

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022318\  
 Data File : BF103185.D  
 Acq On : 23 Feb 2018 8:53  
 Operator : SJ/JU  
 Sample : J1161-01  
 Misc : LOD-S-1ppm  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 23 10:24:06 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 02:43:46 2018  
 Response via : Initial Calibration

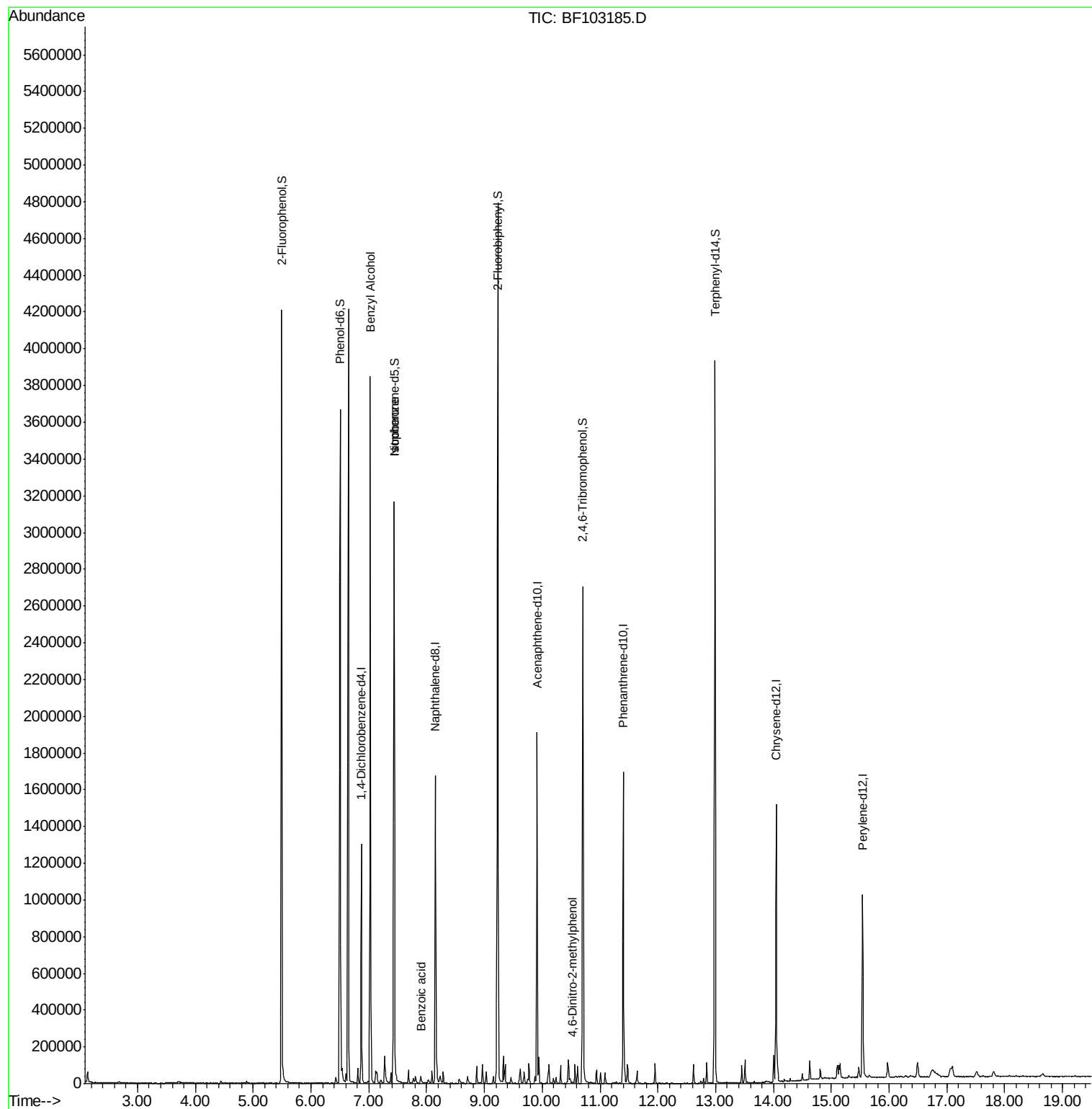
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 178072   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 780512   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.91  | 164  | 370271   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.40 | 188  | 643445   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.05 | 240  | 473163   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.54 | 264  | 464834   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1346426  | 114.36 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.51  | 99   | 1634904  | 113.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 1204246  | 88.11  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.70 | 330  | 372692   | 118.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 1797761  | 83.21  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.99 | 244  | 1468571  | 74.61  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.03  | 79   | 27206    | 2.506  | ng    | # 37     |
| 25) Isophorone                 | 7.44  | 82   | 1204239  | 44.738 | ng    | # 64     |
| 32) Benzoic acid               | 7.90  | 122  | 689      | 6.987  | ng    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 1060     | 5.188  | ng    | 92       |

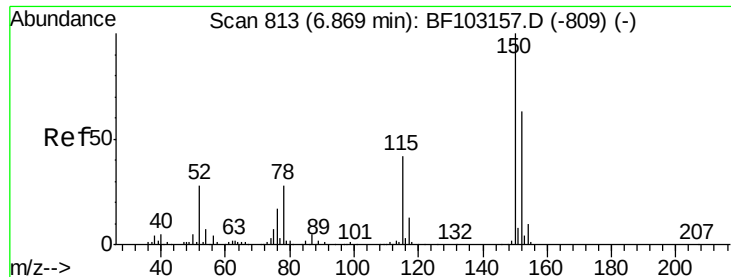
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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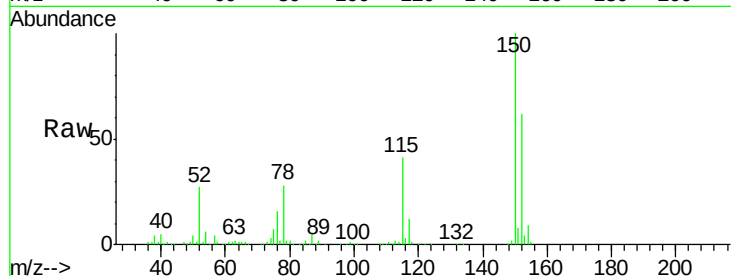


#1

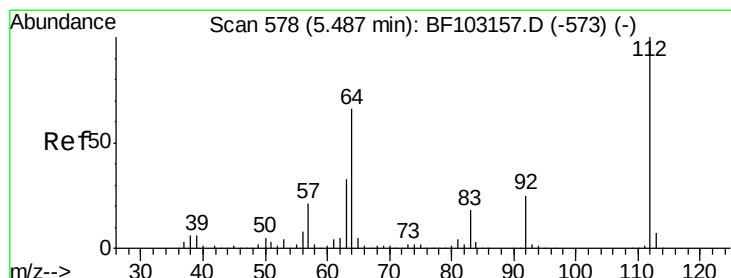
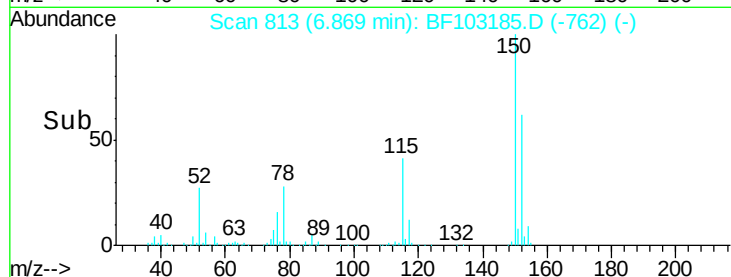
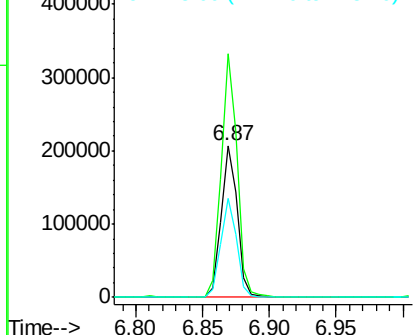
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BF103185.D  
Acq: 23 Feb 2018 8:53

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 178072  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.6 186.8  
115 65.5 50.1 75.1



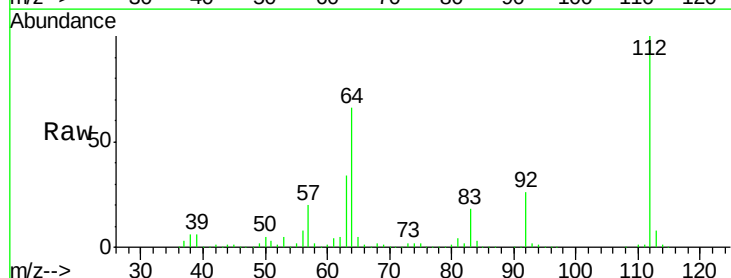
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



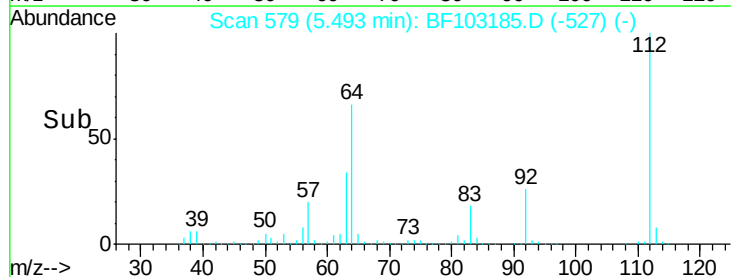
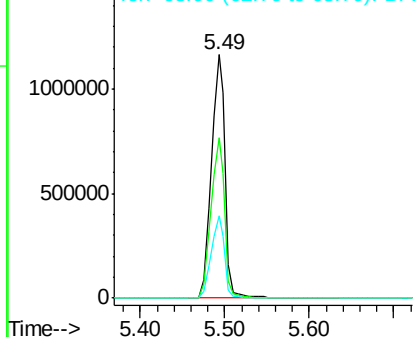
#5

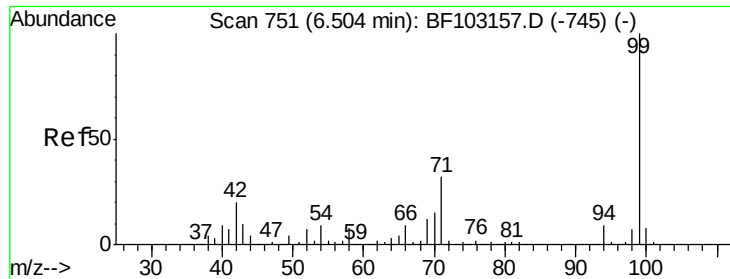
2-Fluorophenol  
Concen: 114.357 ng  
RT: 5.49 min Scan# 579  
Delta R.T. 0.01 min  
Lab File: BF103185.D  
Acq: 23 Feb 2018 8:53

Tgt Ion:112 Resp: 1346426  
Ion Ratio Lower Upper  
112 100  
64 65.8 47.9 71.9  
63 33.8 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: 113.479 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

Instrument :

BNA\_F

ClientSampleId :

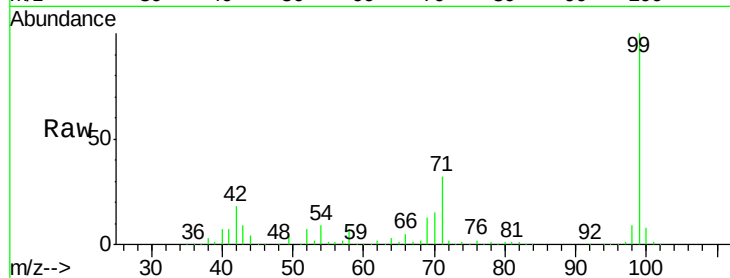
Tot Ion: 99 Resp: 1634904

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

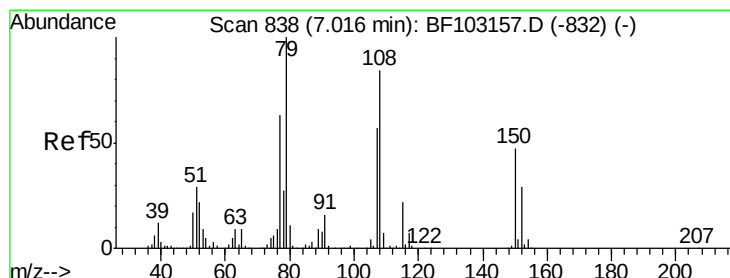
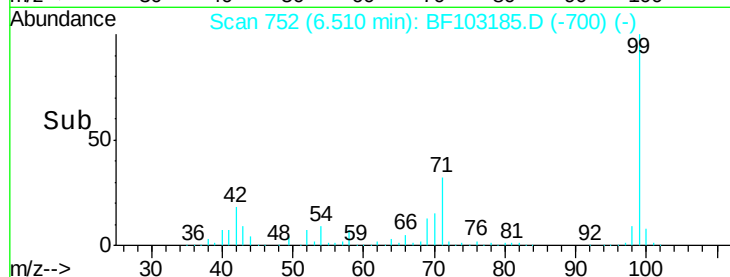
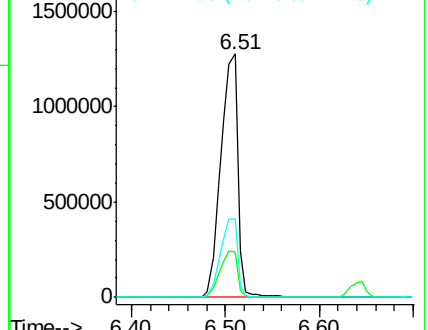
71 32.3 25.4 38.0



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



#15

Benzyl Alcohol

Concen: 2.506 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

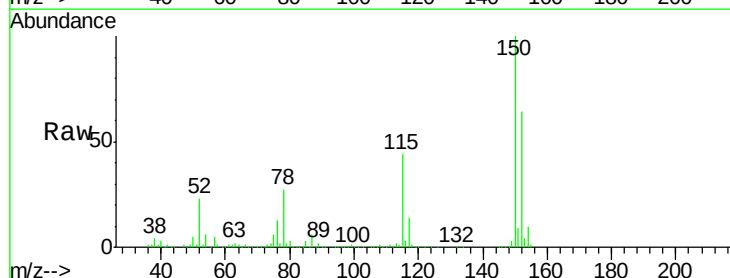
Tgt Ion: 79 Resp: 27206

Ion Ratio Lower Upper

79 100

108 36.0 65.1 97.7#

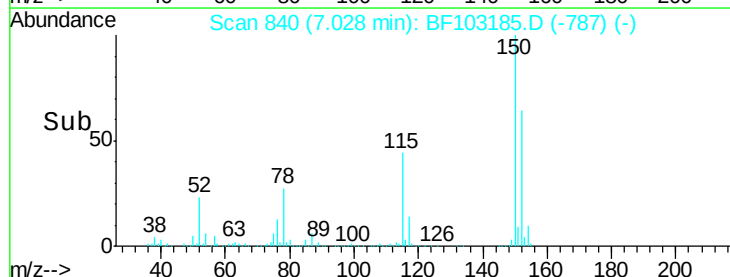
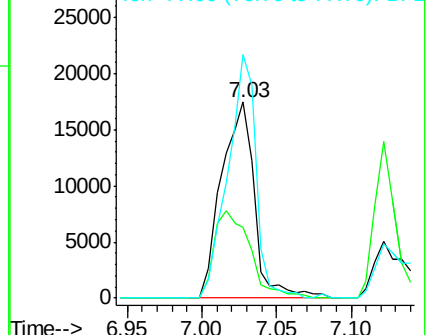
77 124.3 50.6 75.8#

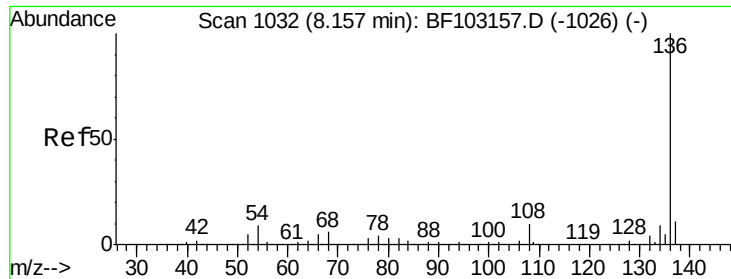


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

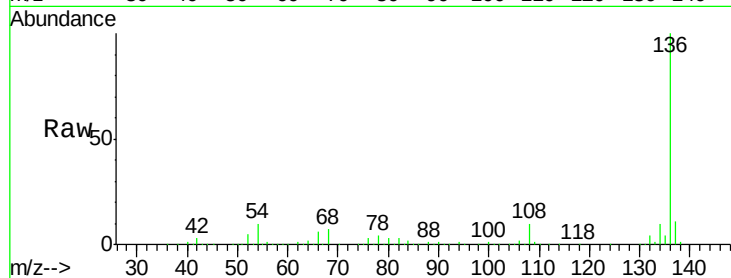




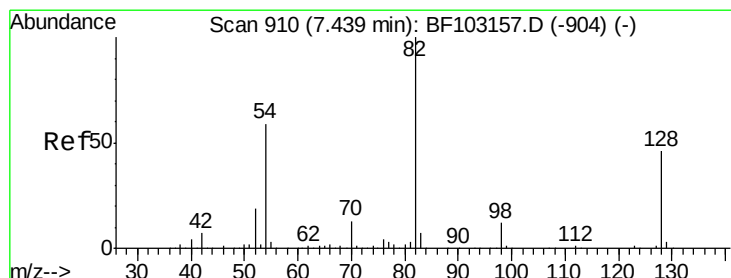
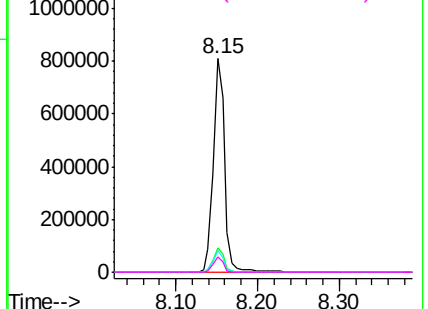
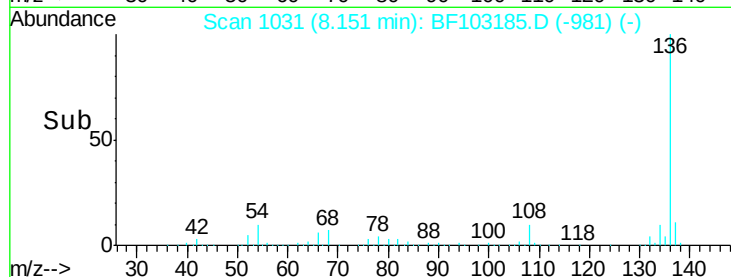
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF103185.D  
Acq: 23 Feb 2018 8:53

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 780512   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.9 13.3 |
| 54          | 10.4  | 6.6 9.8# |
| 68          | 6.9   | 5.0 7.4  |

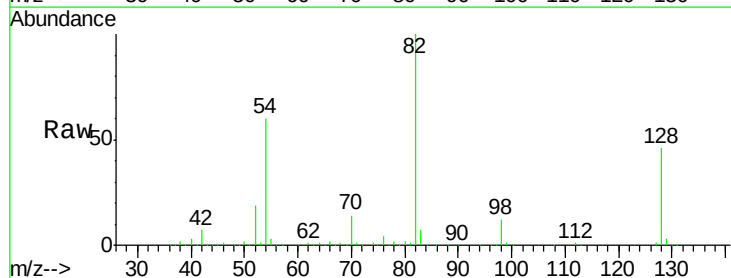


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

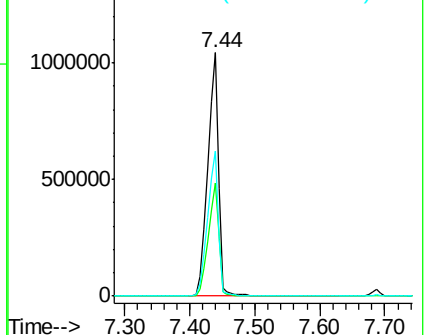
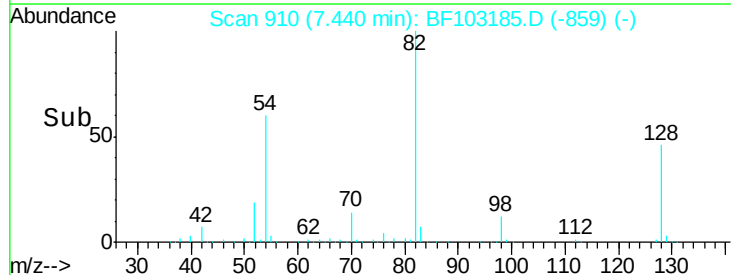


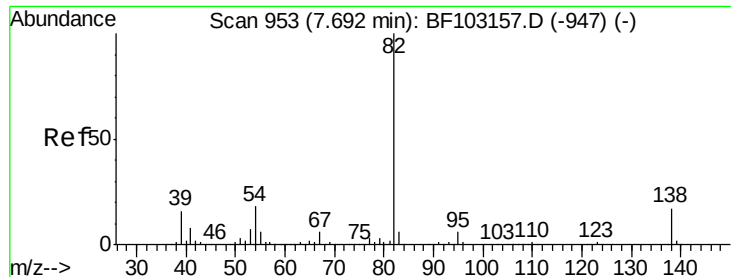
#23  
Nitrobenzene-d5  
Concen: 88.112 ng  
RT: 7.44 min Scan# 910  
Delta R.T. 0.00 min  
Lab File: BF103185.D  
Acq: 23 Feb 2018 8:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 1204246   |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.4  | 36.1 54.1 |
| 54          | 59.5  | 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: 44.738 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

Instrument :

BNA\_F

ClientSampleId :

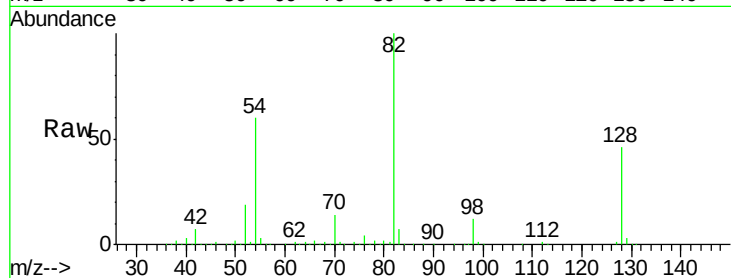
Tot Ion: 82 Resp: 1204239

Ion Ratio Lower Upper

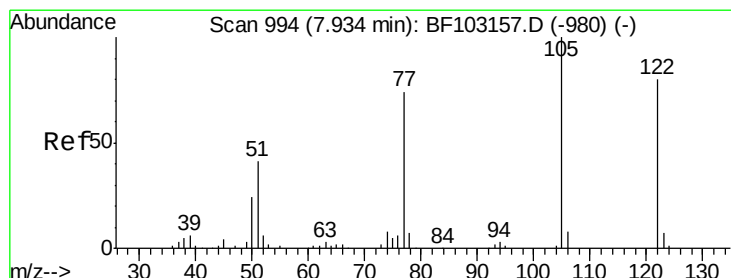
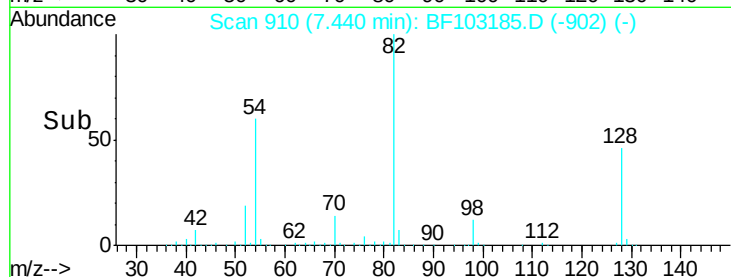
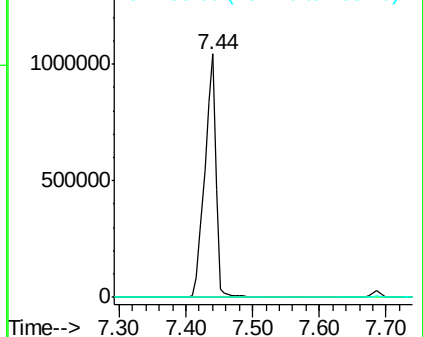
82 100

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



#32

Benzoic acid

Concen: 6.987 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

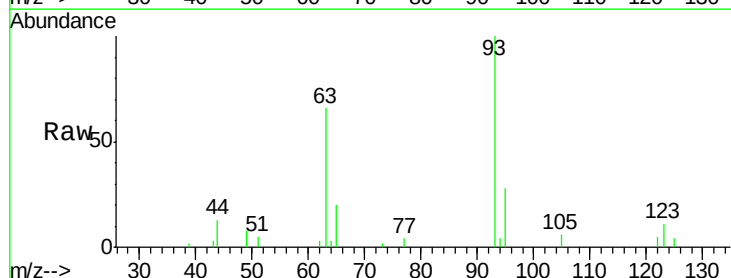
Tgt Ion: 122 Resp: 689

Ion Ratio Lower Upper

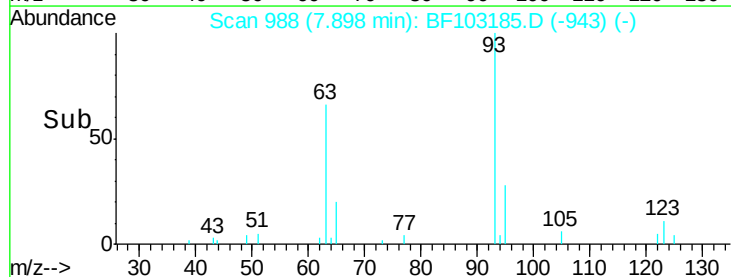
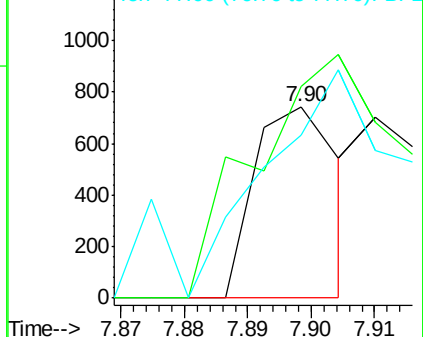
122 100

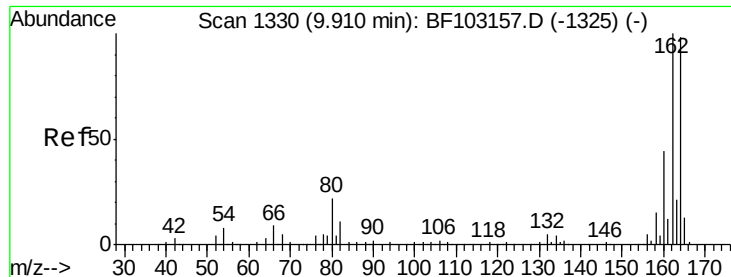
105 110.5 101.1 141.1

77 85.3 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

Instrument :

BNA\_F

ClientSampled :

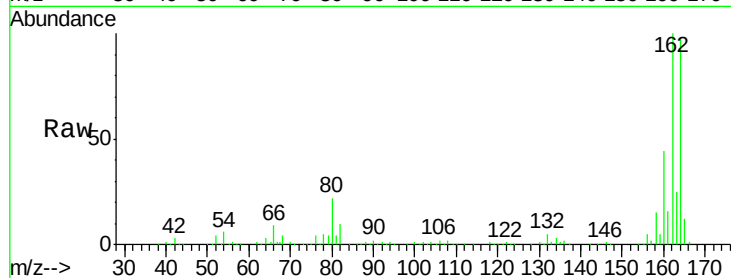
Tot Ion:164 Resp: 370271

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

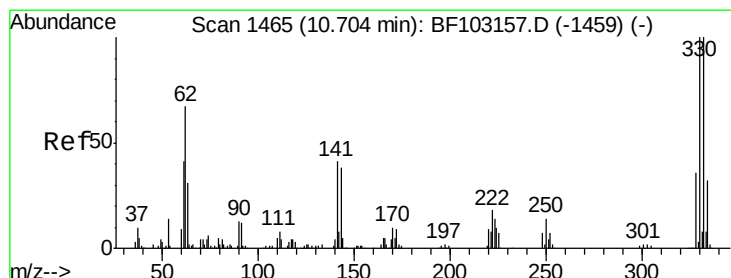
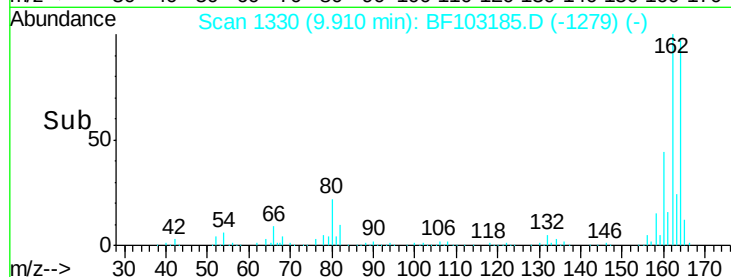
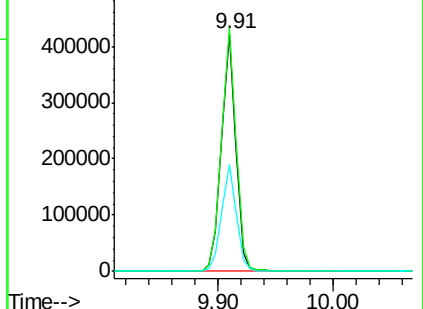
160 44.8 38.3 57.5



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: 118.914 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

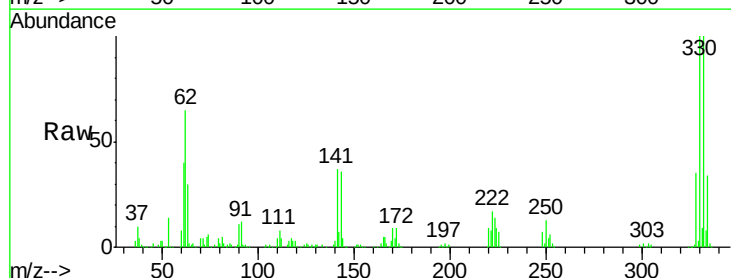
Tgt Ion:330 Resp: 372692

Ion Ratio Lower Upper

330 100

332 101.5 77.0 115.6

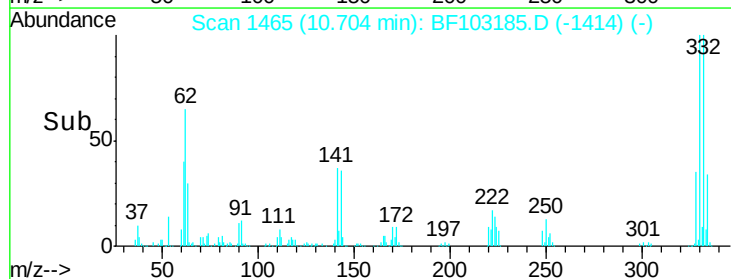
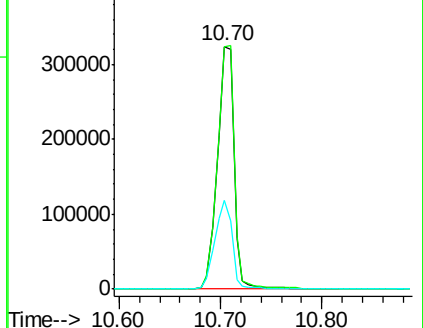
141 37.9 29.9 44.9

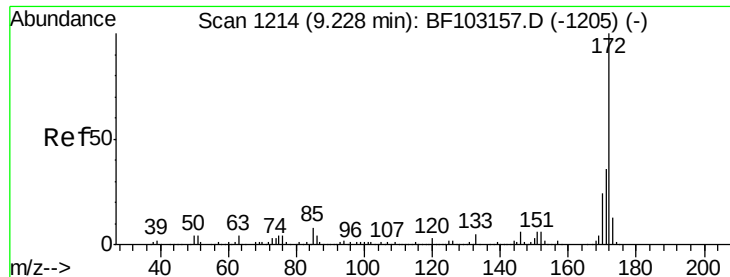


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

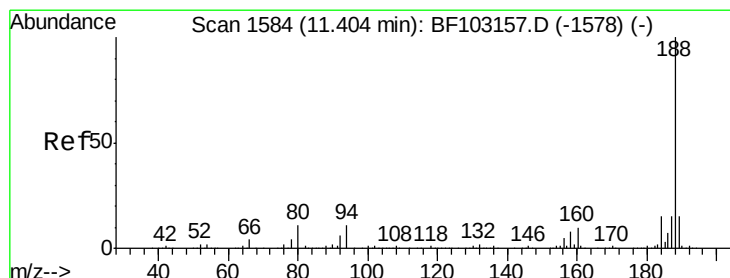
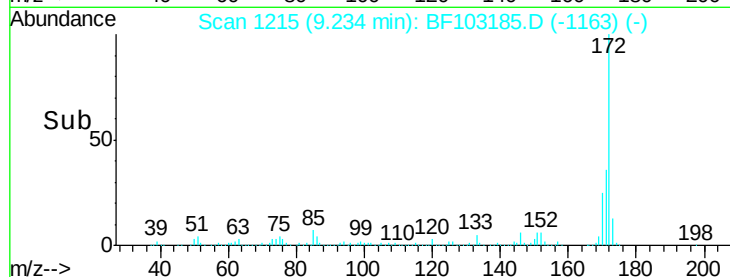
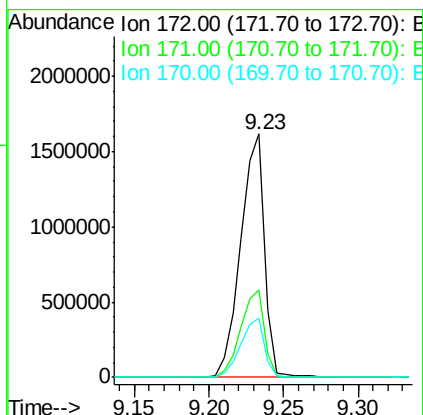
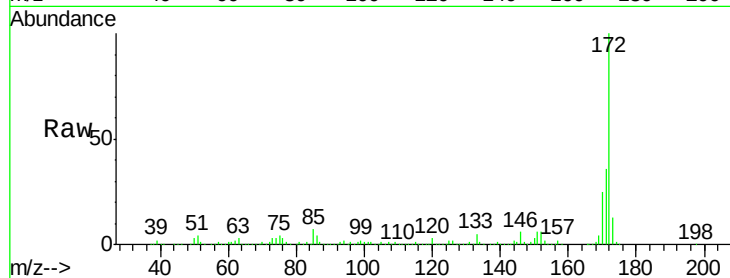




#44  
 2-Fluorobiphenyl  
 Concen: 83.209 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.01 min  
 Lab File: BF103185.D  
 Acq: 23 Feb 2018 8:53

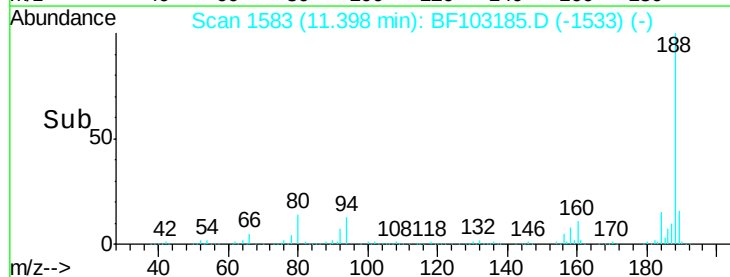
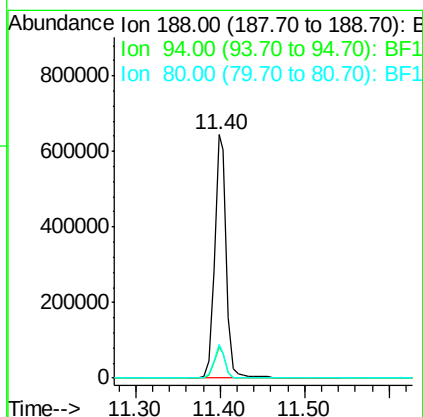
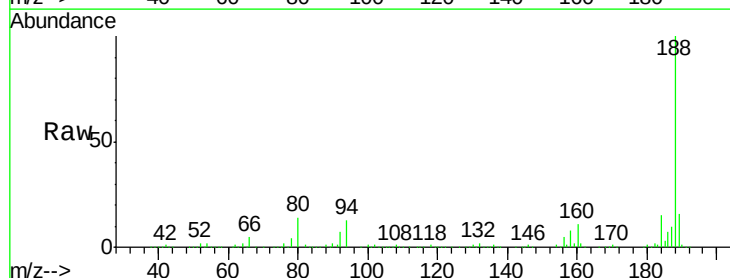
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1797761  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.7 44.5  
 170 24.6 19.6 29.4

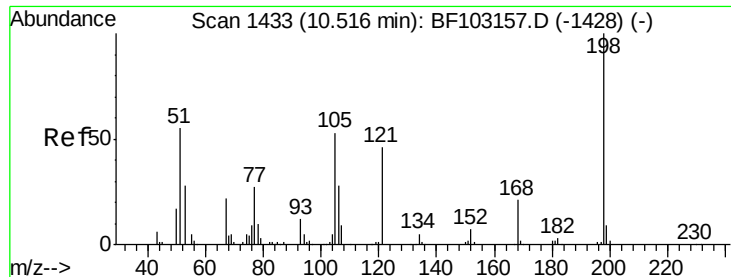


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF103185.D  
 Acq: 23 Feb 2018 8:53

Tgt Ion:188 Resp: 643445  
 Ion Ratio Lower Upper  
 188 100  
 94 12.5 8.5 12.7  
 80 13.7 9.2 13.8



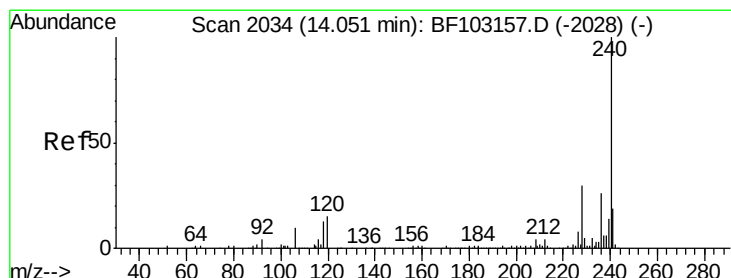
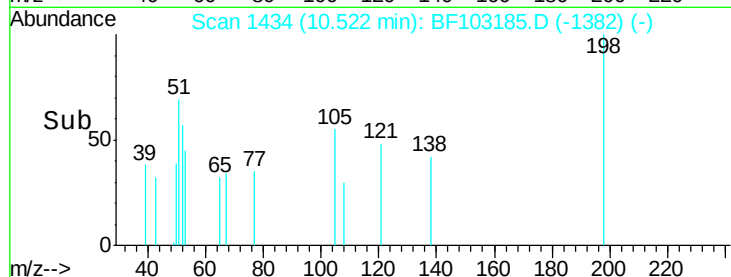
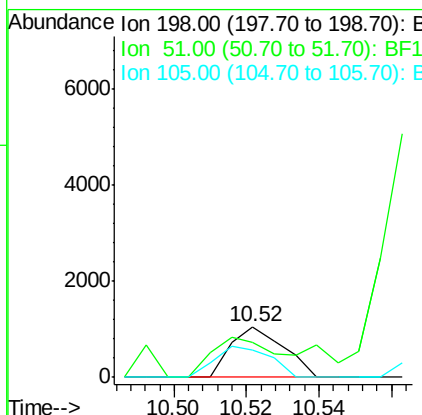
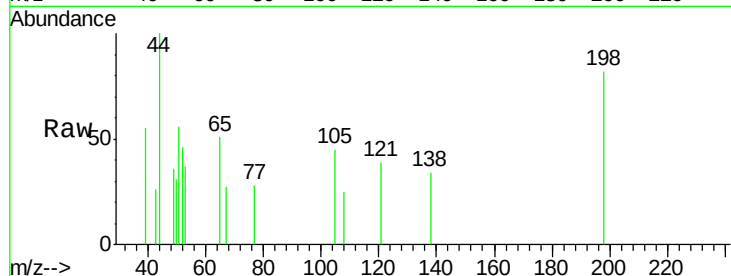




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.188 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: BF103185.D  
 Acq: 23 Feb 2018 8:53

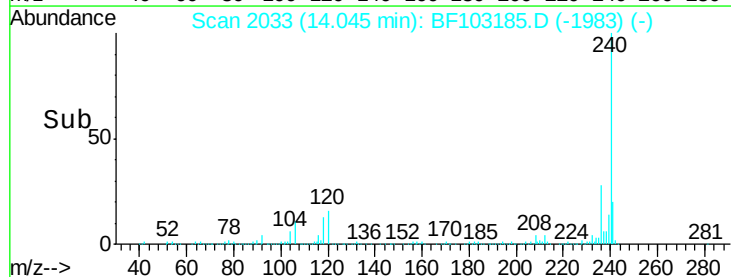
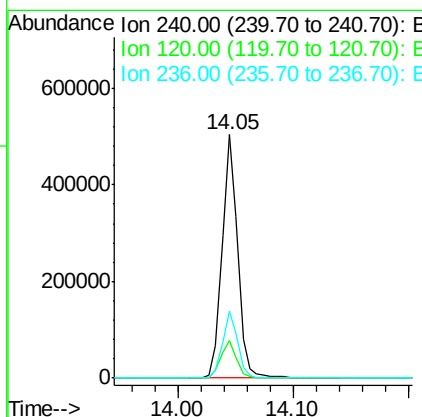
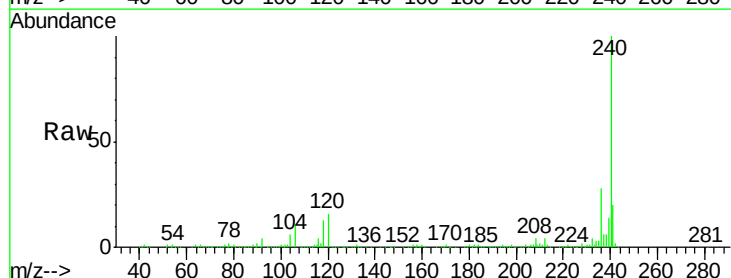
Instrument :  
 BNA\_F  
 ClientSampled :

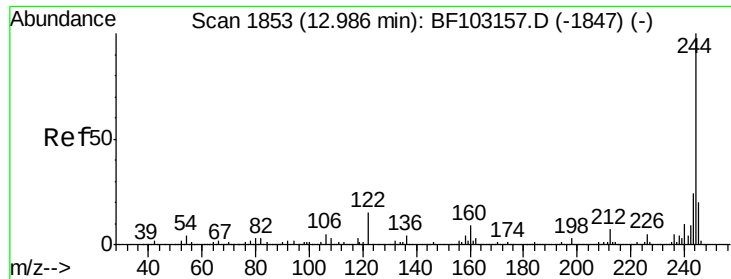
Tot Ion:198 Resp: 1060  
 Ion Ratio Lower Upper  
 198 100  
 51 68.7 37.7 77.7  
 105 54.9 36.3 76.3



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.05 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF103185.D  
 Acq: 23 Feb 2018 8:53

Tgt Ion:240 Resp: 473163  
 Ion Ratio Lower Upper  
 240 100  
 120 15.6 9.5 14.3#  
 236 27.6 20.7 31.1





#78

Terphenyl-d14

Concen: 74.610 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

Instrument :

BNA\_F

ClientSampleId :

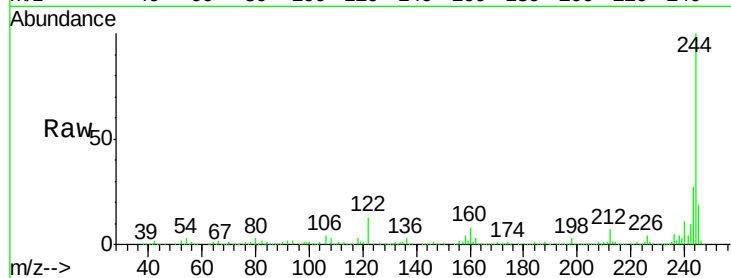
Tot Ion:244 Resp: 1468571

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

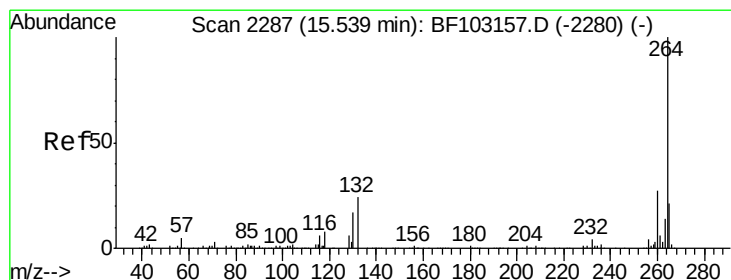
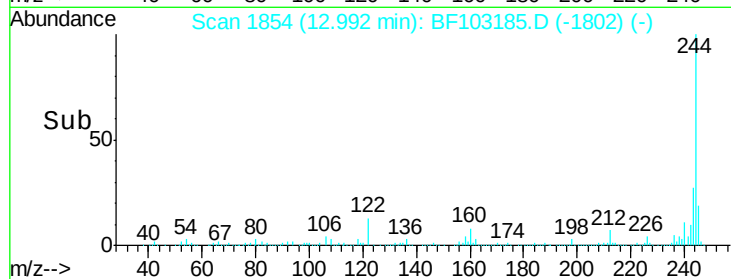
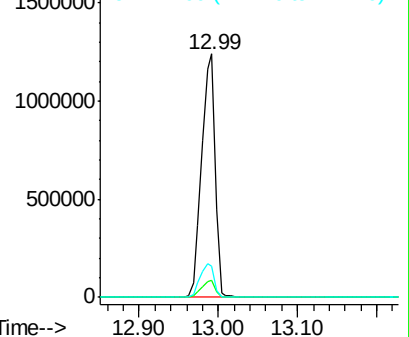
122 13.0 11.0 16.4



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: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF103185.D

Acq: 23 Feb 2018 8:53

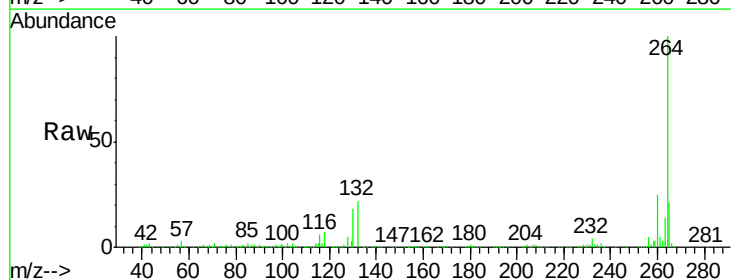
Tgt Ion:264 Resp: 464834

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.4 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

