

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\  
 Data File : BF099189.D  
 Acq On : 7 Oct 2017 12:50  
 Operator : SJ/JU  
 Sample : I5585-17  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 08 03:32:53 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 05 17:20:48 2017  
 Response via : Initial Calibration

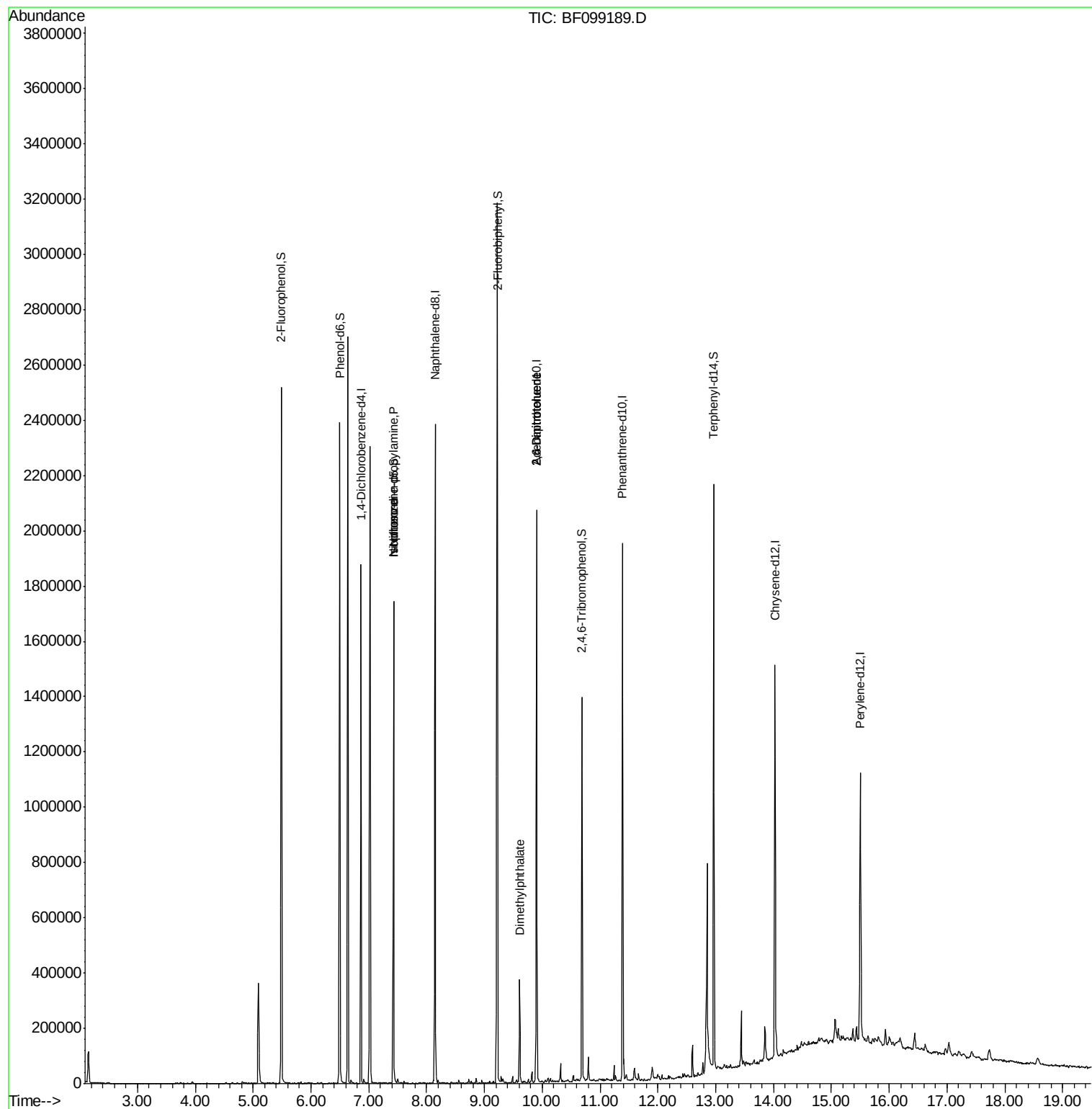
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 267204   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 1066633  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.90  | 164  | 446997   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.39 | 188  | 666978   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.03 | 240  | 447226   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.50 | 264  | 422568   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 799121   | 47.61  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.50  | 99   | 960005   | 46.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 571029   | 34.33  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 162093   | 44.32  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 1006312  | 37.58  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.97 | 244  | 626609   | 31.86  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 73950    | 5.594  | ng    | # 74     |
| 25) Isophorone                 | 7.43  | 82   | 571022   | 16.606 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.61  | 163  | 128546   | 3.810  | ng    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.90  | 165  | 57865    | 7.878  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 57865    | 6.071  | ng    | # 23     |

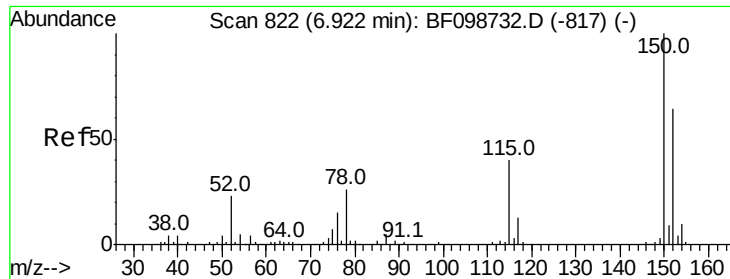
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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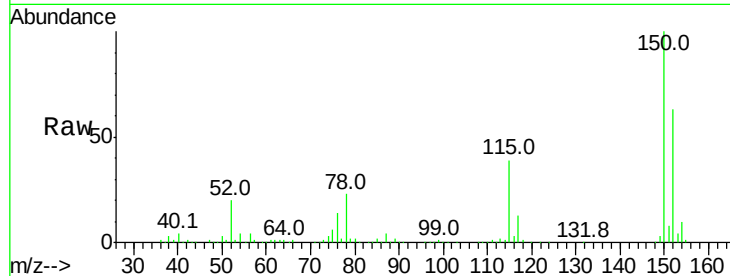


#1

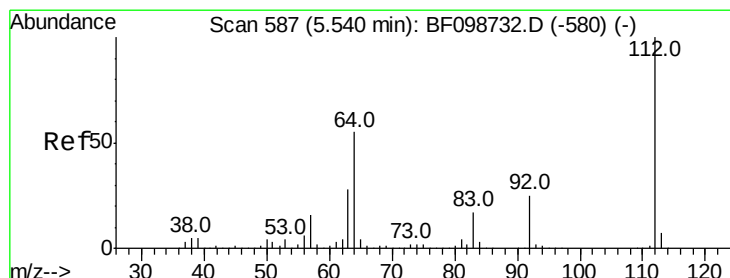
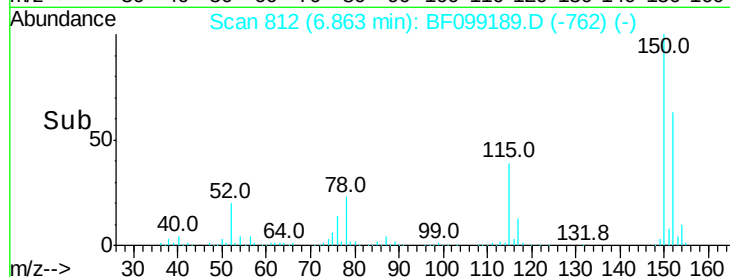
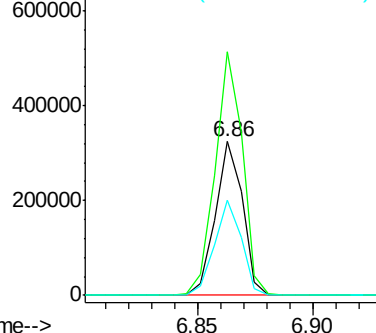
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF099189.D  
Acq: 7 Oct 2017 12:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 267204  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.6 186.8  
115 61.7 50.1 75.1



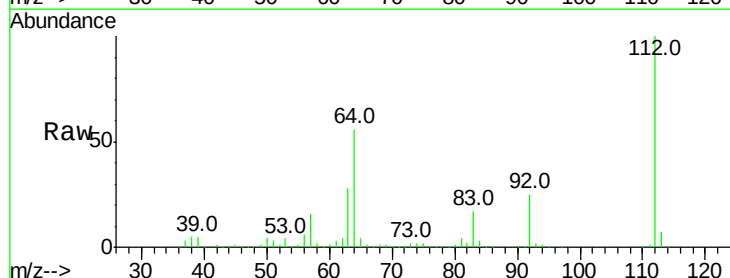
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



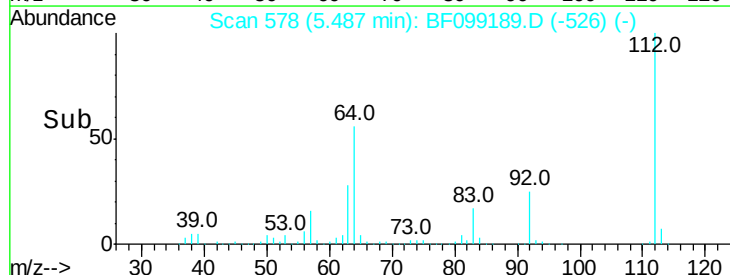
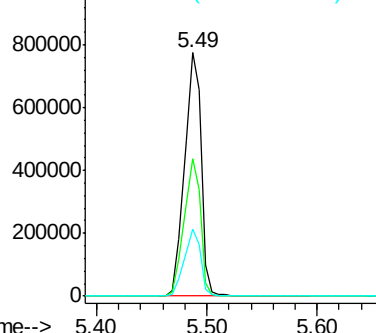
#5

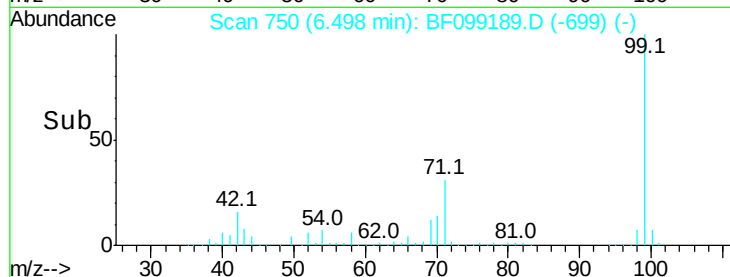
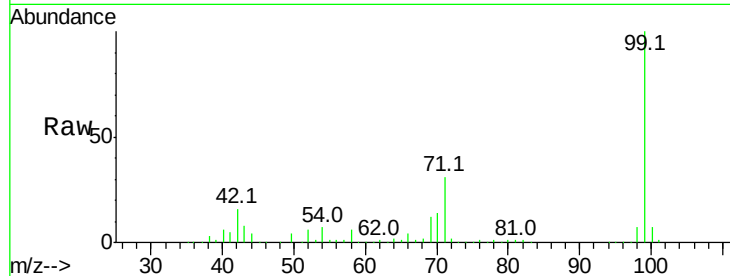
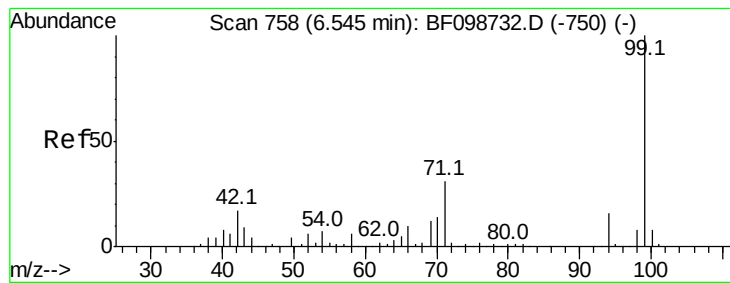
2-Fluorophenol  
Concen: 47.609 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF099189.D  
Acq: 7 Oct 2017 12:50

Tgt Ion:112 Resp: 799121  
Ion Ratio Lower Upper  
112 100  
64 56.2 47.9 71.9  
63 27.6 23.7 35.5



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: 46.363 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Instrument :

BNA\_F

ClientSampleId :

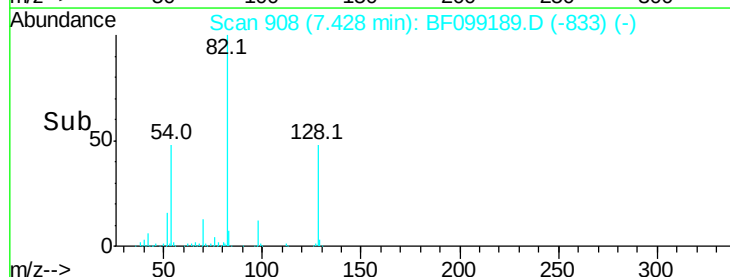
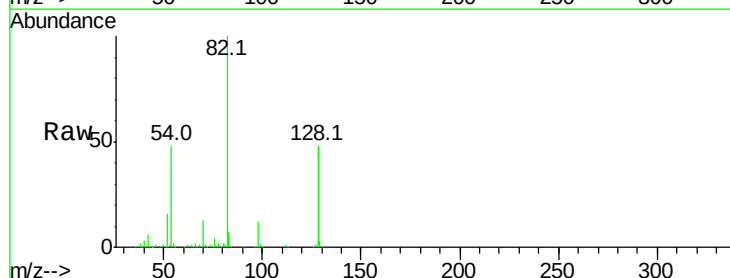
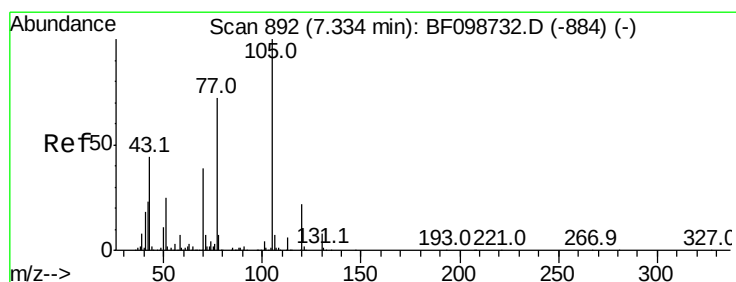
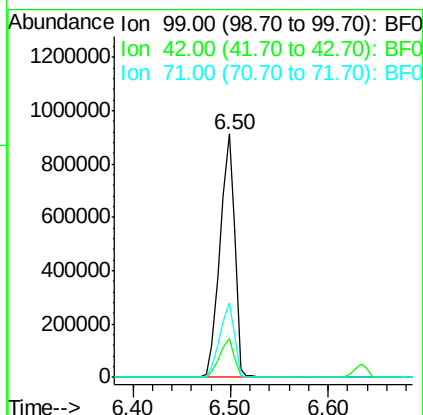
Tot Ion: 99 Resp: 960005

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 30.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.594 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Tgt Ion: 70 Resp: 73950

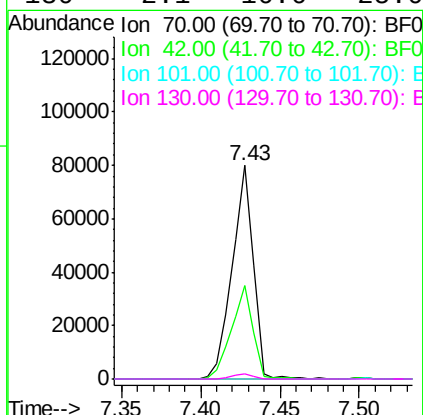
Ion Ratio Lower Upper

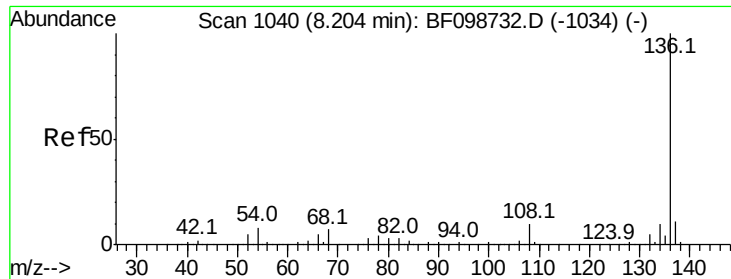
70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



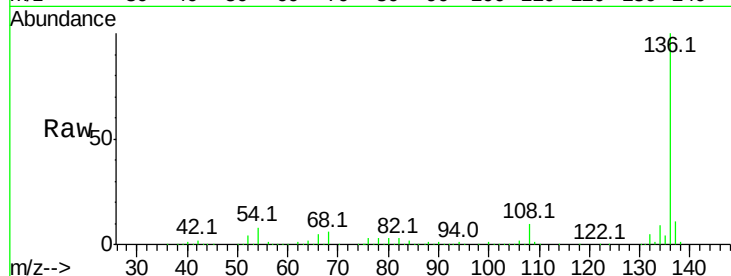


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF099189.D  
Acq: 7 Oct 2017 12:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:136 Resp: 1066633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.9   | 13.3  |
| 54  | 7.7   | 6.6   | 9.8   |
| 68  | 6.1   | 5.0   | 7.4   |

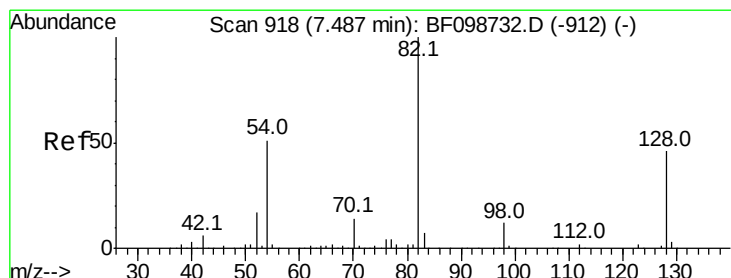
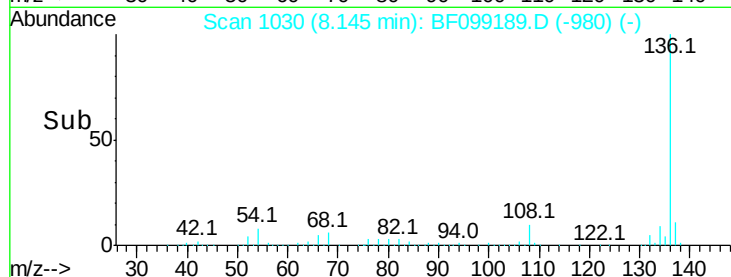
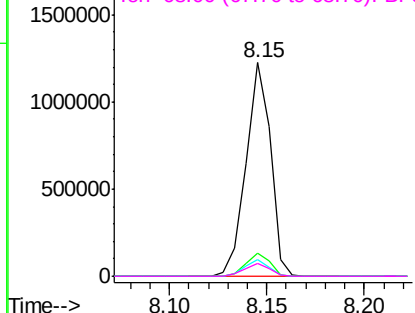


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

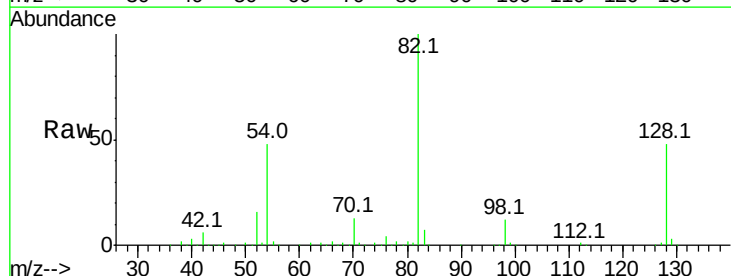
Ion 68.00 (67.70 to 68.70): BF0



#23  
Nitrobenzene-d5  
Concen: 34.332 ng  
RT: 7.43 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BF099189.D  
Acq: 7 Oct 2017 12:50

Tgt Ion: 82 Resp: 571029

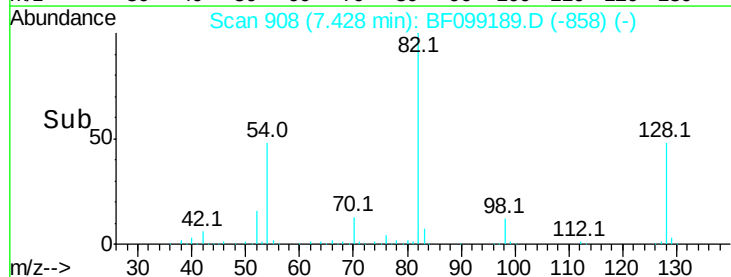
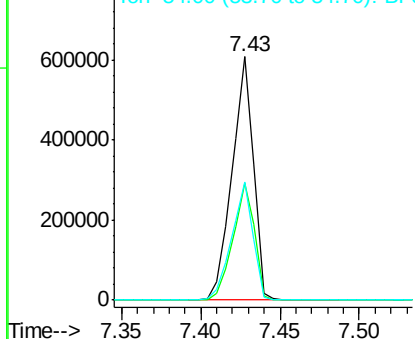
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.9  | 36.1  | 54.1  |
| 54  | 48.4  | 41.4  | 62.2  |

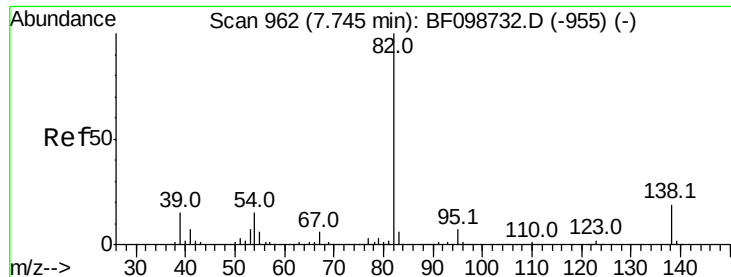


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 16.606 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Instrument :

BNA\_F

ClientSampleId :

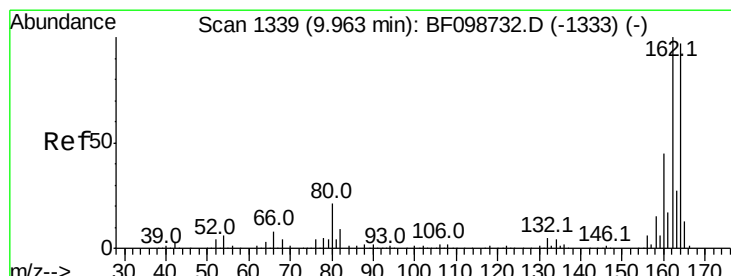
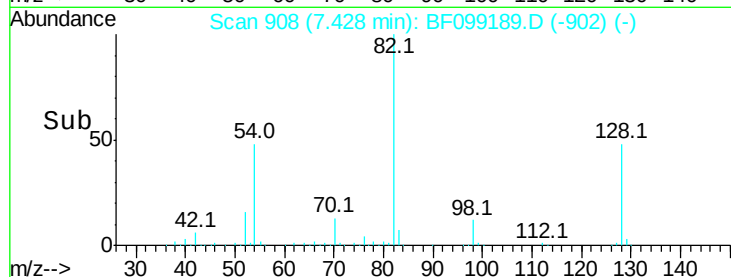
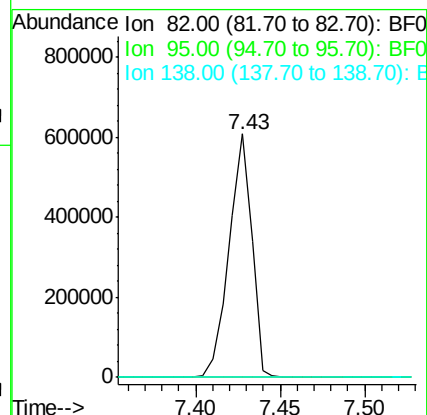
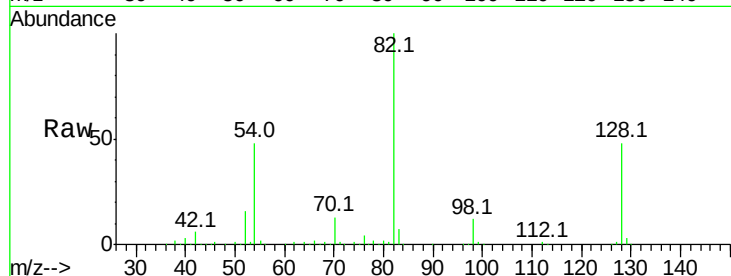
Tot Ion: 82 Resp: 571022

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

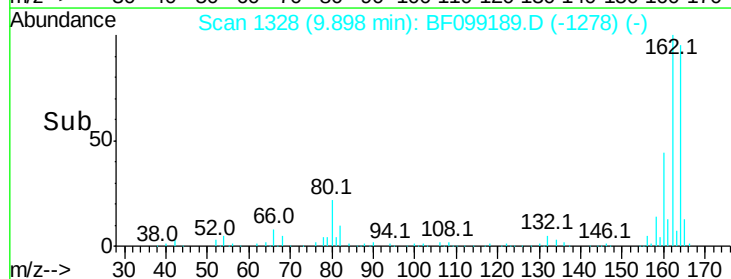
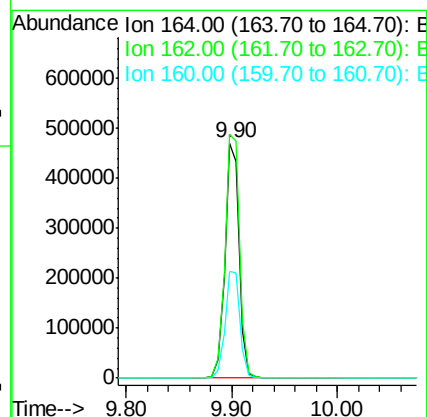
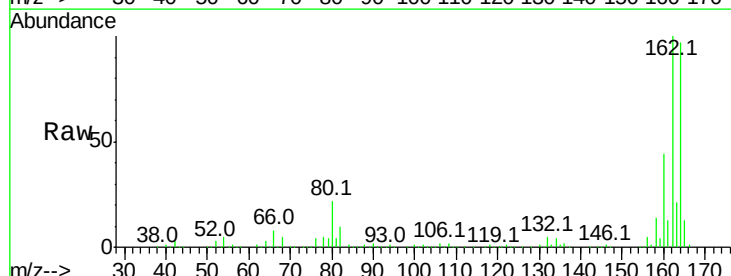
Tgt Ion:164 Resp: 446997

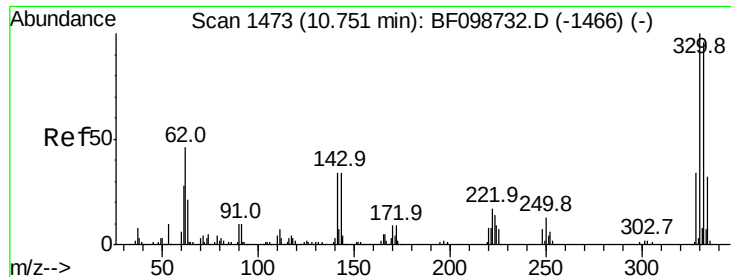
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 45.2 38.3 57.5

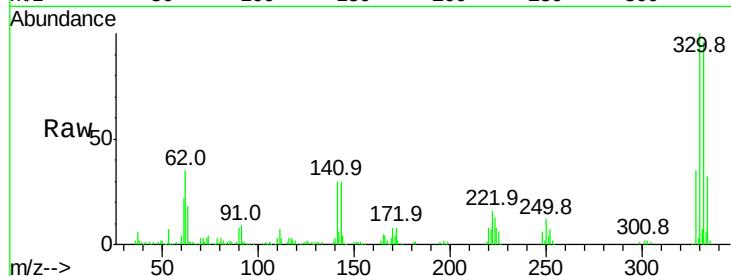




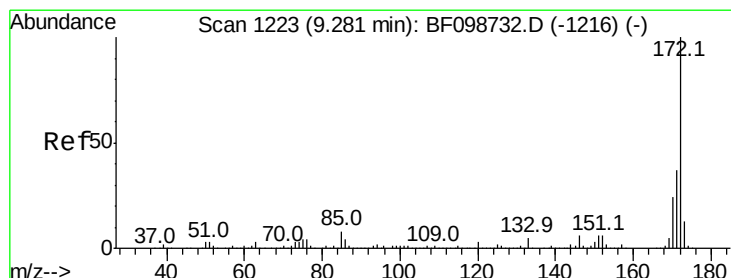
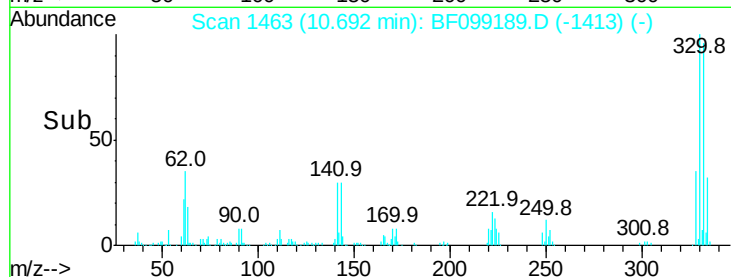
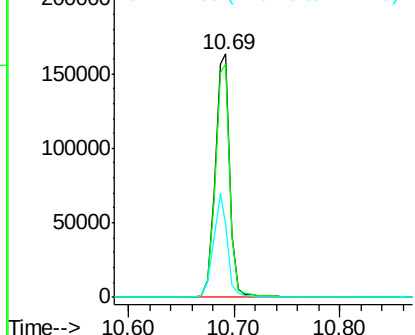
#41  
 2,4,6-Tribromophenol  
 Concen: 44.316 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF099189.D  
 Acq: 7 Oct 2017 12:50

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 40.5  | 29.9  | 44.9  |

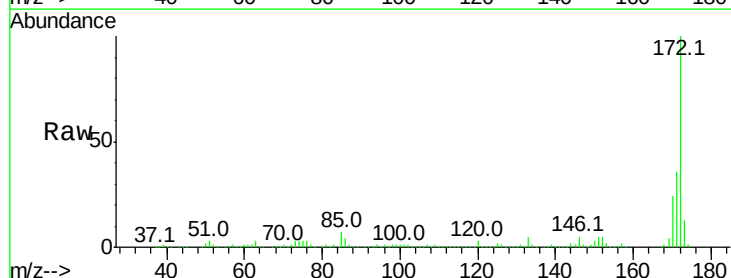


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

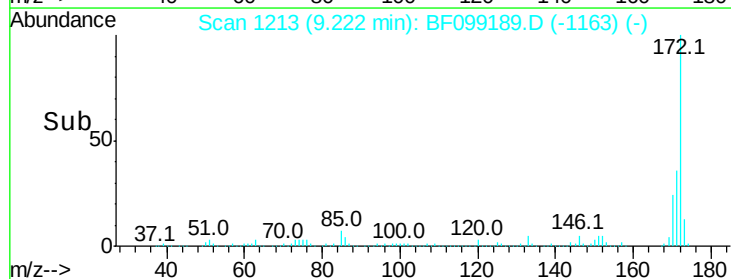
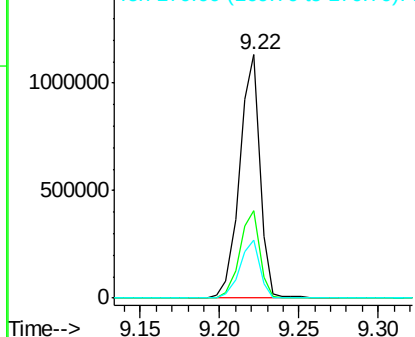


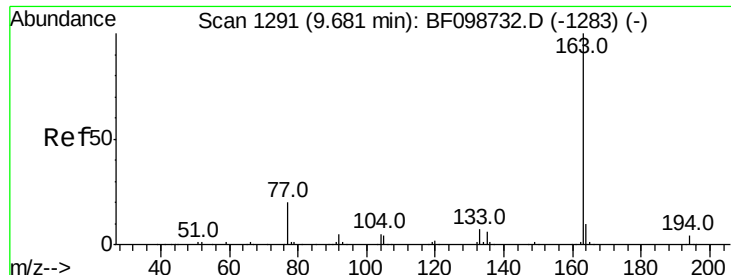
#44  
 2-Fluorobiphenyl  
 Concen: 37.583 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF099189.D  
 Acq: 7 Oct 2017 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.7  | 44.5  |
| 170     | 24.0  | 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: 3.810 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Instrument :

BNA\_F

ClientSampleId :

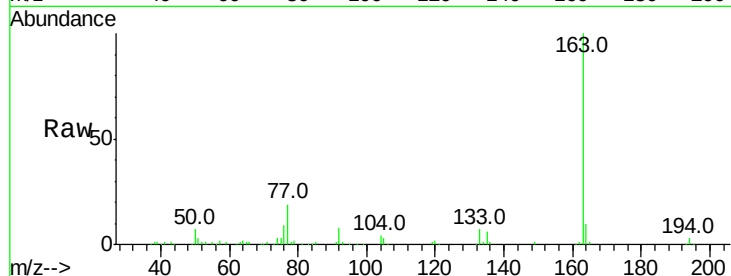
Tot Ion:163 Resp: 128546

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

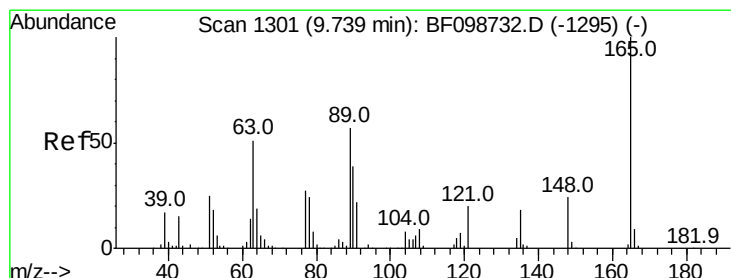
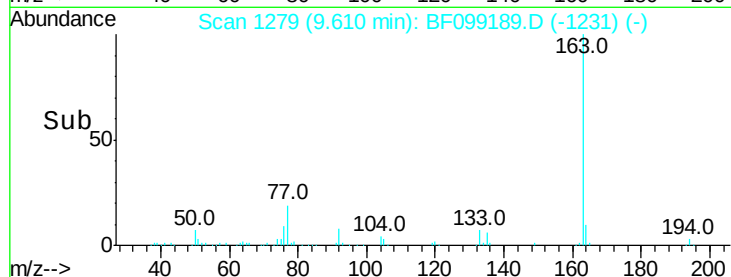
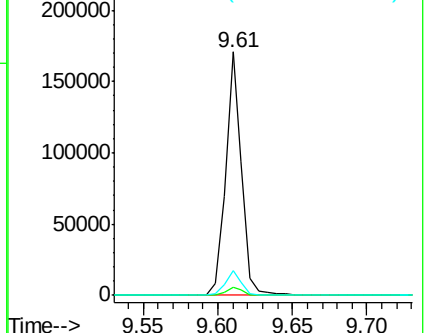
164 10.0 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.878 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

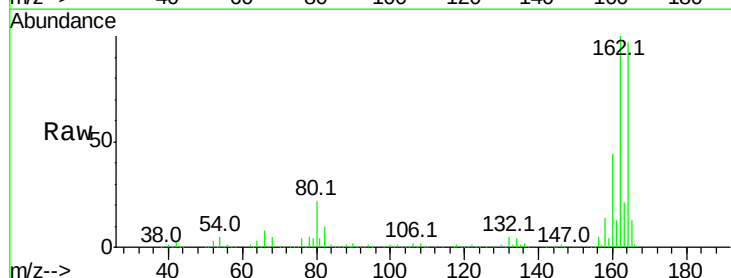
Tgt Ion:165 Resp: 57865

Ion Ratio Lower Upper

165 100

63 0.9 44.7 67.1#

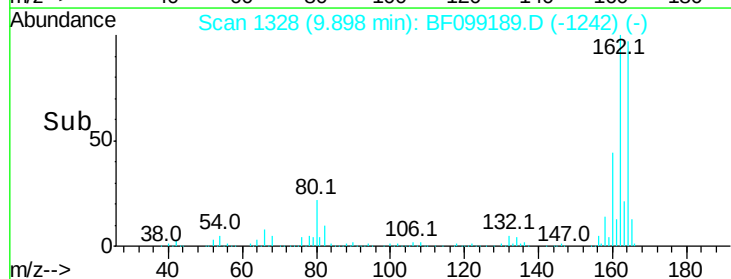
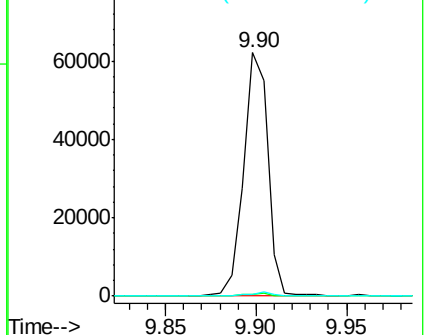
89 0.9 44.0 66.0#



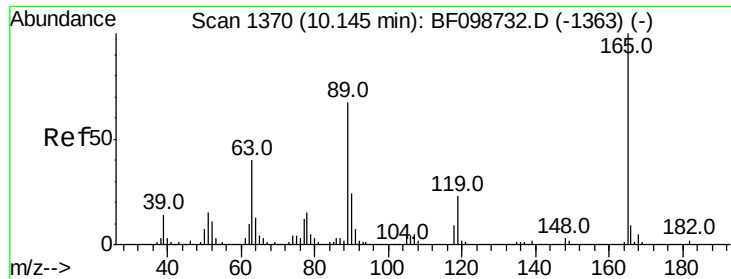
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0







#56

2,4-Dinitrotoluene

Concen: 6.071 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 57865

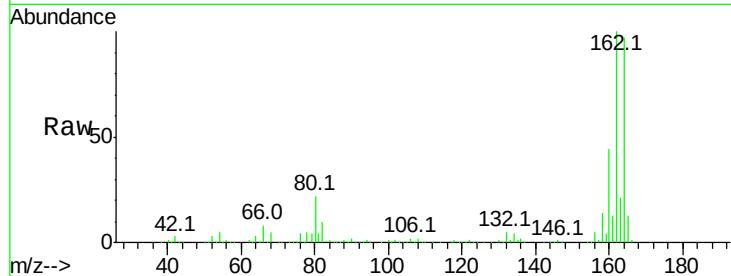
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 0.9 57.8 86.6#

182 0.0 1.6 2.4#

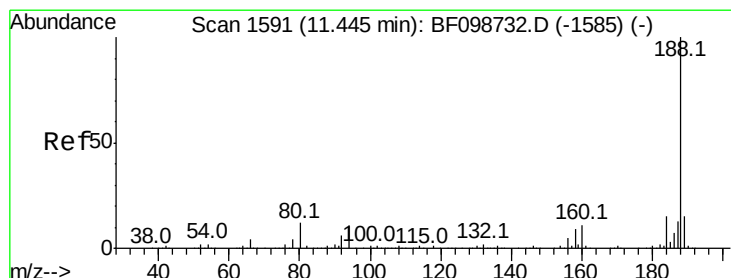
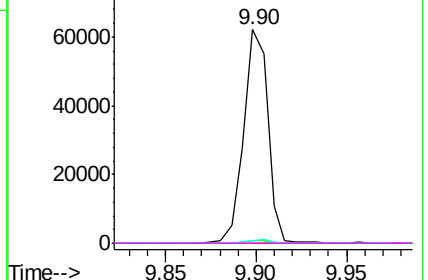
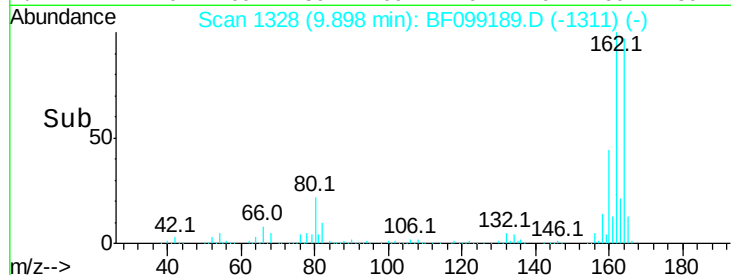


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

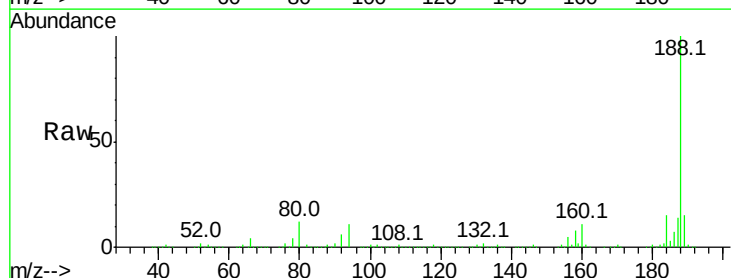
Tgt Ion:188 Resp: 666978

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

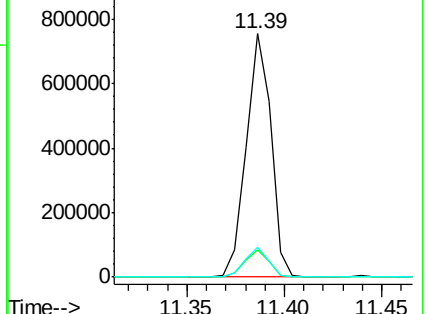
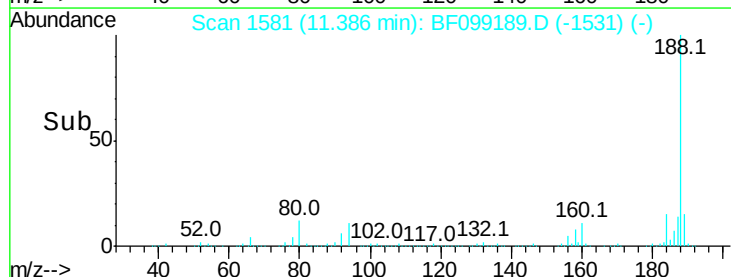
80 12.2 9.2 13.8

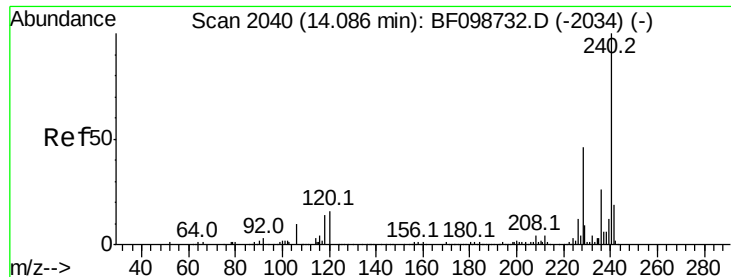


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

Instrument :

BNA\_F

ClientSampleId :

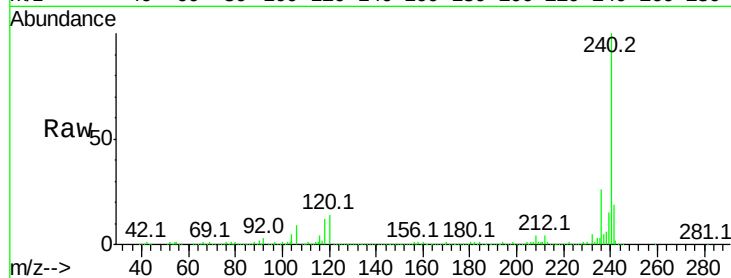
Tot Ion:240 Resp: 447226

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

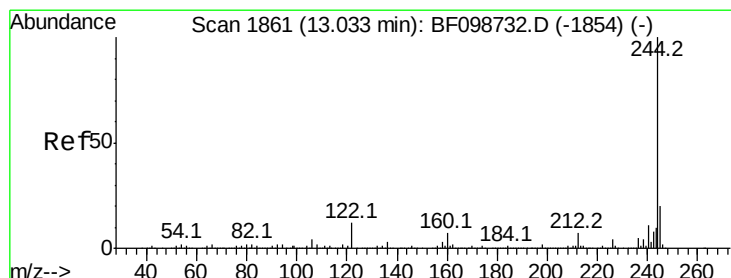
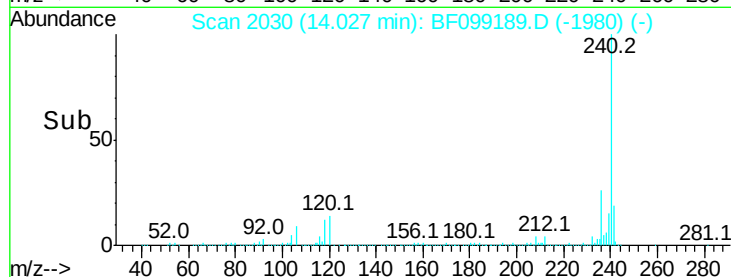
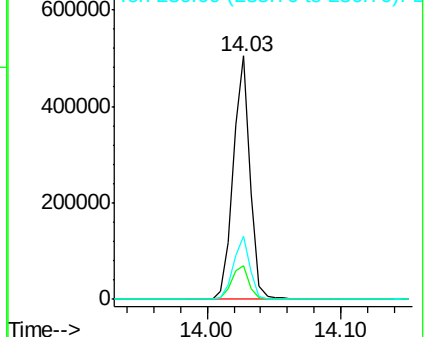
236 26.0 20.7 31.1



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: 31.864 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099189.D

Acq: 7 Oct 2017 12:50

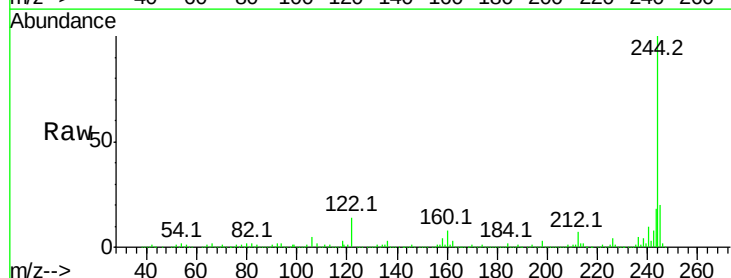
Tgt Ion:244 Resp: 626609

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

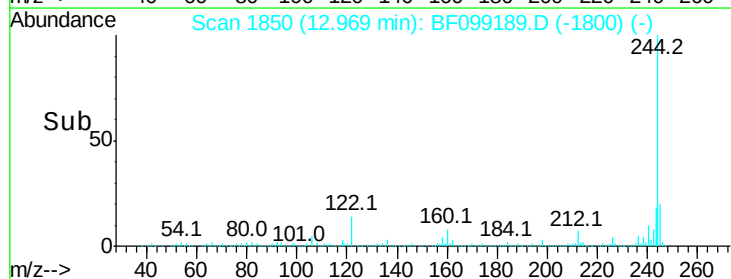
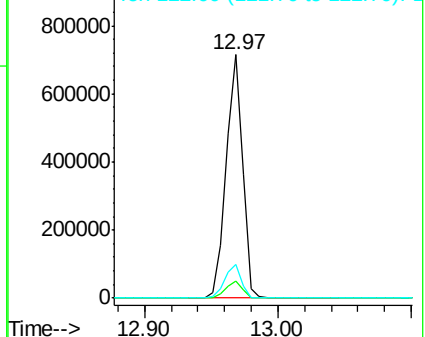
122 14.1 11.0 16.4

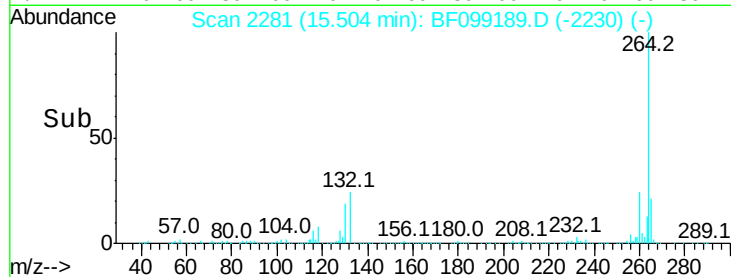
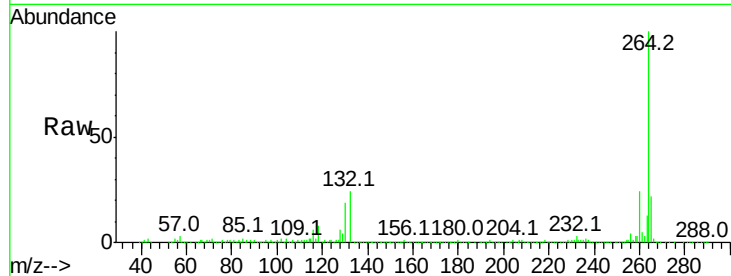
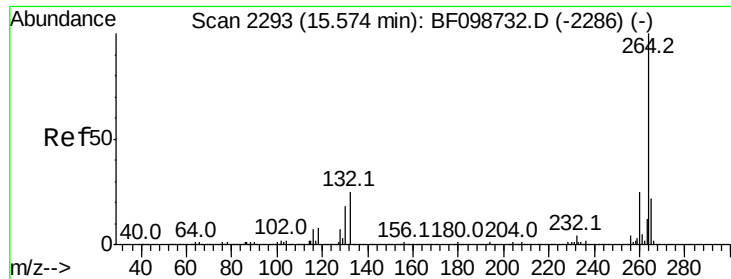


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. 0.00 min  
 Lab File: BF099189.D  
 Acq: 7 Oct 2017 12:50

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

