

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\  
 Data File : BF094099.D  
 Acq On : 31 Mar 2017 16:39  
 Operator : SJ/MA  
 Sample : I2458-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 31 23:08:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 31 14:38:29 2017  
 Response via : Initial Calibration

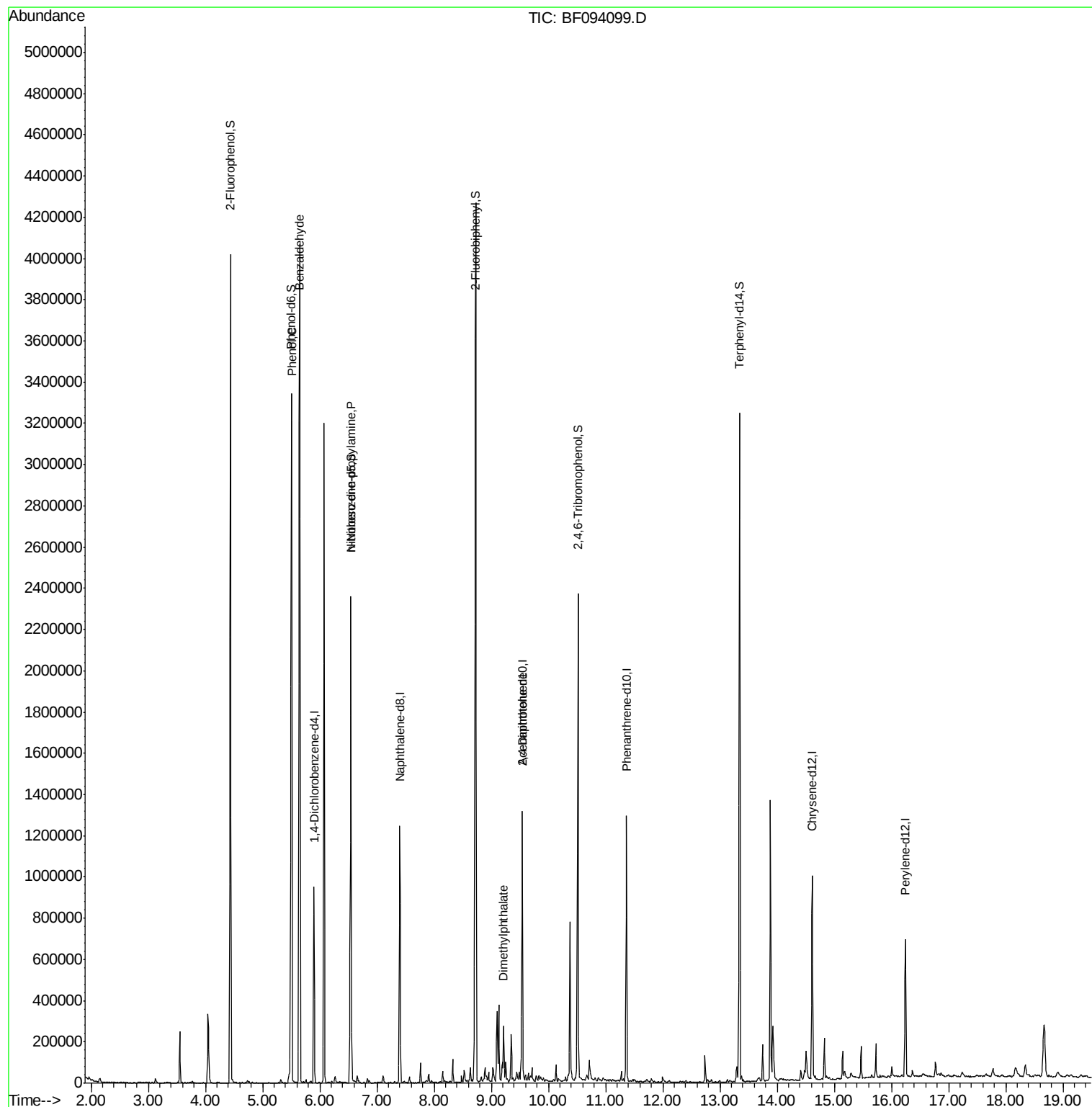
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.90  | 152  | 156135   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.40  | 136  | 628565   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10           | 9.54  | 164  | 287268   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.36 | 188  | 502658   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 14.62 | 240  | 372485   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12               | 16.24 | 264  | 264873   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.44  | 112  | 1289616  | 139.51 | ng    | 0.00      |
| 7) Phenol-d6                   | 5.50  | 99   | 1692711  | 148.02 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 6.55  | 82   | 1065544  | 96.74  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 334301   | 147.27 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 8.73  | 172  | 1700192  | 90.27  | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.34 | 244  | 1253256  | 75.42  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 5.65  | 77   | 29247    | 3.79   | ng    | Qvalue 82 |
| 10) Phenol                     | 5.52  | 94   | 44777    | 3.44   | ng    | 94        |
| 19) n-Nitroso-di-n-propylamine | 6.55  | 70   | 140964   | 19.18  | ng    | # 79      |
| 49) Dimethylphthalate          | 9.22  | 163  | 115774   | 5.67   | ng    | 100       |
| 56) 2,4-Dinitrotoluene         | 9.54  | 165  | 35626    | 6.06   | ng    | # 33      |

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

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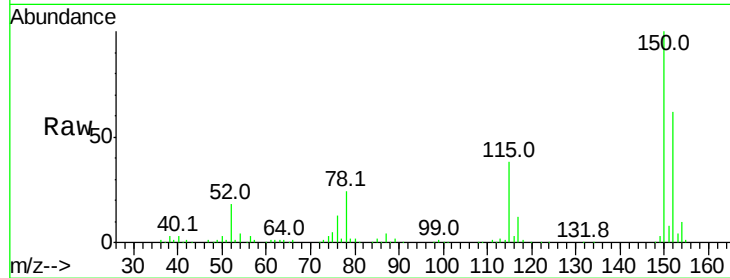


#1

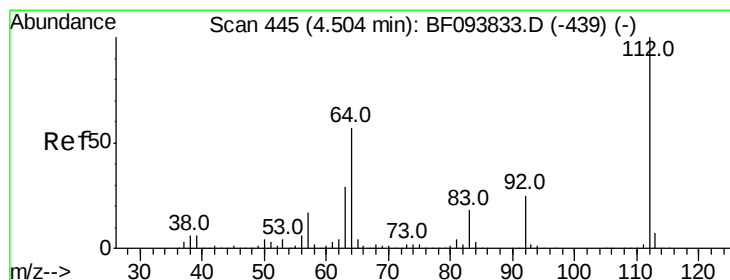
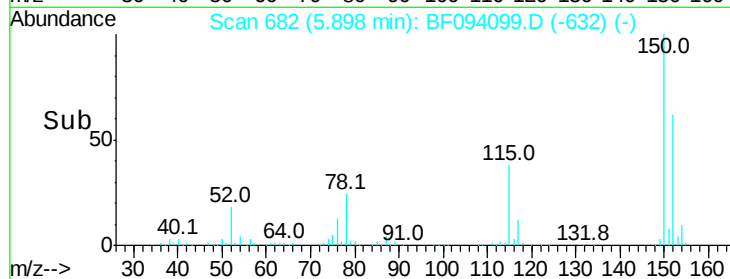
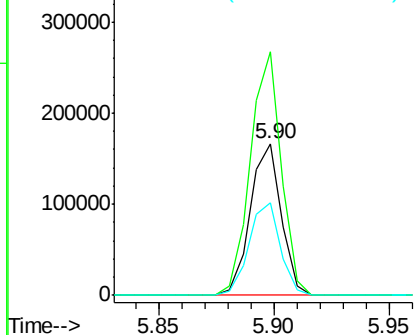
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.90 min Scan# 682  
Delta R.T. -0.01 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 156135  
Ion Ratio Lower Upper  
152 100  
150 160.2 126.2 189.2  
115 60.7 52.2 78.2



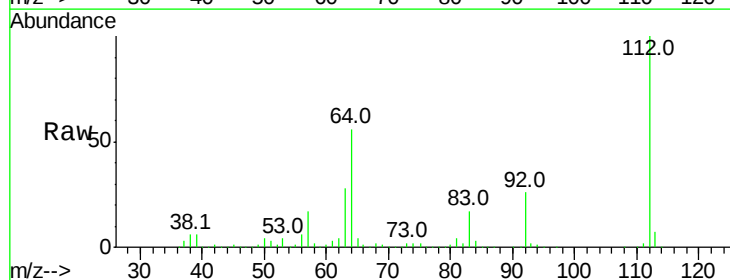
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



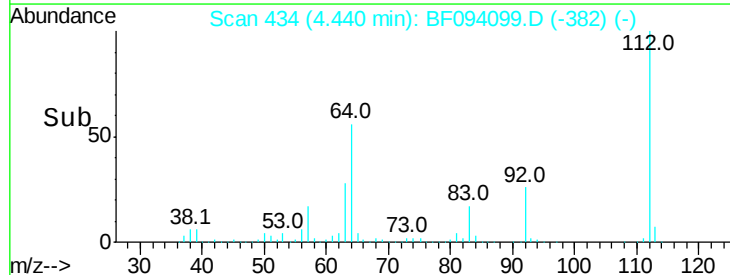
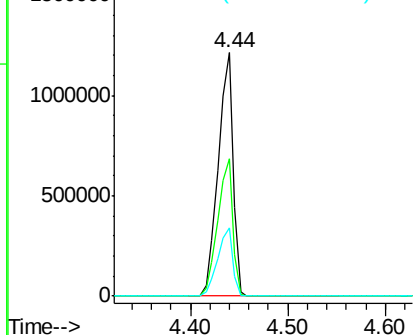
#5

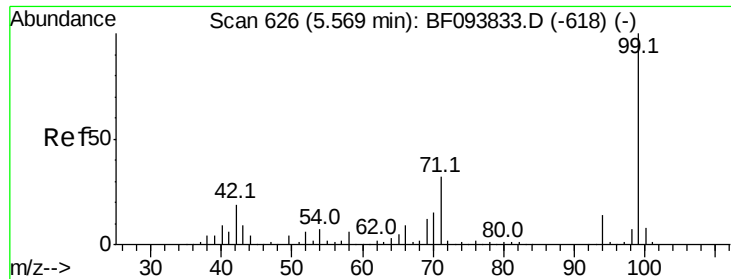
2-Fluorophenol  
Concen: 139.51 ng  
RT: 4.44 min Scan# 434  
Delta R.T. 0.01 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Tgt Ion:112 Resp: 1289616  
Ion Ratio Lower Upper  
112 100  
64 56.4 46.0 69.0  
63 28.3 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: 148.02 ng

RT: 5.50 min Scan# 615

Delta R.T. -0.01 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

Instrument :

BNA\_F

ClientSampleId :

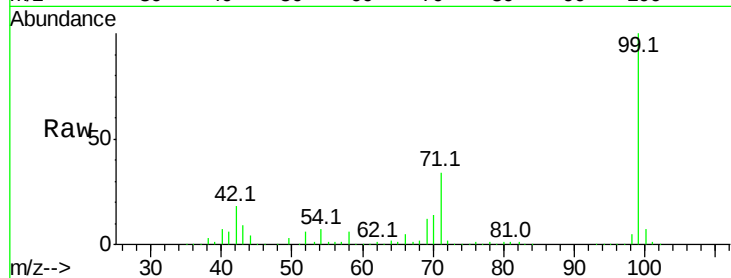
Tot Ion: 99 Resp: 1692711

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

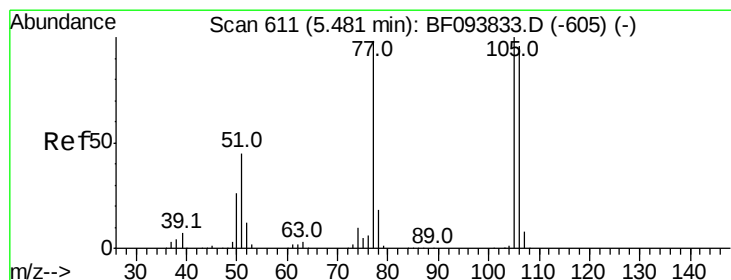
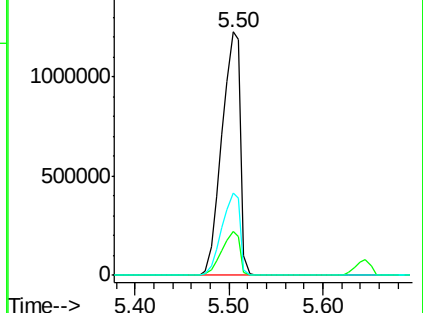
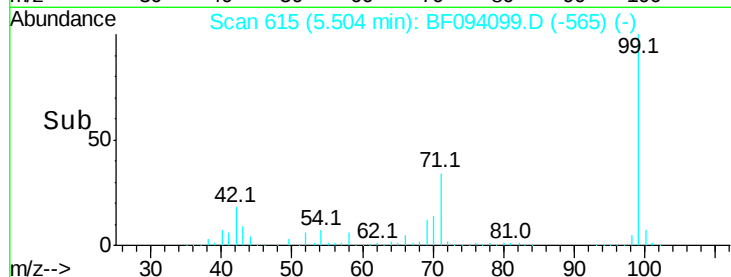
71 33.7 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.79 ng

RT: 5.65 min Scan# 639

Delta R.T. 0.25 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

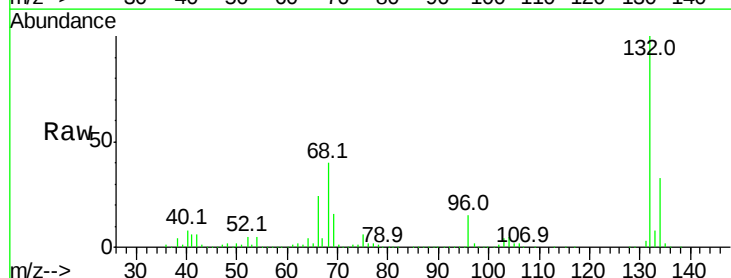
Tgt Ion: 77 Resp: 29247

Ion Ratio Lower Upper

77 100

105 86.2 83.8 123.8

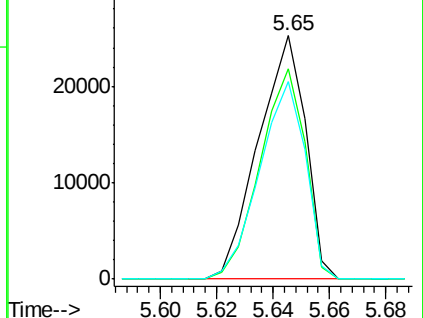
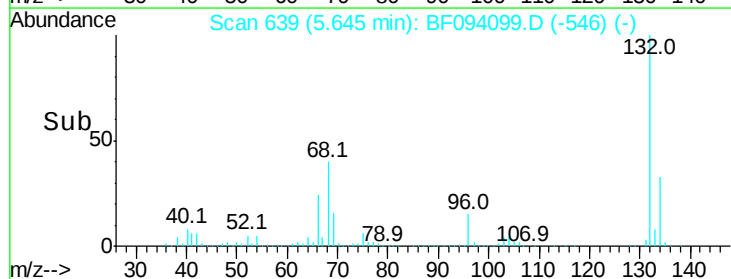
106 81.1 79.1 119.1

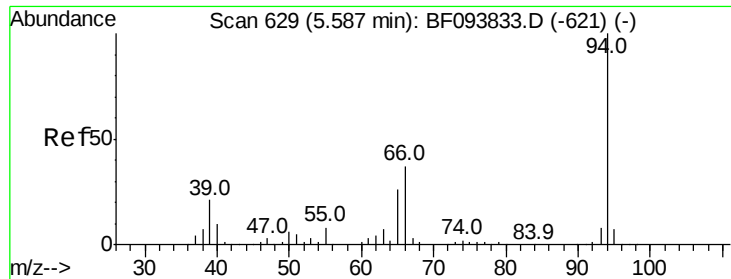


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

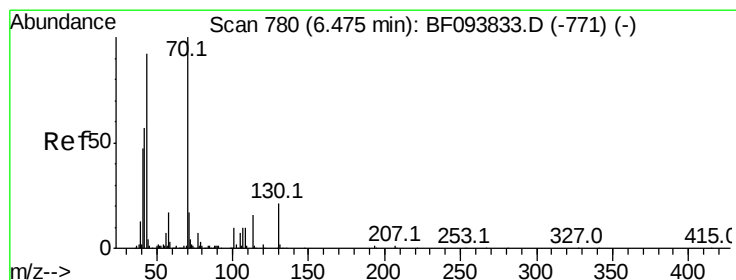
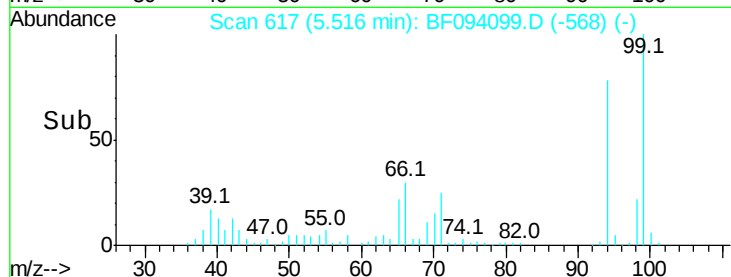
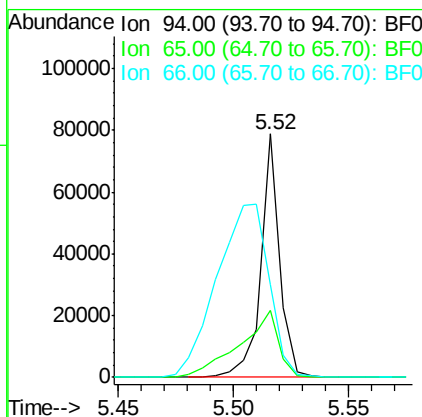
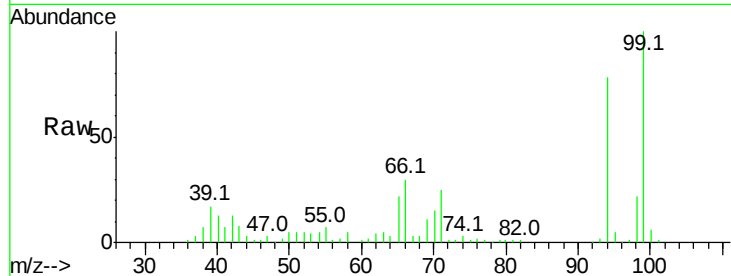




#10  
Phenol  
Concen: 3.44 ng  
RT: 5.52 min Scan# 617  
Delta R.T. -0.01 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

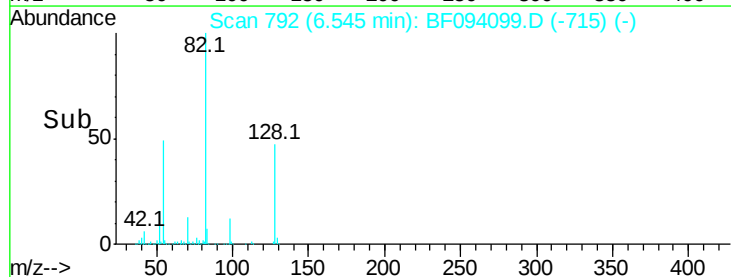
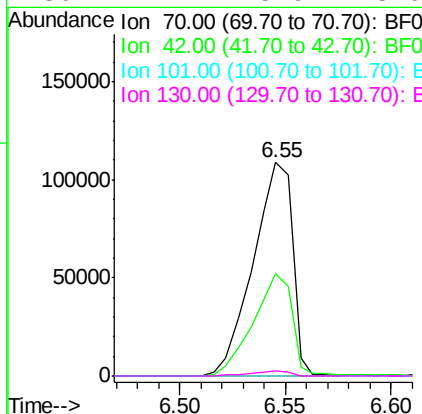
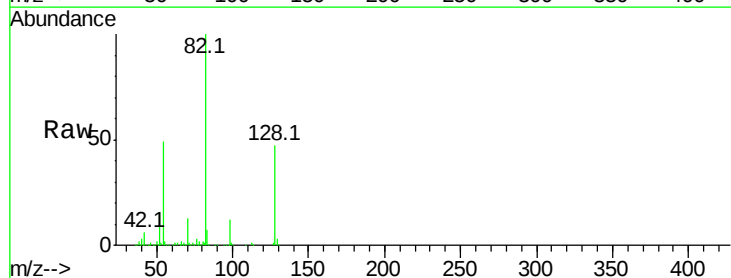
Instrument :  
BNA\_F  
ClientSampleId :

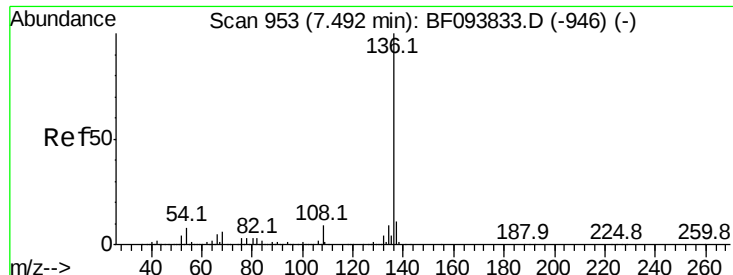
Tot Ion: 94 Resp: 44777  
Ion Ratio Lower Upper  
94 100  
65 27.6 9.9 49.9  
66 38.2 23.1 63.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.18 ng  
RT: 6.55 min Scan# 792  
Delta R.T. 0.15 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Tgt Ion: 70 Resp: 140964  
Ion Ratio Lower Upper  
70 100  
42 48.2 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 628565

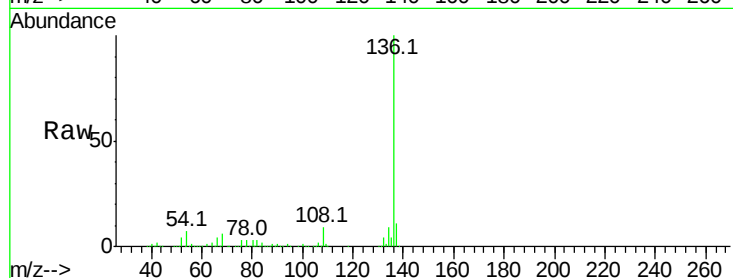
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.2 4.9 7.3

68 6.1 4.1 6.1

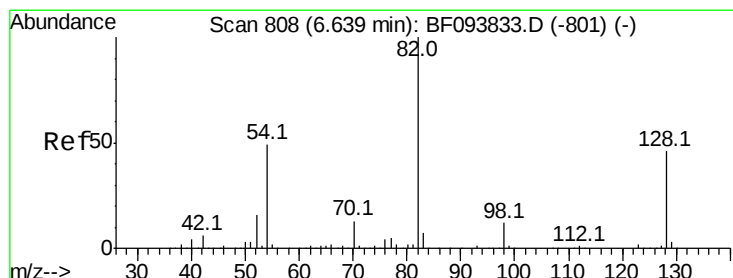
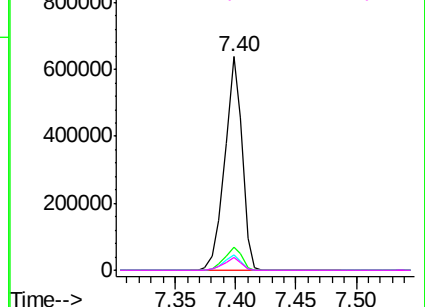
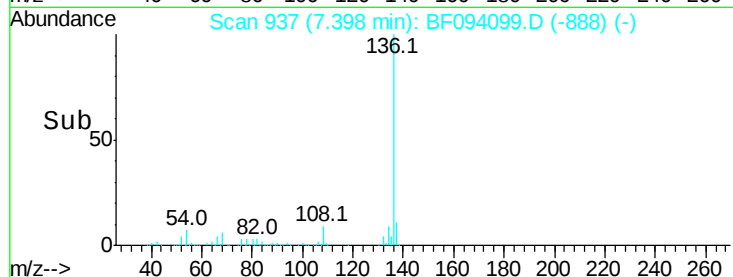


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.74 ng

RT: 6.55 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

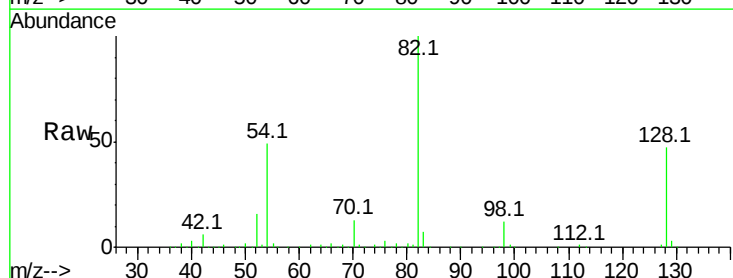
Tgt Ion: 82 Resp: 1065544

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

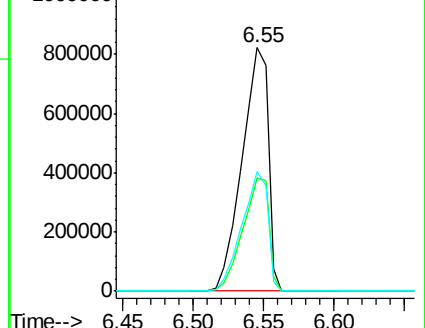
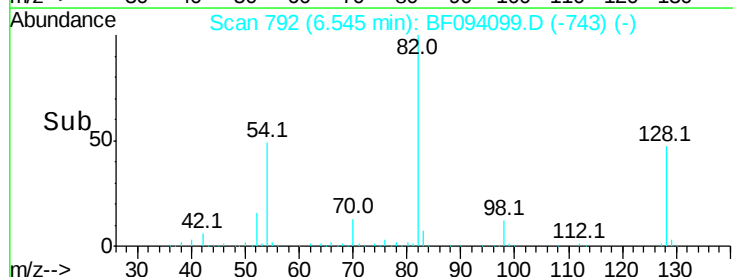
54 49.0 42.2 63.2

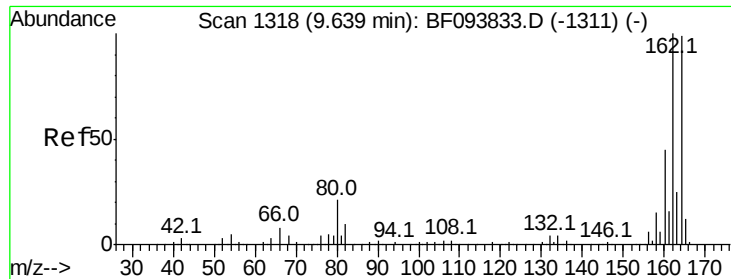


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

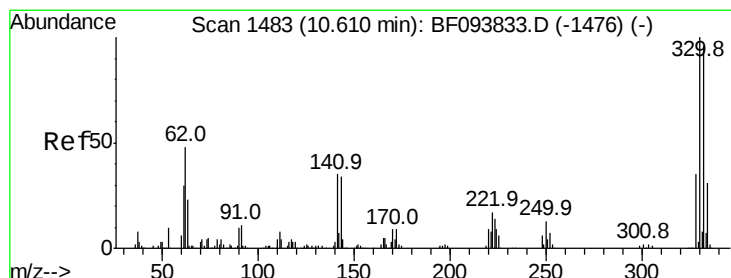
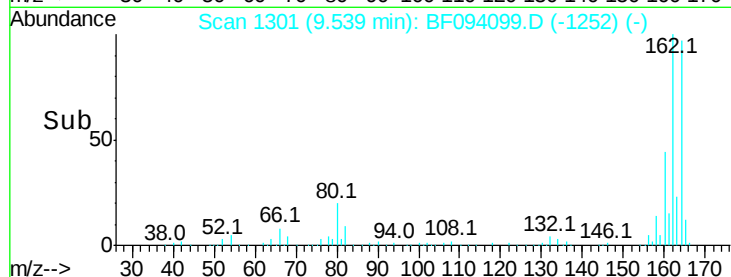
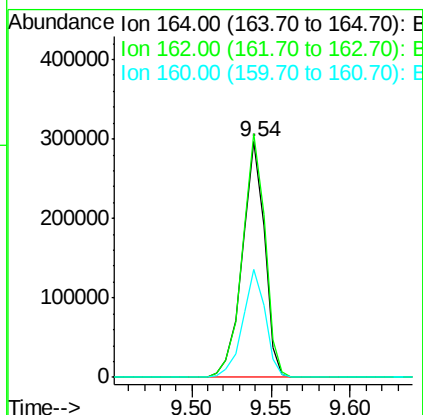
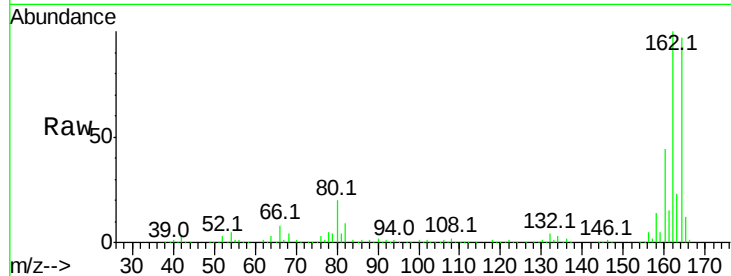




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.54 min Scan# 1301  
 Delta R.T. -0.01 min  
 Lab File: BF094099.D  
 Acq: 31 Mar 2017 16:39

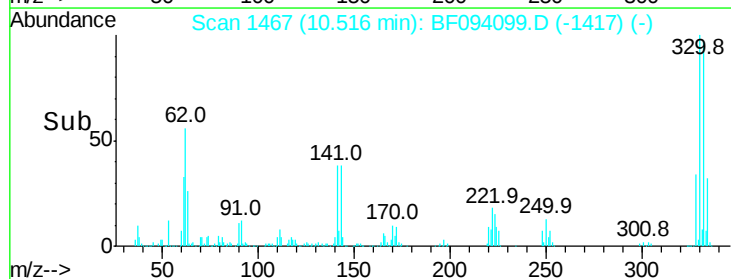
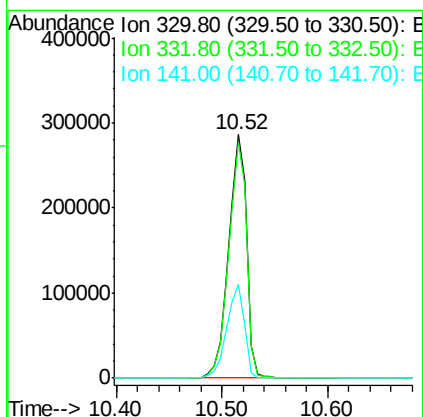
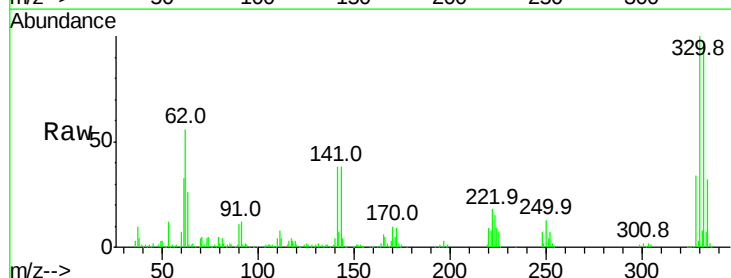
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 287268  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 82.6 123.8  
 160 46.0 36.2 54.2



#41  
 2,4,6-Tribromophenol  
 Concen: 147.27 ng  
 RT: 10.52 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: BF094099.D  
 Acq: 31 Mar 2017 16:39

Tgt Ion:330 Resp: 334301  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 38.0 31.4 47.2

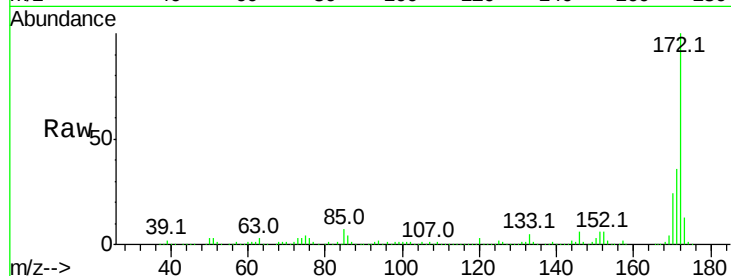




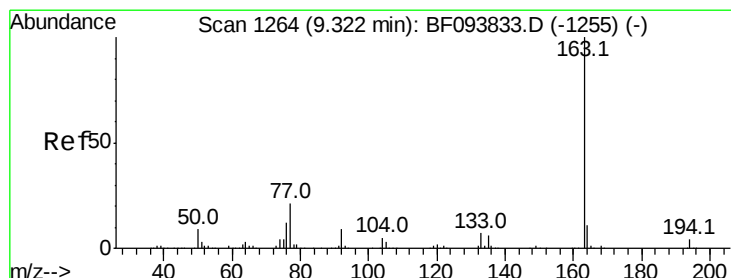
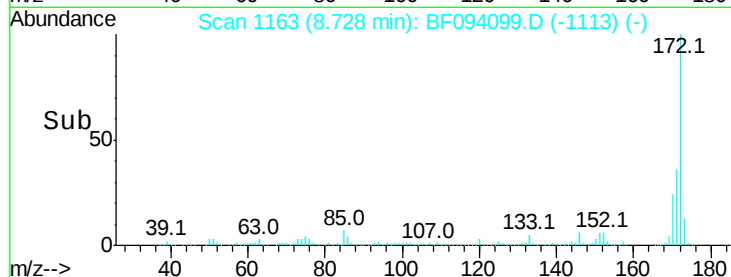
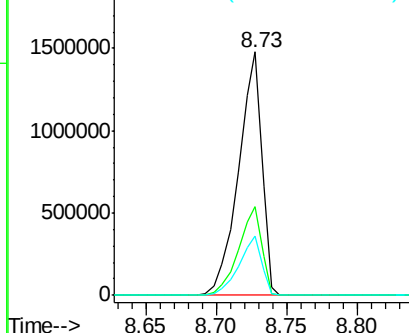
#44  
2-Fluorobiphenyl  
Concen: 90.27 ng  
RT: 8.73 min Scan# 1163  
Delta R.T. -0.01 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1700192  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.6 44.4  
170 24.2 19.8 29.8

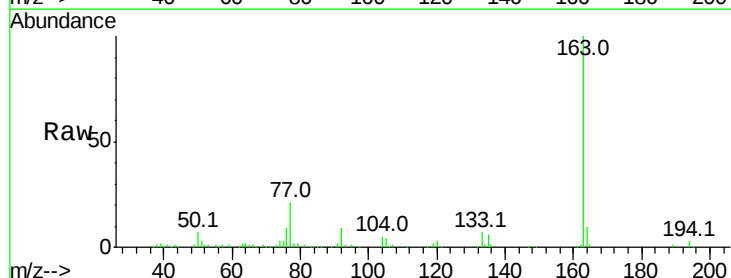


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

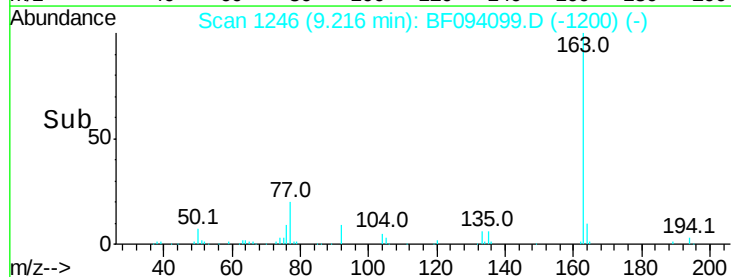
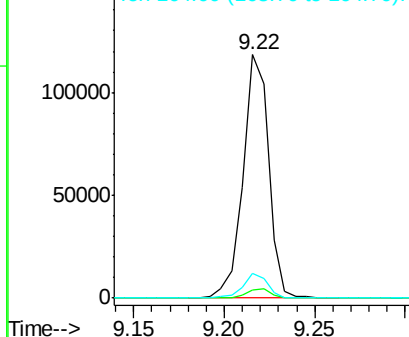


#49  
Dimethylphthalate  
Concen: 5.67 ng  
RT: 9.22 min Scan# 1246  
Delta R.T. -0.03 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Tgt Ion:163 Resp: 115774  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.6 4.0  
164 10.3 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

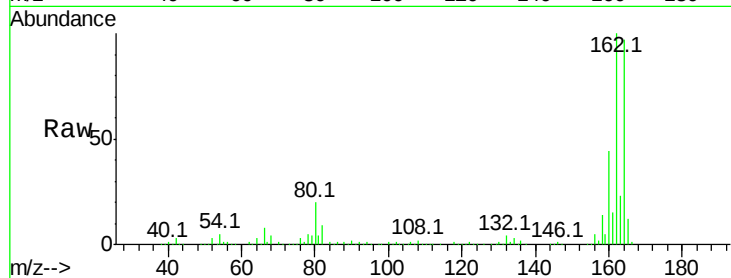




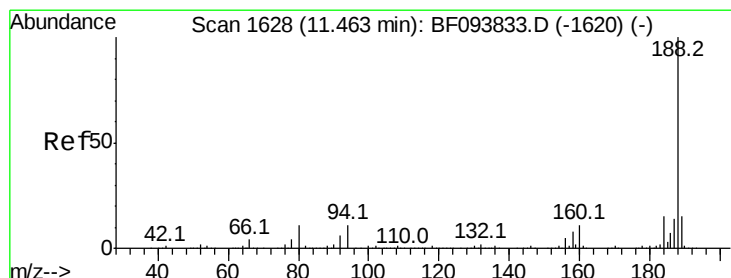
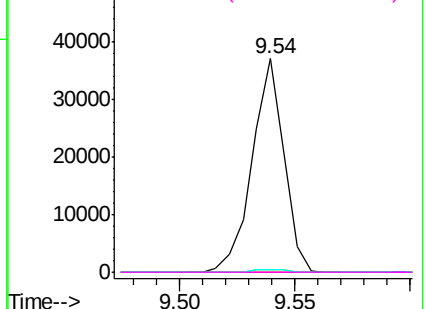
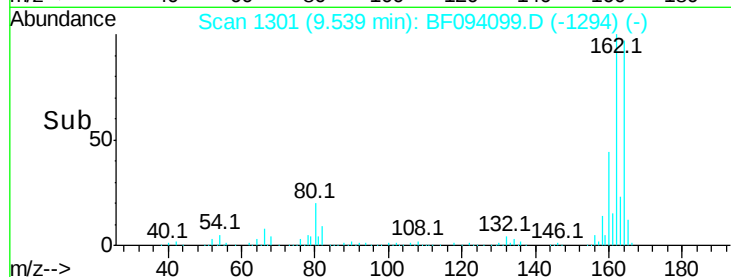
#56  
 2,4-Dinitrotoluene  
 Concen: 6.06 ng  
 RT: 9.54 min Scan# 1301  
 Delta R.T. -0.26 min  
 Lab File: BF094099.D  
 Acq: 31 Mar 2017 16:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 35626  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 25.4 38.0#  
 89 1.4 46.4 69.6#  
 182 0.0 1.8 2.6#

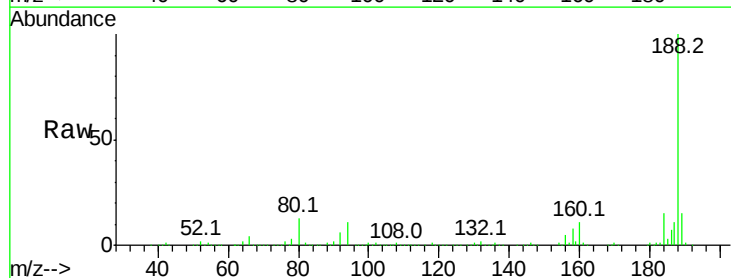


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0  
 Ion 182.00 (181.70 to 182.70): E

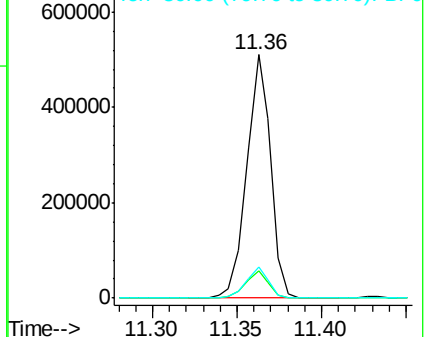
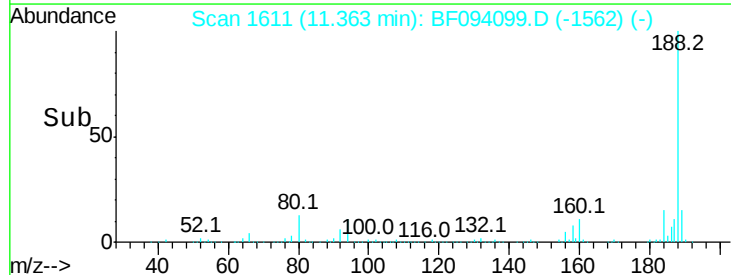


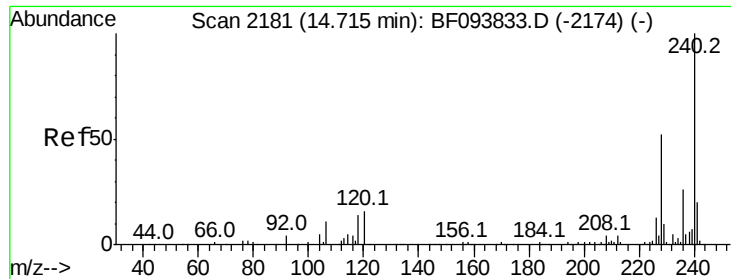
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.36 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BF094099.D  
 Acq: 31 Mar 2017 16:39

Tgt Ion:188 Resp: 502658  
 Ion Ratio Lower Upper  
 188 100  
 94 11.1 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

Instrument :

BNA\_F

ClientSampleID :

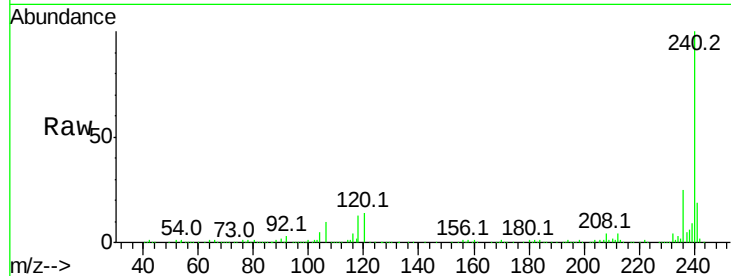
Tot Ion:240 Resp: 372485

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

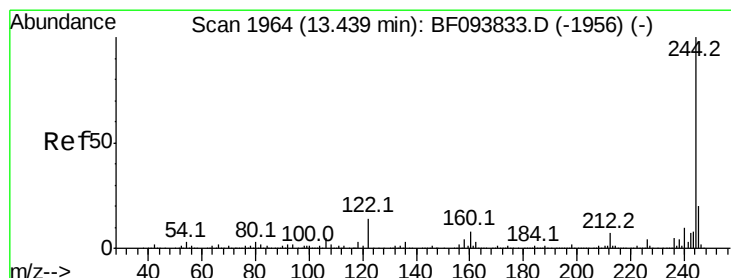
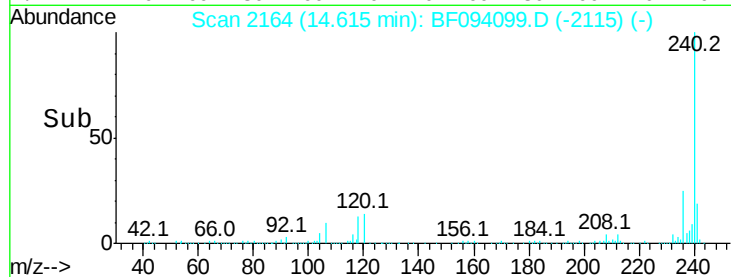
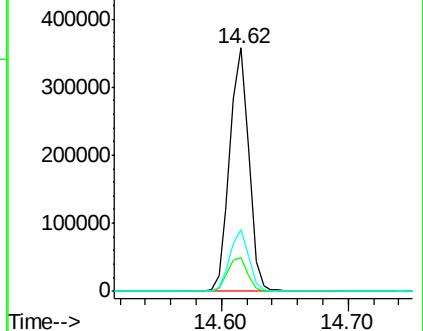
236 25.2 20.5 30.7



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: 75.42 ng

RT: 13.34 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BF094099.D

Acq: 31 Mar 2017 16:39

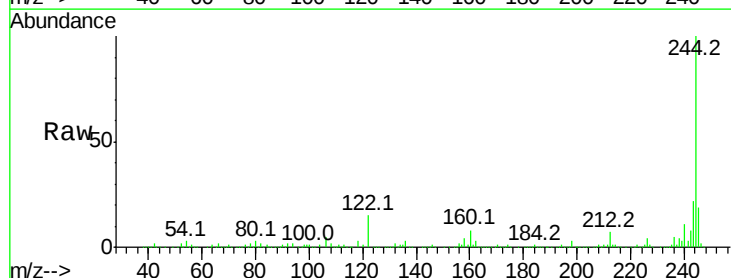
Tgt Ion:244 Resp: 1253256

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

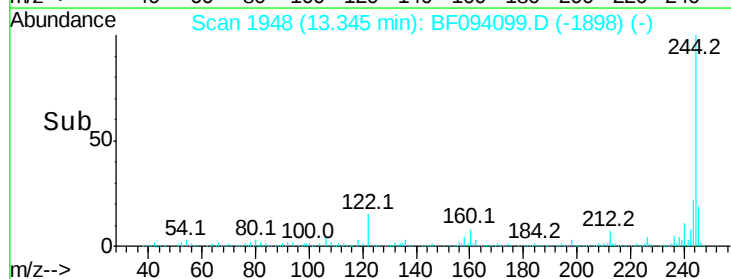
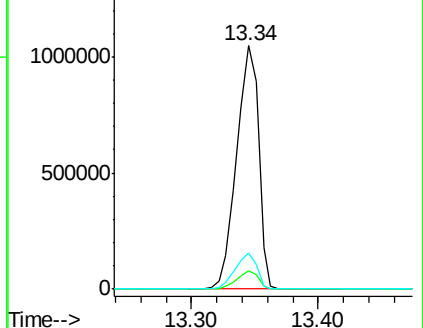
122 14.6 10.3 15.5

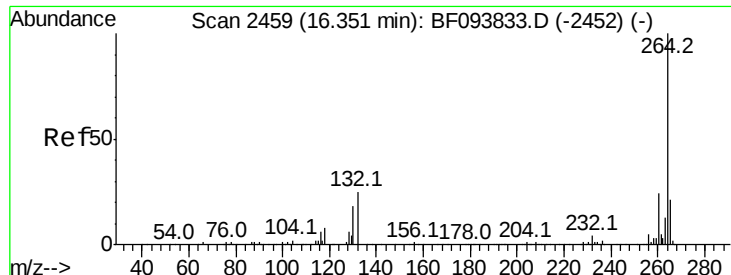


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

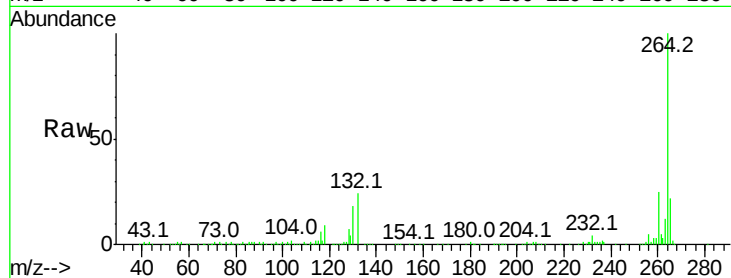




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.24 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BF094099.D  
Acq: 31 Mar 2017 16:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 264873  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.5 29.3  
265 22.4 17.2 25.8



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

