

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\  
 Data File : BF098111.D  
 Acq On : 29 Aug 2017 15:23  
 Operator : SJ/JU  
 Sample : I4959-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 30 02:57:55 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 | 6.73  | 152  | 230887   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.02  | 136  | 947343   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.77  | 164  | 433702   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.25 | 188  | 750778   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 13.89 | 240  | 481025   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.31 | 264  | 462878   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.35  | 112  | 870662   | 57.36 | ng    | 0.00     |
| 7) Phenol-d6                | 6.37  | 99   | 1205676  | 58.46 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 760828   | 43.63 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 230325   | 61.21 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 1052111  | 35.64 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.84 | 244  | 682741   | 29.60 | ng    | -0.01    |

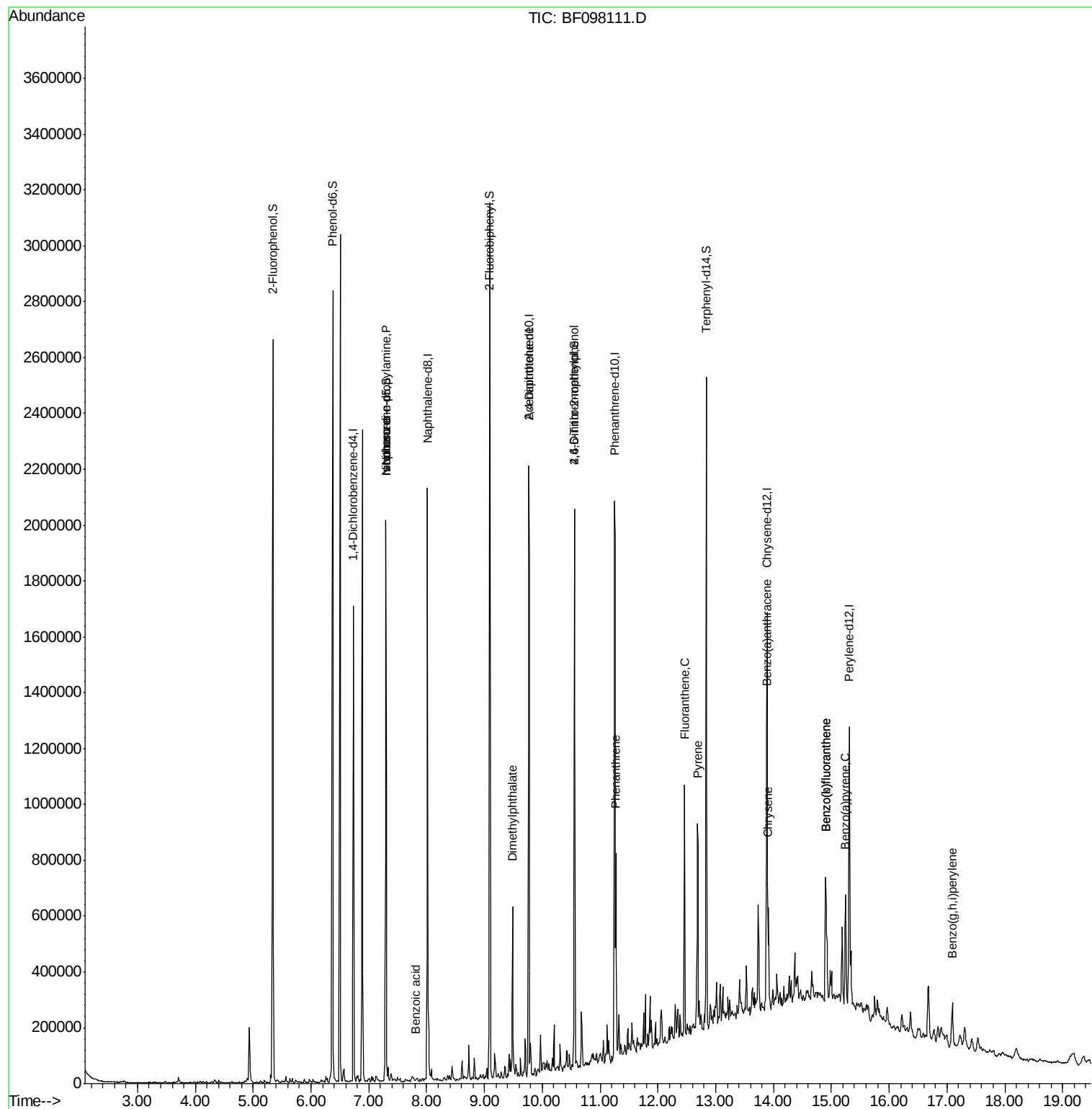
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 100224   | 7.099  | ng    | # 71   |
| 25) Isophorone                 | 7.30  | 82   | 748901   | 20.653 | ng    | # 67   |
| 32) Benzoic acid               | 7.81  | 122  | 1162     | 6.496  | ng    | # 33   |
| 49) Dimethylphthalate          | 9.49  | 163  | 210481   | 6.639  | ng    | 99     |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165  | 58062    | 7.311  | ng    | # 33   |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198  | 619      | 8.465  | ng    | # 1    |
| 70) Phenanthrene               | 11.27 | 178  | 220849   | 5.520  | ng    | 99     |
| 74) Fluoranthene               | 12.46 | 202  | 330150   | 7.906  | ng    | 98     |
| 77) Pyrene                     | 12.69 | 202  | 310187   | 7.884  | ng    | 98     |
| 80) Benzo(a)anthracene         | 13.87 | 228  | 170561   | 5.916  | ng    | 95     |
| 82) Chrysene                   | 13.91 | 228  | 168534   | 5.877  | ng    | 97     |
| 87) Benzo(b)fluoranthene       | 14.90 | 252  | 315098   | 10.800 | ng    | 98     |
| 88) Benzo(k)fluoranthene       | 14.90 | 252  | 315098   | 11.495 | ng    | 95     |
| 89) Benzo(a)pyrene             | 15.24 | 252  | 184696   | 7.151  | ng    | 99     |
| 91) Benzo(a,h,i)perylene       | 17.09 | 276  | 118215   | 5.388  | ng    | 93     |

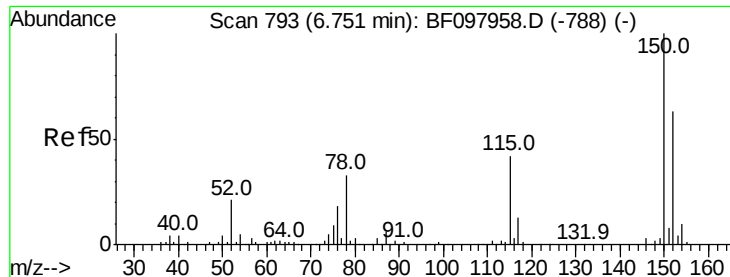
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF098111.D  
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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Aug 30 02:57:55 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA\_F

ClientSampled :

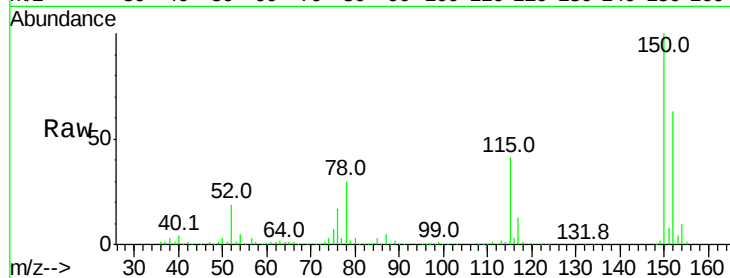
Tot Ion:152 Resp: 230887

Ion Ratio Lower Upper

152 100

150 157.8 126.2 189.2

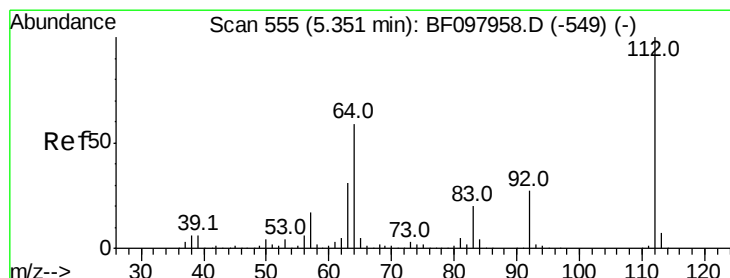
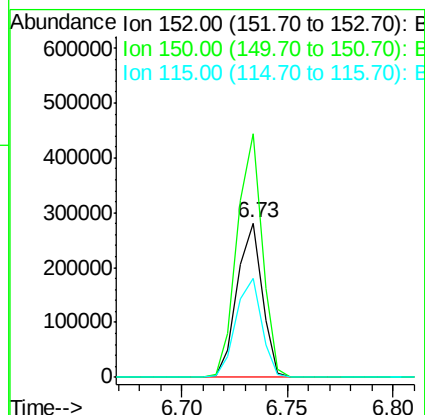
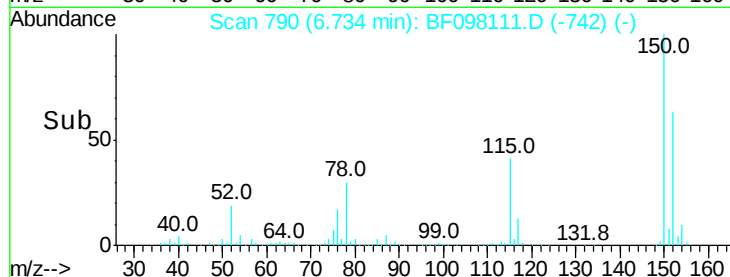
115 64.2 52.2 78.2



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: 57.359 ng

RT: 5.35 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

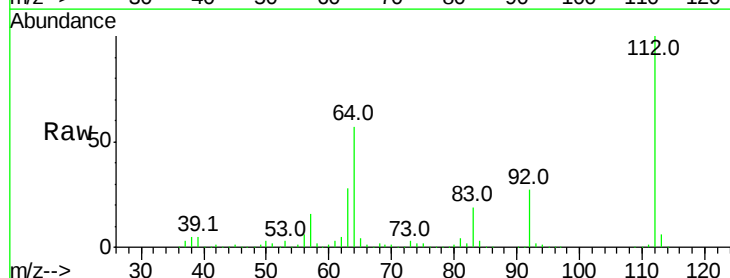
Tgt Ion:112 Resp: 870662

Ion Ratio Lower Upper

112 100

64 56.5 46.0 69.0

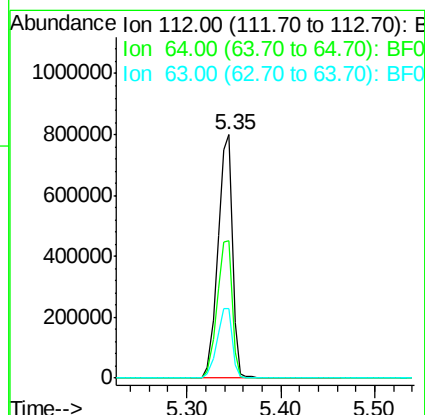
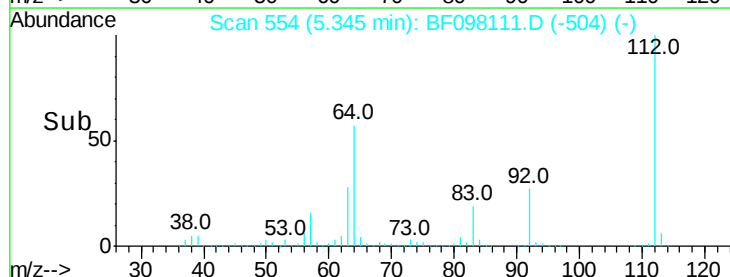
63 28.5 23.4 35.0

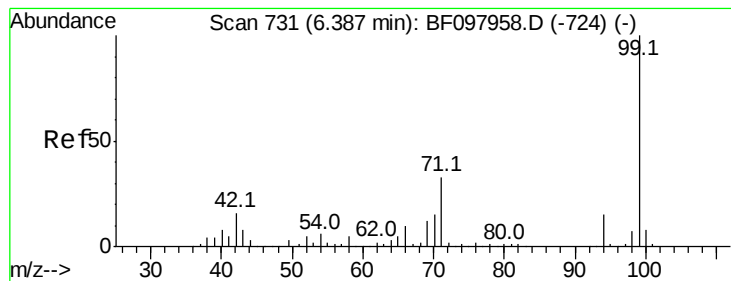


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.459 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

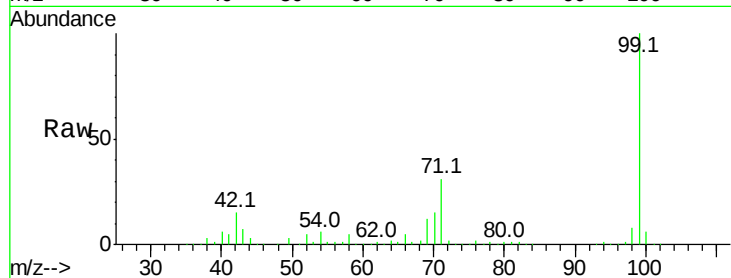
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 1205676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.7  | 13.5  | 20.3  |
| 71  | 31.2  | 24.5  | 36.7  |

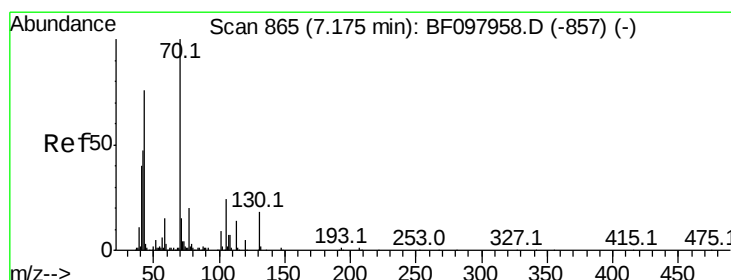
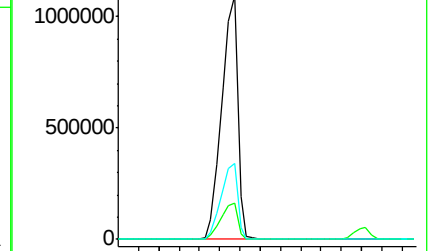
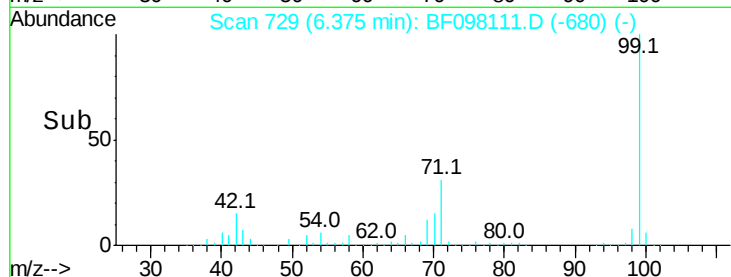


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 7.099 ng

RT: 7.30 min Scan# 886

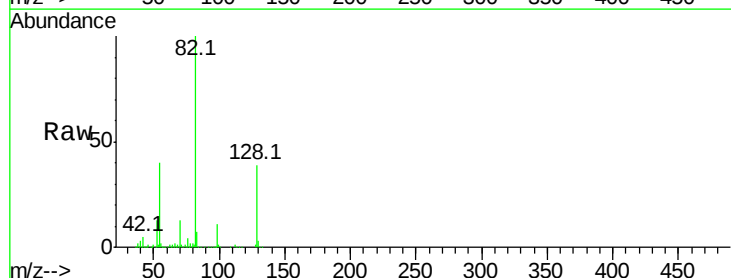
Delta R.T. 0.12 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Tgt Ion: 70 Resp: 100224

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 40.0  | 47.2  | 70.8# |
| 101 | 0.0   | 7.2   | 10.8# |
| 130 | 1.8   | 15.9  | 23.9# |



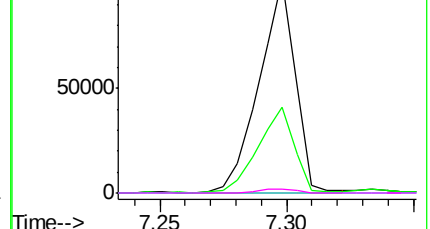
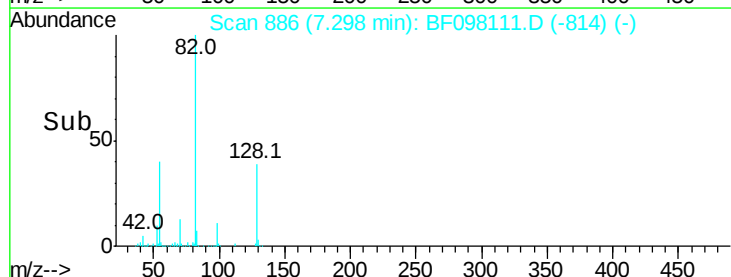
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

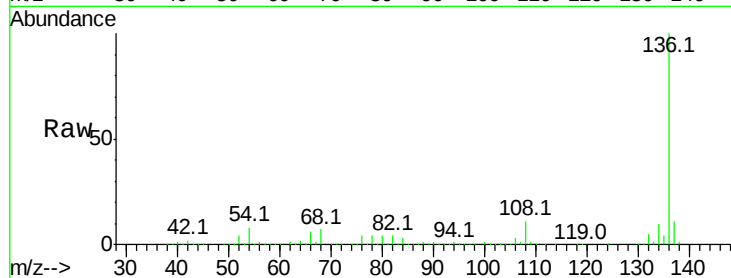




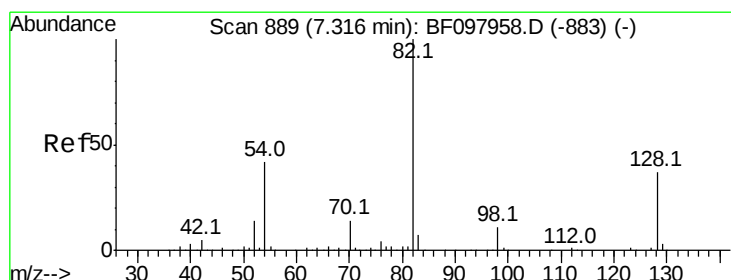
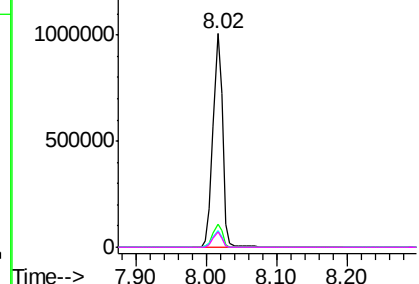
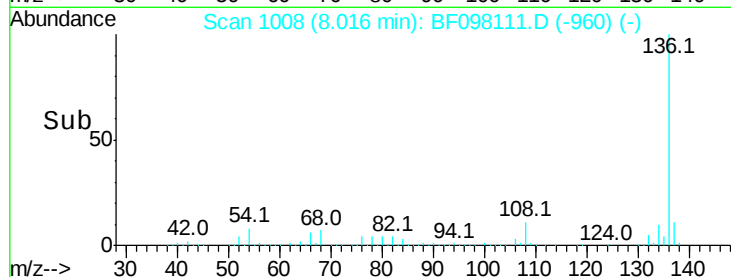
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.02 min Scan# 1008  
Delta R.T. -0.02 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 947343 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.5   | 12.7   |
| 54       | 7.7   | 4.9   | 7.3#   |
| 68       | 7.4   | 4.1   | 6.1#   |

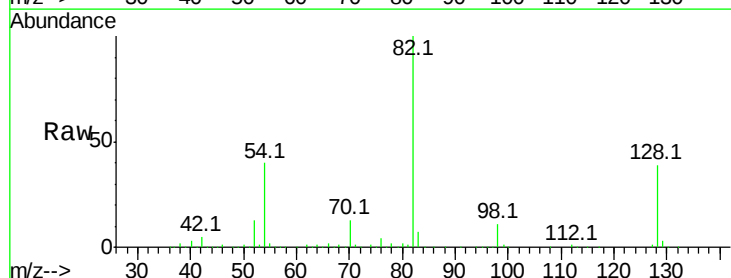


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

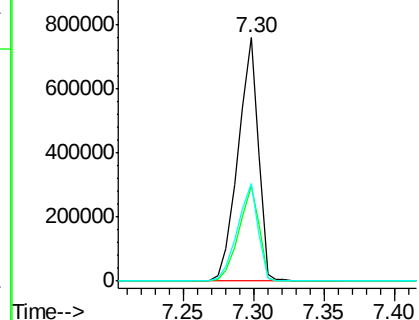
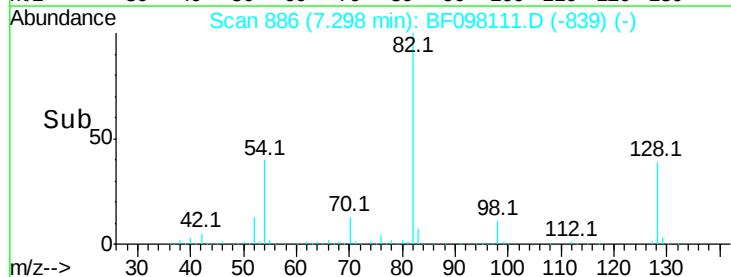


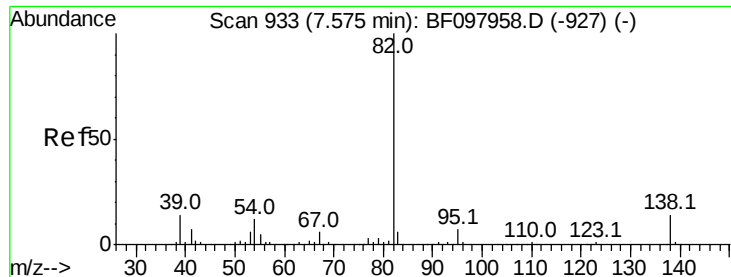
#23  
Nitrobenzene-d5  
Concen: 43.629 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.02 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 760828 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.9  | 34.0  | 51.0   |
| 54       | 40.4  | 42.2  | 63.2#  |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 20.653 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

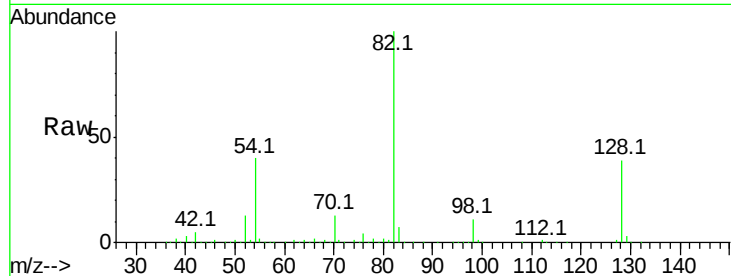
Tot Ion: 82 Resp: 748901

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

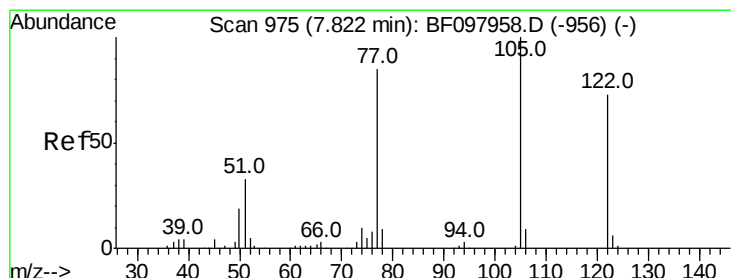
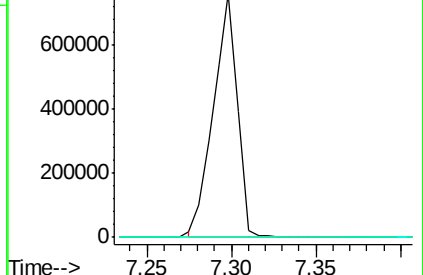
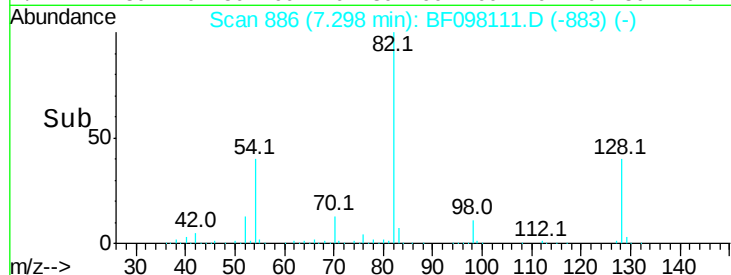
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 6.496 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

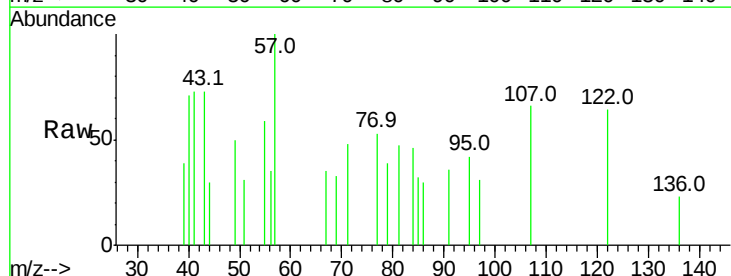
Tgt Ion: 122 Resp: 1162

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

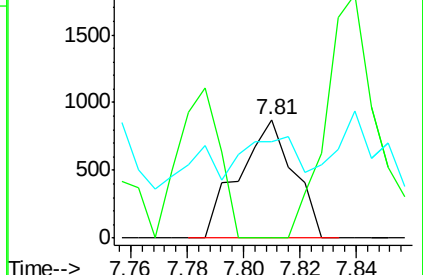
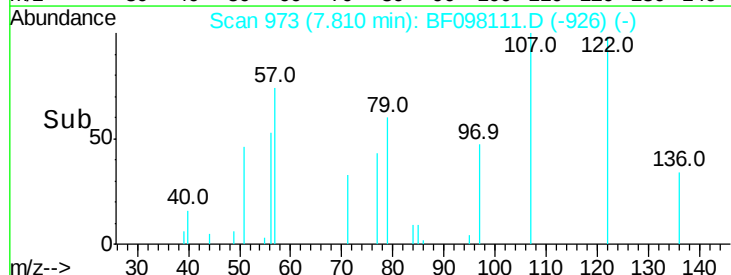
77 82.0 73.7 113.7

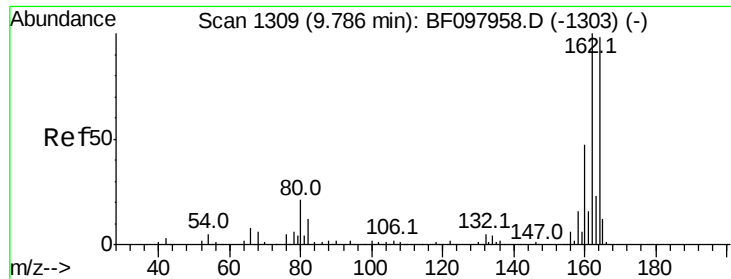


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

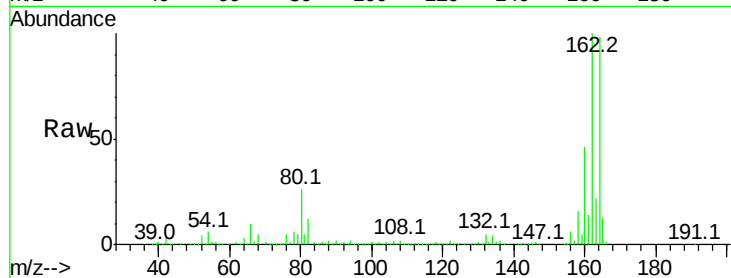




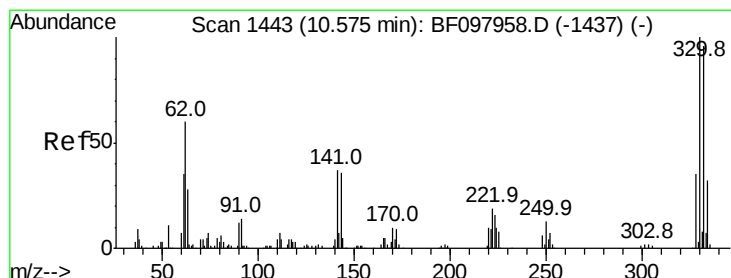
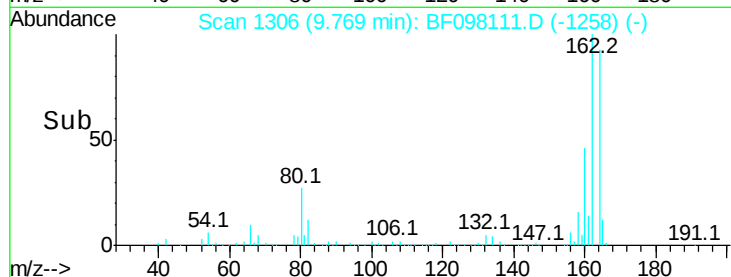
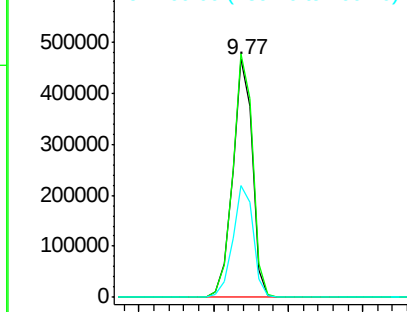
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. -0.02 min  
 Lab File: BF098111.D  
 Acq: 29 Aug 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 433702  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 82.6 123.8  
 160 46.9 36.2 54.2

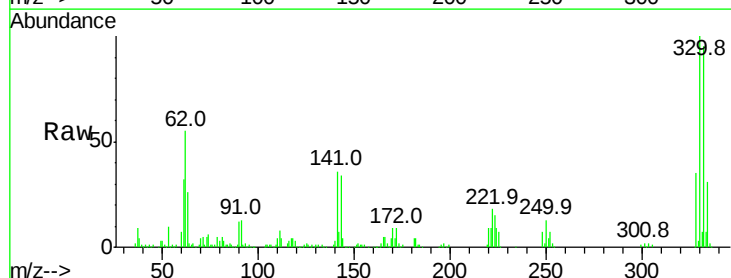


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

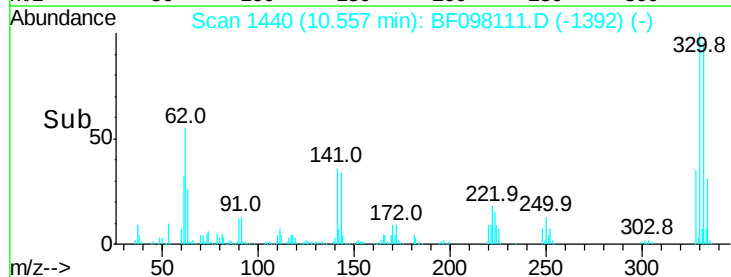
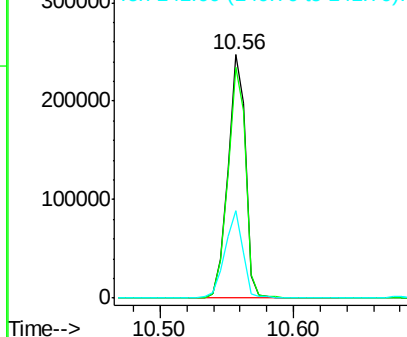


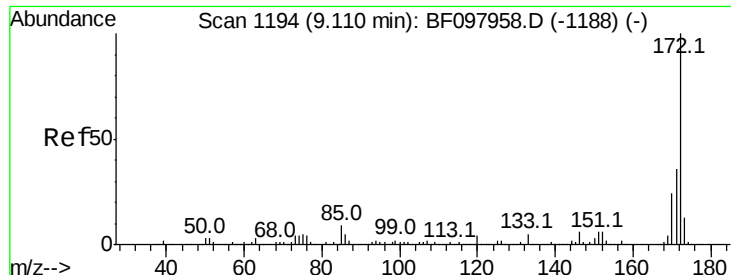
#41  
 2,4,6-Tribromophenol  
 Concen: 61.207 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. -0.02 min  
 Lab File: BF098111.D  
 Acq: 29 Aug 2017 15:23

Tgt Ion:330 Resp: 230325  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.6 115.0  
 141 36.6 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

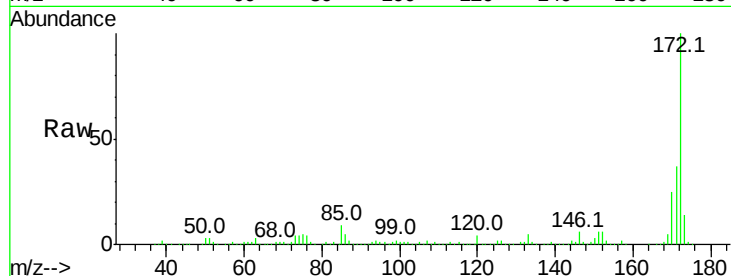




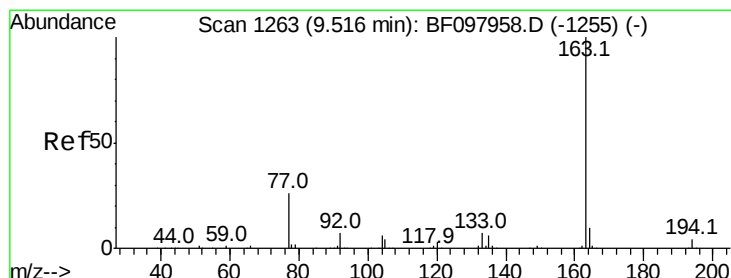
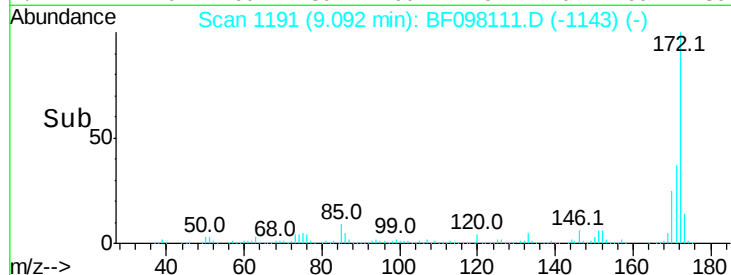
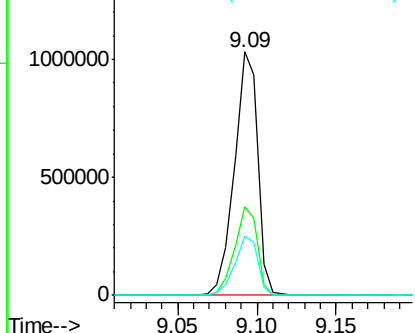
#44  
2-Fluorobiphenyl  
Concen: 35.641 ng  
RT: 9.09 min Scan# 1191  
Delta R.T. -0.02 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1052111  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.6 44.4  
170 24.6 19.8 29.8

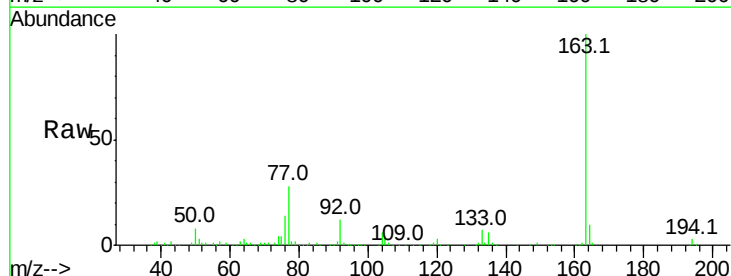


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

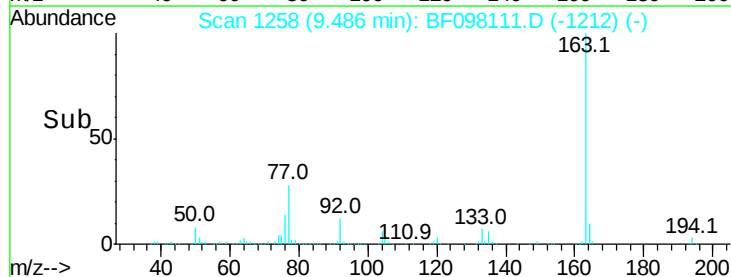
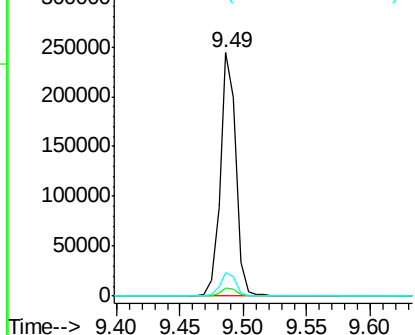


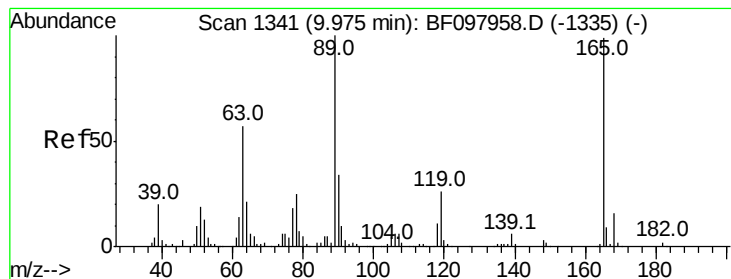
#49  
Dimethylphthalate  
Concen: 6.639 ng  
RT: 9.49 min Scan# 1258  
Delta R.T. -0.03 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

Tgt Ion:163 Resp: 210481  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 9.9 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





#56

2,4-Dinitrotoluene

Concen: 7.311 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 58062

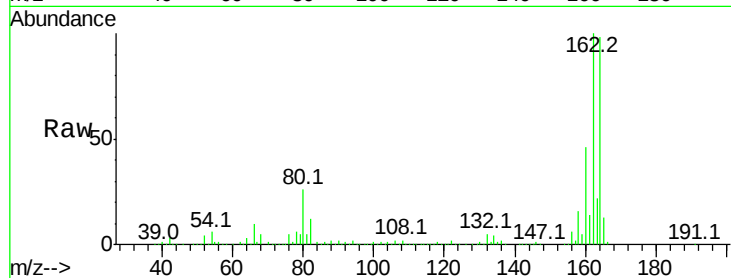
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

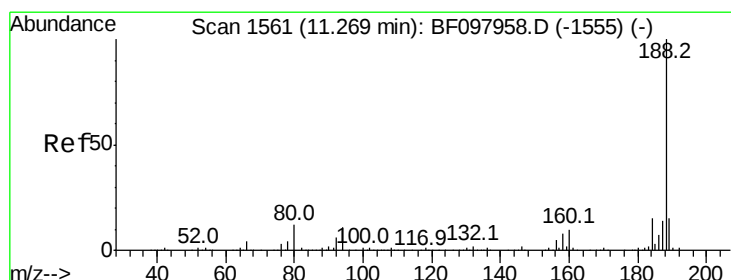
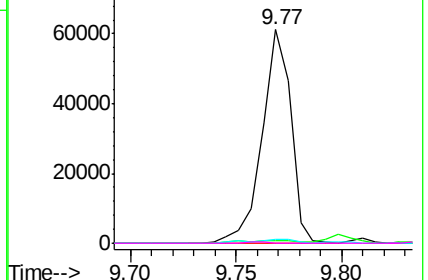
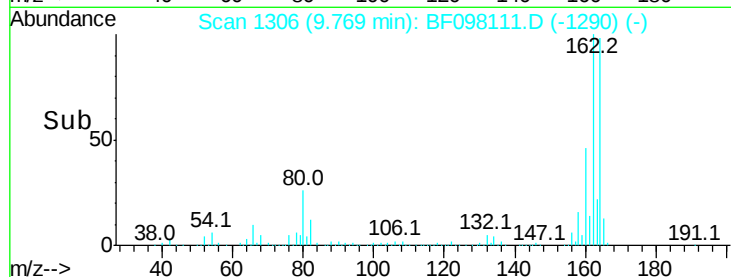


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

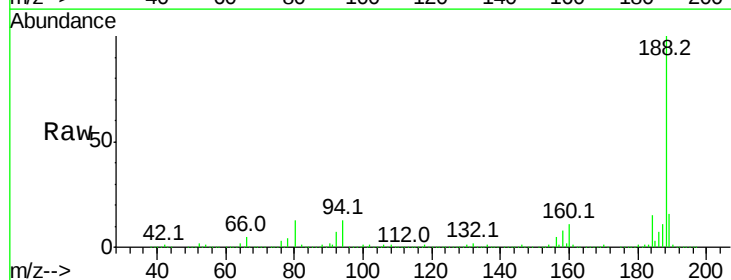
Tgt Ion:188 Resp: 750778

Ion Ratio Lower Upper

188 100

94 12.7 9.4 14.2

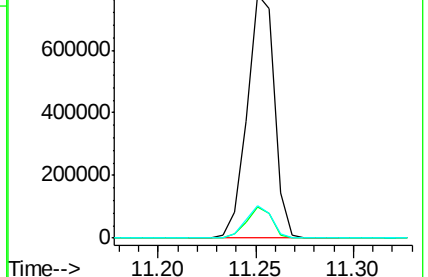
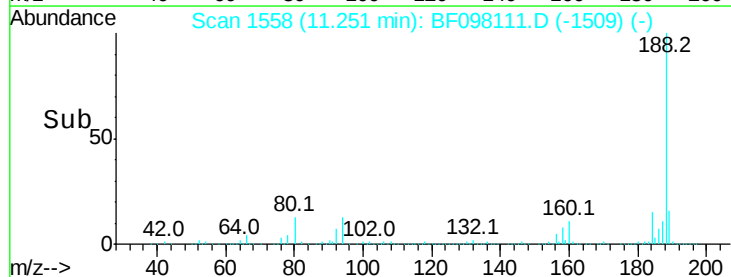
80 13.3 10.2 15.2

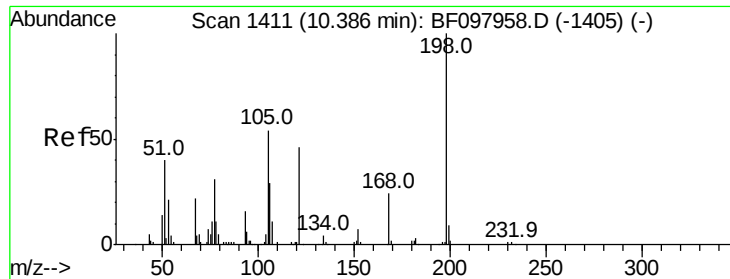


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

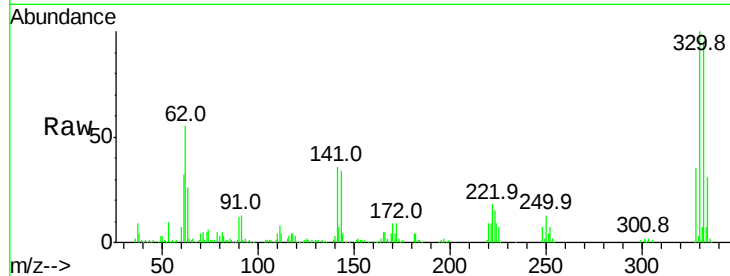




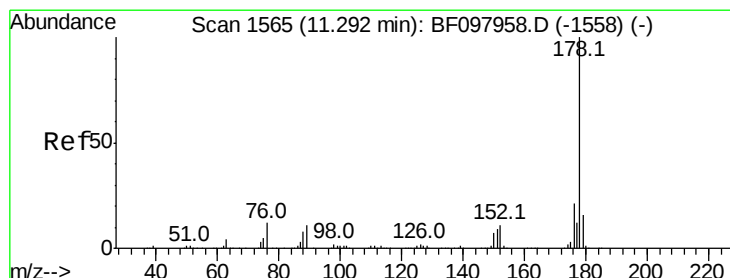
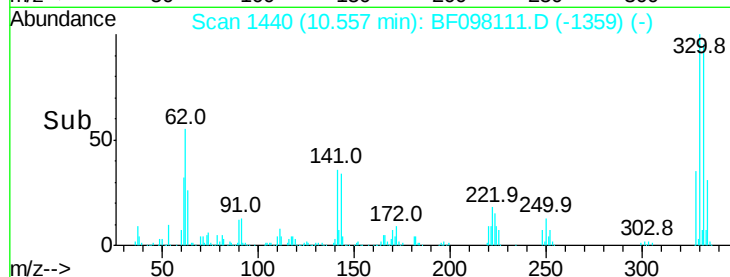
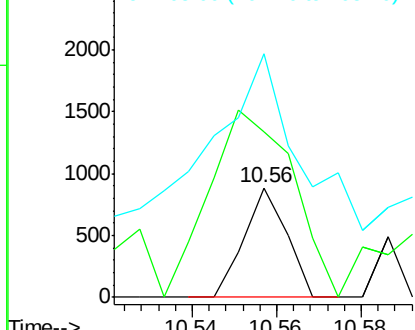
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.465 ng  
 RT: 10.56 min Scan# 1440  
 Delta R.T. 0.18 min  
 Lab File: BF098111.D  
 Acq: 29 Aug 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:198 Resp: 619  
 Ion Ratio Lower Upper  
 198 100  
 51 150.9 53.2 93.2#  
 105 222.7 45.8 85.8#

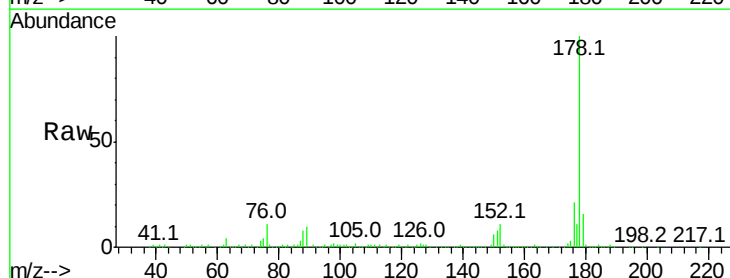


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

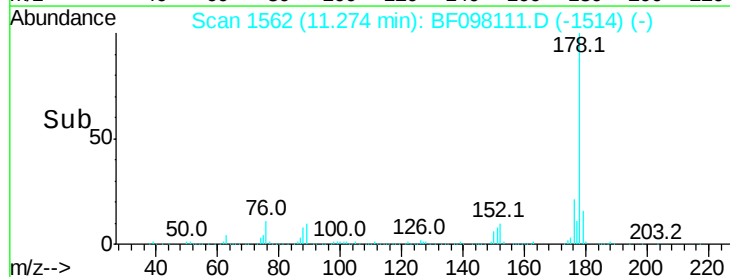
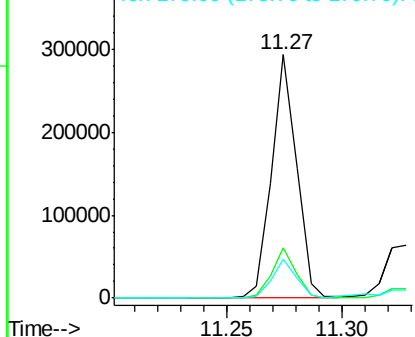


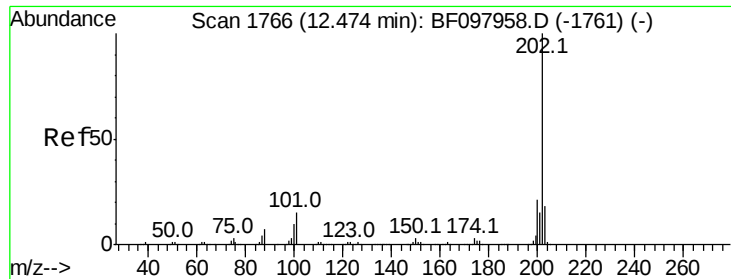
#70  
 Phenanthrene  
 Concen: 5.520 ng  
 RT: 11.27 min Scan# 1562  
 Delta R.T. -0.02 min  
 Lab File: BF098111.D  
 Acq: 29 Aug 2017 15:23

Tgt Ion:178 Resp: 220849  
 Ion Ratio Lower Upper  
 178 100  
 176 20.8 16.2 24.4  
 179 15.7 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





#74

Fluoranthene

Concen: 7.906 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

Instrument :

BNA\_F

ClientSampled :

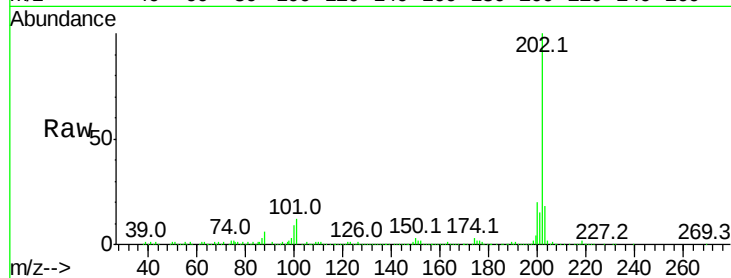
Tot Ion:202 Resp: 330150

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

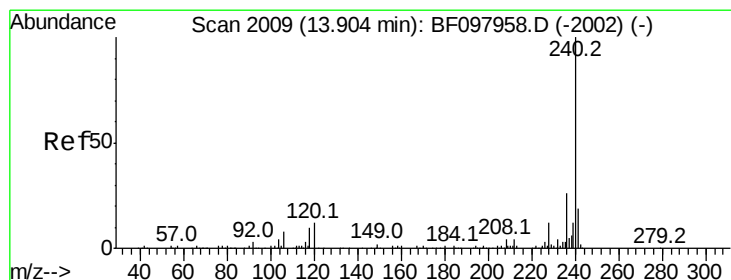
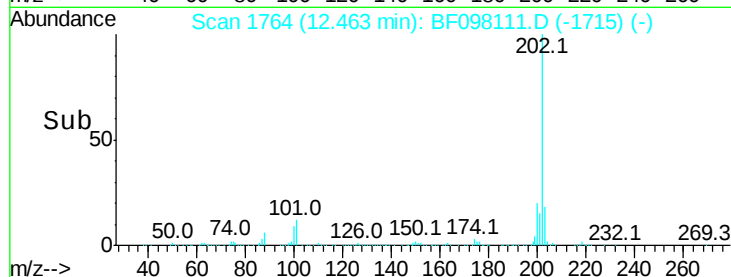
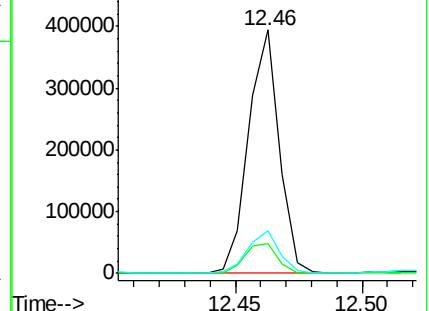
203 17.7 0.0 38.1



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

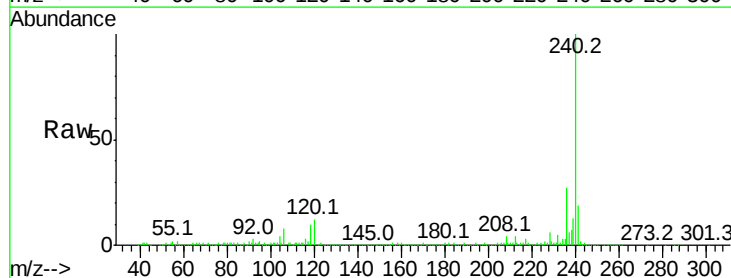
Tgt Ion:240 Resp: 481025

Ion Ratio Lower Upper

240 100

120 11.7 5.8 8.8#

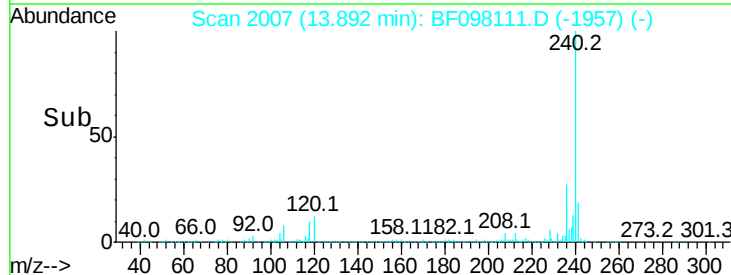
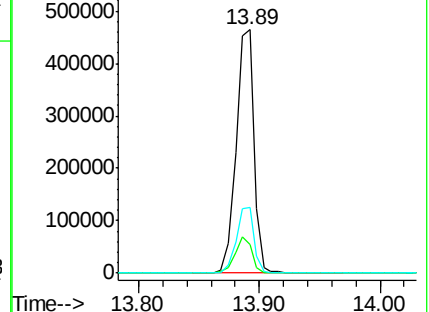
236 26.9 20.5 30.7

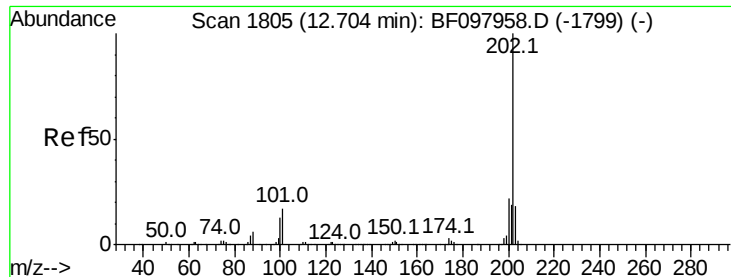


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.884 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098111.D

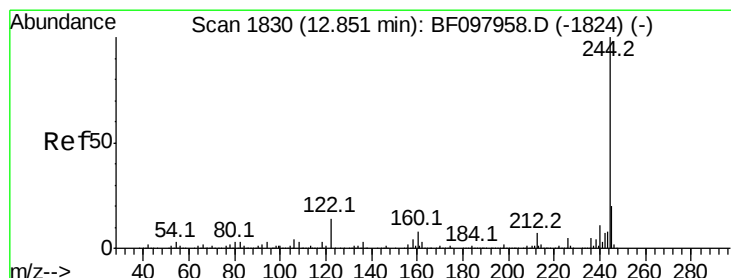
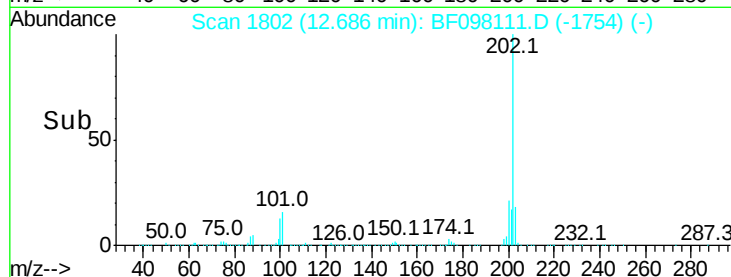
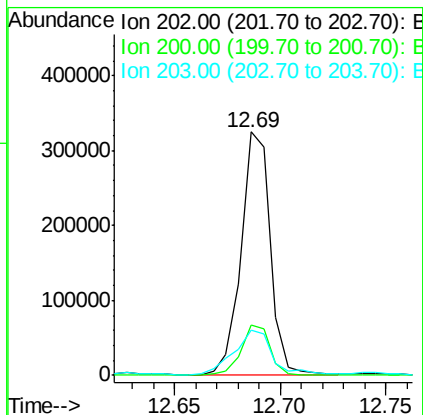
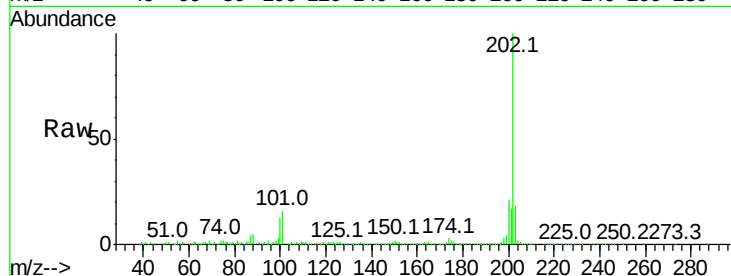
Acq: 29 Aug 2017 15:23

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 310187 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 20.8  | 17.6  | 26.4   |
| 203      | 18.4  | 14.4  | 21.6   |



#78

Terphenyl-d14

Concen: 29.598 ng

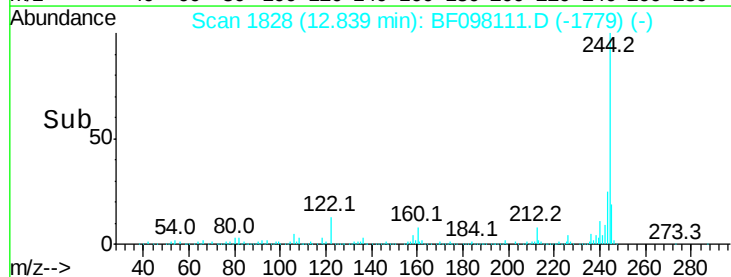
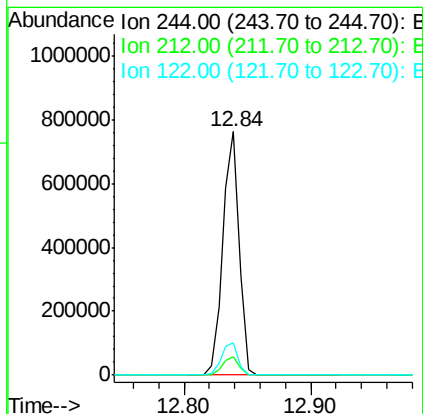
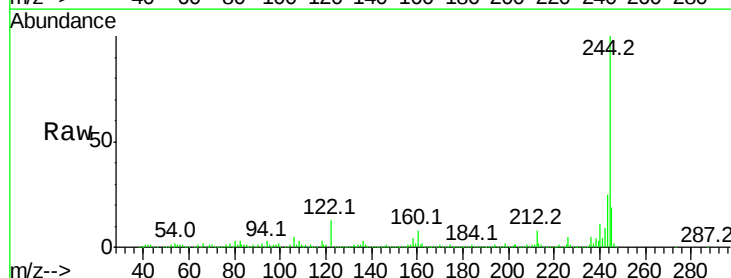
RT: 12.84 min Scan# 1828

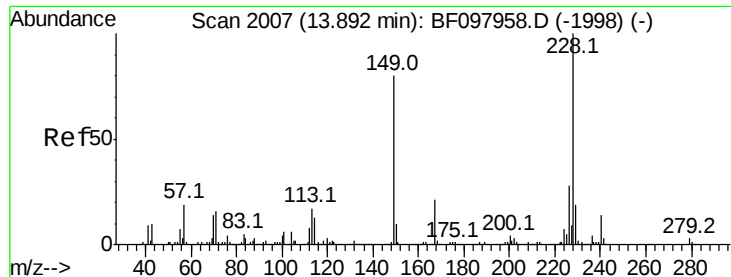
Delta R.T. -0.01 min

Lab File: BF098111.D

Acq: 29 Aug 2017 15:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 682741 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 7.6   | 6.0   | 9.0    |
| 122      | 13.1  | 10.3  | 15.5   |

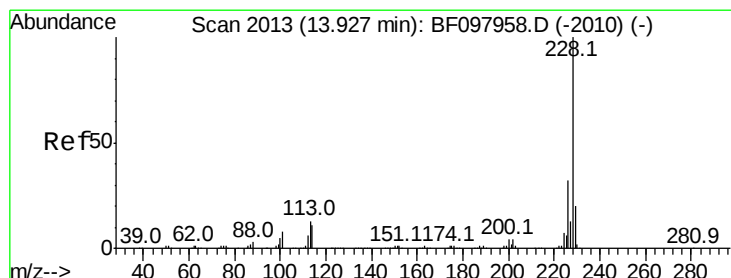
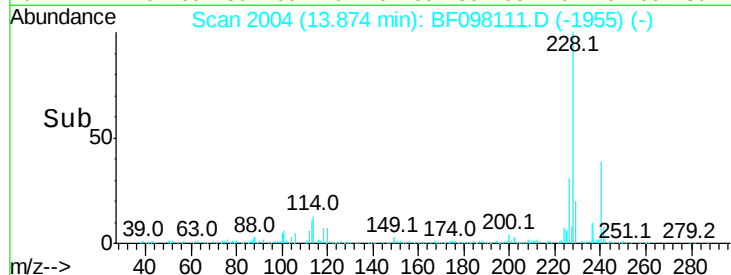
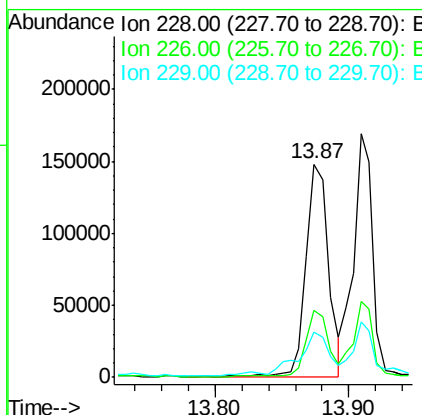
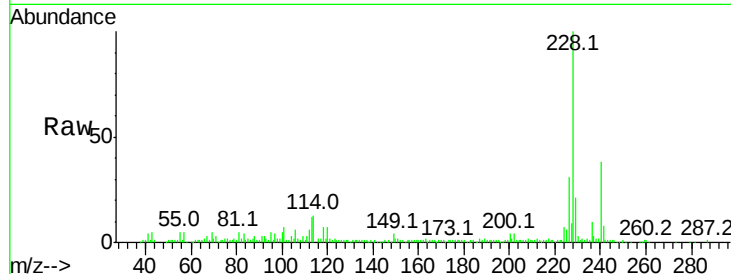




#80  
Benzo(a)anthracene  
Concen: 5.916 ng  
RT: 13.87 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

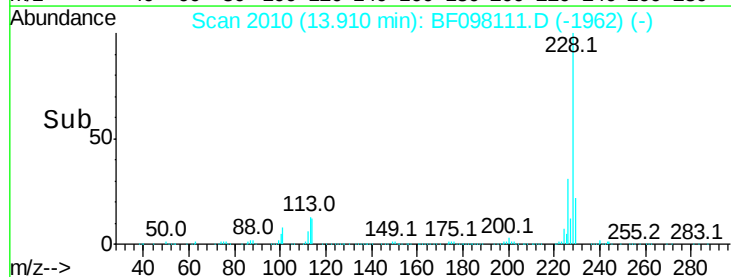
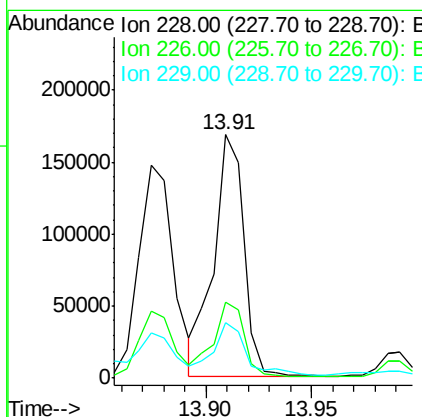
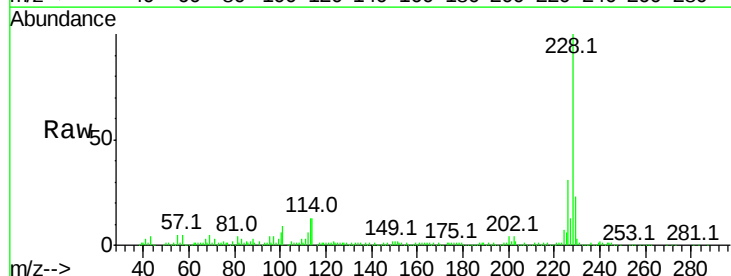
Instrument :  
BNA\_F  
ClientSampleId :

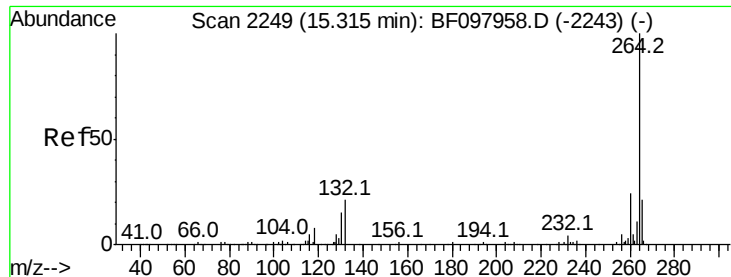
Tot Ion:228 Resp: 170561  
Ion Ratio Lower Upper  
228 100  
226 31.4 22.6 33.8  
229 21.4 16.3 24.5



#82  
Chrysene  
Concen: 5.877 ng  
RT: 13.91 min Scan# 2010  
Delta R.T. -0.02 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

Tgt Ion:228 Resp: 168534  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.9 37.3  
229 22.8 15.8 23.6

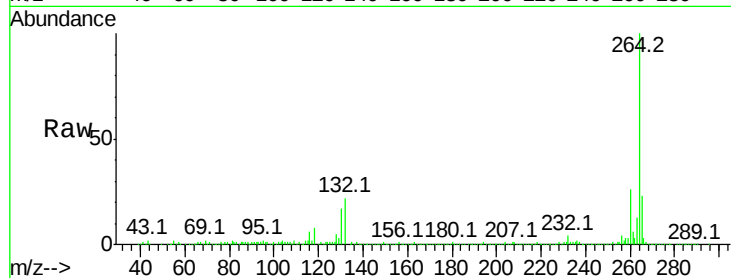




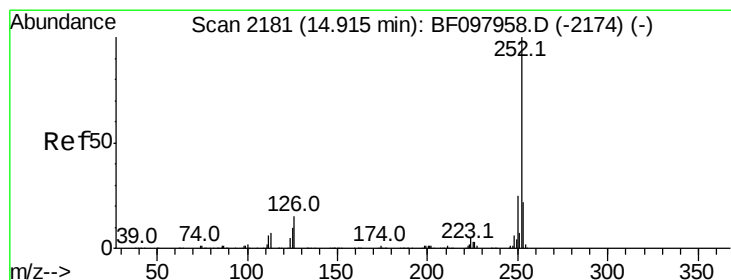
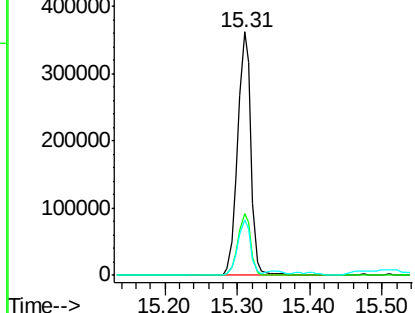
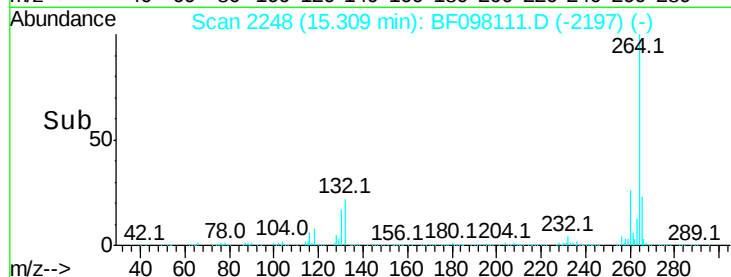
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.31 min Scan# 2248  
Delta R.T. 0.00 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.6  | 19.5  | 29.3  |
| 265     | 22.8  | 17.2  | 25.8  |

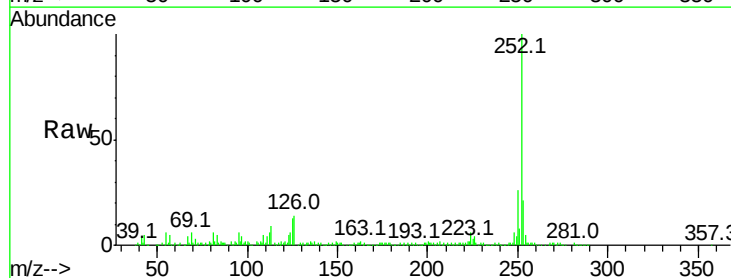


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

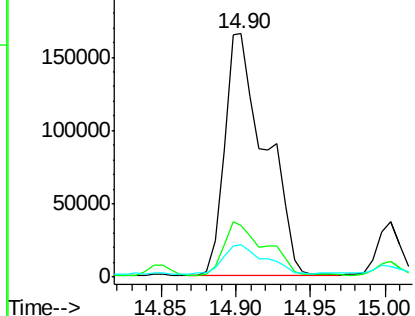
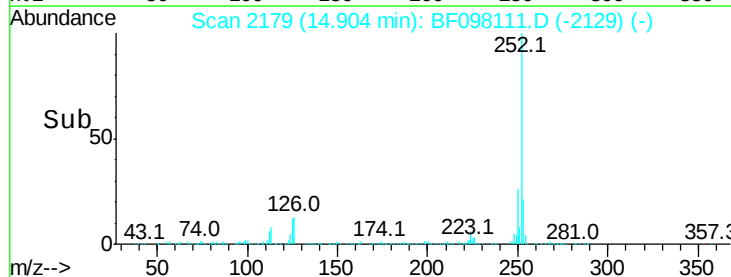


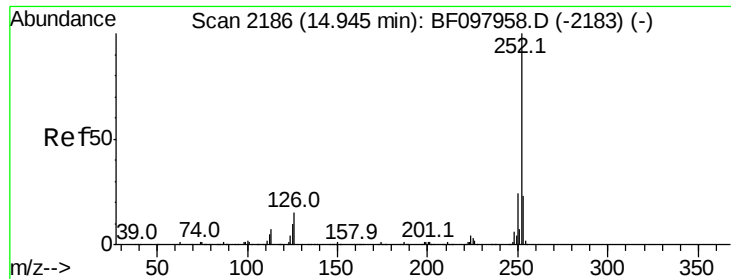
#87  
Benzo(b)fluoranthene  
Concen: 10.800 ng  
RT: 14.90 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 18.1  | 27.1  |
| 125     | 13.2  | 9.8   | 14.8  |



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

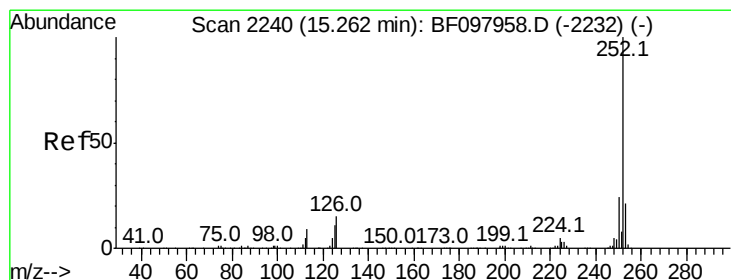
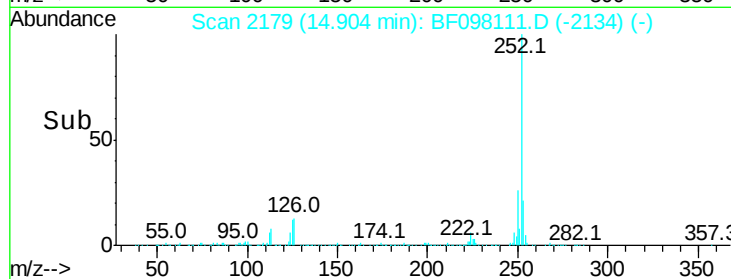
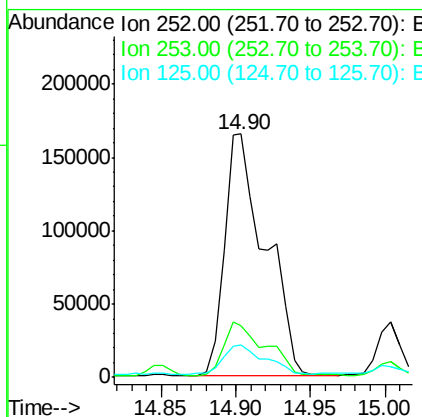
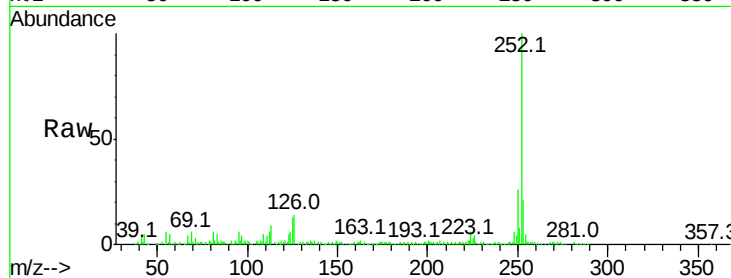




#88  
Benzo(k)fluoranthene  
Concen: 11.495 ng  
RT: 14.90 min Scan# 2179  
Delta R.T. -0.04 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

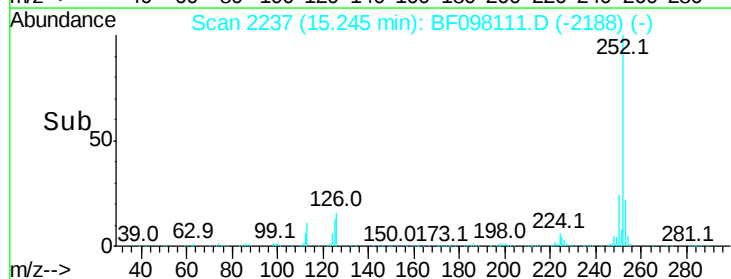
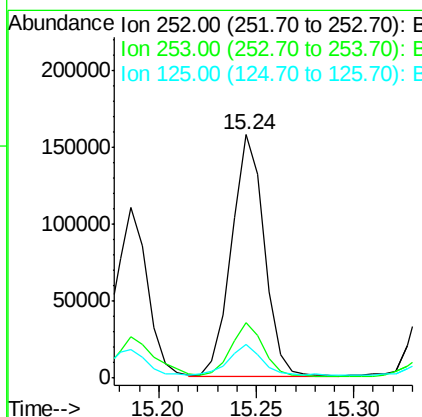
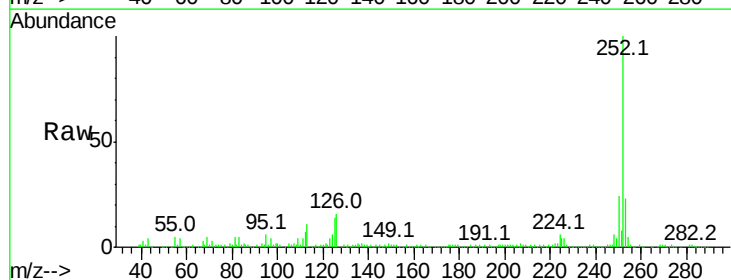
Instrument :  
BNA\_F  
ClientSampleId :

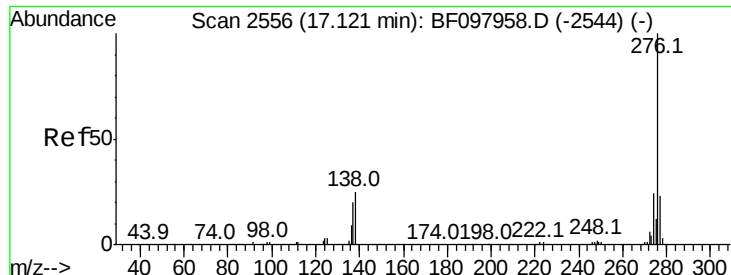
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.4  | 18.4  | 27.6  |
| 125     | 13.2  | 13.1  | 19.7  |



#89  
Benzo(a)pyrene  
Concen: 7.151 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. -0.01 min  
Lab File: BF098111.D  
Acq: 29 Aug 2017 15:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.5  | 26.3  |
| 125     | 14.0  | 11.0  | 16.4  |

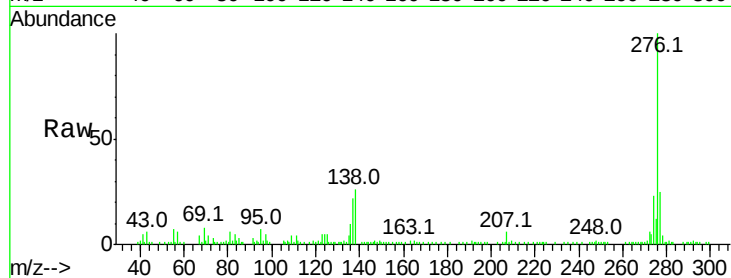




#91  
 Benzo(a,h,i)perylene  
 Concen: 5.388 ng  
 RT: 17.09 min Scan# 2551  
 Delta R.T. -0.02 min  
 Lab File: BF098111.D  
 Acq: 29 Aug 2017 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 18.6  | 28.0  |
| 138     | 26.1  | 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

