

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111918\  
 Data File : BF110875.D  
 Acq On : 20 Nov 2018 2:07  
 Operator : JU/SJ  
 Sample : J5985-06  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-TIPC-E-U-M

Quant Time: Nov 20 05:58:13 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

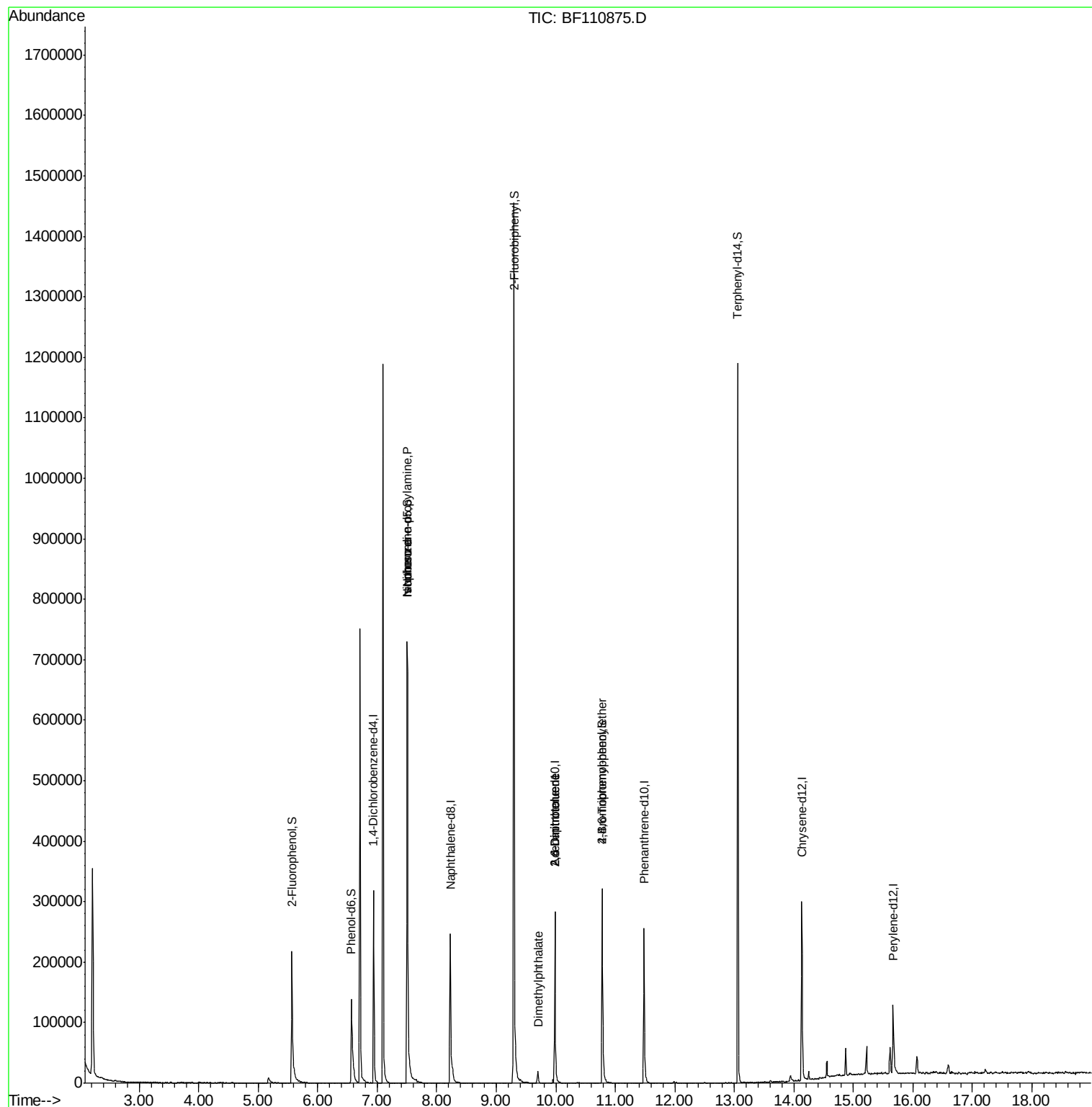
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.94  | 152  | 47272    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.23  | 136  | 185640   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.99  | 164  | 71832    | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10           | 11.48 | 188  | 123350   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 14.13 | 240  | 117730   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12               | 15.67 | 264  | 71961    | 20.00  | ng    | 0.01        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.56  | 112  | 99335    | 34.13  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.57  | 99   | 72758    | 19.55  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.50  | 82   | 292375   | 90.70  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol       | 10.78 | 330  | 51484    | 71.13  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 9.30  | 172  | 535649   | 106.50 | ng    | 0.00        |
| 79) Terphenyl-d14              | 13.06 | 244  | 413188   | 65.73  | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.50  | 70   | 38663    | 16.275 | ng    | Qvalue # 81 |
| 25) Isophorone                 | 7.50  | 82   | 292373   | 55.339 | ng    | # 67        |
| 50) Dimethylphthalate          | 9.70  | 163  | 13810    | 2.577  | ng    | 96          |
| 51) 2,6-Dinitrotoluene         | 9.99  | 165  | 8793     | 7.458  | ng    | # 21        |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 8793     | 5.736  | ng    | # 17        |
| 67) 4-Bromophenyl-phenylether  | 10.78 | 248  | 3053     | 2.239  | ng    | # 1         |

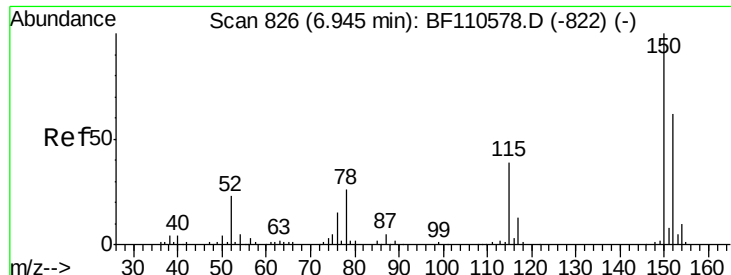
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
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111518-TIPC-E-U-M

Quant Time: Nov 20 05:58:13 2018  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 13 12:43:10 2018  
Response via : Initial Calibration

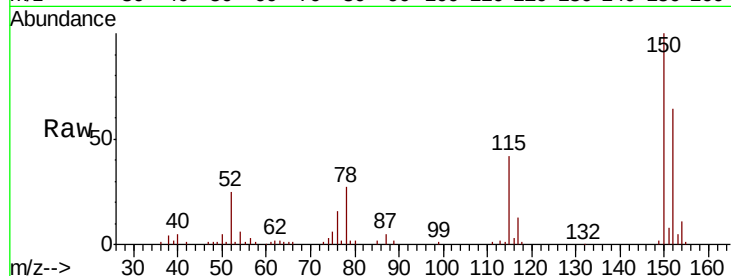




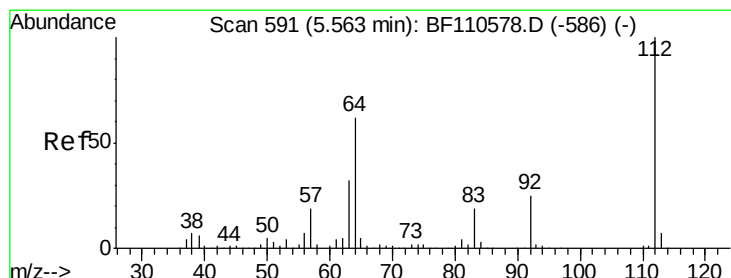
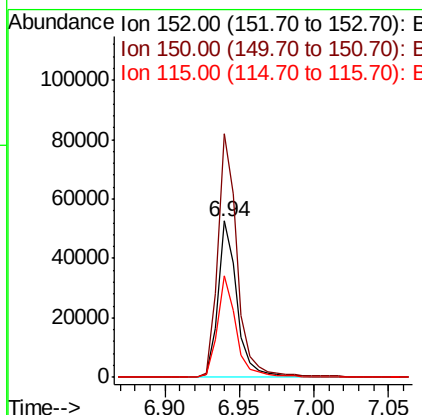
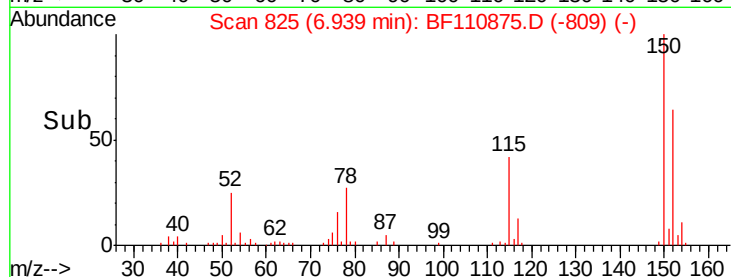
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.94 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-TIPC-E-U-M

Tgt Ion:152 Resp: 47272  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 122.7 184.1  
 115 65.0 49.1 73.7

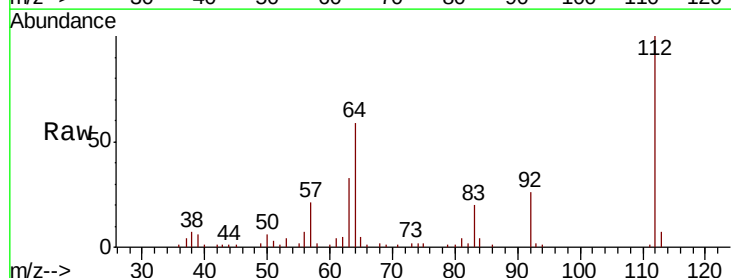


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

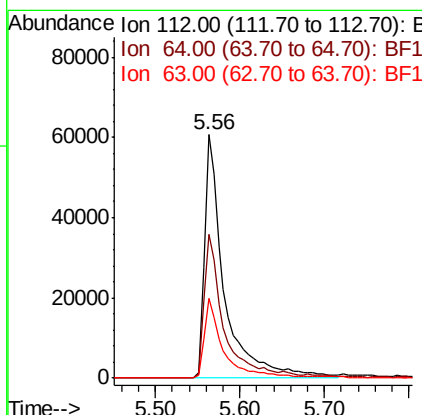
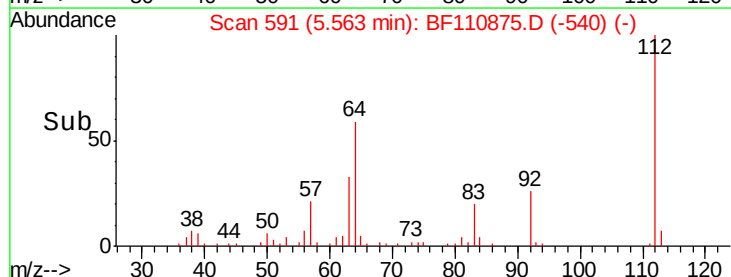


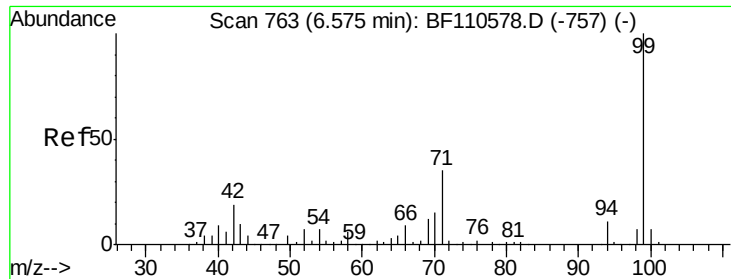
#5  
 2-Fluorophenol  
 Concen: 34.133 ng  
 RT: 5.56 min Scan# 591  
 Delta R.T. 0.00 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Tgt Ion:112 Resp: 99335  
 Ion Ratio Lower Upper  
 112 100  
 64 59.0 44.1 66.1  
 63 32.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.551 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

Instrument :

BNA\_F

ClientSampleId :

111518-TIPC-E-U-M

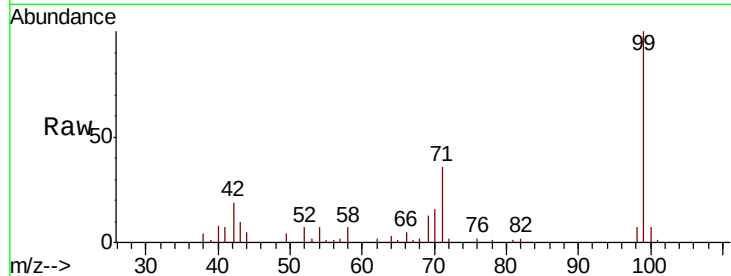
Tgt Ion: 99 Resp: 72758

Ion Ratio Lower Upper

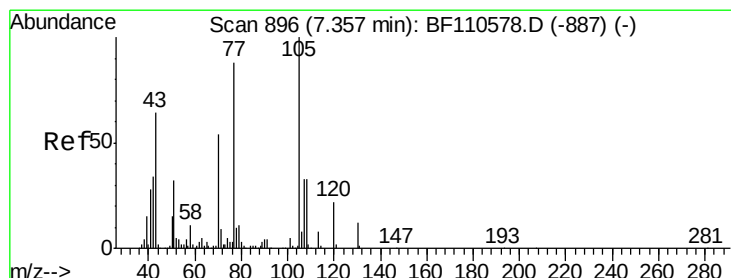
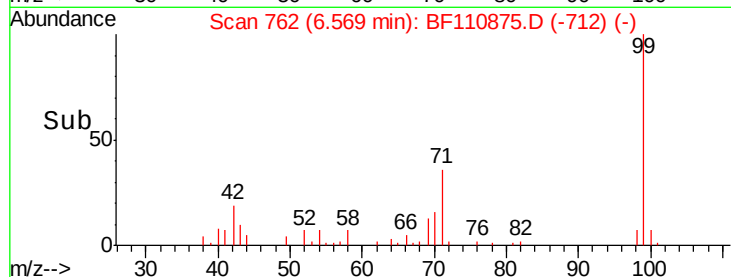
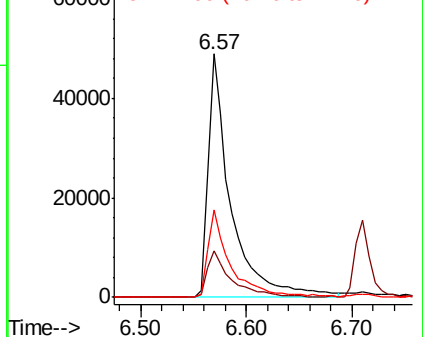
99 100

42 19.4 15.8 23.6

71 36.1 28.0 42.0



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: 16.275 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

Tgt Ion: 70 Resp: 38663

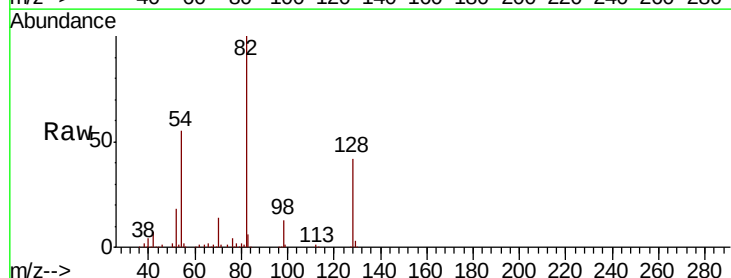
Ion Ratio Lower Upper

70 100

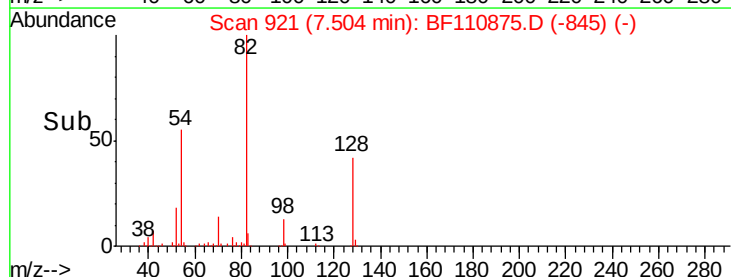
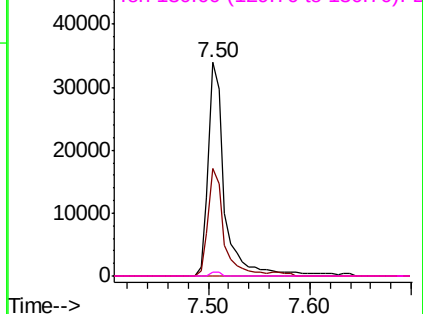
42 50.6 47.4 71.2

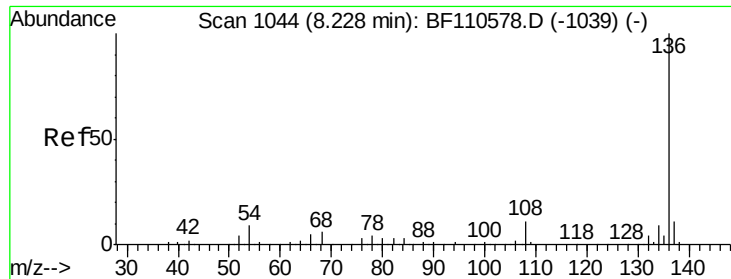
101 0.0 7.3 10.9#

130 1.6 16.2 24.2#



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): E  
Ion 130.00 (129.70 to 130.70): E

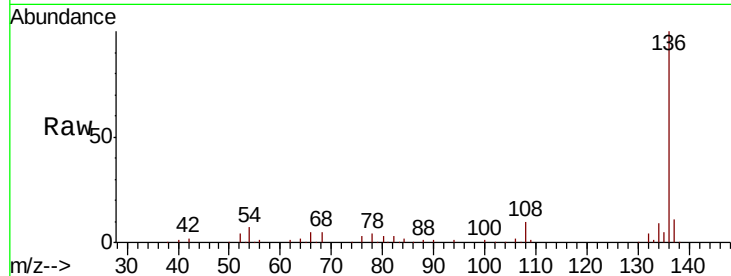




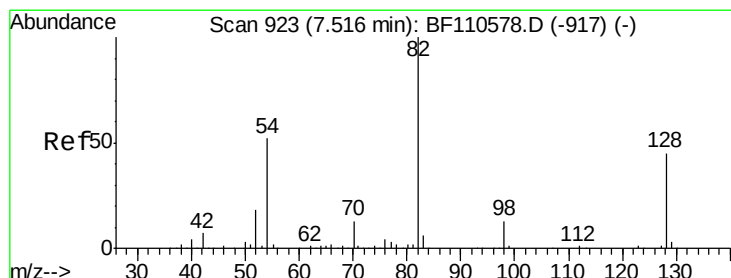
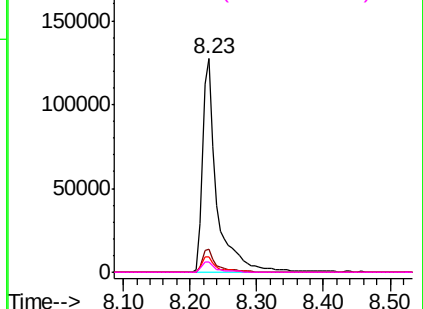
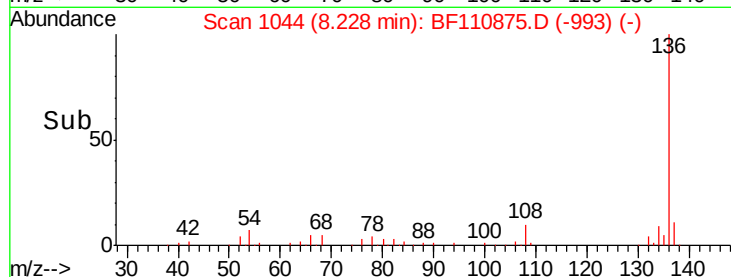
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: BF110875.D  
Acq: 20 Nov 2018 2:07

Instrument :  
BNA\_F  
ClientSampleId :  
111518-TIPC-E-U-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 185640 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.8   | 13.2   |
| 54       | 7.2   | 5.4   | 8.2    |
| 68       | 4.8   | 4.2   | 6.2    |

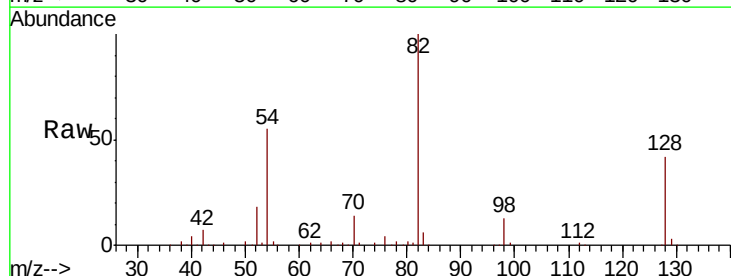


Abundance Ion 136.00 (135.70 to 136.70): E  
200000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

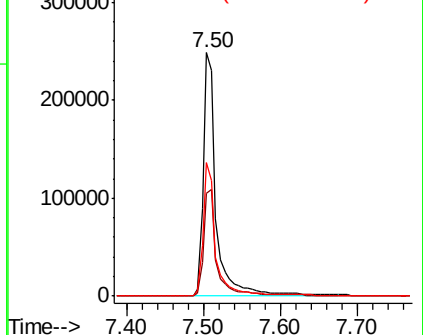
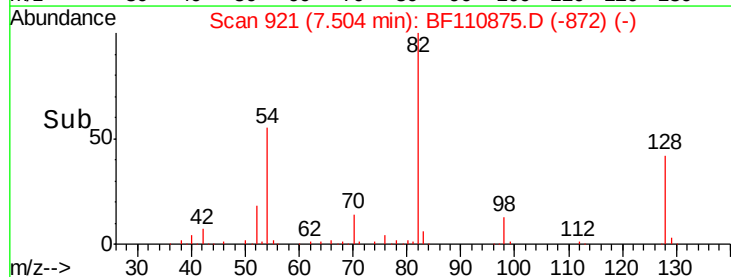


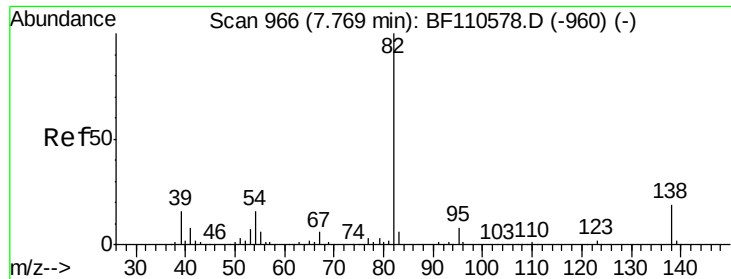
#23  
Nitrobenzene-d5  
Concen: 90.701 ng  
RT: 7.50 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: BF110875.D  
Acq: 20 Nov 2018 2:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 292375 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.1  | 34.2  | 51.2   |
| 54       | 54.9  | 38.6  | 58.0   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
300000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.339 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

Instrument :

BNA\_F

ClientSampleId :

111518-TIPC-E-U-M

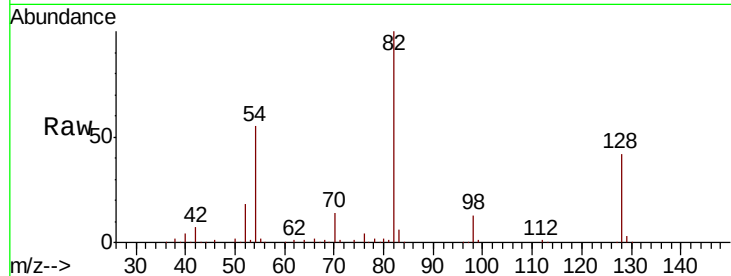
Tgt Ion: 82 Resp: 292373

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

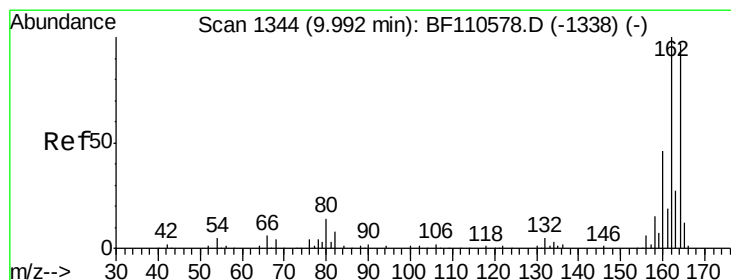
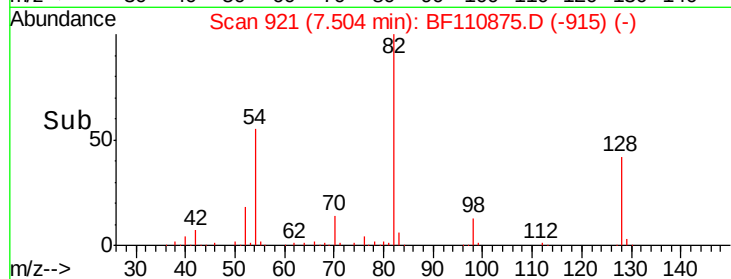
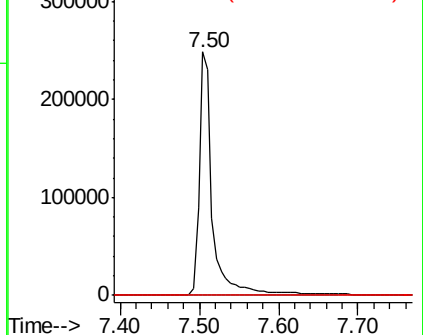
138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

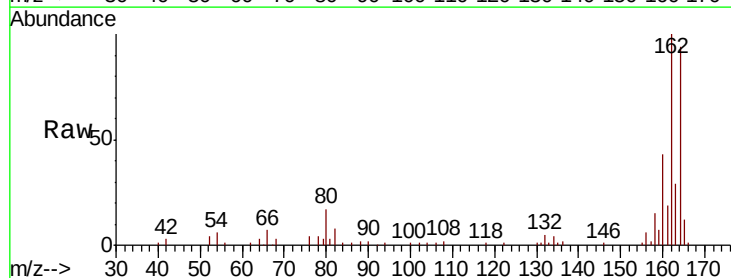
Tgt Ion: 164 Resp: 71832

Ion Ratio Lower Upper

164 100

162 106.8 83.0 124.6

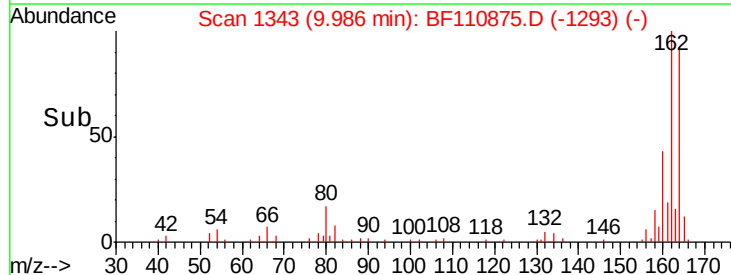
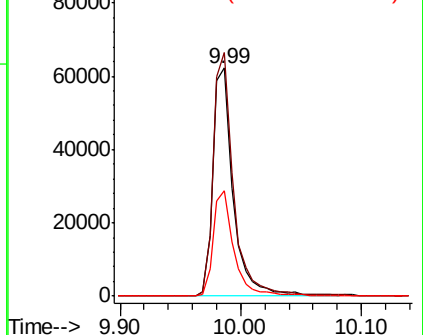
160 46.3 37.0 55.6

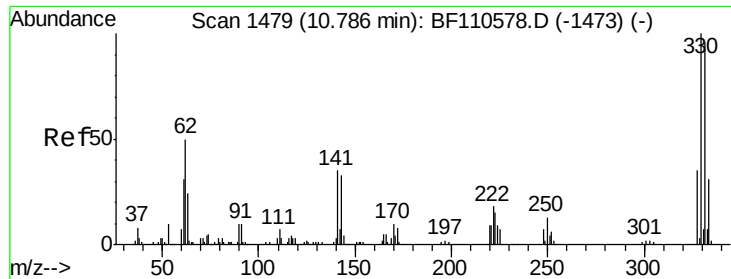


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

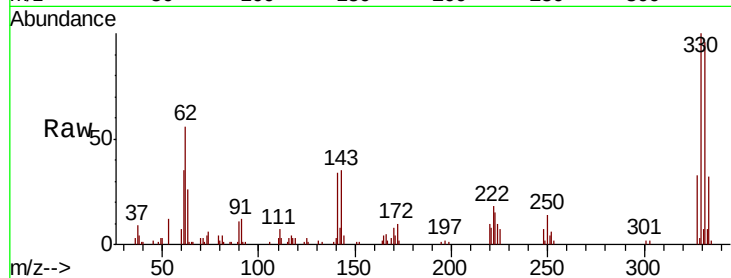




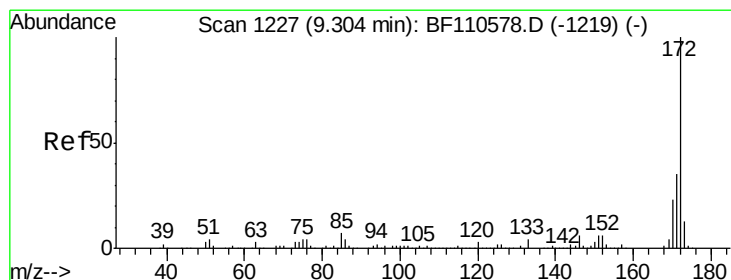
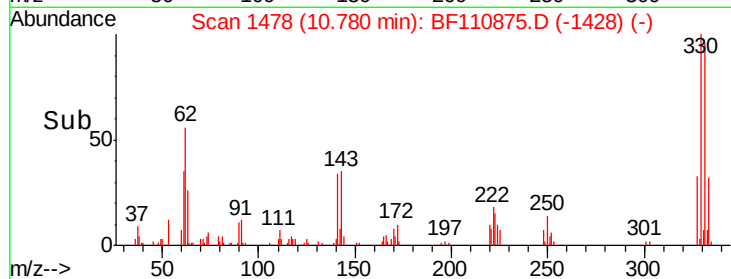
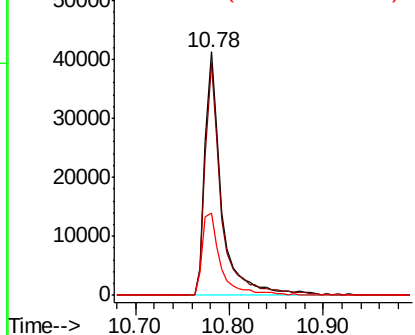
#42  
 2,4,6-Tribromophenol  
 Concen: 71.130 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-TIPC-E-U-M

Tgt Ion:330 Resp: 51484  
 Ion Ratio Lower Upper  
 330 100  
 332 93.3 77.1 115.7  
 141 37.2 27.0 40.4

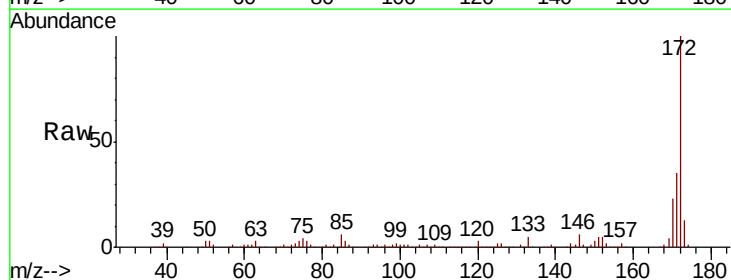


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

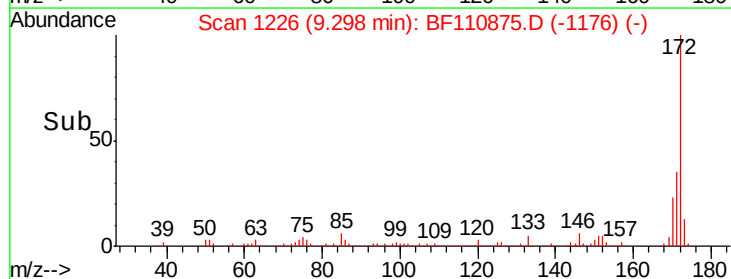
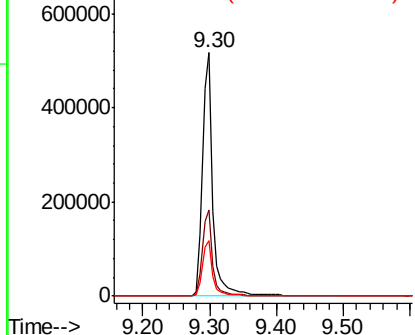


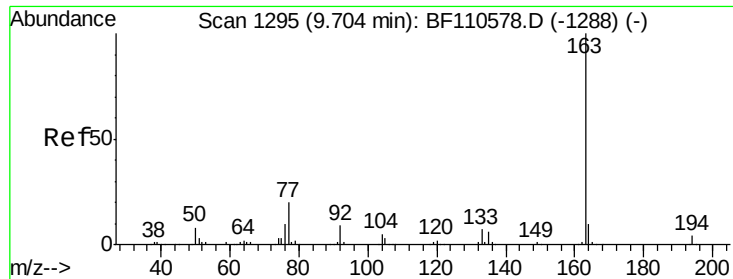
#45  
 2-Fluorobiphenyl  
 Concen: 106.499 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Tgt Ion:172 Resp: 535649  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 22.8 19.7 29.5



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

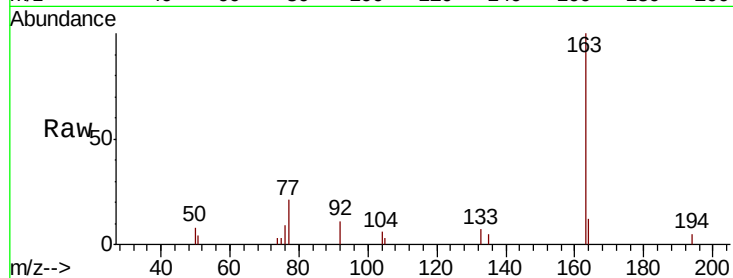




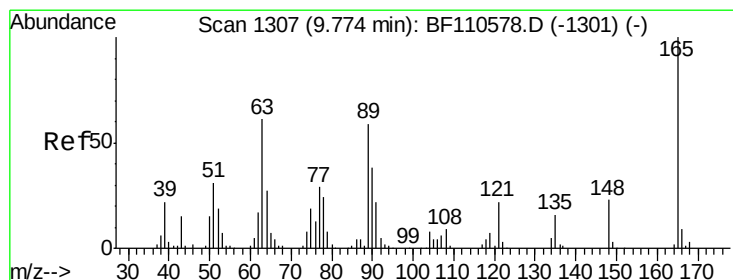
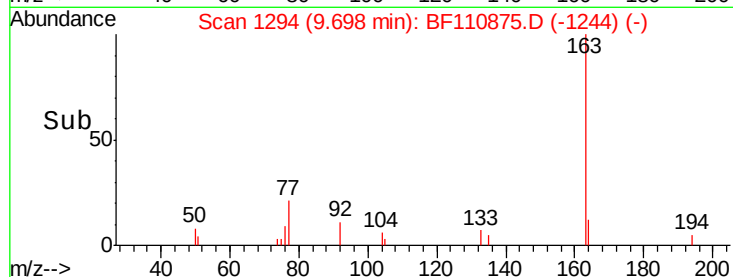
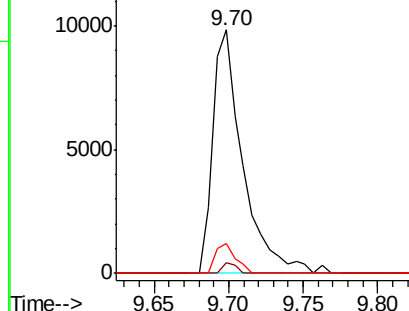
#50  
Dimethylphthalate  
Concen: 2.577 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BF110875.D  
Acq: 20 Nov 2018 2:07

Instrument :  
BNA\_F  
ClientSampleId :  
111518-TIPC-E-U-M

Tgt Ion:163 Resp: 13810  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.2 4.8  
164 12.0 8.1 12.1

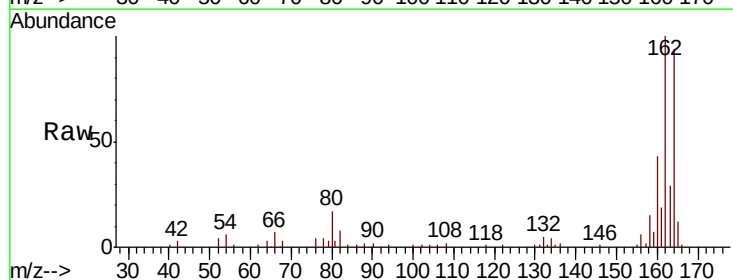


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

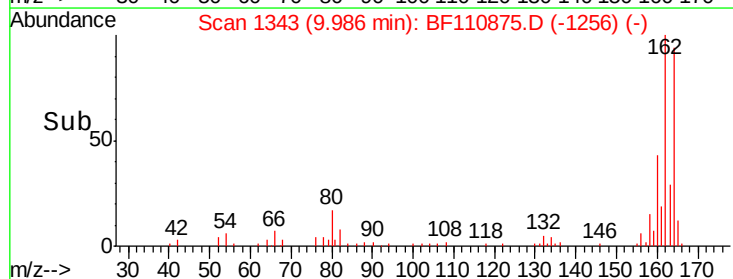
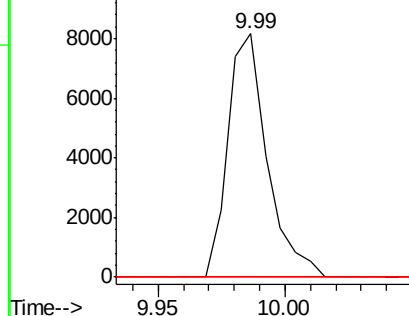


#51  
2,6-Dinitrotoluene  
Concen: 7.458 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. 0.21 min  
Lab File: BF110875.D  
Acq: 20 Nov 2018 2:07

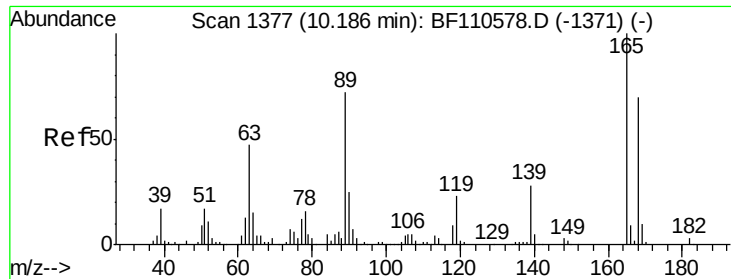
Tgt Ion:165 Resp: 8793  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.9 73.3#  
89 0.0 46.6 69.8#



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



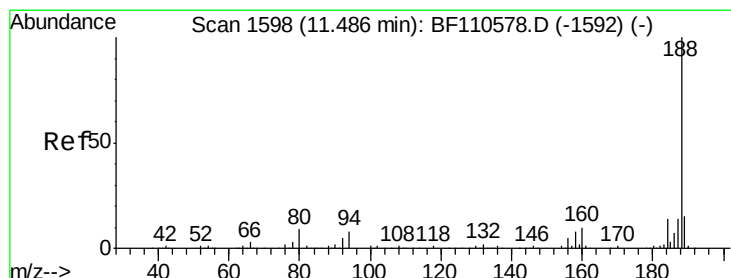
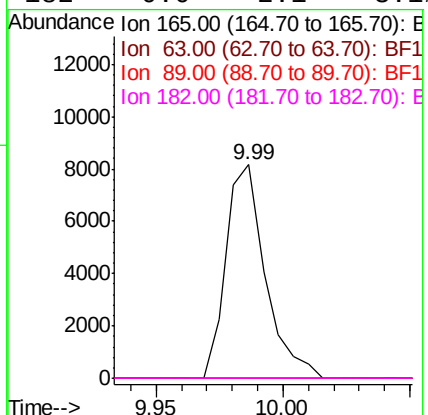
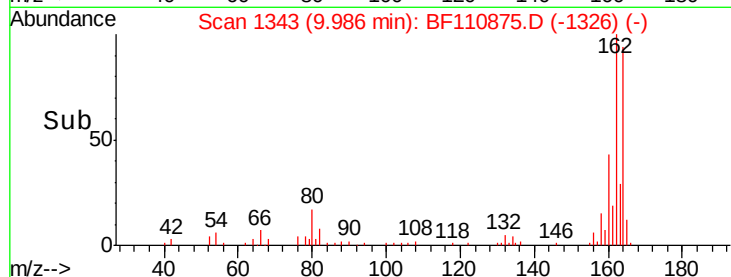
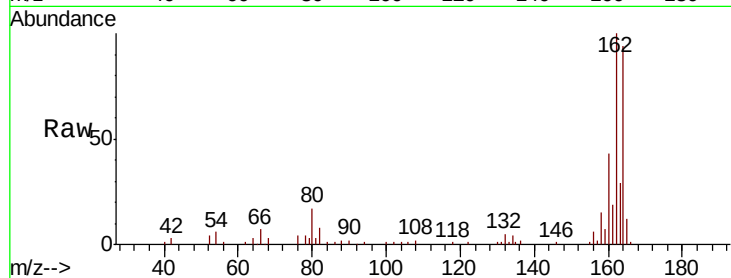




#57  
 2,4-Dinitrotoluene  
 Concen: 5.736 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. -0.20 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

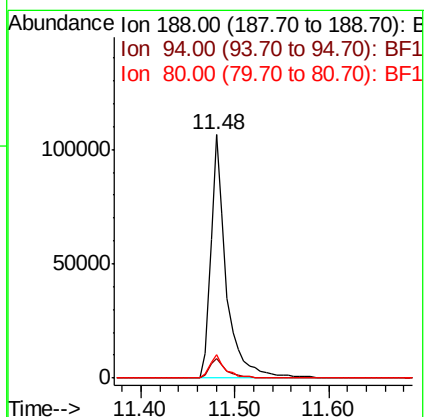
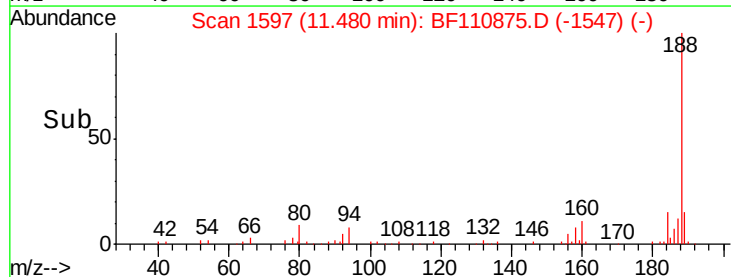
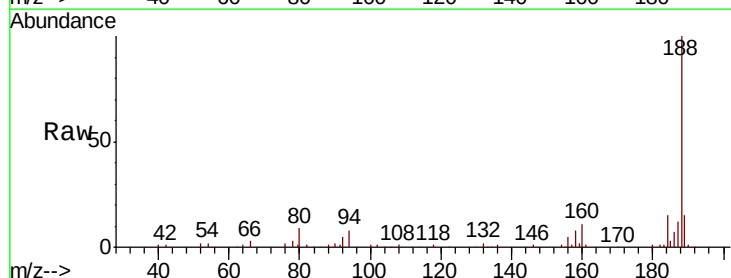
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-TIPC-E-U-M

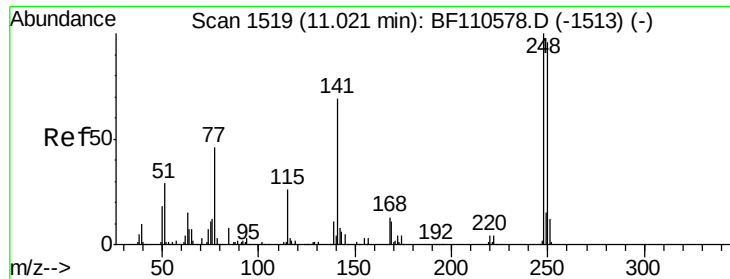
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 8793  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 44.8  | 67.2# |
| 89       | 0.0   | 62.2  | 93.4# |
| 182      | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 123350 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.3   | 7.2   | 10.8   |
| 80       | 9.4   | 7.9   | 11.9   |

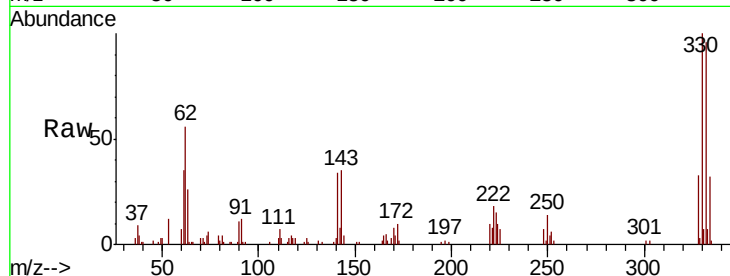




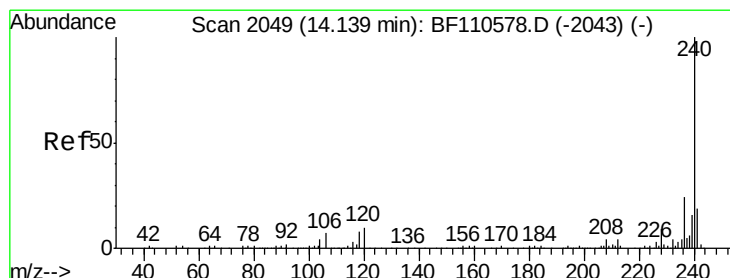
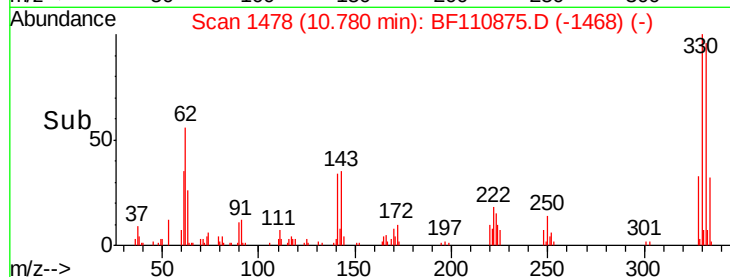
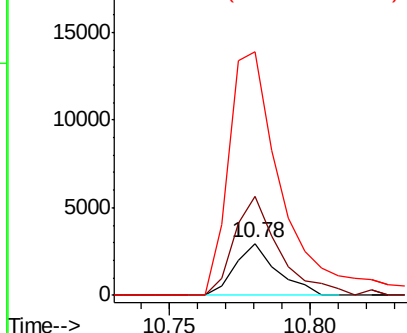
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.239 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.24 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-TIPC-E-U-M

Tgt Ion:248 Resp: 3053  
 Ion Ratio Lower Upper  
 248 100  
 250 192.5 79.4 119.2#  
 141 471.4 55.9 83.9#

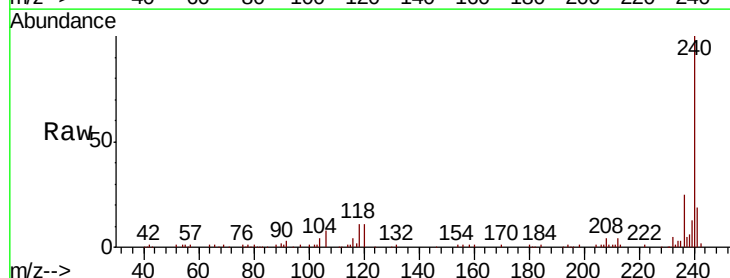


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

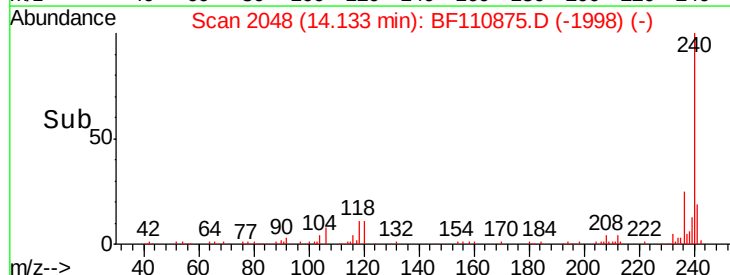
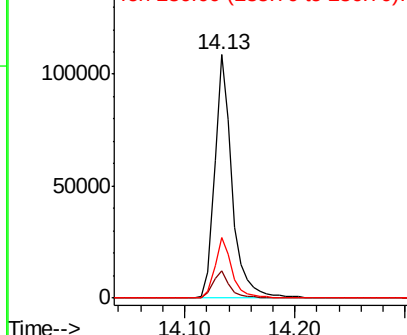


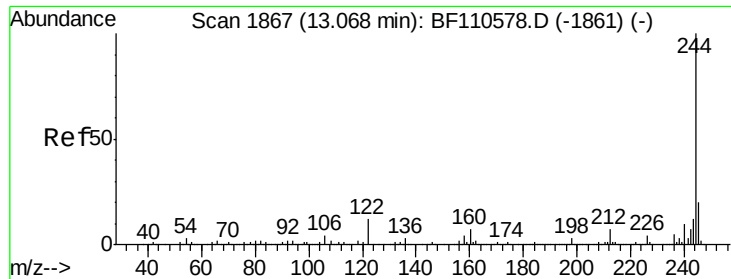
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.13 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: BF110875.D  
 Acq: 20 Nov 2018 2:07

Tgt Ion:240 Resp: 117730  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 8.3 12.5  
 236 24.8 21.2 31.8



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





#79

Terphenyl-d14

Concen: 65.727 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

Instrument :

BNA\_F

ClientSampleId :

111518-TIPC-E-U-M

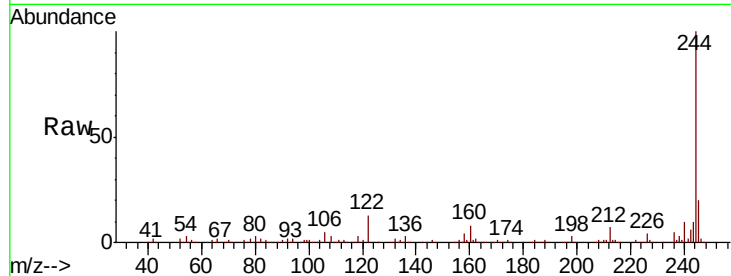
Tgt Ion:244 Resp: 413188

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

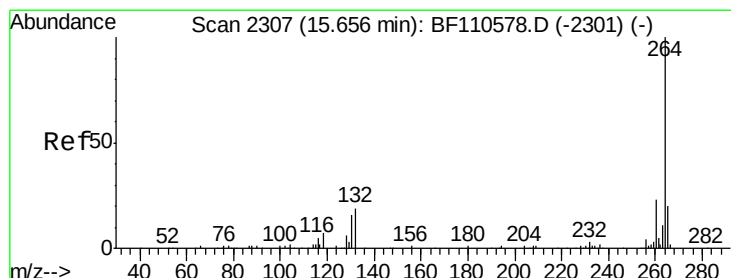
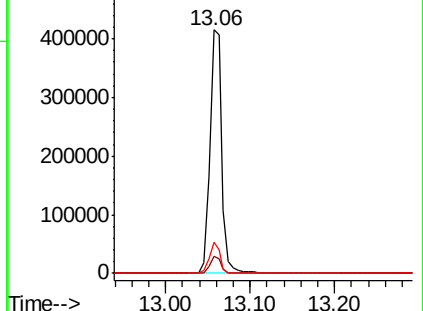
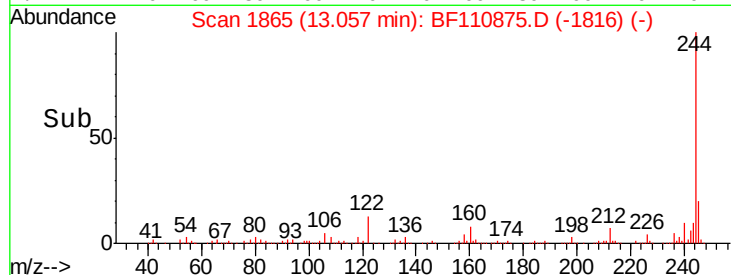
122 13.0 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BF110875.D

Acq: 20 Nov 2018 2:07

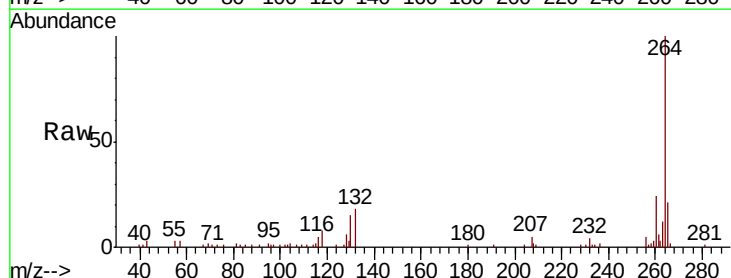
Tgt Ion:264 Resp: 71961

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 21.2 16.7 25.1



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

