

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\  
 Data File : BF102268.D  
 Acq On : 20 Jan 2018 16:20  
 Operator : SJ/JU  
 Sample : J1203-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 22 01:23:02 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 19 13:31:35 2018  
 Response via : Initial Calibration

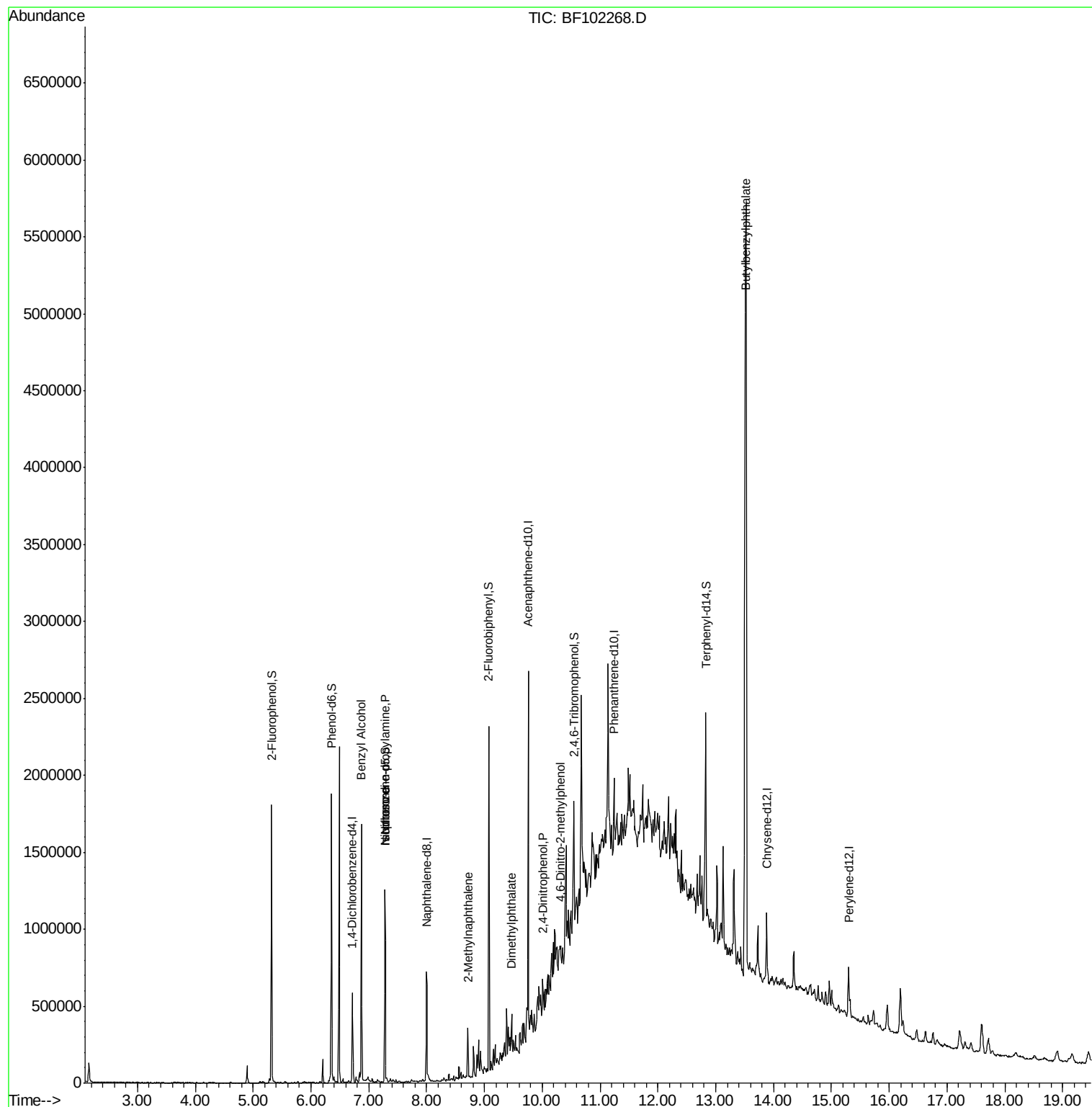
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 78549    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 323610   | 20.00   | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 117135   | 20.00   | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 169640   | 20.00   | ng    | 0.00     |
| 75) Chrysene-d12               | 13.88 | 240  | 150643   | 20.00   | ng    | 0.00     |
| 86) Perylene-d12               | 15.30 | 264  | 125807   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 521805   | 93.81   | ng    | -0.01    |
| 7) Phenol-d6                   | 6.36  | 99   | 617281   | 93.01   | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 362161   | 65.76   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 104605   | 102.33  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 679018   | 90.56   | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.83 | 244  | 440774   | 60.75   | ng    | 0.00     |
| Target Compounds               |       |      |          |         |       |          |
| 15) Benzyl Alcohol             | 6.87  | 79   | 10430    | 2.148   | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 49316    | 11.339  | ng    | # 79     |
| 25) Isophorone                 | 7.28  | 82   | 362157   | 33.283  | ng    | # 64     |
| 37) 2-Methylnaphthalene        | 8.72  | 142  | 89405    | 8.399   | ng    | 99       |
| 49) Dimethylphthalate          | 9.47  | 163  | 73214    | 7.792   | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 10.00 | 184  | 163      | 8.861   | ng    | # 63     |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 558      | 6.196   | ng    | # 1      |
| 79) Butylbenzylphthalate       | 13.53 | 149  | 768448   | 125.749 | ng    | # 49     |

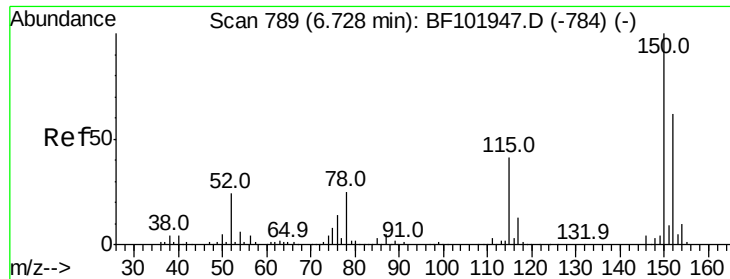
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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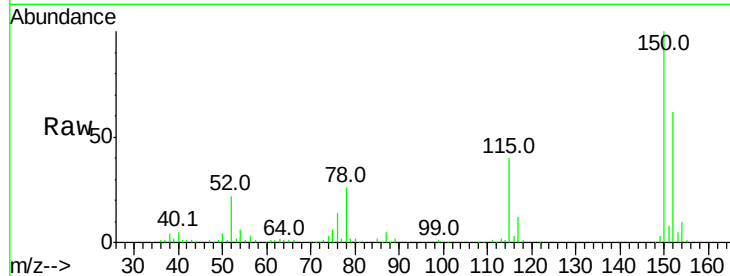


#1

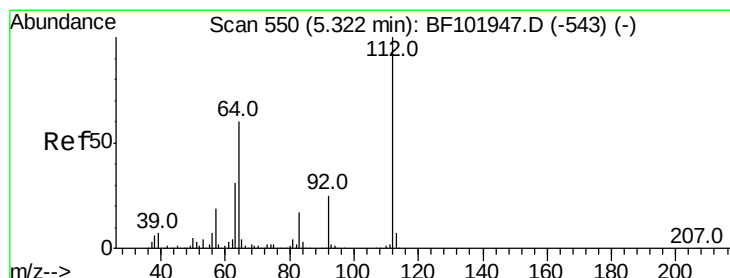
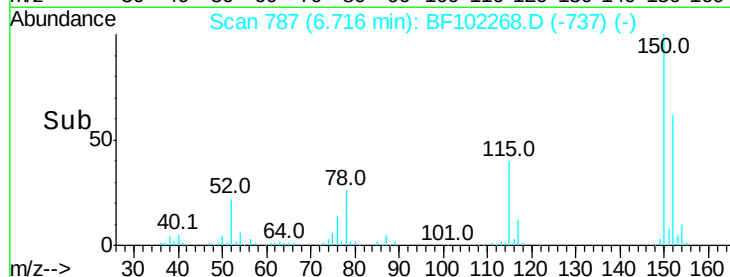
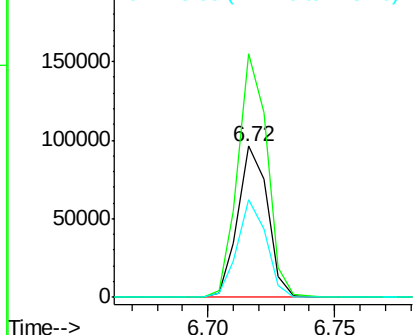
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.1 | 124.6 | 186.8 |
| 115     | 64.7  | 50.1  | 75.1  |



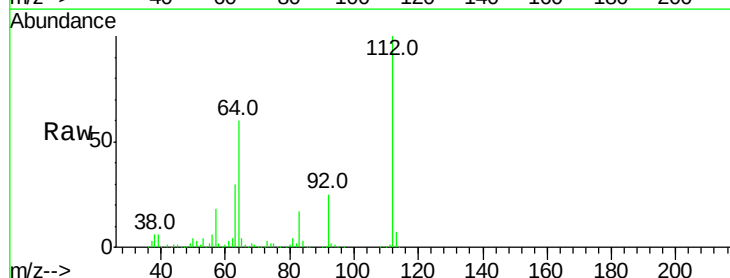
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



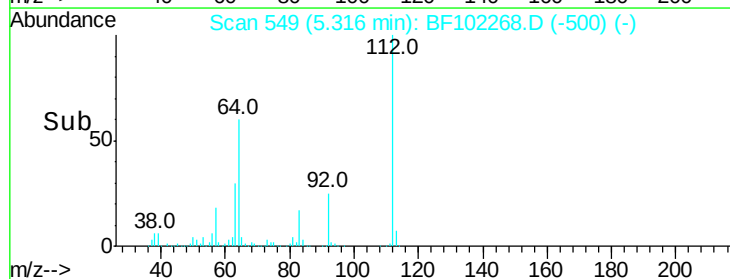
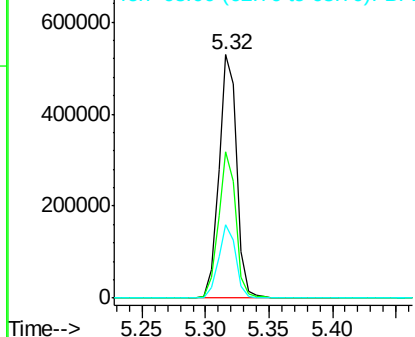
#5

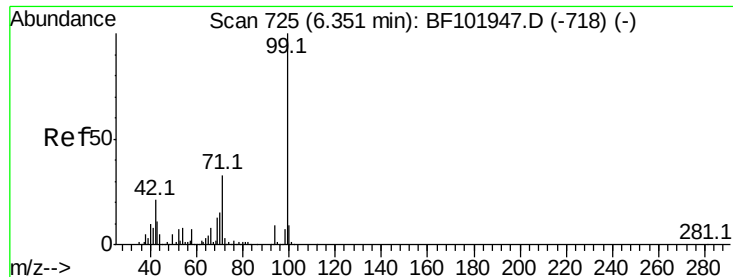
2-Fluorophenol  
Concen: 93.805 ng  
RT: 5.32 min Scan# 549  
Delta R.T. -0.01 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.9  | 47.9  | 71.9  |
| 63      | 30.4  | 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: 93.009 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampled :

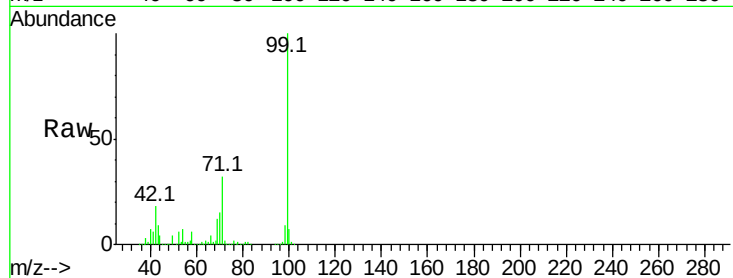
Tot Ion: 99 Resp: 617281

Ion Ratio Lower Upper

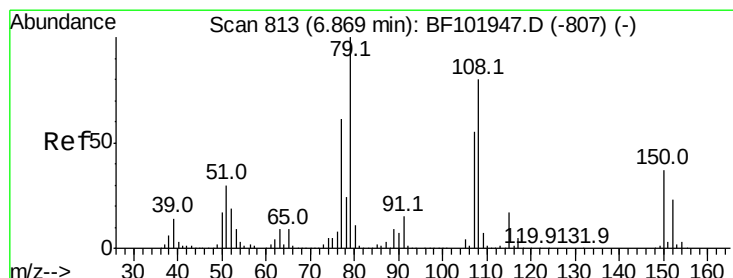
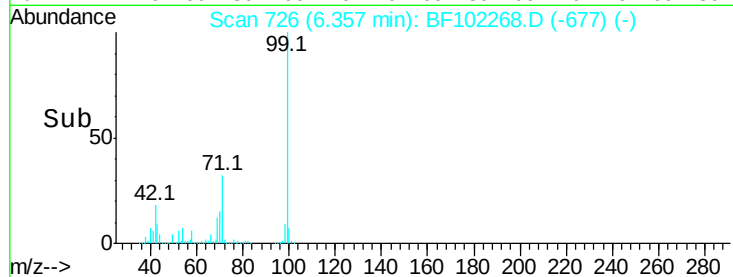
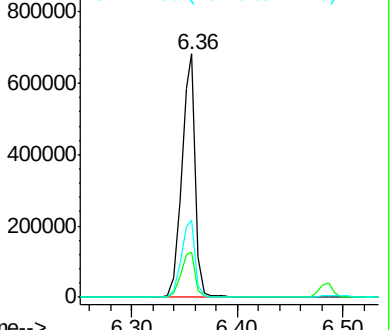
99 100

42 18.4 14.5 21.7

71 31.8 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: 2.148 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

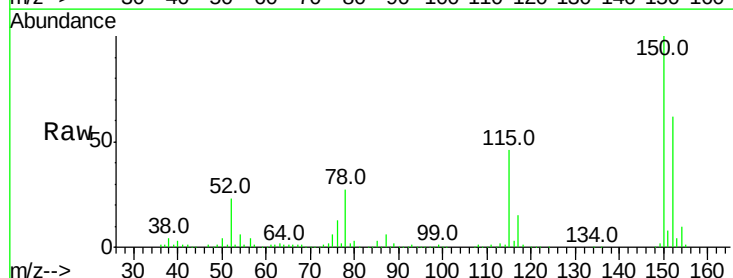
Tgt Ion: 79 Resp: 10430

Ion Ratio Lower Upper

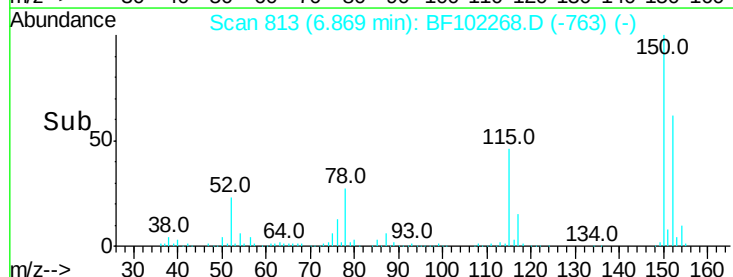
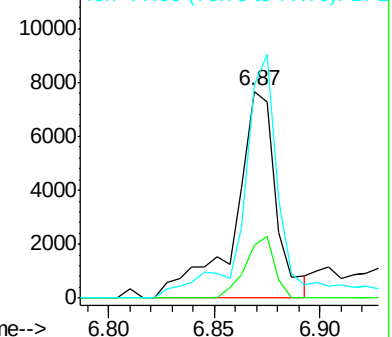
79 100

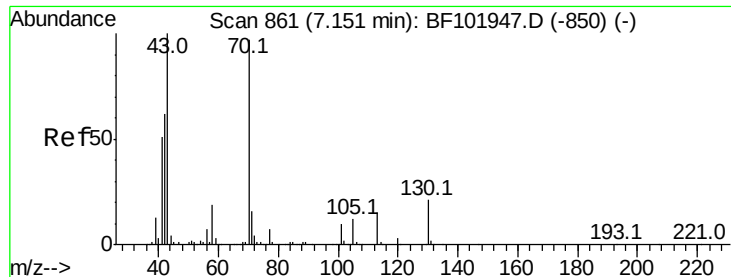
108 25.8 65.1 97.7#

77 103.2 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

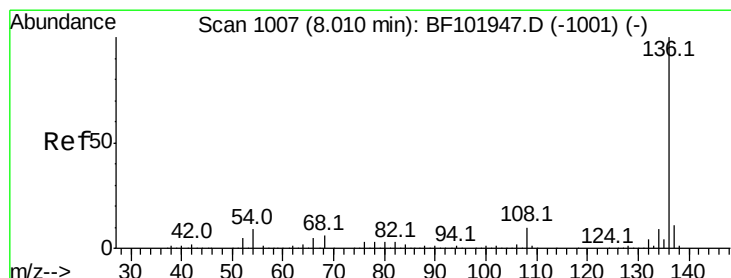
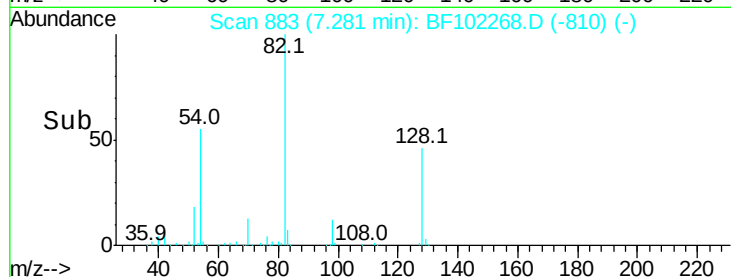
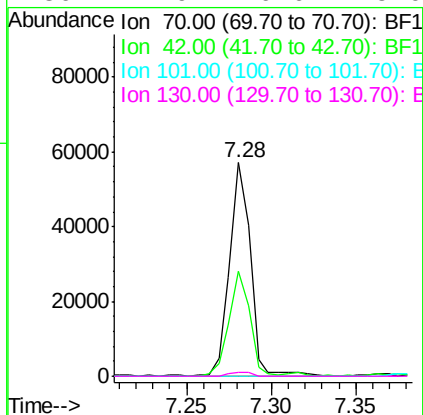
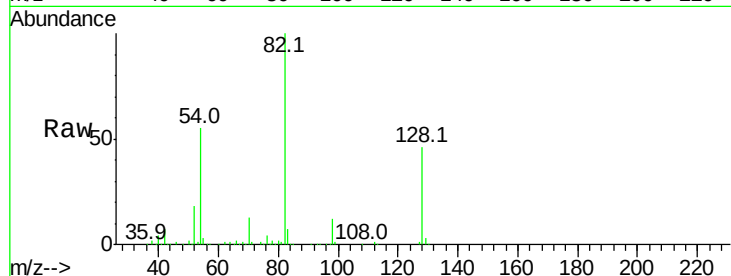




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.339 ng  
RT: 7.28 min Scan# 883  
Delta R.T. 0.13 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

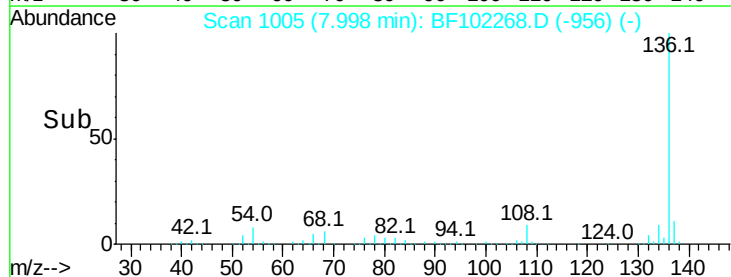
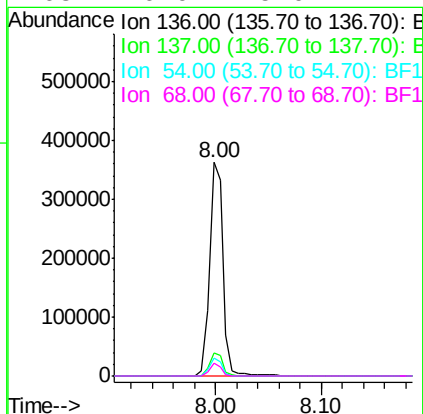
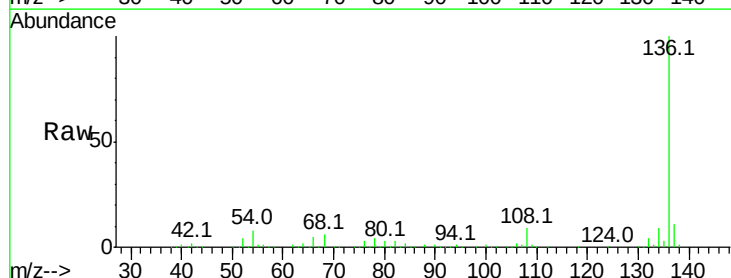
Instrument :  
BNA\_F  
ClientSampled :

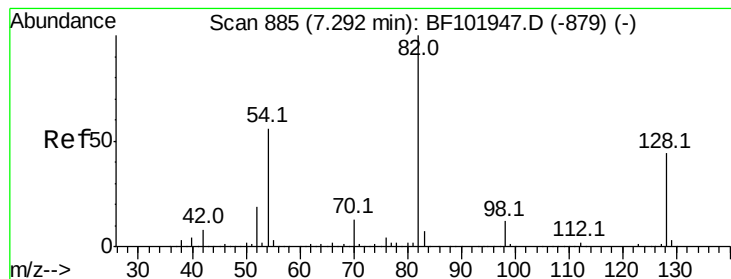
Tot Ion: 70 Resp: 49316  
Ion Ratio Lower Upper  
70 100  
42 49.3 47.5 71.3  
101 0.0 7.4 11.2#  
130 1.9 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

Tgt Ion:136 Resp: 323610  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 8.5 6.6 9.8  
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 65.765 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampleId :

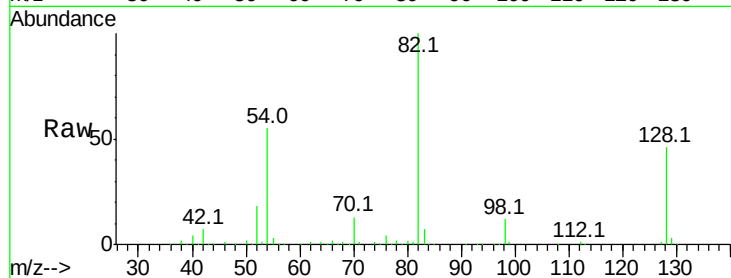
Tot Ion: 82 Resp: 362161

Ion Ratio Lower Upper

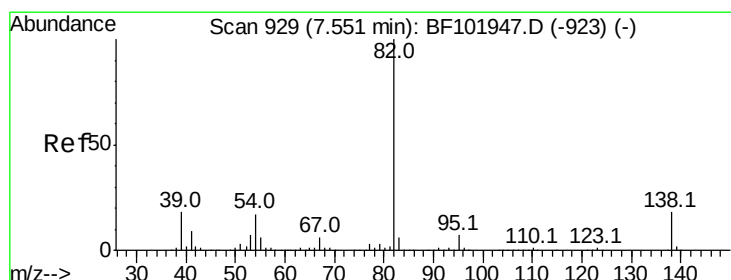
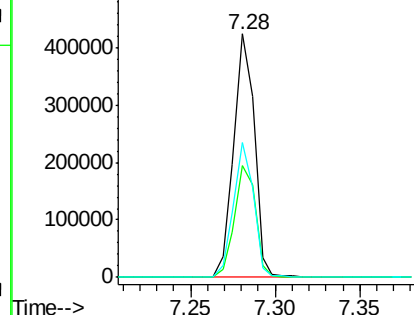
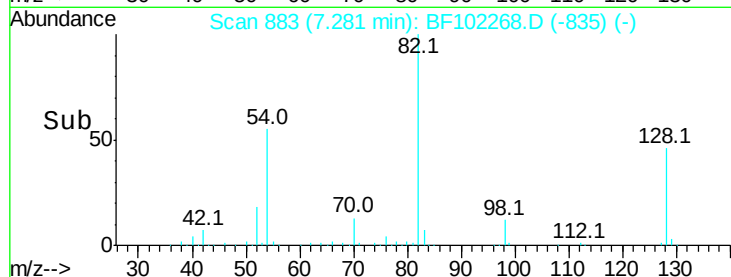
82 100

128 46.1 36.1 54.1

54 55.3 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: 33.283 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

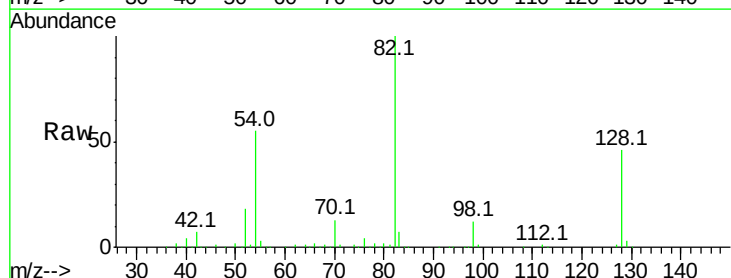
Tgt Ion: 82 Resp: 362157

Ion Ratio Lower Upper

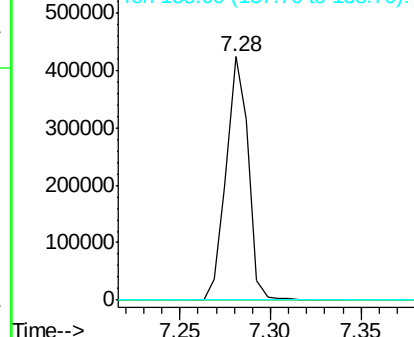
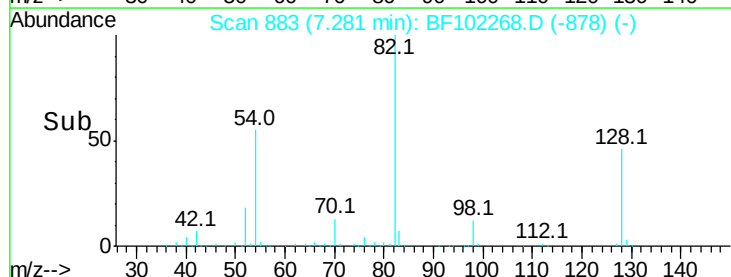
82 100

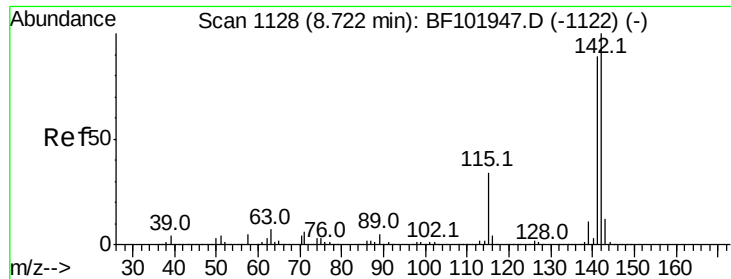
95 0.0 5.2 7.8#

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

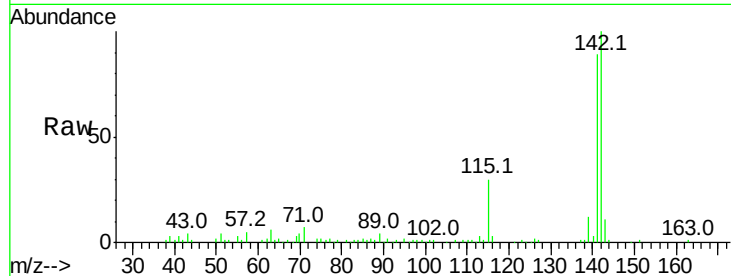




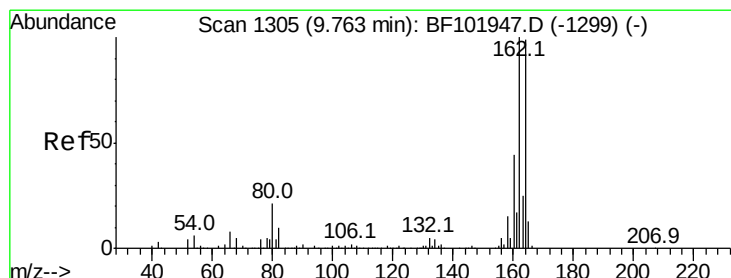
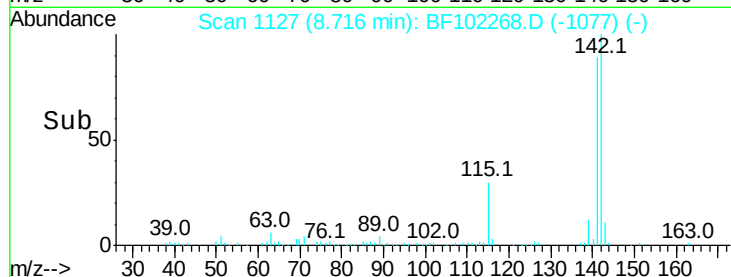
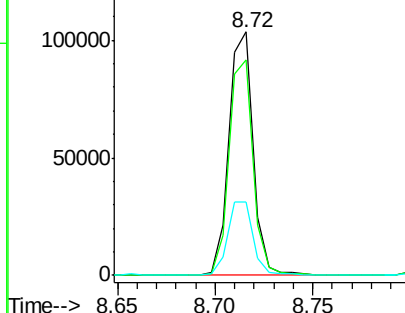
#37  
 2-Methylnaphthalene  
 Concen: 8.399 ng  
 RT: 8.72 min Scan# 1127  
 Delta R.T. -0.01 min  
 Lab File: BF102268.D  
 Acq: 20 Jan 2018 16:20

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.7  | 70.8  | 106.2 |
| 115     | 30.1  | 26.1  | 39.1  |

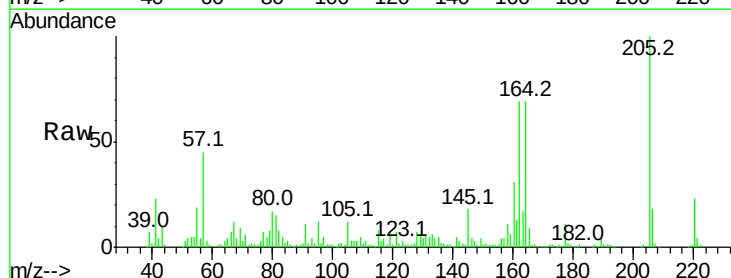


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

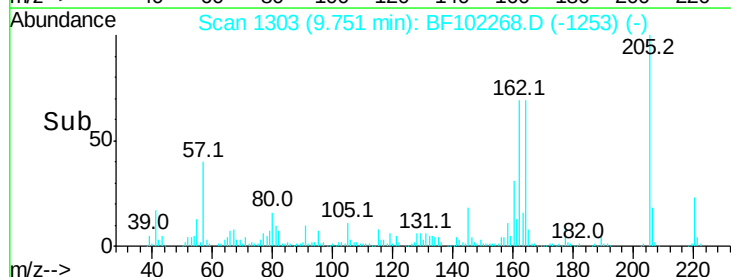
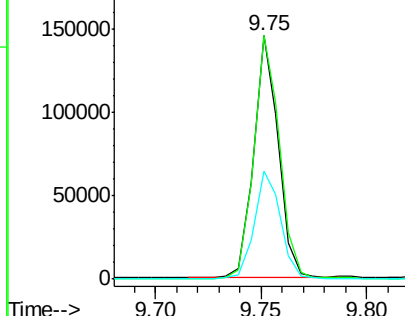


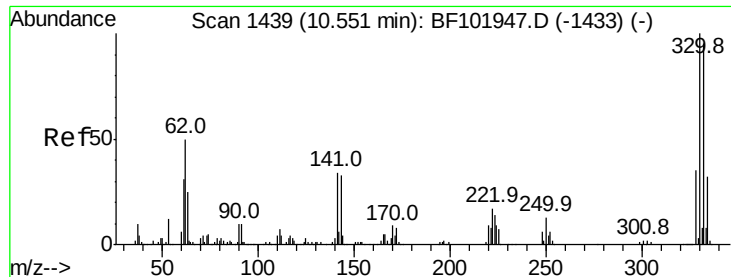
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF102268.D  
 Acq: 20 Jan 2018 16:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.1 | 86.1  | 129.1 |
| 160     | 44.3  | 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: 102.331 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampleId :

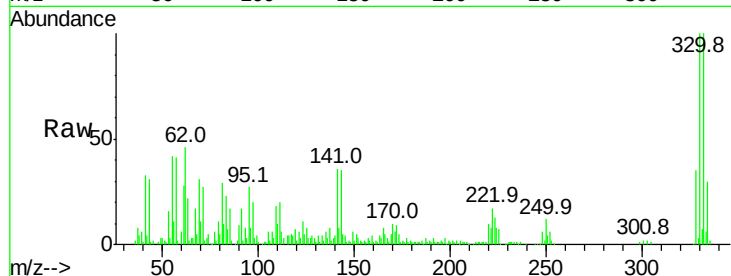
Tot Ion:330 Resp: 104605

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

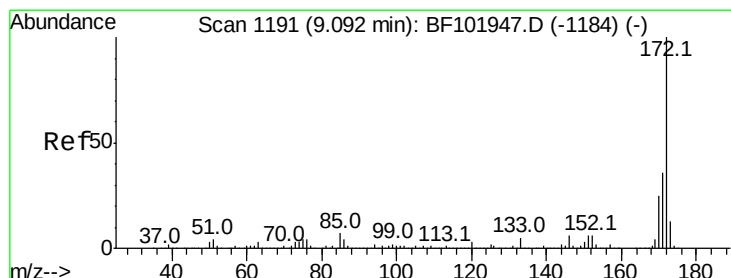
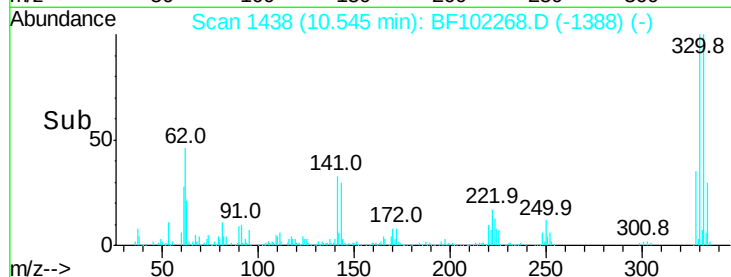
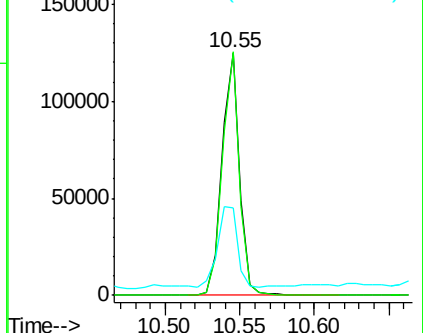
141 37.0 29.9 44.9



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: 90.563 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

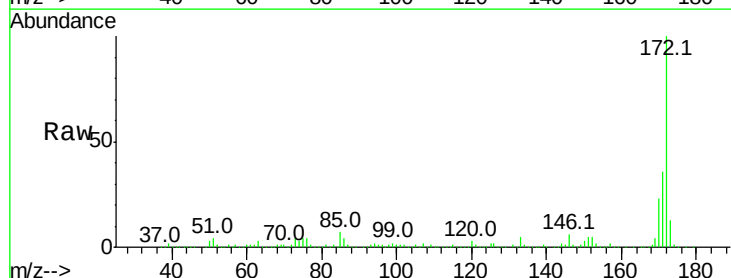
Tgt Ion:172 Resp: 679018

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

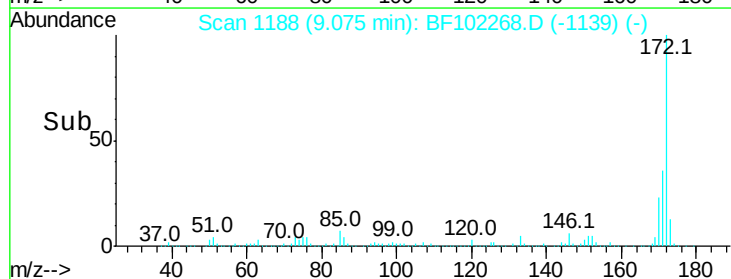
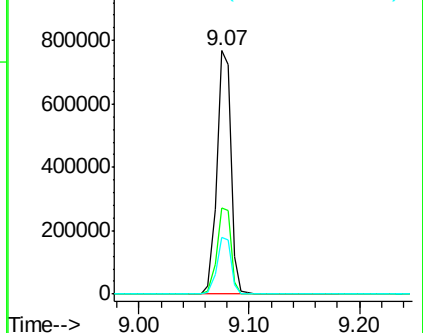
170 23.2 19.6 29.4



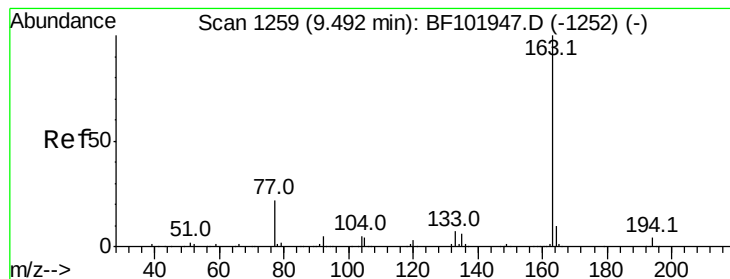
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E







#49

Dimethylphthalate

Concen: 7.792 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampled :

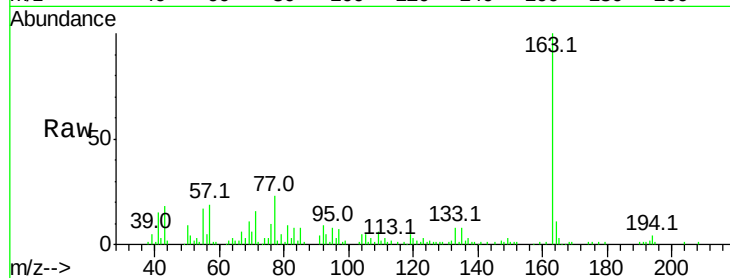
Tot Ion:163 Resp: 73214

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

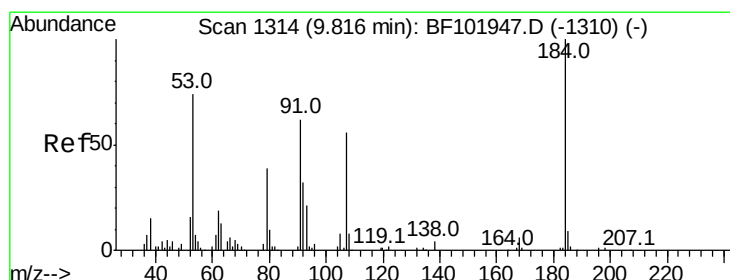
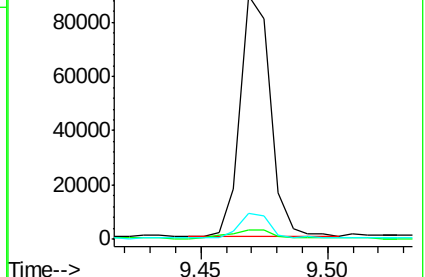
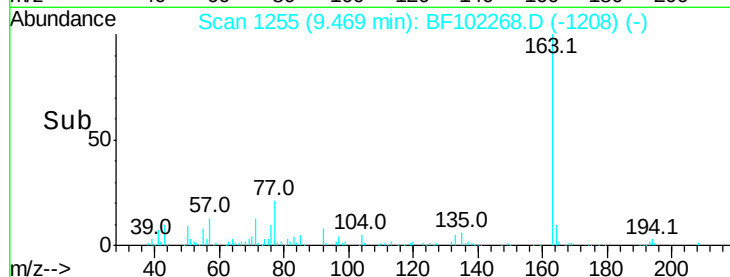
164 10.6 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.861 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.18 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

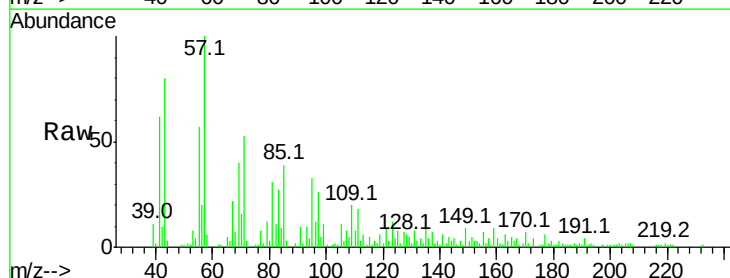
Tgt Ion:184 Resp: 163

Ion Ratio Lower Upper

184 100

63 144.5 54.2 81.2#

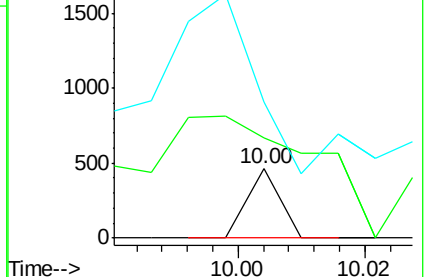
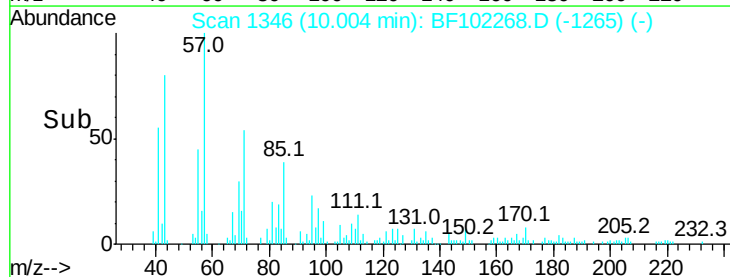
154 197.2 184.0 276.0

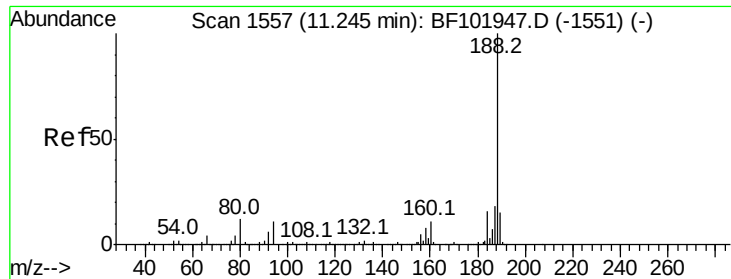


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampleId :

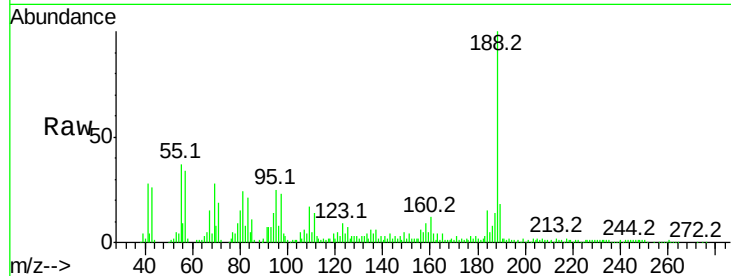
Tot Ion:188 Resp: 169640

Ion Ratio Lower Upper

188 100

94 14.0 8.5 12.7#

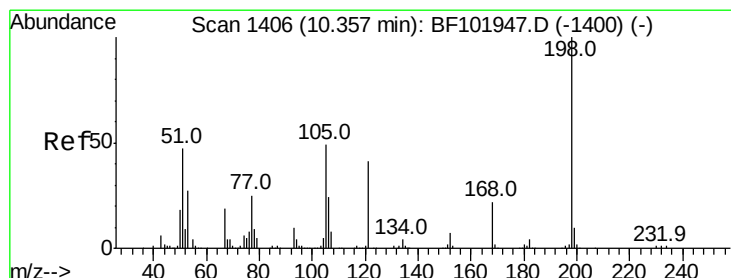
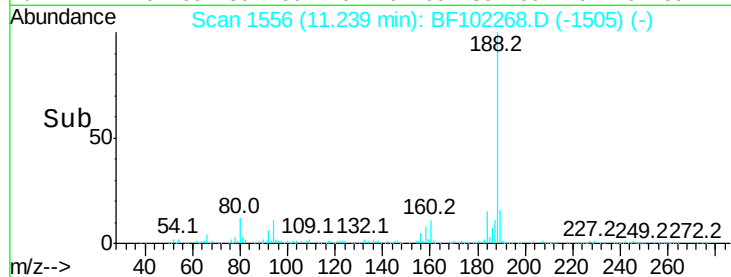
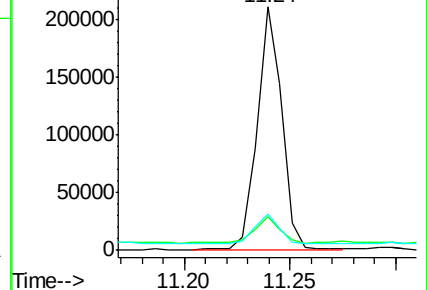
80 14.7 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.196 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.04 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

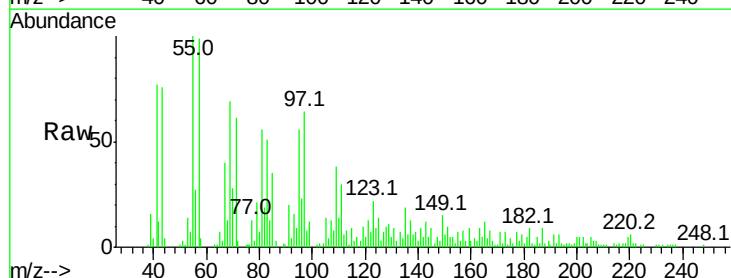
Tgt Ion:198 Resp: 558

Ion Ratio Lower Upper

198 100

51 310.9 37.7 77.7#

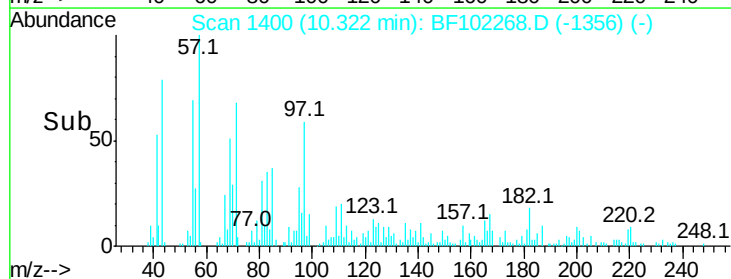
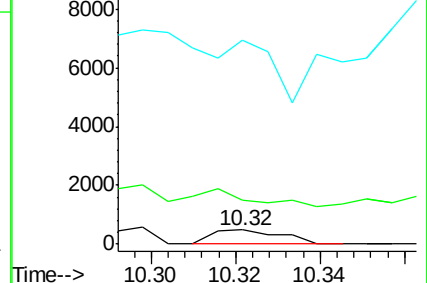
105 1426.5 36.3 76.3#

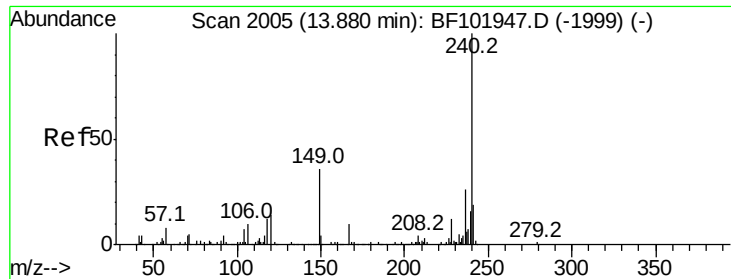


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

Instrument :

BNA\_F

ClientSampleId :

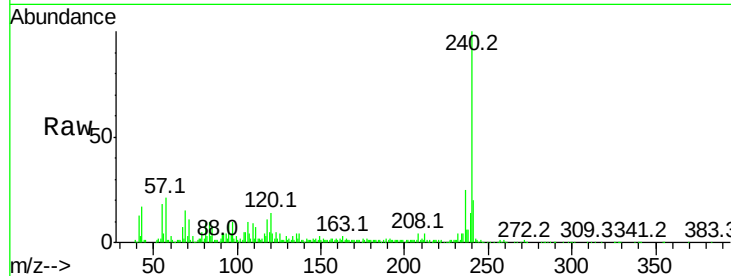
Tot Ion:240 Resp: 150643

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

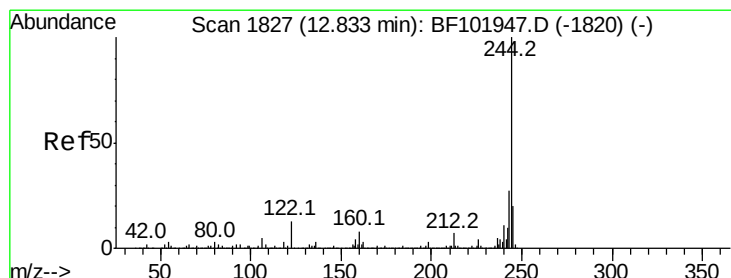
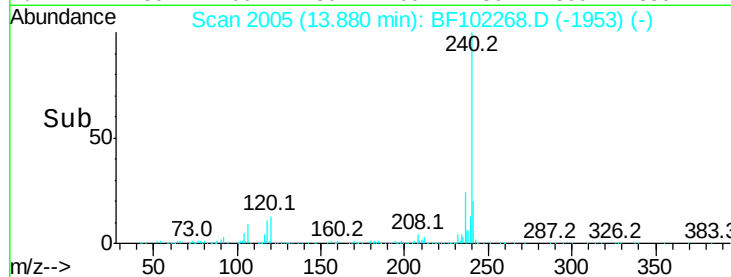
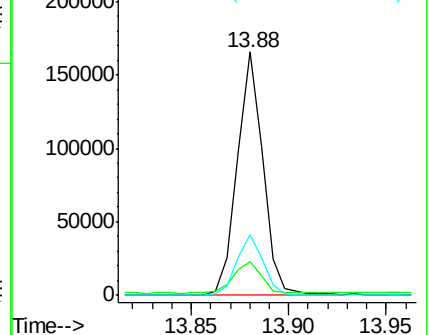
236 24.6 20.7 31.1



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: 60.750 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102268.D

Acq: 20 Jan 2018 16:20

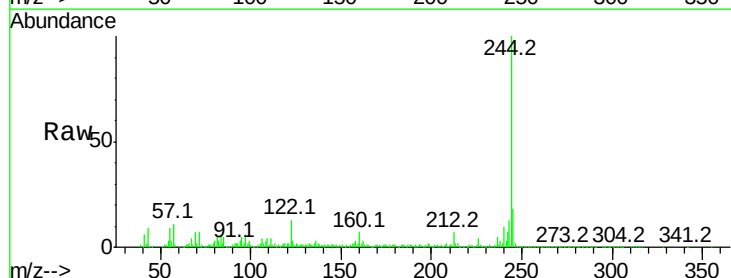
Tgt Ion:244 Resp: 440774

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

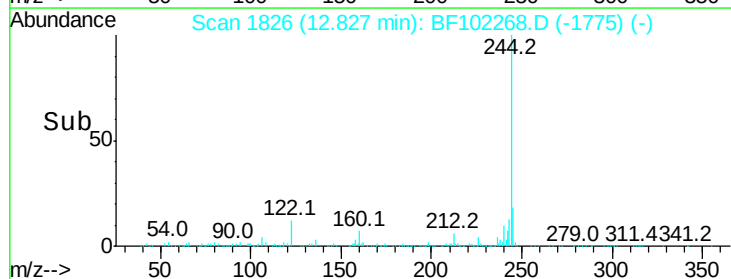
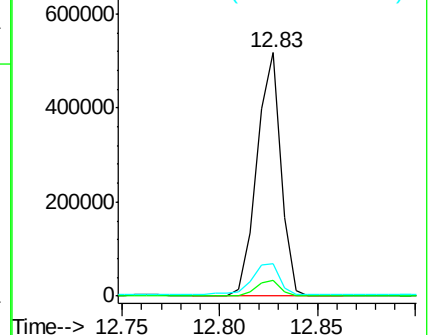
122 13.2 11.0 16.4

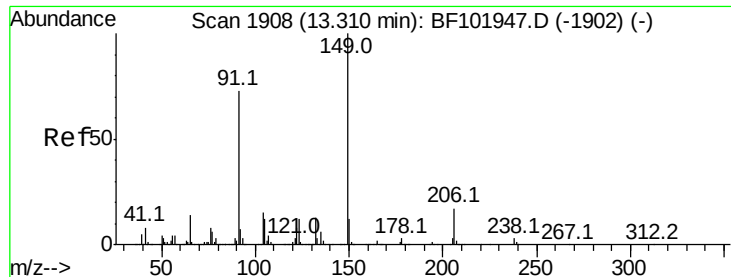


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

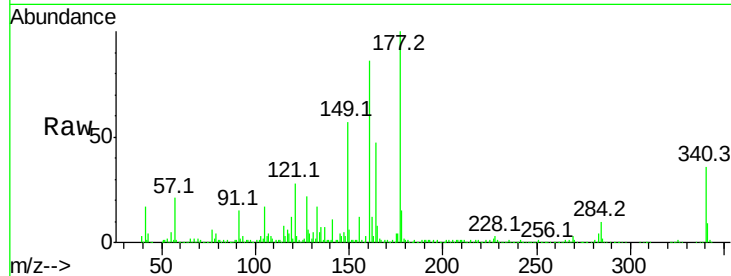




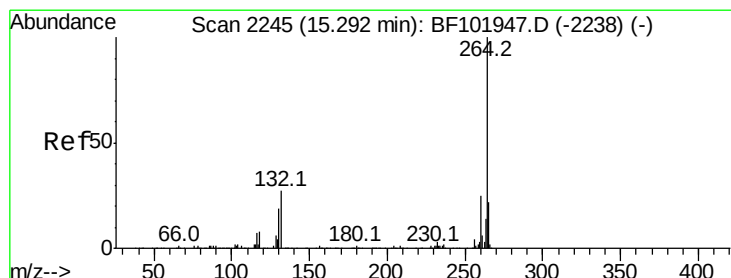
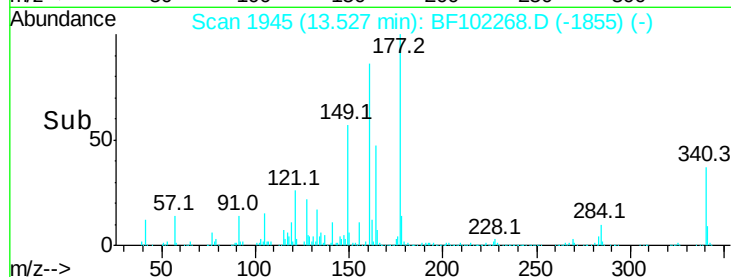
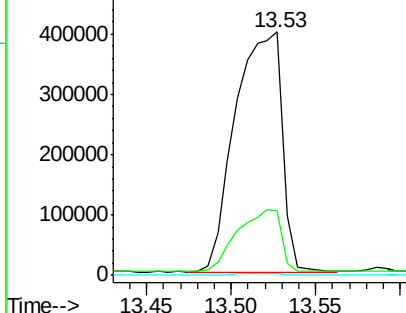
#79  
Butylbenzylphthalate  
Concen: 125.749 ng  
RT: 13.53 min Scan# 1945  
Delta R.T. 0.23 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:149 Resp: 768448  
Ion Ratio Lower Upper  
149 100  
91 26.5 56.8 85.2#  
206 0.9 14.1 21.1#

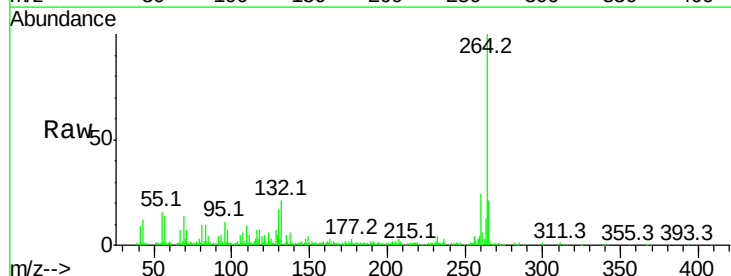


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BF1  
Ion 206.00 (205.70 to 206.70): E



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.30 min Scan# 2246  
Delta R.T. 0.01 min  
Lab File: BF102268.D  
Acq: 20 Jan 2018 16:20

Tgt Ion:264 Resp: 125807  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.2 28.8  
265 20.5 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

