

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061418\  
 Data File : BF106452.D  
 Acq On : 14 Jun 2018 19:44  
 Operator : JU/SJ  
 Sample : J3498-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-E-S

Quant Time: Jun 15 01:12:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 14 18:39:24 2018  
 Response via : Initial Calibration

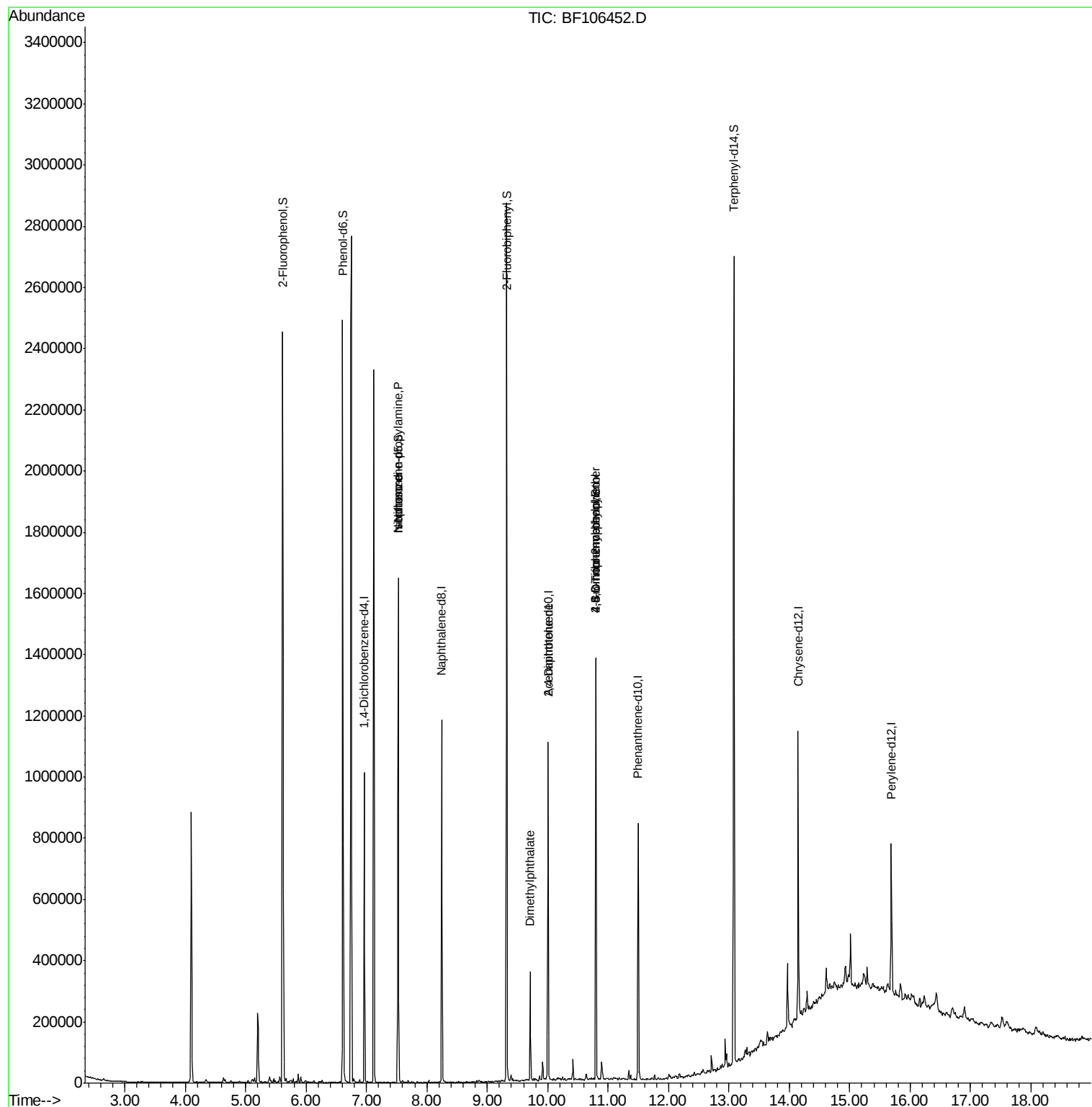
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 130296   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 472236   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.01 | 164  | 193862   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 313337   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 327984   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.69 | 264  | 230165   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 747973   | 97.16  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.61  | 99   | 908421   | 93.40  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 582474   | 72.56  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 184122   | 98.71  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 950856   | 88.11  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 885228   | 67.04  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 77708    | 10.649 | ng    | # 75     |
| 25) Isophorone                 | 7.53  | 82   | 582469   | 37.149 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 119620   | 8.637  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 25342    | 7.133  | ng    | # 23     |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 327      | 6.463  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 12427    | 3.487  | ng    | # 1      |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061418\  
Data File : BF106452.D  
Acq On : 14 Jun 2018 19:44  
Operator : JU/SJ  
Sample : J3498-11  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-E-S

Quant Time: Jun 15 01:12:55 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 14 18:39:24 2018  
Response via : Initial Calibration

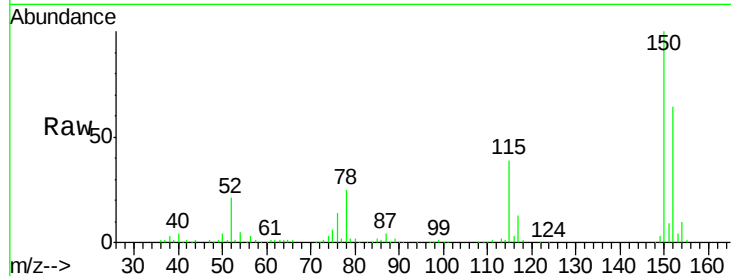




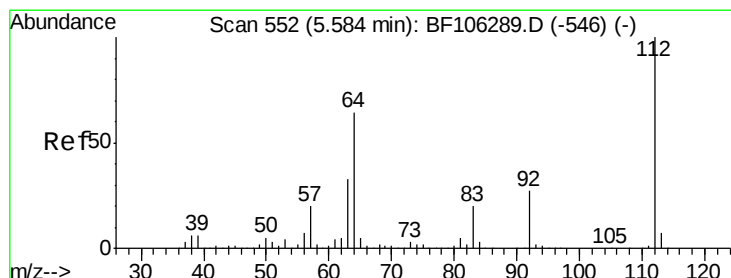
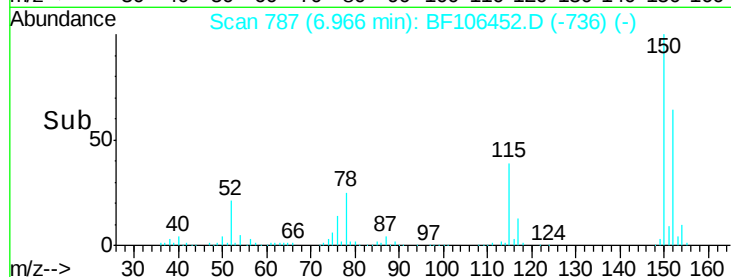
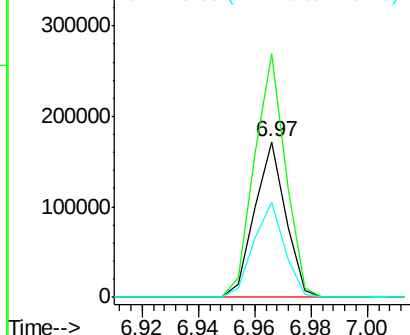
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF106452.D  
 Acq: 14 Jun 2018 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-E-S

Tgt Ion:152 Resp: 130296  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 124.6 186.8  
 115 61.3 50.1 75.1

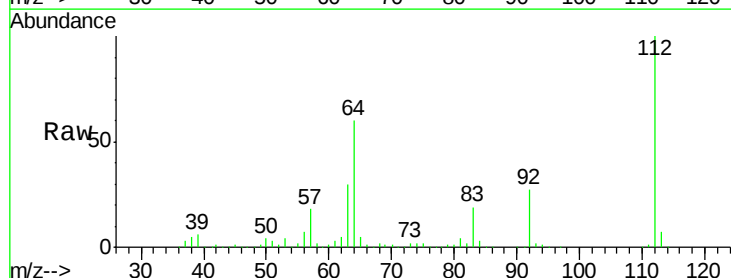


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

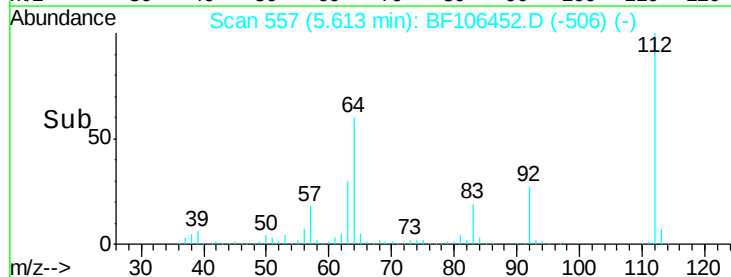
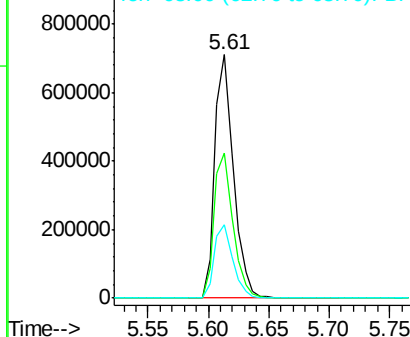


#5  
 2-Fluorophenol  
 Concen: 97.159 ng  
 RT: 5.61 min Scan# 557  
 Delta R.T. -0.00 min  
 Lab File: BF106452.D  
 Acq: 14 Jun 2018 19:44

Tgt Ion:112 Resp: 747973  
 Ion Ratio Lower Upper  
 112 100  
 64 59.6 47.9 71.9  
 63 30.3 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: 93.399 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

Instrument :

BNA\_F

ClientSampleId :

TP-E-S

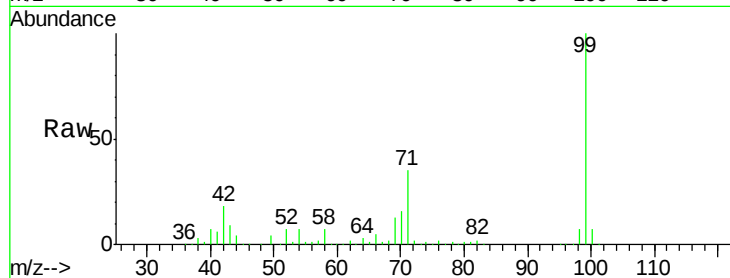
Tgt Ion: 99 Resp: 908421

Ion Ratio Lower Upper

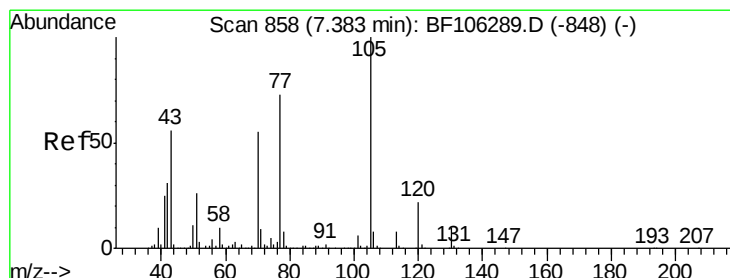
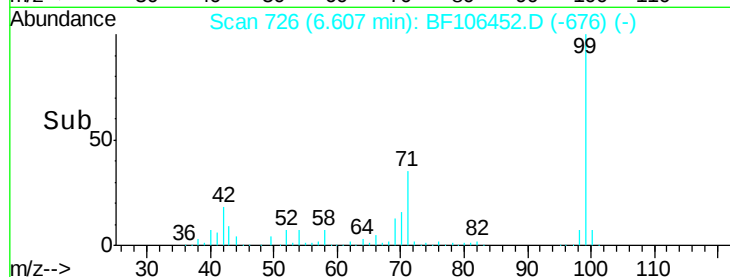
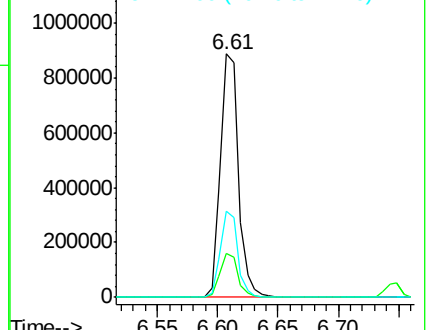
99 100

42 17.9 14.5 21.7

71 35.4 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: 10.649 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

Tgt Ion: 70 Resp: 77708

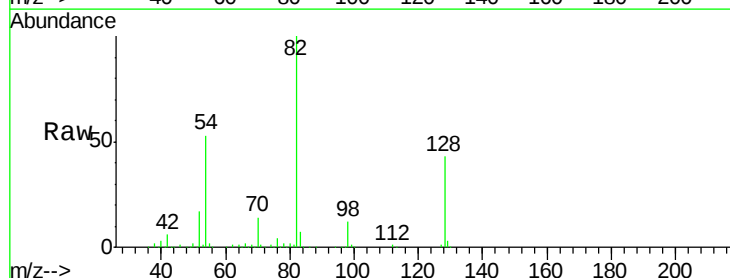
Ion Ratio Lower Upper

70 100

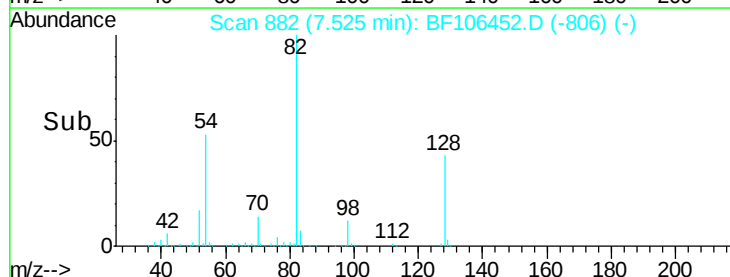
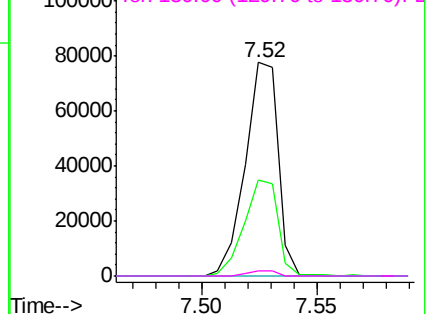
42 44.9 47.5 71.3#

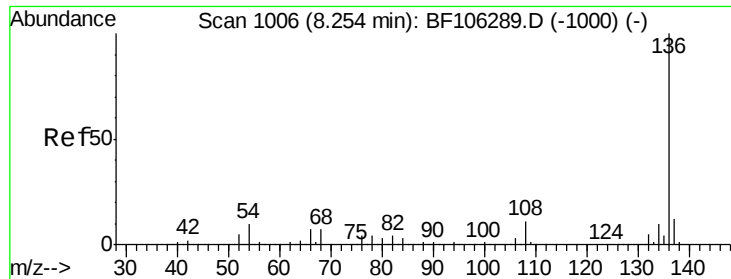
101 0.0 7.4 11.2#

130 2.2 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

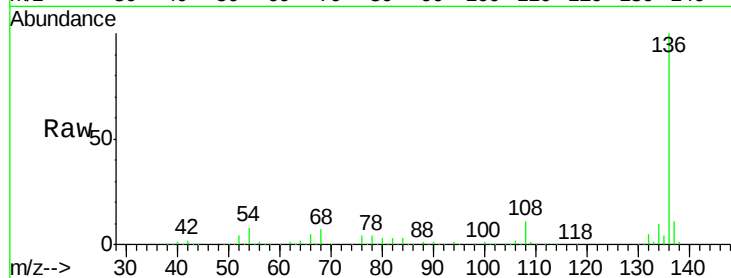




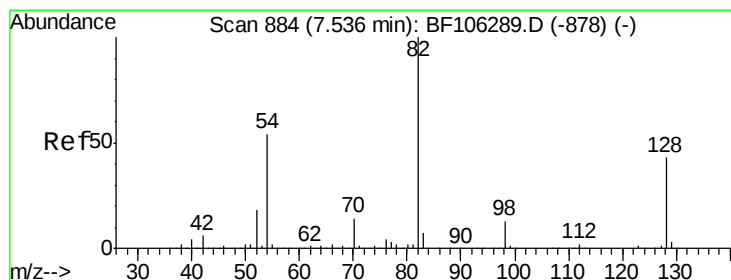
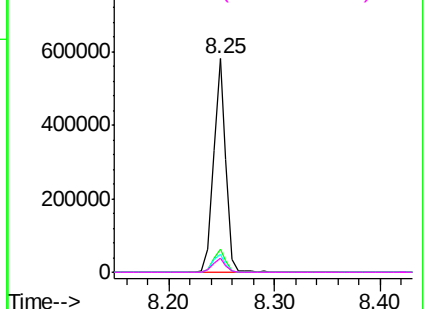
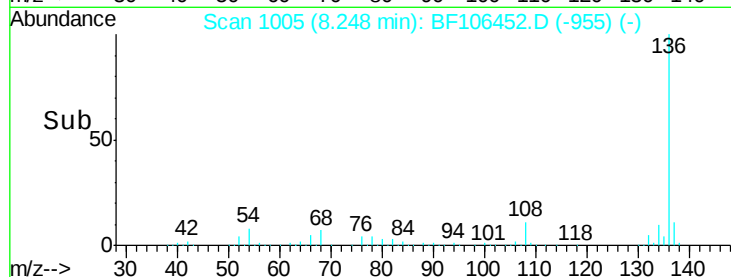
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
TP-E-S

Tgt Ion: 136 Resp: 472236  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.5 6.6 9.8  
68 6.7 5.0 7.4

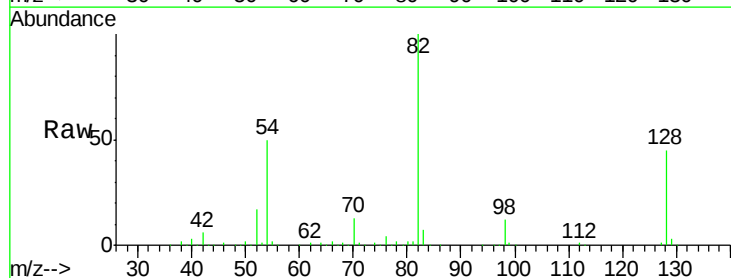


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

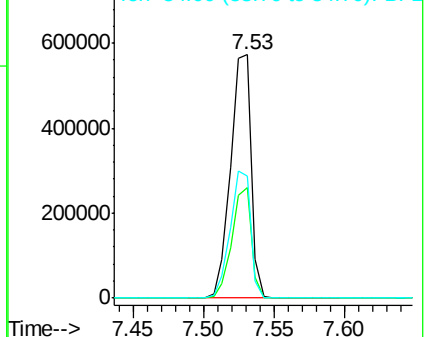
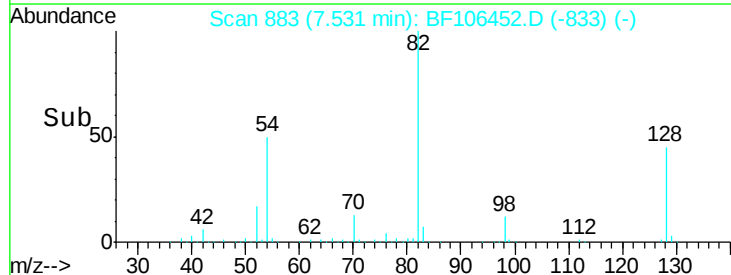


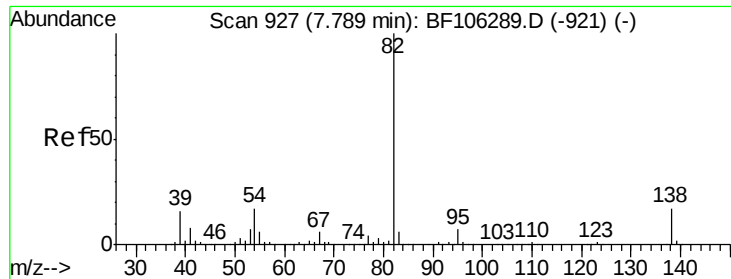
#23  
Nitrobenzene-d5  
Concen: 72.561 ng  
RT: 7.53 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Tgt Ion: 82 Resp: 582474  
Ion Ratio Lower Upper  
82 100  
128 45.2 36.1 54.1  
54 50.0 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: 37.149 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

Instrument :

BNA\_F

ClientSampleId :

TP-E-S

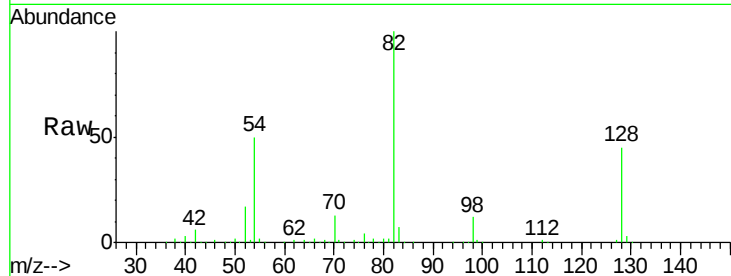
Tgt Ion: 82 Resp: 582469

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

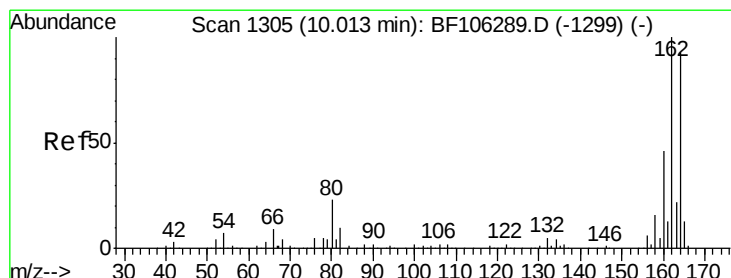
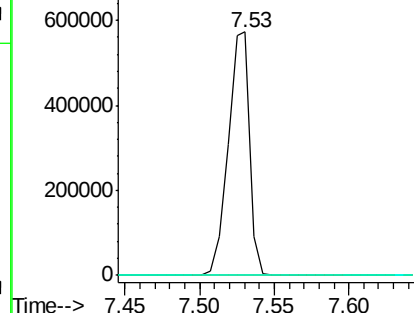
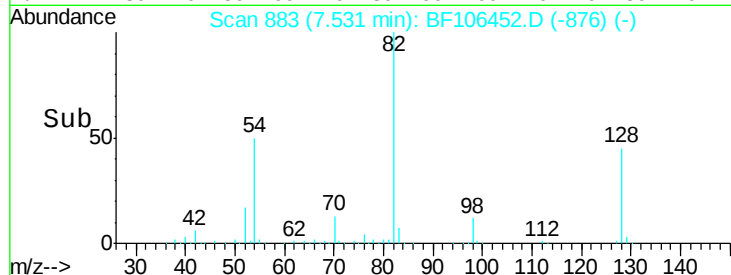
138 0.0 14.9 22.3#



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: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

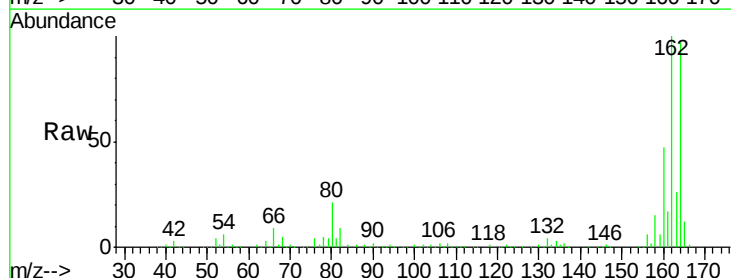
Tgt Ion: 164 Resp: 193862

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

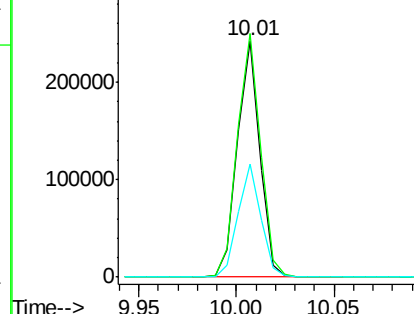
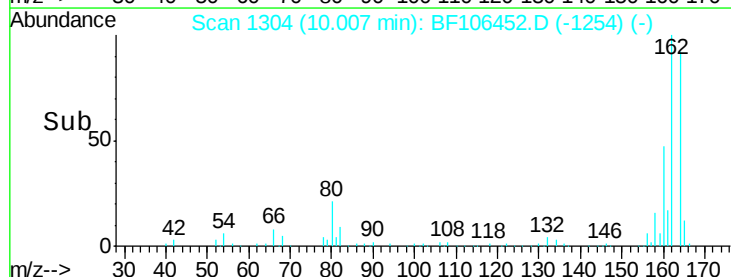
160 47.9 38.3 57.5

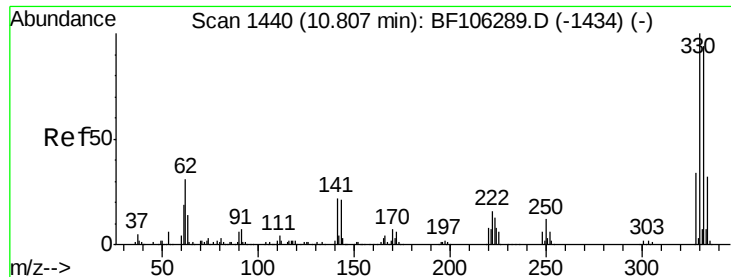


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

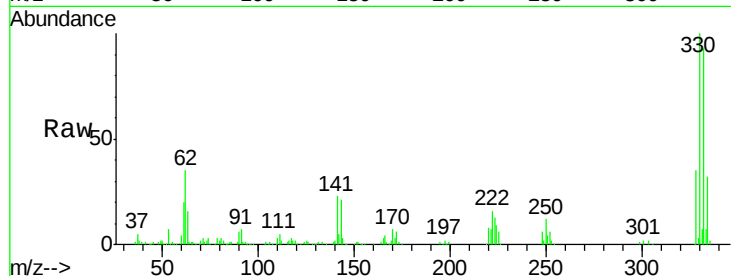




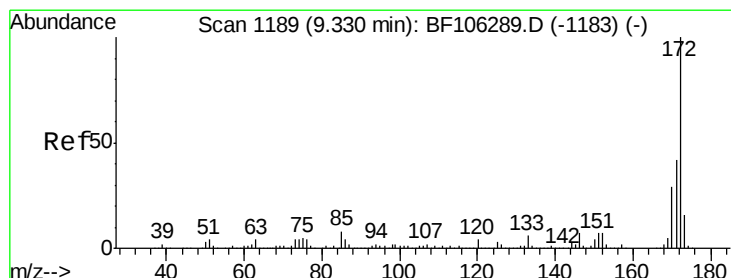
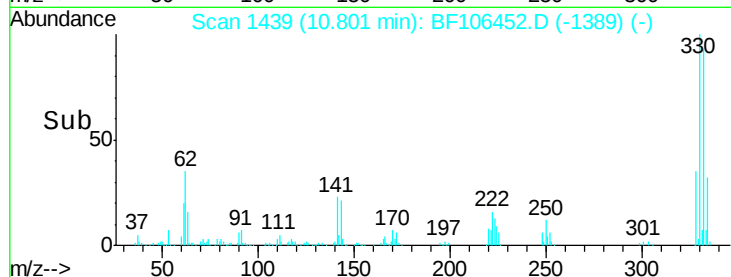
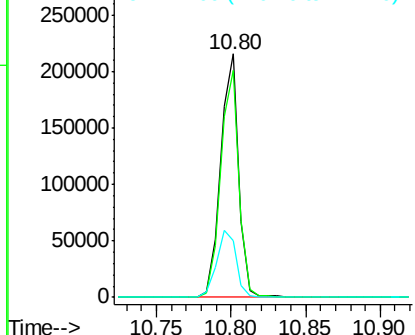
#41  
 2,4,6-Tribromophenol  
 Concen: 98.710 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF106452.D  
 Acq: 14 Jun 2018 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-E-S

Tgt Ion:330 Resp: 184122  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 77.0 115.6  
 141 29.4 29.9 44.9#

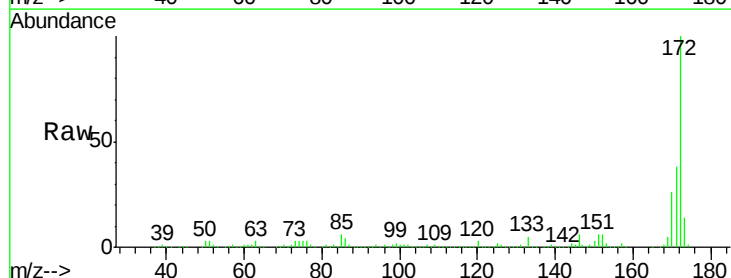


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

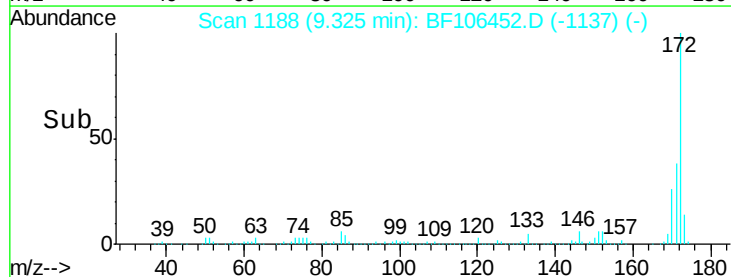
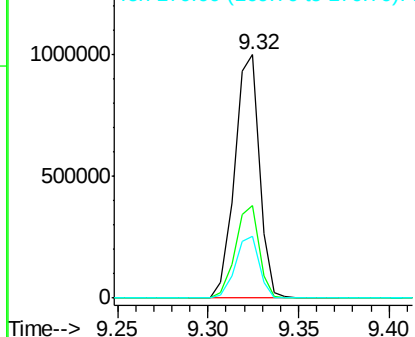


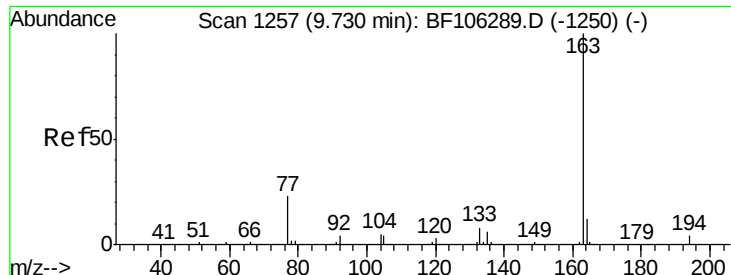
#44  
 2-Fluorobiphenyl  
 Concen: 88.111 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.00 min  
 Lab File: BF106452.D  
 Acq: 14 Jun 2018 19:44

Tgt Ion:172 Resp: 950856  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 29.7 44.5  
 170 25.5 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

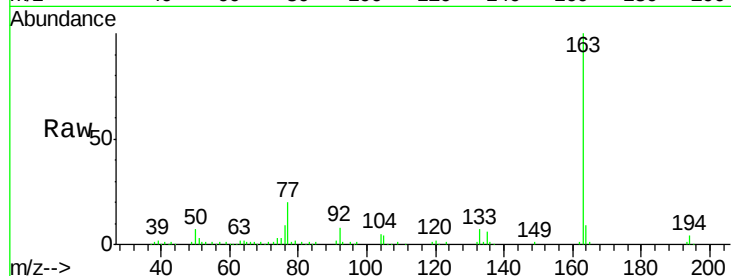




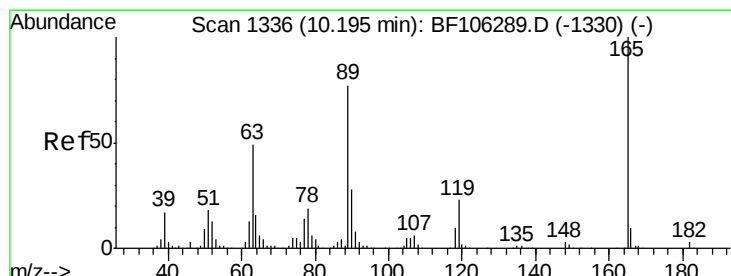
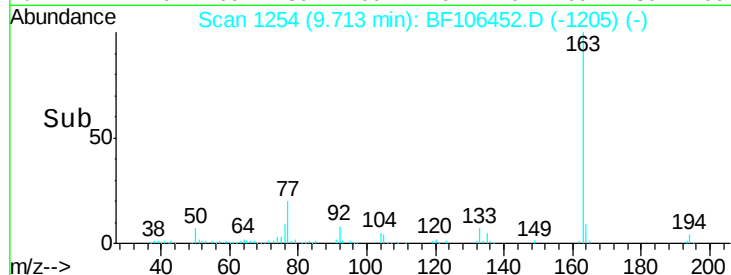
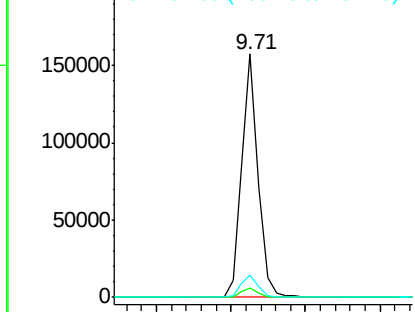
#49  
Dimethylphthalate  
Concen: 8.637 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
TP-E-S

Tgt Ion:163 Resp: 119620  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.2 8.2 12.2

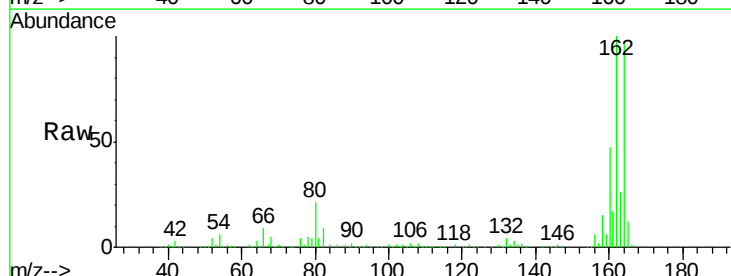


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

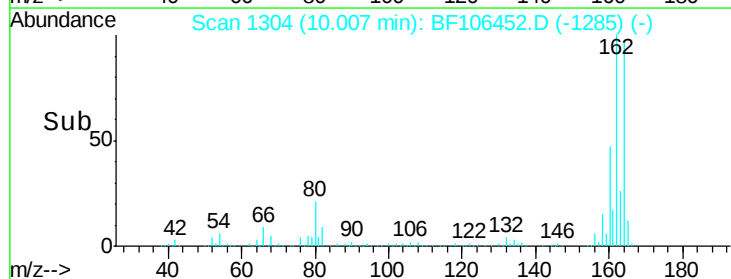
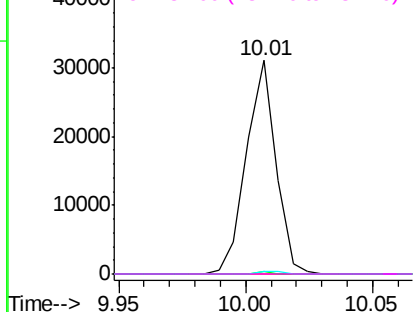


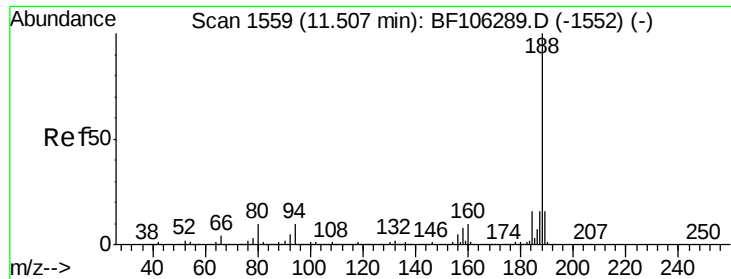
#56  
2,4-Dinitrotoluene  
Concen: 7.133 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. -0.19 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Tgt Ion:165 Resp: 25342  
Ion Ratio Lower Upper  
165 100  
63 1.1 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

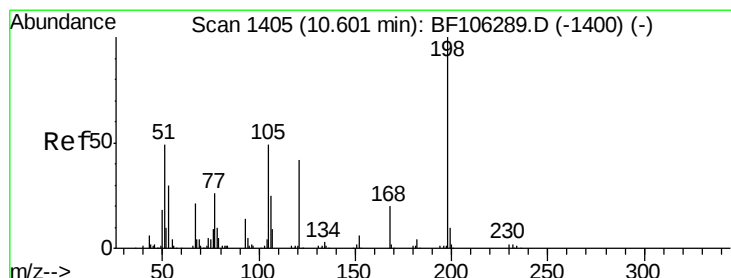
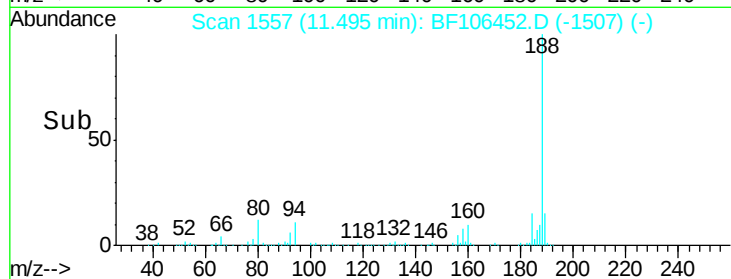
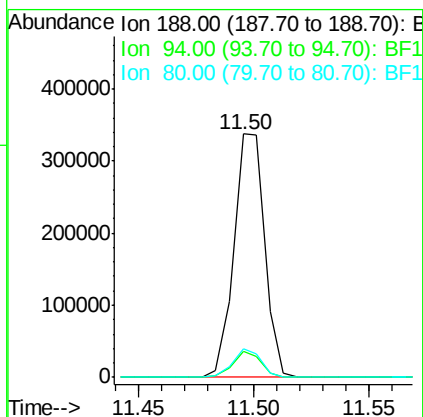
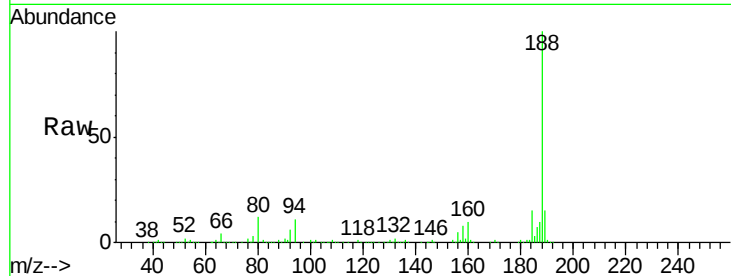




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

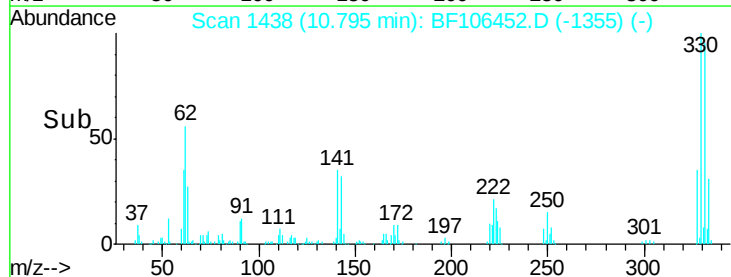
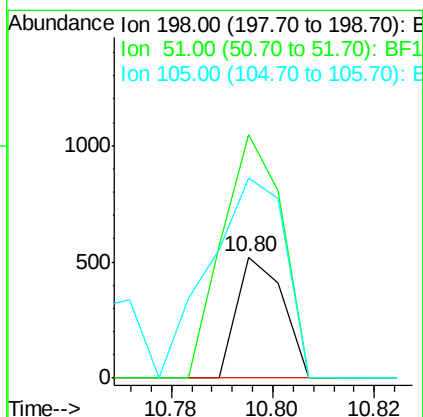
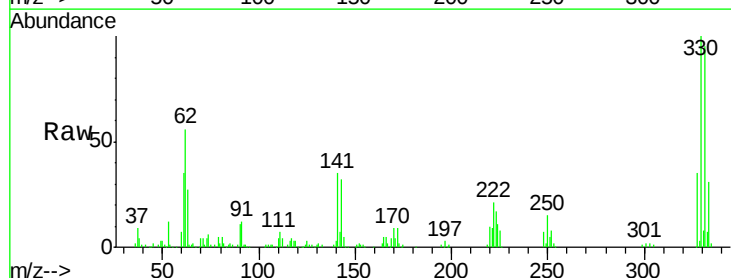
Instrument :  
BNA\_F  
ClientSampleId :  
TP-E-S

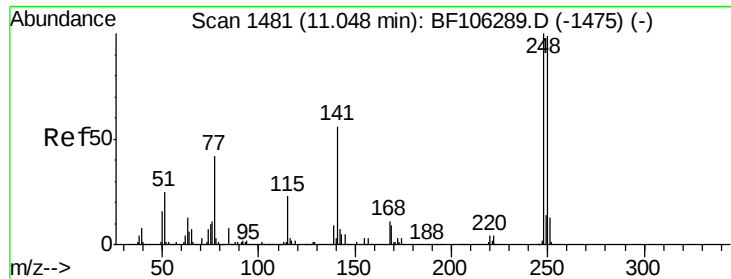
Tgt Ion:188 Resp: 313337  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.5 12.7  
80 11.9 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 6.463 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. 0.19 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Tgt Ion:198 Resp: 327  
Ion Ratio Lower Upper  
198 100  
51 201.0 37.7 77.7#  
105 165.6 36.3 76.3#

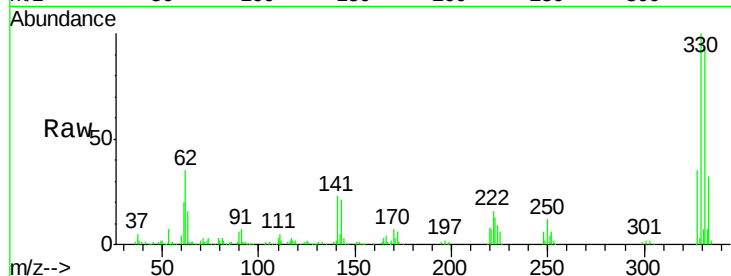




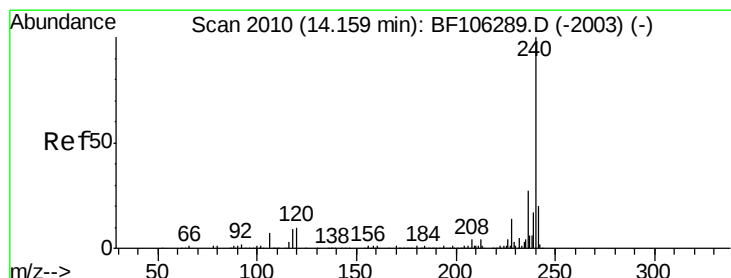
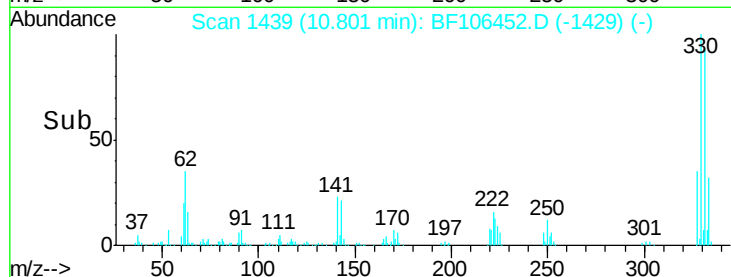
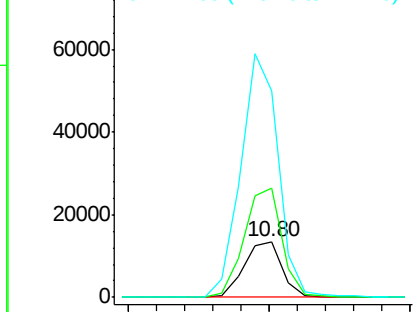
#66  
4-Bromophenyl-phenylether  
Concen: 3.487 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. -0.24 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
TP-E-S

Tgt Ion:248 Resp: 12427  
Ion Ratio Lower Upper  
248 100  
250 194.7 76.9 115.3#  
141 368.7 74.4 111.6#

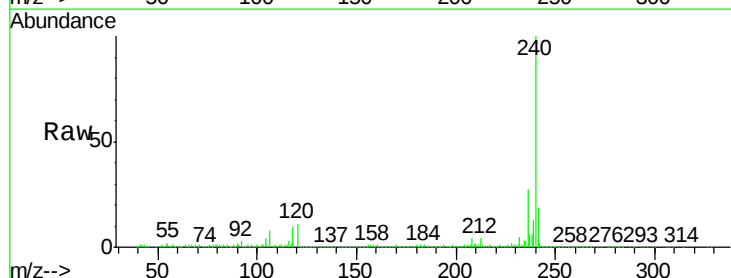


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

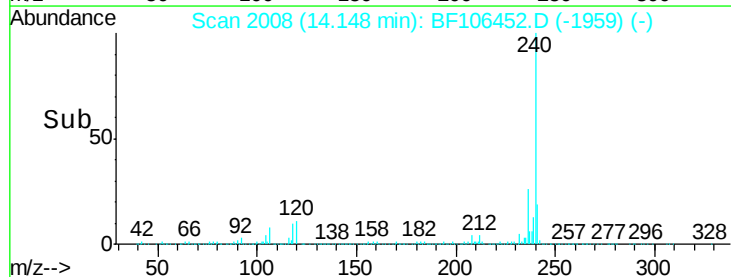
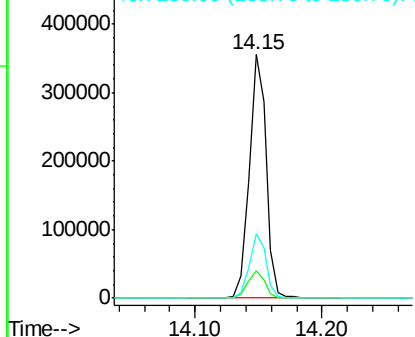


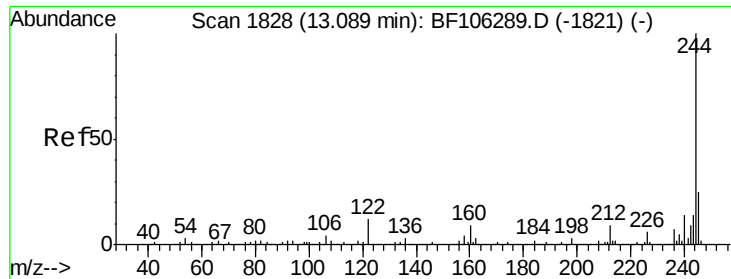
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF106452.D  
Acq: 14 Jun 2018 19:44

Tgt Ion:240 Resp: 327984  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.5 14.3  
236 26.6 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: 67.037 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

Instrument :

BNA\_F

ClientSampleId :

TP-E-S

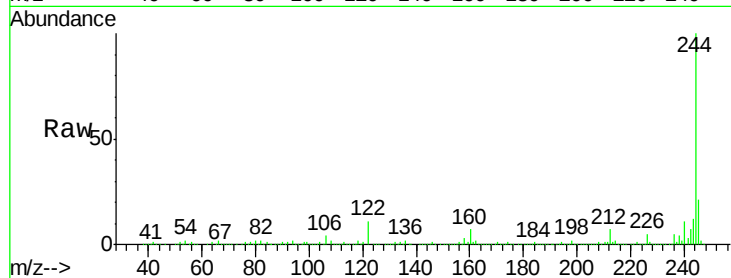
Tgt Ion:244 Resp: 885228

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

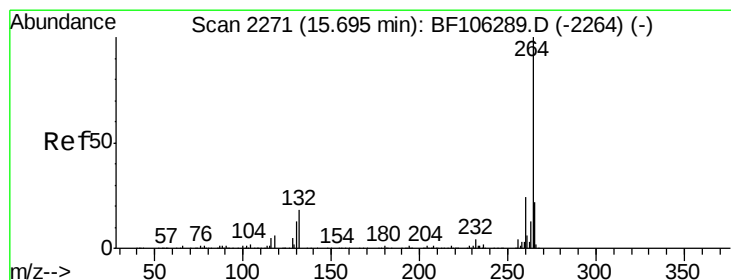
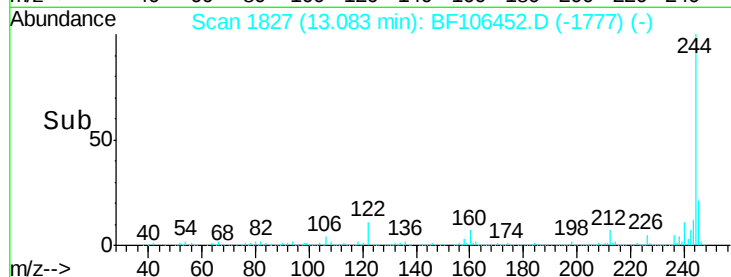
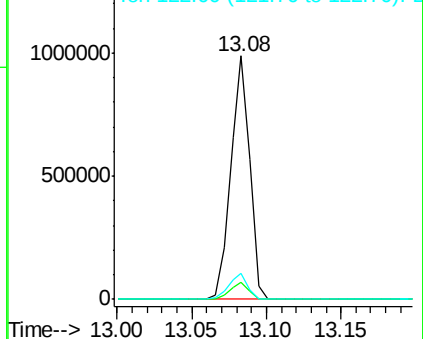
122 10.6 11.0 16.4#



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: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF106452.D

Acq: 14 Jun 2018 19:44

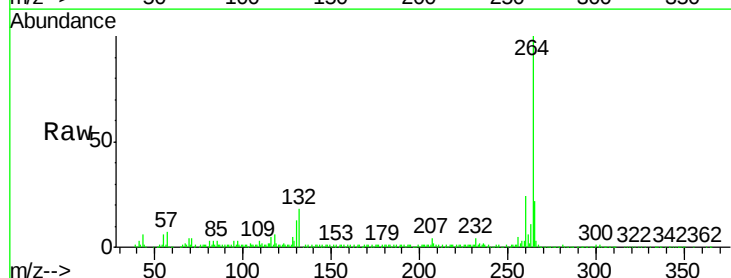
Tgt Ion:264 Resp: 230165

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.9 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

