

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050318\  
 Data File : BF105096.D  
 Acq On : 4 May 2018 1:53  
 Operator : JU/SJ  
 Sample : J2626-07  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 04 03:56:13 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

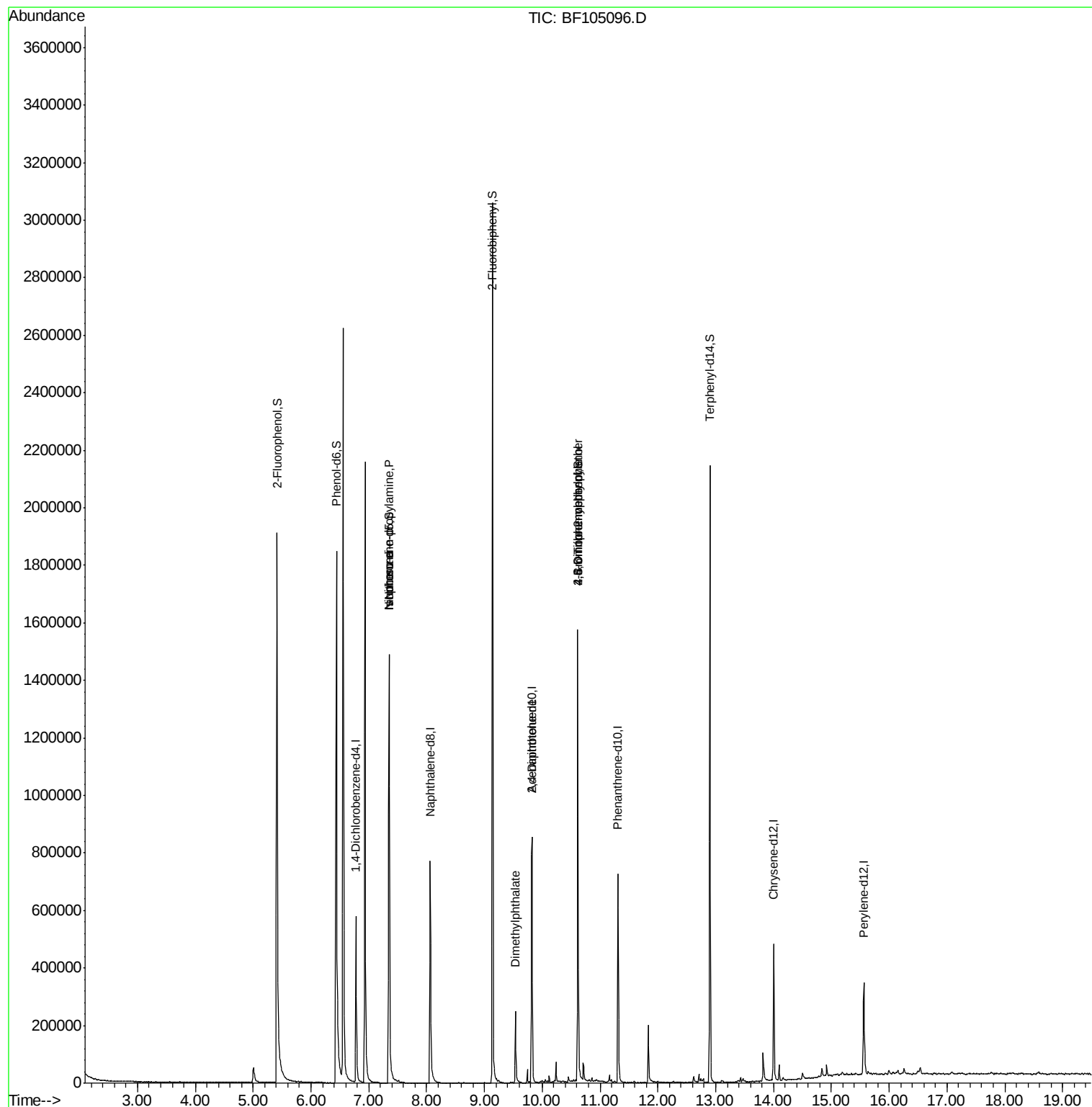
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.78  | 152  | 107766   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.06  | 136  | 446272   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.82  | 164  | 192487   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.31 | 188  | 297103   | 20.00     | ng    | -0.01    |
| 75) Chrysene-d12               | 14.00 | 240  | 190603   | 20.00     | ng    | -0.03    |
| 86) Perylene-d12               | 15.56 | 264  | 152513   | 20.00     | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 850357   | 120.65    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.44  | 99   | 1040052  | 120.10    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.35  | 82   | 605941   | 88.66     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.62 | 330  | 228332   | 114.35    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1070374  | 87.85     | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.90 | 244  | 750994   | 89.83     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70   | 78849    | 13.93     | ng    | # 72     |
| 25) Isophorone                 | 7.35  | 82   | 605993   | 41.93     | ng    | # 64     |
| 49) Dimethylphthalate          | 9.54  | 163  | 131754   | 8.68      | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 24683    | 6.70      | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 436      | 7.60      | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 14184    | 4.49      | ng    | # 1      |
| 76) Benzidine                  | 12.90 | 184  | 9380     | Below Cal |       | 96       |

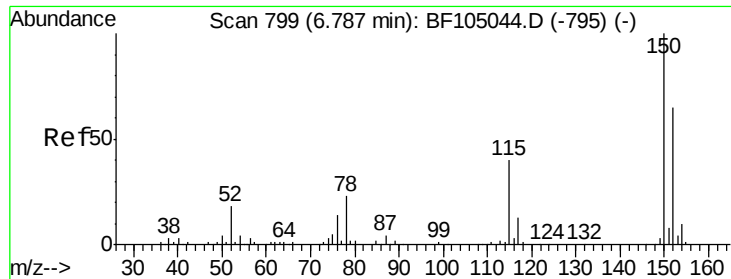
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

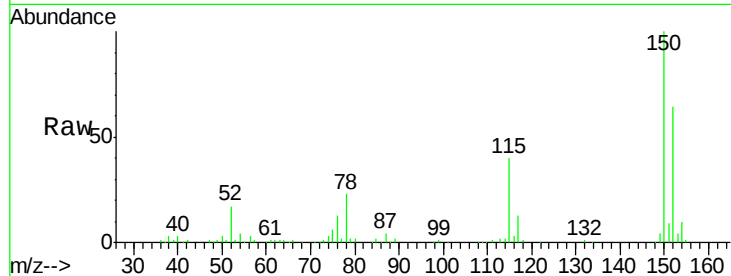
Tot Ion:152 Resp: 107766

Ion Ratio Lower Upper

152 100

150 157.4 124.6 186.8

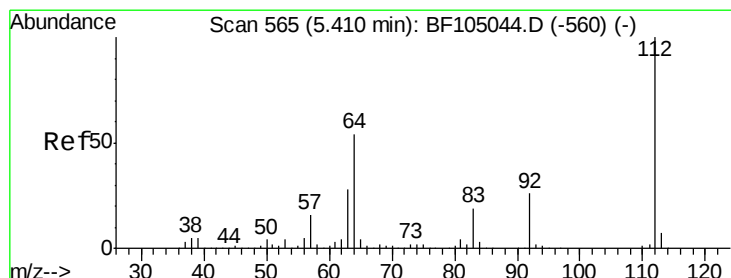
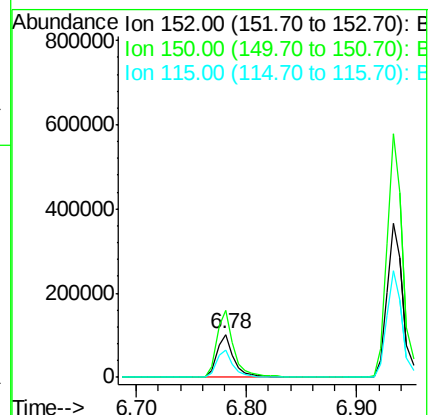
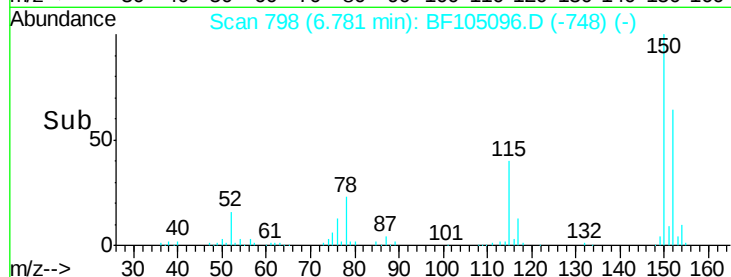
115 62.7 50.1 75.1



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: 120.65 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

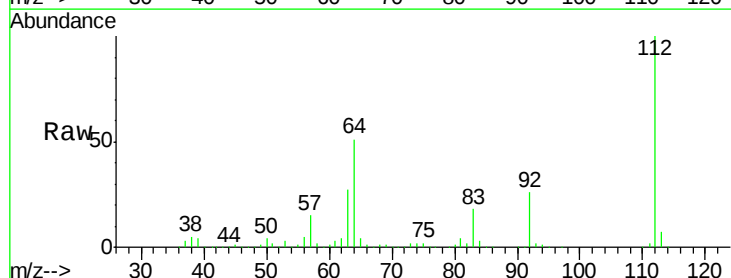
Tgt Ion:112 Resp: 850357

Ion Ratio Lower Upper

112 100

64 51.4 47.9 71.9

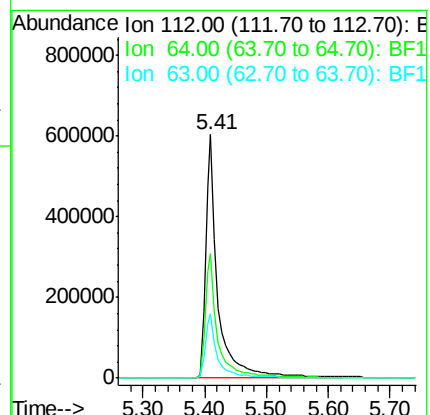
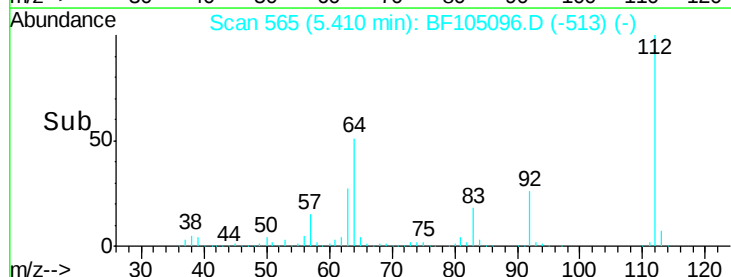
63 26.6 23.7 35.5

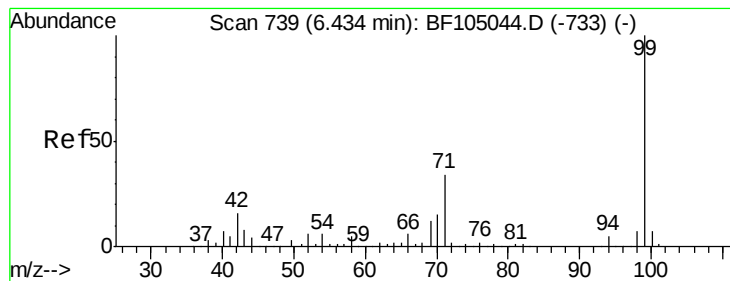


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 120.10 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

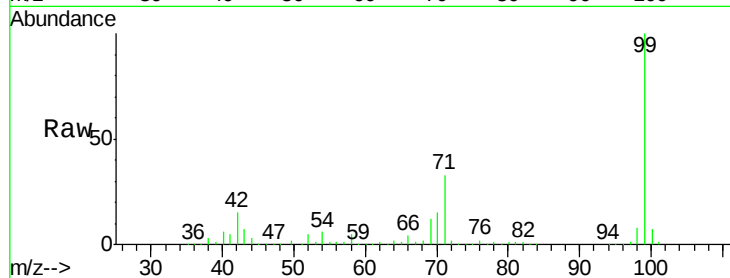
Tot Ion: 99 Resp: 1040052

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

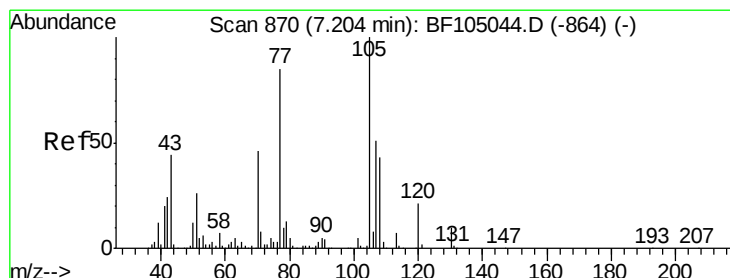
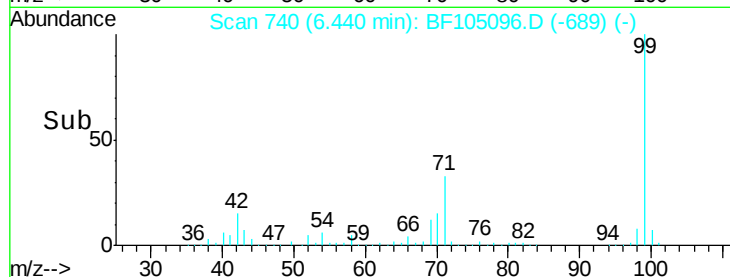
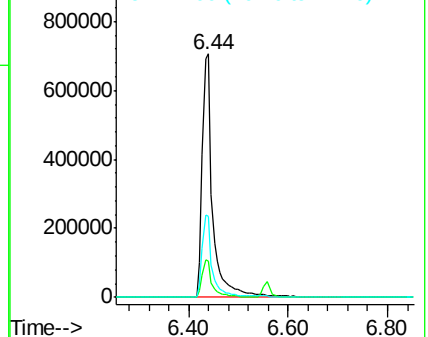
71 33.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.93 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Tgt Ion: 70 Resp: 78849

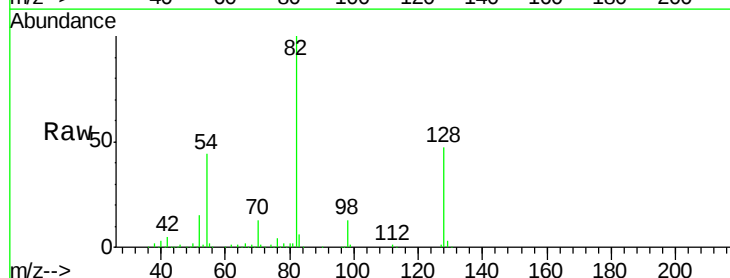
Ion Ratio Lower Upper

70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

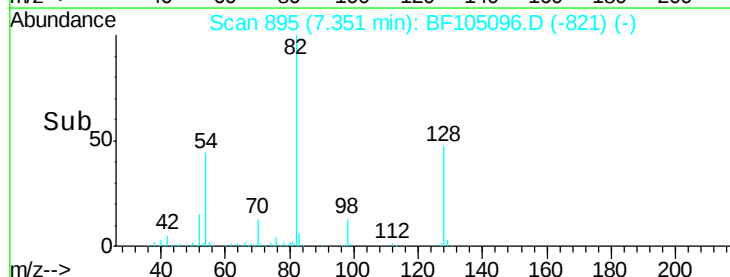
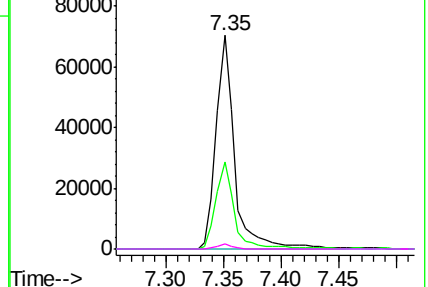


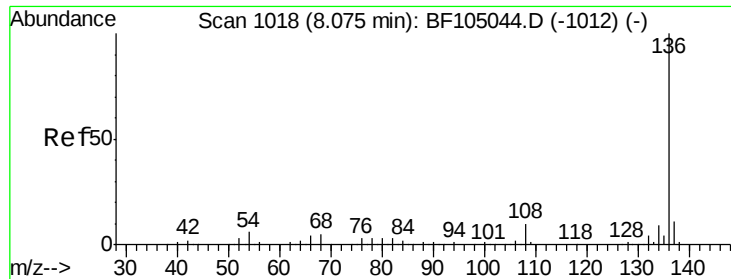
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF105096.D

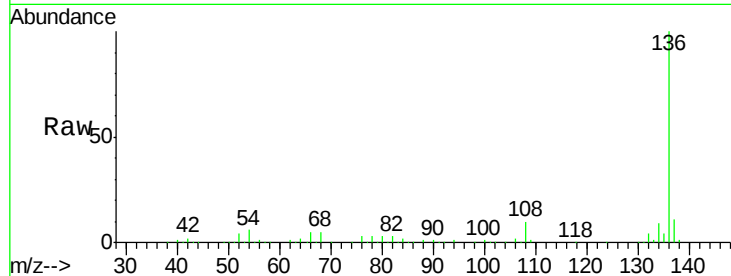
Acq: 4 May 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 446272   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 8.9 13.3 |
| 54          | 6.0   | 6.6 9.8# |
| 68          | 5.3   | 5.0 7.4  |

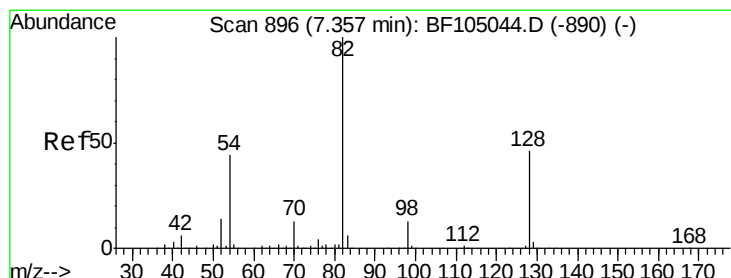
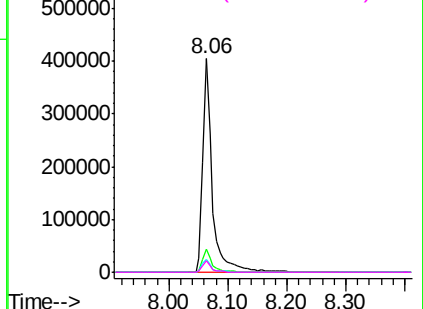
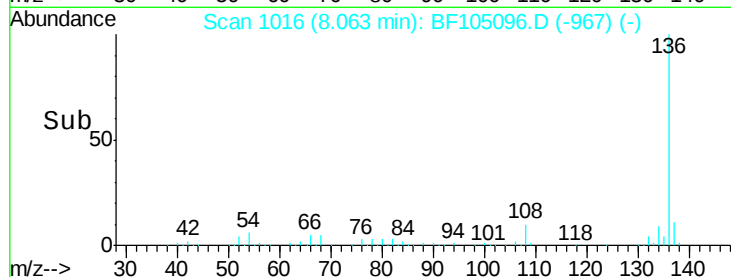


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.66 ng

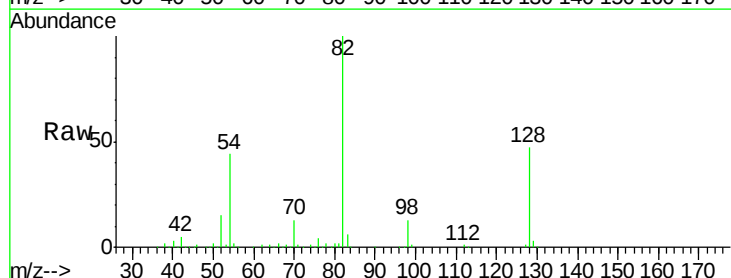
RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

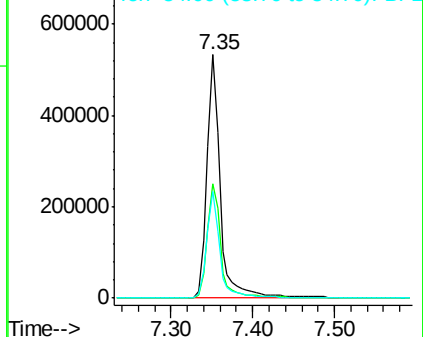
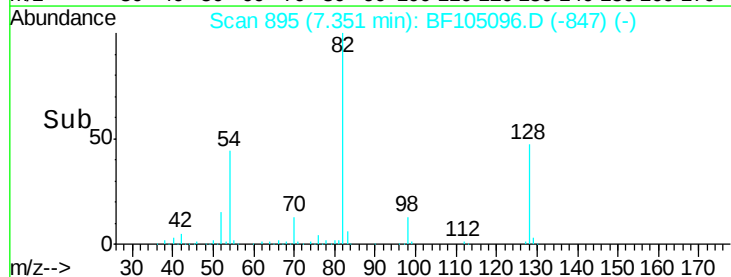
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 605941    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 47.1  | 36.1 54.1 |
| 54          | 43.8  | 41.4 62.2 |

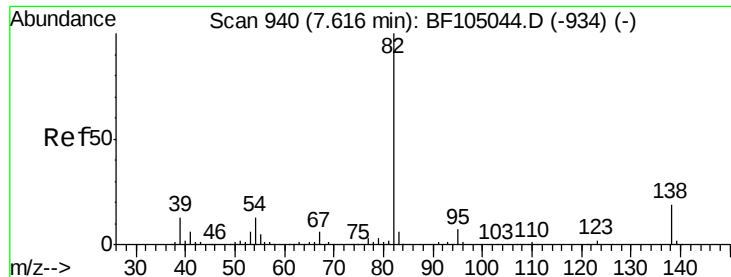


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.93 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.27 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

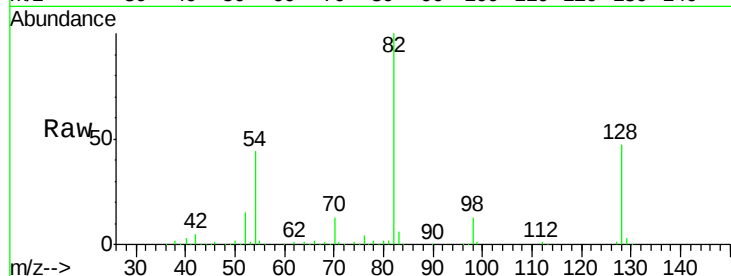
Tot Ion: 82 Resp: 605993

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

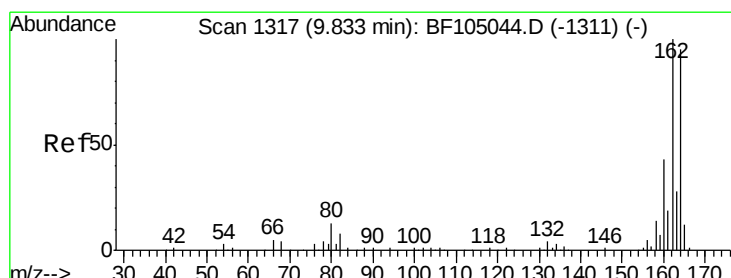
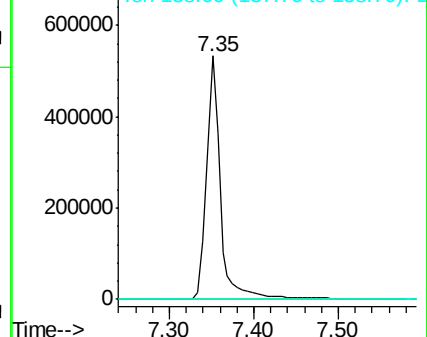
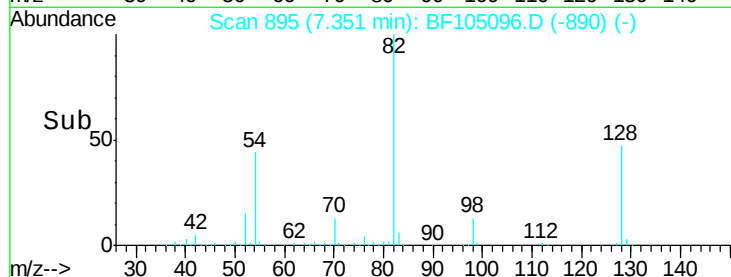
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

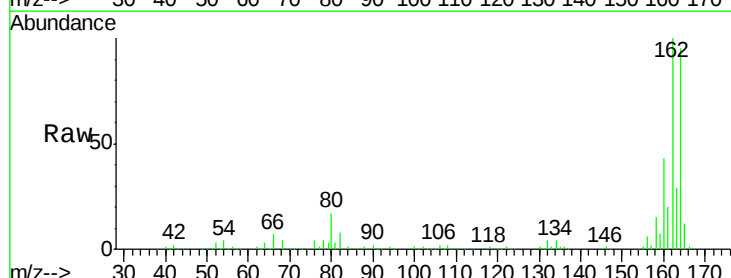
Tgt Ion: 164 Resp: 192487

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

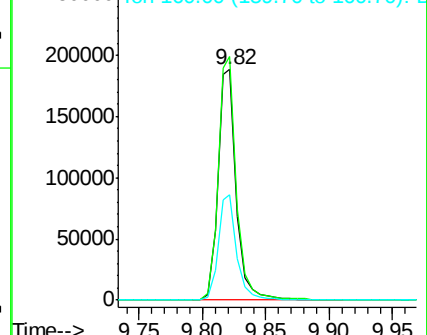
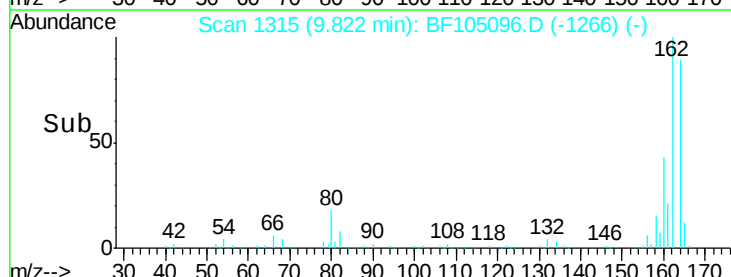
160 45.6 38.3 57.5

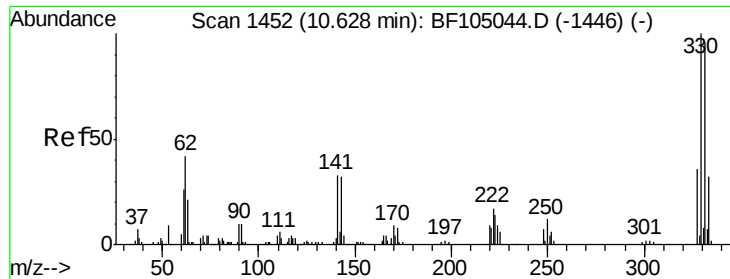


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

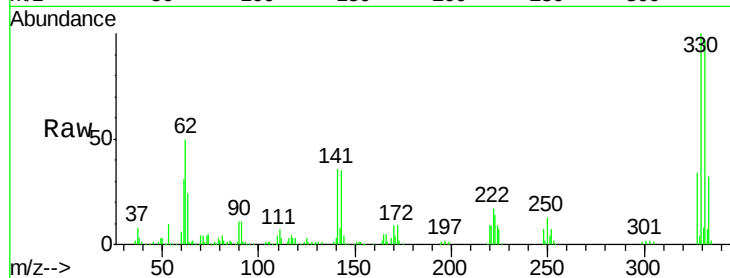




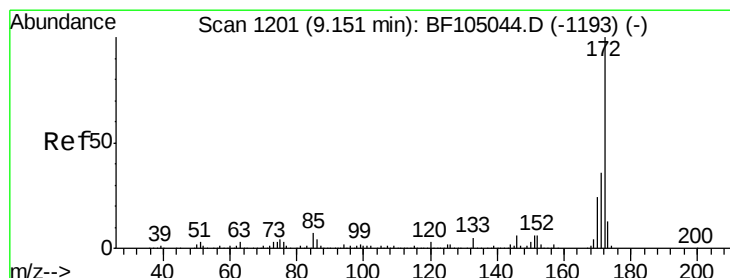
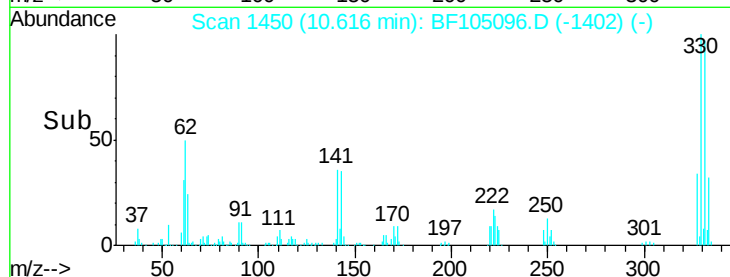
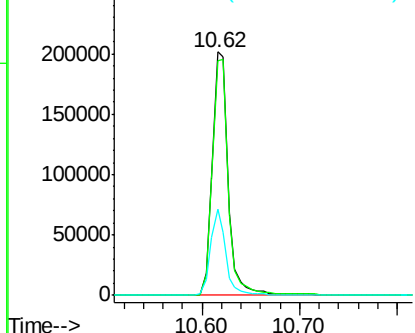
#41  
 2,4,6-Tribromophenol  
 Concen: 114.35 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.02 min  
 Lab File: BF105096.D  
 Acq: 4 May 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 228332  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.0 115.6  
 141 33.7 29.9 44.9

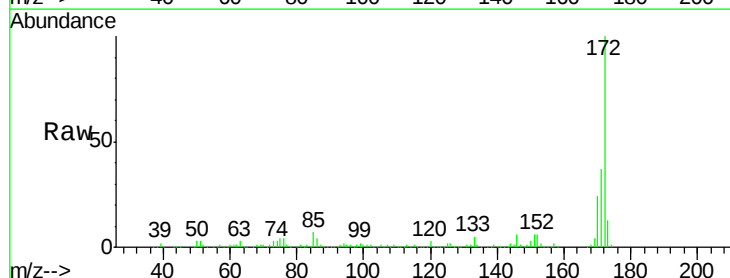


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

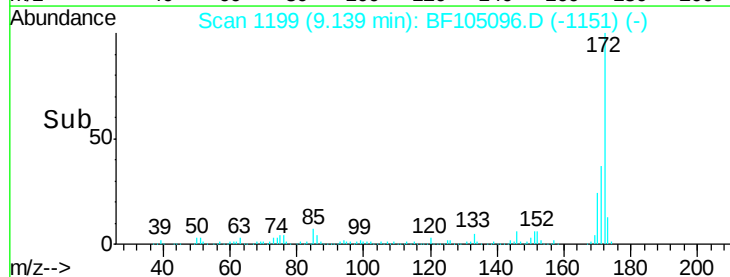
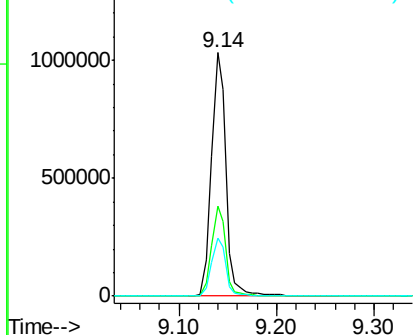


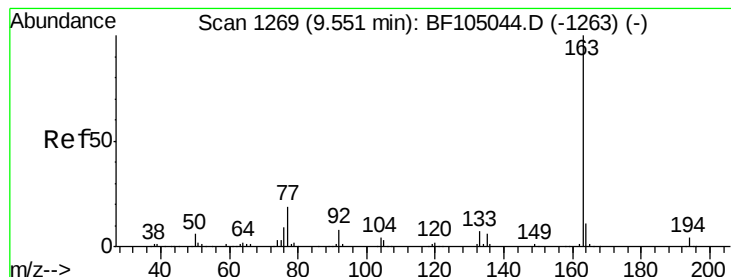
#44  
 2-Fluorobiphenyl  
 Concen: 87.85 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.02 min  
 Lab File: BF105096.D  
 Acq: 4 May 2018 1:53

Tgt Ion:172 Resp: 1070374  
 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: 8.68 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Instrument :

BNA\_F

ClientSampleId :

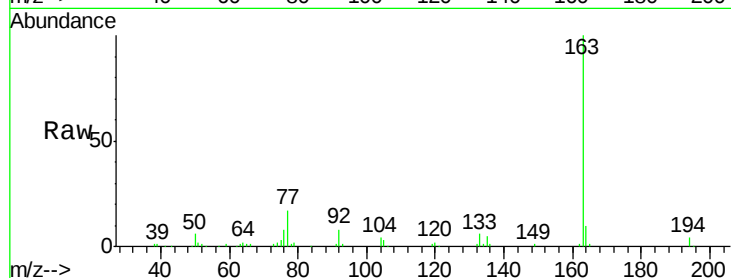
Tot Ion:163 Resp: 131754

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

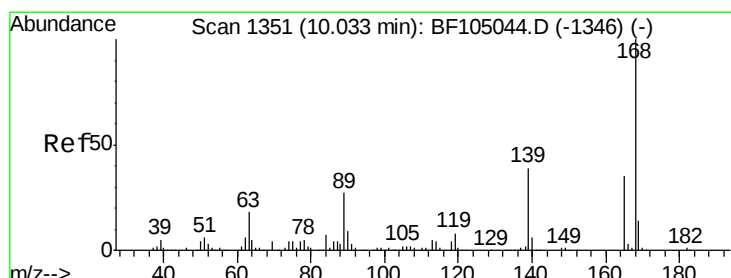
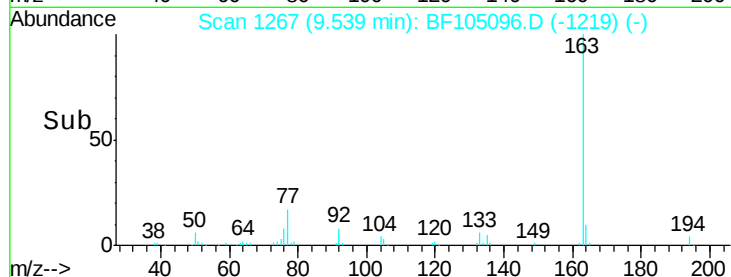
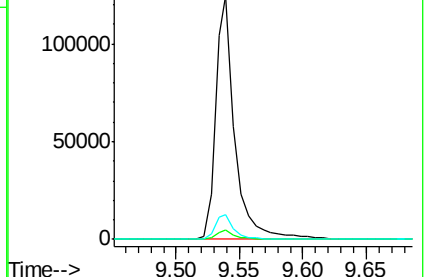
164 10.1 8.2 12.2



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: 6.70 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.22 min

Lab File: BF105096.D

Acq: 4 May 2018 1:53

Tgt Ion:165 Resp: 24683

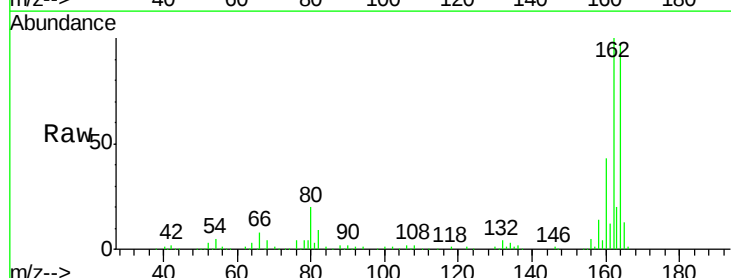
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

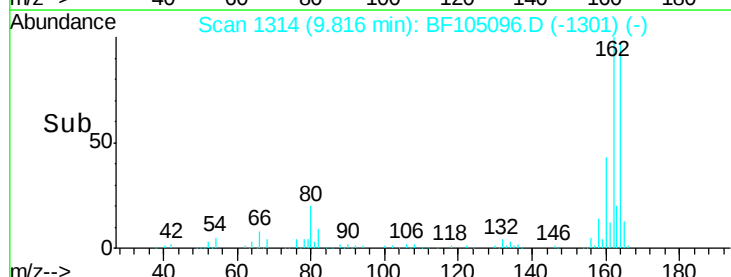
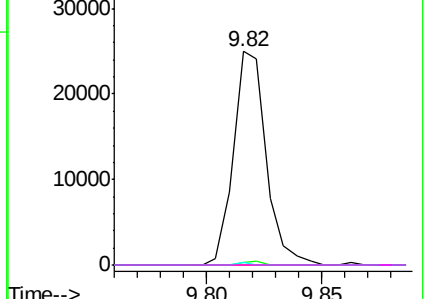


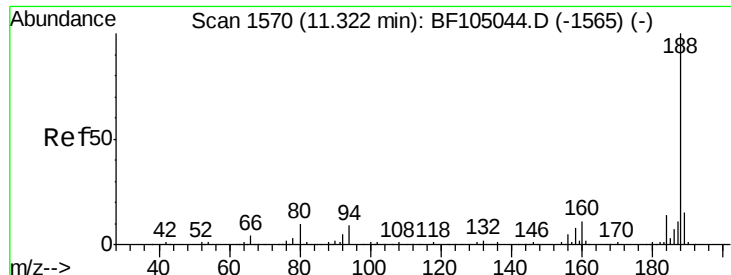
Abundance Ion 165.00 (164.70 to 165.70): E

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

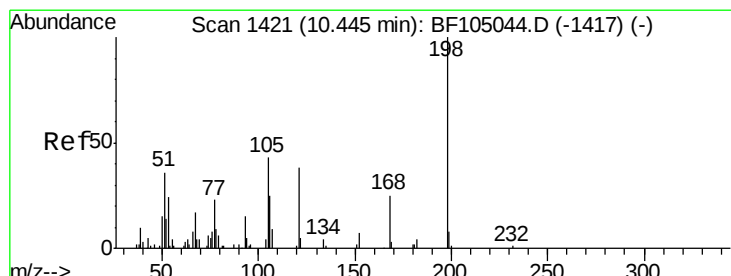
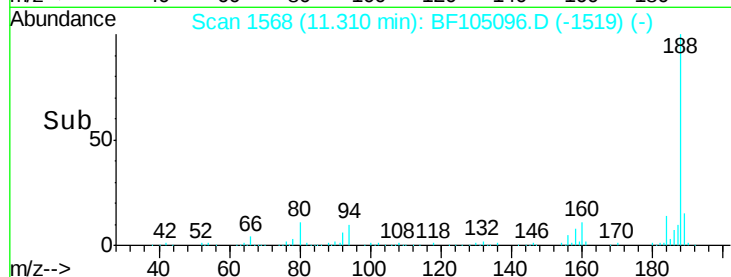
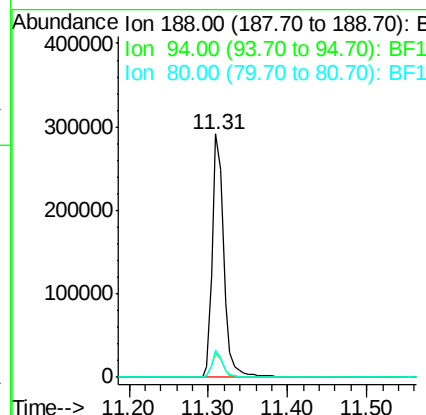
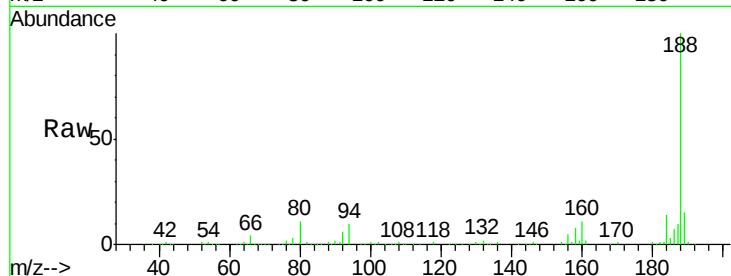




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF105096.D  
Acq: 4 May 2018 1:53

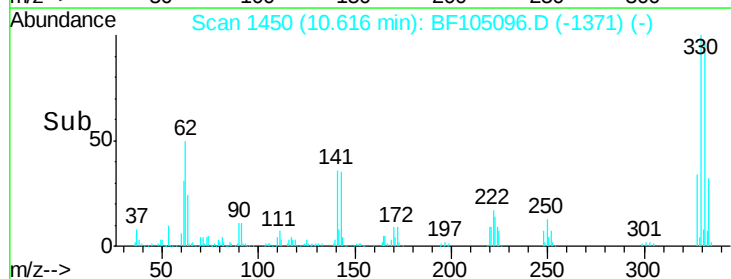
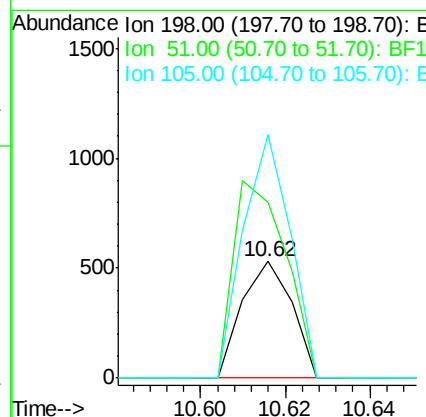
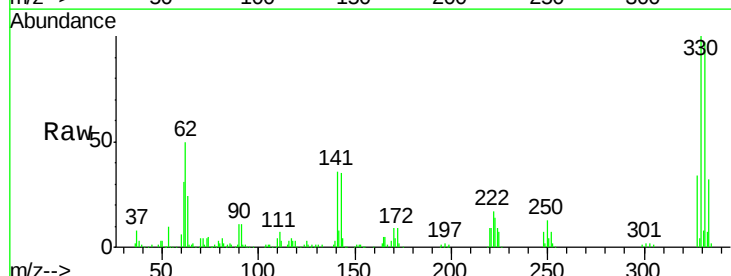
Instrument :  
BNA\_F  
ClientSampleId :

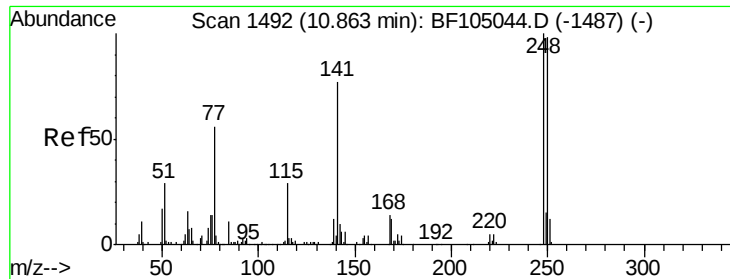
Tot Ion:188 Resp: 297103  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.5 12.7  
80 11.4 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 7.60 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. 0.16 min  
Lab File: BF105096.D  
Acq: 4 May 2018 1:53

Tgt Ion:198 Resp: 436  
Ion Ratio Lower Upper  
198 100  
51 151.0 37.7 77.7#  
105 208.5 36.3 76.3#

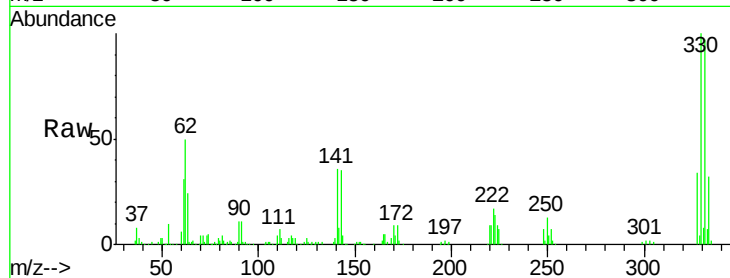




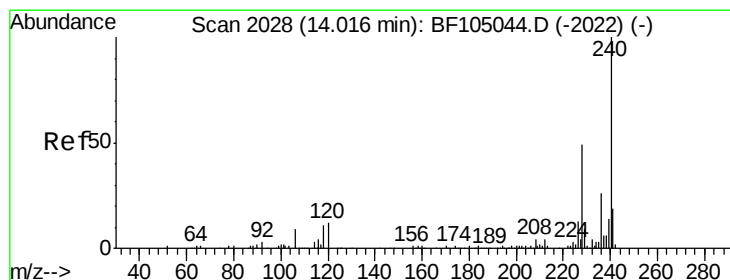
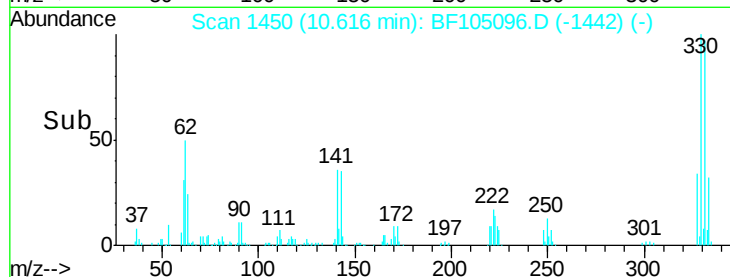
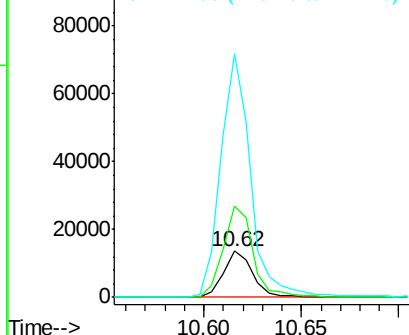
#66  
4-Bromophenyl-phenylether  
Concen: 4.49 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.25 min  
Lab File: BF105096.D  
Acq: 4 May 2018 1:53

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 14184  
Ion Ratio Lower Upper  
248 100  
250 199.7 76.9 115.3#  
141 529.1 74.4 111.6#

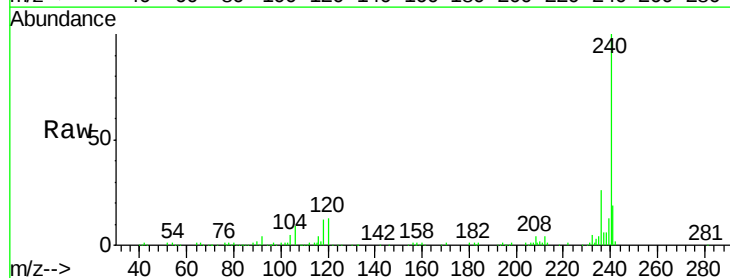


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

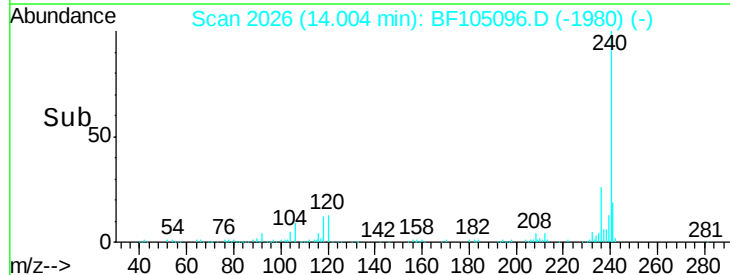
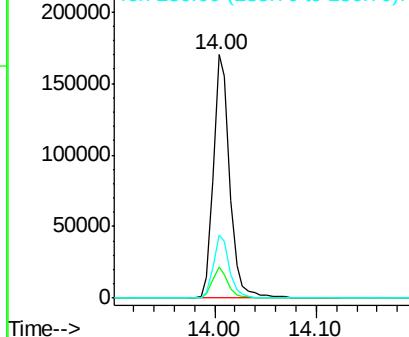


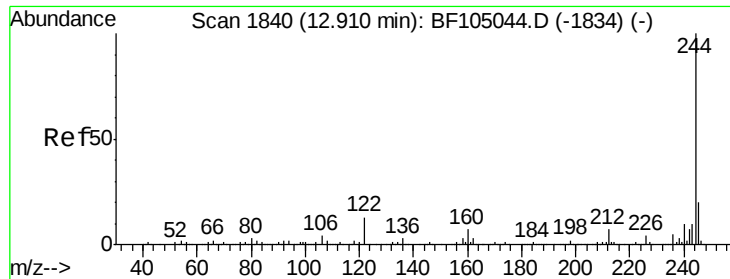
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.03 min  
Lab File: BF105096.D  
Acq: 4 May 2018 1:53

Tgt Ion:240 Resp: 190603  
Ion Ratio Lower Upper  
240 100  
120 12.9 9.5 14.3  
236 25.8 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

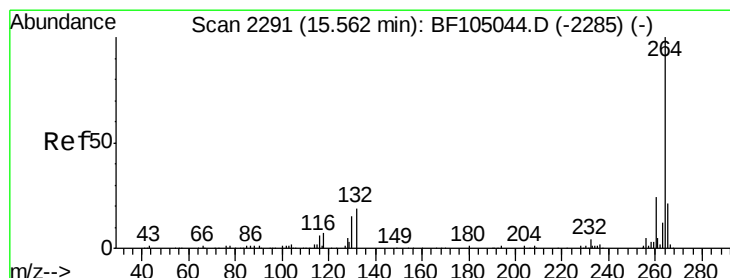
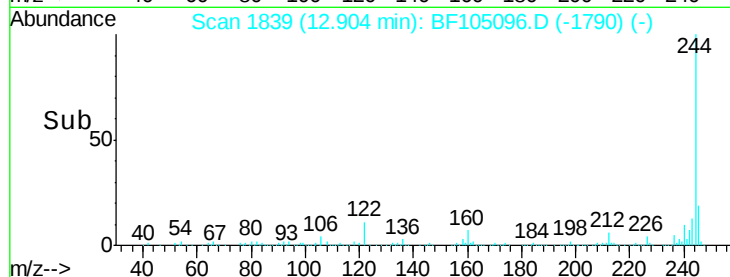
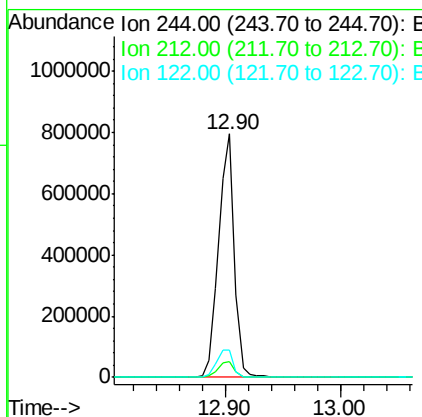
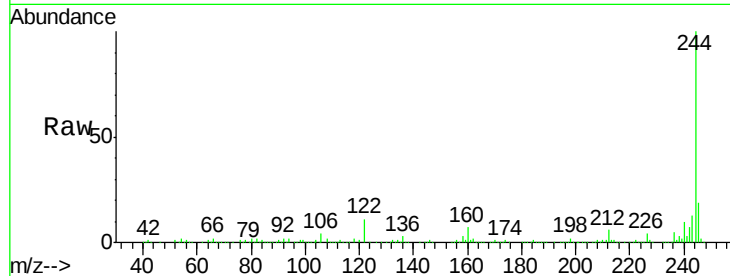




#78  
 Terphenyl-d14  
 Concen: 89.83 ng  
 RT: 12.90 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BF105096.D  
 Acq: 4 May 2018 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 750994  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 11.2 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.56 min Scan# 2291  
 Delta R.T. -0.03 min  
 Lab File: BF105096.D  
 Acq: 4 May 2018 1:53

Tgt Ion:264 Resp: 152513  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 20.6 17.5 26.3

