

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100218\  
 Data File : BF109527.D  
 Acq On : 3 Oct 2018 3:37  
 Operator : JU/SJ  
 Sample : J5187-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

Quant Time: Oct 03 05:03:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

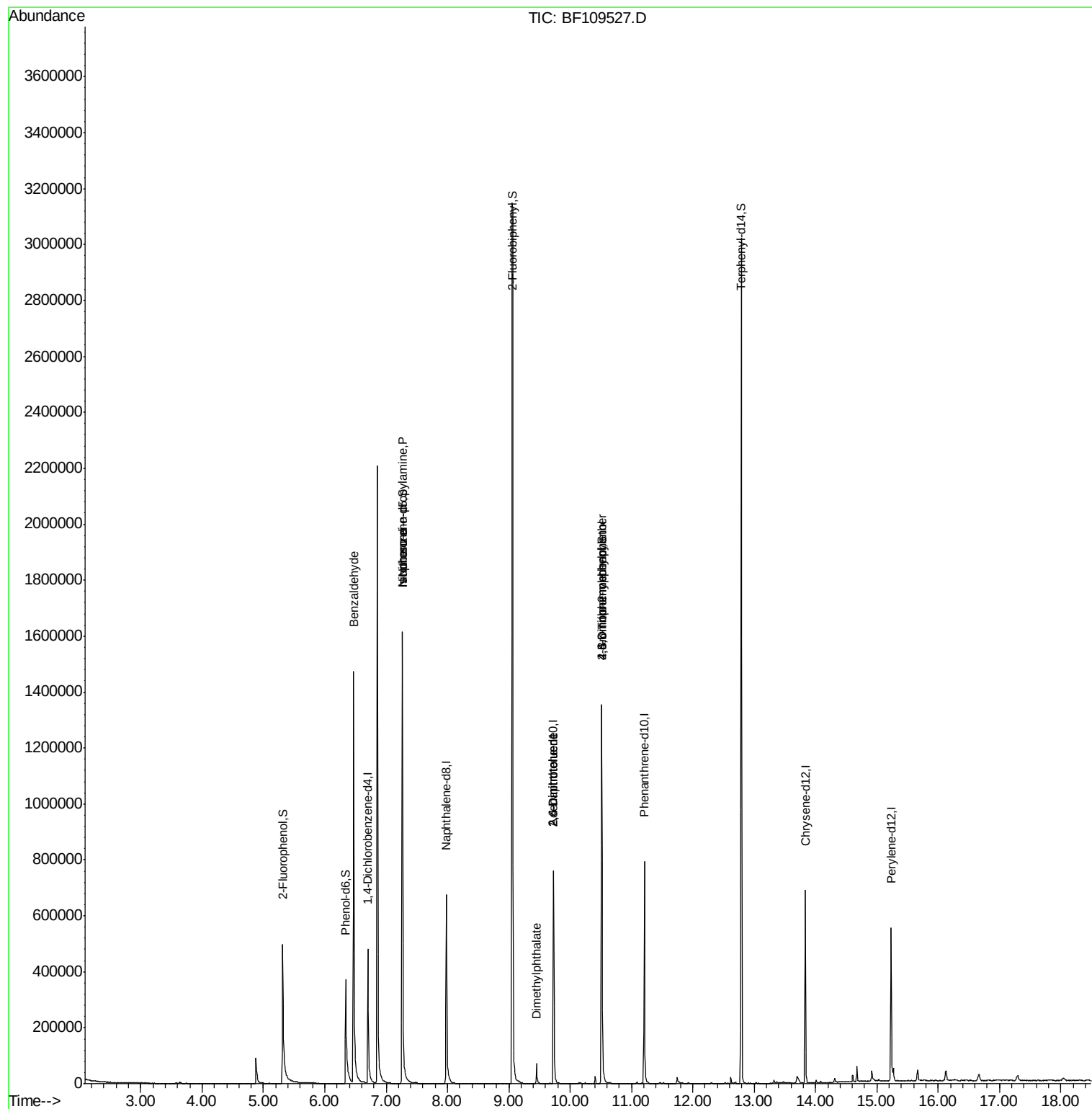
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 99982    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 383933   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.73  | 164  | 178258   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.21 | 188  | 325675   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 249543   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.23 | 264  | 251451   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 239627   | 39.48  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.34  | 99   | 194991   | 25.17  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.27  | 82   | 674515   | 103.71 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 179425   | 102.11 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 1218516  | 103.10 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.79 | 244  | 1079660  | 106.18 | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.47  | 77   | 10594    | 2.129  | ng    | # 75     |
| 19) n-Nitroso-di-n-propylamine | 7.27  | 70   | 89563    | 17.646 | ng    | # 76     |
| 25) Isophorone                 | 7.27  | 82   | 662072   | 56.531 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.45  | 163  | 41802    | 3.224  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.73  | 165  | 21855    | 8.511  | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 9.73  | 165  | 21855    | 6.727  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198  | 276      | 6.703  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 10754    | 2.974  | ng    | # 1      |

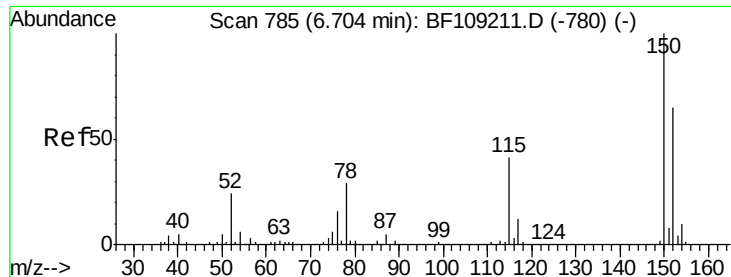
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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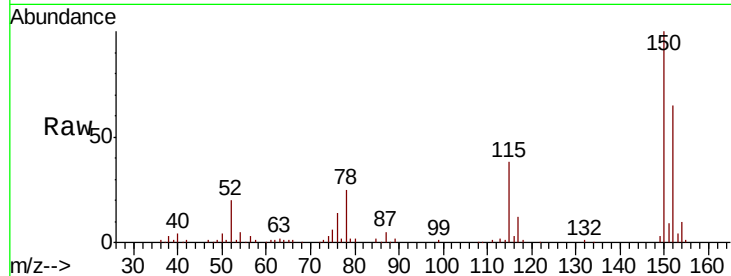




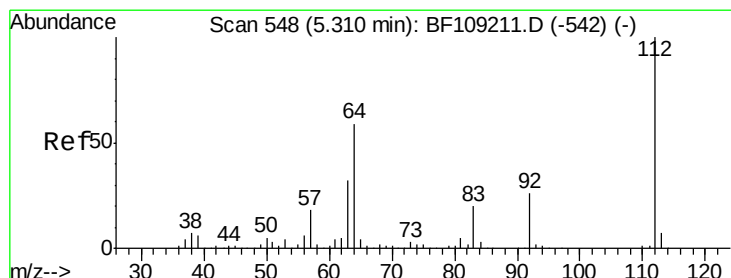
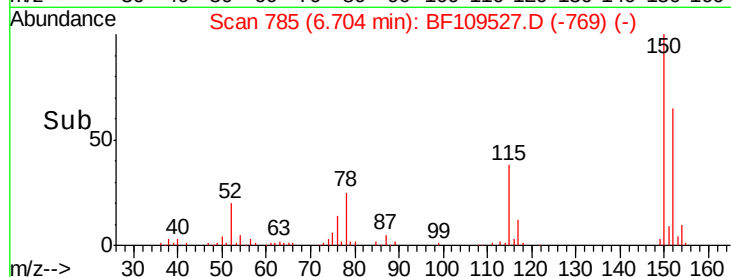
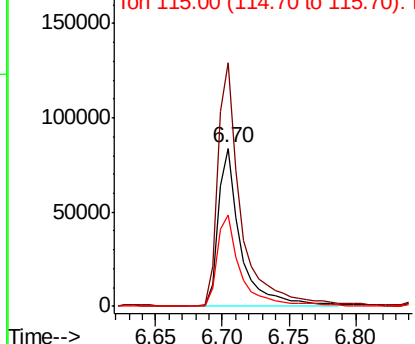
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

Tgt Ion:152 Resp: 99982  
 Ion Ratio Lower Upper  
 152 100  
 150 154.1 124.6 186.8  
 115 58.2 50.1 75.1

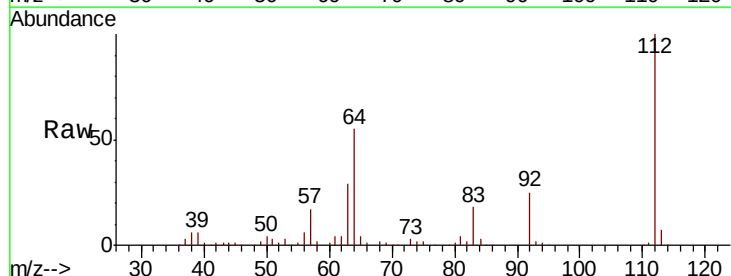


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

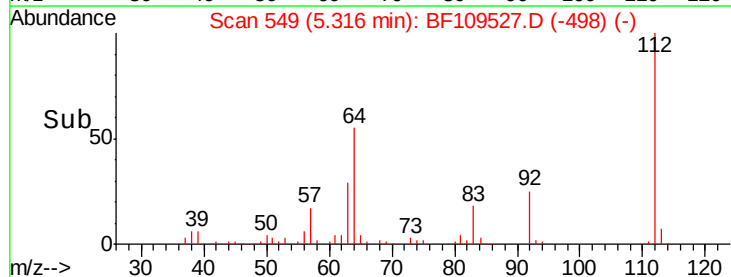
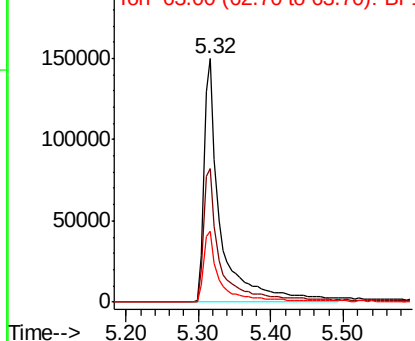


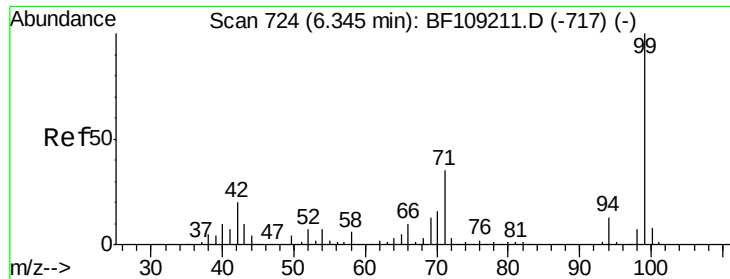
#5  
 2-Fluorophenol  
 Concen: 39.476 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. 0.00 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Tgt Ion:112 Resp: 239627  
 Ion Ratio Lower Upper  
 112 100  
 64 55.0 47.9 71.9  
 63 28.9 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: 25.173 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

Instrument :

BNA\_F

ClientSampleId :

092818-JETT-F-U-S

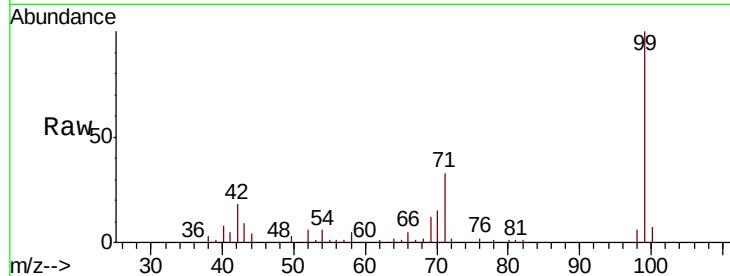
Tgt Ion: 99 Resp: 194991

Ion Ratio Lower Upper

99 100

42 17.7 14.5 21.7

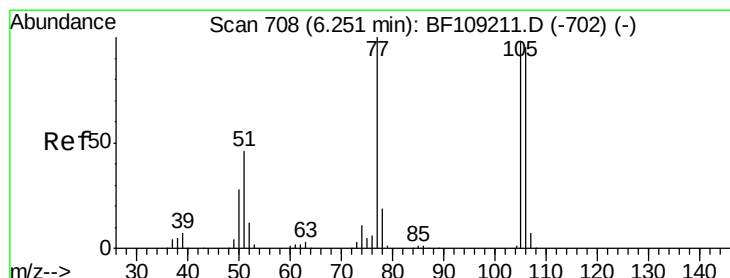
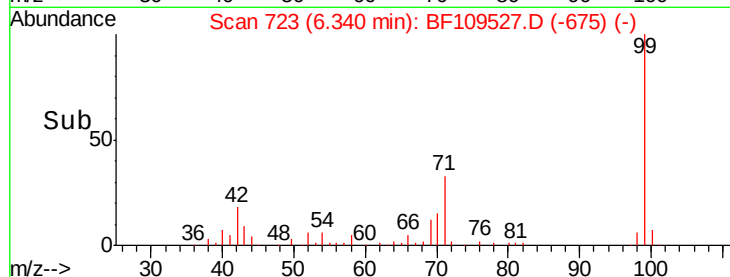
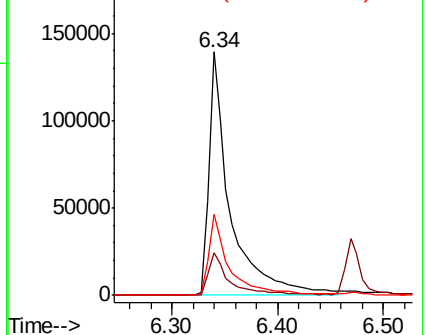
71 33.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.129 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.22 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

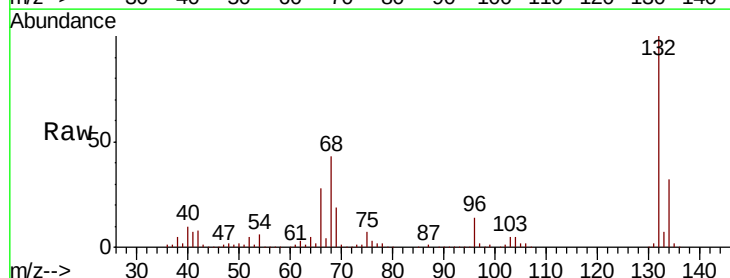
Tgt Ion: 77 Resp: 10594

Ion Ratio Lower Upper

77 100

105 76.3 81.1 121.1#

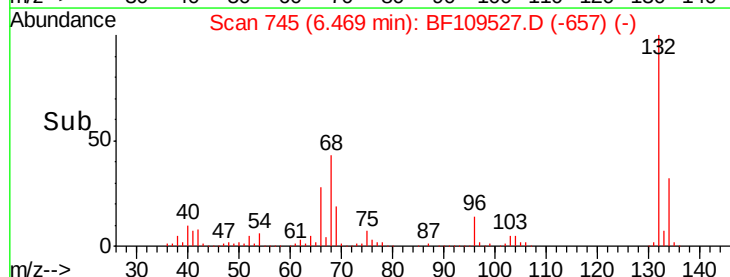
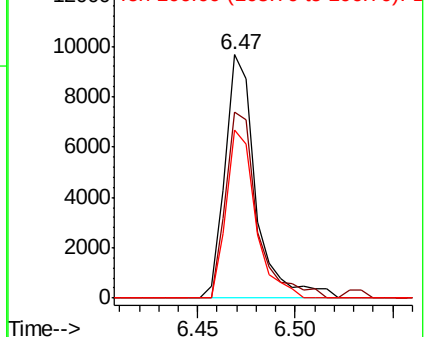
106 68.9 74.5 114.5#

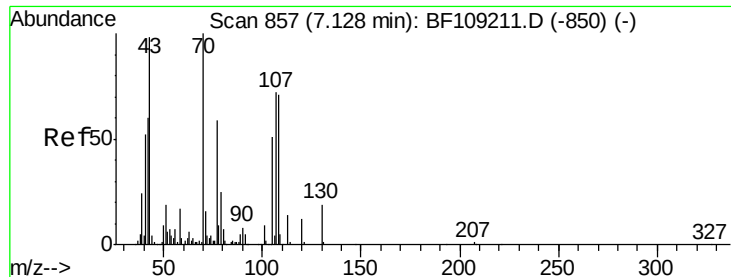


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

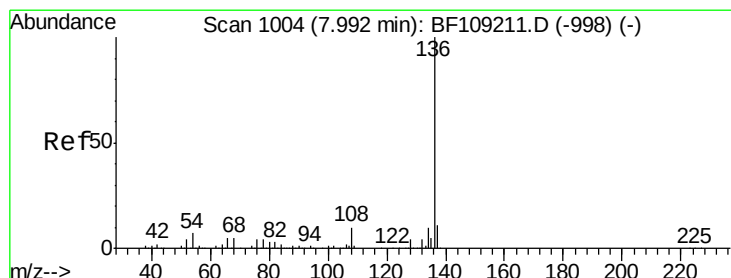
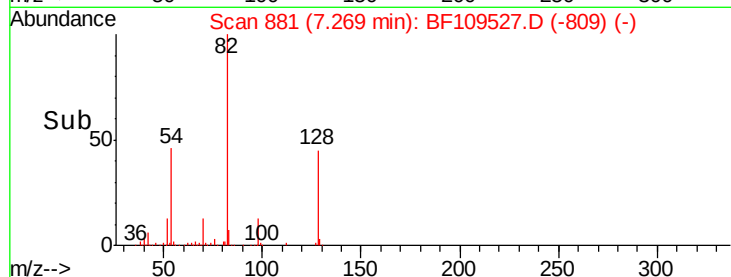
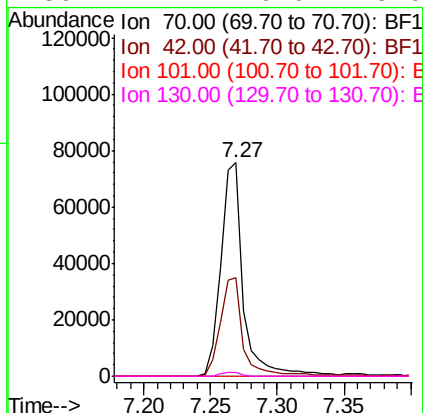
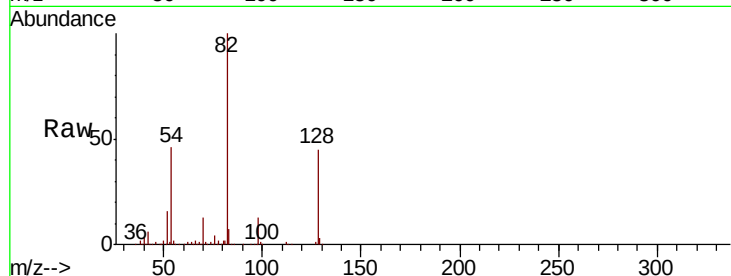




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.646 ng  
RT: 7.27 min Scan# 881  
Delta R.T. 0.12 min  
Lab File: BF109527.D  
Acq: 3 Oct 2018 3:37

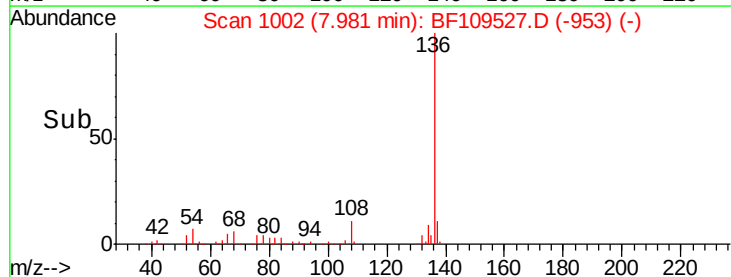
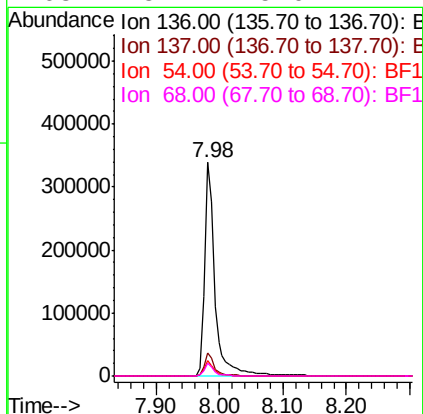
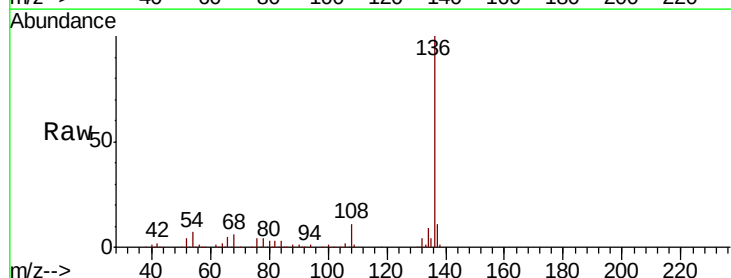
Instrument :  
BNA\_F  
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092818-JETT-F-U-S

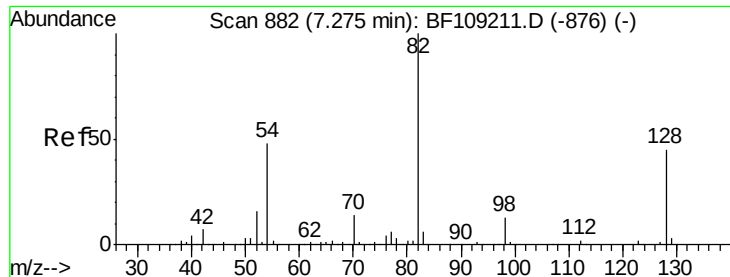
Tgt Ion: 70 Resp: 89563  
Ion Ratio Lower Upper  
70 100  
42 46.0 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF109527.D  
Acq: 3 Oct 2018 3:37

Tgt Ion: 136 Resp: 383933  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.4 6.6 9.8  
68 5.7 5.0 7.4

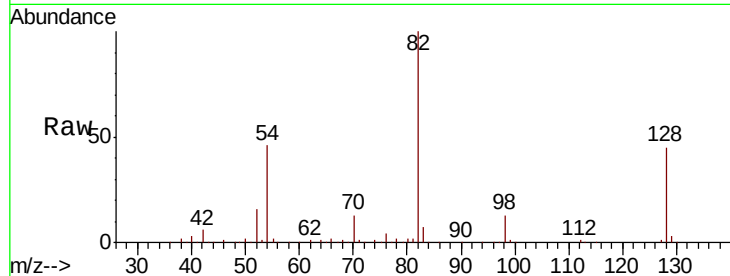




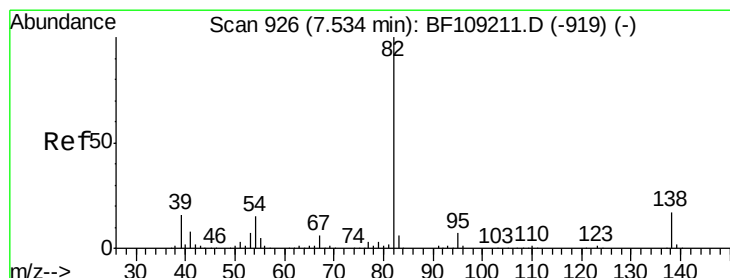
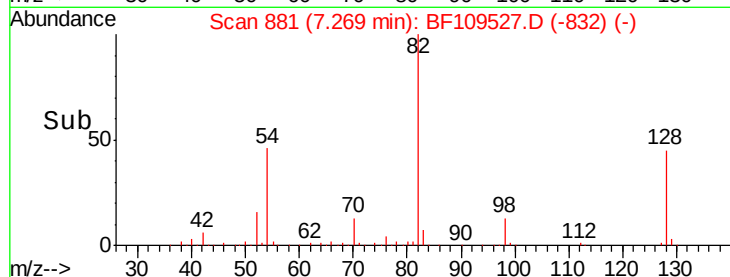
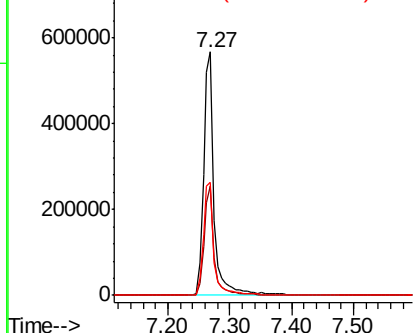
#23  
 Nitrobenzene-d5  
 Concen: 103.710 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

Tgt Ion: 82 Resp: 674515  
 Ion Ratio Lower Upper  
 82 100  
 128 45.0 36.1 54.1  
 54 46.4 41.4 62.2

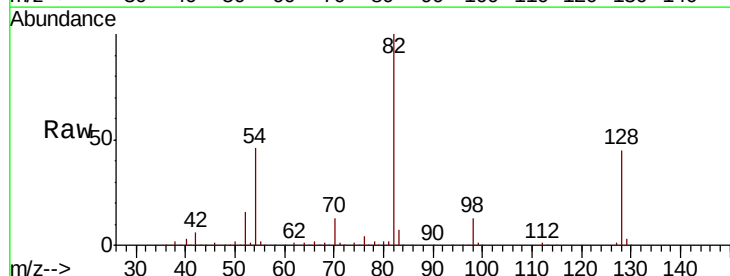


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

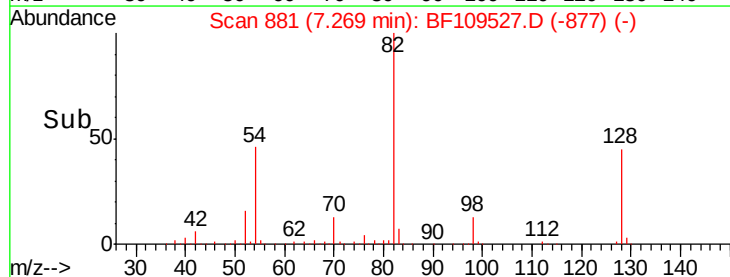
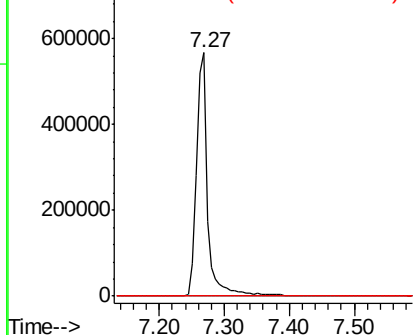


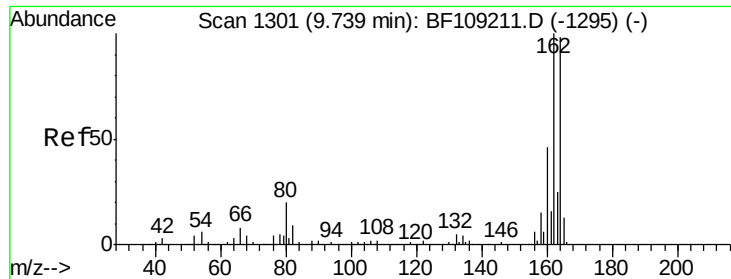
#25  
 Isophorone  
 Concen: 56.531 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.28 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Tgt Ion: 82 Resp: 662072  
 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

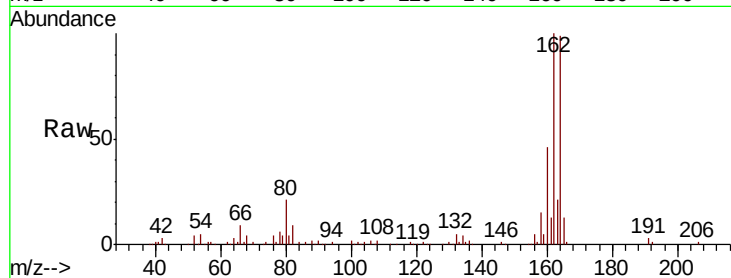




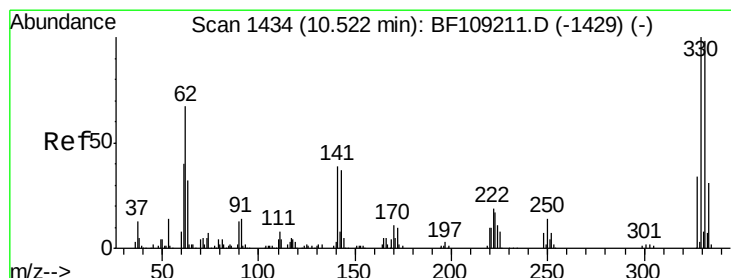
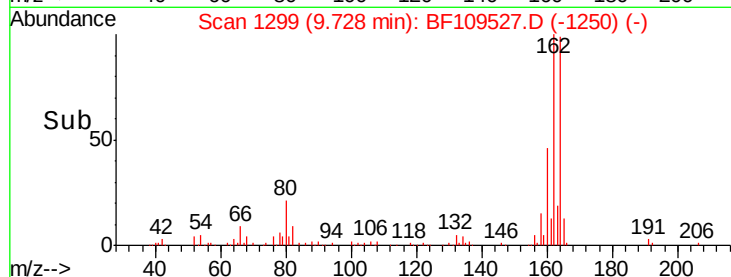
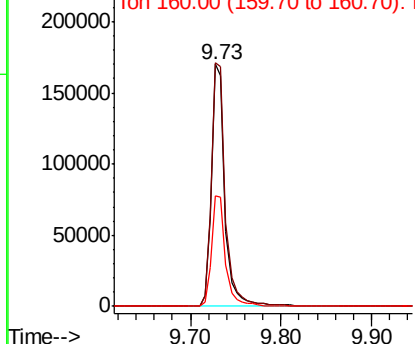
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.01 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

Tgt Ion:164 Resp: 178258  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 86.1 129.1  
 160 45.9 38.3 57.5

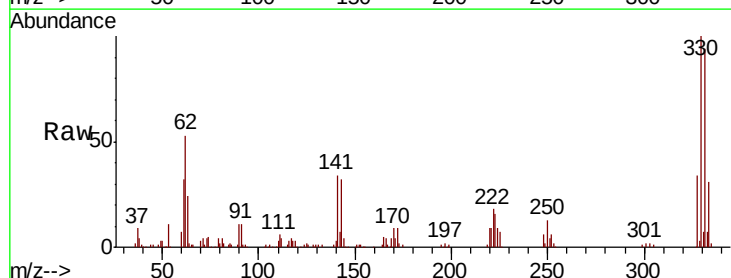


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

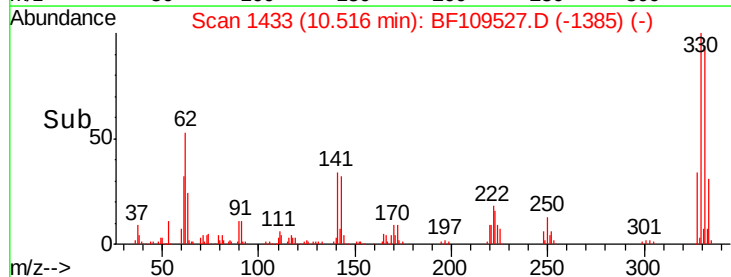
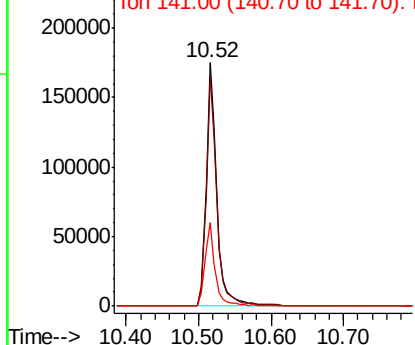


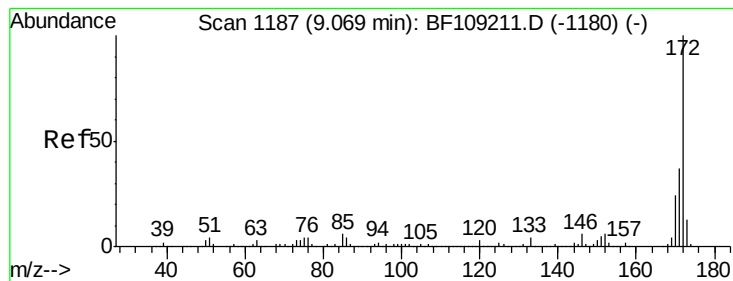
#41  
 2,4,6-Tribromophenol  
 Concen: 102.105 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Tgt Ion:330 Resp: 179425  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 77.0 115.6  
 141 33.2 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: 103.095 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

Instrument :

BNA\_F

ClientSampleId :

092818-JETT-F-U-S

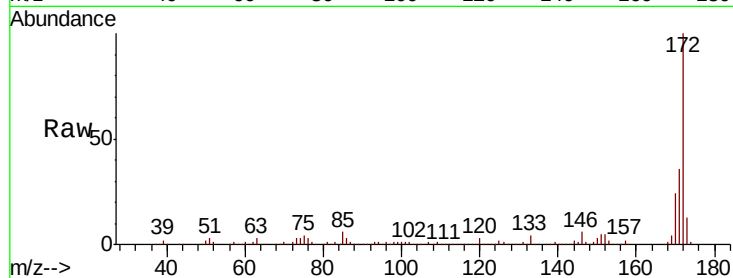
Tgt Ion:172 Resp: 1218516

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

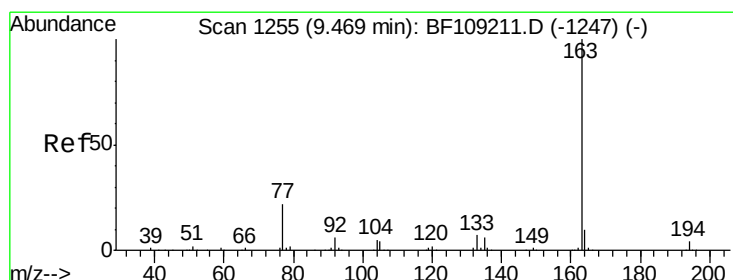
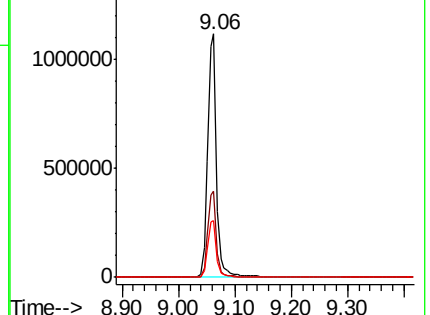
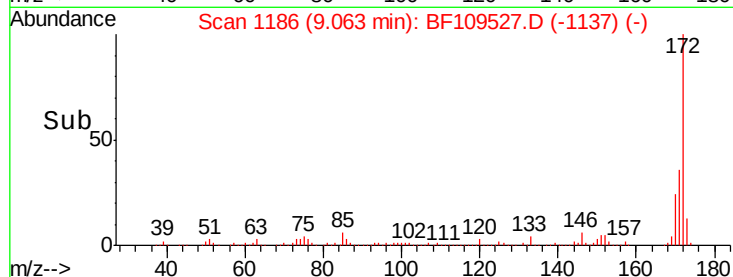
170 23.6 19.6 29.4



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: 3.224 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

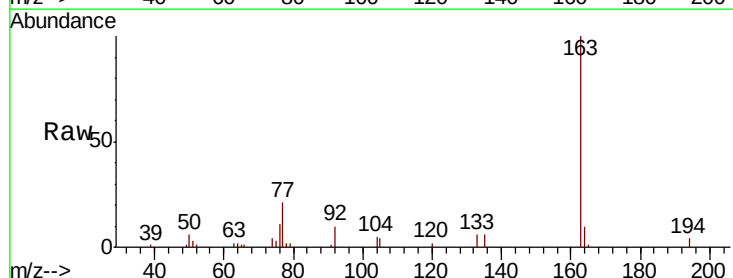
Tgt Ion:163 Resp: 41802

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

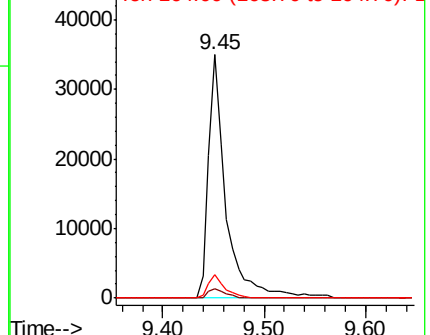
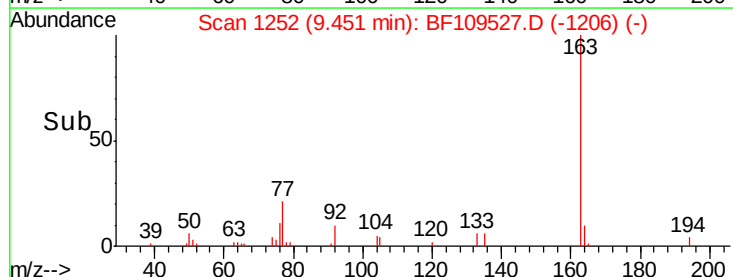
164 9.8 8.2 12.2



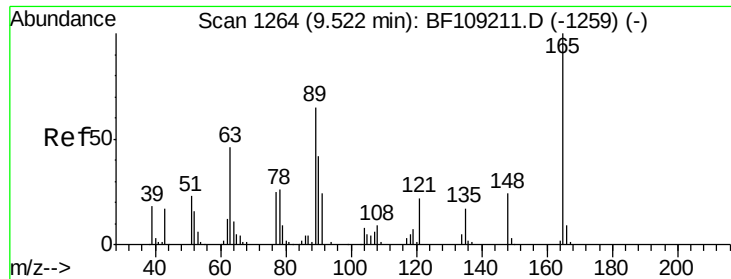
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



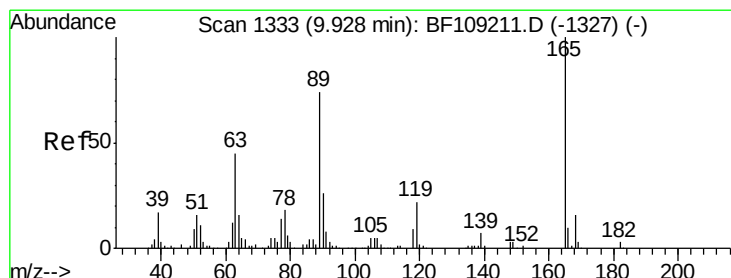
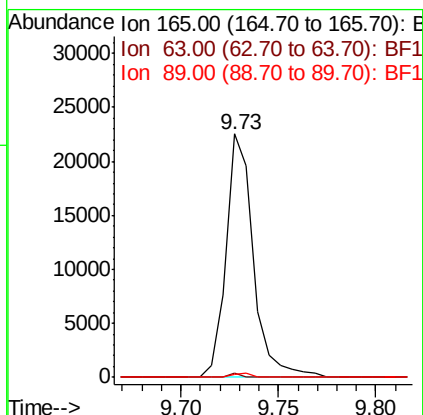
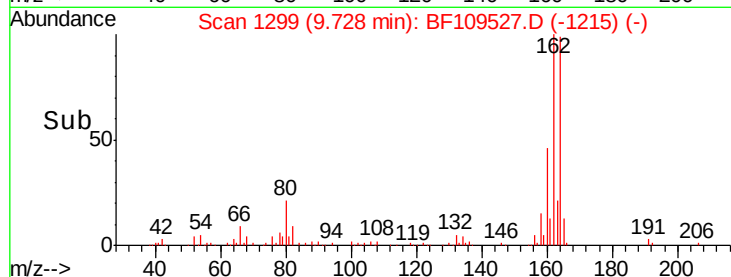
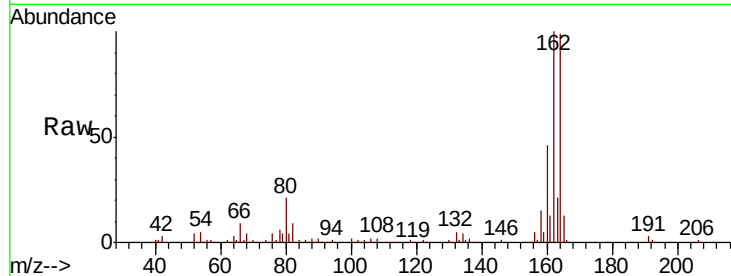




#50  
 2,6-Dinitrotoluene  
 Concen: 8.511 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. 0.19 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

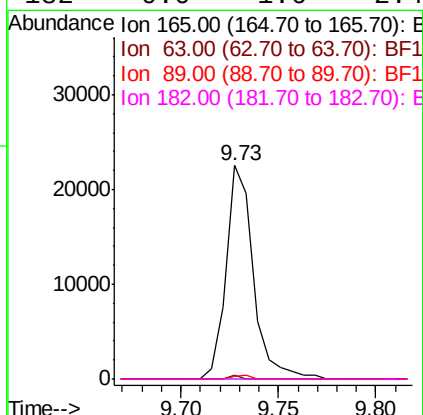
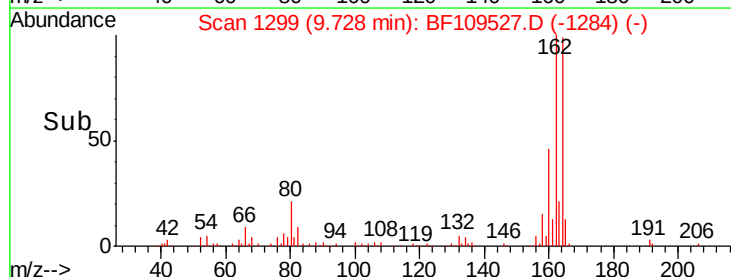
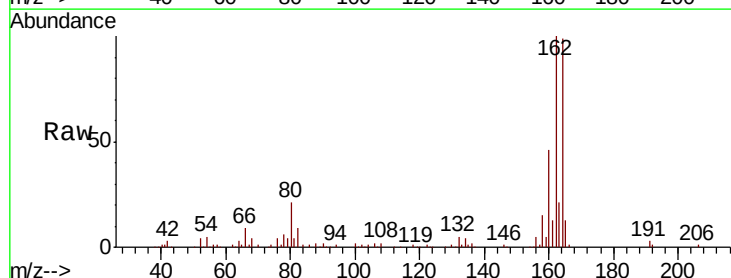
Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

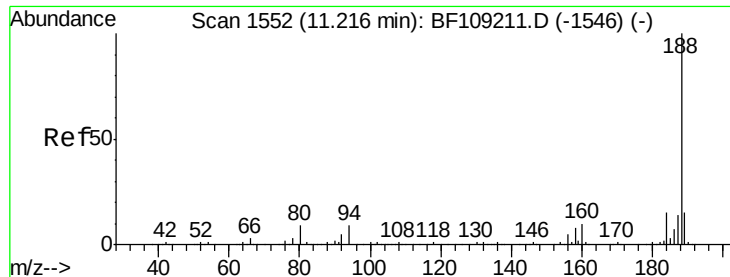
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 44.7  | 67.1# |
| 89      | 1.4   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.727 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.21 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 36.4  | 54.6# |
| 89      | 1.4   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

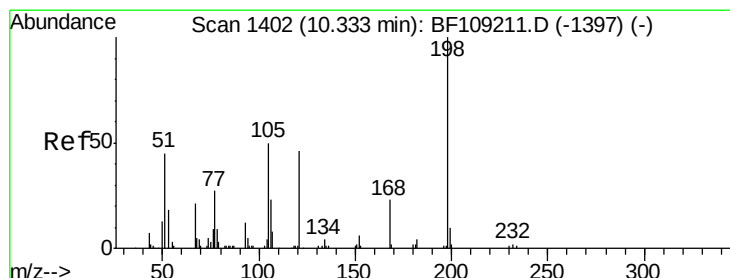
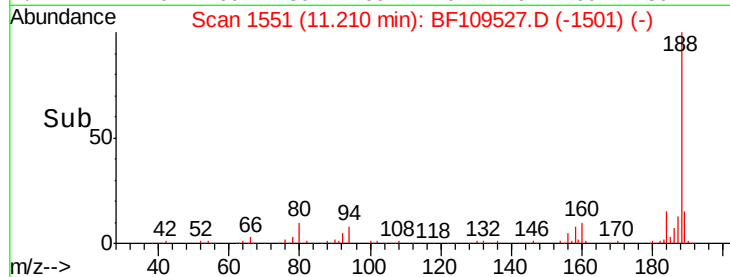
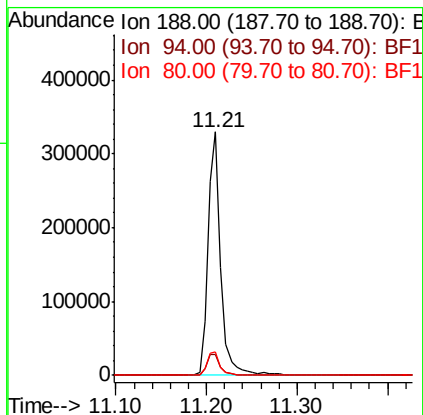
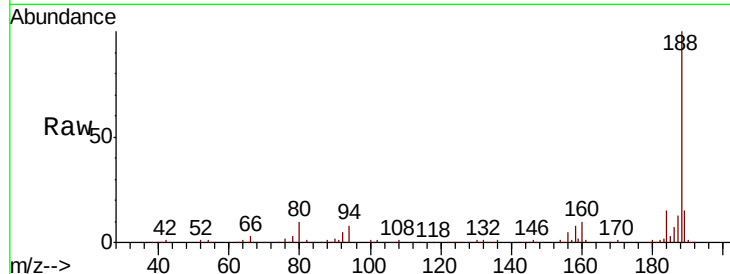




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

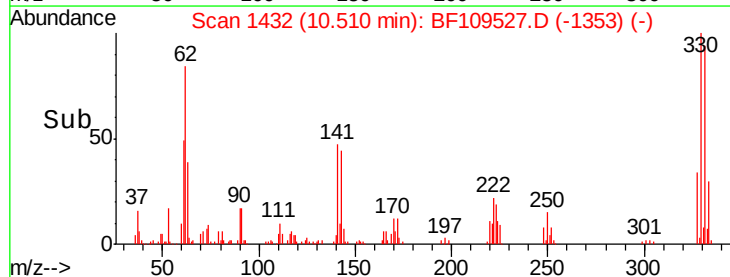
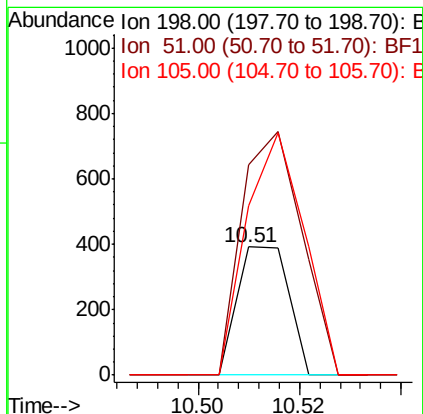
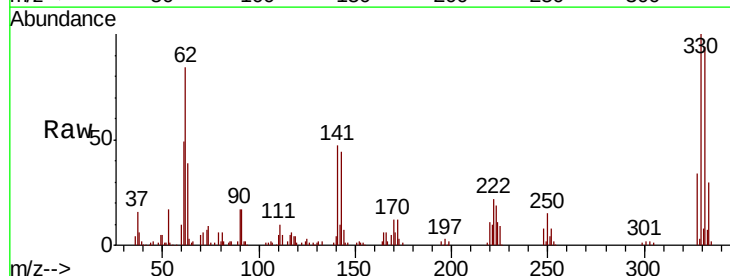
Instrument :  
 BNA\_F  
 ClientSampleId :  
 092818-JETT-F-U-S

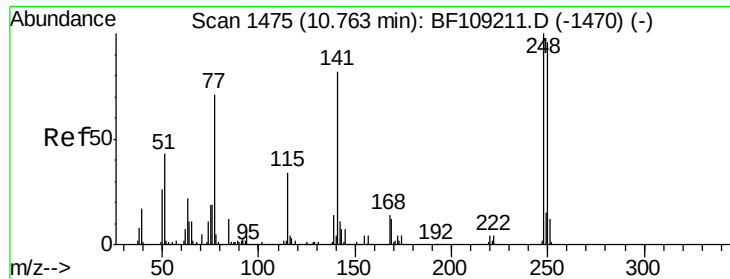
Tgt Ion:188 Resp: 325675  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 8.5 12.7  
 80 9.5 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.703 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. 0.16 min  
 Lab File: BF109527.D  
 Acq: 3 Oct 2018 3:37

Tgt Ion:198 Resp: 276  
 Ion Ratio Lower Upper  
 198 100  
 51 164.5 37.7 77.7#  
 105 132.4 36.3 76.3#

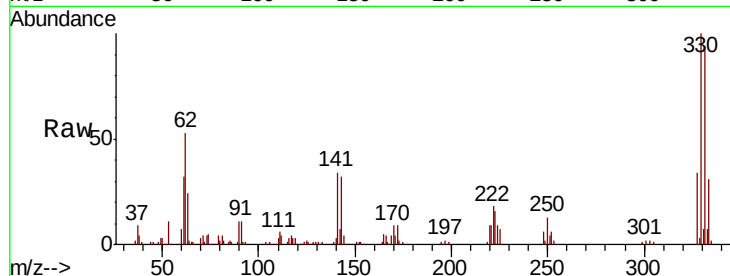




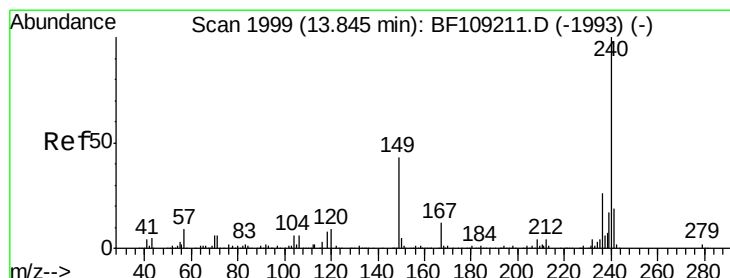
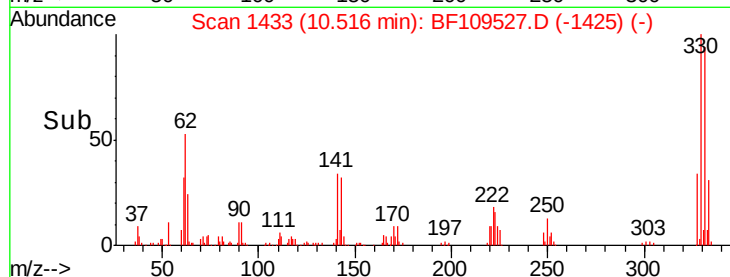
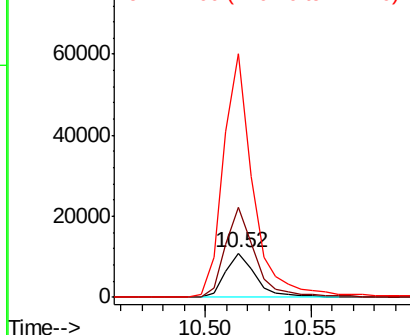
#66  
4-Bromophenyl-phenylether  
Concen: 2.974 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. -0.25 min  
Lab File: BF109527.D  
Acq: 3 Oct 2018 3:37

Instrument :  
BNA\_F  
ClientSampleId :  
092818-JETT-F-U-S

Tgt Ion:248 Resp: 10754  
Ion Ratio Lower Upper  
248 100  
250 202.6 76.9 115.3#  
141 547.1 74.4 111.6#

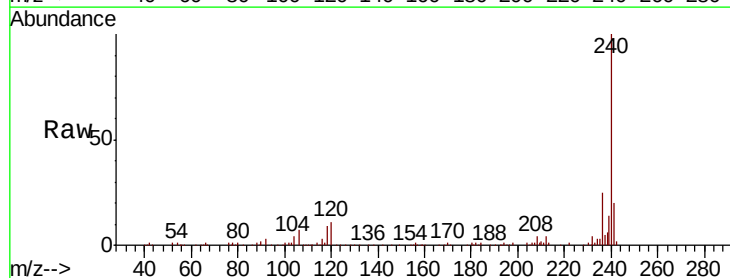


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

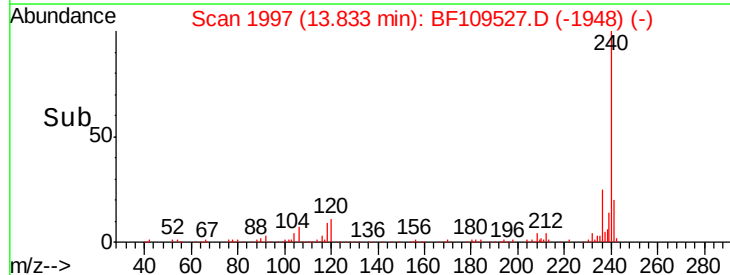
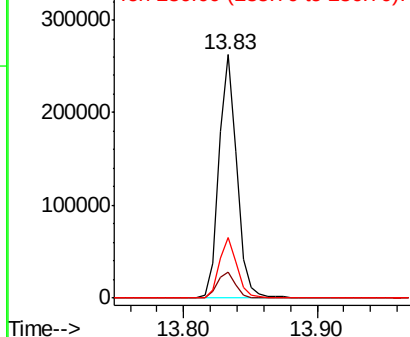


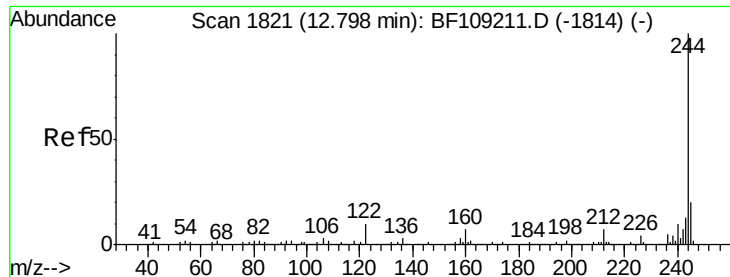
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1997  
Delta R.T. -0.01 min  
Lab File: BF109527.D  
Acq: 3 Oct 2018 3:37

Tgt Ion:240 Resp: 249543  
Ion Ratio Lower Upper  
240 100  
120 10.7 9.5 14.3  
236 24.7 20.7 31.1



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





#78

Terphenyl-d14

Concen: 106.181 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

Instrument :

BNA\_F

ClientSampleId :

092818-JETT-F-U-S

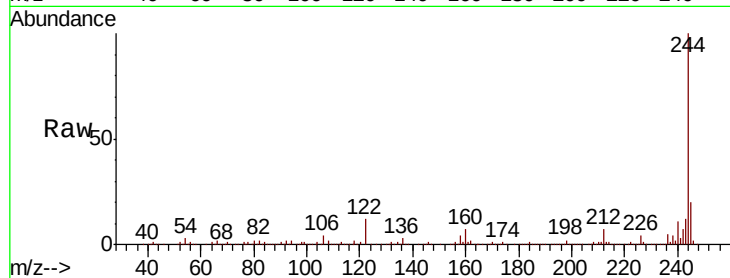
Tgt Ion:244 Resp: 1079660

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

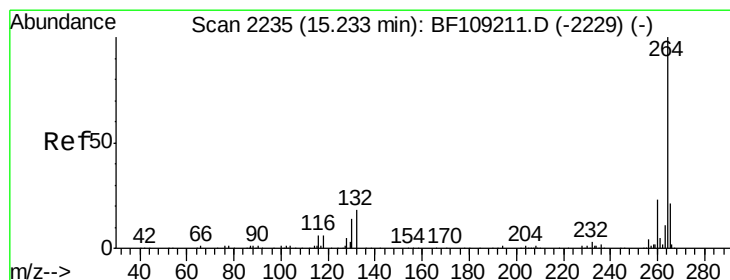
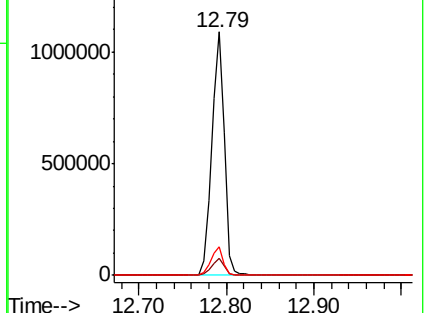
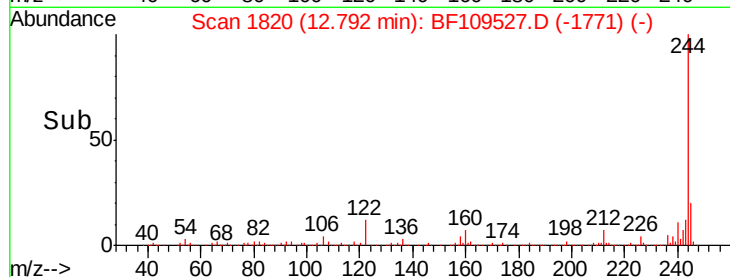
122 11.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109527.D

Acq: 3 Oct 2018 3:37

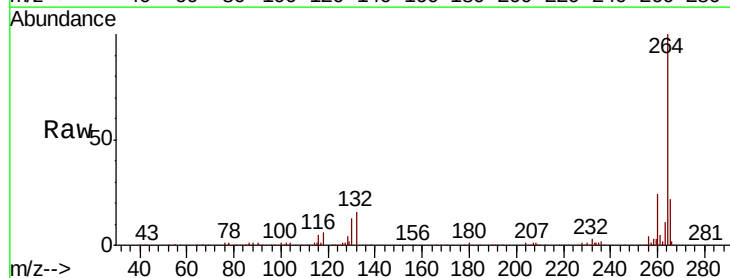
Tgt Ion:264 Resp: 251451

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 17.5 26.3



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

