

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111816\  
 Data File : BF091242.D  
 Acq On : 18 Nov 2016 19:29  
 Operator : UM/SJ  
 Sample : H5700-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V001-BF020-01

Quant Time: Nov 18 22:01:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

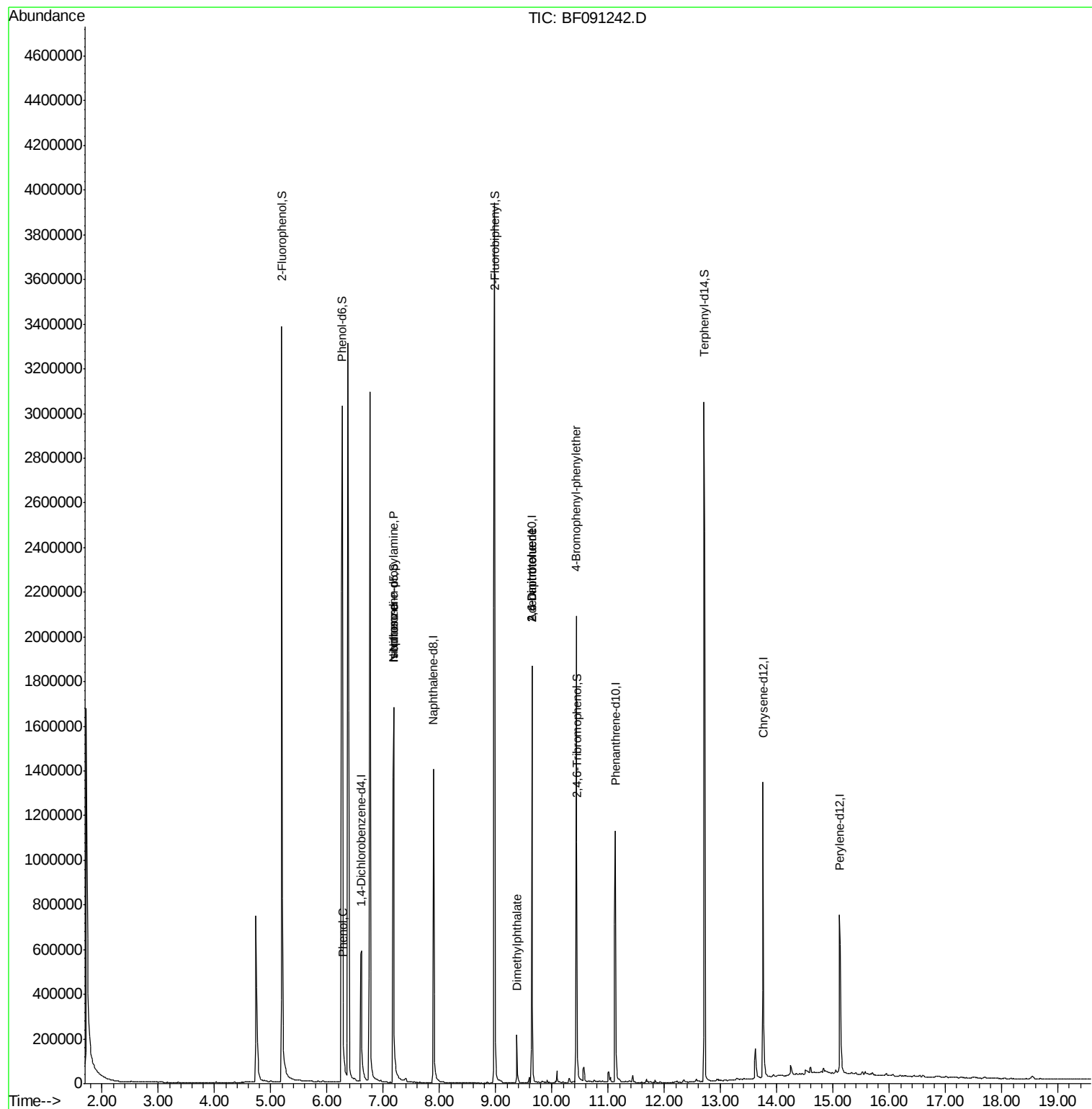
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.61  | 152  | 160454   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 7.89  | 136  | 712969   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 381630   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 11.13 | 188  | 589062   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 13.76 | 240  | 535892   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12               | 15.12 | 264  | 394407   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1069524  | 110.09 | ng    | -0.05    |
| 7) Phenol-d6                   | 6.27  | 99   | 1513642  | 114.78 | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.18  | 82   | 938409   | 71.80  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 10.44 | 330  | 377349   | 109.37 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1517528  | 68.46  | ng    | -0.06    |
| 78) Terphenyl-d14              | 12.71 | 244  | 1452418  | 67.63  | ng    | -0.06    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.28  | 94   | 80921    | 5.54   | ng    | # 57     |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 124533   | 13.63  | ng    | # 72     |
| 25) Isophorone                 | 7.18  | 82   | 927786   | 36.84  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.38  | 163  | 95580    | 3.82   | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.64  | 165  | 49253    | 9.18   | ng    | # 11     |
| 56) 2,4-Dinitrotoluene         | 9.64  | 165  | 49255    | 7.22   | ng    | # 26     |
| 66) 4-Bromophenyl-phenylether  | 10.43 | 248  | 22272    | 3.63   | ng    | # 1      |

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

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BNA\_F  
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V001-BF020-01

Quant Time: Nov 18 22:01:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 12:59:29 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Instrument :

BNA\_F

ClientSampleId :

V001-BF020-01

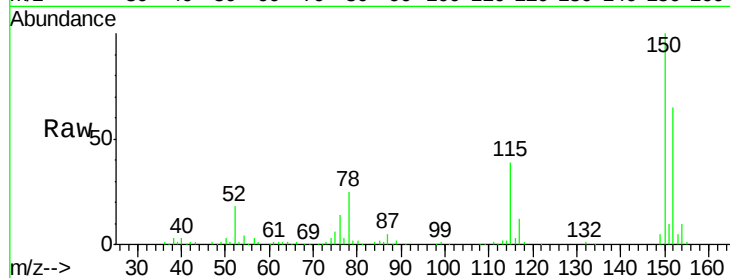
Tgt Ion:152 Resp: 160454

Ion Ratio Lower Upper

152 100

150 154.2 126.8 190.2

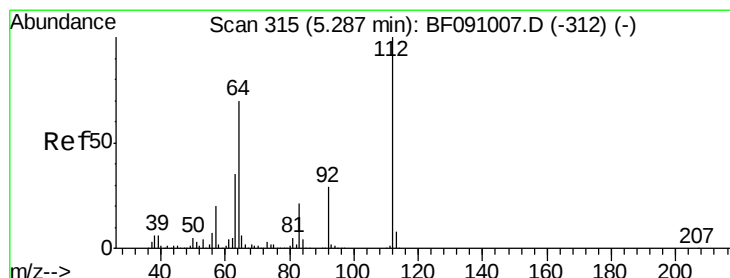
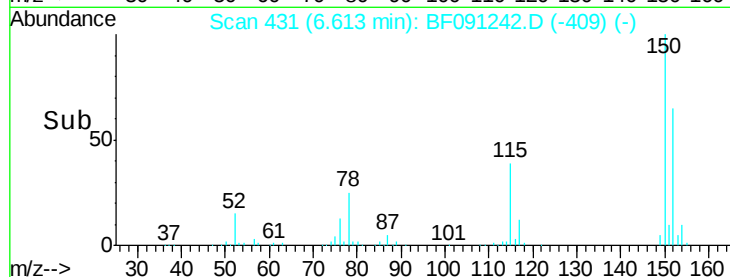
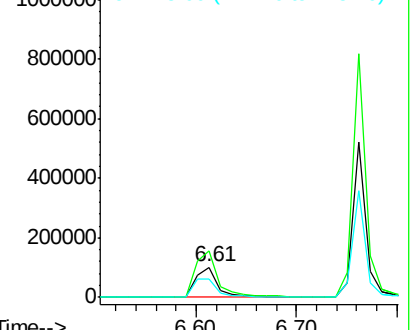
115 60.1 53.3 79.9



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: 110.09 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

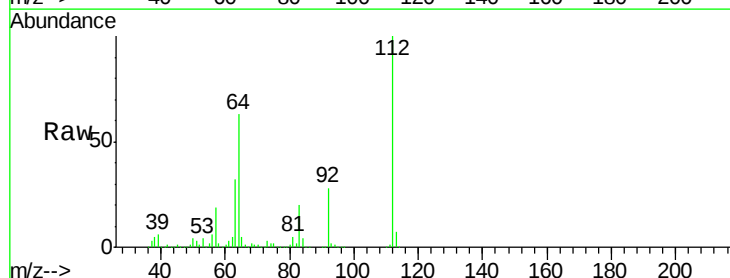
Tgt Ion:112 Resp: 1069524

Ion Ratio Lower Upper

112 100

64 62.7 55.8 83.6

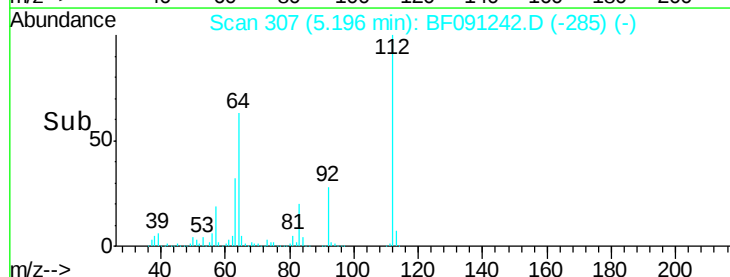
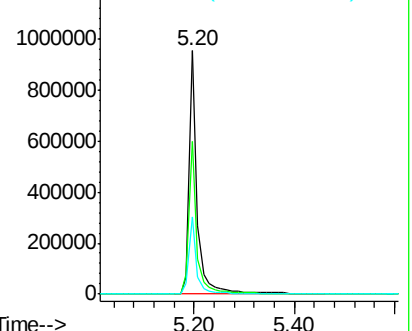
63 31.9 28.0 42.0

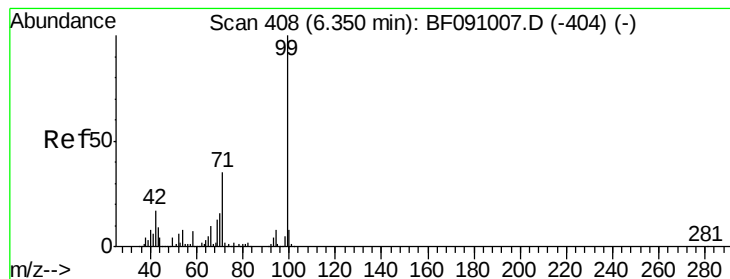


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.78 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Instrument :

BNA\_F

ClientSampleId :

V001-BF020-01

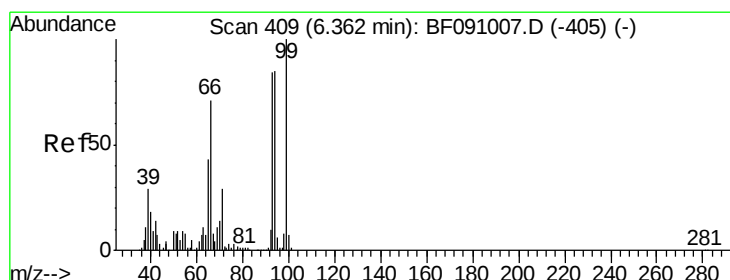
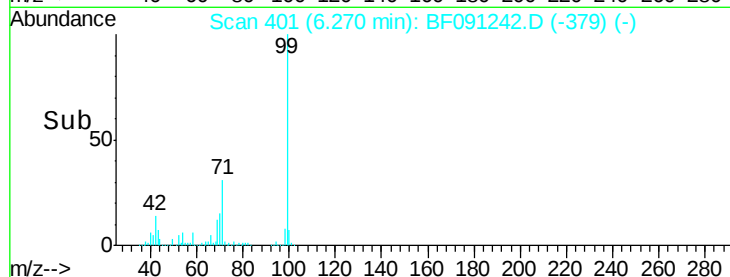
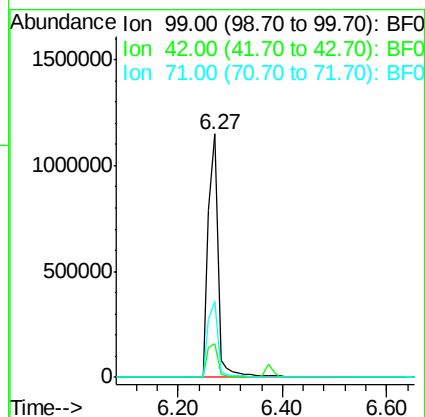
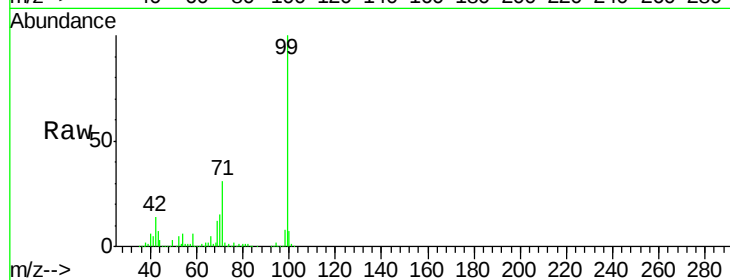
Tgt Ion: 99 Resp: 1513642

Ion Ratio Lower Upper

99 100

42 13.7 13.9 20.9#

71 31.1 27.8 41.8



#10

Phenol

Concen: 5.54 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

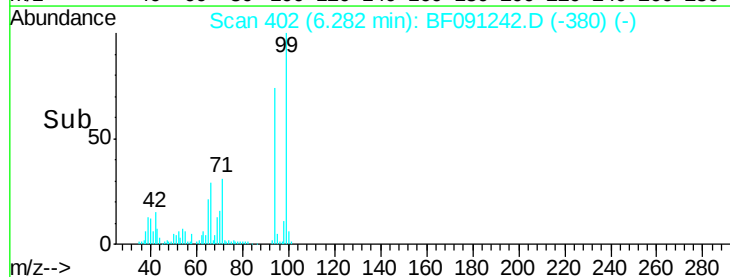
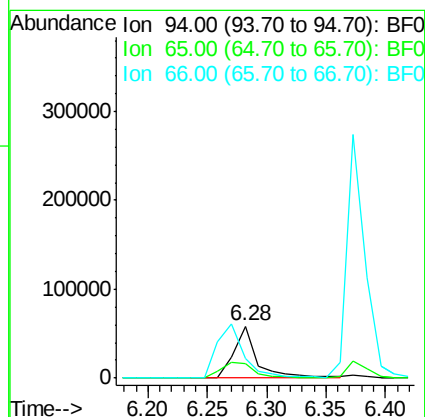
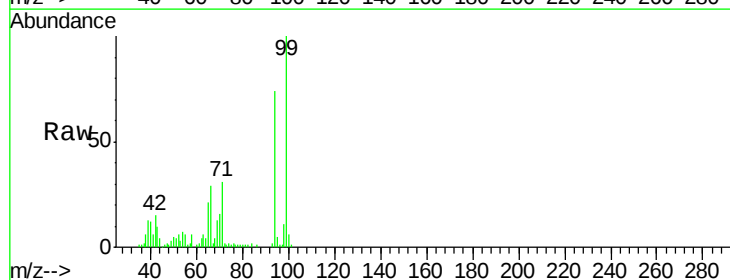
Tgt Ion: 94 Resp: 80921

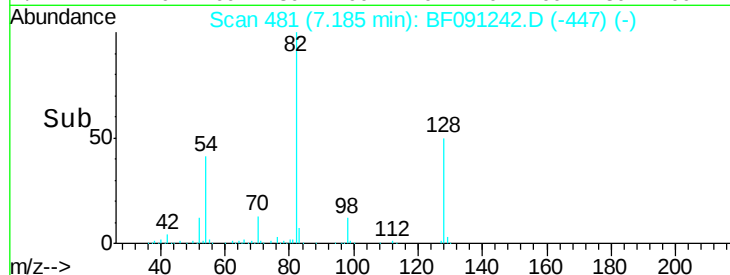
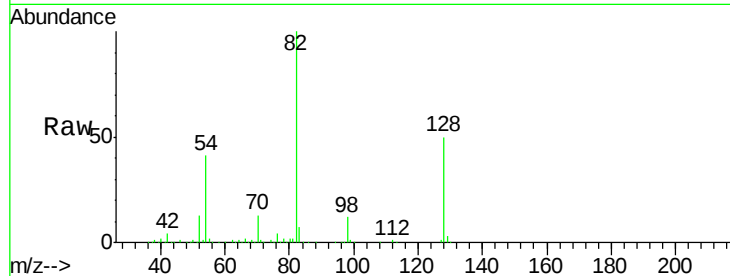
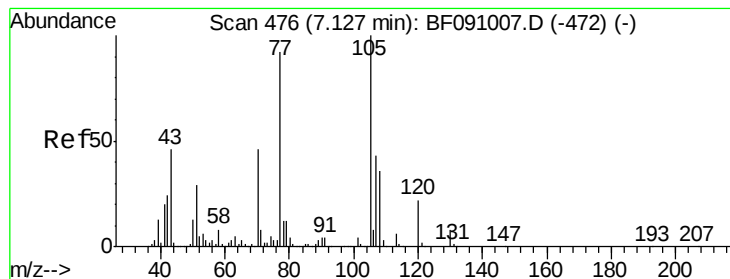
Ion Ratio Lower Upper

94 100

65 27.6 30.4 70.4#

66 38.7 62.9 102.9#





#19

n-Nitroso-di-n-propylamine

Concen: 13.63 ng

RT: 7.18 min Scan# 481

Delta R.T. 0.09 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Instrument :

BNA\_F

ClientSampleId :

V001-BF020-01

Tgt Ion: 70 Resp: 124533

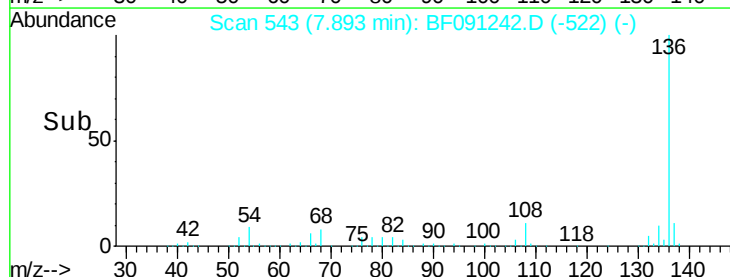
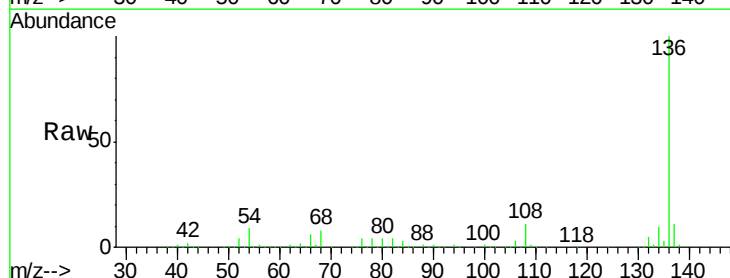
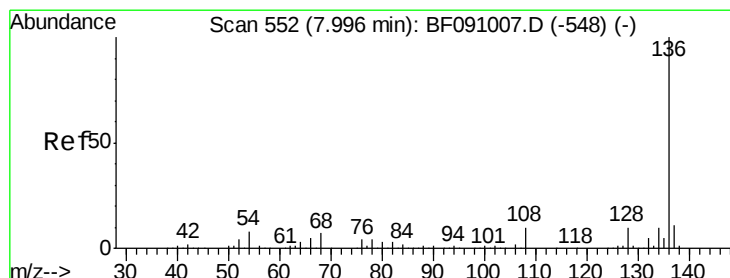
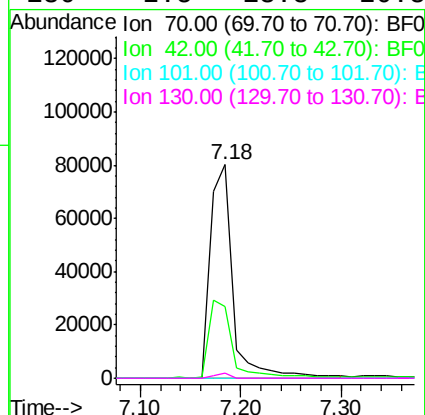
Ion Ratio Lower Upper

70 100

42 33.6 41.7 62.5#

101 0.0 6.7 10.1#

130 2.5 13.8 20.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.89 min Scan# 543

Delta R.T. -0.06 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Tgt Ion: 136 Resp: 712969

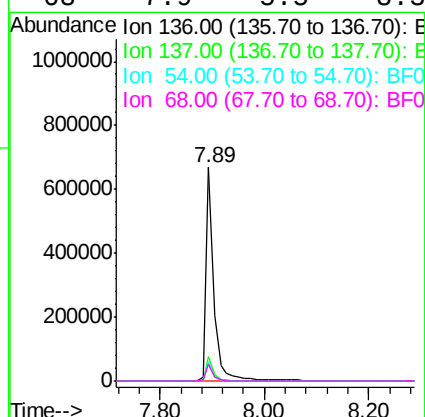
Ion Ratio Lower Upper

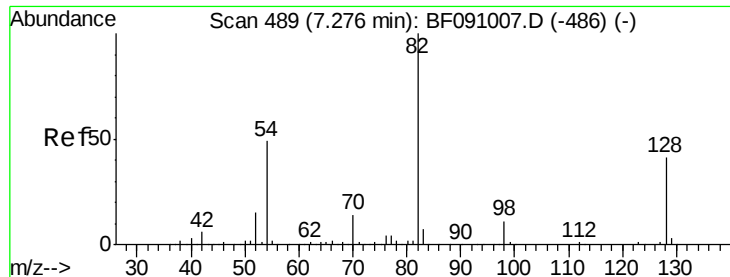
136 100

137 11.4 8.9 13.3

54 9.0 6.2 9.2

68 7.9 5.5 8.3

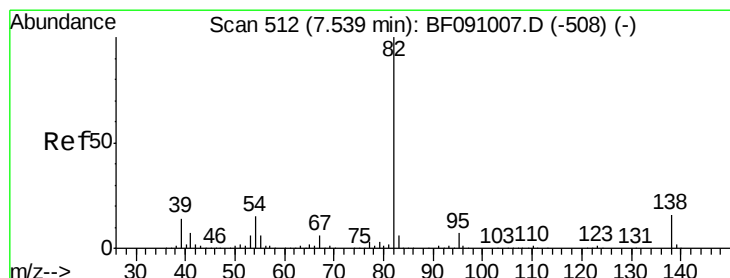
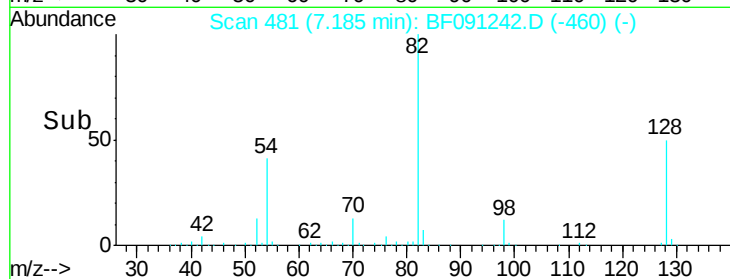
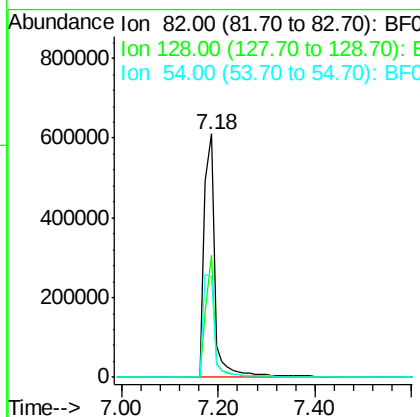
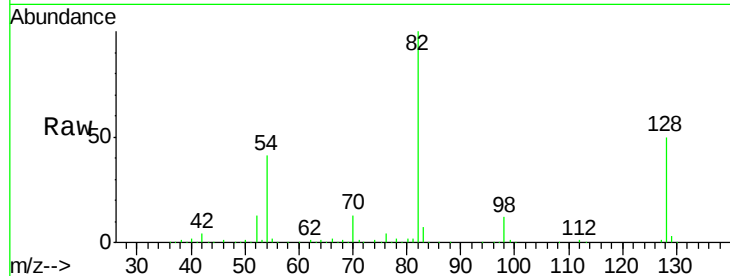




#23  
 Nitrobenzene-d5  
 Concen: 71.80 ng  
 RT: 7.18 min Scan# 481  
 Delta R.T. -0.06 min  
 Lab File: BF091242.D  
 Acq: 18 Nov 2016 19:29

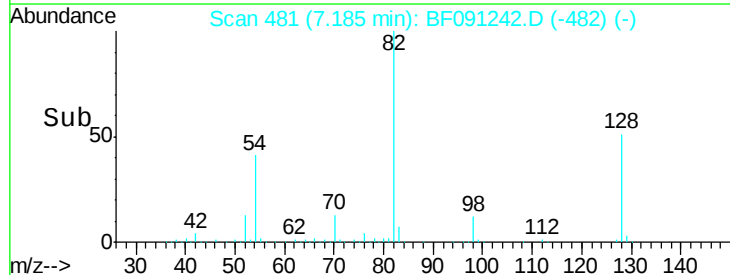
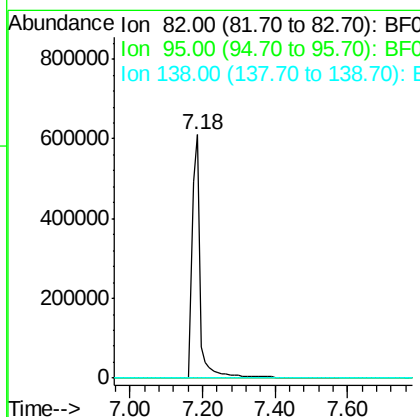
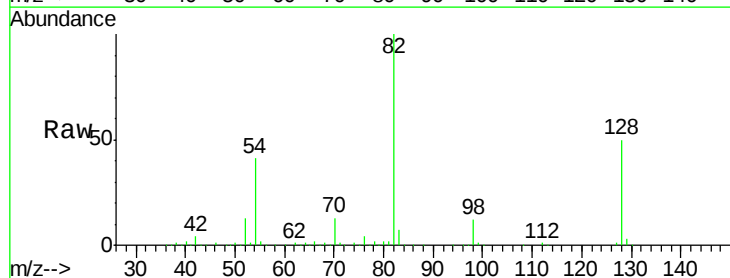
Instrument :  
 BNA\_F  
 ClientSampleId :  
 V001-BF020-01

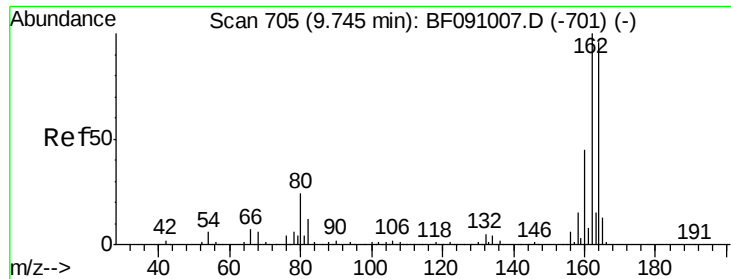
Tgt Ion: 82 Resp: 938409  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 32.4 48.6#  
 54 41.4 39.2 58.8



#25  
 Isophorone  
 Concen: 36.84 ng  
 RT: 7.18 min Scan# 481  
 Delta R.T. -0.31 min  
 Lab File: BF091242.D  
 Acq: 18 Nov 2016 19:29

Tgt Ion: 82 Resp: 927786  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.0#  
 138 0.0 13.0 19.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 696

Delta R.T. -0.06 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Instrument :

BNA\_F

ClientSampleId :

V001-BF020-01

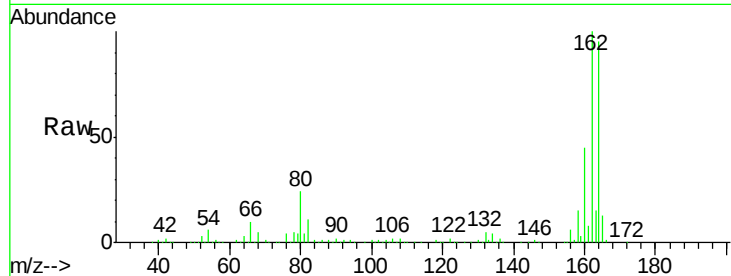
Tgt Ion:164 Resp: 381630

Ion Ratio Lower Upper

164 100

162 105.6 83.6 125.4

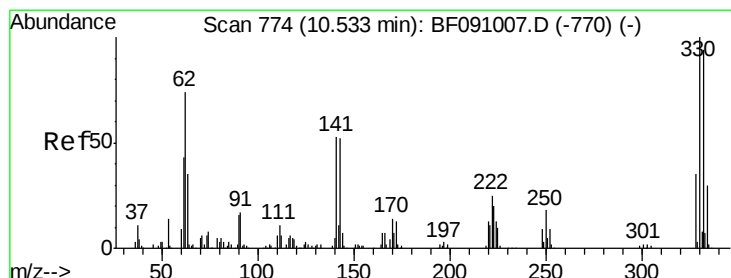
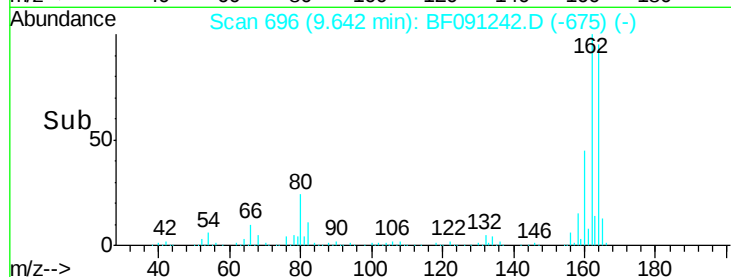
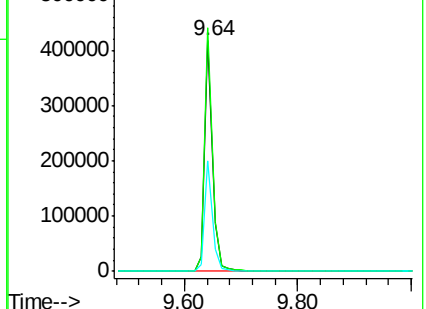
160 48.0 37.9 56.9



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: 109.37 ng

RT: 10.44 min Scan# 766

Delta R.T. -0.05 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

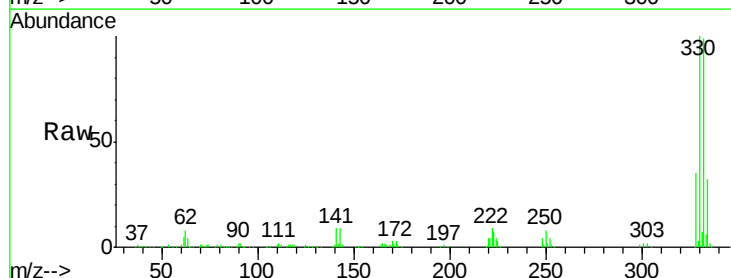
Tgt Ion:330 Resp: 377349

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

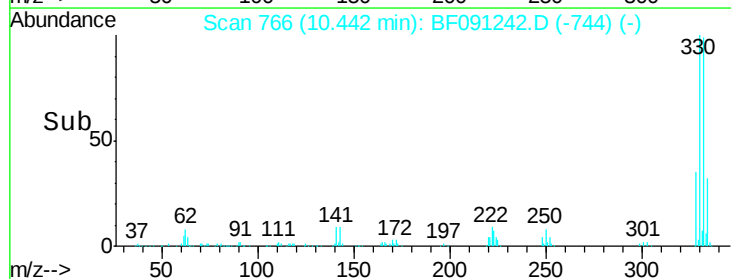
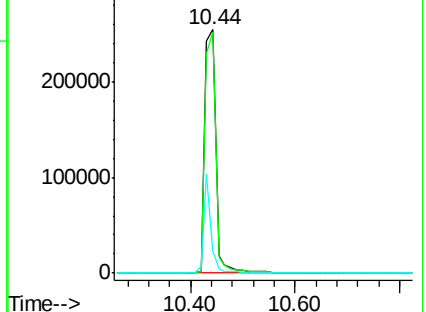
141 26.8 36.1 54.1#

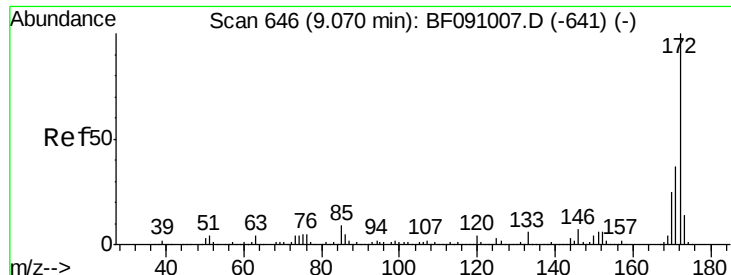


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

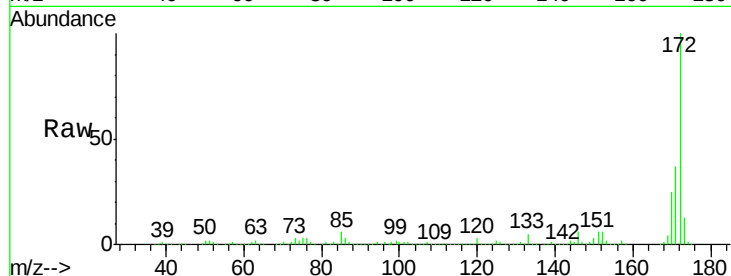




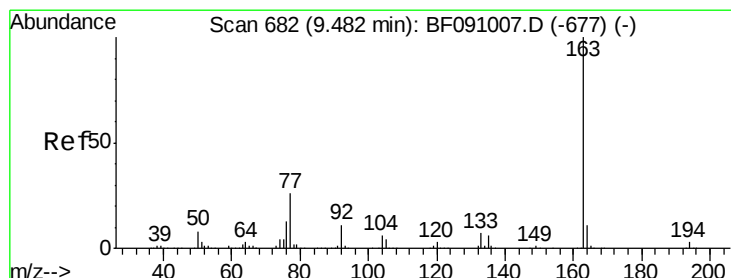
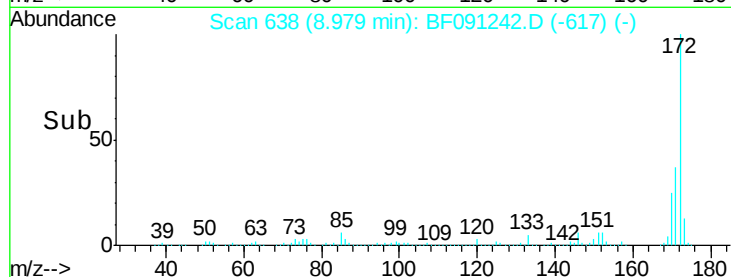
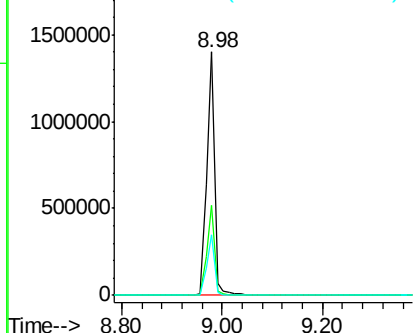
#44  
 2-Fluorobiphenyl  
 Concen: 68.46 ng  
 RT: 8.98 min Scan# 638  
 Delta R.T. -0.06 min  
 Lab File: BF091242.D  
 Acq: 18 Nov 2016 19:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 V001-BF020-01

Tgt Ion:172 Resp: 1517528  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.8 44.6  
 170 25.0 20.3 30.5

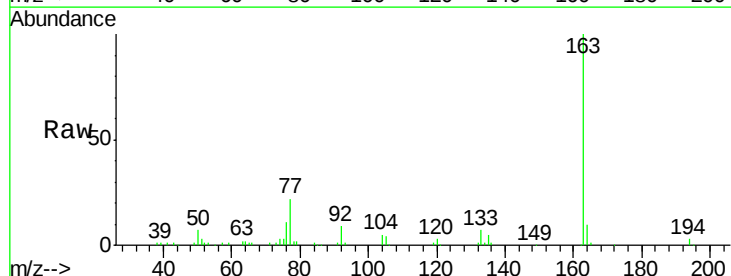


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

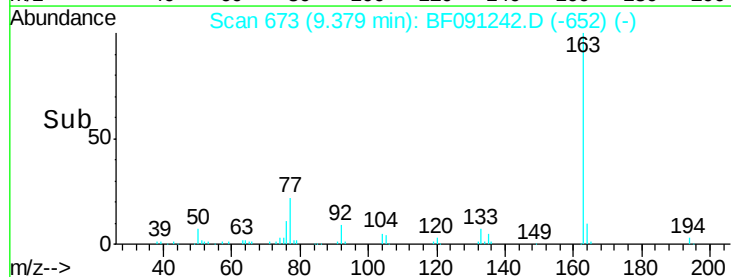
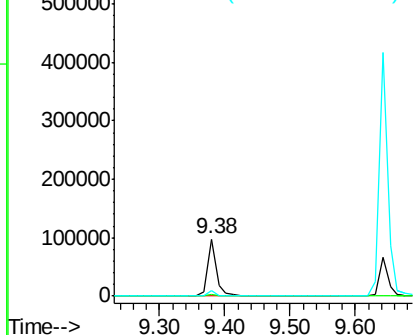


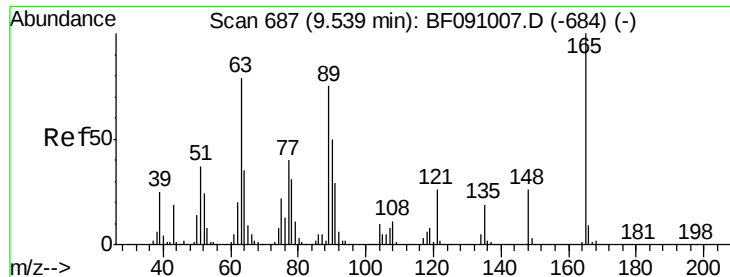
#49  
 Dimethylphthalate  
 Concen: 3.82 ng  
 RT: 9.38 min Scan# 673  
 Delta R.T. -0.06 min  
 Lab File: BF091242.D  
 Acq: 18 Nov 2016 19:29

Tgt Ion:163 Resp: 95580  
 Ion Ratio Lower Upper  
 163 100  
 194 3.0 2.6 4.0  
 164 9.9 8.7 13.1



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

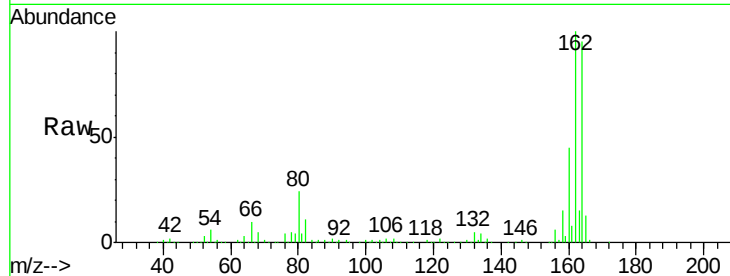




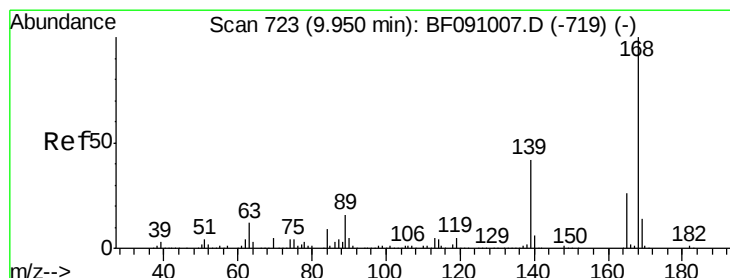
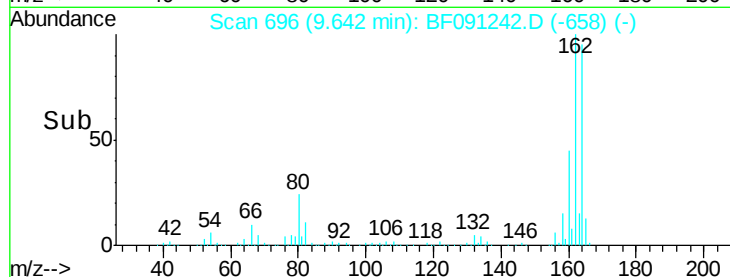
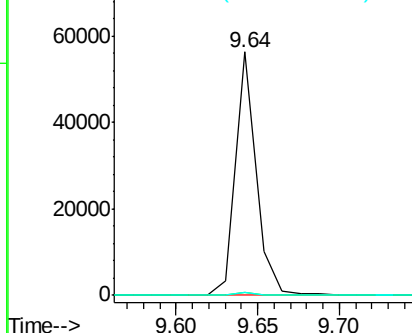
#50  
2,6-Dinitrotoluene  
Concen: 9.18 ng  
RT: 9.64 min Scan# 696  
Delta R.T. 0.14 min  
Lab File: BF091242.D  
Acq: 18 Nov 2016 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
V001-BF020-01

Tgt Ion:165 Resp: 49253  
Ion Ratio Lower Upper  
165 100  
63 1.0 65.6 98.4#  
89 1.1 59.8 89.6#

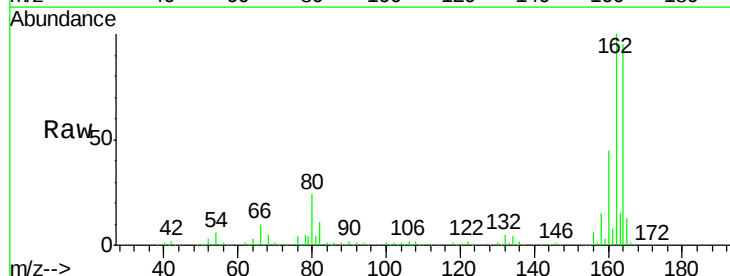


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

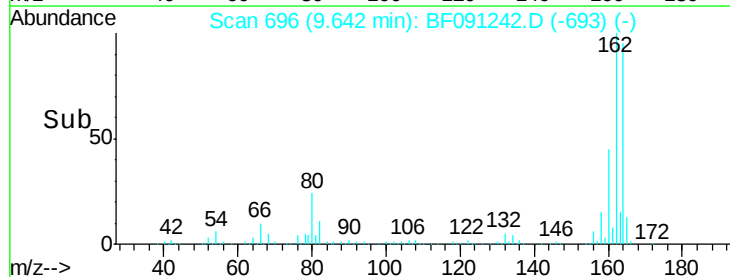
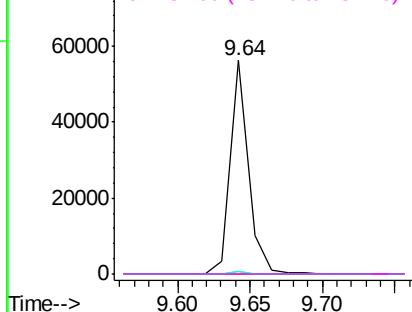


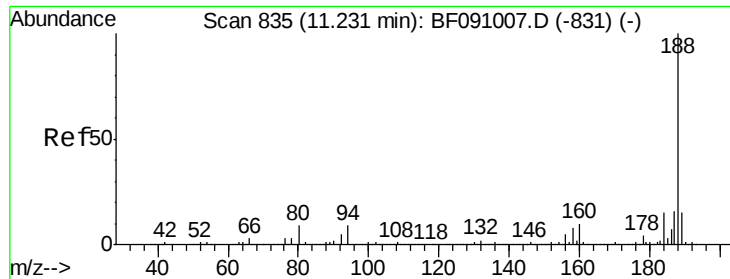
#56  
2,4-Dinitrotoluene  
Concen: 7.22 ng  
RT: 9.64 min Scan# 696  
Delta R.T. -0.26 min  
Lab File: BF091242.D  
Acq: 18 Nov 2016 19:29

Tgt Ion:165 Resp: 49255  
Ion Ratio Lower Upper  
165 100  
63 1.0 38.7 58.1#  
89 1.1 50.6 76.0#  
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

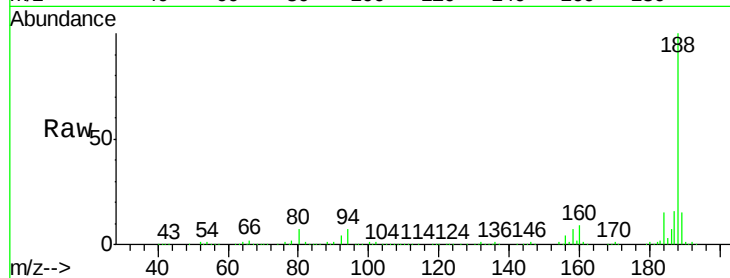




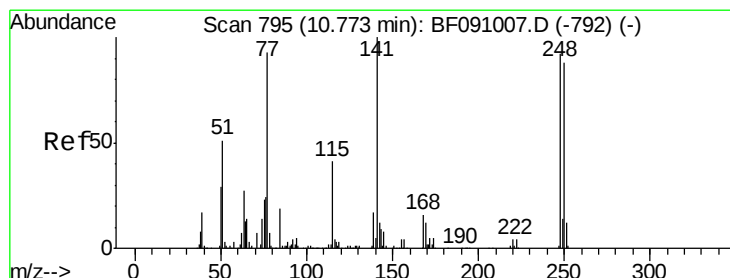
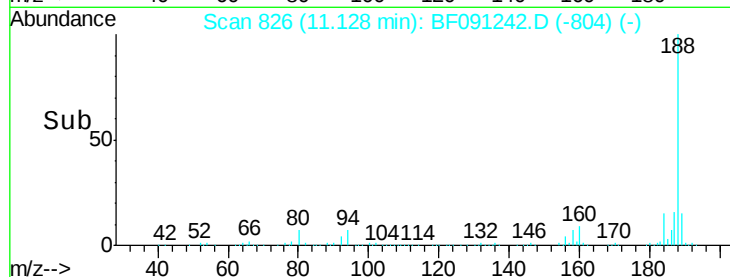
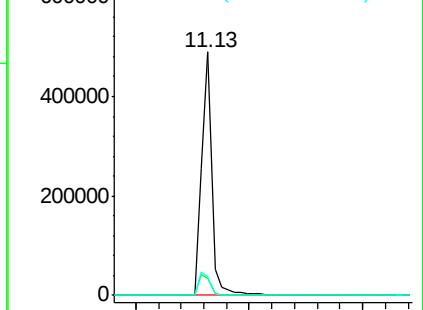
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 826  
Delta R.T. -0.05 min  
Lab File: BF091242.D  
Acq: 18 Nov 2016 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
V001-BF020-01

Tgt Ion:188 Resp: 589062  
Ion Ratio Lower Upper  
188 100  
94 6.9 7.0 10.4#  
80 7.5 7.5 11.3#

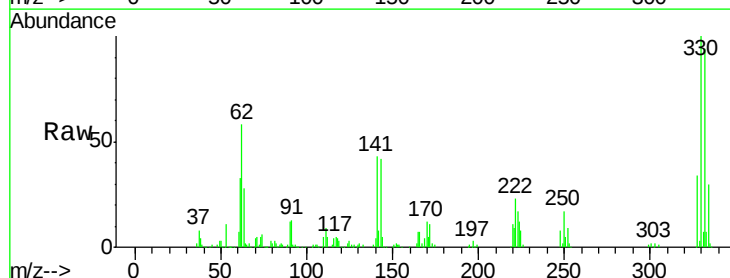


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

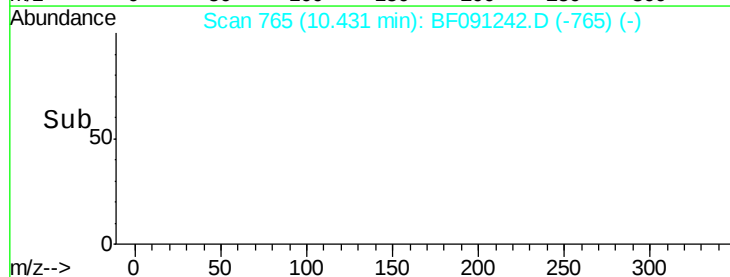
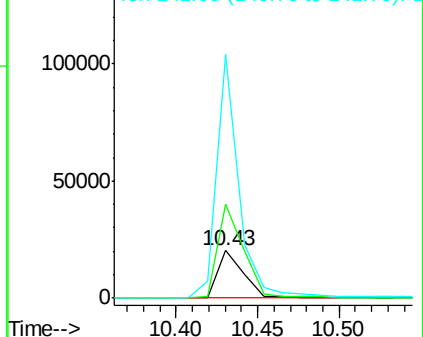


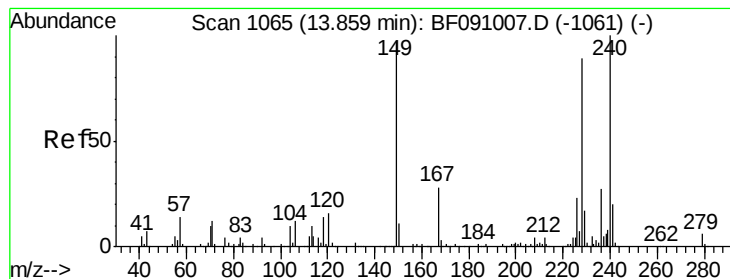
#66  
4-Bromophenyl-phenylether  
Concen: 3.63 ng  
RT: 10.43 min Scan# 765  
Delta R.T. -0.30 min  
Lab File: BF091242.D  
Acq: 18 Nov 2016 19:29

Tgt Ion:248 Resp: 22272  
Ion Ratio Lower Upper  
248 100  
250 198.4 76.3 114.5#  
141 511.5 86.8 130.2#



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: 20.00 ng

RT: 13.76 min Scan# 1056

Delta R.T. -0.06 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

Instrument :

BNA\_F

ClientSampleId :

V001-BF020-01

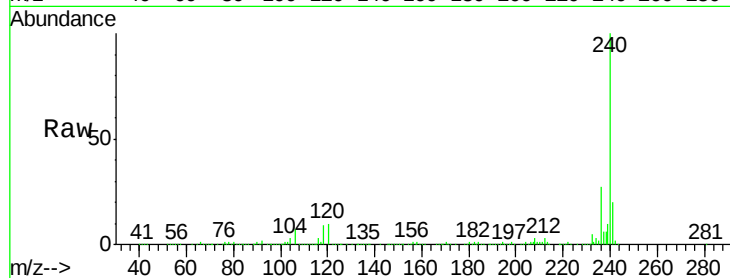
Tgt Ion:240 Resp: 535892

Ion Ratio Lower Upper

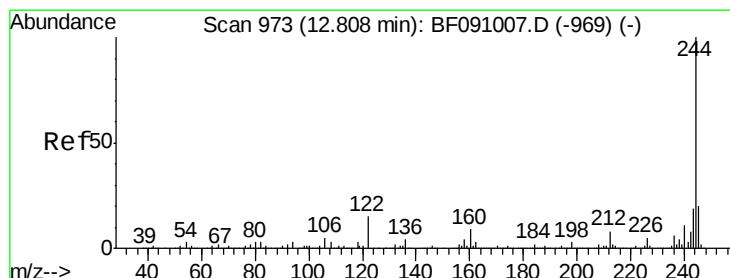
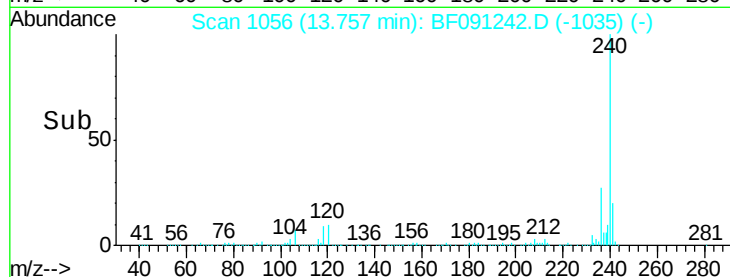
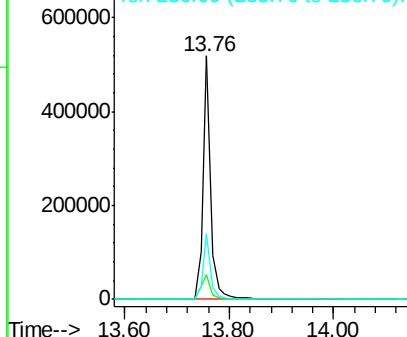
240 100

120 10.0 12.9 19.3#

236 26.8 21.9 32.9



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: 67.63 ng

RT: 12.71 min Scan# 964

Delta R.T. -0.06 min

Lab File: BF091242.D

Acq: 18 Nov 2016 19:29

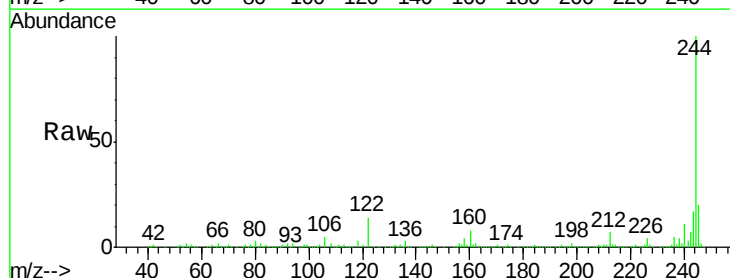
Tgt Ion:244 Resp: 1452418

Ion Ratio Lower Upper

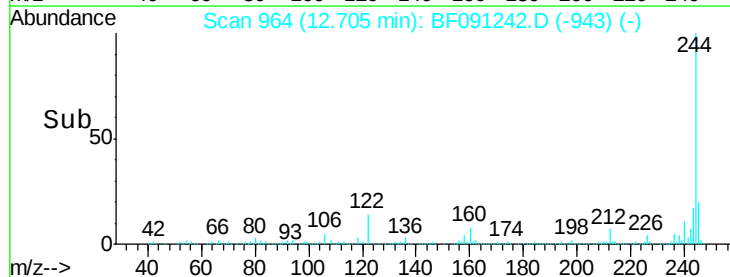
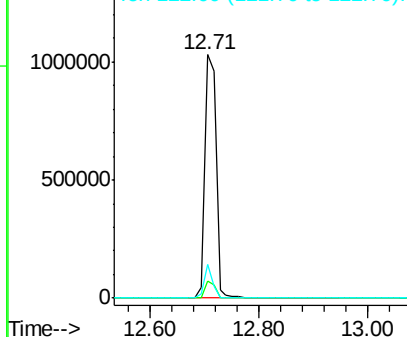
244 100

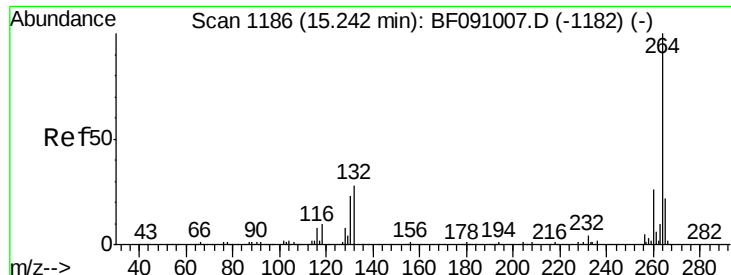
212 7.1 6.4 9.6

122 14.1 12.3 18.5



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: 20.00 ng  
RT: 15.12 min Scan# 1175  
Delta R.T. -0.07 min  
Lab File: BF091242.D  
Acq: 18 Nov 2016 19:29

Instrument :  
BNA\_F  
ClientSampleId :  
V001-BF020-01

Tgt Ion: 264 Resp: 394407  
Ion Ratio Lower Upper  
264 100  
260 24.8 20.6 30.8  
265 22.4 17.8 26.8

