

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
 Data File : BF100092.D  
 Acq On : 2 Nov 2017 18:34  
 Operator : SJ/JU  
 Sample : I6233-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 02 19:24:53 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

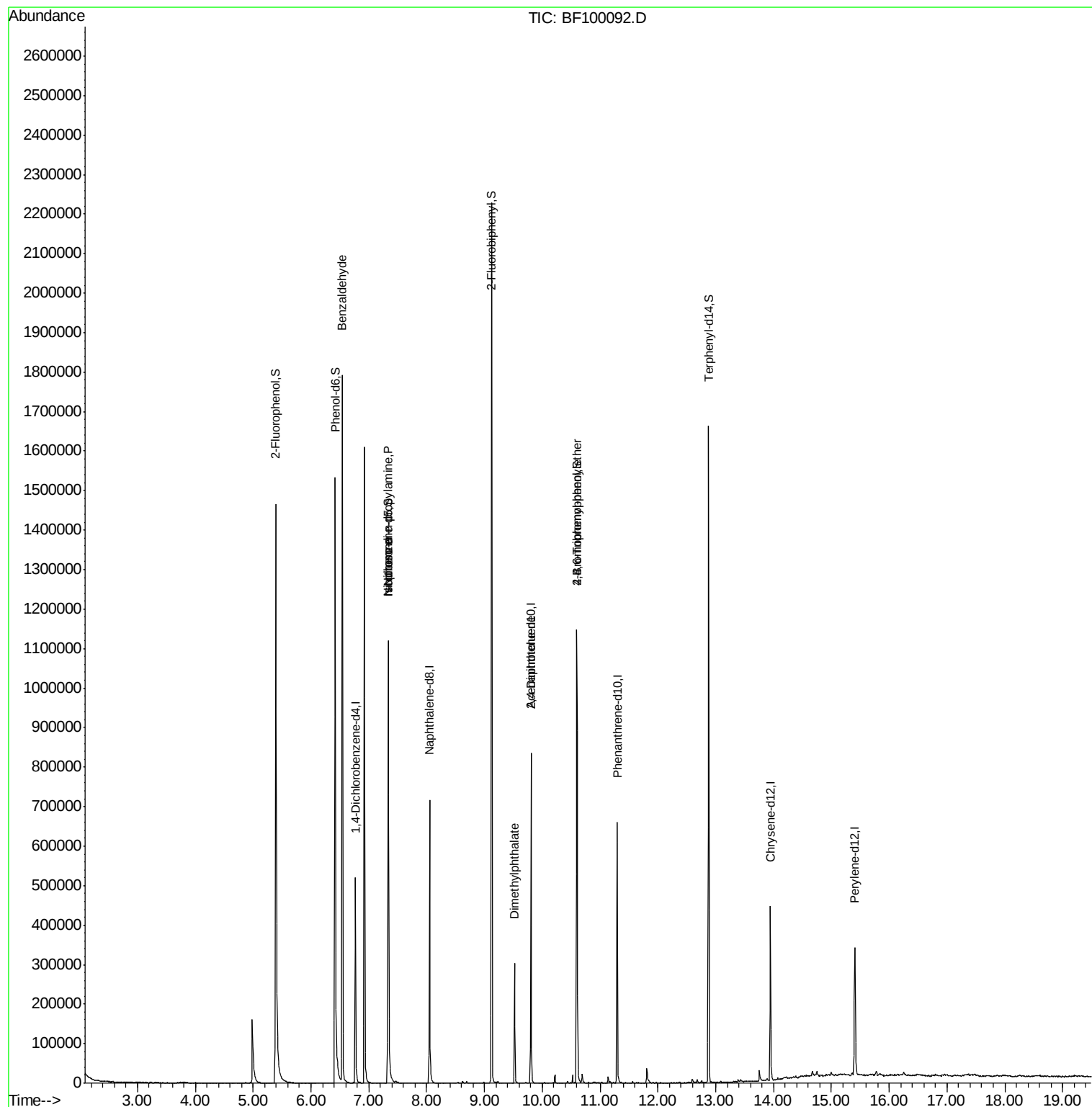
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 87546    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 356103   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.80  | 164  | 156668   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.30 | 188  | 250462   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.94 | 240  | 153398   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.40 | 264  | 157119   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 575098   | 103.13 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.42  | 99   | 700910   | 106.01 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 389153   | 70.36  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 145792   | 102.11 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 789426   | 77.74  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.88 | 244  | 549062   | 78.22  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.54  | 77   | 10209    | 2.584  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 48228    | 12.447 | ng    | # 72     |
| 25) Isophorone                 | 7.34  | 82   | 389153   | 38.773 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.52  | 163  | 127949   | 10.313 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 19963    | 6.356  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 9845     | 3.734  | ng    | # 1      |

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

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Sample : I6233-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Nov 02 19:24:53 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 01 18:13:08 2017  
Response via : Initial Calibration



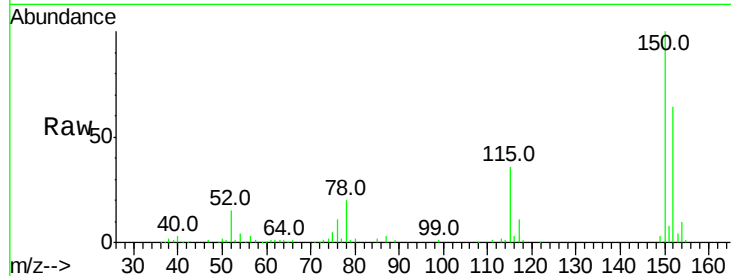


#1

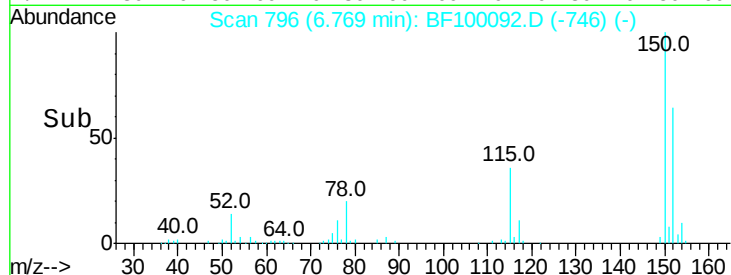
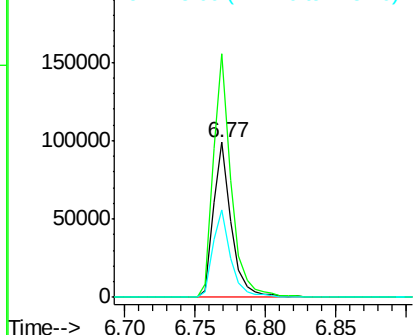
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 87546  
Ion Ratio Lower Upper  
152 100  
150 156.9 124.6 186.8  
115 56.5 50.1 75.1



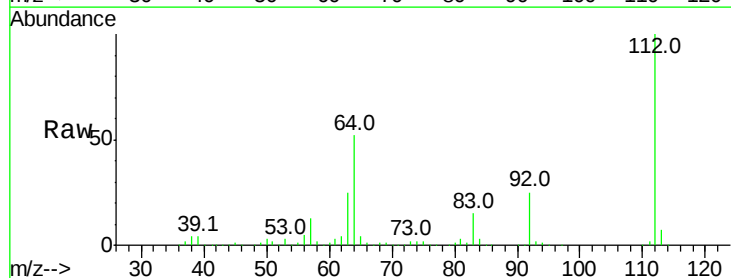
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



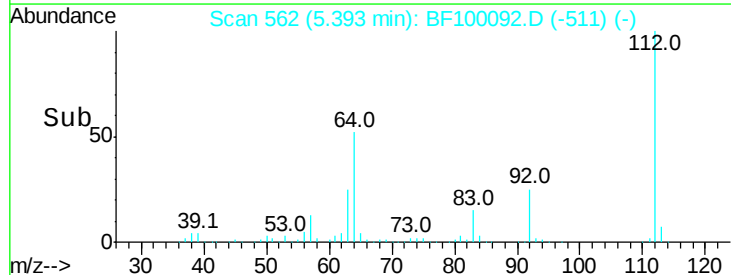
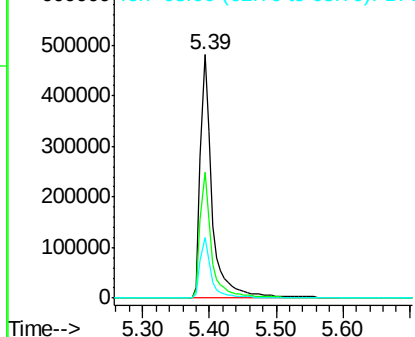
#5

2-Fluorophenol  
Concen: 103.133 ng  
RT: 5.39 min Scan# 562  
Delta R.T. 0.00 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Tgt Ion:112 Resp: 575098  
Ion Ratio Lower Upper  
112 100  
64 51.9 47.9 71.9  
63 24.8 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: 106.007 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

Instrument :

BNA\_F

ClientSampleId :

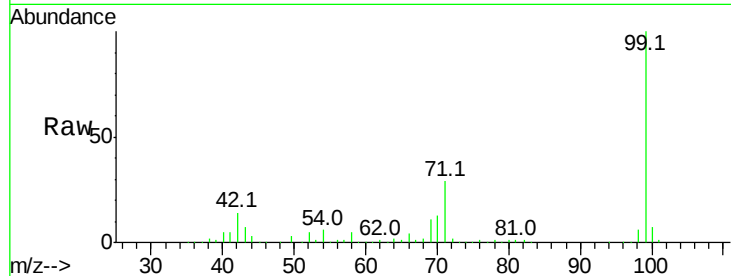
Tot Ion: 99 Resp: 700910

Ion Ratio Lower Upper

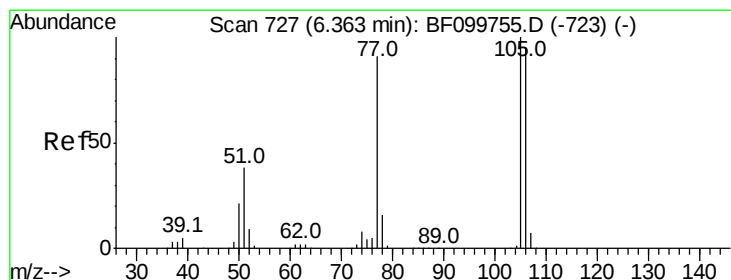
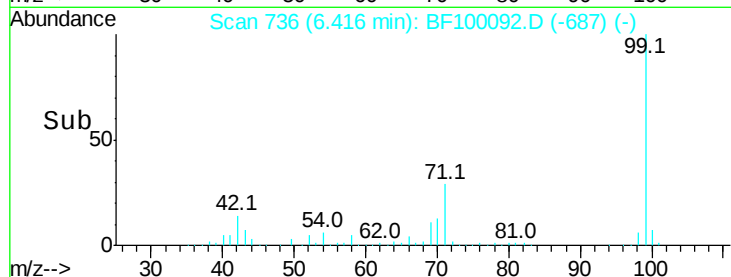
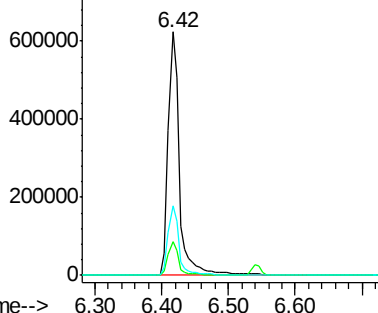
99 100

42 13.7 14.5 21.7#

71 28.6 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: 2.584 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.20 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

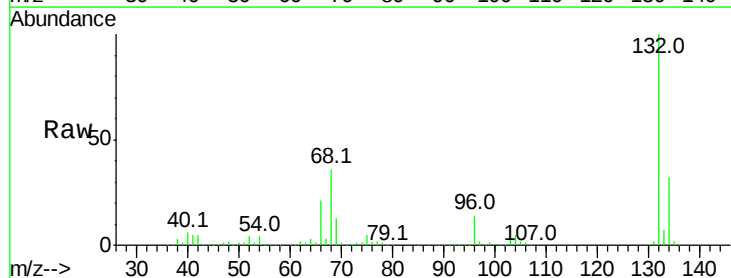
Tgt Ion: 77 Resp: 10209

Ion Ratio Lower Upper

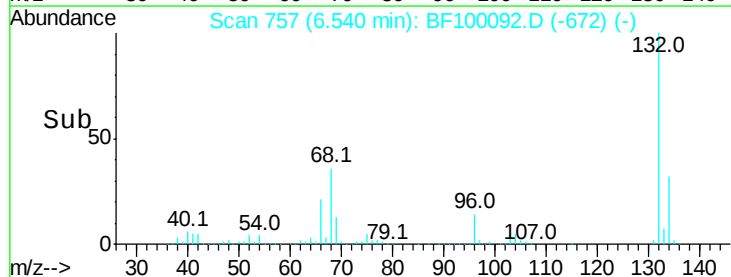
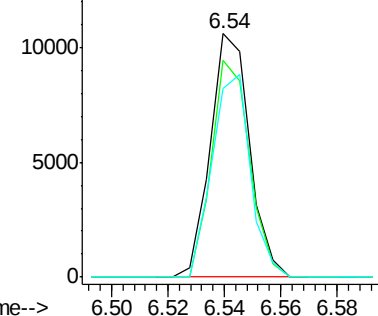
77 100

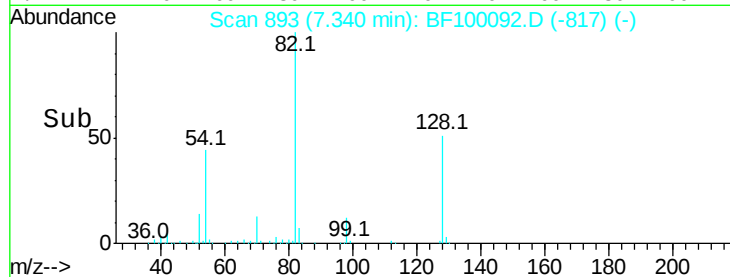
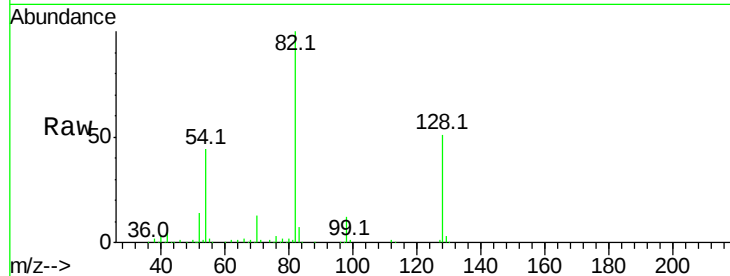
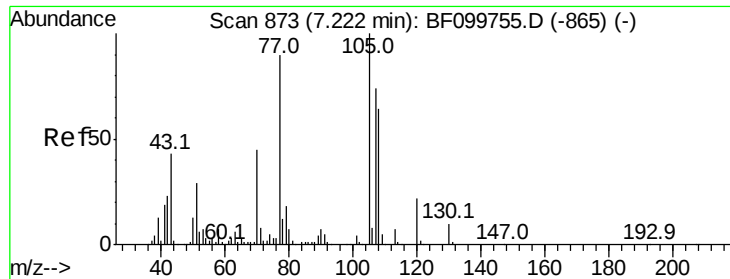
105 88.8 81.1 121.1

106 77.7 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

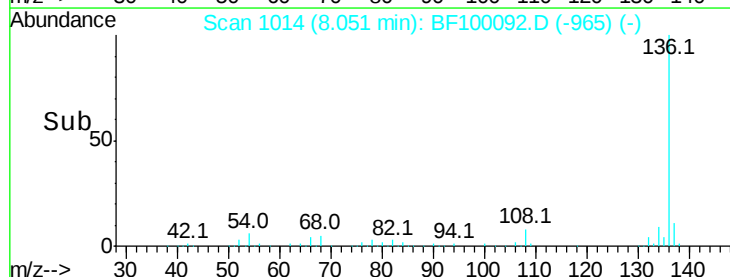
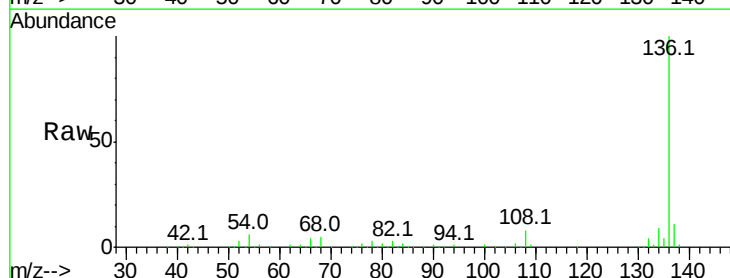
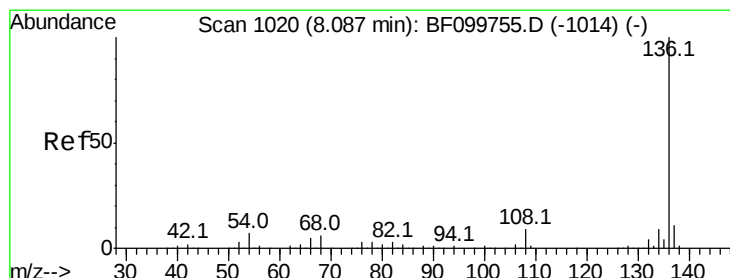
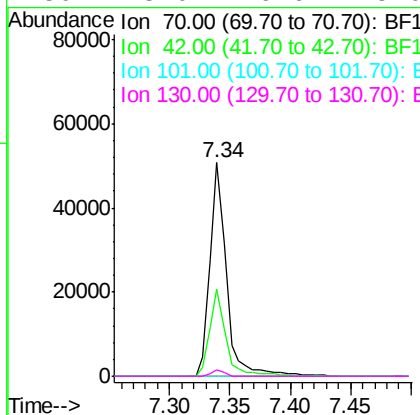




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.447 ng  
RT: 7.34 min Scan# 893  
Delta R.T. 0.15 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

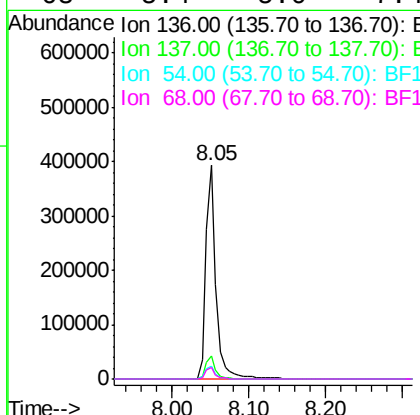
Instrument :  
BNA\_F  
ClientSampleId :

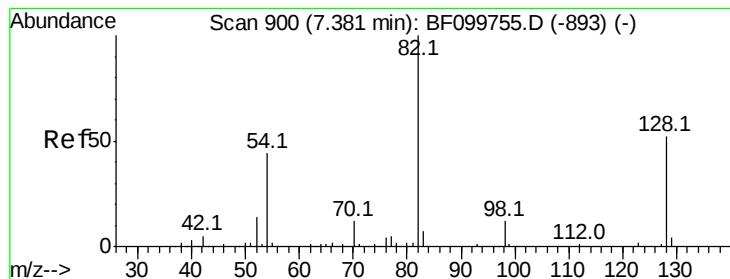
Tot Ion: 70 Resp: 48228  
Ion Ratio Lower Upper  
70 100  
42 40.8 47.5 71.3#  
101 0.0 7.4 11.2#  
130 3.0 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Tgt Ion:136 Resp: 356103  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 6.1 6.6 9.8#  
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 70.356 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

Instrument :

BNA\_F

ClientSampled :

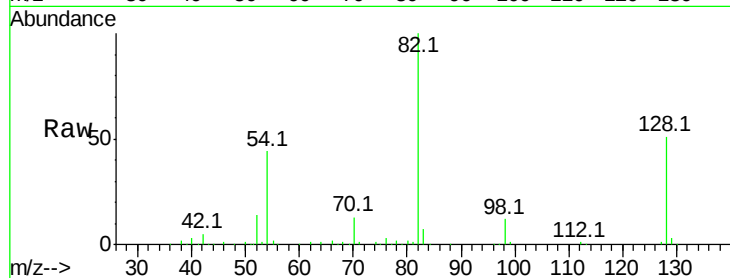
Tot Ion: 82 Resp: 389153

Ion Ratio Lower Upper

82 100

128 50.8 36.1 54.1

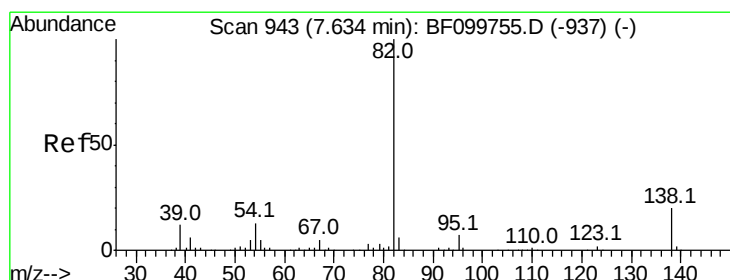
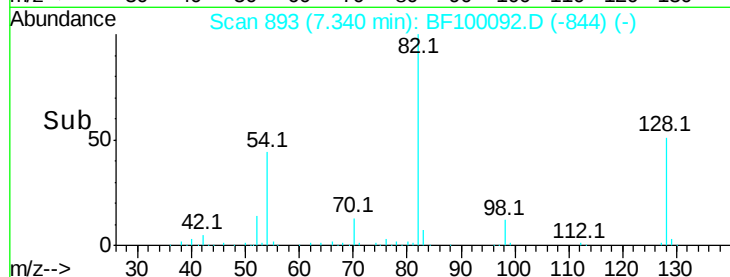
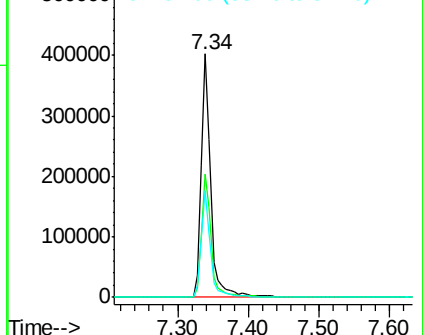
54 43.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 38.773 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

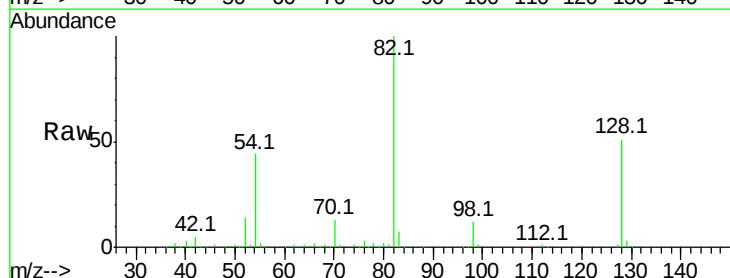
Tgt Ion: 82 Resp: 389153

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

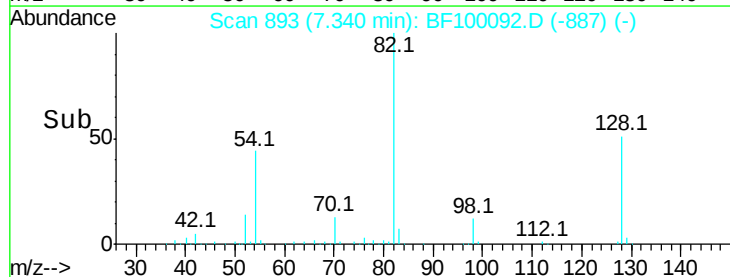
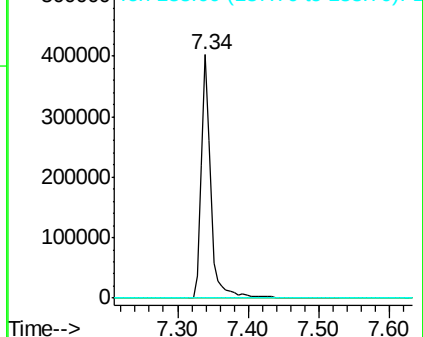
138 0.0 14.9 22.3#

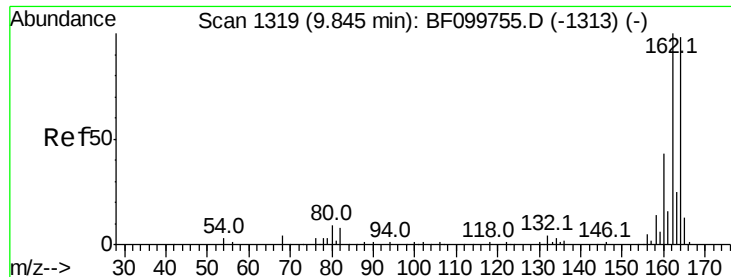


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

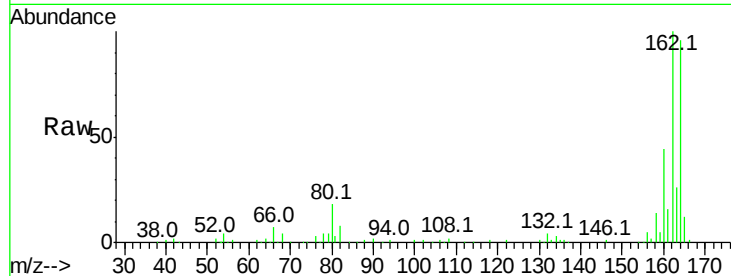




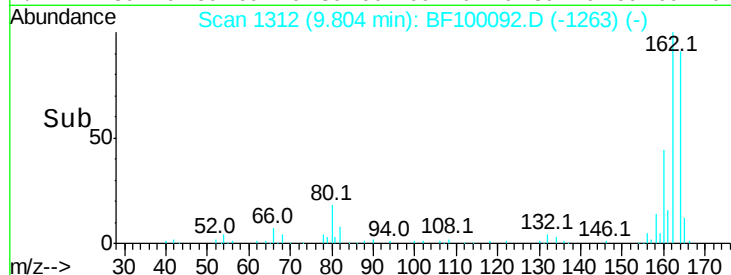
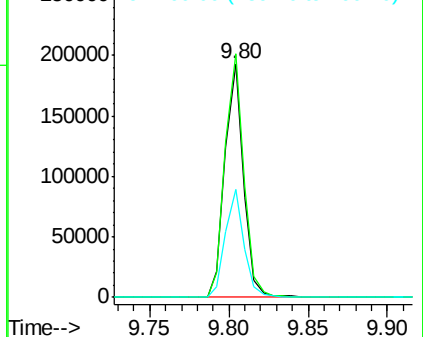
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 156668  
Ion Ratio Lower Upper  
164 100  
162 104.2 86.1 129.1  
160 46.1 38.3 57.5

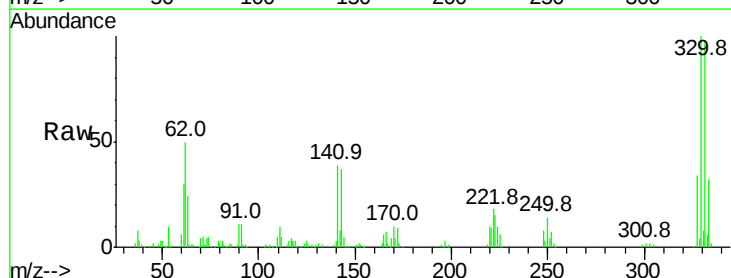


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

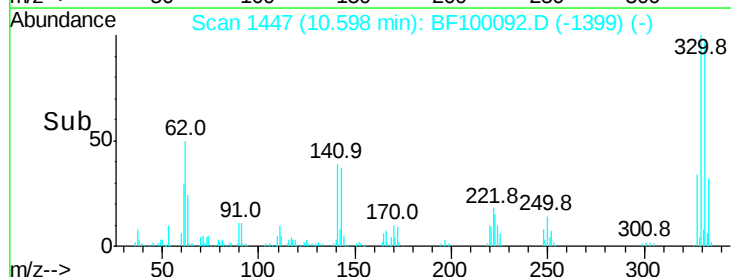
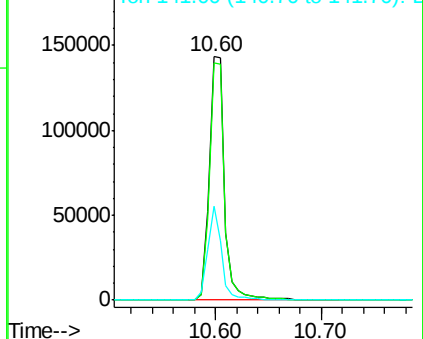


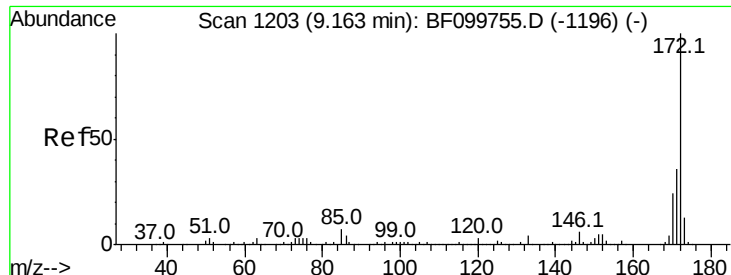
#41  
2,4,6-Tribromophenol  
Concen: 102.114 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. -0.02 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Tgt Ion:330 Resp: 145792  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.0 115.6  
141 34.3 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

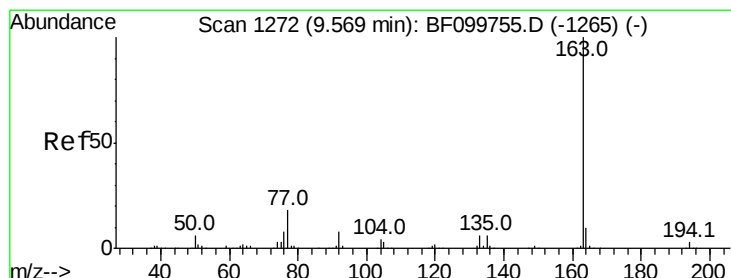
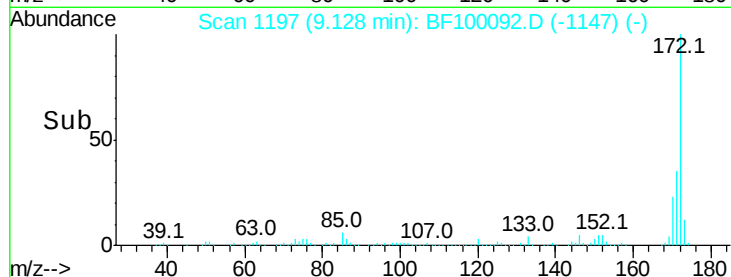
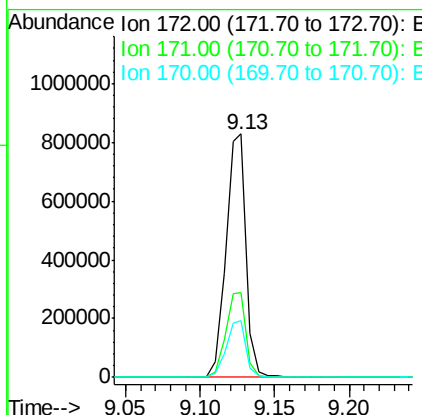
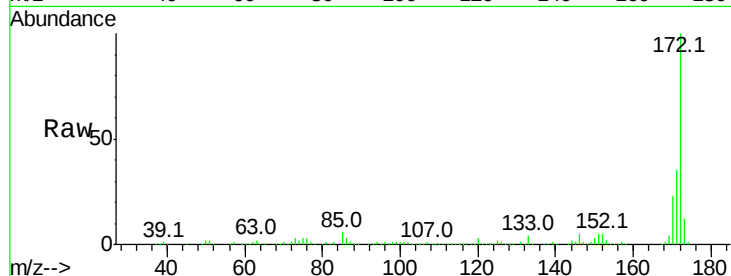




#44  
2-Fluorobiphenyl  
Concen: 77.741 ng  
RT: 9.13 min Scan# 1197  
Delta R.T. -0.01 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

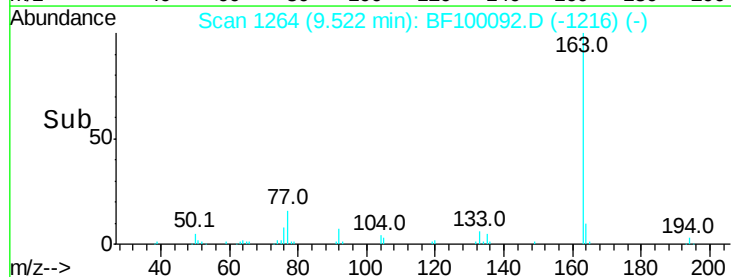
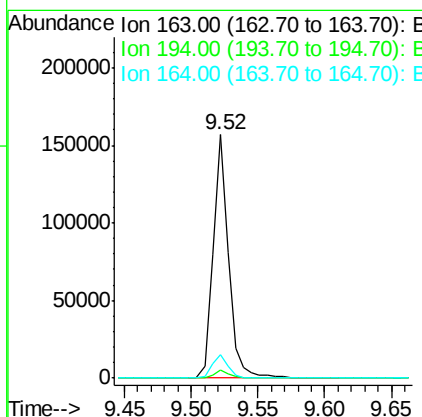
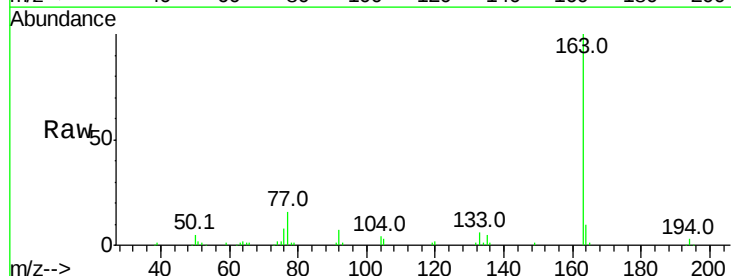
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 789426  
Ion Ratio Lower Upper  
172 100  
171 35.1 29.7 44.5  
170 23.4 19.6 29.4



#49  
Dimethylphthalate  
Concen: 10.313 ng  
RT: 9.52 min Scan# 1264  
Delta R.T. -0.02 min  
Lab File: BF100092.D  
Acq: 2 Nov 2017 18:34

Tgt Ion:163 Resp: 127949  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.7 4.1  
164 9.8 8.2 12.2

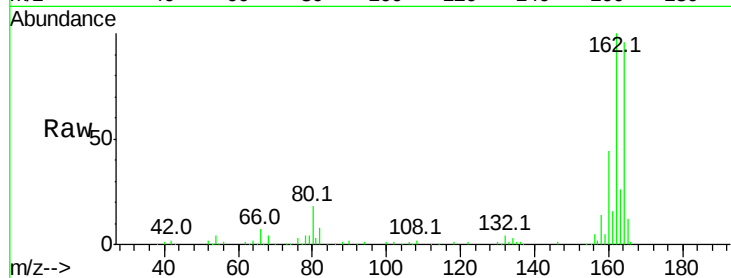




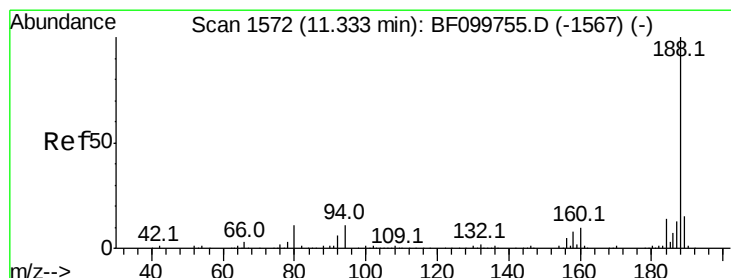
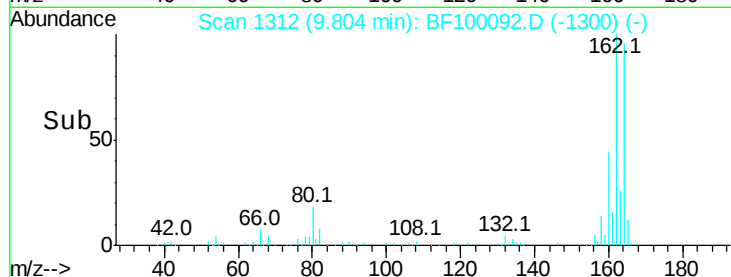
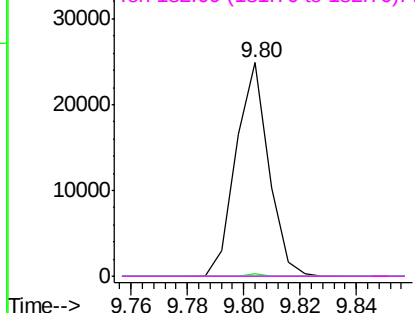
#56  
 2,4-Dinitrotoluene  
 Concen: 6.356 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.23 min  
 Lab File: BF100092.D  
 Acq: 2 Nov 2017 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 19963  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 36.4 54.6#  
 89 0.0 57.8 86.6#  
 182 0.0 1.6 2.4#

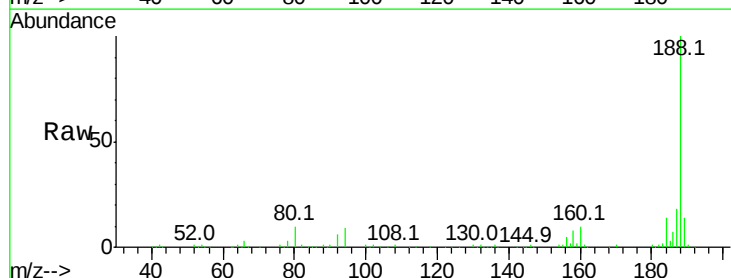


Abundance Ion 165.00 (164.70 to 165.70): E

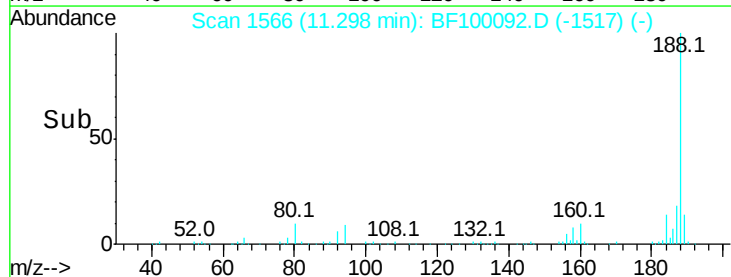
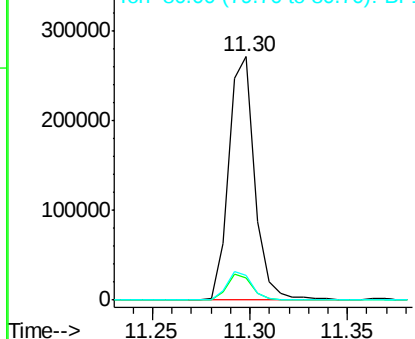


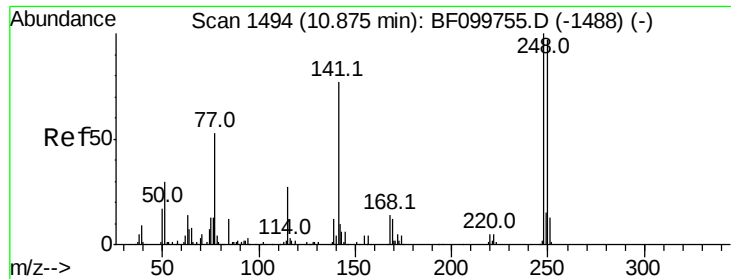
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF100092.D  
 Acq: 2 Nov 2017 18:34

Tgt Ion:188 Resp: 250462  
 Ion Ratio Lower Upper  
 188 100  
 94 9.4 8.5 12.7  
 80 9.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

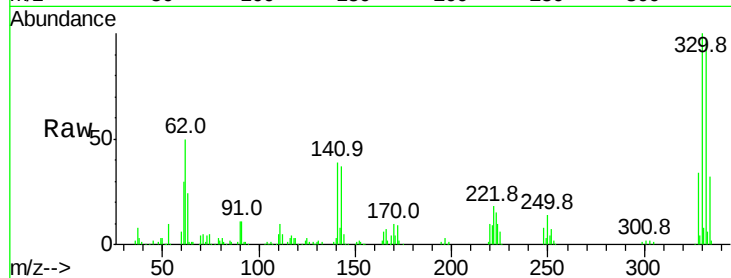




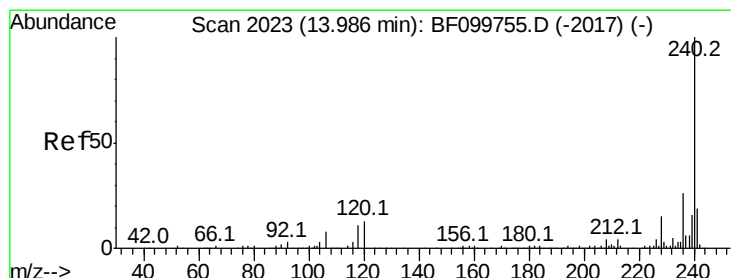
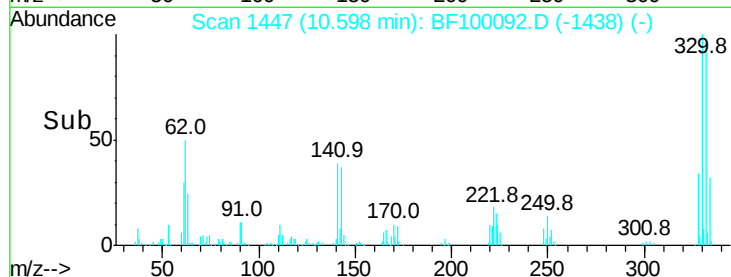
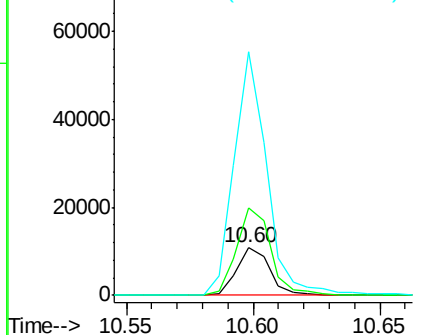
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.734 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.25 min  
 Lab File: BF100092.D  
 Acq: 2 Nov 2017 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 9845  
 Ion Ratio Lower Upper  
 248 100  
 250 184.0 76.9 115.3#  
 141 513.9 74.4 111.6#

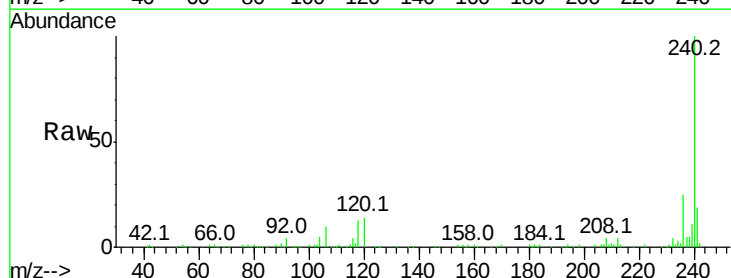


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

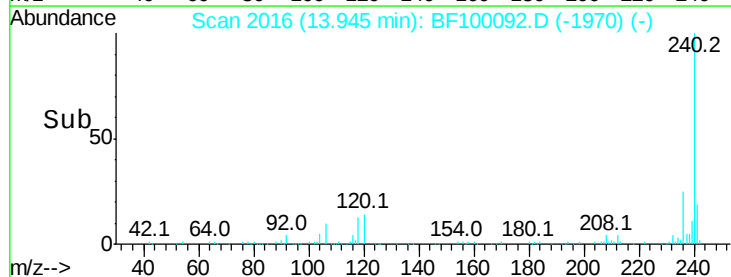
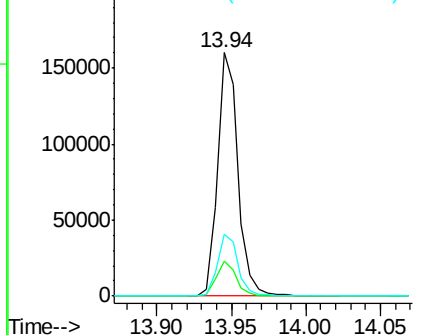


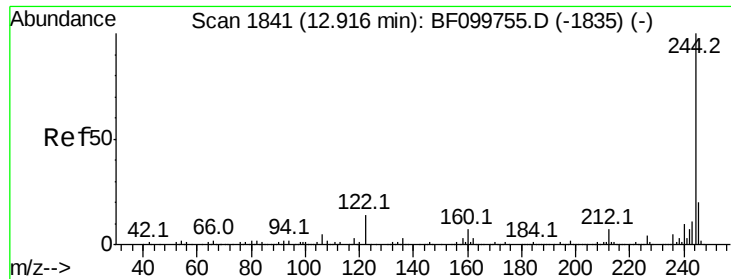
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.94 min Scan# 2016  
 Delta R.T. -0.03 min  
 Lab File: BF100092.D  
 Acq: 2 Nov 2017 18:34

Tgt Ion:240 Resp: 153398  
 Ion Ratio Lower Upper  
 240 100  
 120 14.4 9.5 14.3#  
 236 25.2 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: 78.222 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

Instrument :

BNA\_F

ClientSampleId :

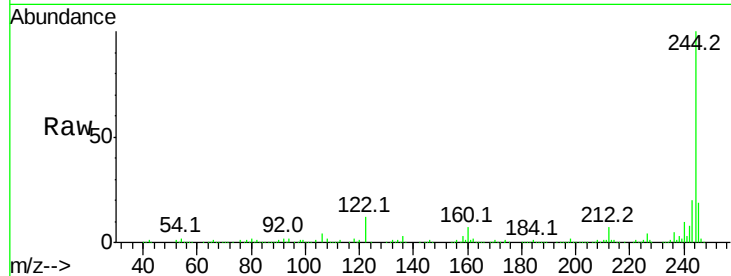
Tot Ion:244 Resp: 549062

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

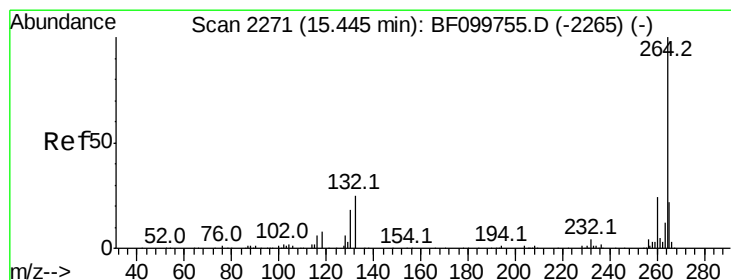
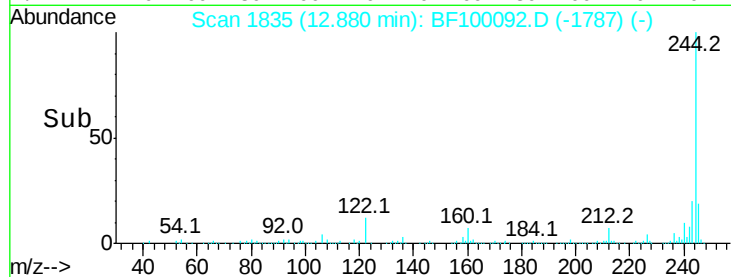
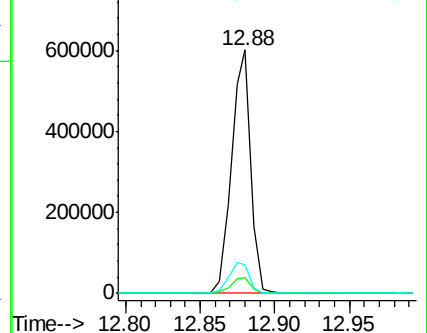
122 12.0 11.0 16.4



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# 2264

Delta R.T. -0.06 min

Lab File: BF100092.D

Acq: 2 Nov 2017 18:34

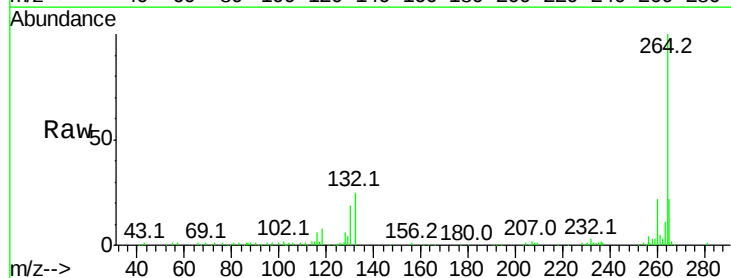
Tgt Ion:264 Resp: 157119

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

265 22.2 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

