

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
 Data File : BF117512.D  
 Acq On : 24 Oct 2019 16:13  
 Operator : JU  
 Sample : K5497-11  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 167-58-(0-1)

Quant Time: Oct 25 01:03:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.73  | 152  | 48622    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.02  | 136  | 197150   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 104260   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 159252   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.89 | 240  | 95921    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.33 | 264  | 105220   | 20.00 | ng    | 0.01     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.36  | 112 | 276458 | 84.59 | ng | 0.00 |
| 7) Phenol-d6                | 6.38  | 99  | 375400 | 85.52 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.30  | 82  | 228262 | 57.16 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330 | 69826  | 77.40 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.09  | 172 | 350468 | 47.36 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.83 | 244 | 266293 | 45.28 | ng | 0.00 |

|                                |       |     |        |           |    |      |
|--------------------------------|-------|-----|--------|-----------|----|------|
| Target Compounds               |       |     |        | Qvalue    |    |      |
| 6) Aniline                     | 6.51  | 93  | 333    | 0.065     | ng | # 1  |
| 9) Benzaldehyde                | 6.38  | 77  | 299    | Below Cal |    | # 3  |
| 10) Phenol                     | 6.39  | 94  | 9018   | 2.013     | ng | # 86 |
| 11) bis(2-Chloroethyl)ether    | 6.51  | 93  | 333    | 0.100     | ng | # 1  |
| 15) Benzyl Alcohol             | 6.89  | 79  | 3570   | 1.138     | ng | # 50 |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70  | 29458  | 10.988    | ng | # 78 |
| 24) Nitrobenzene               | 7.30  | 77  | 448    | 0.117     | ng | # 41 |
| 25) Isophorone                 | 7.30  | 82  | 228259 | 33.041    | ng | # 65 |
| 31) Naphthalene                | 8.03  | 128 | 118    | 0.012     | ng | # 69 |
| 46) 1,1'-Biphenyl              | 9.19  | 154 | 514    | 0.060     | ng | # 75 |
| 48) 2-Nitroaniline             | 9.49  | 65  | 277    | 0.130     | ng | # 1  |
| 49) Acenaphthylene             | 9.79  | 152 | 327    | 0.034     | ng | # 1  |
| 50) Dimethylphthalate          | 9.48  | 163 | 37133  | 4.996     | ng | # 99 |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165 | 12780  | 8.240     | ng | # 22 |
| 52) Acenaphthene               | 9.79  | 154 | 495    | 0.084     | ng | # 92 |
| 55) Dibenzofuran               | 9.98  | 168 | 247    | 0.029     | ng | # 45 |
| 56) 4-Nitrophenol              | 9.98  | 139 | 107    | 4.247     | ng | # 6  |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165 | 12780  | 6.198     | ng | # 12 |
| 58) Fluorene                   | 10.32 | 166 | 710    | 0.101     | ng | # 83 |
| 63) Azobenzene                 | 10.55 | 77  | 403    | 0.052     | ng | # 33 |
| 66) n-Nitrosodiphenylamine     | 10.56 | 169 | 2606   | 0.448     | ng | # 39 |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248 | 4642   | 2.706     | ng | # 1  |
| 71) Phenanthrene               | 11.27 | 178 | 11655  | 1.260     | ng | # 96 |
| 72) Anthracene                 | 11.27 | 178 | 11655  | 1.228     | ng | # 95 |
| 73) Carbazole                  | 11.50 | 167 | 883    | 0.102     | ng | # 59 |
| 74) Di-n-butylphthalate        | 11.80 | 149 | 271    | 0.023     | ng | # 78 |
| 75) Fluoranthene               | 12.46 | 202 | 17302  | 1.869     | ng | # 96 |
| 77) Benzidine                  | 12.83 | 184 | 3611   | Below Cal |    | # 94 |
| 78) Pyrene                     | 12.69 | 202 | 14282  | 1.733     | ng | # 95 |
| 80) Butylbenzylphthalate       | 13.30 | 149 | 3551   | 0.866     | ng | # 97 |
| 81) Benzo(a)anthracene         | 13.88 | 228 | 6286   | 0.972     | ng | # 94 |
| 83) Chrysene                   | 13.92 | 228 | 5753   | 0.907     | ng | # 96 |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 1478   | 0.257     | ng | # 88 |
| 85) Di-n-octyl phthalate       | 14.47 | 149 | 495    | 0.056     | ng | # 1  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117512.D  
Acq On : 24 Oct 2019 16:13  
Operator : JU  
Sample : K5497-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Quant Time: Oct 25 01:03:52 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 18:53:31 2019  
Response via : Initial Calibration

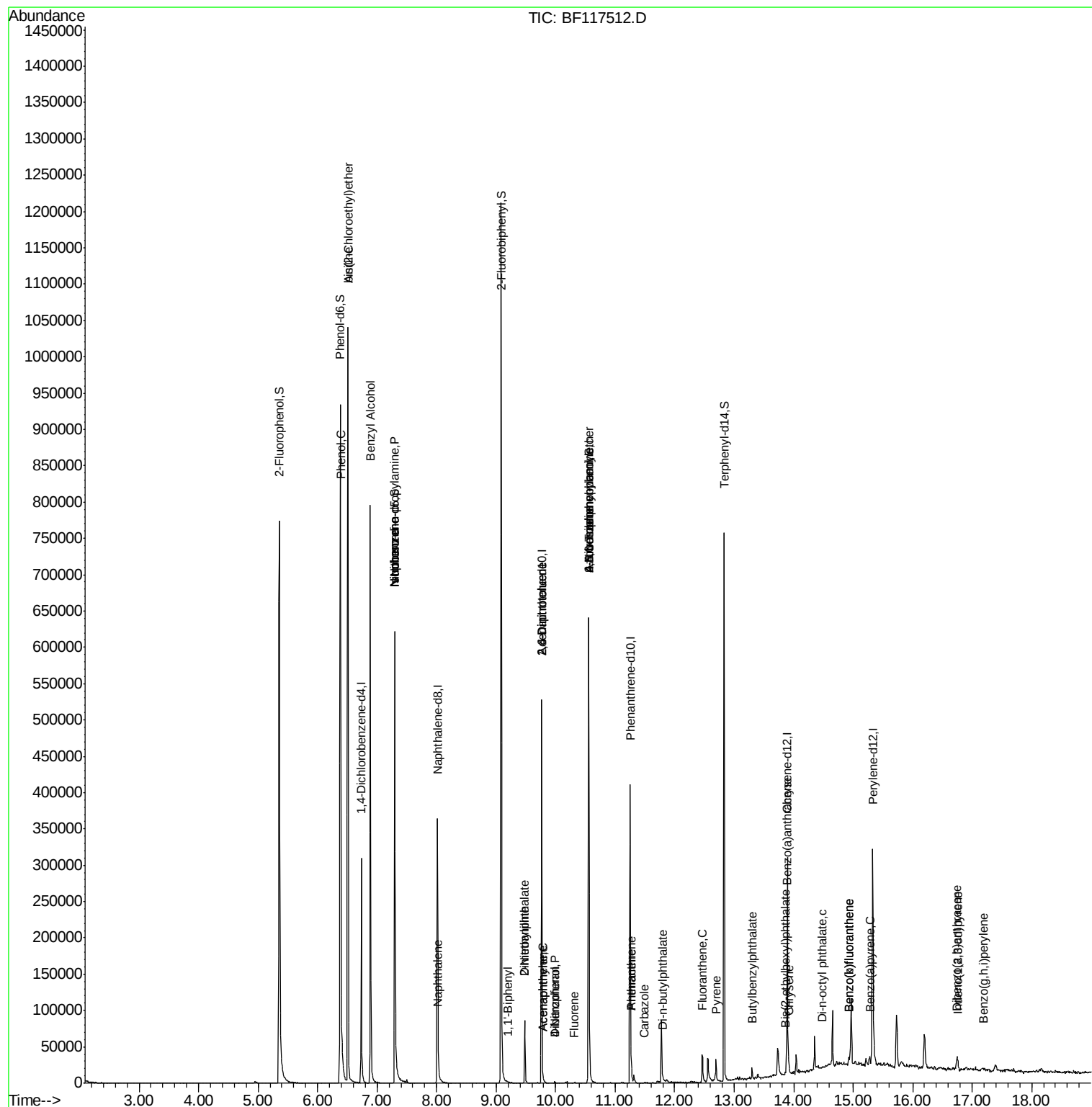
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 86) Indeno(1,2,3-cd)pyrene | 16.76 | 276  | 3307     | 0.699 | nq    | # 87     |
| 88) Benzo(b)fluoranthene   | 14.93 | 252  | 10056    | 1.618 | nq    | # 85     |
| 89) Benzo(k)fluoranthene   | 14.93 | 252  | 10056    | 1.579 | nq    | # 85     |
| 90) Benzo(a)pyrene         | 15.28 | 252  | 5280     | 0.935 | nq    | # 84     |
| 91) Dibenzo(a,h)anthracene | 16.75 | 278  | 117      | 0.024 | nq    | # 57     |
| 92) Benzo(a,h,i)perylene   | 17.18 | 276  | 2991     | 0.647 | nq    | # 82     |

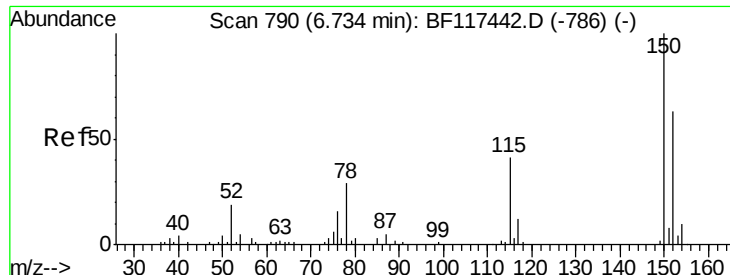
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117512.D  
Acq On : 24 Oct 2019 16:13  
Operator : JU  
Sample : K5497-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Quant Time: Oct 25 01:03:52 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 18 18:53:31 2019  
Response via : Initial Calibration



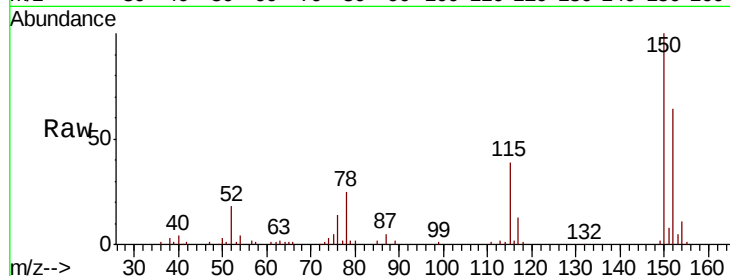


#1

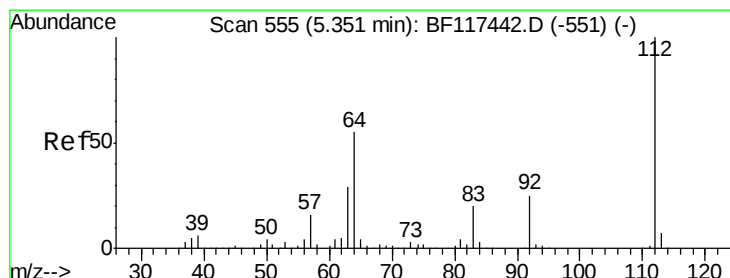
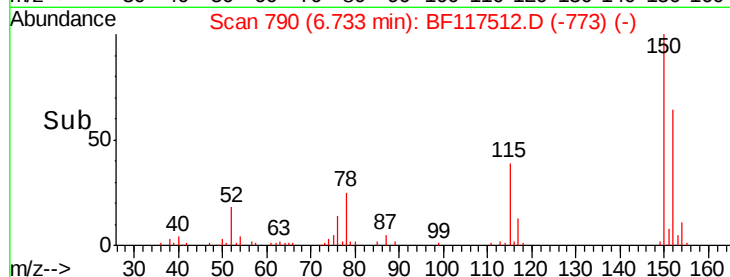
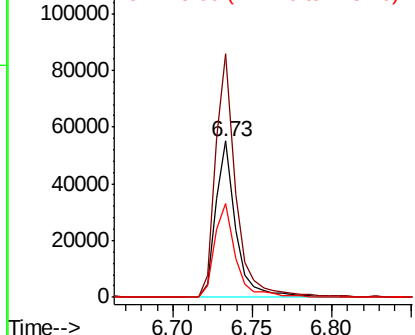
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:152 Resp: 48622  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.8 190.2  
115 60.4 51.6 77.4



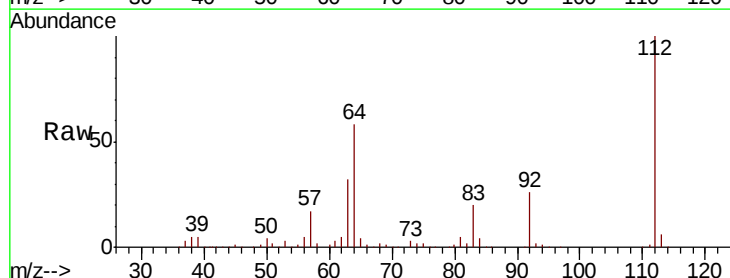
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



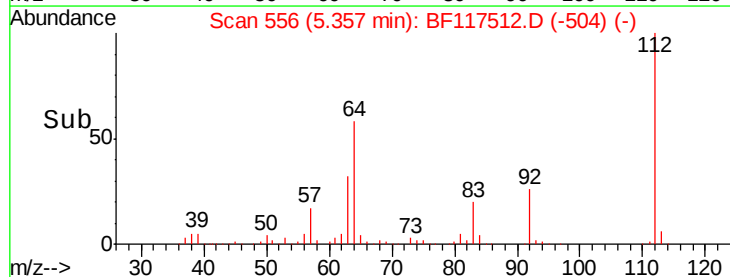
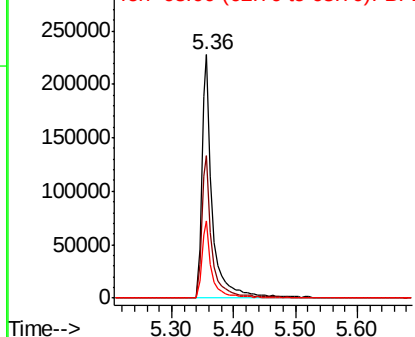
#5

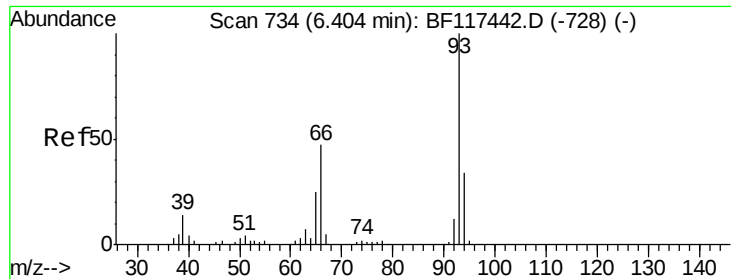
2-Fluorophenol  
Concen: 84.589 ng  
RT: 5.36 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:112 Resp: 276458  
Ion Ratio Lower Upper  
112 100  
64 58.3 44.1 66.1  
63 31.9 23.4 35.2



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





#6

Aniline

Concen: 0.065 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

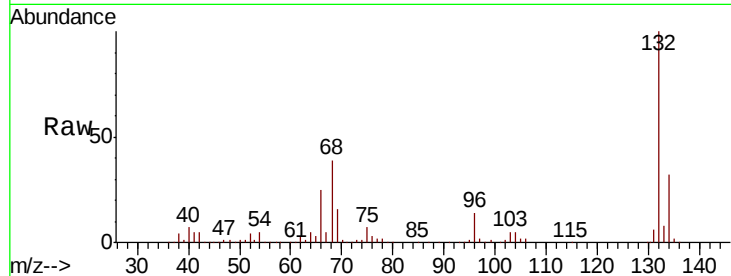
Tot Ion: 93 Resp: 333

Ion Ratio Lower Upper

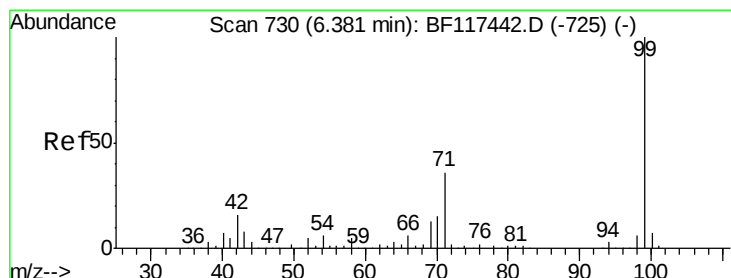
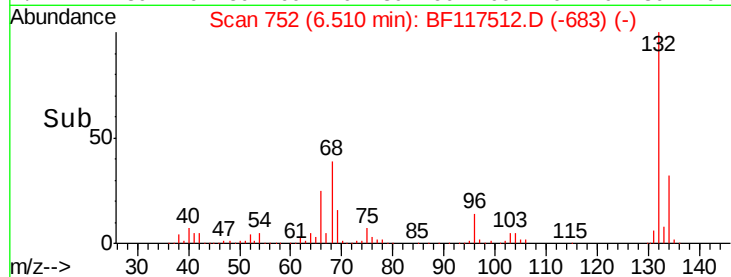
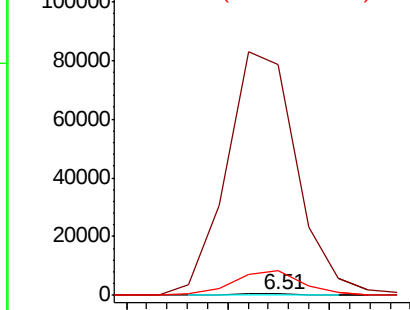
93 100

66 16346.7 38.7 58.1#

65 1711.0 20.1 30.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 85.520 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

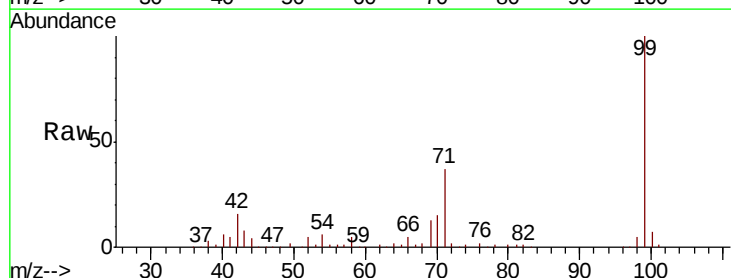
Tgt Ion: 99 Resp: 375400

Ion Ratio Lower Upper

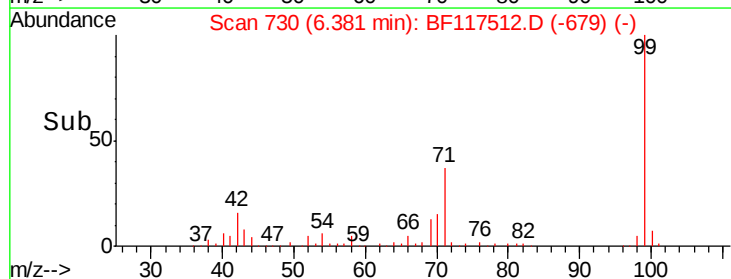
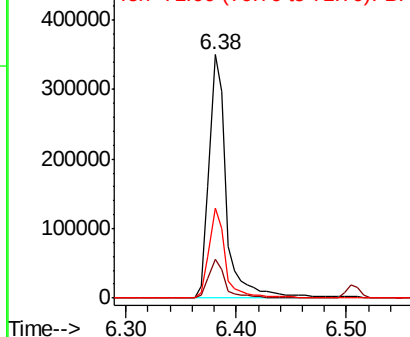
99 100

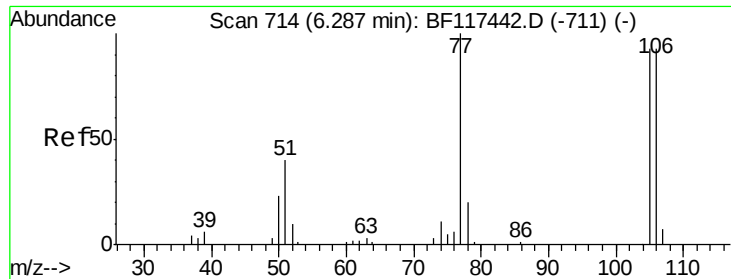
42 15.7 12.8 19.2

71 36.8 28.6 43.0



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





#9

Benzaldehyde

Concen: Below Cal

RT: 6.38 min Scan# 730

Delta R.T. 0.09 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

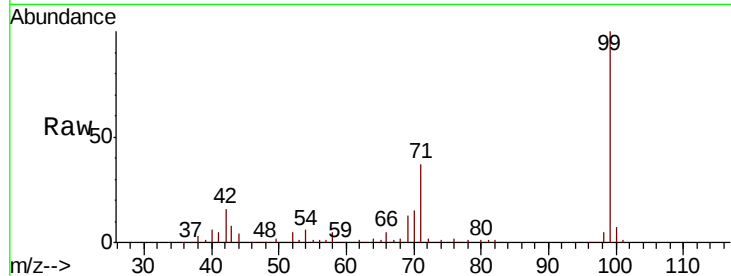
Tot Ion: 77 Resp: 299

Ion Ratio Lower Upper

77 100

105 0.0 73.4 113.4#

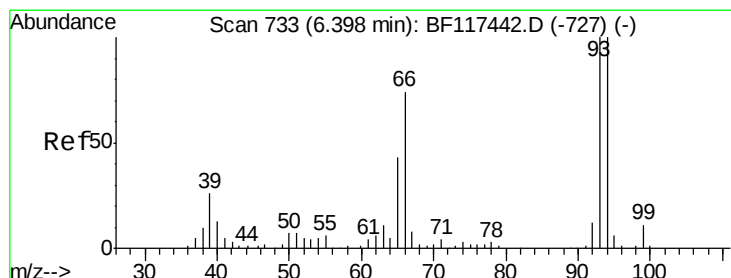
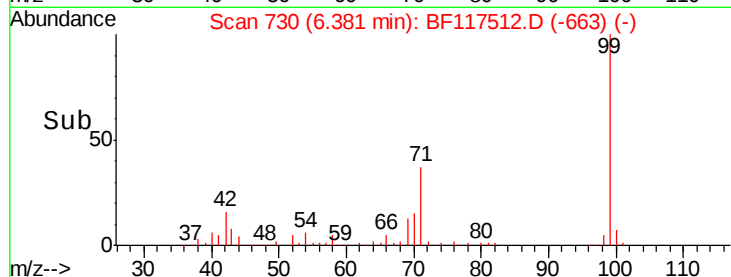
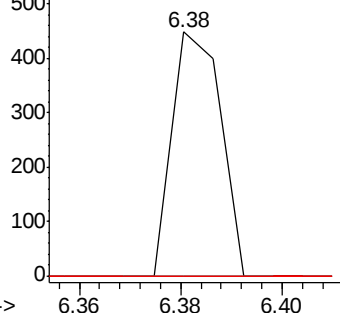
106 0.0 73.0 113.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 2.013 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

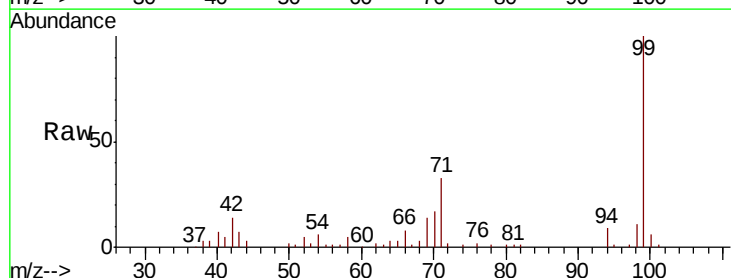
Tgt Ion: 94 Resp: 9018

Ion Ratio Lower Upper

94 100

65 31.0 23.4 63.4

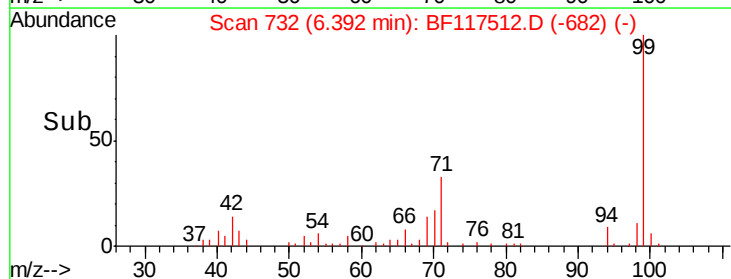
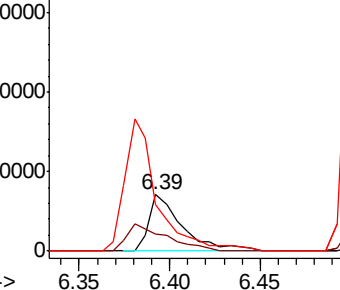
66 83.5 54.7 94.7

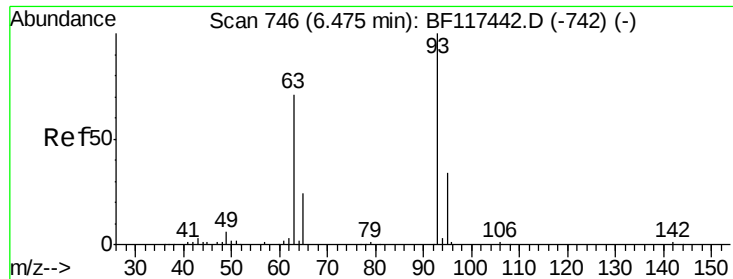


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

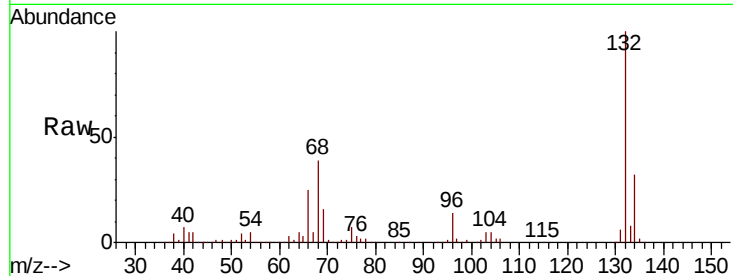




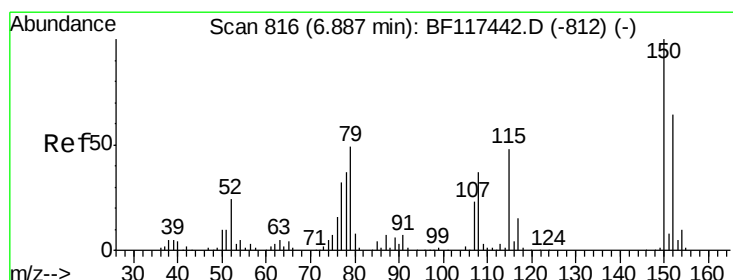
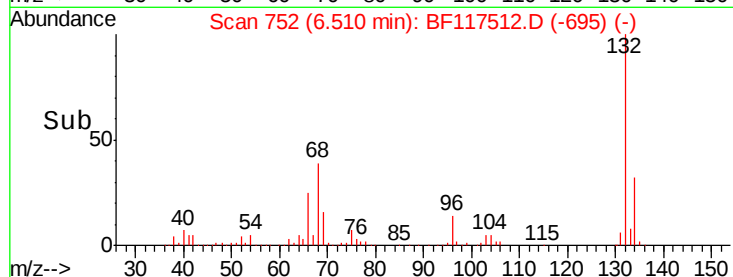
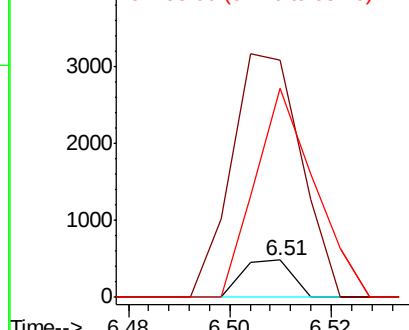
#11  
bis(2-Chloroethyl)ether  
Concen: 0.100 ng  
RT: 6.51 min Scan# 752  
Delta R.T. 0.04 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion: 93 Resp: 333  
Ion Ratio Lower Upper  
93 100  
63 643.1 50.2 90.2#  
95 566.9 13.9 53.9#

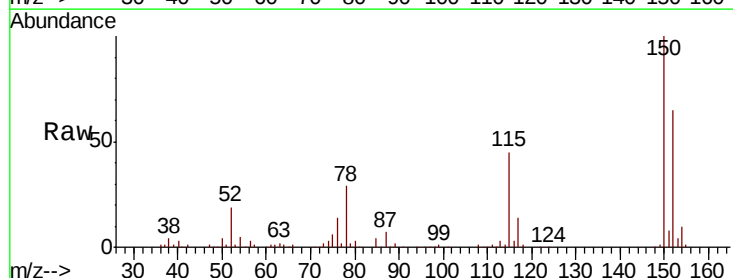


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

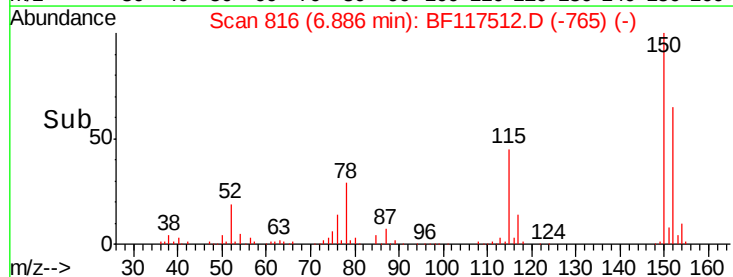
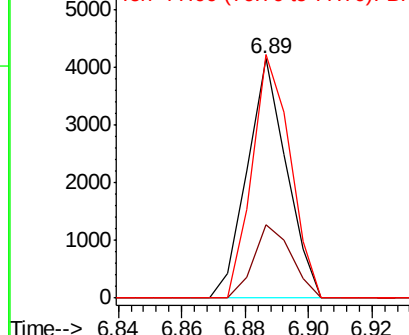


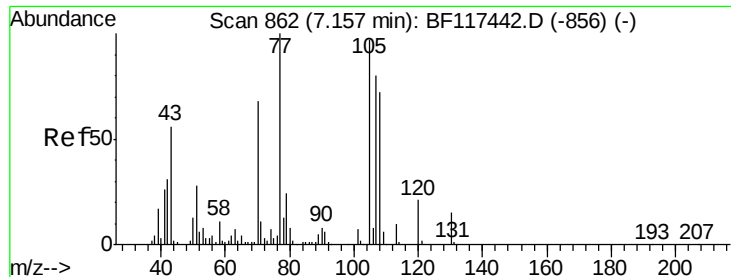
#15  
Benzyl Alcohol  
Concen: 1.138 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion: 79 Resp: 3570  
Ion Ratio Lower Upper  
79 100  
108 30.7 59.8 89.8#  
77 101.7 51.4 77.0#



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

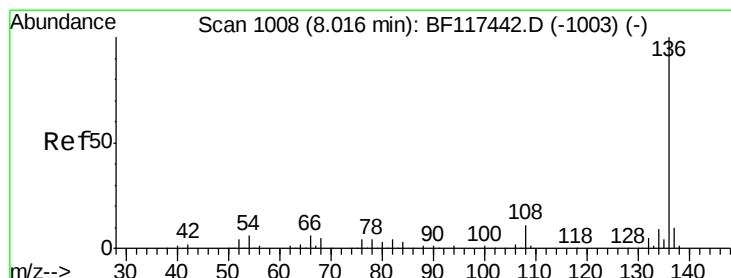
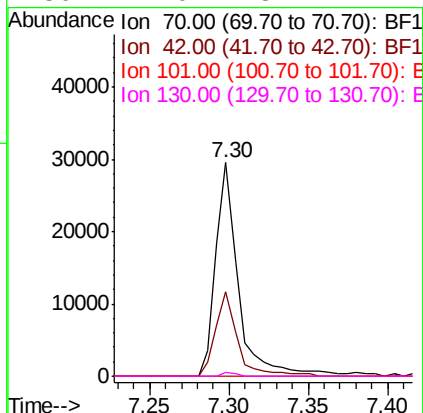
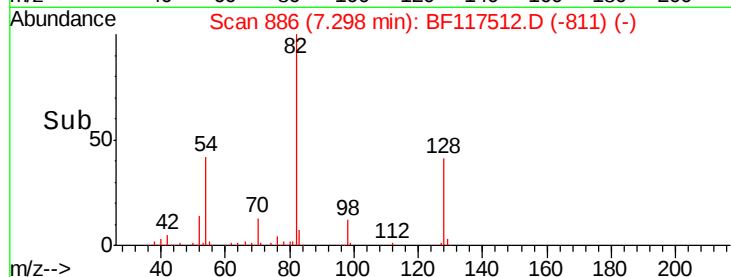
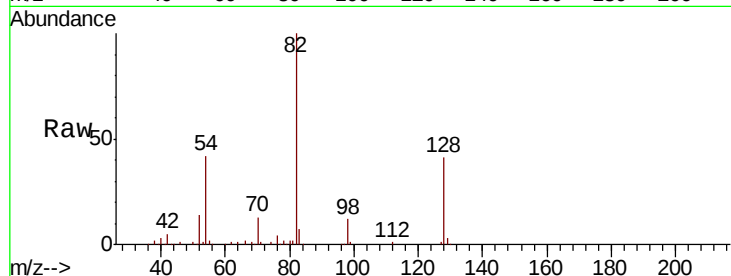




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.988 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.14 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

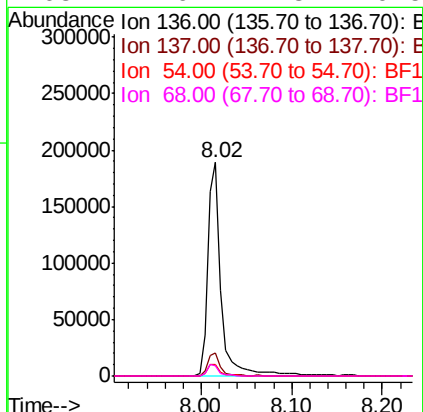
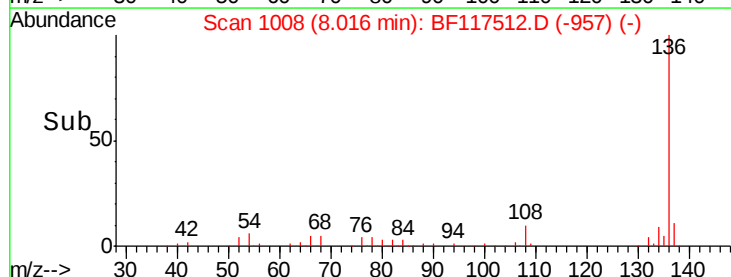
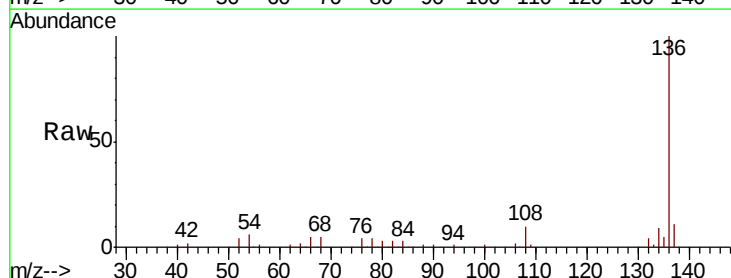
Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

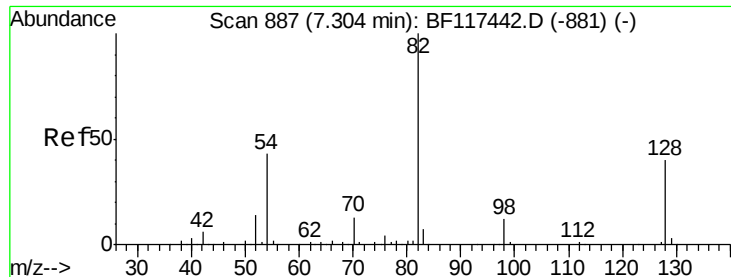
Tot Ion: 70 Resp: 29458  
Ion Ratio Lower Upper  
70 100  
42 39.5 36.7 55.1  
101 0.0 8.3 12.5#  
130 2.0 18.1 27.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion: 136 Resp: 197150  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.2 12.4  
54 5.6 4.5 6.7  
68 4.6 4.3 6.5

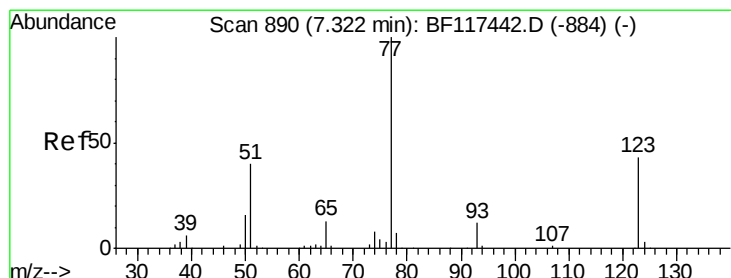
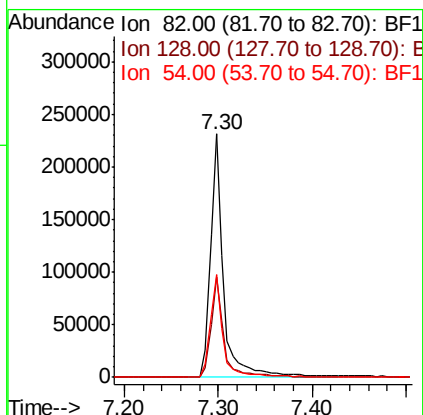
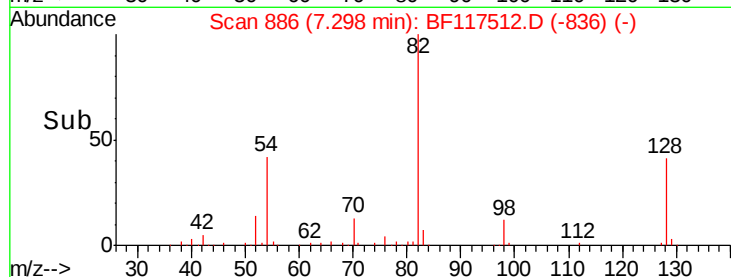
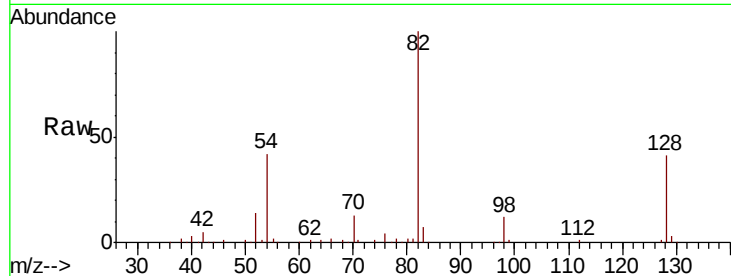




#23  
Nitrobenzene-d5  
Concen: 57.159 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

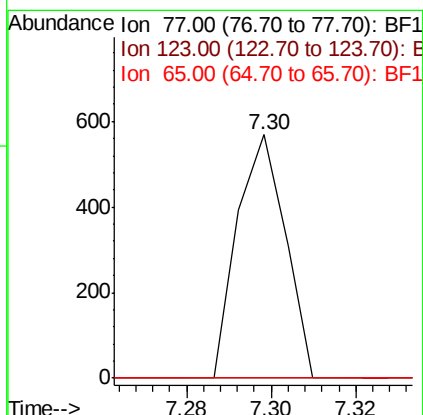
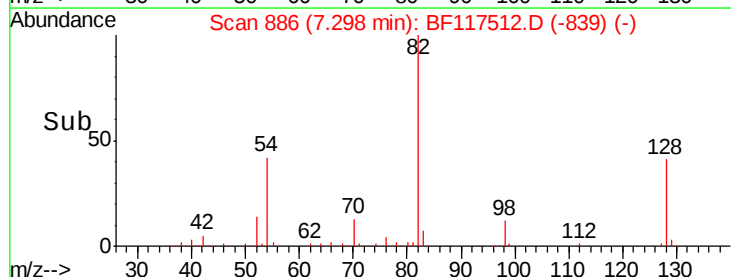
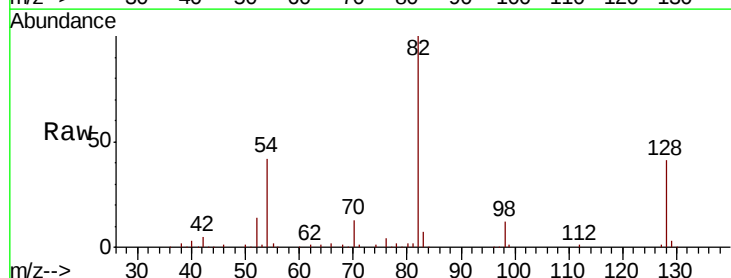
Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

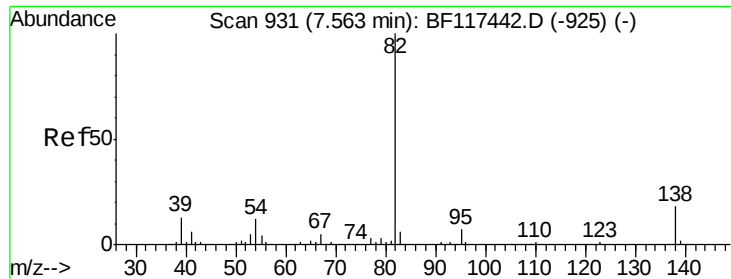
Tot Ion: 82 Resp: 228262  
Ion Ratio Lower Upper  
82 100  
128 40.9 32.2 48.2  
54 42.1 34.2 51.2



#24  
Nitrobenzene  
Concen: 0.117 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.02 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion: 77 Resp: 448  
Ion Ratio Lower Upper  
77 100  
123 0.0 34.2 51.2#  
65 0.0 10.3 15.5#





#25

Isophorone

Concen: 33.041 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

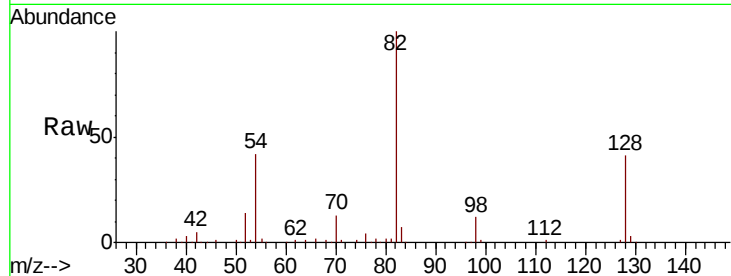
Tot Ion: 82 Resp: 228259

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

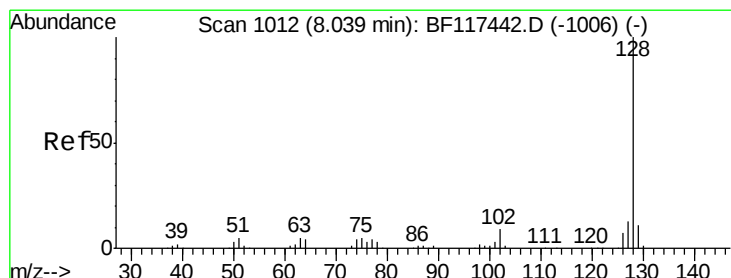
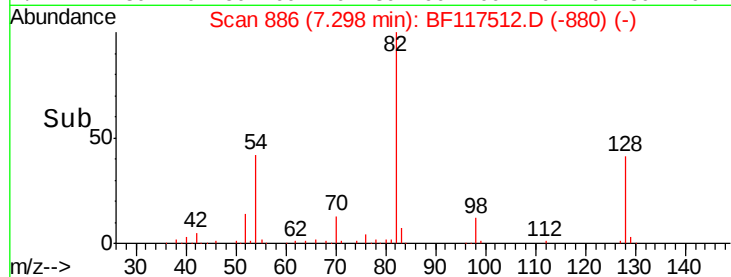
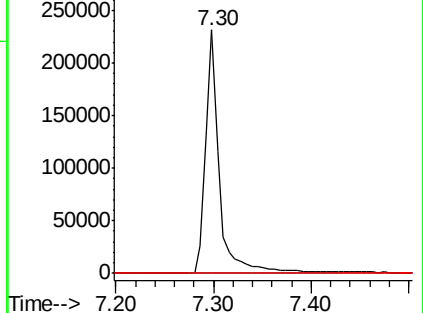
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.012 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

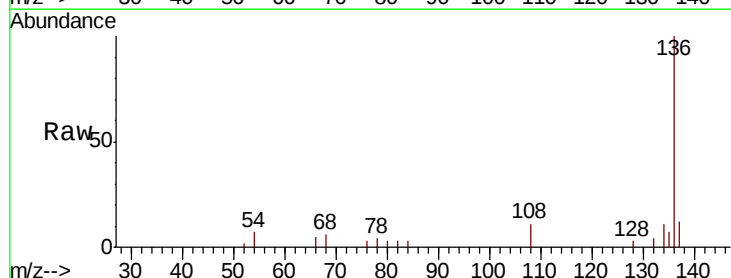
Tgt Ion: 128 Resp: 118

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

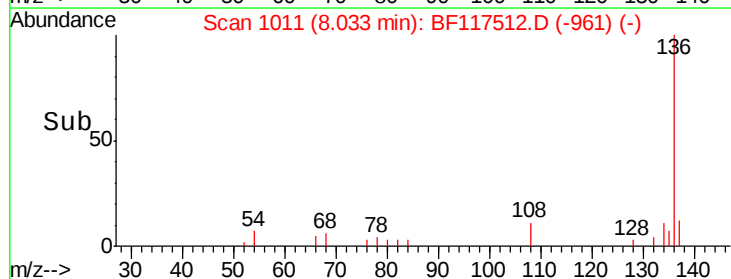
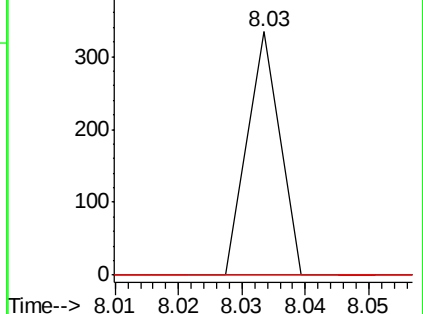
127 0.0 10.2 15.2#

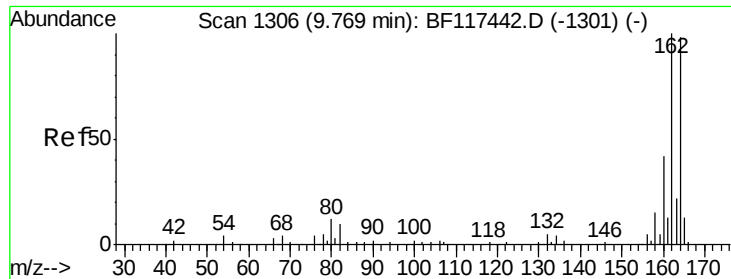


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

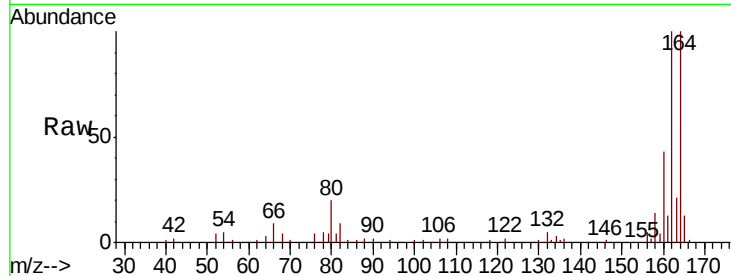




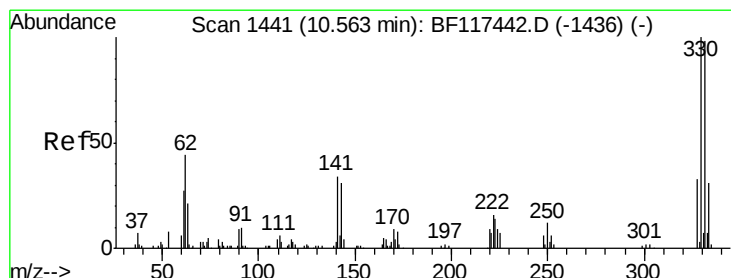
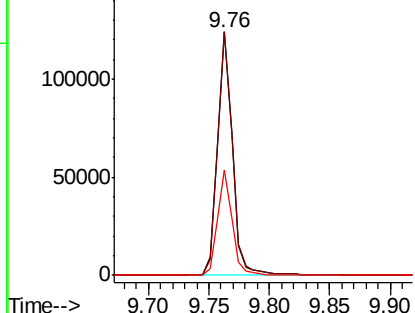
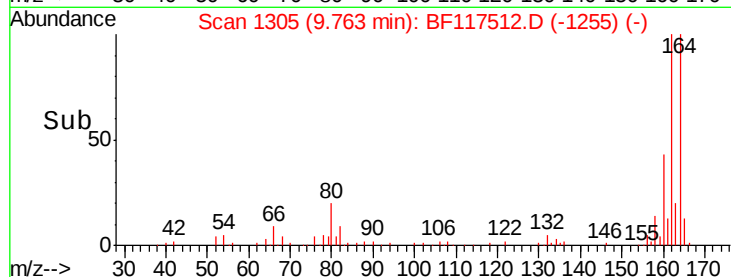
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:164 Resp: 104260  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.8 122.6  
160 43.4 34.4 51.6

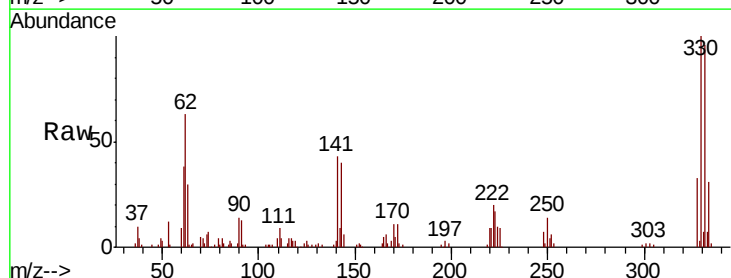


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

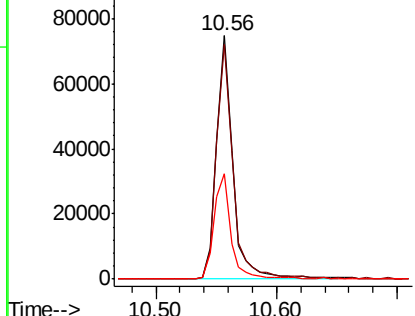
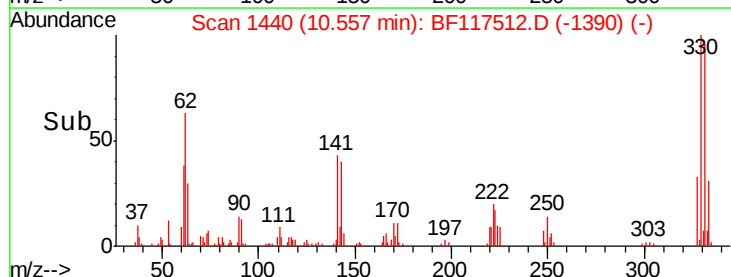


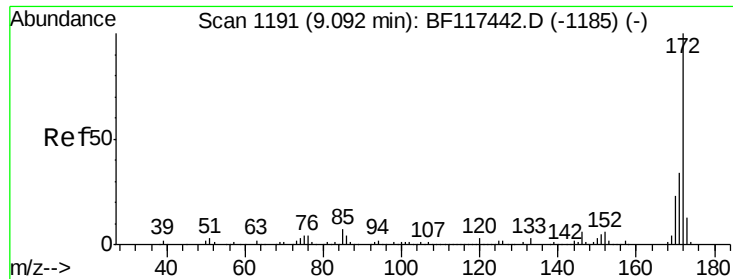
#42  
2,4,6-Tribromophenol  
Concen: 77.402 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:330 Resp: 69826  
Ion Ratio Lower Upper  
330 100  
332 97.7 78.5 117.7  
141 44.3 37.0 55.6



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

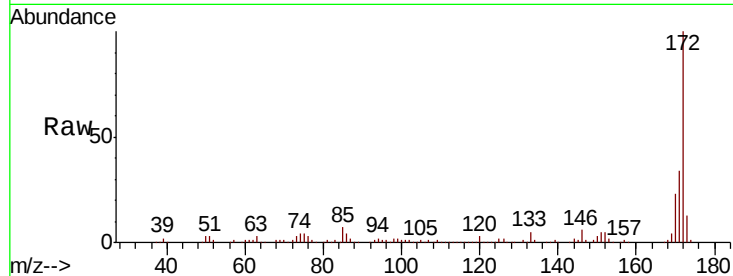




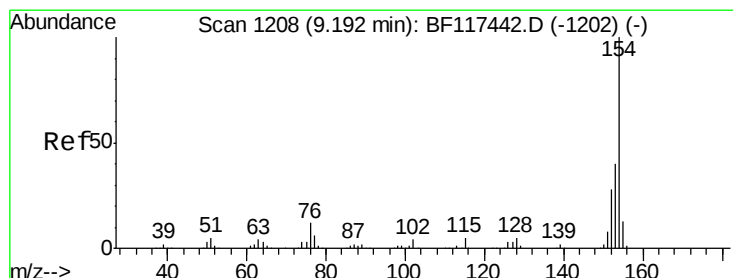
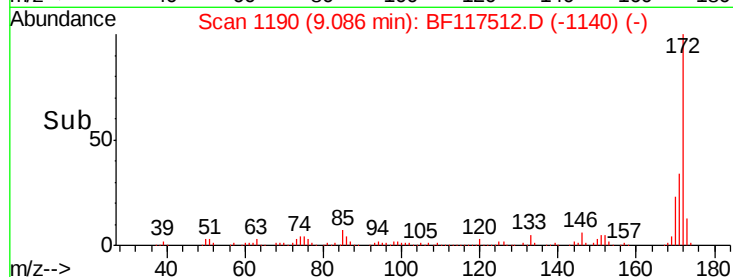
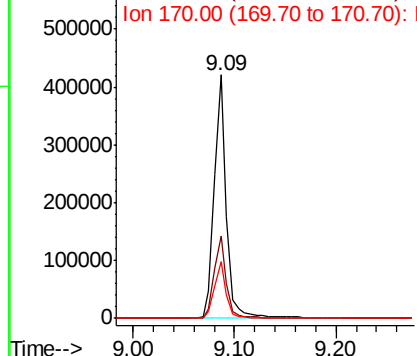
#45  
2-Fluorobiphenyl  
Concen: 47.363 ng  
RT: 9.09 min Scan# 1190  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:172 Resp: 350468  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.5 41.3  
170 23.4 18.6 27.8

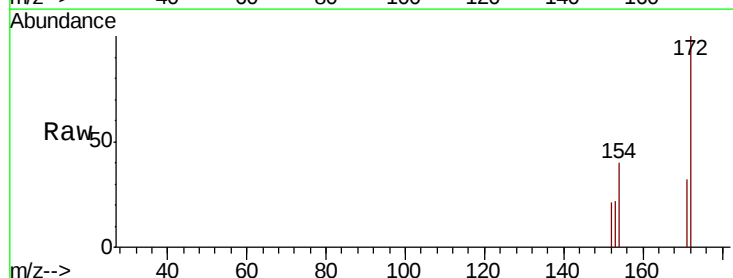


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

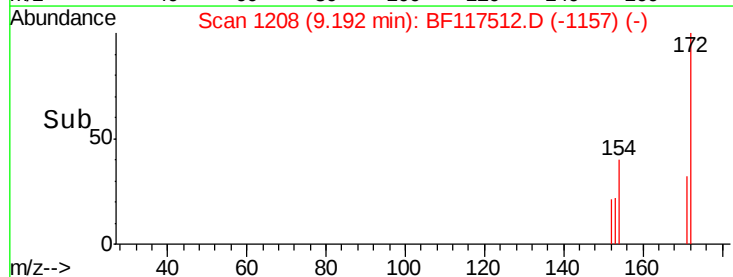
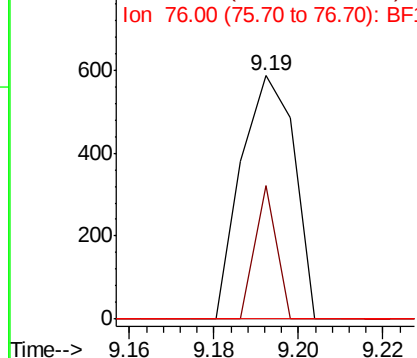


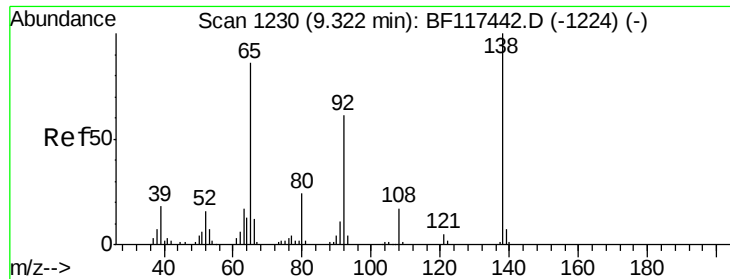
#46  
1,1'-Biphenyl  
Concen: 0.060 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:154 Resp: 514  
Ion Ratio Lower Upper  
154 100  
153 54.9 20.2 60.2  
76 0.0 0.0 32.1



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

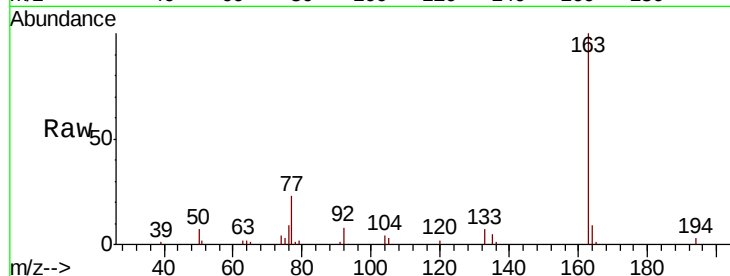




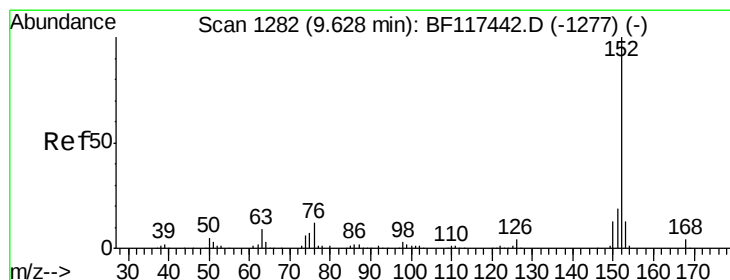
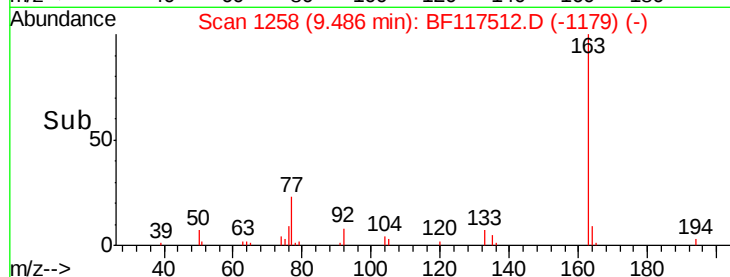
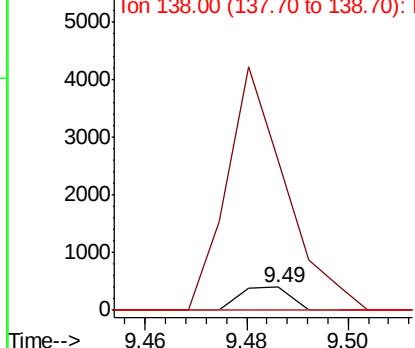
#48  
2-Nitroaniline  
Concen: 0.130 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. 0.16 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion: 65 Resp: 277  
Ion Ratio Lower Upper  
65 100  
92 654.7 57.3 85.9#  
138 0.0 93.3 139.9#

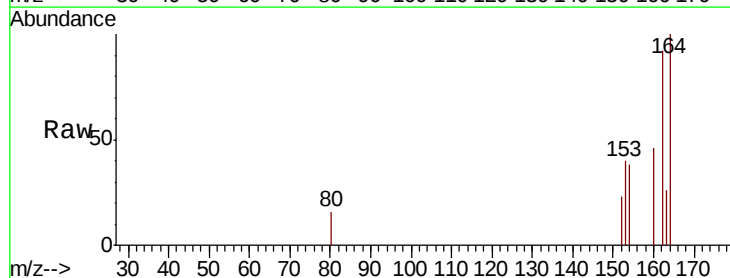


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): E

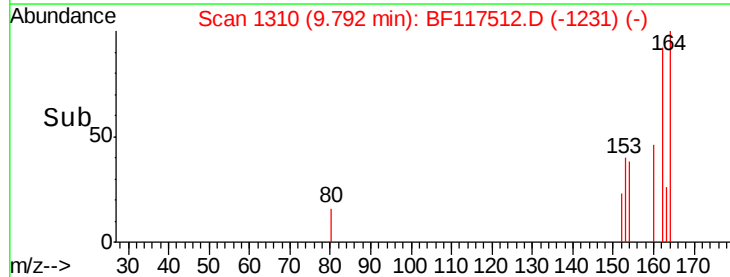
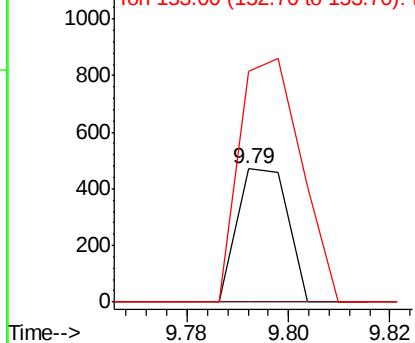


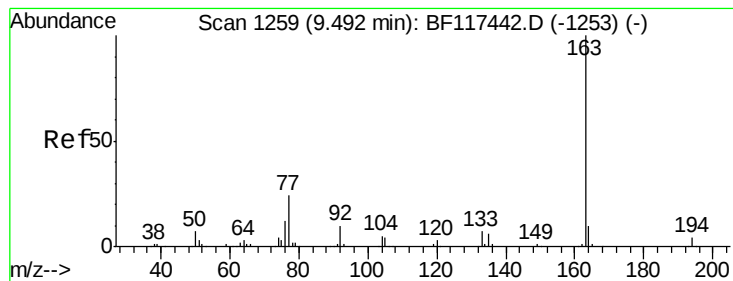
#49  
Acenaphthylene  
Concen: 0.034 ng  
RT: 9.79 min Scan# 1310  
Delta R.T. 0.16 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion: 152 Resp: 327  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.4 23.0#  
153 172.6 10.3 15.5#



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: 4.996 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

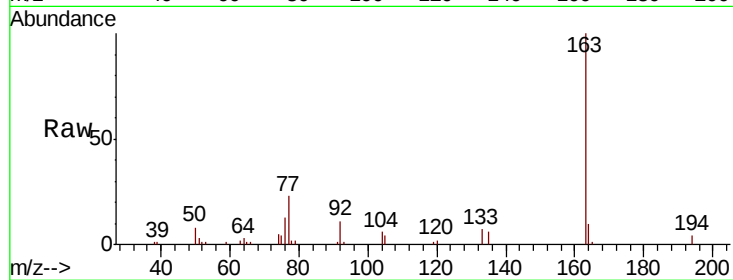
Tot Ion:163 Resp: 37133

Ion Ratio Lower Upper

163 100

194 3.9 2.9 4.3

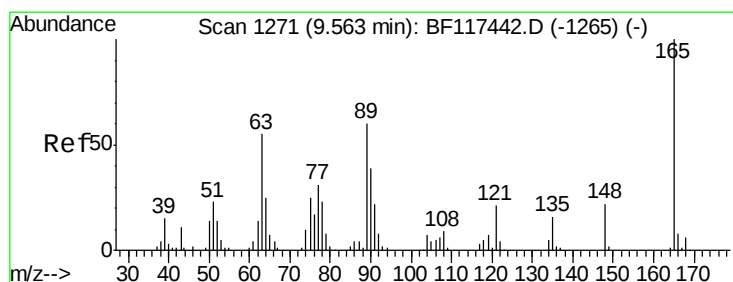
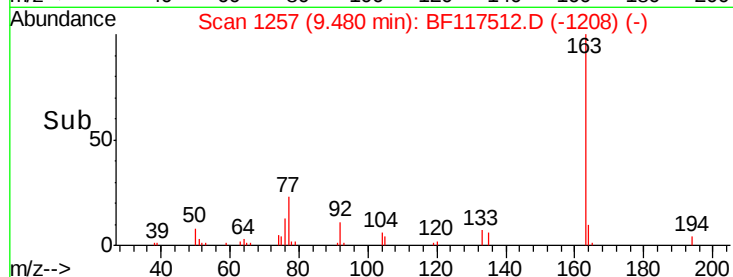
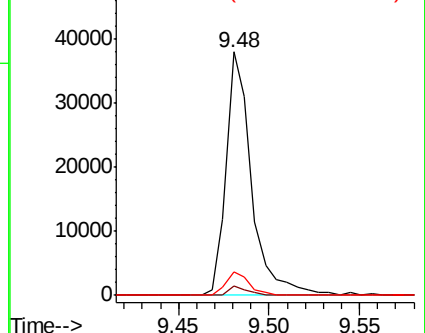
164 9.6 8.2 12.2



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: 8.240 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

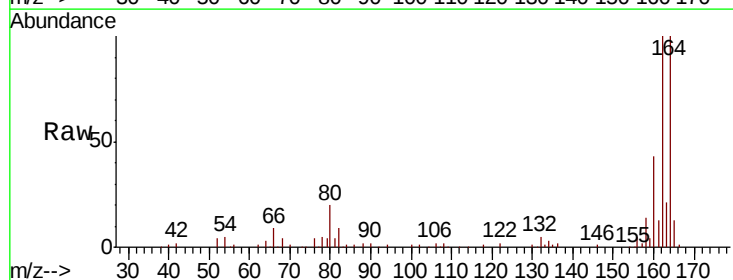
Tgt Ion:165 Resp: 12780

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

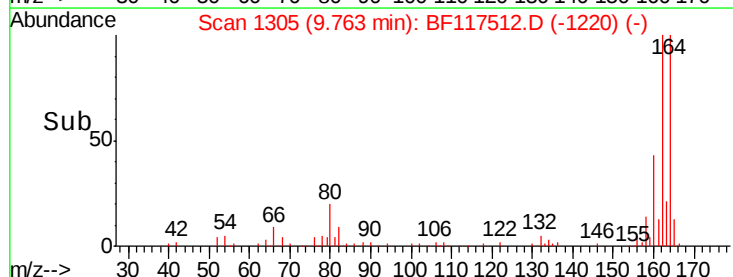
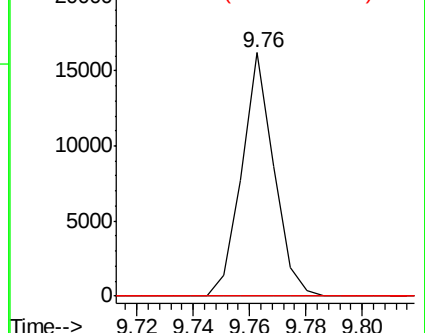
89 0.0 47.6 71.4#

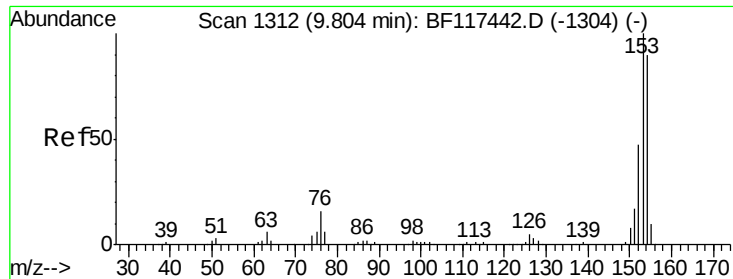


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.084 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

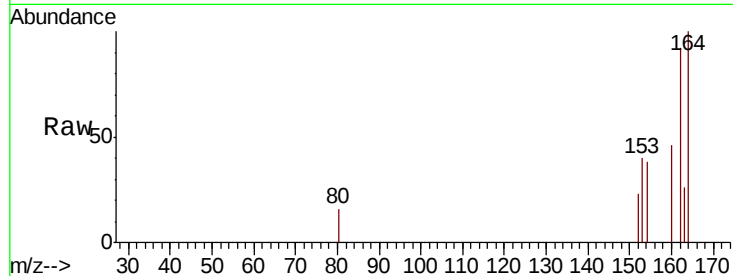
Tot Ion:154 Resp: 495

Ion Ratio Lower Upper

154 100

153 105.0 89.2 133.8

152 60.9 41.8 62.6

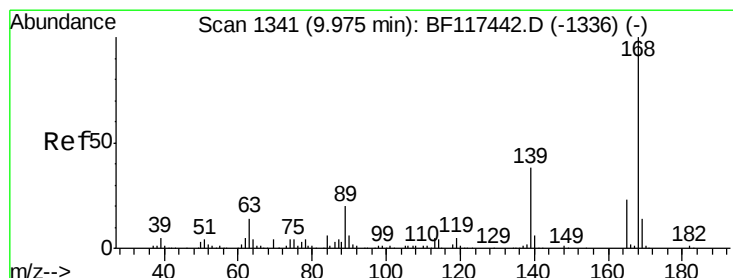
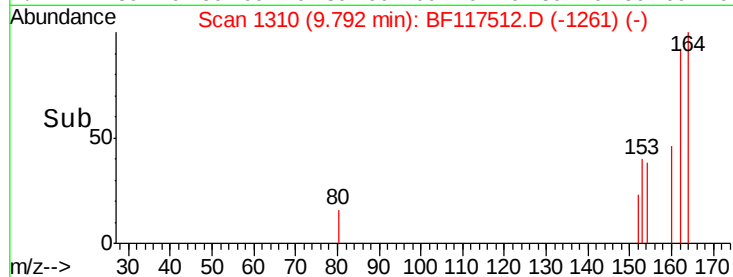
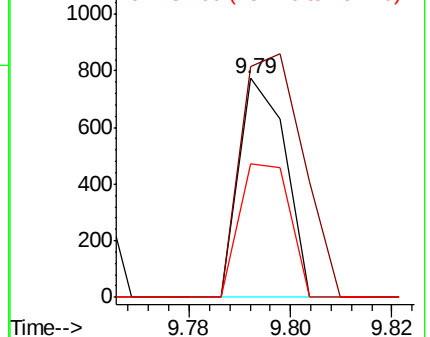


Abundance

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



#55

Dibenzofuran

Concen: 0.029 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

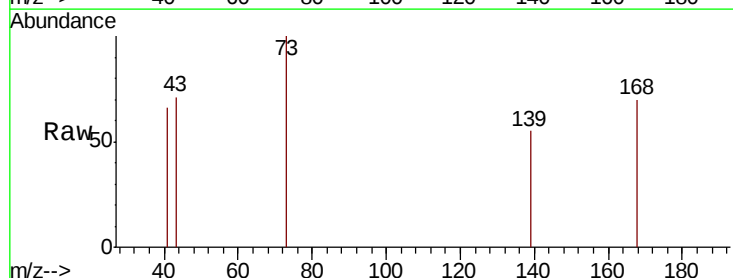
Tgt Ion:168 Resp: 247

Ion Ratio Lower Upper

168 100

139 78.1 31.8 47.6#

169 0.0 11.2 16.8#

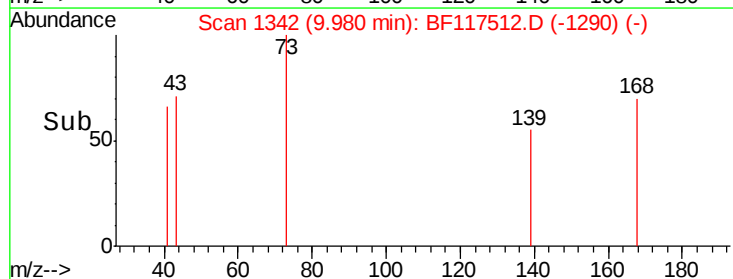
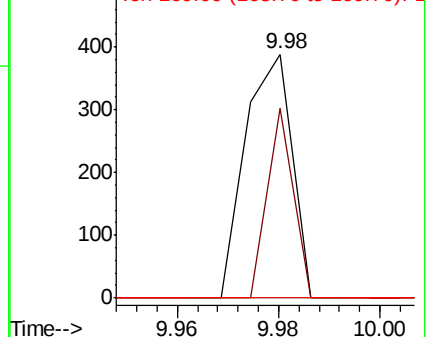


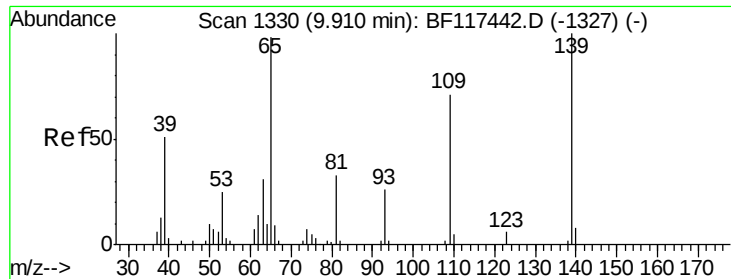
Abundance

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

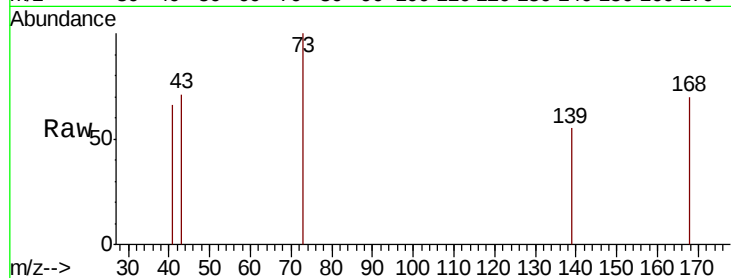




#56  
4-Nitrophenol  
Concen: 4.247 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.07 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 51.4  | 91.4#  |
| 65      | 0.0   | 79.4  | 119.4# |

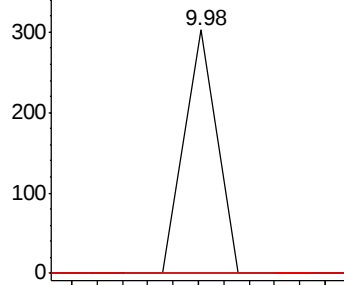


Abundance

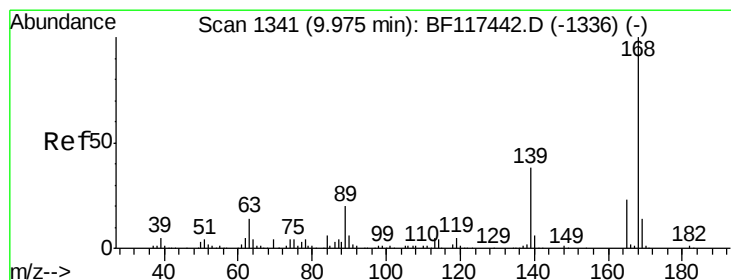
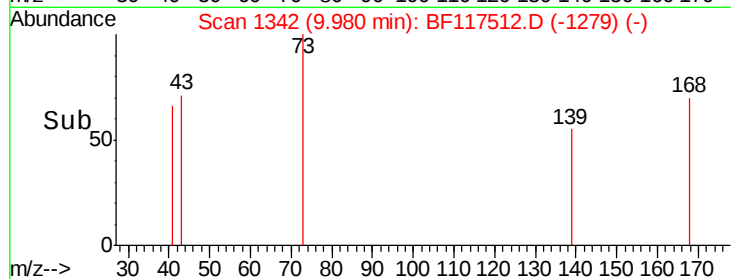
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

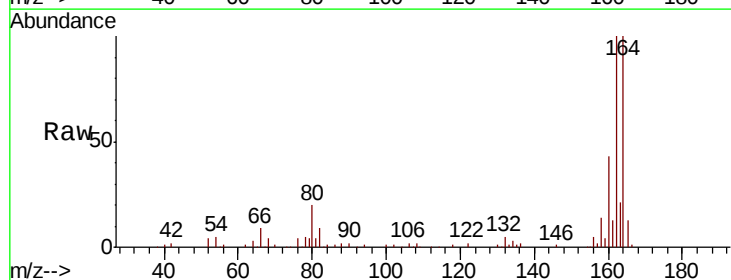


Time-->



#57  
2,4-Dinitrotoluene  
Concen: 6.198 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.21 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 51.4  | 77.0#  |
| 89      | 0.0   | 69.9  | 104.9# |
| 182     | 0.0   | 1.9   | 2.9#   |



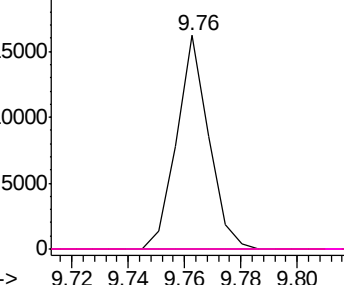
Abundance

Ion 165.00 (164.70 to 165.70): E

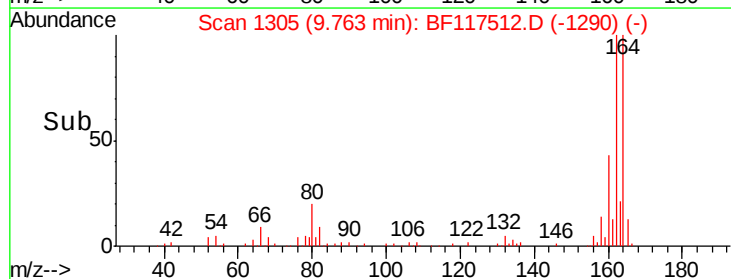
Ion 63.00 (62.70 to 63.70): BF1

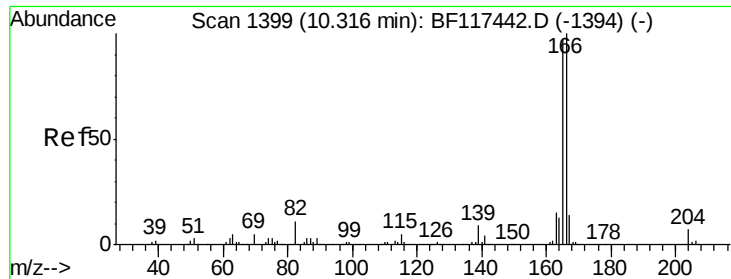
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->





#58

Fluorene

Concen: 0.101 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

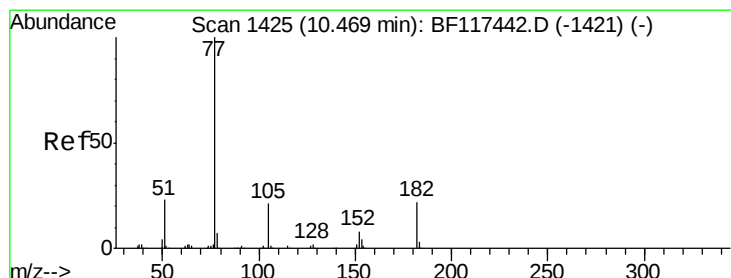
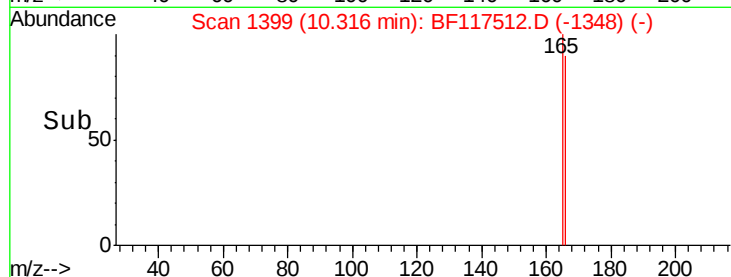
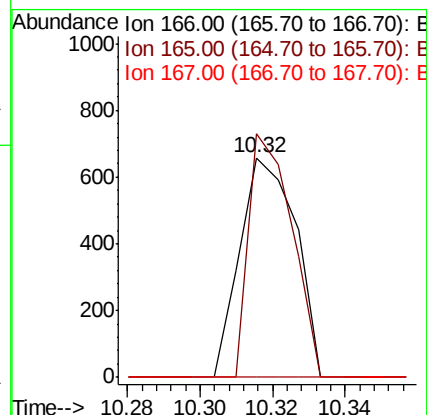
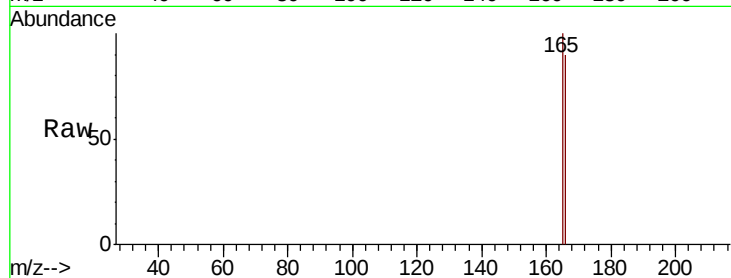
Tot Ion:166 Resp: 710

Ion Ratio Lower Upper

166 100

165 111.0 77.6 116.4

167 0.0 11.0 16.4#



#63

Azobenzene

Concen: 0.052 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.08 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Tgt Ion: 77 Resp: 403

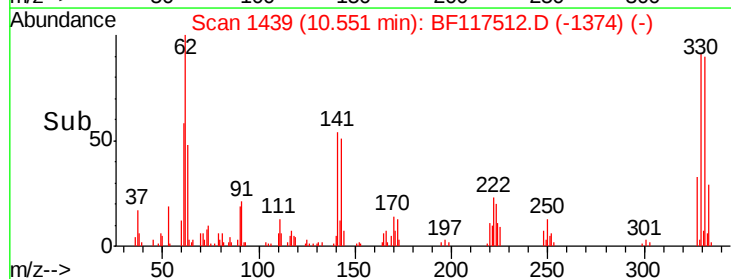
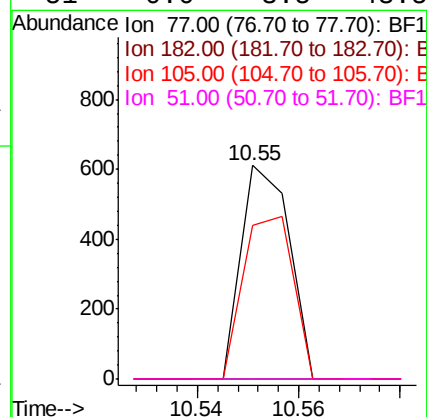
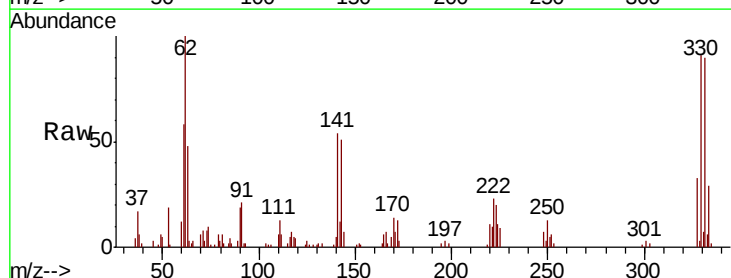
Ion Ratio Lower Upper

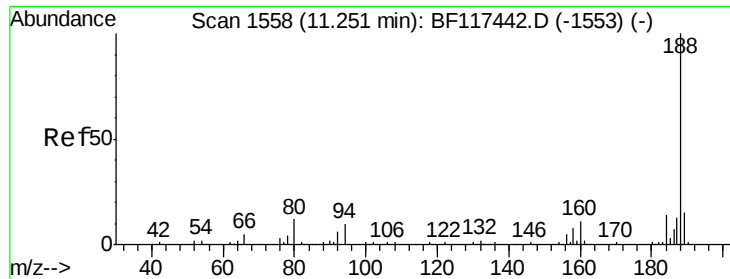
77 100

182 0.0 2.3 42.3#

105 72.2 1.3 41.3#

51 0.0 3.5 43.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

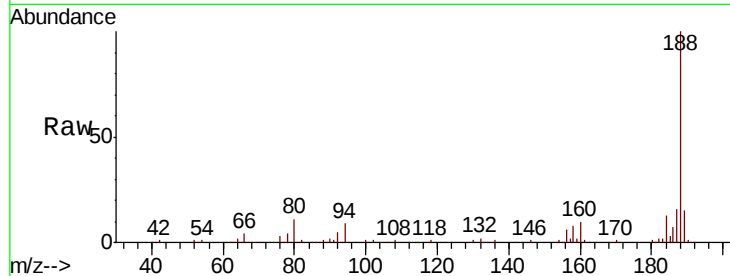
Tot Ion:188 Resp: 159252

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

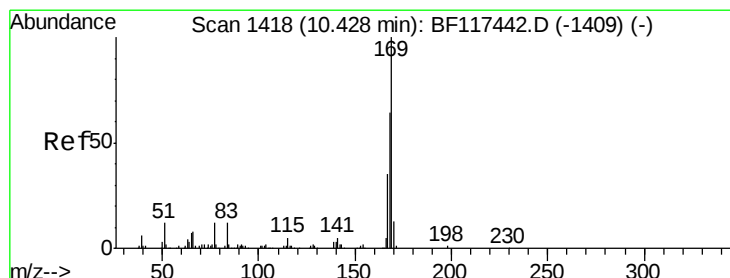
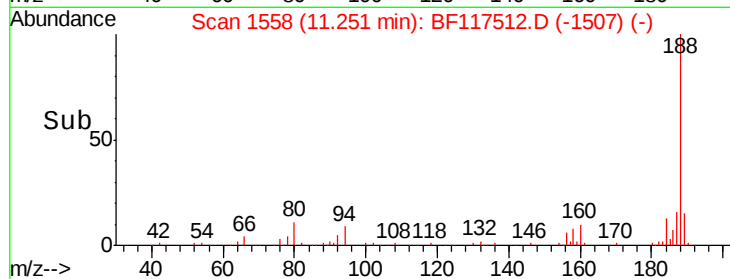
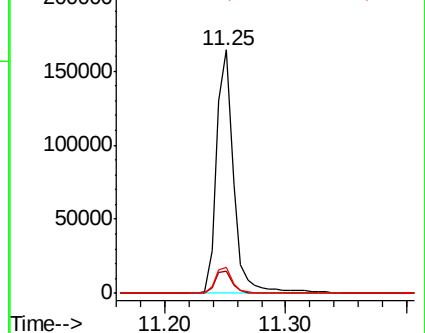
80 10.5 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 0.448 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.13 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

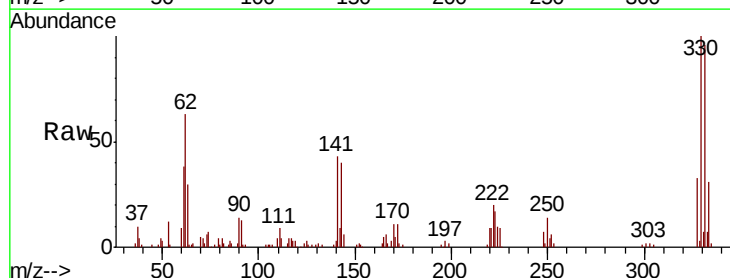
Tgt Ion:169 Resp: 2606

Ion Ratio Lower Upper

169 100

168 0.0 51.3 76.9#

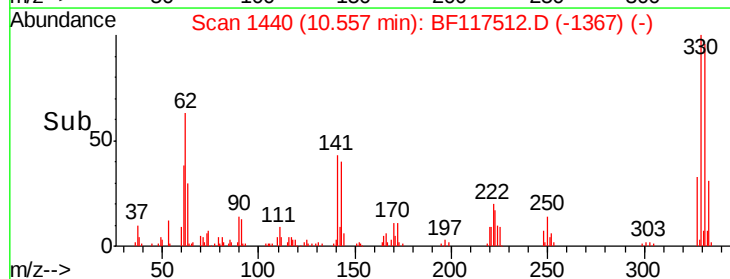
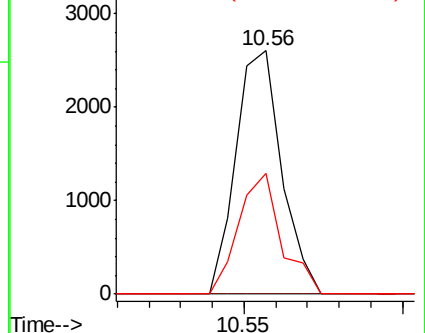
167 49.5 28.2 42.4#

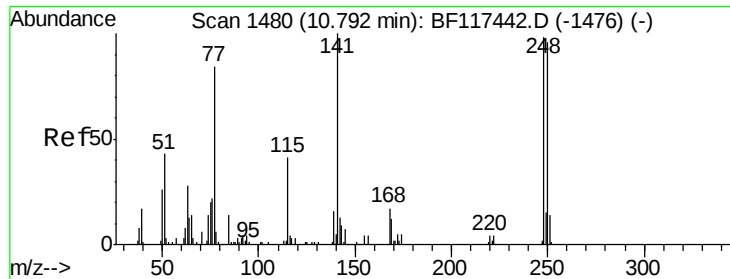


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

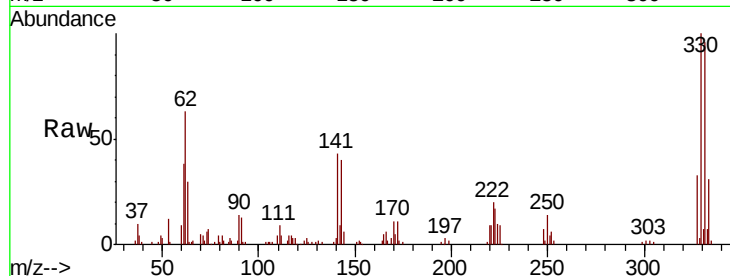




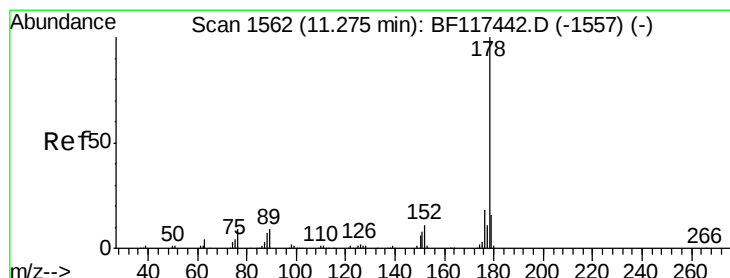
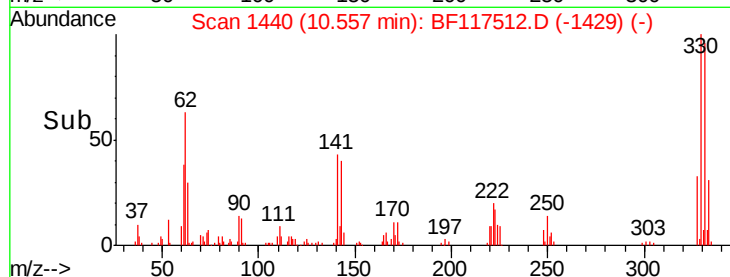
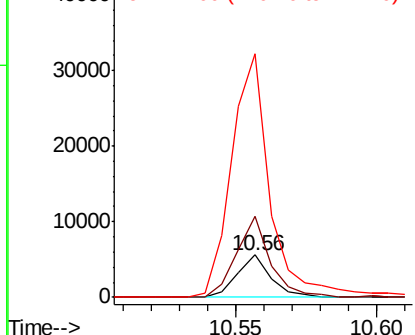
#67  
4-Bromophenyl-phenylether  
Concen: 2.706 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.24 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:248 Resp: 4642  
Ion Ratio Lower Upper  
248 100  
250 193.4 78.0 117.0#  
141 579.0 81.7 122.5#

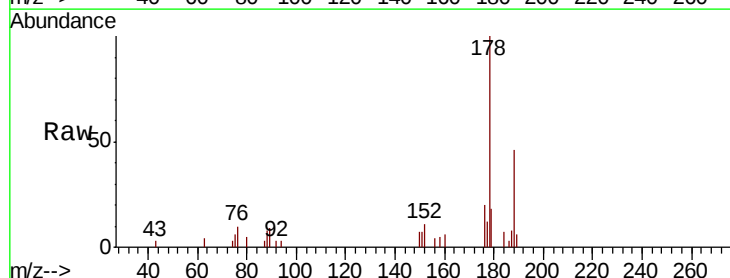


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

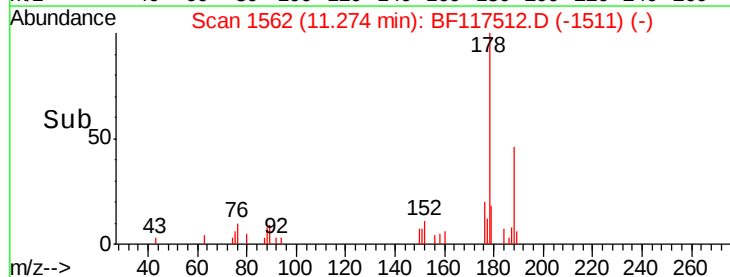
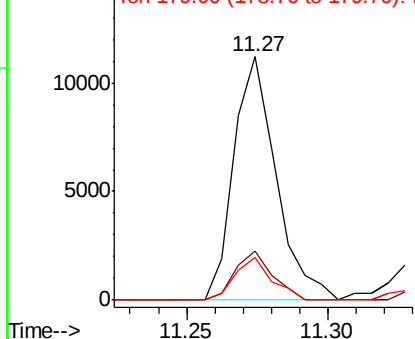


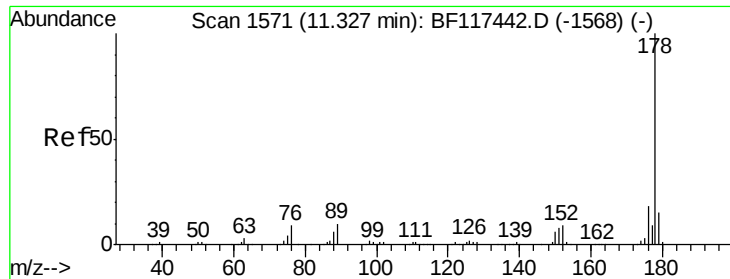
#71  
Phenanthrene  
Concen: 1.260 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:178 Resp: 11655  
Ion Ratio Lower Upper  
178 100  
176 20.1 14.6 22.0  
179 17.6 12.6 19.0



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: 1.228 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

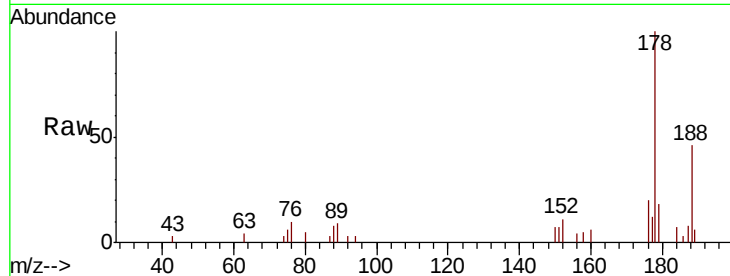
BNA\_F

ClientSampleId :

167-58-(0-1)

Tot Ion:178 Resp: 11655

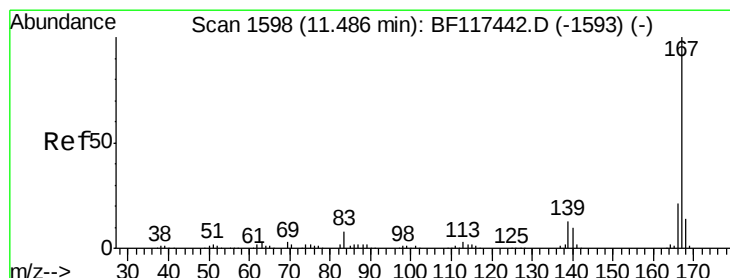
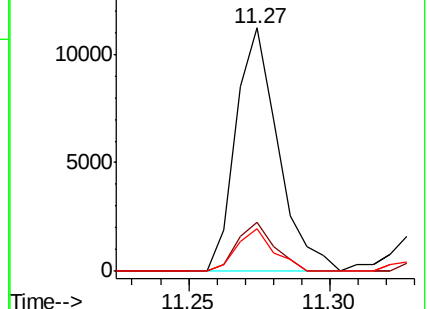
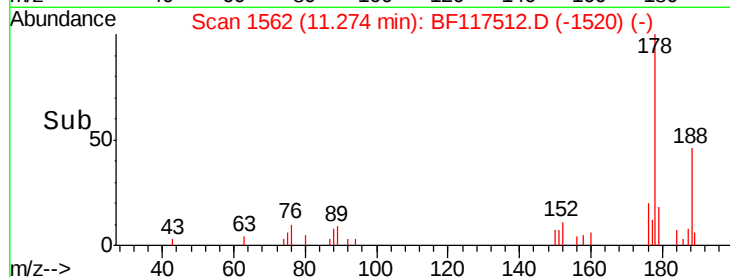
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.1  | 14.7  | 22.1  |
| 179 | 17.6  | 12.2  | 18.2  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.102 ng

RT: 11.50 min Scan# 1600

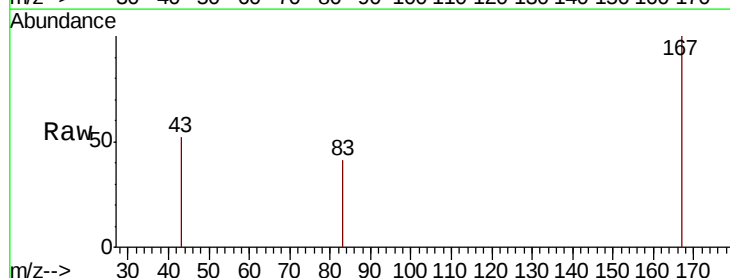
Delta R.T. 0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Tgt Ion:167 Resp: 883

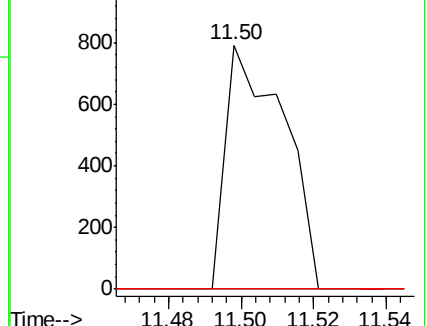
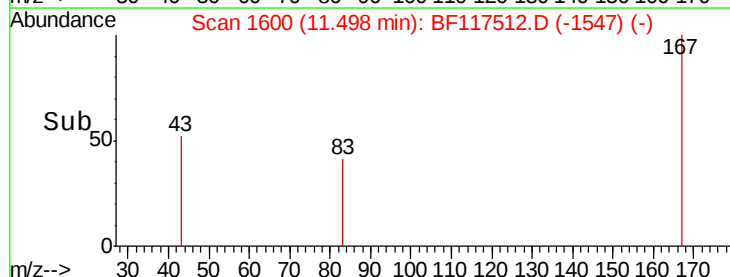
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 0.0   | 17.0  | 25.6# |
| 139 | 0.0   | 10.6  | 16.0# |

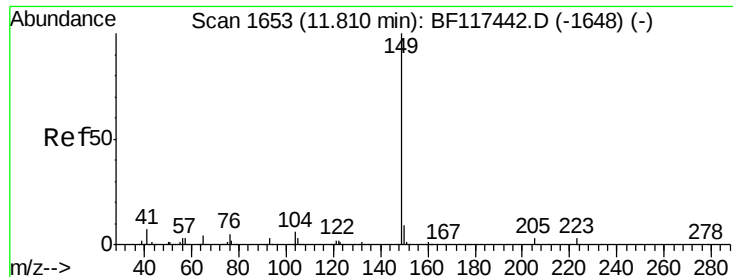


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.023 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

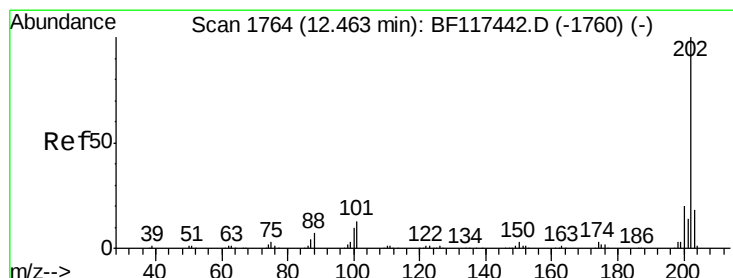
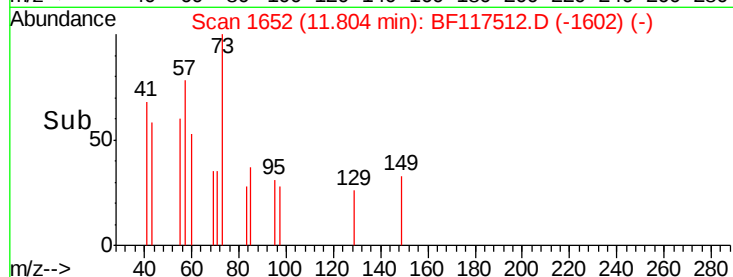
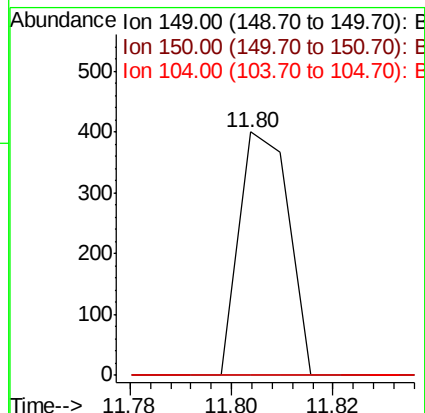
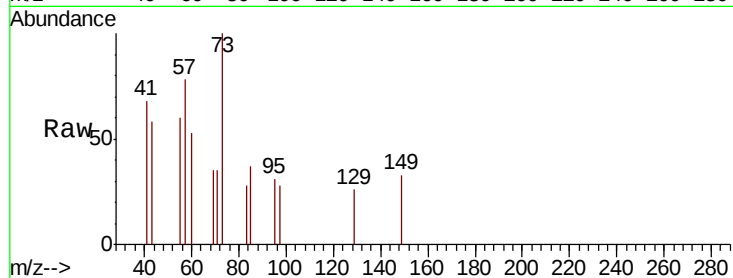
Tot Ion:149 Resp: 271

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 4.6 6.8#



#75

Fluoranthene

Concen: 1.869 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

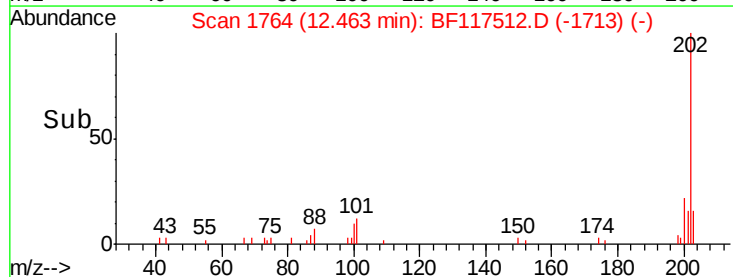
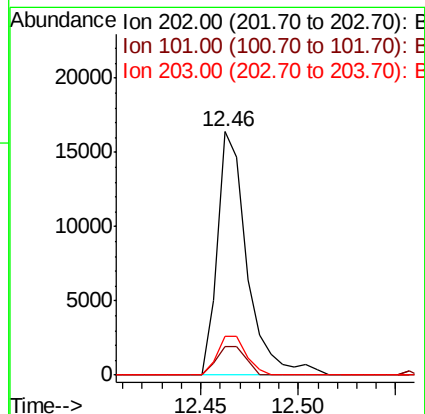
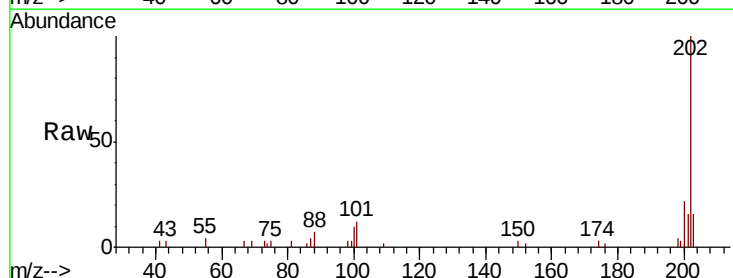
Tgt Ion:202 Resp: 17302

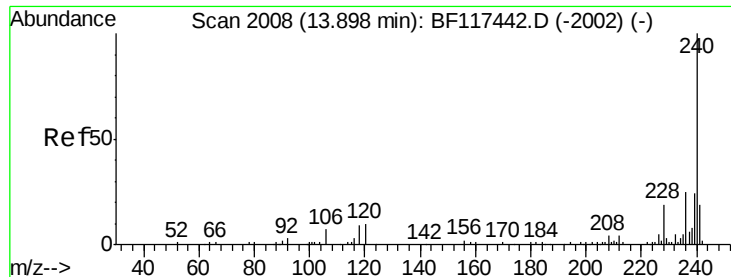
Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.7

203 15.8 0.0 37.6

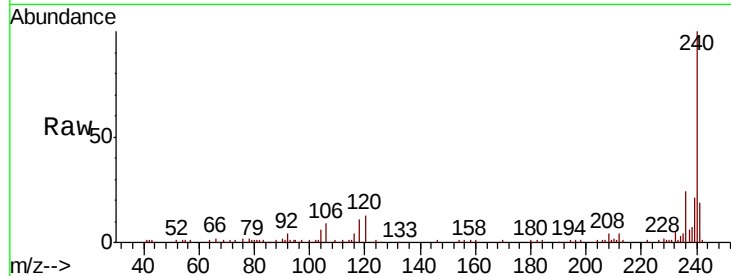




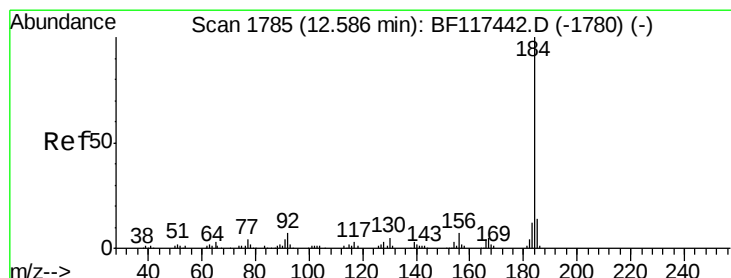
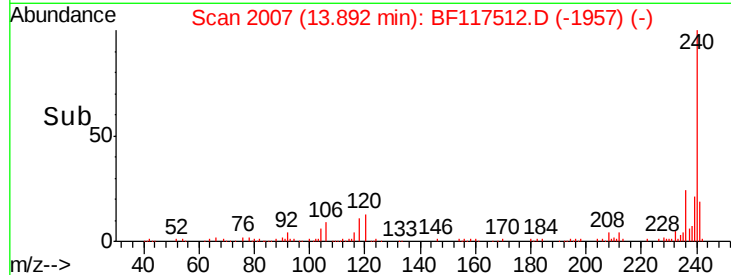
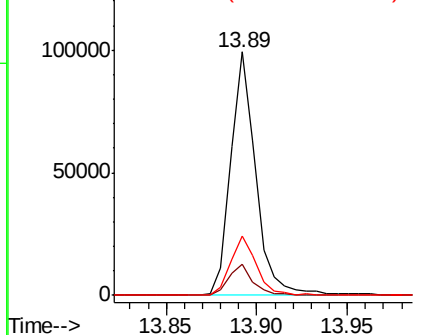
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:240 Resp: 95921  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.4 12.6  
236 24.4 20.0 30.0

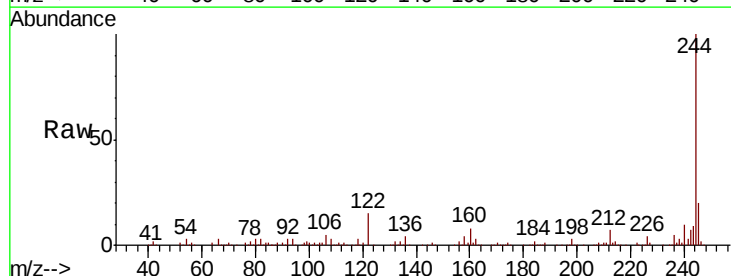


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

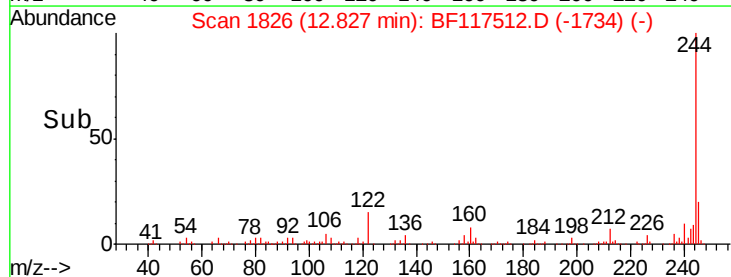
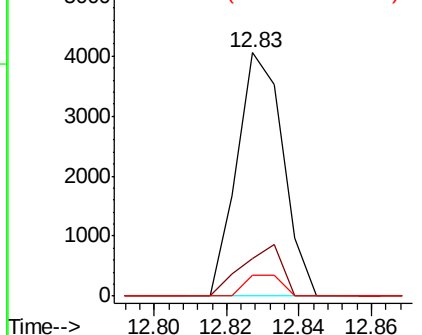


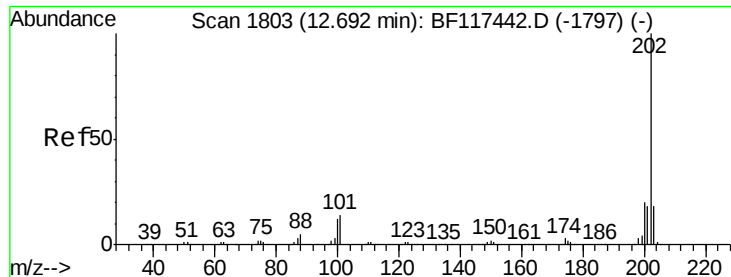
#77  
Benzidine  
Concen: Below Cal  
RT: 12.83 min Scan# 1826  
Delta R.T. 0.24 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:184 Resp: 3611  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.4 17.0  
183 8.6 9.6 14.4#



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

Pvrene

Concen: 1.733 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

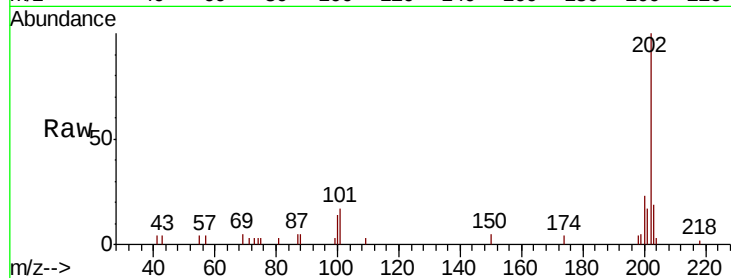
Tot Ion:202 Resp: 14282

Ion Ratio Lower Upper

202 100

200 22.6 16.2 24.2

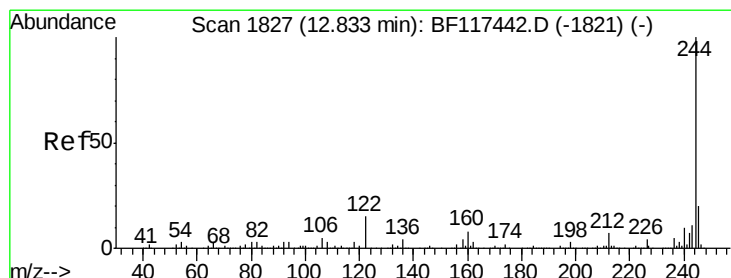
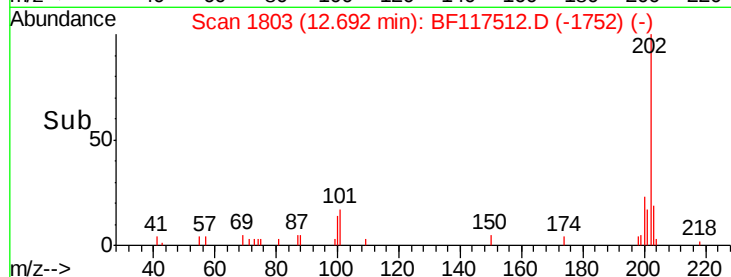
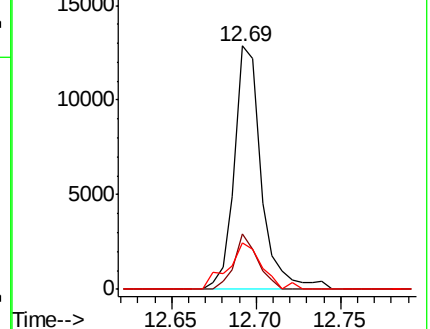
203 19.3 14.0 21.0



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: 45.283 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

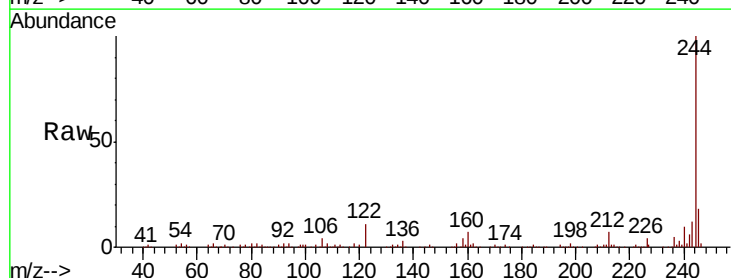
Tgt Ion:244 Resp: 266293

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

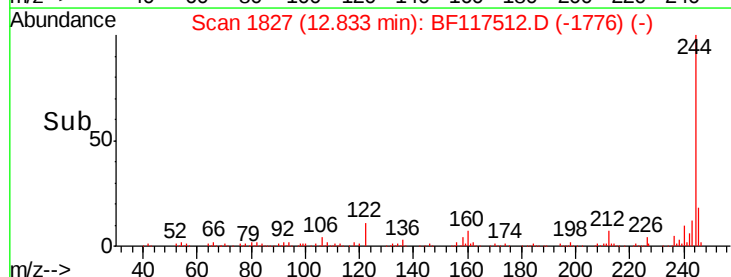
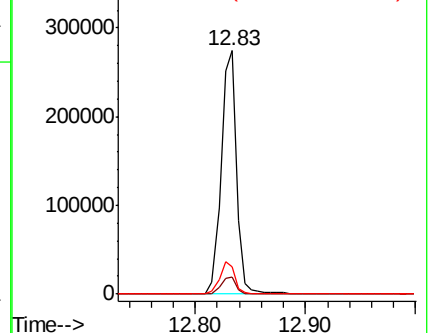
122 11.3 11.8 17.8#

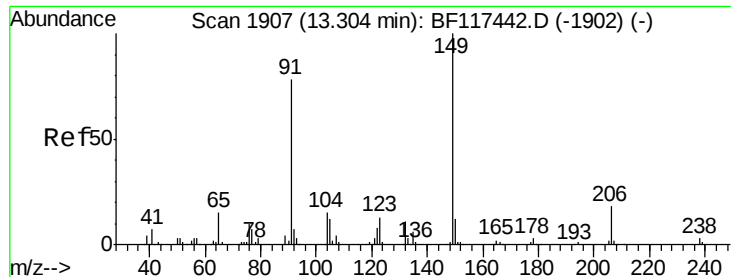


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

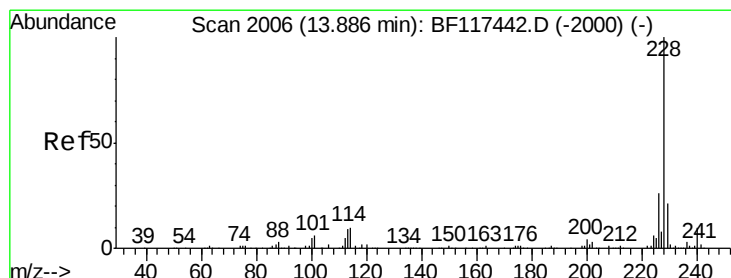
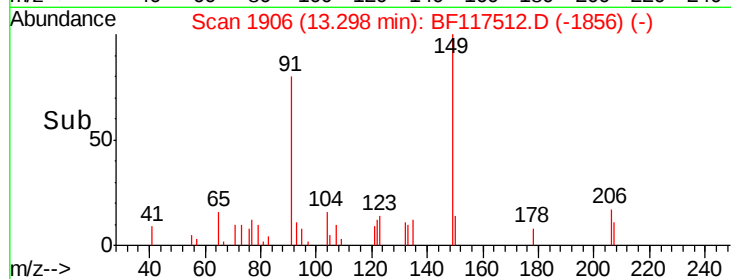
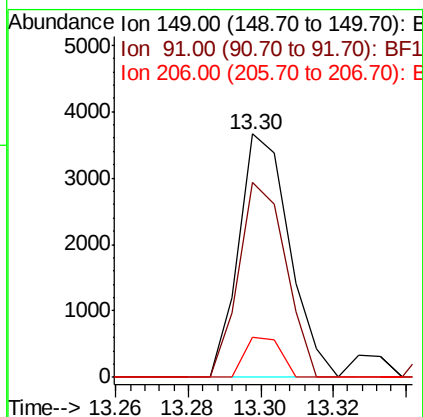
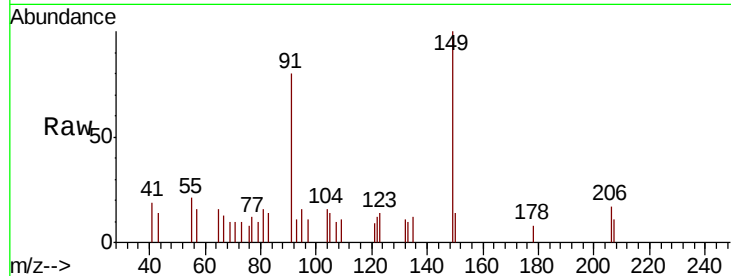




#80  
Butylbenzylphthalate  
Concen: 0.866 ng  
RT: 13.30 min Scan# 1906  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

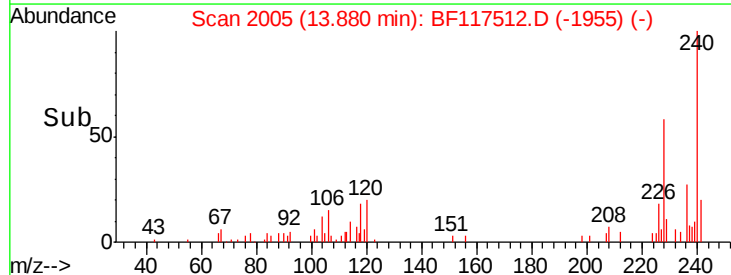
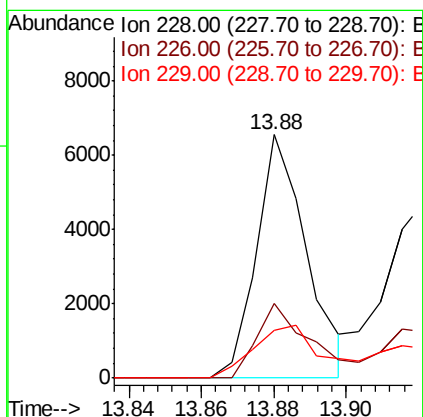
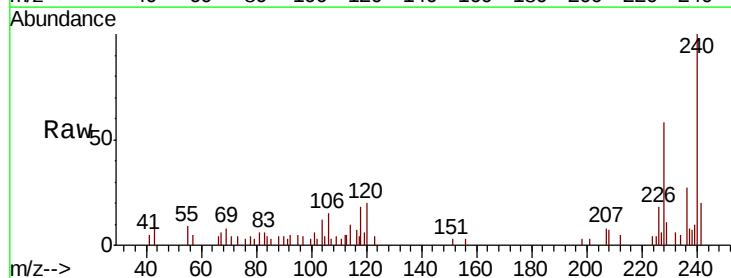
Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

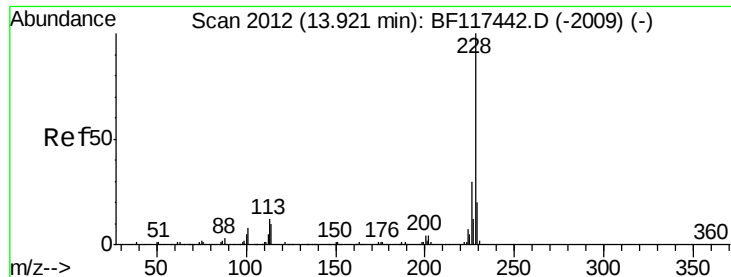
Tot Ion:149 Resp: 3551  
Ion Ratio Lower Upper  
149 100  
91 80.0 62.1 93.1  
206 16.6 14.3 21.5



#81  
Benzo(a)anthracene  
Concen: 0.972 ng  
RT: 13.88 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:228 Resp: 6286  
Ion Ratio Lower Upper  
228 100  
226 30.7 21.0 31.4  
229 19.7 16.4 24.6

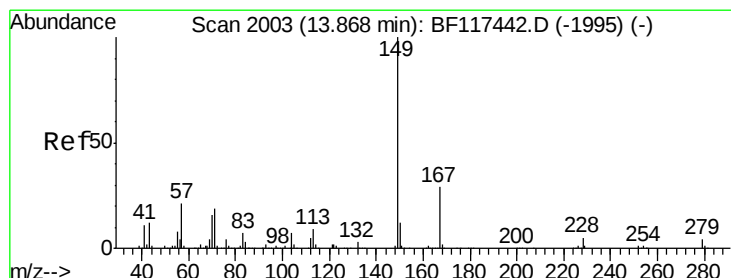
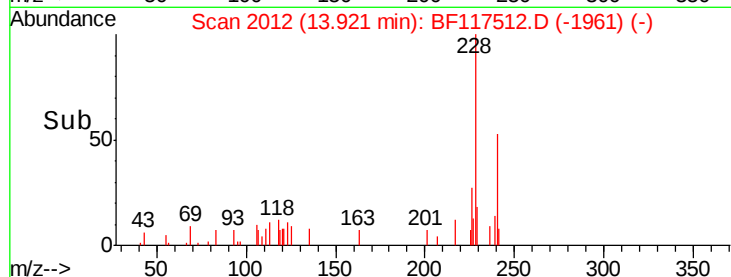
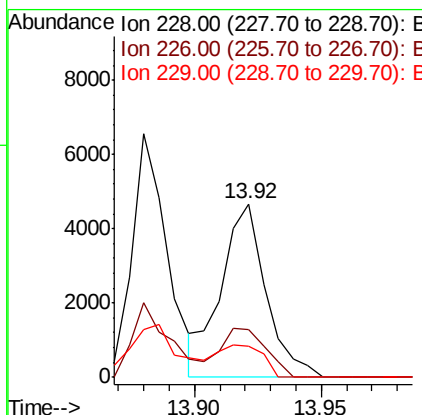
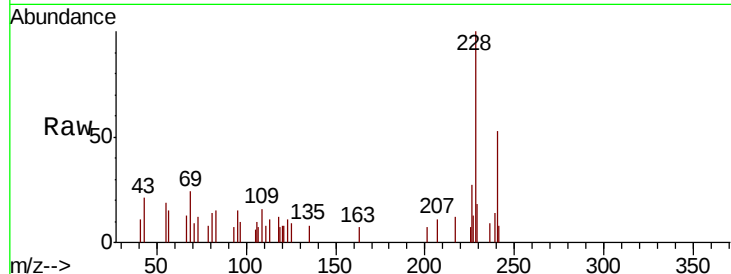




#83  
Chrysene  
Concen: 0.907 ng  
RT: 13.92 min Scan# 2012  
Delta R.T. -0.00 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

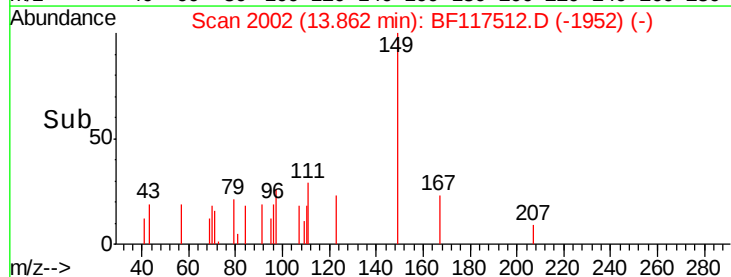
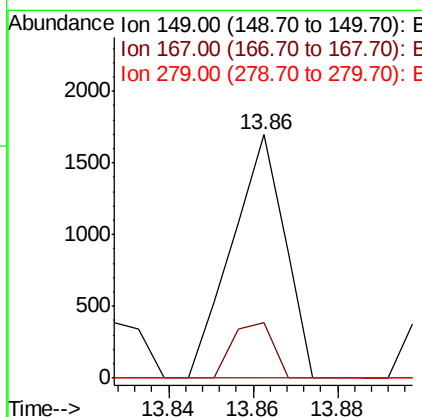
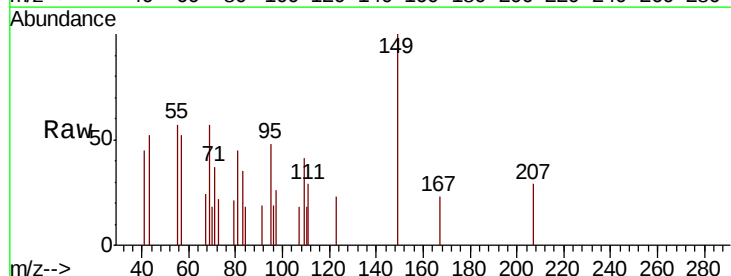
Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

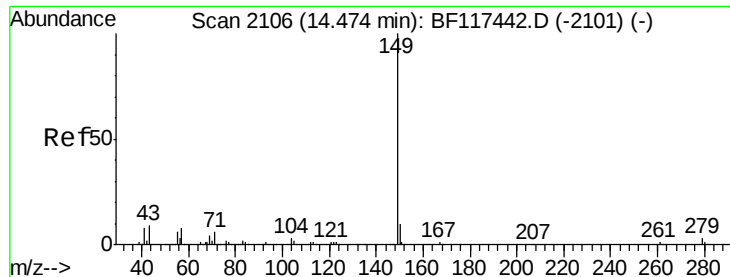
Tot Ion:228 Resp: 5753  
Ion Ratio Lower Upper  
228 100  
226 27.4 23.9 35.9  
229 18.3 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 0.257 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:149 Resp: 1478  
Ion Ratio Lower Upper  
149 100  
167 23.0 23.3 34.9#  
279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 0.056 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

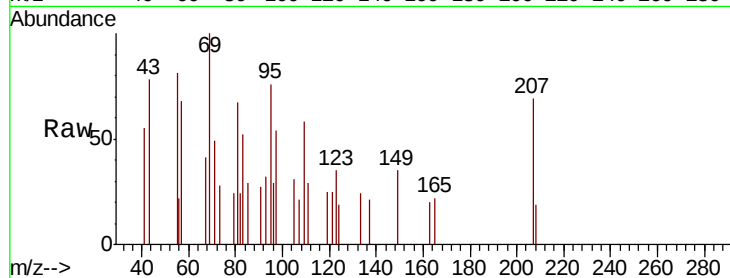
Tot Ion:149 Resp: 495

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

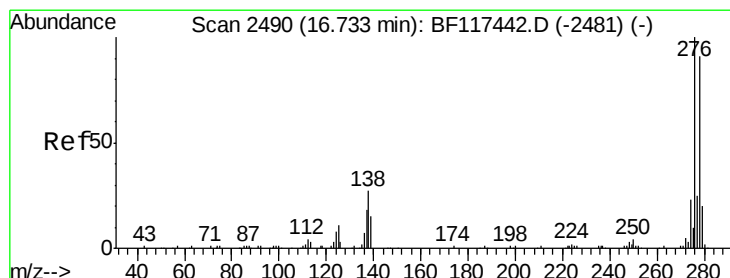
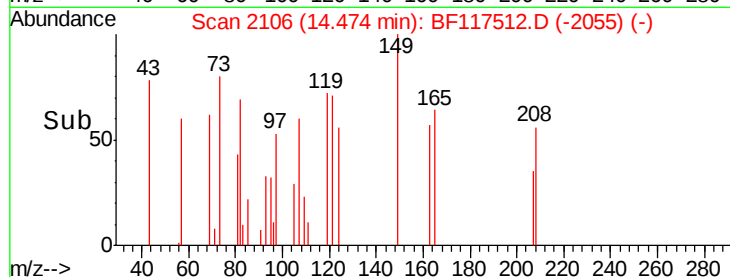
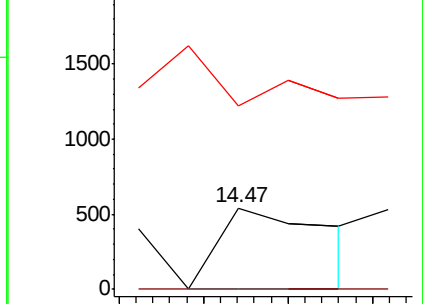
43 100.4 6.8 10.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.699 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.03 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

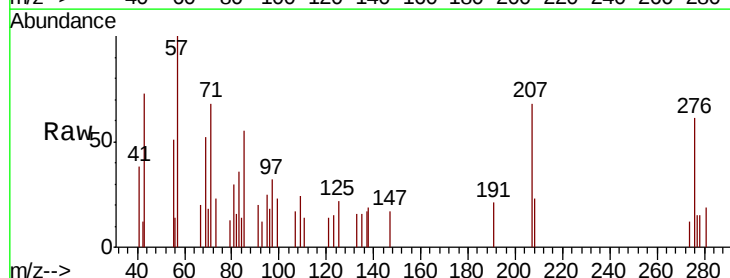
Tgt Ion:276 Resp: 3307

Ion Ratio Lower Upper

276 100

138 25.4 21.8 32.8

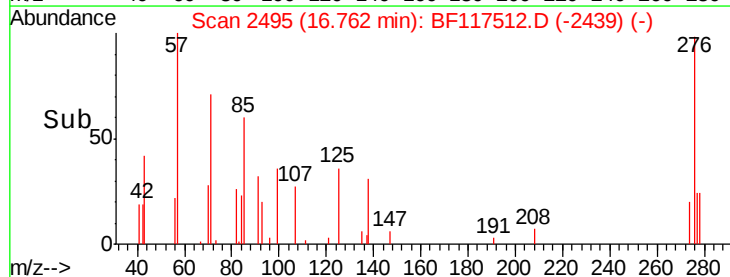
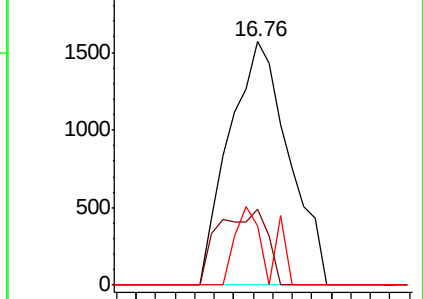
277 12.9 20.0 30.0#

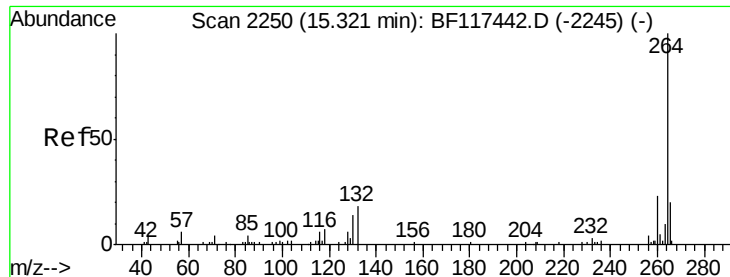


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



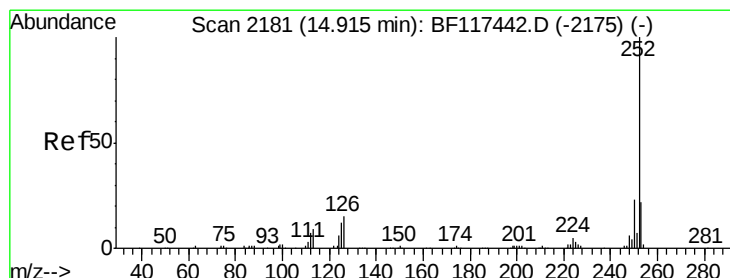
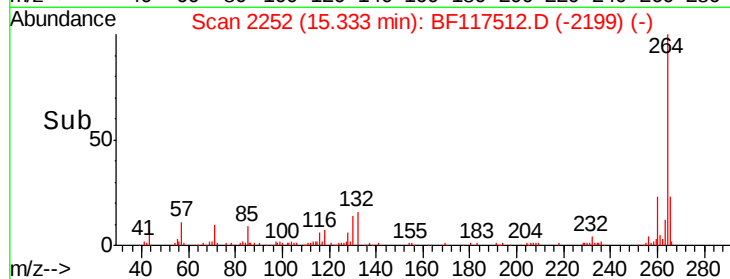
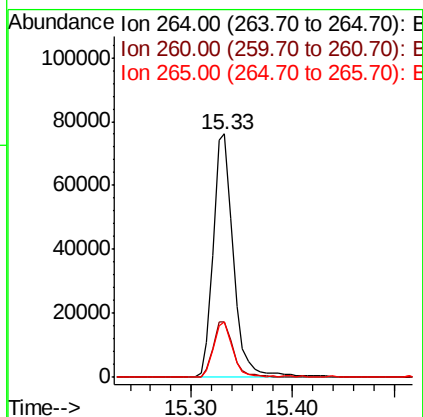
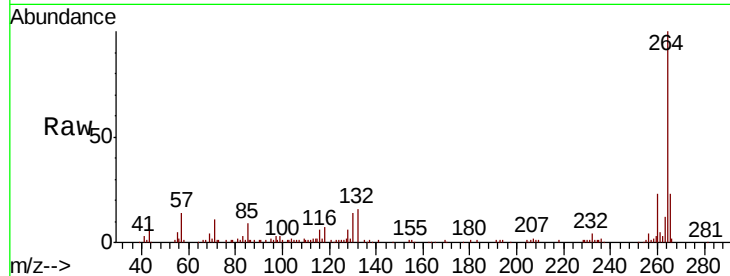


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.33 min Scan# 2252  
Delta R.T. 0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

Tot Ion:264 Resp: 105220  

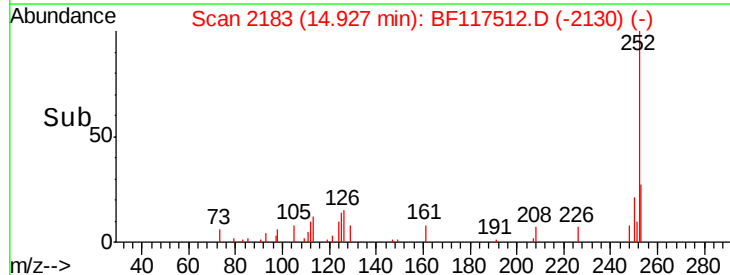
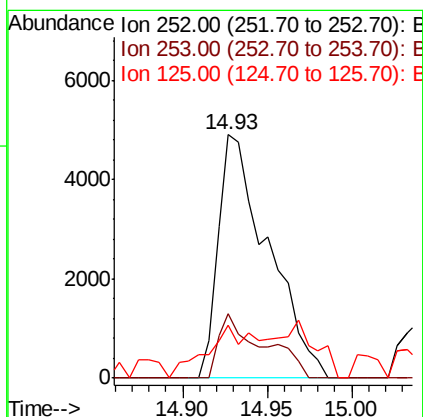
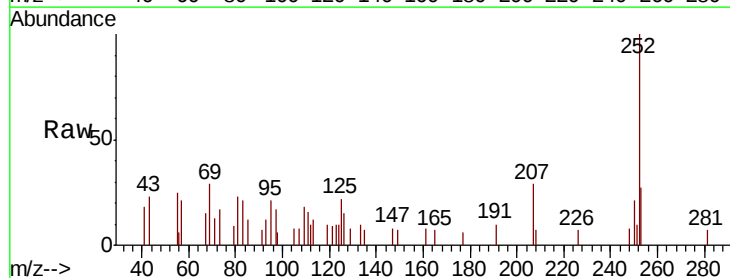
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.5  | 18.4  | 27.6  |
| 265 | 22.5  | 16.1  | 24.1  |

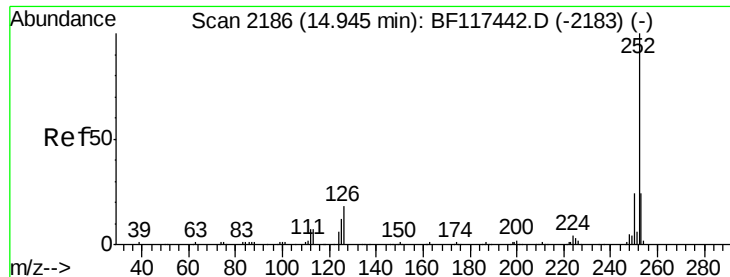


#88  
Benzo(b)fluoranthene  
Concen: 1.618 ng  
RT: 14.93 min Scan# 2183  
Delta R.T. 0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:252 Resp: 10056  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 26.7  | 17.8  | 26.6# |
| 125 | 21.9  | 9.9   | 14.9# |

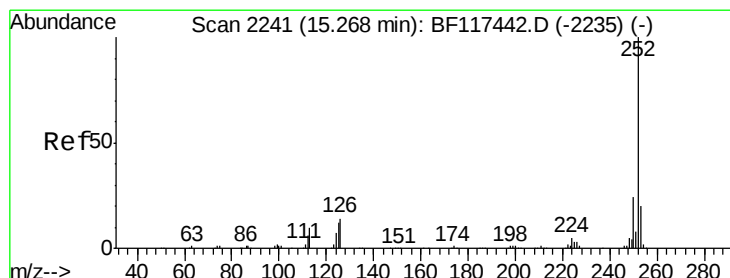
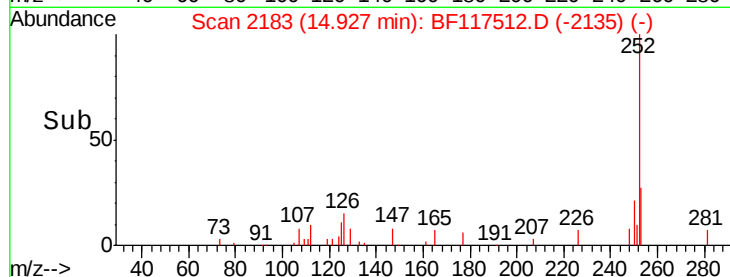
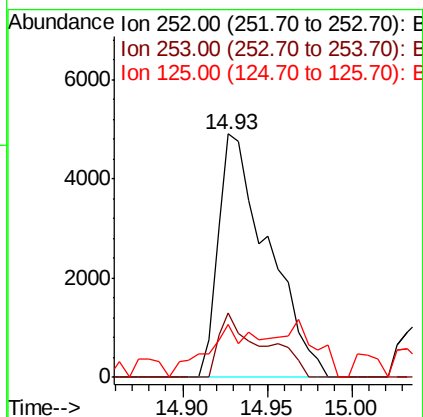
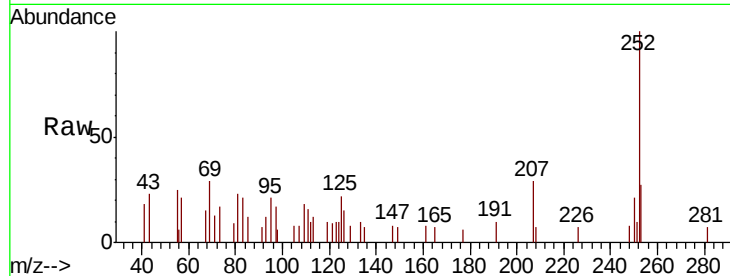




#89  
Benzo(k)fluoranthene  
Concen: 1.579 ng  
RT: 14.93 min Scan# 2183  
Delta R.T. -0.02 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

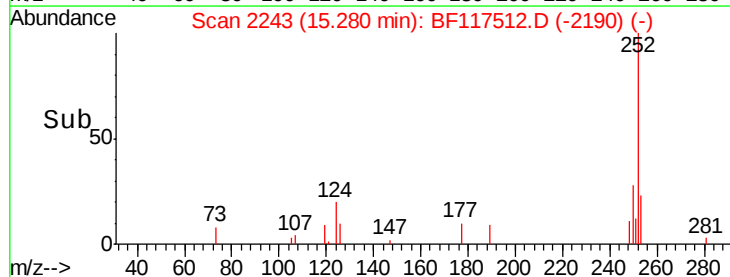
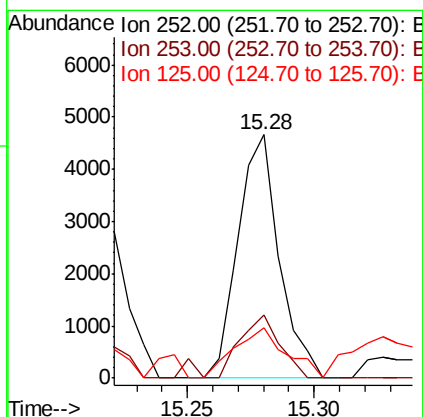
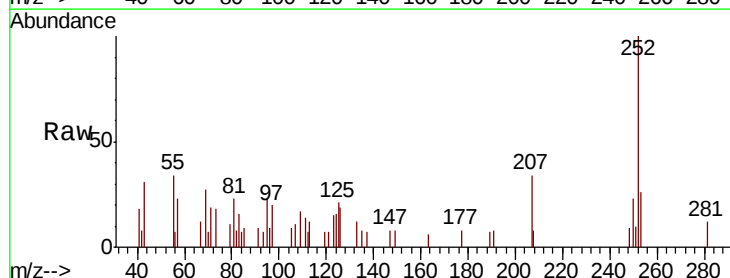
Instrument :  
BNA\_F  
ClientSampleId :  
167-58-(0-1)

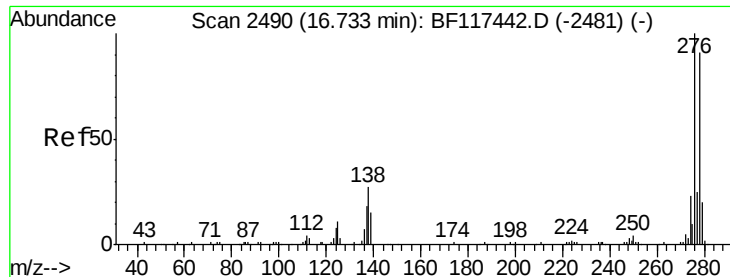
Tot Ion:252 Resp: 10056  
Ion Ratio Lower Upper  
252 100  
253 26.7 18.0 27.0  
125 21.9 8.9 13.3#



#90  
Benzo(a)pyrene  
Concen: 0.935 ng  
RT: 15.28 min Scan# 2243  
Delta R.T. 0.01 min  
Lab File: BF117512.D  
Acq: 24 Oct 2019 16:13

Tgt Ion:252 Resp: 5280  
Ion Ratio Lower Upper  
252 100  
253 25.9 16.3 24.5#  
125 20.8 9.2 13.8#





#91

Dibenzo(a,h)anthracene

Concen: 0.024 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

Instrument :

BNA\_F

ClientSampleId :

167-58-(0-1)

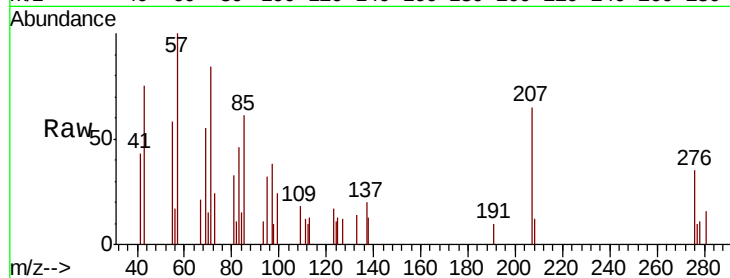
Tot Ion:278 Resp: 117

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

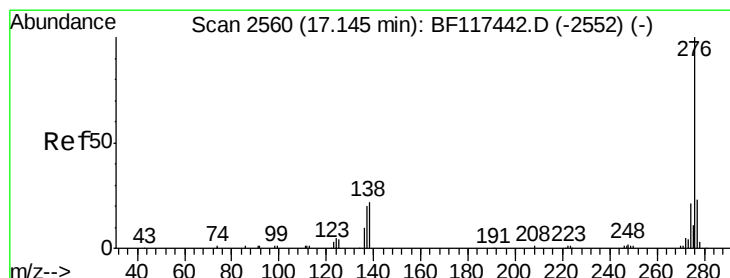
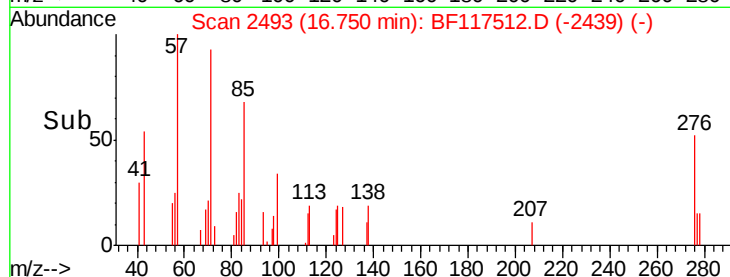
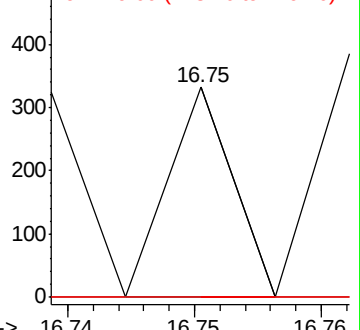
279 0.0 17.8 26.6#



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: 0.647 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117512.D

Acq: 24 Oct 2019 16:13

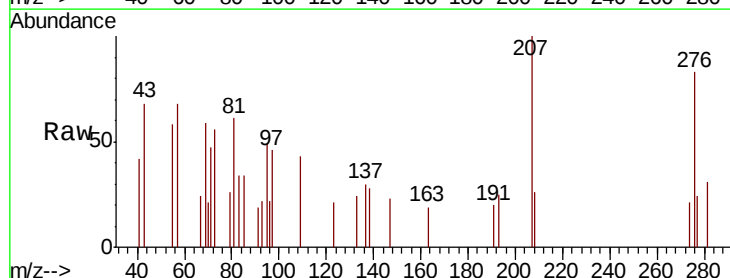
Tgt Ion:276 Resp: 2991

Ion Ratio Lower Upper

276 100

277 28.7 18.4 27.6#

138 33.9 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

