

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062218\  
 Data File : BF106733.D  
 Acq On : 23 Jun 2018 2:19  
 Operator : JU/SJ  
 Sample : J3573-21  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-53-COMP

Quant Time: Jun 23 03:18:30 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 22 11:34:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 49639    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 187625   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 88405    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.49 | 188  | 151146   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.14 | 240  | 145002   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.68 | 264  | 131800   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 284572   | 97.08  | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 359341   | 98.16  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 226589   | 67.11  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 103770   | 101.27 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 419217   | 79.27  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 413529   | 69.08  | ng    | 0.00     |

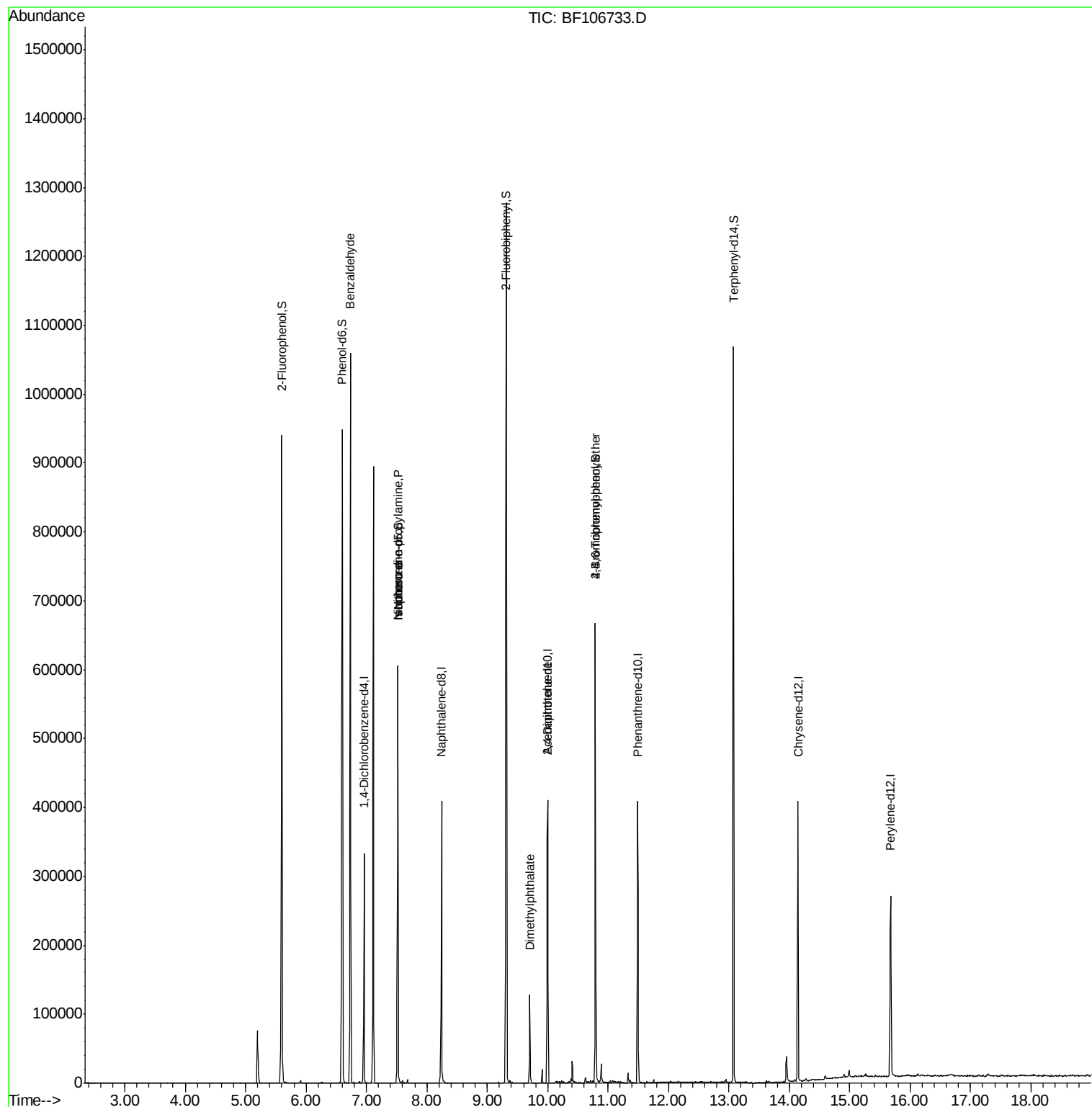
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde                | 6.74  | 77   | 6195     | 2.020  | ng    | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 29681    | 12.300 | ng    | # 76   |
| 25) Isophorone                 | 7.52  | 82   | 226585   | 38.086 | ng    | # 64   |
| 49) Dimethylphthalate          | 9.71  | 163  | 58720    | 8.856  | ng    | 99     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 11386    | 6.213  | ng    | # 21   |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 6167     | 3.419  | ng    | # 1    |

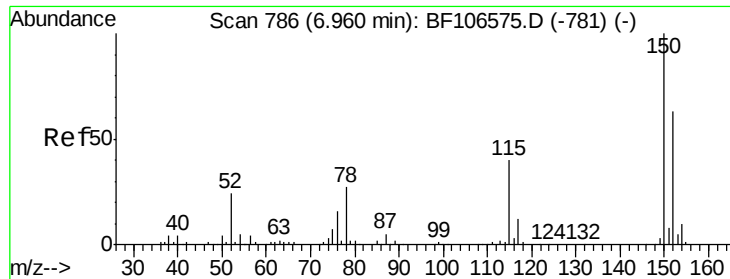
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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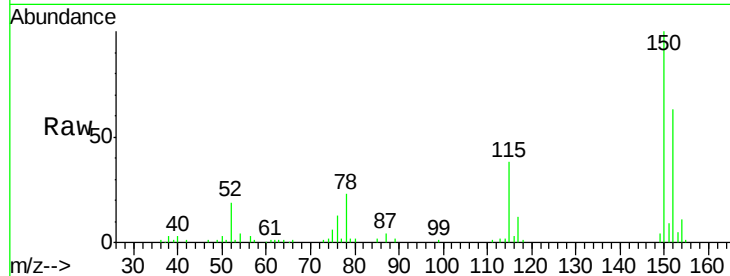


#1

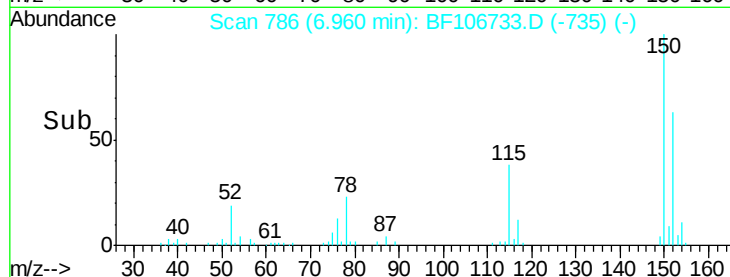
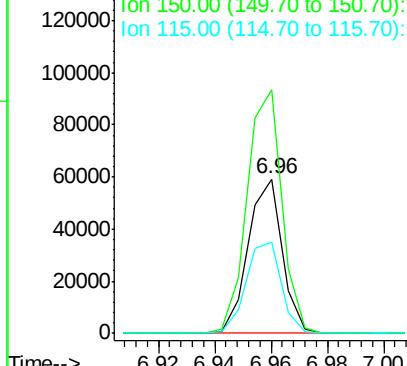
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

Instrument :  
BNA\_F  
ClientSampleId :  
SB-53-COMP

Tgt Ion:152 Resp: 49639  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.6 186.8  
115 59.2 50.1 75.1



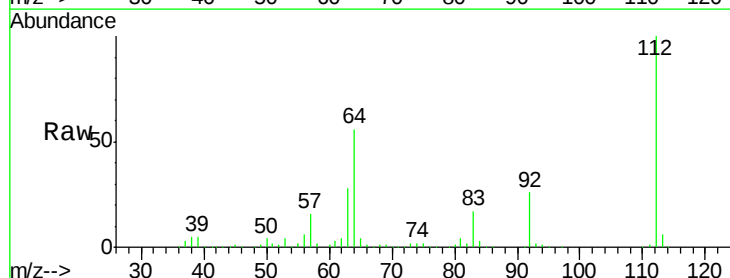
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



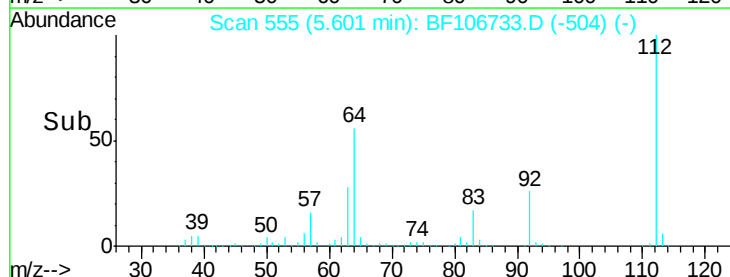
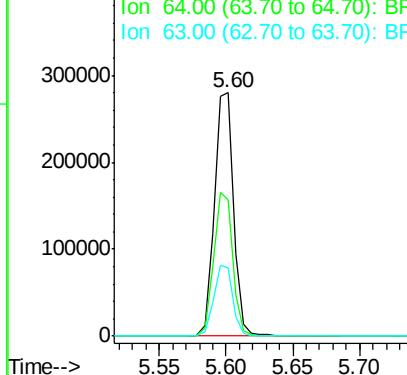
#5

2-Fluorophenol  
Concen: 97.075 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

Tgt Ion:112 Resp: 284572  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.9 71.9  
63 28.0 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: 98.158 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106733.D

Acq: 23 Jun 2018 2:19

Instrument :

BNA\_F

ClientSampleId :

SB-53-COMP

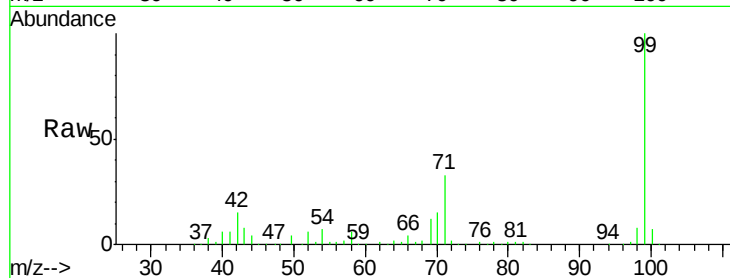
Tgt Ion: 99 Resp: 359341

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

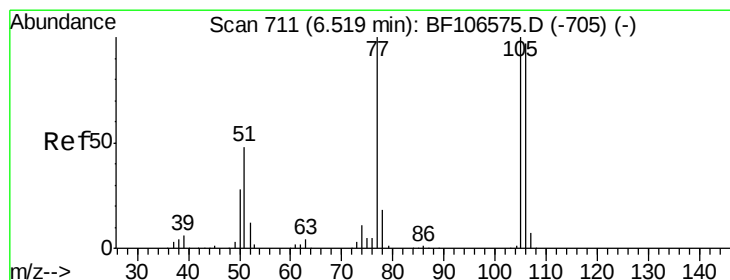
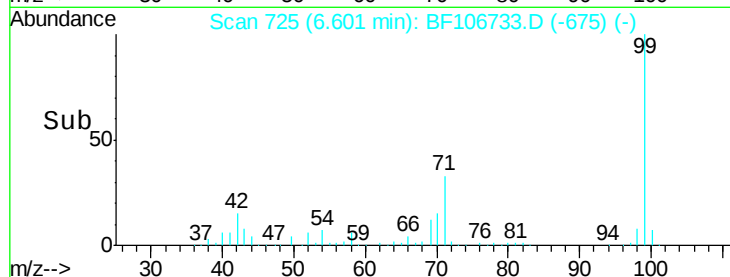
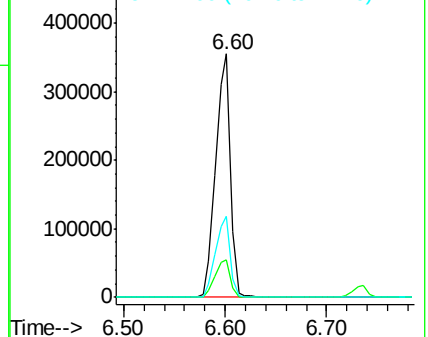
71 33.5 25.4 38.0



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: 2.020 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106733.D

Acq: 23 Jun 2018 2:19

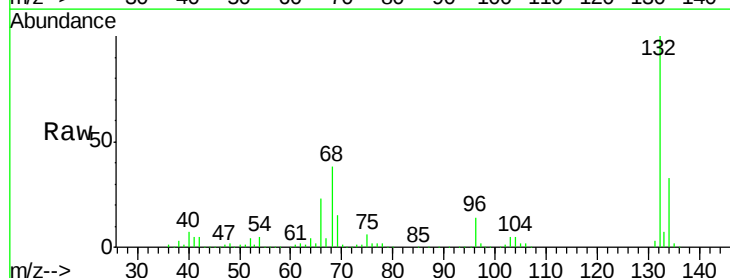
Tgt Ion: 77 Resp: 6195

Ion Ratio Lower Upper

77 100

105 91.4 81.1 121.1

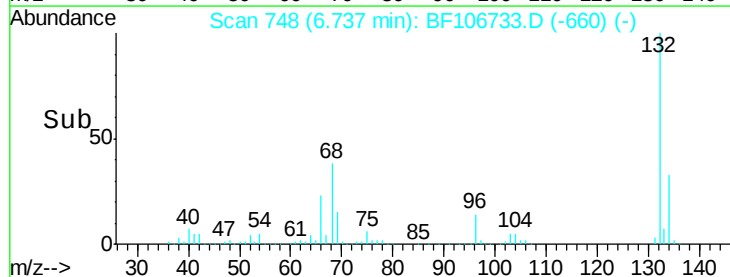
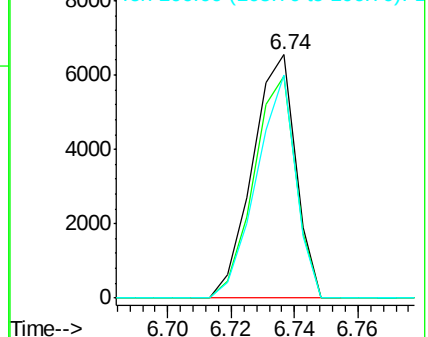
106 91.5 74.5 114.5

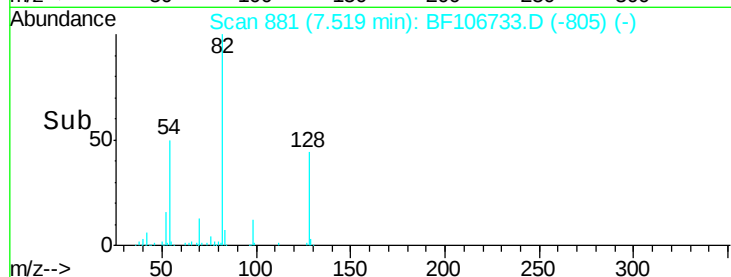
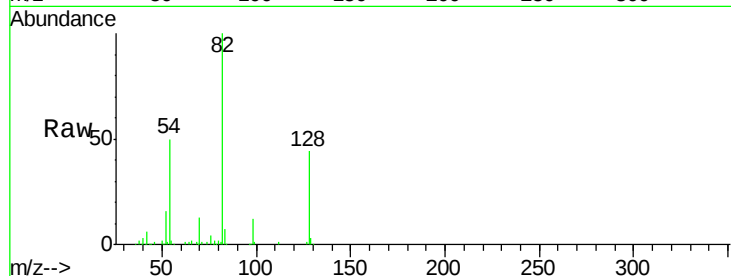
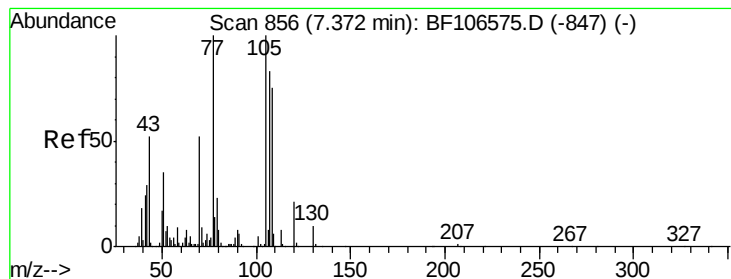


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.300 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106733.D

Acq: 23 Jun 2018 2:19

Instrument :

BNA\_F

ClientSampleId :

SB-53-COMP

Tgt Ion: 70 Resp: 29681

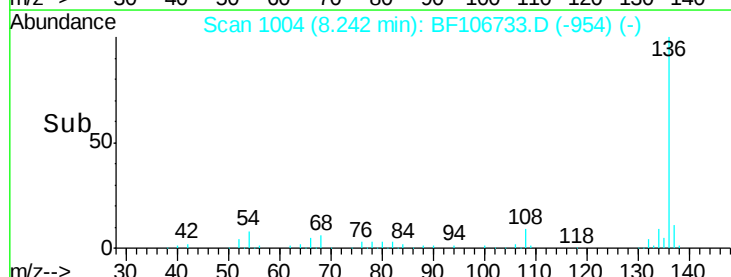
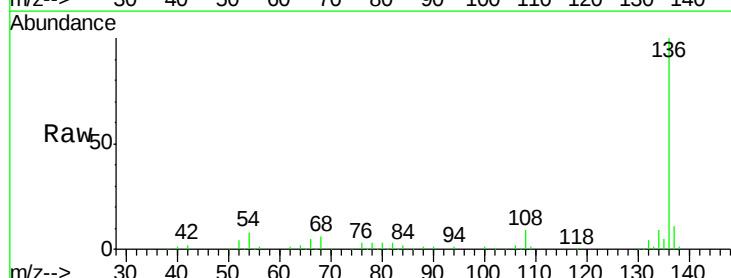
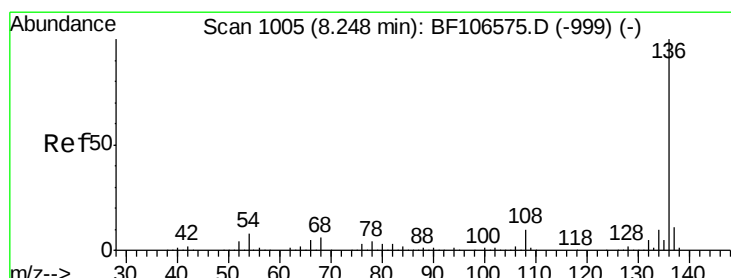
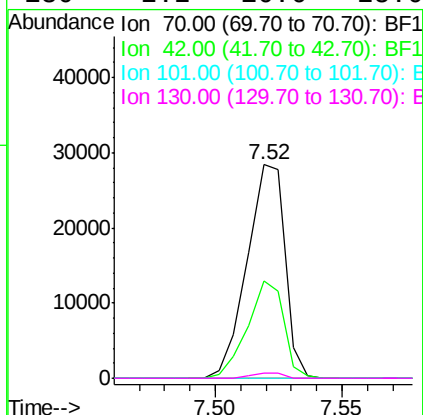
Ion Ratio Lower Upper

70 100

42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106733.D

Acq: 23 Jun 2018 2:19

Tgt Ion: 136 Resp: 187625

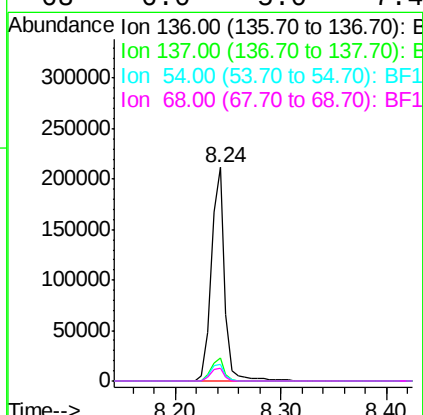
Ion Ratio Lower Upper

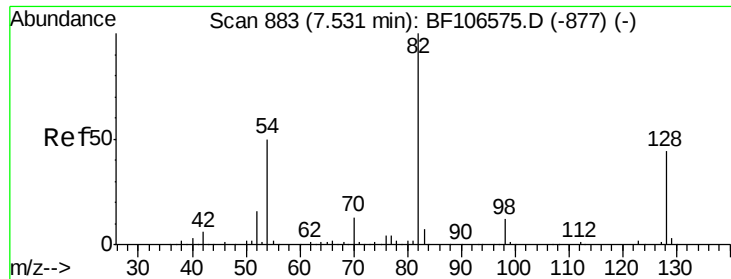
136 100

137 10.7 8.9 13.3

54 7.6 6.6 9.8

68 6.0 5.0 7.4

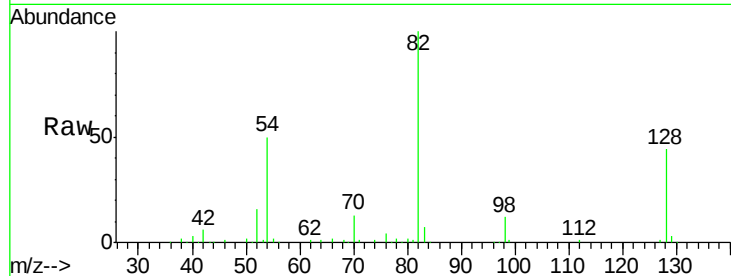




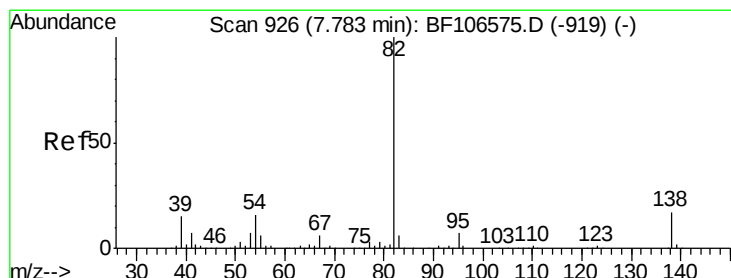
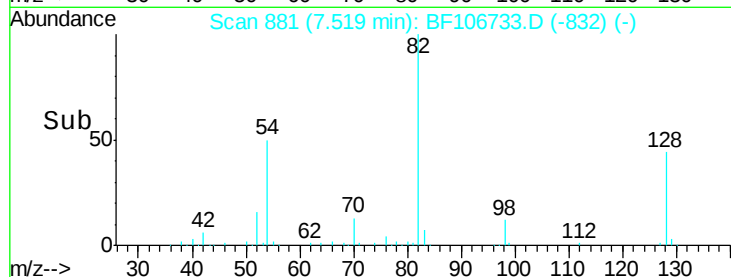
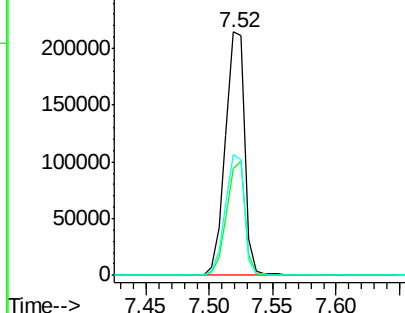
#23  
 Nitrobenzene-d5  
 Concen: 67.114 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-53-COMP

Tgt Ion: 82 Resp: 226589  
 Ion Ratio Lower Upper  
 82 100  
 128 43.7 36.1 54.1  
 54 49.8 41.4 62.2

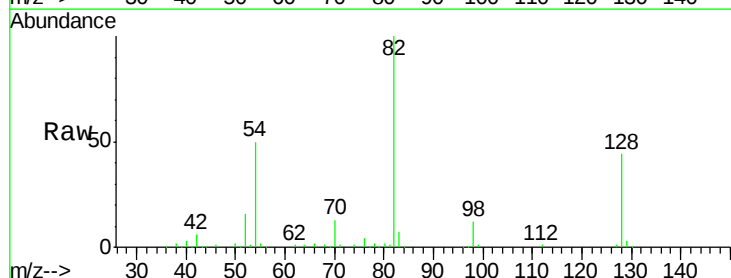


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

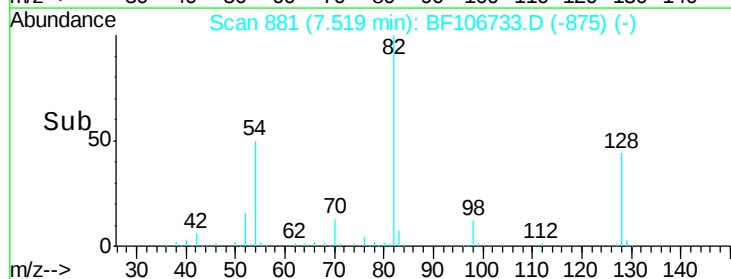
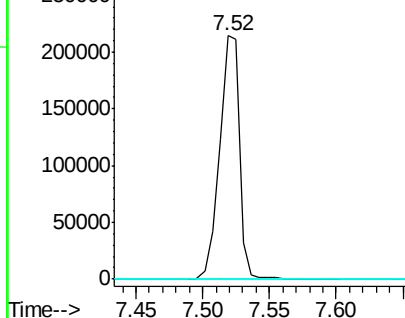


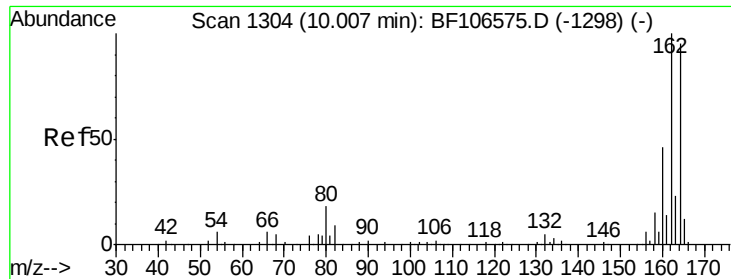
#25  
 Isophorone  
 Concen: 38.086 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.26 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

Tgt Ion: 82 Resp: 226585  
 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

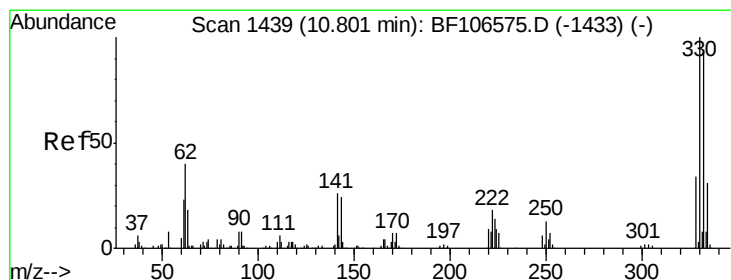
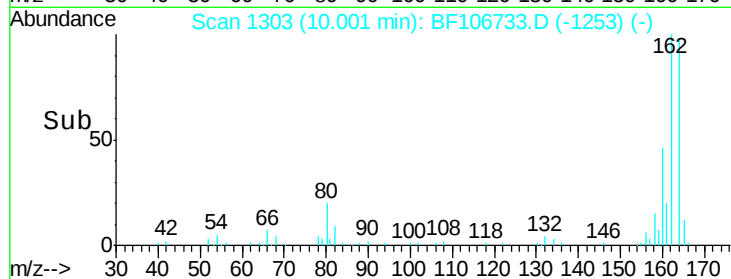
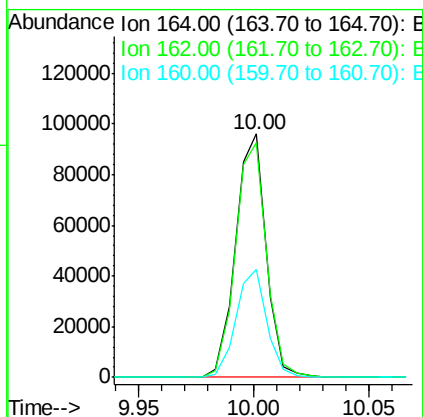
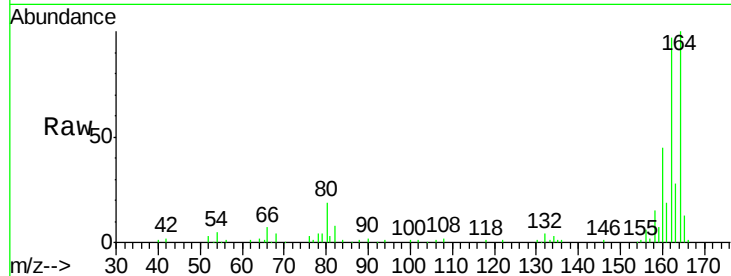




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

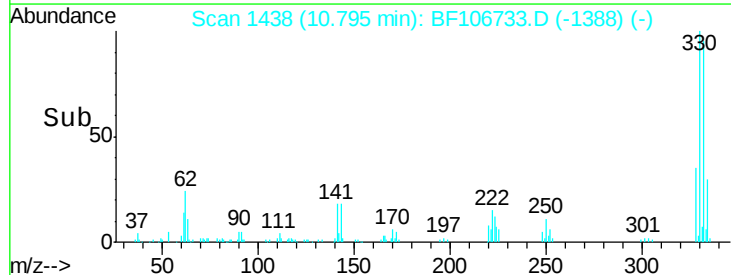
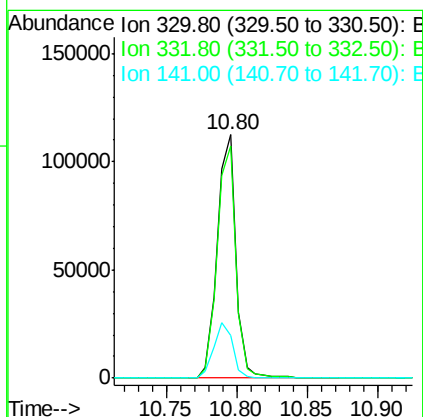
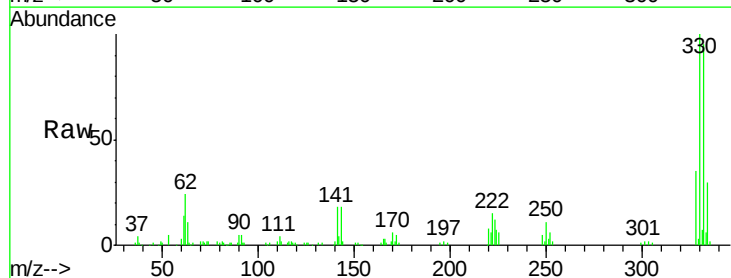
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-53-COMP

Tgt Ion:164 Resp: 88405  
 Ion Ratio Lower Upper  
 164 100  
 162 96.6 86.1 129.1  
 160 44.6 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 101.275 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

Tgt Ion:330 Resp: 103770  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.0 115.6  
 141 23.3 29.9 44.9#

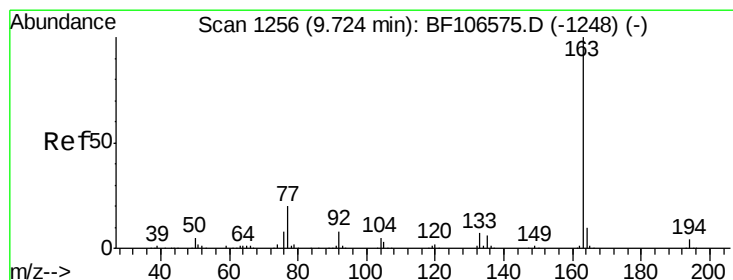
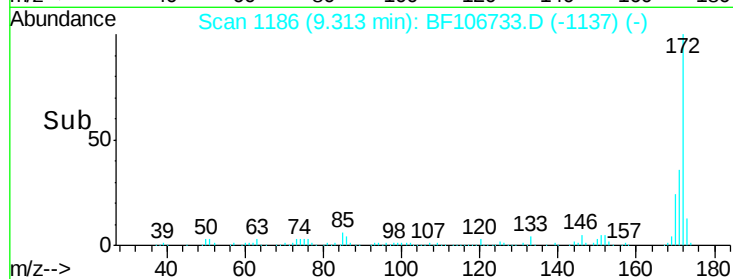
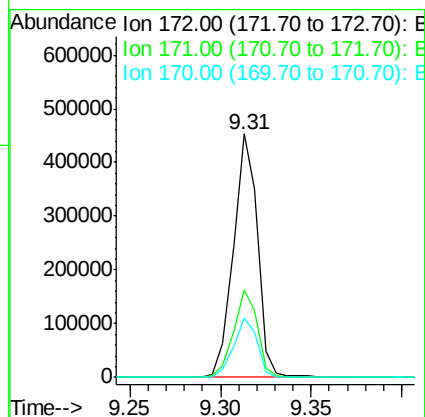
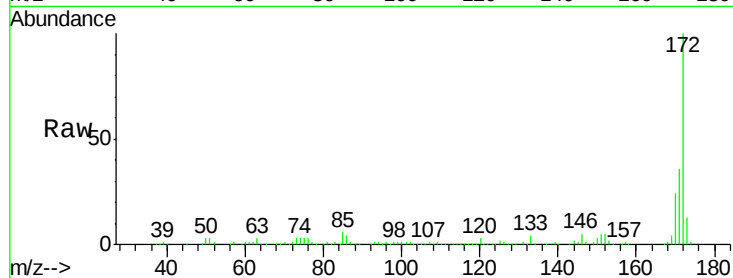




#44  
 2-Fluorobiphenyl  
 Concen: 79.270 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

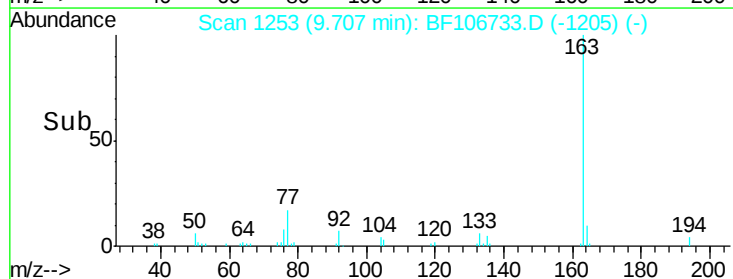
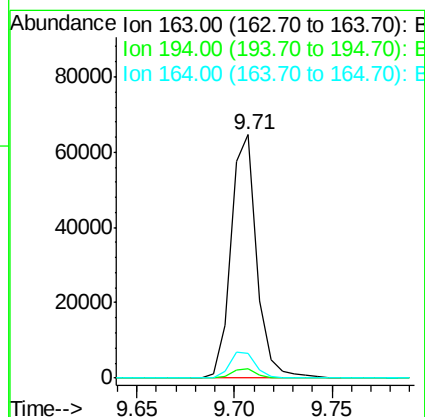
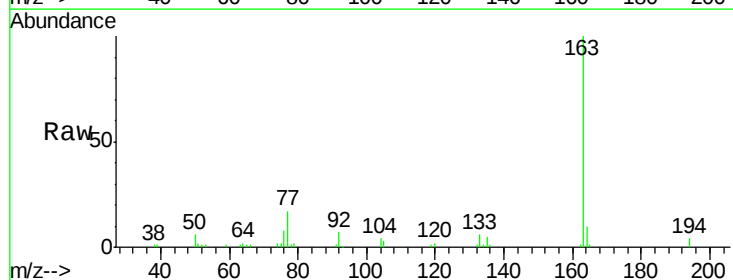
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-53-COMP

Tgt Ion:172 Resp: 419217  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.1 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 8.856 ng  
 RT: 9.71 min Scan# 1253  
 Delta R.T. -0.02 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

Tgt Ion:163 Resp: 58720  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 2.7 4.1  
 164 10.3 8.2 12.2

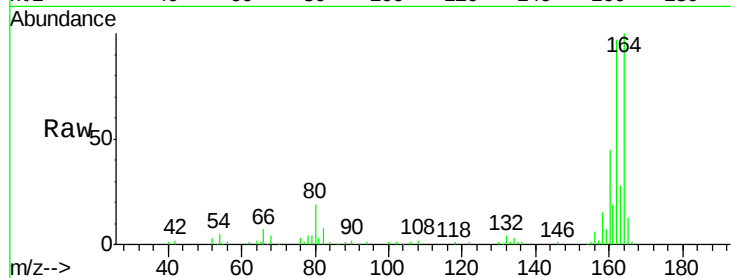




#56  
2,4-Dinitrotoluene  
Concen: 6.213 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.19 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

Instrument :  
BNA\_F  
ClientSampleId :  
SB-53-COMP

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

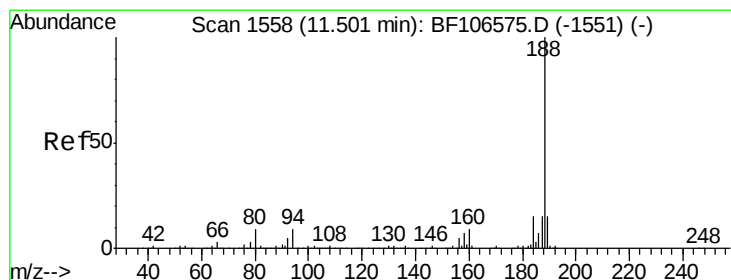
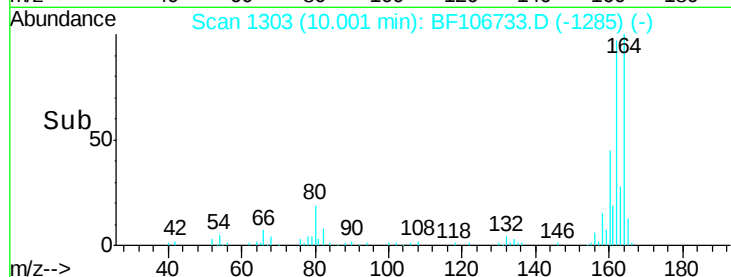
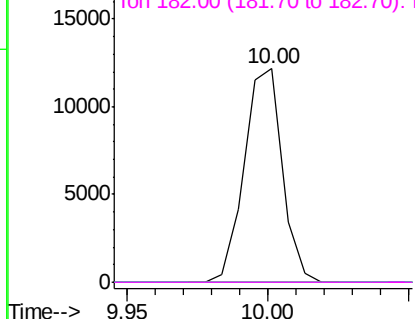


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

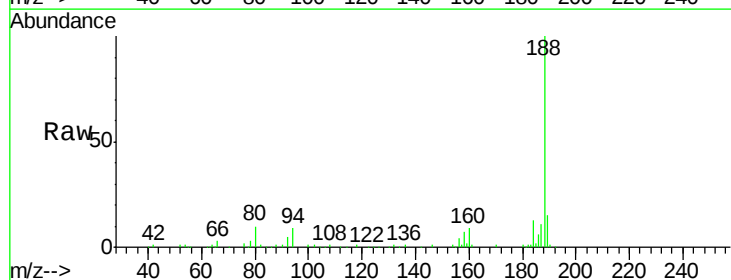
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

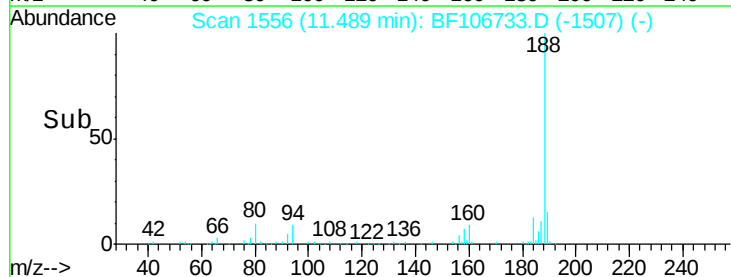
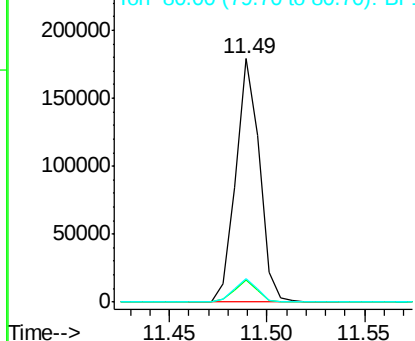
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.9   | 8.5   | 12.7  |
| 80      | 9.8   | 9.2   | 13.8  |



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

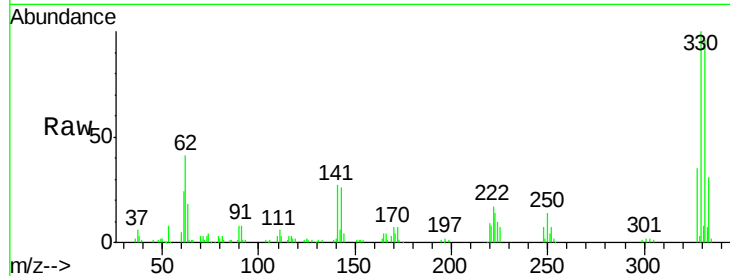




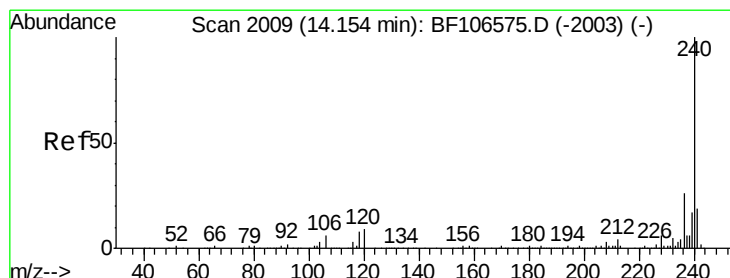
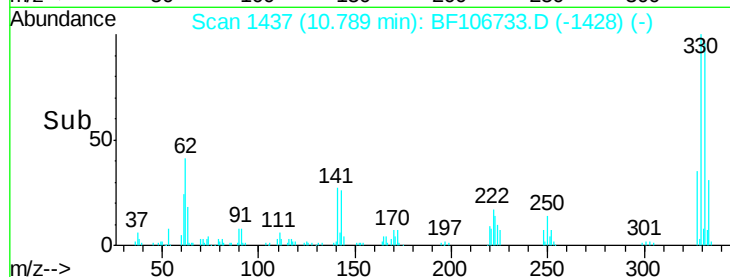
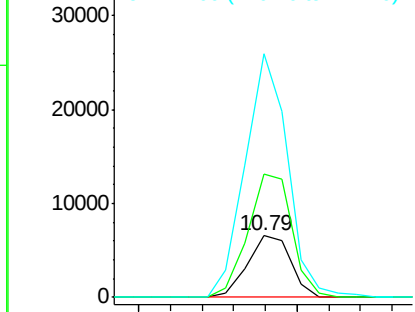
#66  
4-Bromophenyl-phenylether  
Concen: 3.419 ng  
RT: 10.79 min Scan# 1437  
Delta R.T. -0.25 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

Instrument :  
BNA\_F  
ClientSampleId :  
SB-53-COMP

Tgt Ion:248 Resp: 6167  
Ion Ratio Lower Upper  
248 100  
250 200.4 76.9 115.3#  
141 395.1 74.4 111.6#

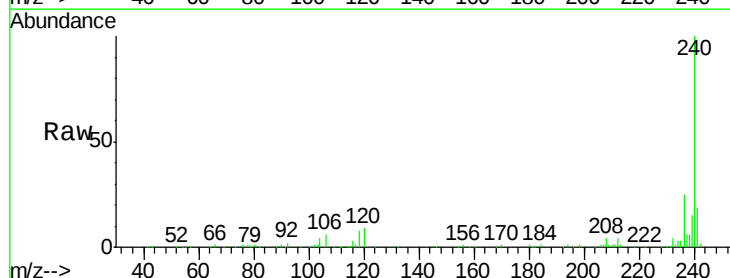


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

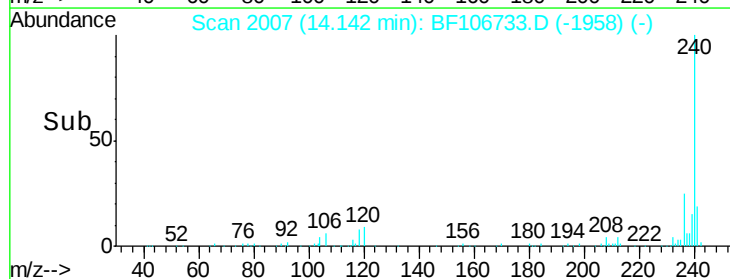
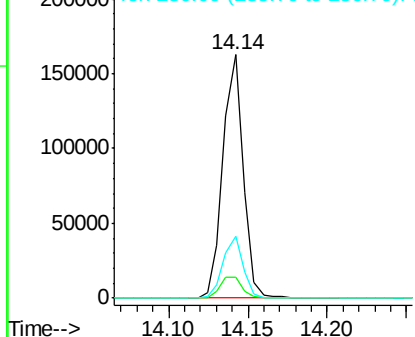


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF106733.D  
Acq: 23 Jun 2018 2:19

Tgt Ion:240 Resp: 145002  
Ion Ratio Lower Upper  
240 100  
120 8.7 9.5 14.3#  
236 25.3 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

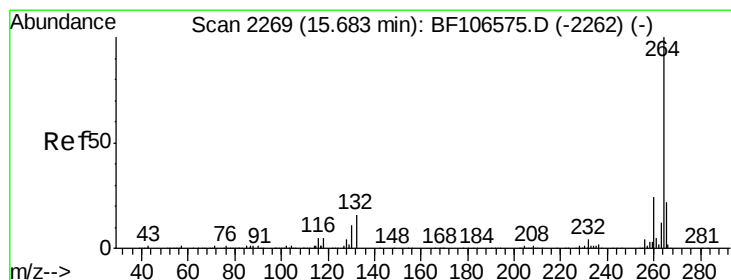
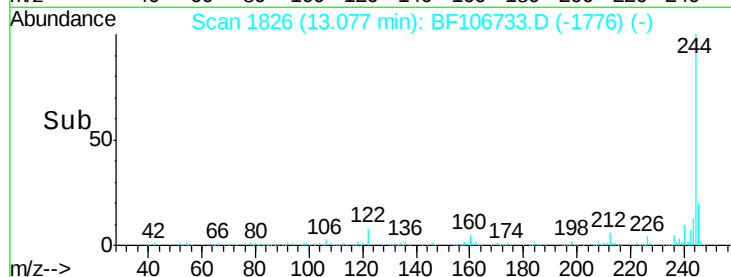
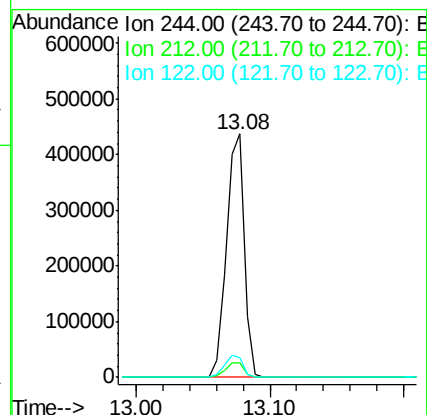
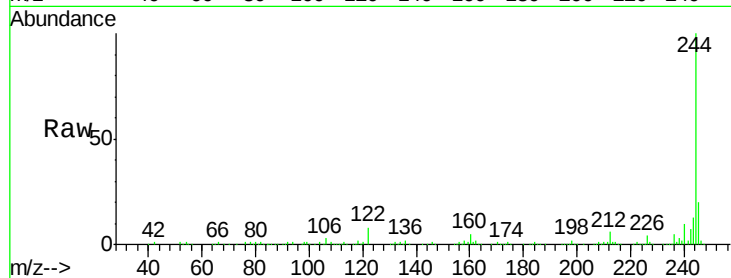




#78  
 Terphenyl-d14  
 Concen: 69.081 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-53-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.2   | 5.4   | 8.0   |
| 122     | 8.2   | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.01 min  
 Lab File: BF106733.D  
 Acq: 23 Jun 2018 2:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |

