

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\  
 Data File : BF096748.D  
 Acq On : 14 Jul 2017 00:54  
 Operator : SJ/JU  
 Sample : I4145-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Jul 14 04:49:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

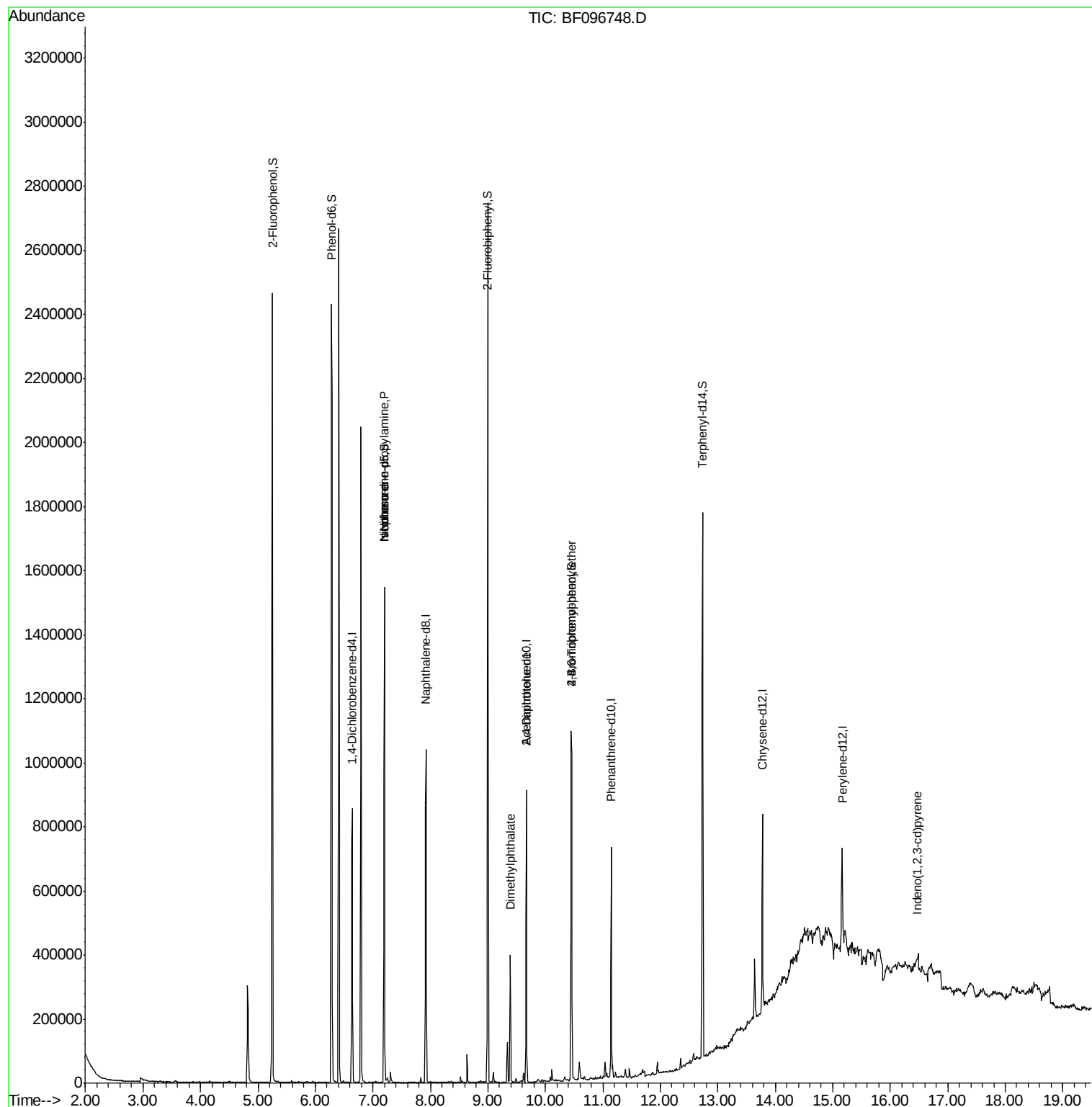
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.64  | 152  | 121468   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.92  | 136  | 451844   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.67  | 164  | 165569   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.15 | 188  | 243713   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.77 | 240  | 196843   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.16 | 264  | 144421   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.25  | 112  | 738496   | 91.41 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.28  | 99   | 897019   | 92.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 495525   | 67.93 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.46 | 330  | 121852   | 86.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.00  | 172  | 813418   | 77.62 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.73 | 244  | 508896   | 44.84 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70   | 65834    | 11.27 | ng    | # 89     |
| 25) Isophorone                 | 7.20  | 82   | 482306   | 35.54 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.39  | 163  | 149740   | 12.01 | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.67  | 165  | 20536    | 5.92  | ng    | # 31     |
| 66) 4-Bromophenyl-phenylether  | 10.45 | 248  | 8110     | 3.26  | ng    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 16.46 | 276  | 3468     | 3.63  | ng    | # 73     |

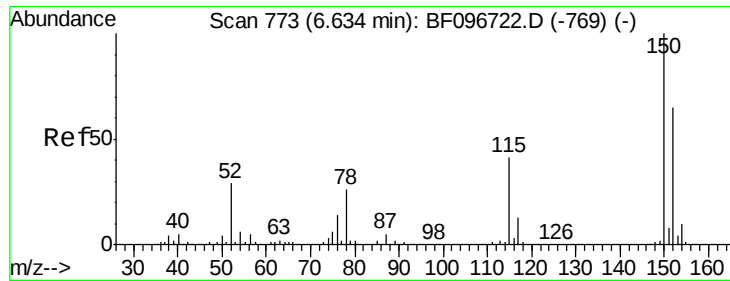
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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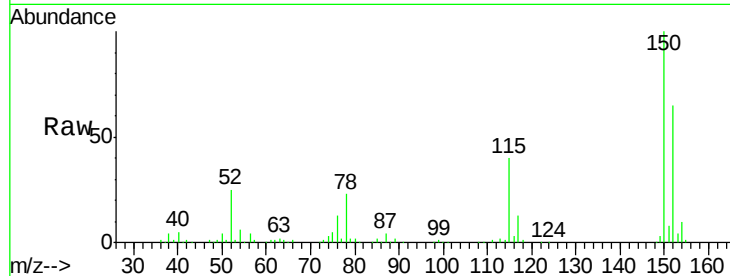


#1

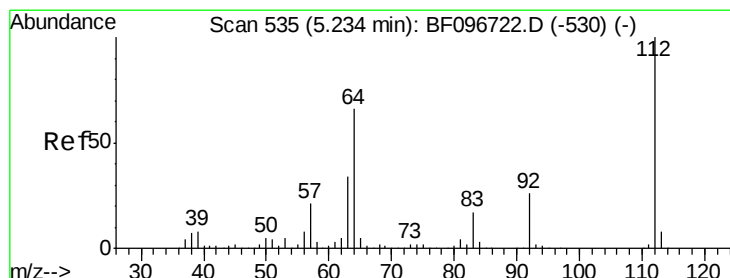
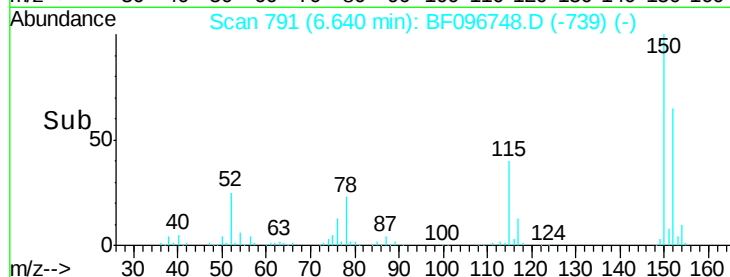
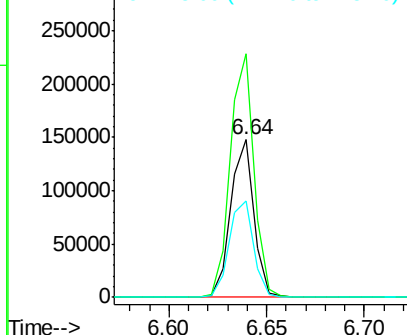
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.64 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tot Ion:152 Resp: 121468  
Ion Ratio Lower Upper  
152 100  
150 154.6 126.2 189.2  
115 61.3 52.2 78.2



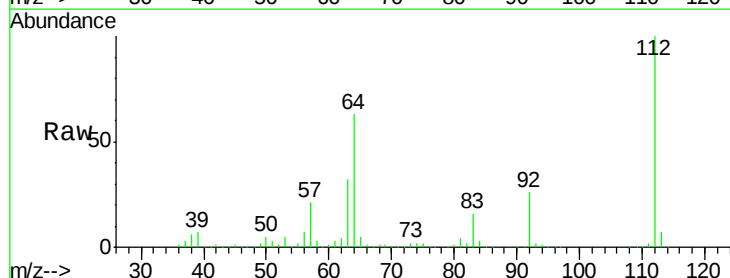
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



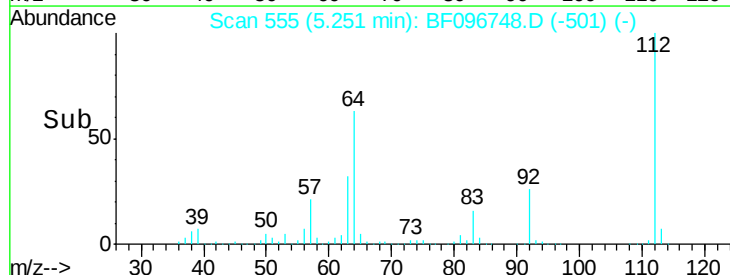
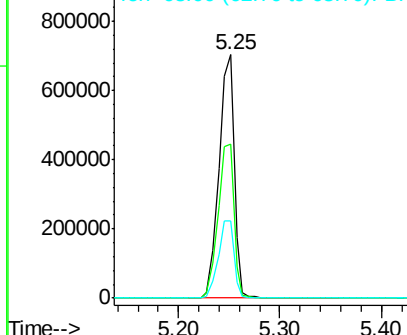
#5

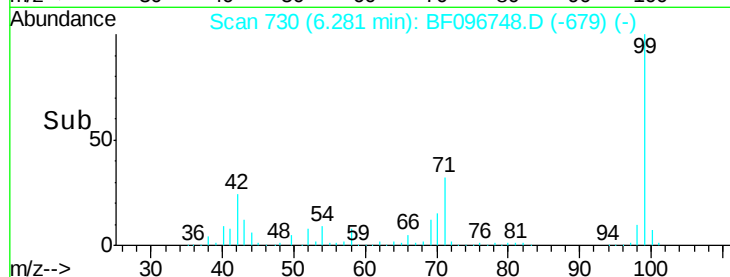
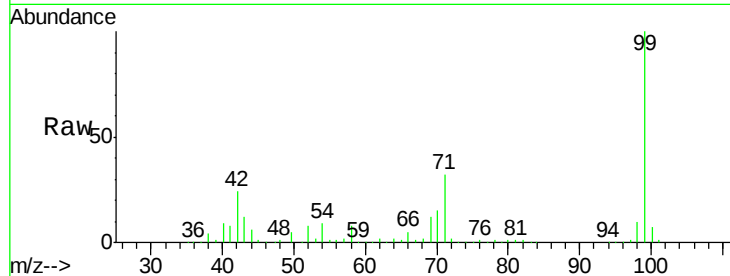
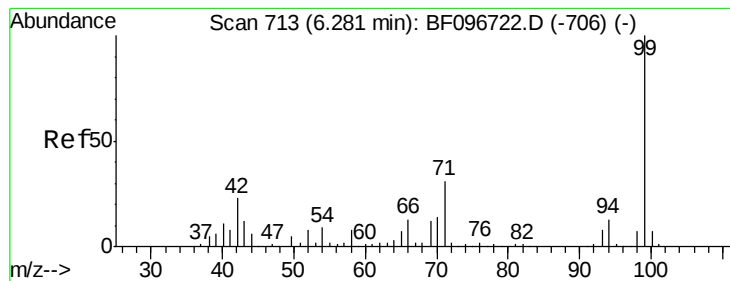
2-Fluorophenol  
Concen: 91.41 ng  
RT: 5.25 min Scan# 555  
Delta R.T. 0.02 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Tgt Ion:112 Resp: 738496  
Ion Ratio Lower Upper  
112 100  
64 63.0 46.0 69.0  
63 31.5 23.4 35.0



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: 92.53 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

DFTPP

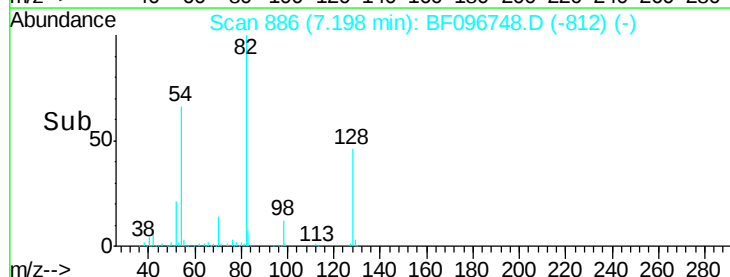
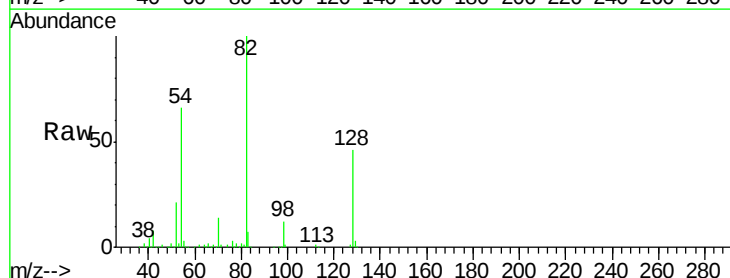
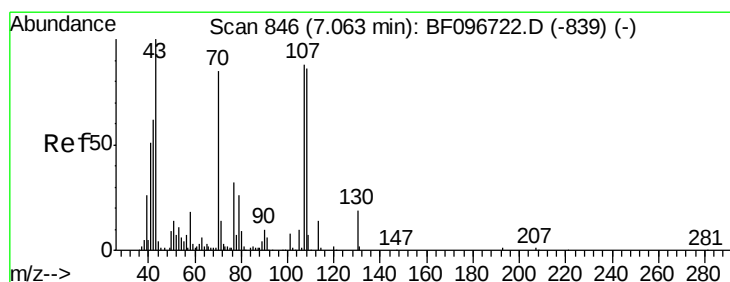
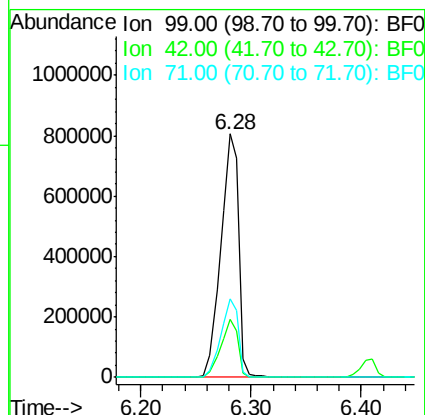
Tot Ion: 99 Resp: 897019

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

71 32.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.27 ng

RT: 7.20 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Tgt Ion: 70 Resp: 65834

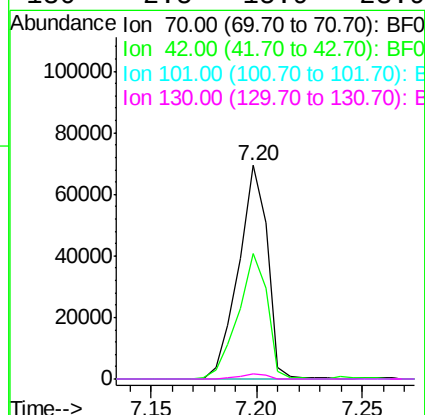
Ion Ratio Lower Upper

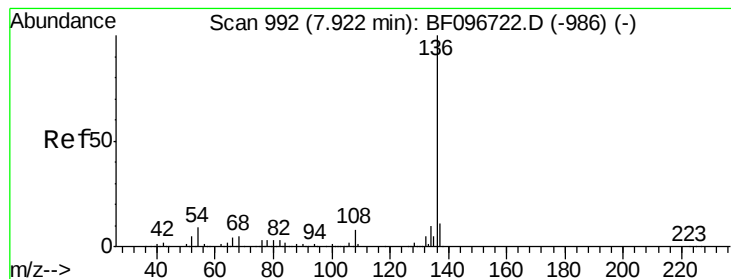
70 100

42 58.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

DFTPP

Tot Ion:136 Resp: 451844

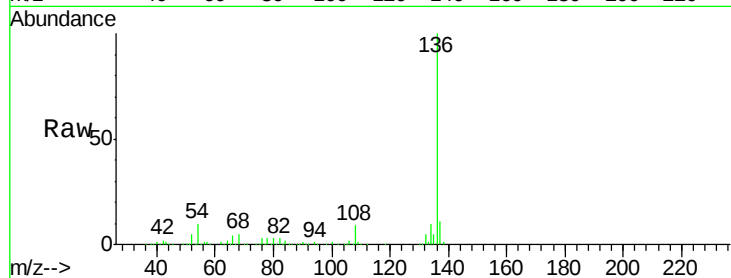
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.9 4.9 7.3#

68 5.2 4.1 6.1

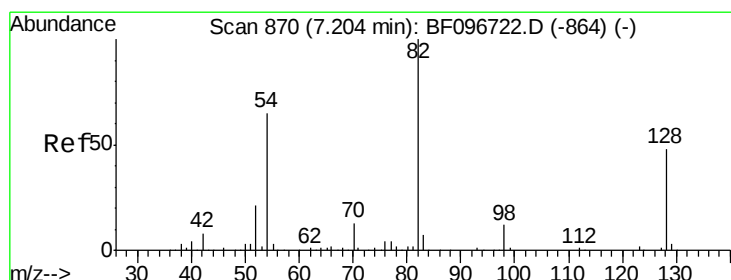
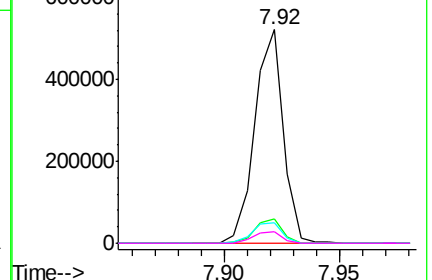
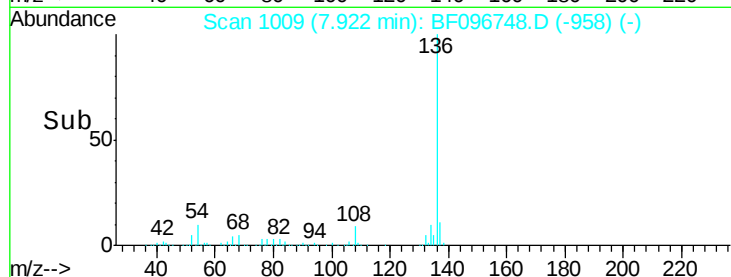


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.93 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

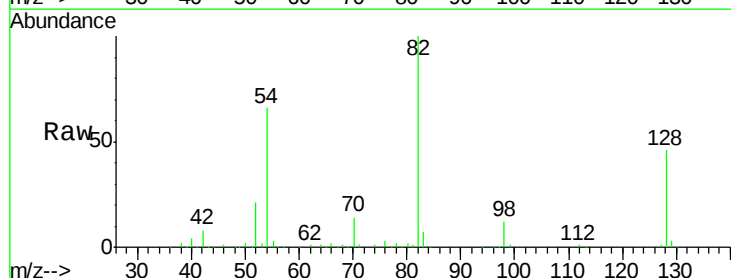
Tgt Ion: 82 Resp: 495525

Ion Ratio Lower Upper

82 100

128 46.3 34.0 51.0

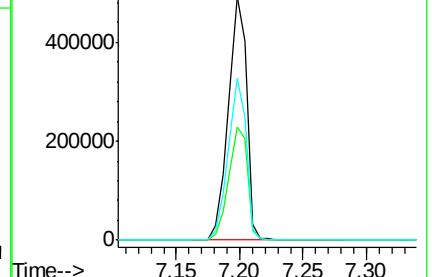
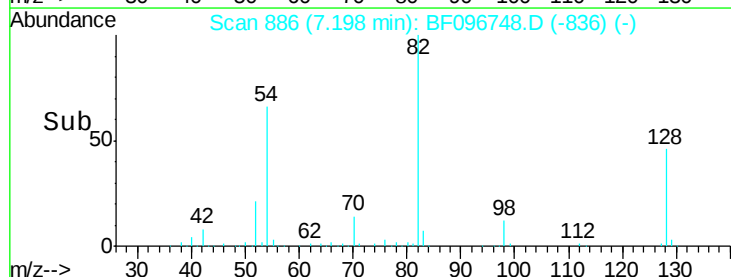
54 66.2 42.2 63.2#

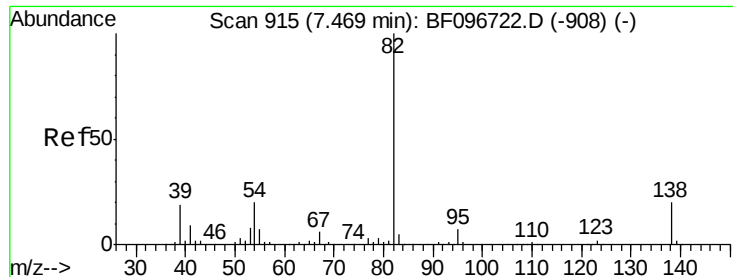


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.54 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

DFTPP

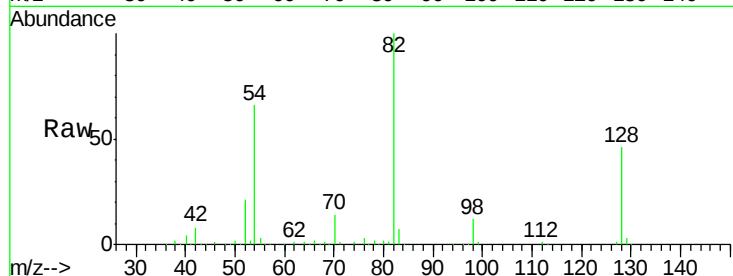
Tot Ion: 82 Resp: 482306

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

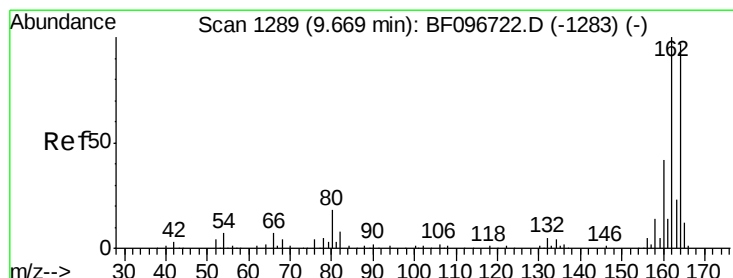
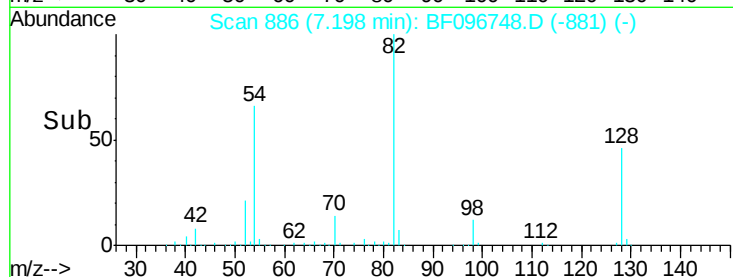
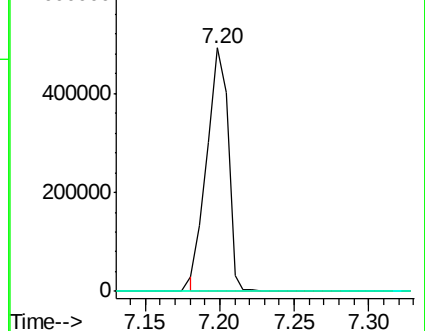
138 0.0 13.1 19.7#



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: 9.67 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

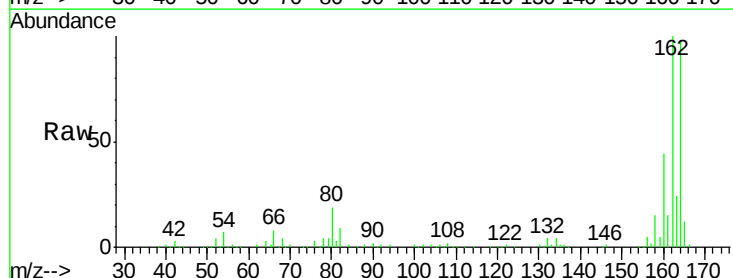
Tgt Ion: 164 Resp: 165569

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

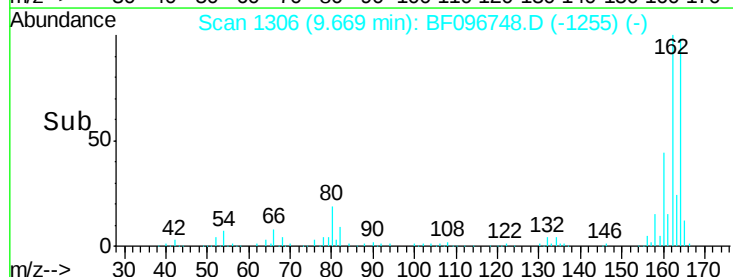
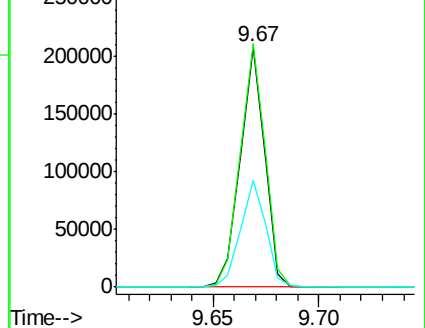
160 44.6 36.2 54.2

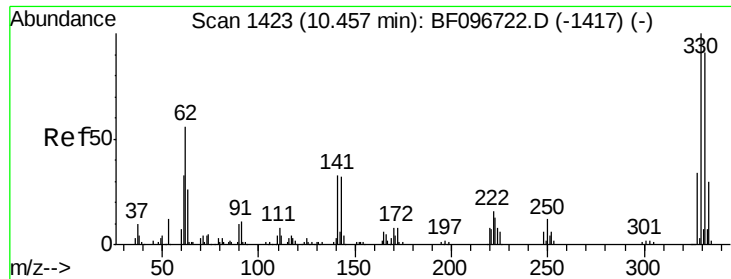


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

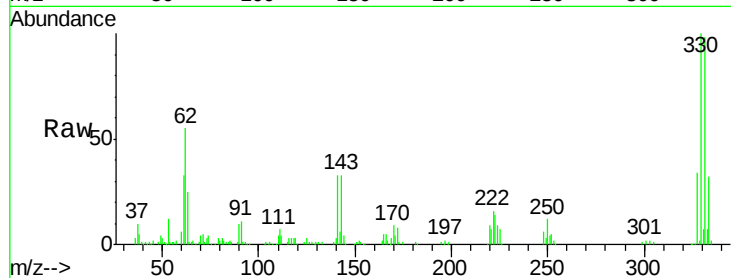




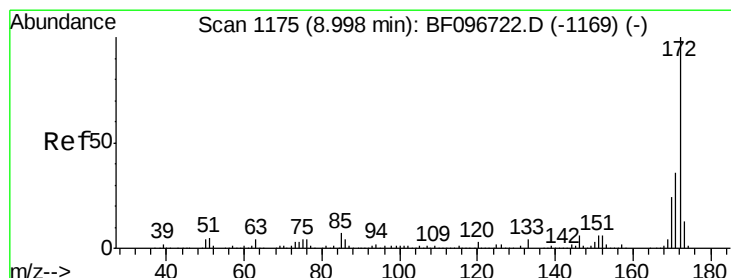
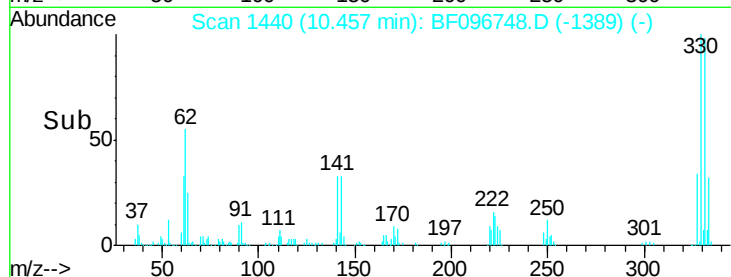
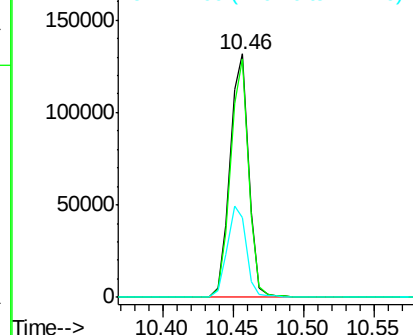
#41  
 2,4,6-Tribromophenol  
 Concen: 86.22 ng  
 RT: 10.46 min Scan# 1440  
 Delta R.T. -0.00 min  
 Lab File: BF096748.D  
 Acq: 14 Jul 2017 00:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 76.6  | 115.0 |
| 141     | 37.9  | 31.4  | 47.2  |

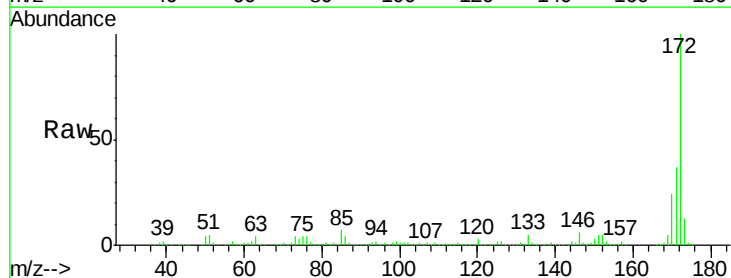


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

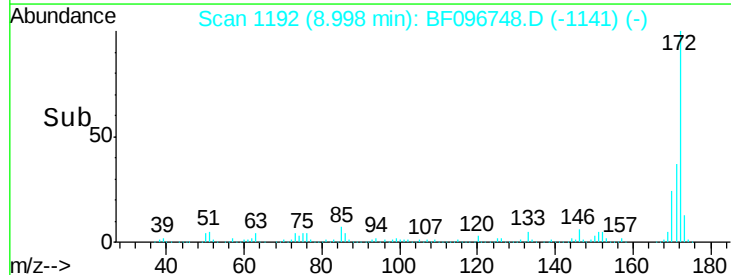
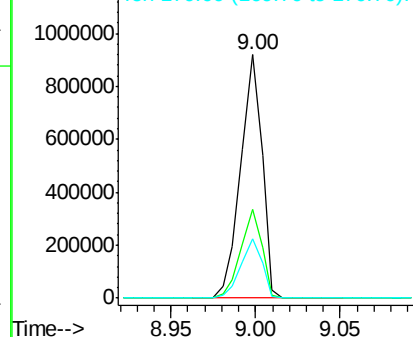


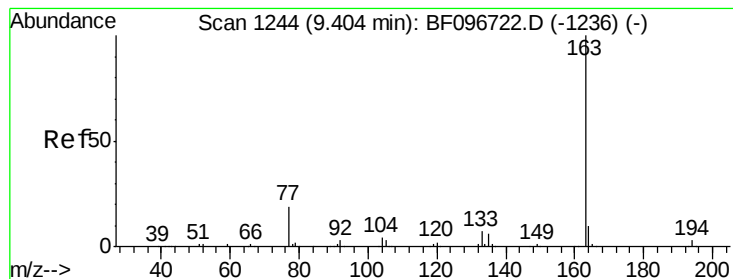
#44  
 2-Fluorobiphenyl  
 Concen: 77.62 ng  
 RT: 9.00 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BF096748.D  
 Acq: 14 Jul 2017 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.6  | 44.4  |
| 170     | 24.4  | 19.8  | 29.8  |



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: 12.01 ng

RT: 9.39 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

DFTPP

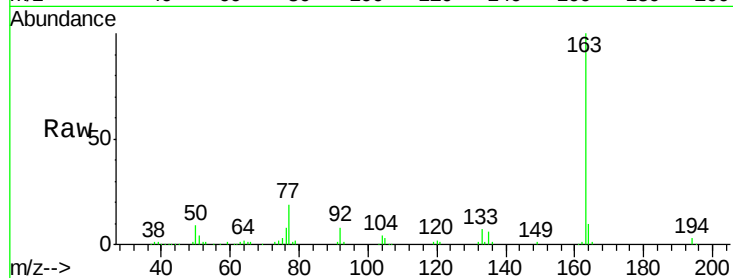
Tot Ion:163 Resp: 149740

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

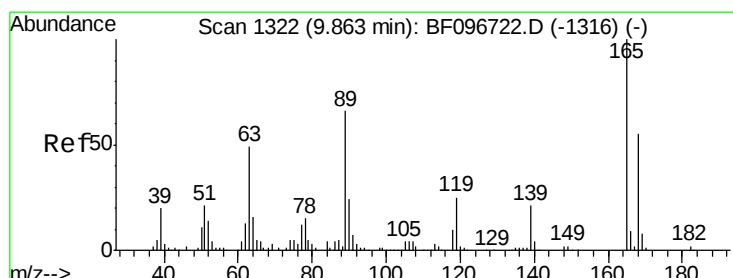
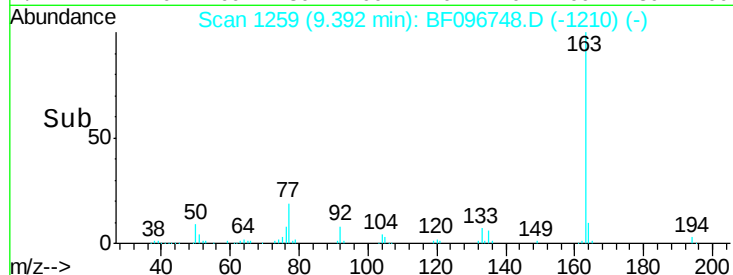
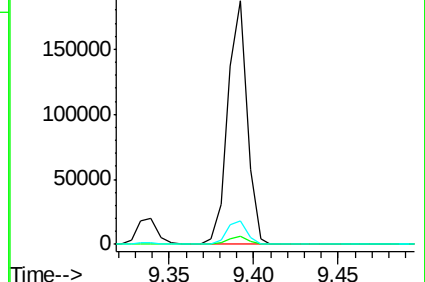
164 9.8 8.4 12.6



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: 5.92 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Tgt Ion:165 Resp: 20536

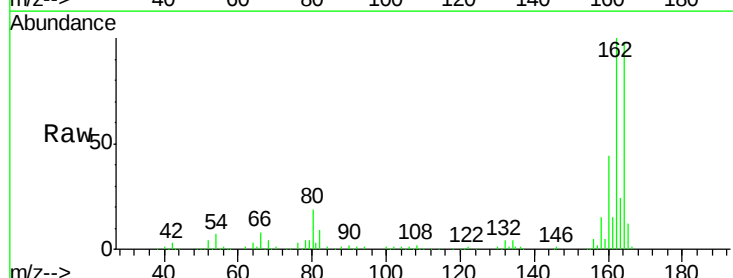
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

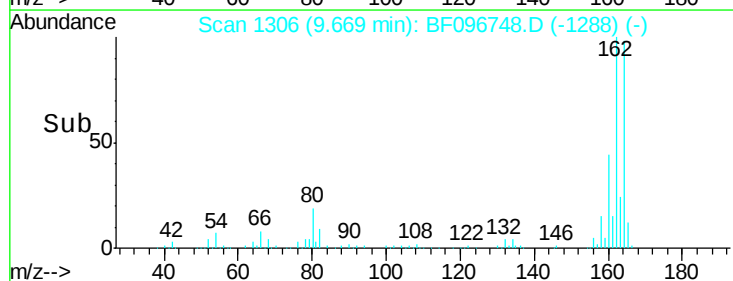
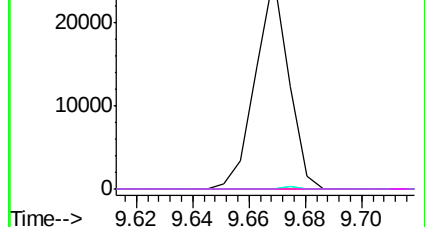


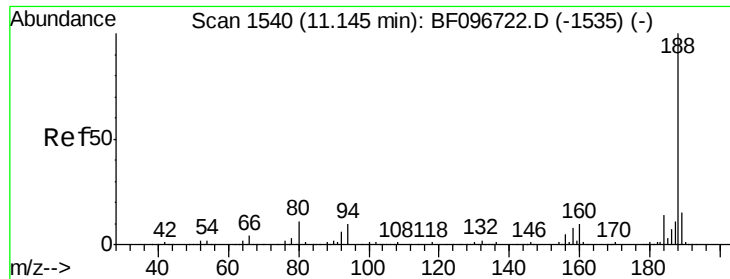
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

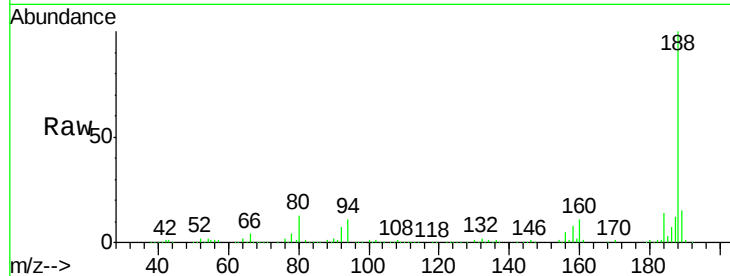




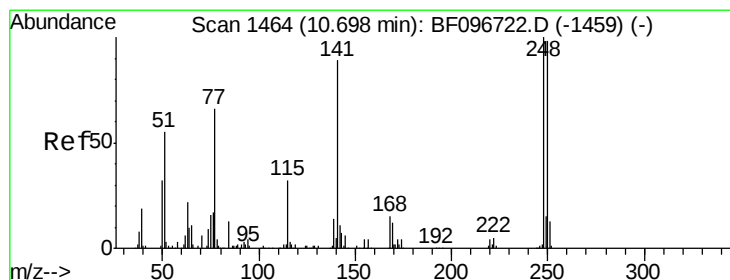
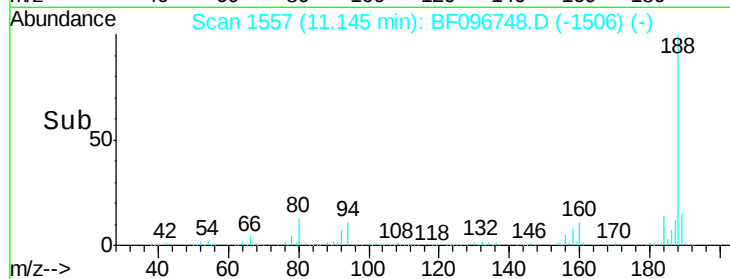
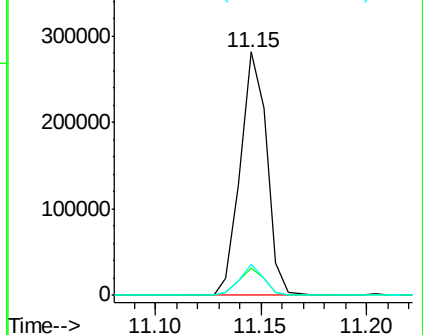
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.15 min Scan# 1557  
Delta R.T. -0.00 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Tot Ion:188 Resp: 243713  
Ion Ratio Lower Upper  
188 100  
94 11.3 9.4 14.2  
80 12.6 10.2 15.2

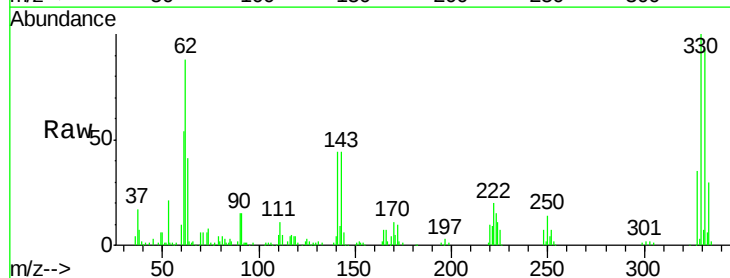


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

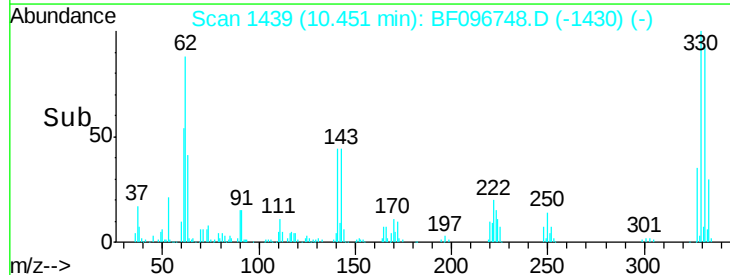
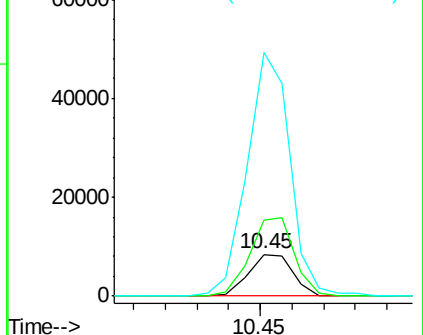


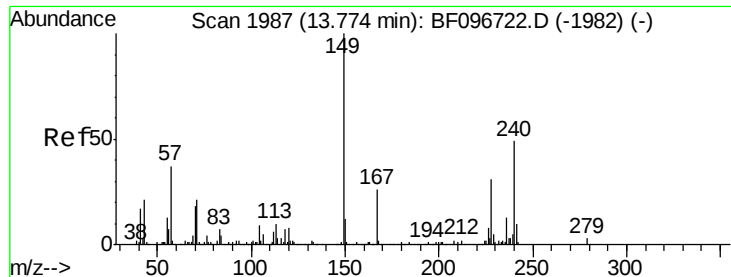
#66  
4-Bromophenyl-phenylether  
Concen: 3.26 ng  
RT: 10.45 min Scan# 1439  
Delta R.T. -0.25 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Tgt Ion:248 Resp: 8110  
Ion Ratio Lower Upper  
248 100  
250 181.9 76.8 115.2#  
141 586.8 68.6 103.0#



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: 13.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

Instrument :

BNA\_F

ClientSampleId :

DFTPP

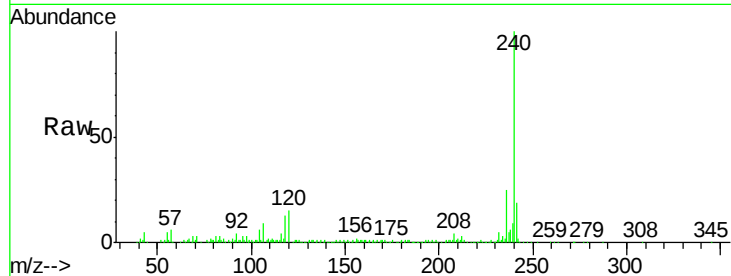
Tot Ion:240 Resp: 196843

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

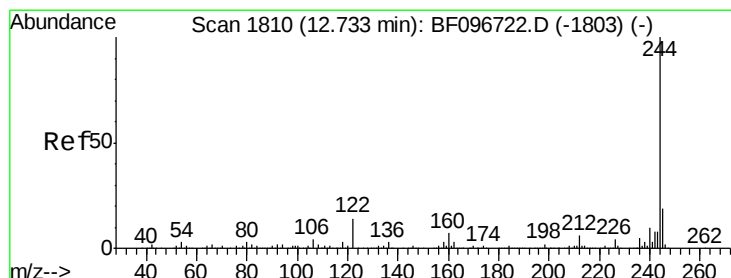
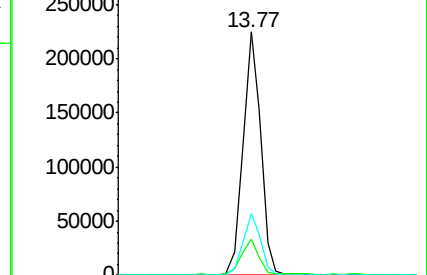
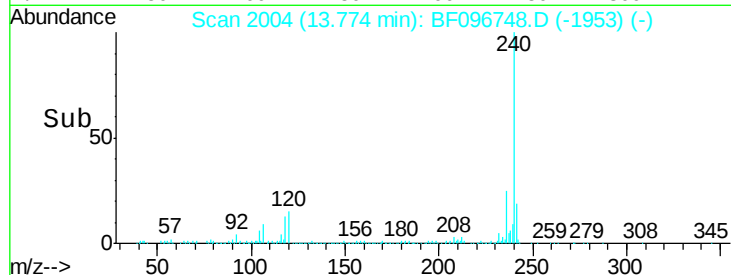
236 25.5 20.5 30.7



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: 44.84 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096748.D

Acq: 14 Jul 2017 00:54

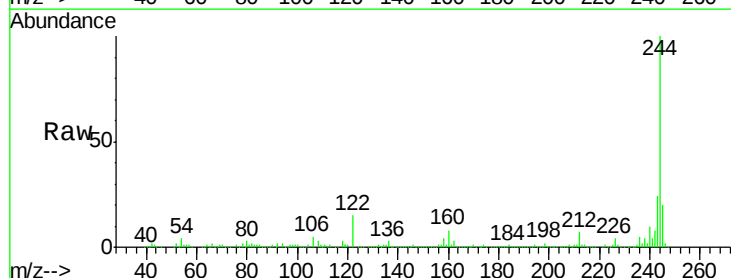
Tgt Ion:244 Resp: 508896

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

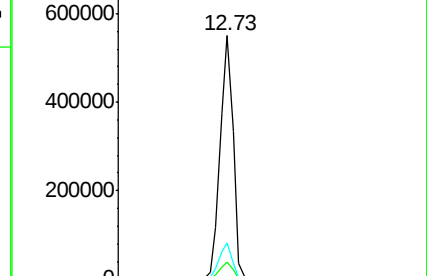
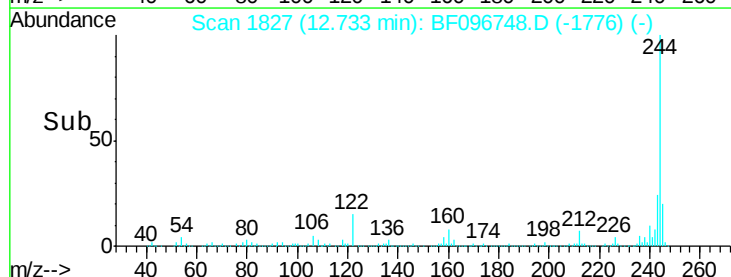
122 14.7 10.3 15.5

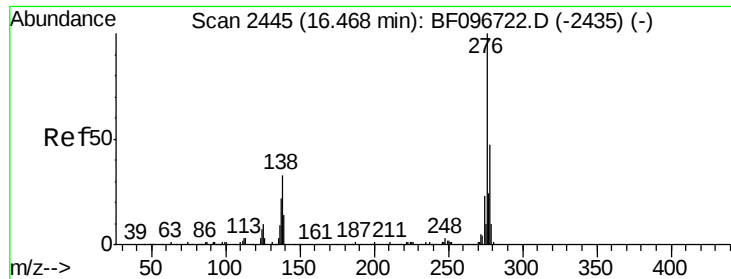


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

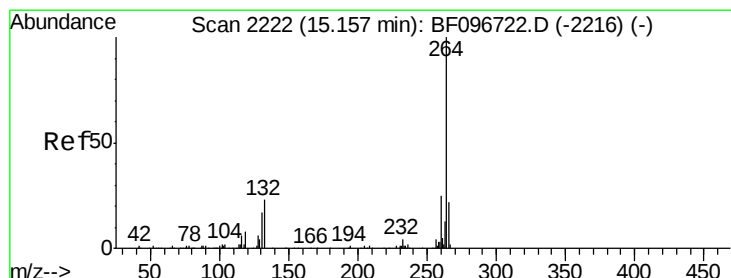
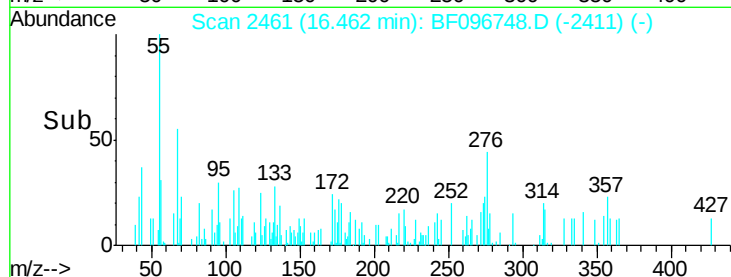
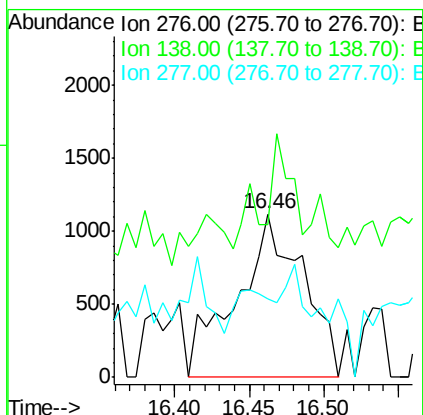
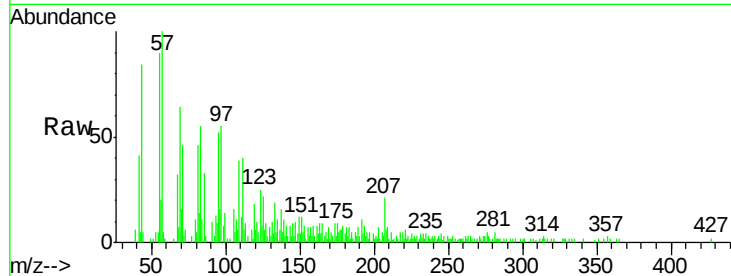




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 3.63 ng  
RT: 16.46 min Scan# 2461  
Delta R.T. -0.01 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Instrument :  
BNA\_F  
ClientSampleID :  
DFTPP

Tot Ion:276 Resp: 3468  
Ion Ratio Lower Upper  
276 100  
138 24.0 27.8 41.6#  
277 6.3 20.2 30.4#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.16 min Scan# 2240  
Delta R.T. 0.01 min  
Lab File: BF096748.D  
Acq: 14 Jul 2017 00:54

Tgt Ion:264 Resp: 144421  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.5 29.3  
265 21.4 17.2 25.8

