

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082918\  
 Data File : BF108626.D  
 Acq On : 30 Aug 2018 2:05  
 Operator : JU/SJ  
 Sample : J4683-17  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-TIPC-F-U-B

Quant Time: Aug 30 02:35:50 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

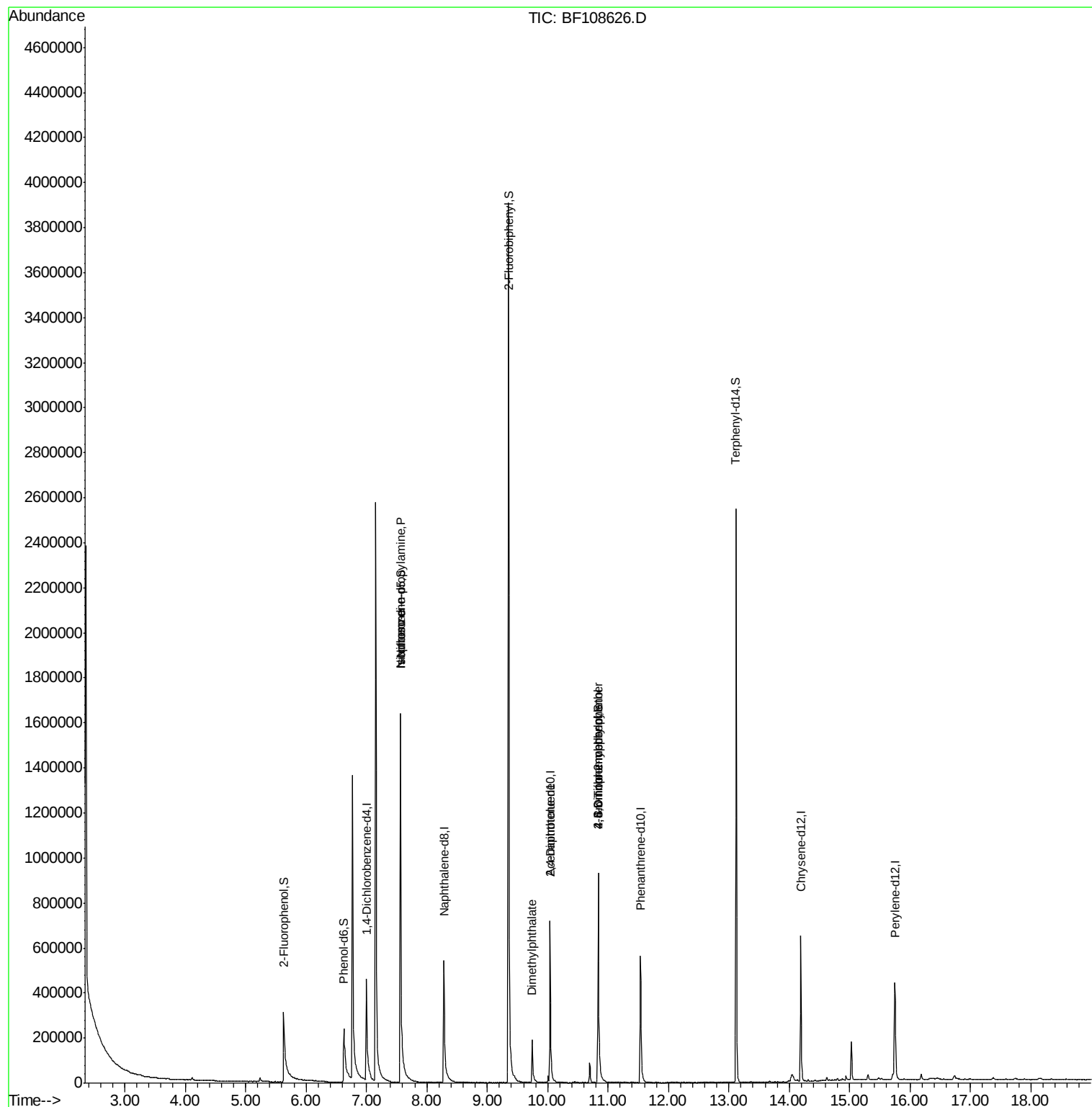
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 114709   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.28  | 136  | 419352   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10           | 10.04 | 164  | 174902   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10           | 11.54 | 188  | 284337   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12               | 14.19 | 240  | 264987   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12               | 15.75 | 264  | 260333   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.64  | 112  | 213129   | 33.64  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.62  | 99   | 196033   | 23.28  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 802360   | 106.77 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 161204   | 92.40  | ng    | -0.01       |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 1400862  | 128.59 | ng    | -0.01       |
| 78) Terphenyl-d14              | 13.12 | 244  | 997462   | 95.71  | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 103950   | 18.257 | ng    | Qvalue # 83 |
| 25) Isophorone                 | 7.57  | 82   | 802744   | 56.042 | ng    | # 64        |
| 49) Dimethylphthalate          | 9.74  | 163  | 121488   | 9.972  | ng    | 99          |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 22123    | 6.743  | ng    | # 24        |
| 64) 4,6-Dinitro-2-methylphenol | 10.84 | 198  | 239      | 5.557  | ng    | # 1         |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 10027    | 3.245  | ng    | # 1         |

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

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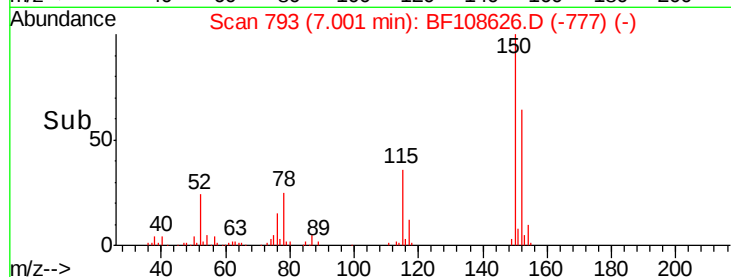
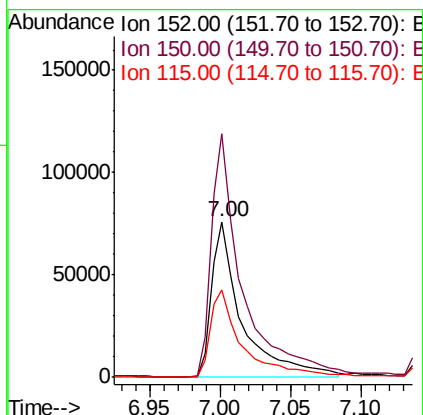
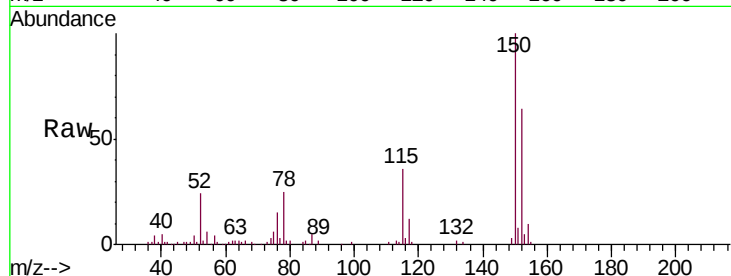


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

Instrument :  
BNA\_F  
ClientSampleId :  
082718-TIPC-F-U-B

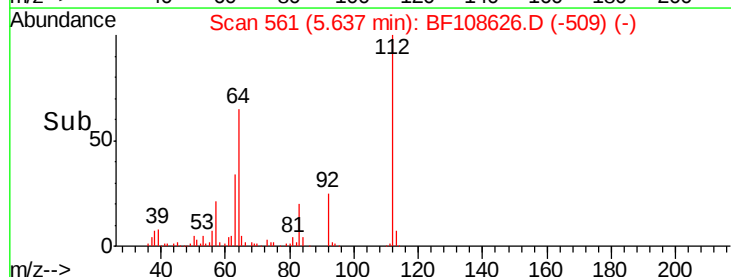
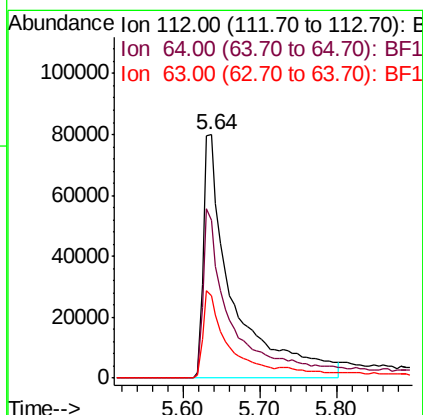
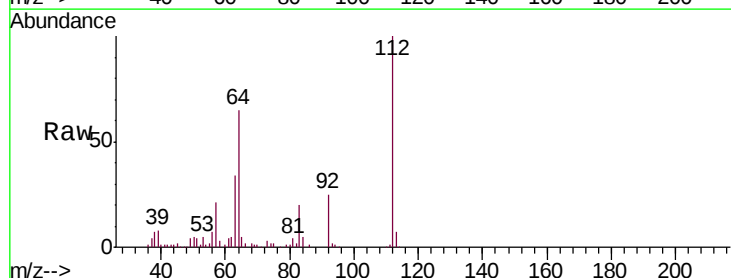
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 124.6 | 186.8 |
| 115     | 56.6  | 50.1  | 75.1  |



#5

2-Fluorophenol  
Concen: 33.638 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.8  | 47.9  | 71.9  |
| 63      | 33.8  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 23.283 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

Instrument :

BNA\_F

ClientSampleId :

082718-TIPC-F-U-B

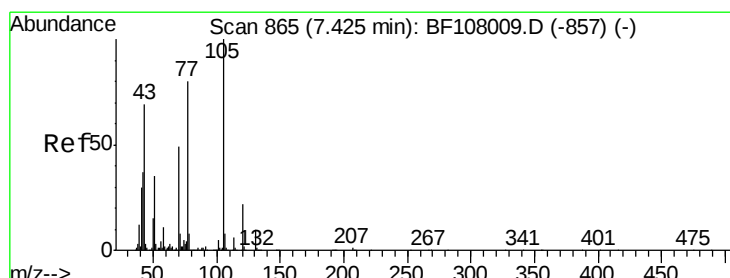
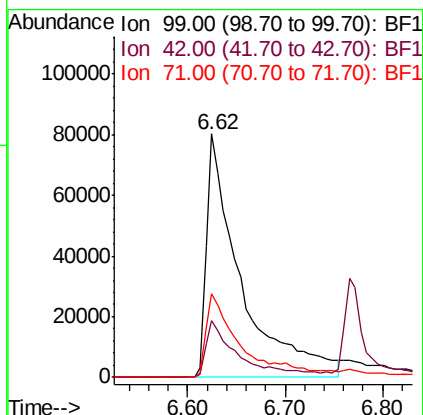
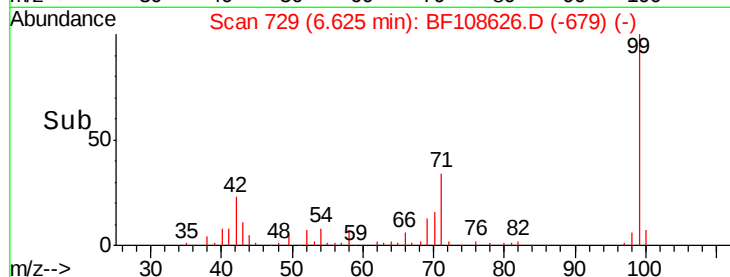
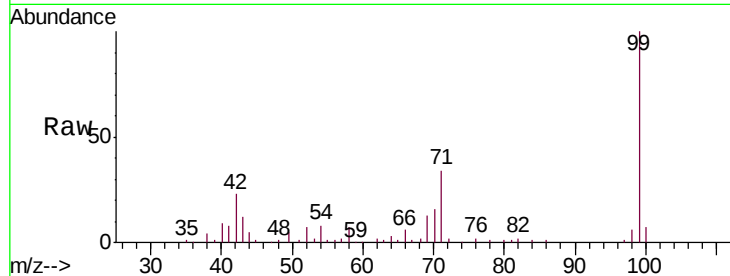
Tgt Ion: 99 Resp: 196033

Ion Ratio Lower Upper

99 100

42 23.1 14.5 21.7#

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.257 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

Tgt Ion: 70 Resp: 103950

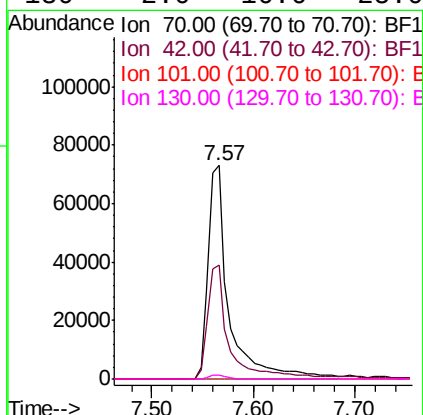
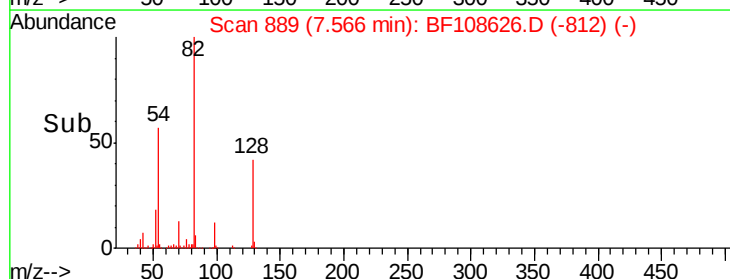
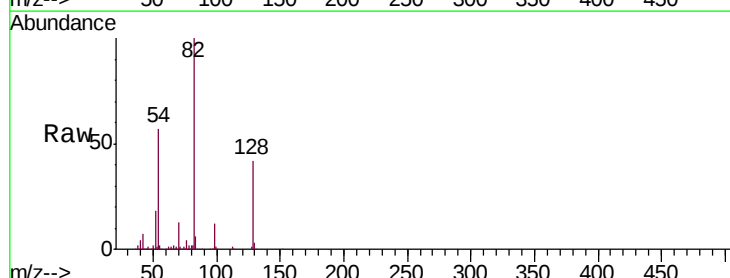
Ion Ratio Lower Upper

70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

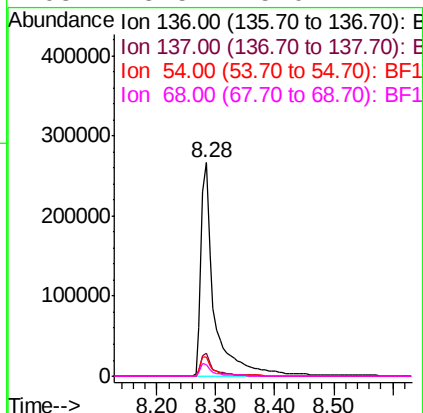
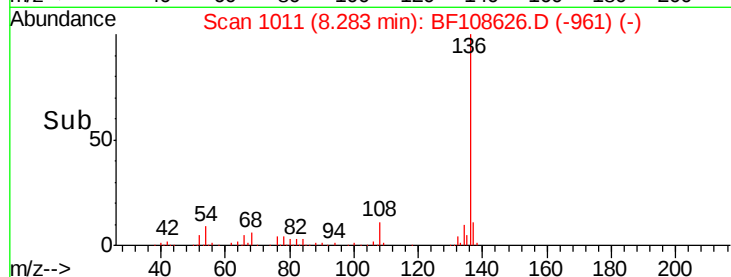
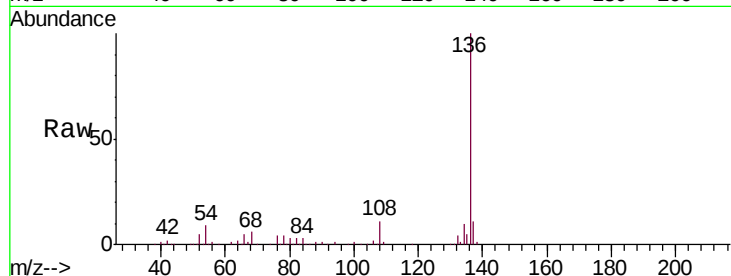




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.28 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

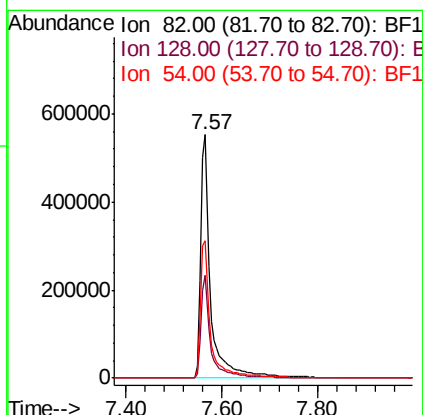
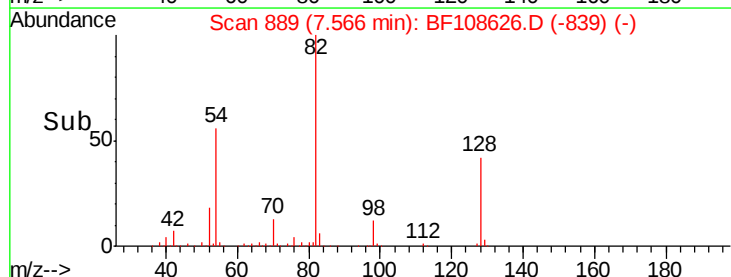
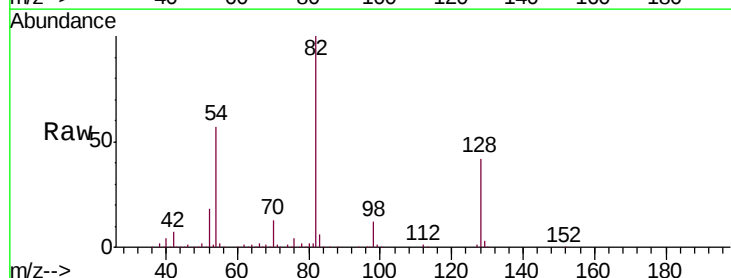
Instrument :  
BNA\_F  
ClientSampleId :  
082718-TIPC-F-U-B

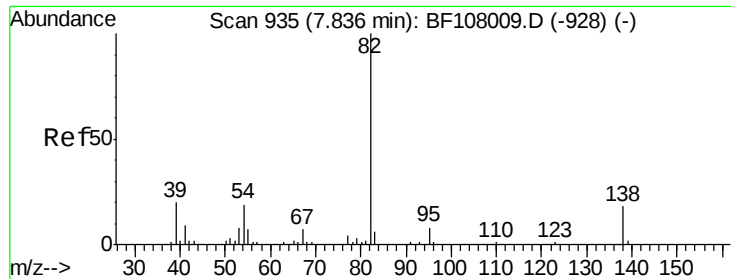
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 419352 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.9   | 13.3   |
| 54       | 8.8   | 6.6   | 9.8    |
| 68       | 5.5   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 106.767 ng  
RT: 7.57 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 802360 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.5  | 36.1  | 54.1   |
| 54       | 56.5  | 41.4  | 62.2   |





#25

Isophorone

Concen: 56.042 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

Instrument :

BNA\_F

ClientSampleId :

082718-TIPC-F-U-B

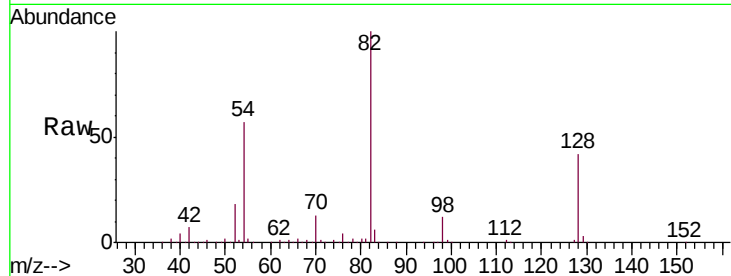
Tgt Ion: 82 Resp: 802744

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

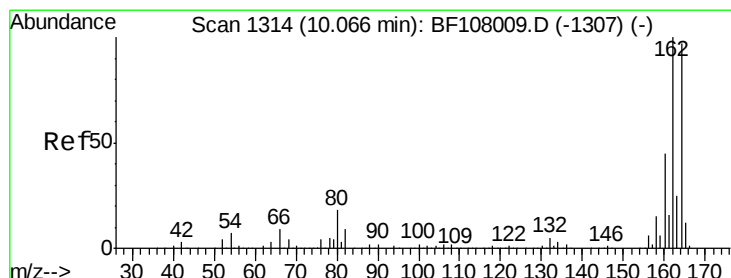
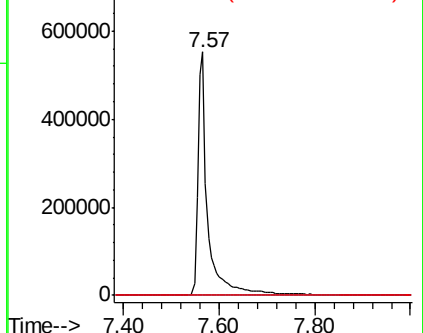
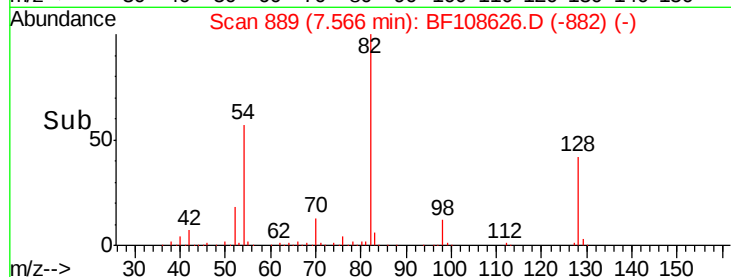
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

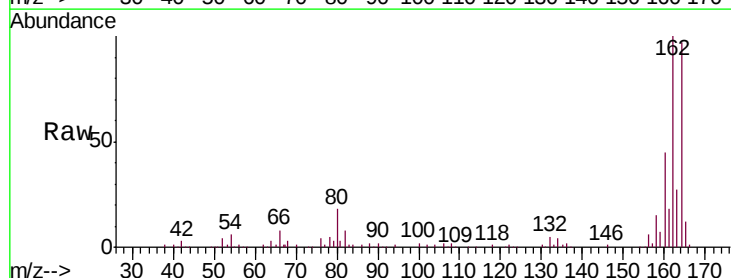
Tgt Ion: 164 Resp: 174902

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

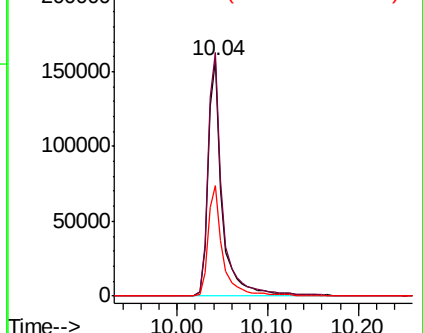
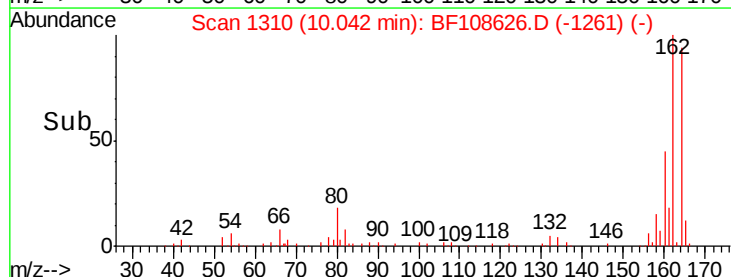
160 46.8 38.3 57.5



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

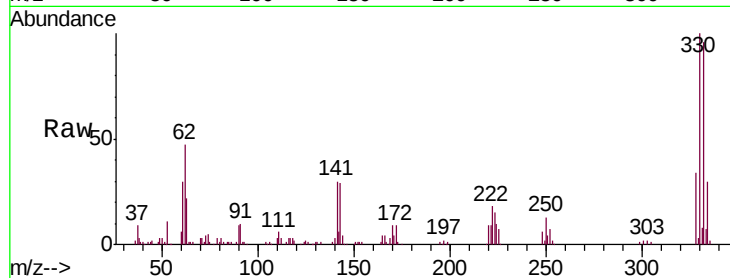




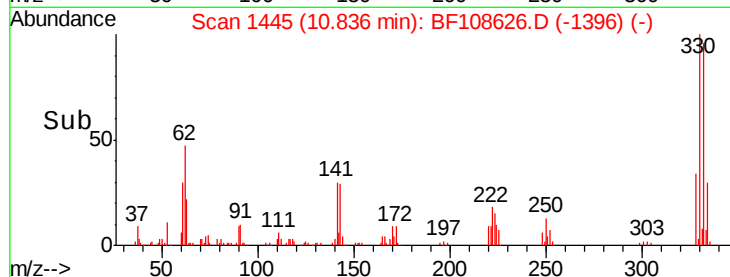
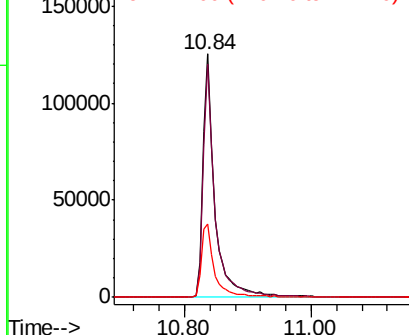
#41  
 2,4,6-Tribromophenol  
 Concen: 92.402 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-TIPC-F-U-B

Tgt Ion:330 Resp: 161204  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 77.0 115.6  
 141 33.0 29.9 44.9

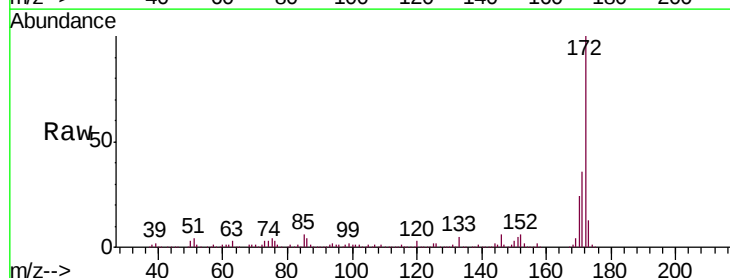


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

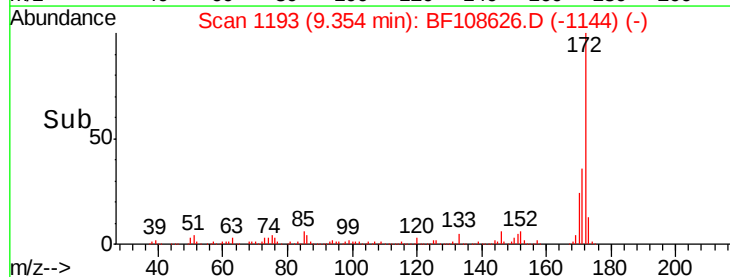
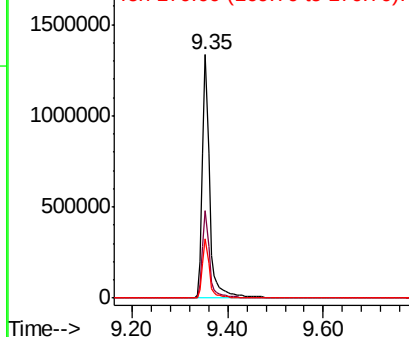


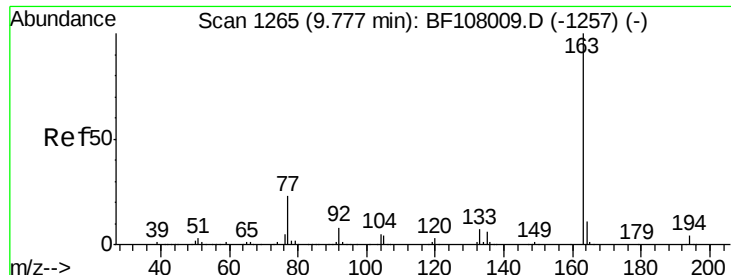
#44  
 2-Fluorobiphenyl  
 Concen: 128.589 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

Tgt Ion:172 Resp: 1400862  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.7 44.5  
 170 24.2 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

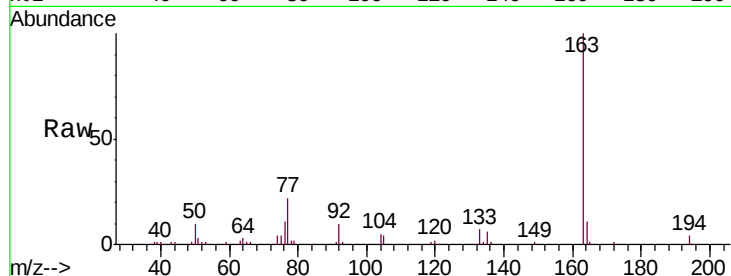




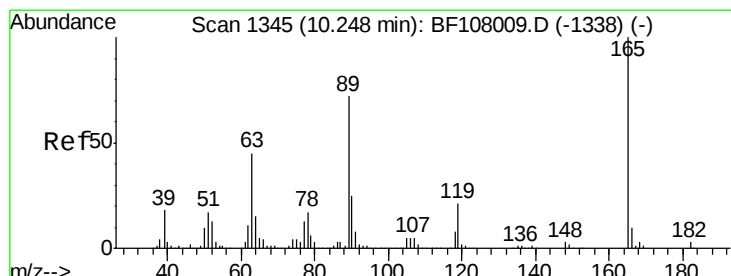
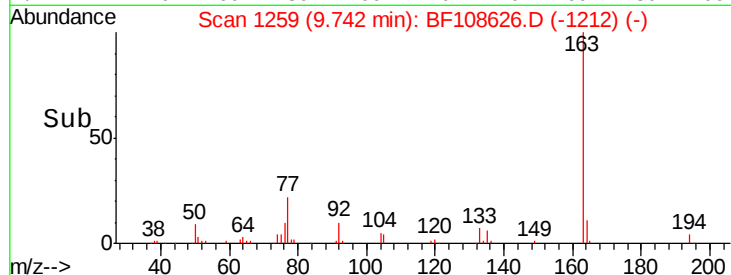
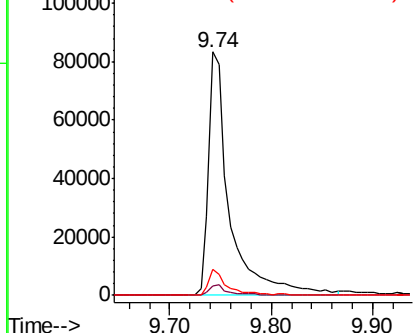
#49  
Dimethylphthalate  
Concen: 9.972 ng  
RT: 9.74 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

Instrument :  
BNA\_F  
ClientSampleId :  
082718-TIPC-F-U-B

Tgt Ion:163 Resp: 121488  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 10.5 8.2 12.2

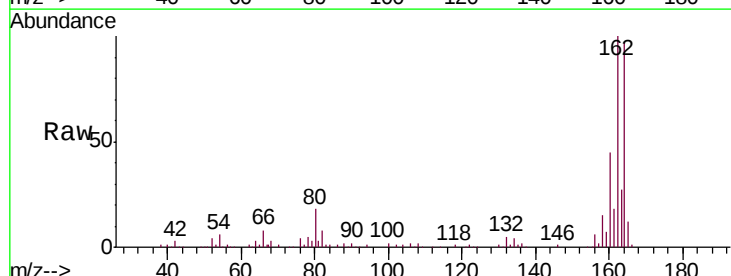


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

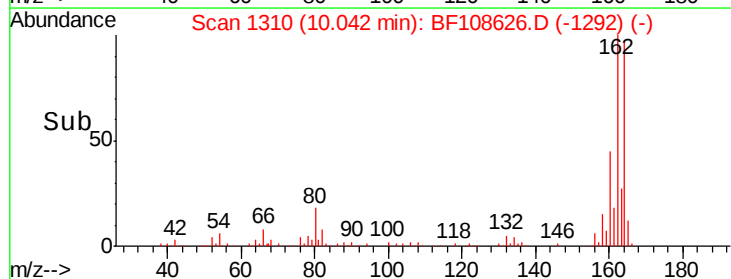
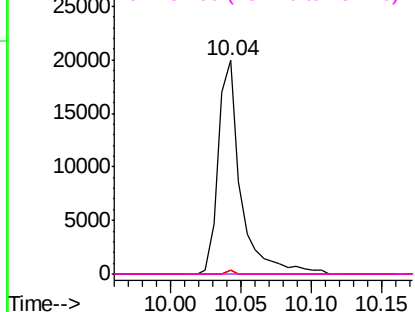


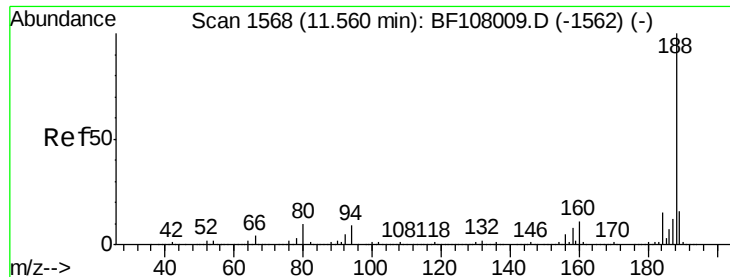
#56  
2,4-Dinitrotoluene  
Concen: 6.743 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.19 min  
Lab File: BF108626.D  
Acq: 30 Aug 2018 2:05

Tgt Ion:165 Resp: 22123  
Ion Ratio Lower Upper  
165 100  
63 1.5 36.4 54.6#  
89 1.8 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

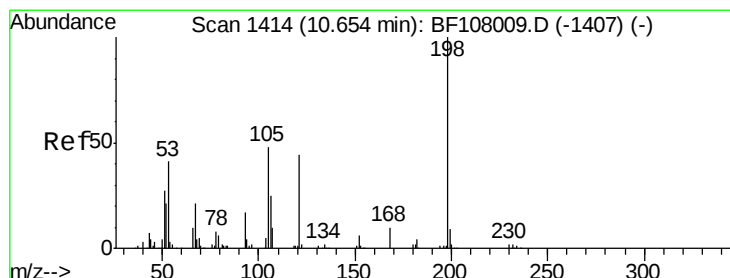
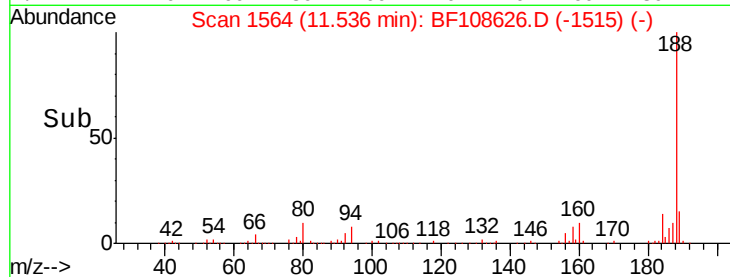
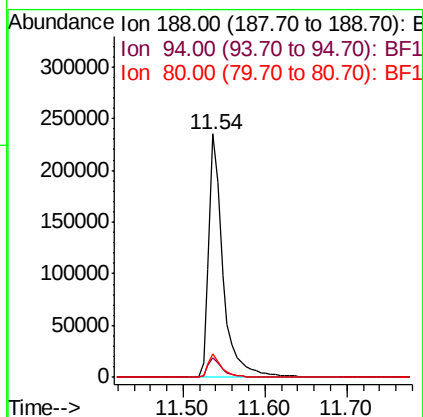
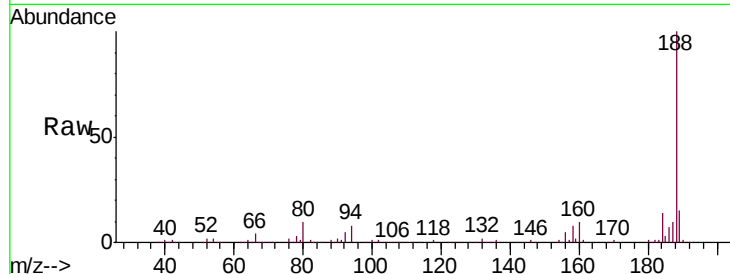




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

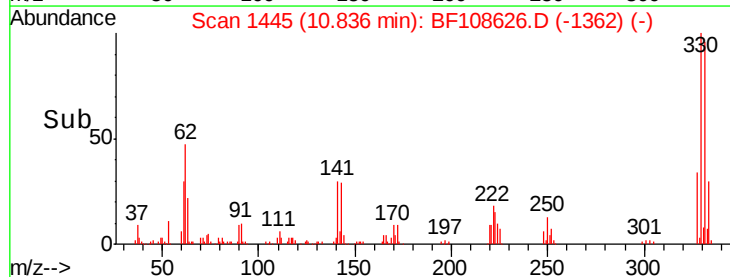
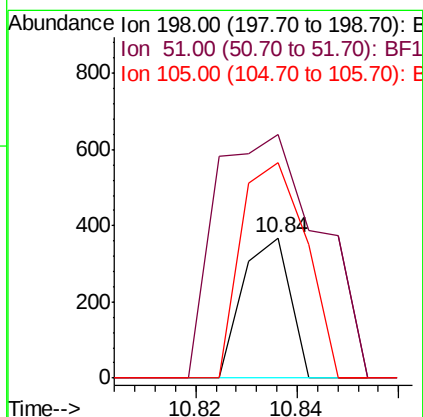
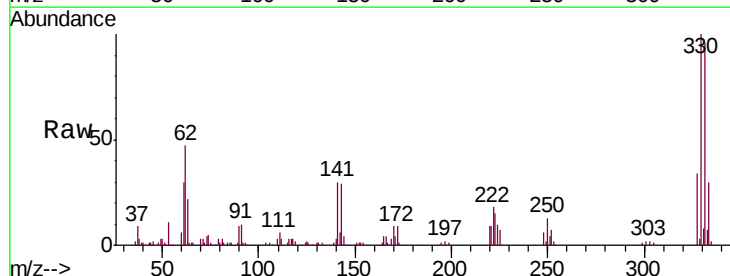
Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-TIPC-F-U-B

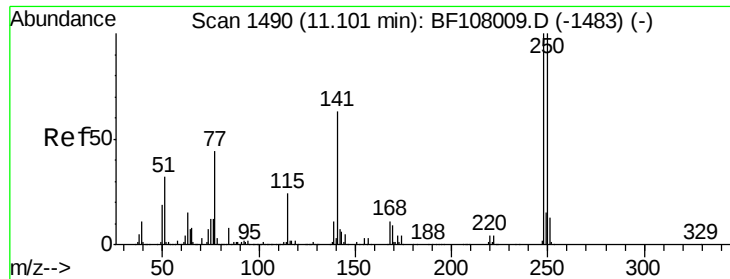
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 Ion Ratio Lower Upper  
 188 100  
 94 8.0 8.5 12.7#  
 80 9.6 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.557 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. 0.19 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

Tgt Ion:198 Resp: 239  
 Ion Ratio Lower Upper  
 198 100  
 51 173.6 37.7 77.7#  
 105 153.5 36.3 76.3#

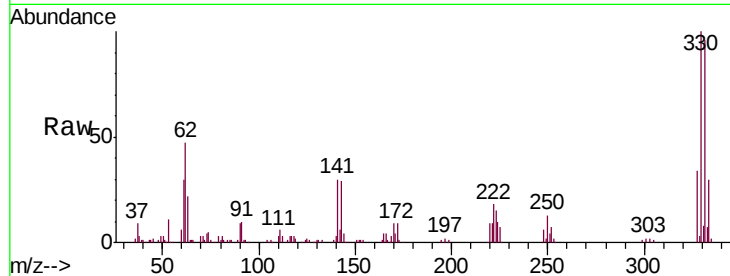




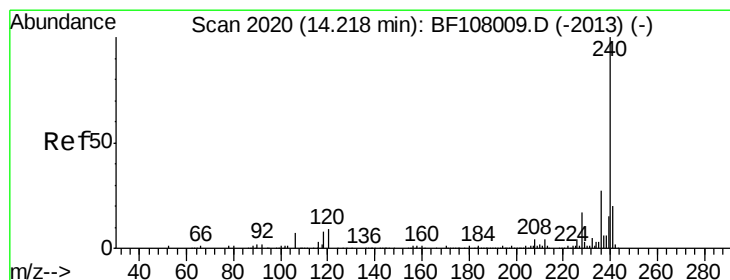
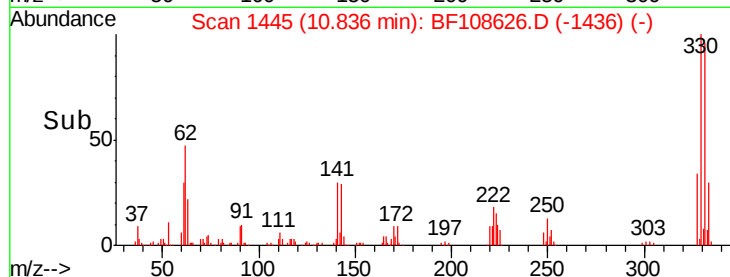
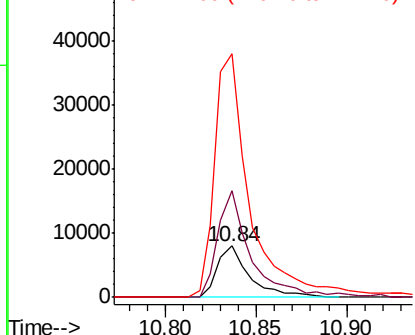
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.245 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.25 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-TIPC-F-U-B

Tgt Ion:248 Resp: 10027  
 Ion Ratio Lower Upper  
 248 100  
 250 208.7 76.9 115.3#  
 141 474.2 74.4 111.6#

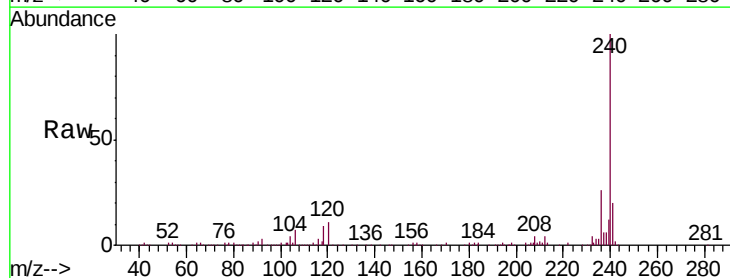


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

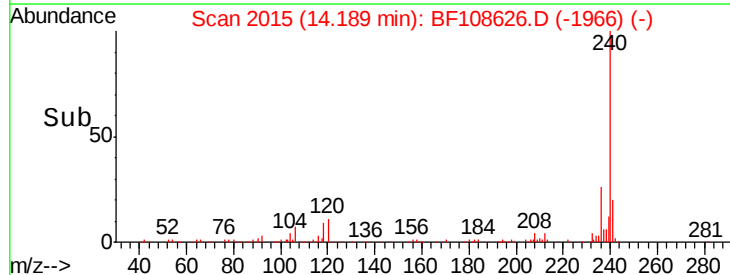
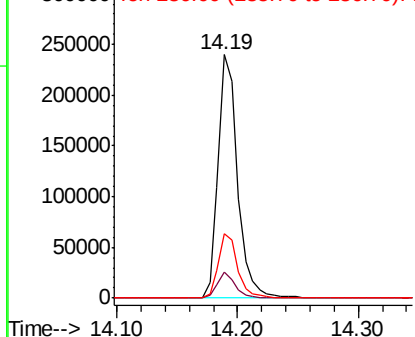


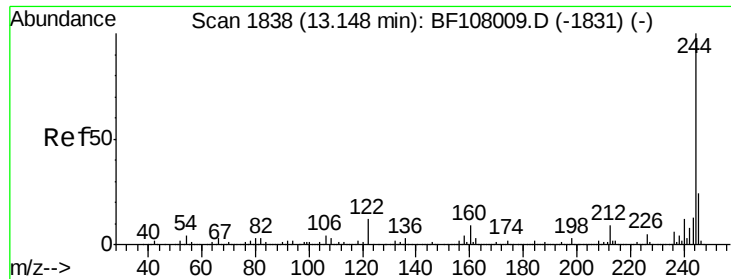
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.19 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF108626.D  
 Acq: 30 Aug 2018 2:05

Tgt Ion:240 Resp: 264987  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 9.5 14.3  
 236 26.4 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: 95.707 ng

RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

Instrument :

BNA\_F

ClientSampleId :

082718-TIPC-F-U-B

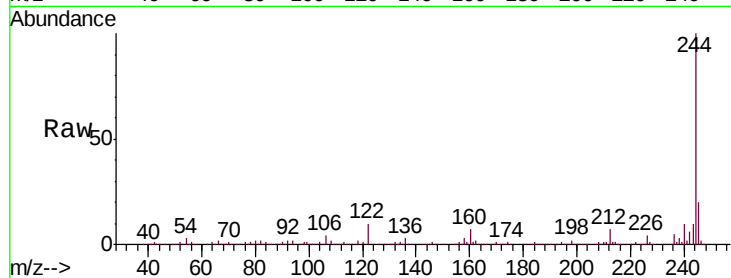
Tgt Ion:244 Resp: 997462

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

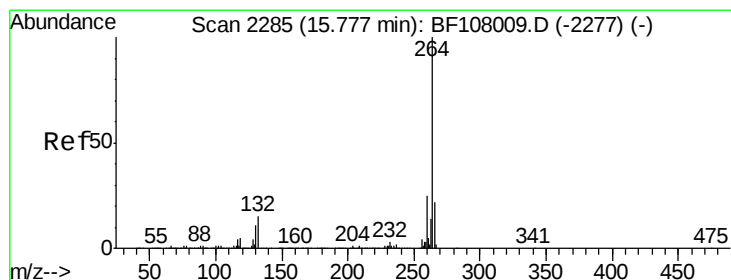
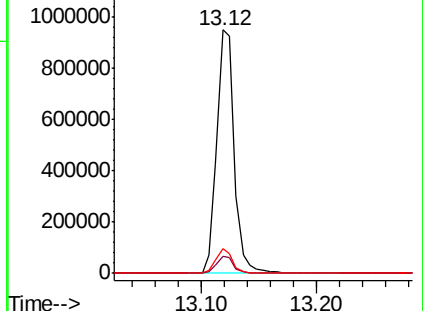
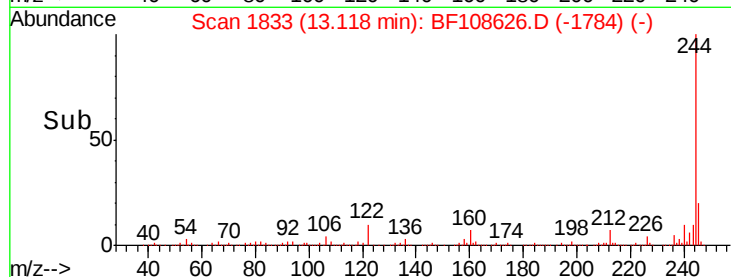
122 10.2 11.0 16.4#



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: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108626.D

Acq: 30 Aug 2018 2:05

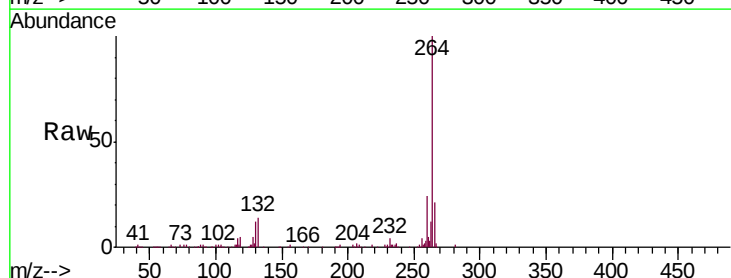
Tgt Ion:264 Resp: 260333

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 20.9 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

