

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\  
 Data File : BF112156.D  
 Acq On : 21 Jan 2019 14:05  
 Operator : JU/SJ  
 Sample : K1009-01 2X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-A

Quant Time: Jan 21 16:25:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 19 01:02:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 276331   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 1068687  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 485591   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.37 | 188  | 737192   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 14.02 | 240  | 597889   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 531594   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.48  | 112  | 728839   | 47.87 | ng    | -0.01    |
| 7) Phenol-d6                | 6.49  | 99   | 904188   | 47.47 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 537139   | 34.73 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 209806   | 40.05 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 1091695  | 32.96 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.96 | 244  | 780063   | 27.76 | ng    | -0.01    |

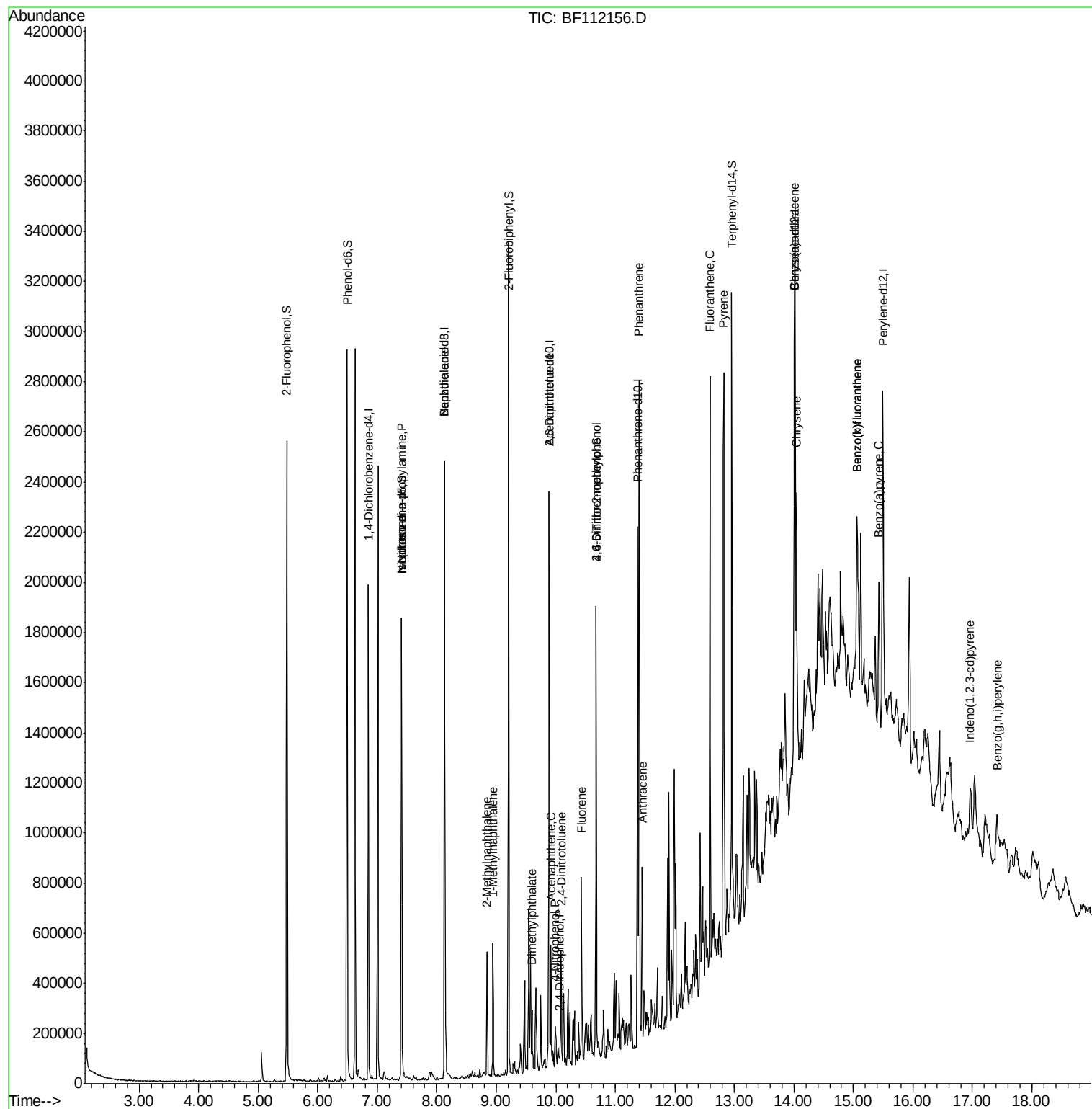
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.49  | 77   | 1635     | Below Cal |       | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 74813    | 6.447     | ng    | # 75   |
| 25) Isophorone                 | 7.41  | 82   | 532650   | 17.828    | ng    | # 64   |
| 32) Benzoic acid               | 8.13  | 122  | 267      | 7.214     | ng    | # 1    |
| 37) 2-Methylnaphthalene        | 8.85  | 142  | 126420   | 3.830     | ng    | 99     |
| 38) 1-Methylnaphthalene        | 8.95  | 142  | 131325   | 4.140     | ng    | 98     |
| 50) Dimethylphthalate          | 9.60  | 163  | 74311    | 2.098     | ng    | # 97   |
| 51) 2,6-Dinitrotoluene         | 9.89  | 165  | 69836    | 9.875     | ng    | # 34   |
| 52) Acenaphthene               | 9.92  | 154  | 86280    | 3.040     | ng    | 99     |
| 54) 2,4-Dinitrophenol          | 10.06 | 184  | 122      | 7.816     | ng    | # 1    |
| 56) 4-Nitrophenol              | 9.99  | 139  | 3642     | 6.254     | ng    | # 47   |
| 57) 2,4-Dinitrotoluene         | 10.09 | 165  | 2863     | 4.867     | ng    | # 1    |
| 58) Fluorene                   | 10.43 | 166  | 190861   | 5.953     | ng    | 99     |
| 65) 4,6-Dinitro-2-methylphenol | 10.67 | 198  | 395      | 10.171    | ng    | # 1    |
| 71) Phenanthrene               | 11.40 | 178  | 976209   | 26.313    | ng    | 99     |
| 72) Anthracene                 | 11.45 | 178  | 255486   | 6.798     | ng    | 99     |
| 75) Fluoranthene               | 12.59 | 202  | 857496   | 21.891    | ng    | 99     |
| 78) Pyrene                     | 12.82 | 202  | 980980   | 24.869    | ng    | 99     |
| 81) Benzo(a)anthracene         | 14.01 | 228  | 405774   | 11.837    | ng    | 95     |
| 83) Chrysene                   | 14.04 | 228  | 398015   | 12.270    | ng    | 97     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.96 | 276  | 124148   | 4.148     | ng    | # 94   |
| 88) Benzo(b)fluoranthene       | 15.06 | 252  | 484919   | 16.070    | ng    | # 90   |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 484919   | 16.603    | ng    | # 91   |
| 90) Benzo(a)pyrene             | 15.43 | 252  | 293222   | 10.596    | ng    | # 92   |
| 92) Benzo(g,h,i)perylene       | 17.42 | 276  | 122067   | 5.041     | ng    | 94     |

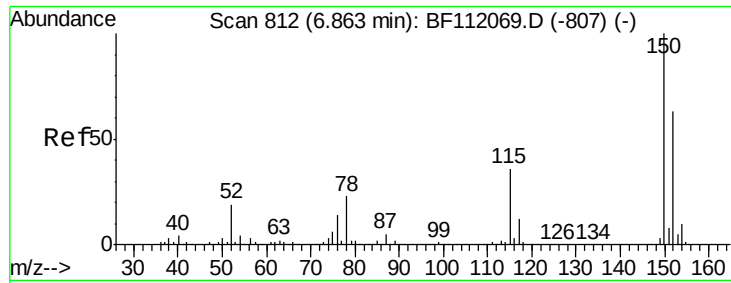
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K1009-01 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

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QLast Update : Sat Jan 19 01:02:12 2019  
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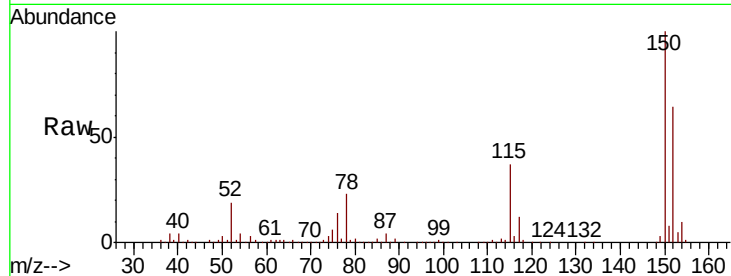


#1

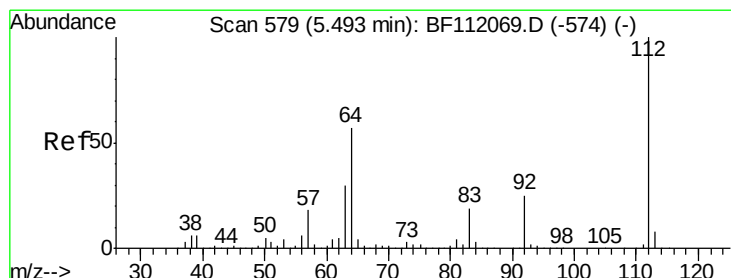
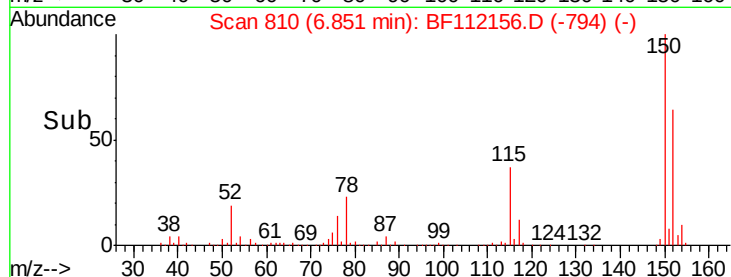
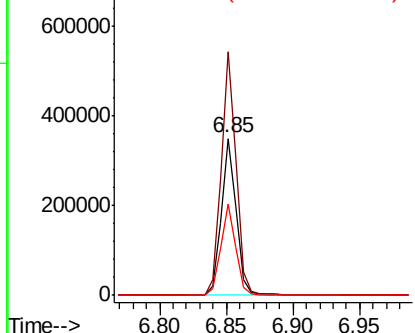
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 127.4 | 191.0 |
| 115     | 58.0  | 45.5  | 68.3  |



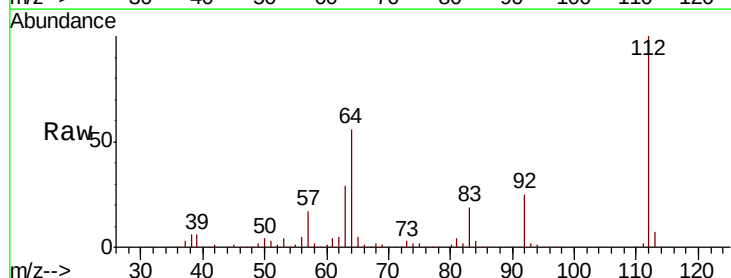
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



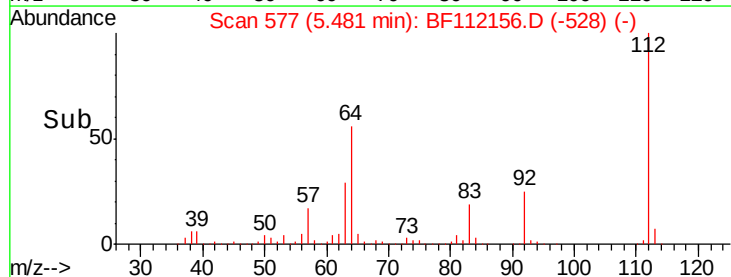
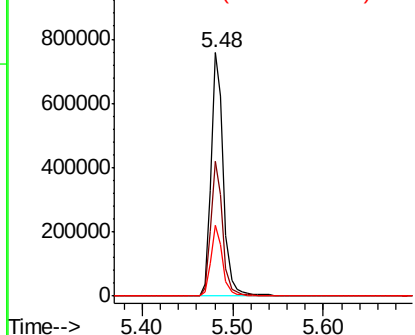
#5

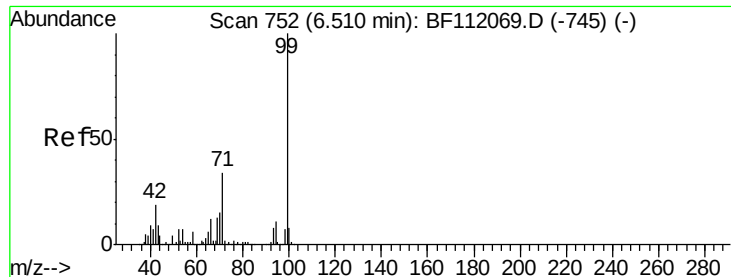
2-Fluorophenol  
Concen: 47.873 ng  
RT: 5.48 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.6  | 45.7  | 68.5  |
| 63      | 29.2  | 23.6  | 35.4  |



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





#7

Phenol-d6

Concen: 47.468 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

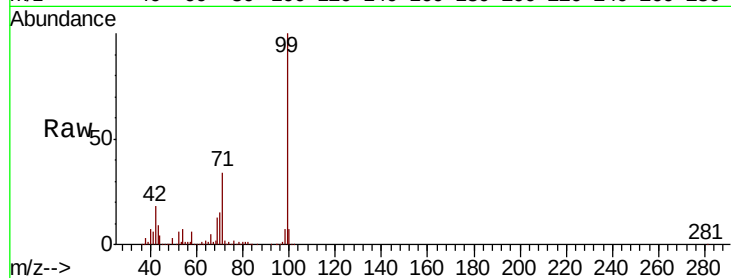
Tot Ion: 99 Resp: 904188

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

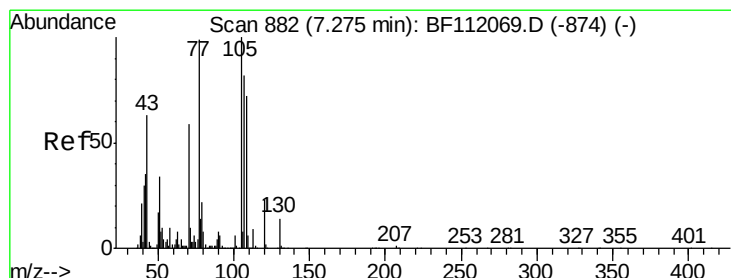
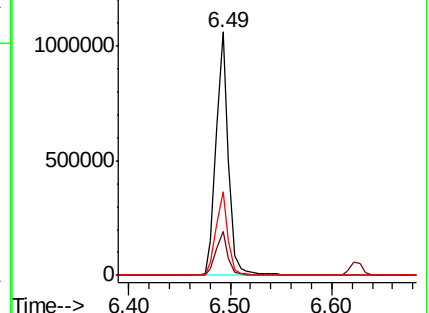
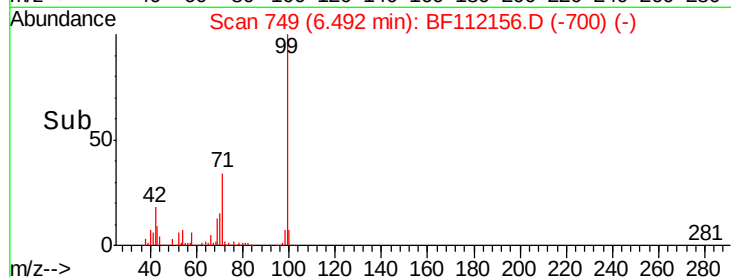
71 34.2 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.447 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Tgt Ion: 70 Resp: 74813

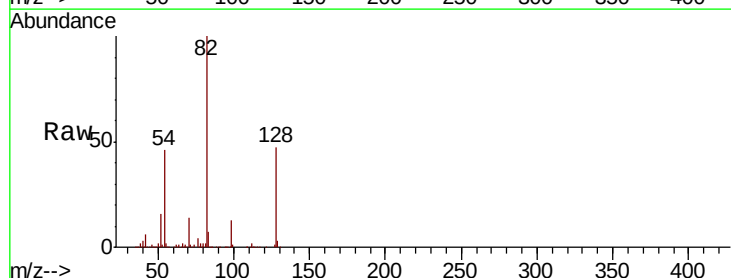
Ion Ratio Lower Upper

70 100

42 45.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.4 18.4 27.6#

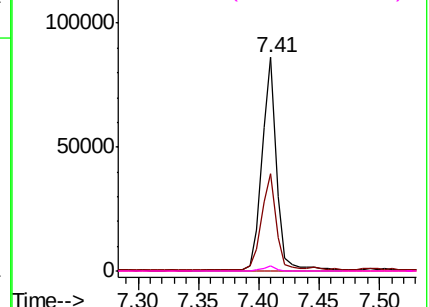
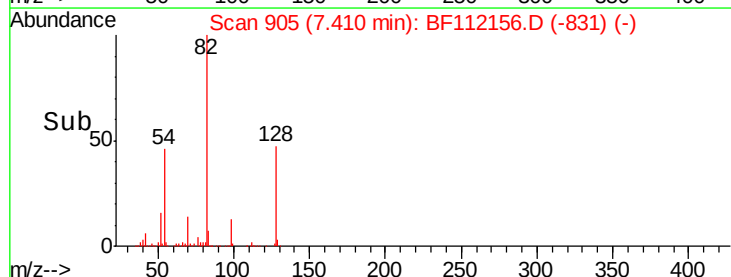


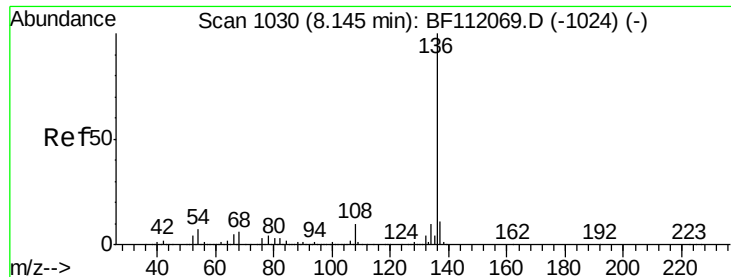
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

Tot Ion:136 Resp: 1068687

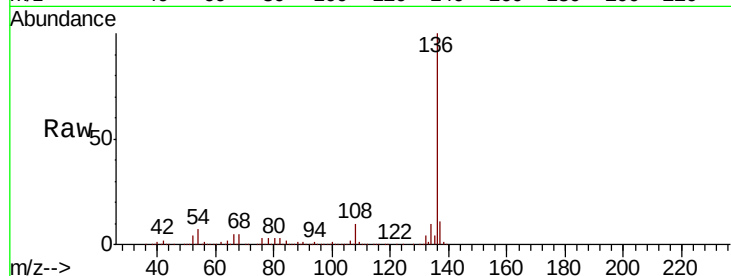
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.8 5.9 8.9

68 5.3 5.1 7.7

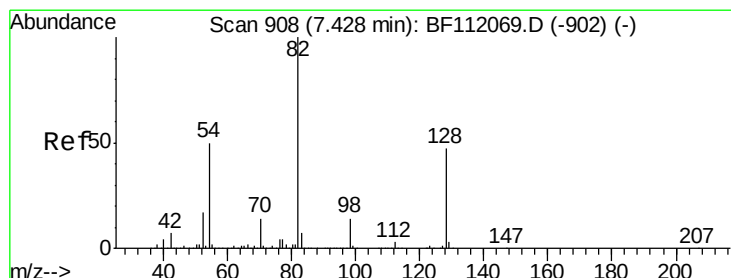
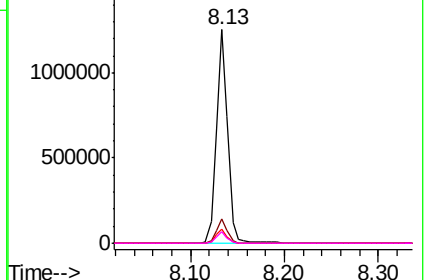
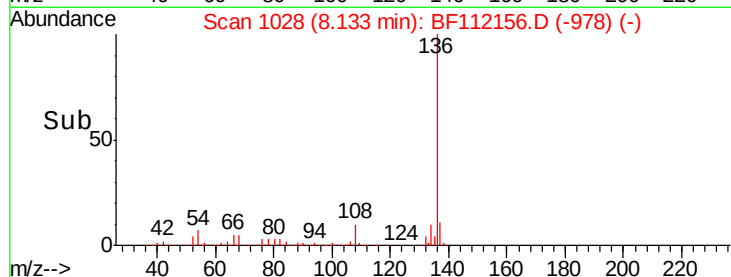


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 34.725 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

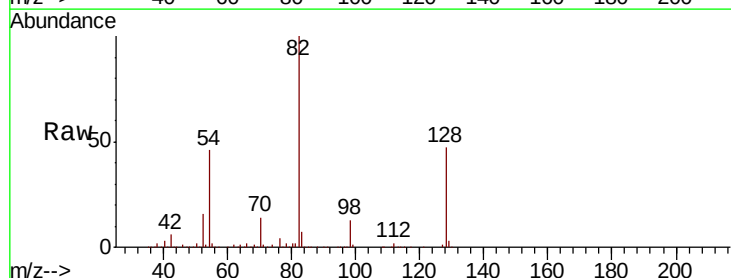
Tgt Ion: 82 Resp: 537139

Ion Ratio Lower Upper

82 100

128 46.7 37.8 56.8

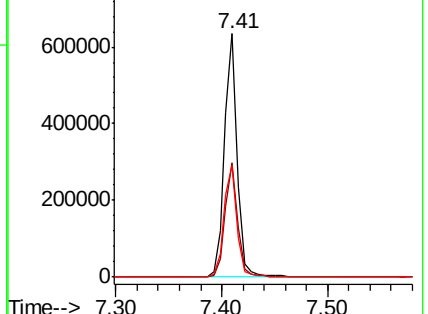
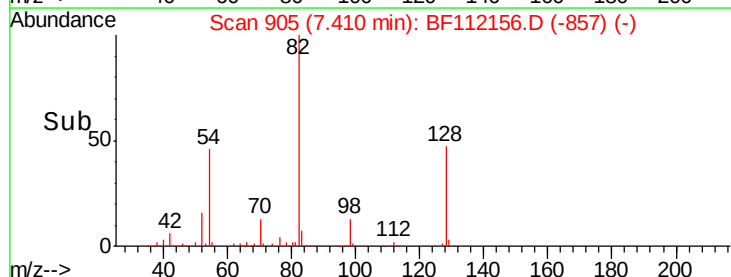
54 45.7 39.7 59.5

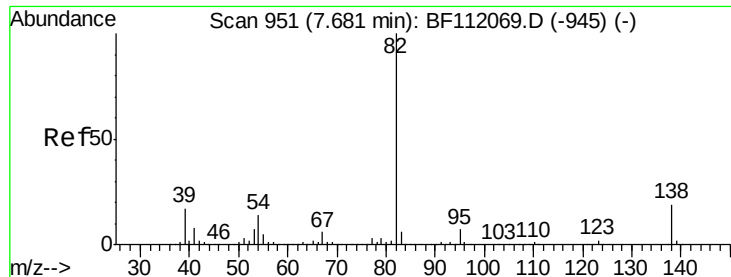


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.828 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

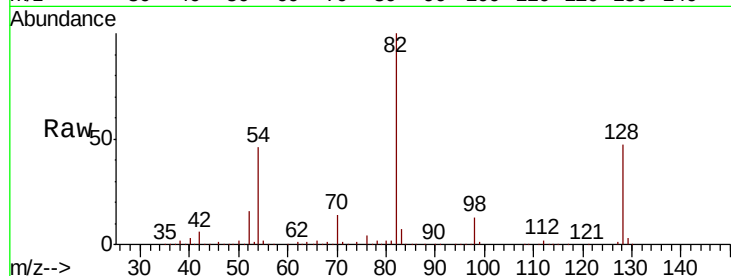
Tot Ion: 82 Resp: 532650

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

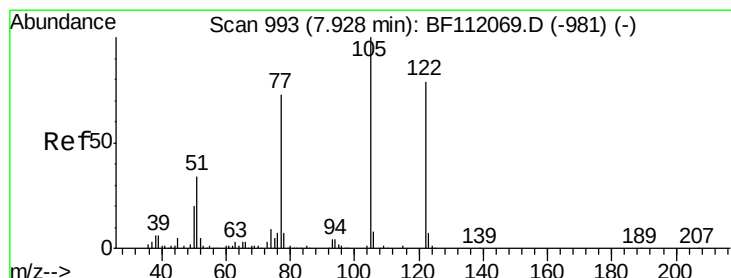
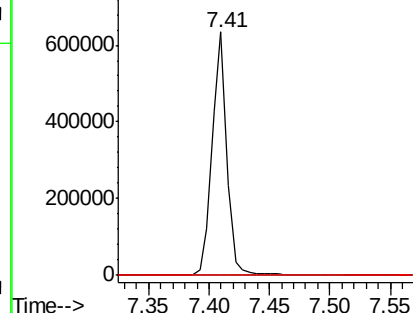
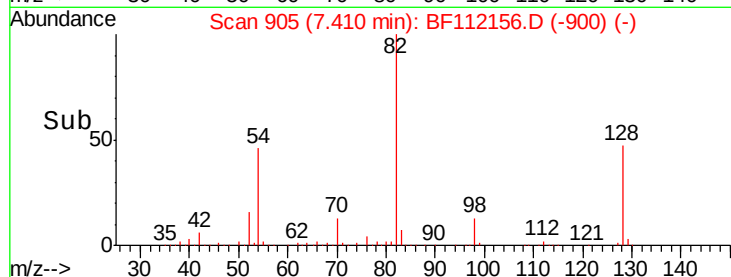
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.214 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.19 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

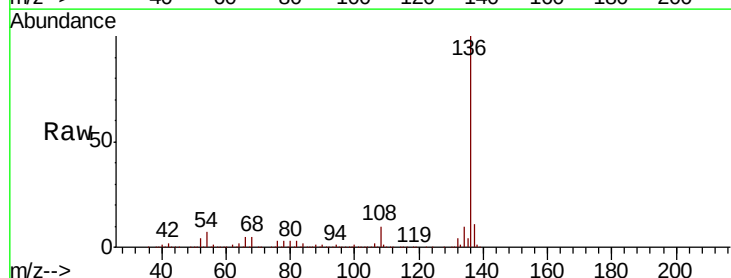
Tgt Ion:122 Resp: 267

Ion Ratio Lower Upper

122 100

105 377.9 101.2 141.2#

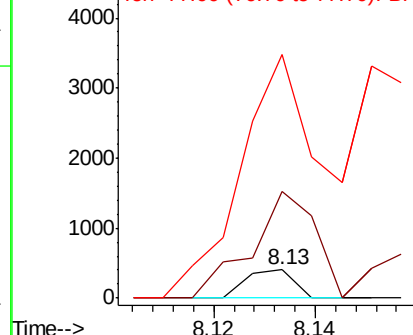
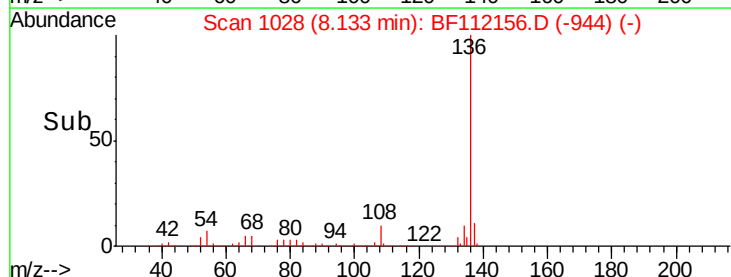
77 864.9 70.4 110.4#

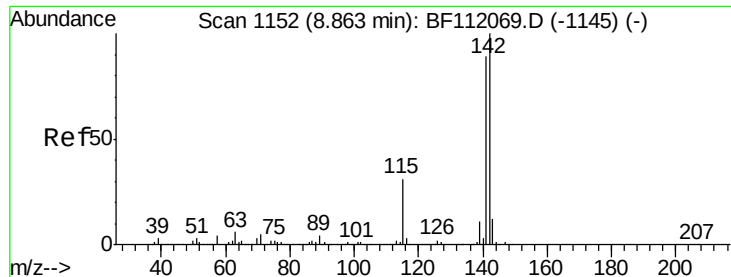


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

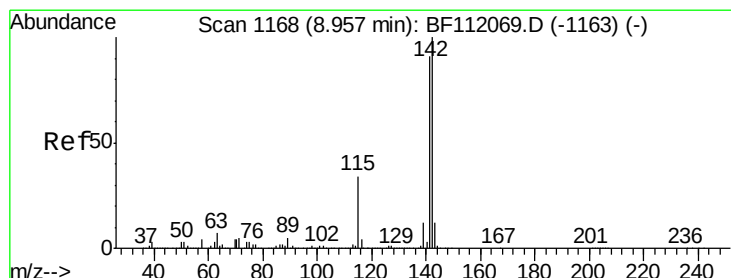
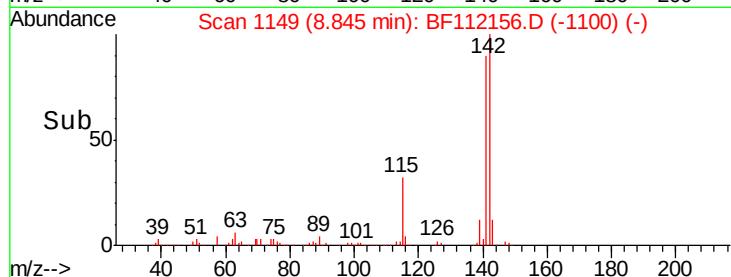
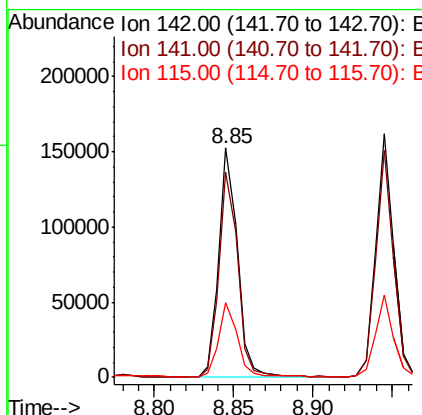
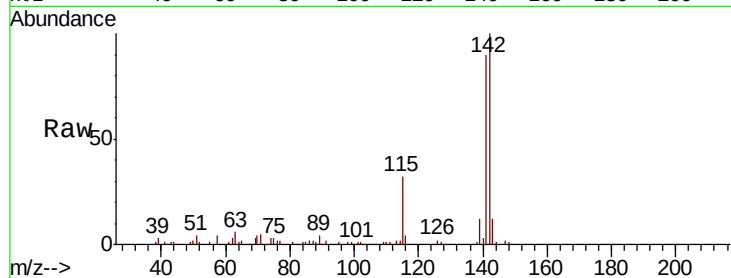




#37  
2-Methylnaphthalene  
Concen: 3.830 ng  
RT: 8.85 min Scan# 1149  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

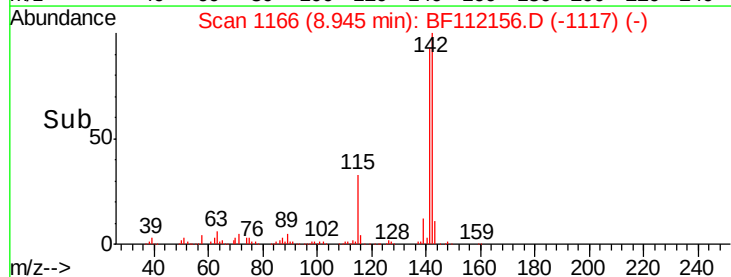
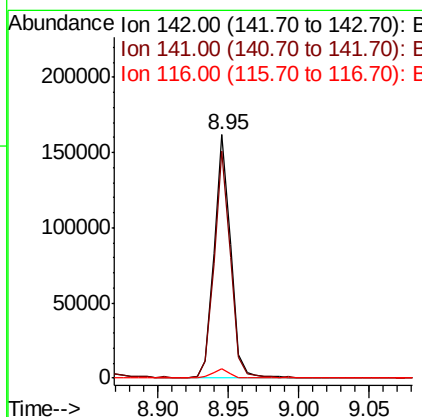
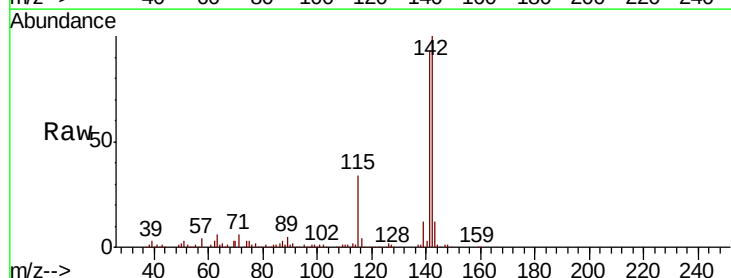
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

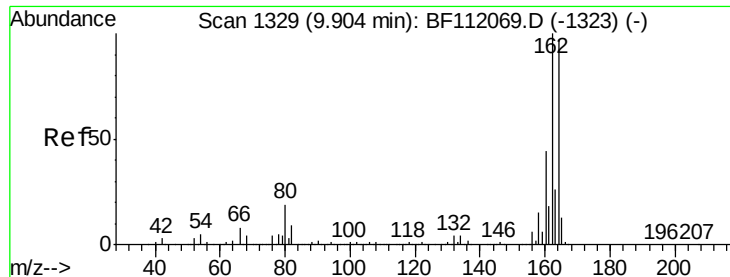
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 70.9  | 106.3 |
| 115     | 32.4  | 24.9  | 37.3  |



#38  
1-Methylnaphthalene  
Concen: 4.140 ng  
RT: 8.95 min Scan# 1166  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.1  | 72.6  | 108.8 |
| 116     | 3.8   | 2.8   | 4.2   |

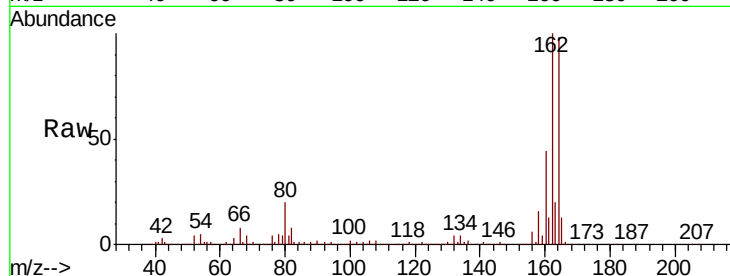




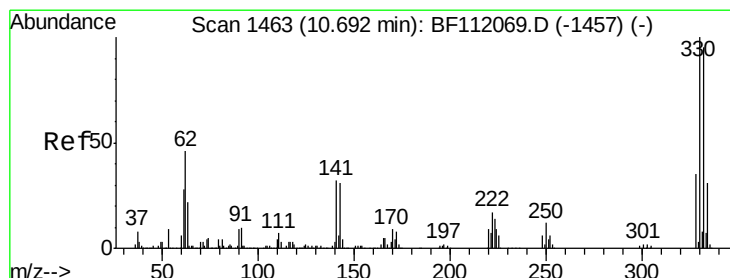
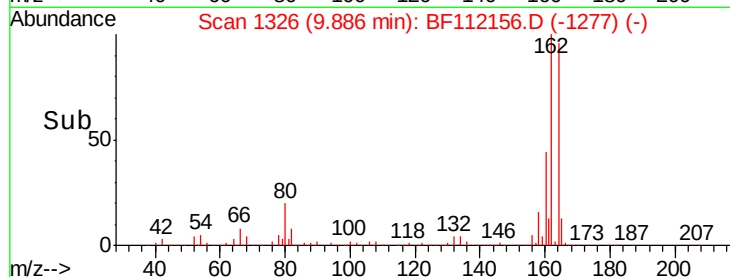
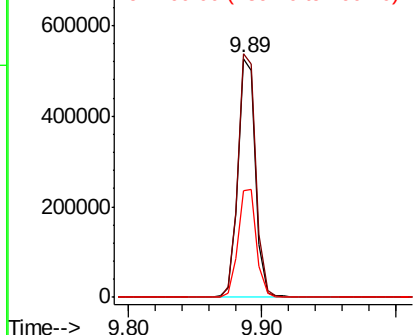
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.01 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-A

Tot Ion:164 Resp: 485591  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 82.2 123.4  
 160 44.9 36.2 54.4

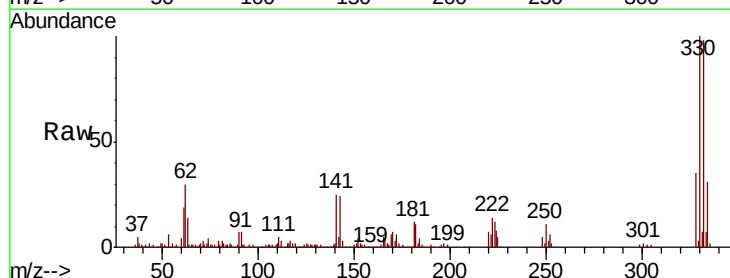


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

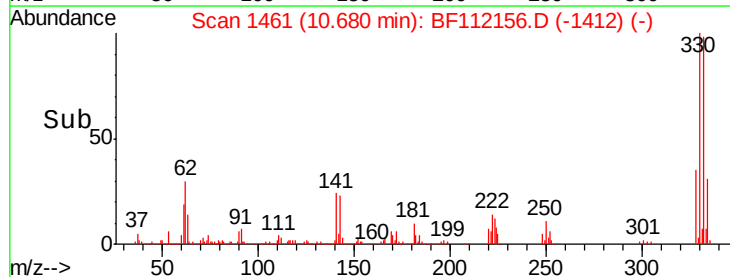
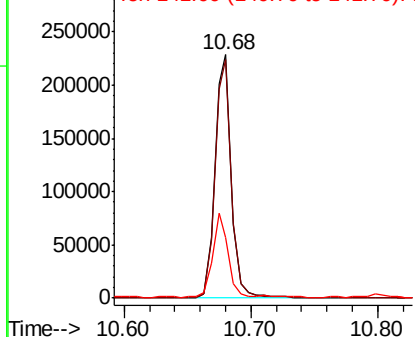


#42  
 2,4,6-Tribromophenol  
 Concen: 40.051 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

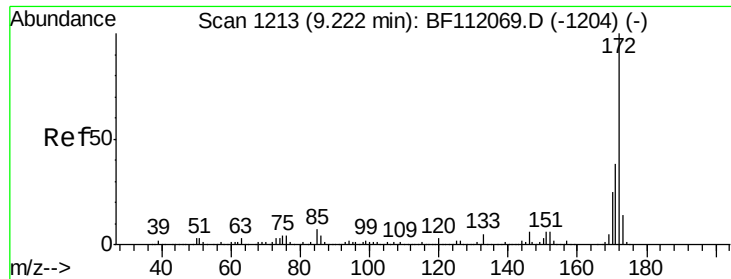
Tgt Ion:330 Resp: 209806  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.6 114.8  
 141 31.9 24.3 36.5



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



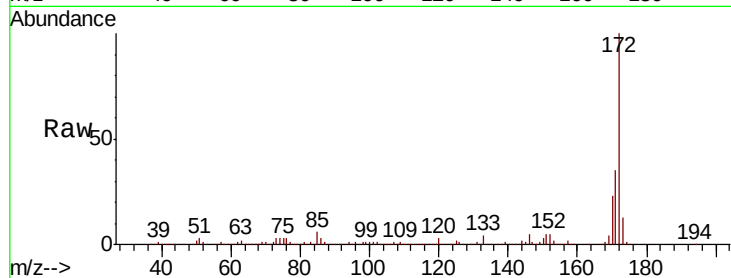




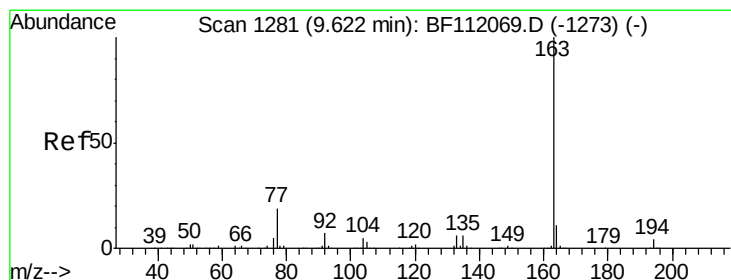
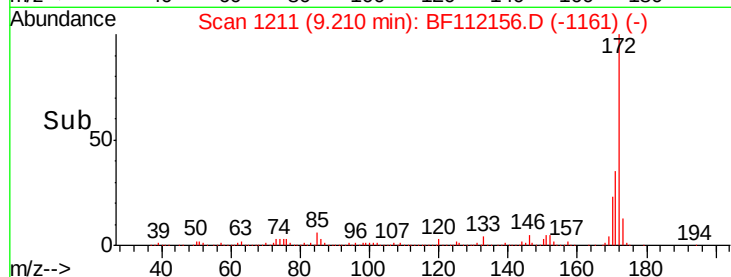
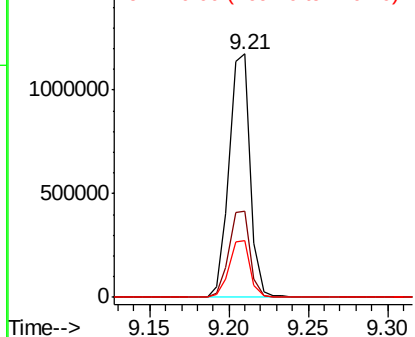
#45  
2-Fluorobiphenyl  
Concen: 32.961 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

Tot Ion:172 Resp: 1091695  
Ion Ratio Lower Upper  
172 100  
171 35.1 30.5 45.7  
170 23.2 20.2 30.4

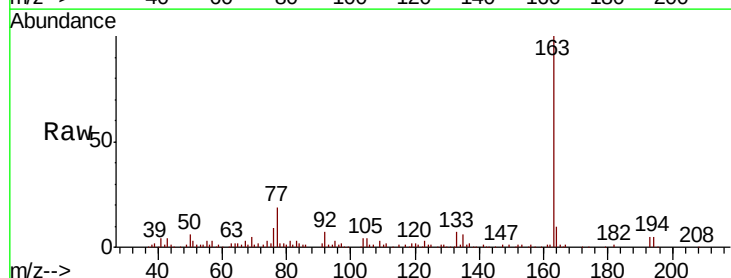


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

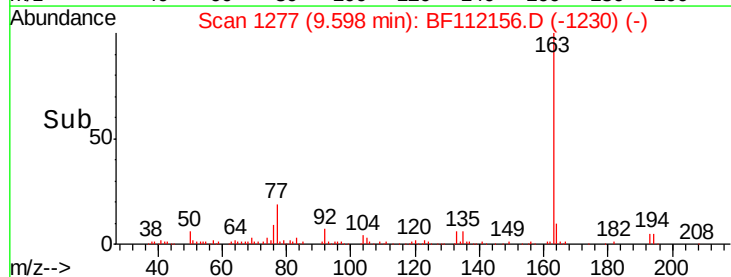
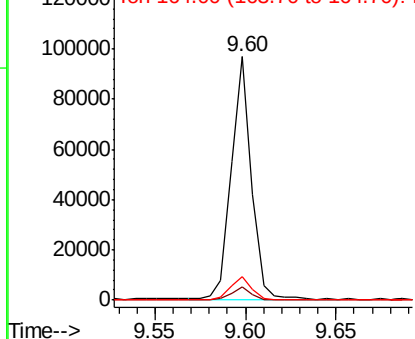


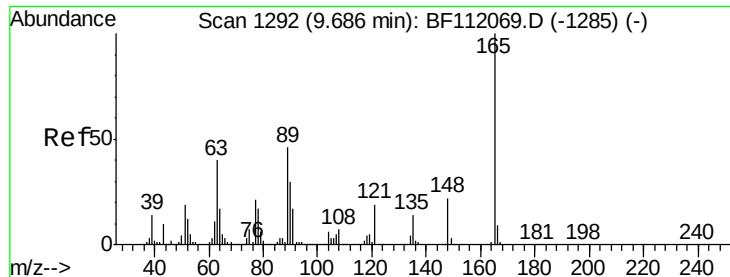
#50  
Dimethylphthalate  
Concen: 2.098 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.02 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Tgt Ion:163 Resp: 74311  
Ion Ratio Lower Upper  
163 100  
194 5.3 3.3 4.9#  
164 9.7 8.5 12.7



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





#51

2,6-Dinitrotoluene

Concen: 9.875 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.21 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

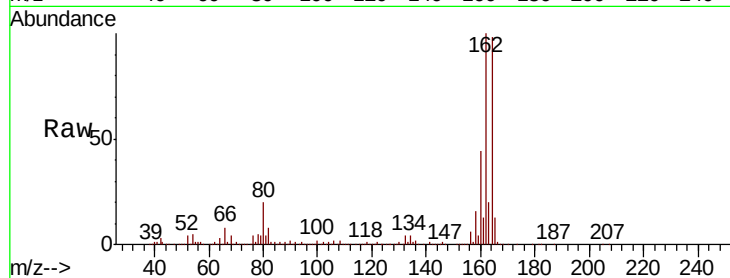
Tot Ion:165 Resp: 69836

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

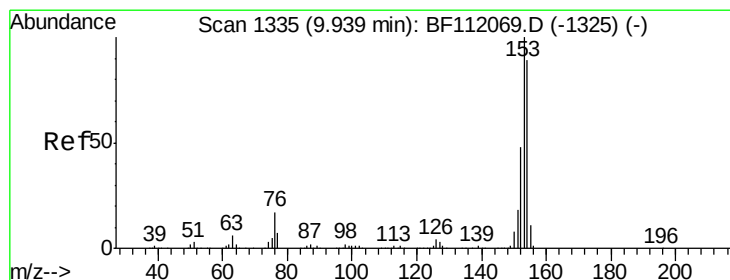
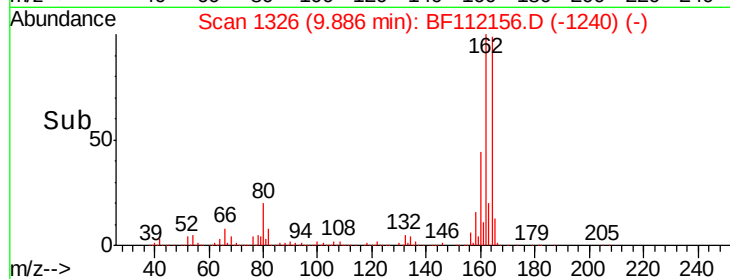
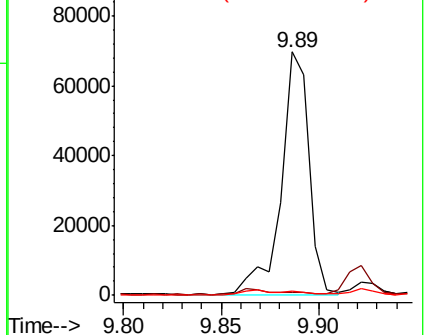
89 1.9 36.9 55.3#



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: 3.040 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

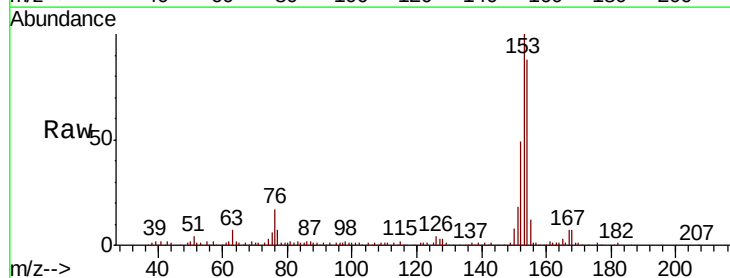
Tgt Ion:154 Resp: 86280

Ion Ratio Lower Upper

154 100

153 113.1 89.8 134.6

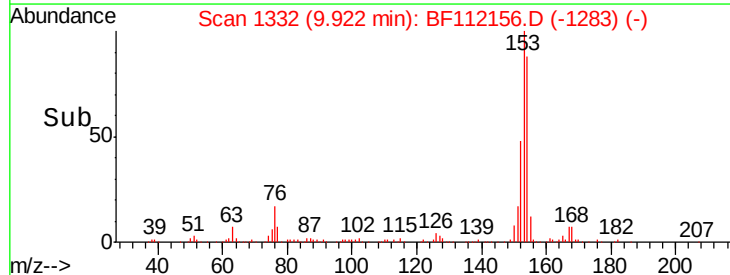
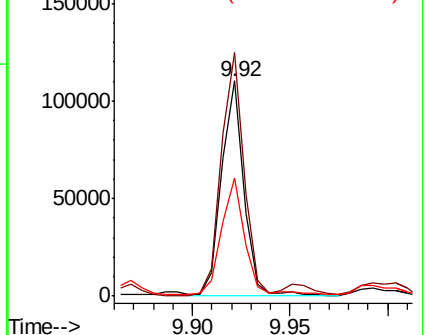
152 55.2 43.5 65.3

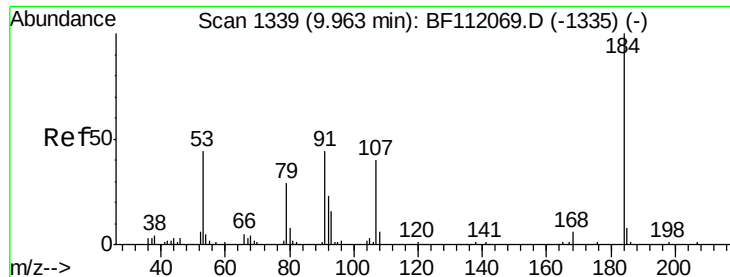


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

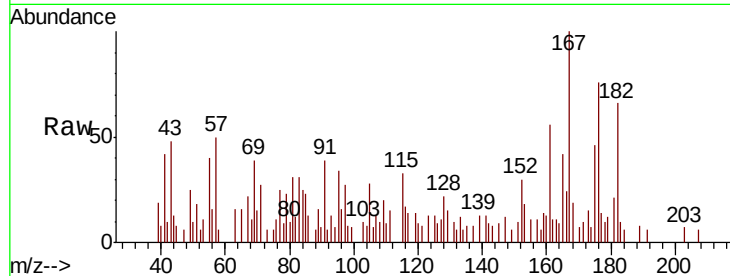




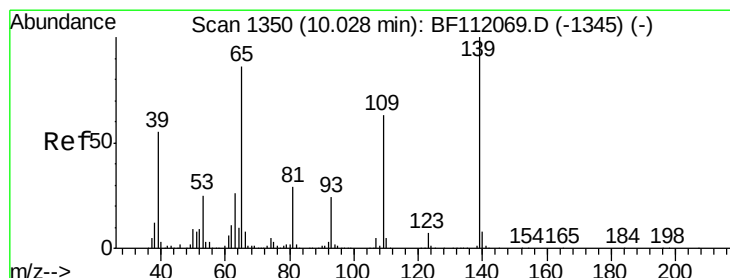
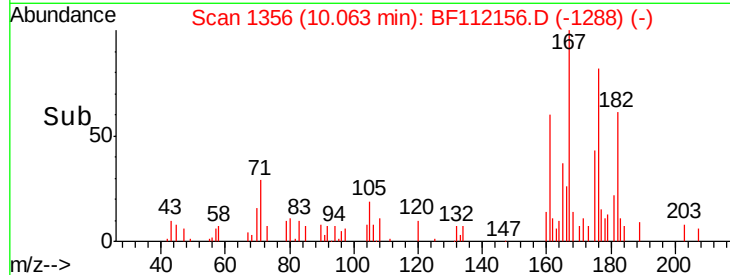
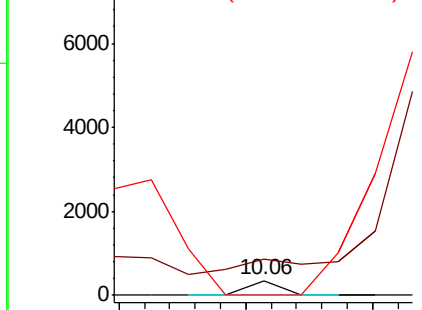
#54  
 2,4-Dinitrophenol  
 Concen: 7.816 ng  
 RT: 10.06 min Scan# 1356  
 Delta R.T. 0.10 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-A

Tot Ion:184 Resp: 122  
 Ion Ratio Lower Upper  
 184 100  
 63 248.8 47.1 70.7#  
 154 0.0 48.9 73.3#

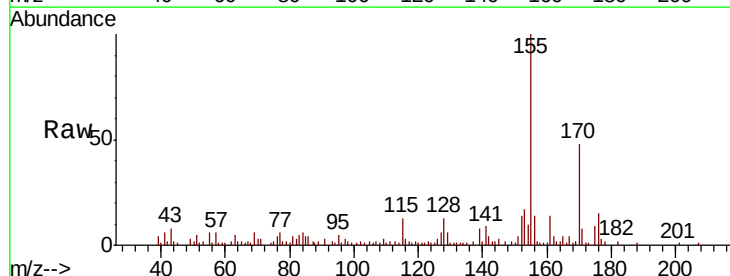


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E

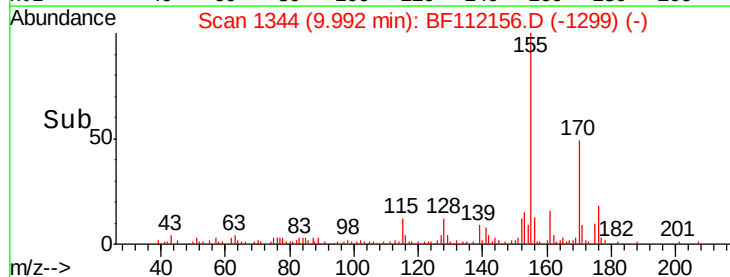
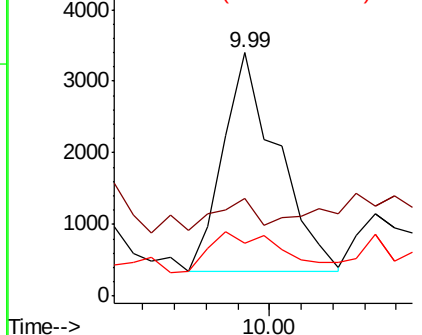


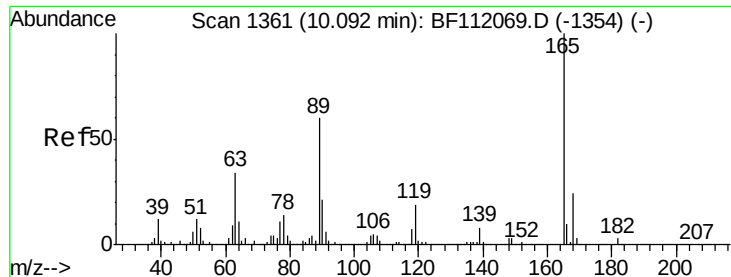
#56  
 4-Nitrophenol  
 Concen: 6.254 ng  
 RT: 9.99 min Scan# 1344  
 Delta R.T. -0.04 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

Tgt Ion:139 Resp: 3642  
 Ion Ratio Lower Upper  
 139 100  
 109 40.2 42.8 82.8#  
 65 21.9 66.1 106.1#



Abundance Ion 139.00 (138.70 to 139.70): E  
 Ion 109.00 (108.70 to 109.70): E  
 Ion 65.00 (64.70 to 65.70): BF1

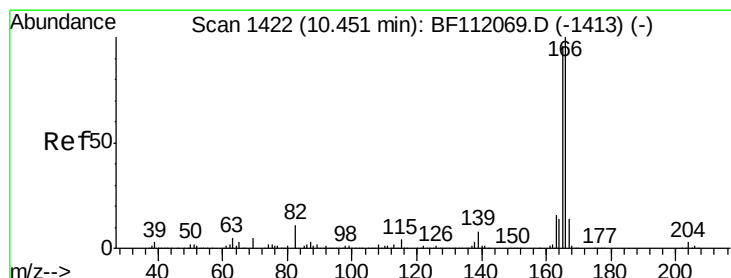
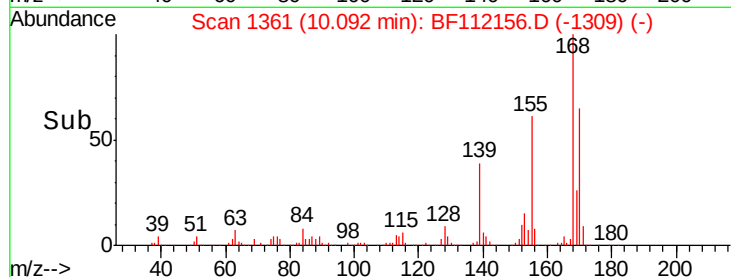
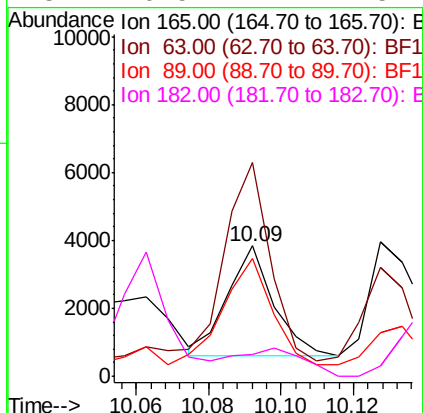
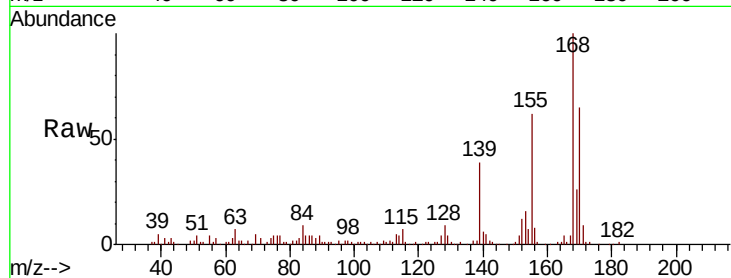




#57  
 2,4-Dinitrotoluene  
 Concen: 4.867 ng  
 RT: 10.09 min Scan# 1361  
 Delta R.T. 0.01 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

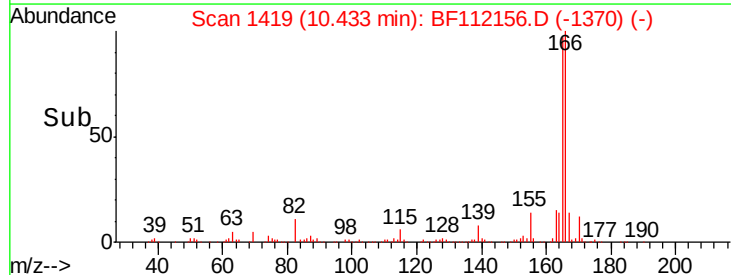
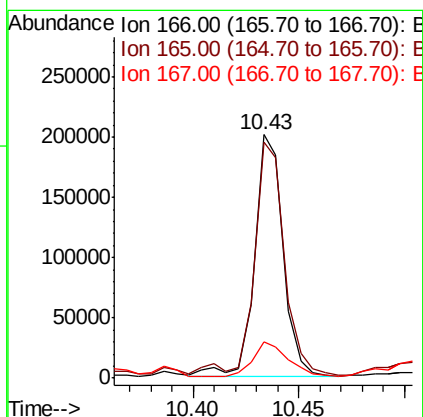
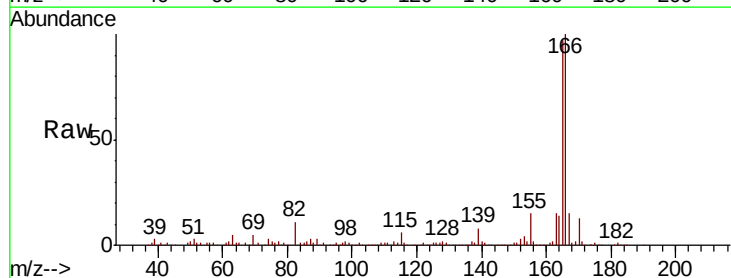
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-A

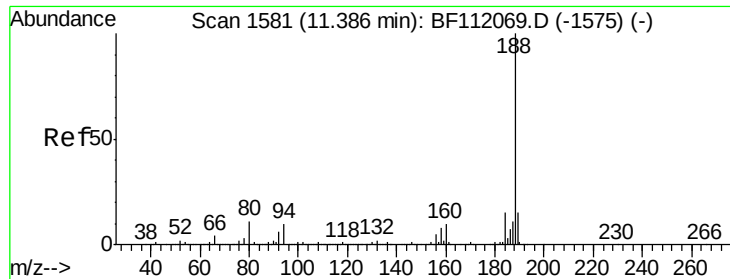
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 163.9 | 27.9  | 41.9# |
| 89      | 90.0  | 47.9  | 71.9# |
| 182     | 16.5  | 2.2   | 3.4#  |



#58  
 Fluorene  
 Concen: 5.953 ng  
 RT: 10.43 min Scan# 1419  
 Delta R.T. -0.01 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.9  | 77.1  | 115.7 |
| 167     | 14.7  | 11.3  | 16.9  |

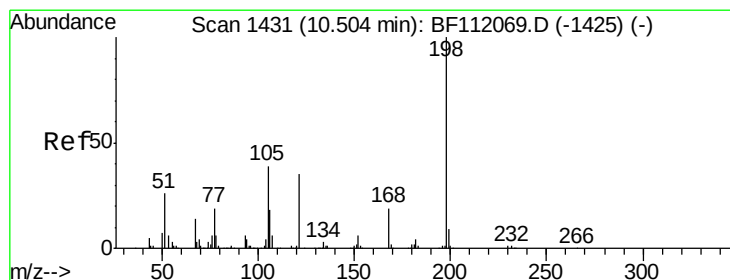
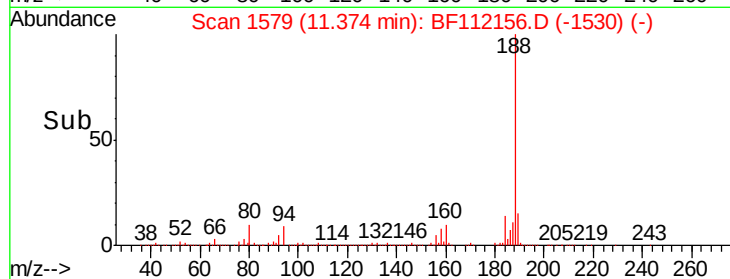
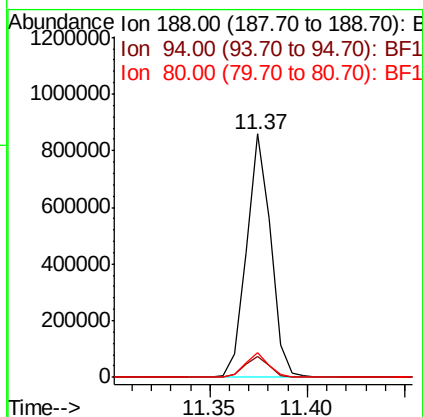
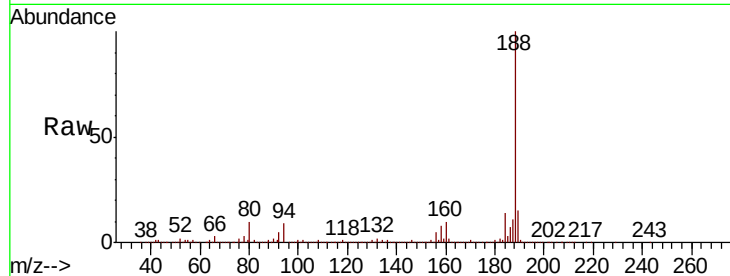




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

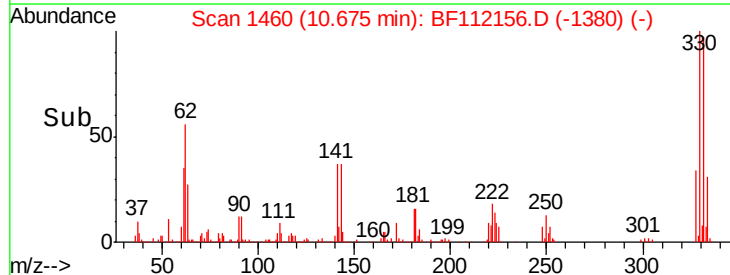
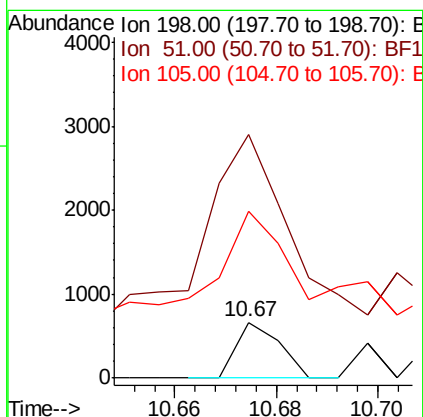
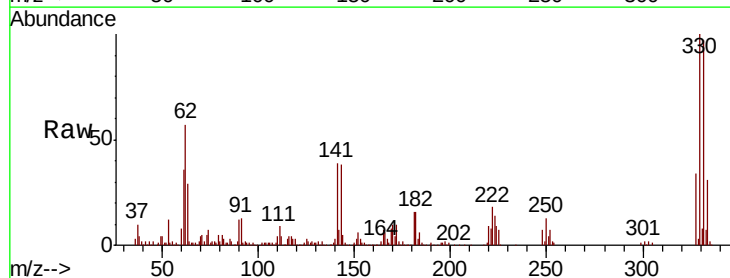
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

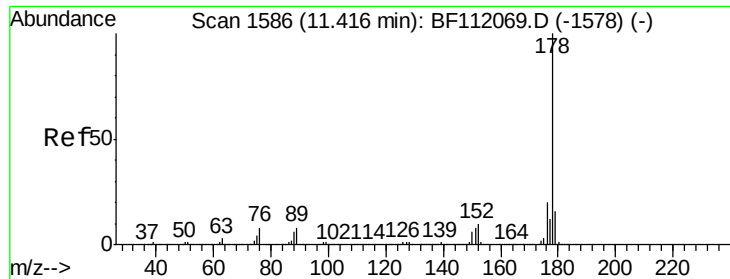
Tot Ion:188 Resp: 737192  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.2 12.2  
80 10.0 8.9 13.3



#65  
4,6-Dinitro-2-methylphenol  
Concen: 10.171 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. 0.17 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Tgt Ion:198 Resp: 395  
Ion Ratio Lower Upper  
198 100  
51 434.1 17.2 57.2#  
105 297.5 21.9 61.9#

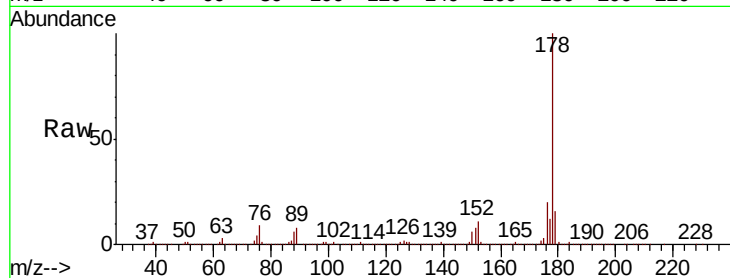




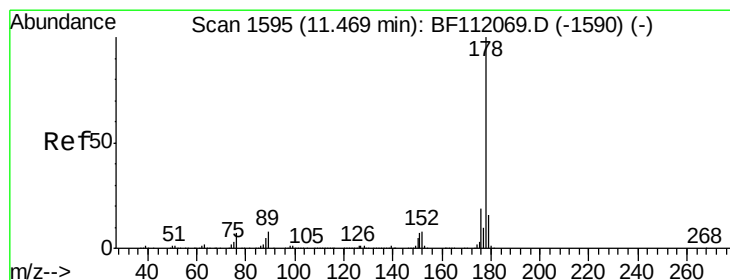
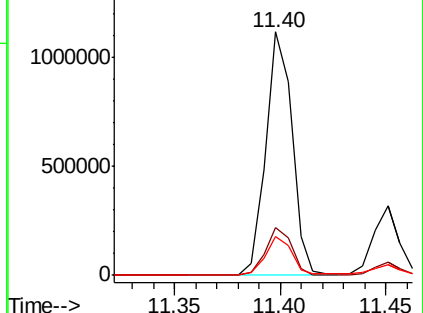
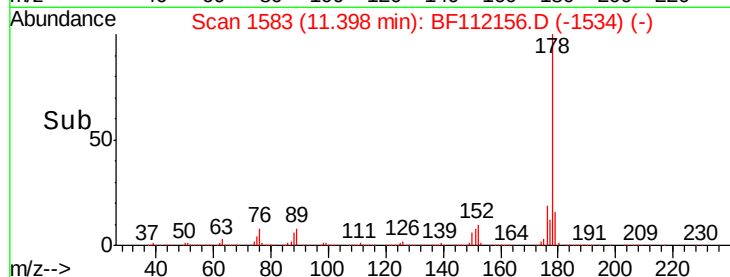
#71  
Phenanthrene  
Concen: 26.313 ng  
RT: 11.40 min Scan# 1583  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

Tot Ion:178 Resp: 976209  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.3 24.5  
179 16.0 13.0 19.4

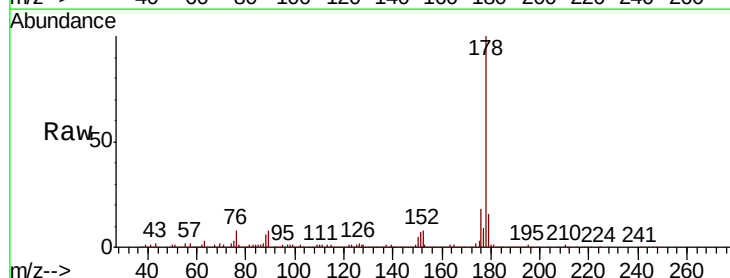


Abundance Ion 178.00 (177.70 to 178.70): E  
1500000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

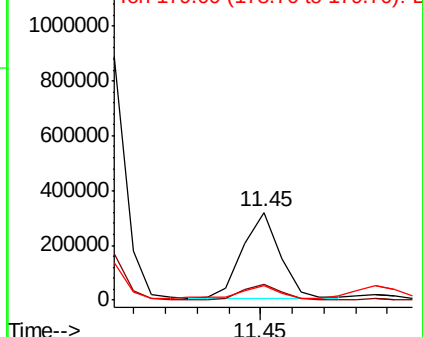
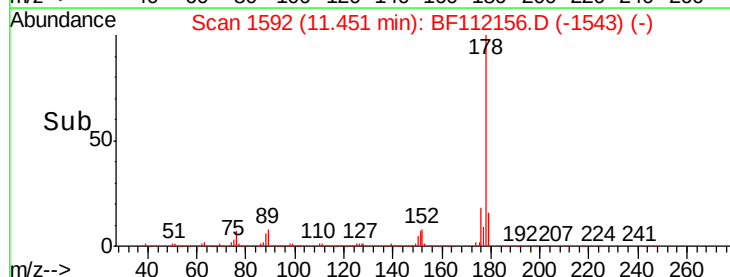


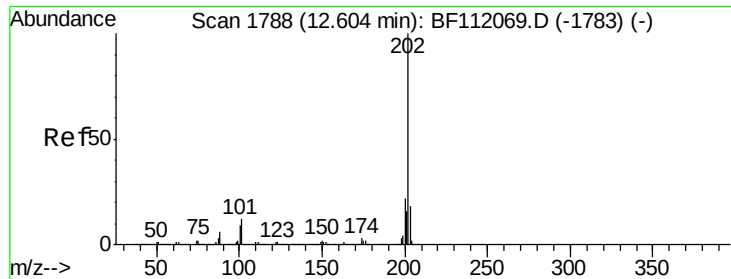
#72  
Anthracene  
Concen: 6.798 ng  
RT: 11.45 min Scan# 1592  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

Tgt Ion:178 Resp: 255486  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.5 23.3  
179 16.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E  
1200000 Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.891 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

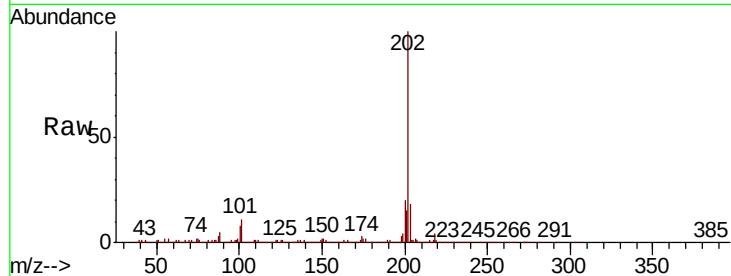
Tot Ion:202 Resp: 857496

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.8

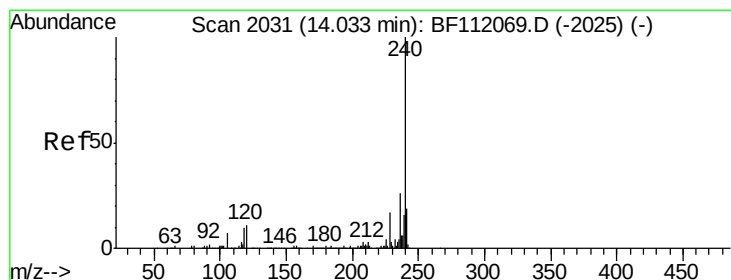
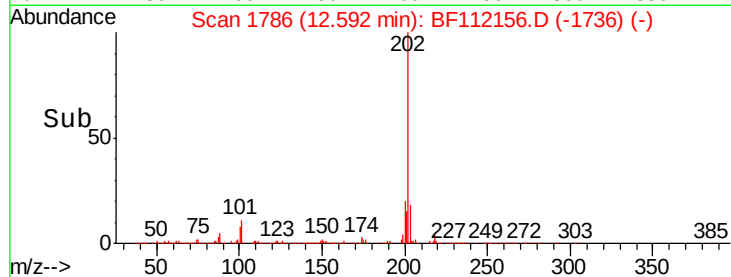
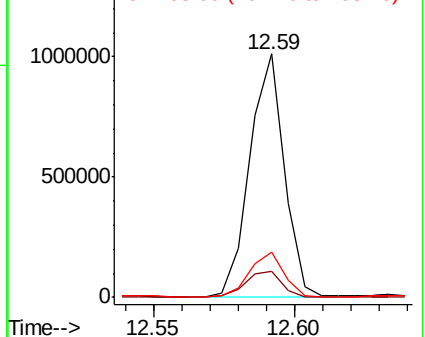
203 18.3 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

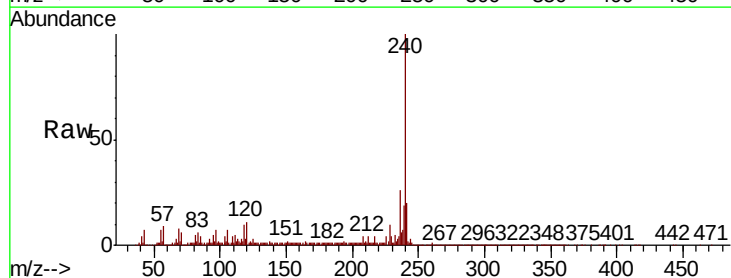
Tgt Ion:240 Resp: 597889

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.6

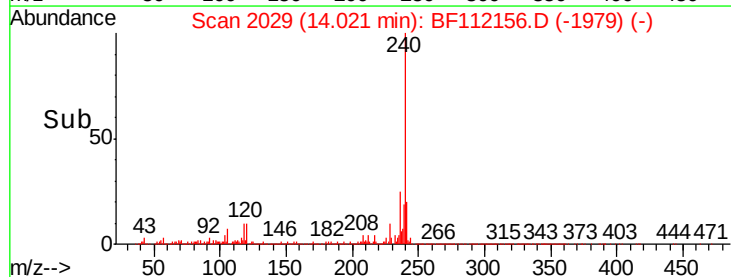
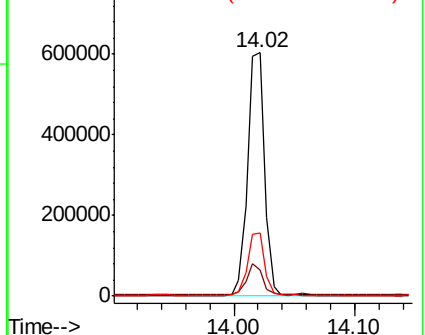
236 25.7 20.7 31.1

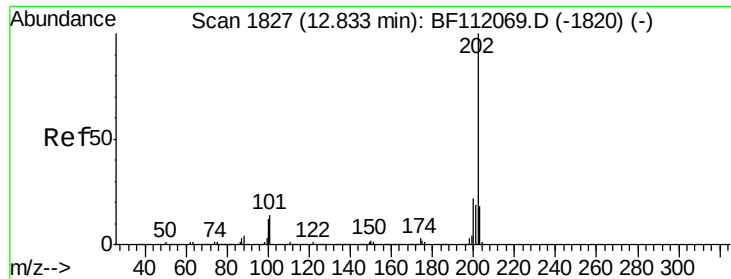


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 24.869 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

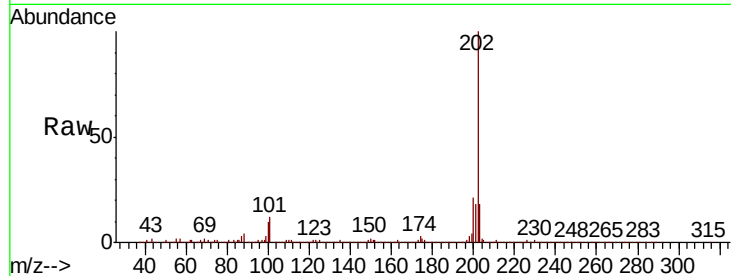
Tot Ion:202 Resp: 980980

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

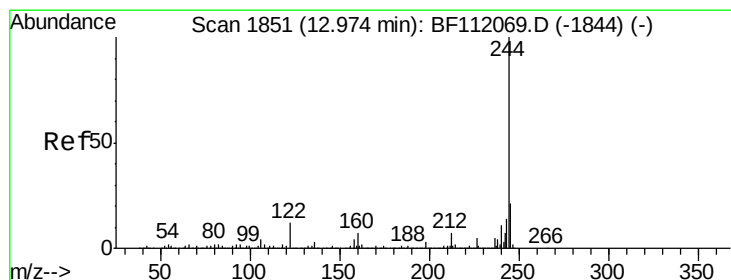
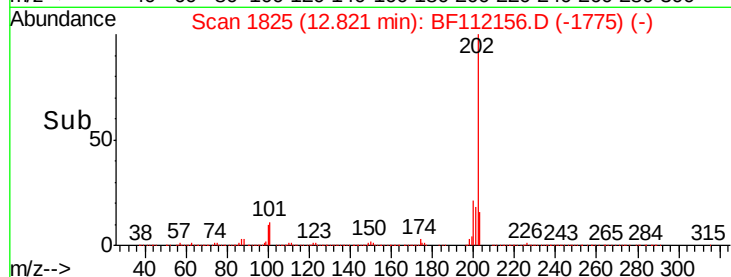
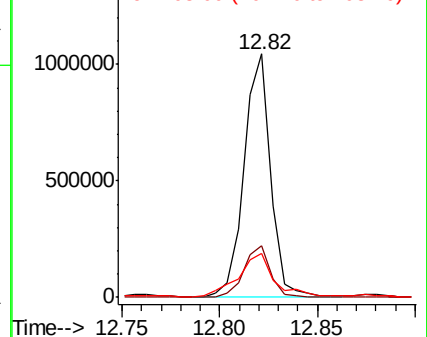
203 18.0 14.6 22.0



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: 27.756 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

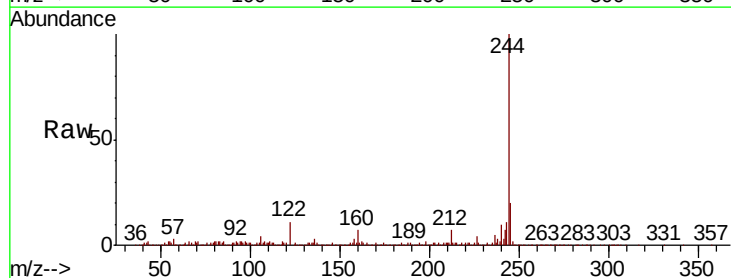
Tgt Ion:244 Resp: 780063

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

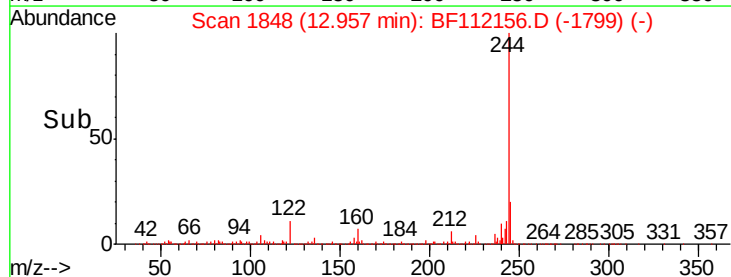
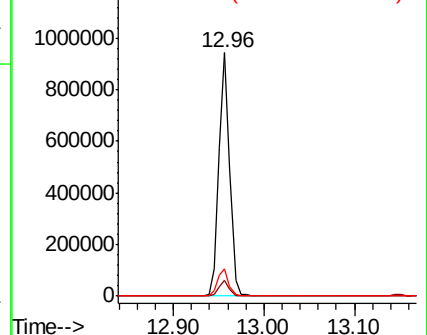
122 11.1 9.8 14.6



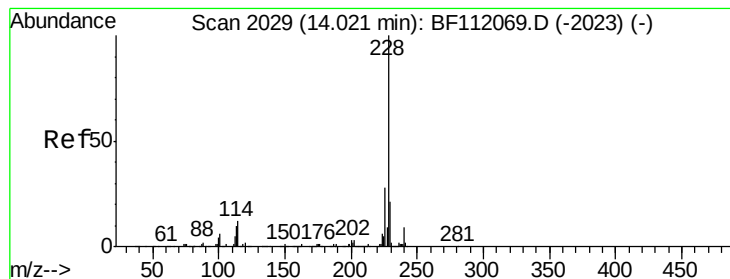
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#81

Benzo(a)anthracene

Concen: 11.837 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

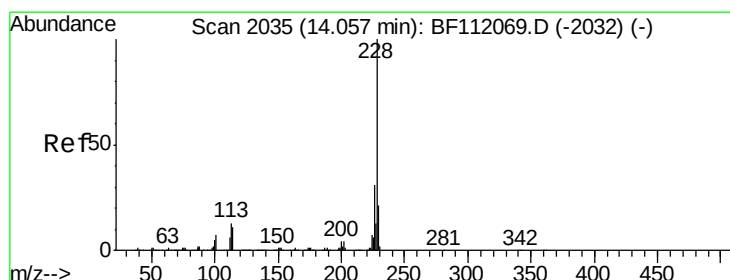
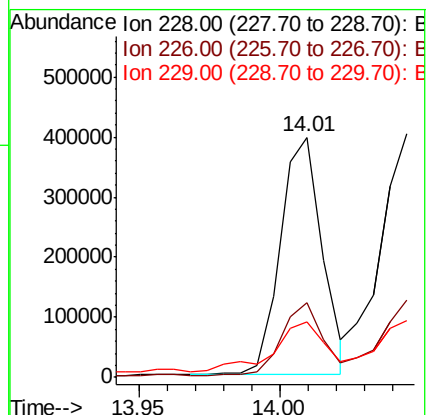
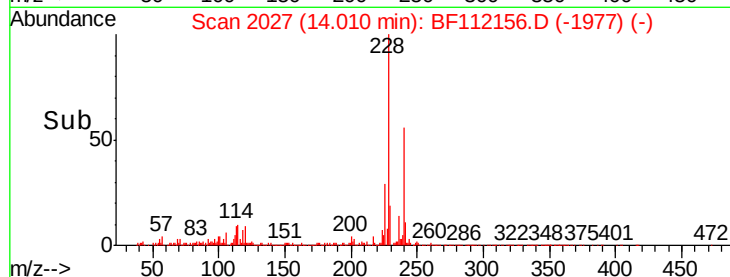
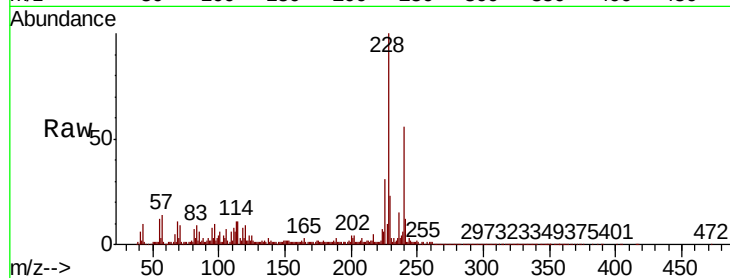
Tot Ion:228 Resp: 405774

Ion Ratio Lower Upper

228 100

226 31.0 22.6 34.0

229 22.9 16.5 24.7



#83

Chrysene

Concen: 12.270 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

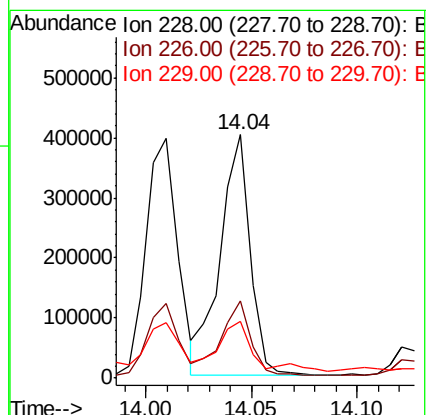
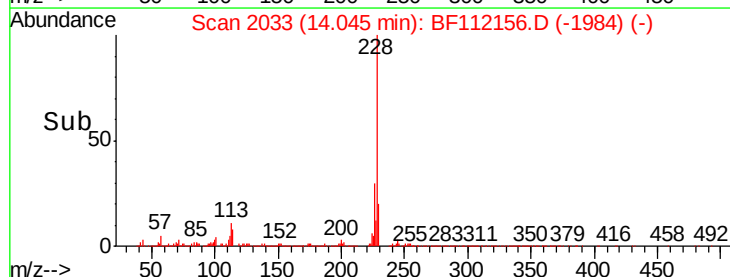
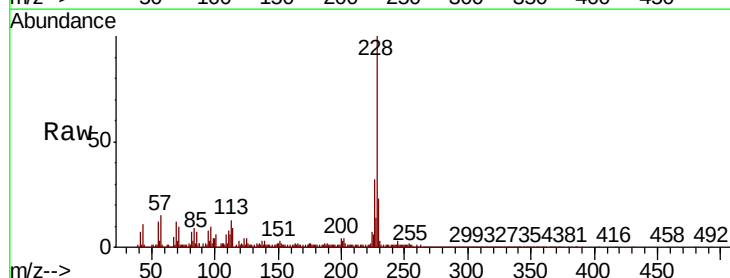
Tgt Ion:228 Resp: 398015

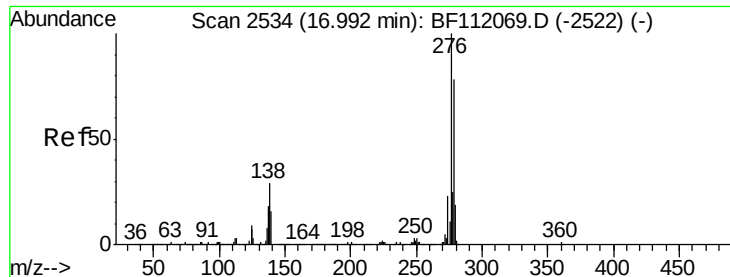
Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 23.3 16.6 24.8

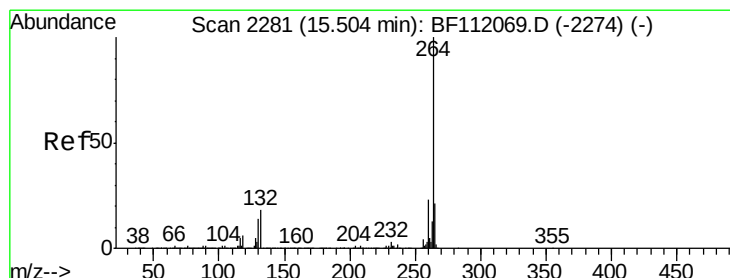
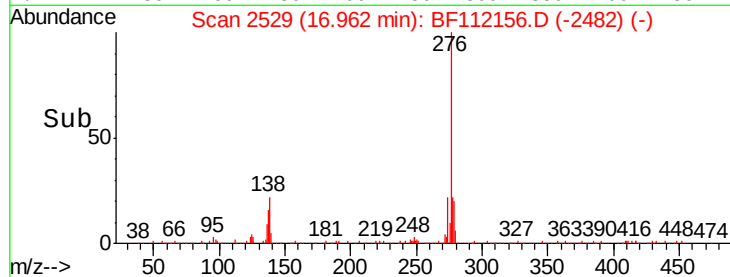
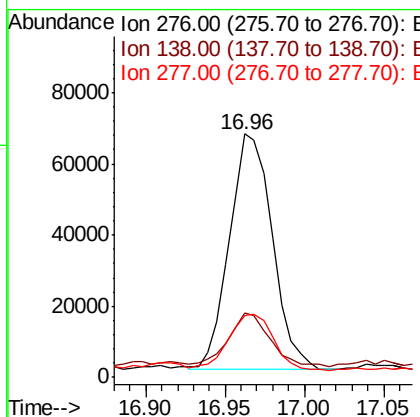
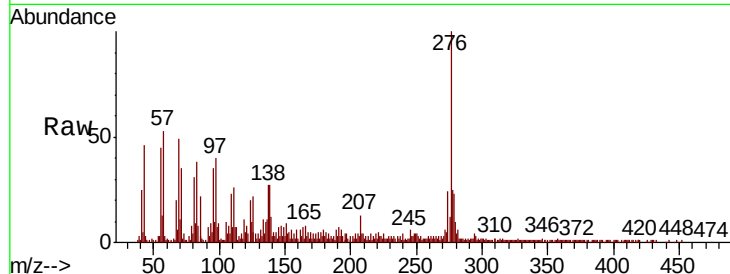




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.148 ng  
 RT: 16.96 min Scan# 2529  
 Delta R.T. -0.02 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

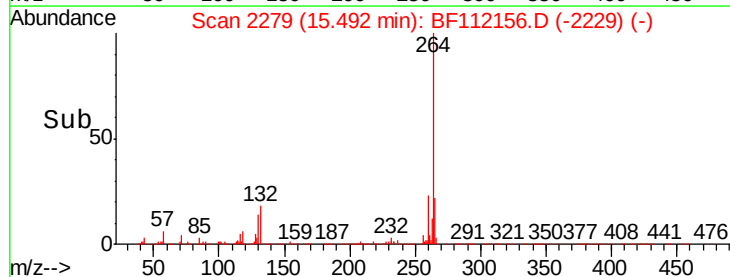
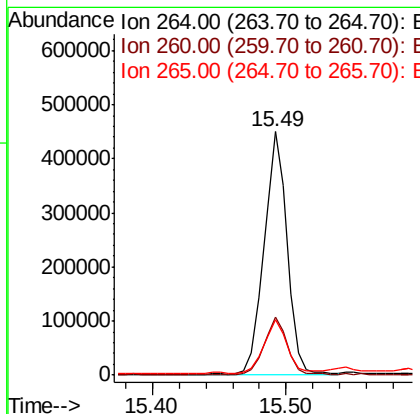
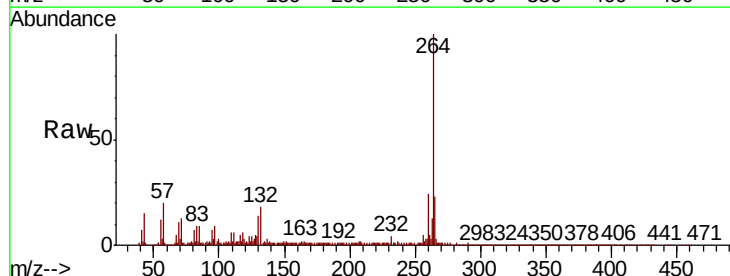
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-011819-A

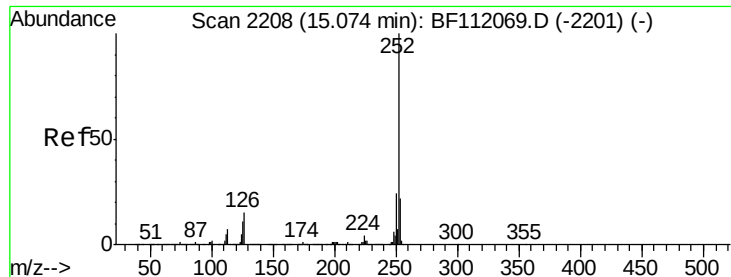
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.3  | 22.6  | 34.0# |
| 277     | 24.9  | 20.3  | 30.5  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BF112156.D  
 Acq: 21 Jan 2019 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.2  | 27.2  |
| 265     | 22.9  | 17.0  | 25.4  |

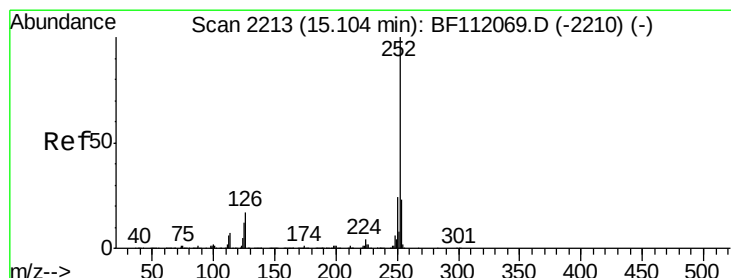
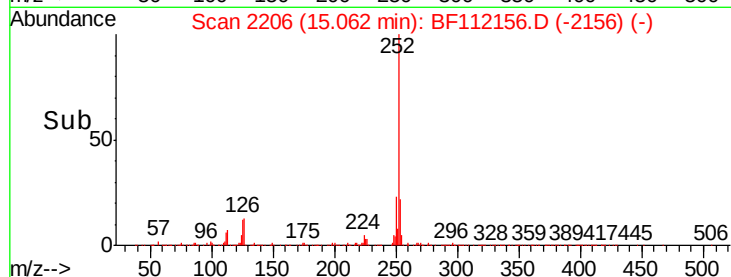
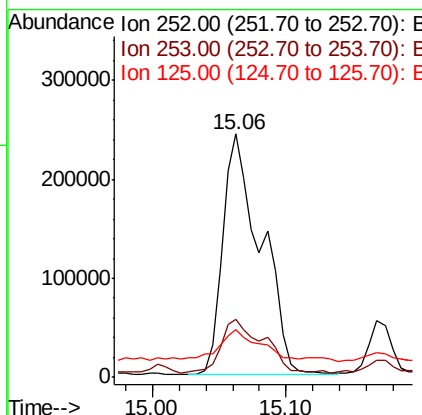
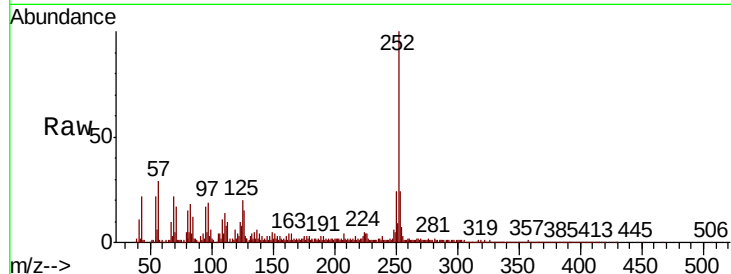




#88  
Benzo(b)fluoranthene  
Concen: 16.070 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

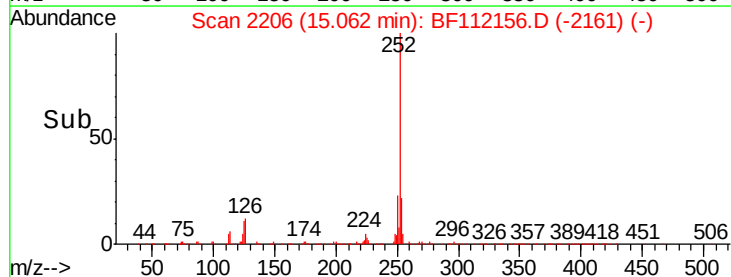
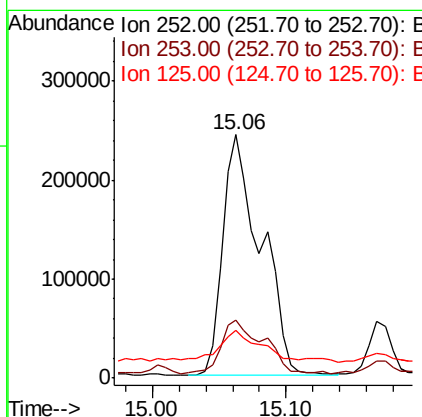
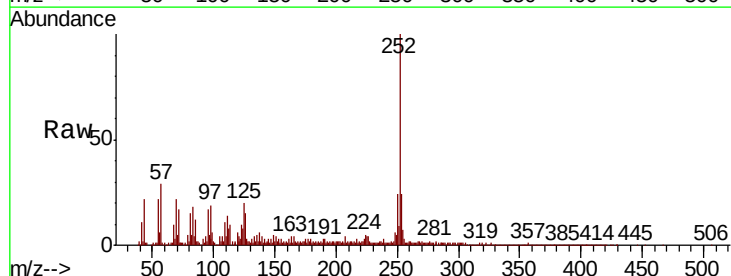
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-011819-A

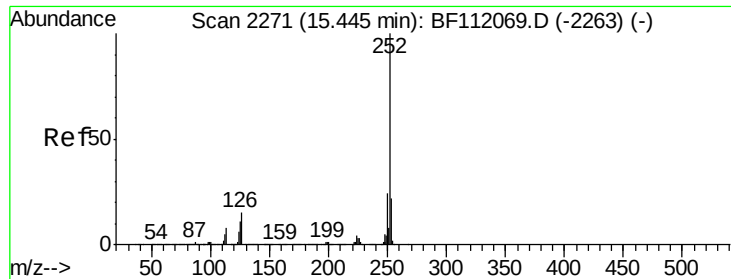
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 18.0  | 27.0  |
| 125     | 19.7  | 8.7   | 13.1# |



#89  
Benzo(k)fluoranthene  
Concen: 16.603 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.04 min  
Lab File: BF112156.D  
Acq: 21 Jan 2019 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.0  | 18.0  | 27.0  |
| 125     | 19.7  | 9.1   | 13.7# |





#90

Benzo(a)pyrene

Concen: 10.596 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

Instrument :

BNA\_F

ClientSampleId :

CL-01-011819-A

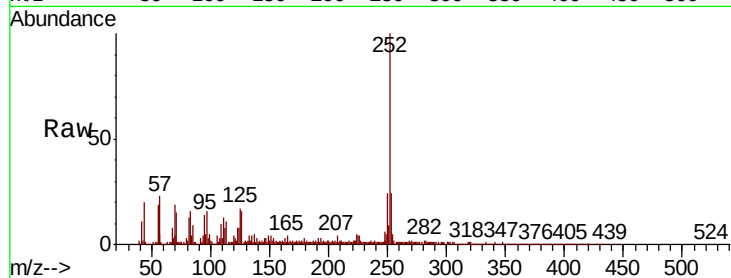
Tot Ion:252 Resp: 293222

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

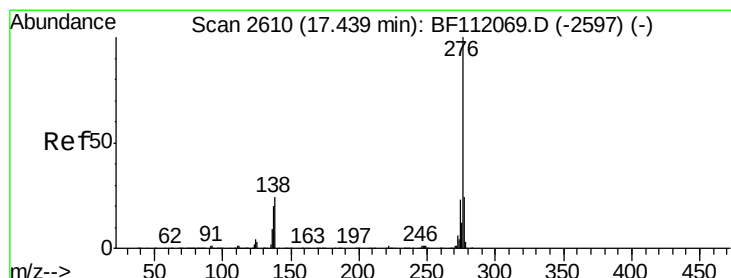
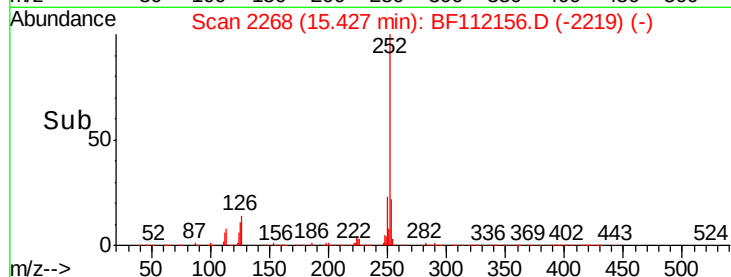
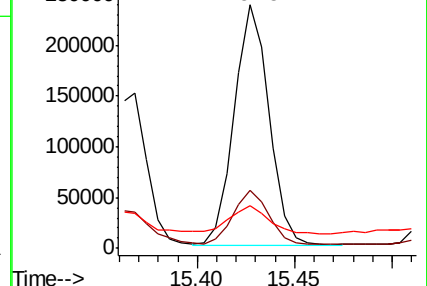
125 17.3 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.041 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF112156.D

Acq: 21 Jan 2019 14:05

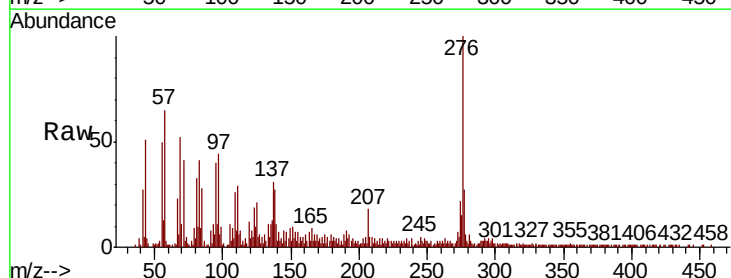
Tgt Ion:276 Resp: 122067

Ion Ratio Lower Upper

276 100

277 27.0 19.4 29.0

138 26.8 19.1 28.7



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

