

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\  
 Data File : BF118327.D  
 Acq On : 26 Dec 2019 20:15  
 Operator : JU  
 Sample : K6395-02 2X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 03:26:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 15:58:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 123830   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 491658   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 257187   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 425105   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 303185   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.54 | 264  | 320623   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.46  | 112  | 373110   | 51.43 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 476216   | 52.92 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 279938   | 32.57 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 133987   | 42.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 579142   | 34.37 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.98 | 244  | 545875   | 29.87 | ng    | 0.00     |

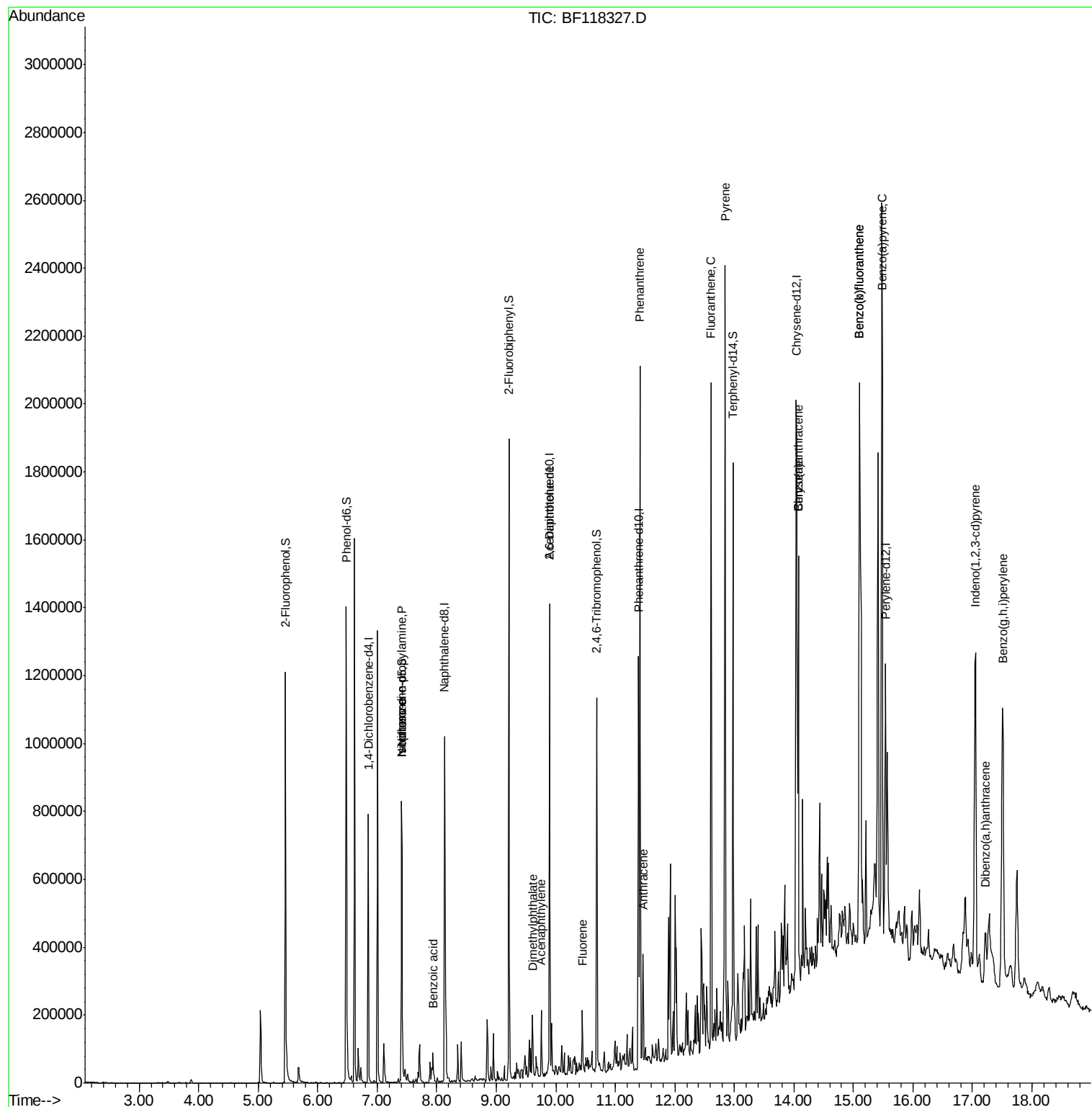
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 37397    | 6.746  | ng    | # 75   |
| 25) Isophorone                 | 7.41  | 82   | 279935   | 18.686 | ng    | # 62   |
| 32) Benzoic acid               | 7.93  | 122  | 110      | 5.695  | ng    | # 1    |
| 49) Acenaphthylene             | 9.76  | 152  | 62120    | 2.558  | ng    | 97     |
| 50) Dimethylphthalate          | 9.61  | 163  | 65494    | 3.393  | ng    | 98     |
| 51) 2,6-Dinitrotoluene         | 9.90  | 165  | 34244    | 8.228  | ng    | # 28   |
| 58) Fluorene                   | 10.45 | 166  | 45048    | 2.554  | ng    | 95     |
| 71) Phenanthrene               | 11.42 | 178  | 676103   | 29.174 | ng    | 99     |
| 72) Anthracene                 | 11.47 | 178  | 128888   | 5.556  | ng    | 97     |
| 75) Fluoranthene               | 12.61 | 202  | 747199   | 31.948 | ng    | 97     |
| 78) Pyrene                     | 12.84 | 202  | 888407   | 35.883 | ng    | 99     |
| 81) Benzo(a)anthracene         | 14.07 | 228  | 535191   | 25.219 | ng    | 97     |
| 83) Chrysene                   | 14.07 | 228  | 535191   | 26.337 | ng    | 98     |
| 86) Indeno(1,2,3-cd)pyrene     | 17.05 | 276  | 645777   | 37.297 | ng    | 95     |
| 88) Benzo(b)fluoranthene       | 15.10 | 252  | 1340646  | 62.992 | ng    | 98     |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 1340646  | 65.604 | ng    | 99     |
| 90) Benzo(a)pyrene             | 15.48 | 252  | 1008023  | 53.765 | ng    | 98     |
| 91) Dibenzo(a,h)anthracene     | 17.22 | 278  | 92067    | 5.659  | ng    | 94     |
| 92) Benzo(a,h,i)perylene       | 17.51 | 276  | 746901   | 47.524 | ng    | 99     |

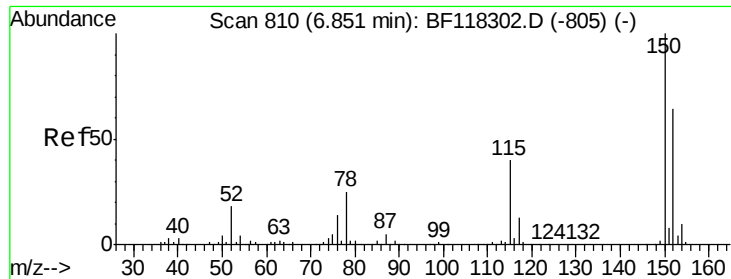
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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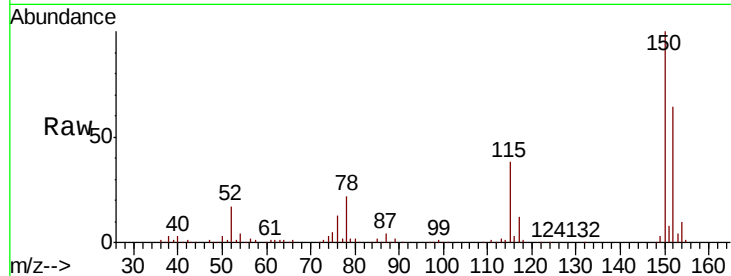


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 125.4 | 188.2 |
| 115     | 58.4  | 50.2  | 75.4  |

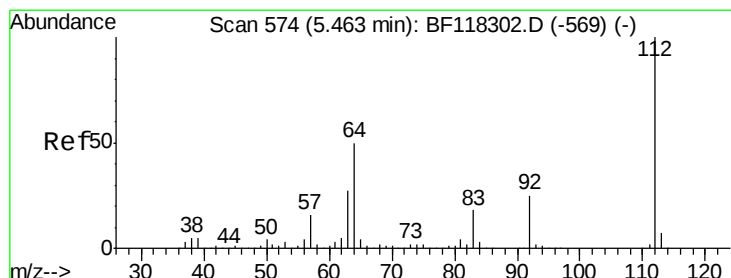
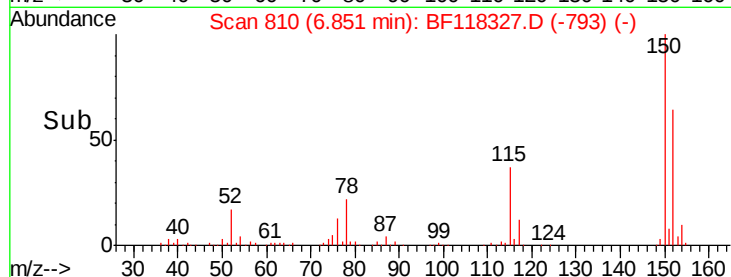
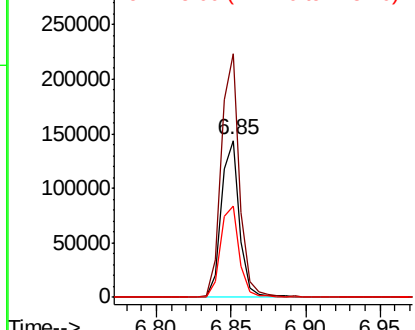


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

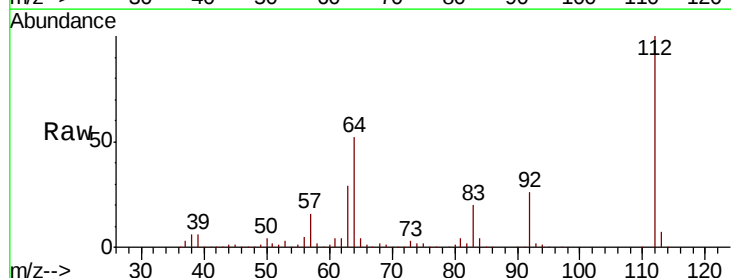
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 51.433 ng  
RT: 5.46 min Scan# 573  
Delta R.T. -0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.3  | 39.7  | 59.5  |
| 63      | 28.6  | 21.7  | 32.5  |

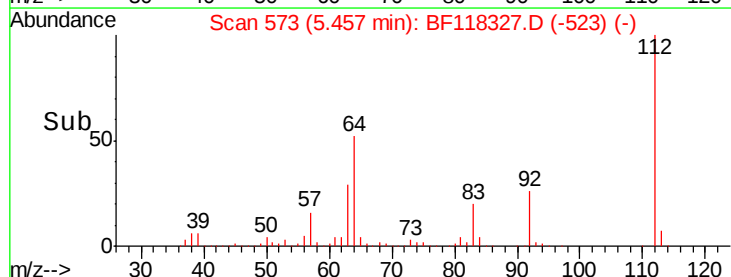
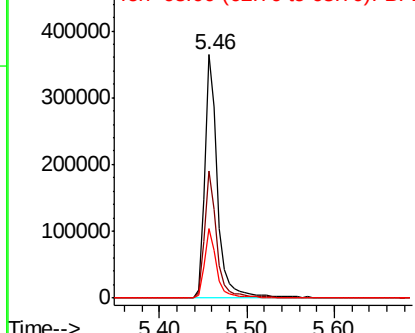


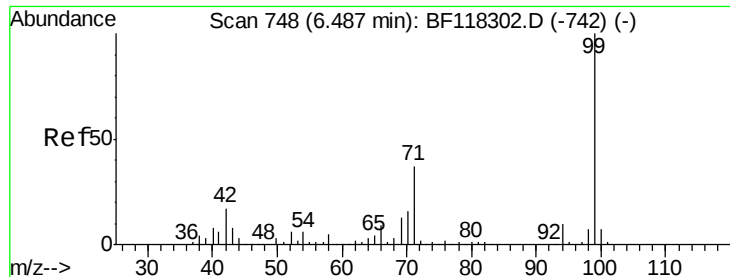
Abundance

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: 52.918 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA\_F

ClientSampleId :

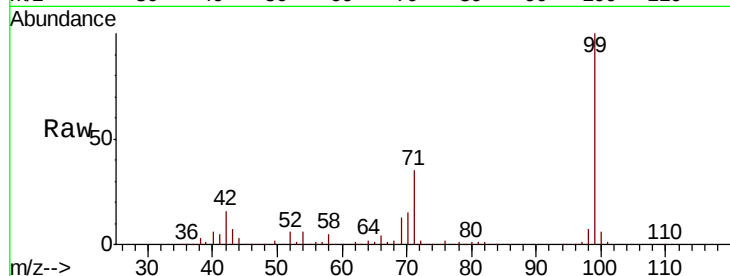
Tot Ion: 99 Resp: 476216

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

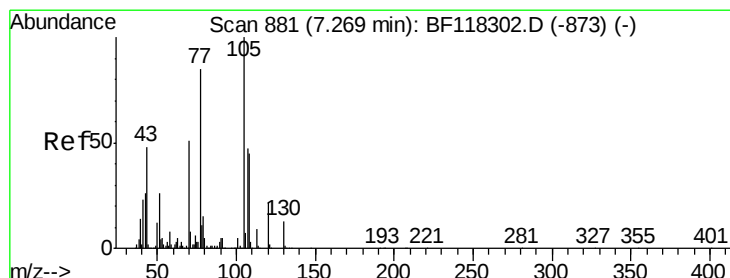
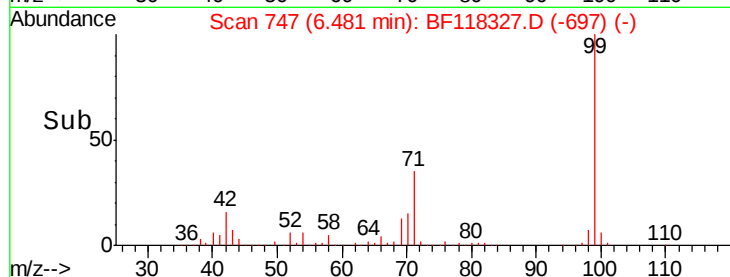
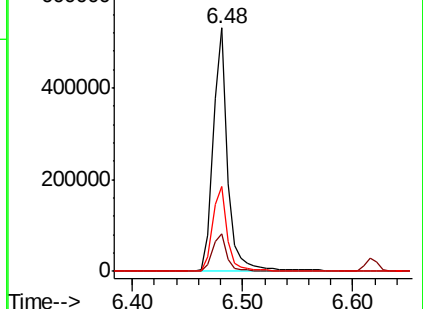
71 35.1 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.746 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Tgt Ion: 70 Resp: 37397

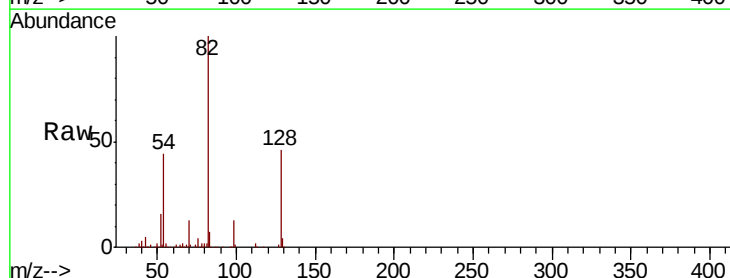
Ion Ratio Lower Upper

70 100

42 40.6 41.1 61.7#

101 0.0 8.3 12.5#

130 2.5 20.1 30.1#

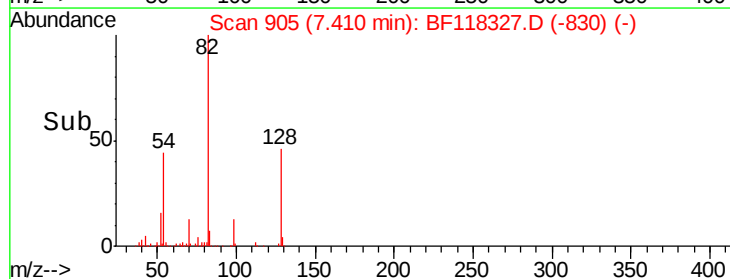
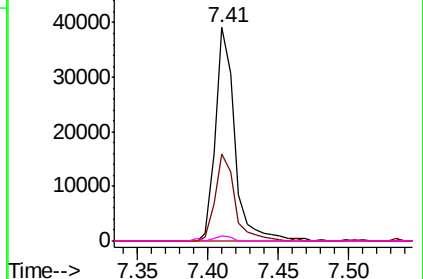


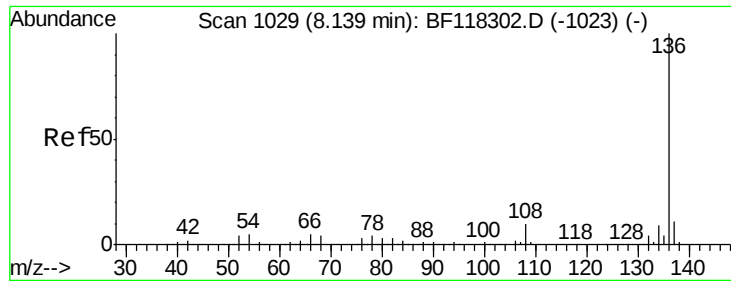
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

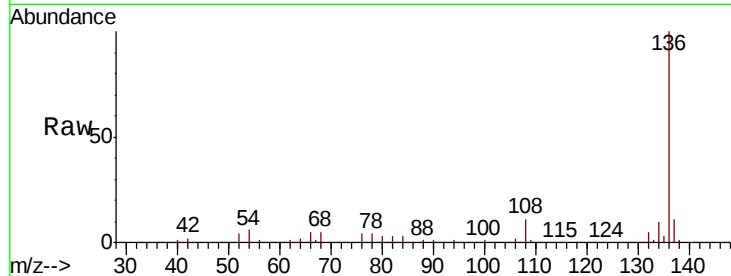




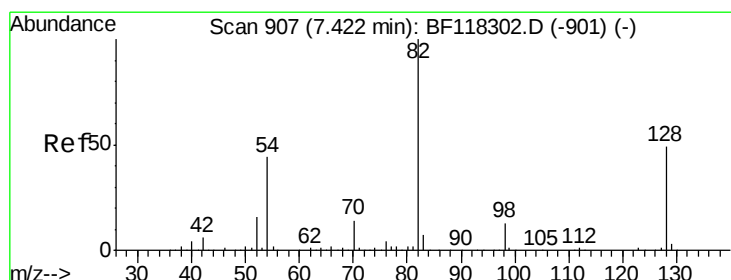
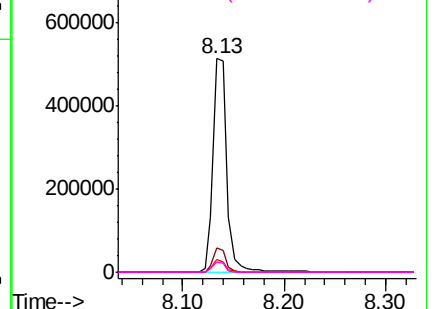
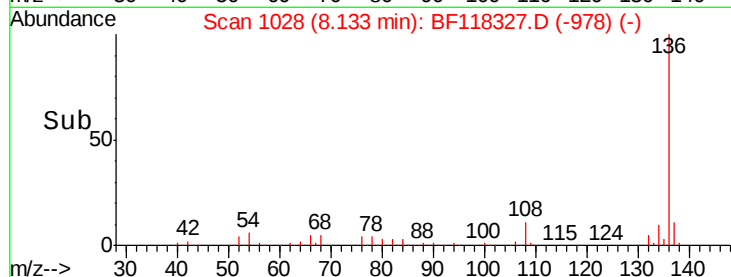
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 491658   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.9 13.3 |
| 54          | 5.9   | 4.2 6.4  |
| 68          | 5.1   | 3.5 5.3  |

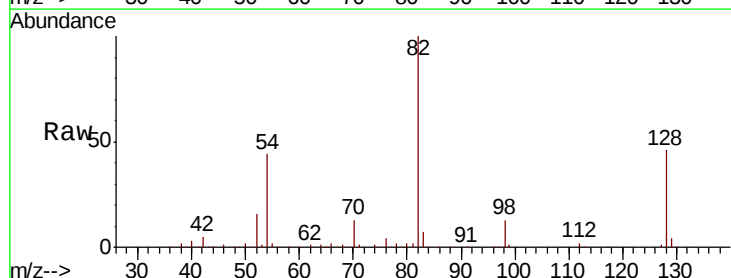


Abundance Ion 136.00 (135.70 to 136.70): E  
800000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

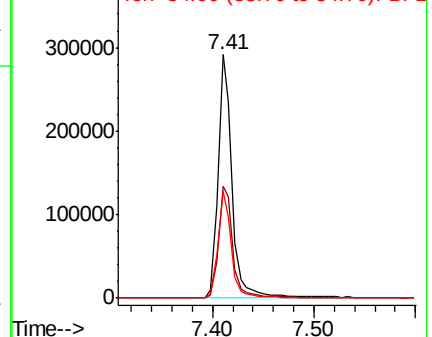
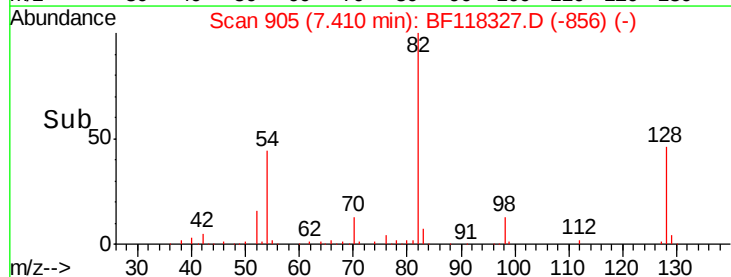


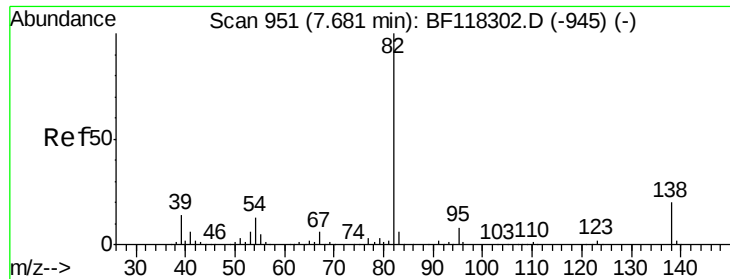
#23  
Nitrobenzene-d5  
Concen: 32.565 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 279938    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 45.7  | 39.6 59.4 |
| 54          | 43.7  | 34.9 52.3 |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
400000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.686 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA\_F

ClientSampleId :

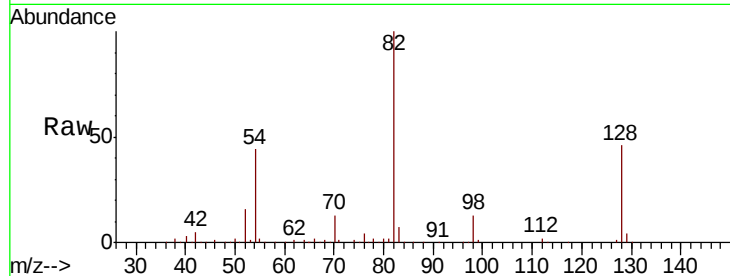
Tot Ion: 82 Resp: 279935

Ion Ratio Lower Upper

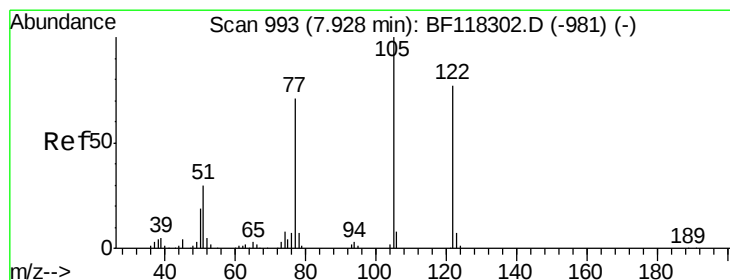
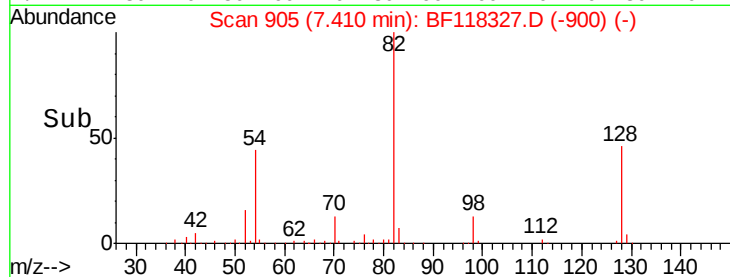
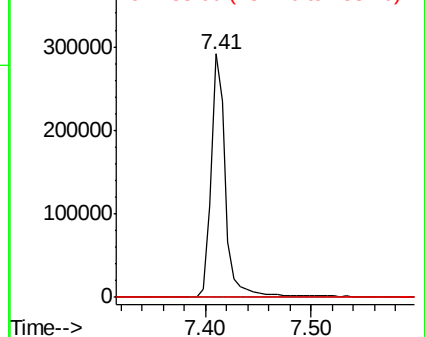
82 100

95 0.0 6.3 9.5#

138 0.0 16.2 24.2#



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



#32

Benzoic acid

Concen: 5.695 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

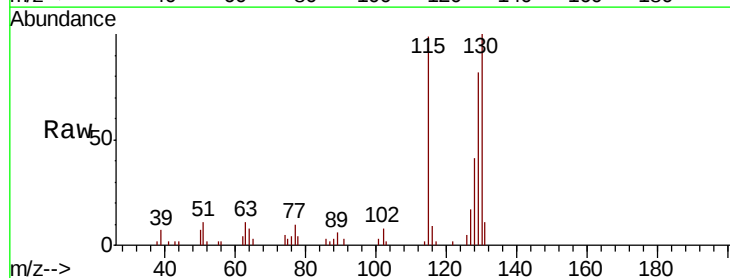
Tgt Ion:122 Resp: 110

Ion Ratio Lower Upper

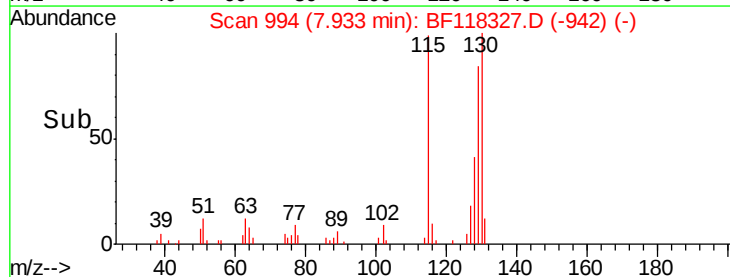
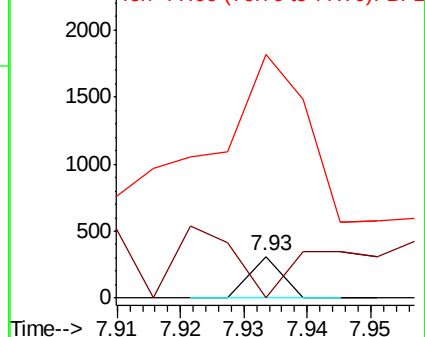
122 100

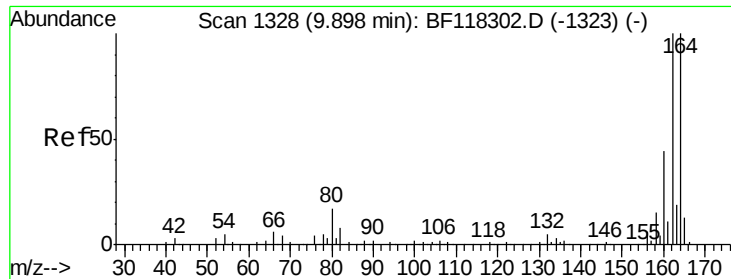
105 0.0 106.8 146.8#

77 582.1 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA\_F

ClientSampleId :

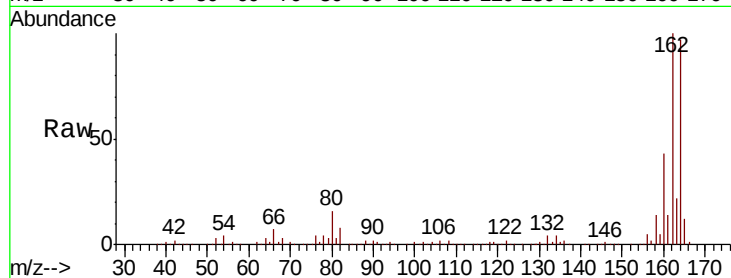
Tot Ion:164 Resp: 257187

Ion Ratio Lower Upper

164 100

162 103.1 80.0 120.0

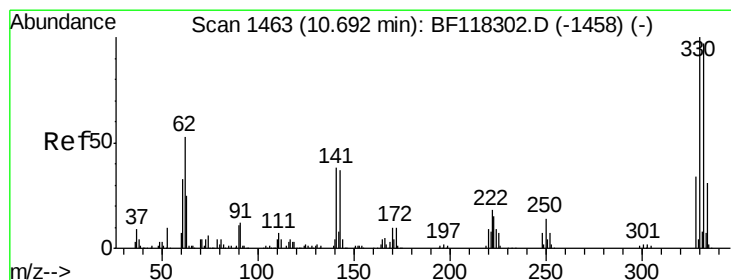
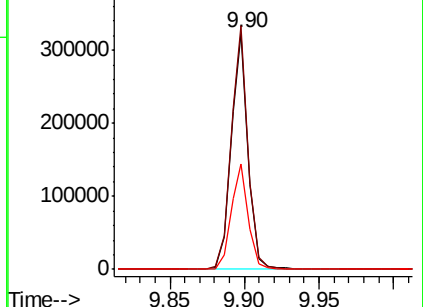
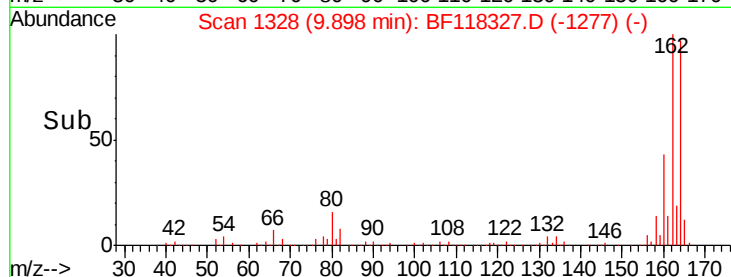
160 44.7 34.8 52.2



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: 42.186 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

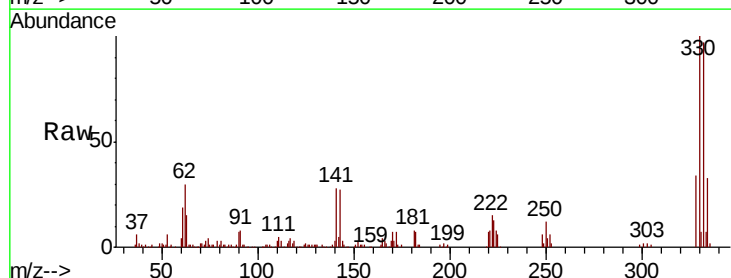
Tgt Ion:330 Resp: 133987

Ion Ratio Lower Upper

330 100

332 98.6 76.6 114.8

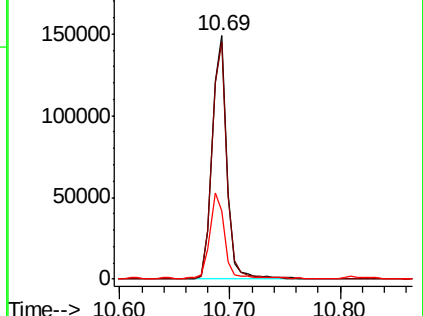
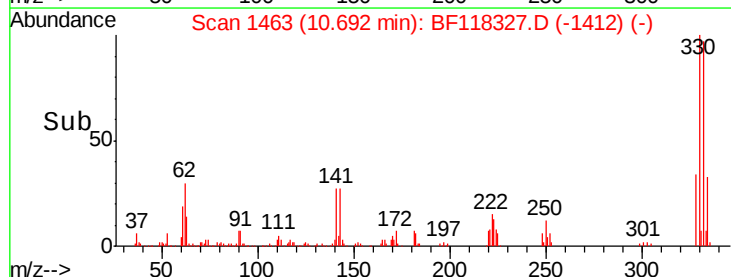
141 34.1 26.0 39.0

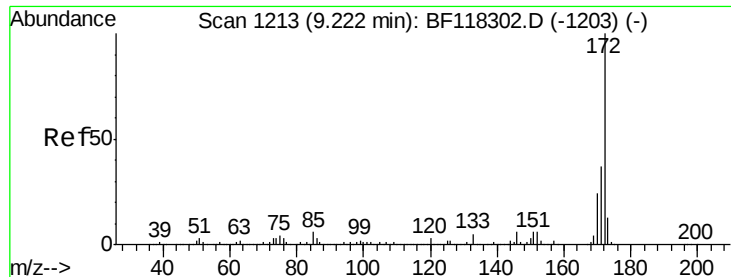


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

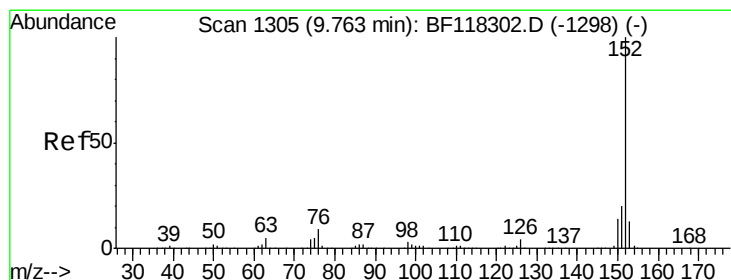
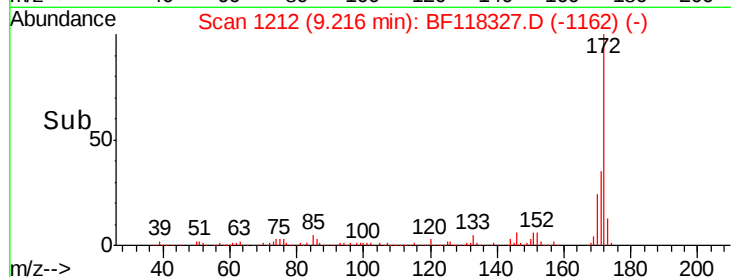
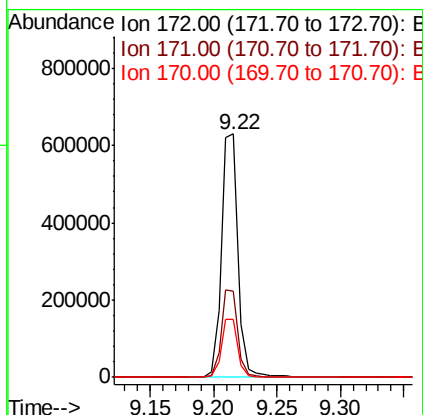
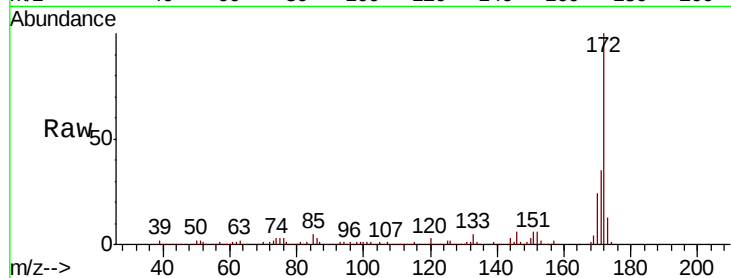




#45  
2-Fluorobiphenyl  
Concen: 34.374 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

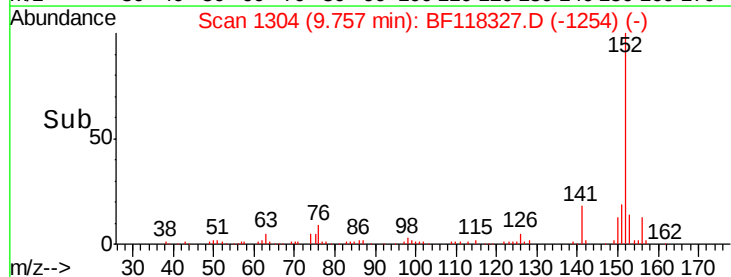
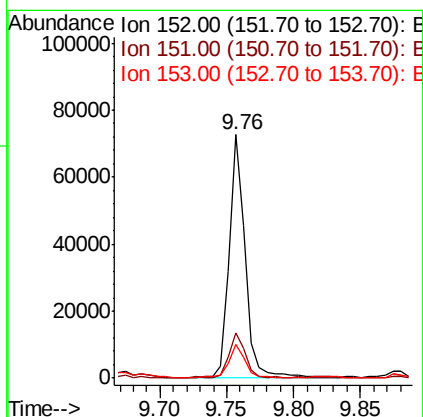
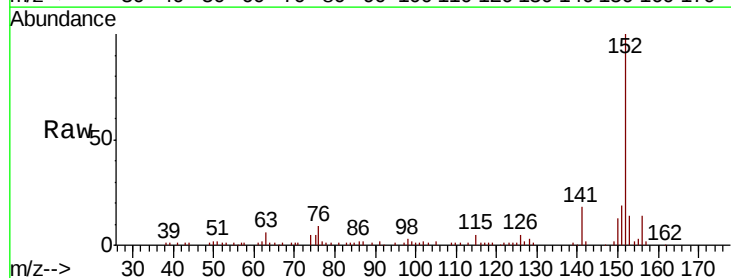
Instrument :  
BNA\_F  
ClientSampleId :

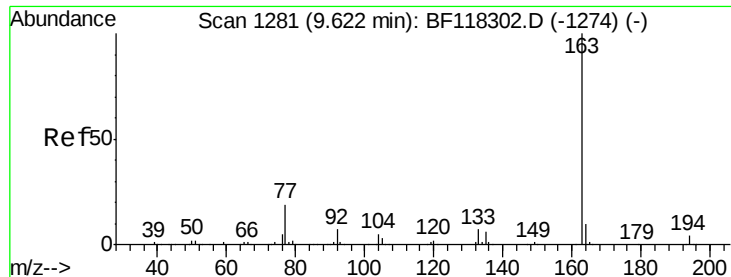
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.3  | 43.9  |
| 170     | 24.0  | 19.2  | 28.8  |



#49  
Acenaphthylene  
Concen: 2.558 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.6  | 16.2  | 24.2  |
| 153     | 13.8  | 10.5  | 15.7  |





#50

Dimethylphthalate

Concen: 3.393 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA\_F

ClientSampled :

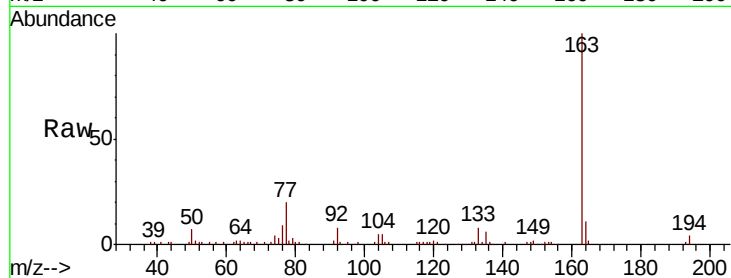
Tot Ion:163 Resp: 65494

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

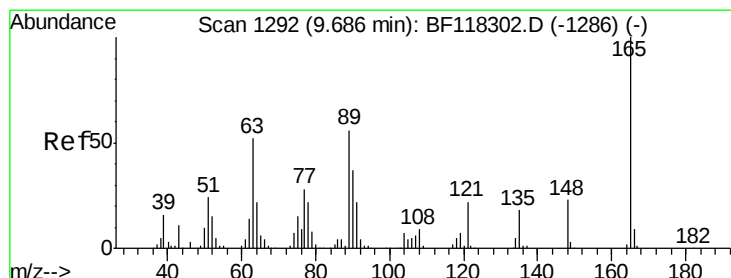
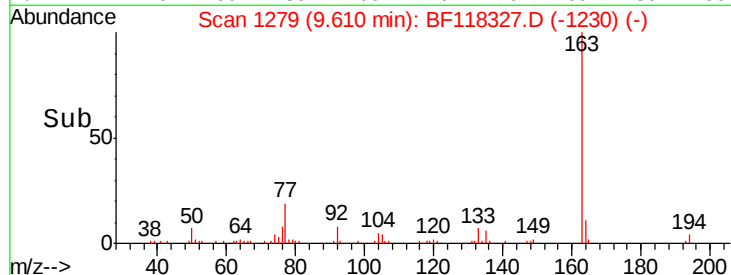
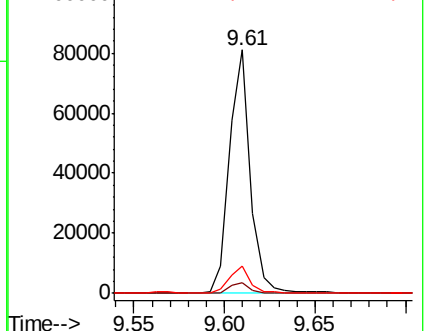
164 11.0 7.9 11.9



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: 8.228 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

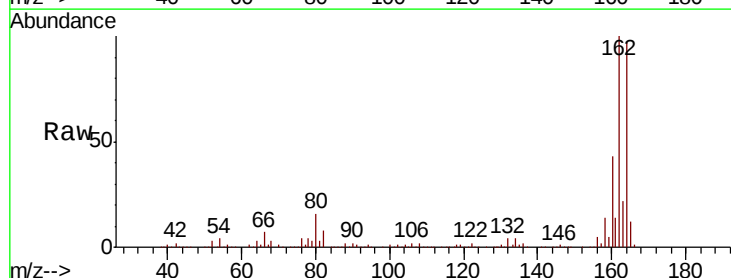
Tgt Ion:165 Resp: 34244

Ion Ratio Lower Upper

165 100

63 3.1 42.2 63.4#

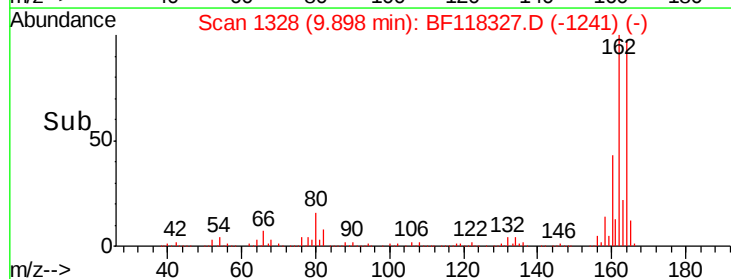
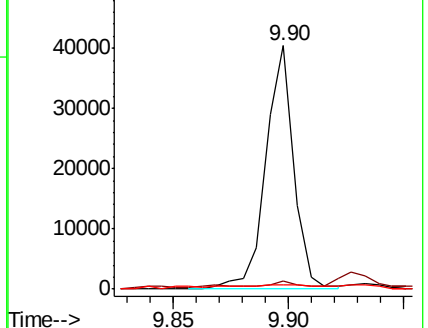
89 2.0 44.4 66.6#

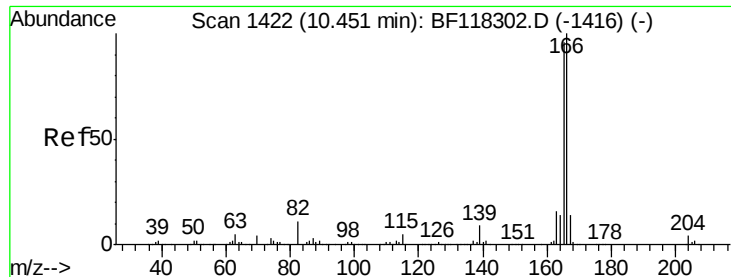


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

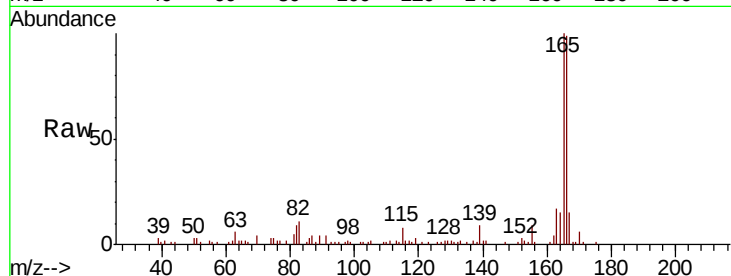




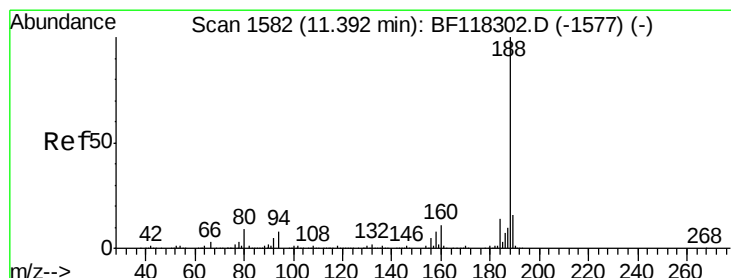
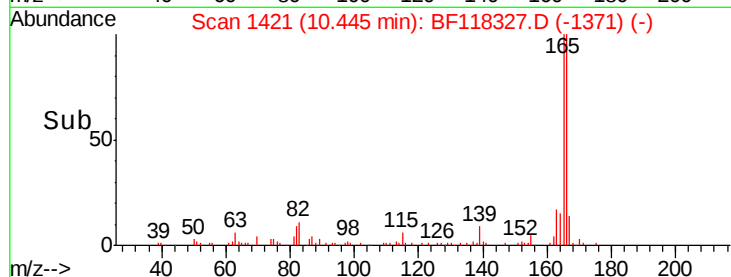
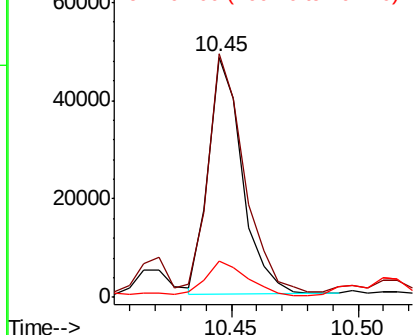
#58  
 Fluorene  
 Concen: 2.554 ng  
 RT: 10.45 min Scan# 1421  
 Delta R.T. -0.01 min  
 Lab File: BF118327.D  
 Acq: 26 Dec 2019 20:15

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:166 Resp: 45048  
 Ion Ratio Lower Upper  
 166 100  
 165 101.3 77.0 115.4  
 167 14.9 10.9 16.3

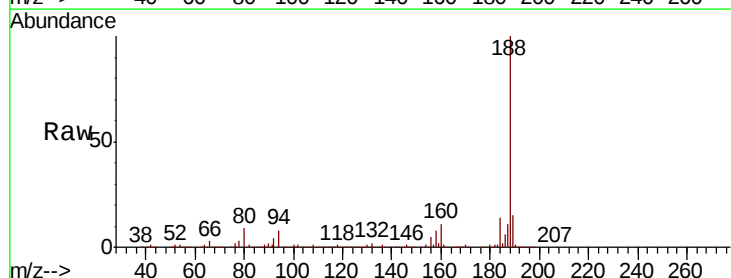


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

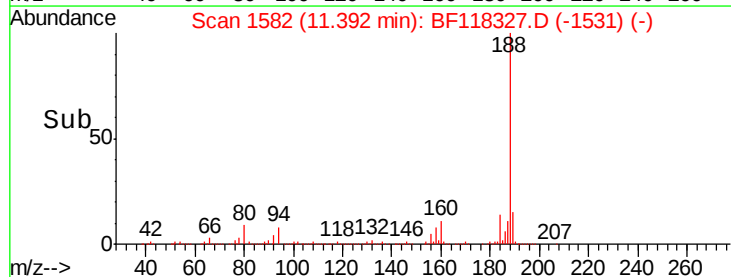
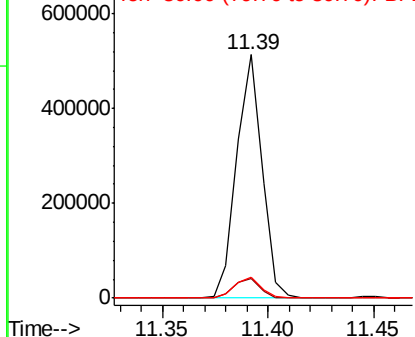


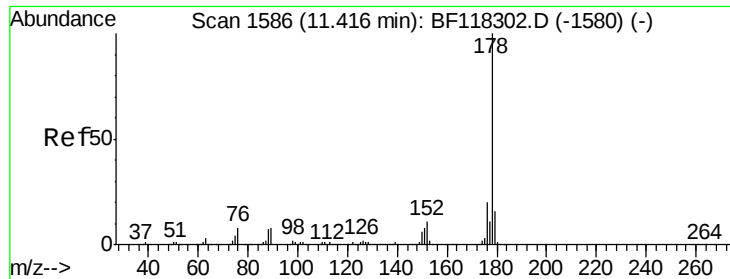
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. -0.00 min  
 Lab File: BF118327.D  
 Acq: 26 Dec 2019 20:15

Tgt Ion:188 Resp: 425105  
 Ion Ratio Lower Upper  
 188 100  
 94 8.2 6.7 10.1  
 80 8.6 7.2 10.8



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

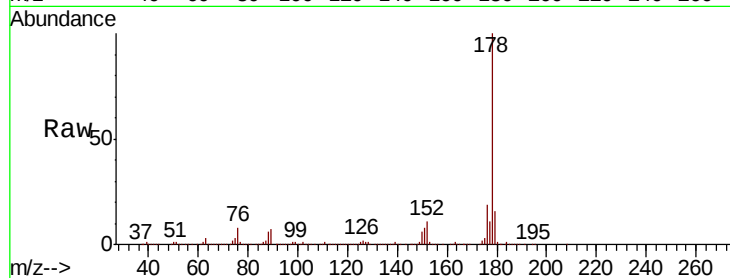




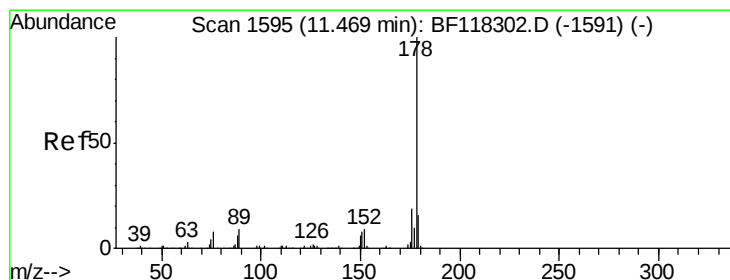
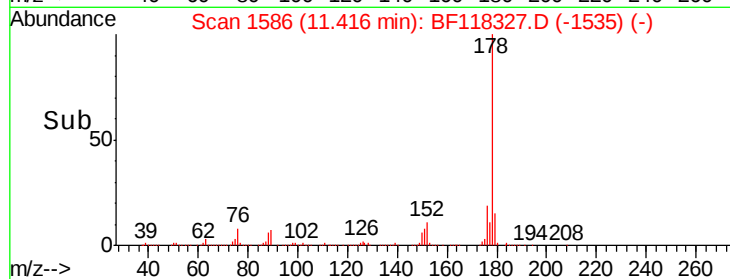
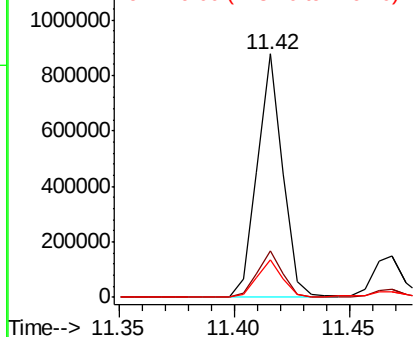
#71  
Phenanthrene  
Concen: 29.174 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:178 Resp: 676103  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.6 23.4  
179 15.6 12.6 19.0

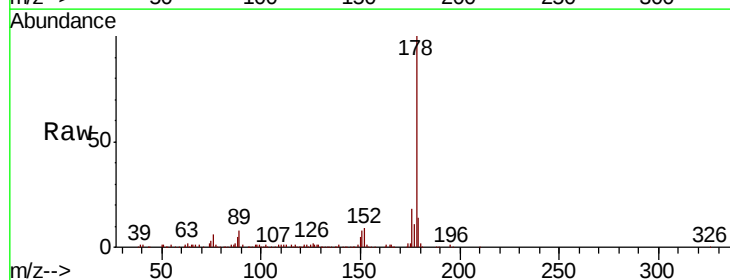


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

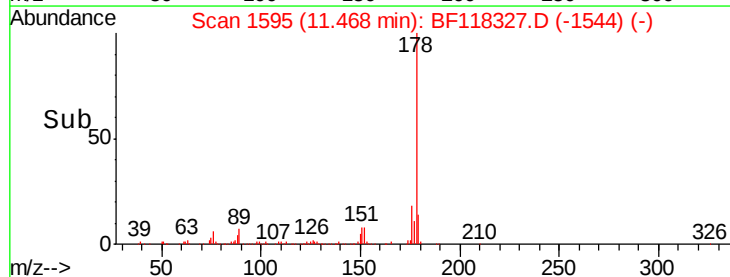
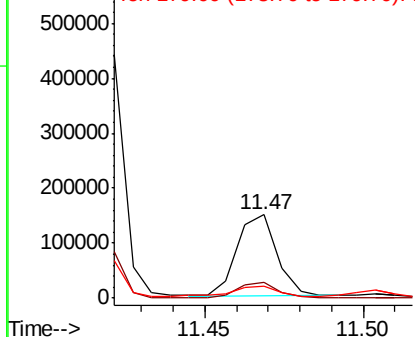


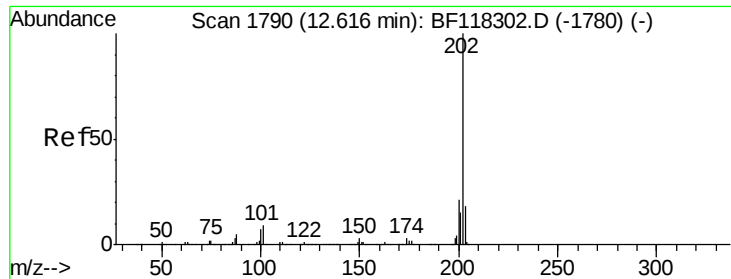
#72  
Anthracene  
Concen: 5.556 ng  
RT: 11.47 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Tgt Ion:178 Resp: 128888  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.2 22.8  
179 14.4 12.9 19.3



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





#75

Fluoranthene

Concen: 31.948 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Instrument :

BNA\_F

ClientSampled :

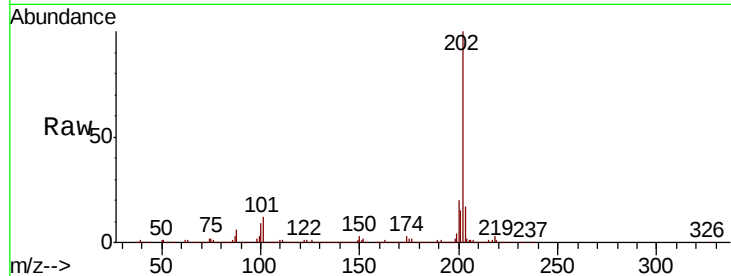
Tot Ion:202 Resp: 747199

Ion Ratio Lower Upper

202 100

101 12.0 0.0 29.5

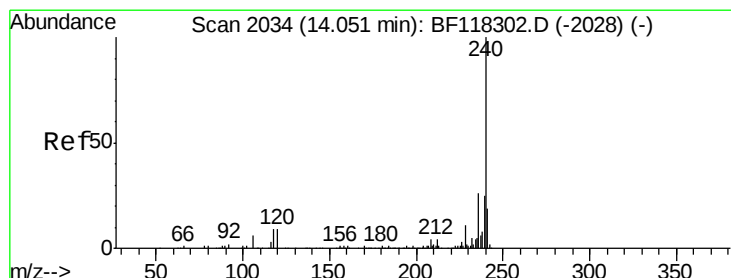
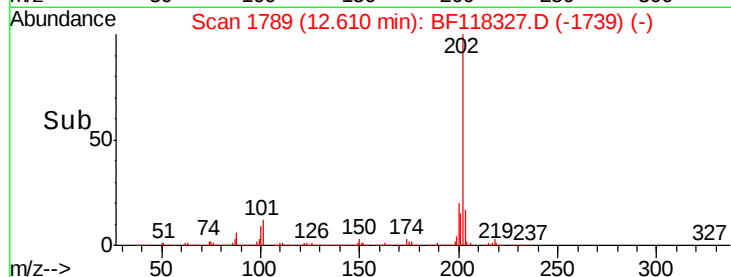
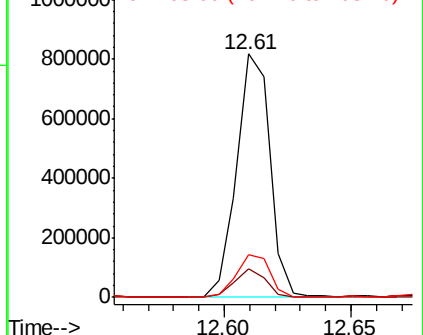
203 17.3 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

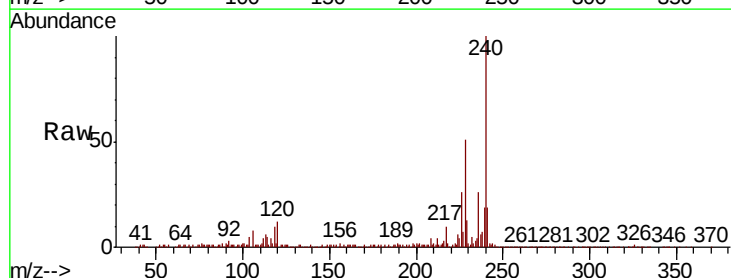
Tgt Ion:240 Resp: 303185

Ion Ratio Lower Upper

240 100

120 11.8 7.1 10.7#

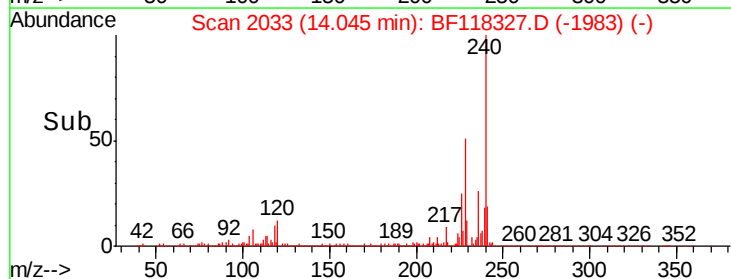
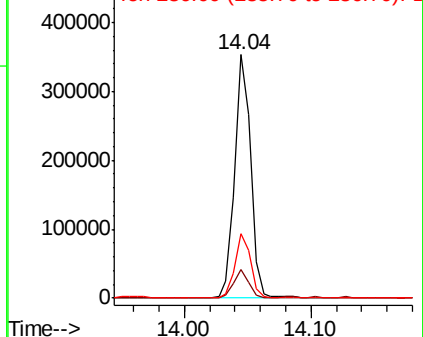
236 26.3 21.0 31.6

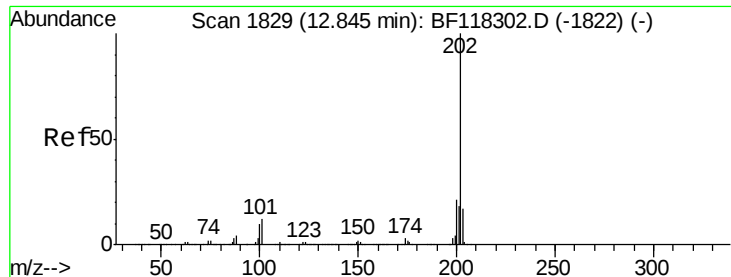


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 35.883 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

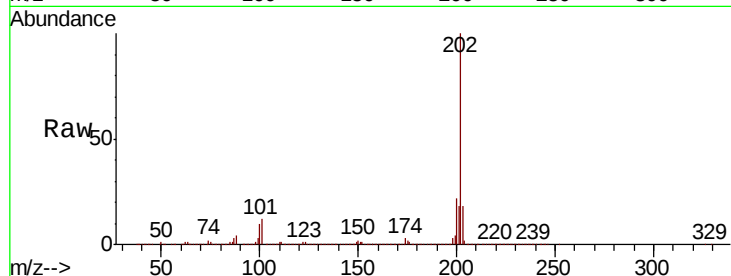
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:202 Resp: 888407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.5  | 16.8  | 25.2  |
| 203 | 17.7  | 13.9  | 20.9  |

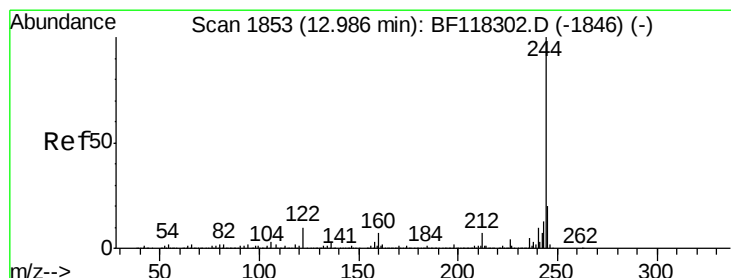
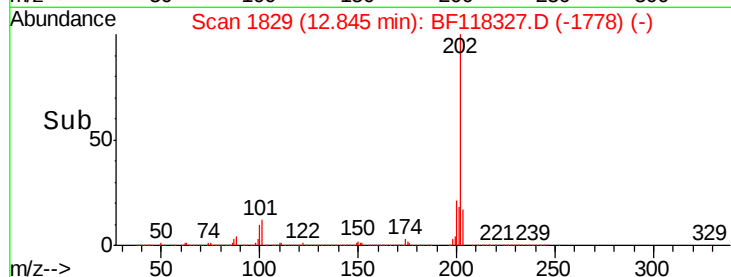
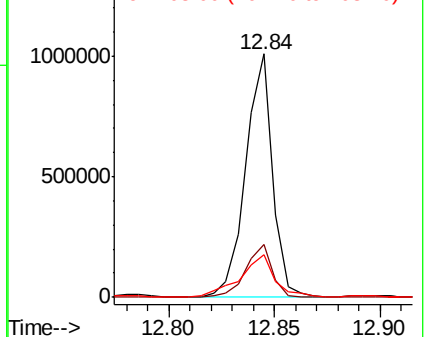


Abundance

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: 29.870 ng

RT: 12.98 min Scan# 1852

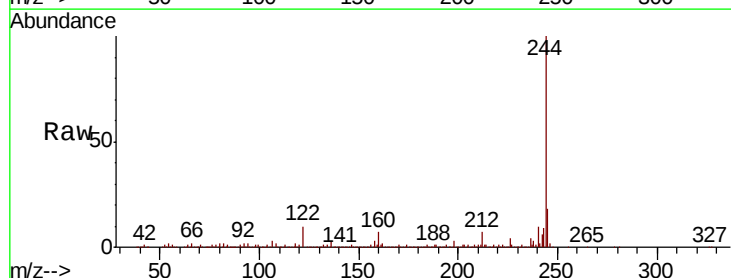
Delta R.T. -0.01 min

Lab File: BF118327.D

Acq: 26 Dec 2019 20:15

Tgt Ion:244 Resp: 545875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.6   | 5.4   | 8.2   |
| 122 | 10.1  | 7.8   | 11.8  |

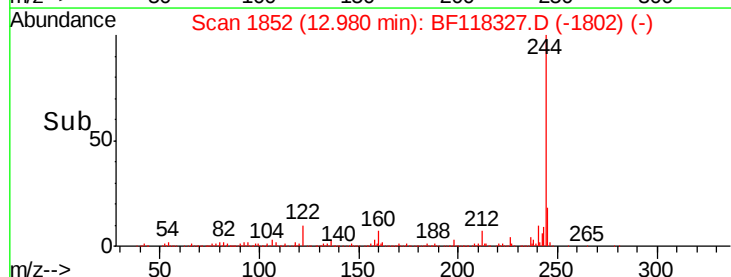
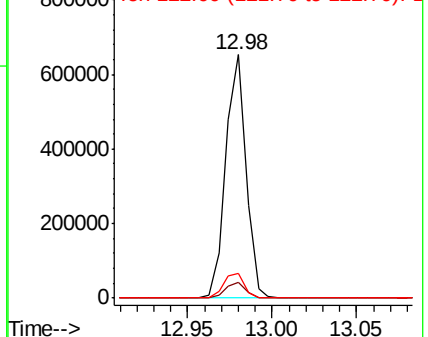


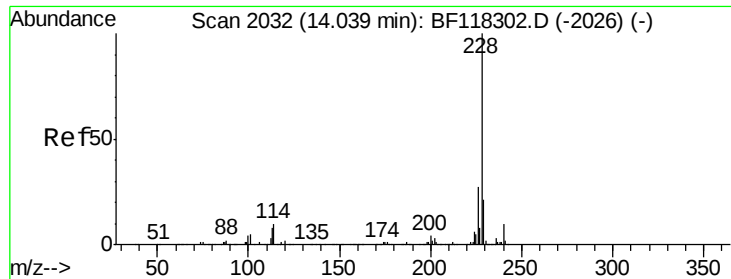
Abundance

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

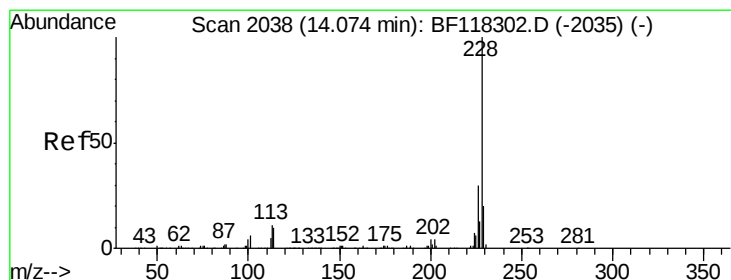
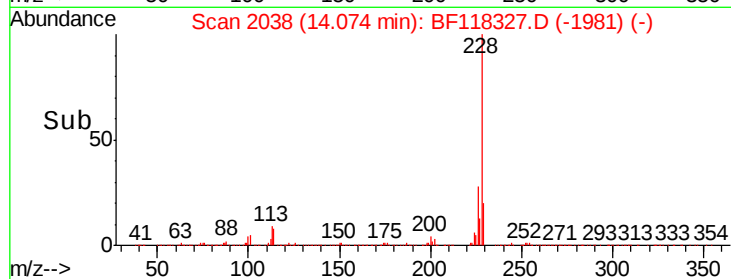
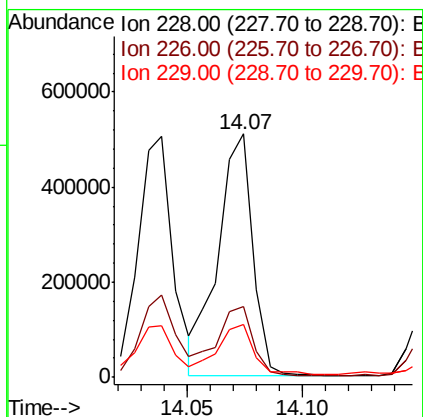
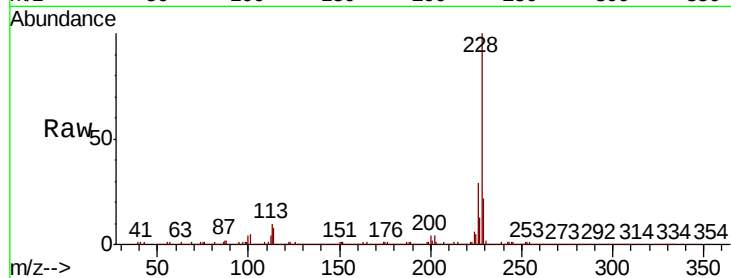




#81  
Benzo(a)anthracene  
Concen: 25.219 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. 0.04 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

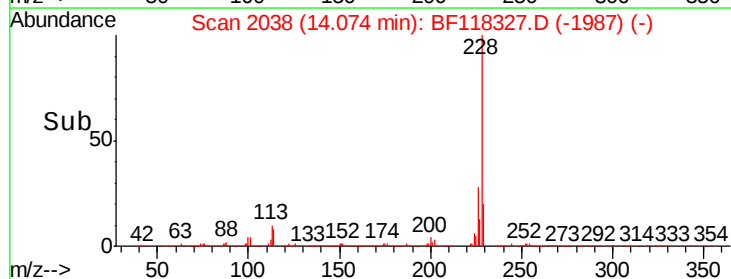
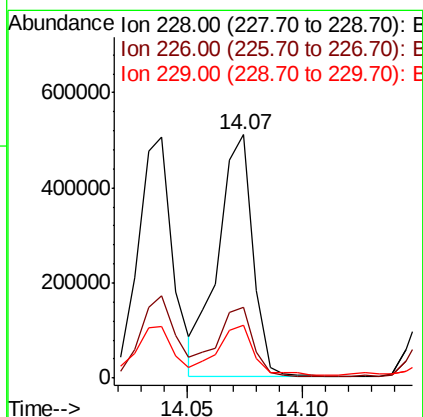
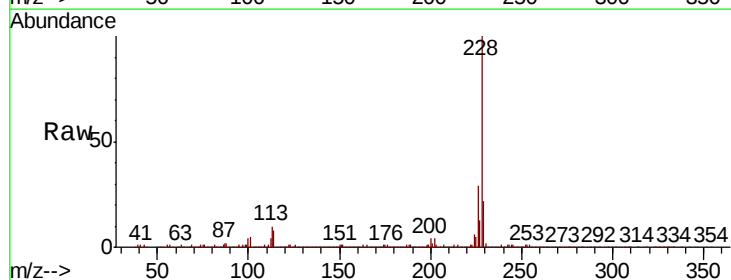
Instrument :  
BNA\_F  
ClientSampleId :

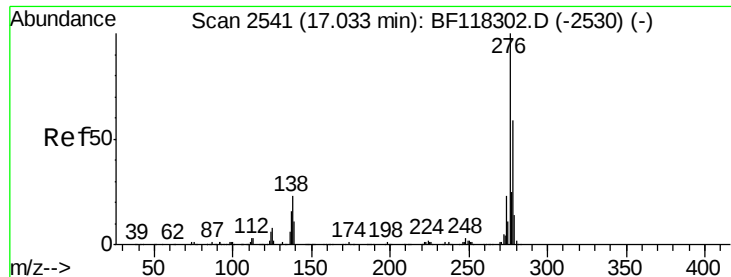
Tot Ion:228 Resp: 535191  
Ion Ratio Lower Upper  
228 100  
226 29.3 22.0 33.0  
229 21.6 16.6 24.8



#83  
Chrysene  
Concen: 26.337 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. -0.00 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Tgt Ion:228 Resp: 535191  
Ion Ratio Lower Upper  
228 100  
226 29.3 23.9 35.9  
229 21.6 16.1 24.1

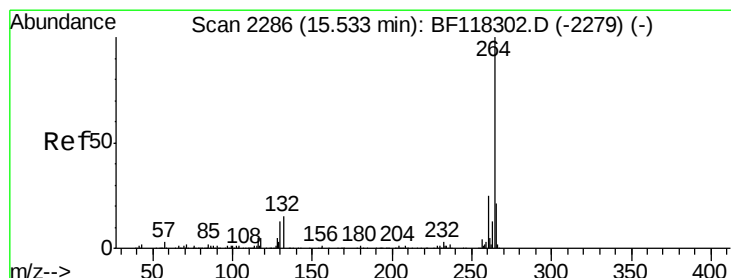
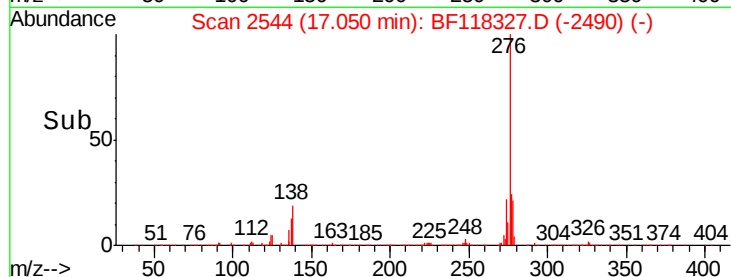
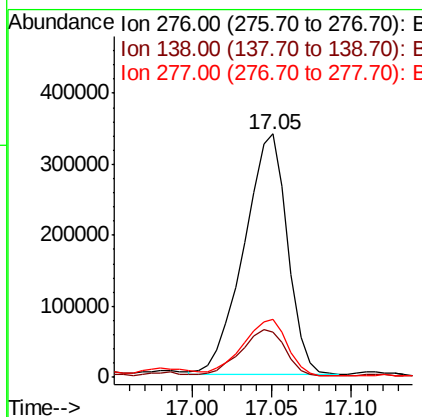
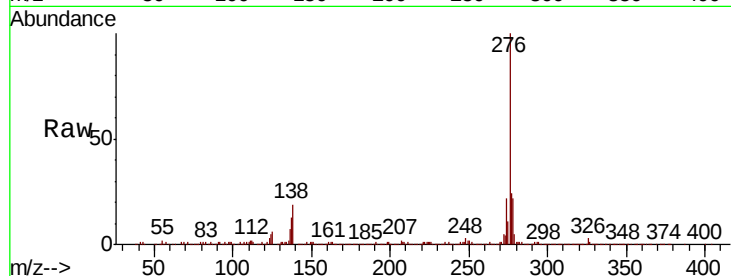




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.297 ng  
 RT: 17.05 min Scan# 2544  
 Delta R.T. 0.02 min  
 Lab File: BF118327.D  
 Acq: 26 Dec 2019 20:15

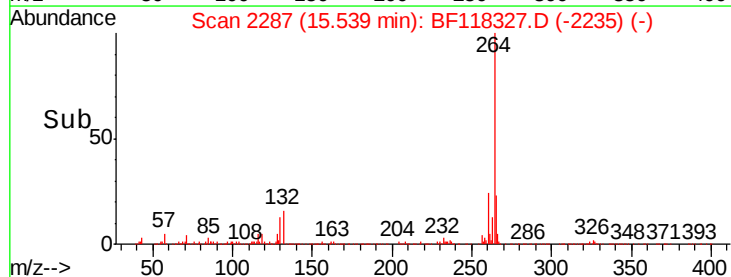
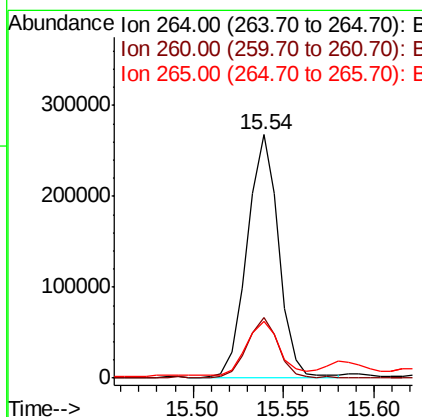
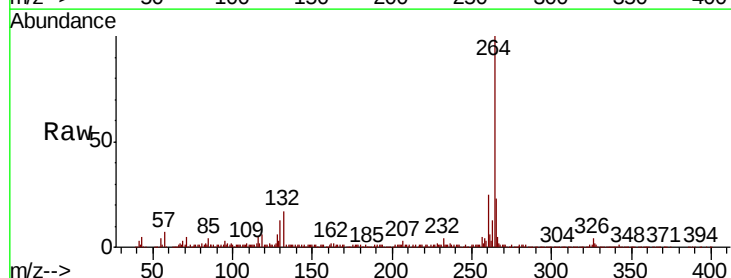
Instrument :  
 BNA\_F  
 ClientSampleId :

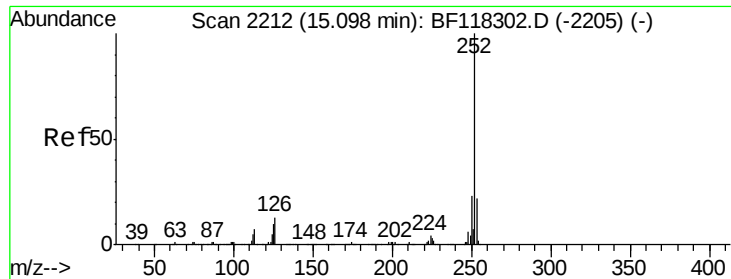
Tot Ion:276 Resp: 645777  
 Ion Ratio Lower Upper  
 276 100  
 138 20.2 19.5 29.3  
 277 24.4 20.6 30.8



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2287  
 Delta R.T. 0.01 min  
 Lab File: BF118327.D  
 Acq: 26 Dec 2019 20:15

Tgt Ion:264 Resp: 320623  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.8 29.6  
 265 23.4 17.0 25.4

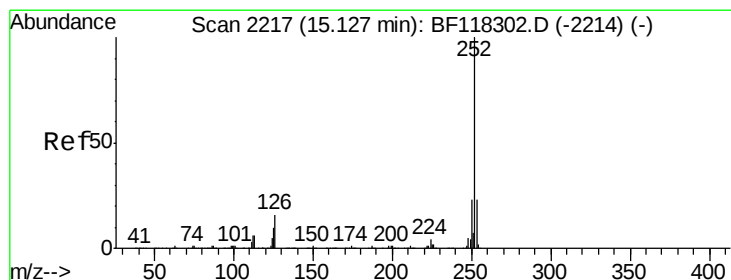
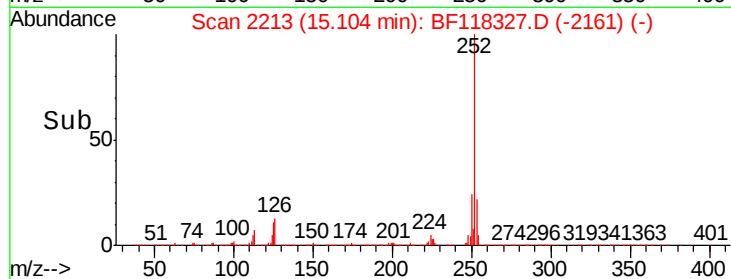
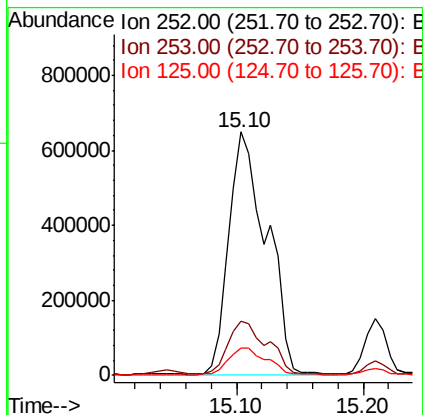
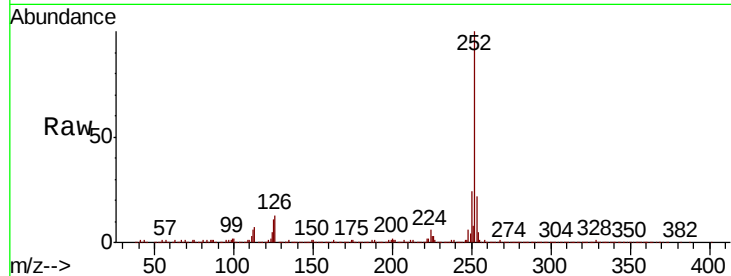




#88  
Benzo(b)fluoranthene  
Concen: 62.992 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. 0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

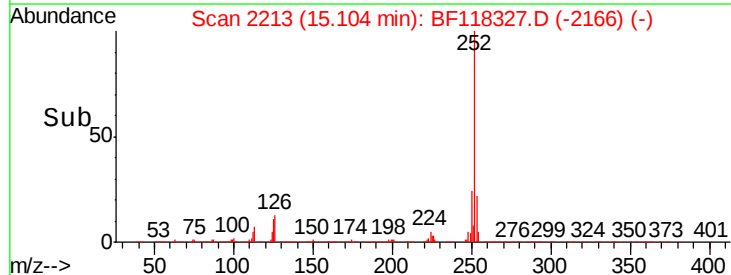
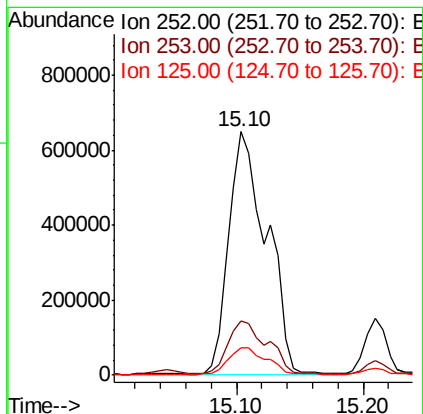
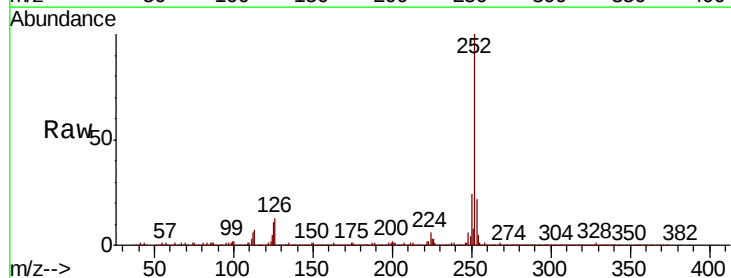
Instrument :  
BNA\_F  
ClientSampleId :

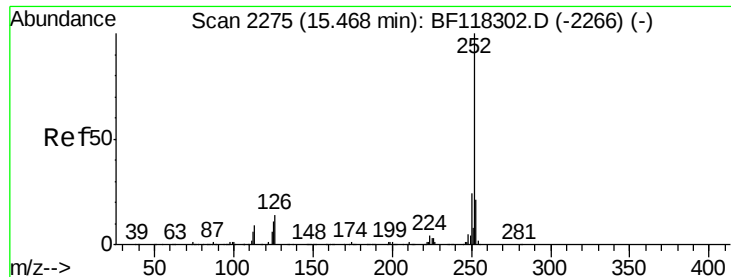
Tot Ion:252 Resp: 1340646  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.5 26.3  
125 11.2 7.7 11.5



#89  
Benzo(k)fluoranthene  
Concen: 65.604 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. -0.02 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Tgt Ion:252 Resp: 1340646  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.0 27.0  
125 11.2 8.0 12.0

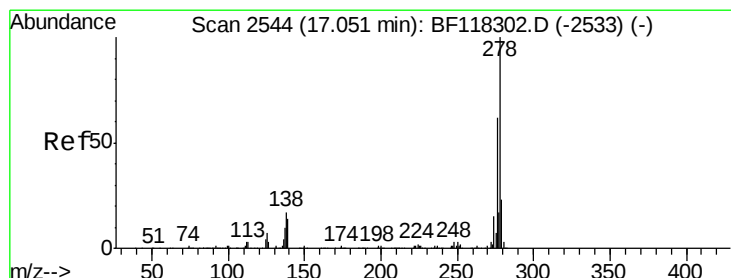
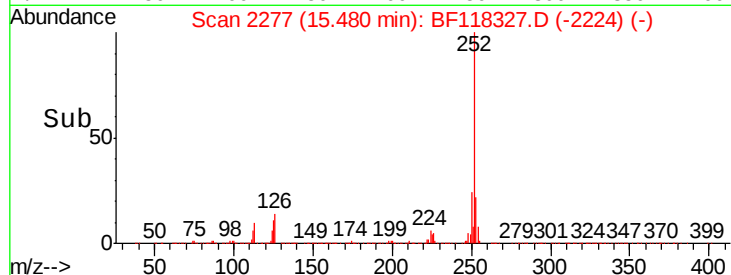
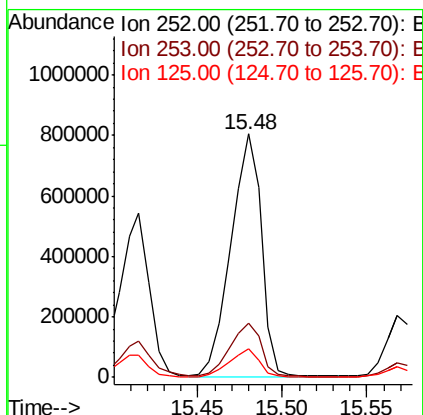
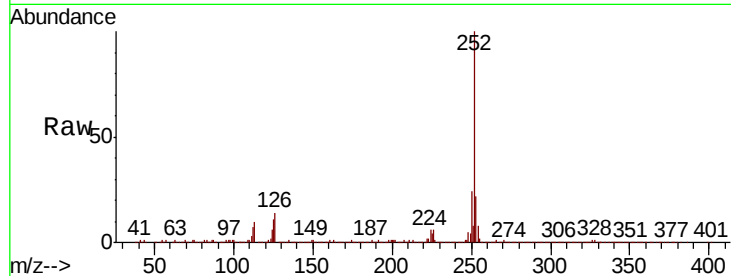




#90  
Benzo(a)pyrene  
Concen: 53.765 ng  
RT: 15.48 min Scan# 2277  
Delta R.T. 0.01 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

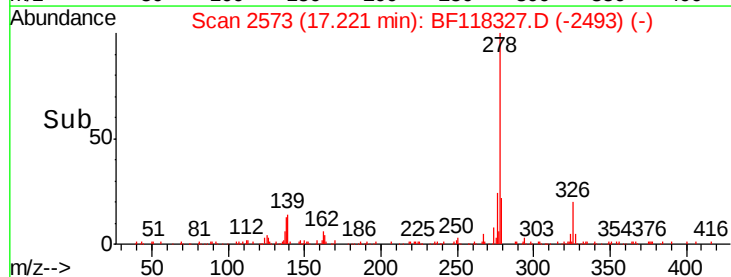
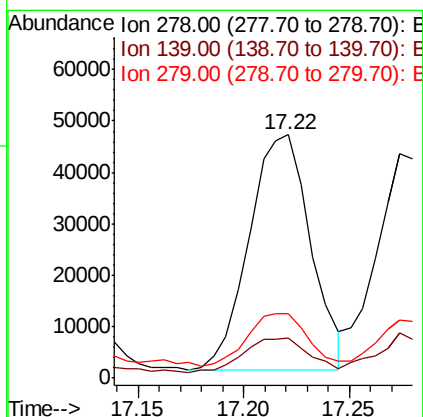
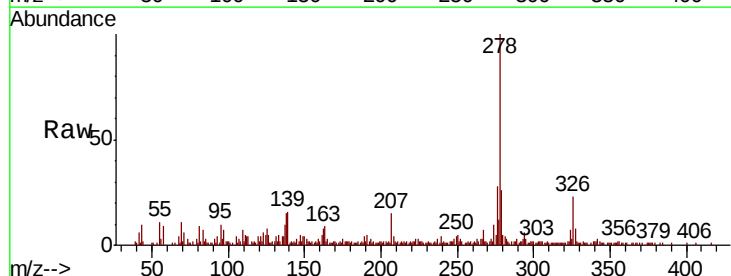
Instrument :  
BNA\_F  
ClientSampled :

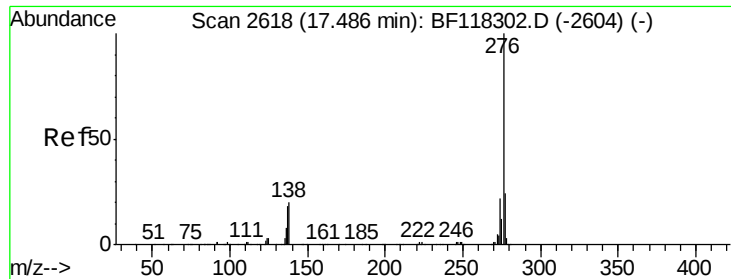
Tot Ion:252 Resp: 1008023  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.6  
125 11.5 9.0 13.4



#91  
Dibenzo(a,h)anthracene  
Concen: 5.659 ng  
RT: 17.22 min Scan# 2573  
Delta R.T. 0.17 min  
Lab File: BF118327.D  
Acq: 26 Dec 2019 20:15

Tgt Ion:278 Resp: 92067  
Ion Ratio Lower Upper  
278 100  
139 16.5 11.5 17.3  
279 26.2 18.3 27.5





#92  
 Benzo(a,h,i)perylene  
 Concen: 47.524 ng  
 RT: 17.51 min Scan# 2622  
 Delta R.T. 0.02 min  
 Lab File: BF118327.D  
 Acq: 26 Dec 2019 20:15

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 19.1  | 28.7  |
| 138     | 19.7  | 16.1  | 24.1  |

