

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\  
 Data File : BF098247.D  
 Acq On : 2 Sep 2017 15:52  
 Operator : SJ/JU  
 Sample : I5006-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 04 07:22:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 21 15:59:04 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.71  | 152  | 108042   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8        | 7.99  | 136  | 439661   | 20.00 | ng    | -0.04    |
| 38) Acenaphthene-d10      | 9.75  | 164  | 200122   | 20.00 | ng    | -0.04    |
| 63) Phenanthrene-d10      | 11.23 | 188  | 348784   | 20.00 | ng    | -0.04    |
| 75) Chrysene-d12          | 13.86 | 240  | 251342   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12          | 15.27 | 264  | 243929   | 20.00 | ng    | -0.04    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 874686  | 123.14 | ng | -0.03 |
| 7) Phenol-d6                | 6.36  | 99  | 1223068 | 126.73 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 7.27  | 82  | 757791  | 93.63  | ng | -0.05 |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330 | 223656  | 128.81 | ng | -0.04 |
| 44) 2-Fluorobiphenyl        | 9.07  | 172 | 1049851 | 77.08  | ng | -0.04 |
| 78) Terphenyl-d14           | 12.82 | 244 | 758608  | 62.94  | ng | -0.04 |

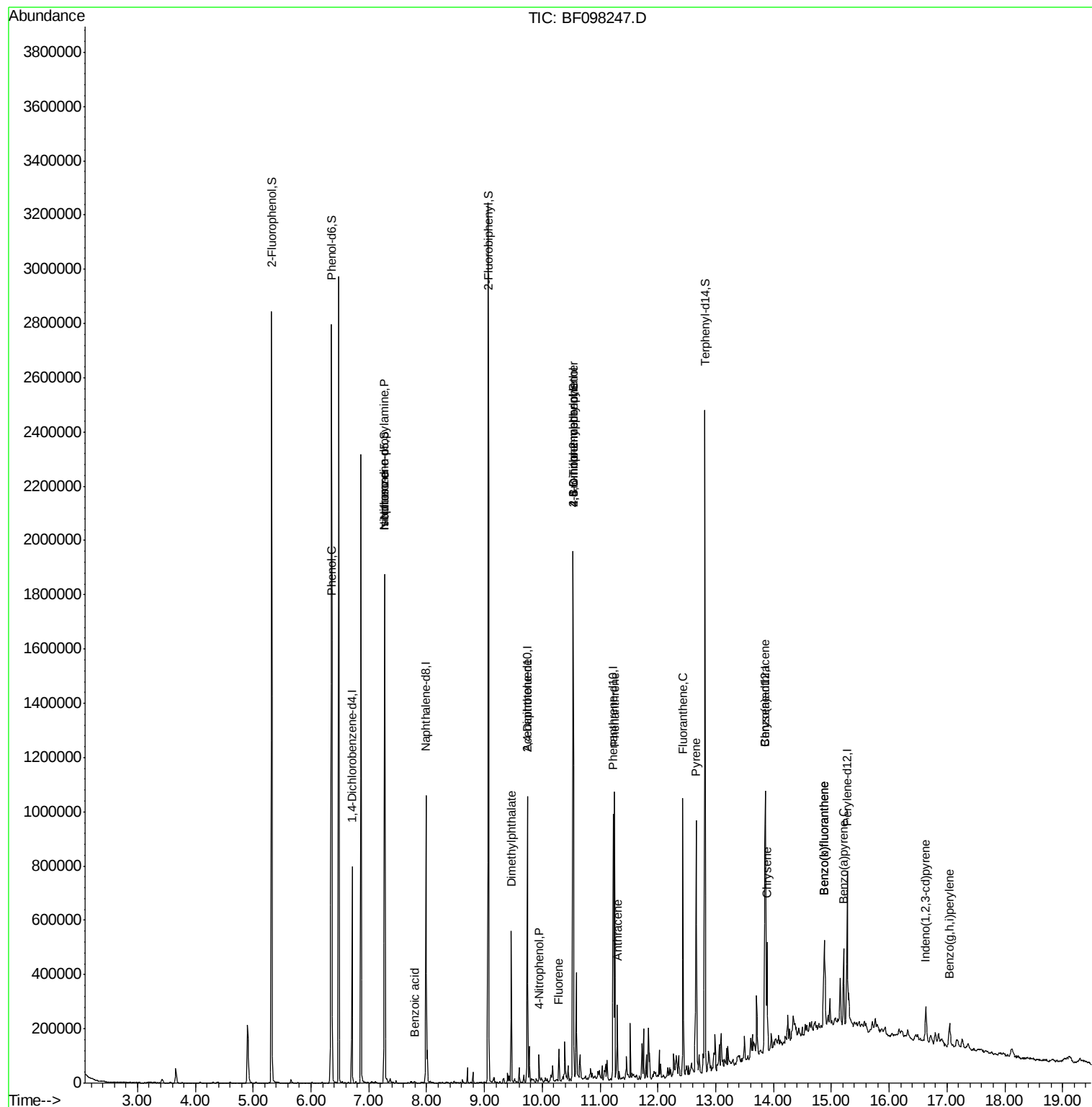
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 6.37  | 94  | 47380  | 4.198  | ng | 86   |
| 19) n-Nitroso-di-n-propylamine | 7.27  | 70  | 100039 | 15.142 | ng | # 71 |
| 25) Isophorone                 | 7.27  | 82  | 736533 | 43.766 | ng | # 67 |
| 32) Benzoic acid               | 7.79  | 122 | 330    | 6.460  | ng | # 1  |
| 49) Dimethylphthalate          | 9.46  | 163 | 197126 | 13.476 | ng | 99   |
| 55) 4-Nitrophenol              | 9.95  | 139 | 11244  | 3.741  | ng | # 28 |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165 | 26349  | 7.190  | ng | # 33 |
| 57) Fluorene                   | 10.29 | 166 | 29815  | 2.155  | ng | 93   |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 490    | 8.567  | ng | # 1  |
| 66) 4-Bromophenyl-phenylether  | 10.53 | 248 | 14061  | 3.882  | ng | # 1  |
| 70) Phenanthrene               | 11.25 | 178 | 344476 | 18.534 | ng | 99   |
| 71) Anthracene                 | 11.30 | 178 | 91300  | 4.843  | ng | 97   |
| 74) Fluoranthene               | 12.43 | 202 | 400161 | 20.628 | ng | 97   |
| 77) Pyrene                     | 12.66 | 202 | 355208 | 17.279 | ng | 98   |
| 80) Benzo(a)anthracene         | 13.85 | 228 | 169898 | 11.278 | ng | 97   |
| 82) Chrysene                   | 13.89 | 228 | 147363 | 9.834  | ng | 98   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.63 | 276 | 72835  | 6.607  | ng | # 91 |
| 87) Benzo(b)fluoranthene       | 14.87 | 252 | 228322 | 14.850 | ng | 98   |
| 88) Benzo(k)fluoranthene       | 14.87 | 252 | 228322 | 15.806 | ng | 96   |
| 89) Benzo(a)pyrene             | 15.22 | 252 | 134258 | 9.863  | ng | 97   |
| 91) Benzo(g,h,i)perylene       | 17.04 | 276 | 64243  | 5.556  | ng | 97   |

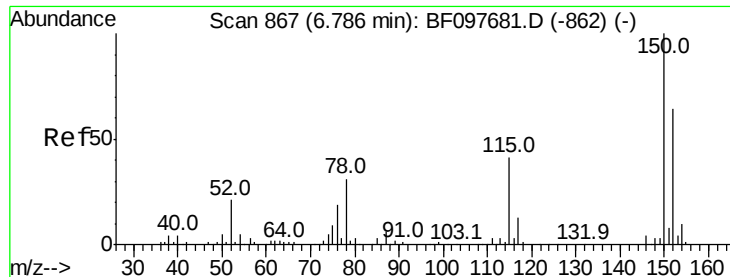
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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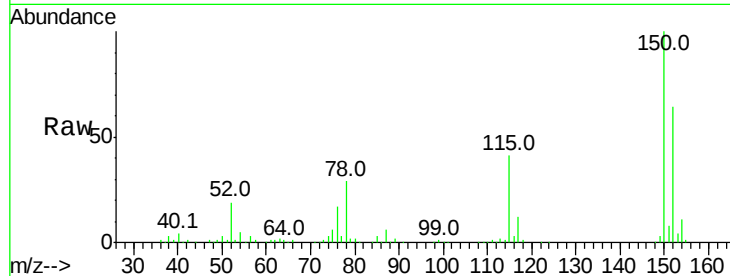


#1

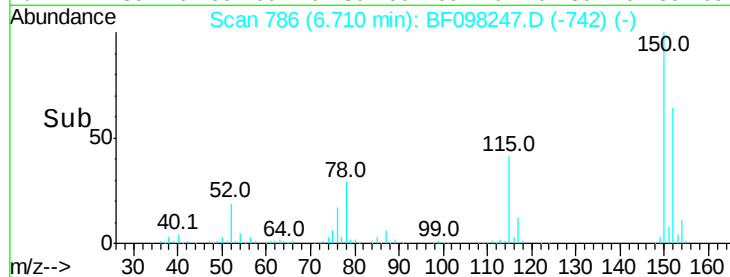
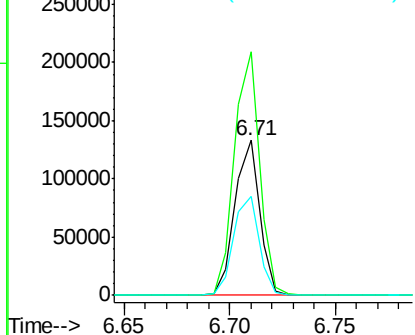
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 108042  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 126.2 189.2  
 115 63.7 52.2 78.2



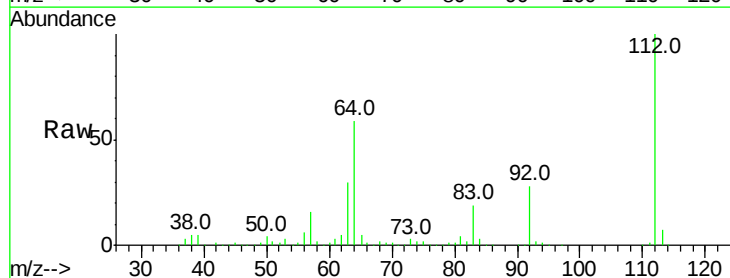
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



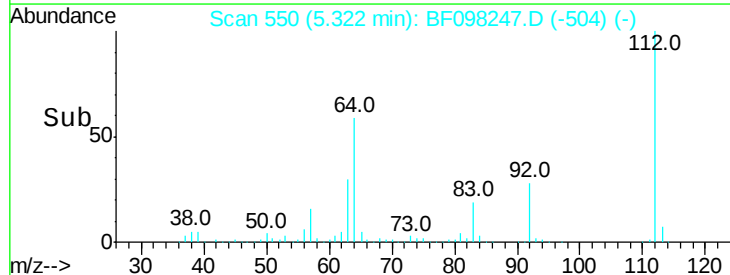
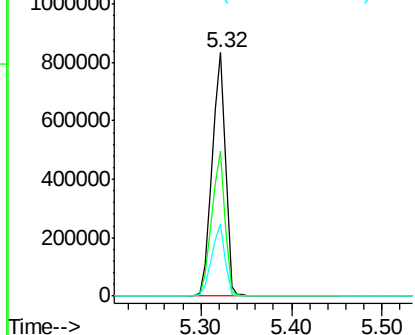
#5

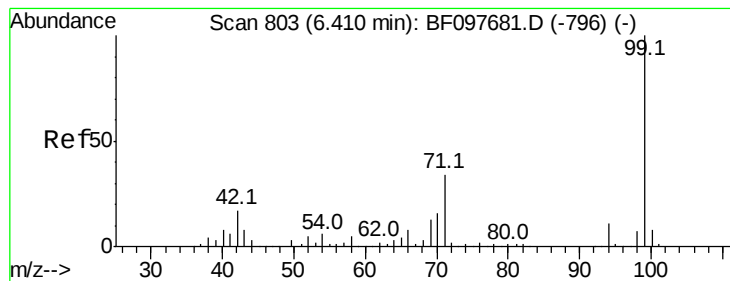
2-Fluorophenol  
 Concen: 123.143 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. -0.03 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Tgt Ion:112 Resp: 874686  
 Ion Ratio Lower Upper  
 112 100  
 64 59.4 46.0 69.0  
 63 29.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.730 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

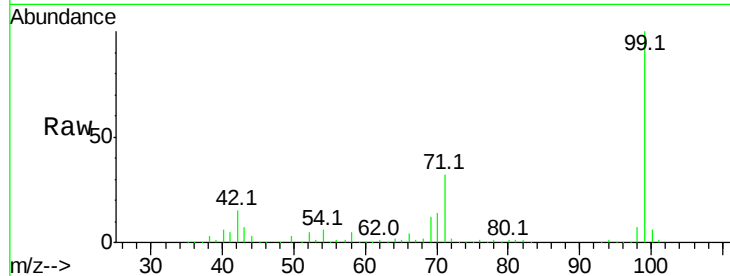
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1223068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.6  | 13.5  | 20.3  |
| 71  | 31.6  | 24.5  | 36.7  |

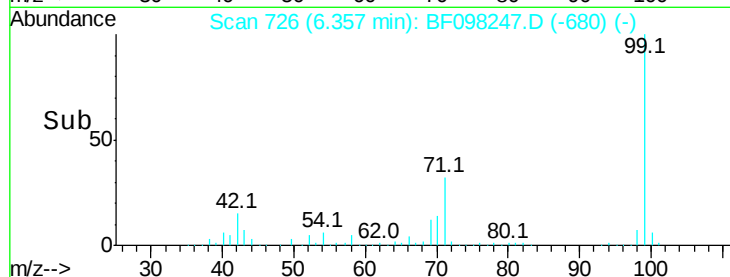


Abundance

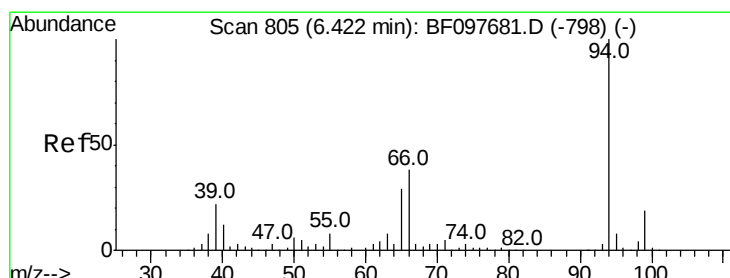
Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#10

Phenol

Concen: 4.198 ng

RT: 6.37 min Scan# 728

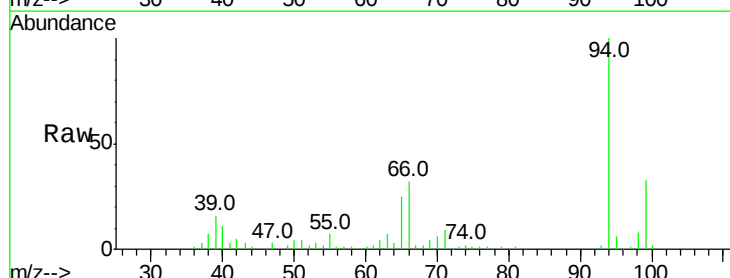
Delta R.T. -0.03 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Tgt Ion: 94 Resp: 47380

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 24.7  | 9.9   | 49.9  |
| 66  | 31.7  | 23.1  | 63.1  |

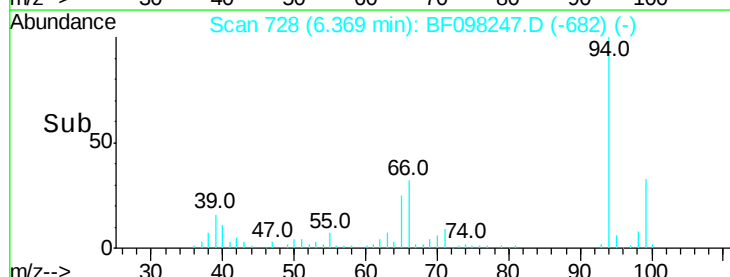


Abundance

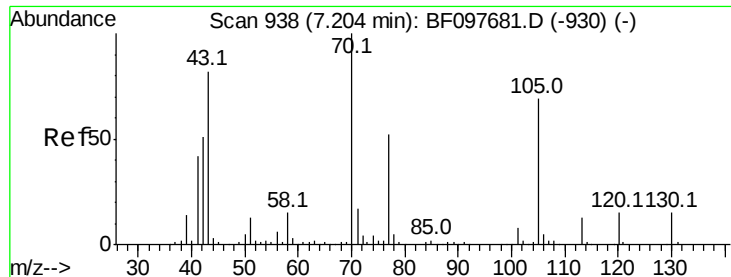
Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



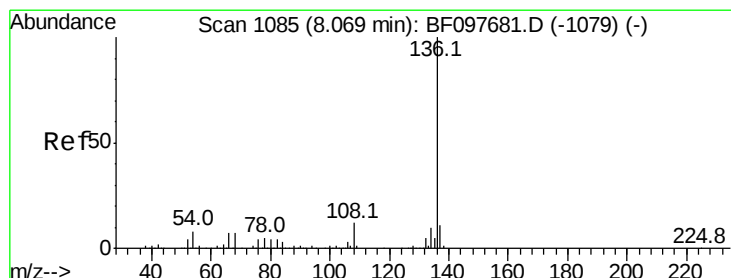
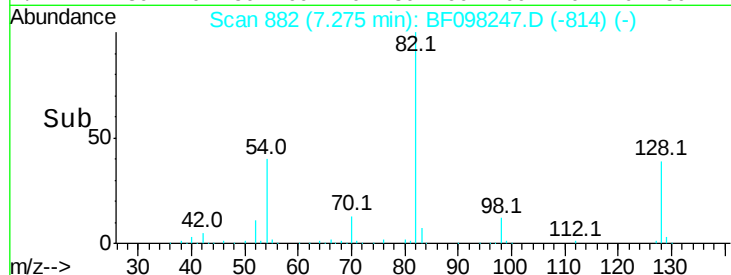
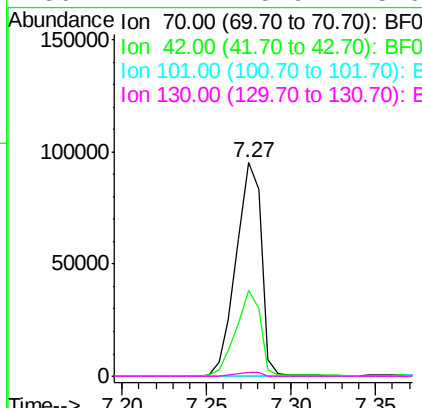
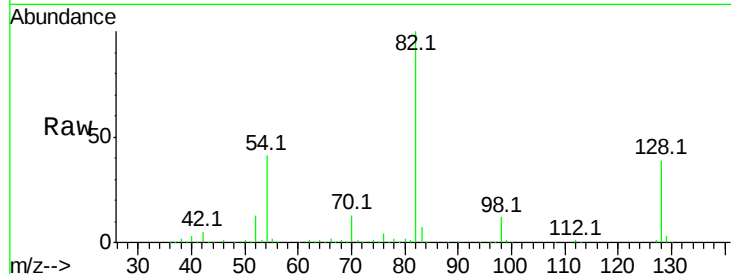
Time-->



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.142 ng  
 RT: 7.27 min Scan# 882  
 Delta R.T. 0.10 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

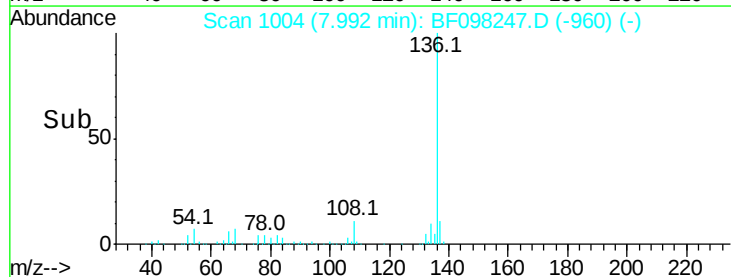
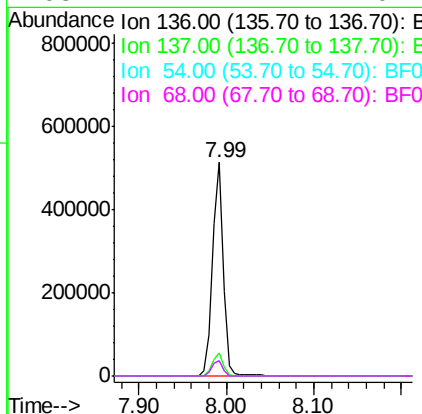
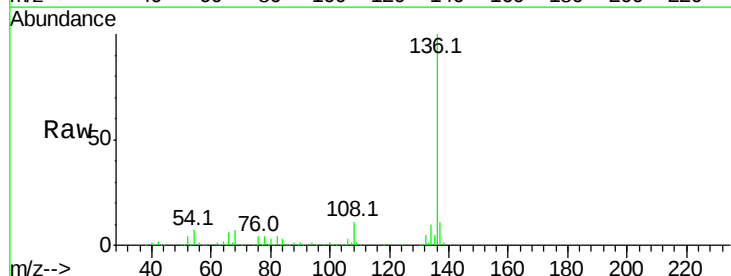
Instrument :  
 BNA\_F  
 ClientSampleId :

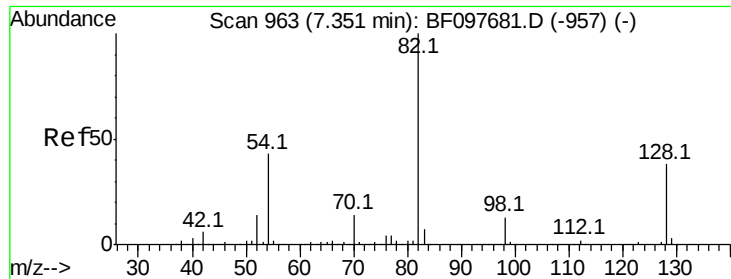
Tot Ion: 70 Resp: 100039  
 Ion Ratio Lower Upper  
 70 100  
 42 39.9 47.2 70.8#  
 101 0.0 7.2 10.8#  
 130 1.7 15.9 23.9#



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Tgt Ion: 136 Resp: 439661  
 Ion Ratio Lower Upper  
 136 100  
 137 10.8 8.5 12.7  
 54 7.3 4.9 7.3#  
 68 7.1 4.1 6.1#

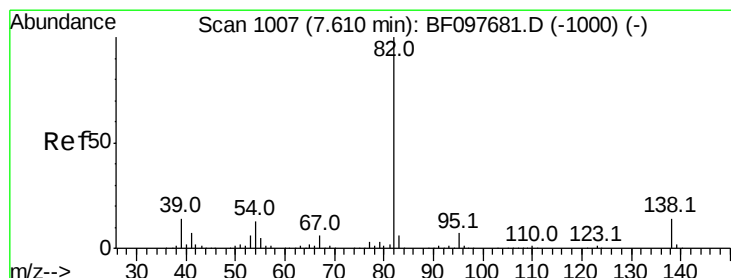
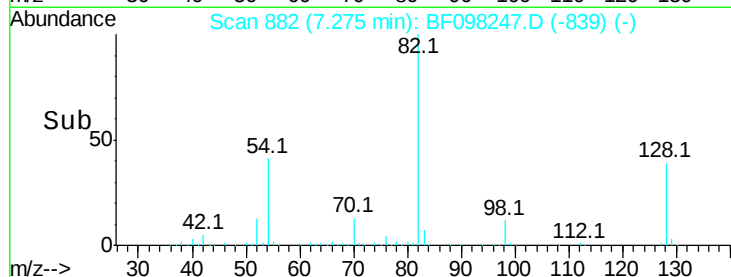
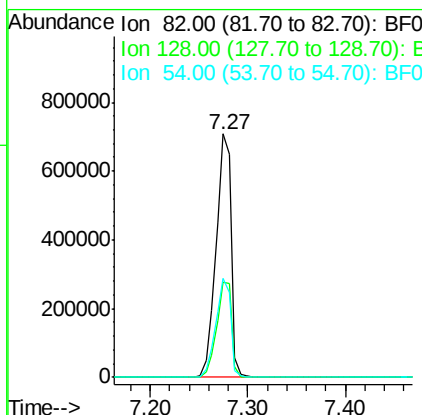
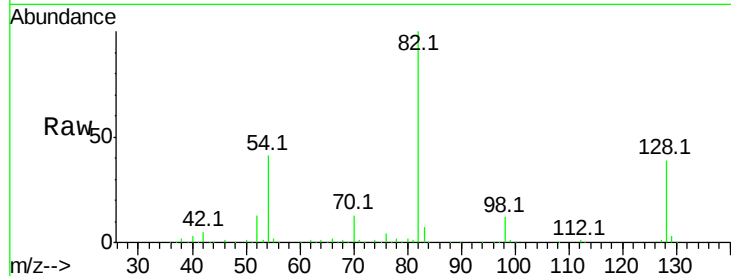




#23  
 Nitrobenzene-d5  
 Concen: 93.633 ng  
 RT: 7.27 min Scan# 882  
 Delta R.T. -0.05 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

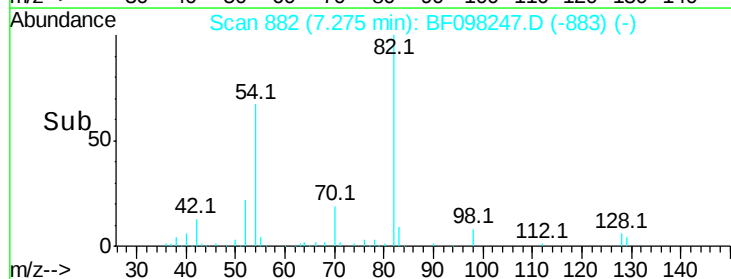
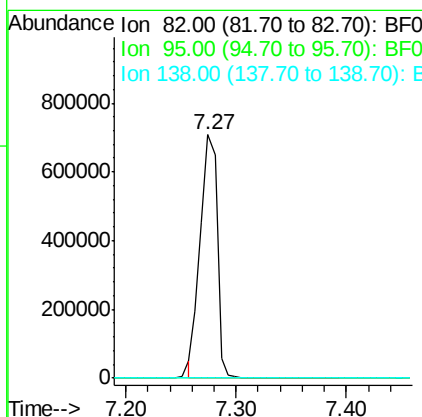
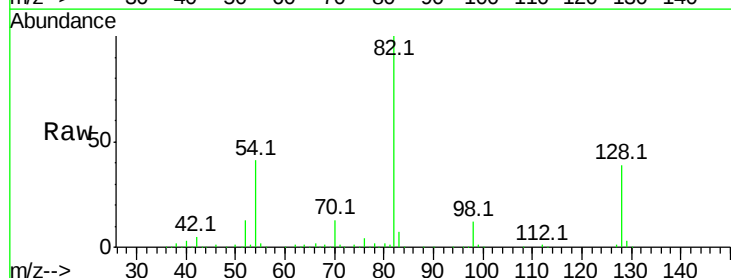
Instrument :  
 BNA\_F  
 ClientSampled :

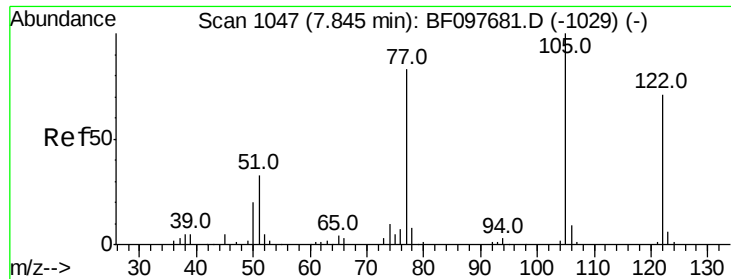
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.0  | 34.0  | 51.0  |
| 54      | 40.8  | 42.2  | 63.2# |



#25  
 Isophorone  
 Concen: 43.766 ng  
 RT: 7.27 min Scan# 882  
 Delta R.T. -0.31 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.3   | 7.9#  |
| 138     | 0.0   | 13.1  | 19.7# |

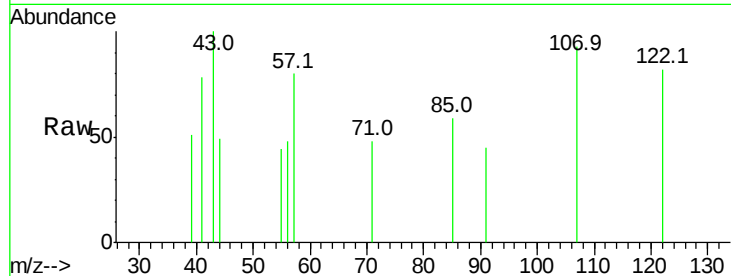




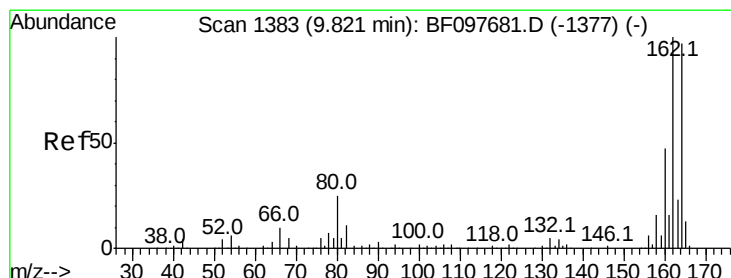
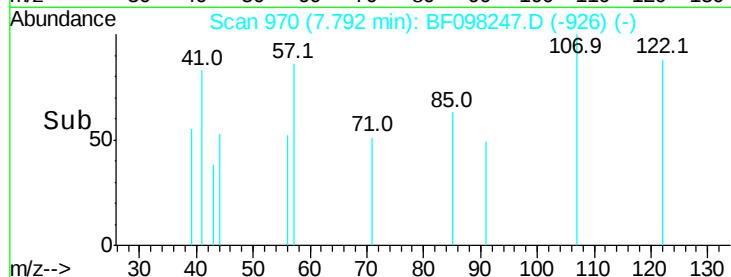
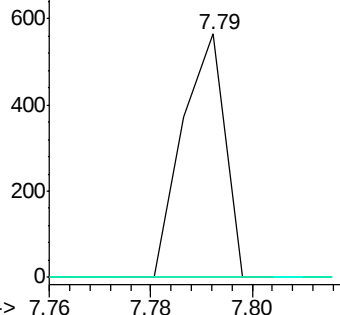
#32  
Benzoic acid  
Concen: 6.460 ng  
RT: 7.79 min Scan# 970  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:122 Resp: 330  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 0.0 73.7 113.7#

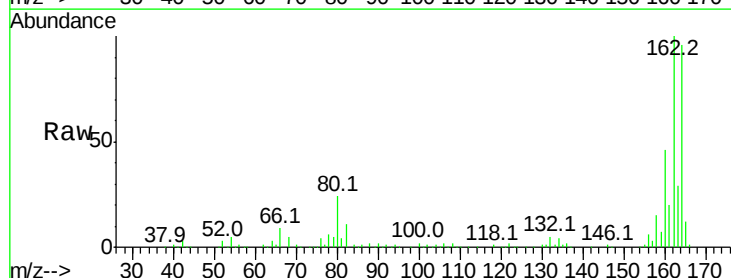


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

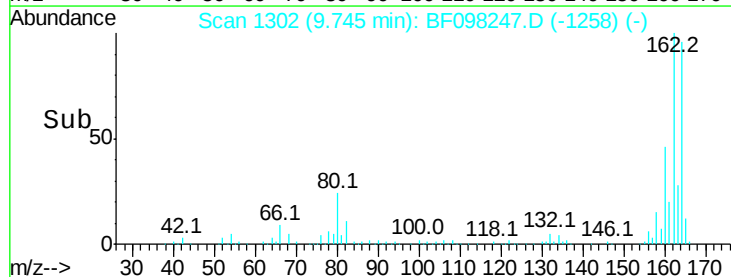
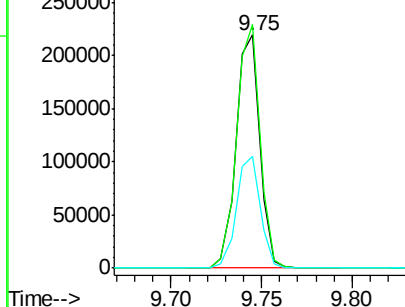


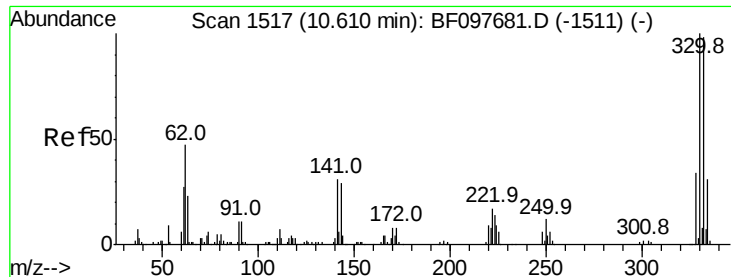
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1302  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Tgt Ion:164 Resp: 200122  
Ion Ratio Lower Upper  
164 100  
162 104.4 82.6 123.8  
160 48.1 36.2 54.2



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

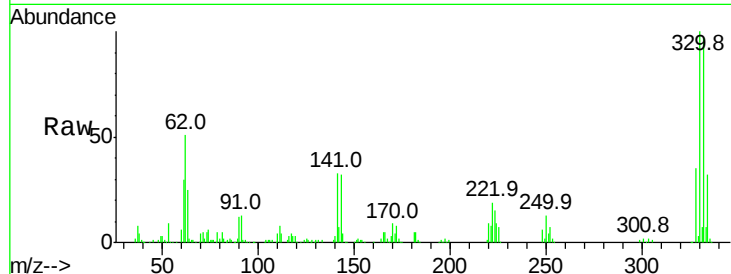




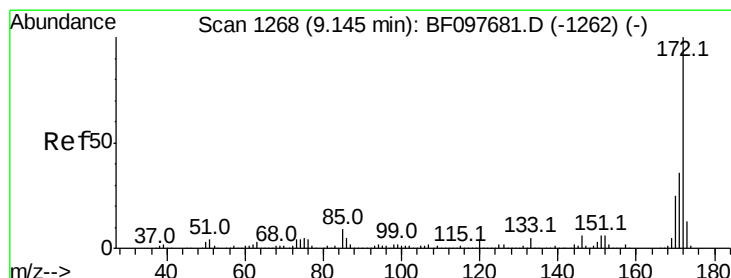
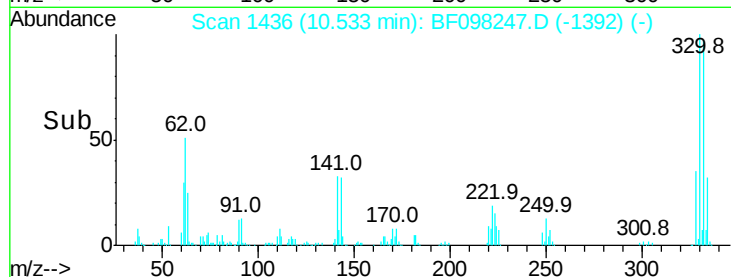
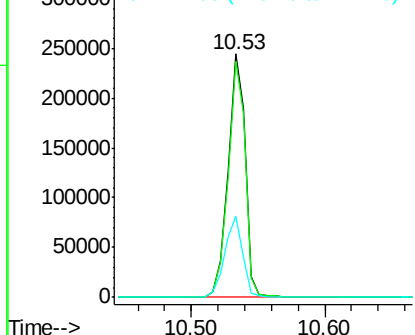
#41  
 2,4,6-Tribromophenol  
 Concen: 128.806 ng  
 RT: 10.53 min Scan# 1436  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 223656  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 115.0  
 141 34.6 31.4 47.2

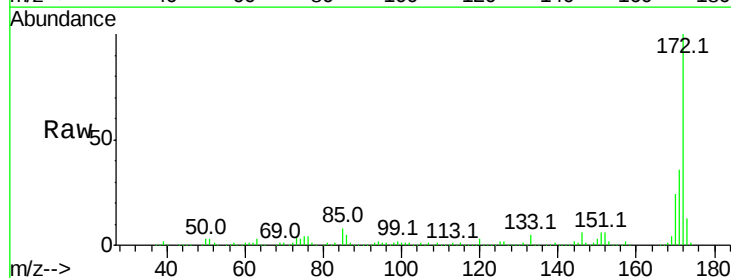


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

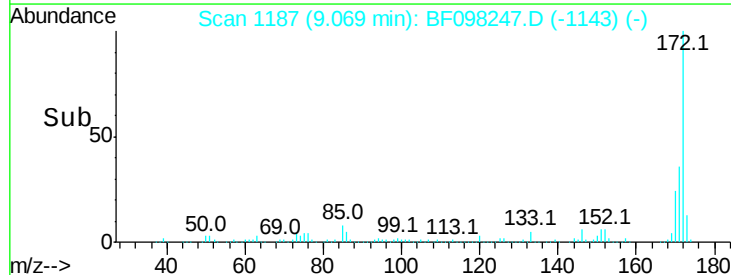
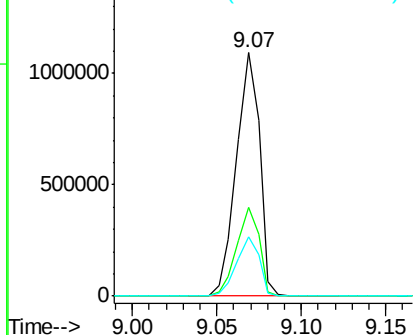


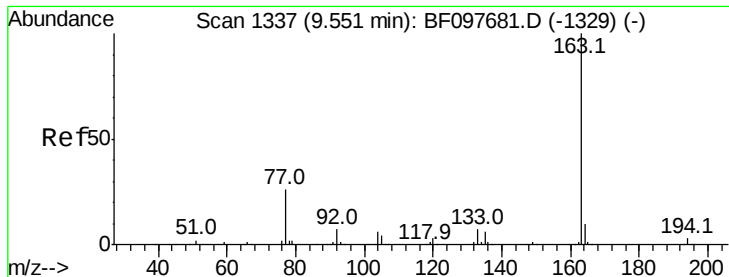
#44  
 2-Fluorobiphenyl  
 Concen: 77.075 ng  
 RT: 9.07 min Scan# 1187  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Tgt Ion:172 Resp: 1049851  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.3 19.8 29.8



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

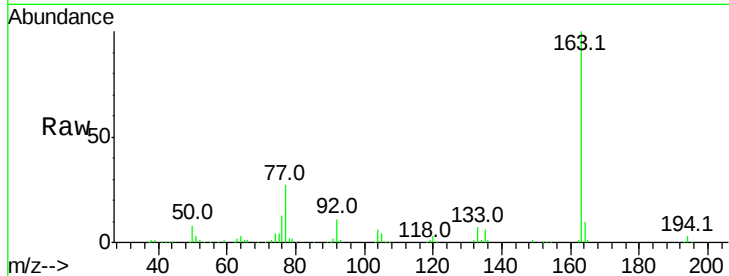




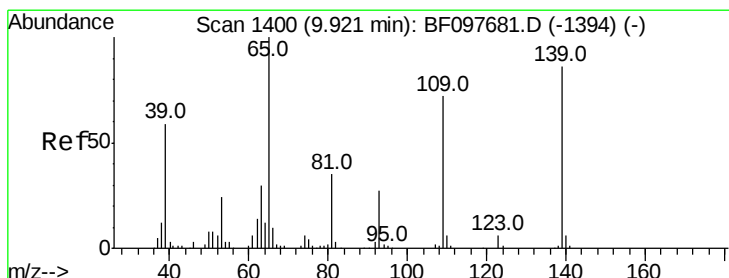
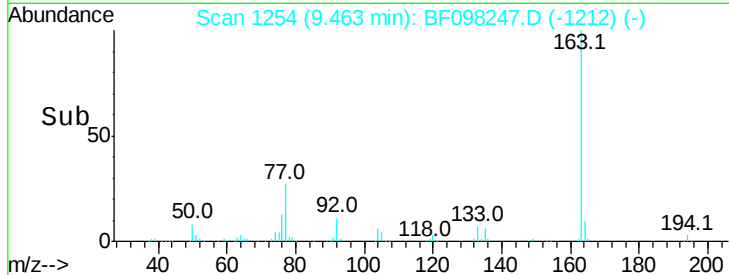
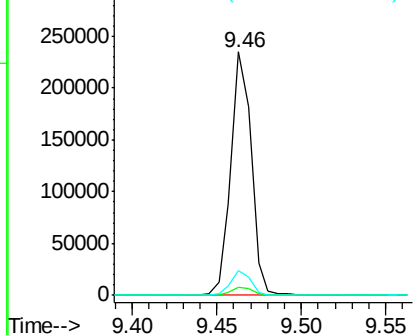
#49  
Dimethylphthalate  
Concen: 13.476 ng  
RT: 9.46 min Scan# 1254  
Delta R.T. -0.05 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 197126  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 10.1 8.4 12.6

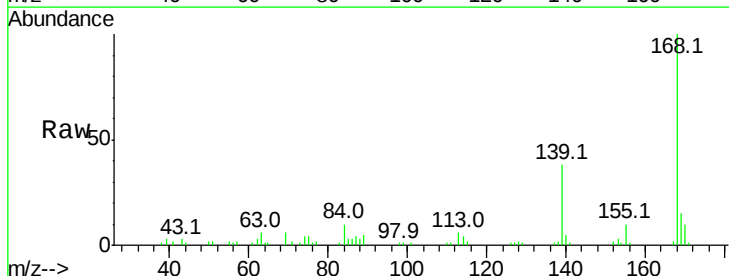


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

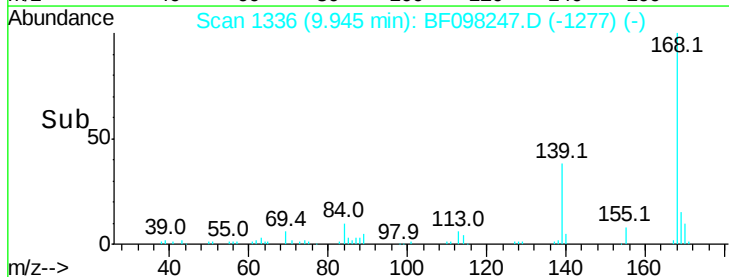
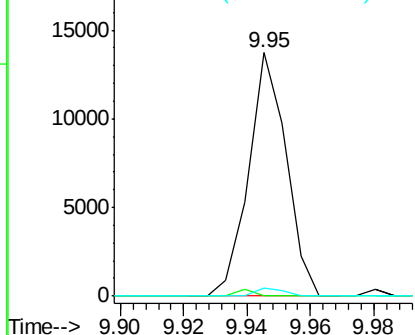


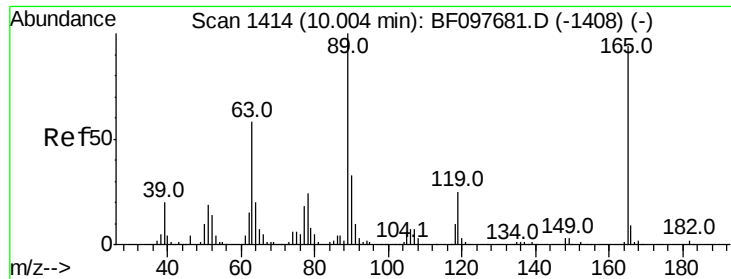
#55  
4-Nitrophenol  
Concen: 3.741 ng  
RT: 9.95 min Scan# 1336  
Delta R.T. 0.05 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Tgt Ion:139 Resp: 11244  
Ion Ratio Lower Upper  
139 100  
109 0.0 34.1 74.1#  
65 3.1 31.4 71.4#



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): BF0

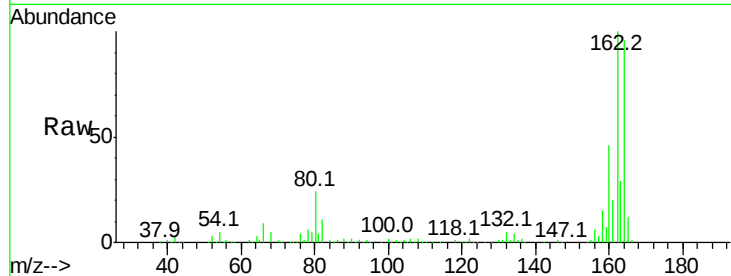




#56  
2,4-Dinitrotoluene  
Concen: 7.190 ng  
RT: 9.75 min Scan# 1302  
Delta R.T. -0.23 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 25.4  | 38.0# |
| 89      | 1.6   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



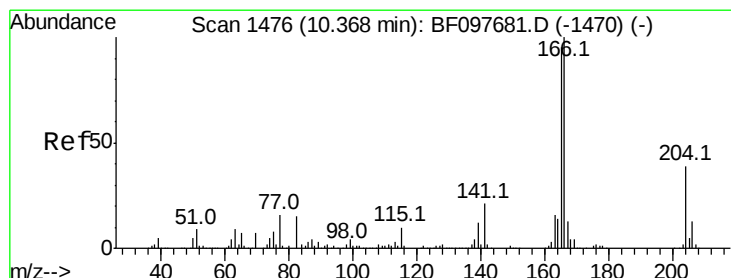
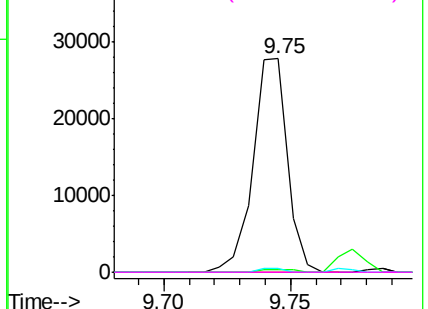
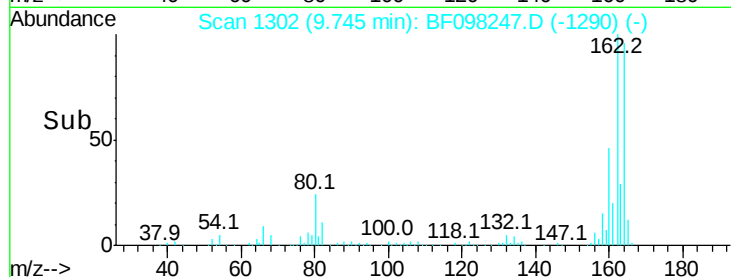
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

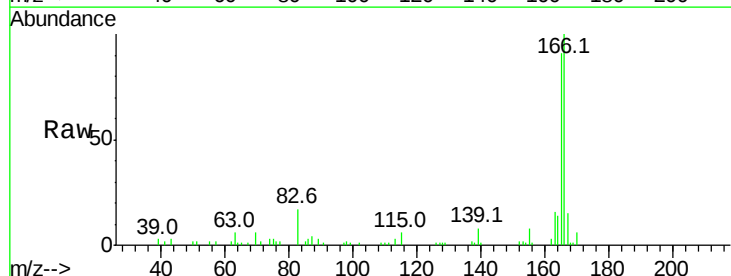
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57  
Fluorene  
Concen: 2.155 ng  
RT: 10.29 min Scan# 1394  
Delta R.T. -0.05 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 91.4  | 78.8  | 118.2 |
| 167     | 15.3  | 10.6  | 16.0  |

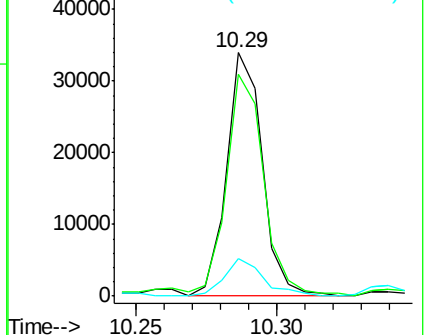
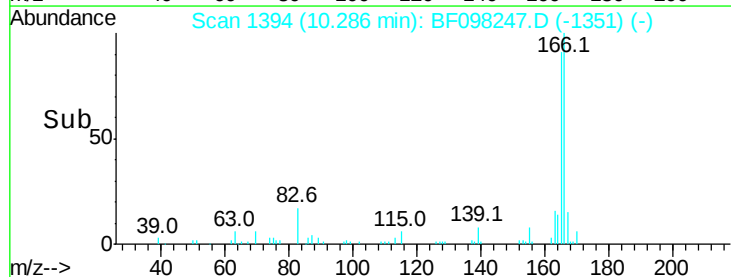


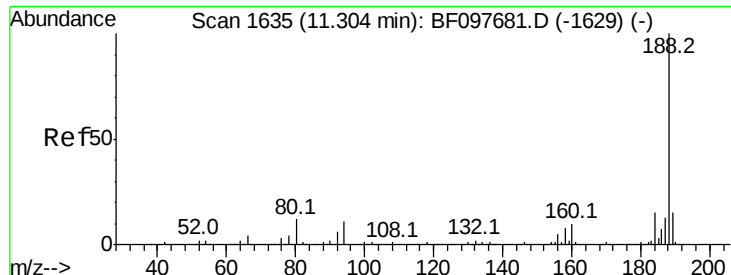
Abundance

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

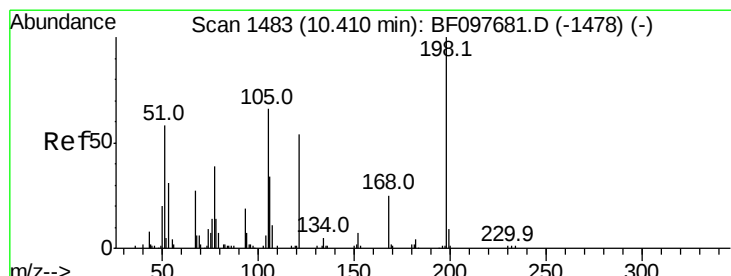
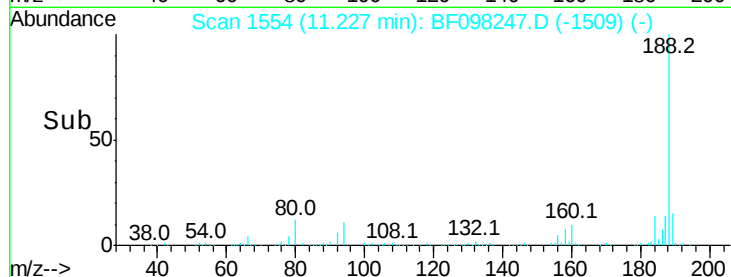
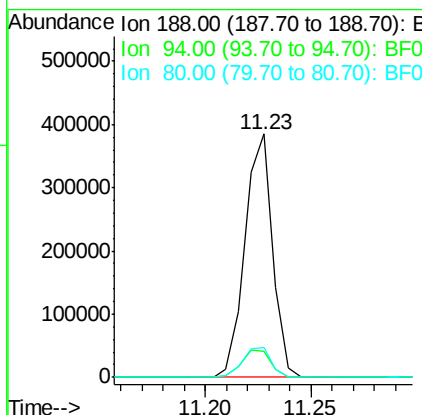
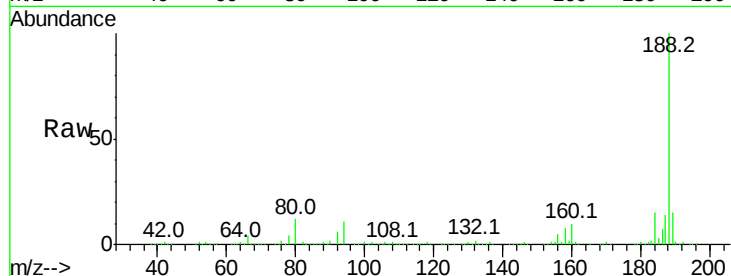




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.23 min Scan# 1554  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

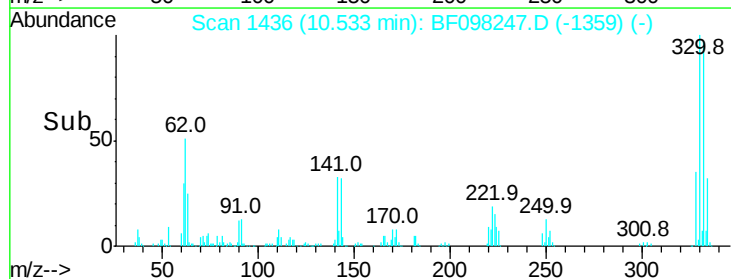
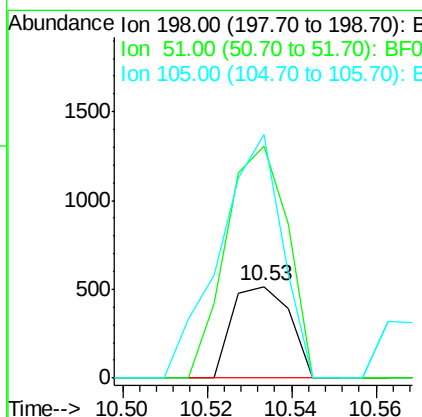
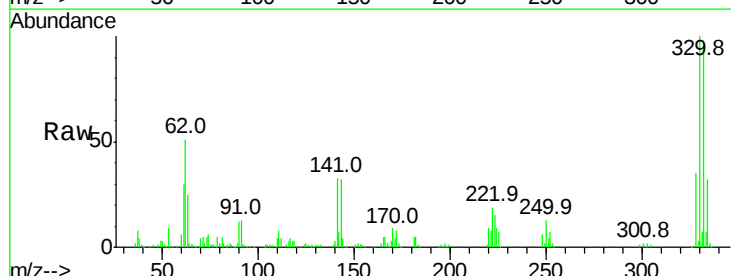
Instrument :  
 BNA\_F  
 ClientSampleId :

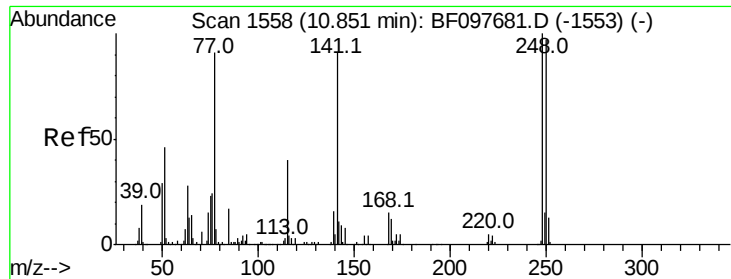
Tot Ion:188 Resp: 348784  
 Ion Ratio Lower Upper  
 188 100  
 94 10.8 9.4 14.2  
 80 12.1 10.2 15.2



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.567 ng  
 RT: 10.53 min Scan# 1436  
 Delta R.T. 0.15 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Tgt Ion:198 Resp: 490  
 Ion Ratio Lower Upper  
 198 100  
 51 253.4 53.2 93.2#  
 105 266.2 45.8 85.8#

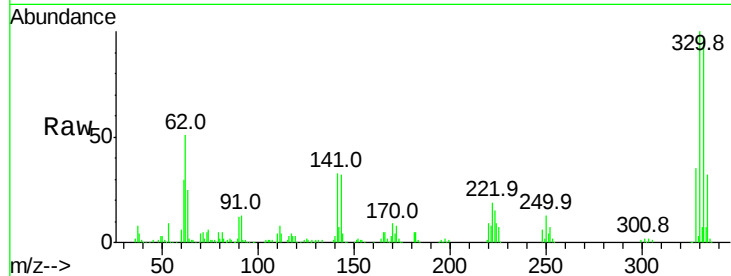




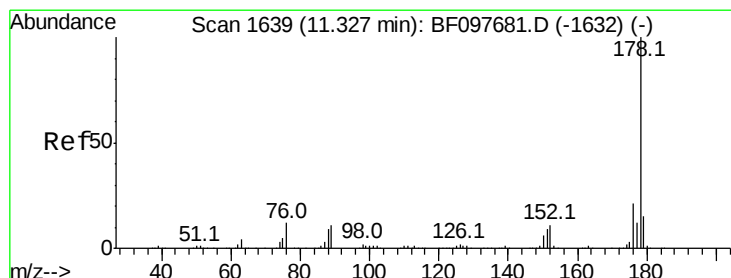
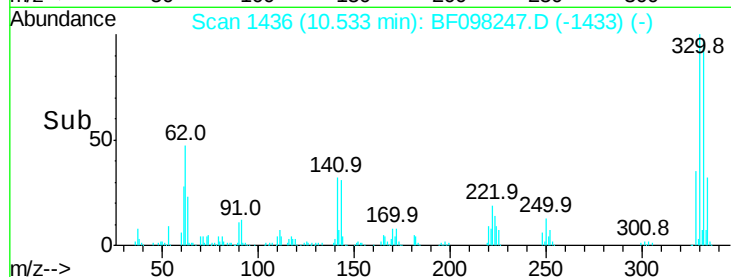
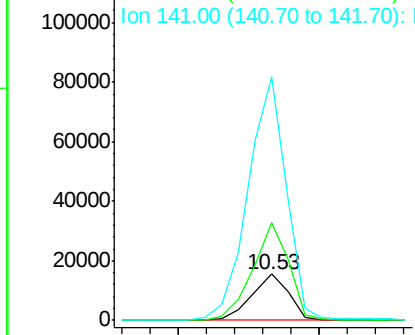
#66  
4-Bromophenyl-phenylether  
Concen: 3.882 ng  
RT: 10.53 min Scan# 1436  
Delta R.T. -0.28 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 14061  
Ion Ratio Lower Upper  
248 100  
250 211.4 76.8 115.2#  
141 526.9 68.6 103.0#

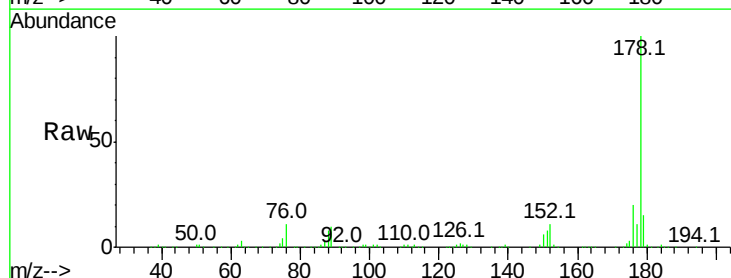


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

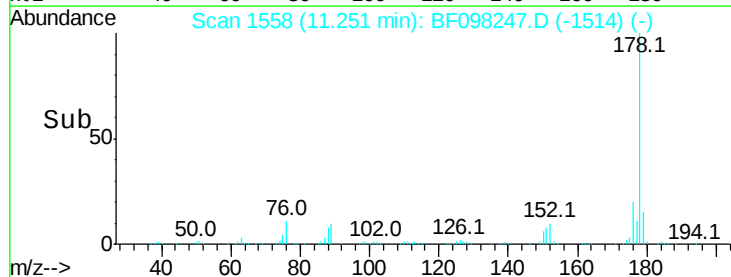
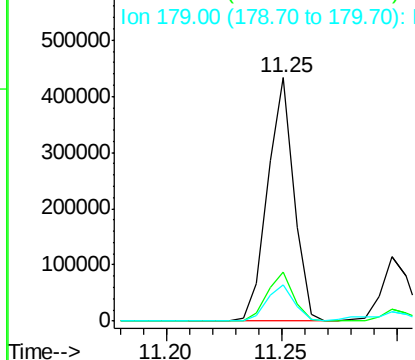


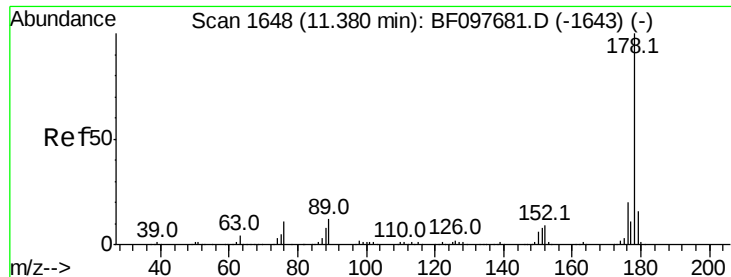
#70  
Phenanthrene  
Concen: 18.534 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

Tgt Ion:178 Resp: 344476  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.2 24.4  
179 15.0 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

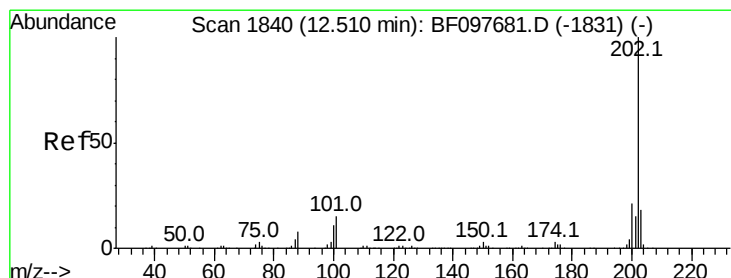
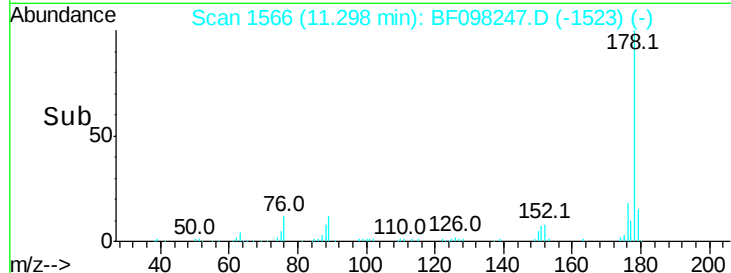
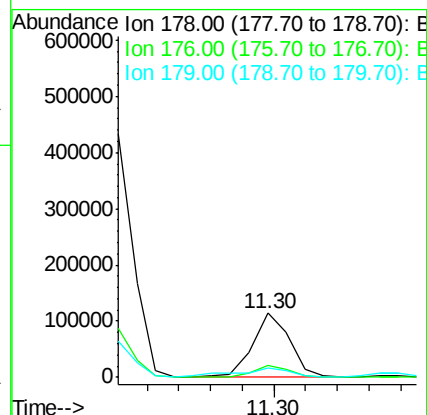
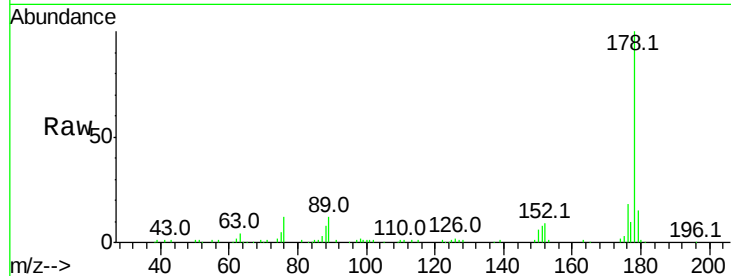




#71  
 Anthracene  
 Concen: 4.843 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.05 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

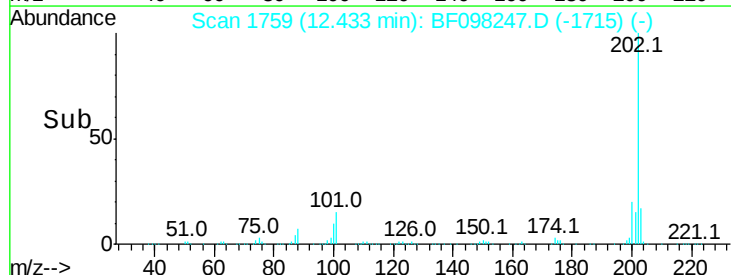
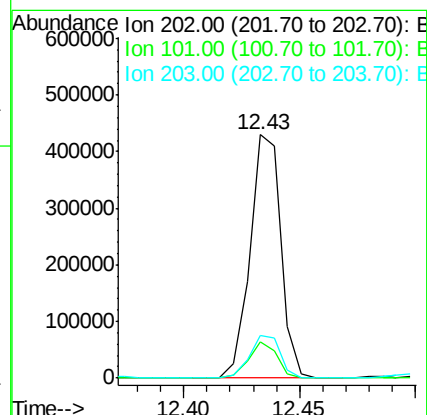
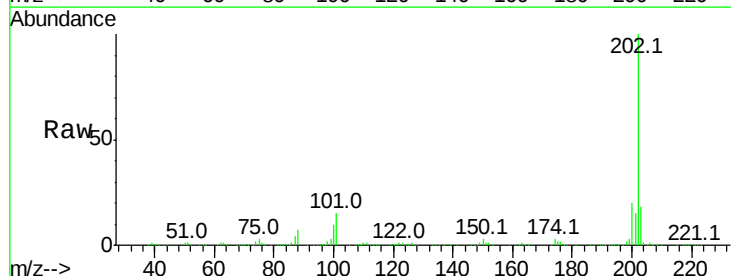
Instrument :  
 BNA\_F  
 ClientSampleID :

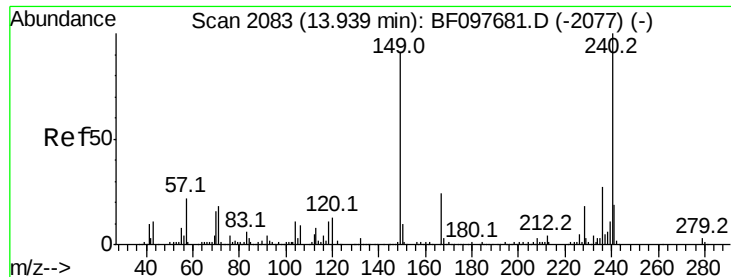
Tot Ion:178 Resp: 91300  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.8 23.8  
 179 15.2 12.7 19.1



#74  
 Fluoranthene  
 Concen: 20.628 ng  
 RT: 12.43 min Scan# 1759  
 Delta R.T. -0.04 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Tgt Ion:202 Resp: 400161  
 Ion Ratio Lower Upper  
 202 100  
 101 15.0 0.0 33.2  
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA\_F

ClientSampleId :

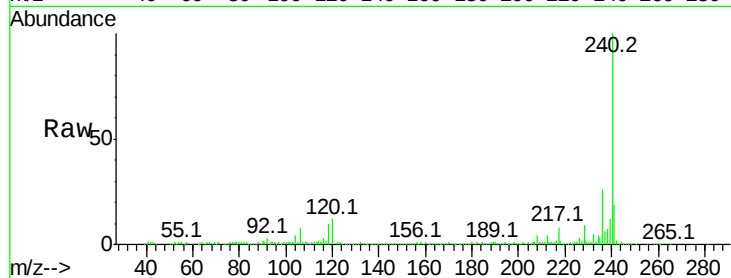
Tot Ion:240 Resp: 251342

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

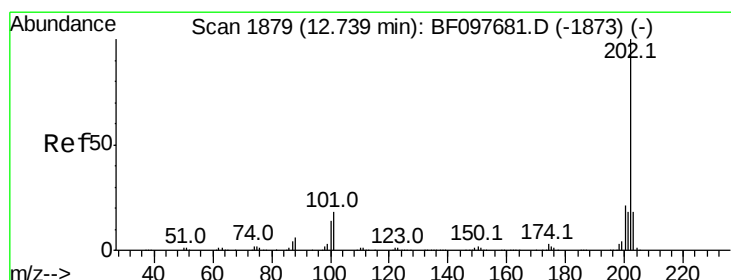
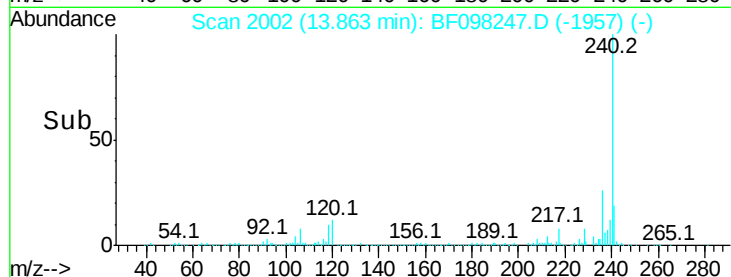
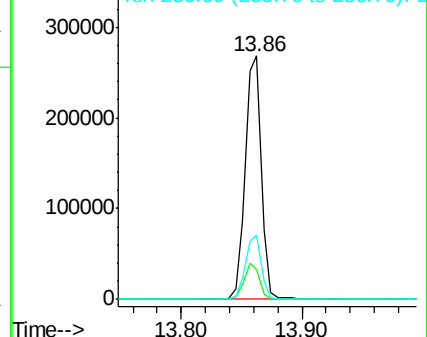
236 26.4 20.5 30.7



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

Pyrene

Concen: 17.279 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

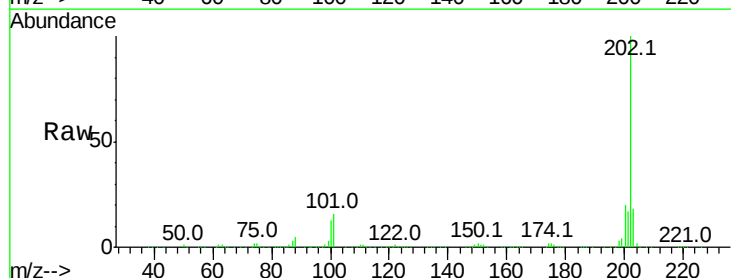
Tgt Ion:202 Resp: 355208

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

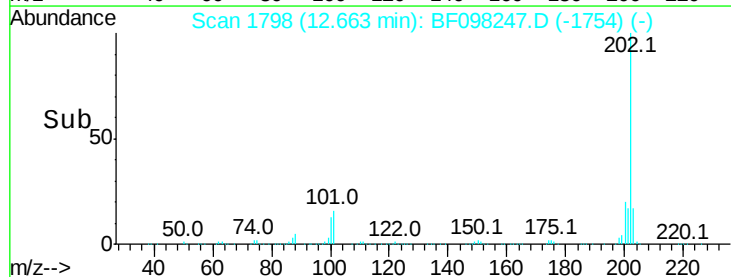
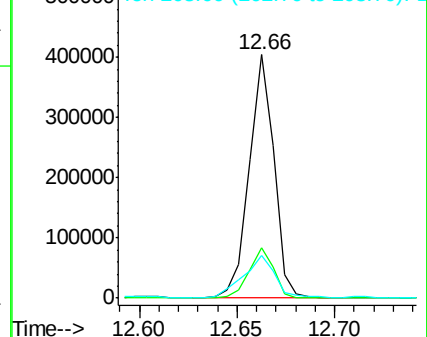
203 17.6 14.4 21.6

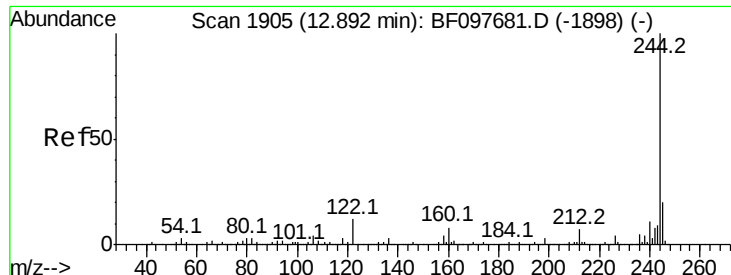


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.940 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA\_F

ClientSampleId :

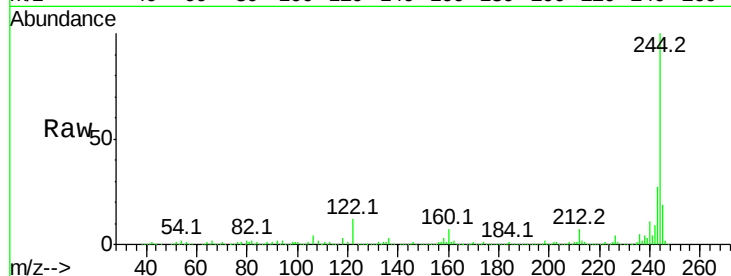
Tot Ion:244 Resp: 758608

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

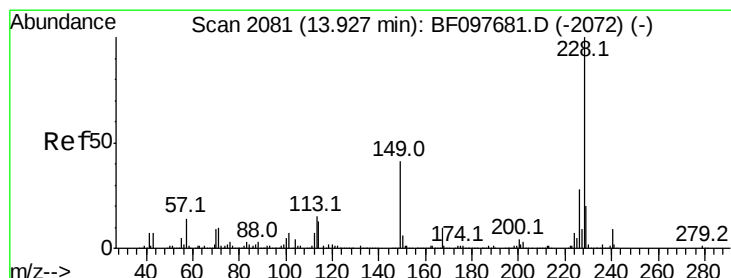
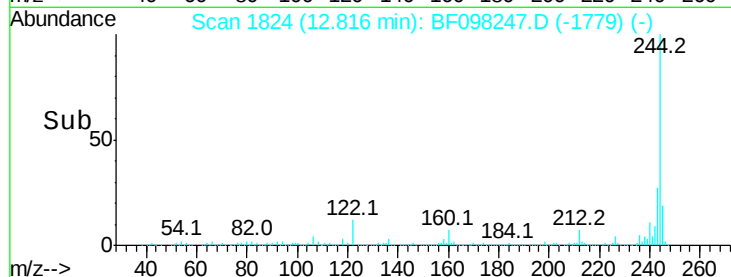
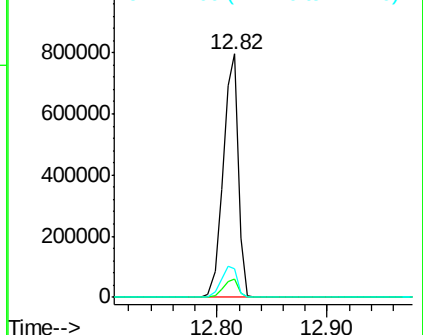
122 11.9 10.3 15.5



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

Benzo(a)anthracene

Concen: 11.278 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

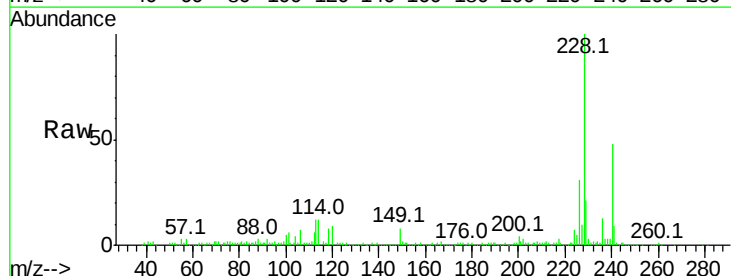
Tgt Ion:228 Resp: 169898

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

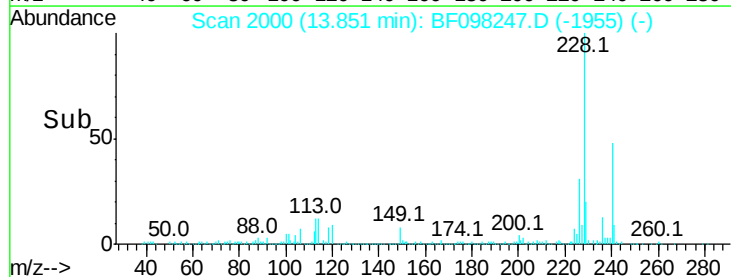
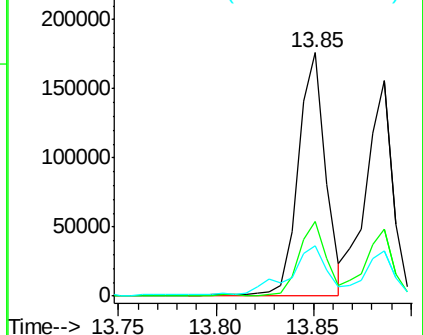
229 20.7 16.3 24.5

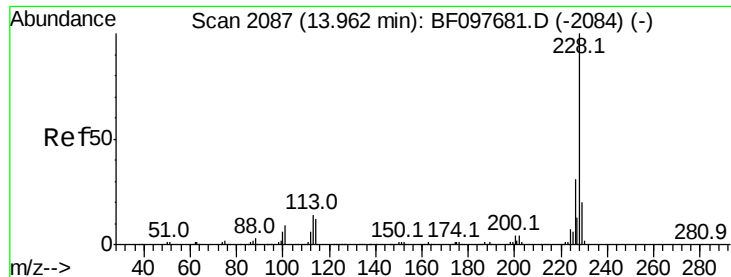


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.834 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.04 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

Instrument :

BNA\_F

ClientSampleId :

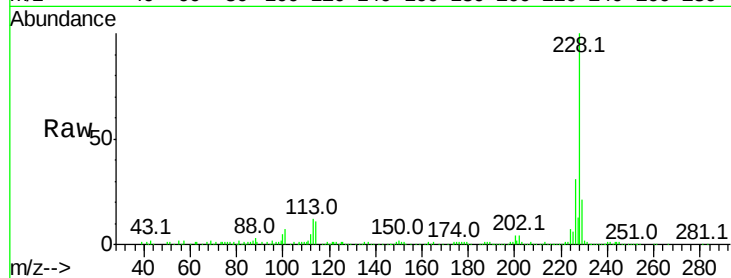
Tot Ion:228 Resp: 147363

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

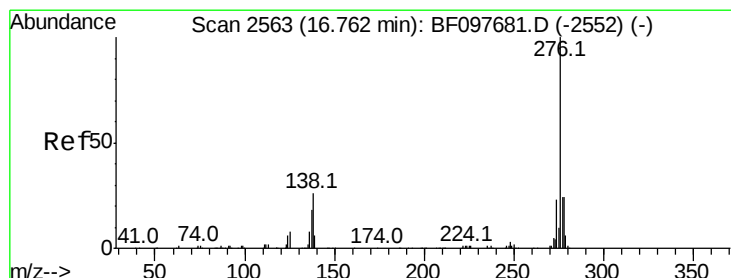
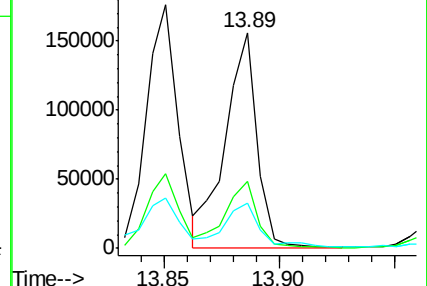
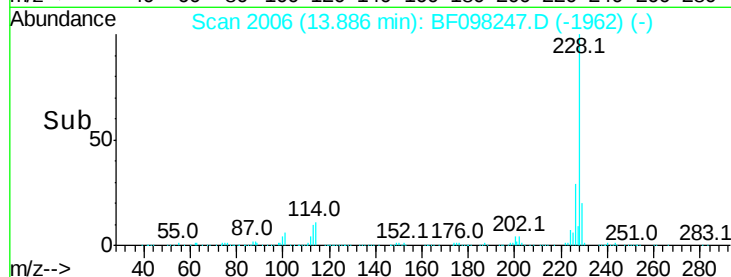
229 21.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.607 ng

RT: 16.63 min Scan# 2473

Delta R.T. -0.05 min

Lab File: BF098247.D

Acq: 2 Sep 2017 15:52

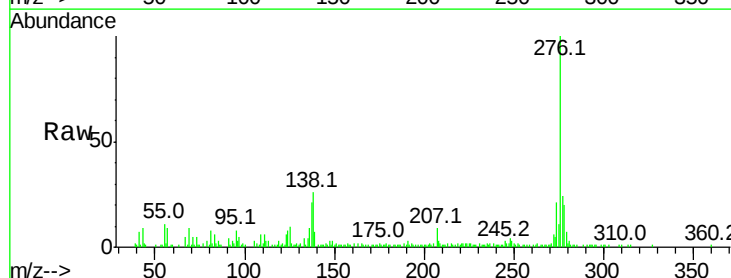
Tgt Ion:276 Resp: 72835

Ion Ratio Lower Upper

276 100

138 26.2 27.8 41.6#

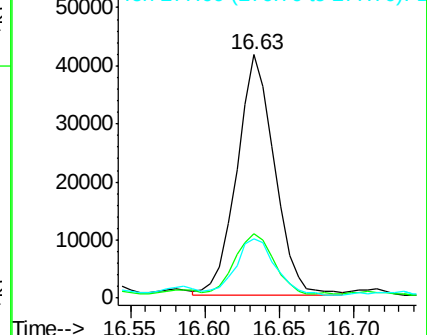
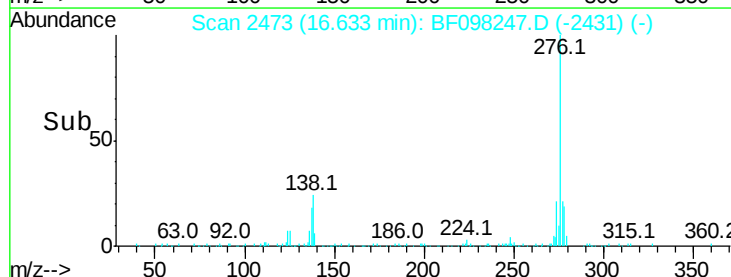
277 25.0 20.2 30.4

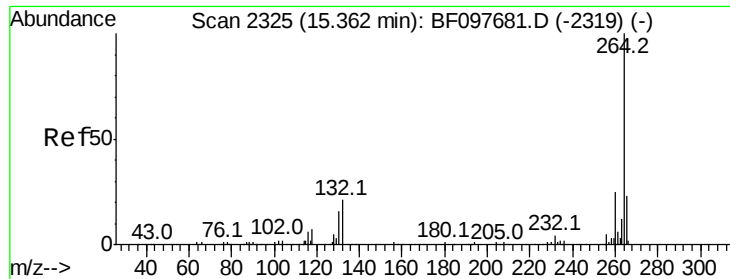


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

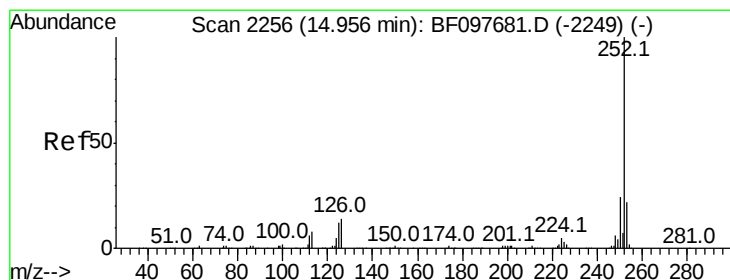
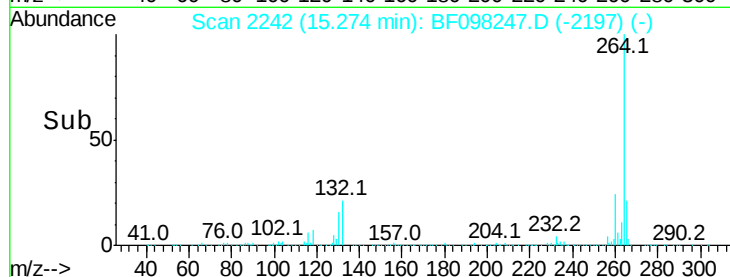
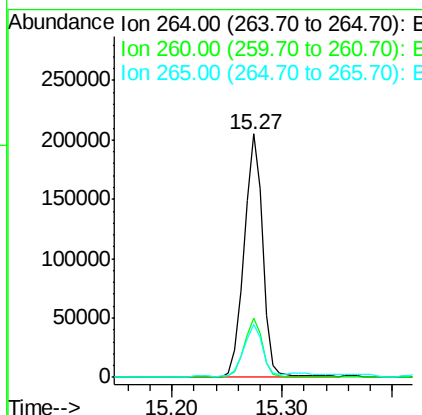
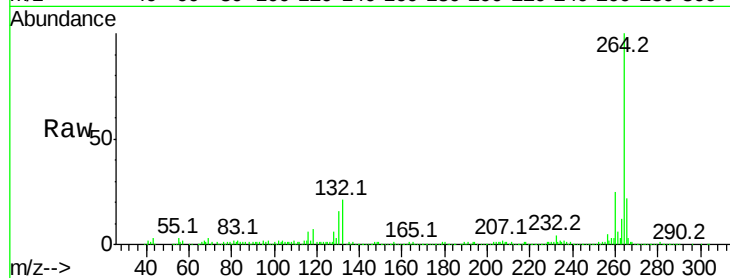




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2242  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

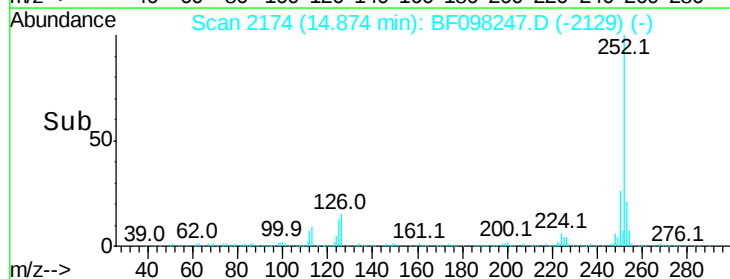
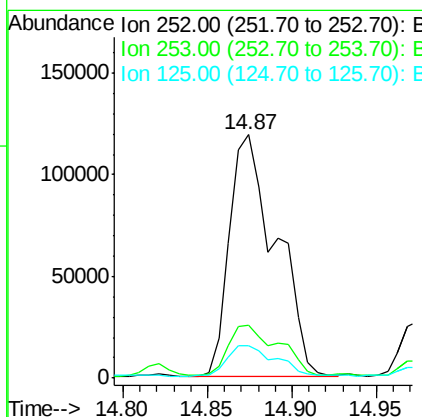
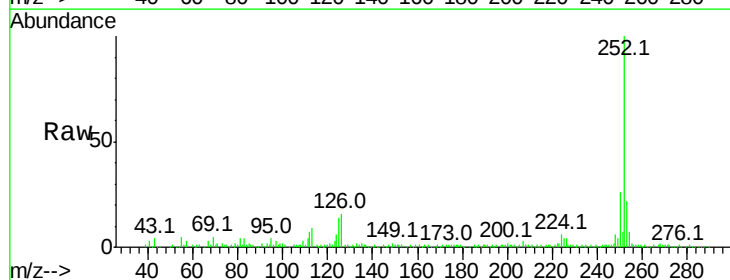
Instrument :  
BNA\_F  
ClientSampled :

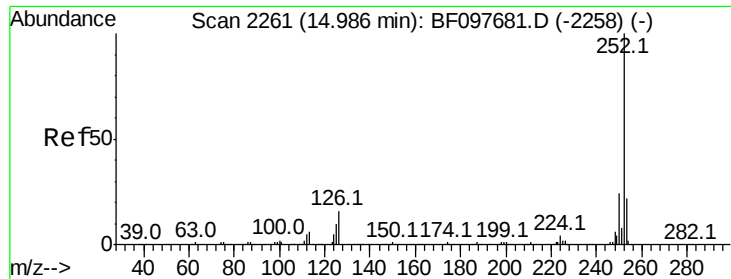
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.5  | 29.3  |
| 265     | 21.7  | 17.2  | 25.8  |



#87  
Benzo(b)fluoranthene  
Concen: 14.850 ng  
RT: 14.87 min Scan# 2174  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 18.1  | 27.1  |
| 125     | 13.5  | 9.8   | 14.8  |

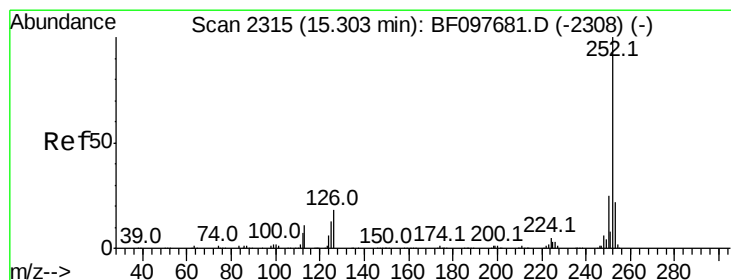
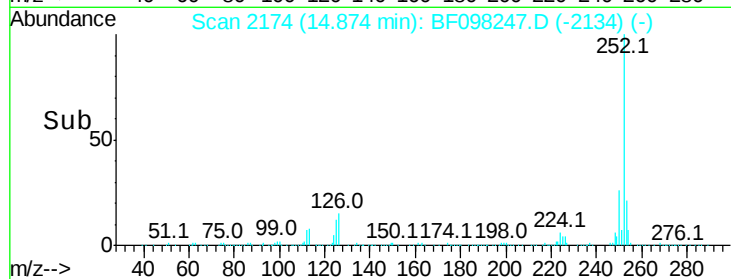
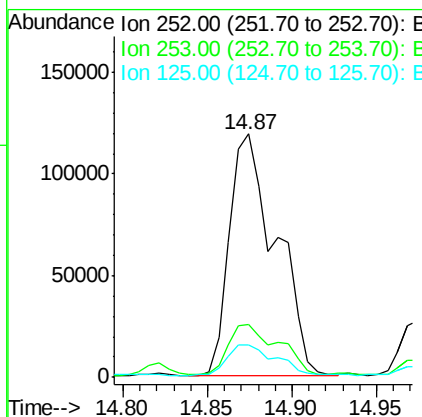
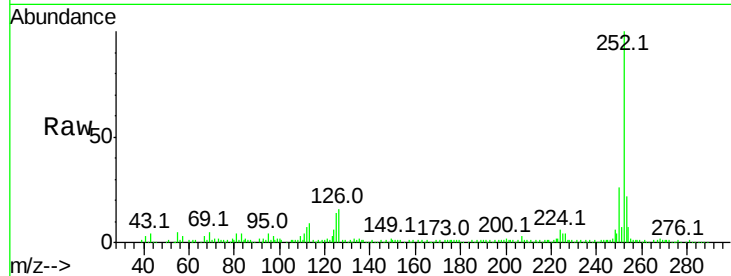




#88  
Benzo(k)fluoranthene  
Concen: 15.806 ng  
RT: 14.87 min Scan# 2174  
Delta R.T. -0.06 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

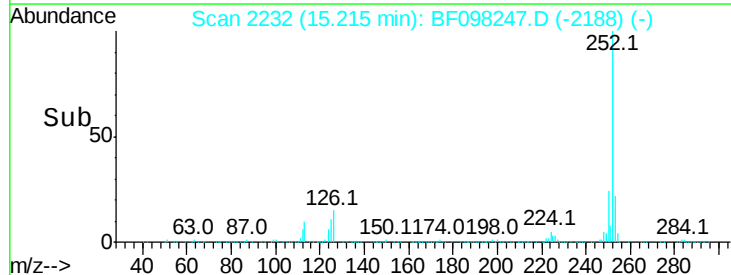
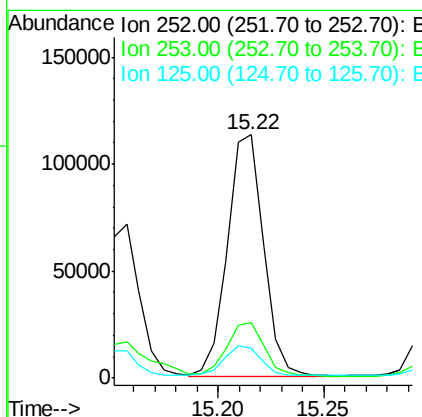
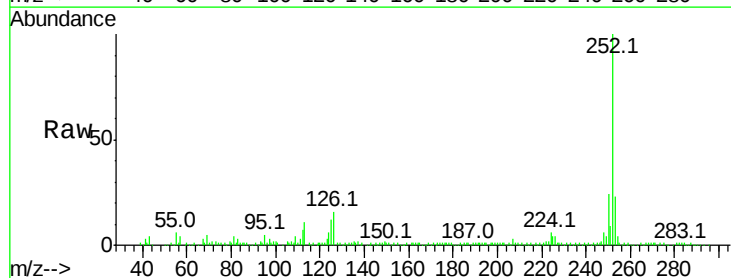
Instrument :  
BNA\_F  
ClientSampleId :

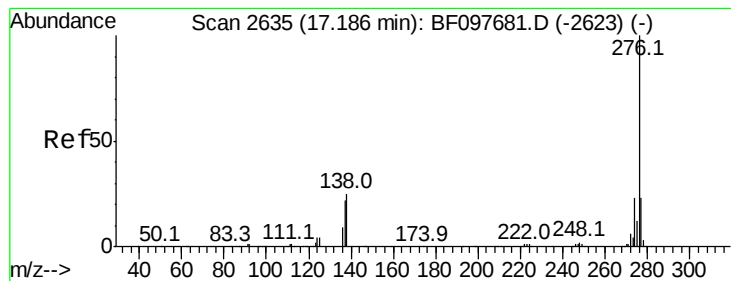
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 18.4  | 27.6  |
| 125     | 13.5  | 13.1  | 19.7  |



#89  
Benzo(a)pyrene  
Concen: 9.863 ng  
RT: 15.22 min Scan# 2232  
Delta R.T. -0.04 min  
Lab File: BF098247.D  
Acq: 2 Sep 2017 15:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.5  | 26.3  |
| 125     | 12.3  | 11.0  | 16.4  |

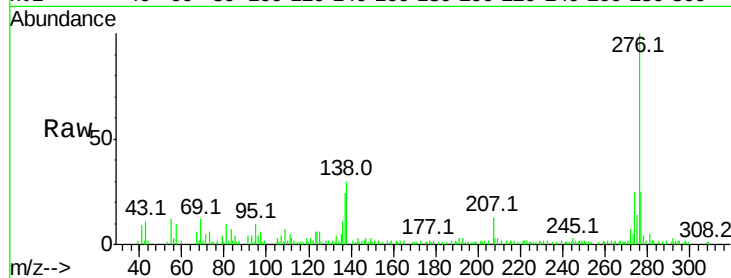




#91  
 Benzo(a,h,i)perylene  
 Concen: 5.556 ng  
 RT: 17.04 min Scan# 2543  
 Delta R.T. -0.06 min  
 Lab File: BF098247.D  
 Acq: 2 Sep 2017 15:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:276 Resp: 64243  
 Ion Ratio Lower Upper  
 276 100  
 277 25.2 18.6 28.0  
 138 30.0 25.4 38.0



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

