

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012717\  
 Data File : BF092617.D  
 Acq On : 28 Jan 2017 10:39  
 Operator : SJ/MA  
 Sample : I1528-10  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-COMP

Quant Time: Jan 29 23:48:02 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

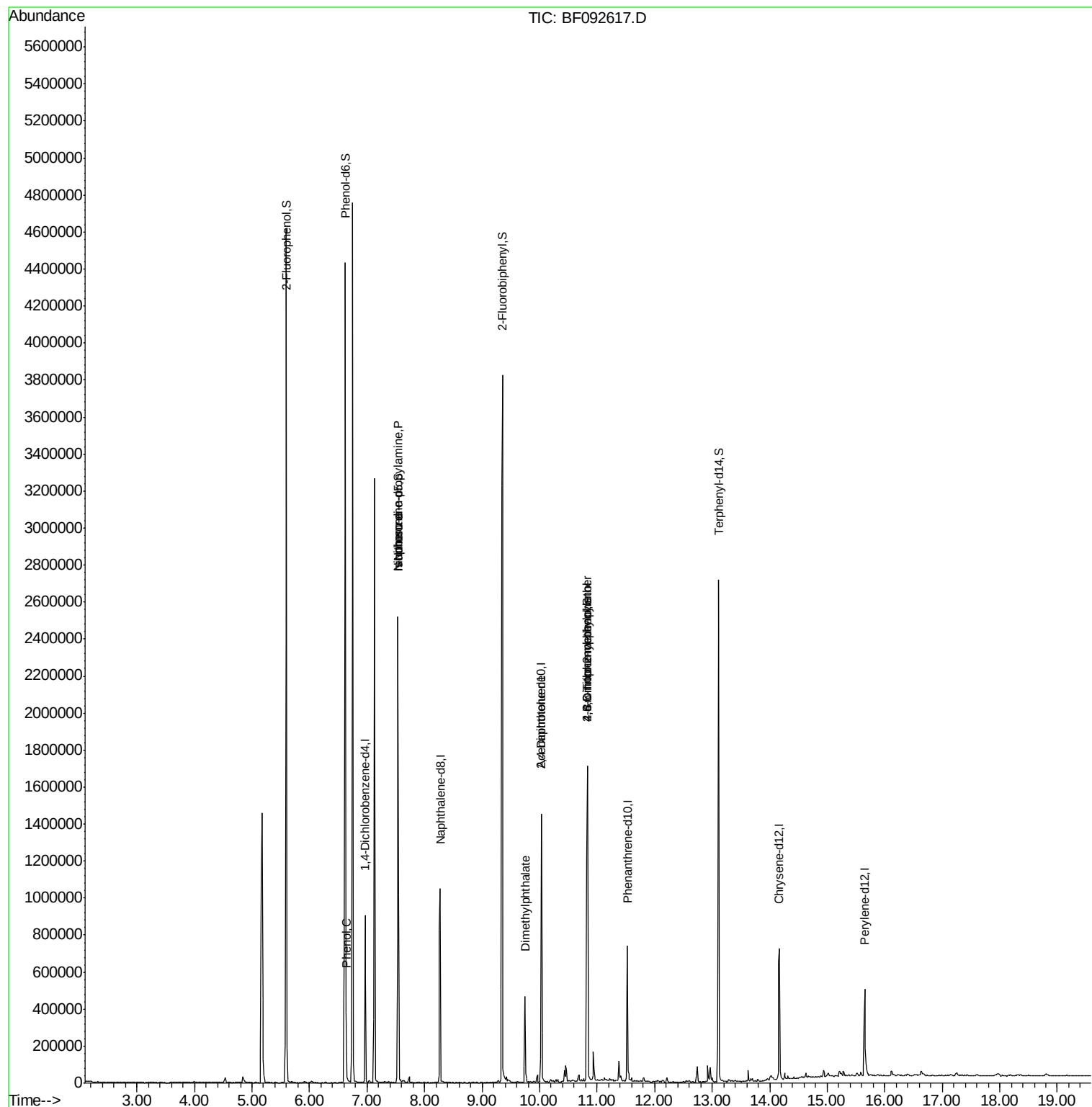
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 171478   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.27  | 136  | 670515   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.03 | 164  | 307510   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.53 | 188  | 416004   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.17 | 240  | 347076   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.65 | 264  | 249529   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 1380641  | 125.27 | ng    | 0.05     |
| 7) Phenol-d6                   | 6.62  | 99   | 1896327  | 135.08 | ng    | 0.03     |
| 23) Nitrobenzene-d5            | 7.54  | 82   | 1013589  | 82.57  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.83 | 330  | 258168   | 123.20 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 9.36  | 172  | 1877951  | 112.93 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.12 | 244  | 1240430  | 95.17  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.64  | 94   | 103928   | 6.13   | ng    | # 63     |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 131791   | 13.79  | ng    | # 82     |
| 25) Isophorone                 | 7.54  | 82   | 819090   | 33.86  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.74  | 163  | 201908   | 10.33  | ng    | 100      |
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 40546    | 7.64   | ng    | # 19     |
| 64) 4,6-Dinitro-2-methylphenol | 10.83 | 198  | 666      | 5.22   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.83 | 248  | 18819    | 4.48   | ng    | # 1      |

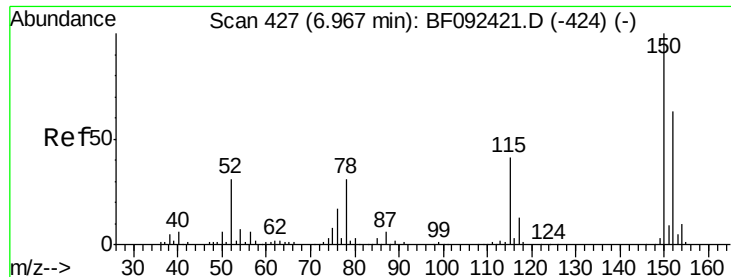
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

Instrument :

BNA\_F

ClientSampleId :

SB-18-COMP

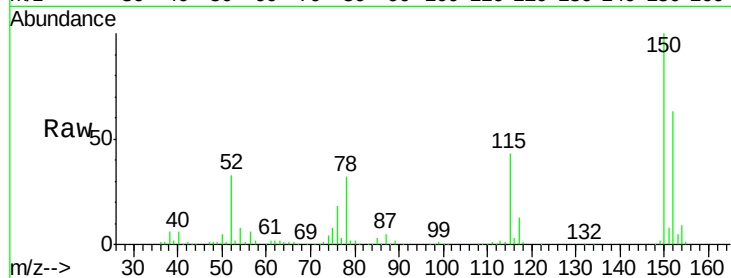
Tgt Ion:152 Resp: 171478

Ion Ratio Lower Upper

152 100

150 158.9 124.9 187.3

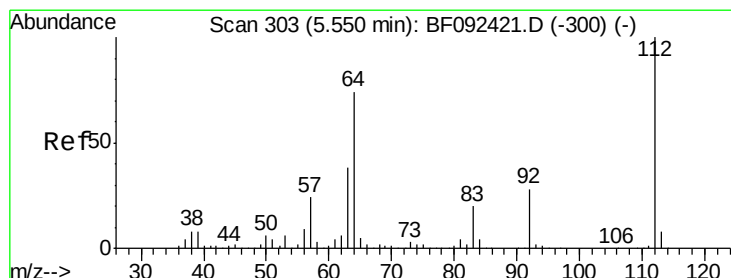
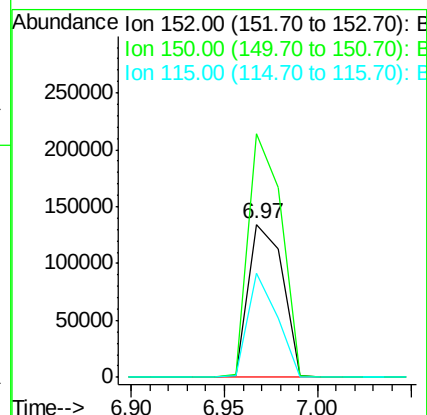
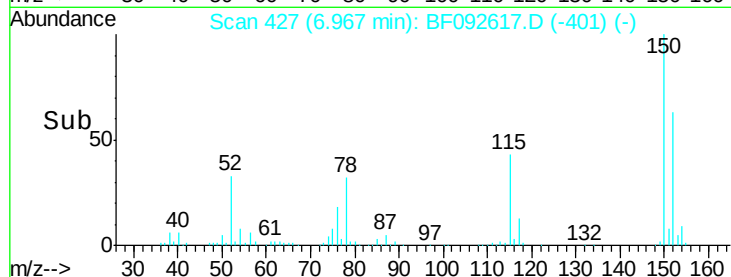
115 67.6 46.0 69.0



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: 125.27 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

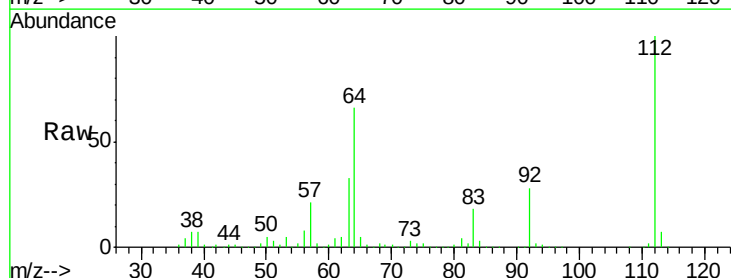
Tgt Ion:112 Resp: 1380641

Ion Ratio Lower Upper

112 100

64 65.8 46.1 69.1

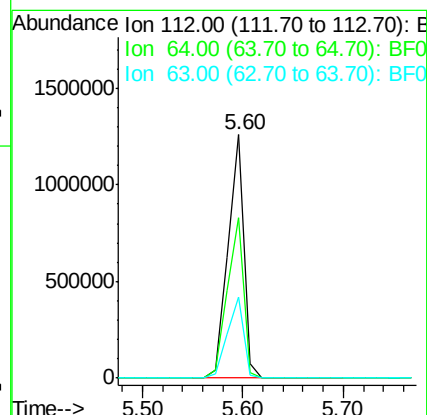
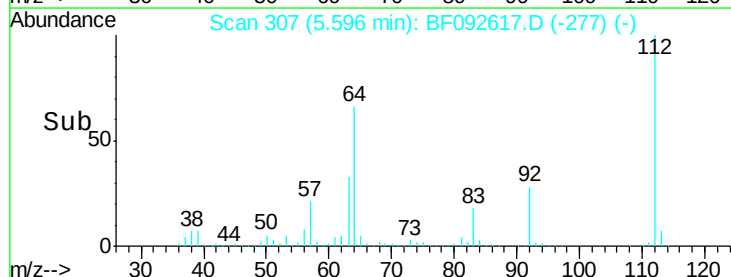
63 33.1 23.8 35.6

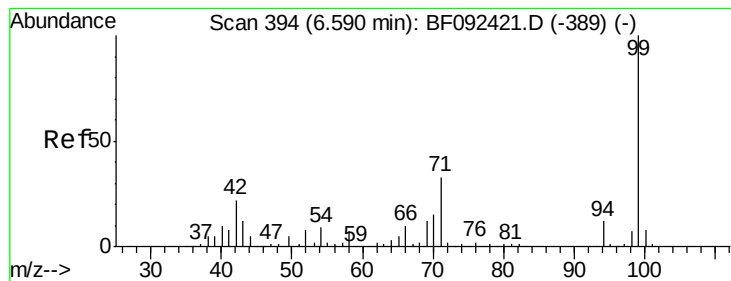


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.08 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

Instrument :

BNA\_F

ClientSampleId :

SB-18-COMP

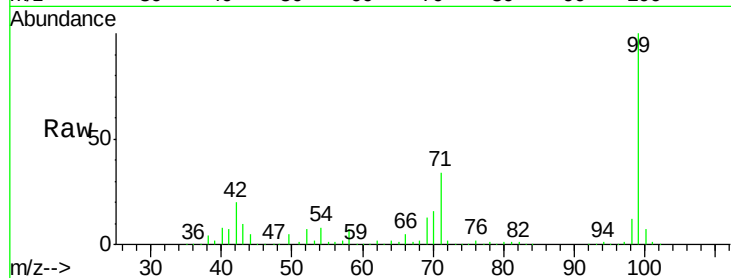
Tgt Ion: 99 Resp: 1896327

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

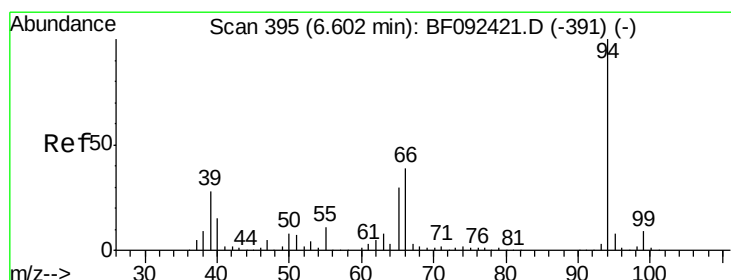
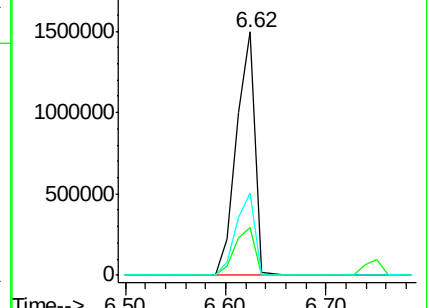
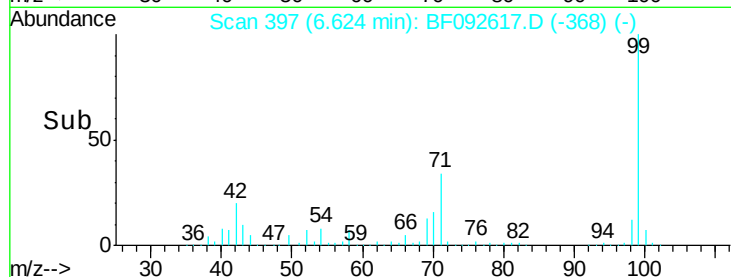
71 33.7 27.5 41.3



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



#10

Phenol

Concen: 6.13 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.03 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

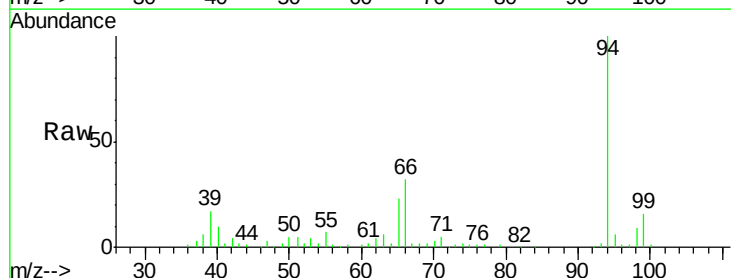
Tgt Ion: 94 Resp: 103928

Ion Ratio Lower Upper

94 100

65 22.9 21.4 61.4

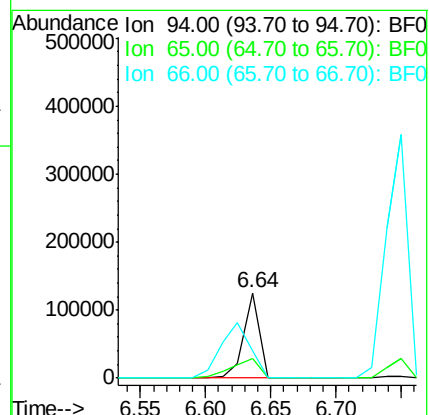
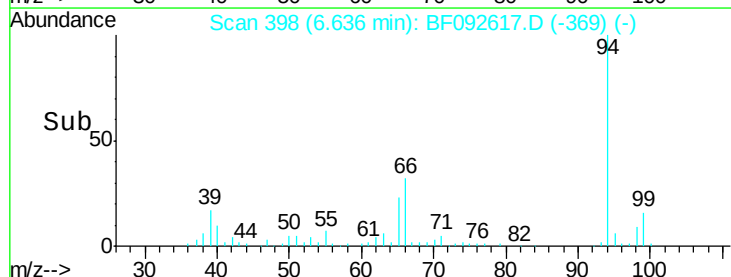
66 31.7 44.0 84.0#

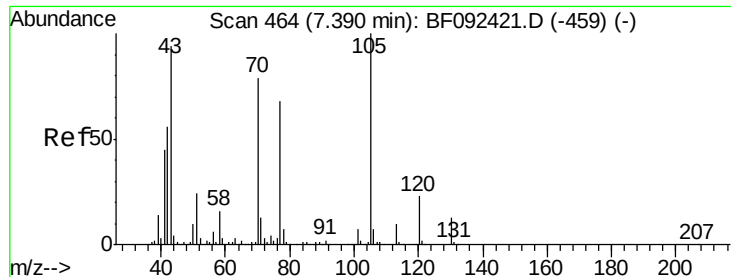


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

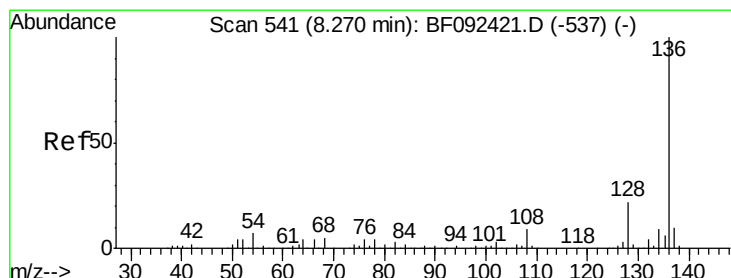
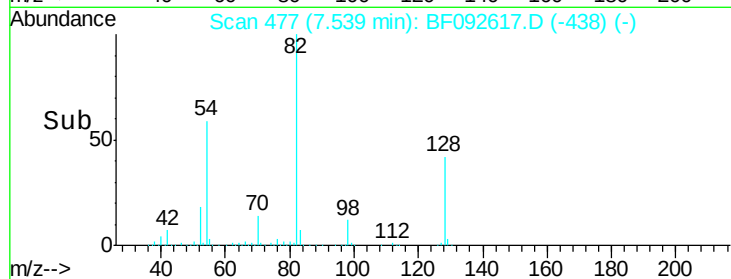
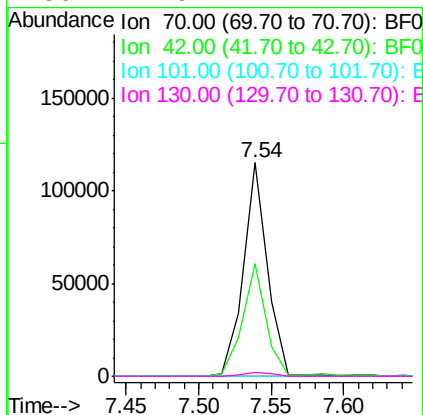
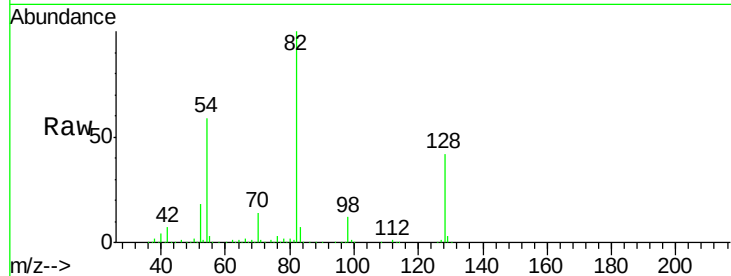




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.79 ng  
RT: 7.54 min Scan# 477  
Delta R.T. 0.15 min  
Lab File: BF092617.D  
Acq: 28 Jan 2017 10:39

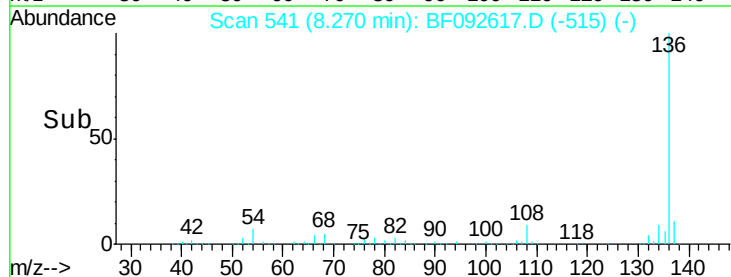
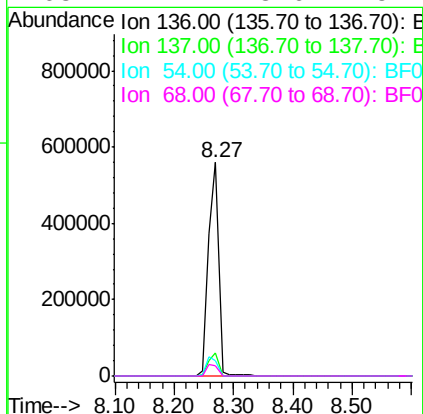
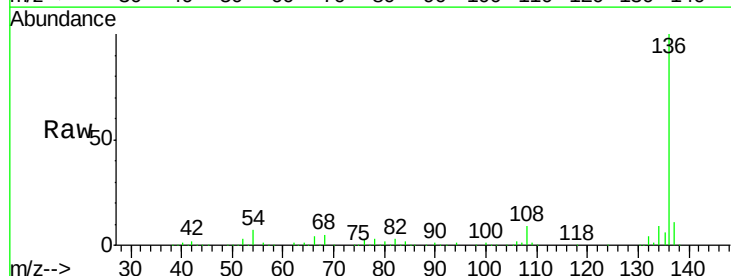
Instrument :  
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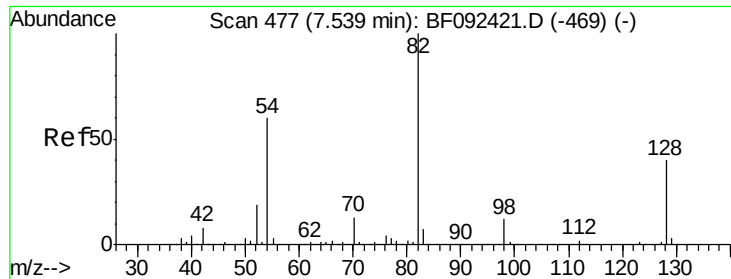
Tgt Ion: 70 Resp: 131791  
Ion Ratio Lower Upper  
70 100  
42 52.9 49.4 74.0  
101 0.0 7.4 11.2#  
130 1.9 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.27 min Scan# 541  
Delta R.T. -0.00 min  
Lab File: BF092617.D  
Acq: 28 Jan 2017 10:39

Tgt Ion: 136 Resp: 670515  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.4 12.6  
54 7.0 4.5 6.7#  
68 4.7 3.6 5.4

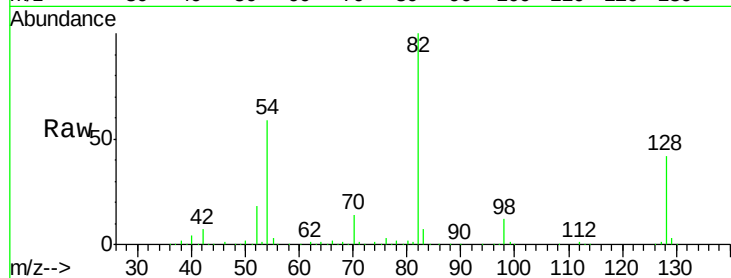




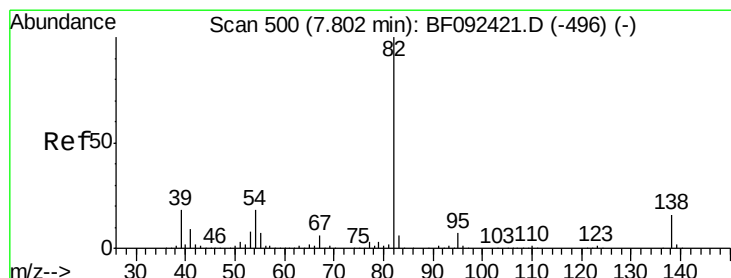
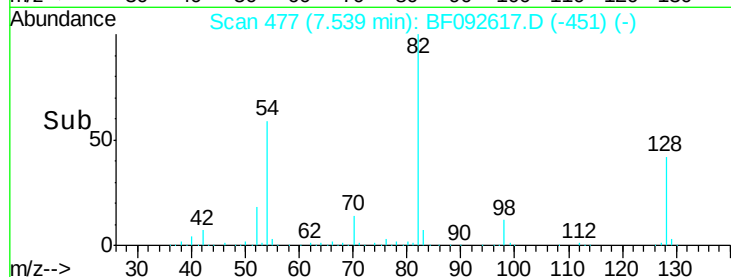
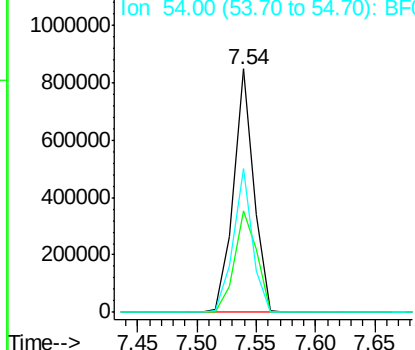
#23  
 Nitrobenzene-d5  
 Concen: 82.57 ng  
 RT: 7.54 min Scan# 477  
 Delta R.T. -0.00 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-COMP

Tgt Ion: 82 Resp: 1013589  
 Ion Ratio Lower Upper  
 82 100  
 128 41.6 34.6 52.0  
 54 59.3 39.5 59.3#

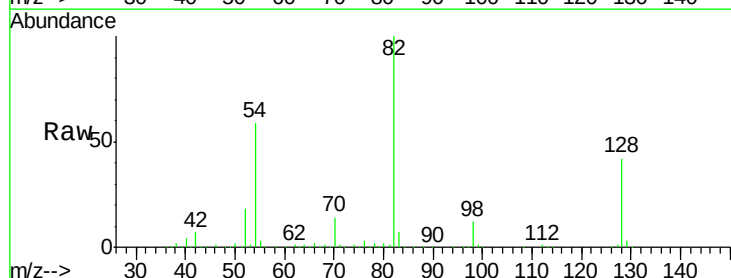


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

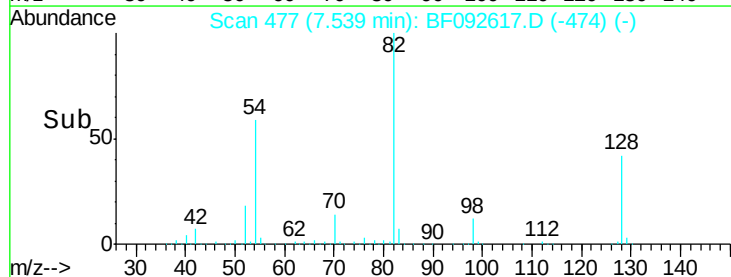
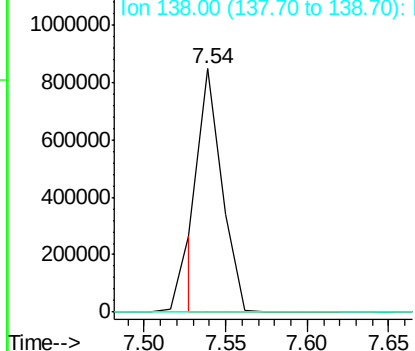


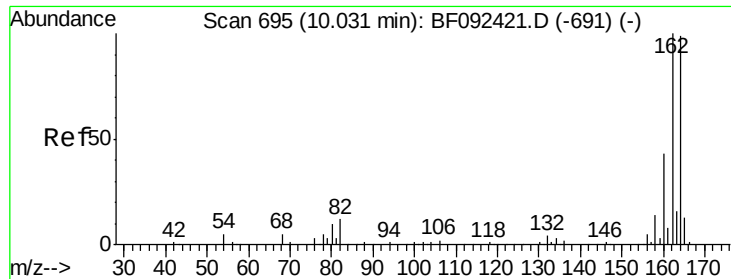
#25  
 Isophorone  
 Concen: 33.86 ng  
 RT: 7.54 min Scan# 477  
 Delta R.T. -0.26 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

Tgt Ion: 82 Resp: 819090  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 14.6 22.0#



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: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

Instrument :

BNA\_F

ClientSampleId :

SB-18-COMP

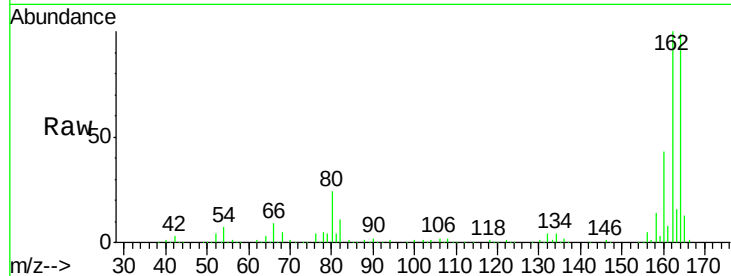
Tgt Ion:164 Resp: 307510

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

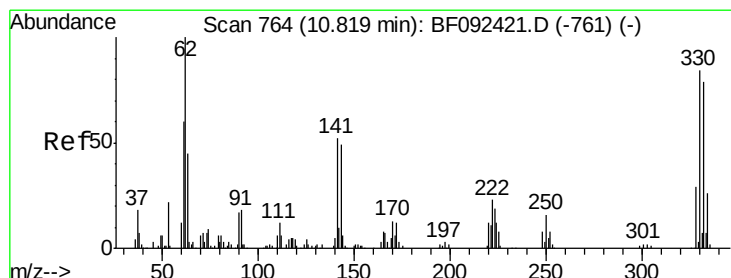
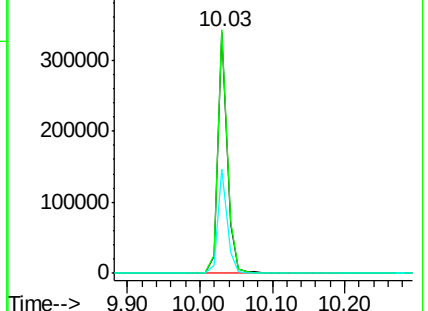
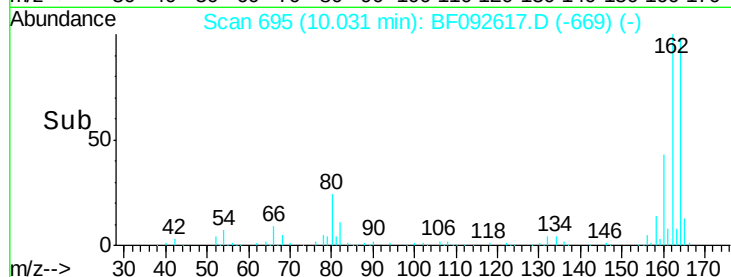
160 43.4 36.9 55.3



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: 123.20 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

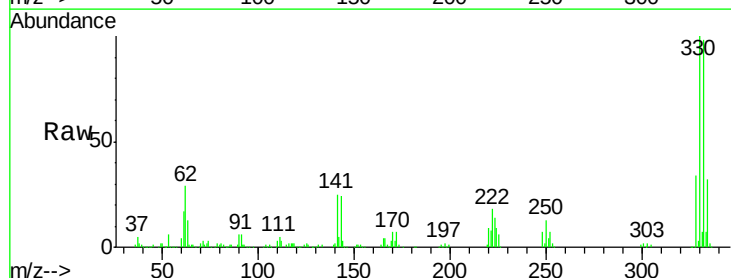
Tgt Ion:330 Resp: 258168

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

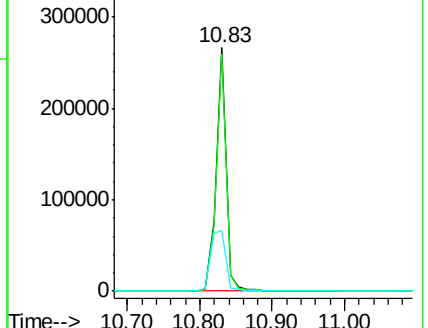
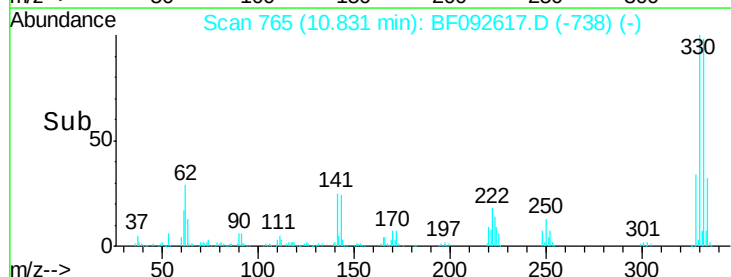
141 37.3 34.1 51.1

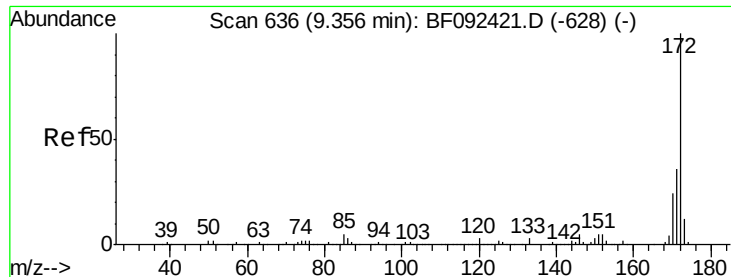


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

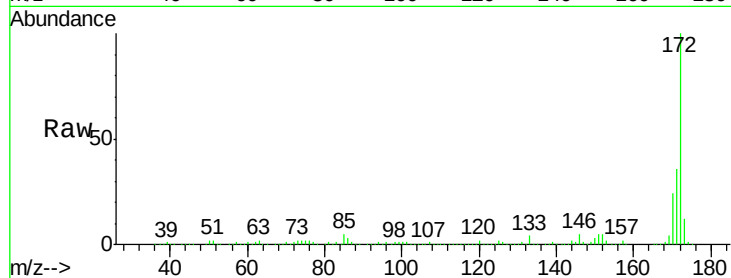




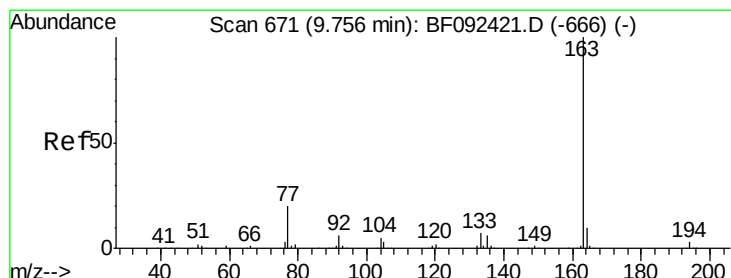
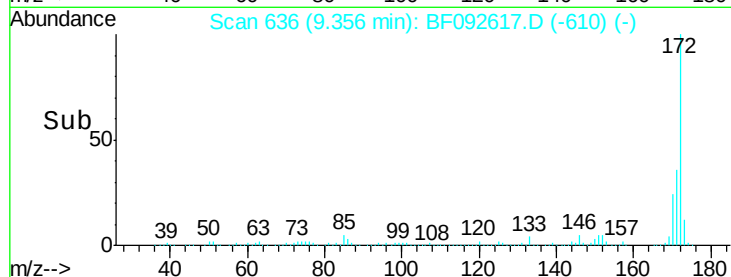
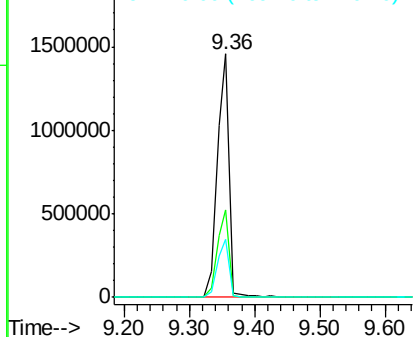
#44  
 2-Fluorobiphenyl  
 Concen: 112.93 ng  
 RT: 9.36 min Scan# 636  
 Delta R.T. 0.00 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

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Tgt Ion:172 Resp: 1877951  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.4 44.0  
 170 24.0 20.2 30.4

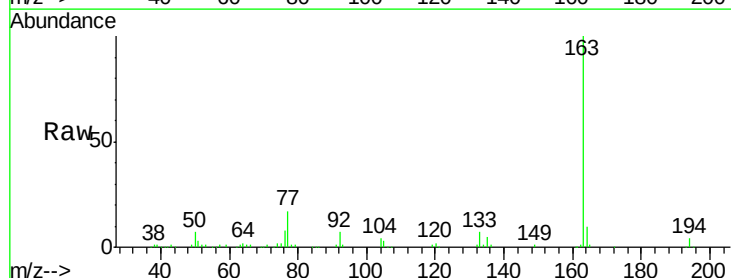


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

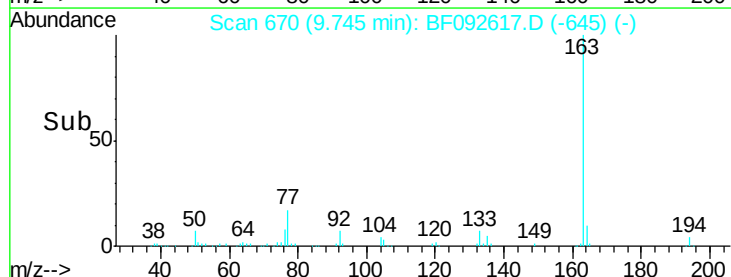
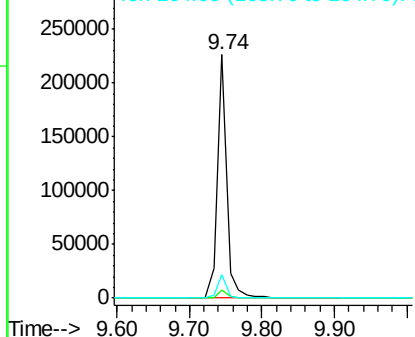


#49  
 Dimethylphthalate  
 Concen: 10.33 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. -0.01 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

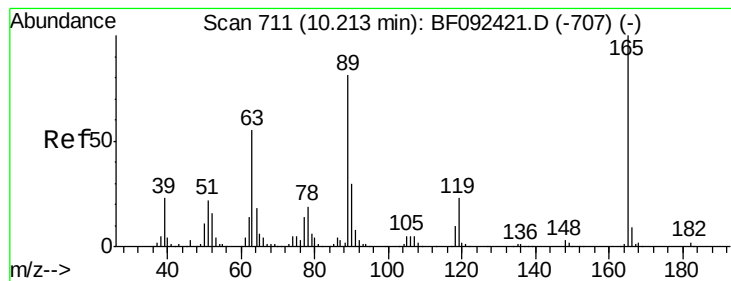
Tgt Ion:163 Resp: 201908  
 Ion Ratio Lower Upper  
 163 100  
 194 3.5 3.0 4.4  
 164 9.8 8.0 12.0



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: 7.64 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

Instrument :

BNA\_F

ClientSampleId :

SB-18-COMP

Tgt Ion:165 Resp: 40546

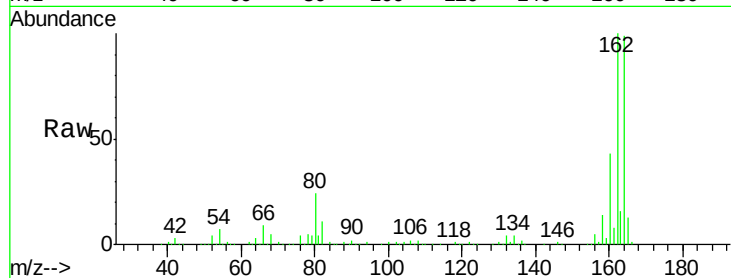
Ion Ratio Lower Upper

165 100

63 0.7 40.2 60.4#

89 0.9 62.5 93.7#

182 0.0 1.8 2.8#

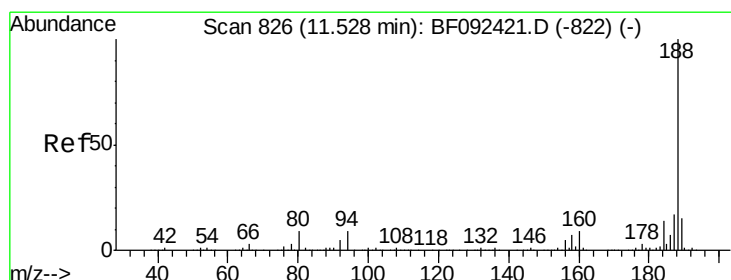
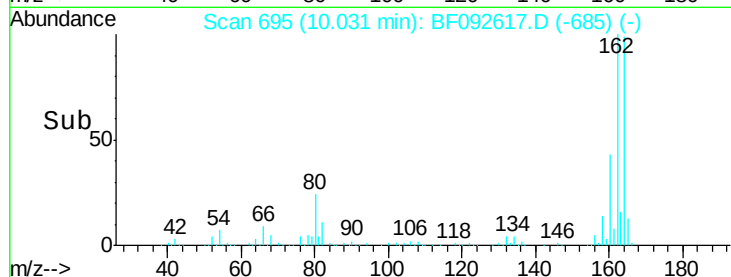
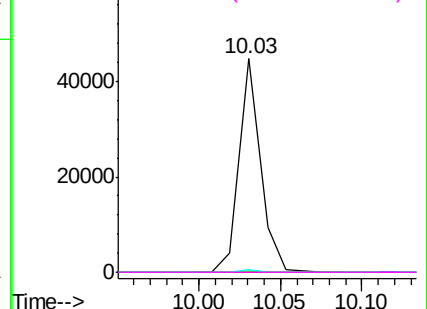


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.53 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

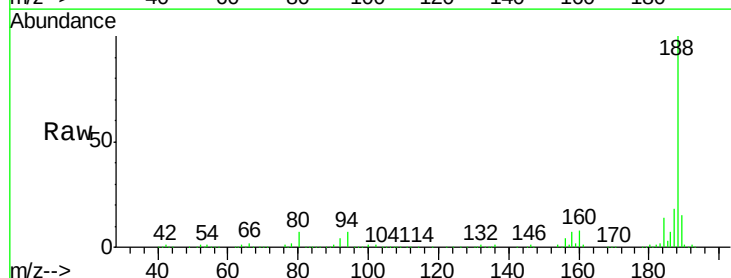
Tgt Ion:188 Resp: 416004

Ion Ratio Lower Upper

188 100

94 7.0 10.0 15.0#

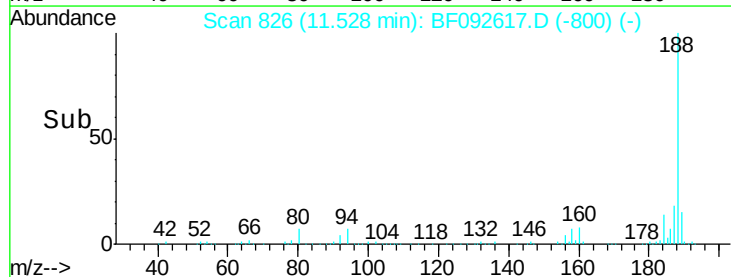
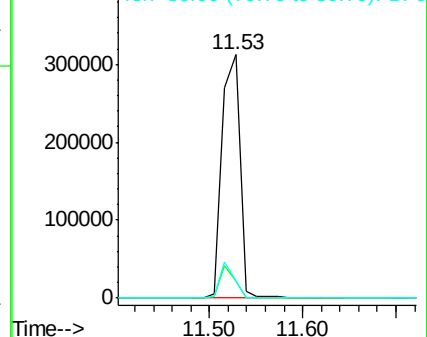
80 7.0 11.2 16.8#

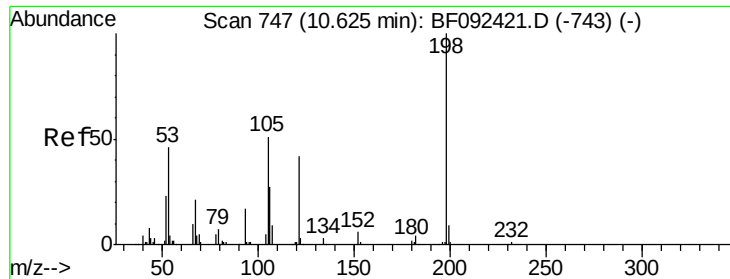


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

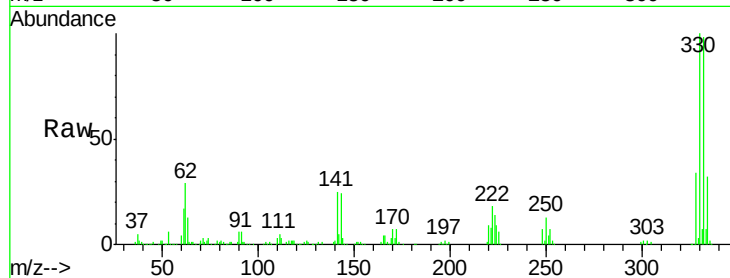




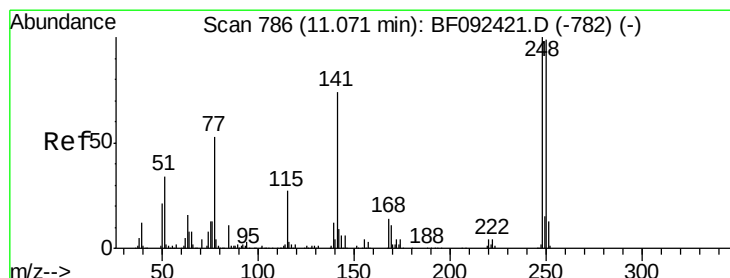
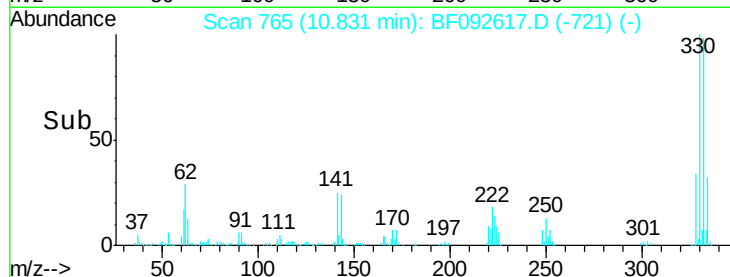
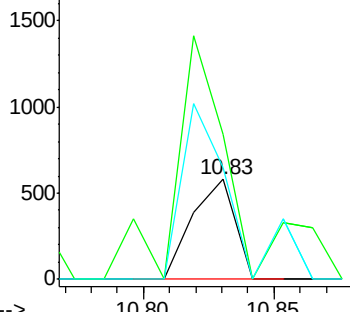
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.22 ng  
 RT: 10.83 min Scan# 765  
 Delta R.T. 0.21 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-18-COMP

Tgt Ion:198 Resp: 666  
 Ion Ratio Lower Upper  
 198 100  
 51 145.4 6.7 46.7#  
 105 112.3 16.6 56.6#

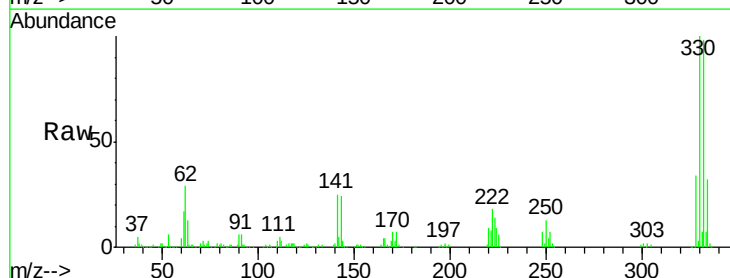


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

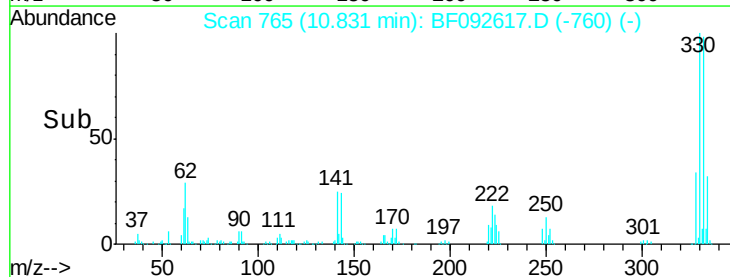
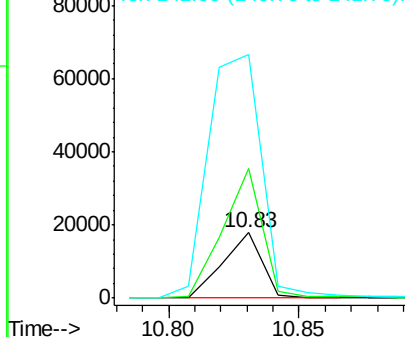


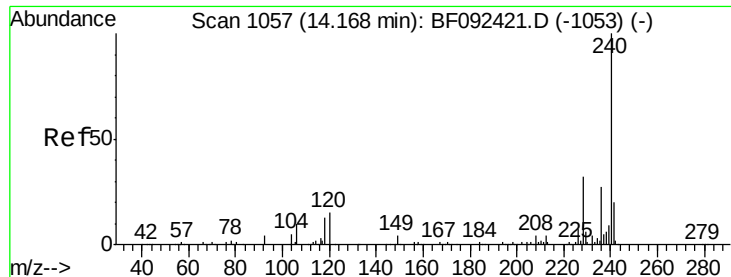
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.48 ng  
 RT: 10.83 min Scan# 765  
 Delta R.T. -0.24 min  
 Lab File: BF092617.D  
 Acq: 28 Jan 2017 10:39

Tgt Ion:248 Resp: 18819  
 Ion Ratio Lower Upper  
 248 100  
 250 197.6 76.9 115.3#  
 141 371.0 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

Instrument :

BNA\_F

ClientSampleId :

SB-18-COMP

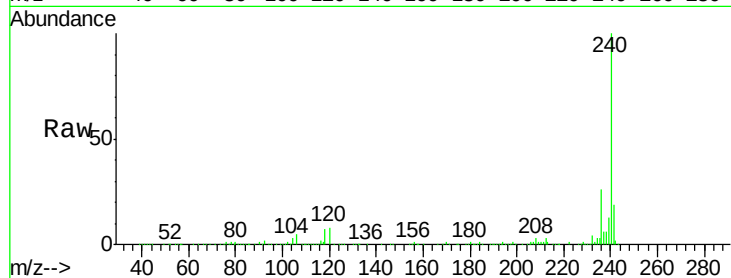
Tgt Ion:240 Resp: 347076

Ion Ratio Lower Upper

240 100

120 7.6 12.9 19.3#

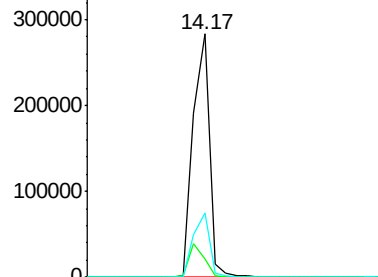
236 26.5 20.9 31.3



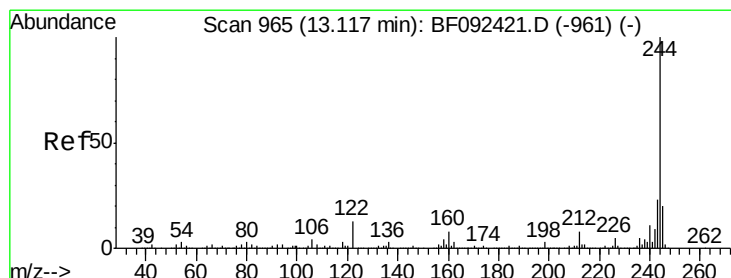
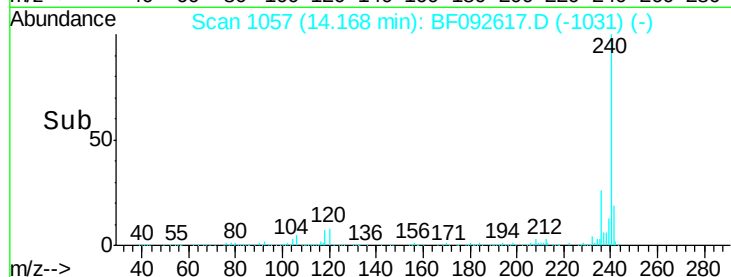
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 95.17 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092617.D

Acq: 28 Jan 2017 10:39

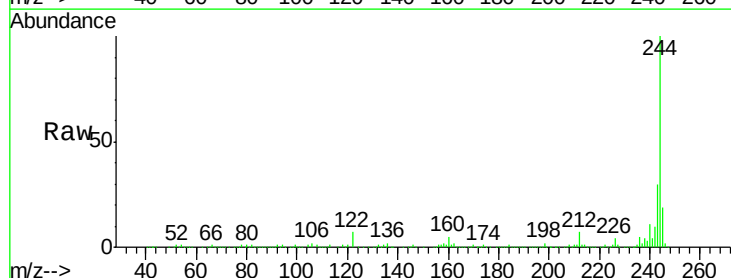
Tgt Ion:244 Resp: 1240430

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

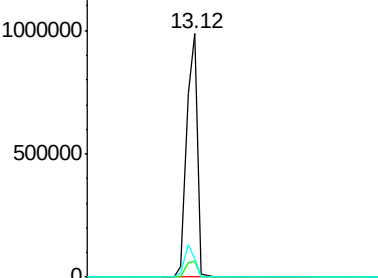
122 7.4 11.4 17.2#



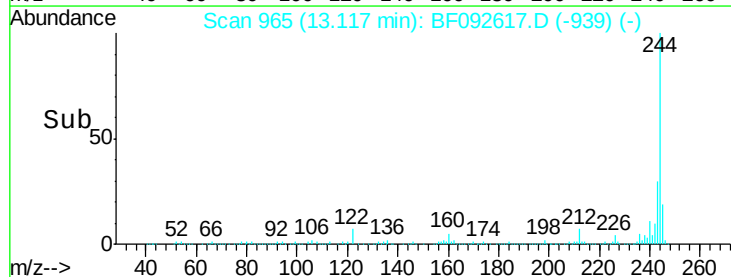
Abundance Ion 244.00 (243.70 to 244.70): E

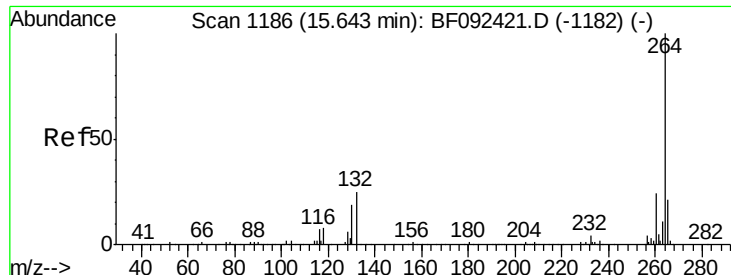
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.65 min Scan# 1187  
Delta R.T. 0.01 min  
Lab File: BF092617.D  
Acq: 28 Jan 2017 10:39

Instrument :  
BNA\_F  
ClientSampleId :  
SB-18-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.4  | 17.4  | 26.0  |

