

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF123016\  
 Data File : BF092055.D  
 Acq On : 30 Dec 2016 19:45  
 Operator : UM/SJ  
 Sample : H6314-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GMW-03

Quant Time: Dec 30 21:59:57 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 17:32:10 2016  
 Response via : Initial Calibration

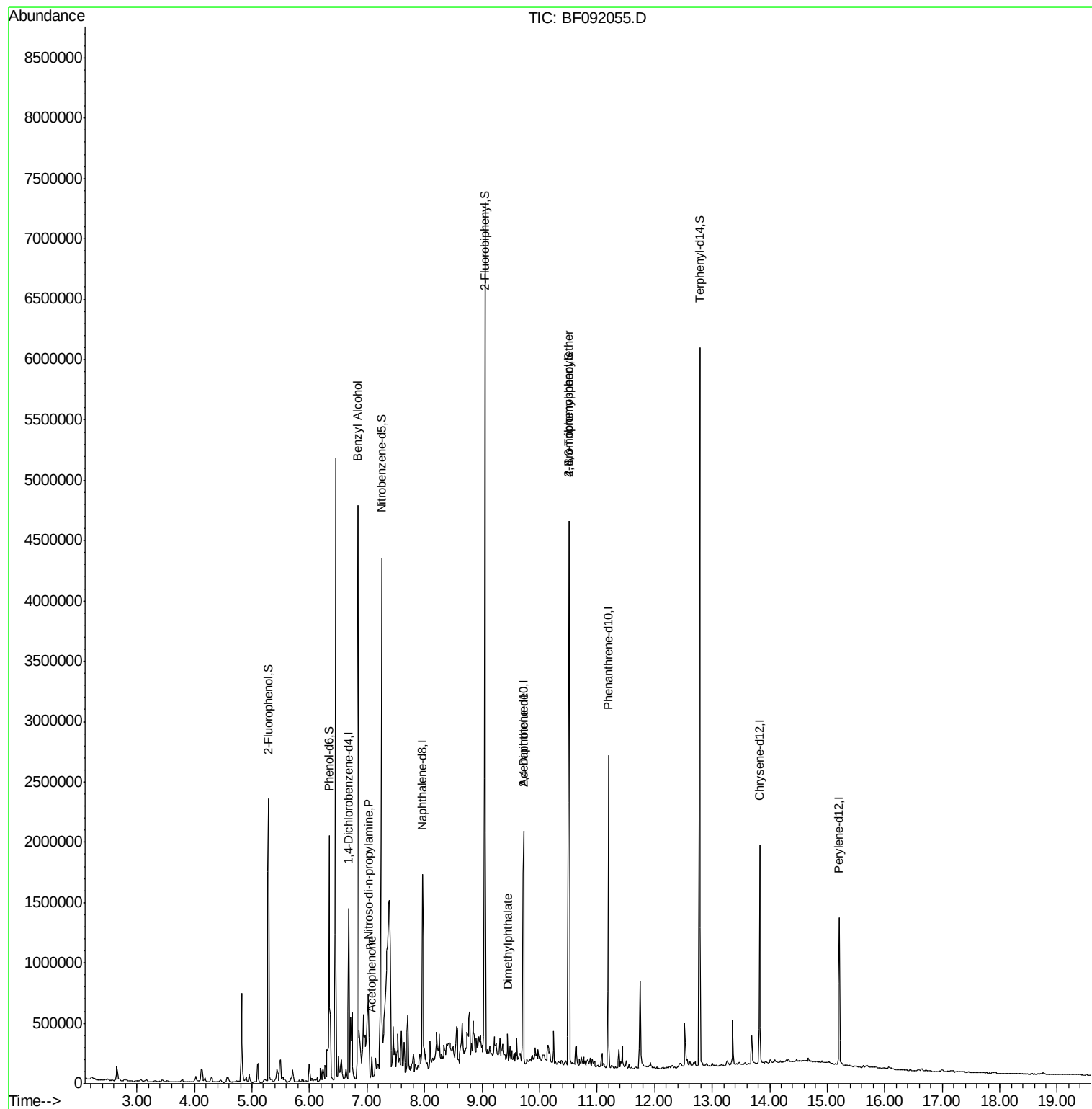
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 231094   | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.96  | 136  | 908552   | 20.00     | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.72  | 164  | 586451   | 20.00     | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.20 | 188  | 941417   | 20.00     | ng    | -0.03    |
| 75) Chrysene-d12               | 13.83 | 240  | 586699   | 20.00     | ng    | -0.05    |
| 86) Perylene-d12               | 15.21 | 264  | 551726   | 20.00     | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.29  | 112  | 901485   | 65.14     | ng    | -0.03    |
| 7) Phenol-d6                   | 6.34  | 99   | 682650   | 40.40     | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 1521049  | 93.09     | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.51 | 330  | 583254   | 120.18    | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 2667385  | 94.66     | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.78 | 244  | 2075288  | 85.79     | ng    | -0.03    |
| Target Compounds               |       |      |          |           |       |          |
| 15) Benzyl Alcohol             | 6.84  | 79   | 27953    | 2.13      | ng    | # 30     |
| 19) n-Nitroso-di-n-propylamine | 7.02  | 70   | 25549    | 2.27      | ng    | # 50     |
| 22) Acetophenone               | 7.08  | 105  | 64152    | 2.86      | ng    | # 54     |
| 37) 2-Methylnaphthalene        | 8.68  | 142  | 1518     | Below Cal | #     | 1        |
| 49) Dimethylphthalate          | 9.45  | 163  | 111879   | 2.98      | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 9.72  | 165  | 77807    | 7.55      | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 39303    | 4.01      | ng    | # 1      |
| 71) Anthracene                 | 11.26 | 178  | 1414     | Below Cal | #     | 1        |
| 73) Di-n-butylphthalate        | 11.77 | 149  | 29810    | Below Cal |       | 98       |
| 74) Fluoranthene               | 12.41 | 202  | 2266     | Below Cal |       | 62       |

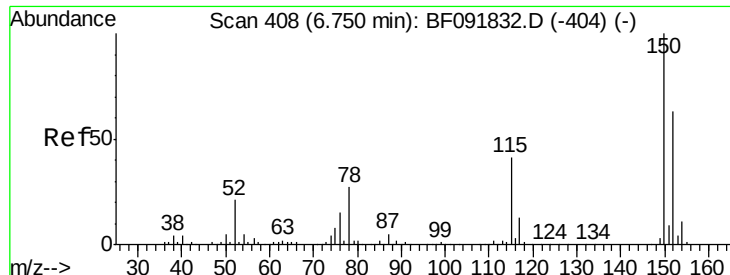
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 28 17:32:10 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

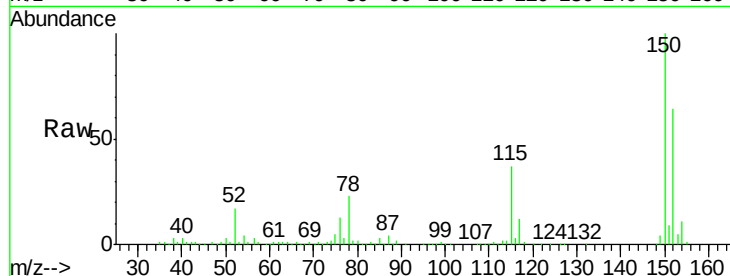
Tgt Ion:152 Resp: 231094

Ion Ratio Lower Upper

152 100

150 155.8 124.9 187.3

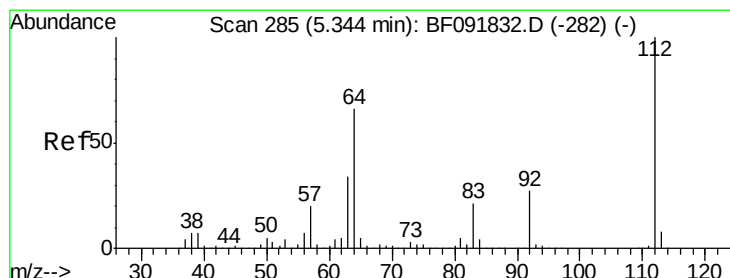
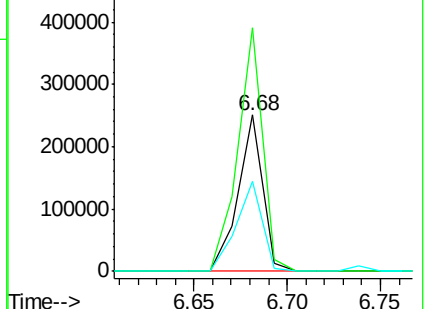
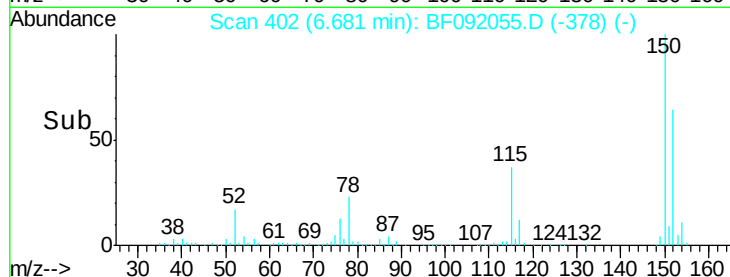
115 57.3 46.0 69.0



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: 65.14 ng

RT: 5.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

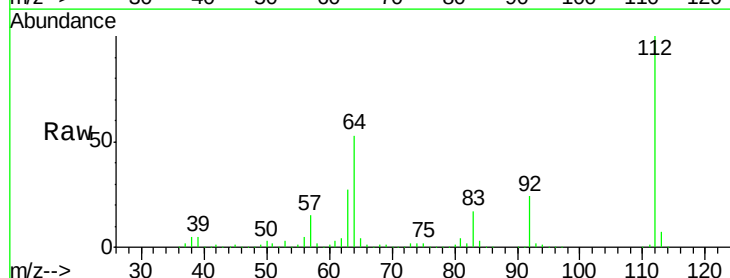
Tgt Ion:112 Resp: 901485

Ion Ratio Lower Upper

112 100

64 52.7 46.1 69.1

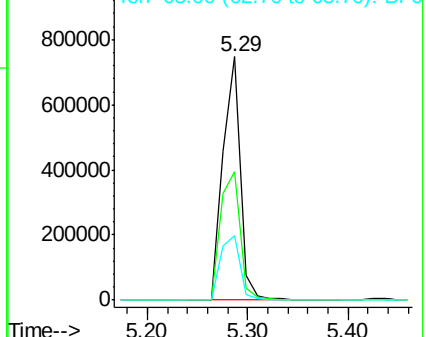
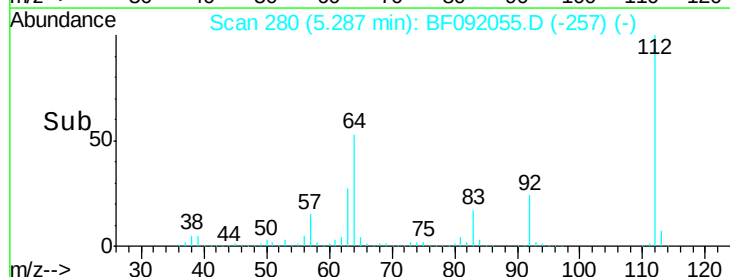
63 26.6 23.8 35.6

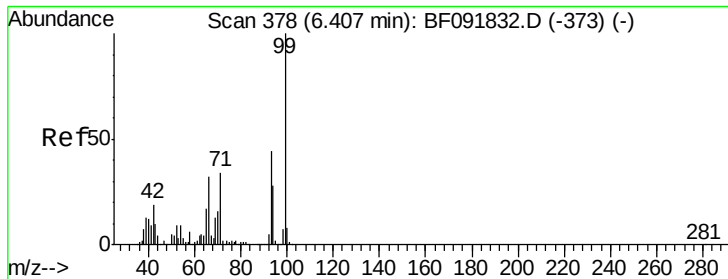


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.40 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.05 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

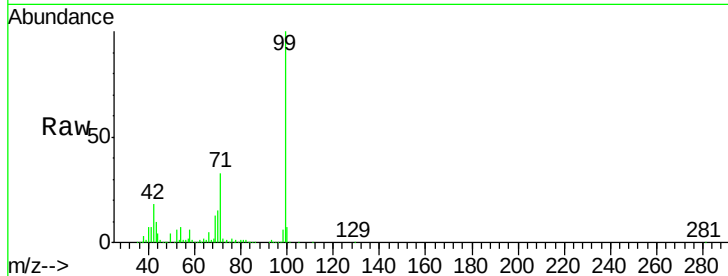
Tgt Ion: 99 Resp: 682650

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

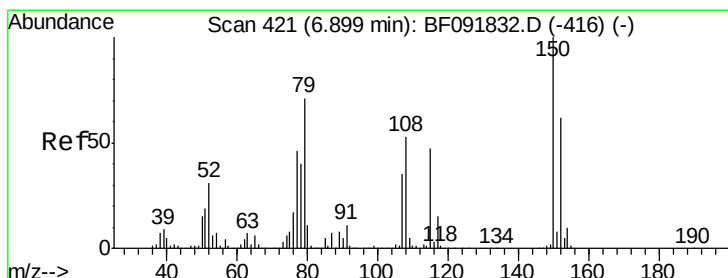
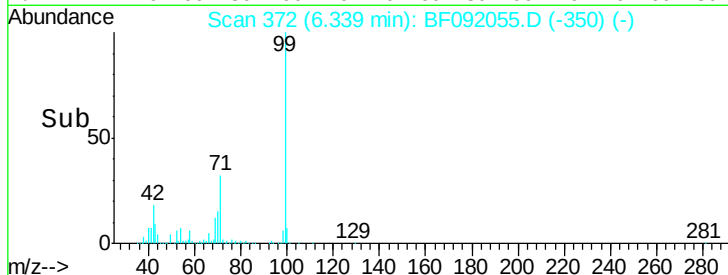
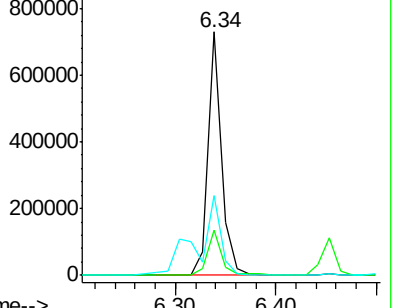
71 32.5 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

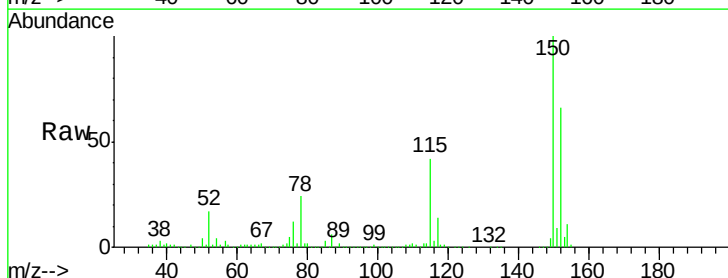
Tgt Ion: 79 Resp: 27953

Ion Ratio Lower Upper

79 100

108 28.5 61.4 92.0#

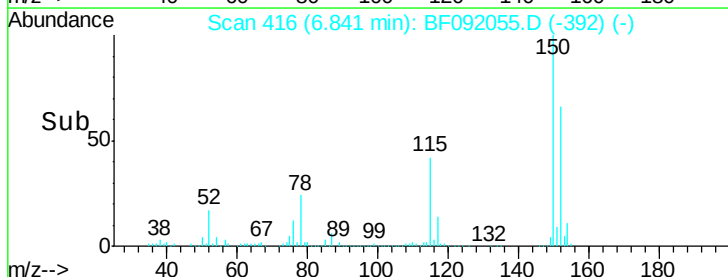
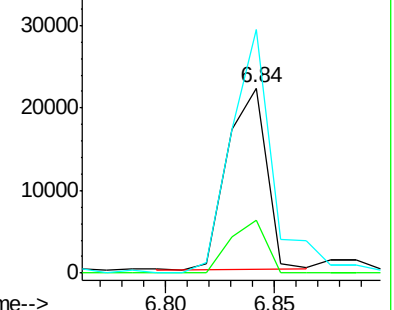
77 131.8 50.9 76.3#

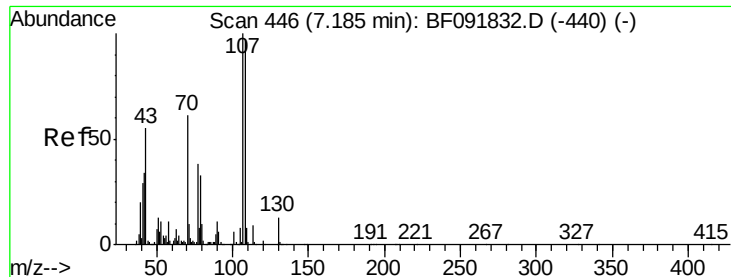


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

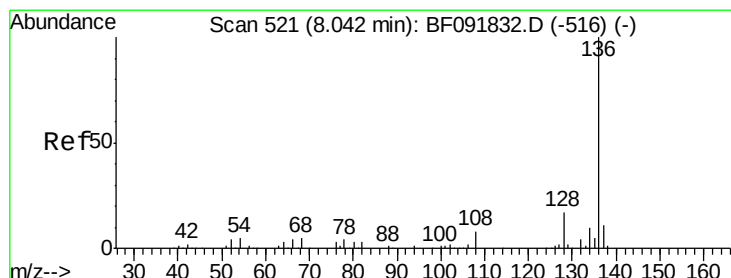
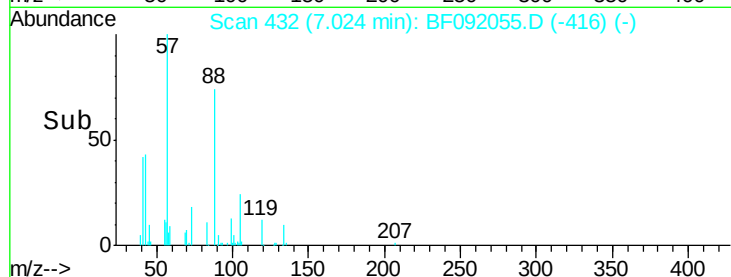
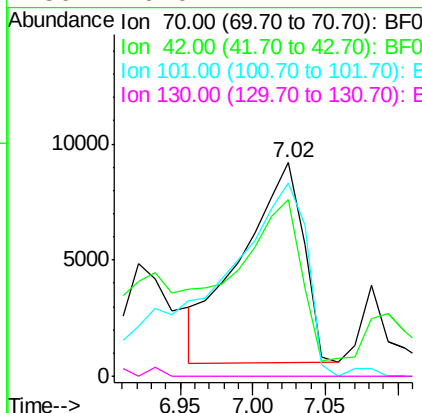
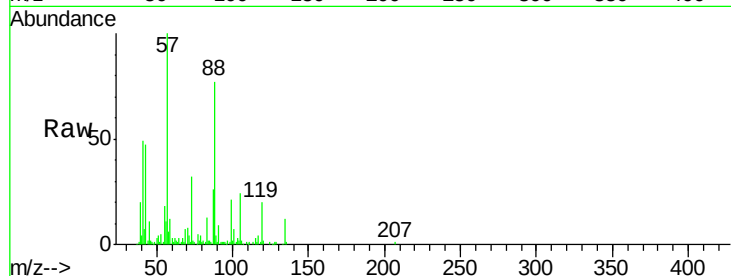




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.27 ng  
RT: 7.02 min Scan# 432  
Delta R.T. -0.11 min  
Lab File: BF092055.D  
Acq: 30 Dec 2016 19:45

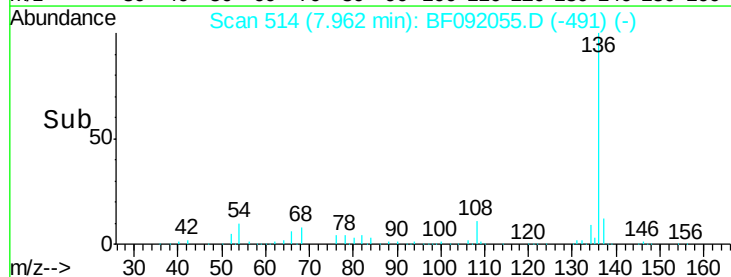
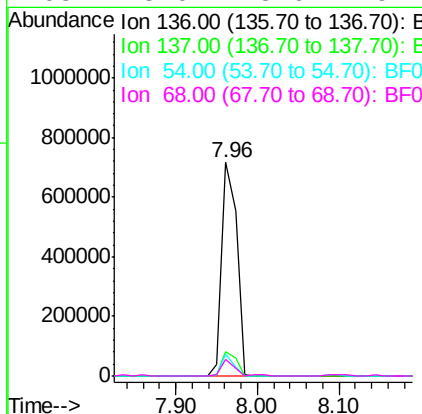
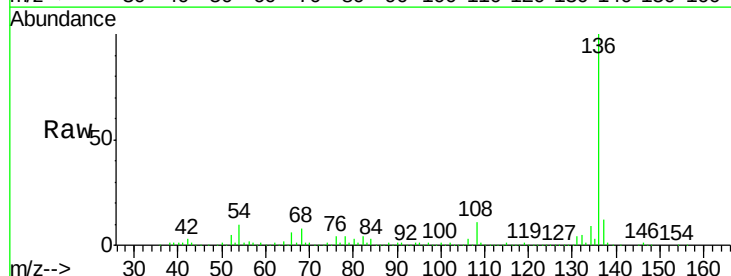
Instrument :  
BNA\_F  
ClientSampled :  
GMW-03

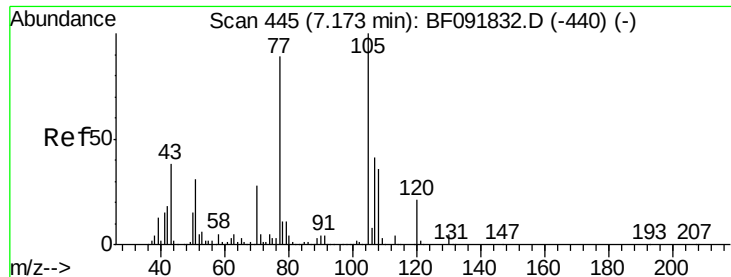
Tgt Ion: 70 Resp: 25549  
Ion Ratio Lower Upper  
70 100  
42 82.7 49.4 74.0#  
101 90.4 7.4 11.2#  
130 0.0 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.96 min Scan# 514  
Delta R.T. -0.03 min  
Lab File: BF092055.D  
Acq: 30 Dec 2016 19:45

Tgt Ion: 136 Resp: 908552  
Ion Ratio Lower Upper  
136 100  
137 11.7 8.4 12.6  
54 9.9 4.5 6.7#  
68 8.0 3.6 5.4#

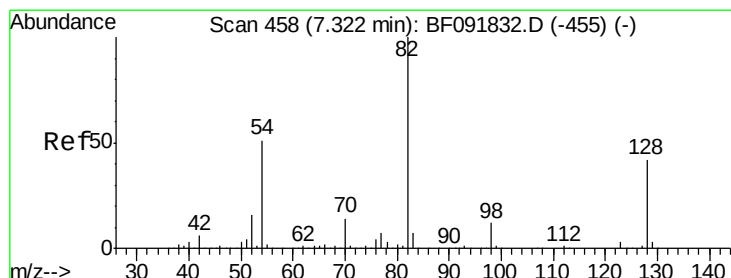
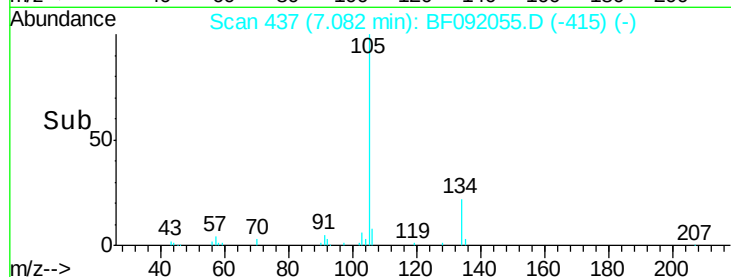
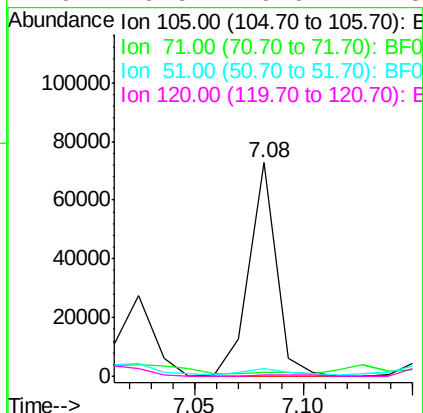
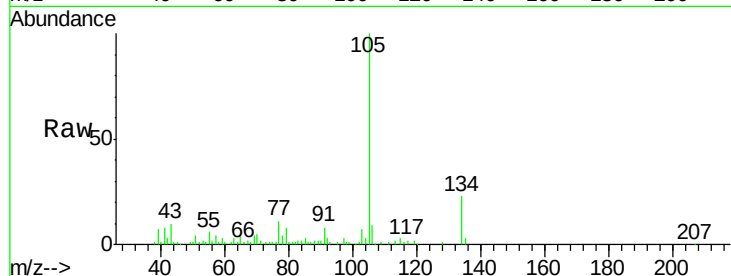




#22  
Acetophenone  
Concen: 2.86 ng  
RT: 7.08 min Scan# 437  
Delta R.T. -0.05 min  
Lab File: BF092055.D  
Acq: 30 Dec 2016 19:45

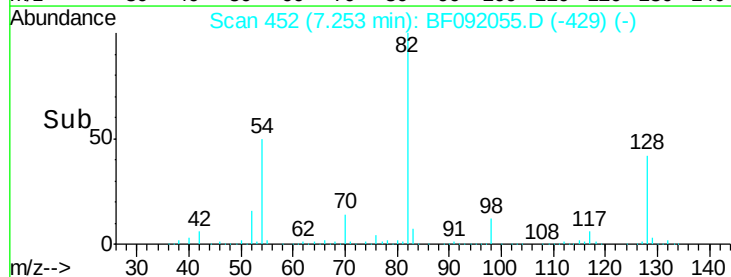
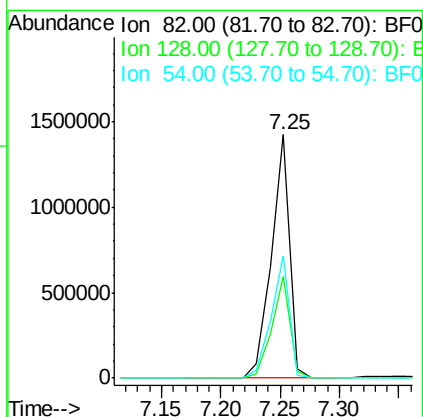
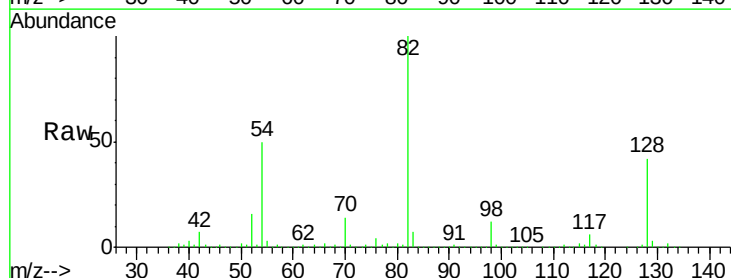
Instrument :  
BNA\_F  
ClientSampled :  
GMW-03

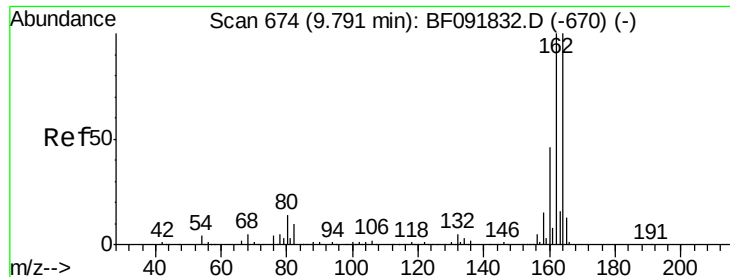
Tgt Ion: 105 Resp: 64152  
Ion Ratio Lower Upper  
105 100  
71 2.0 3.2 4.8#  
51 3.7 26.2 39.4#  
120 0.5 16.6 24.8#



#23  
Nitrobenzene-d5  
Concen: 93.09 ng  
RT: 7.25 min Scan# 452  
Delta R.T. -0.03 min  
Lab File: BF092055.D  
Acq: 30 Dec 2016 19:45

Tgt Ion: 82 Resp: 1521049  
Ion Ratio Lower Upper  
82 100  
128 41.9 34.6 52.0  
54 49.9 39.5 59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

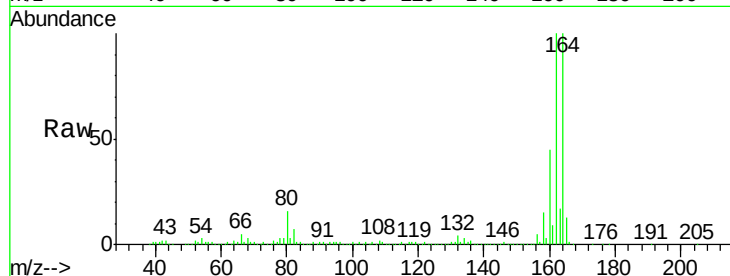
Tgt Ion:164 Resp: 586451

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

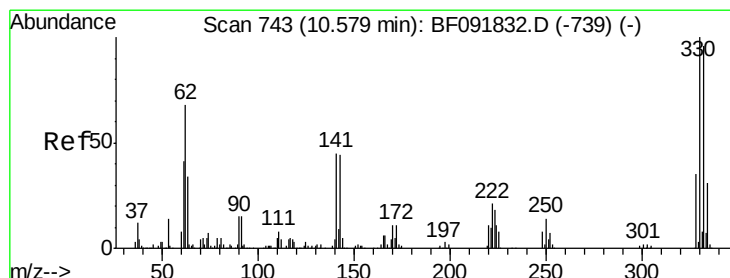
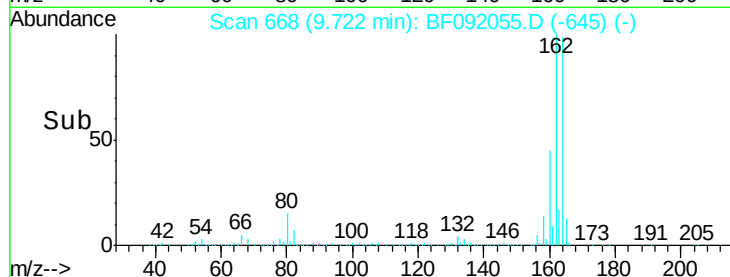
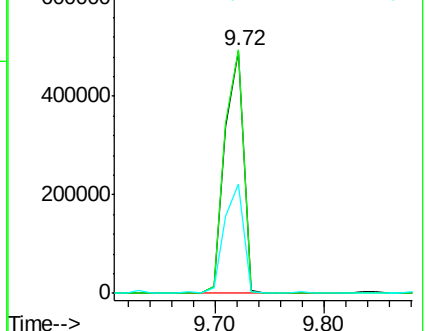
160 45.3 36.9 55.3



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: 120.18 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

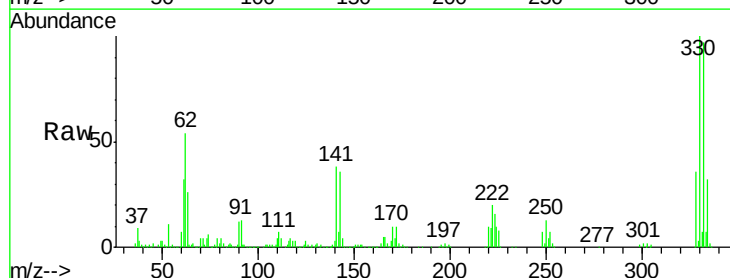
Tgt Ion:330 Resp: 583254

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

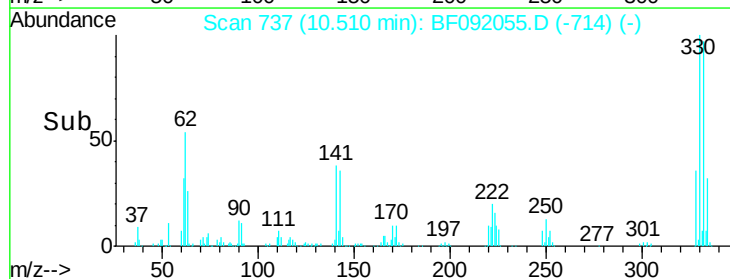
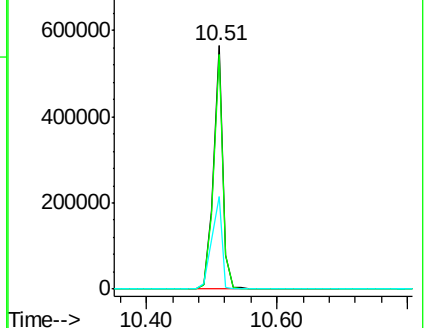
141 41.0 34.1 51.1

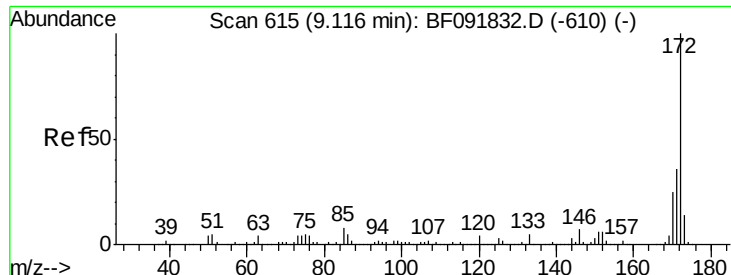


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

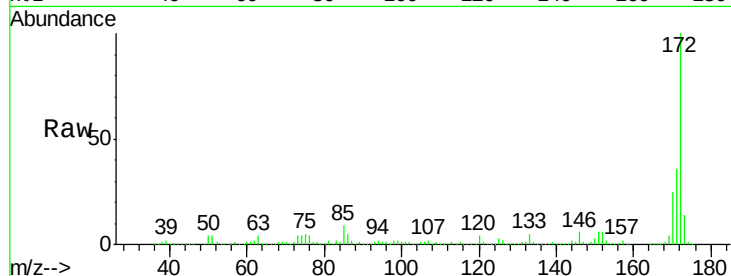




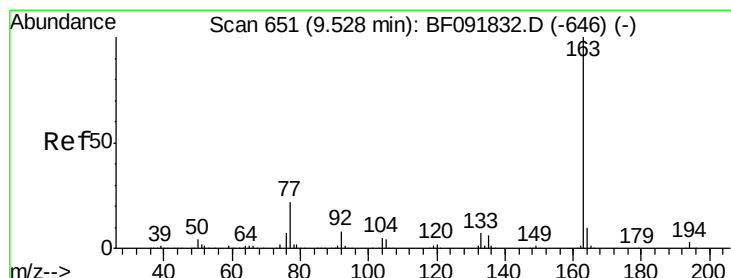
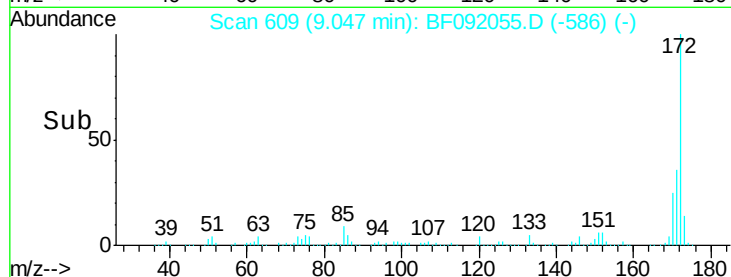
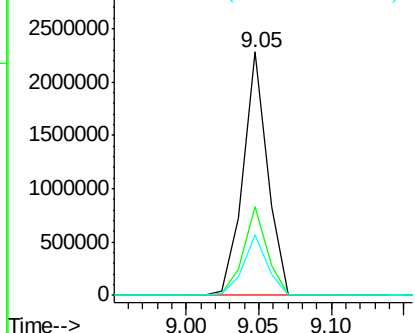
#44  
 2-Fluorobiphenyl  
 Concen: 94.66 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.03 min  
 Lab File: BF092055.D  
 Acq: 30 Dec 2016 19:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GMW-03

Tgt Ion:172 Resp: 2667385  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 25.0 20.2 30.4

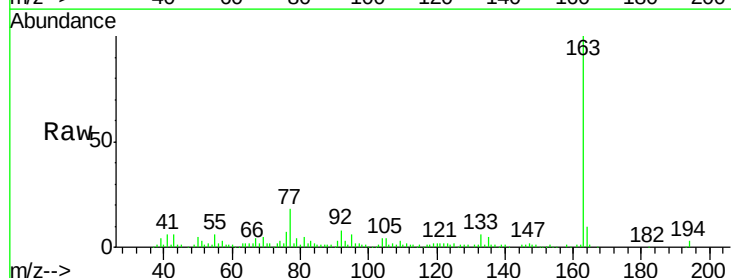


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

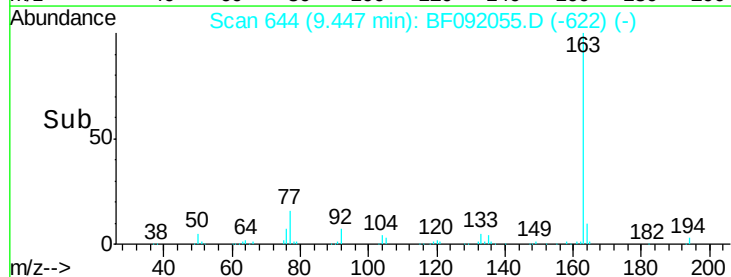
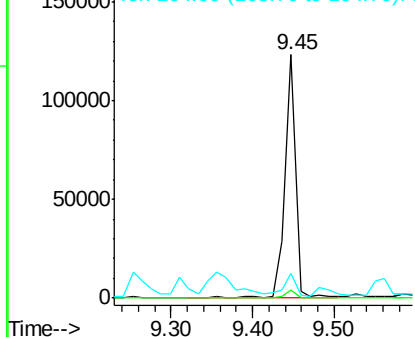


#49  
 Dimethylphthalate  
 Concen: 2.98 ng  
 RT: 9.45 min Scan# 644  
 Delta R.T. -0.05 min  
 Lab File: BF092055.D  
 Acq: 30 Dec 2016 19:45

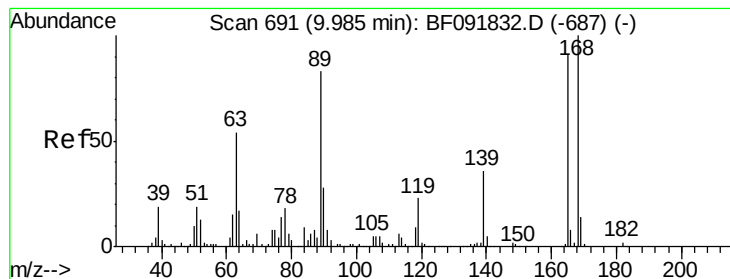
Tgt Ion:163 Resp: 111879  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 3.0 4.4  
 164 10.0 8.0 12.0



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: 7.55 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.23 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

Tgt Ion:165 Resp: 77807

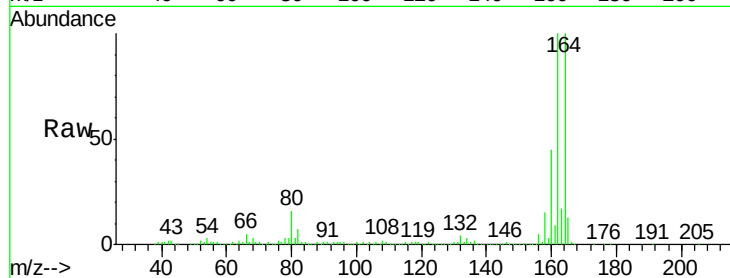
Ion Ratio Lower Upper

165 100

63 2.0 40.2 60.4#

89 1.8 62.5 93.7#

182 0.0 1.8 2.8#

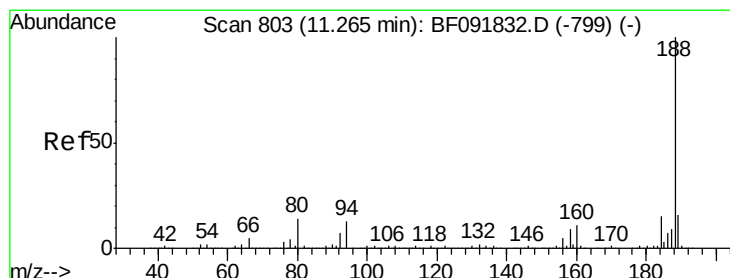
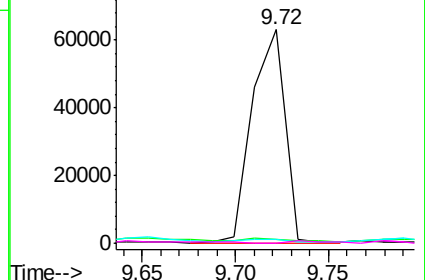
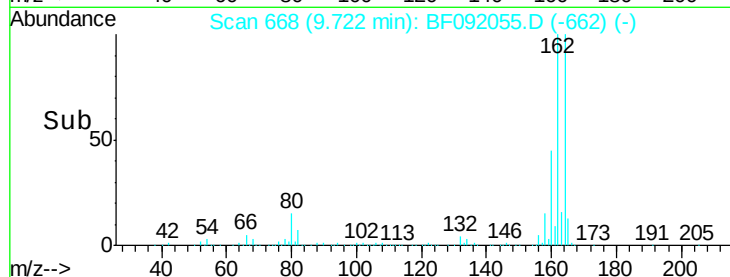


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

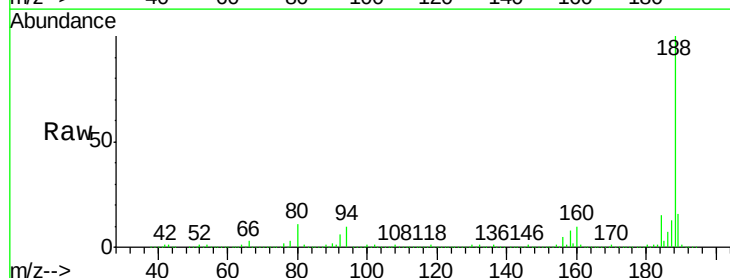
Tgt Ion:188 Resp: 941417

Ion Ratio Lower Upper

188 100

94 10.4 10.0 15.0

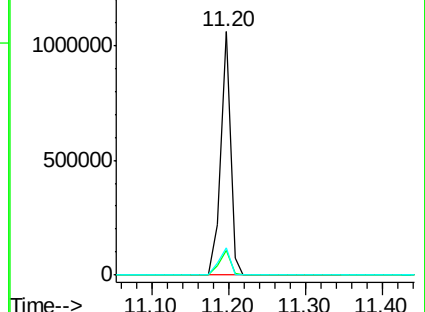
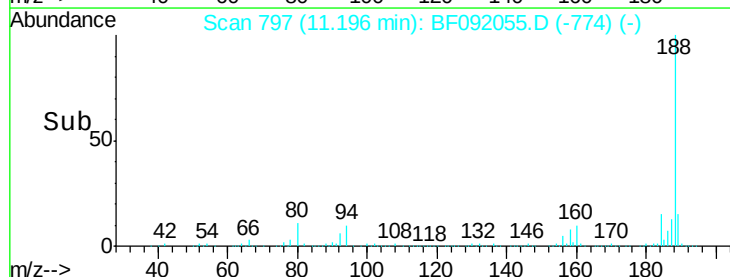
80 11.1 11.2 16.8#

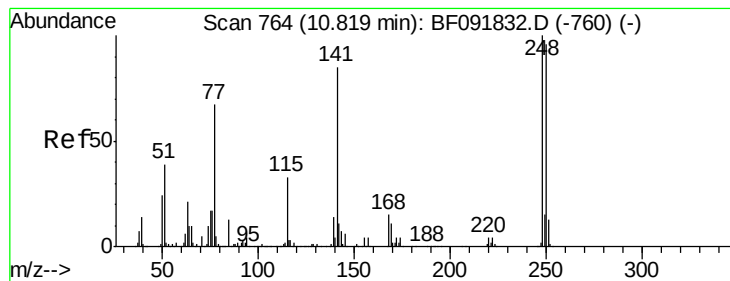


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.01 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.27 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

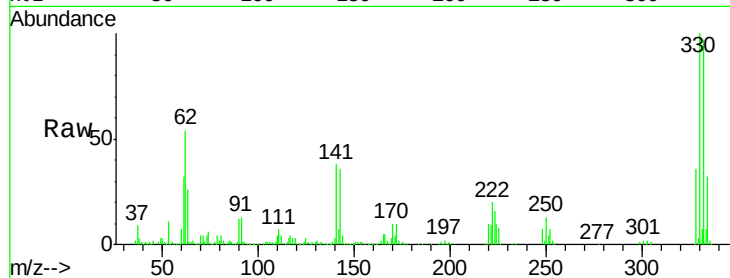
Tgt Ion:248 Resp: 39303

Ion Ratio Lower Upper

248 100

250 197.9 76.9 115.3#

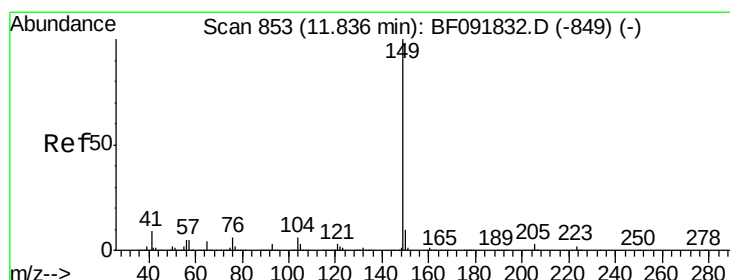
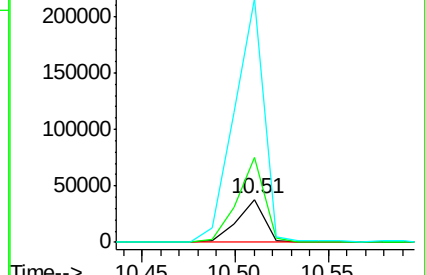
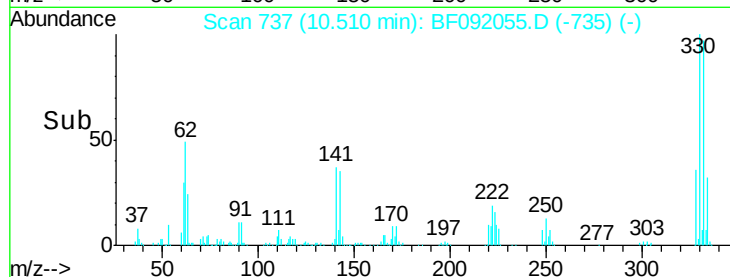
141 563.6 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.77 min Scan# 847

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

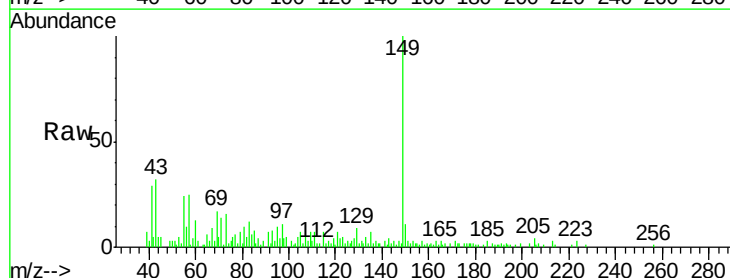
Tgt Ion:149 Resp: 29810

Ion Ratio Lower Upper

149 100

150 11.0 8.1 12.1

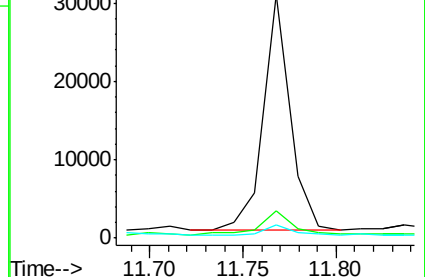
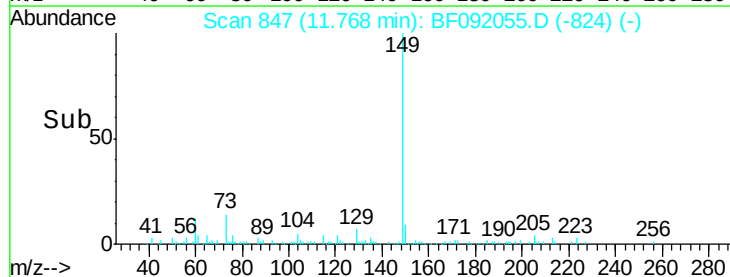
104 5.5 4.6 7.0

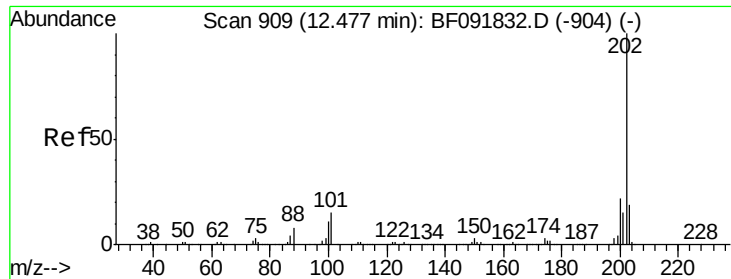


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.41 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

Instrument :

BNA\_F

ClientSampleId :

GMW-03

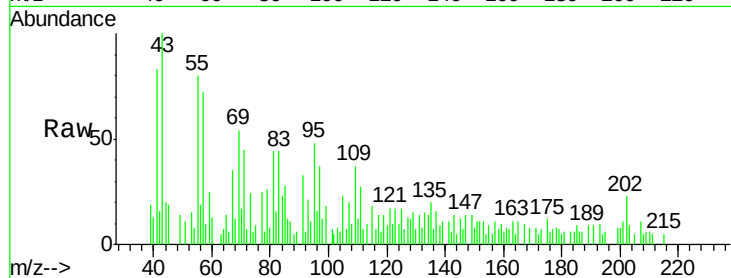
Tgt Ion: 202 Resp: 2266

Ion Ratio Lower Upper

202 100

101 28.6 0.0 34.6

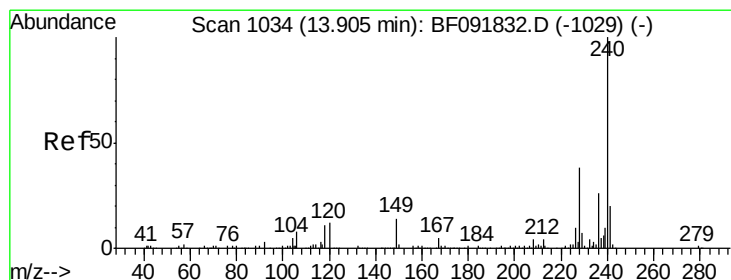
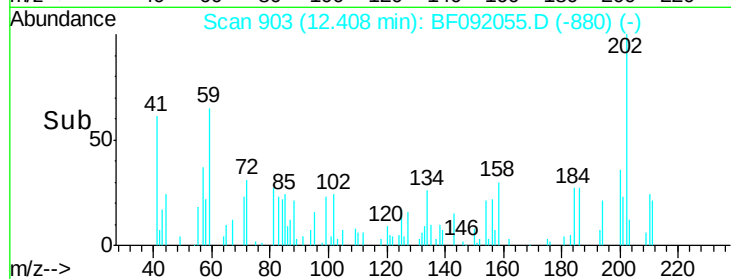
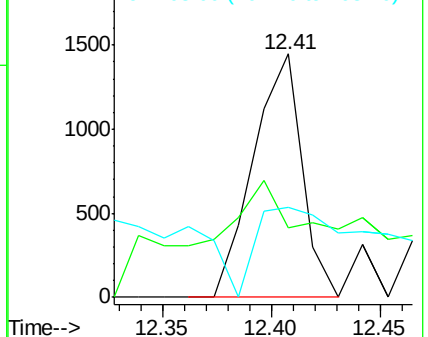
203 37.0 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF092055.D

Acq: 30 Dec 2016 19:45

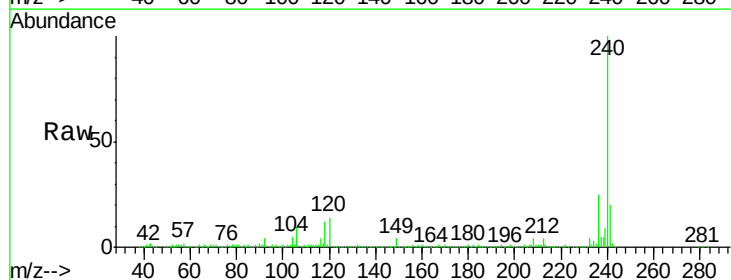
Tgt Ion: 240 Resp: 586699

Ion Ratio Lower Upper

240 100

120 13.7 12.9 19.3

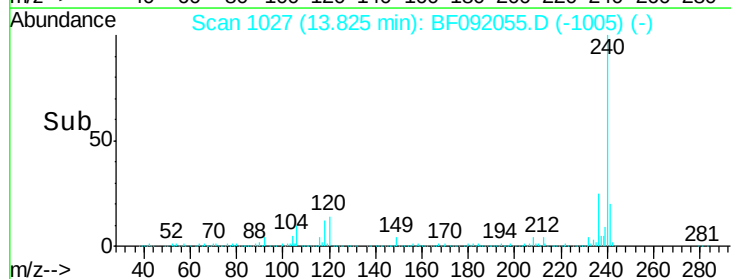
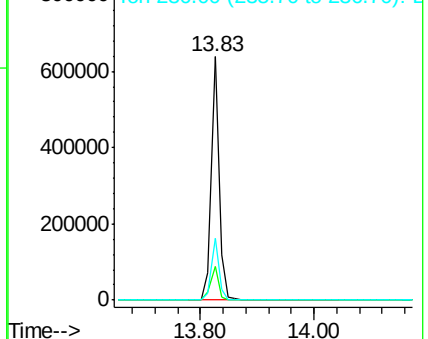
236 25.4 20.9 31.3

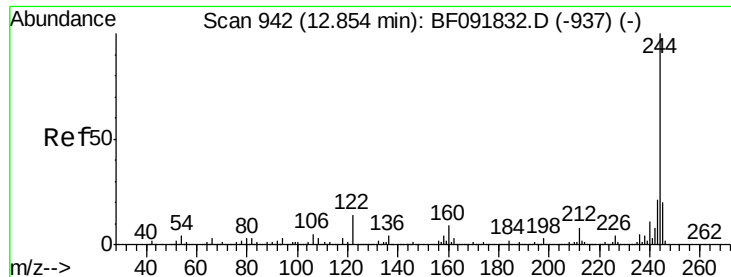


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

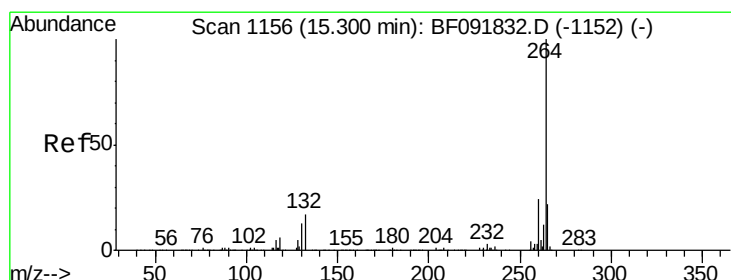
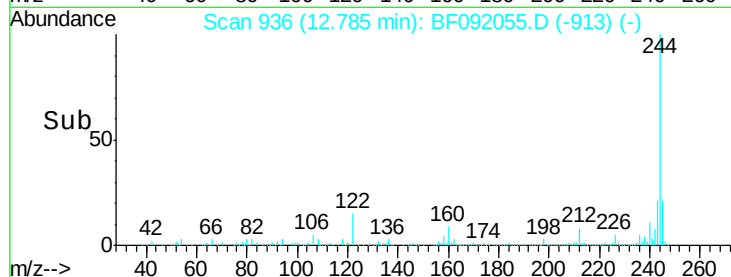
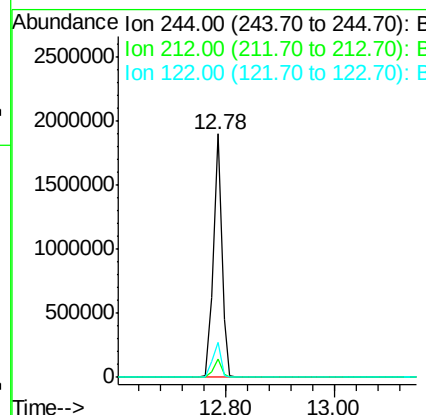
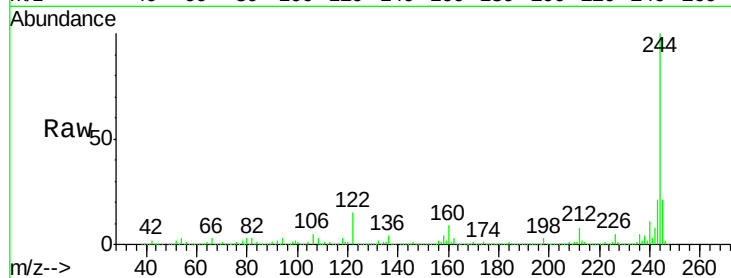




#78  
 Terphenyl-d14  
 Concen: 85.79 ng  
 RT: 12.78 min Scan# 936  
 Delta R.T. -0.03 min  
 Lab File: BF092055.D  
 Acq: 30 Dec 2016 19:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GMW-03

Tgt Ion:244 Resp: 2075288  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 14.6 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.21 min Scan# 1148  
 Delta R.T. -0.05 min  
 Lab File: BF092055.D  
 Acq: 30 Dec 2016 19:45

Tgt Ion:264 Resp: 551726  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 22.0 17.4 26.0

