

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\  
 Data File : BF101302.D  
 Acq On : 11 Dec 2017 20:56  
 Operator : SJ/JU  
 Sample : I6792-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 11 23:46:32 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

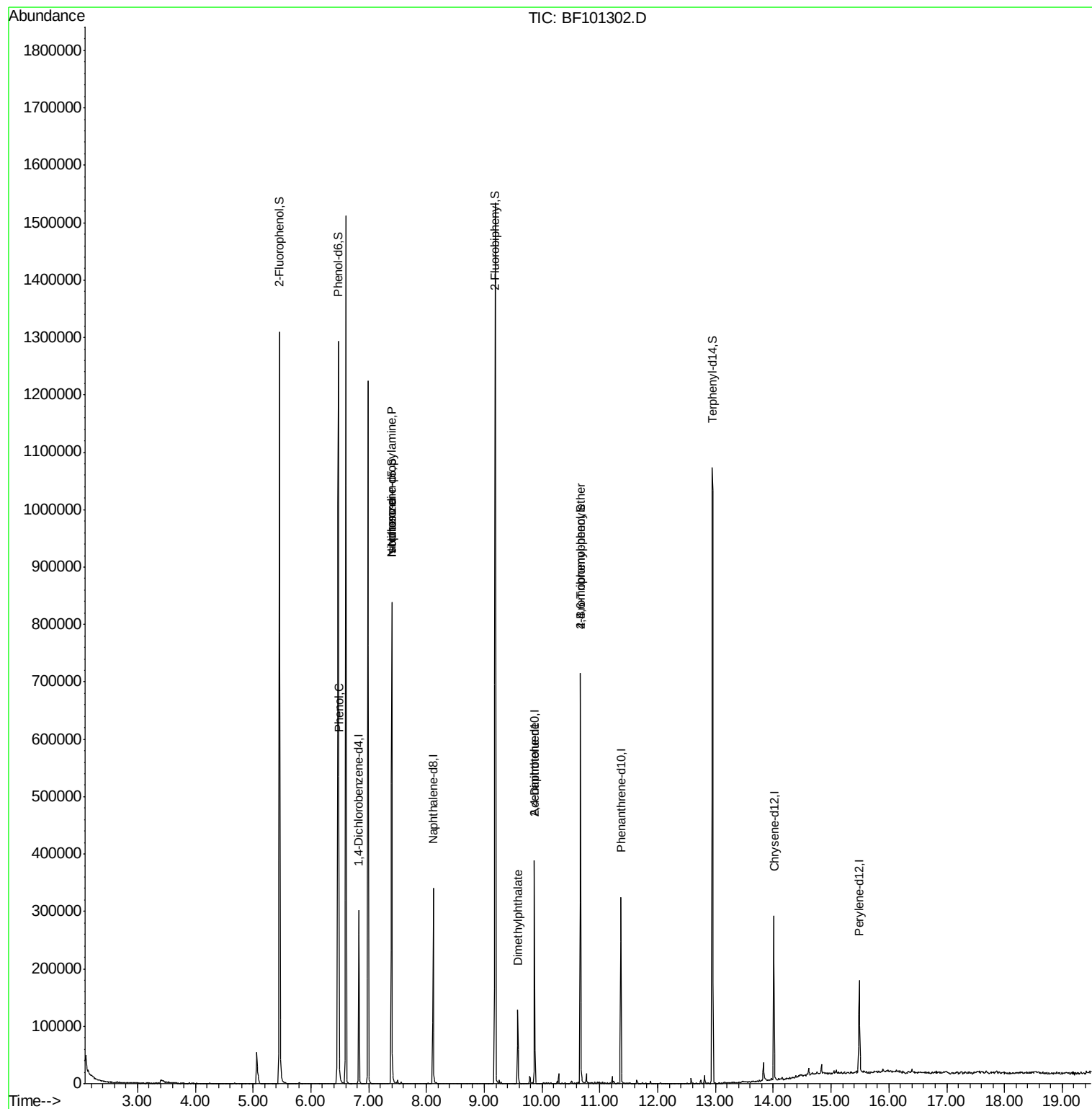
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 46450    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 172920   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.87  | 164  | 72475    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.36 | 188  | 117372   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.01 | 240  | 98270    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 83417    | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 381897   | 135.86 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 467271   | 136.92 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 283891   | 97.94  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 95181    | 109.32 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 530265   | 100.10 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.95 | 244  | 386817   | 86.10  | ng    | 0.01     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.49  | 94   | 14654    | 3.862  | ng    | 96       |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 36702    | 15.968 | ng    | # 83     |
| 25) Isophorone                 | 7.40  | 82   | 283889   | 57.335 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.58  | 163  | 48869    | 8.361  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 9.87  | 165  | 9322     | 5.650  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 6031     | 4.591  | ng    | # 1      |

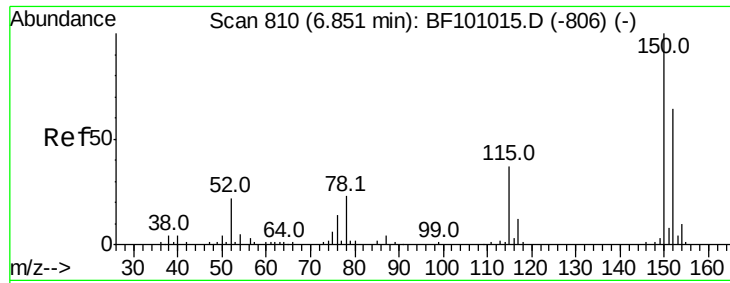
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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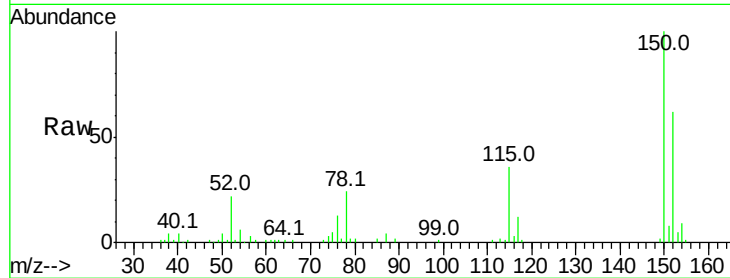


#1

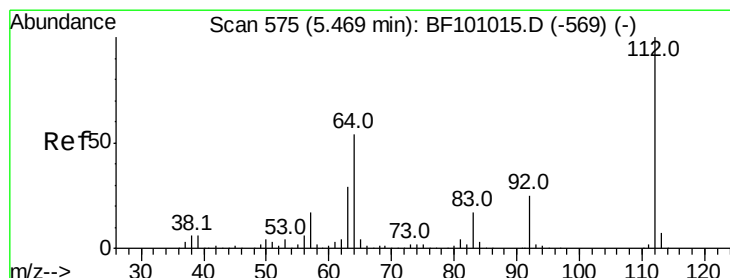
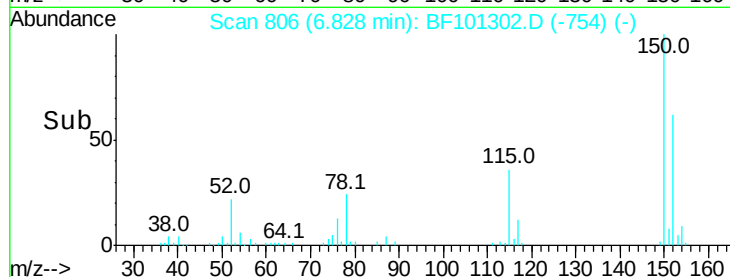
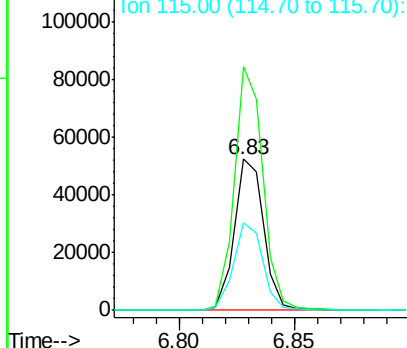
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. 0.01 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 46450  
 Ion Ratio Lower Upper  
 152 100  
 150 161.4 124.6 186.8  
 115 58.0 50.1 75.1



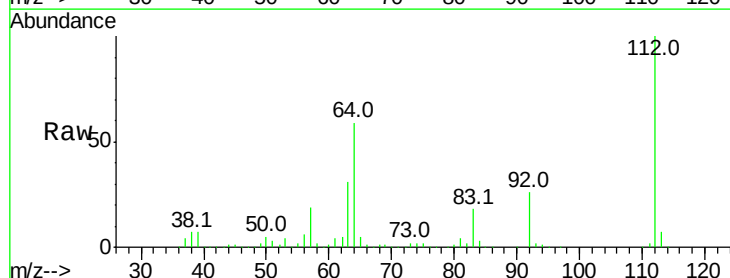
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



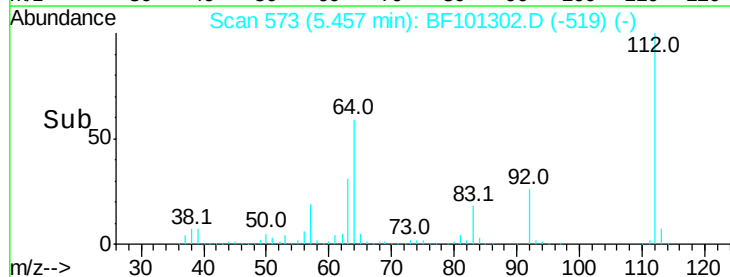
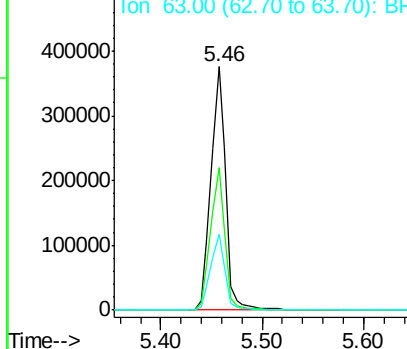
#5

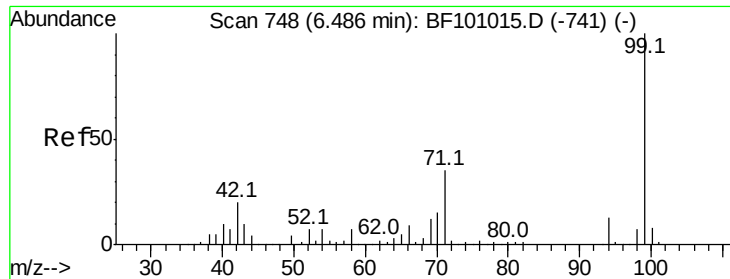
2-Fluorophenol  
 Concen: 135.859 ng  
 RT: 5.46 min Scan# 573  
 Delta R.T. 0.02 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Tgt Ion:112 Resp: 381897  
 Ion Ratio Lower Upper  
 112 100  
 64 58.8 47.9 71.9  
 63 31.2 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: 136.917 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101302.D

Acq: 11 Dec 2017 20:56

Instrument :

BNA\_F

ClientSampled :

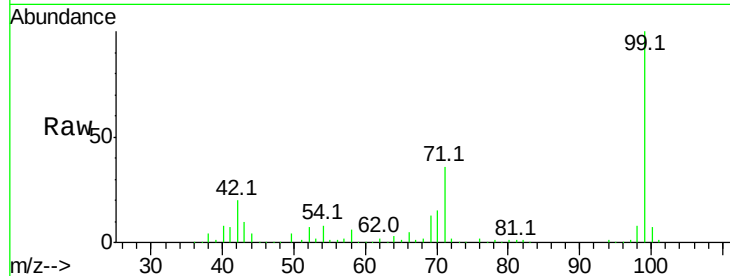
Tot Ion: 99 Resp: 467271

Ion Ratio Lower Upper

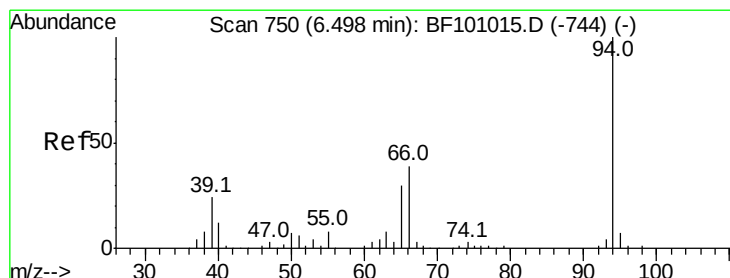
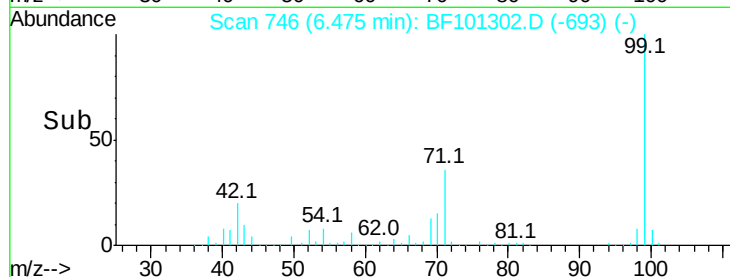
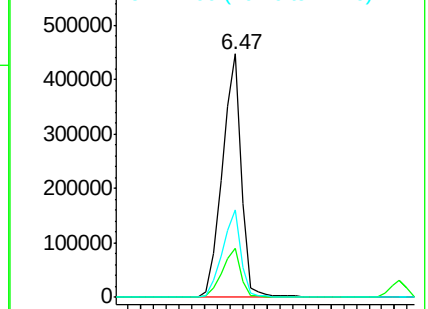
99 100

42 20.1 14.5 21.7

71 36.0 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



#10

Phenol

Concen: 3.862 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101302.D

Acq: 11 Dec 2017 20:56

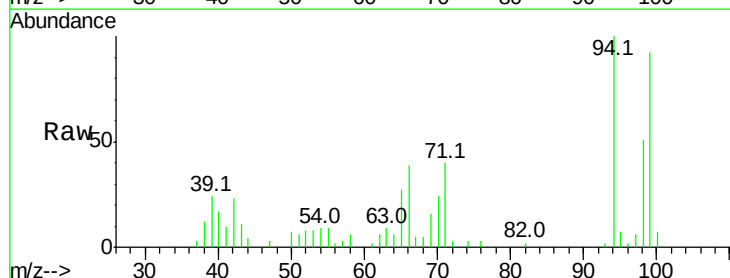
Tgt Ion: 94 Resp: 14654

Ion Ratio Lower Upper

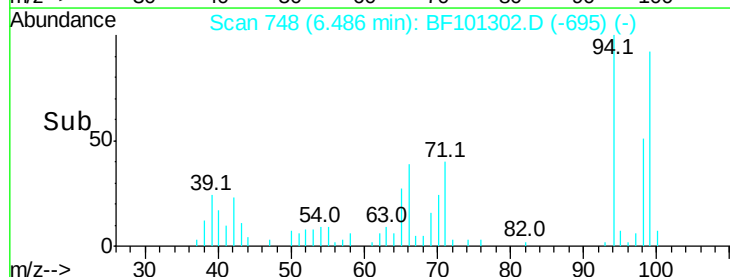
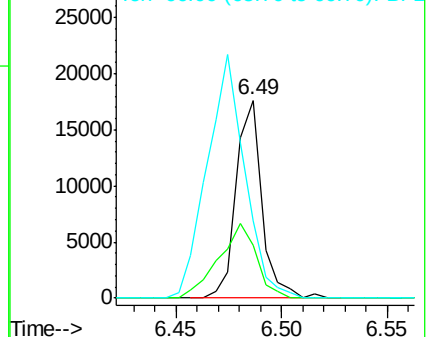
94 100

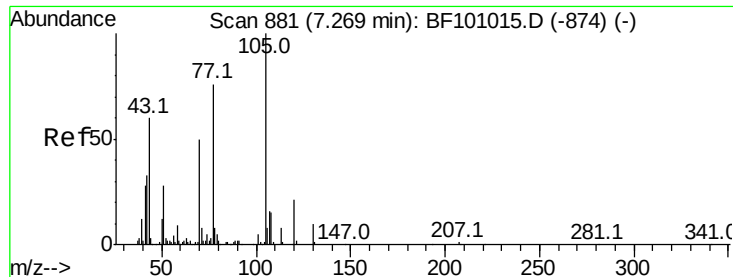
65 26.8 7.9 47.9

66 39.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

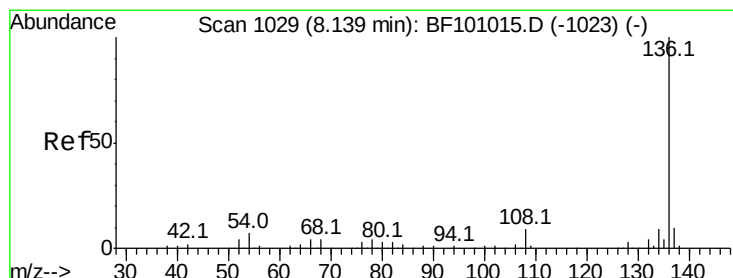
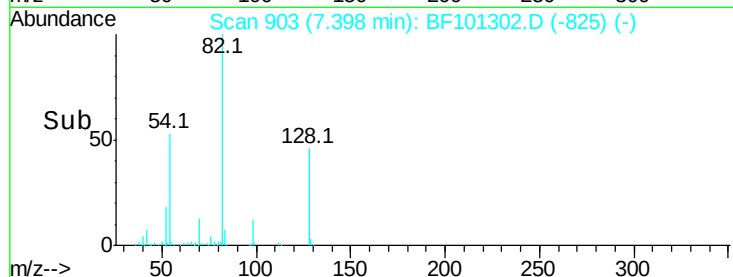
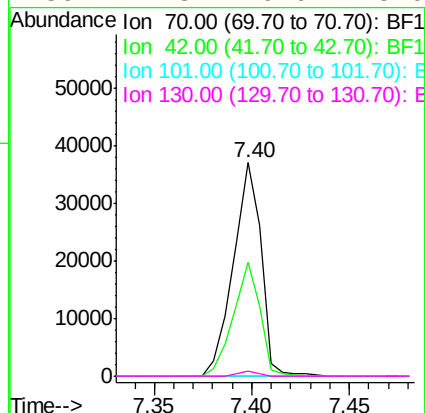
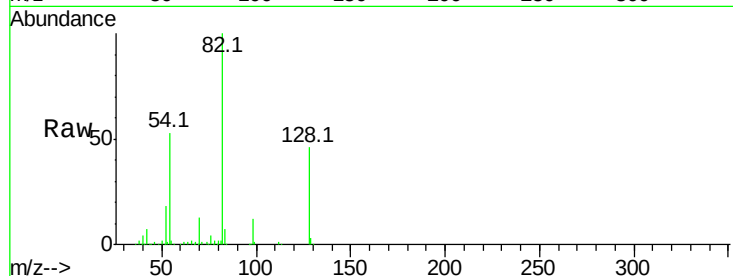




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.968 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.16 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

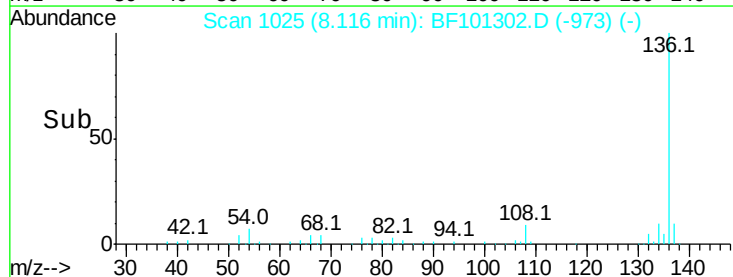
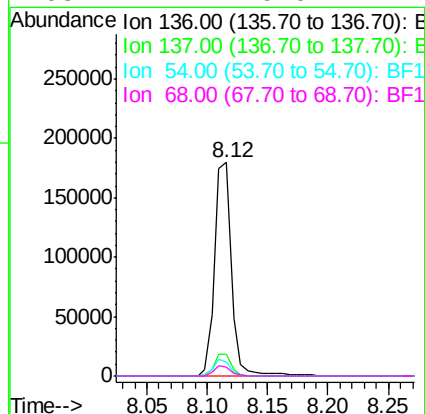
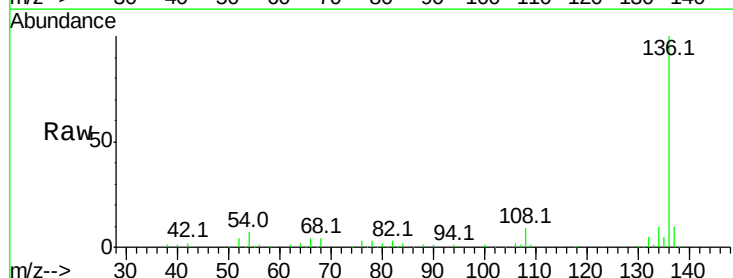
Instrument :  
BNA\_F  
ClientSampleId :

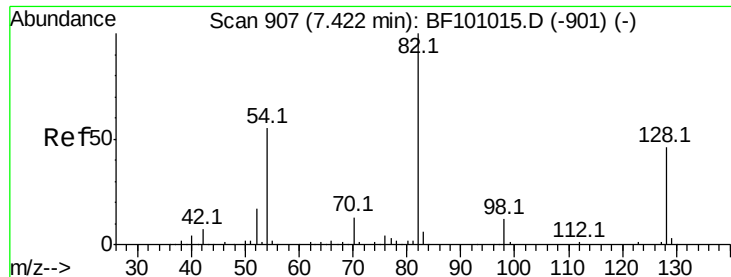
Tot Ion: 70 Resp: 36702  
Ion Ratio Lower Upper  
70 100  
42 53.1 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.3 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. 0.01 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

Tgt Ion:136 Resp: 172920  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.9 13.3  
54 6.8 6.6 9.8  
68 4.2 5.0 7.4#

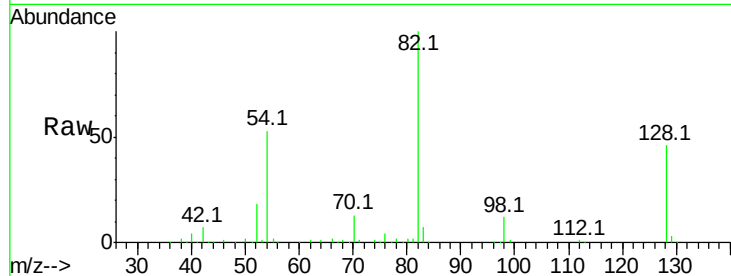




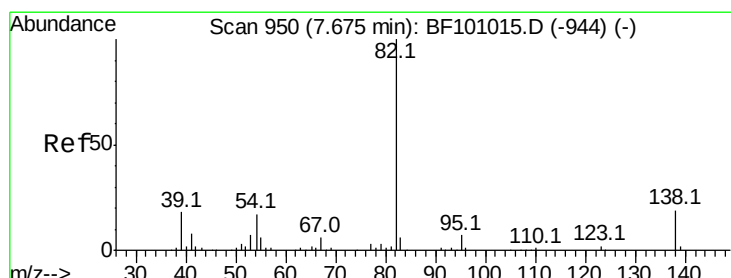
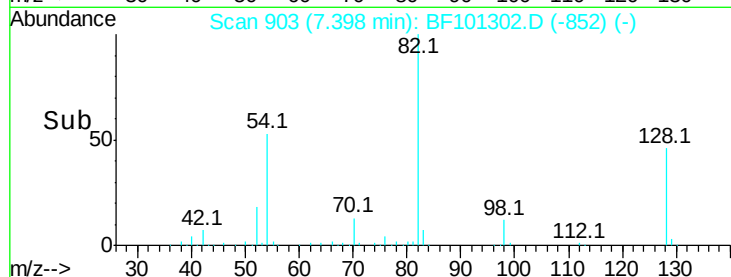
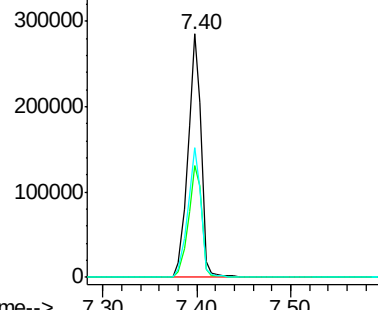
#23  
 Nitrobenzene-d5  
 Concen: 97.935 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.00 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 82   | Resp | 283891 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     |      |      |        |
| Upper     |      |      |        |
| 82        | 100  |      |        |
| 128       | 45.8 | 36.1 | 54.1   |
| 54        | 53.3 | 41.4 | 62.2   |

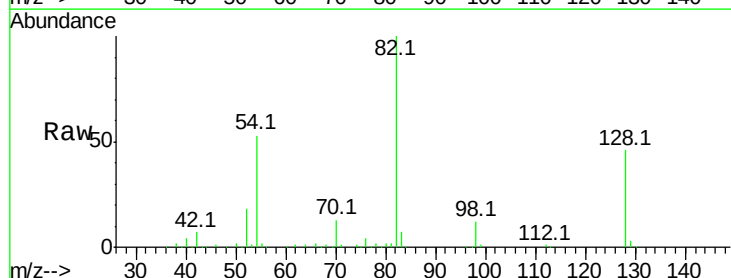


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

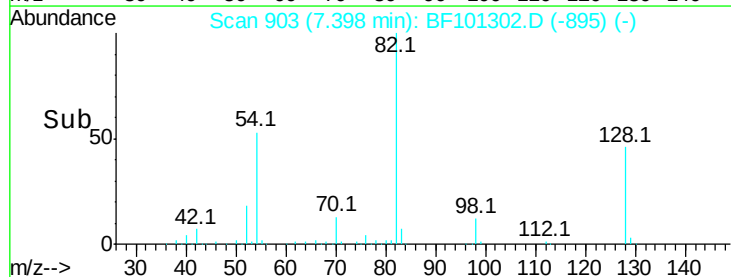
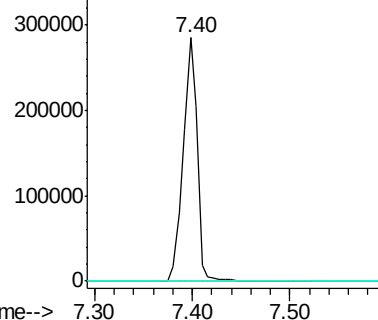


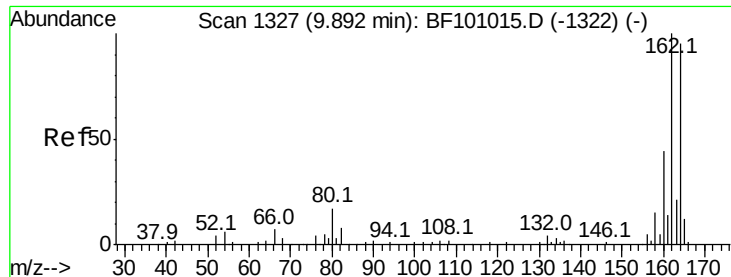
#25  
 Isophorone  
 Concen: 57.335 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.25 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

| Tgt Ion   | 82  | Resp | 283889 |
|-----------|-----|------|--------|
| Ion Ratio | 100 |      |        |
| 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

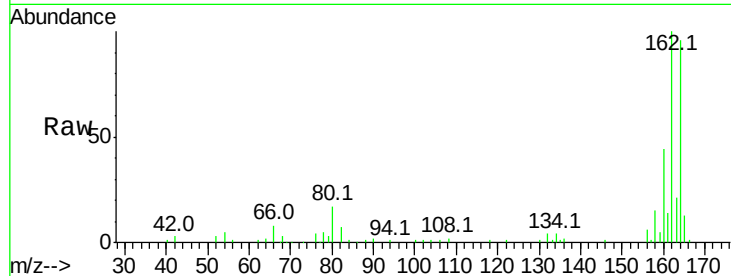




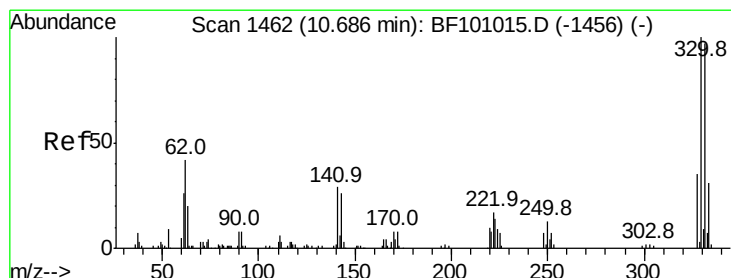
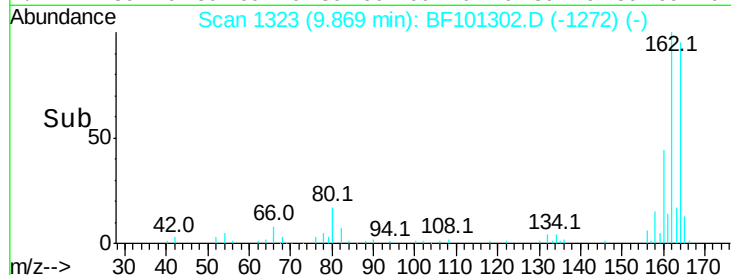
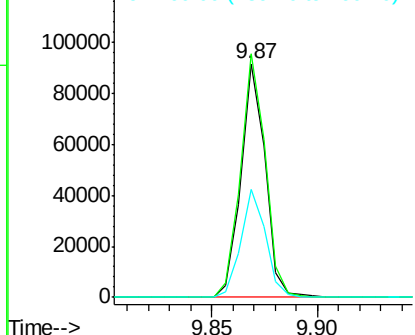
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 72475  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 86.1 129.1  
 160 46.2 38.3 57.5

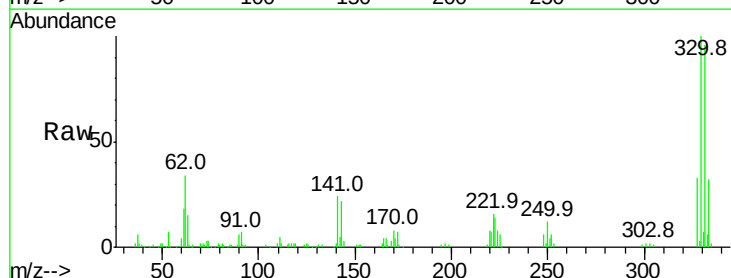


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

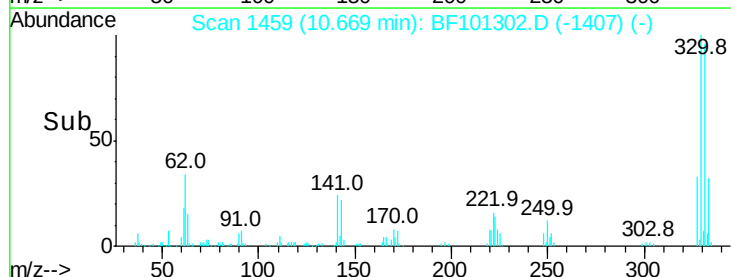
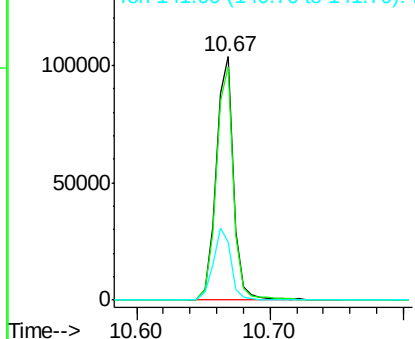


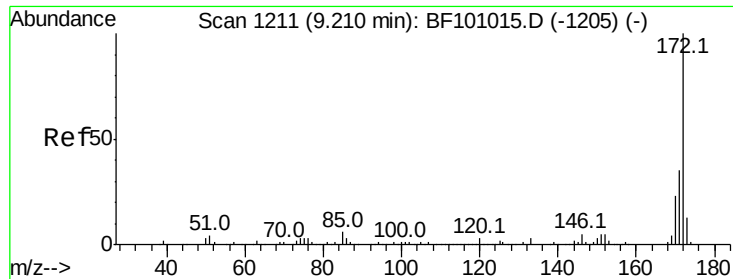
#41  
 2,4,6-Tribromophenol  
 Concen: 109.324 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. 0.01 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Tgt Ion:330 Resp: 95181  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 77.0 115.6  
 141 30.1 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

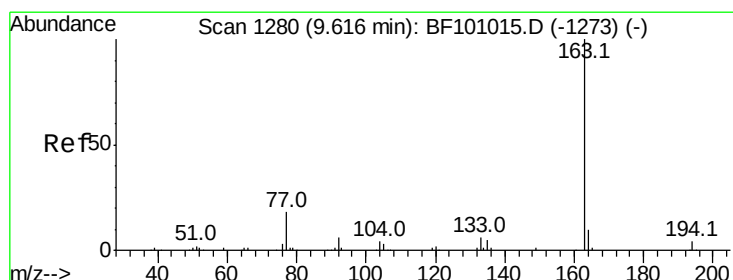
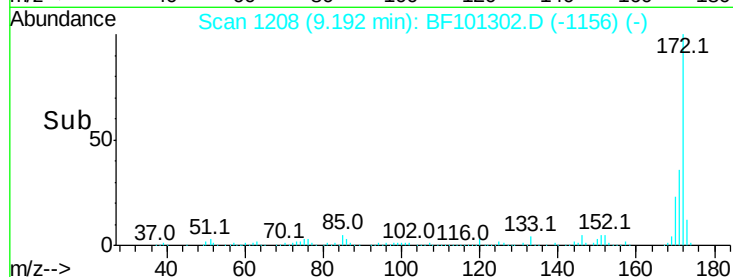
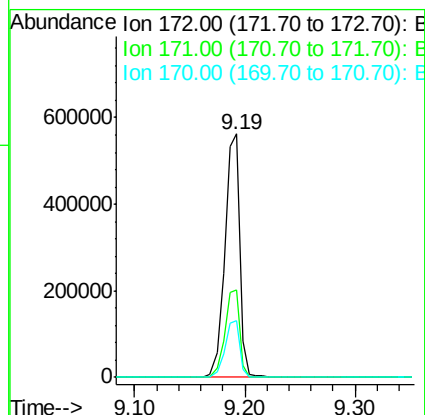
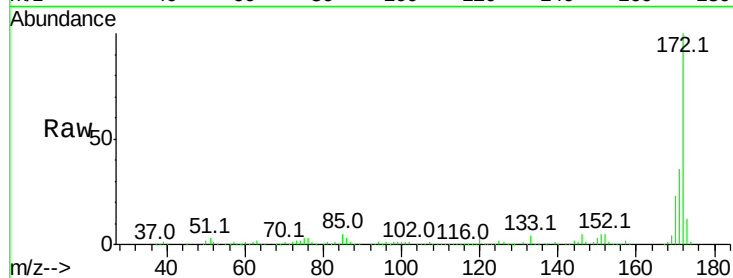




#44  
2-Fluorobiphenyl  
Concen: 100.105 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. 0.01 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

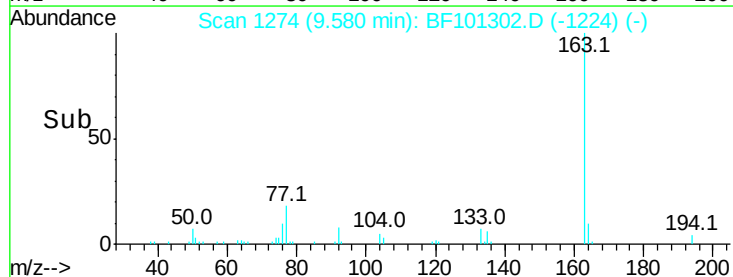
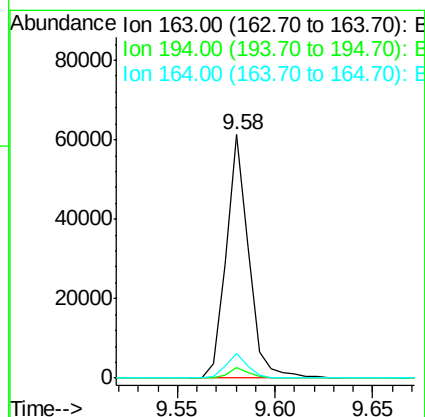
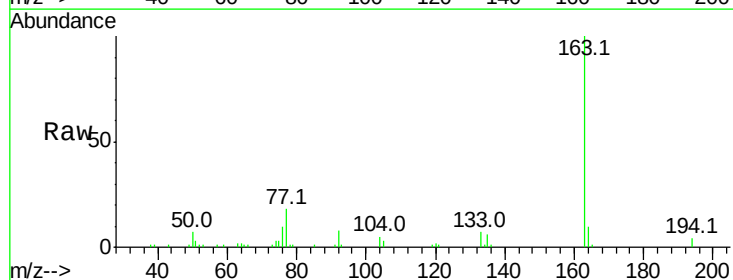
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 530265  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.7 44.5  
170 23.1 19.6 29.4

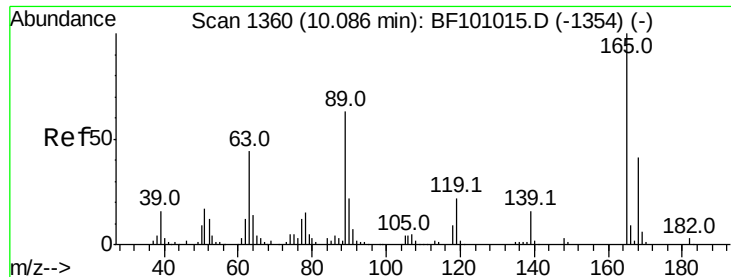


#49  
Dimethylphthalate  
Concen: 8.361 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. -0.01 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

Tgt Ion:163 Resp: 48869  
Ion Ratio Lower Upper  
163 100  
194 4.1 2.7 4.1#  
164 9.9 8.2 12.2



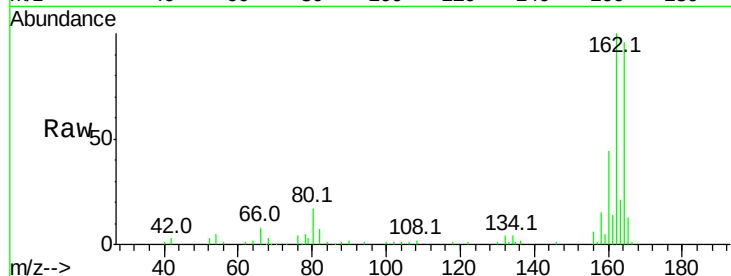




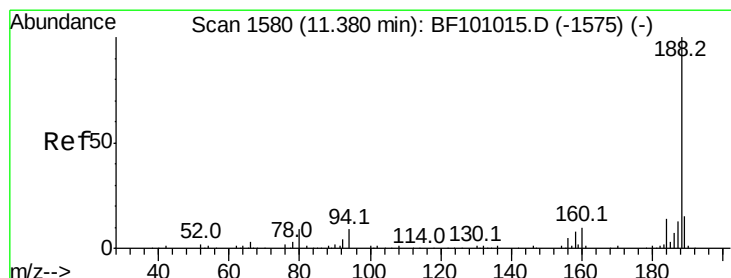
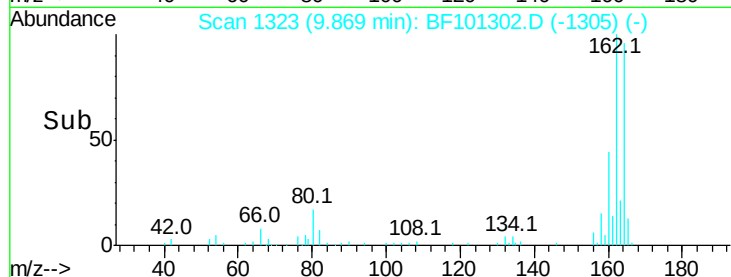
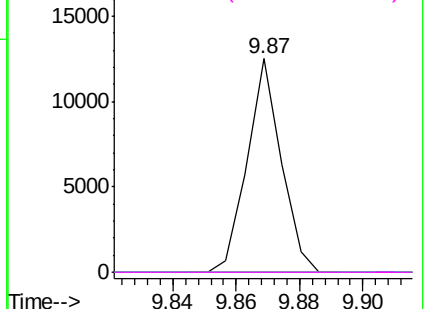
#56  
 2,4-Dinitrotoluene  
 Concen: 5.650 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.19 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 9322  
 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#

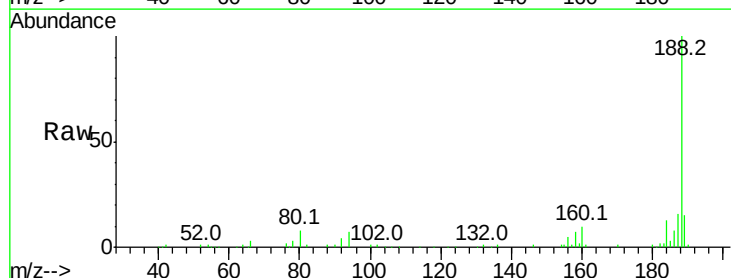


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

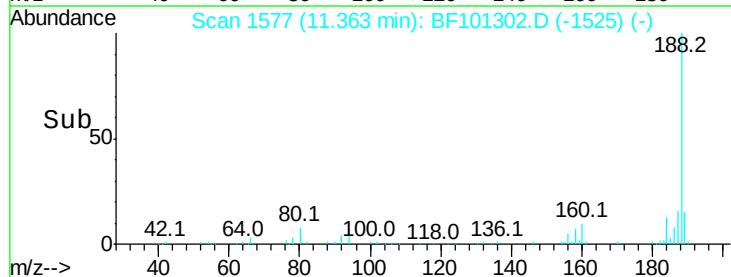
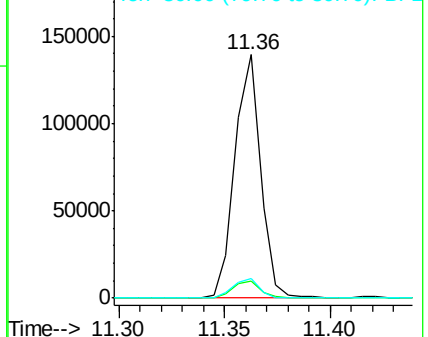


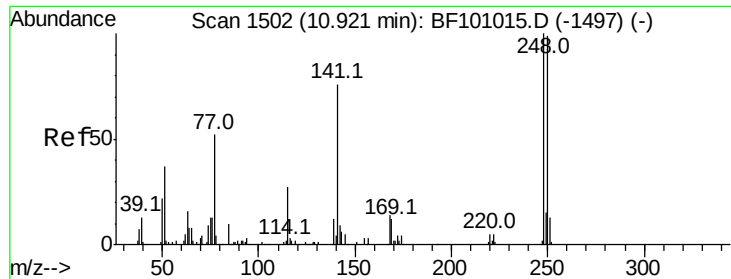
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. 0.01 min  
 Lab File: BF101302.D  
 Acq: 11 Dec 2017 20:56

Tgt Ion:188 Resp: 117372  
 Ion Ratio Lower Upper  
 188 100  
 94 6.8 8.5 12.7#  
 80 8.1 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

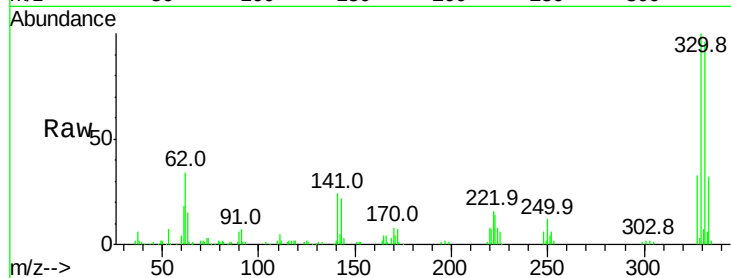




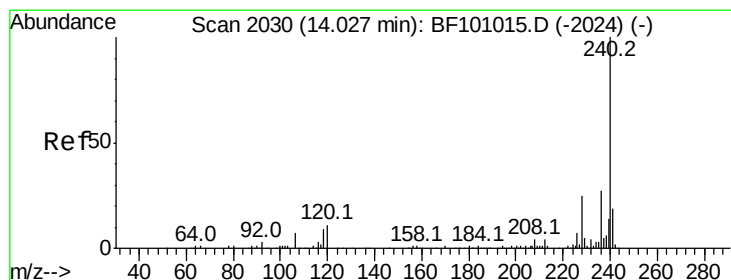
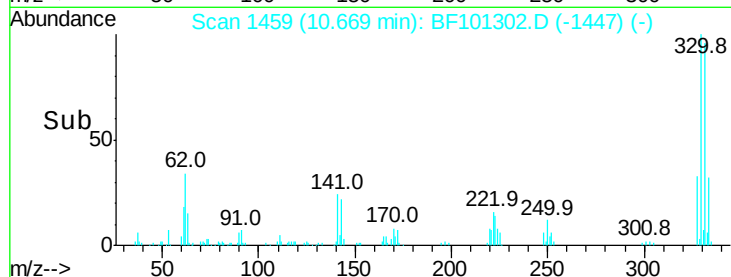
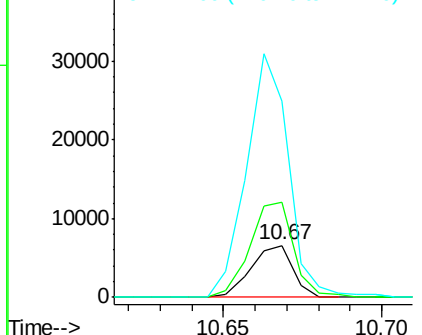
#66  
4-Bromophenyl-phenylether  
Concen: 4.591 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. -0.23 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 6031  
Ion Ratio Lower Upper  
248 100  
250 182.6 76.9 115.3#  
141 376.8 74.4 111.6#

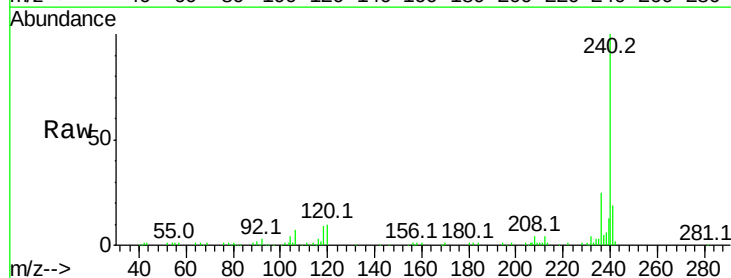


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

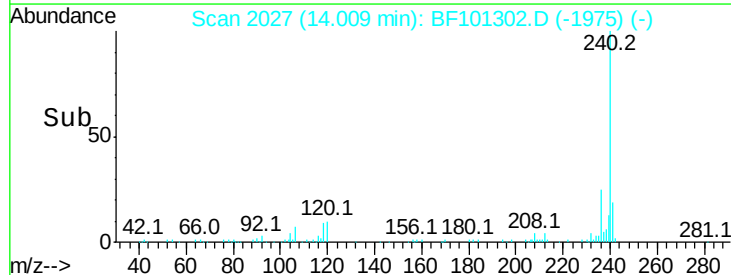
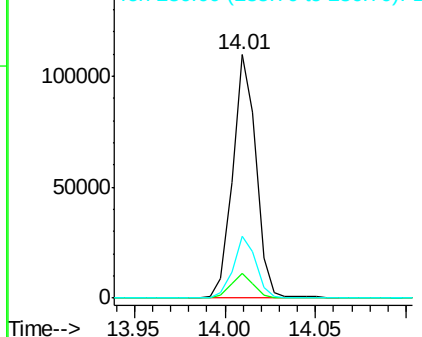


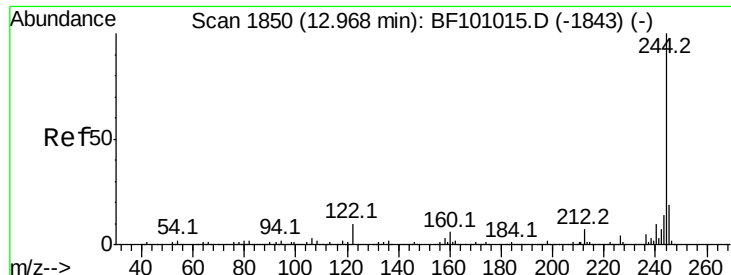
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. 0.01 min  
Lab File: BF101302.D  
Acq: 11 Dec 2017 20:56

Tgt Ion:240 Resp: 98270  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.5 14.3  
236 25.2 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: 86.096 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF101302.D

Acq: 11 Dec 2017 20:56

Instrument :

BNA\_F

ClientSampleId :

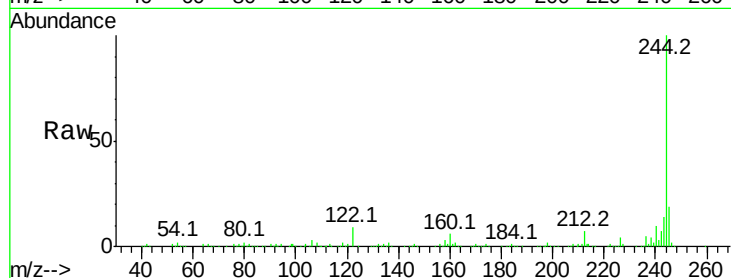
Tot Ion:244 Resp: 386817

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

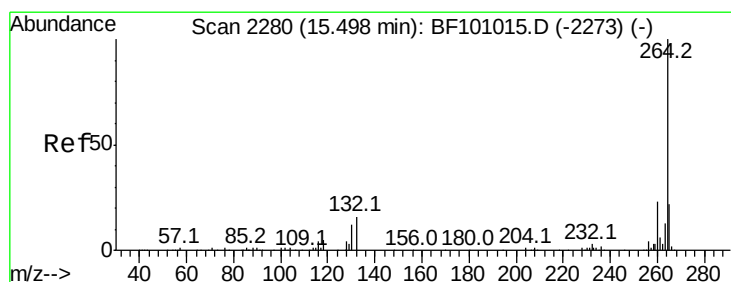
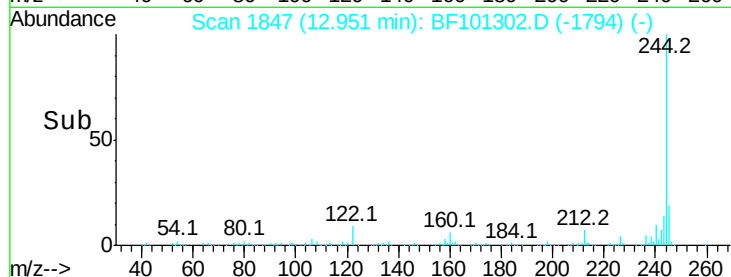
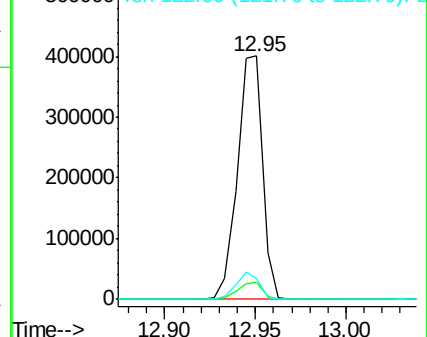
122 8.7 11.0 16.4#



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: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF101302.D

Acq: 11 Dec 2017 20:56

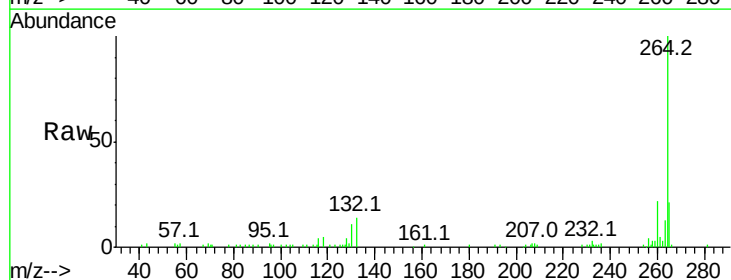
Tgt Ion:264 Resp: 83417

Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 20.6 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

