

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051817\  
 Data File : BF095225.D  
 Acq On : 18 May 2017 16:37  
 Operator : SJ/MA  
 Sample : PB99052BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 19 01:09:24 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 17:07:53 2017  
 Response via : Initial Calibration

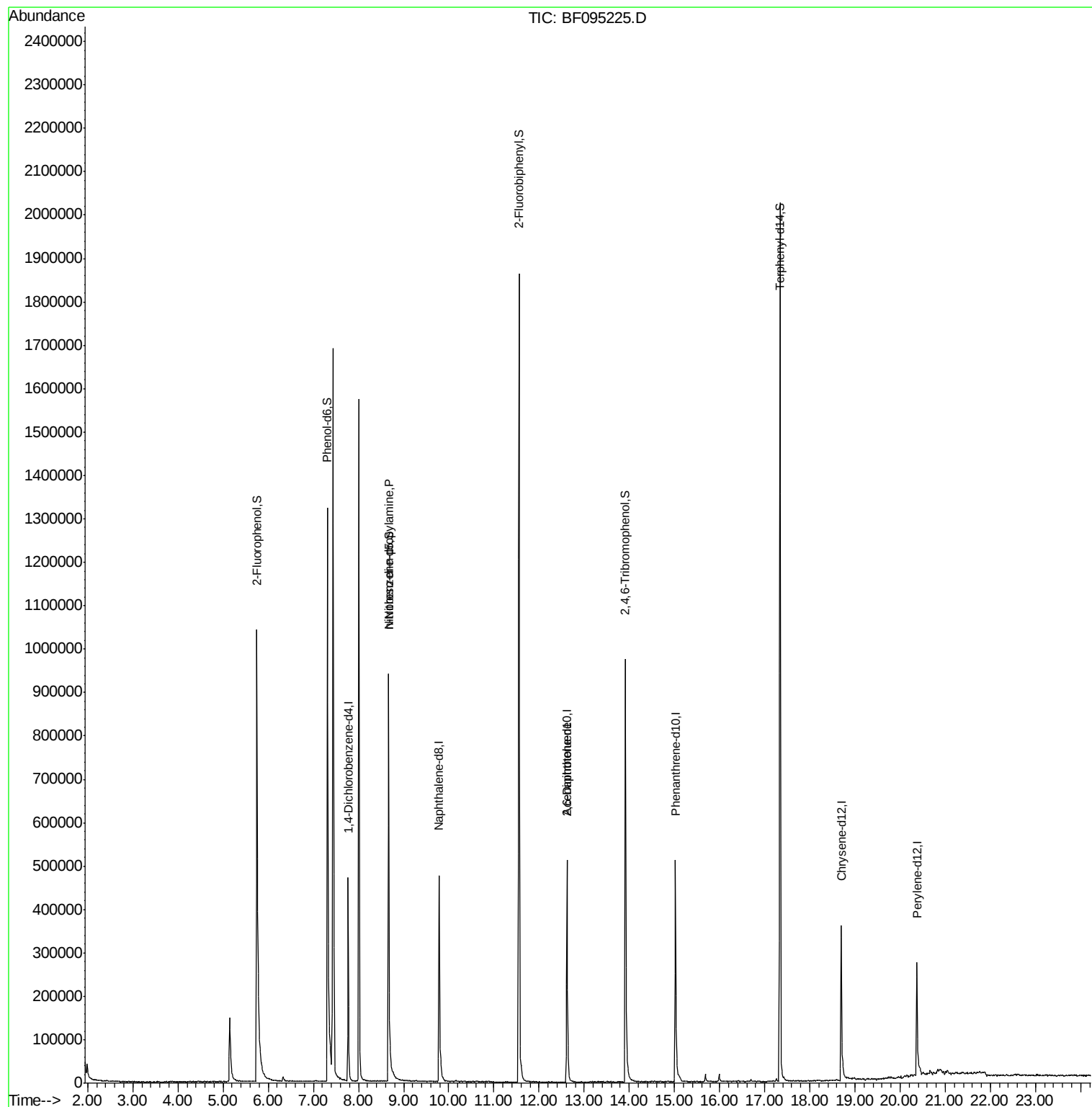
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.77  | 152  | 102022   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.78  | 136  | 411120   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 12.62 | 164  | 178705   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 15.02 | 188  | 352537   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 18.69 | 240  | 221981   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 20.37 | 264  | 158724   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.75  | 112  | 694312   | 113.46 | ng    | 0.01     |
| 7) Phenol-d6                   | 7.31  | 99   | 849370   | 115.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.67  | 82   | 512252   | 78.57  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 13.92 | 330  | 187033   | 127.80 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 11.56 | 172  | 922151   | 74.27  | ng    | 0.00     |
| 78) Terphenyl-d14              | 17.34 | 244  | 837502   | 83.10  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 8.67  | 70   | 62816    | 12.65  | ng    | # 76     |
| 50) 2,6-Dinitrotoluene         | 12.62 | 165  | 19688    | 6.58   | ng    | # 31     |

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

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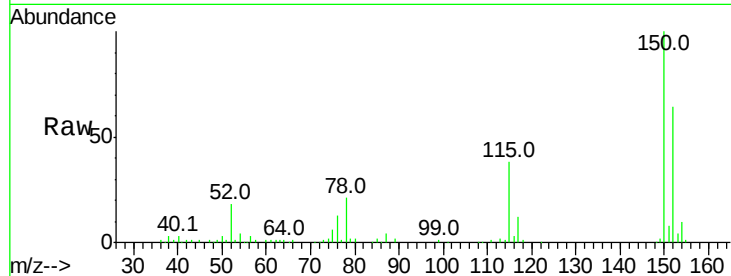


#1

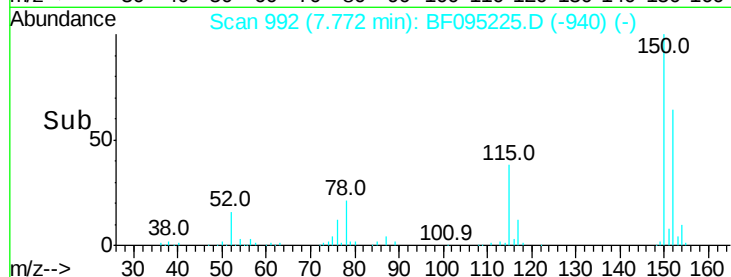
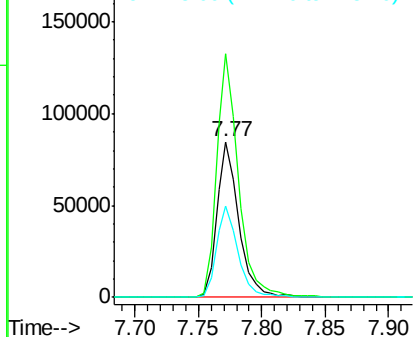
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: BF095225.D  
Acq: 18 May 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 102022  
Ion Ratio Lower Upper  
152 100  
150 156.4 126.2 189.2  
115 59.0 52.2 78.2



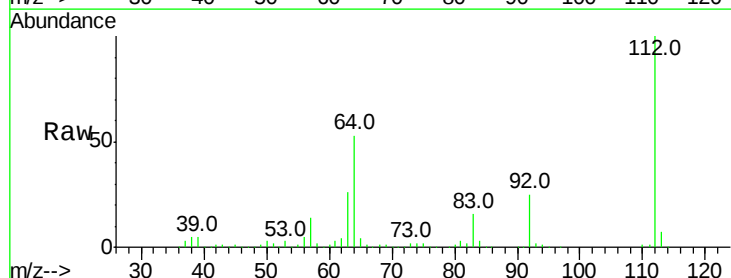
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



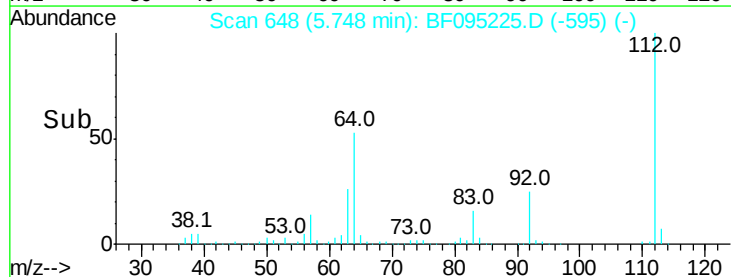
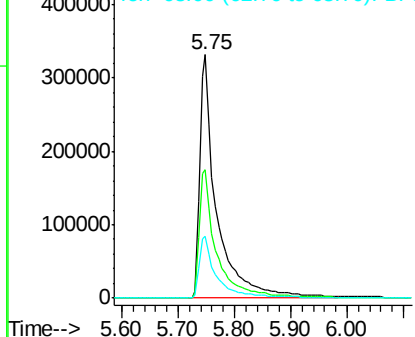
#5

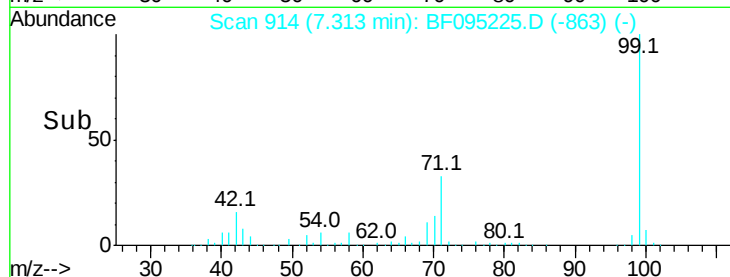
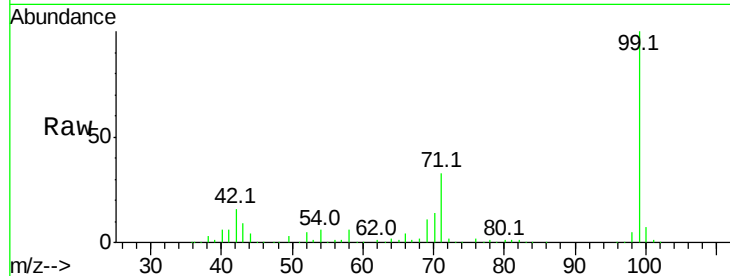
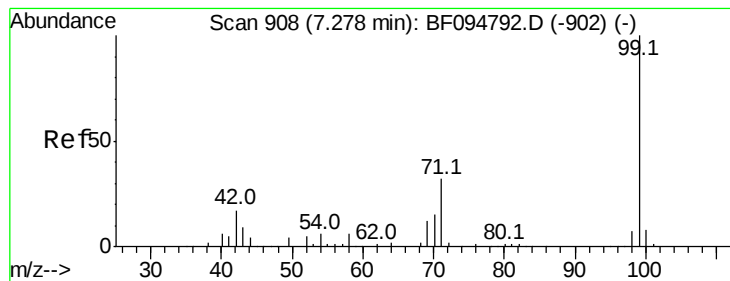
2-Fluorophenol  
Concen: 113.46 ng  
RT: 5.75 min Scan# 648  
Delta R.T. 0.01 min  
Lab File: BF095225.D  
Acq: 18 May 2017 16:37

Tgt Ion:112 Resp: 694312  
Ion Ratio Lower Upper  
112 100  
64 53.0 46.0 69.0  
63 25.6 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: 115.68 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095225.D

Acq: 18 May 2017 16:37

Instrument :

BNA\_F

ClientSampleId :

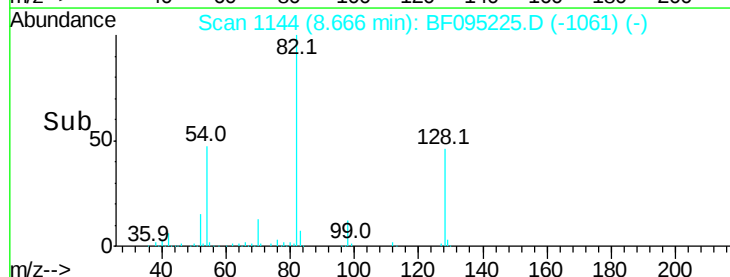
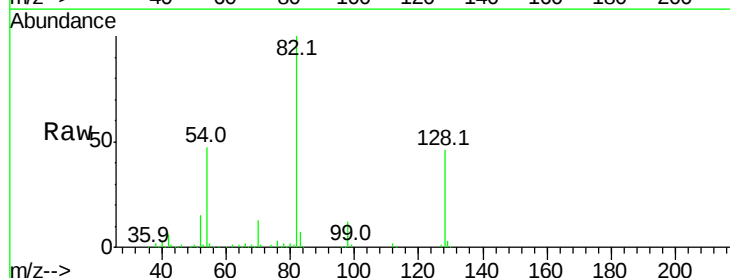
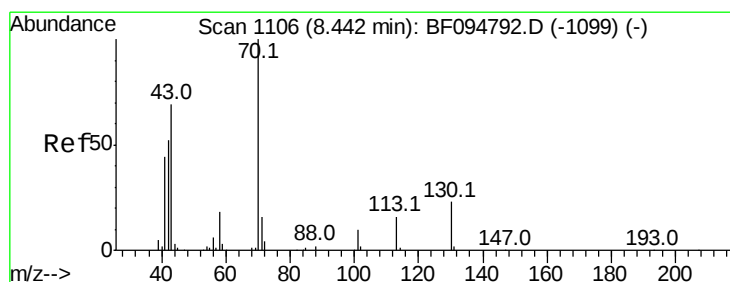
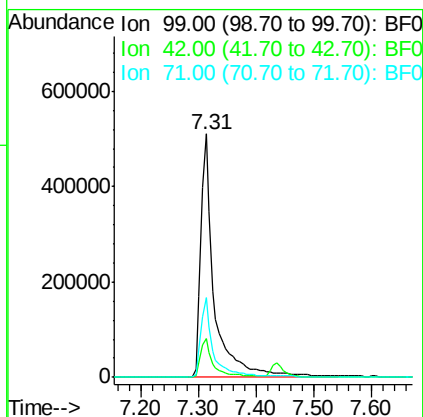
Tot Ion: 99 Resp: 849370

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

71 32.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.65 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.19 min

Lab File: BF095225.D

Acq: 18 May 2017 16:37

Tgt Ion: 70 Resp: 62816

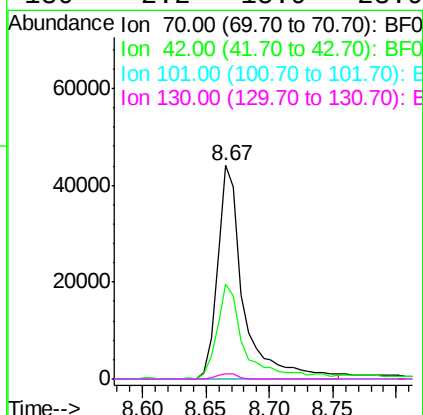
Ion Ratio Lower Upper

70 100

42 44.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

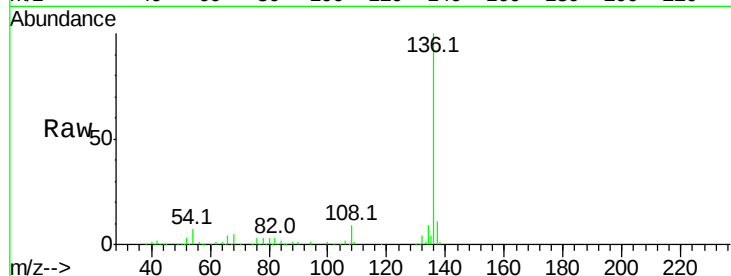




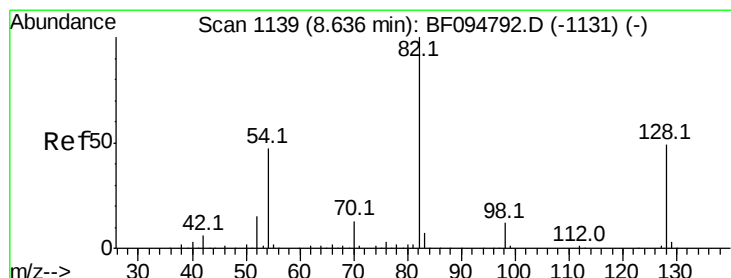
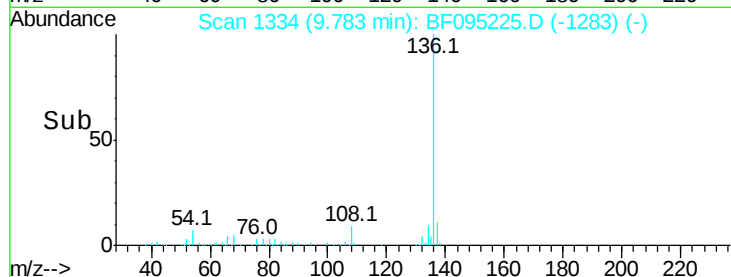
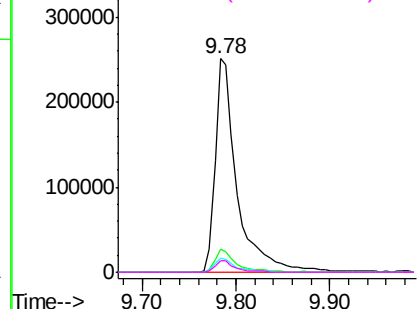
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.78 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: BF095225.D  
Acq: 18 May 2017 16:37

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 411120 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.0    | 8.5   | 12.7   |
| 54 6.6      | 4.9   | 7.3    |
| 68 5.4      | 4.1   | 6.1    |

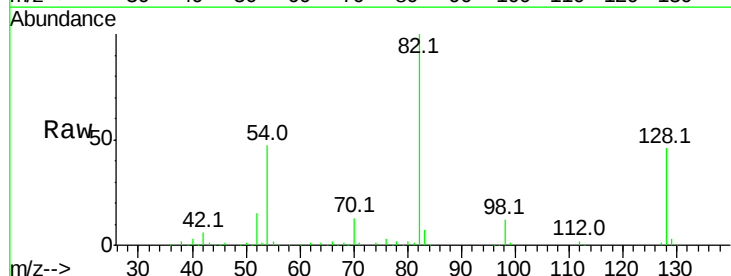


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

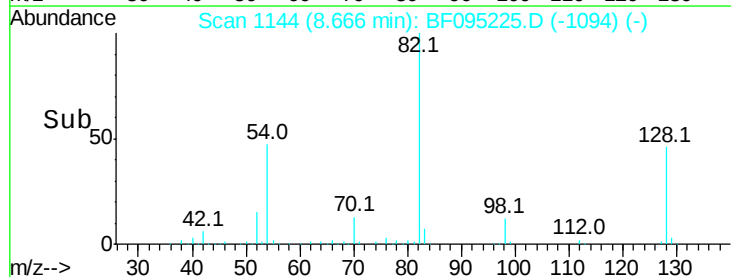
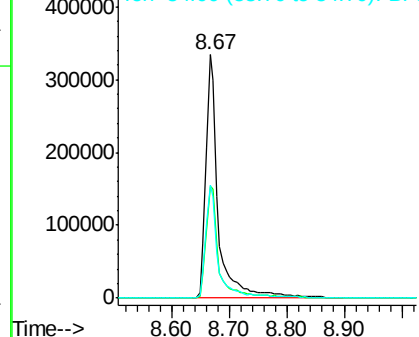


#23  
Nitrobenzene-d5  
Concen: 78.57 ng  
RT: 8.67 min Scan# 1144  
Delta R.T. -0.01 min  
Lab File: BF095225.D  
Acq: 18 May 2017 16:37

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 512252 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 45.7    | 34.0  | 51.0   |
| 54  | 46.7    | 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: 12.62 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF095225.D

Acq: 18 May 2017 16:37

Instrument :

BNA\_F

ClientSampleId :

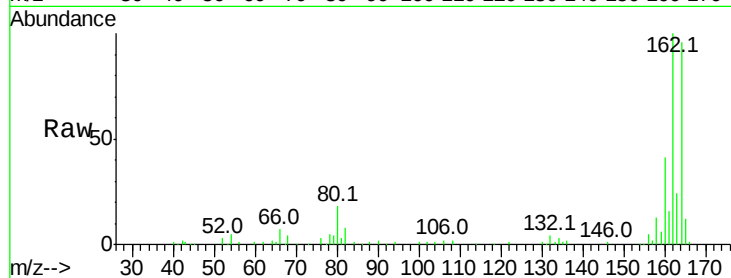
Tot Ion:164 Resp: 178705

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

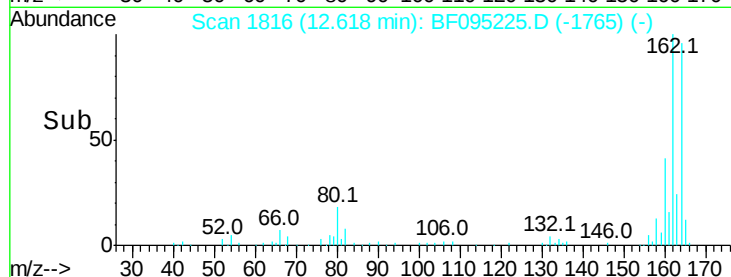
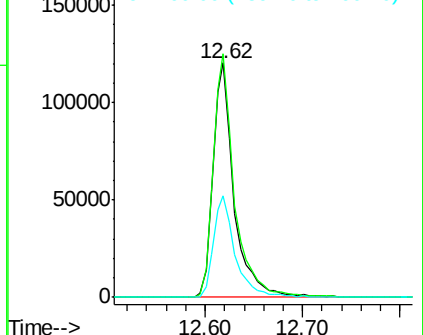
160 43.1 36.2 54.2



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: 127.80 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF095225.D

Acq: 18 May 2017 16:37

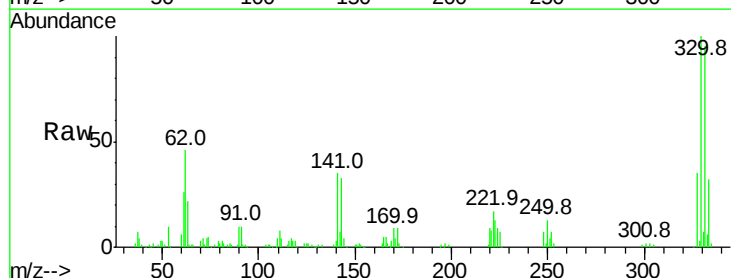
Tgt Ion:330 Resp: 187033

Ion Ratio Lower Upper

330 100

332 99.2 76.6 115.0

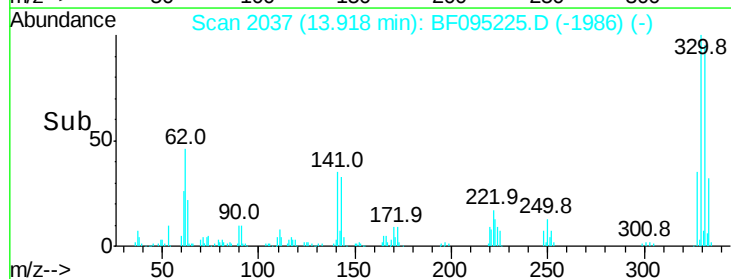
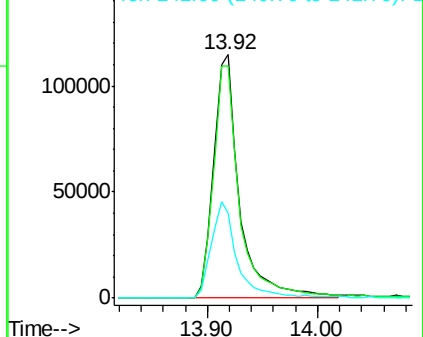
141 39.7 31.4 47.2



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

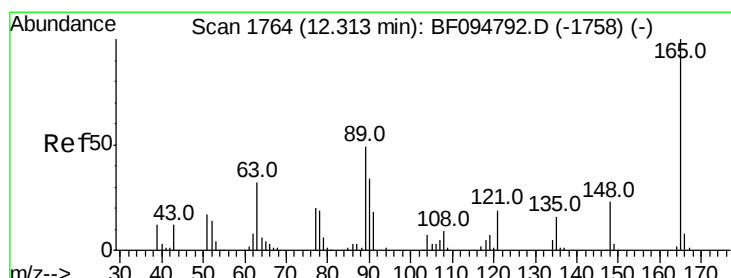
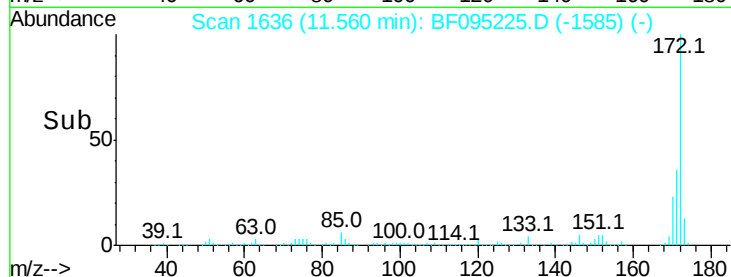
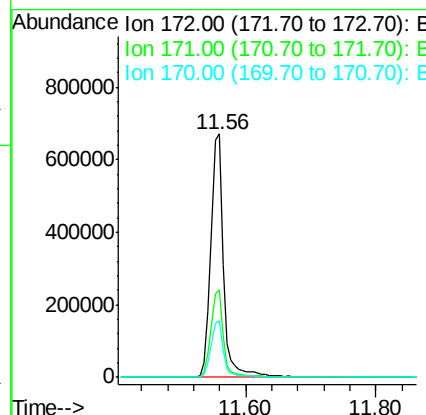
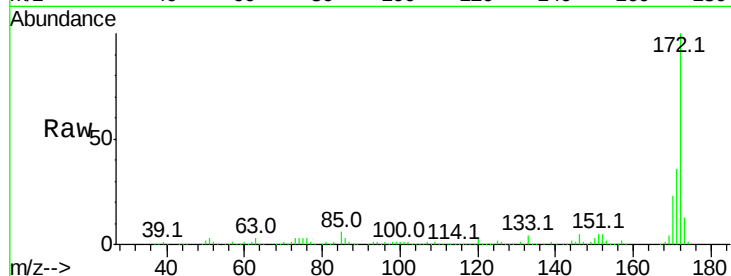




#44  
 2-Fluorobiphenyl  
 Concen: 74.27 ng  
 RT: 11.56 min Scan# 1636  
 Delta R.T. 0.00 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

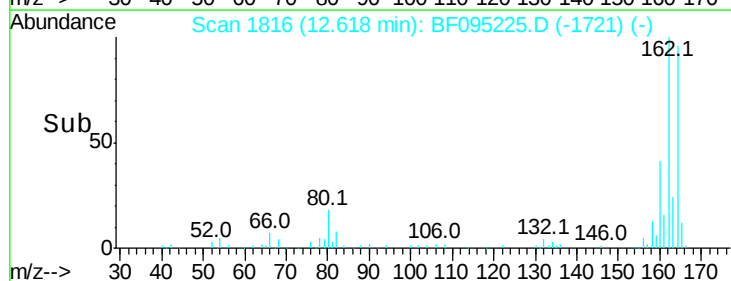
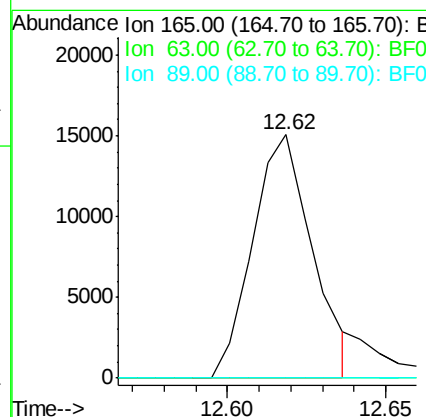
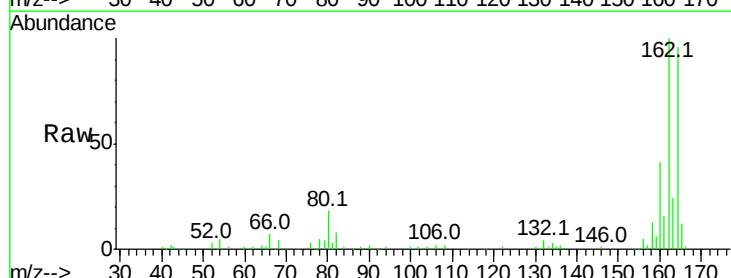
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:172 Resp: 922151  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.6 44.4  
 170 23.4 19.8 29.8



#50  
 2,6-Dinitrotoluene  
 Concen: 6.58 ng  
 RT: 12.62 min Scan# 1816  
 Delta R.T. 0.26 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

Tgt Ion:165 Resp: 19688  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 34.3 51.5#  
 89 0.0 37.1 55.7#

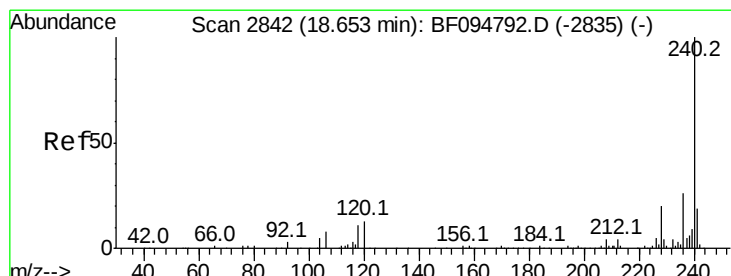
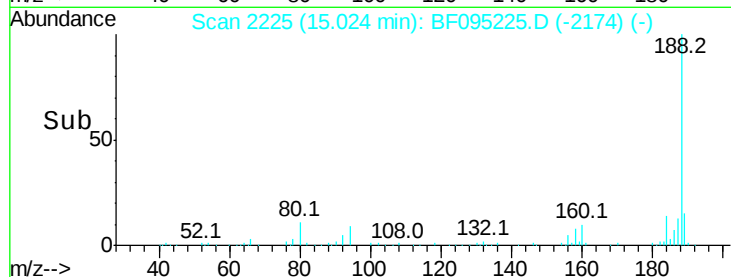
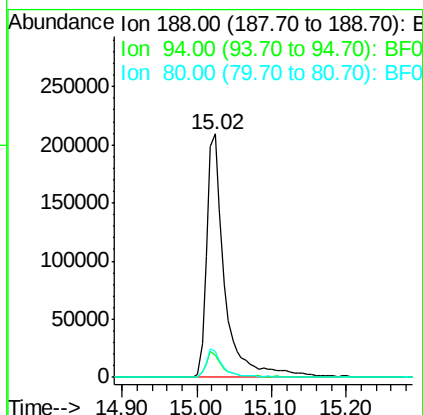
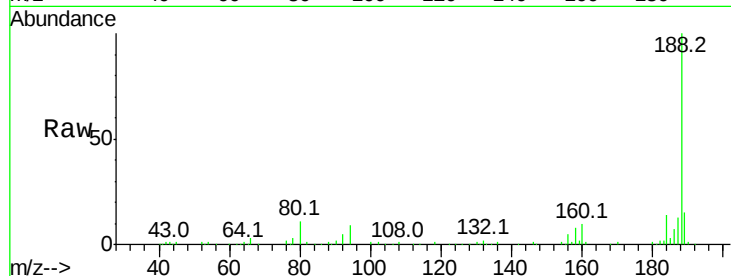




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2225  
 Delta R.T. 0.00 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

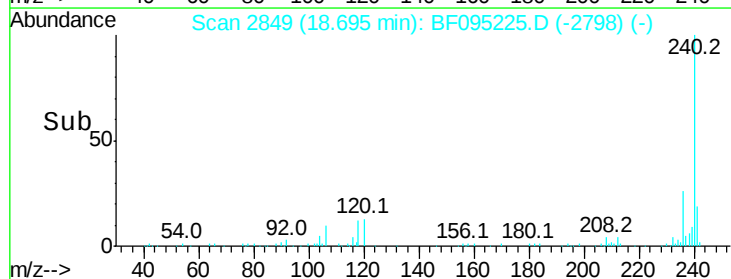
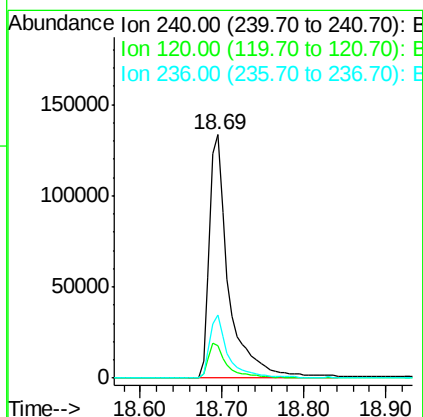
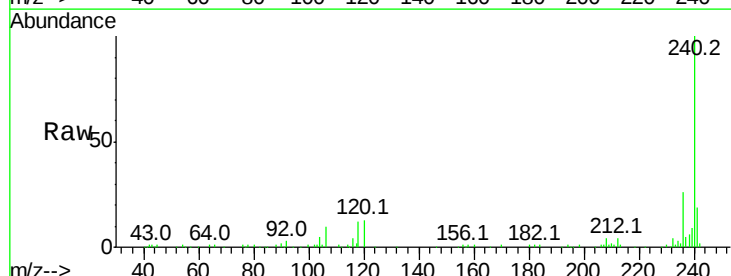
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 352537  
 Ion Ratio Lower Upper  
 188 100  
 94 9.2 9.4 14.2#  
 80 10.6 10.2 15.2



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.69 min Scan# 2849  
 Delta R.T. 0.00 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

Tgt Ion:240 Resp: 221981  
 Ion Ratio Lower Upper  
 240 100  
 120 13.4 5.8 8.8#  
 236 26.1 20.5 30.7

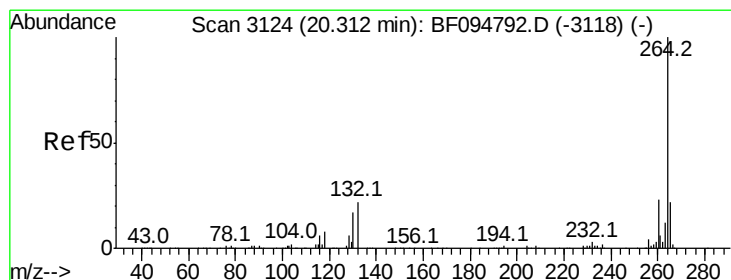
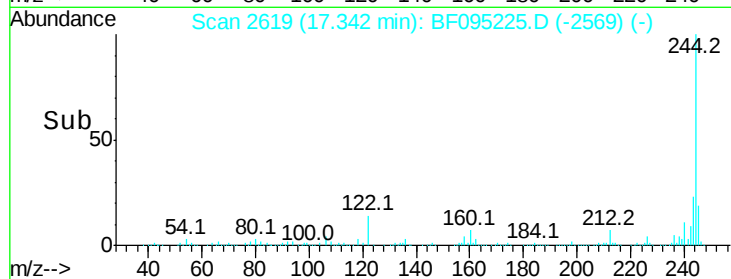
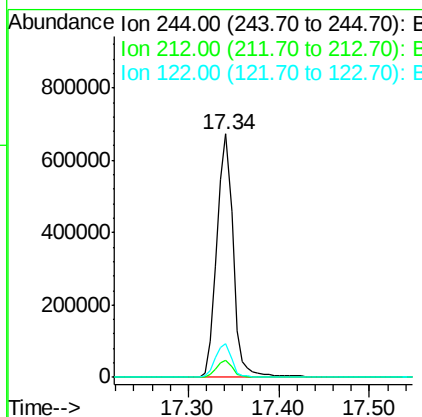
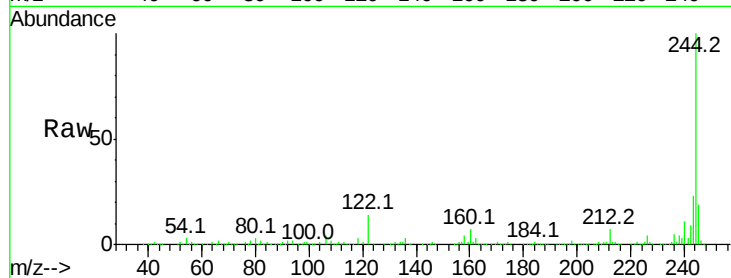




#78  
 Terphenyl-d14  
 Concen: 83.10 ng  
 RT: 17.34 min Scan# 2619  
 Delta R.T. -0.01 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 837502  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 13.8 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.37 min Scan# 3134  
 Delta R.T. 0.01 min  
 Lab File: BF095225.D  
 Acq: 18 May 2017 16:37

Tgt Ion:264 Resp: 158724  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 22.5 17.2 25.8

