

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\  
 Data File : BF098635.D  
 Acq On : 19 Sep 2017 7:22  
 Operator : SJ/JU  
 Sample : I5265-14  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 19 07:59:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 18 13:37:24 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.63  | 152  | 108533   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.92  | 136  | 469326   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.67  | 164  | 202098   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.15 | 188  | 296648   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.79 | 240  | 247731   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.19 | 264  | 228857   | 20.00 | ng    | 0.01     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.25  | 112 | 922997  | 125.74 | ng | 0.01 |
| 7) Phenol-d6                | 6.30  | 99  | 1025900 | 110.07 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.22  | 82  | 638407  | 75.83  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330 | 126455  | 93.75  | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.00  | 172 | 958840  | 80.41  | ng | 0.00 |
| 78) Terphenyl-d14           | 12.73 | 244 | 690187  | 60.14  | ng | 0.00 |

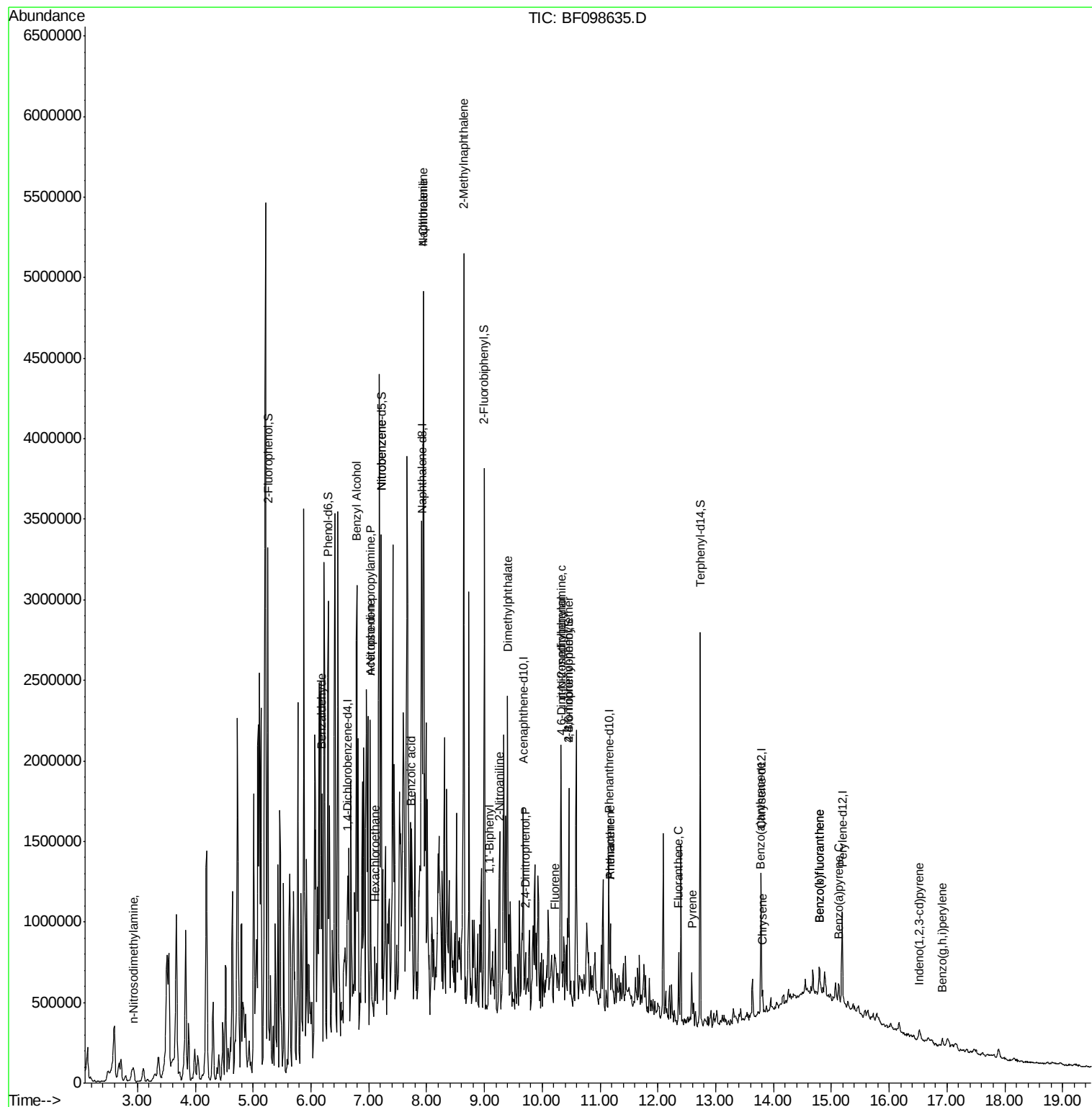
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 4) n-Nitrosodimethylamine      | 2.93  | 42  | 14459   | 2.931  | ng | # 1  |
| 9) Benzaldehyde                | 6.19  | 77  | 36895   | 6.056  | ng | # 1  |
| 15) Benzyl Alcohol             | 6.79  | 79  | 26516   | 4.275  | ng | # 50 |
| 18) Hexachloroethane           | 7.10  | 117 | 16130   | 5.061  | ng | # 1  |
| 19) n-Nitroso-di-n-propylamine | 7.03  | 70  | 23306   | 3.975  | ng | # 29 |
| 22) Acetophenone               | 7.03  | 105 | 149982  | 12.365 | ng | # 37 |
| 24) Nitrobenzene               | 7.22  | 77  | 26416   | 2.755  | ng | # 29 |
| 31) Naphthalene                | 7.95  | 128 | 1797120 | 77.458 | ng | 99   |
| 32) Benzoic acid               | 7.73  | 122 | 2348    | 8.365  | ng | # 1  |
| 33) 4-Chloroaniline            | 7.95  | 127 | 242610  | 25.729 | ng | # 37 |
| 37) 2-Methylnaphthalene        | 8.64  | 142 | 1307116 | 93.007 | ng | 97   |
| 45) 1,1'-Biphenyl              | 9.09  | 154 | 39709   | 2.195  | ng | 99   |
| 47) 2-Nitroaniline             | 9.25  | 65  | 10288   | 2.075  | ng | # 30 |
| 49) Dimethylphthalate          | 9.39  | 163 | 138658  | 8.863  | ng | 100  |
| 53) 2,4-Dinitrophenol          | 9.72  | 184 | 108     | 8.588  | ng | # 1  |
| 57) Fluorene                   | 10.22 | 166 | 34571   | 2.597  | ng | # 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198 | 246     | 5.086  | ng | # 1  |
| 65) n-Nitrosodiphenylamine     | 10.33 | 169 | 32878   | 3.413  | ng | # 52 |
| 66) 4-Bromophenyl-phenylether  | 10.46 | 248 | 9878    | 3.508  | ng | # 1  |
| 70) Phenanthrene               | 11.17 | 178 | 164761  | 10.477 | ng | 97   |
| 71) Anthracene                 | 11.17 | 178 | 164761  | 10.204 | ng | 98   |
| 74) Fluoranthene               | 12.36 | 202 | 155886  | 9.902  | ng | 97   |
| 77) Pyrene                     | 12.59 | 202 | 133344  | 6.823  | ng | 98   |
| 80) Benzo(a)anthracene         | 13.77 | 228 | 59568   | 4.101  | ng | 94   |
| 82) Chrysene                   | 13.81 | 228 | 60042   | 4.090  | ng | # 95 |
| 85) Indeno(1,2,3-cd)pyrene     | 16.52 | 276 | 29611   | 2.875  | ng | 92   |
| 87) Benzo(b)fluoranthene       | 14.79 | 252 | 106778  | 7.420  | ng | # 94 |
| 88) Benzo(k)fluoranthene       | 14.79 | 252 | 106778  | 7.948  | ng | 98   |
| 89) Benzo(a)pyrene             | 15.13 | 252 | 42449   | 3.311  | ng | # 84 |
| 91) Benzo(g,h,i)perylene       | 16.92 | 276 | 33612   | 3.583  | ng | 97   |

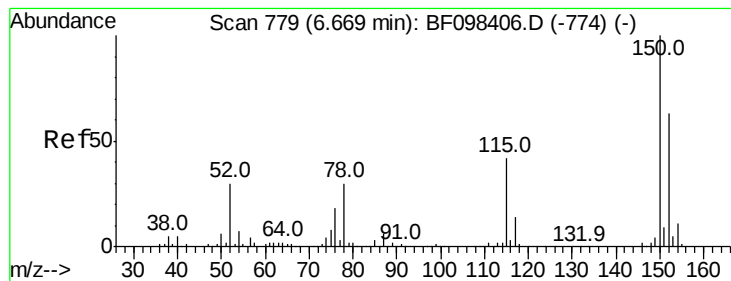
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\  
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Misc :  
ALS Vial : 39 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

Quant Time: Sep 19 07:59:09 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 18 13:37:24 2017  
Response via : Initial Calibration



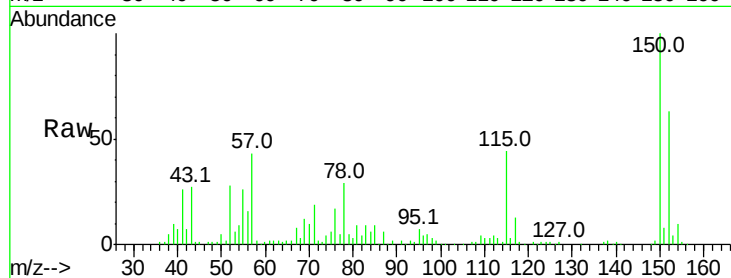


#1

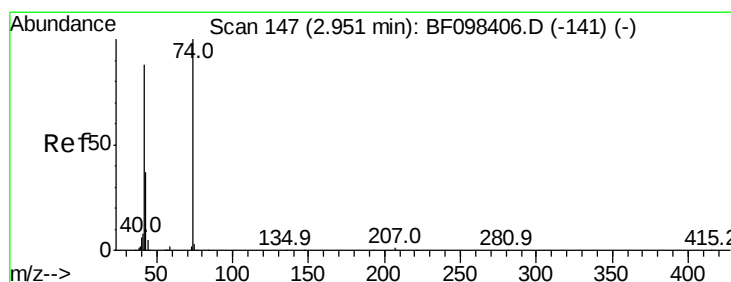
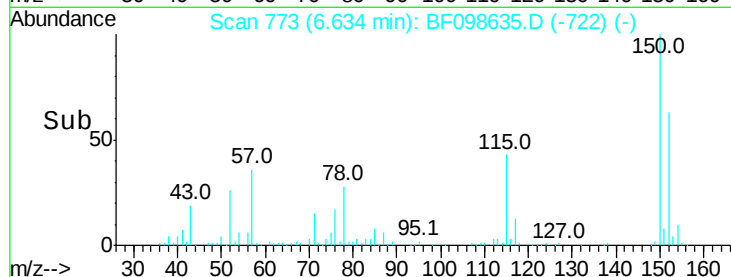
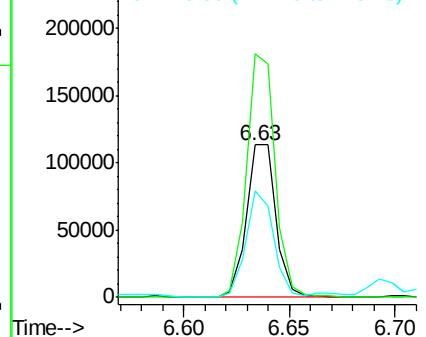
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.63 min Scan# 773  
Delta R.T. 0.00 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 108533  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.2 189.2  
115 69.5 52.2 78.2



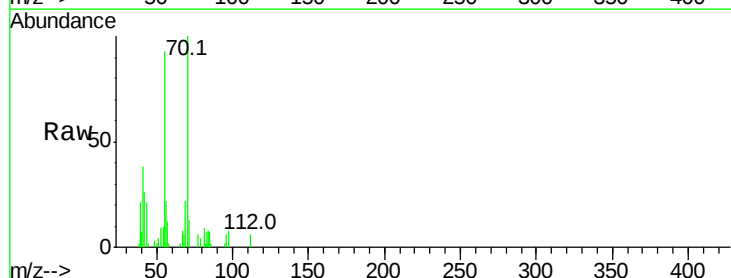
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



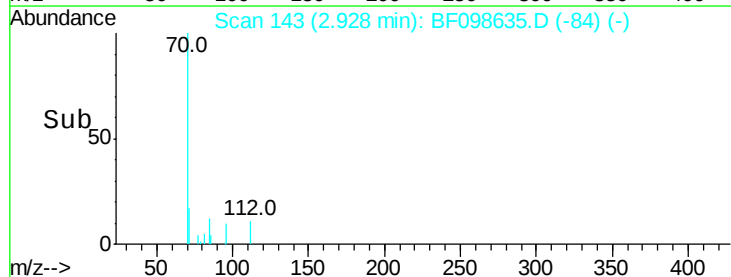
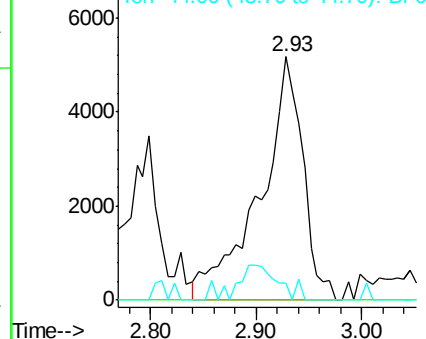
#4

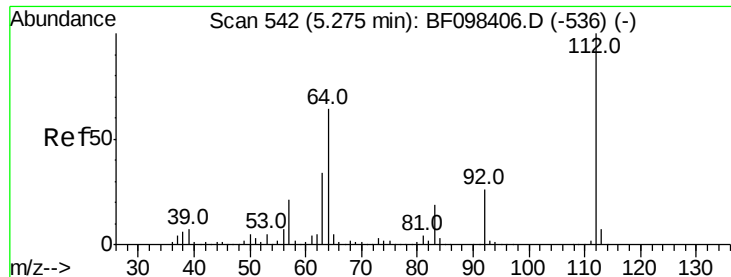
n-Nitrosodimethylamine  
Concen: 2.931 ng  
RT: 2.93 min Scan# 143  
Delta R.T. 0.05 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion: 42 Resp: 14459  
Ion Ratio Lower Upper  
42 100  
74 0.0 103.9 155.9#  
44 6.8 5.7 8.5



Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 125.738 ng

RT: 5.25 min Scan# 538

Delta R.T. 0.01 min

Lab File: BF098635.D

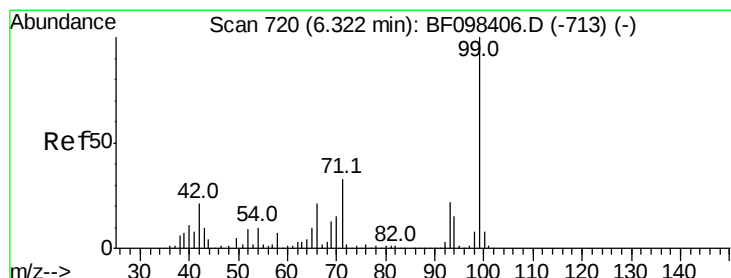
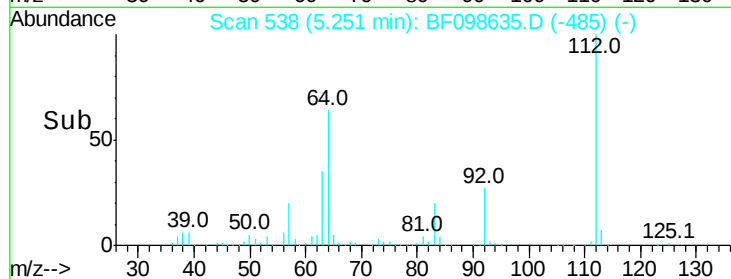
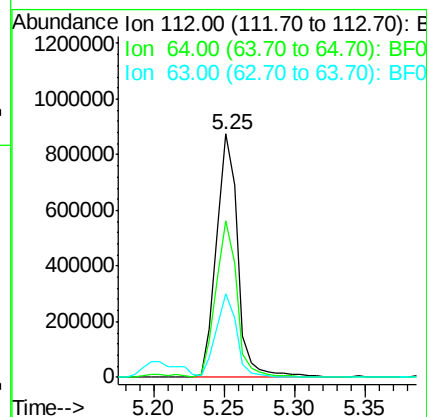
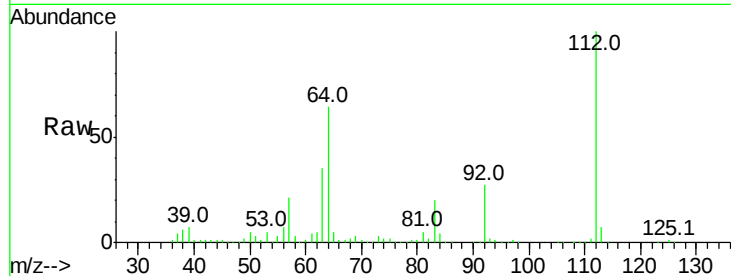
Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 922997 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 64.5  | 46.0  | 69.0   |
| 63       | 34.6  | 23.4  | 35.0   |



#7

Phenol-d6

Concen: 110.073 ng

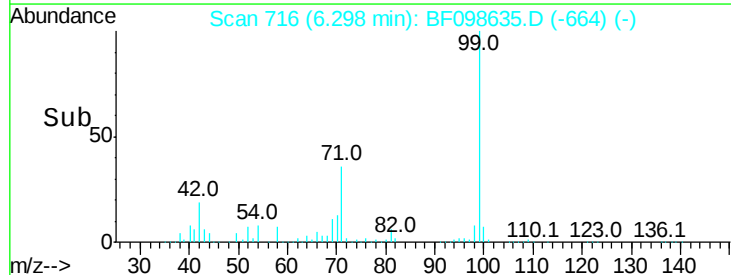
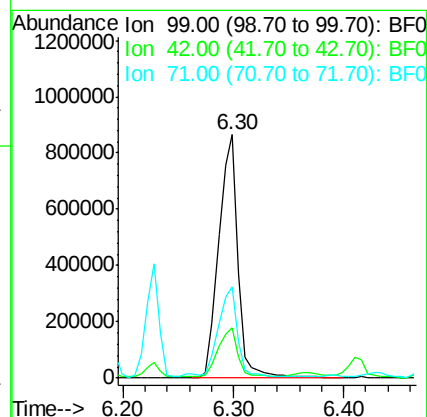
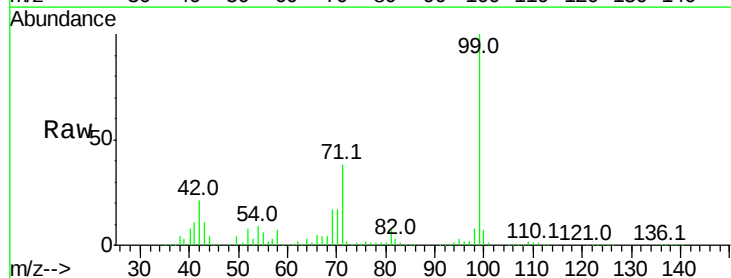
RT: 6.30 min Scan# 716

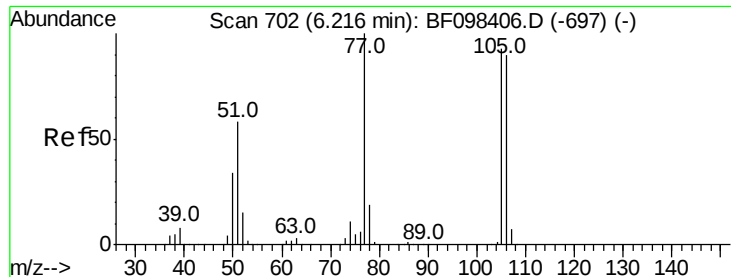
Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 99    | Resp: | 1025900 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 20.6  | 13.5  | 20.3#   |
| 71       | 37.7  | 24.5  | 36.7#   |





#9

Benzaldehyde

Concen: 6.056 ng

RT: 6.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampleId :

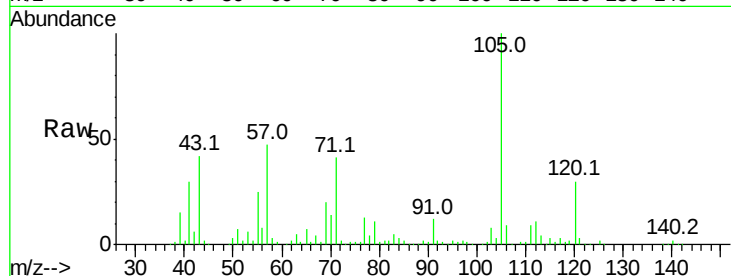
Tot Ion: 77 Resp: 36895

Ion Ratio Lower Upper

77 100

105 745.3 83.8 123.8#

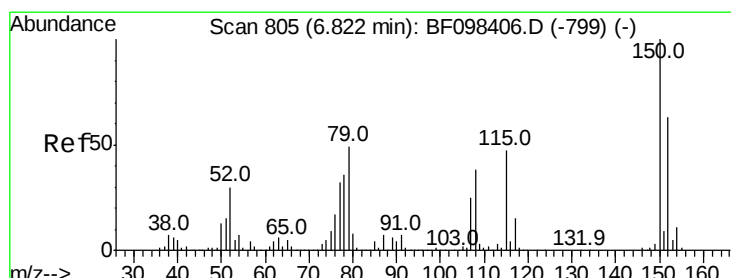
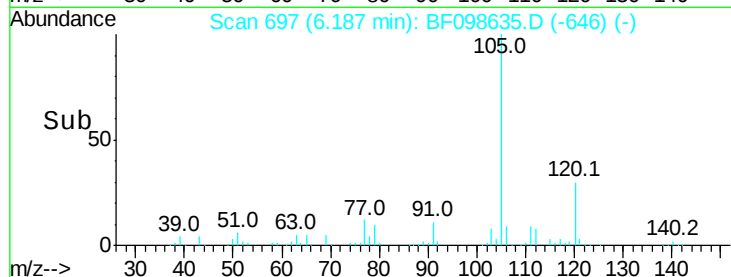
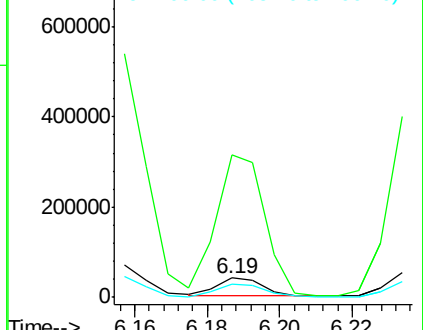
106 66.8 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 4.275 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

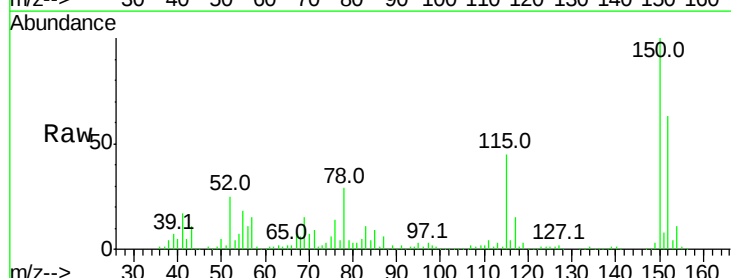
Tgt Ion: 79 Resp: 26516

Ion Ratio Lower Upper

79 100

108 27.8 63.4 95.0#

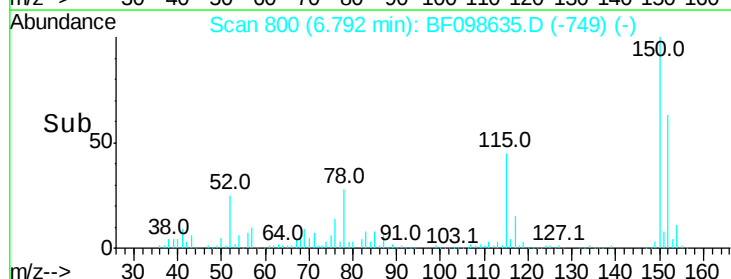
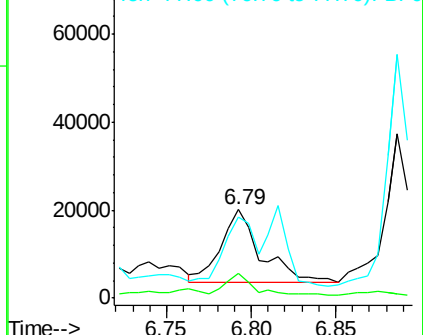
77 91.2 49.2 73.8#

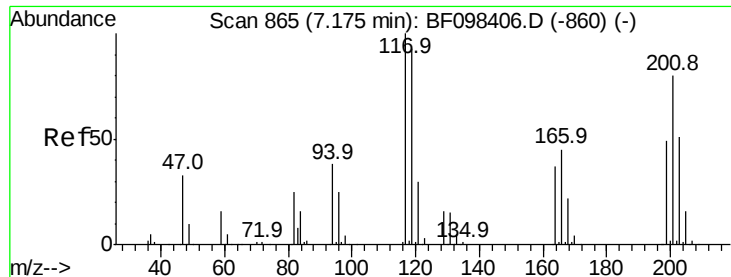


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 5.061 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.04 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampled :

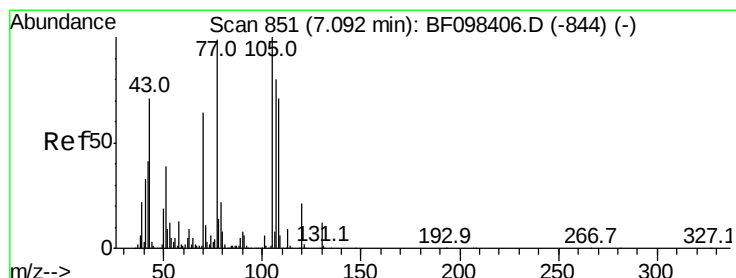
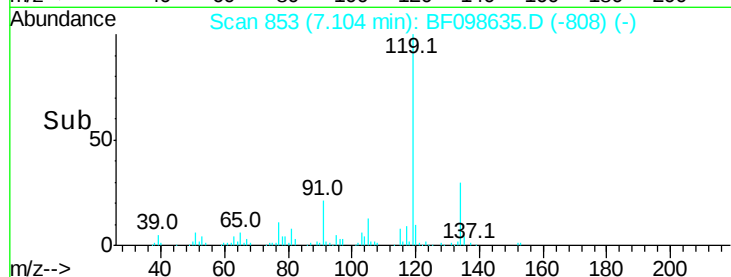
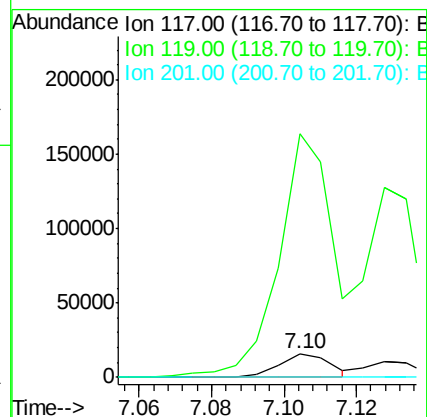
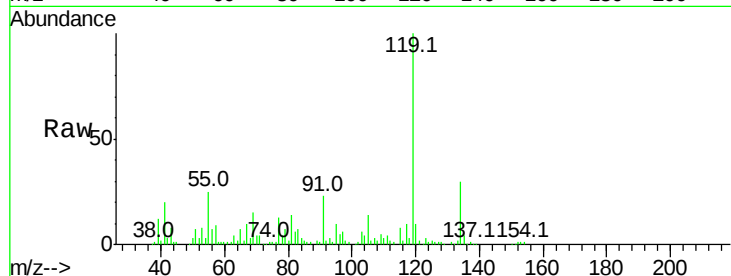
Tot Ion:117 Resp: 16130

Ion Ratio Lower Upper

117 100

119 1025.5 77.4 116.0#

201 0.0 94.6 141.8#



#19

n-Nitroso-di-n-propylamine

Concen: 3.975 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion: 70 Resp: 23306

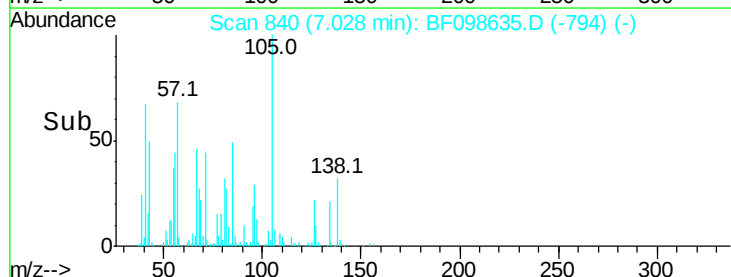
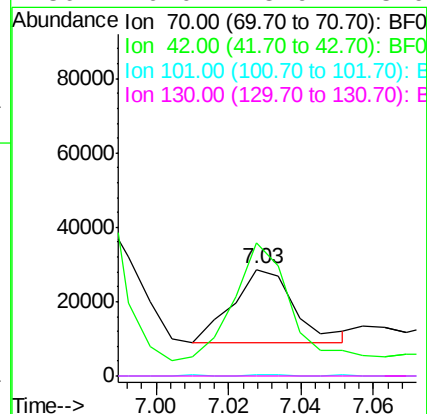
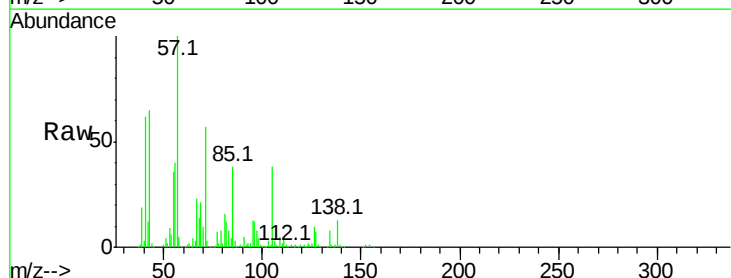
Ion Ratio Lower Upper

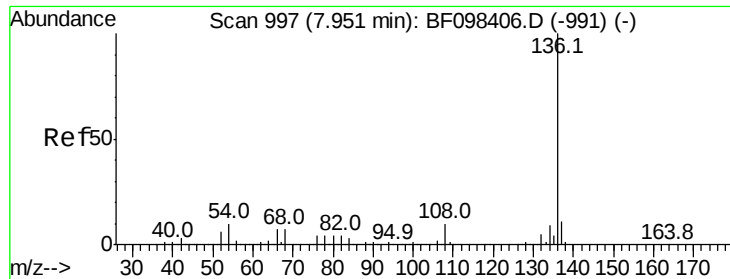
70 100

42 125.0 47.2 70.8#

101 1.1 7.2 10.8#

130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 469326

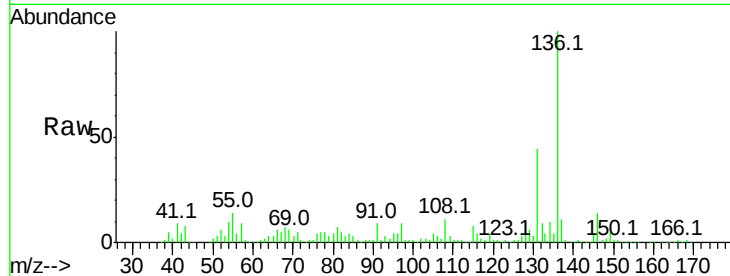
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.0 4.9 7.3#

68 7.0 4.1 6.1#

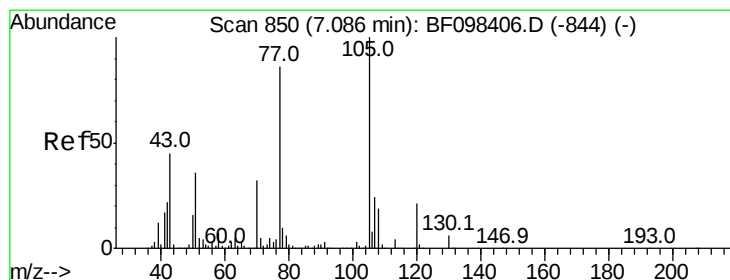
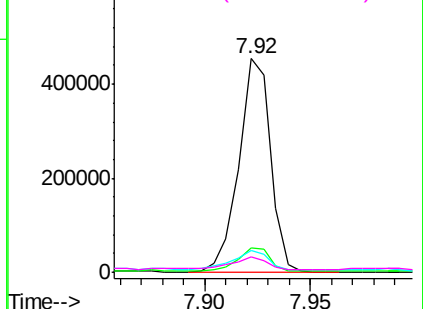
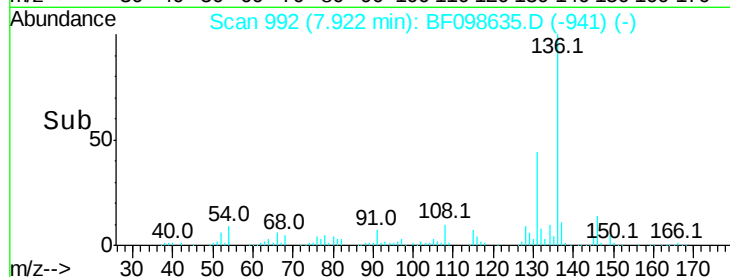


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 12.365 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion:105 Resp: 149982

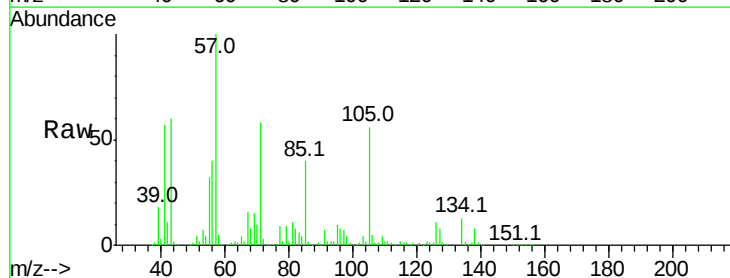
Ion Ratio Lower Upper

105 100

71 104.2 2.8 4.2#

51 7.0 30.7 46.1#

120 0.4 17.4 26.0#

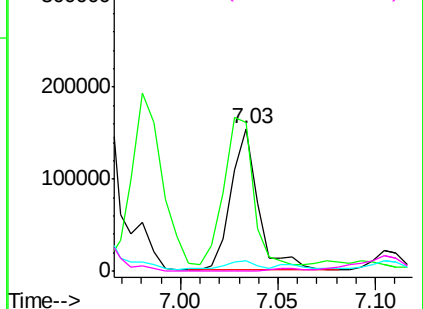
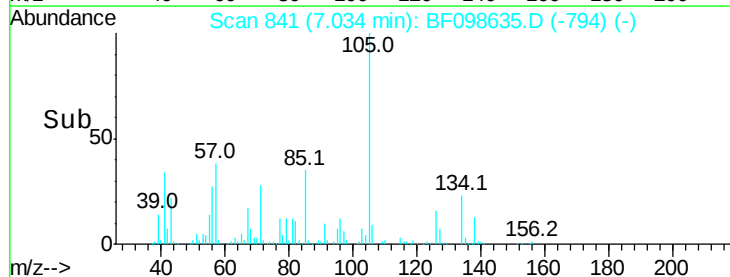


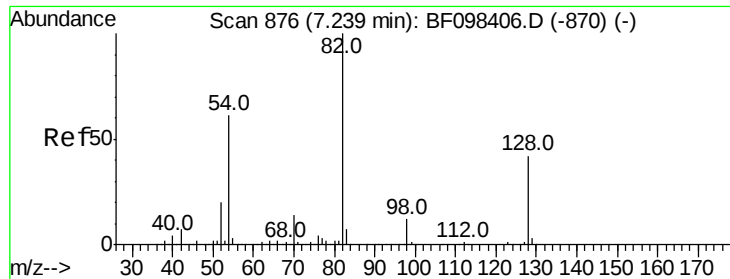
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

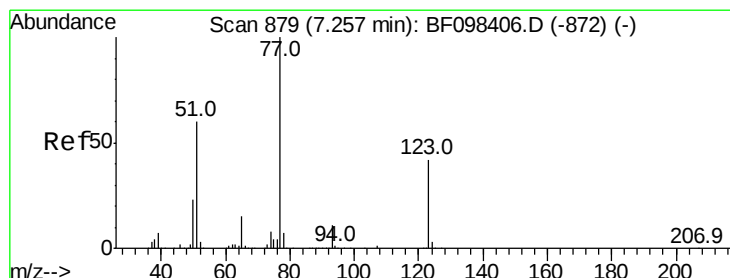
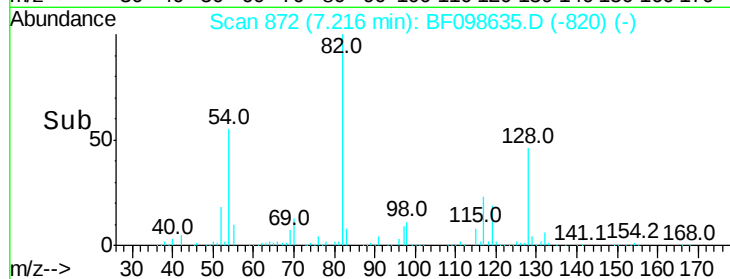
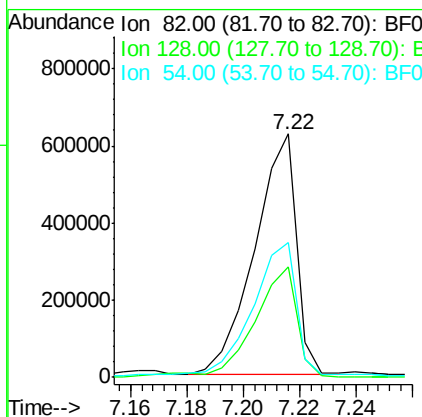
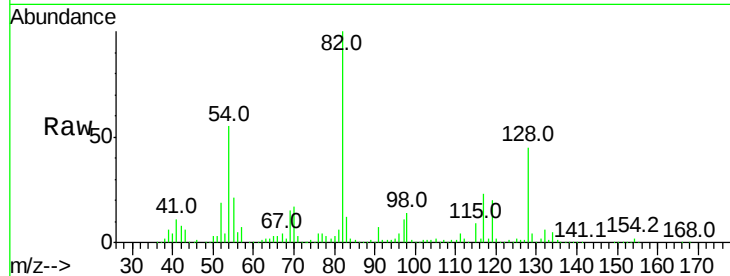




#23  
 Nitrobenzene-d5  
 Concen: 75.834 ng  
 RT: 7.22 min Scan# 872  
 Delta R.T. 0.01 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

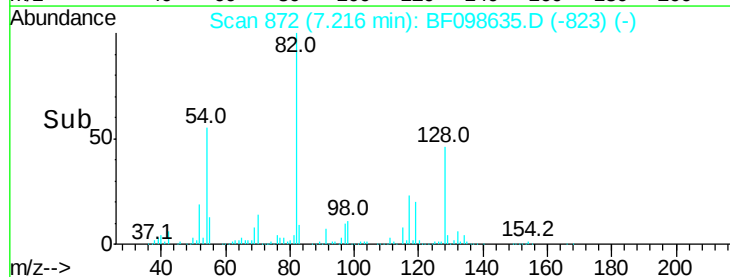
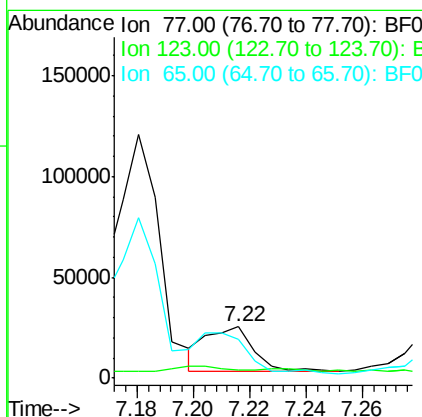
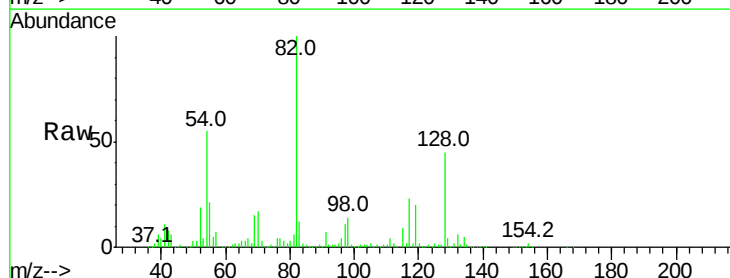
Instrument :  
 BNA\_F  
 ClientSampleId :

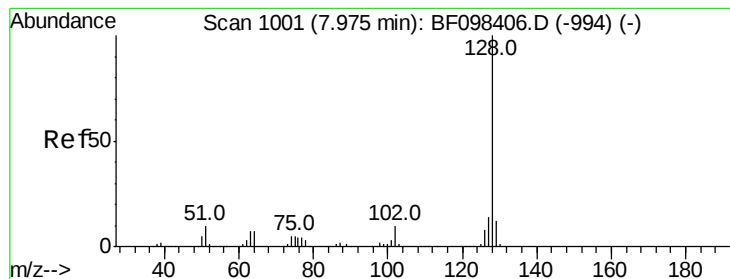
| Tot Ion   | 82   | Resp  | 638407 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.3 | 34.0  | 51.0   |
| 54        | 55.3 | 42.2  | 63.2   |



#24  
 Nitrobenzene  
 Concen: 2.755 ng  
 RT: 7.22 min Scan# 872  
 Delta R.T. -0.01 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

| Tgt Ion   | 77   | Resp  | 26416 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 14.9 | 35.8  | 53.8# |
| 65        | 75.7 | 10.6  | 15.8# |





#31

Naphthalene

Concen: 77.458 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

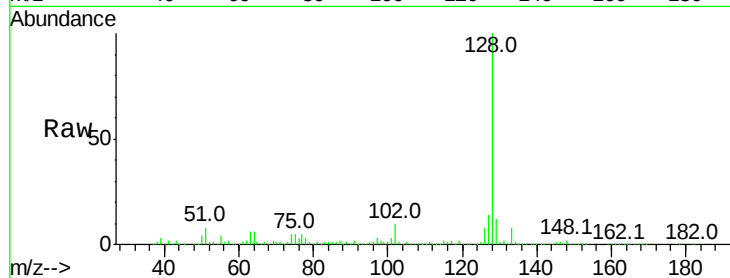
Instrument :

BNA\_F

ClientSampled :

Tot Ion:128 Resp: 1797120

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.6  | 9.0   | 13.6  |
| 127 | 13.7  | 10.8  | 16.2  |

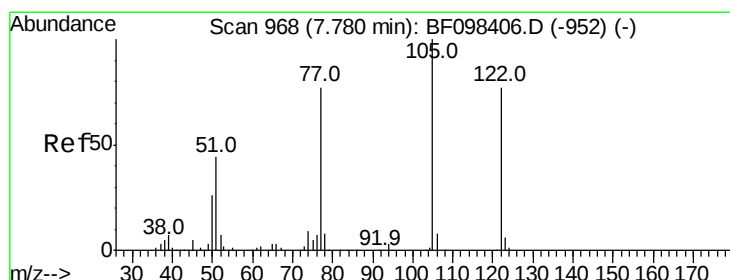
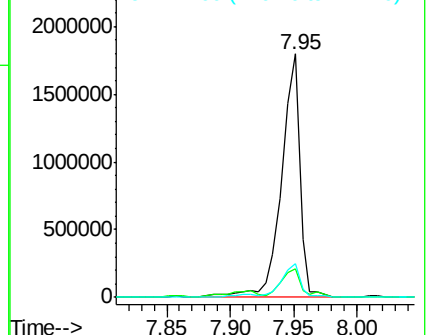
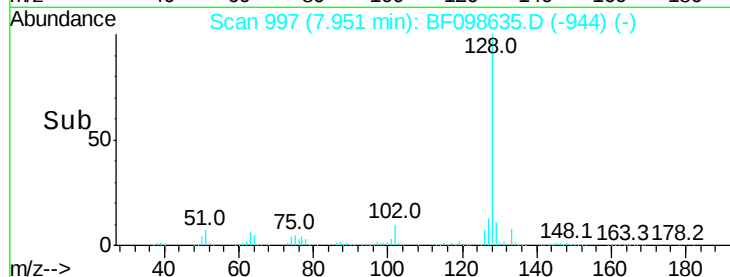


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.365 ng

RT: 7.73 min Scan# 960

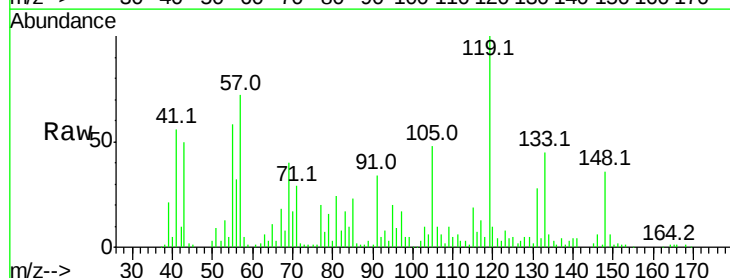
Delta R.T. -0.02 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion:122 Resp: 2348

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 122 | 100    |       |        |
| 105 | 1601.9 | 103.3 | 143.3# |
| 77  | 662.8  | 73.7  | 113.7# |

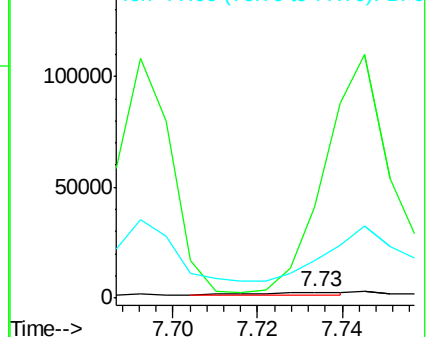
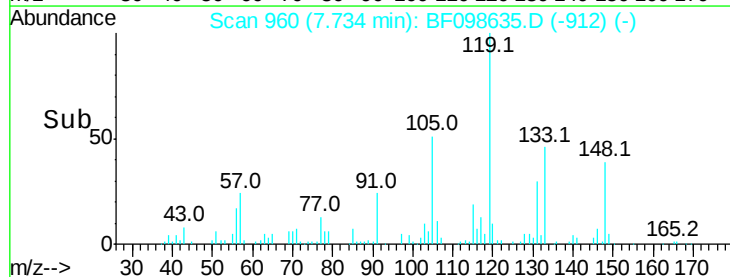


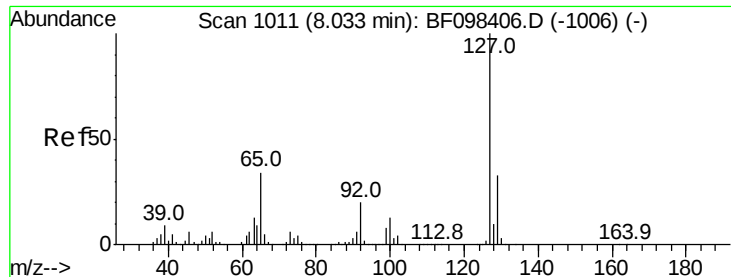
Abundance

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

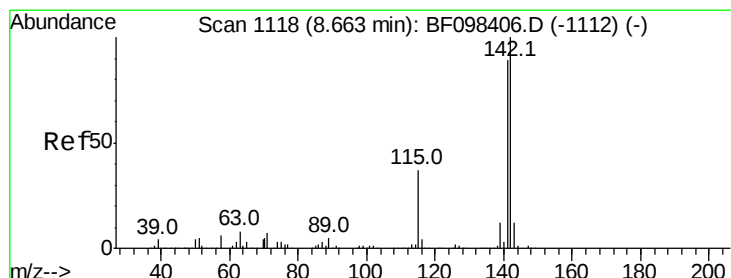
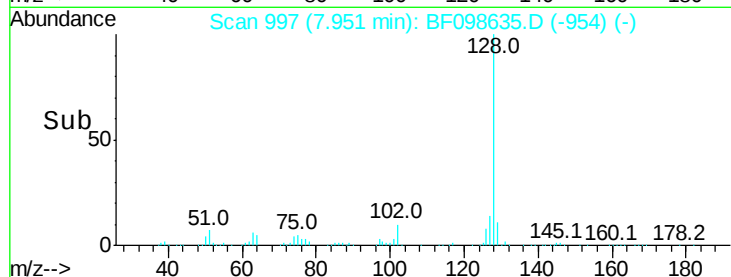
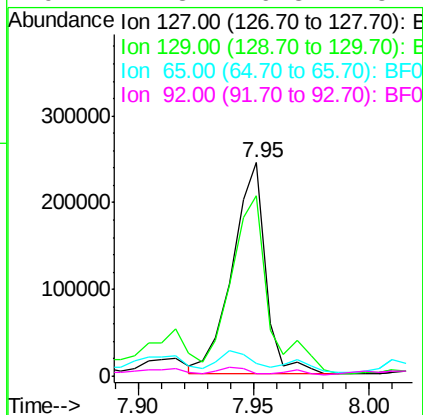
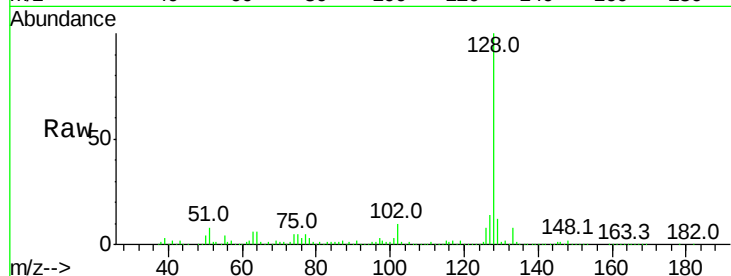




#33  
4-Chloroaniline  
Concen: 25.729 ng  
RT: 7.95 min Scan# 997  
Delta R.T. -0.05 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

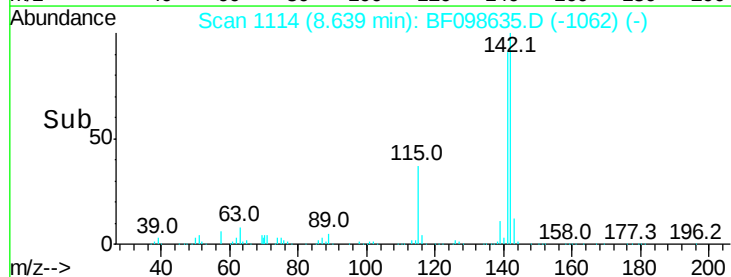
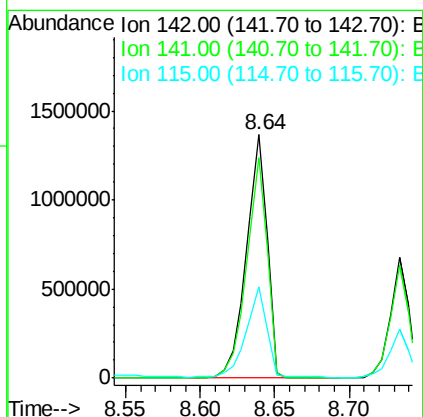
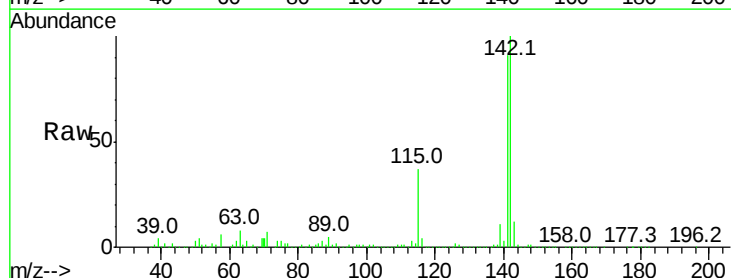
Instrument :  
BNA\_F  
ClientSampleId :

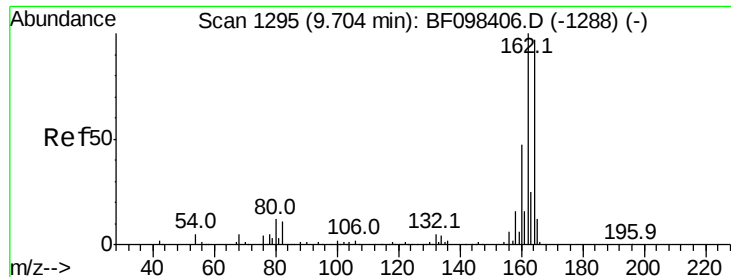
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 242610 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 84.4  | 26.2  | 39.2#  |
| 65       | 6.3   | 27.8  | 41.8#  |
| 92       | 1.3   | 16.8  | 25.2#  |



#37  
2-Methylnaphthalene  
Concen: 93.007 ng  
RT: 8.64 min Scan# 1114  
Delta R.T. 0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 142   | Resp: | 1307116 |
| Ion      | Ratio | Lower | Upper   |
| 142      | 100   |       |         |
| 141      | 90.6  | 71.3  | 106.9   |
| 115      | 37.4  | 27.1  | 40.7    |

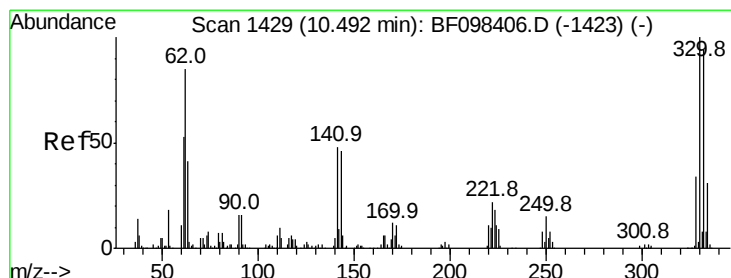
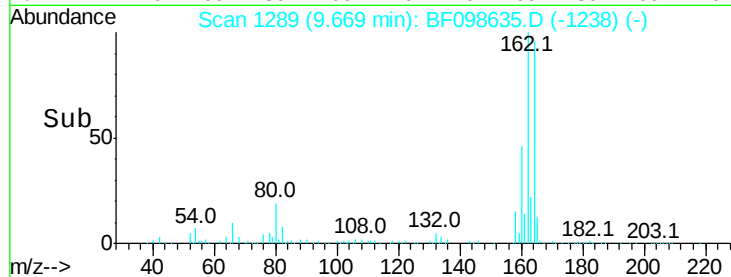
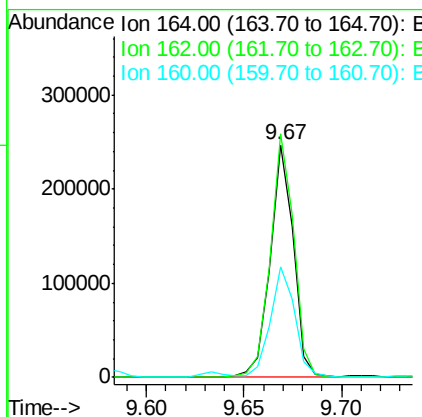
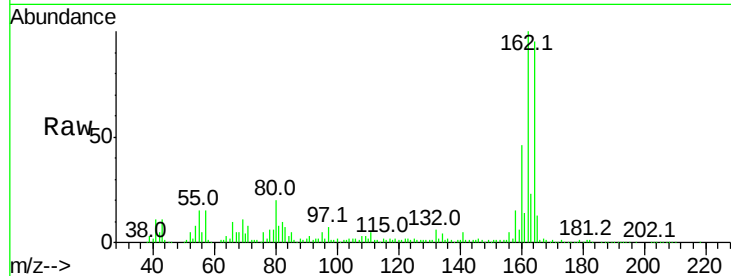




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.67 min Scan# 1289  
 Delta R.T. 0.00 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

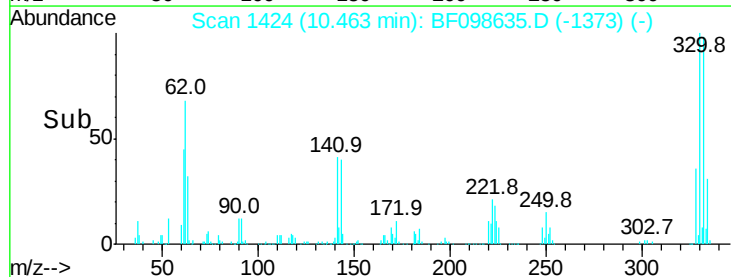
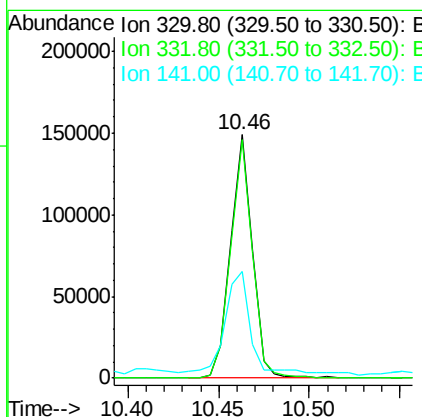
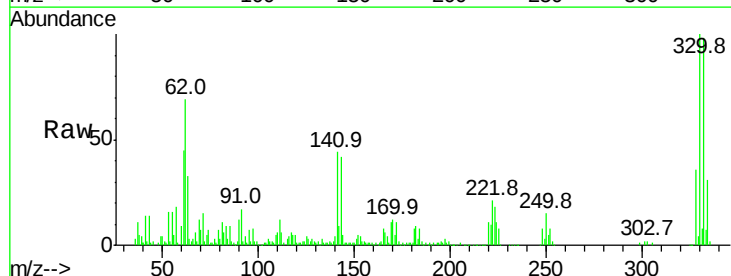
Instrument :  
 BNA\_F  
 ClientSampleId :

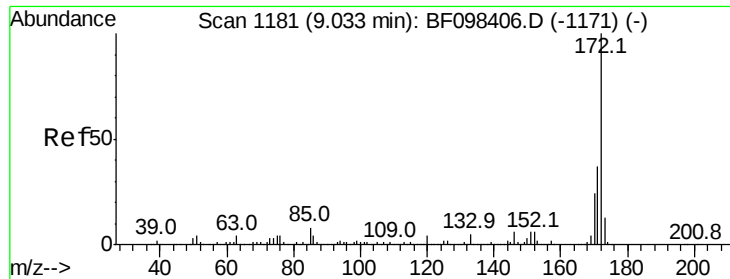
Tot Ion:164 Resp: 202098  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 82.6 123.8  
 160 47.9 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 93.751 ng  
 RT: 10.46 min Scan# 1424  
 Delta R.T. 0.00 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

Tgt Ion:330 Resp: 126455  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 76.6 115.0  
 141 47.2 31.4 47.2#

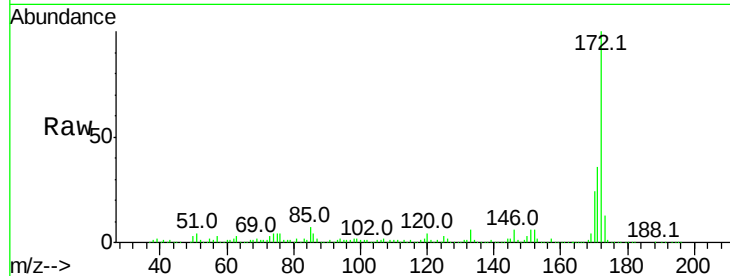




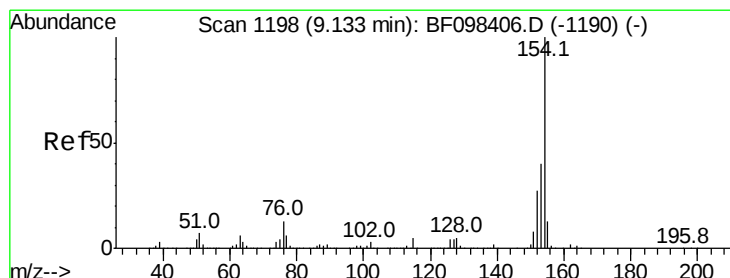
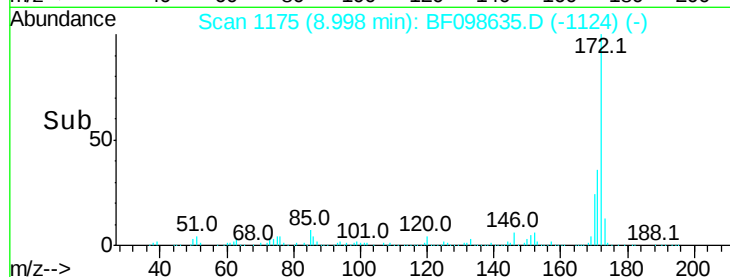
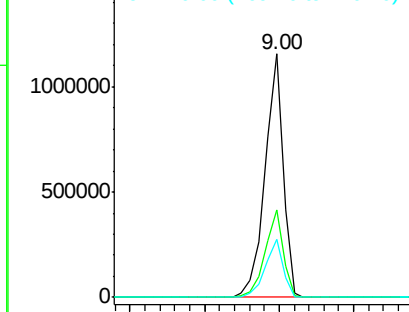
#44  
2-Fluorobiphenyl  
Concen: 80.414 ng  
RT: 9.00 min Scan# 1175  
Delta R.T. 0.00 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.6  | 44.4  |
| 170     | 23.6  | 19.8  | 29.8  |

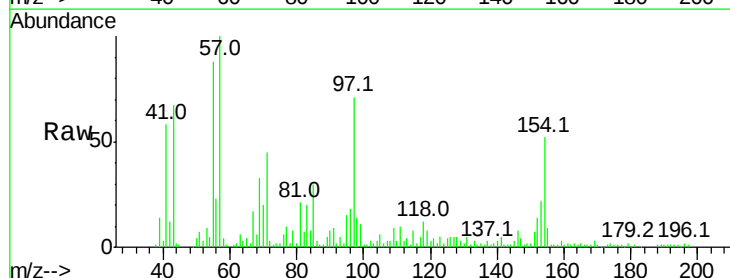


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

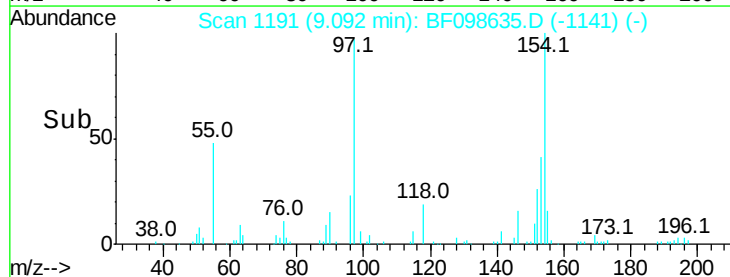
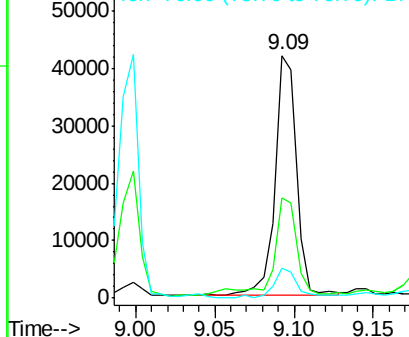


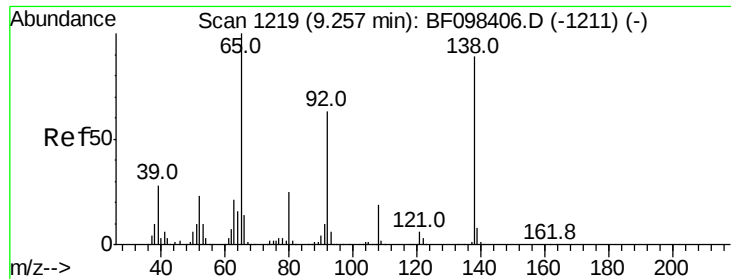
#45  
1,1'-Biphenyl  
Concen: 2.195 ng  
RT: 9.09 min Scan# 1191  
Delta R.T. -0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 21.2  | 61.2  |
| 76      | 12.3  | 0.0   | 29.9  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0

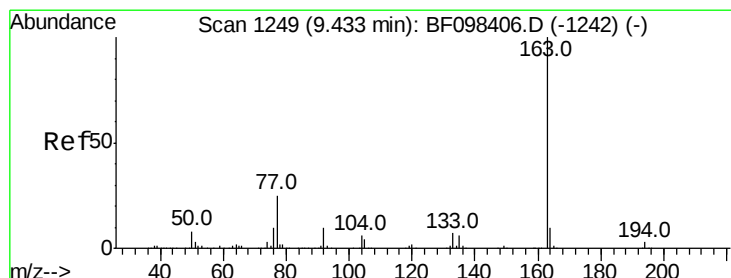
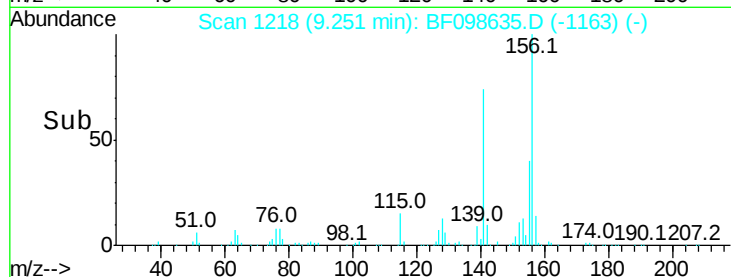
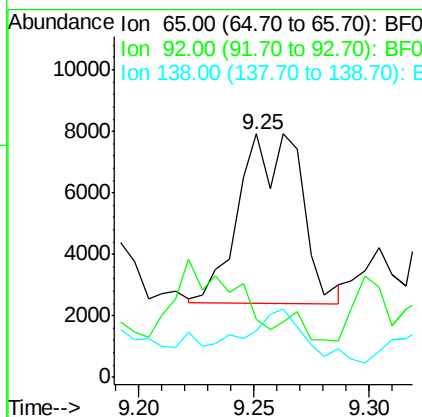
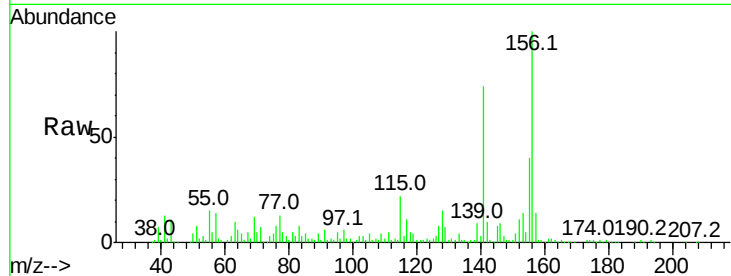




#47  
2-Nitroaniline  
Concen: 2.075 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. 0.02 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

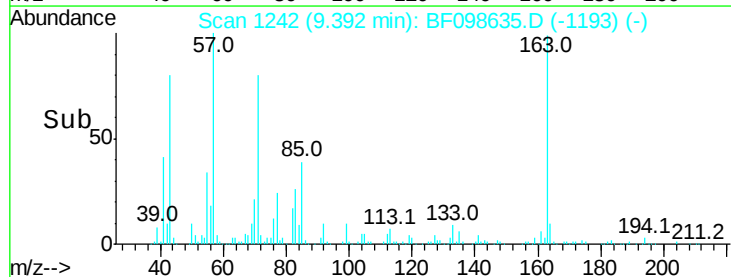
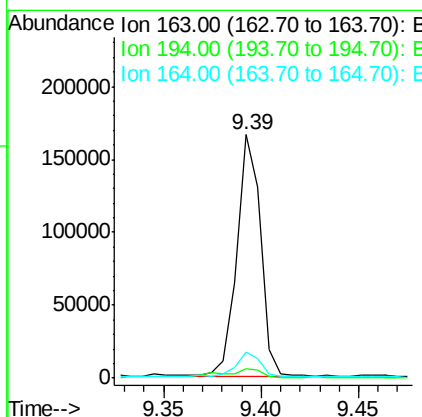
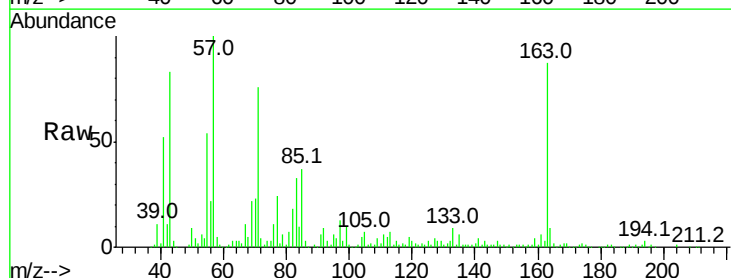
Instrument :  
BNA\_F  
ClientSampled :

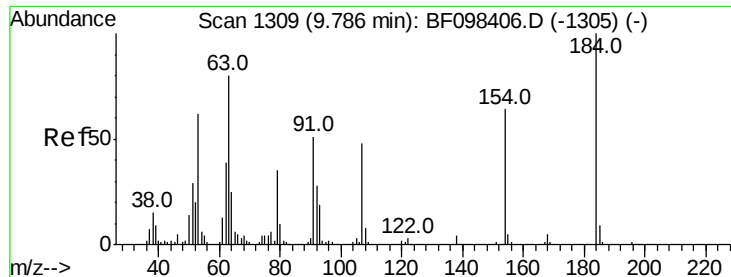
Tot Ion: 65 Resp: 10288  
Ion Ratio Lower Upper  
65 100  
92 23.8 53.9 80.9#  
138 19.0 78.8 118.2#



#49  
Dimethylphthalate  
Concen: 8.863 ng  
RT: 9.39 min Scan# 1242  
Delta R.T. -0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion: 163 Resp: 138658  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.6 4.0  
164 10.5 8.4 12.6

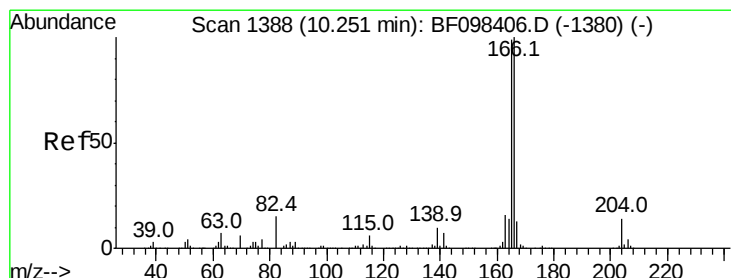
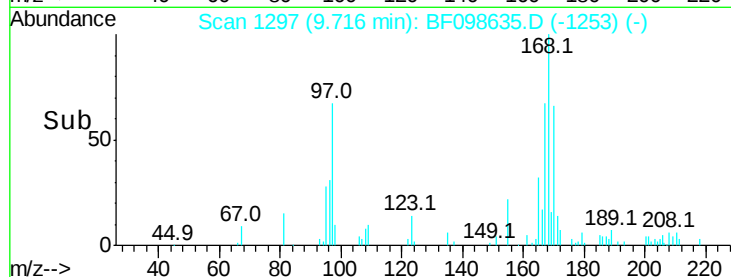
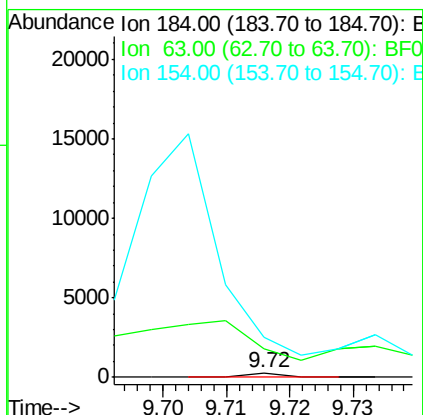
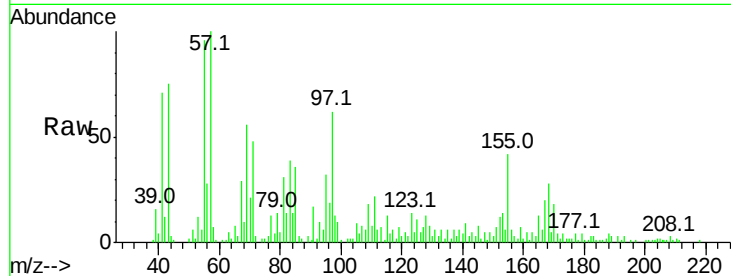




#53  
2,4-Dinitrophenol  
Concen: 8.588 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.04 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

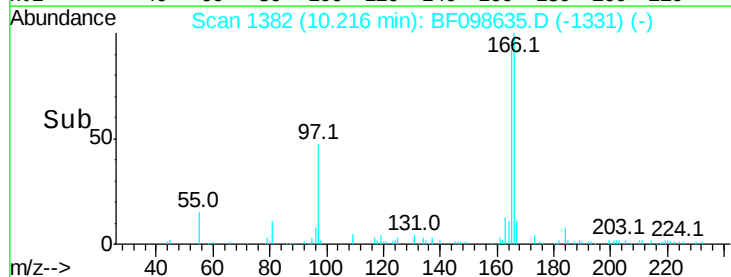
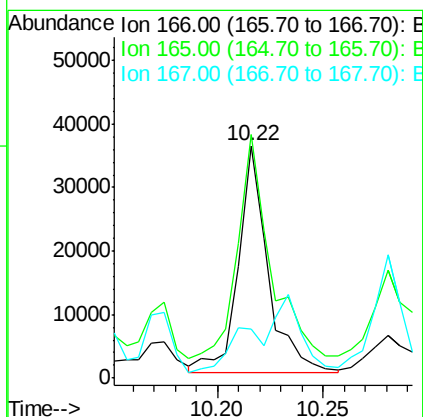
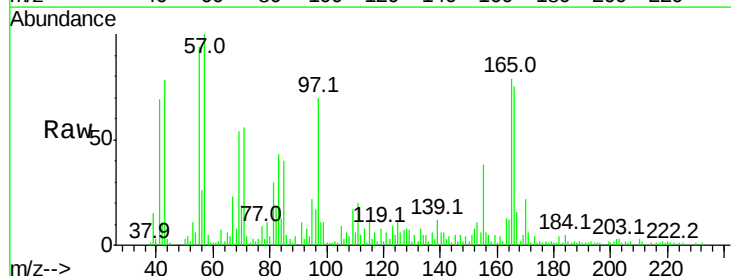
Instrument :  
BNA\_F  
ClientSampleId :

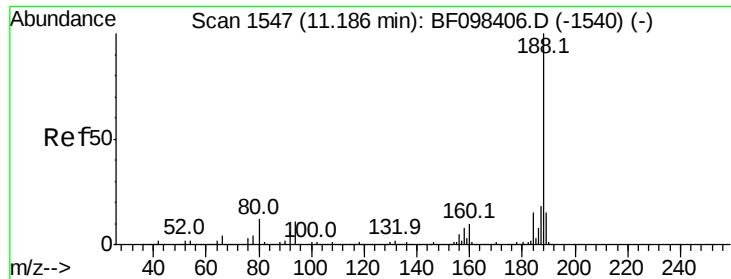
Tot Ion:184 Resp: 108  
Ion Ratio Lower Upper  
184 100  
63 598.4 62.7 94.1#  
154 830.8 81.1 121.7#



#57  
Fluorene  
Concen: 2.597 ng  
RT: 10.22 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion:166 Resp: 34571  
Ion Ratio Lower Upper  
166 100  
165 104.8 78.8 118.2  
167 21.2 10.6 16.0#

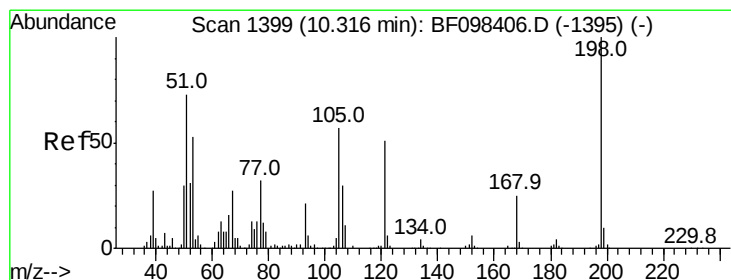
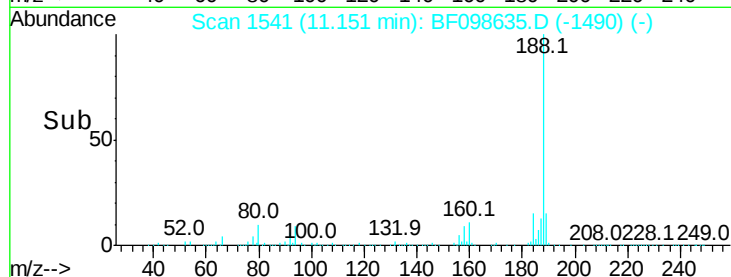
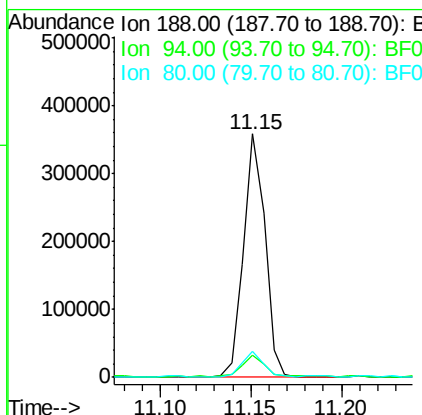
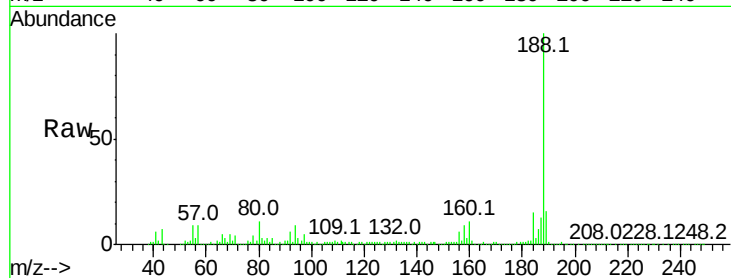




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.15 min Scan# 1541  
 Delta R.T. 0.00 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

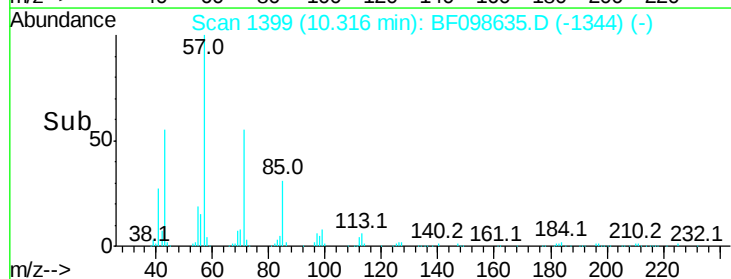
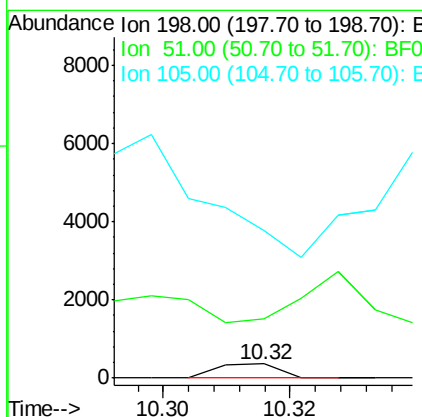
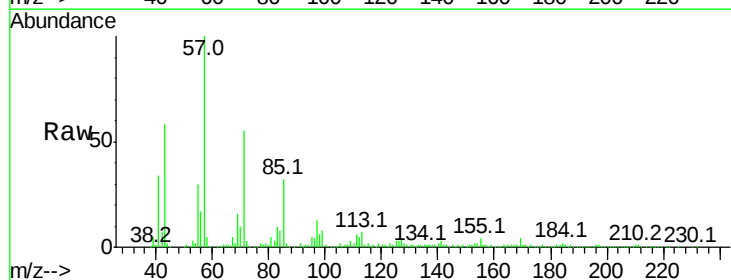
Instrument :  
 BNA\_F  
 ClientSampled :

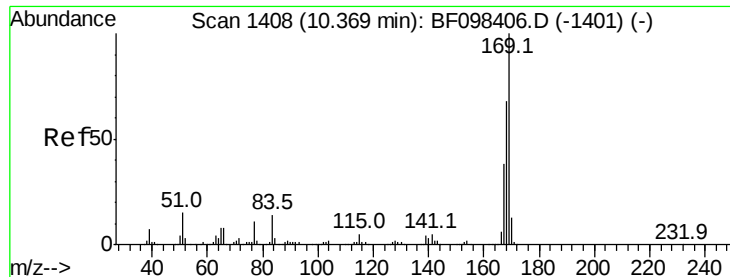
Tot Ion:188 Resp: 296648  
 Ion Ratio Lower Upper  
 188 100  
 94 9.3 9.4 14.2#  
 80 10.8 10.2 15.2



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.086 ng  
 RT: 10.32 min Scan# 1399  
 Delta R.T. 0.02 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

Tgt Ion:198 Resp: 246  
 Ion Ratio Lower Upper  
 198 100  
 51 416.1 53.2 93.2#  
 105 1032.0 45.8 85.8#

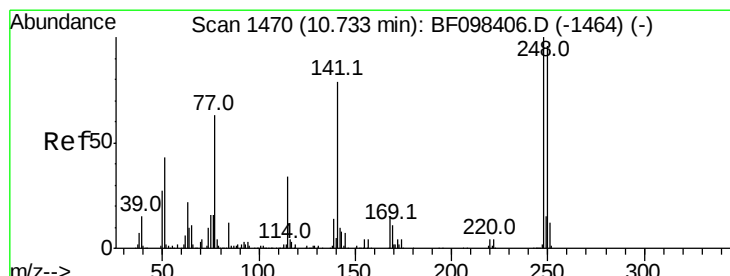
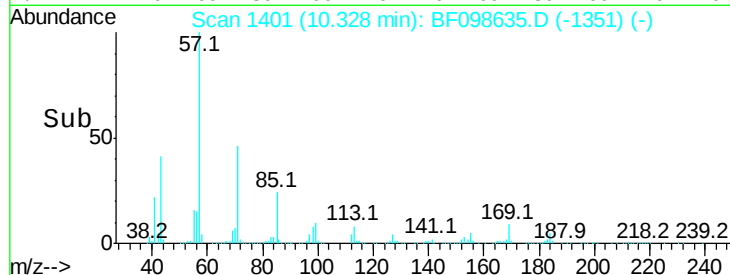
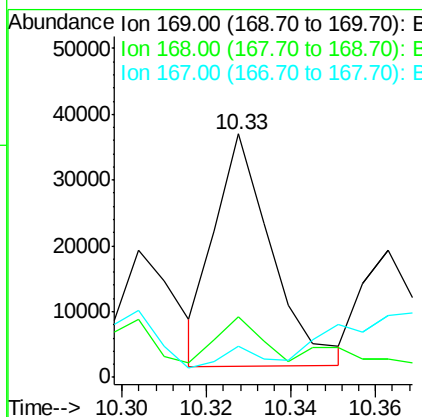
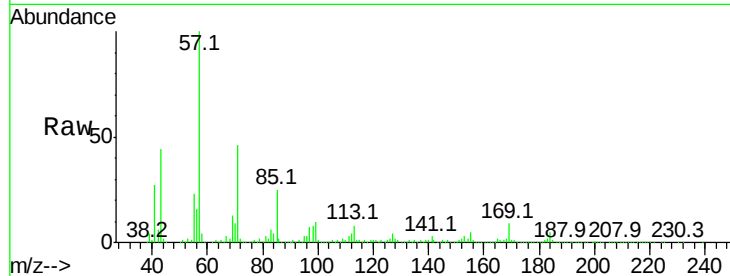




#65  
n-Nitrosodiphenylamine  
Concen: 3.413 ng  
RT: 10.33 min Scan# 1401  
Delta R.T. -0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

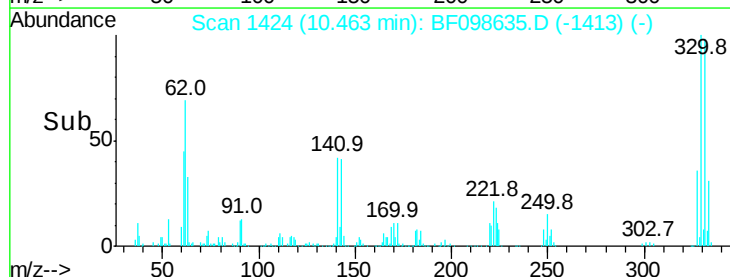
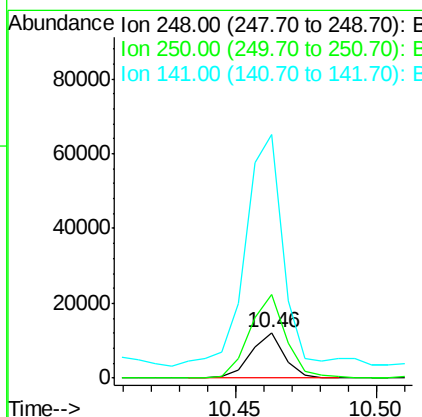
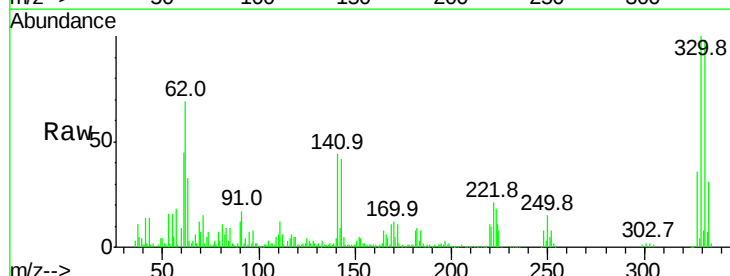
Instrument :  
BNA\_F  
ClientSampled :

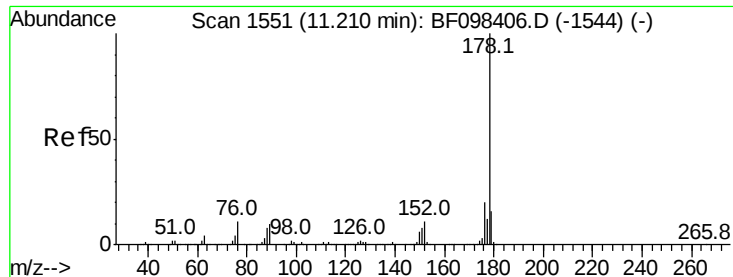
Tot Ion:169 Resp: 32878  
Ion Ratio Lower Upper  
169 100  
168 24.7 53.2 79.8#  
167 12.9 29.5 44.3#



#66  
4-Bromophenyl-phenylether  
Concen: 3.508 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.24 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion:248 Resp: 9878  
Ion Ratio Lower Upper  
248 100  
250 182.4 76.8 115.2#  
141 531.1 68.6 103.0#

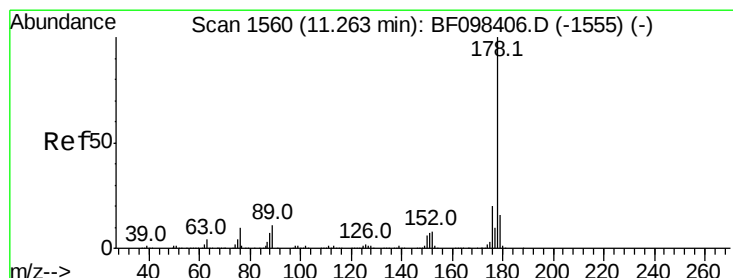
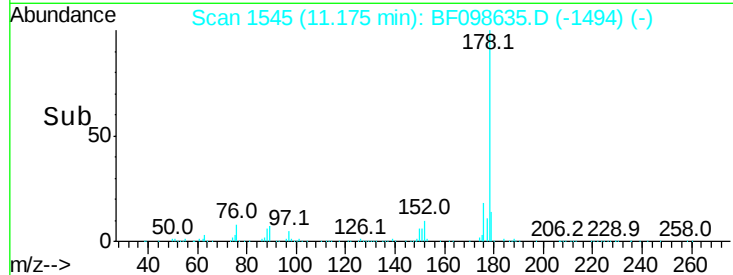
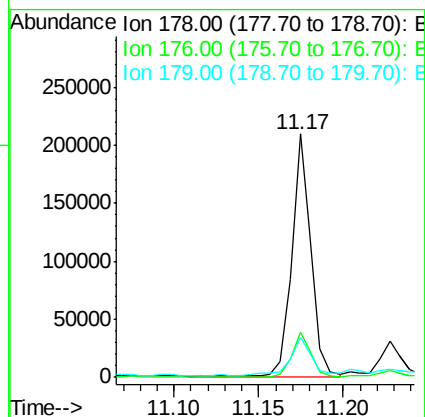
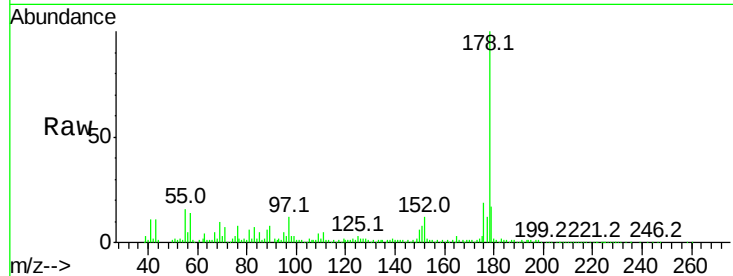




#70  
Phenanthrene  
Concen: 10.477 ng  
RT: 11.17 min Scan# 1545  
Delta R.T. 0.00 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

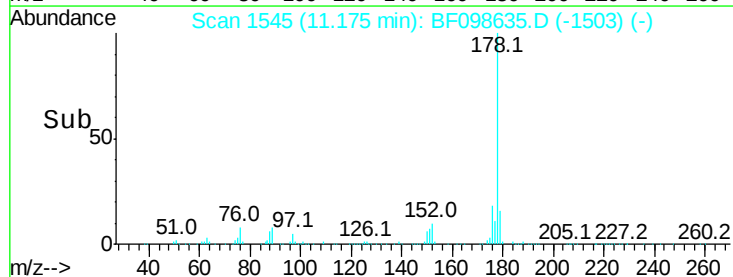
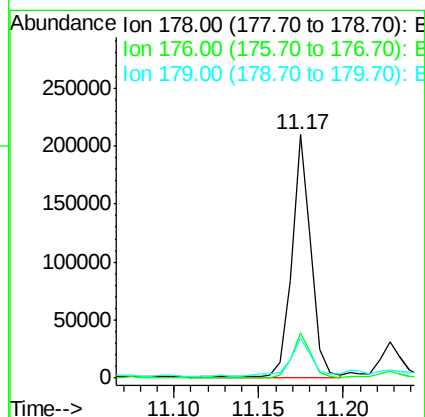
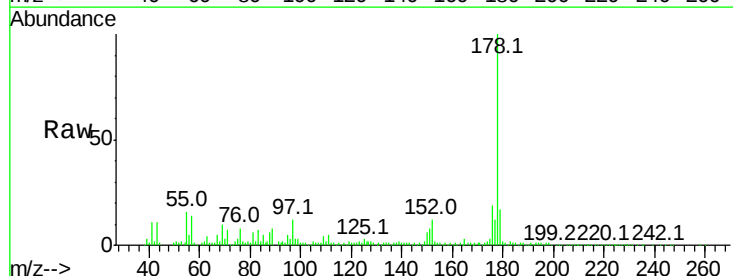
Instrument :  
BNA\_F  
ClientSampleId :

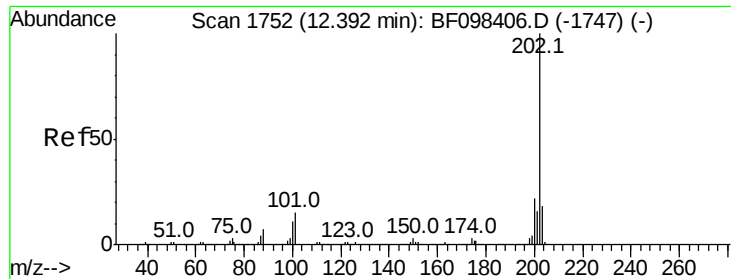
Tot Ion:178 Resp: 164761  
Ion Ratio Lower Upper  
178 100  
176 18.6 16.2 24.4  
179 16.6 12.6 19.0



#71  
Anthracene  
Concen: 10.204 ng  
RT: 11.17 min Scan# 1545  
Delta R.T. -0.05 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion:178 Resp: 164761  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.8 23.8  
179 16.6 12.7 19.1





#74

Fluoranthene

Concen: 9.902 ng

RT: 12.36 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampled :

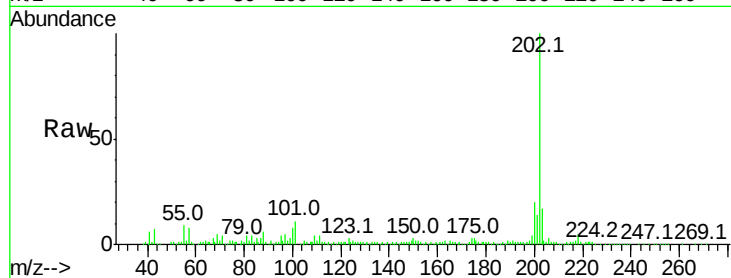
Tot Ion:202 Resp: 155886

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.2

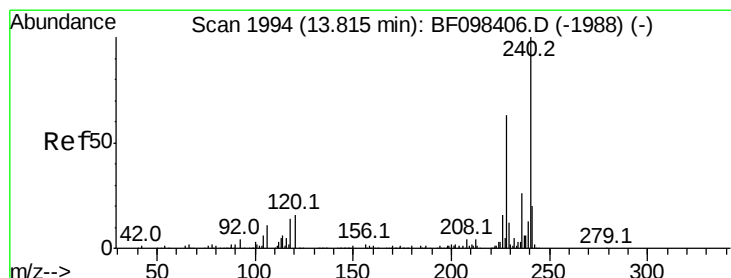
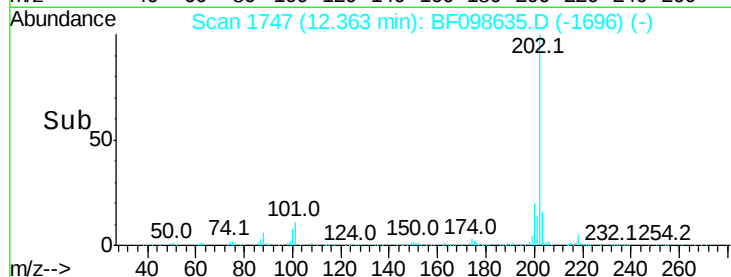
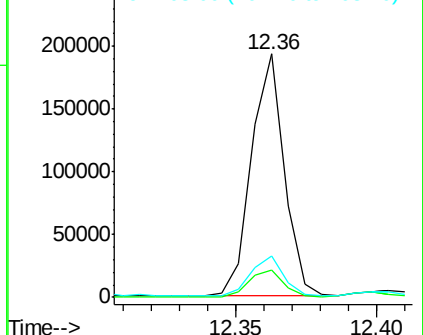
203 16.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

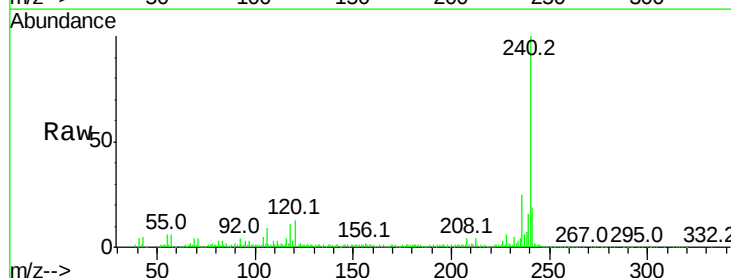
Tgt Ion:240 Resp: 247731

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

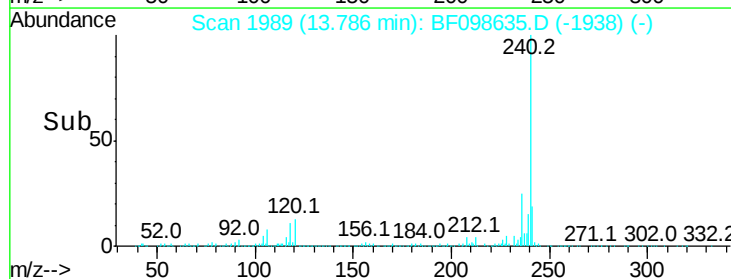
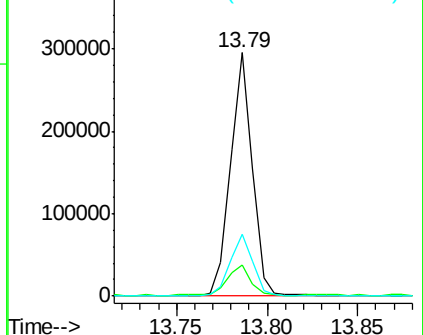
236 25.2 20.5 30.7

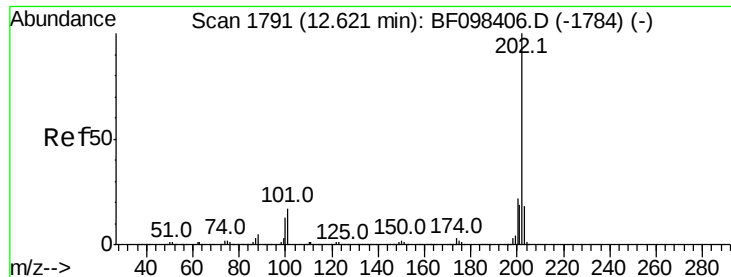


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.823 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampleId :

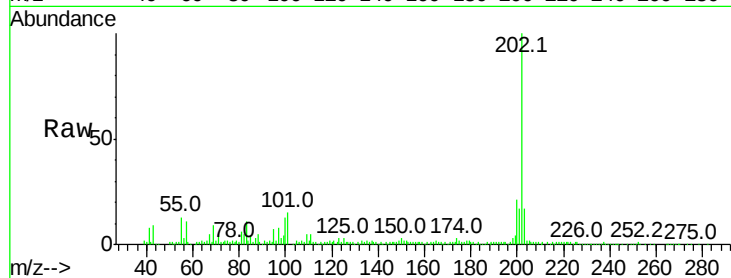
Tot Ion:202 Resp: 133344

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

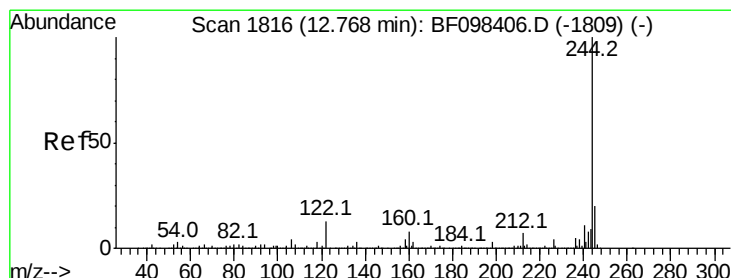
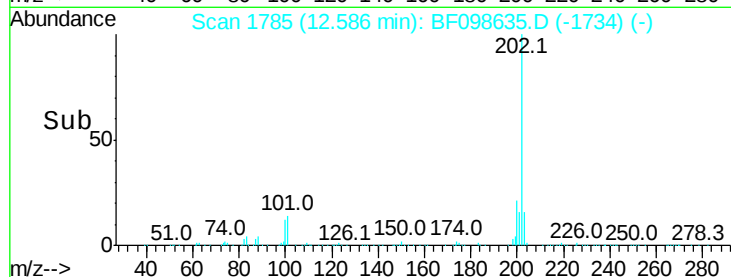
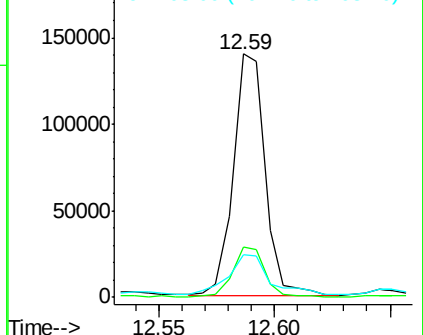
203 17.4 14.4 21.6



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: 60.135 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

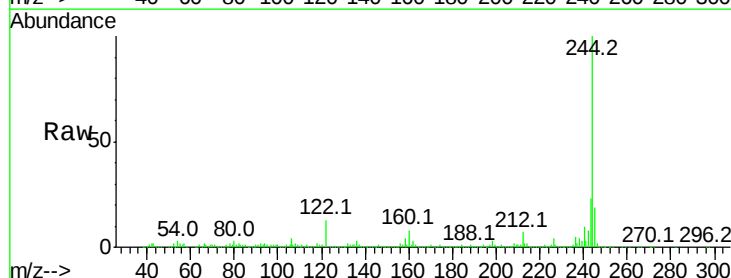
Tgt Ion:244 Resp: 690187

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

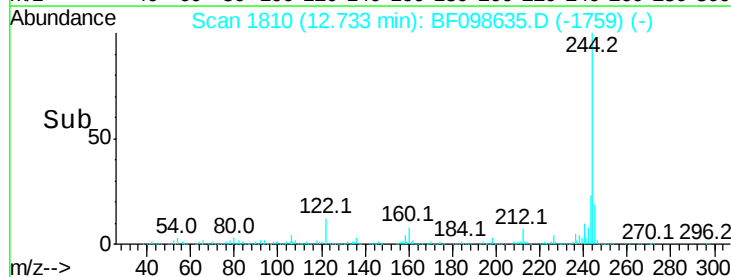
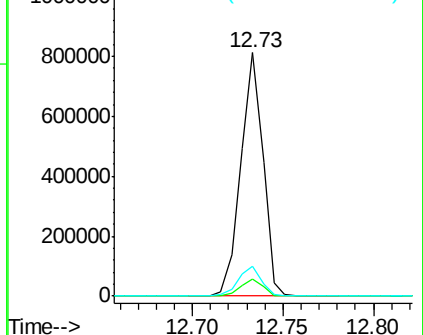
122 12.5 10.3 15.5

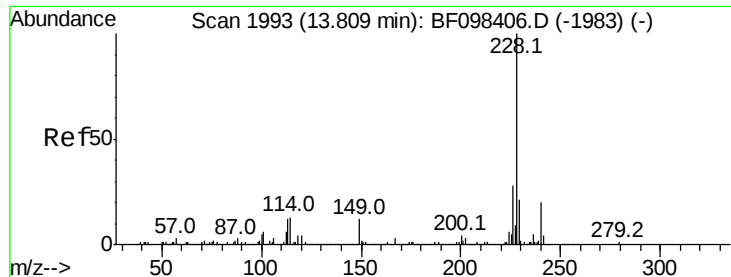


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.101 ng

RT: 13.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA\_F

ClientSampleId :

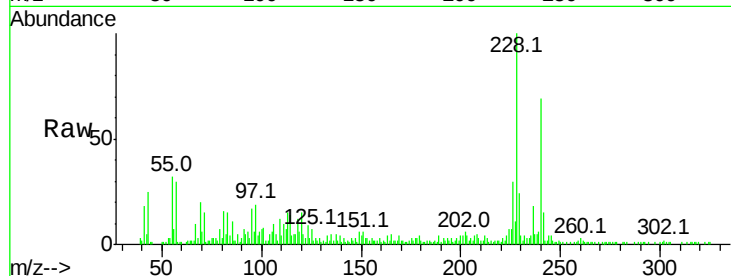
Tot Ion:228 Resp: 59568

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

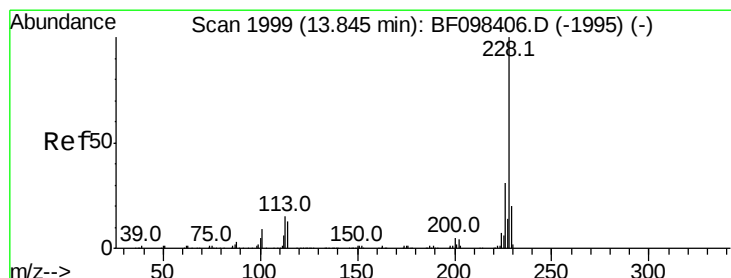
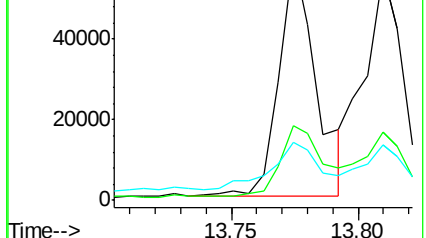
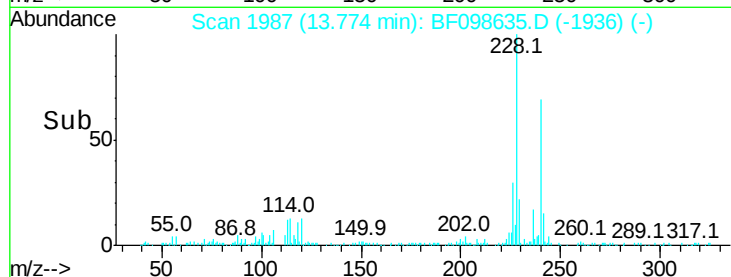
229 23.9 16.3 24.5



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: 4.090 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

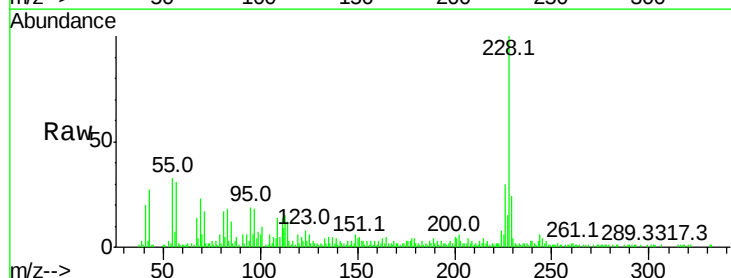
Tgt Ion:228 Resp: 60042

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

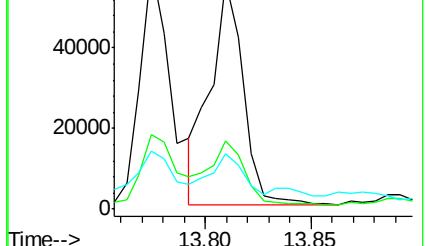
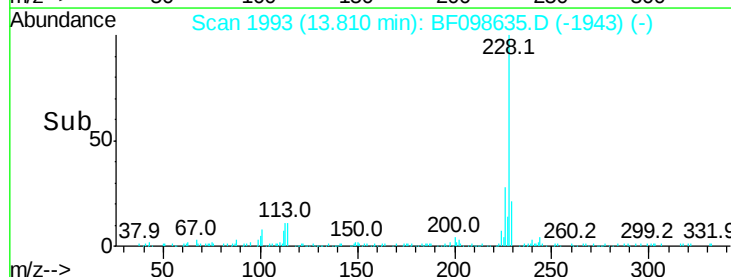
229 24.2 15.8 23.6#

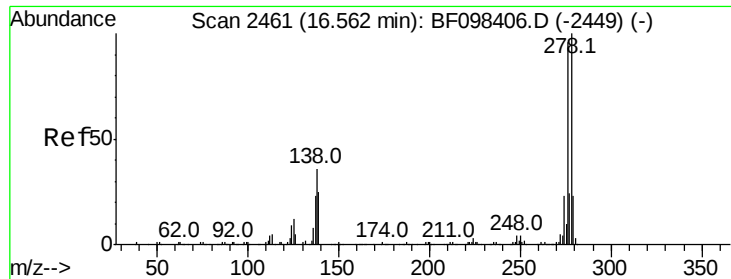


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

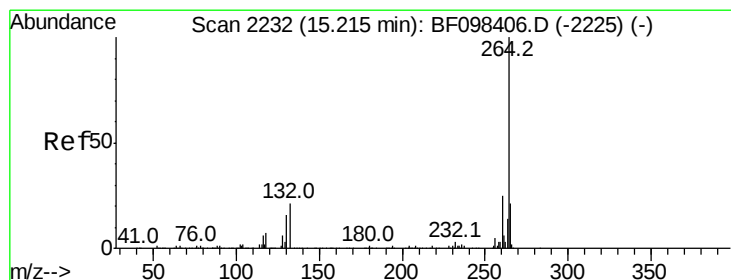
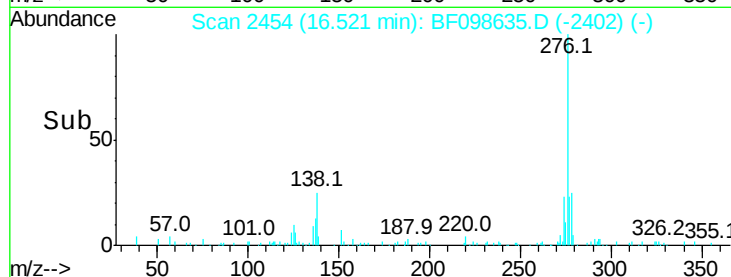
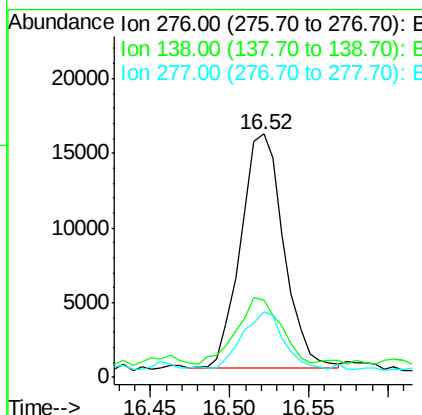
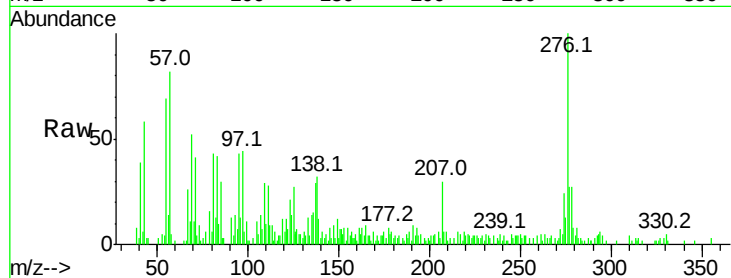




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.875 ng  
 RT: 16.52 min Scan# 2454  
 Delta R.T. 0.01 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

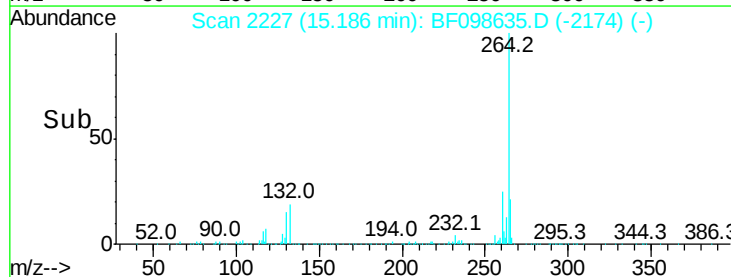
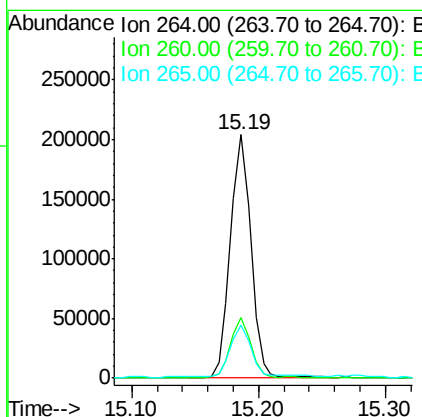
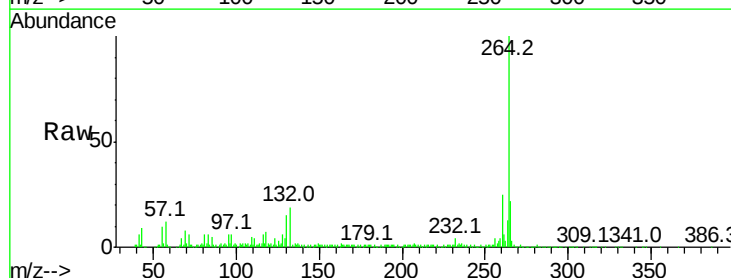
Instrument :  
 BNA\_F  
 ClientSampleId :

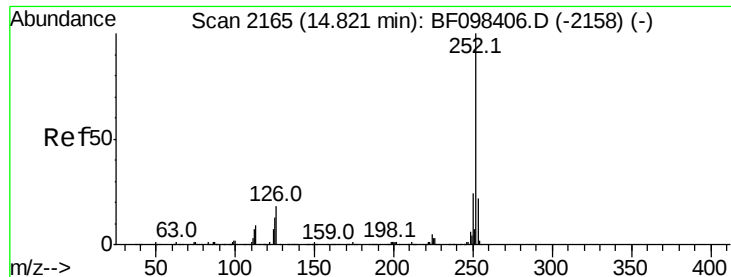
Tot Ion:276 Resp: 29611  
 Ion Ratio Lower Upper  
 276 100  
 138 28.7 27.8 41.6  
 277 23.3 20.2 30.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.19 min Scan# 2227  
 Delta R.T. 0.01 min  
 Lab File: BF098635.D  
 Acq: 19 Sep 2017 7:22

Tgt Ion:264 Resp: 228857  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.5 29.3  
 265 21.5 17.2 25.8

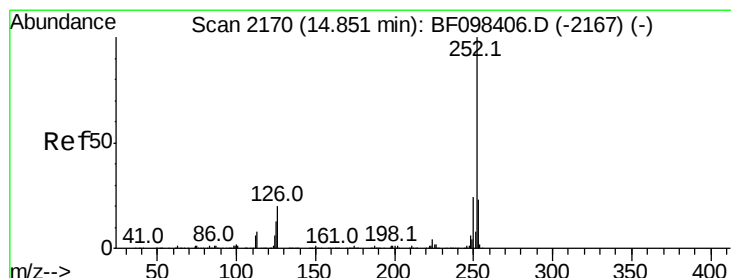
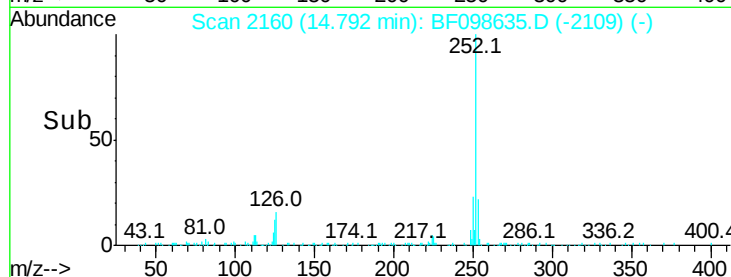
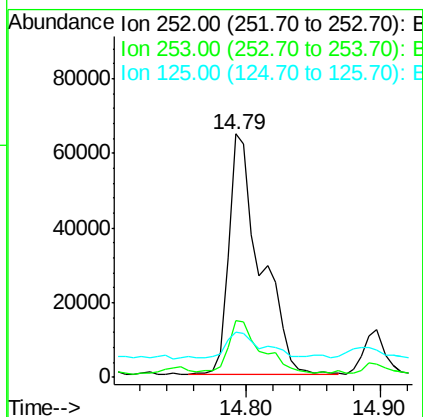
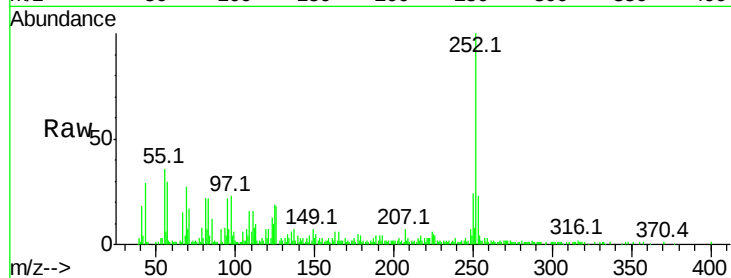




#87  
Benzo(b)fluoranthene  
Concen: 7.420 ng  
RT: 14.79 min Scan# 2160  
Delta R.T. 0.00 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

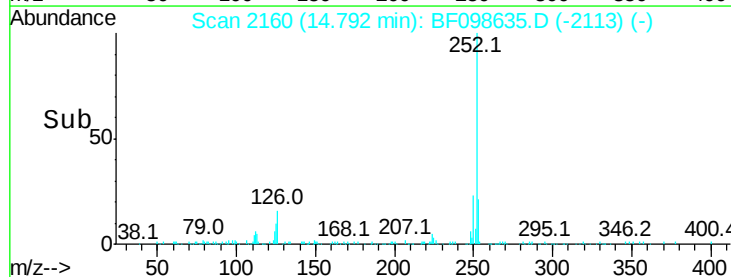
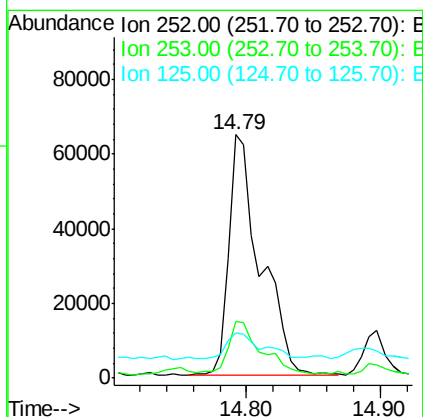
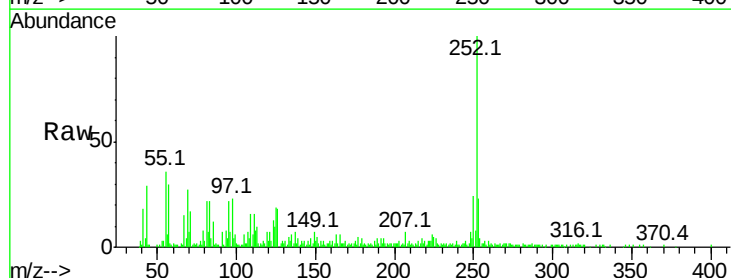
Instrument :  
BNA\_F  
ClientSampleId :

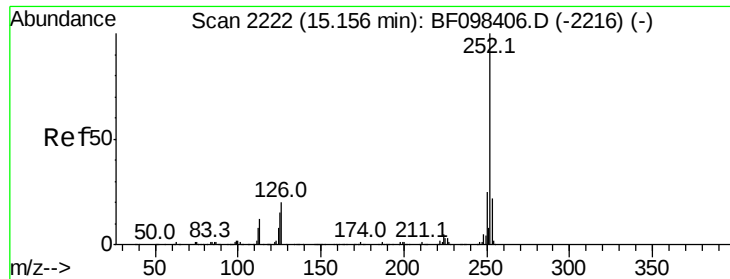
Tot Ion:252 Resp: 106778  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.1 27.1  
125 18.8 9.8 14.8#



#88  
Benzo(k)fluoranthene  
Concen: 7.948 ng  
RT: 14.79 min Scan# 2160  
Delta R.T. -0.02 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion:252 Resp: 106778  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.4 27.6  
125 18.8 13.1 19.7

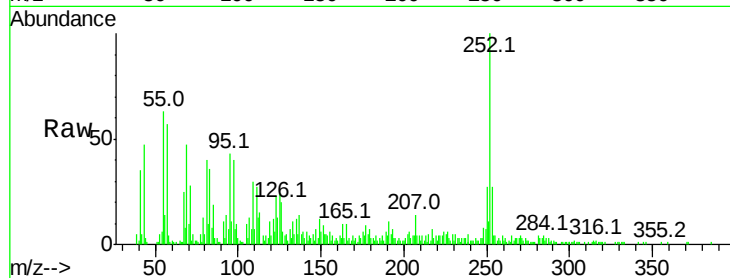




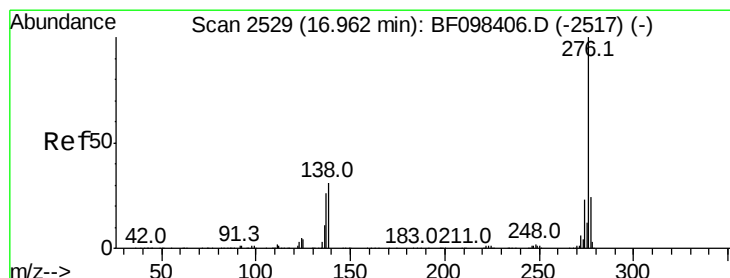
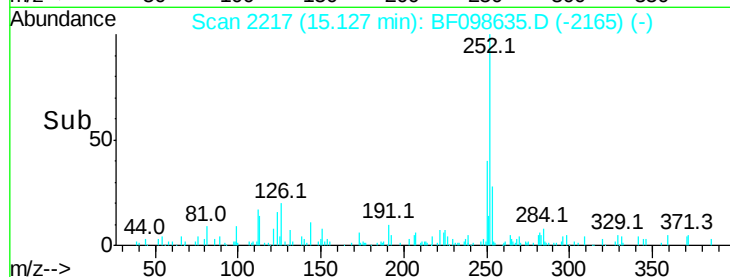
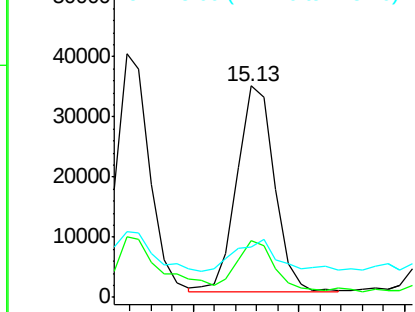
#89  
Benzo(a)pyrene  
Concen: 3.311 ng  
RT: 15.13 min Scan# 2217  
Delta R.T. 0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:252 Resp: 42449  
Ion Ratio Lower Upper  
252 100  
253 26.8 17.5 26.3#  
125 23.7 11.0 16.4#

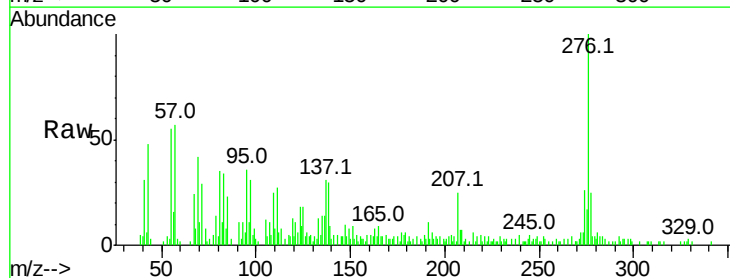


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 3.583 ng  
RT: 16.92 min Scan# 2522  
Delta R.T. 0.01 min  
Lab File: BF098635.D  
Acq: 19 Sep 2017 7:22

Tgt Ion:276 Resp: 33612  
Ion Ratio Lower Upper  
276 100  
277 24.9 18.6 28.0  
138 30.2 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

