

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\  
 Data File : BF101074.D  
 Acq On : 1 Dec 2017 20:11  
 Operator : SJ/JU  
 Sample : I6622-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DBEW1B-4-9

Quant Time: Dec 01 21:53:29 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 01 15:52:19 2017  
 Response via : Initial Calibration

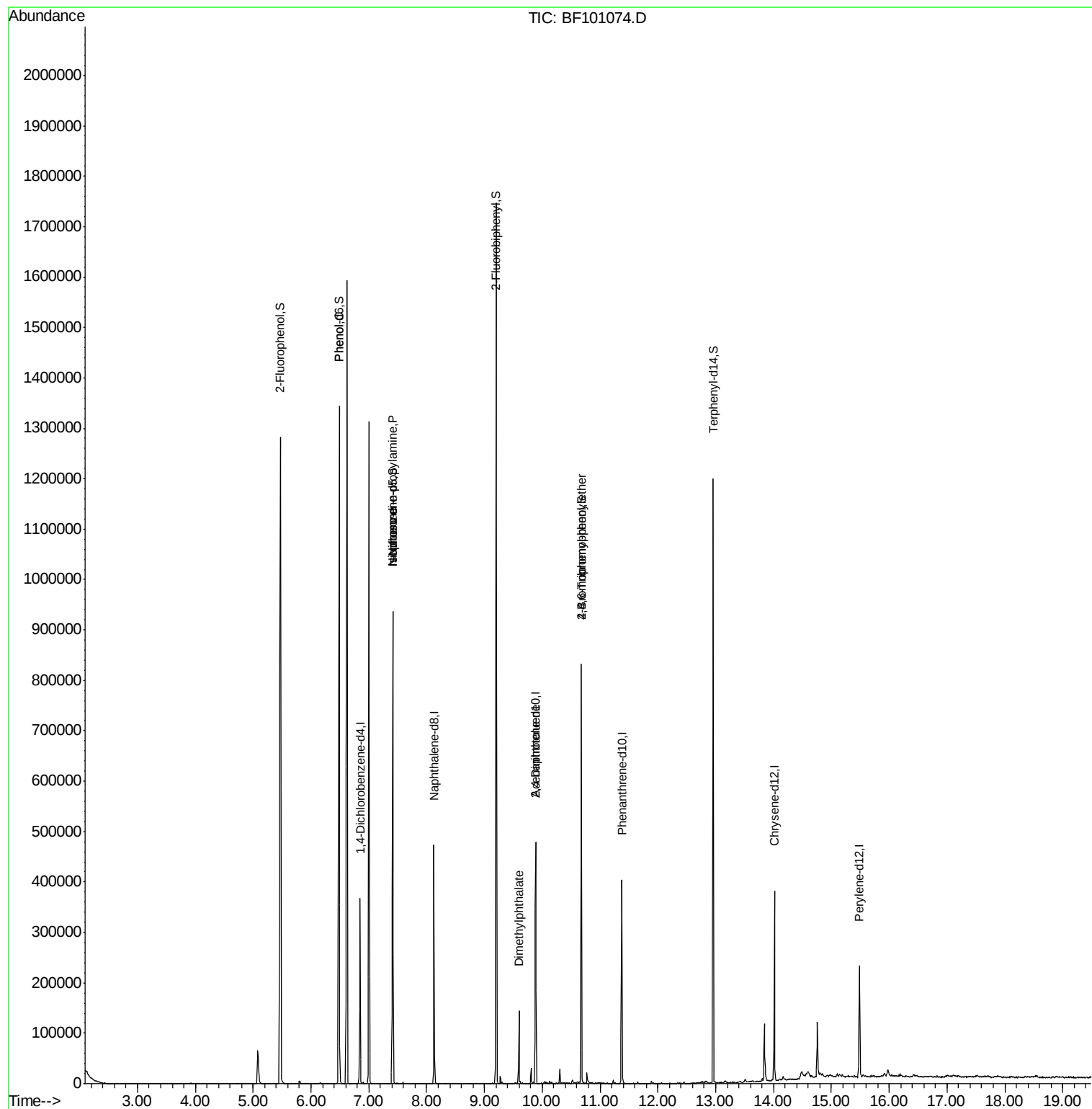
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 51933    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 202418   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 87765    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.37 | 188  | 144044   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.02 | 240  | 123885   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.49 | 264  | 102783   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 400896   | 127.56 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 482631   | 126.49 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 293834   | 86.59  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.67 | 330  | 96949    | 91.96  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.20  | 172  | 535314   | 83.45  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.96 | 244  | 394313   | 69.62  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.49  | 94   | 16890    | 3.981  | ng    | # 75     |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 39574    | 15.400 | ng    | # 78     |
| 25) Isophorone                 | 7.42  | 82   | 293830   | 50.695 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.60  | 163  | 56490    | 7.981  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 11154    | 5.583  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 6239     | 3.870  | ng    | # 1      |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\  
Data File : BF101074.D  
Acq On : 1 Dec 2017 20:11  
Operator : SJ/JU  
Sample : I6622-08  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DBEW1B-4-9

Quant Time: Dec 01 21:53:29 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 01 15:52:19 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

Instrument :

BNA\_F

ClientSampleId :

DBEW1B-4-9

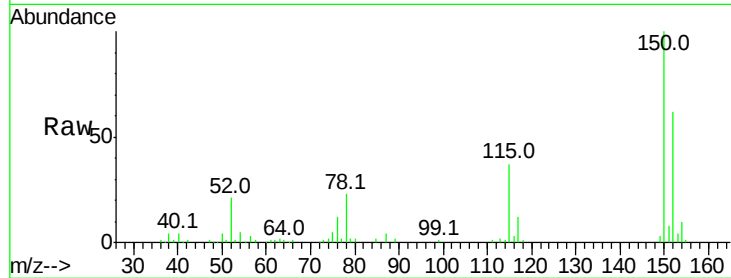
Tot Ion:152 Resp: 51933

Ion Ratio Lower Upper

152 100

150 161.4 124.6 186.8

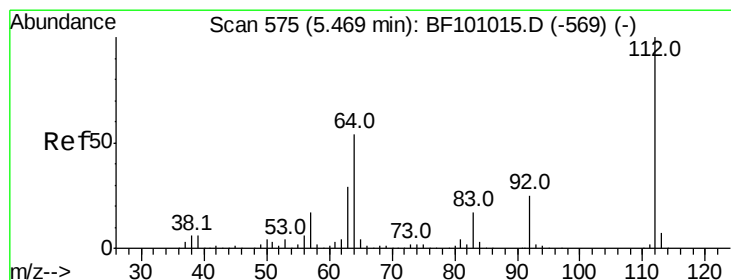
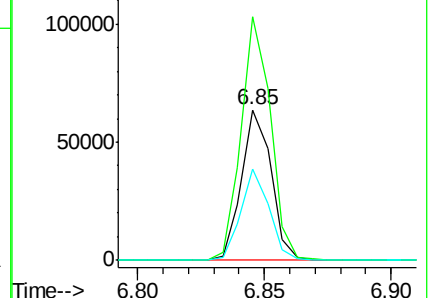
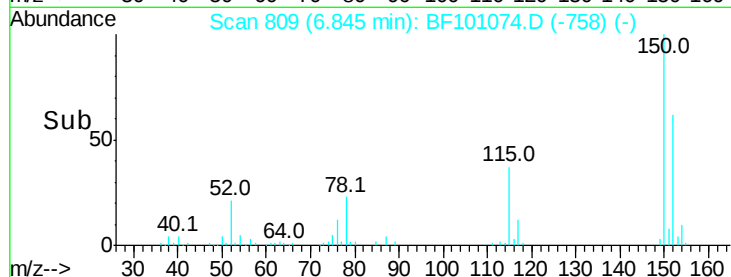
115 60.3 50.1 75.1



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: 127.560 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

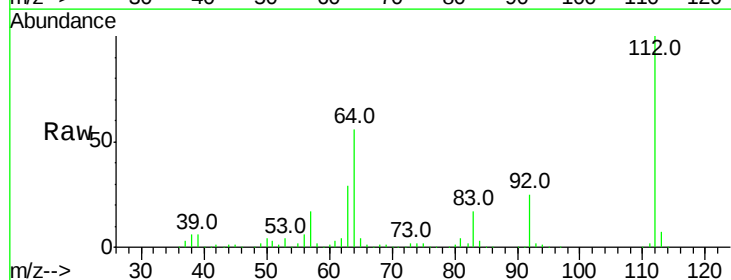
Tgt Ion:112 Resp: 400896

Ion Ratio Lower Upper

112 100

64 55.9 47.9 71.9

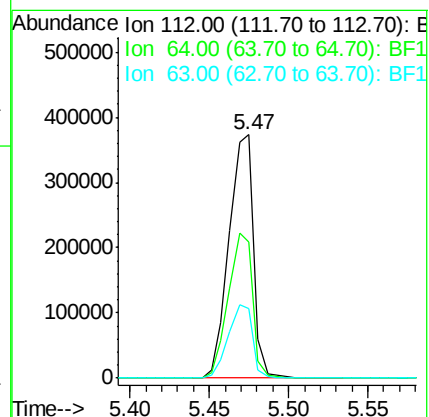
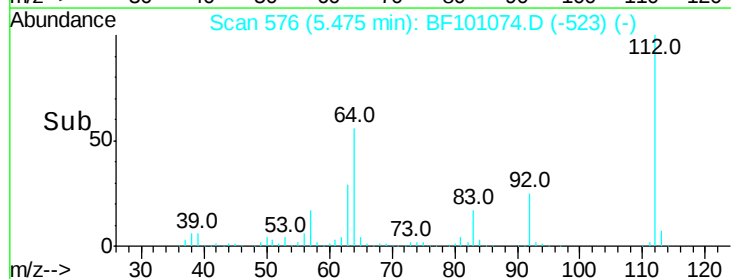
63 28.8 23.7 35.5

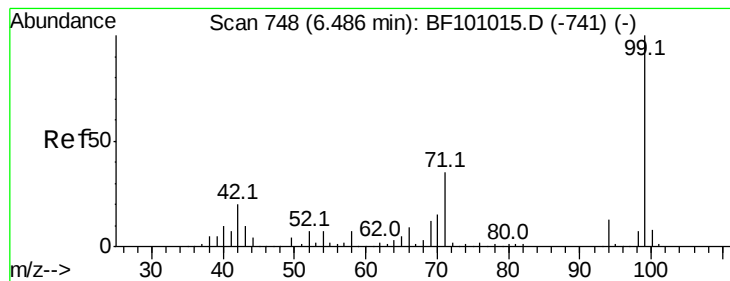


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 126.487 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

Instrument :

BNA\_F

ClientSampleId :

DBEW1B-4-9

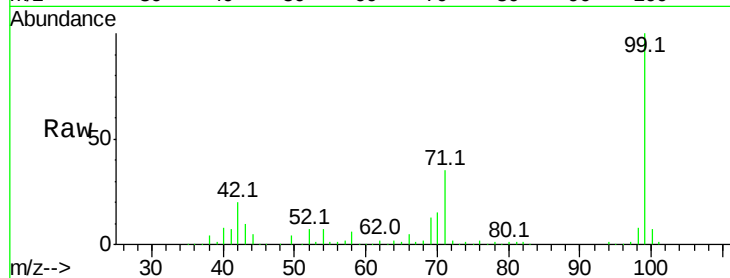
Tot Ion: 99 Resp: 482631

Ion Ratio Lower Upper

99 100

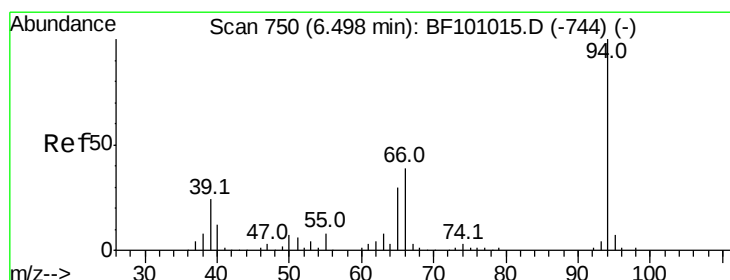
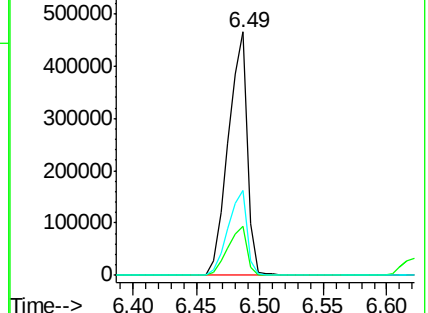
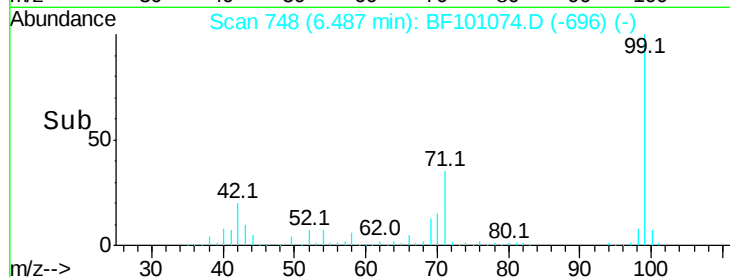
42 20.4 14.5 21.7

71 35.1 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

6.49



#10

Phenol

Concen: 3.981 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

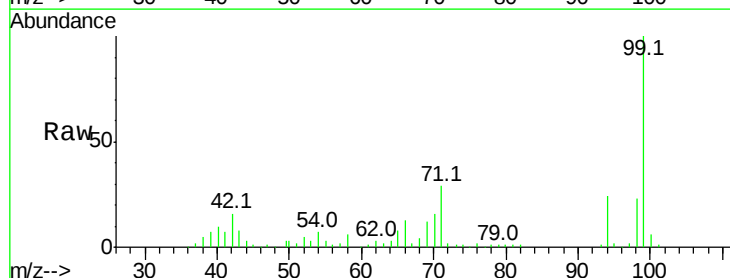
Tgt Ion: 94 Resp: 16890

Ion Ratio Lower Upper

94 100

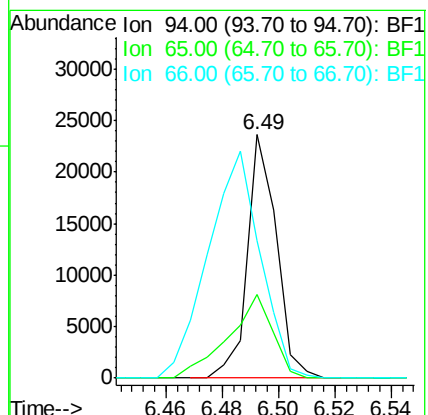
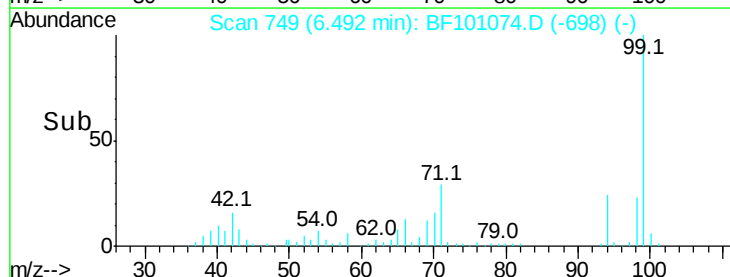
65 34.5 7.9 47.9

66 56.3 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

6.49

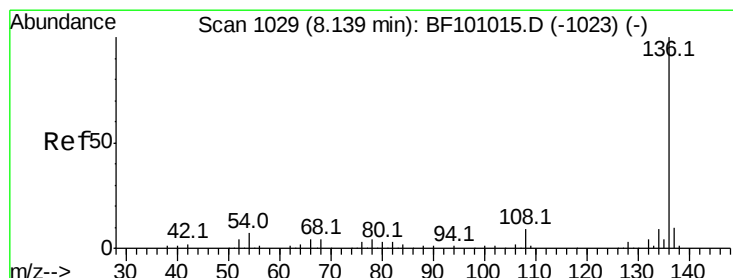
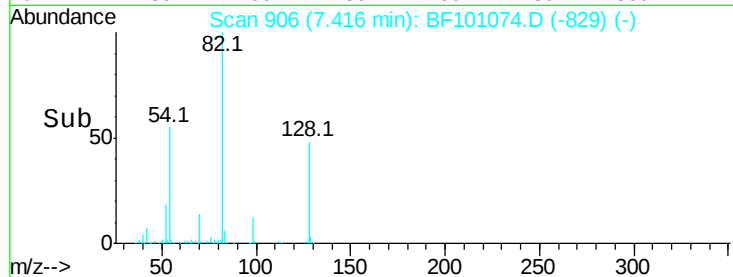
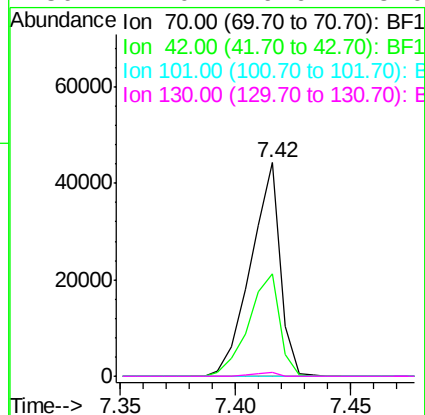
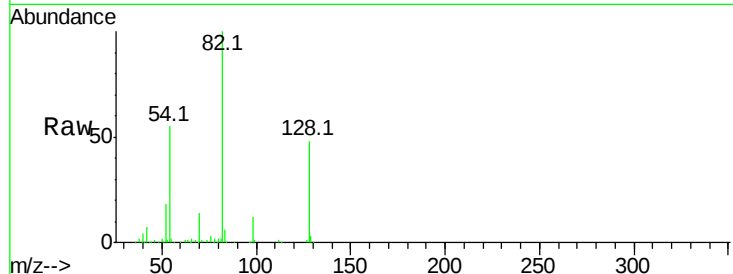




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.400 ng  
RT: 7.42 min Scan# 906  
Delta R.T. 0.15 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

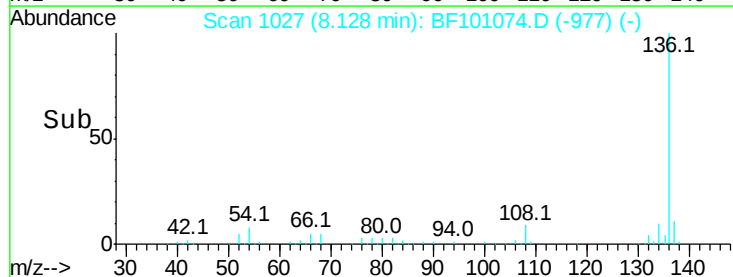
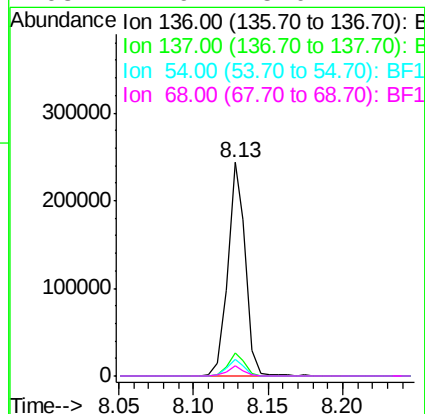
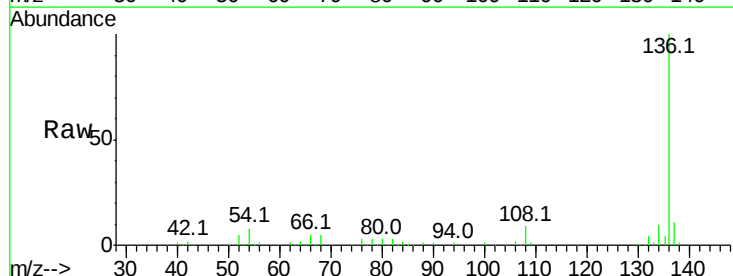
Instrument :  
BNA\_F  
ClientSampleId :  
DBEW1B-4-9

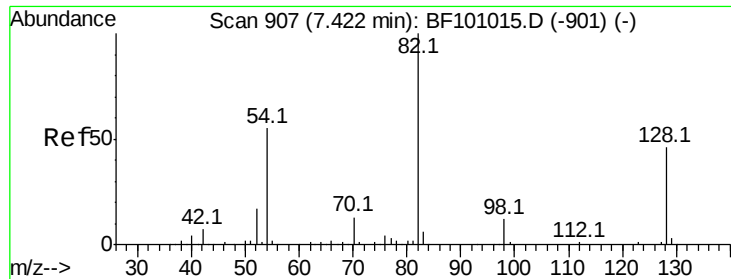
Tot Ion: 70 Resp: 39574  
Ion Ratio Lower Upper  
70 100  
42 47.7 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.0 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

Tgt Ion:136 Resp: 202418  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 8.1 6.6 9.8  
68 4.9 5.0 7.4#

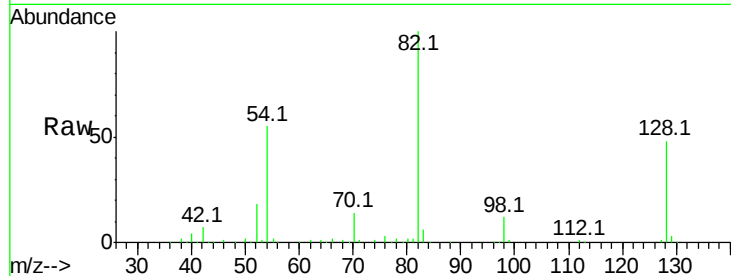




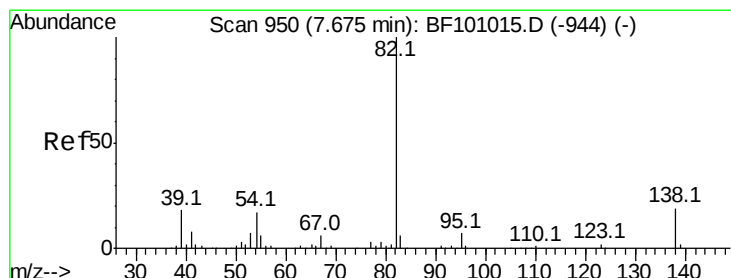
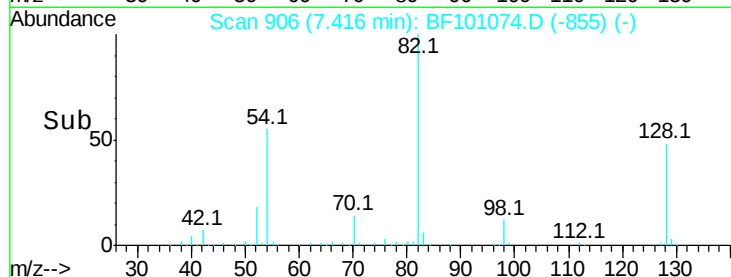
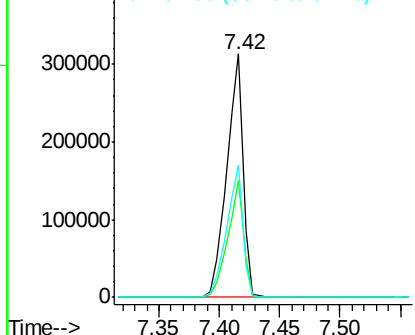
#23  
Nitrobenzene-d5  
Concen: 86.594 ng  
RT: 7.42 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

Instrument :  
BNA\_F  
ClientSampleId :  
DBEW1B-4-9

Tot Ion: 82 Resp: 293834  
Ion Ratio Lower Upper  
82 100  
128 47.8 36.1 54.1  
54 54.6 41.4 62.2

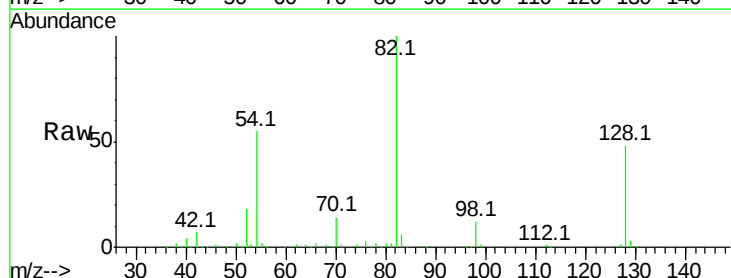


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

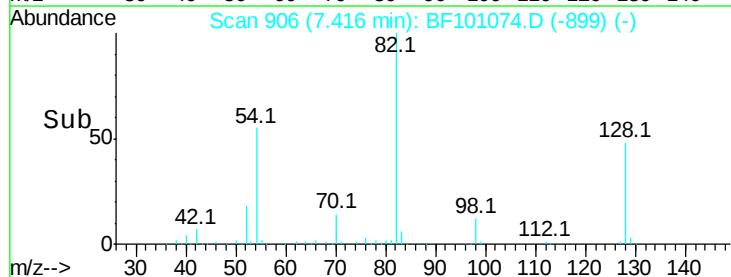
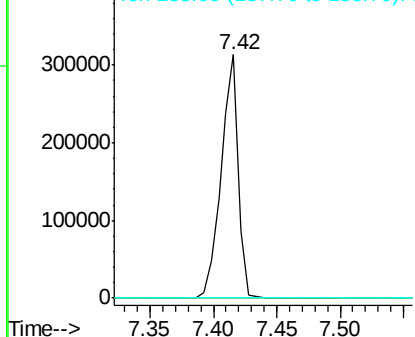


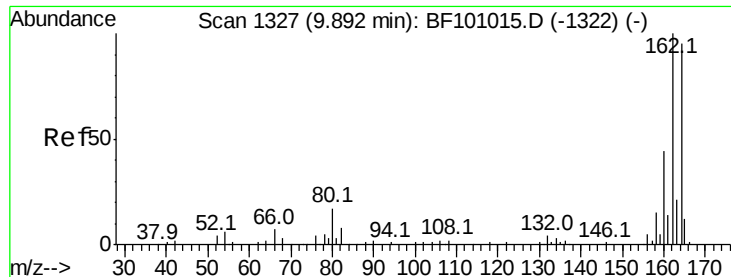
#25  
Isophorone  
Concen: 50.695 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.26 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

Tgt Ion: 82 Resp: 293830  
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

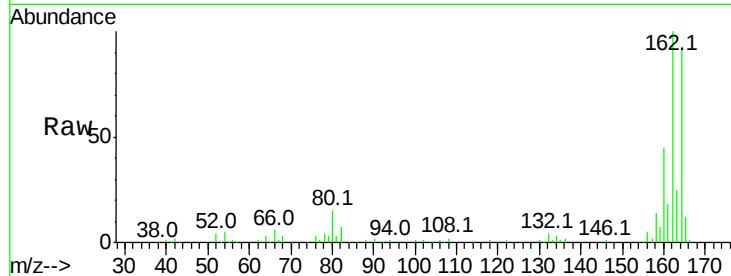




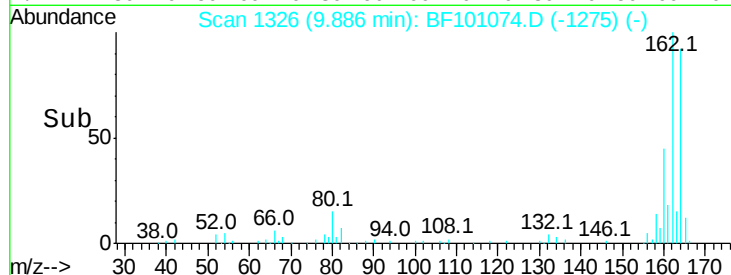
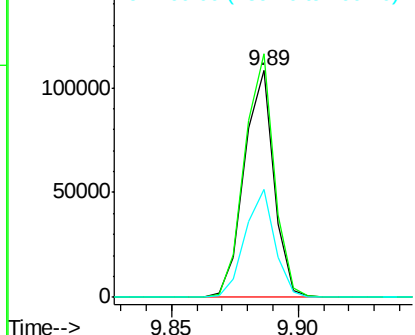
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. 0.00 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DBEW1B-4-9

Tot Ion:164 Resp: 87765  
 Ion Ratio Lower Upper  
 164 100  
 162 107.4 86.1 129.1  
 160 47.8 38.3 57.5

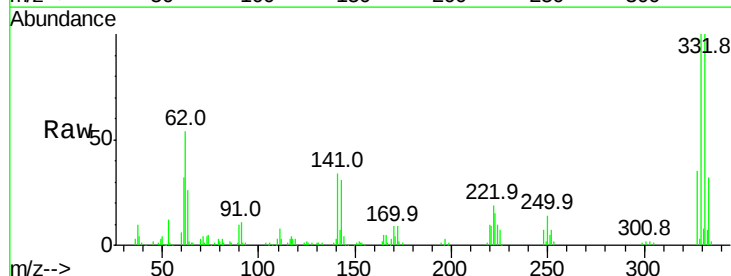


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

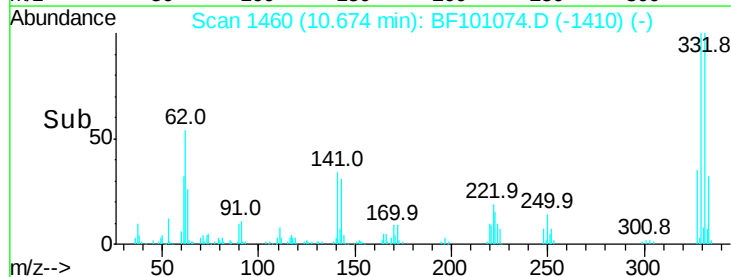
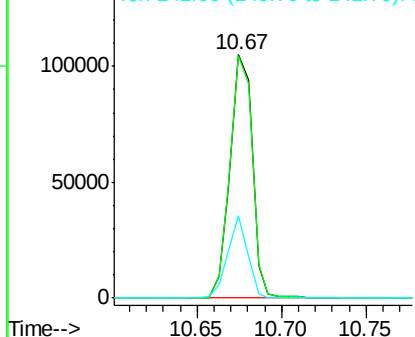


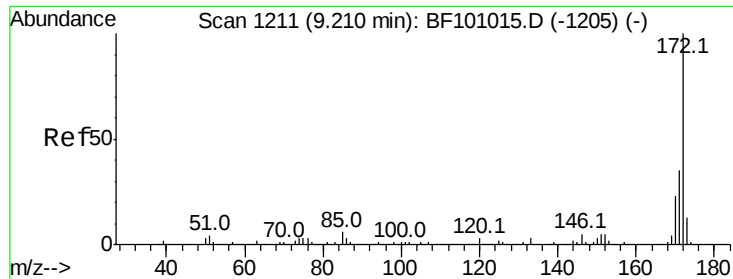
#41  
 2,4,6-Tribromophenol  
 Concen: 91.955 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

Tgt Ion:330 Resp: 96949  
 Ion Ratio Lower Upper  
 330 100  
 332 99.5 77.0 115.6  
 141 29.9 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

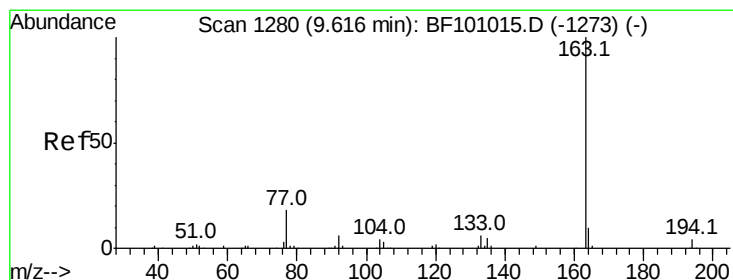
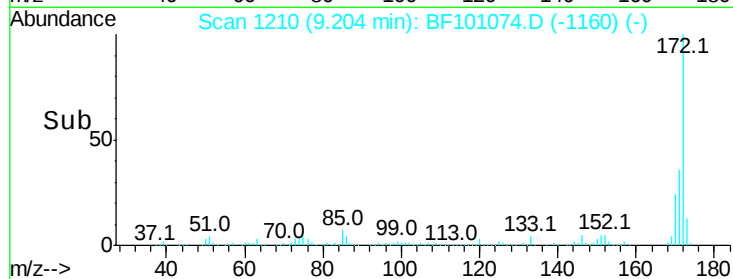
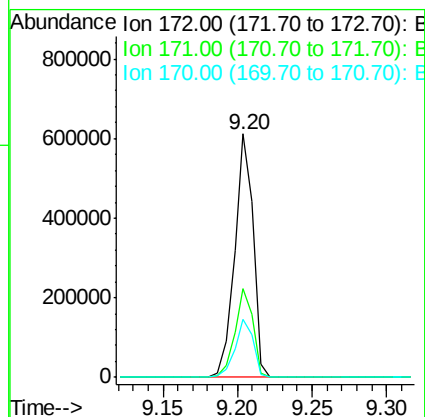
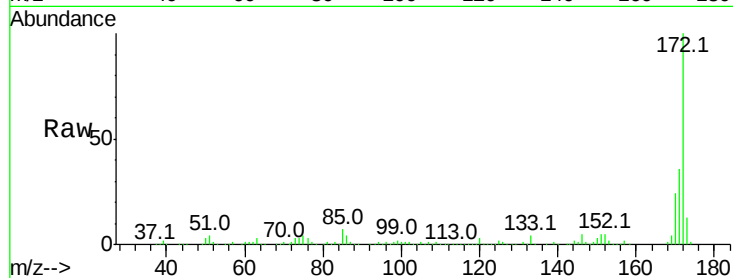




#44  
 2-Fluorobiphenyl  
 Concen: 83.452 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

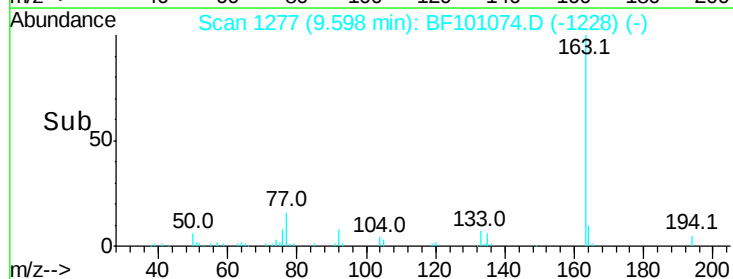
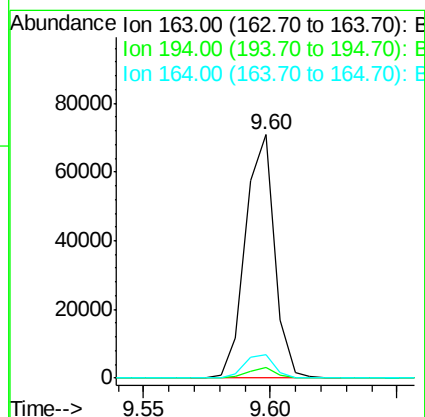
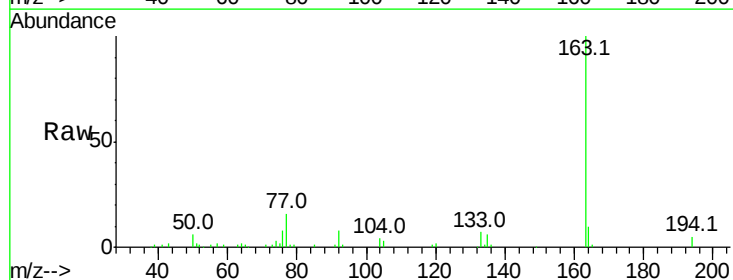
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DBEW1B-4-9

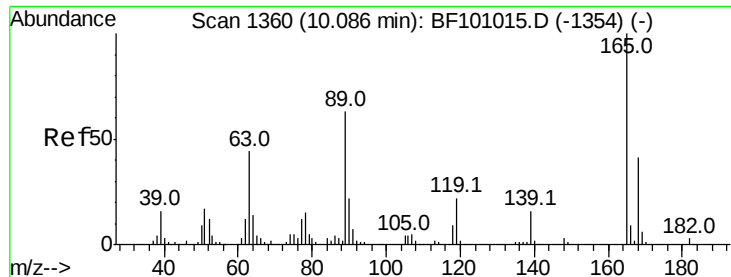
Tot Ion:172 Resp: 535314  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.7 44.5  
 170 23.9 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 7.981 ng  
 RT: 9.60 min Scan# 1277  
 Delta R.T. -0.01 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

Tgt Ion:163 Resp: 56490  
 Ion Ratio Lower Upper  
 163 100  
 194 4.5 2.7 4.1#  
 164 9.7 8.2 12.2

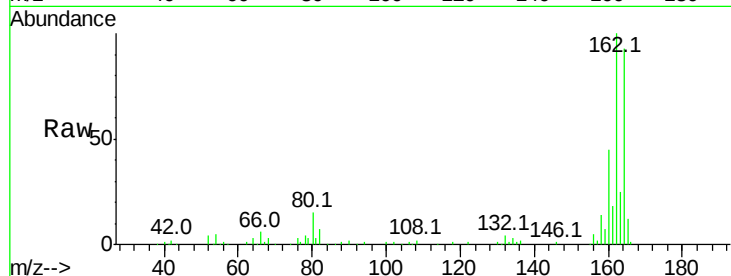




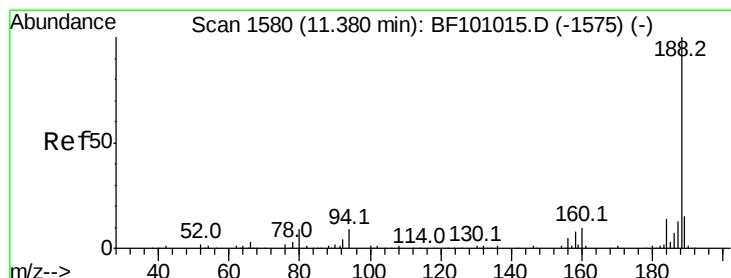
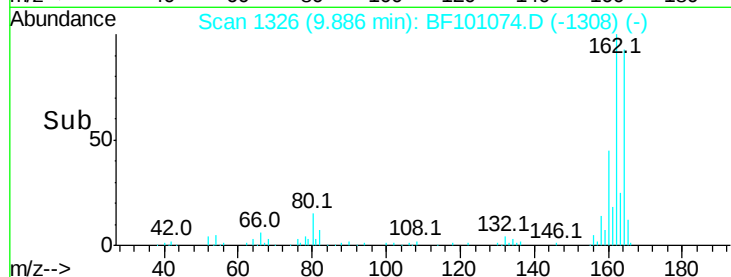
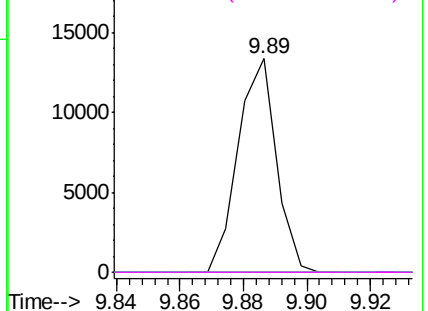
#56  
 2,4-Dinitrotoluene  
 Concen: 5.583 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.19 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DBEW1B-4-9

Tot Ion:165 Resp: 11154  
 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#

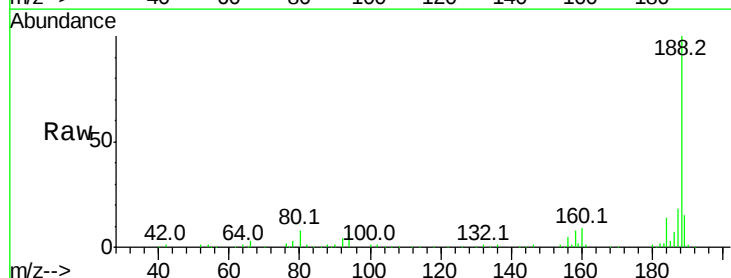


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

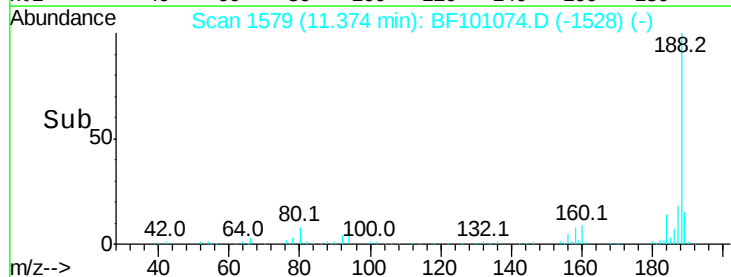
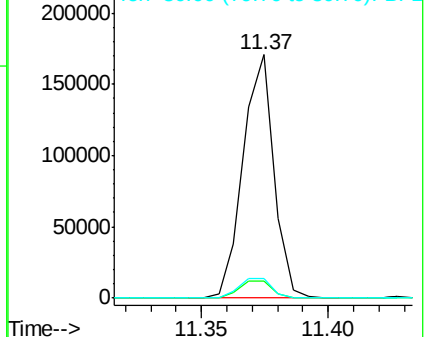


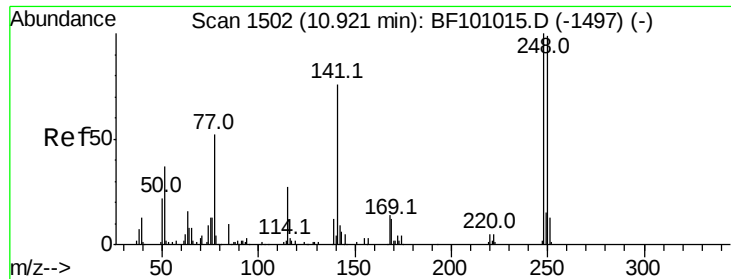
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. 0.00 min  
 Lab File: BF101074.D  
 Acq: 1 Dec 2017 20:11

Tgt Ion:188 Resp: 144044  
 Ion Ratio Lower Upper  
 188 100  
 94 7.2 8.5 12.7#  
 80 8.2 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

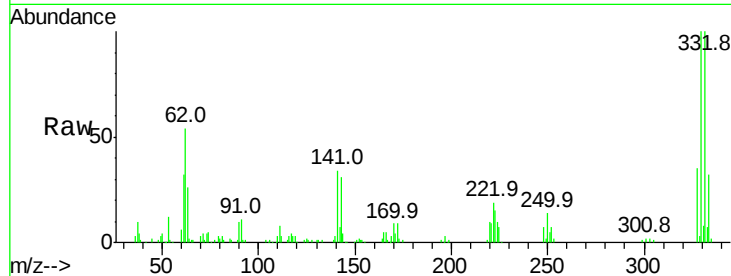




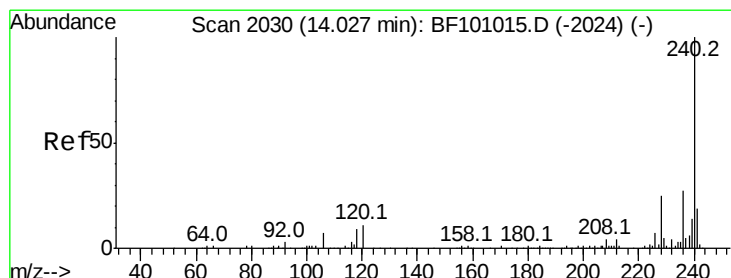
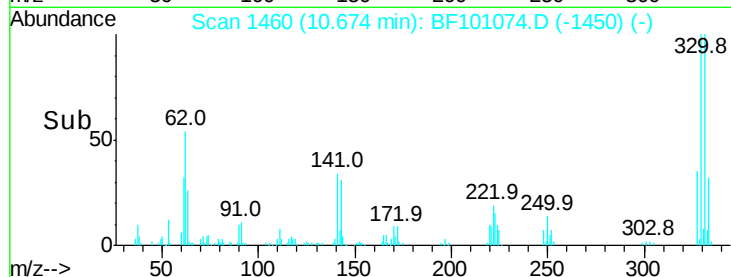
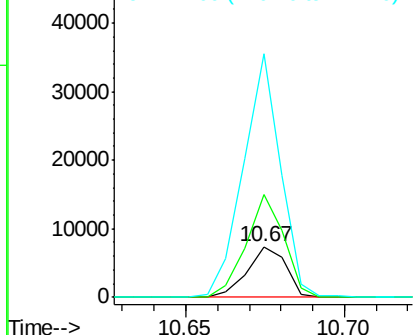
#66  
4-Bromophenyl-phenylether  
Concen: 3.870 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.24 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

Instrument :  
BNA\_F  
ClientSampleId :  
DBEW1B-4-9

Tot Ion:248 Resp: 6239  
Ion Ratio Lower Upper  
248 100  
250 202.7 76.9 115.3#  
141 482.2 74.4 111.6#

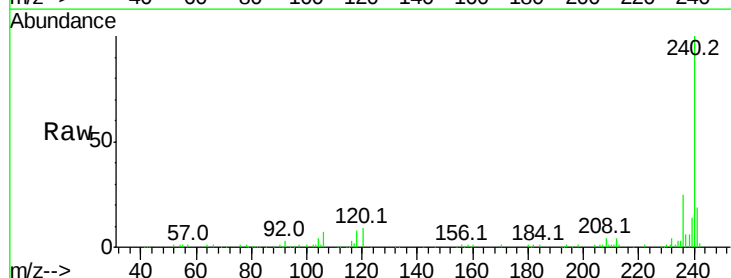


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

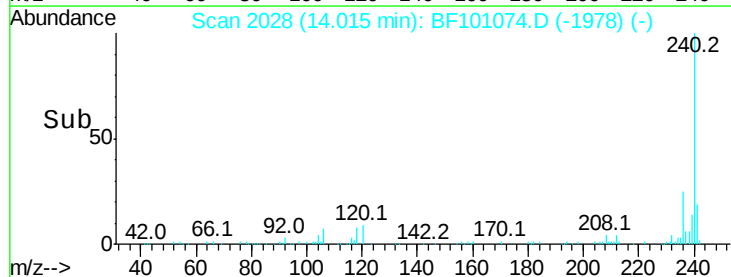
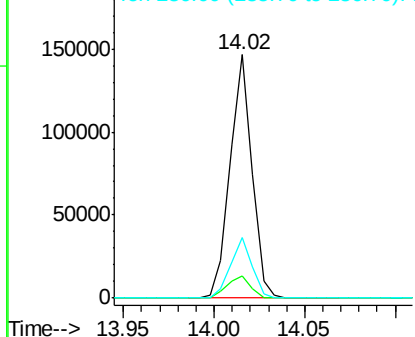


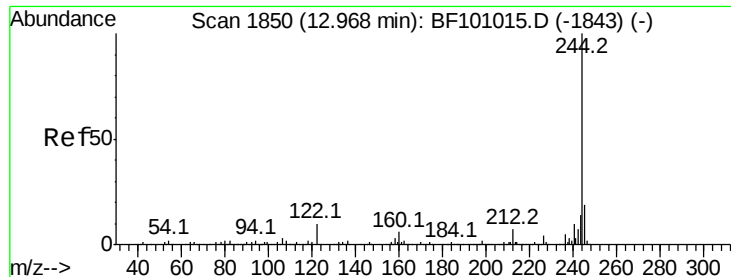
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF101074.D  
Acq: 1 Dec 2017 20:11

Tgt Ion:240 Resp: 123885  
Ion Ratio Lower Upper  
240 100  
120 9.3 9.5 14.3#  
236 25.0 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: 69.618 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

Instrument :

BNA\_F

ClientSampleId :

DBEW1B-4-9

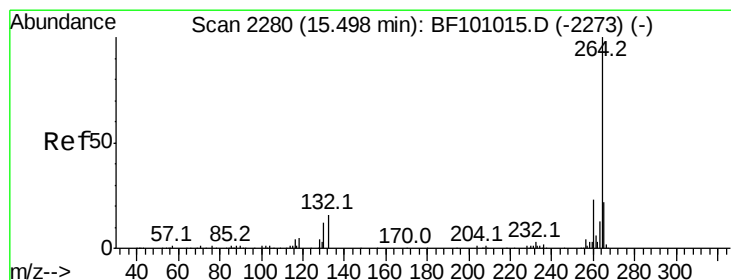
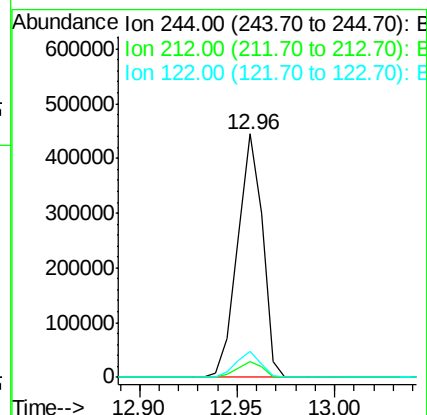
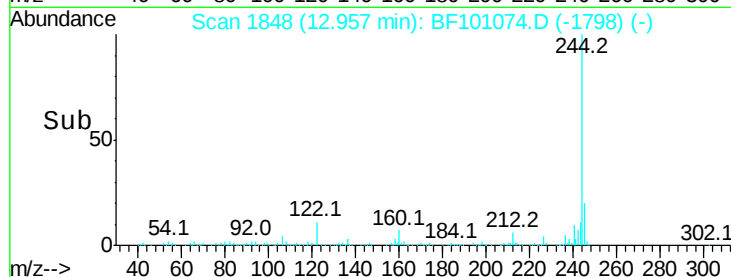
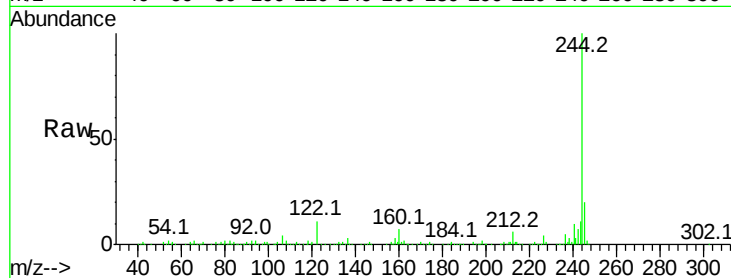
Tot Ion:244 Resp: 394313

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.9 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF101074.D

Acq: 1 Dec 2017 20:11

Tgt Ion:264 Resp: 102783

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.3 17.5 26.3

