

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110417\  
 Data File : BF100194.D  
 Acq On : 4 Nov 2017 22:17  
 Operator : SJ/JU  
 Sample : I6313-13  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 05 23:53:18 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

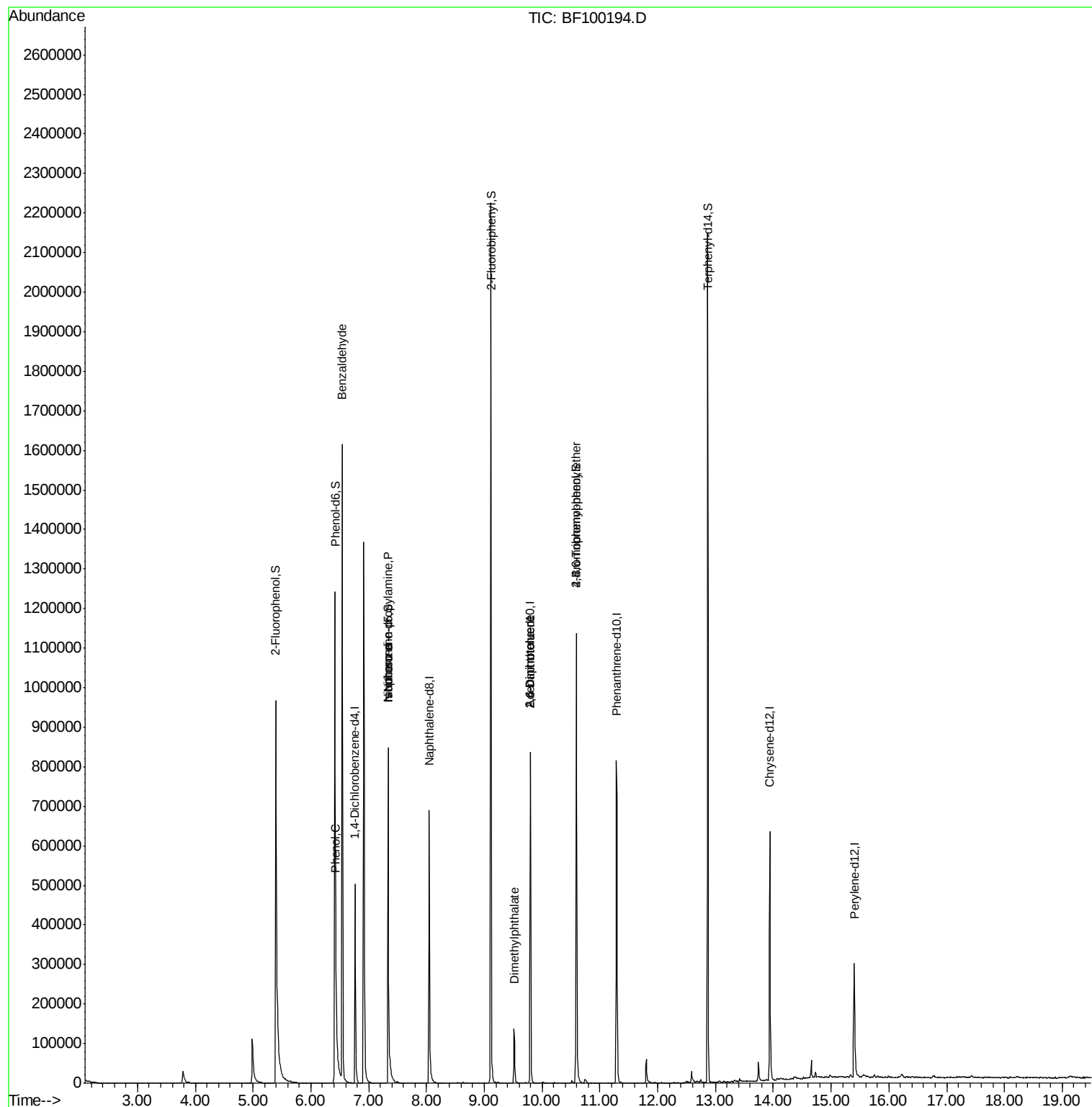
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 90546    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 379810   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.80  | 164  | 181214   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.29 | 188  | 333305   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.94 | 240  | 232768   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.40 | 264  | 164590   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 524249   | 90.90  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 632171   | 92.44  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 348908   | 59.14  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 153124   | 92.72  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.12  | 172  | 720797   | 61.37  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.87 | 244  | 689911   | 64.77  | ng    | -0.01    |
| Target Compounds               |       |      |          | Qvalue |       |          |
| 9) Benzaldehyde                | 6.54  | 77   | 9455     | 2.314  | ng    | 91       |
| 10) Phenol                     | 6.43  | 94   | 24902    | 3.317  | ng    | # 76     |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 41231    | 10.288 | ng    | # 72     |
| 25) Isophorone                 | 7.33  | 82   | 348908   | 32.593 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.52  | 163  | 71568    | 4.987  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.80  | 165  | 22368    | 7.414  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 22368    | 6.157  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.59 | 248  | 9821     | 2.799  | ng    | # 1      |

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

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QLast Update : Fri Nov 03 15:46:10 2017  
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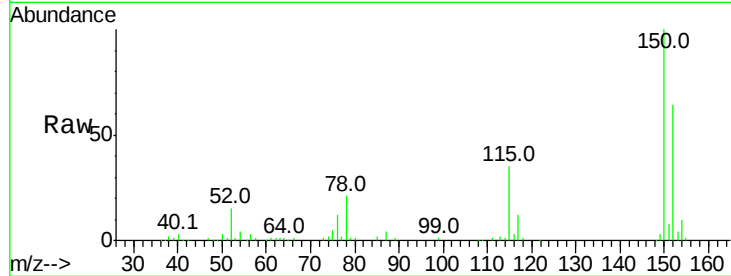


#1

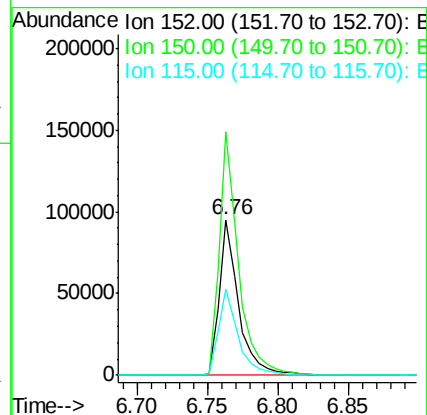
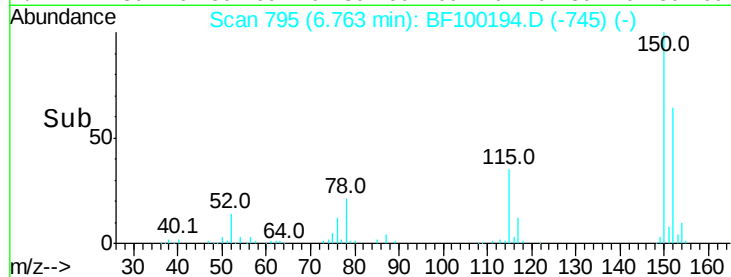
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 90546  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 55.5 50.1 75.1



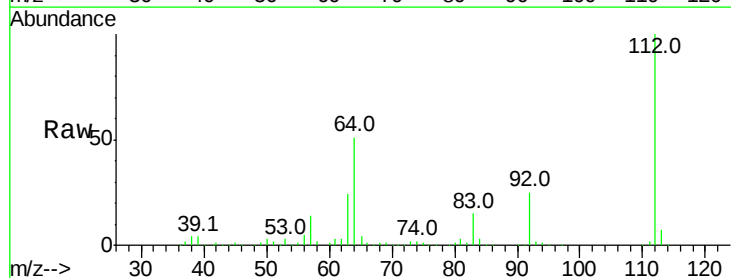
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



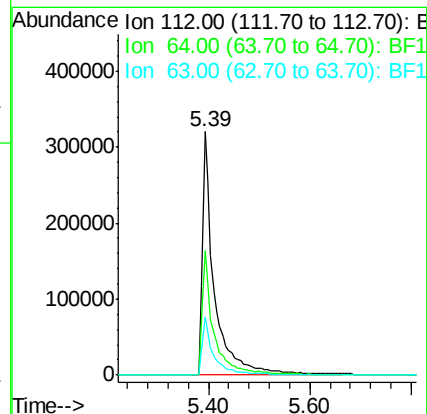
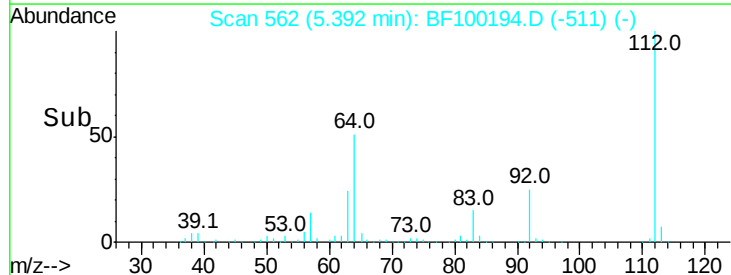
#5

2-Fluorophenol  
Concen: 90.899 ng  
RT: 5.39 min Scan# 562  
Delta R.T. 0.00 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Tgt Ion:112 Resp: 524249  
Ion Ratio Lower Upper  
112 100  
64 51.4 47.9 71.9  
63 23.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.443 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

Instrument :

BNA\_F

ClientSampleId :

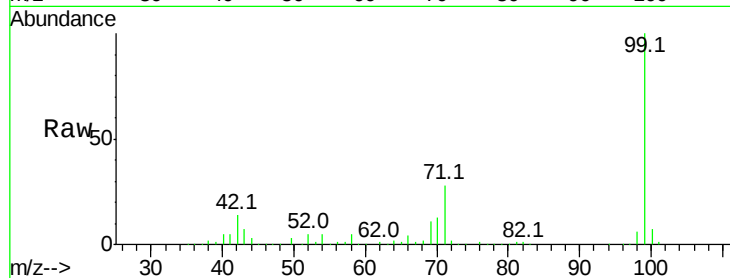
Tot Ion: 99 Resp: 632171

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

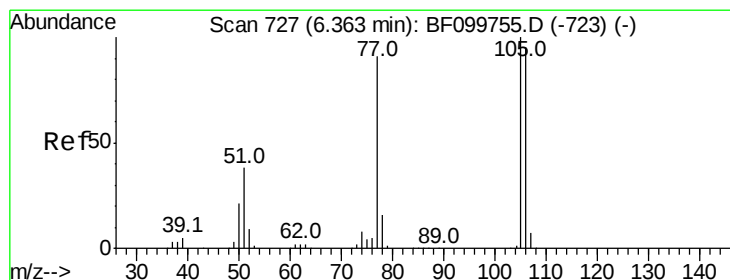
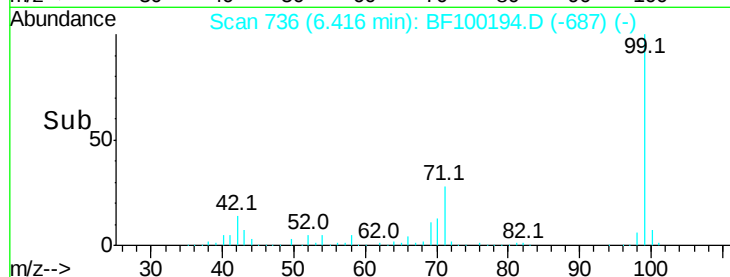
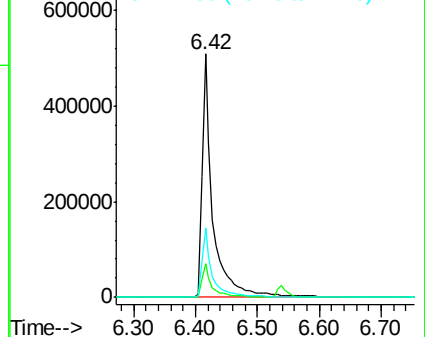
71 28.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.314 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

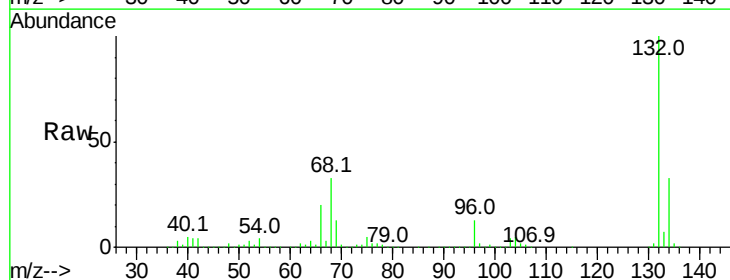
Tgt Ion: 77 Resp: 9455

Ion Ratio Lower Upper

77 100

105 89.7 81.1 121.1

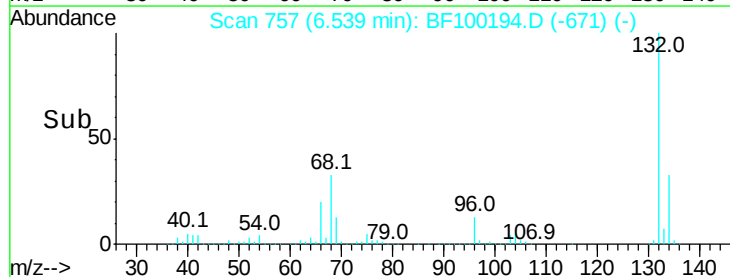
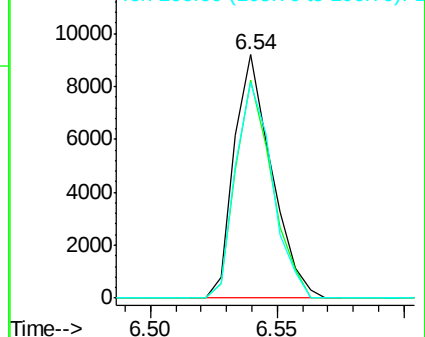
106 88.3 74.5 114.5

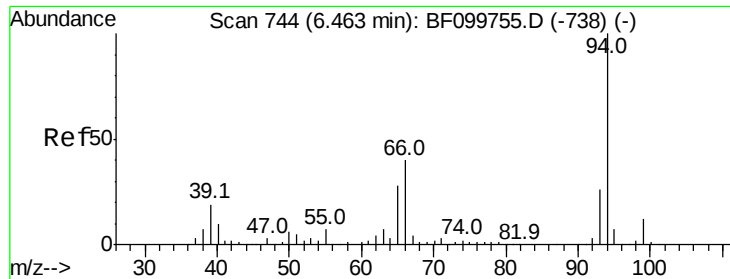


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.317 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

Instrument :

BNA\_F

ClientSampled :

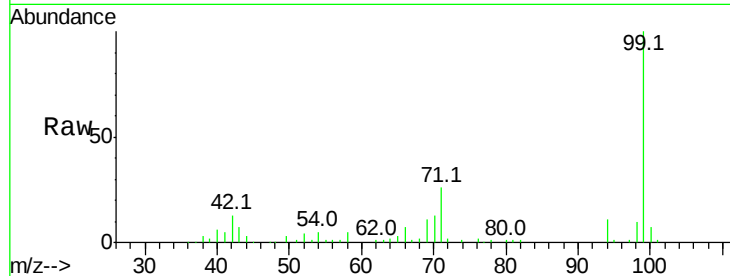
Tot Ion: 94 Resp: 24902

Ion Ratio Lower Upper

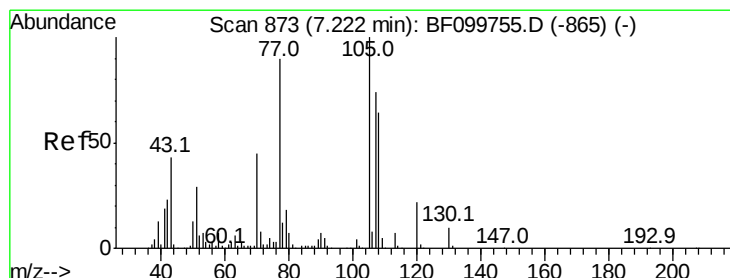
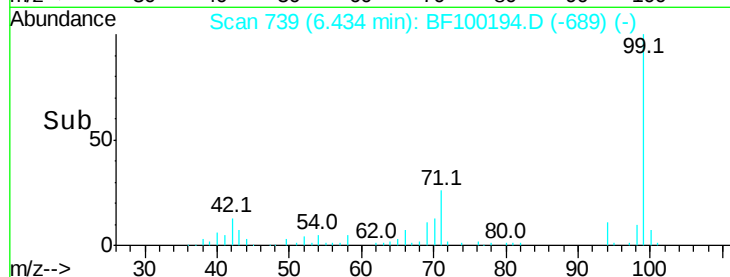
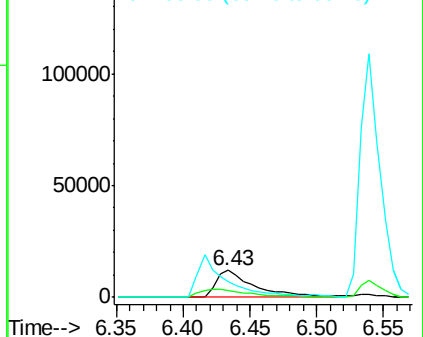
94 100

65 27.5 7.9 47.9

66 60.7 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.288 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

Tgt Ion: 70 Resp: 41231

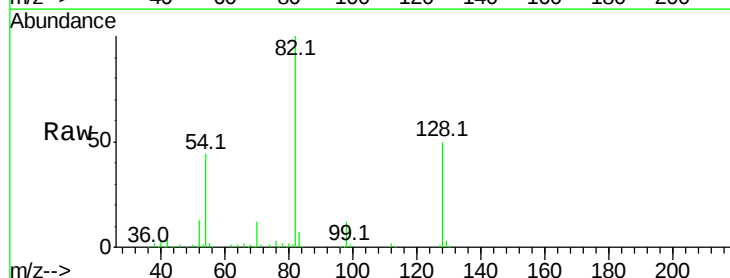
Ion Ratio Lower Upper

70 100

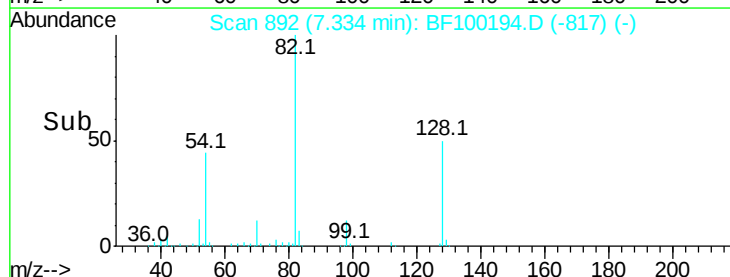
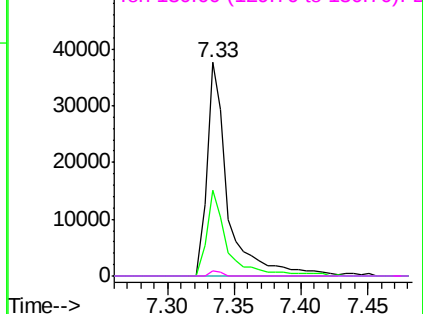
42 40.3 47.5 71.3#

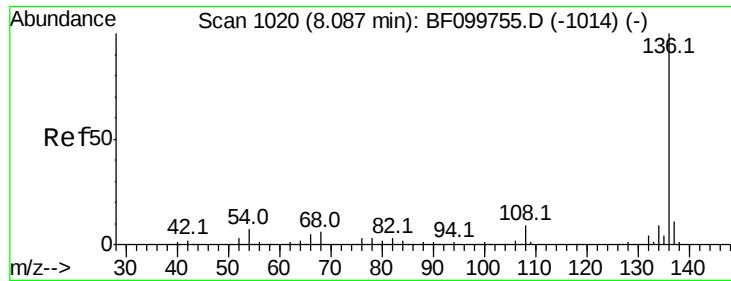
101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

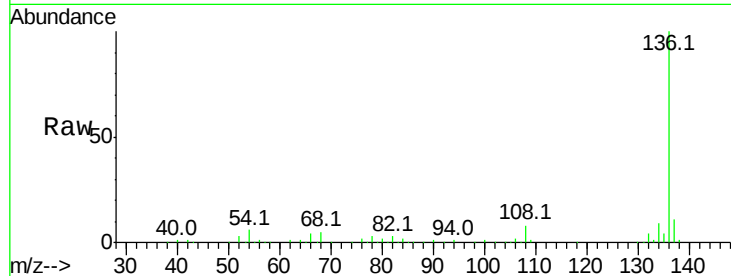




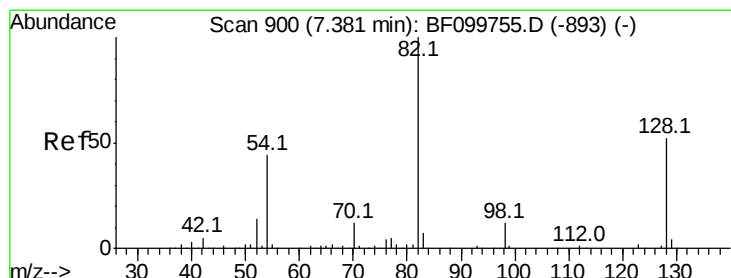
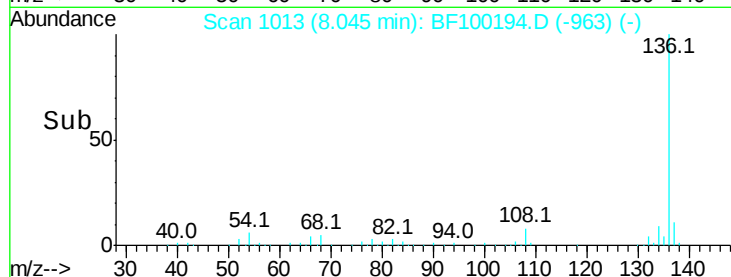
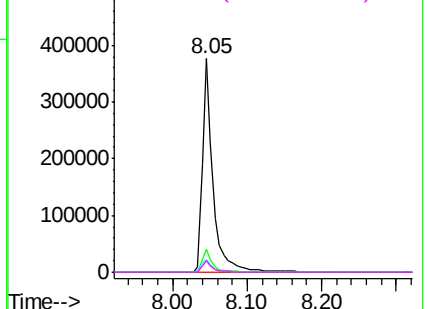
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 379810 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 6.3   | 6.6   | 9.8#   |
| 68       | 5.4   | 5.0   | 7.4    |

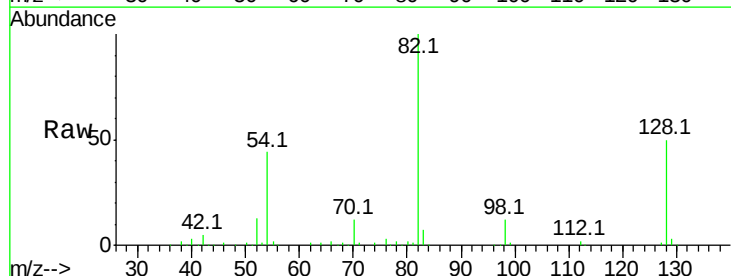


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

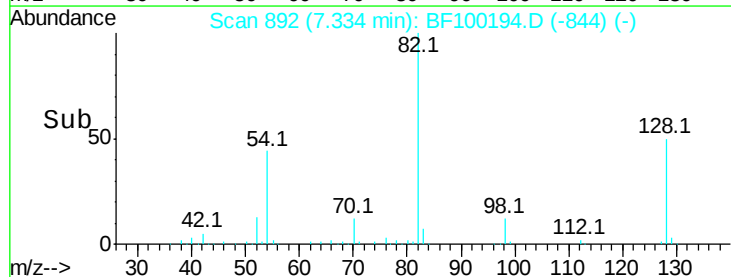
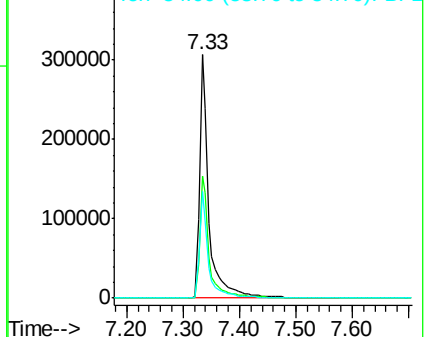


#23  
Nitrobenzene-d5  
Concen: 59.142 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.02 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 348908 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 50.2  | 36.1  | 54.1   |
| 54       | 43.9  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.593 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

Instrument :

BNA\_F

ClientSampleId :

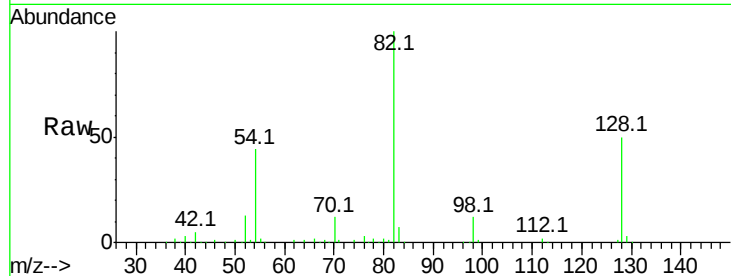
Tot Ion: 82 Resp: 348908

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

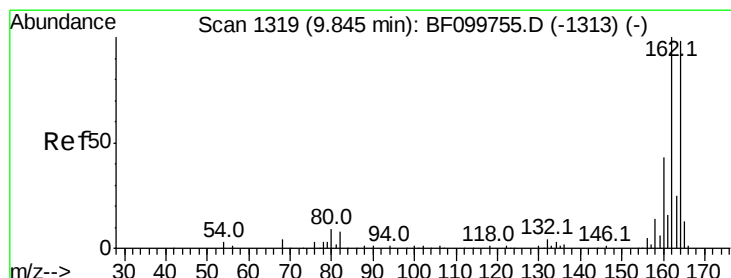
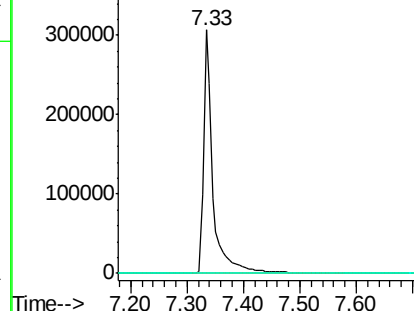
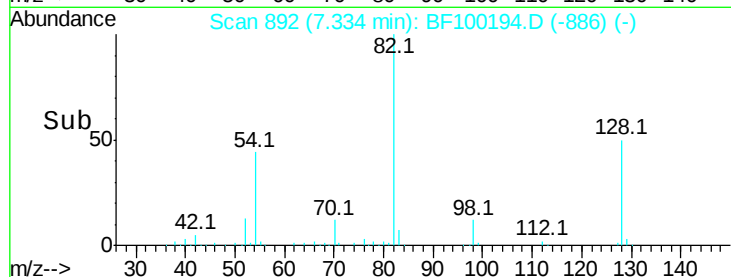
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

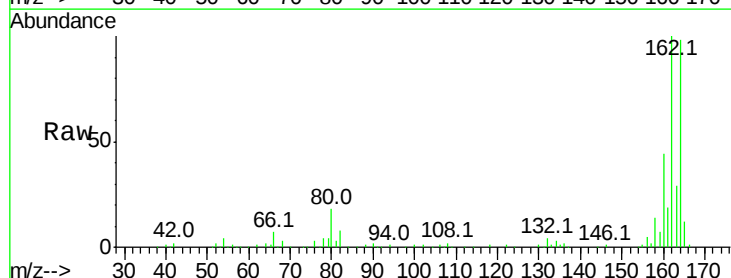
Tgt Ion:164 Resp: 181214

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

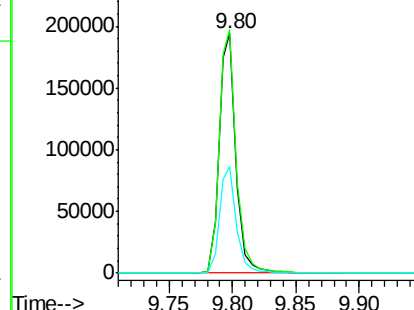
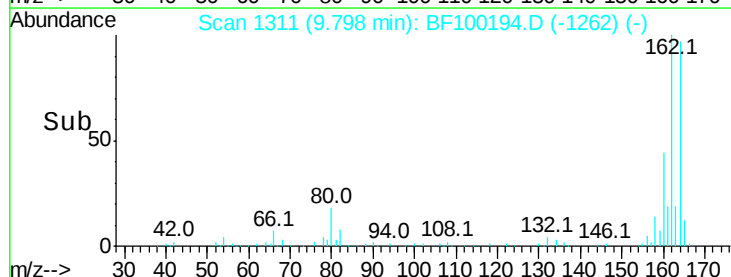
160 44.5 38.3 57.5

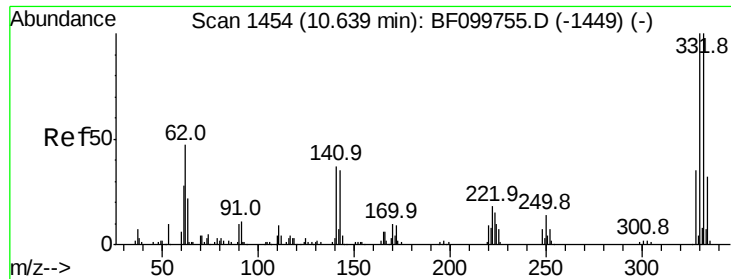


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

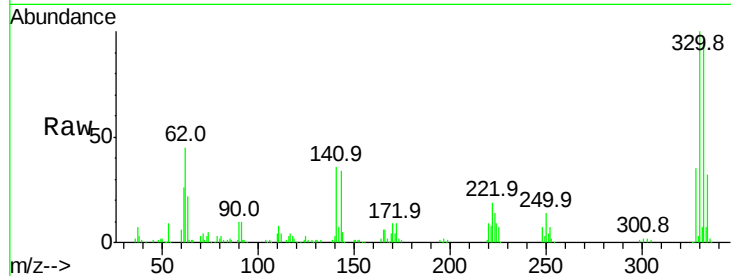




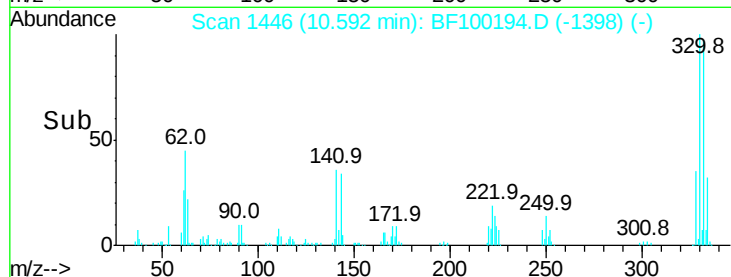
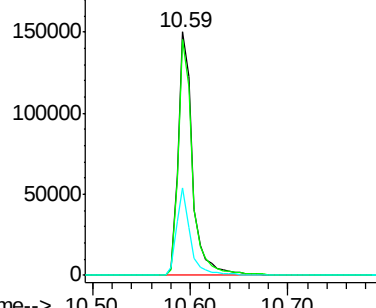
#41  
 2,4,6-Tribromophenol  
 Concen: 92.722 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.02 min  
 Lab File: BF100194.D  
 Acq: 4 Nov 2017 22:17

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 153124  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.0 115.6  
 141 34.0 29.9 44.9

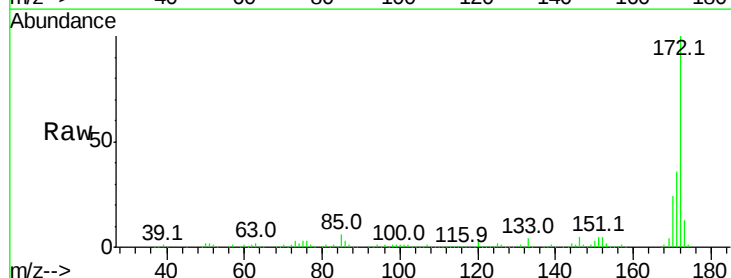


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

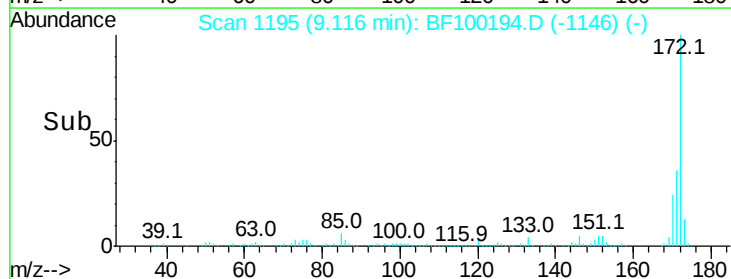
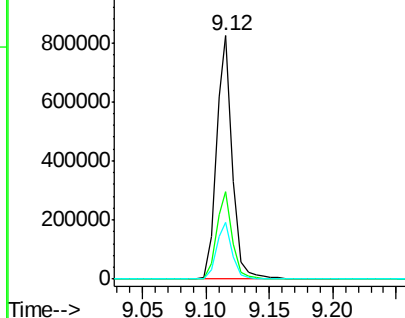


#44  
 2-Fluorobiphenyl  
 Concen: 61.368 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BF100194.D  
 Acq: 4 Nov 2017 22:17

Tgt Ion:172 Resp: 720797  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.7 44.5  
 170 23.5 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

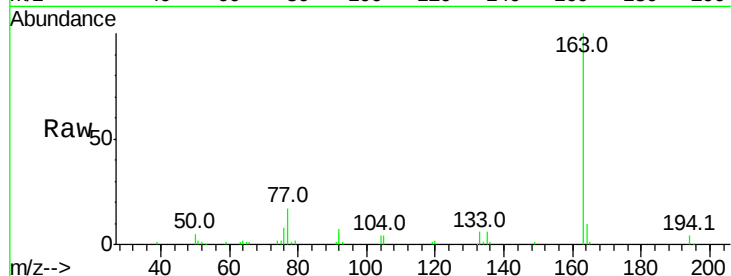




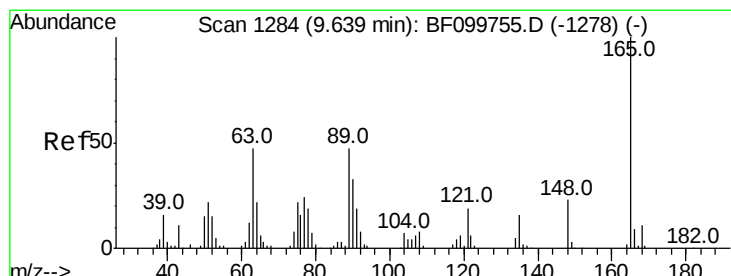
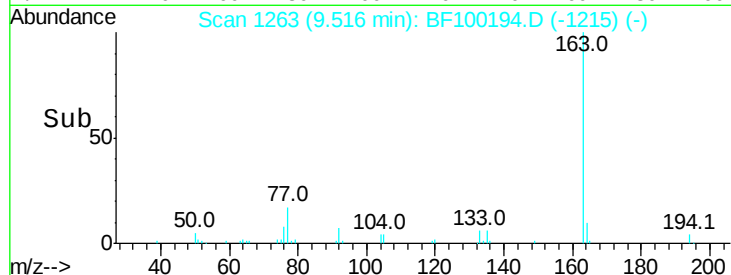
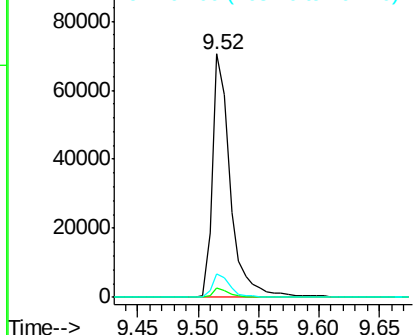
#49  
Dimethylphthalate  
Concen: 4.987 ng  
RT: 9.52 min Scan# 1263  
Delta R.T. -0.02 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 71568  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 9.6 8.2 12.2

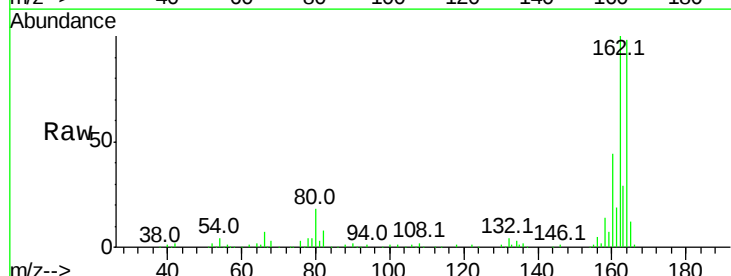


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

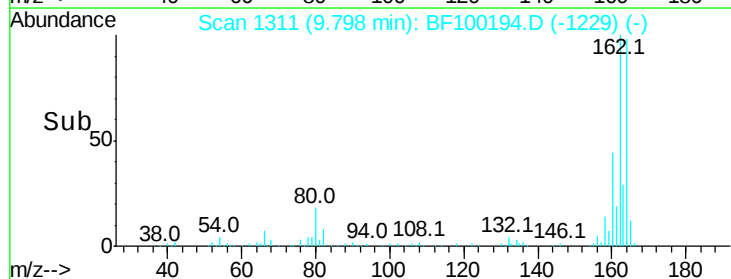
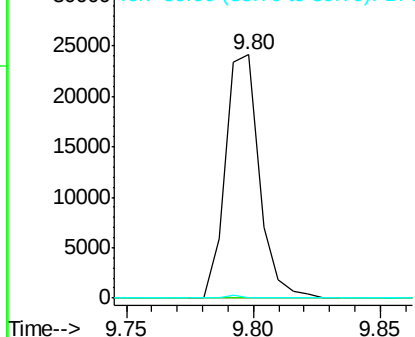


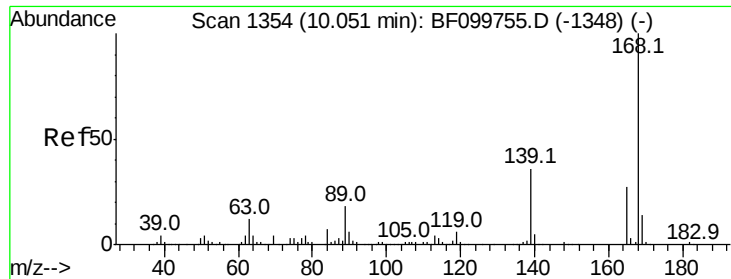
#50  
2,6-Dinitrotoluene  
Concen: 7.414 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. 0.18 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Tgt Ion:165 Resp: 22368  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

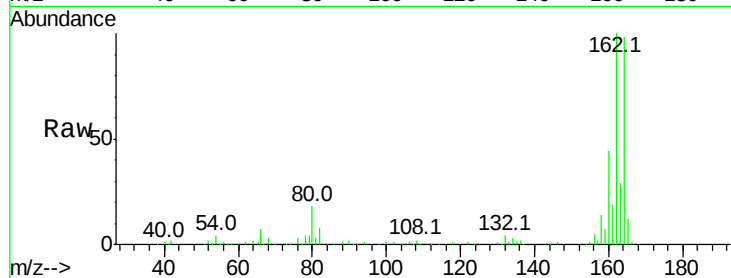




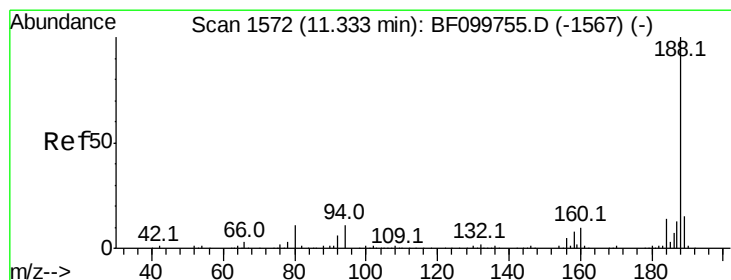
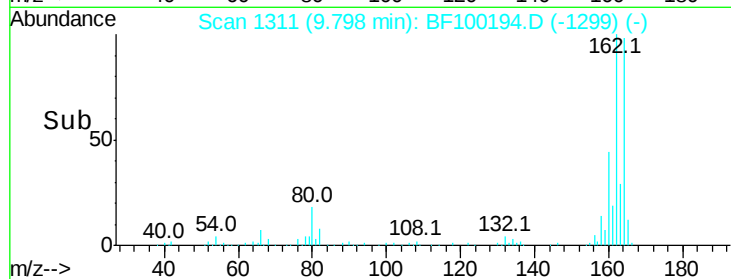
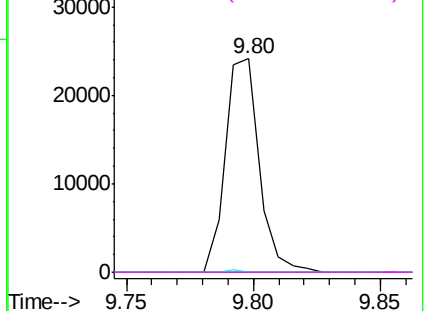
#56  
 2,4-Dinitrotoluene  
 Concen: 6.157 ng  
 RT: 9.80 min Scan# 1311  
 Delta R.T. -0.23 min  
 Lab File: BF100194.D  
 Acq: 4 Nov 2017 22:17

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 22368  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.4 54.6#  
 89 0.0 57.8 86.6#  
 182 0.0 1.6 2.4#

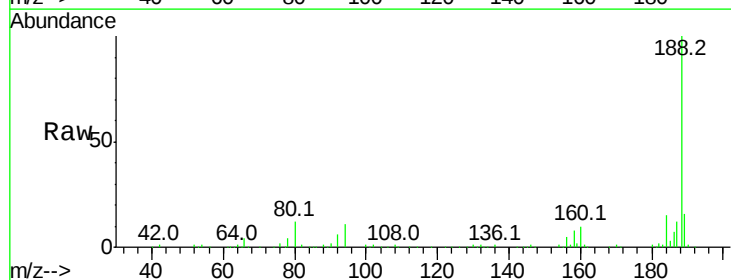


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

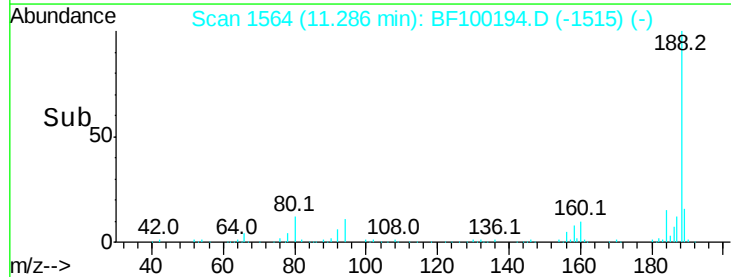
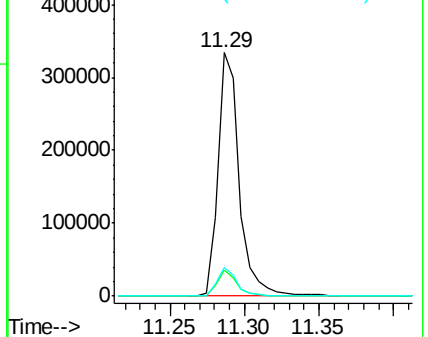


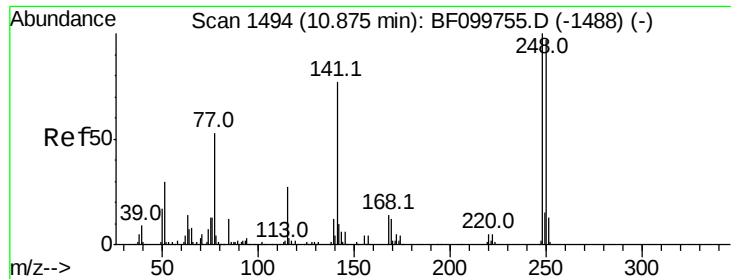
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.29 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF100194.D  
 Acq: 4 Nov 2017 22:17

Tgt Ion:188 Resp: 333305  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 8.5 12.7  
 80 11.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

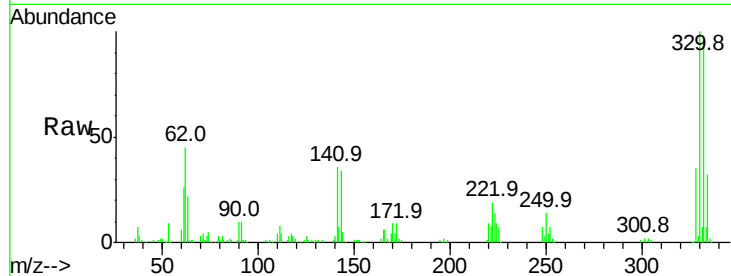




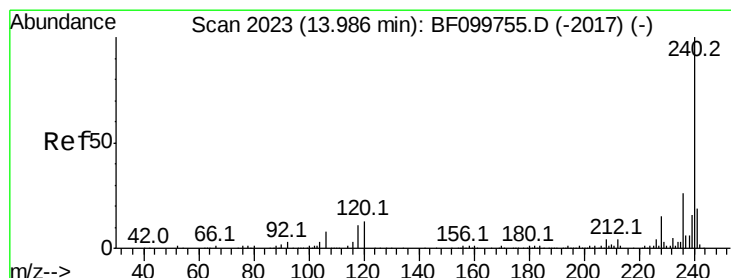
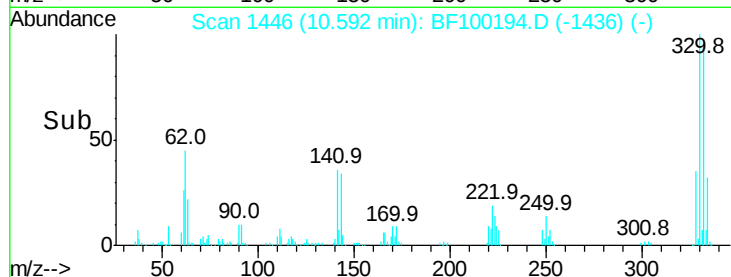
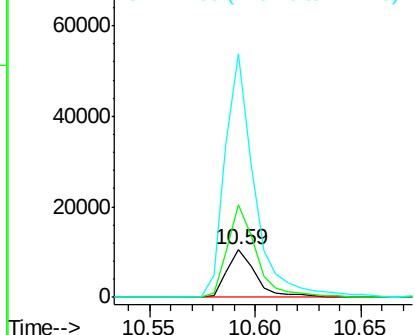
#66  
4-Bromophenyl-phenylether  
Concen: 2.799 ng  
RT: 10.59 min Scan# 1446  
Delta R.T. -0.24 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 9821  
Ion Ratio Lower Upper  
248 100  
250 194.1 76.9 115.3#  
141 512.6 74.4 111.6#

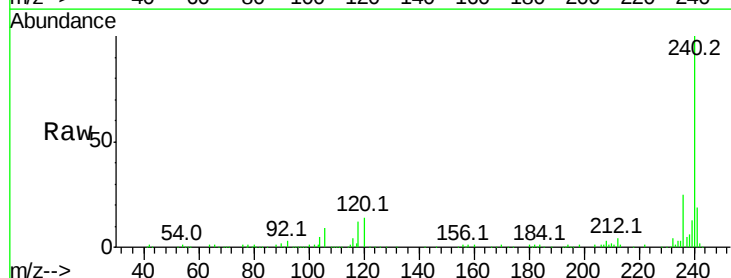


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

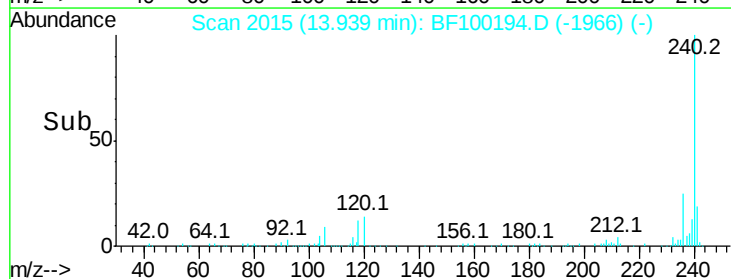
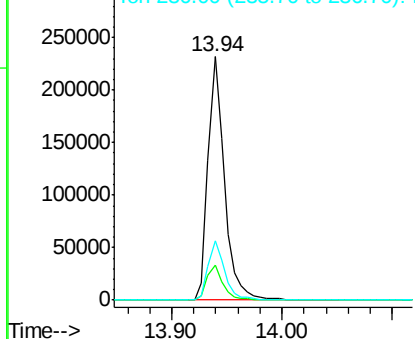


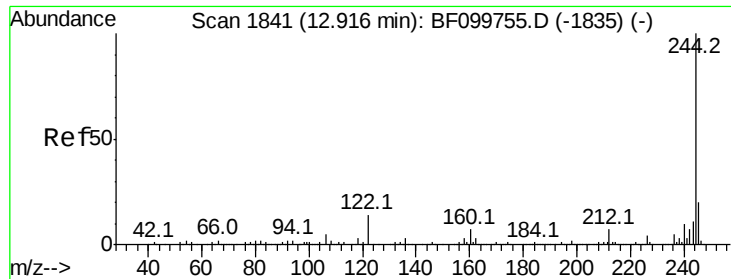
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.94 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF100194.D  
Acq: 4 Nov 2017 22:17

Tgt Ion:240 Resp: 232768  
Ion Ratio Lower Upper  
240 100  
120 14.4 9.5 14.3#  
236 24.6 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: 64.773 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

Instrument :

BNA\_F

ClientSampled :

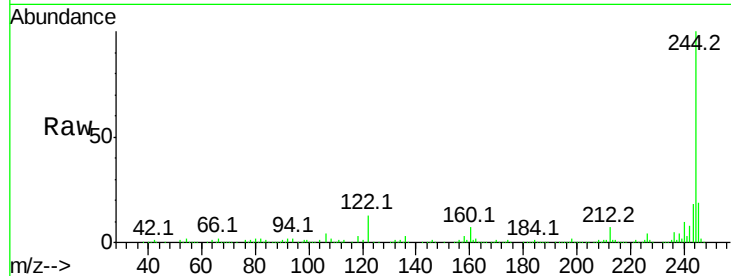
Tot Ion:244 Resp: 689911

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

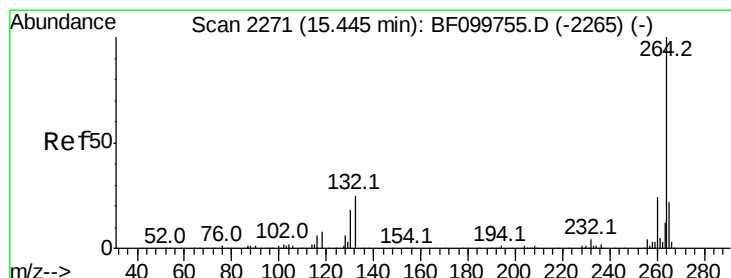
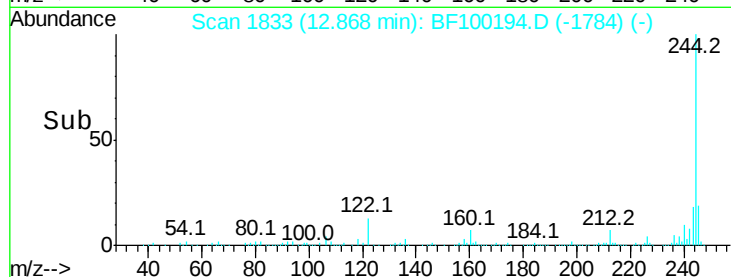
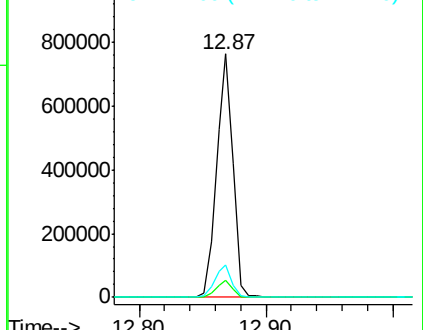
122 13.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF100194.D

Acq: 4 Nov 2017 22:17

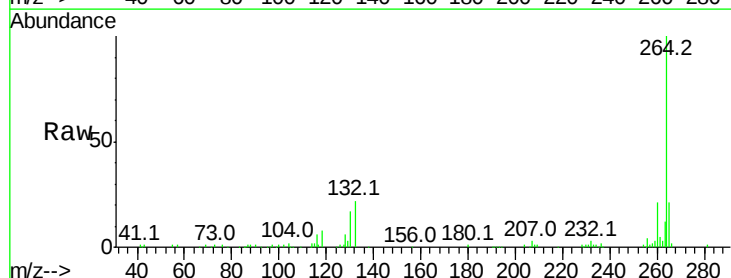
Tgt Ion:264 Resp: 164590

Ion Ratio Lower Upper

264 100

260 20.9 19.2 28.8

265 20.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

