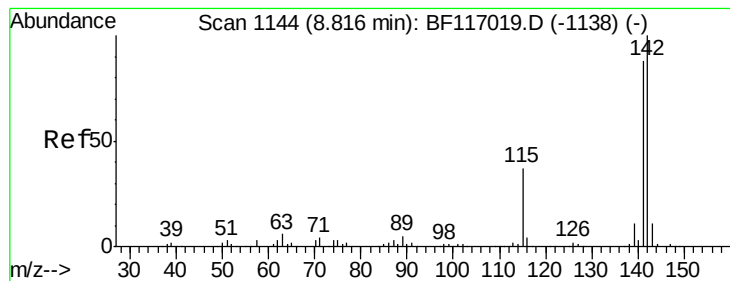
Tgt Ion:113 Resp: 3783  
 Ion Ratio Lower Upper  
 113 100  
 55 500.5 120.6 160.6#  
 56 239.3 88.8 128.8#



#36  
 4-Chloro-3-methylphenol  
 Concen: 28.779 ng  
 RT: 8.75 min Scan# 1132  
 Delta R.T. 0.09 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion:107 Resp: 85749  
 Ion Ratio Lower Upper  
 107 100  
 144 0.4 19.2 28.8#  
 142 0.0 59.6 89.4#





#37

2-Methylnaphthalene

Concen: 4.038 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

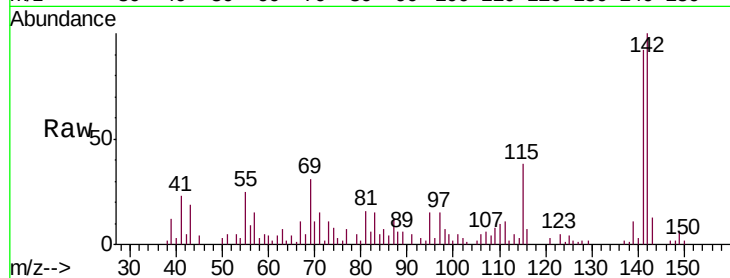
Tgt Ion:142 Resp: 24908

Ion Ratio Lower Upper

142 100

141 91.9 70.7 106.1

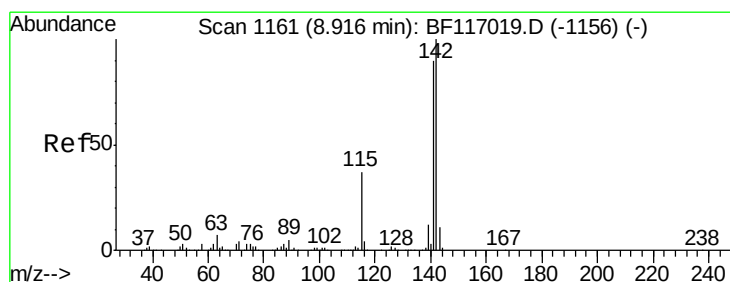
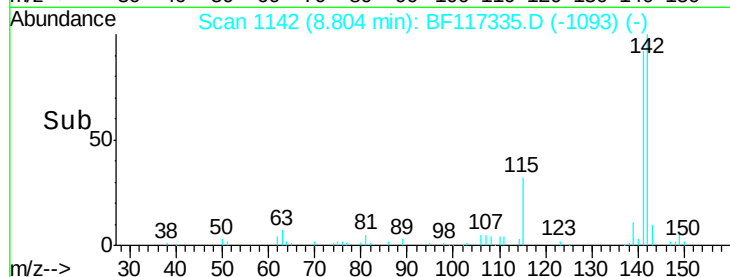
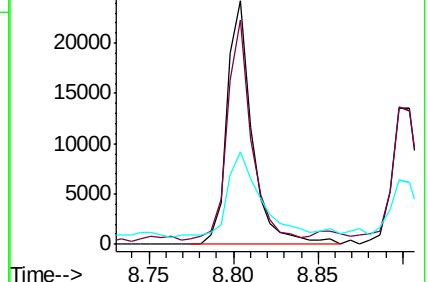
115 38.0 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.706 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

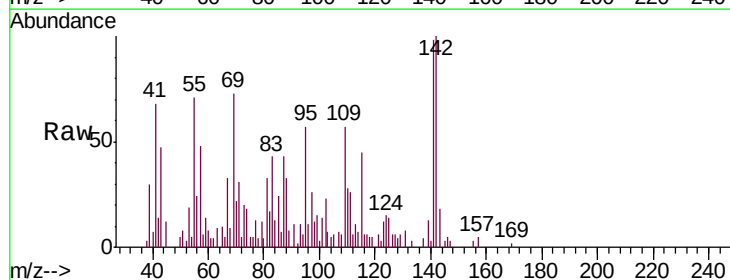
Tgt Ion:142 Resp: 15637

Ion Ratio Lower Upper

142 100

141 97.9 71.9 107.9

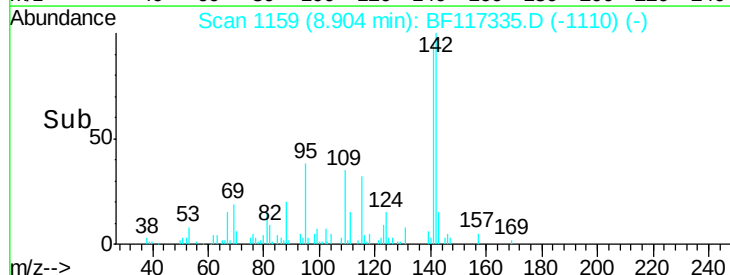
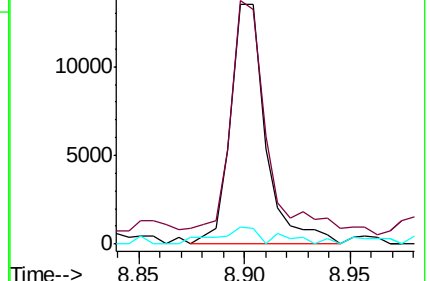
116 6.3 3.2 4.8#



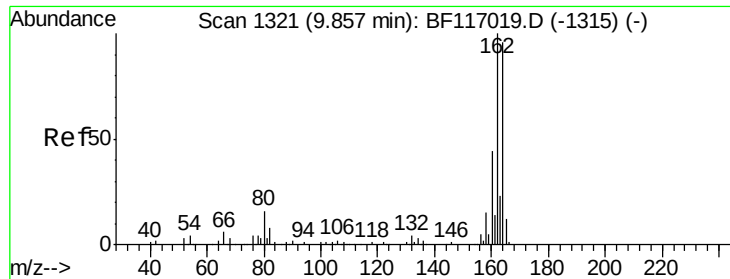
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



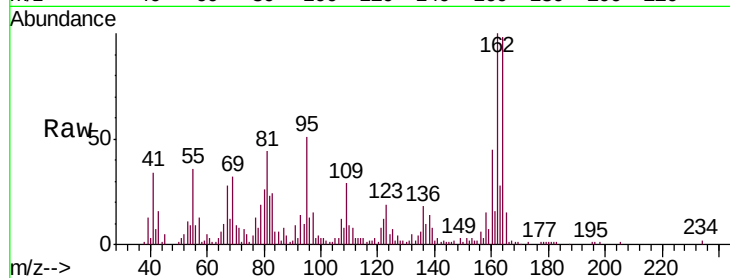




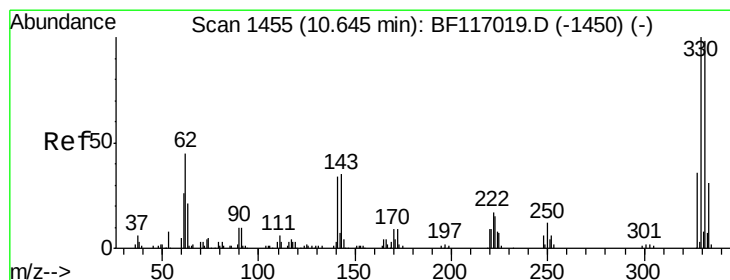
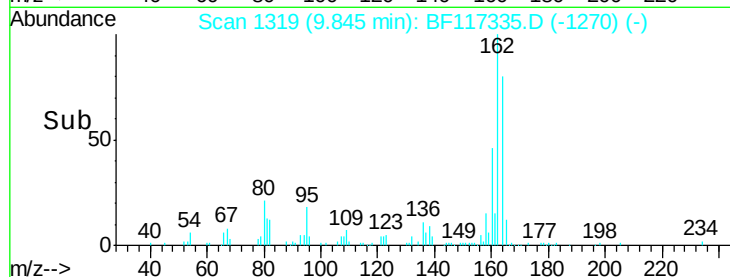
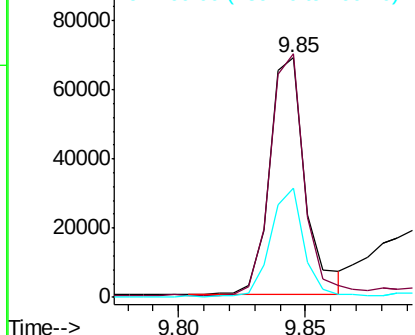
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

Tgt Ion:164 Resp: 67875  
Ion Ratio Lower Upper  
164 100  
162 101.8 83.4 125.2  
160 45.8 36.4 54.6

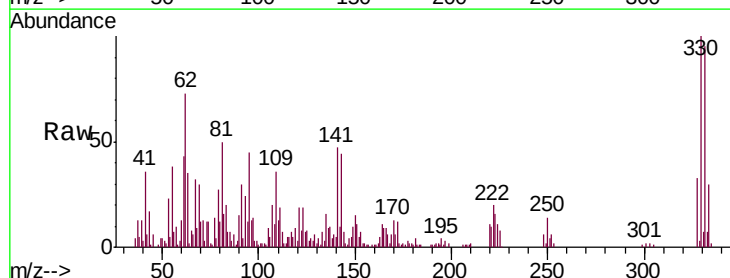


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

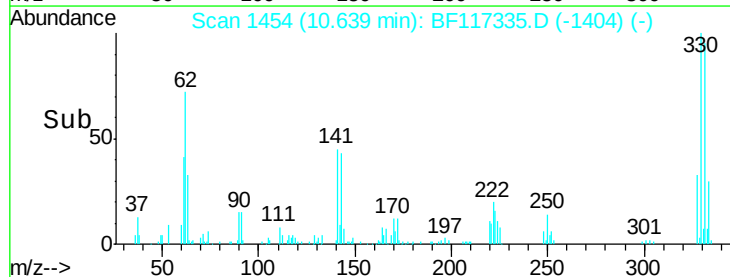
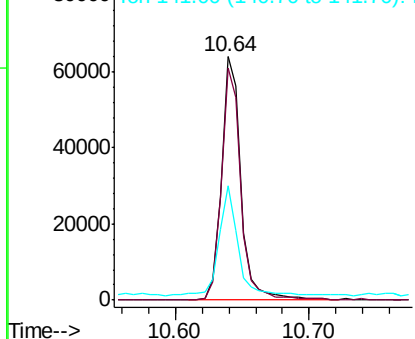


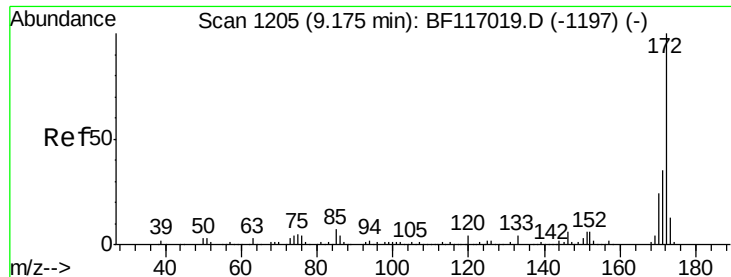
#42  
2,4,6-Tribromophenol  
Concen: 115.592 ng  
RT: 10.64 min Scan# 1454  
Delta R.T. -0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion:330 Resp: 65573  
Ion Ratio Lower Upper  
330 100  
332 95.8 78.0 117.0  
141 43.0 35.8 53.6



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

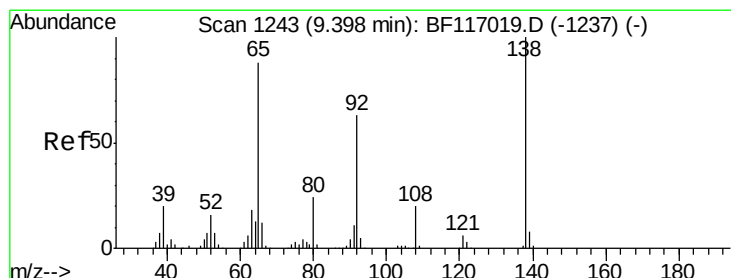
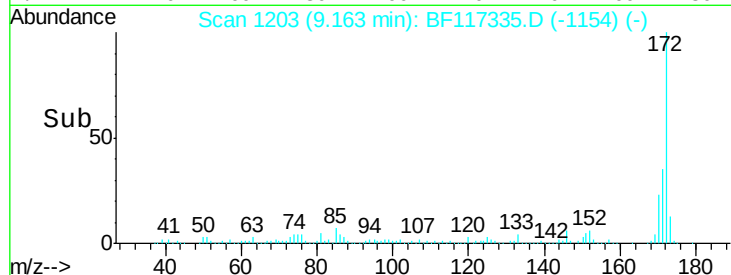
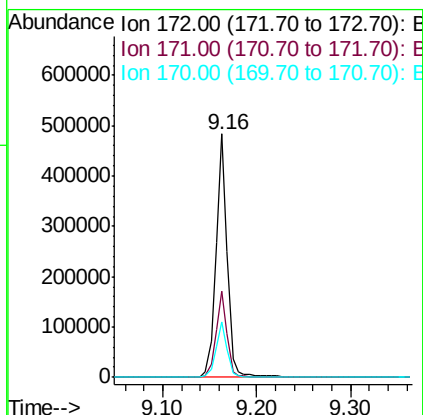
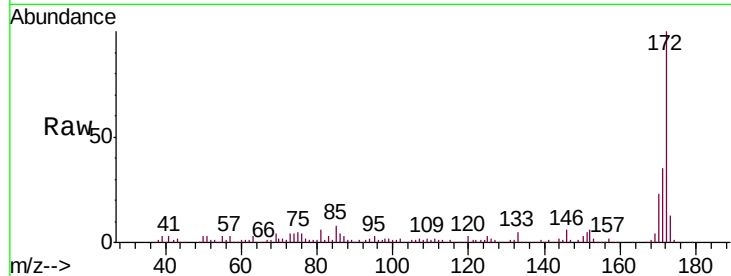




#45  
2-Fluorobiphenyl  
Concen: 95.080 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. -0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

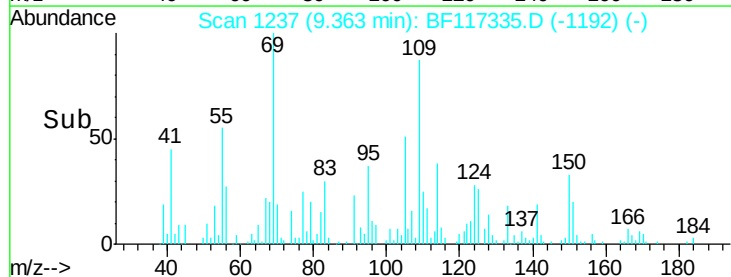
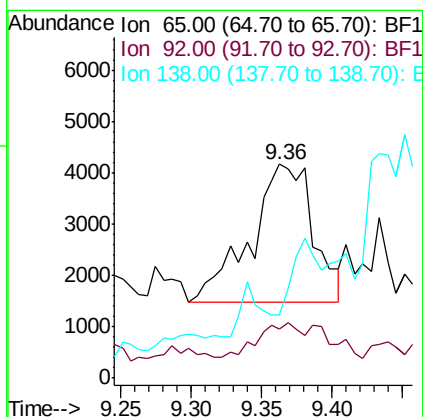
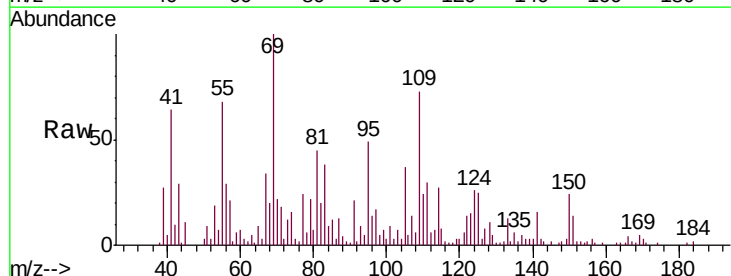
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

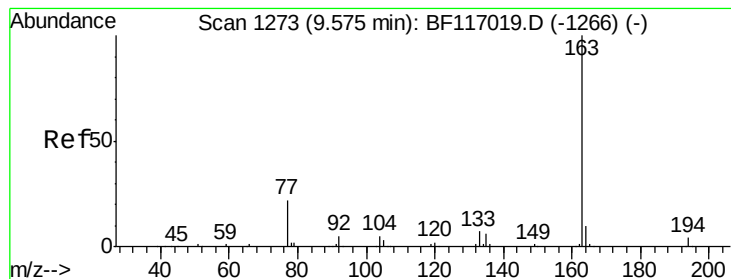
Tgt Ion: 172 Resp: 412742  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.2 42.2  
170 22.9 18.9 28.3



#48  
2-Nitroaniline  
Concen: 6.115 ng  
RT: 9.36 min Scan# 1237  
Delta R.T. -0.04 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion: 65 Resp: 8242  
Ion Ratio Lower Upper  
65 100  
92 23.0 57.5 86.3#  
138 29.3 90.6 136.0#





#50

Dimethylphthalate

Concen: 27.150 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

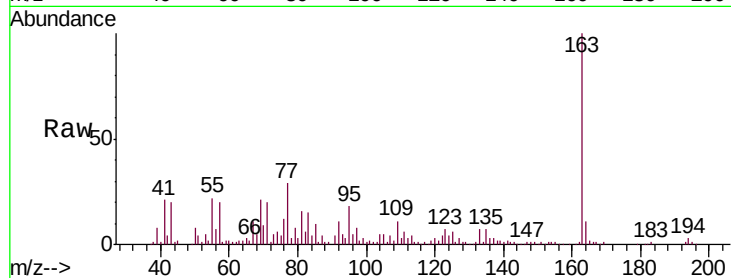
Tgt Ion:163 Resp: 130481

Ion Ratio Lower Upper

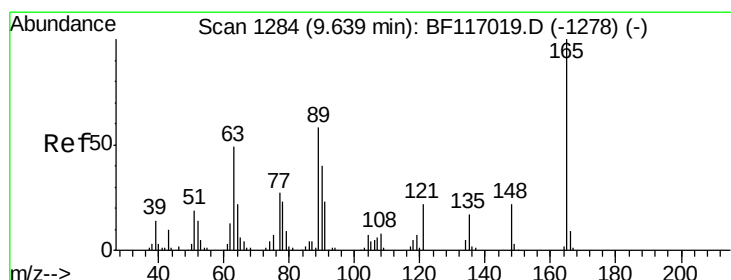
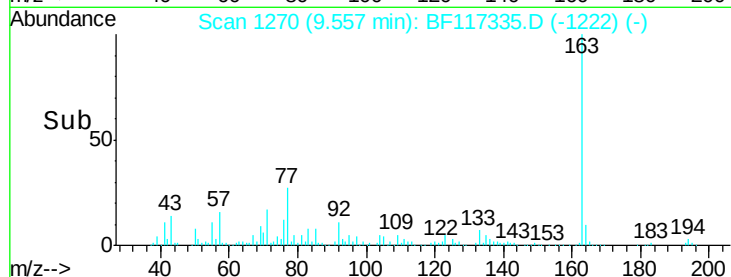
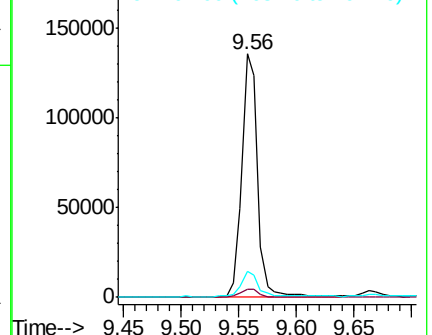
163 100

194 3.4 2.9 4.3

164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 3.150 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.02 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

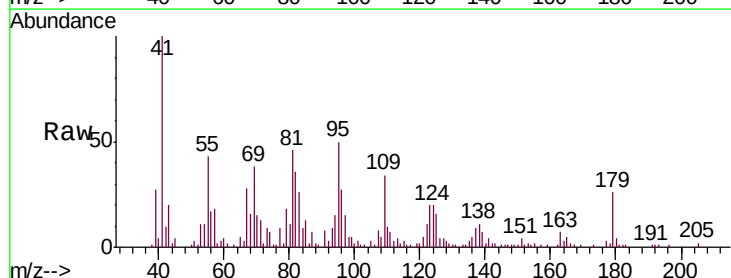
Tgt Ion:165 Resp: 3083

Ion Ratio Lower Upper

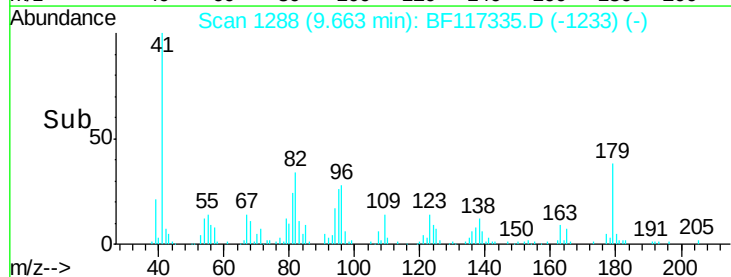
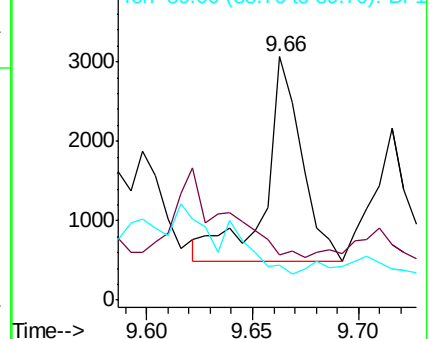
165 100

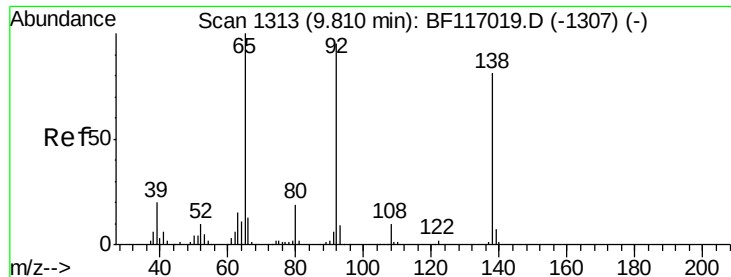
63 18.8 41.8 62.8#

89 14.2 46.5 69.7#



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

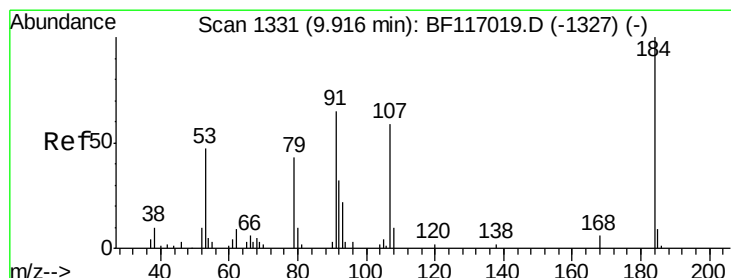
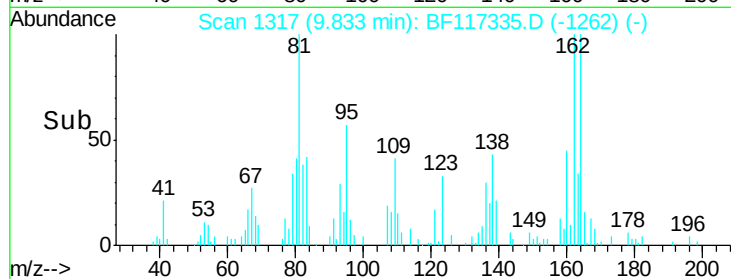
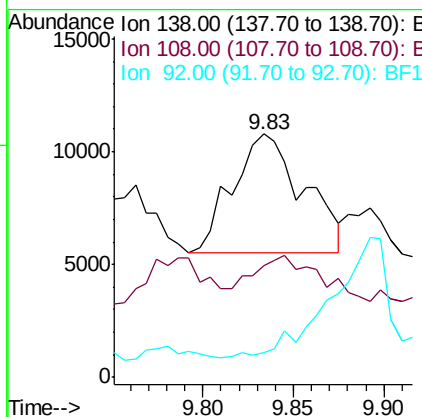
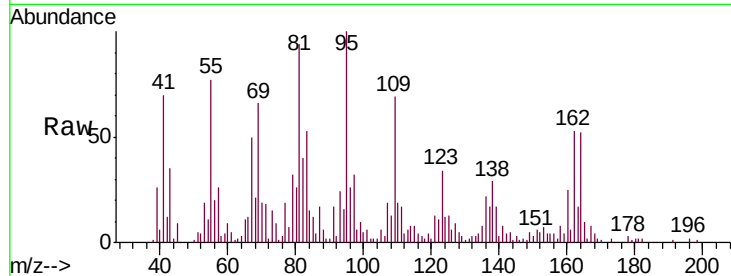




#53  
3-Nitroaniline  
Concen: 11.576 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. 0.02 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

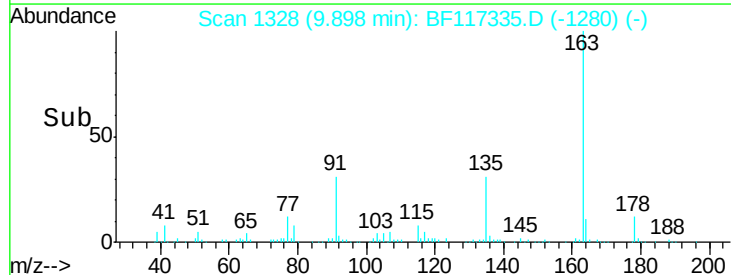
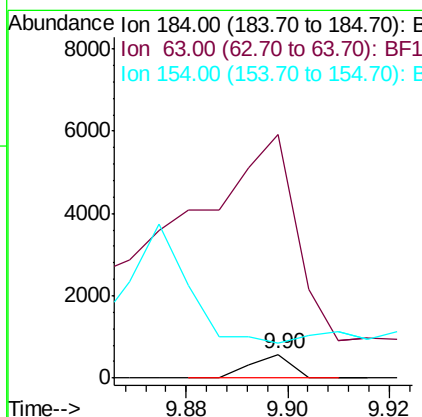
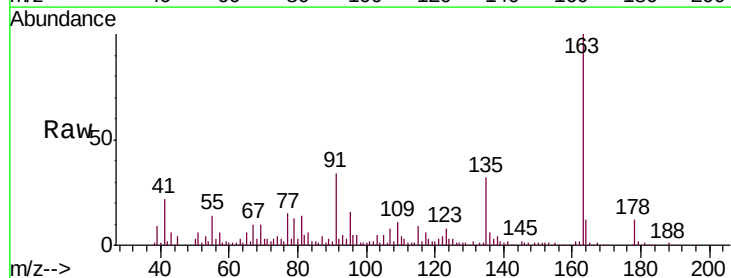
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

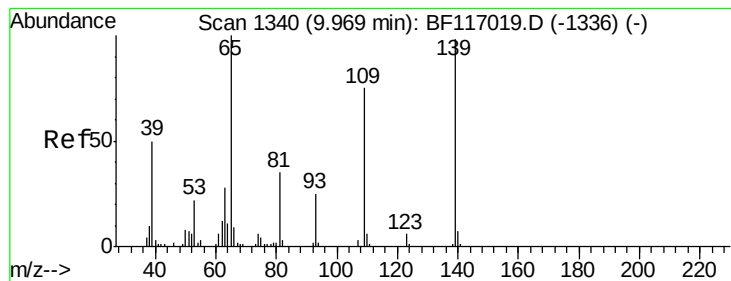
Tgt Ion:138 Resp: 14296  
Ion Ratio Lower Upper  
138 100  
108 45.8 9.5 14.3#  
92 10.3 94.1 141.1#



#54  
2,4-Dinitrophenol  
Concen: 9.828 ng  
RT: 9.90 min Scan# 1328  
Delta R.T. -0.02 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion:184 Resp: 316  
Ion Ratio Lower Upper  
184 100  
63 1030.8 63.8 95.6#  
154 147.6 60.4 90.6#





#56

4-Nitrophenol

Concen: 4.305 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

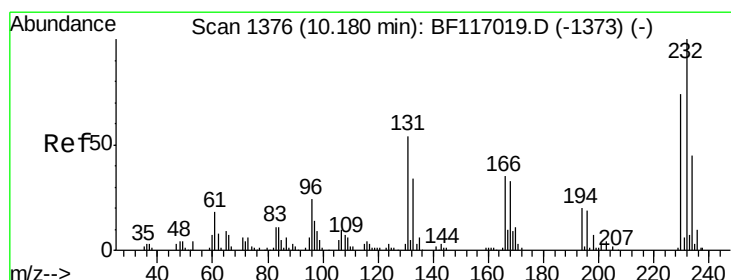
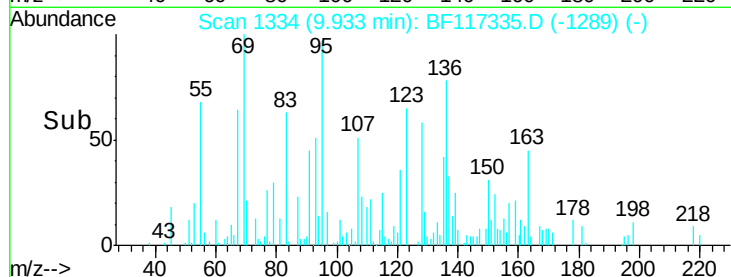
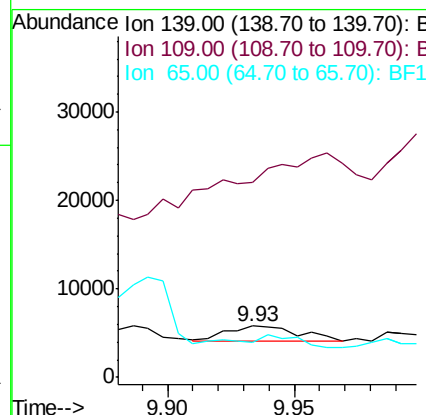
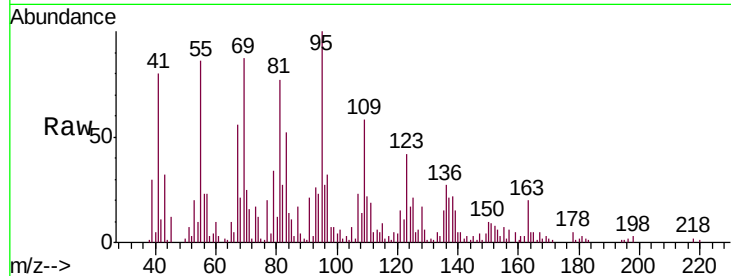
Tgt Ion:139 Resp: 3446

Ion Ratio Lower Upper

139 100

109 382.3 56.4 96.4#

65 68.3 82.5 122.5#



#59

2,3,4,6-Tetrachlorophenol

Concen: 9.758 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Tgt Ion:232 Resp: 9490

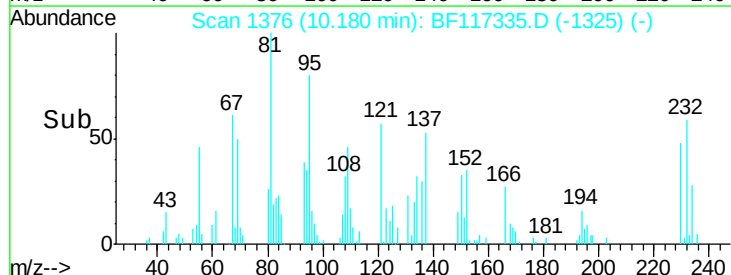
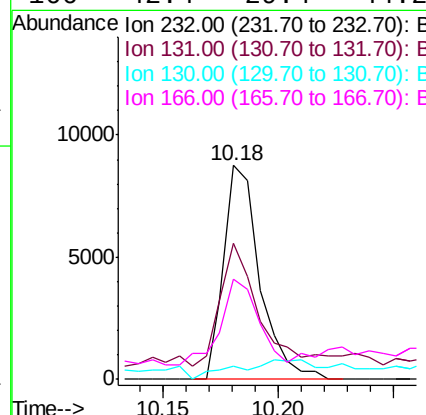
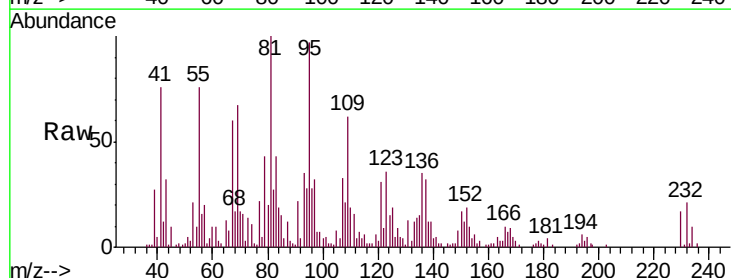
Ion Ratio Lower Upper

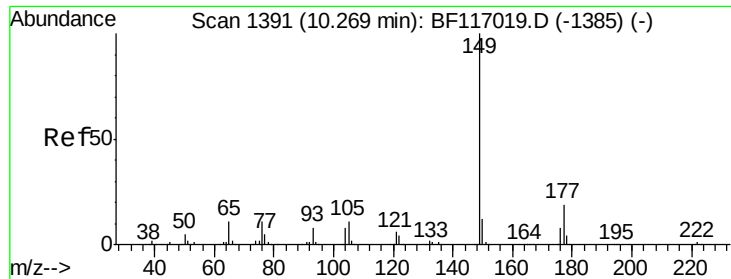
232 100

131 62.0 45.3 67.9

130 19.9 1.8 2.8#

166 42.4 29.4 44.2

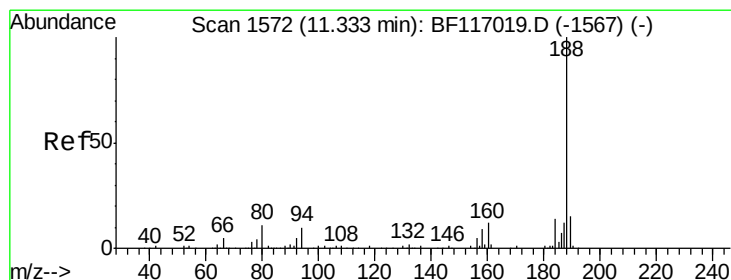
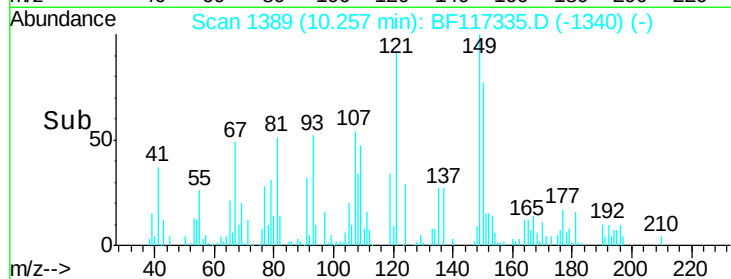
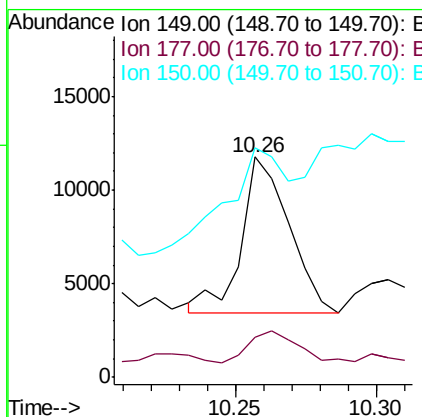
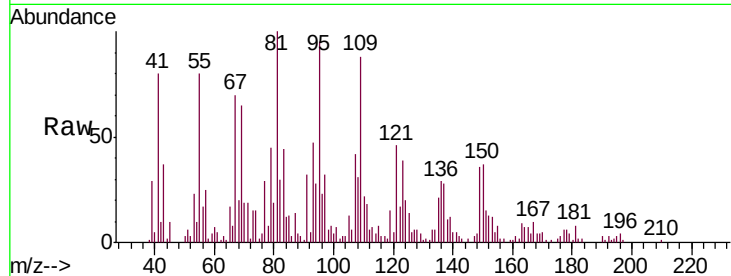




#60  
Diethylphthalate  
Concen: 2.083 ng  
RT: 10.26 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

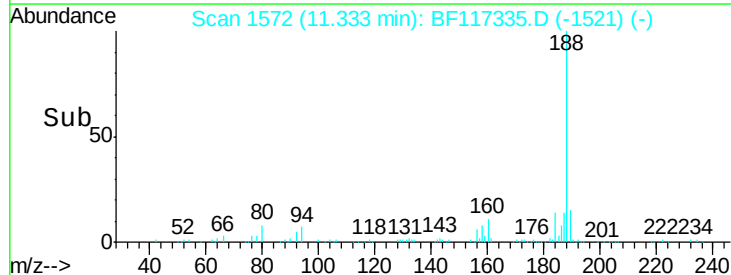
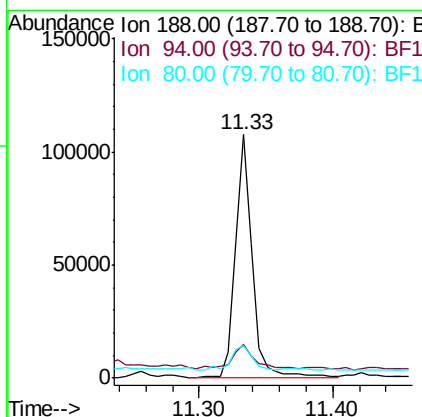
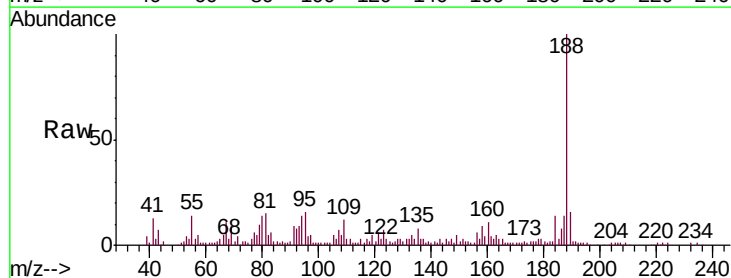
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

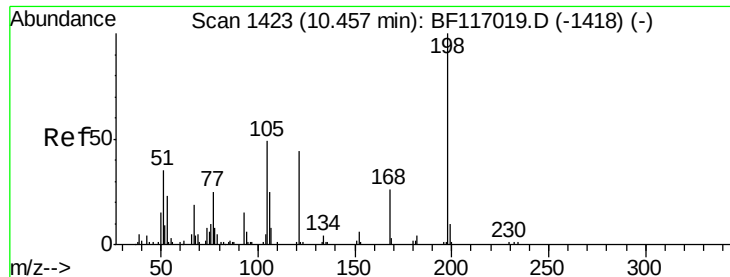
Tgt Ion:149 Resp: 9847  
Ion Ratio Lower Upper  
149 100  
177 18.2 15.2 22.8  
150 103.9 9.9 14.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion:188 Resp: 94268  
Ion Ratio Lower Upper  
188 100  
94 14.1 8.2 12.2#  
80 13.5 9.0 13.6

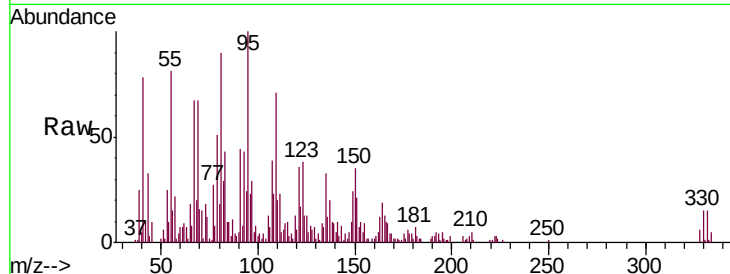




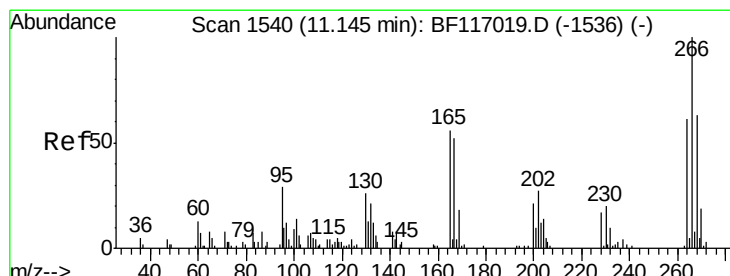
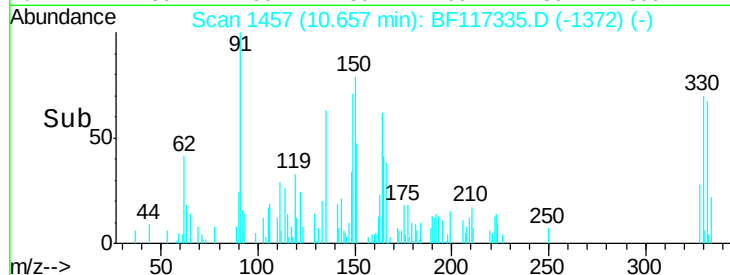
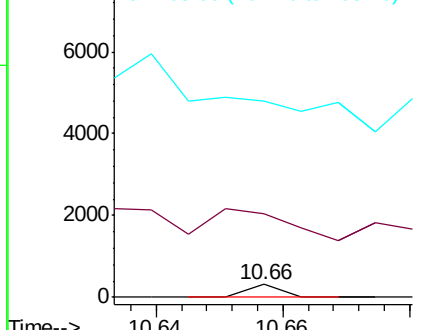
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.124 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. 0.20 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-4

Tgt Ion:198 Resp: 111  
 Ion Ratio Lower Upper  
 198 100  
 51 655.4 18.7 58.7#  
 105 1525.5 30.2 70.2#

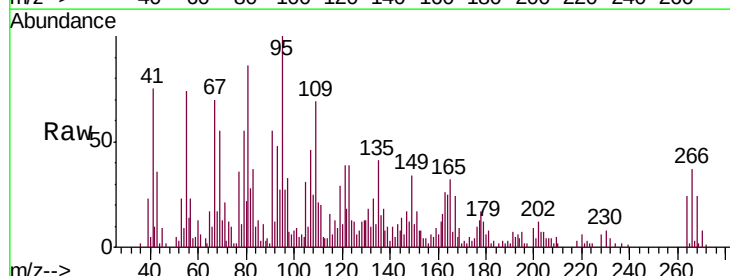


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

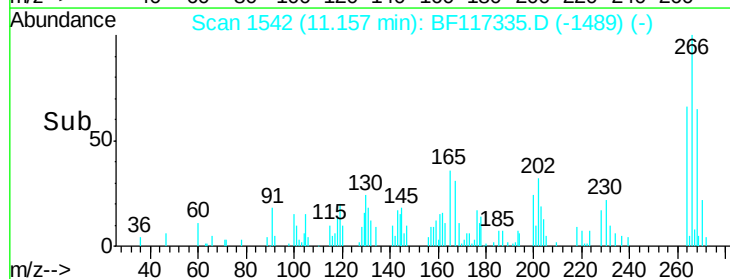
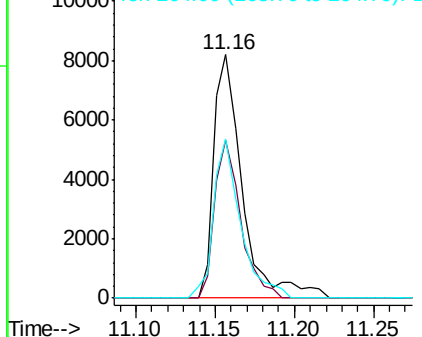


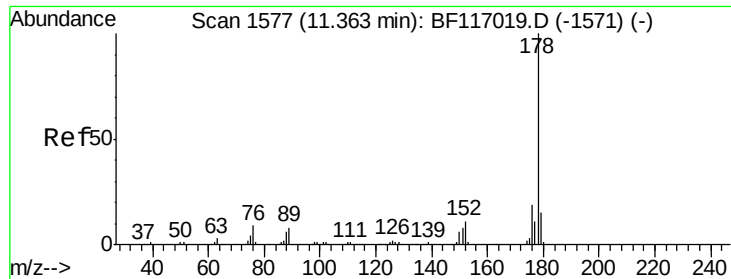
#70  
 Pentachlorophenol  
 Concen: 20.793 ng  
 RT: 11.16 min Scan# 1542  
 Delta R.T. 0.01 min  
 Lab File: BF117335.D  
 Acq: 3 Oct 2019 23:45

Tgt Ion:266 Resp: 10263  
 Ion Ratio Lower Upper  
 266 100  
 268 64.8 50.5 75.7  
 264 65.6 48.8 73.2



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





#71

Phenanthrene

Concen: 2.109 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

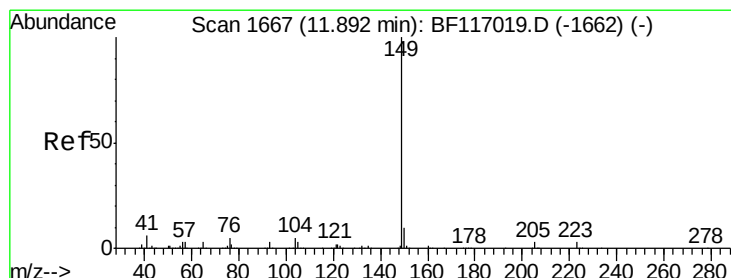
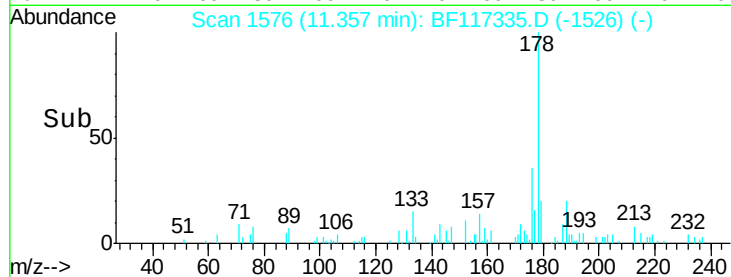
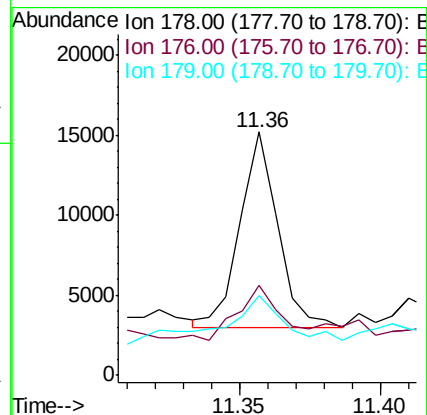
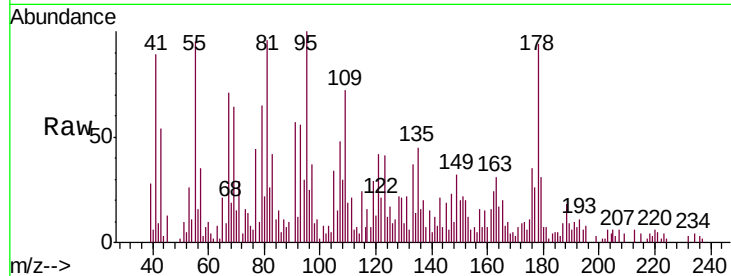
Tgt Ion:178 Resp: 11290

Ion Ratio Lower Upper

178 100

176 36.9 15.4 23.2#

179 32.8 12.4 18.6#



#74

Di-n-butylphthalate

Concen: 6.172 ng

RT: 11.89 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

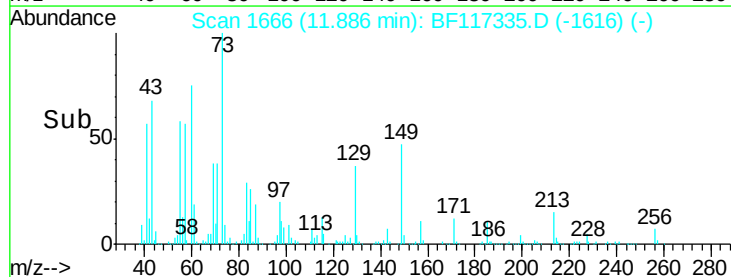
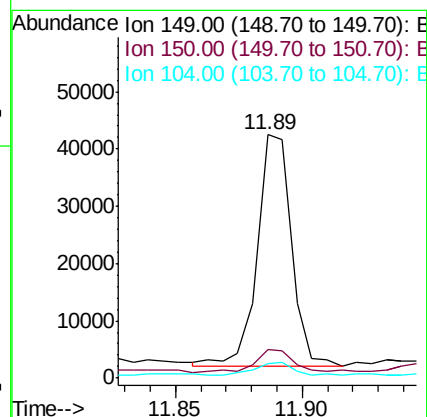
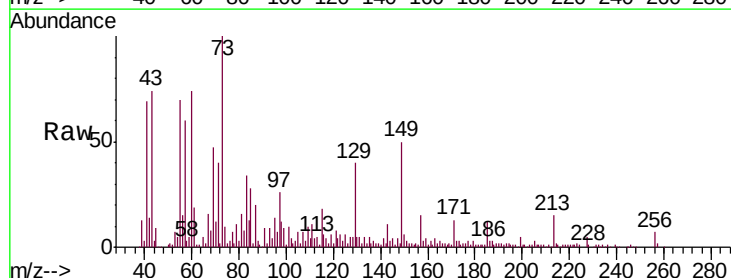
Tgt Ion:149 Resp: 38103

Ion Ratio Lower Upper

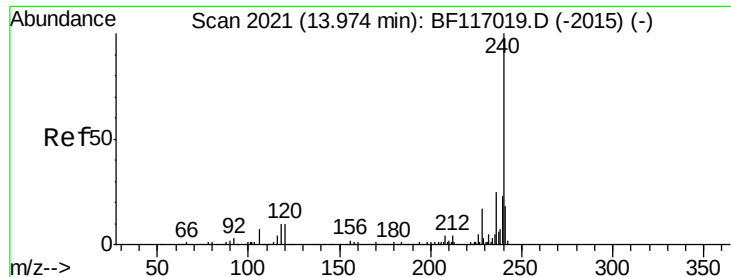
149 100

150 11.9 7.7 11.5#

104 5.8 4.2 6.4



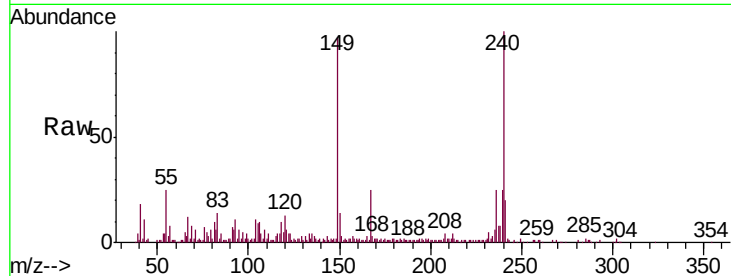




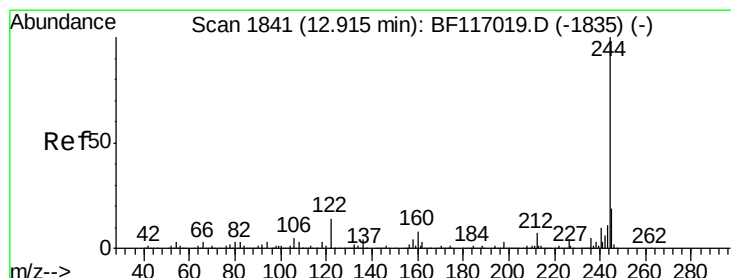
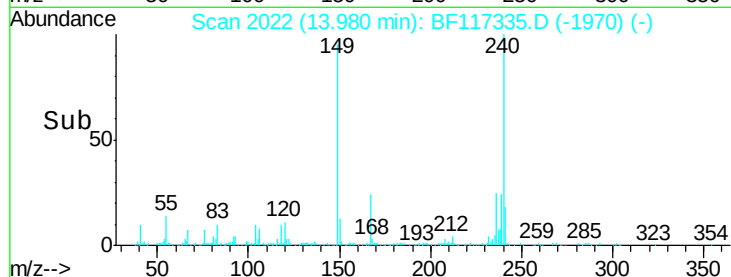
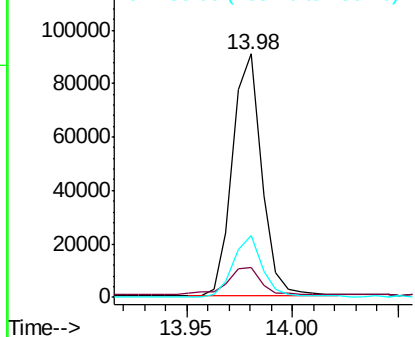
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. 0.01 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

Tgt Ion:240 Resp: 86526  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.3 12.5#  
236 25.4 20.3 30.5

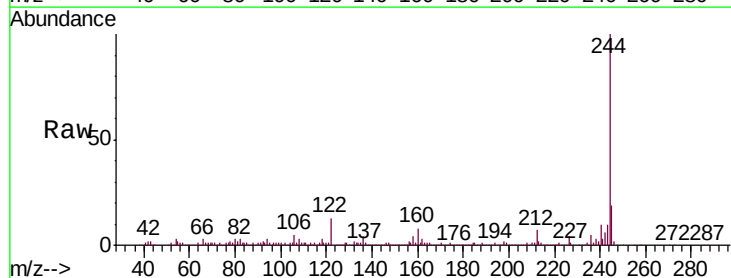


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

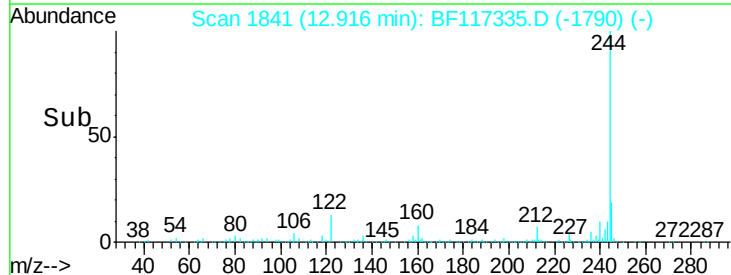
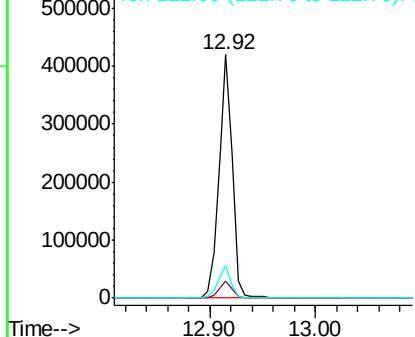


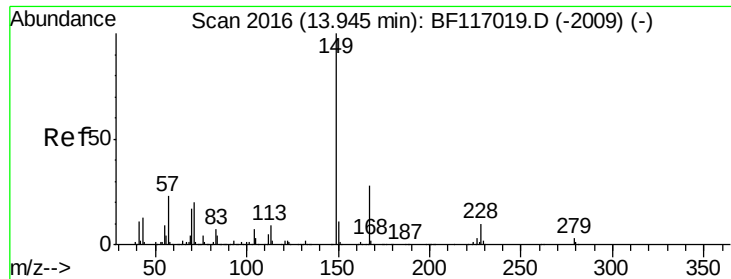
#79  
Terphenyl-d14  
Concen: 81.556 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Tgt Ion:244 Resp: 377522  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.8 8.8  
122 13.4 11.3 16.9



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 19.569 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-4

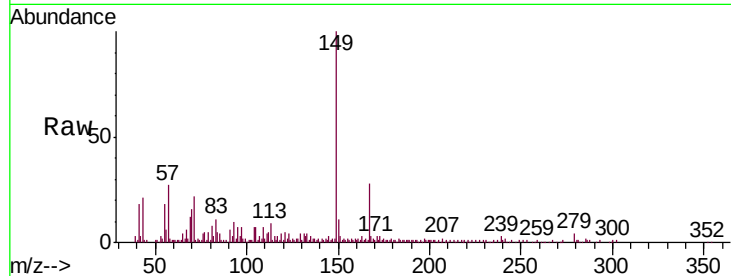
Tgt Ion:149 Resp: 86556

Ion Ratio Lower Upper

149 100

167 28.5 22.2 33.2

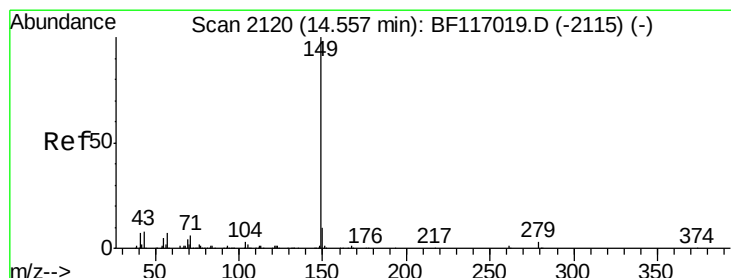
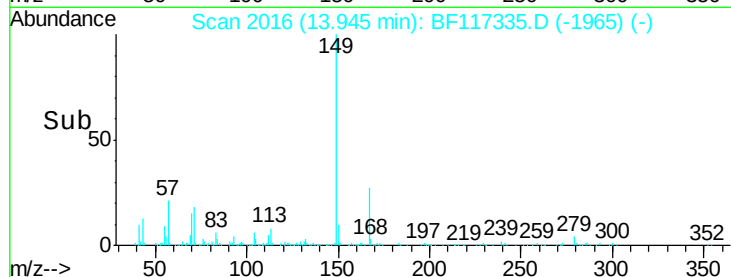
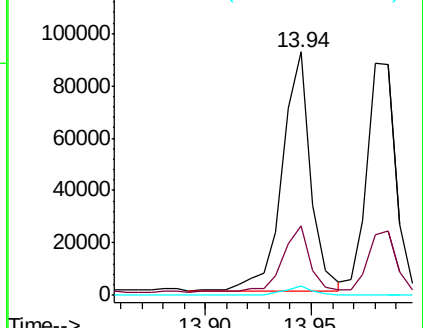
279 3.8 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.549 ng

RT: 14.56 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BF117335.D

Acq: 3 Oct 2019 23:45

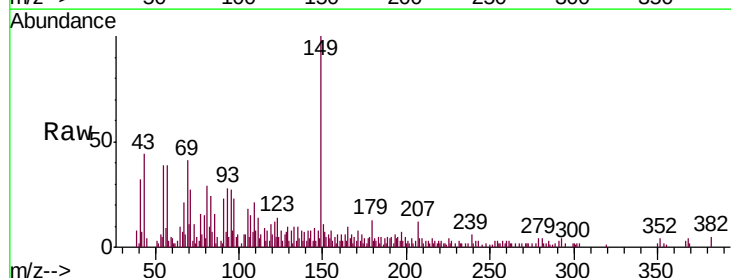
Tgt Ion:149 Resp: 17745

Ion Ratio Lower Upper

149 100

167 5.6 1.2 1.8#

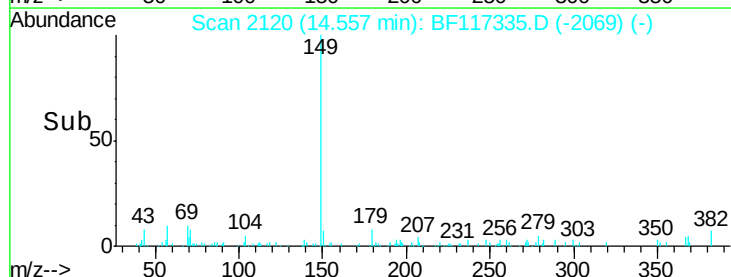
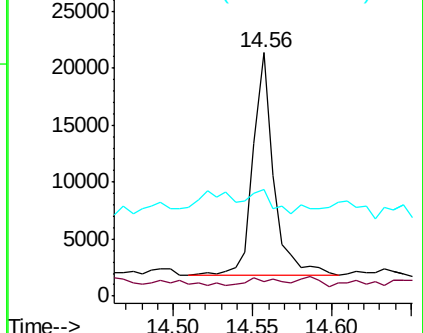
43 13.3 6.2 9.4#

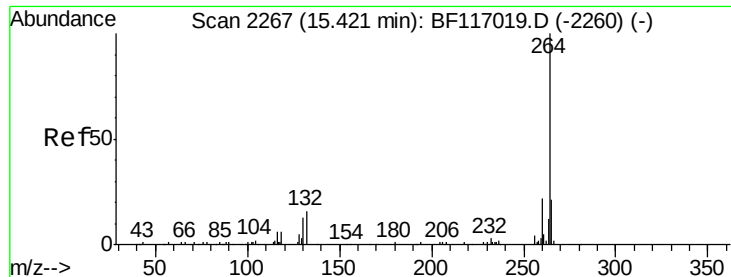


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.02 min  
Lab File: BF117335.D  
Acq: 3 Oct 2019 23:45

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-4

Tgt Ion: 264 Resp: 70188  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.3  | 17.6  | 26.4  |
| 265 | 20.4  | 16.6  | 24.8  |

