

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050218\  
 Data File : BF105058.D  
 Acq On : 3 May 2018 4:16  
 Operator : JU/SJ  
 Sample : J2684-04  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 043018-SIDI-F-U-S

Quant Time: May 03 07:01:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 02 17:25:18 2018  
 Response via : Initial Calibration

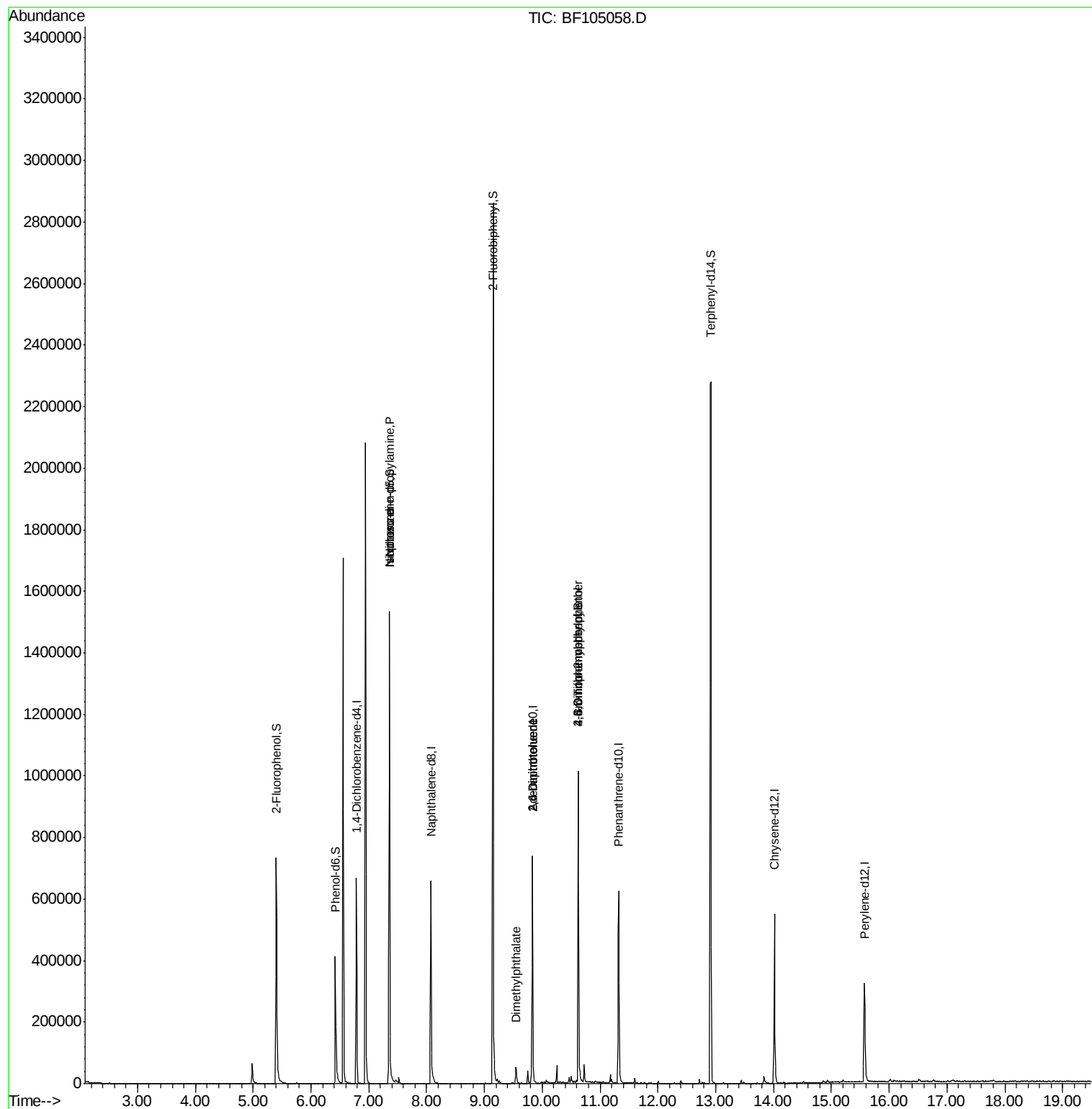
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 94186    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 371249   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 157179   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 262052   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 228425   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12               | 15.57 | 264  | 180318   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 258411   | 41.95     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 194407   | 25.69     | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 552514   | 97.18     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.62 | 330  | 140090   | 85.92     | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 979794   | 98.48     | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.92 | 244  | 882807   | 88.11     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 72466    | 14.653    | ng    | # 70     |
| 25) Isophorone                 | 7.36  | 82   | 548702   | 45.639    | ng    | # 64     |
| 49) Dimethylphthalate          | 9.55  | 163  | 27286    | 2.201     | ng    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.83  | 165  | 19603    | 8.547     | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165  | 19603    | 6.516     | ng    | # 22     |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 124      | 7.429     | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 8128     | 2.916     | ng    | # 1      |
| 76) Benzidine                  | 12.91 | 184  | 11523    | Below Cal |       | # 93     |

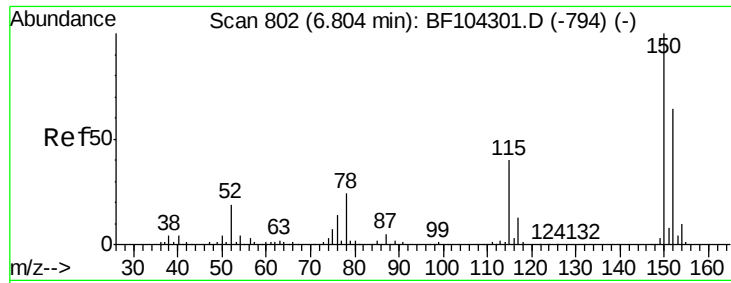
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050218\  
Data File : BF105058.D  
Acq On : 3 May 2018 4:16  
Operator : JU/SJ  
Sample : J2684-04  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
043018-SIDI-F-U-S

Quant Time: May 03 07:01:59 2018  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 02 17:25:18 2018  
Response via : Initial Calibration

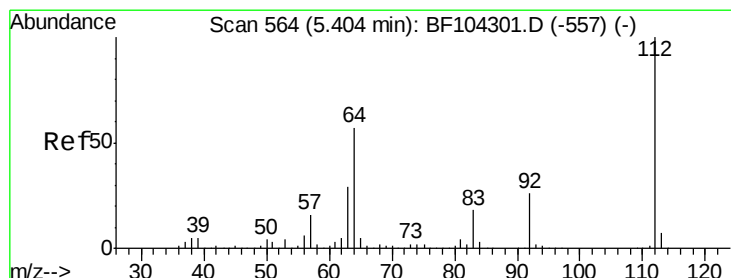
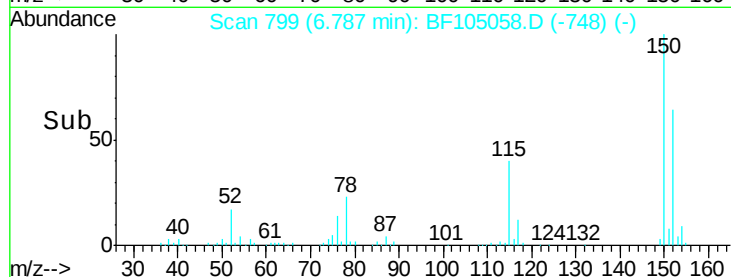
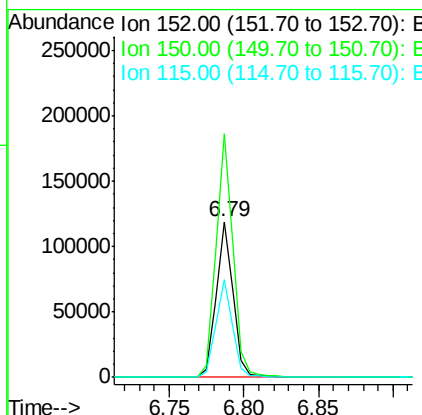
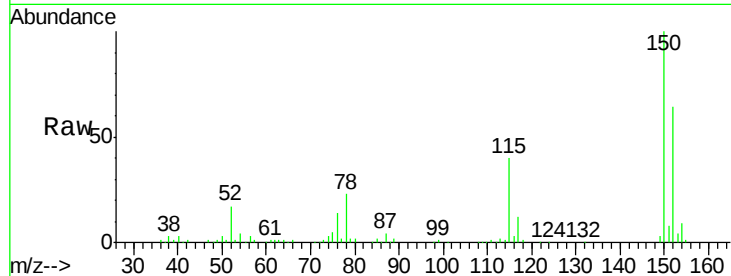




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

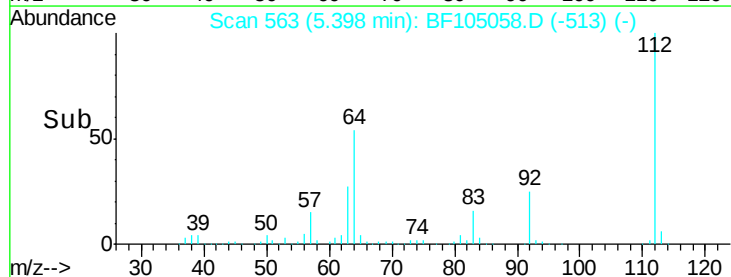
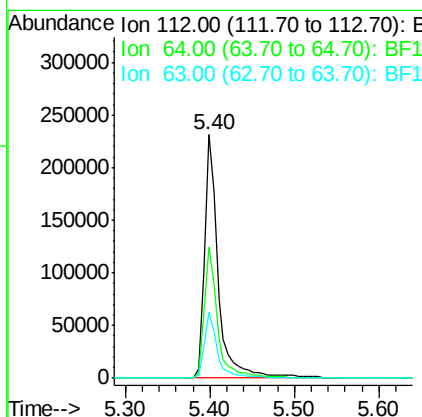
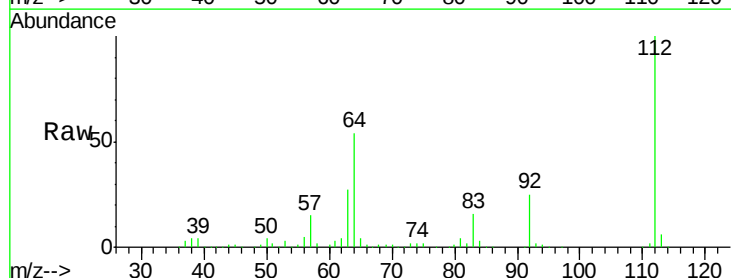
Instrument :  
 BNA\_F  
 ClientSampleId :  
 043018-SIDI-F-U-S

Tgt Ion:152 Resp: 94186  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 124.6 186.8  
 115 62.7 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 41.952 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. -0.01 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

Tgt Ion:112 Resp: 258411  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 47.9 71.9  
 63 27.0 23.7 35.5





#7

Phenol-d6

Concen: 25.687 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

Instrument :

BNA\_F

ClientSampleId :

043018-SIDI-F-U-S

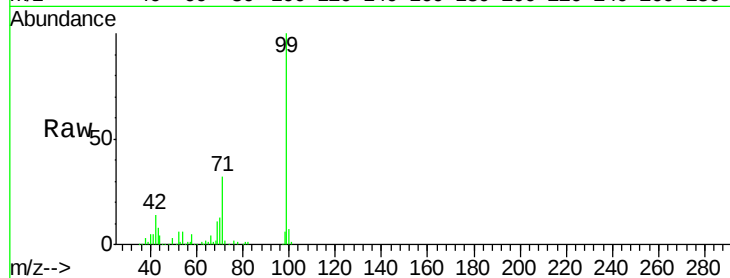
Tgt Ion: 99 Resp: 194407

Ion Ratio Lower Upper

99 100

42 14.2 14.5 21.7#

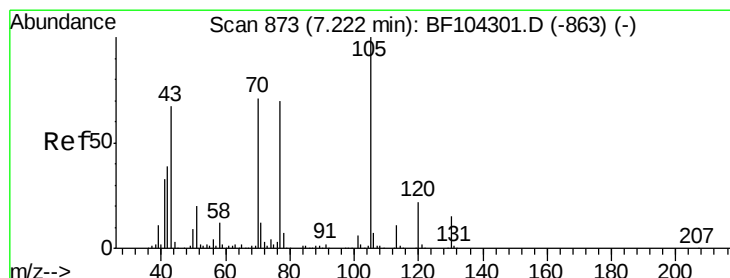
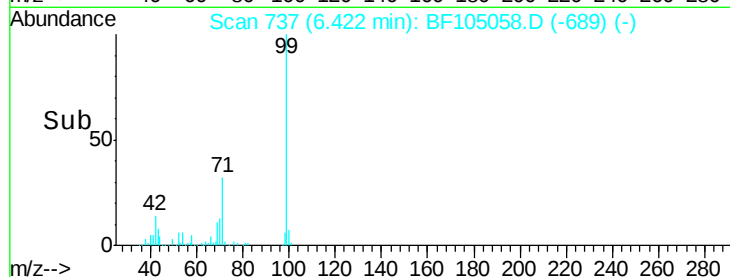
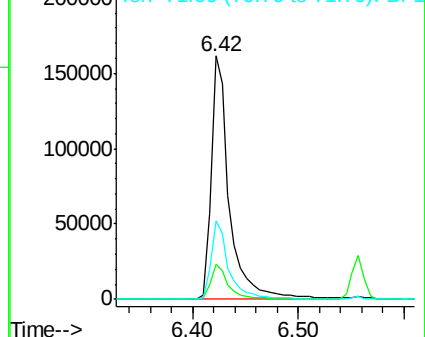
71 32.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.653 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

Tgt Ion: 70 Resp: 72466

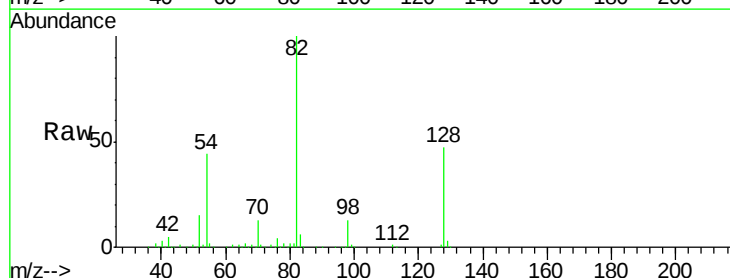
Ion Ratio Lower Upper

70 100

42 39.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

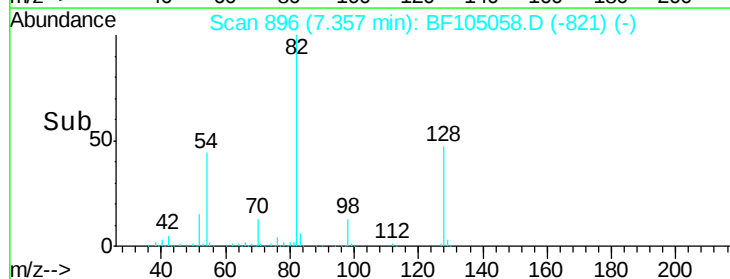
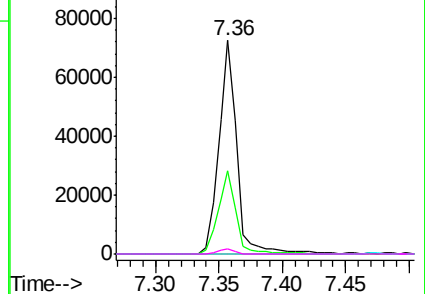


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

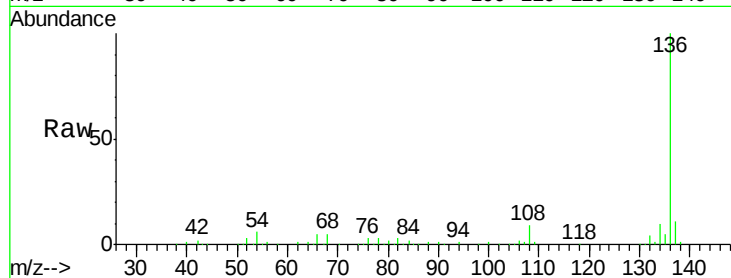




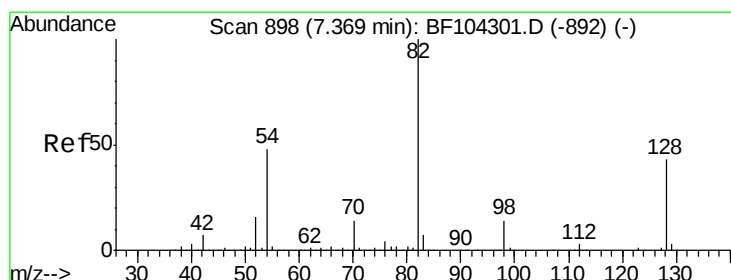
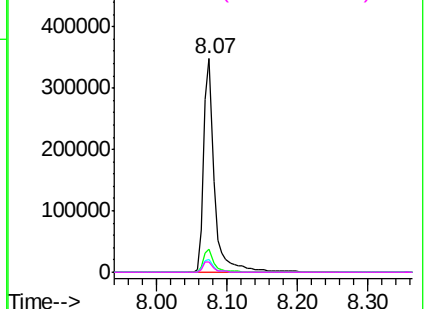
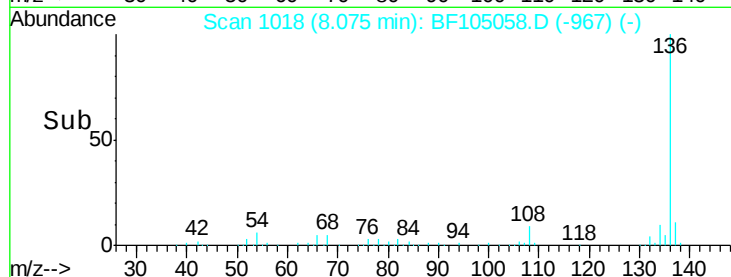
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

Instrument :  
BNA\_F  
ClientSampleId :  
043018-SIDI-F-U-S

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 371249 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 5.7   | 6.6   | 9.8#   |
| 68       | 5.1   | 5.0   | 7.4    |

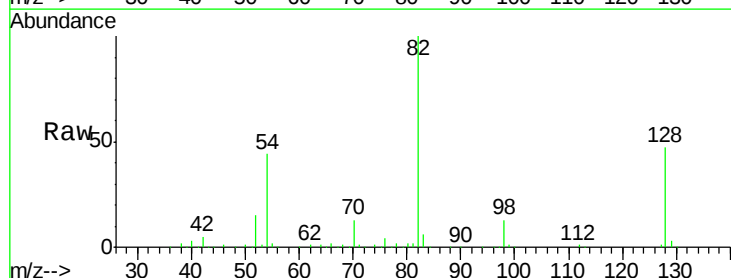


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

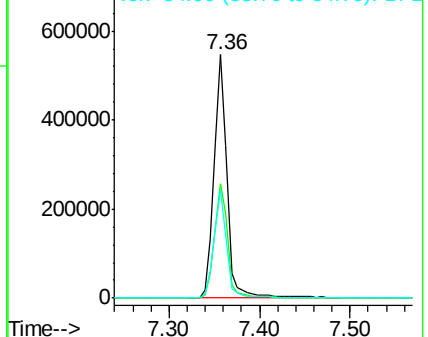
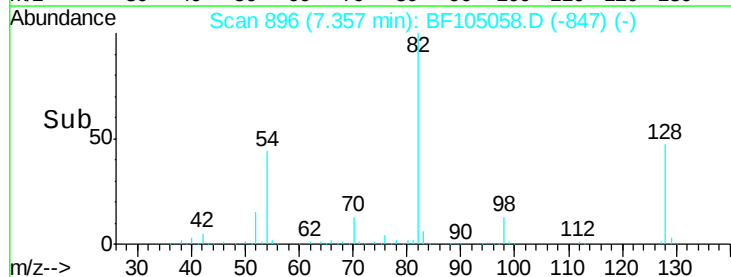


#23  
Nitrobenzene-d5  
Concen: 97.180 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 552514 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.1  | 36.1  | 54.1   |
| 54       | 44.3  | 41.4  | 62.2   |



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





#25

Isophorone

Concen: 45.639 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

Instrument :

BNA\_F

ClientSampleId :

043018-SIDI-F-U-S

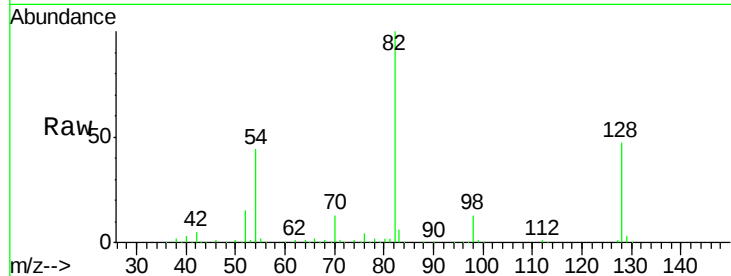
Tgt Ion: 82 Resp: 548702

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

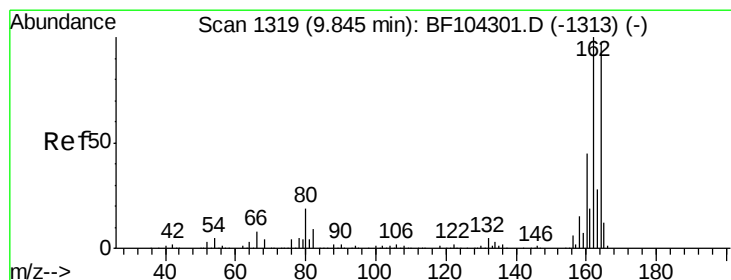
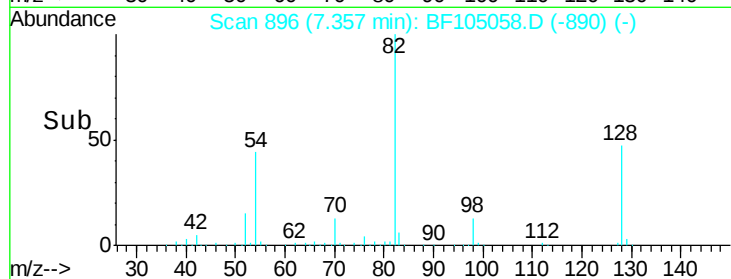
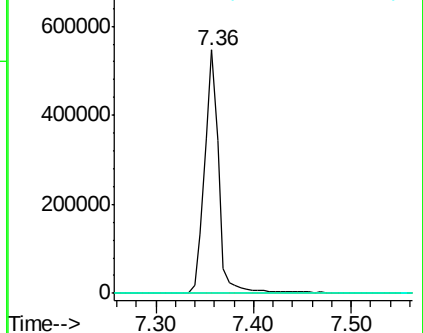
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

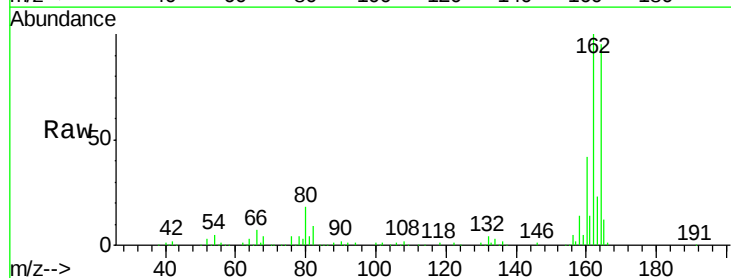
Tgt Ion: 164 Resp: 157179

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

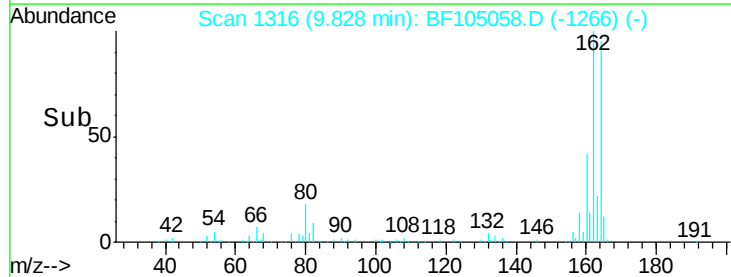
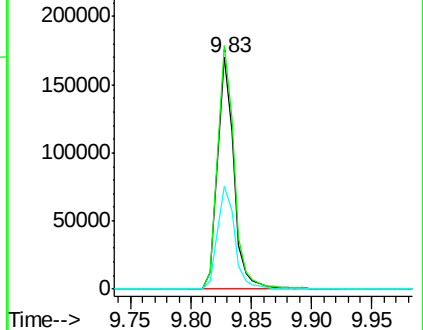
160 44.5 38.3 57.5



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

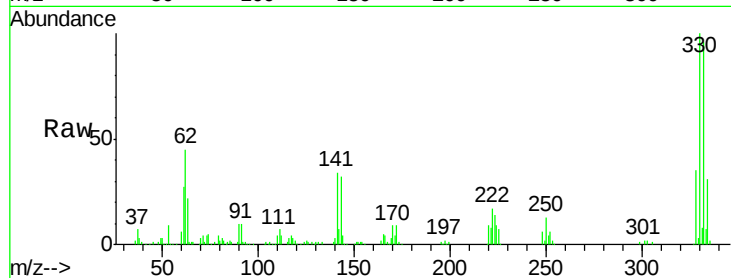




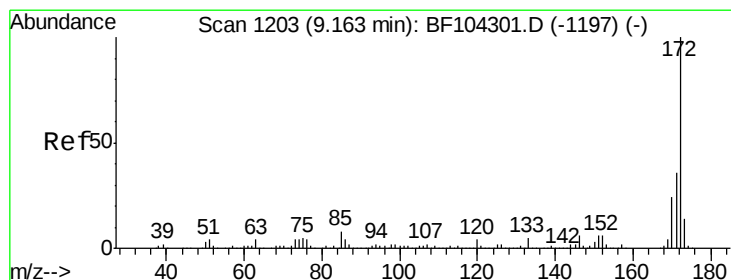
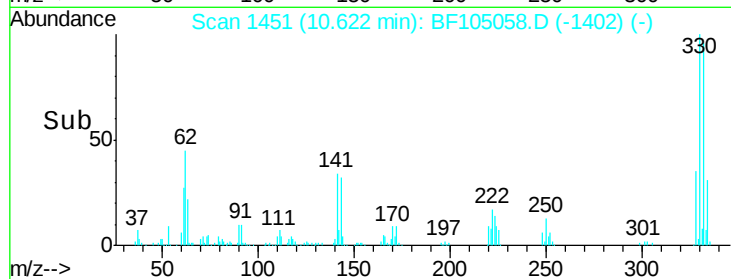
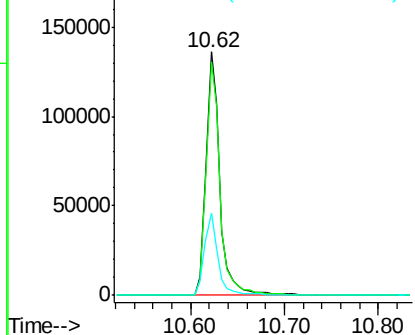
#41  
 2,4,6-Tribromophenol  
 Concen: 85.921 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.01 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 043018-SIDI-F-U-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.0  | 115.6 |
| 141     | 32.9  | 29.9  | 44.9  |

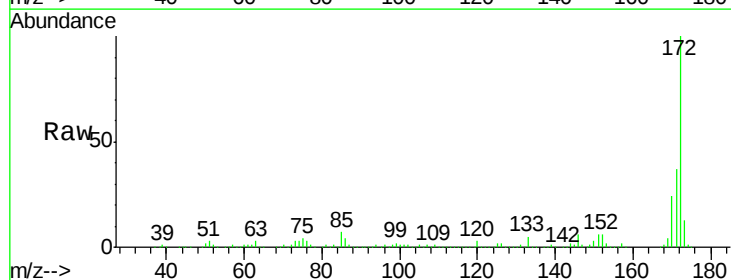


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

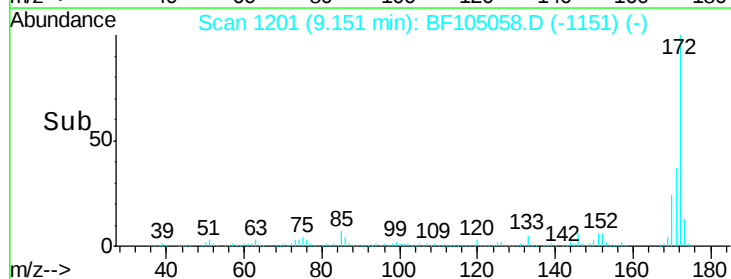
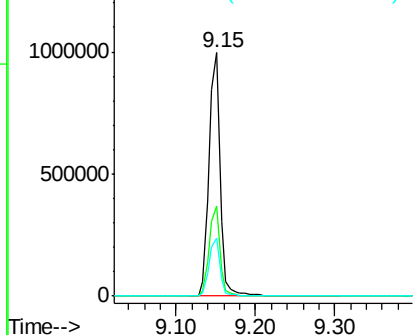


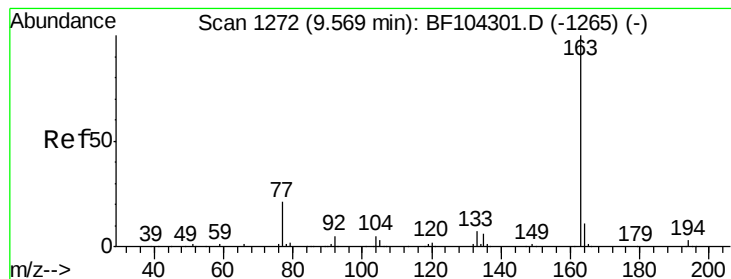
#44  
 2-Fluorobiphenyl  
 Concen: 98.476 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.7  | 44.5  |
| 170     | 24.0  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 2.201 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

Instrument :

BNA\_F

ClientSampleId :

043018-SIDI-F-U-S

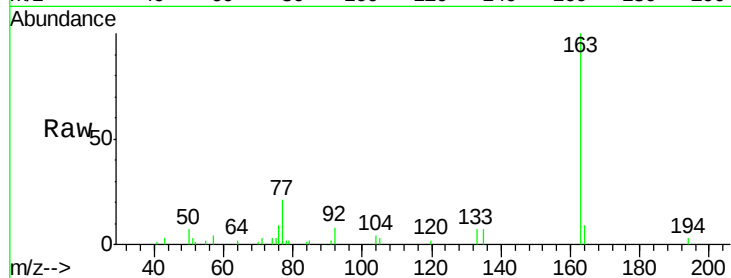
Tgt Ion:163 Resp: 27286

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

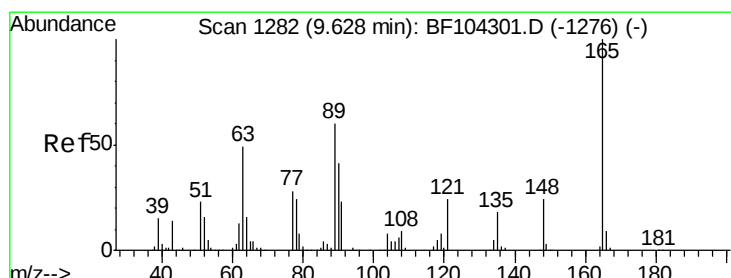
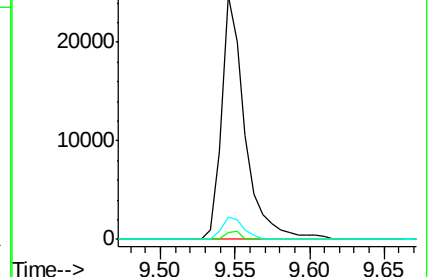
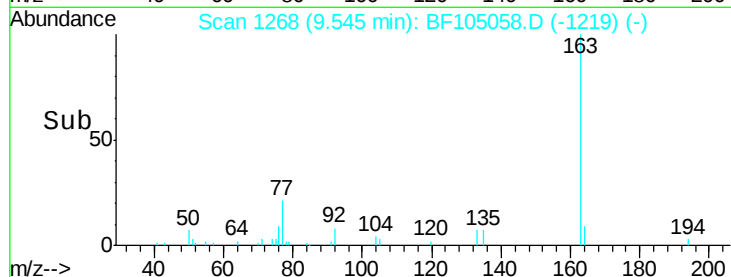
164 9.0 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.547 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105058.D

Acq: 3 May 2018 4:16

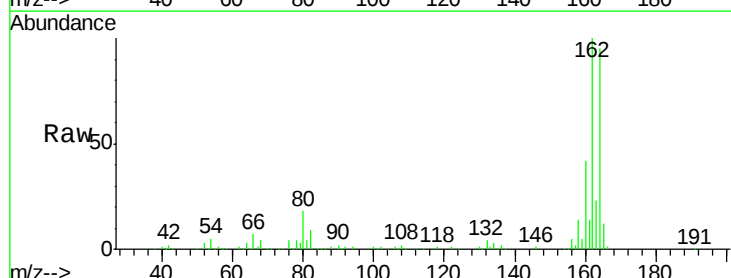
Tgt Ion:165 Resp: 19603

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

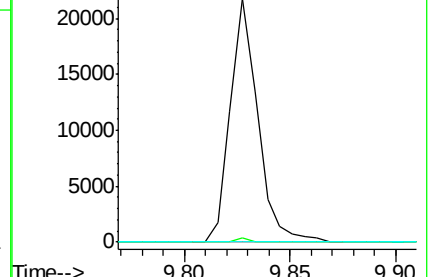
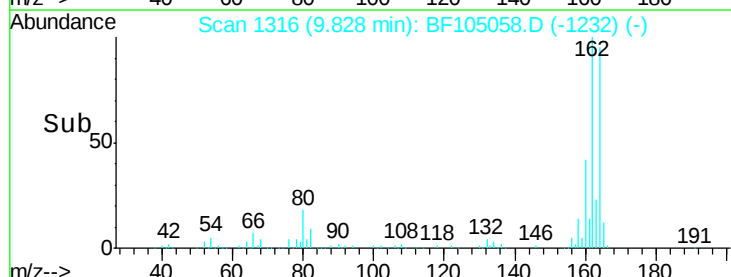
89 0.0 44.0 66.0#

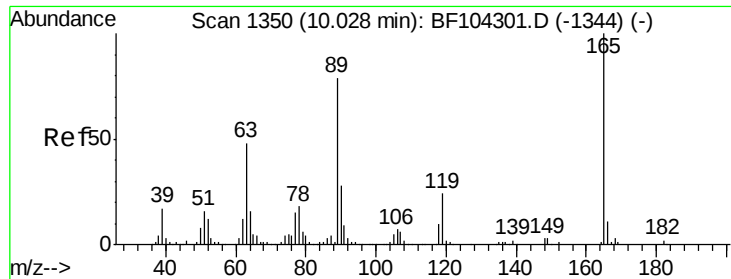


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

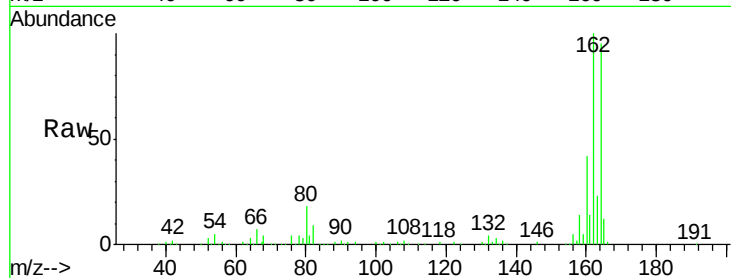




#56  
2,4-Dinitrotoluene  
Concen: 6.516 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.21 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

Instrument :  
BNA\_F  
ClientSampleId :  
043018-SIDI-F-U-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

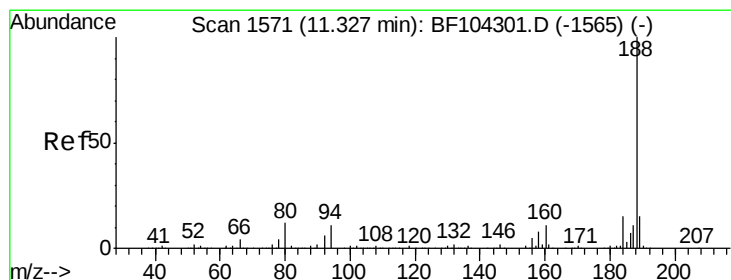
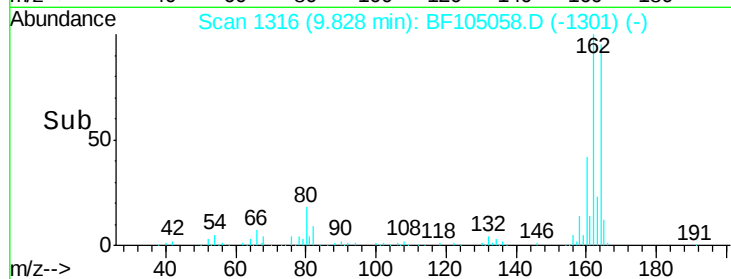
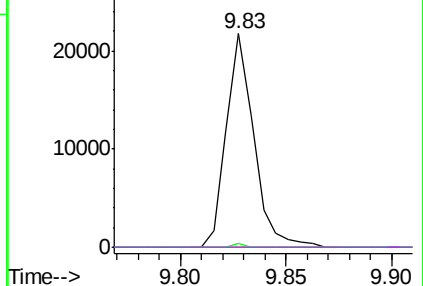


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

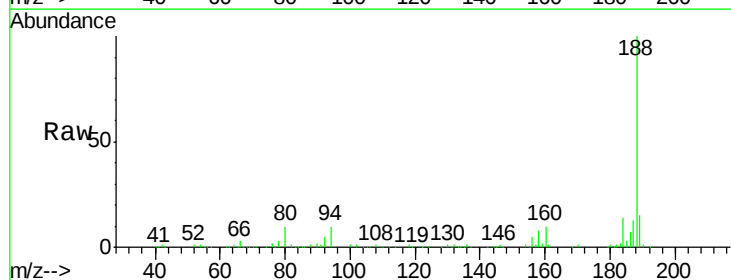
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.00 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

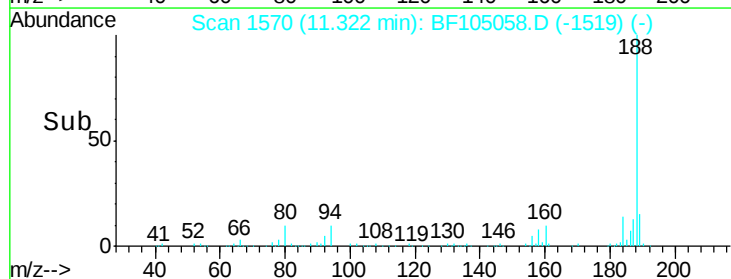
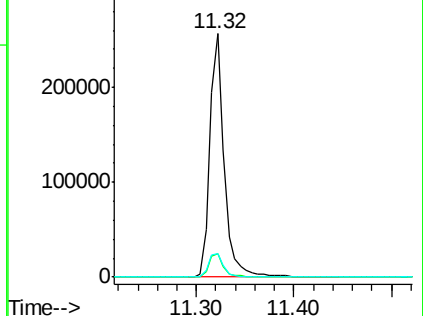
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.8   | 8.5   | 12.7  |
| 80      | 9.6   | 9.2   | 13.8  |

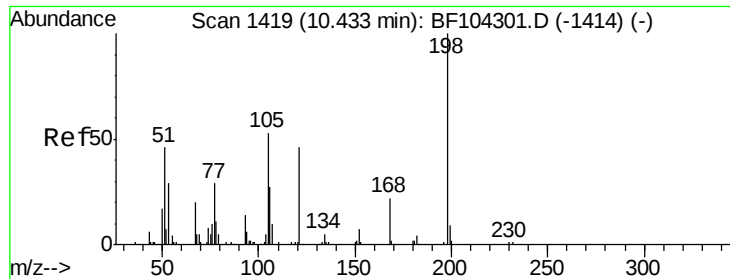


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

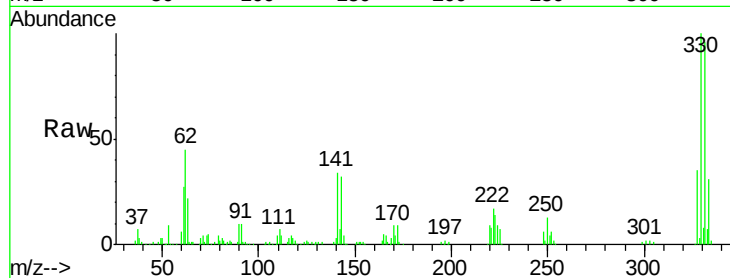




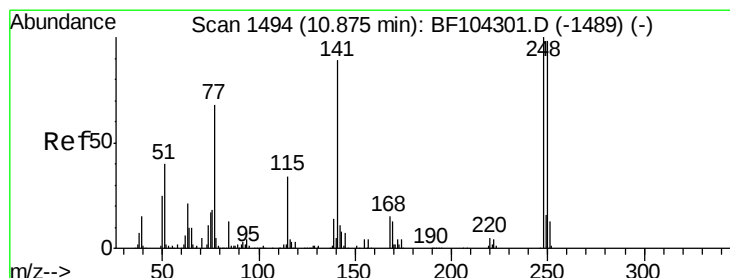
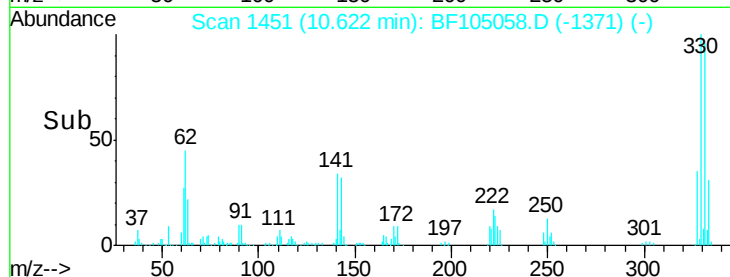
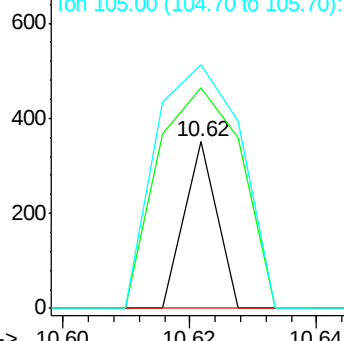
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.429 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. 0.17 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 043018-SIDI-F-U-S

Tgt Ion:198 Resp: 124  
 Ion Ratio Lower Upper  
 198 100  
 51 132.2 37.7 77.7#  
 105 145.9 36.3 76.3#

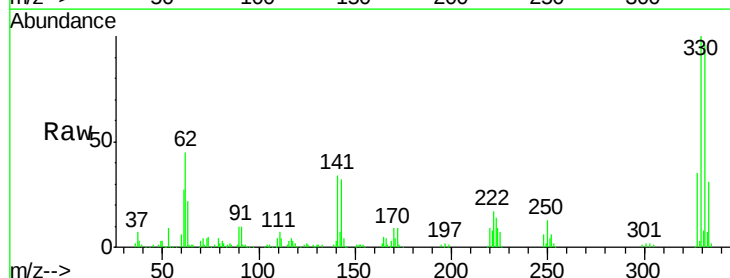


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

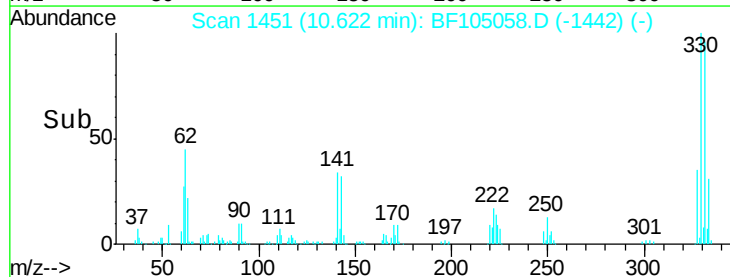
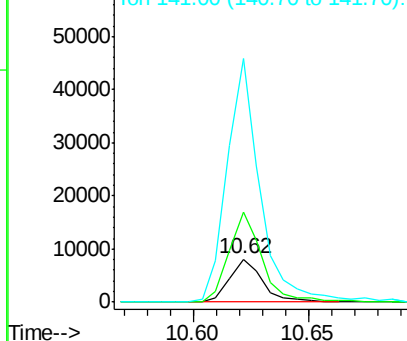


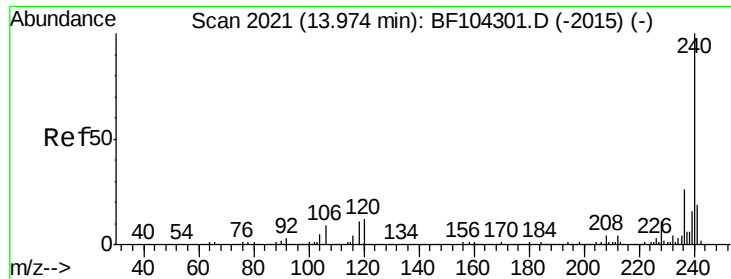
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.916 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.25 min  
 Lab File: BF105058.D  
 Acq: 3 May 2018 4:16

Tgt Ion:248 Resp: 8128  
 Ion Ratio Lower Upper  
 248 100  
 250 210.1 76.9 115.3#  
 141 565.5 74.4 111.6#



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

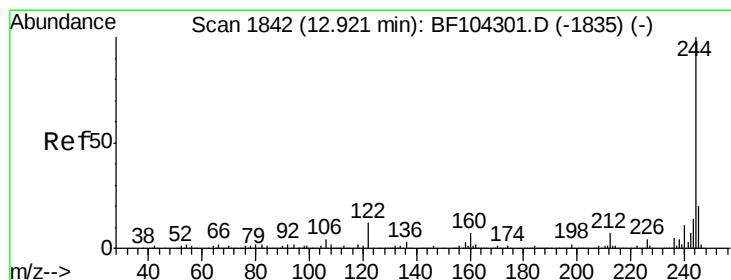
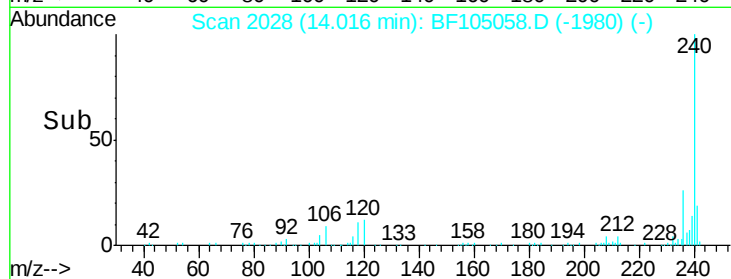
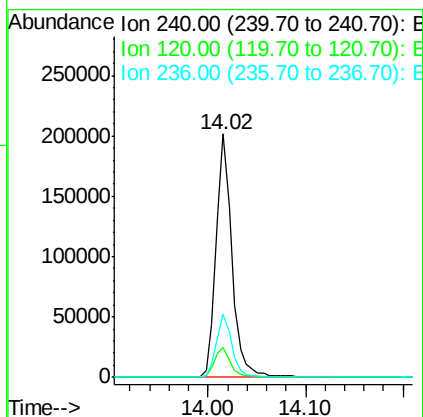
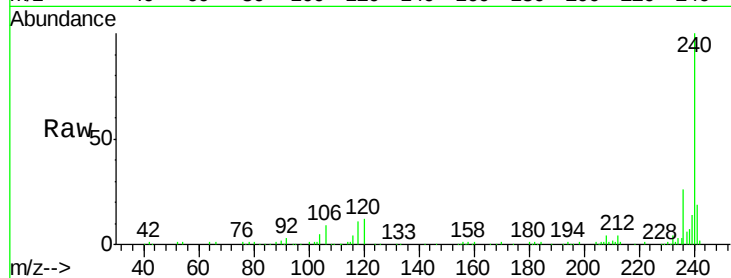




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.02 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

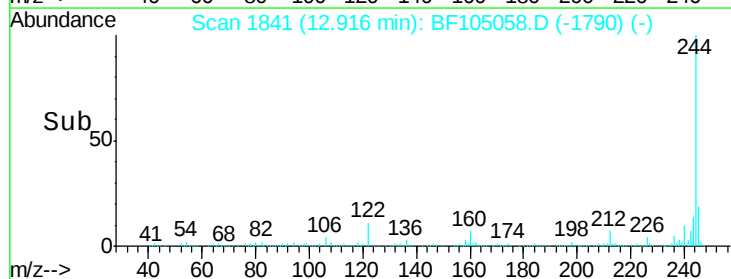
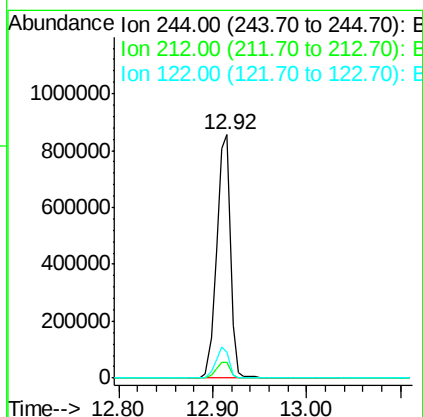
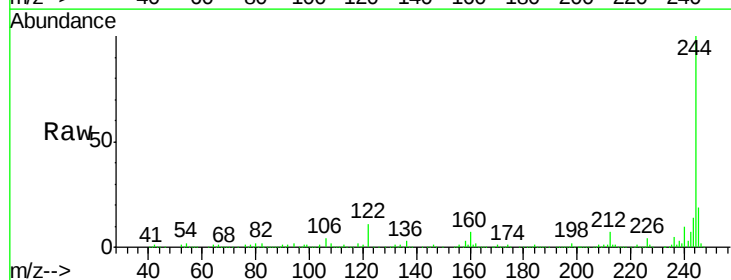
Instrument :  
BNA\_F  
ClientSampleId :  
043018-SIDI-F-U-S

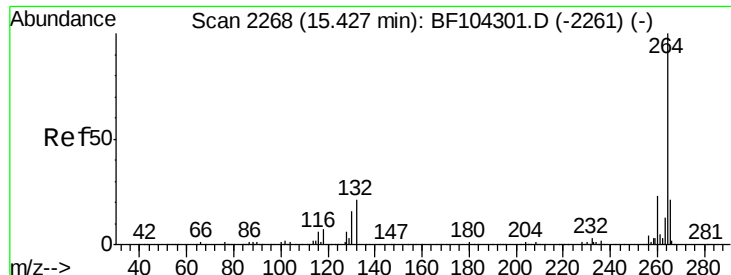
Tgt Ion:240 Resp: 228425  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.5 14.3  
236 25.8 20.7 31.1



#78  
Terphenyl-d14  
Concen: 88.110 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. -0.00 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

Tgt Ion:244 Resp: 882807  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.4 8.0  
122 10.7 11.0 16.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.57 min Scan# 2293  
Delta R.T. -0.02 min  
Lab File: BF105058.D  
Acq: 3 May 2018 4:16

Instrument :  
BNA\_F  
ClientSampleId :  
043018-SIDI-F-U-S

Tgt Ion: 264 Resp: 180318  
Ion Ratio Lower Upper  
264 100  
260 22.7 19.2 28.8  
265 20.7 17.5 26.3

