

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111616\  
 Data File : BF091205.D  
 Acq On : 16 Nov 2016 23:06  
 Operator : UM/SJ  
 Sample : H5657-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-AA8-AA9-AA8A-AA9A

Quant Time: Nov 16 23:57:26 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

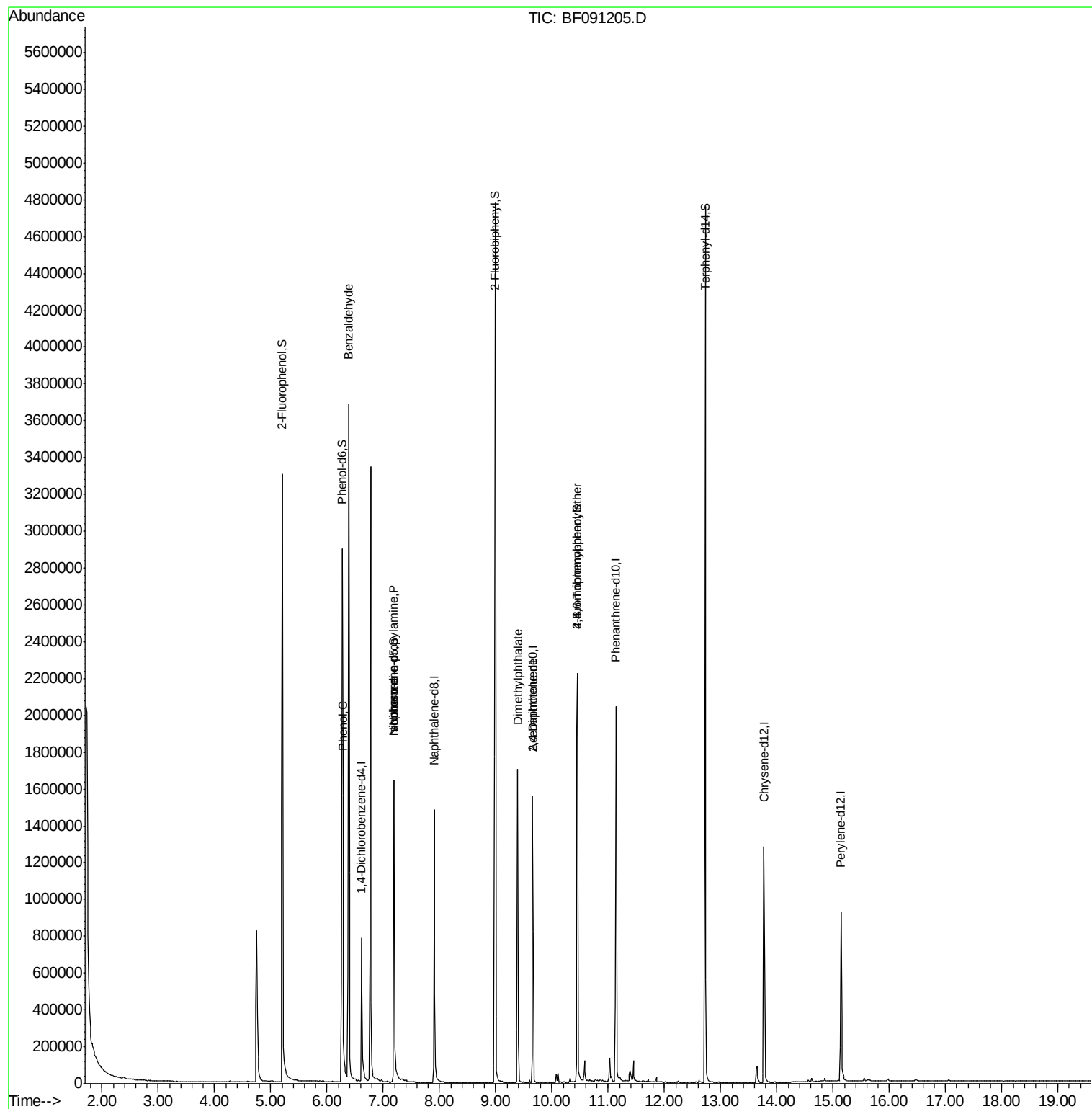
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.61  | 152  | 175630   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 7.90  | 136  | 773525   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.65  | 164  | 402105   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.14 | 188  | 748569   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 13.77 | 240  | 553880   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 15.14 | 264  | 395838   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.21  | 112  | 1173535  | 110.35 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.27  | 99   | 1399663  | 96.97  | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.18  | 82   | 948552   | 66.89  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 10.45 | 330  | 422434   | 116.20 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 8.99  | 172  | 1630183  | 69.80  | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.73 | 244  | 1555030  | 70.06  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 9) Benzaldehyde                | 6.38  | 77   | 25896    | 3.23   | ng    | 85       |
| 10) Phenol                     | 6.28  | 94   | 64813    | 4.06   | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 125424   | 12.54  | ng    | # 80     |
| 25) Isophorone                 | 7.18  | 82   | 916785   | 33.55  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.39  | 163  | 676324   | 25.65  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.65  | 165  | 52076    | 7.24   | ng    | # 26     |
| 66) 4-Bromophenyl-phenylether  | 10.45 | 248  | 27489    | 3.53   | ng    | # 1      |

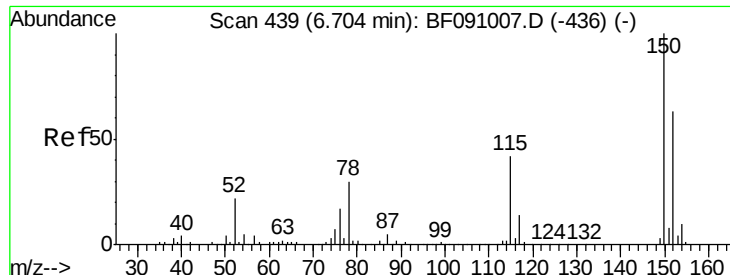
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111616\  
Data File : BF091205.D  
Acq On : 16 Nov 2016 23:06  
Operator : UM/SJ  
Sample : H5657-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-AA8-AA9-AA8A-AA9A

Quant Time: Nov 16 23:57:26 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: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

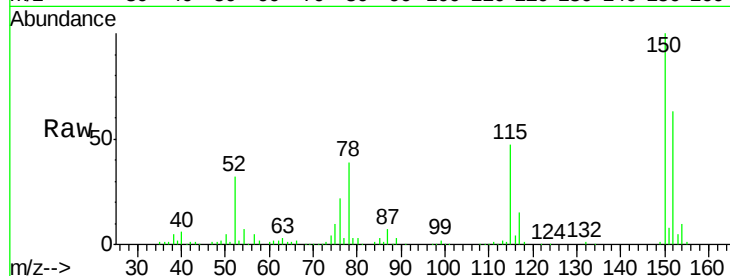
Tgt Ion:152 Resp: 175630

Ion Ratio Lower Upper

152 100

150 159.2 126.8 190.2

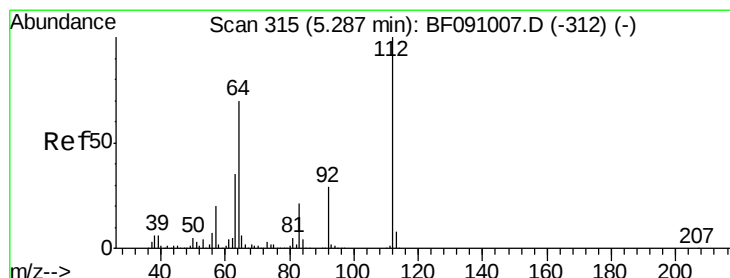
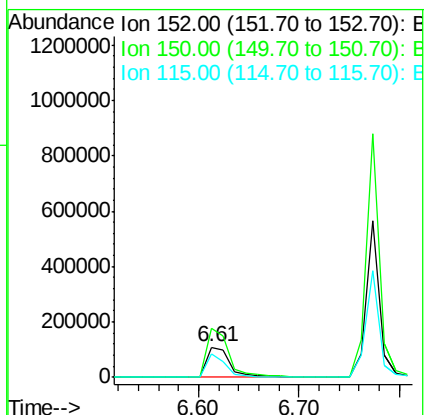
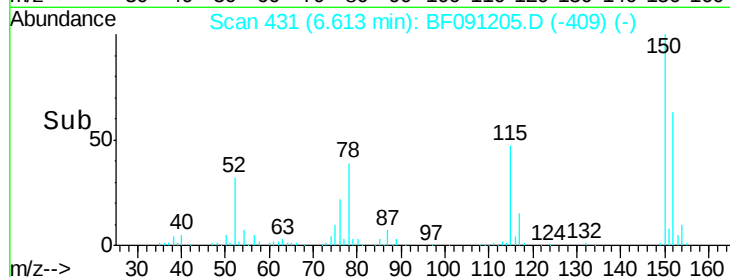
115 75.6 53.3 79.9



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: 110.35 ng

RT: 5.21 min Scan# 308

Delta R.T. -0.03 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

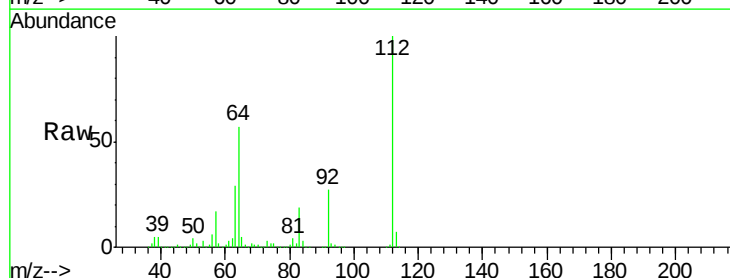
Tgt Ion:112 Resp: 1173535

Ion Ratio Lower Upper

112 100

64 56.8 55.8 83.6

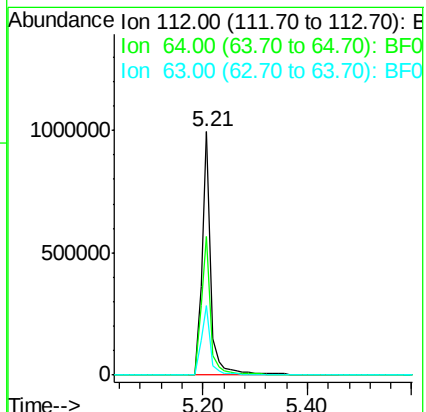
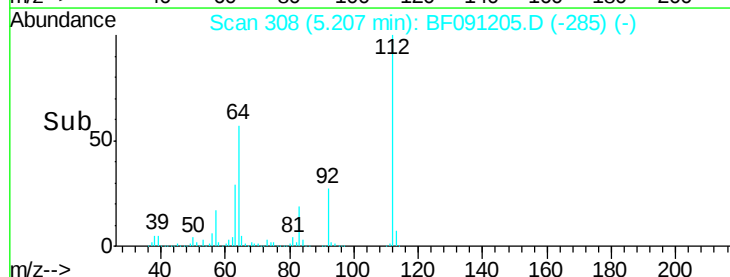
63 28.7 28.0 42.0



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: 96.97 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

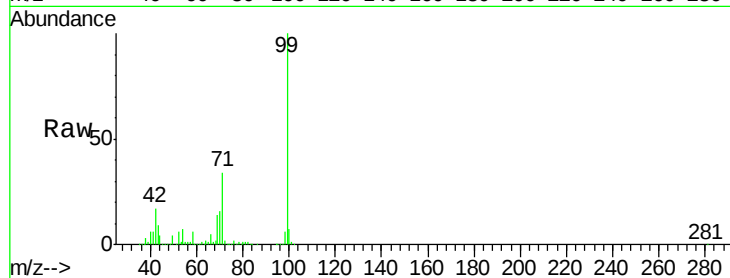
Tgt Ion: 99 Resp: 1399663

Ion Ratio Lower Upper

99 100

42 16.9 13.9 20.9

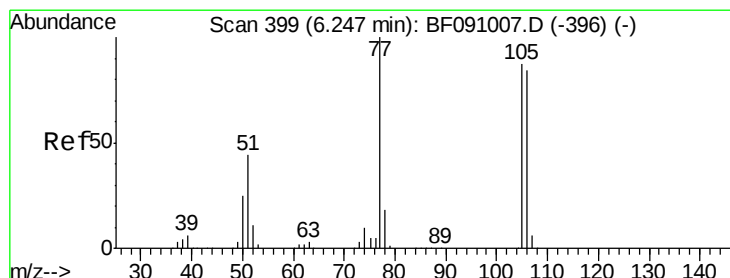
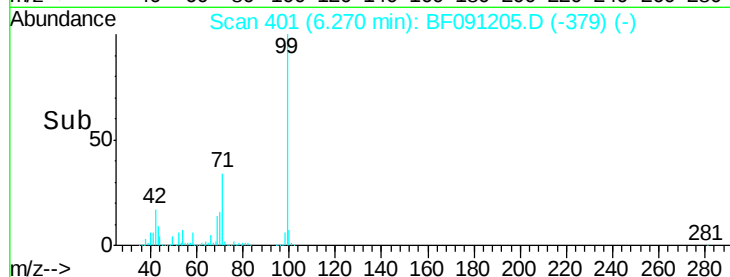
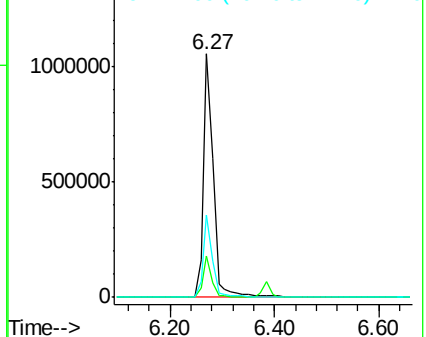
71 34.0 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.23 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

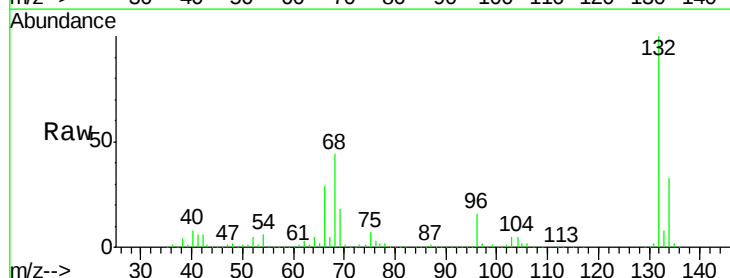
Tgt Ion: 77 Resp: 25896

Ion Ratio Lower Upper

77 100

105 78.0 66.8 106.8

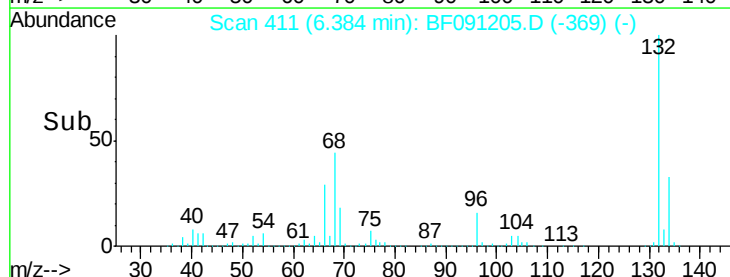
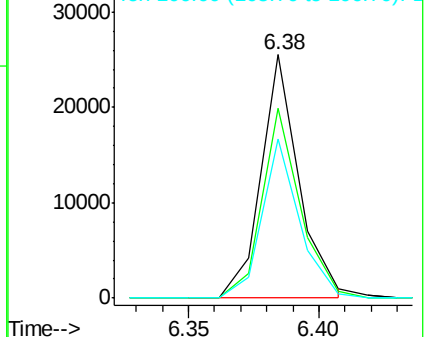
106 65.5 64.0 104.0

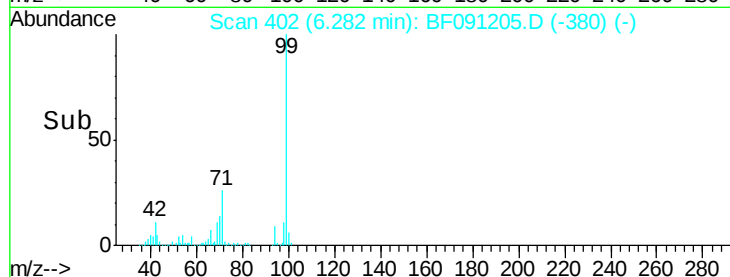
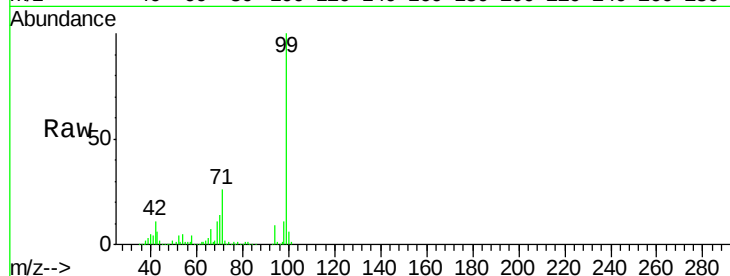
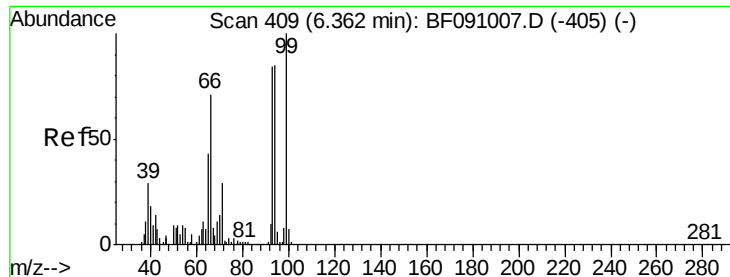


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.06 ng

RT: 6.28 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

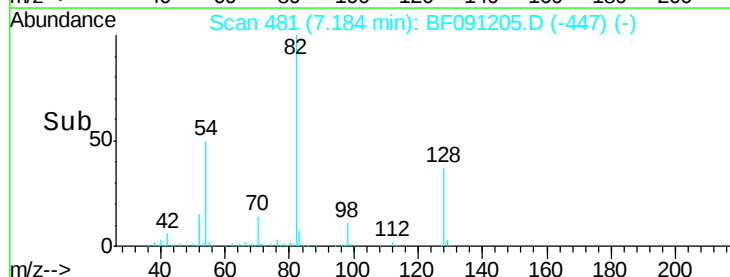
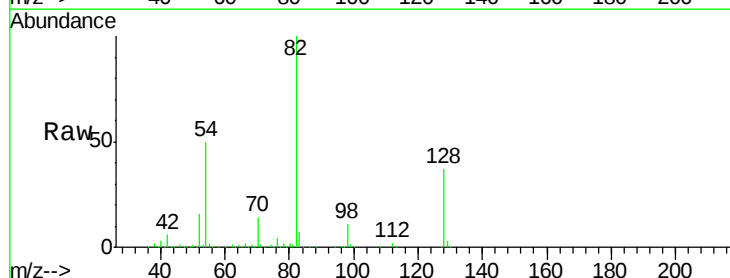
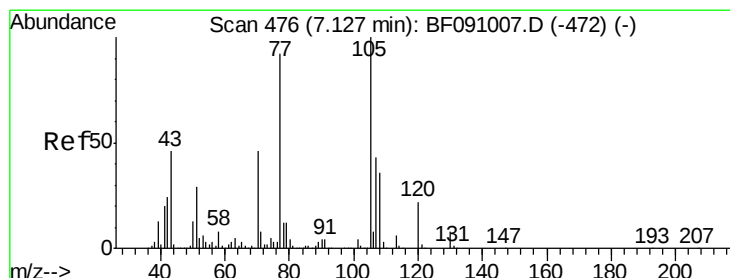
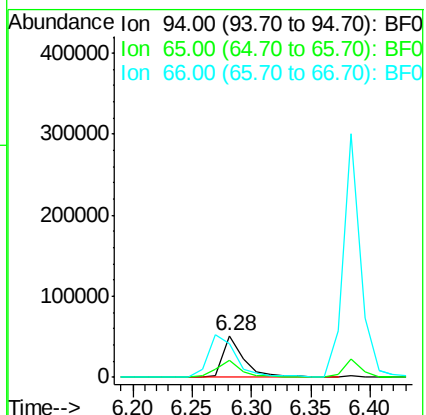
Tgt Ion: 94 Resp: 64813

Ion Ratio Lower Upper

94 100

65 40.2 30.4 70.4

66 82.0 62.9 102.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.54 ng

RT: 7.18 min Scan# 481

Delta R.T. 0.09 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Tgt Ion: 70 Resp: 125424

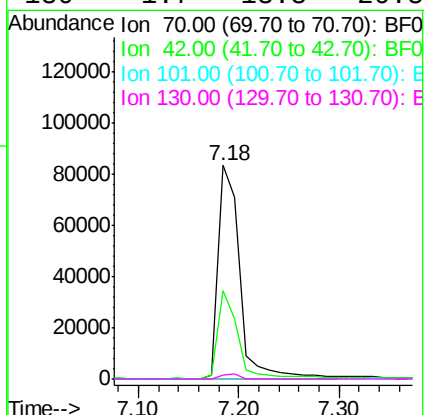
Ion Ratio Lower Upper

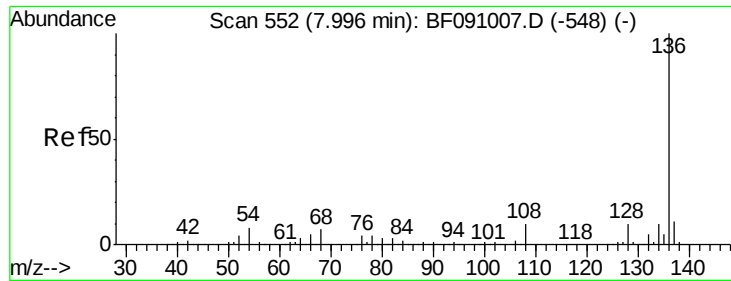
70 100

42 41.6 41.7 62.5#

101 0.0 6.7 10.1#

130 1.7 13.8 20.8#

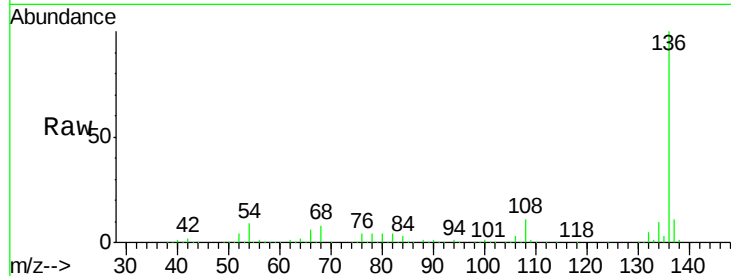




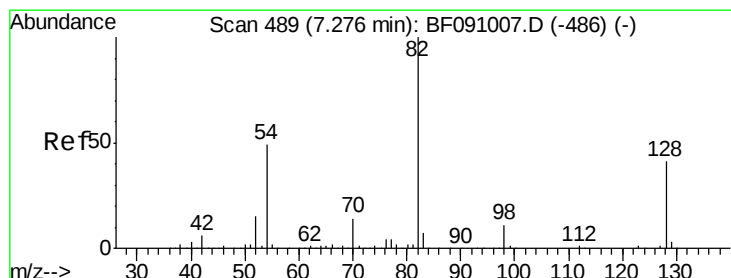
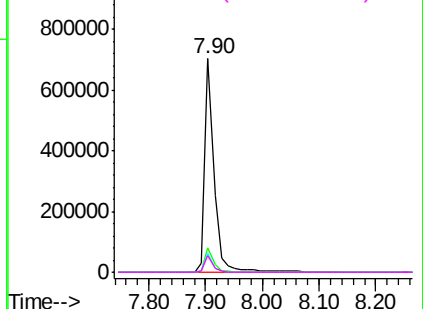
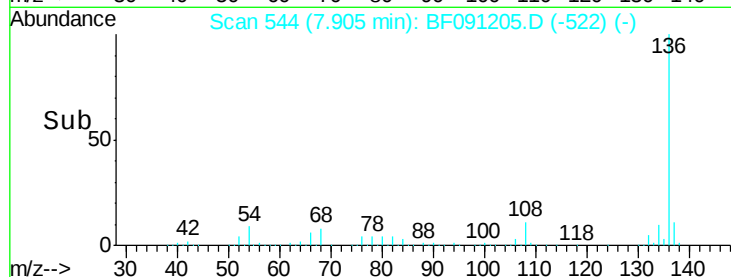
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.90 min Scan# 544  
Delta R.T. -0.05 min  
Lab File: BF091205.D  
Acq: 16 Nov 2016 23:06

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-AA8-AA9-AA8A-AA9A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 773525 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 9.0   | 6.2   | 9.2    |
| 68       | 7.9   | 5.5   | 8.3    |

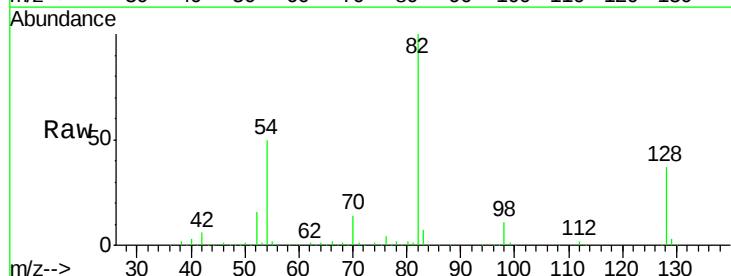


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

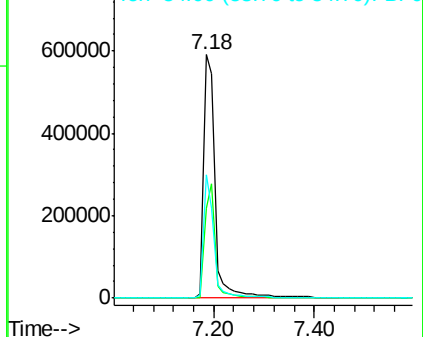
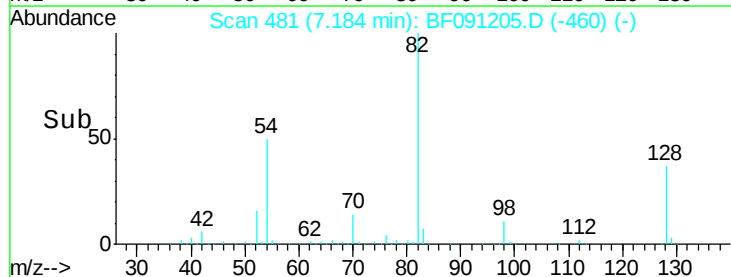


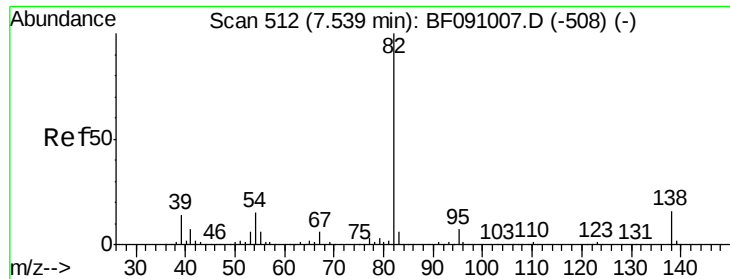
#23  
Nitrobenzene-d5  
Concen: 66.89 ng  
RT: 7.18 min Scan# 481  
Delta R.T. -0.06 min  
Lab File: BF091205.D  
Acq: 16 Nov 2016 23:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 948552 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.8  | 32.4  | 48.6   |
| 54       | 50.4  | 39.2  | 58.8   |



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.55 ng

RT: 7.18 min Scan# 481

Delta R.T. -0.31 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

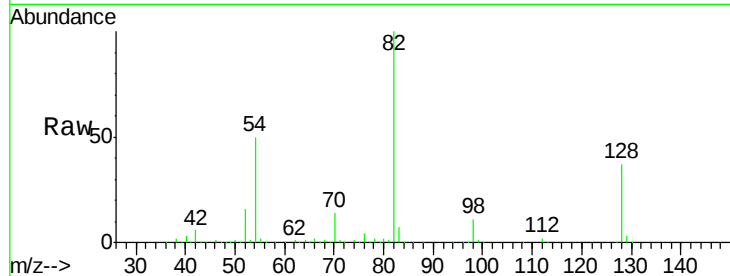
Tgt Ion: 82 Resp: 916785

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

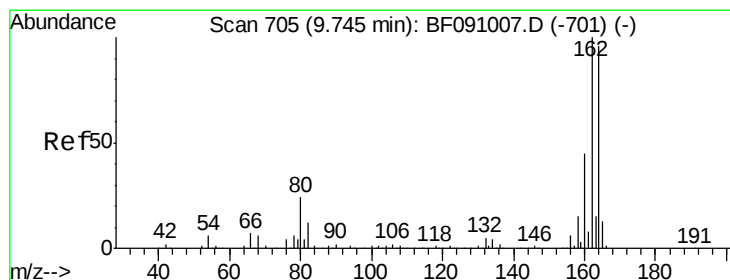
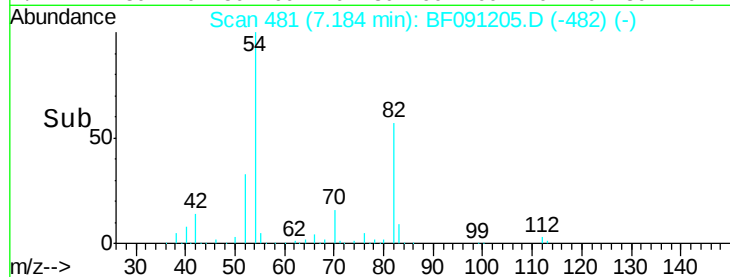
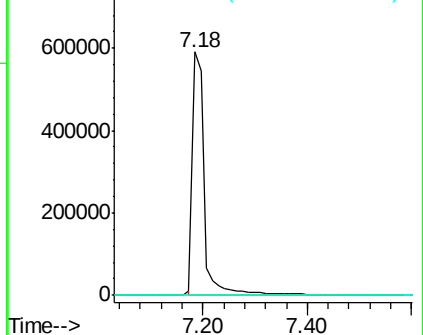
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

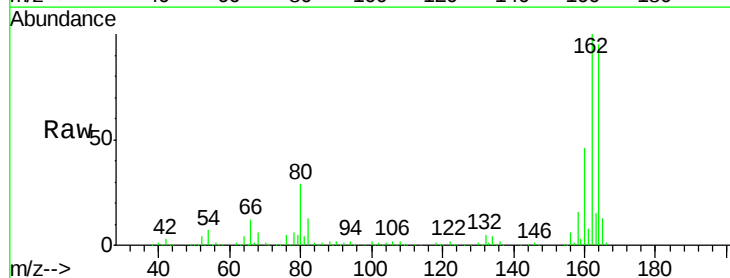
Tgt Ion: 164 Resp: 402105

Ion Ratio Lower Upper

164 100

162 105.6 83.6 125.4

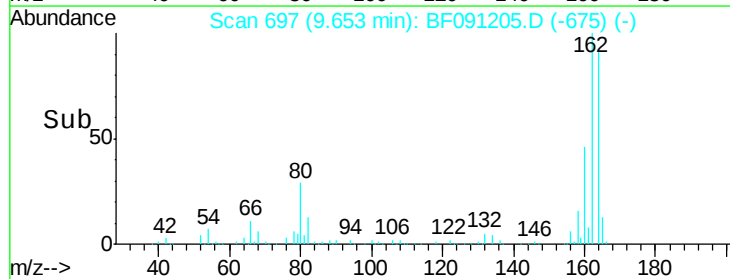
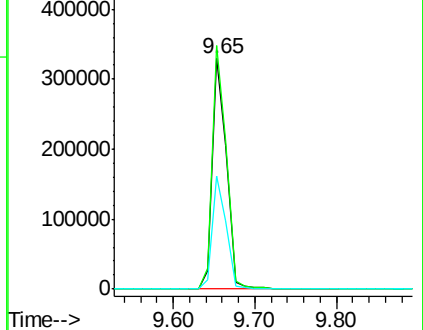
160 48.9 37.9 56.9

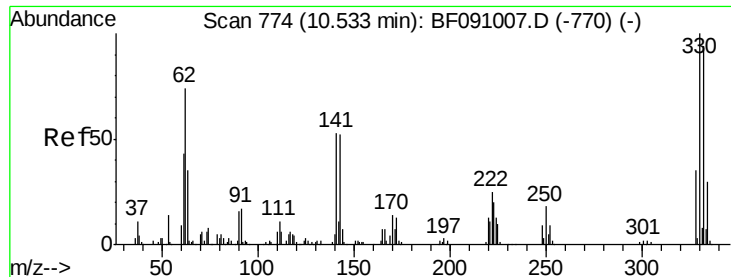


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

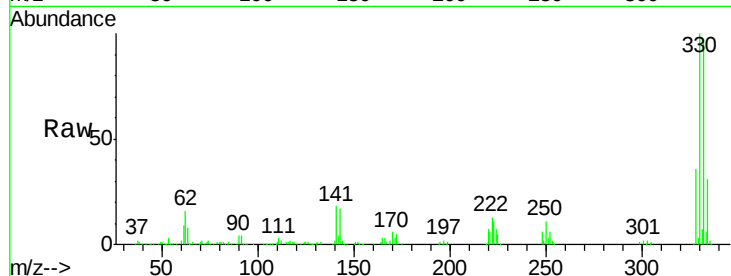




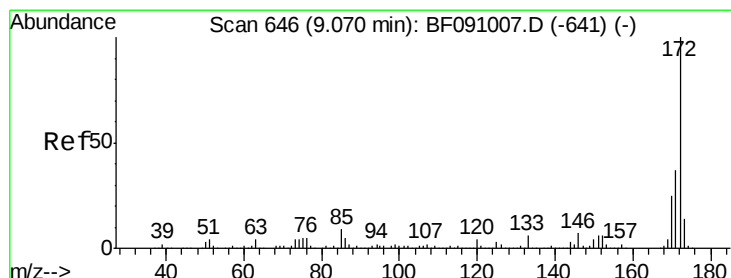
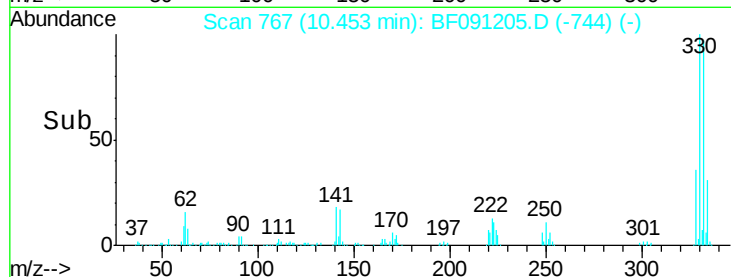
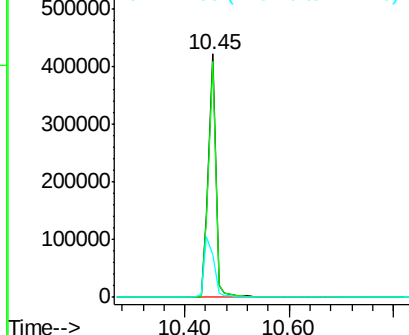
#41  
 2,4,6-Tribromophenol  
 Concen: 116.20 ng  
 RT: 10.45 min Scan# 767  
 Delta R.T. -0.03 min  
 Lab File: BF091205.D  
 Acq: 16 Nov 2016 23:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-AA8-AA9-AA8A-AA9A

Tgt Ion:330 Resp: 422434  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 75.9 113.9  
 141 32.7 36.1 54.1#

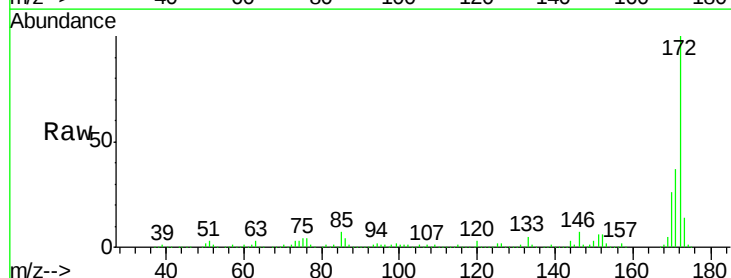


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

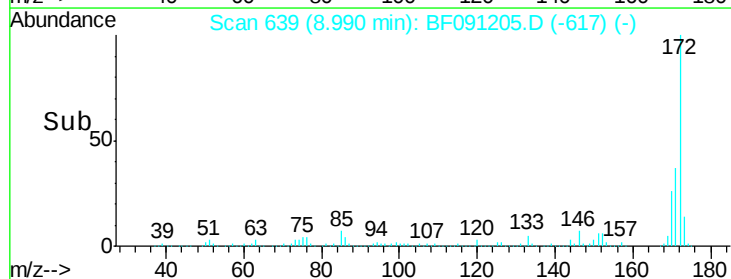
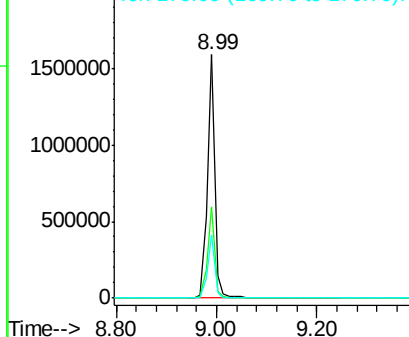


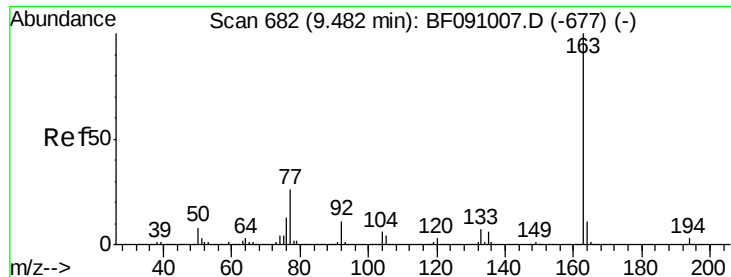
#44  
 2-Fluorobiphenyl  
 Concen: 69.80 ng  
 RT: 8.99 min Scan# 639  
 Delta R.T. -0.05 min  
 Lab File: BF091205.D  
 Acq: 16 Nov 2016 23:06

Tgt Ion:172 Resp: 1630183  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.8 44.6  
 170 25.8 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: 25.65 ng

RT: 9.39 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

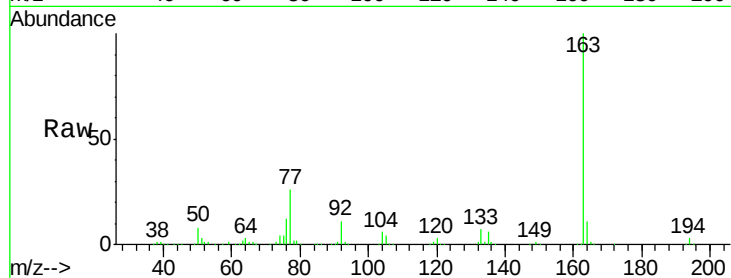
Tgt Ion:163 Resp: 676324

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

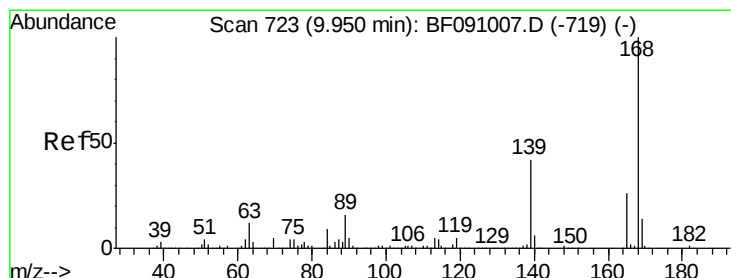
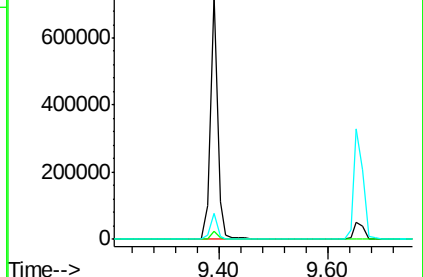
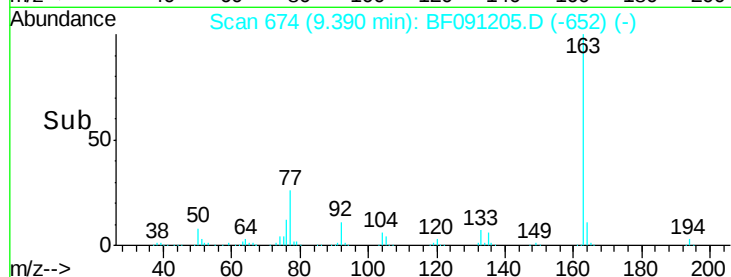
164 10.8 8.7 13.1



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



#56

2,4-Dinitrotoluene

Concen: 7.24 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.25 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Tgt Ion:165 Resp: 52076

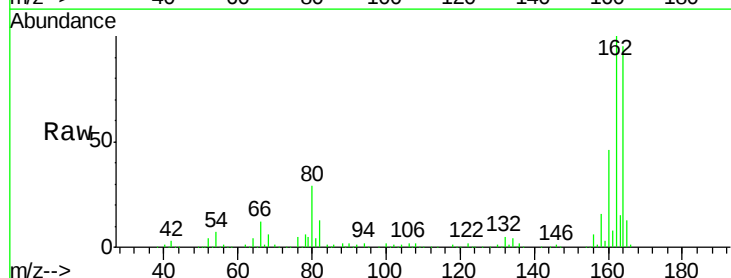
Ion Ratio Lower Upper

165 100

63 1.2 38.7 58.1#

89 1.4 50.6 76.0#

182 0.0 1.8 2.8#

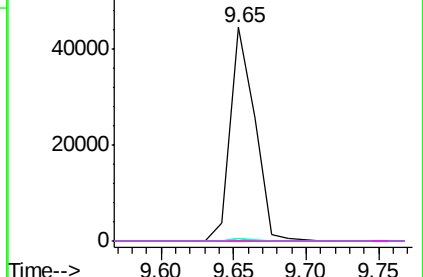
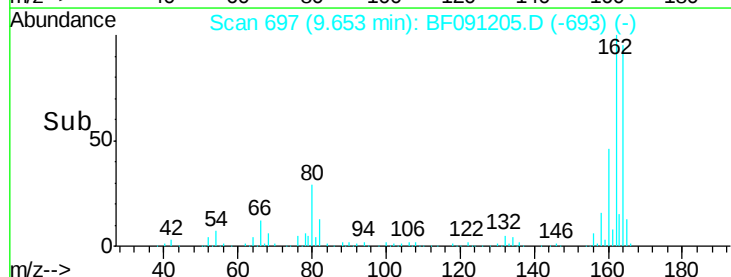


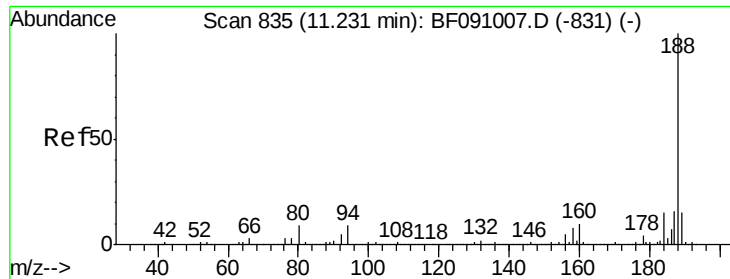
Abundance Ion 165.00 (164.70 to 165.70): E

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

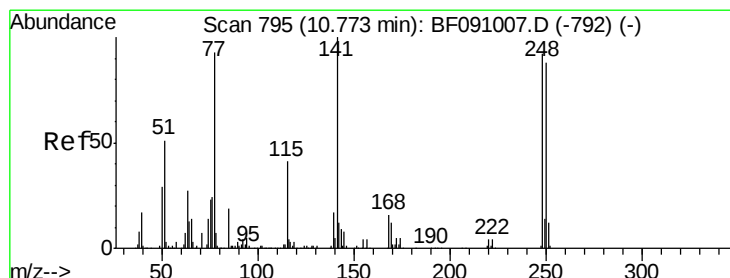
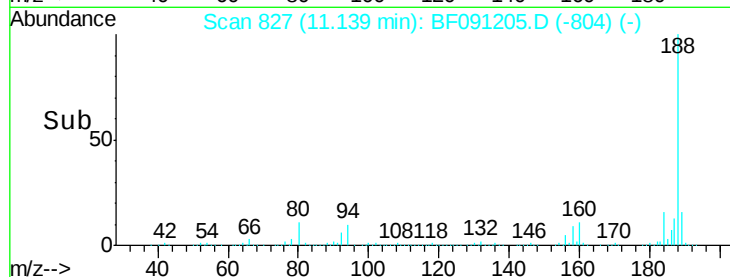
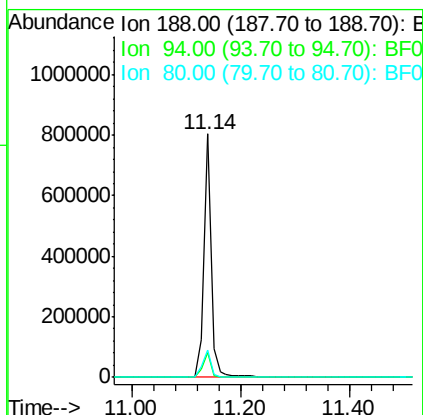
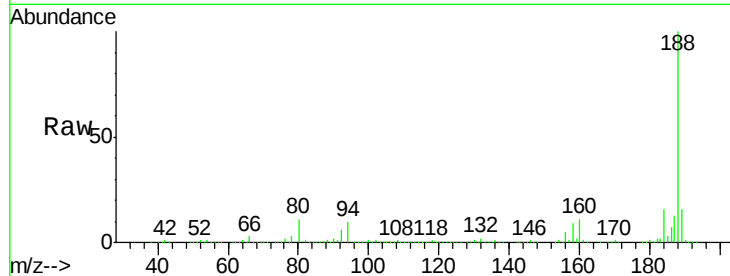




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.14 min Scan# 827  
 Delta R.T. -0.03 min  
 Lab File: BF091205.D  
 Acq: 16 Nov 2016 23:06

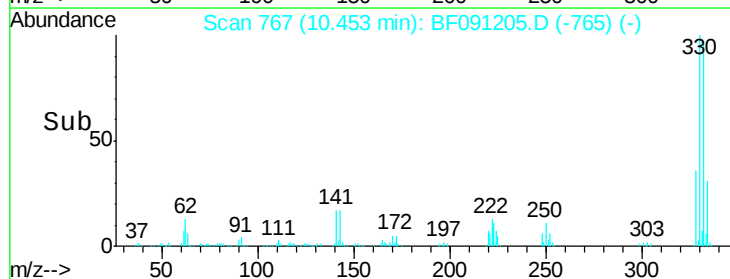
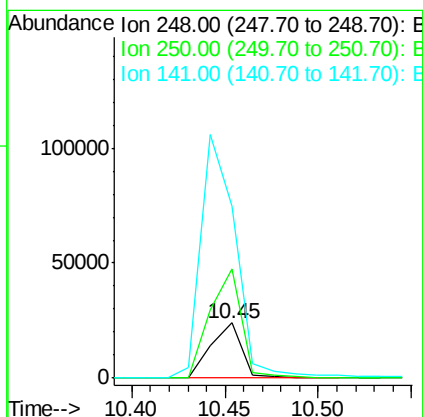
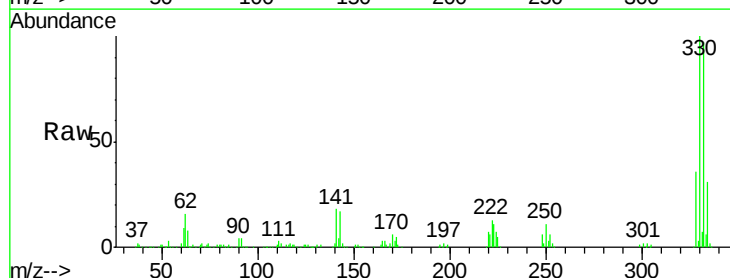
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-BPM-01-AA8-AA9-AA8A-AA9A

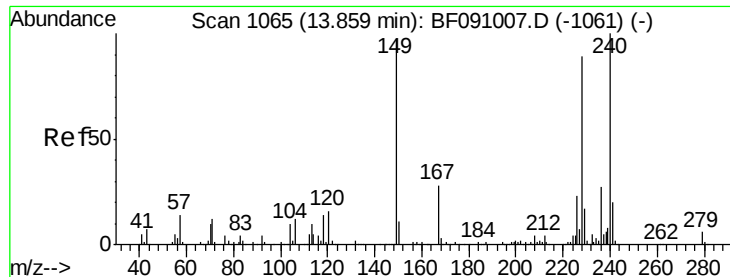
Tgt Ion:188 Resp: 748569  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 7.0 10.4  
 80 11.2 7.5 11.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.53 ng  
 RT: 10.45 min Scan# 767  
 Delta R.T. -0.27 min  
 Lab File: BF091205.D  
 Acq: 16 Nov 2016 23:06

Tgt Ion:248 Resp: 27489  
 Ion Ratio Lower Upper  
 248 100  
 250 199.6 76.3 114.5#  
 141 312.4 86.8 130.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

Instrument :

BNA\_F

ClientSampleId :

FK-BPM-01-AA8-AA9-AA8A-AA9A

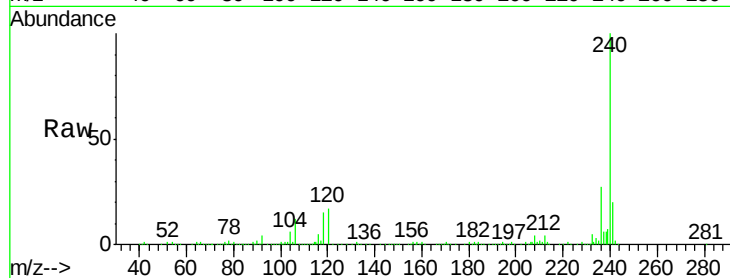
Tgt Ion:240 Resp: 553880

Ion Ratio Lower Upper

240 100

120 16.6 12.9 19.3

236 27.2 21.9 32.9



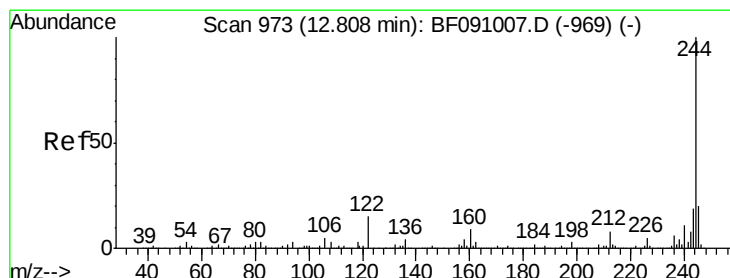
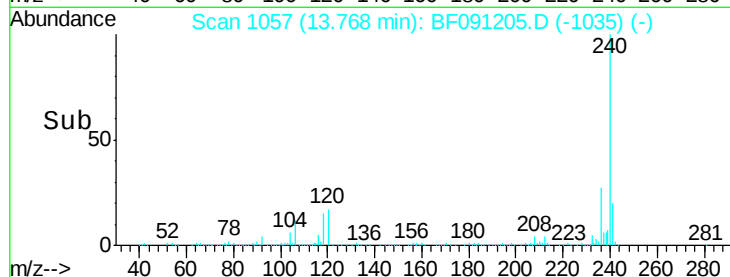
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.77

Time--> 13.60 13.80 14.00



#78

Terphenyl-d14

Concen: 70.06 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF091205.D

Acq: 16 Nov 2016 23:06

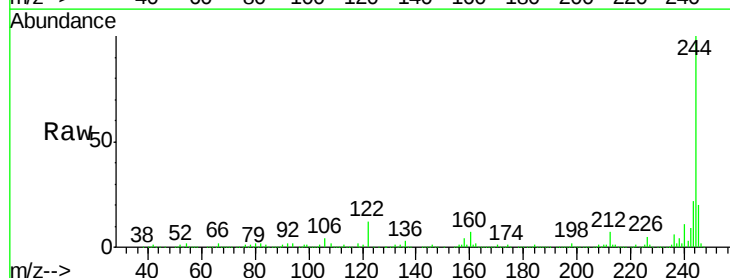
Tgt Ion:244 Resp: 1555030

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

122 11.7 12.3 18.5#



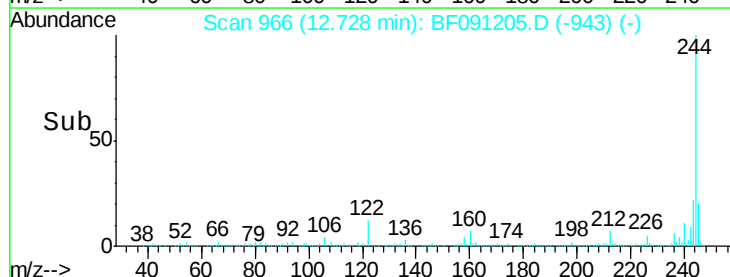
Abundance Ion 244.00 (243.70 to 244.70): E

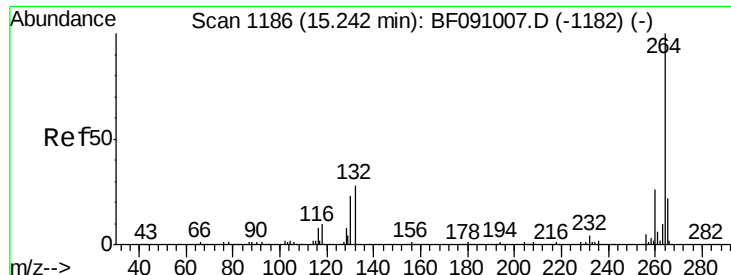
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.73

Time--> 12.60 12.80 13.00





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.14 min Scan# 1177  
Delta R.T. -0.05 min  
Lab File: BF091205.D  
Acq: 16 Nov 2016 23:06

Instrument :  
BNA\_F  
ClientSampleId :  
FK-BPM-01-AA8-AA9-AA8A-AA9A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 20.6  | 30.8  |
| 265     | 22.0  | 17.8  | 26.8  |

