

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\  
 Data File : BF095193.D  
 Acq On : 17 May 2017 19:34  
 Operator : SJ/MA  
 Sample : I3186-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 18 04:09:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

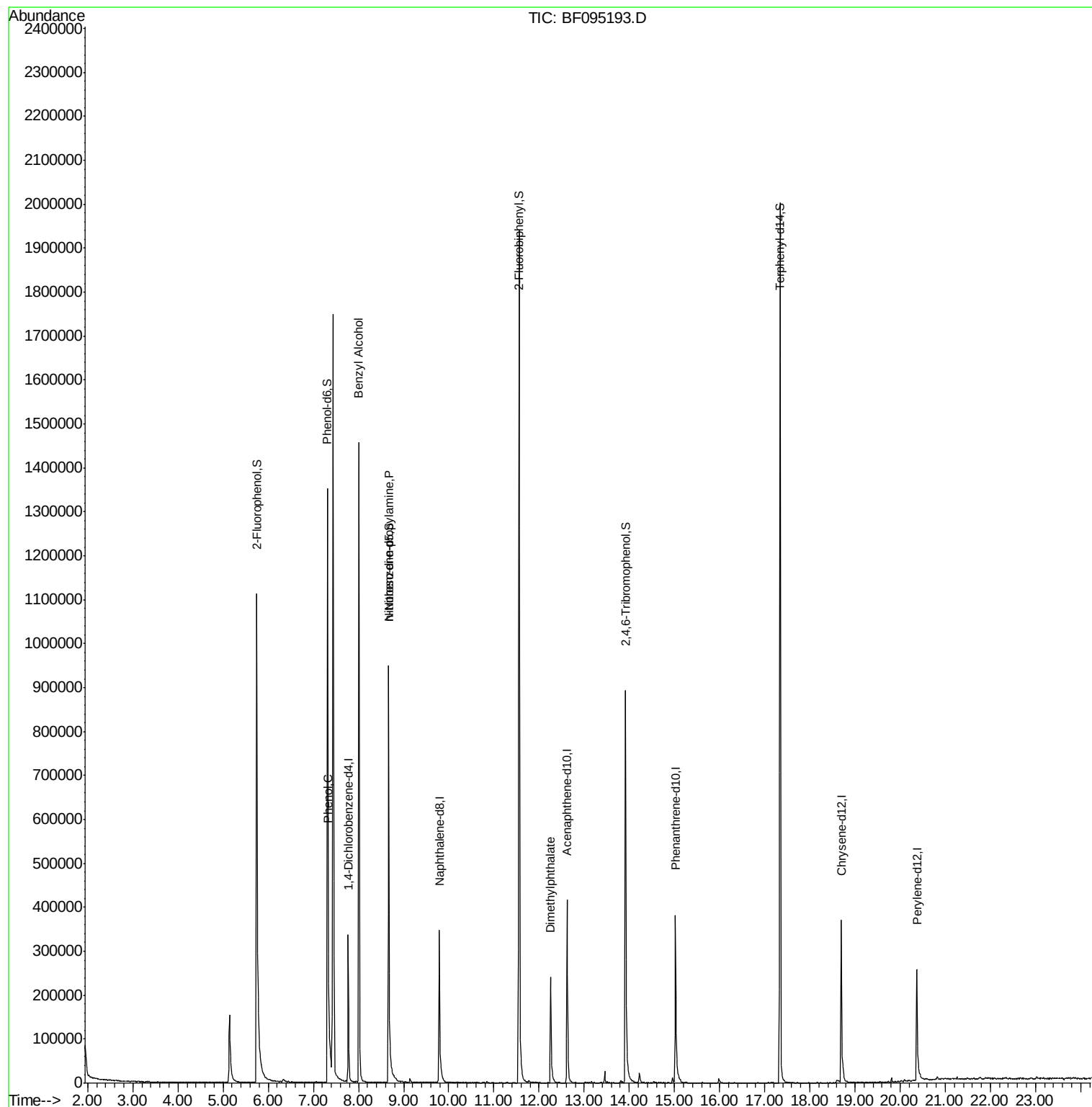
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.77  | 152  | 76453    | 20.00  | ng    | 0.04     |
| 21) Naphthalene-d8             | 9.79  | 136  | 302746   | 20.00  | ng    | 0.04     |
| 38) Acenaphthene-d10           | 12.62 | 164  | 142730   | 20.00  | ng    | 0.04     |
| 63) Phenanthrene-d10           | 15.02 | 188  | 264105   | 20.00  | ng    | 0.04     |
| 75) Chrysene-d12               | 18.69 | 240  | 225234   | 20.00  | ng    | 0.04     |
| 86) Perylene-d12               | 20.37 | 264  | 172936   | 20.00  | ng    | 0.06     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.74  | 112  | 699467   | 152.53 | ng    | 0.06     |
| 7) Phenol-d6                   | 7.31  | 99   | 867421   | 157.65 | ng    | 0.04     |
| 23) Nitrobenzene-d5            | 8.67  | 82   | 499128   | 103.96 | ng    | 0.04     |
| 41) 2,4,6-Tribromophenol       | 13.92 | 330  | 187665   | 160.55 | ng    | 0.04     |
| 44) 2-Fluorobiphenyl           | 11.56 | 172  | 937842   | 94.58  | ng    | 0.03     |
| 78) Terphenyl-d14              | 17.34 | 244  | 809844   | 79.19  | ng    | 0.03     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.33  | 94   | 18826    | 3.25   | ng    | # 69     |
| 15) Benzyl Alcohol             | 8.01  | 79   | 7785     | 2.20   | ng    | # 52     |
| 19) n-Nitroso-di-n-propylamine | 8.67  | 70   | 61260    | 16.46  | ng    | # 74     |
| 49) Dimethylphthalate          | 12.25 | 163  | 202156   | 17.25  | ng    | 100      |

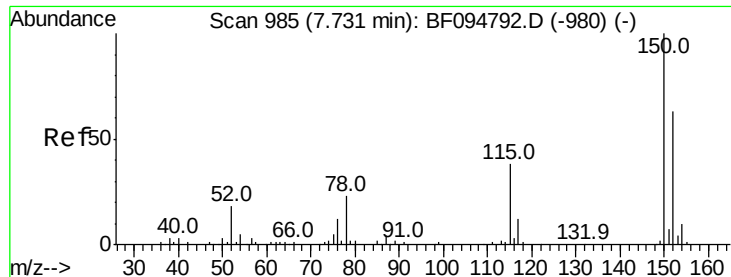
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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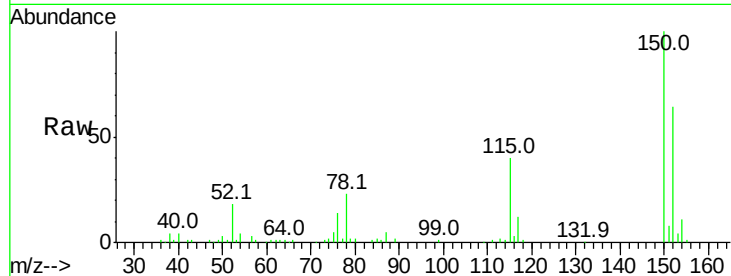


#1

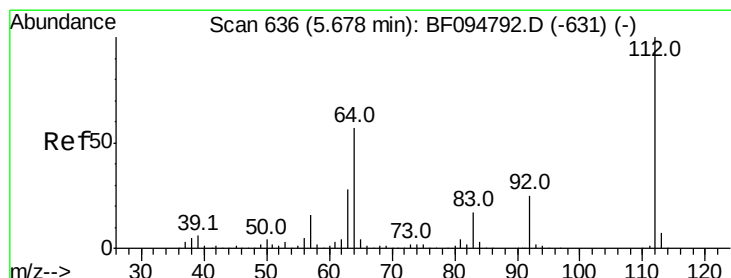
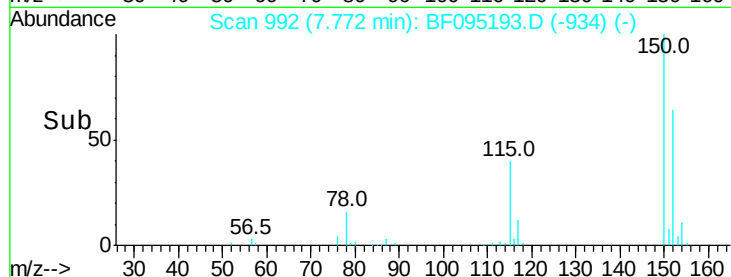
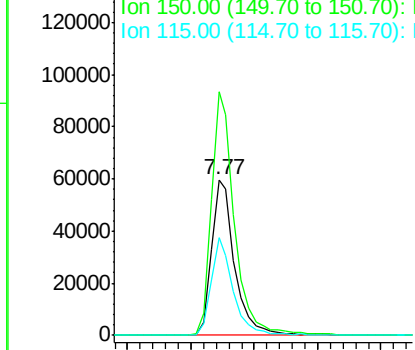
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 992  
Delta R.T. 0.04 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 76453  
Ion Ratio Lower Upper  
152 100  
150 156.2 126.2 189.2  
115 62.8 52.2 78.2



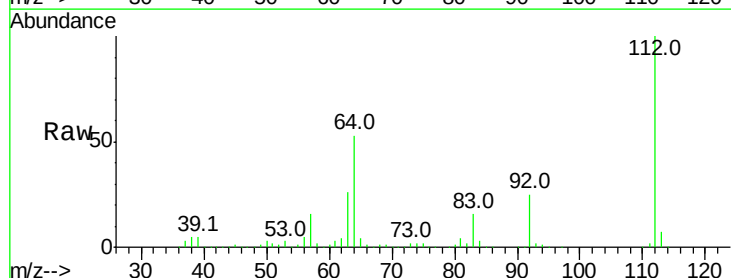
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



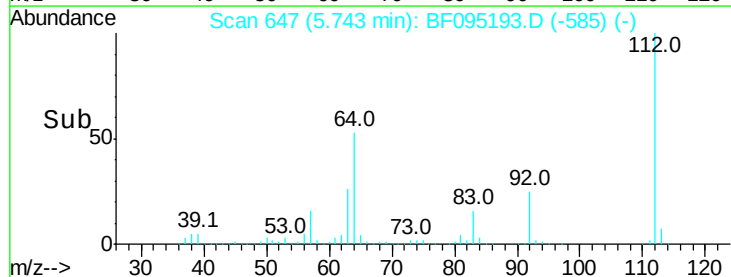
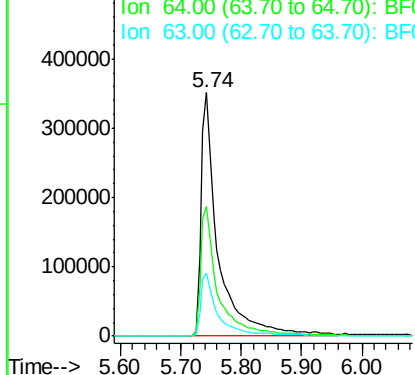
#5

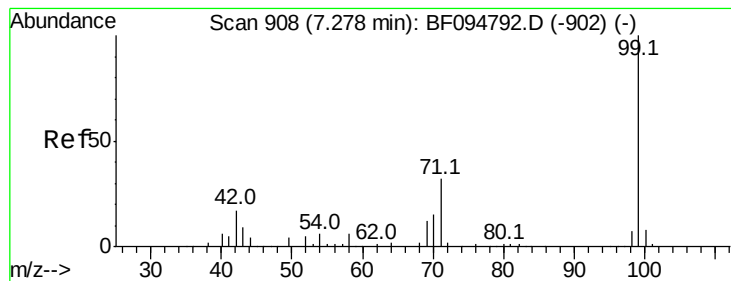
2-Fluorophenol  
Concen: 152.53 ng  
RT: 5.74 min Scan# 647  
Delta R.T. 0.06 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

Tgt Ion:112 Resp: 699467  
Ion Ratio Lower Upper  
112 100  
64 53.2 46.0 69.0  
63 25.9 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: 157.65 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

Instrument :  
BNA\_F  
ClientSampled :

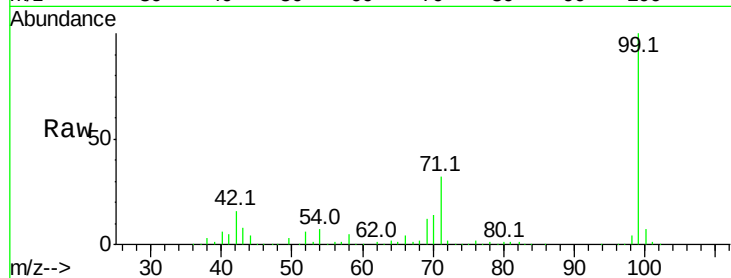
Tot Ion: 99 Resp: 867421

Ion Ratio Lower Upper

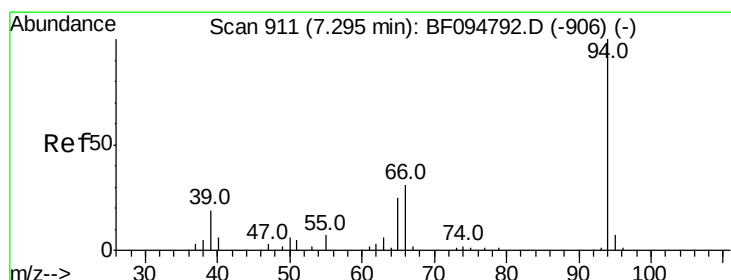
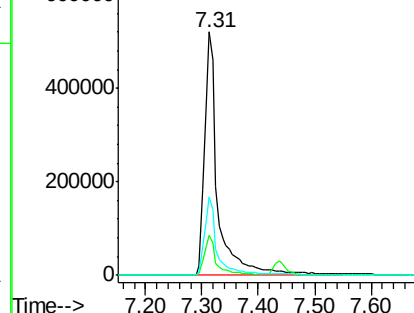
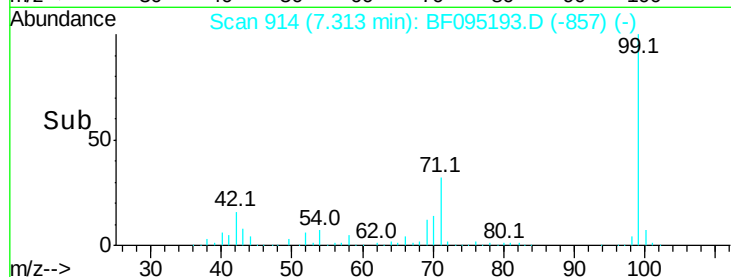
99 100

42 16.3 13.5 20.3

71 32.2 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



#10

Phenol

Concen: 3.25 ng

RT: 7.33 min Scan# 917

Delta R.T. 0.04 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

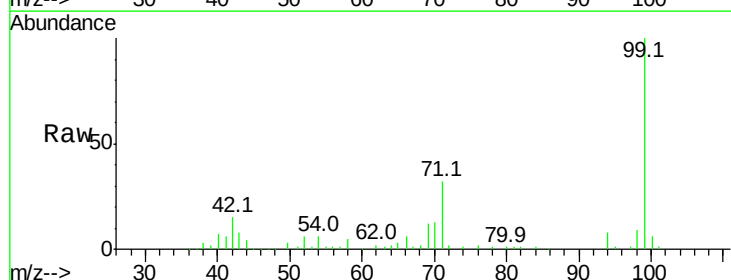
Tgt Ion: 94 Resp: 18826

Ion Ratio Lower Upper

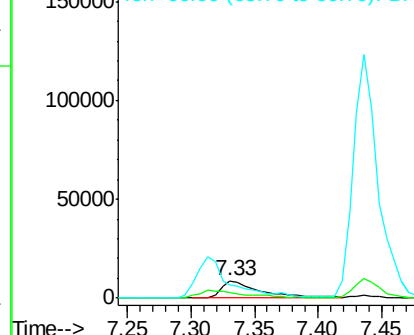
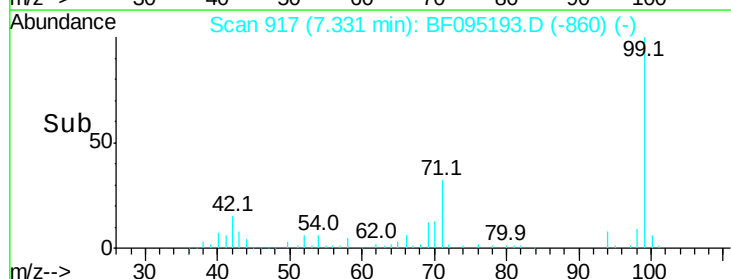
94 100

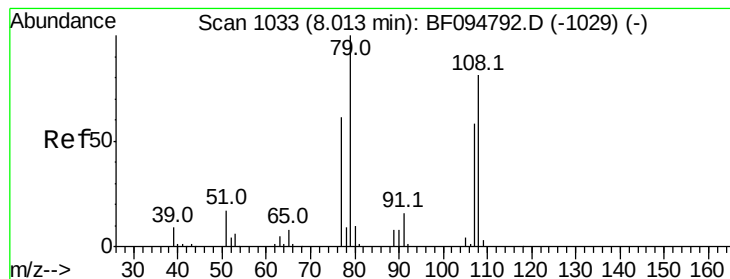
65 33.5 9.9 49.9

66 74.1 23.1 63.1#



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





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 8.01 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

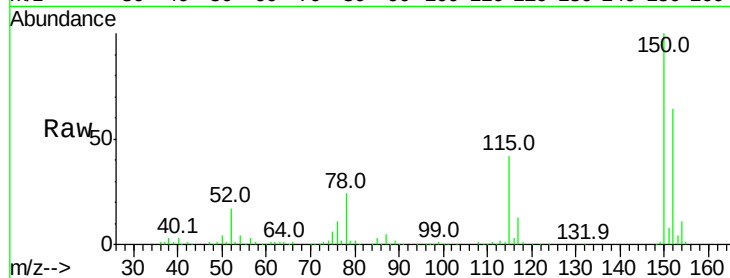
Tot Ion: 79 Resp: 7785

Ion Ratio Lower Upper

79 100

108 28.7 63.4 95.0#

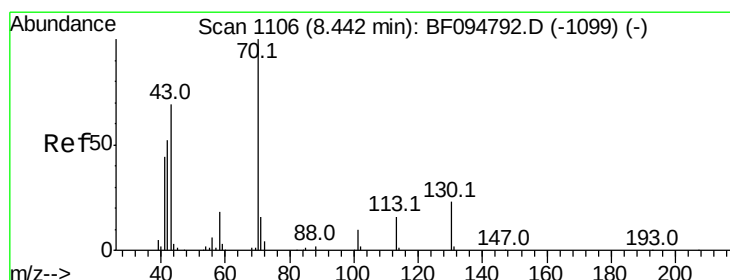
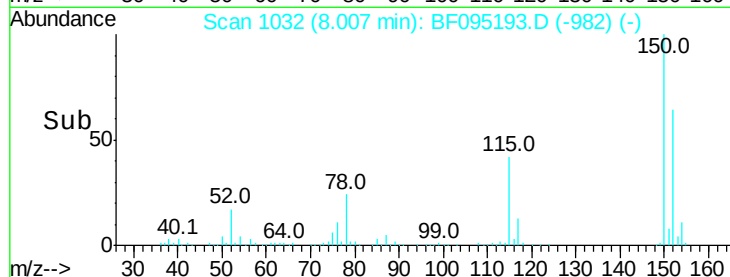
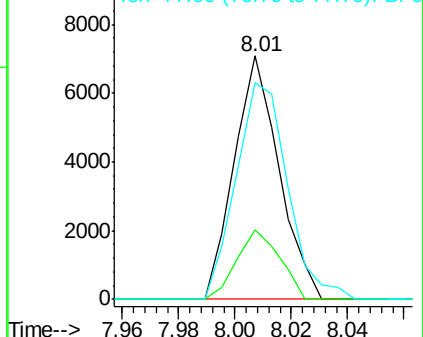
77 89.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.46 ng

RT: 8.67 min Scan# 1145

Delta R.T. 0.23 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

Tgt Ion: 70 Resp: 61260

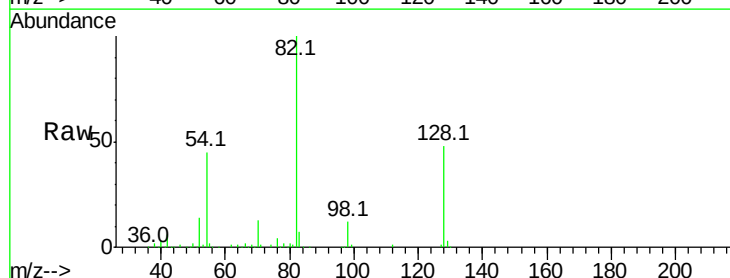
Ion Ratio Lower Upper

70 100

42 42.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

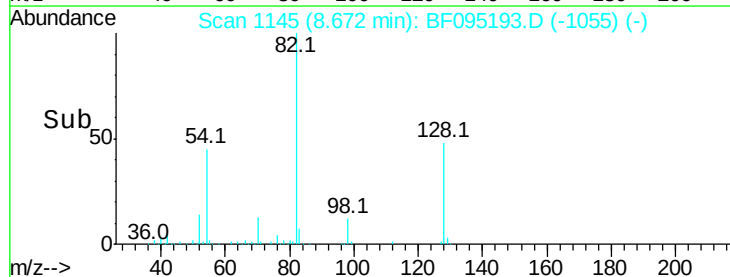
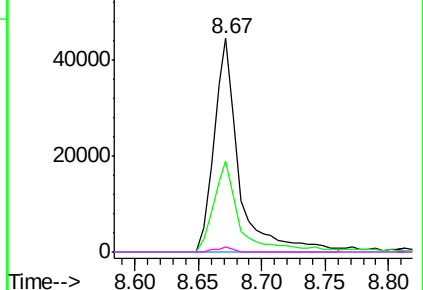


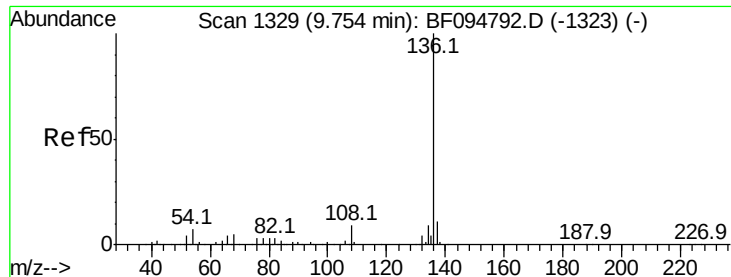
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

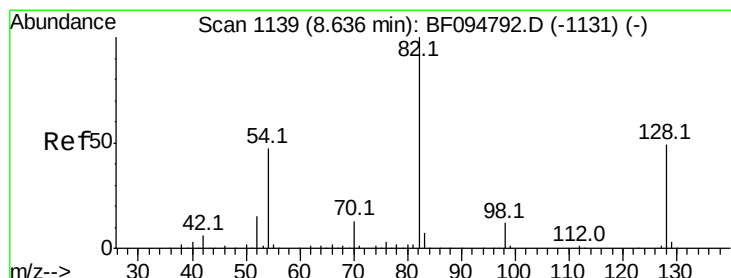
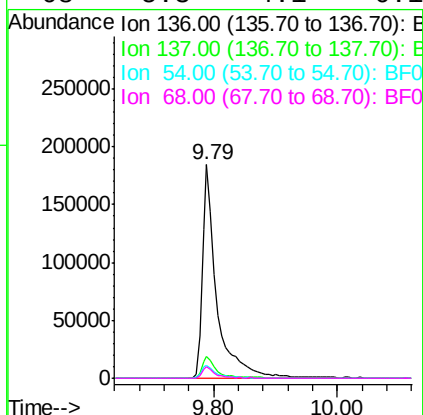
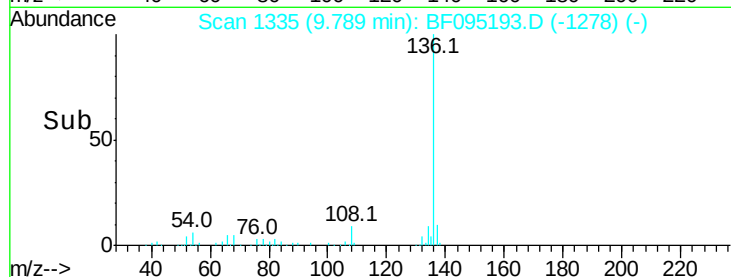
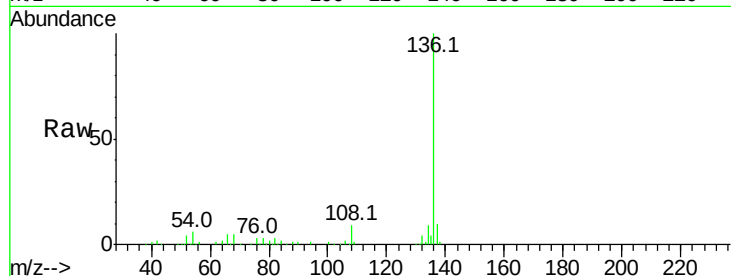




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.79 min Scan# 1335  
Delta R.T. 0.04 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

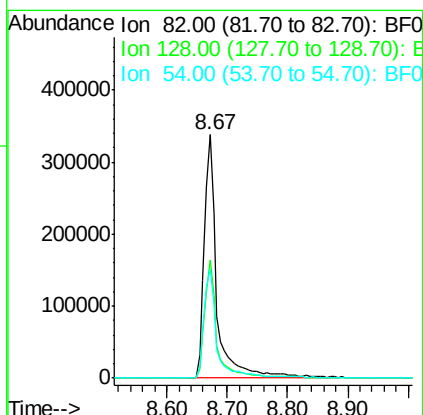
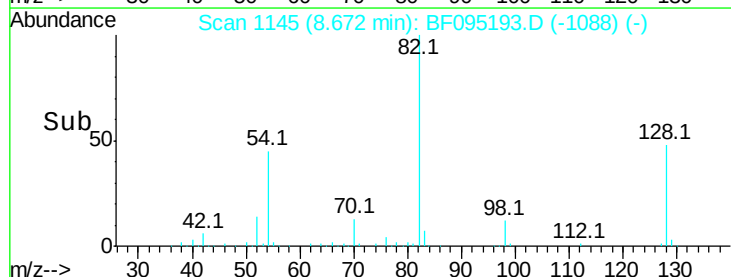
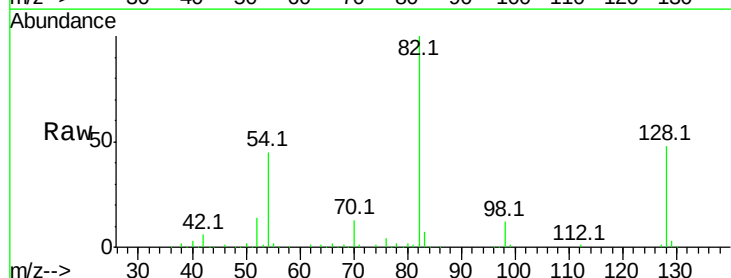
Instrument :  
BNA\_F  
ClientSampleId :

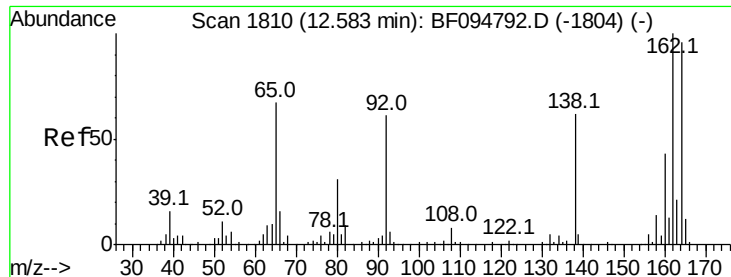
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 302746   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.4  | 8.5 12.7 |
| 54          | 6.2   | 4.9 7.3  |
| 68          | 5.3   | 4.1 6.1  |



#23  
Nitrobenzene-d5  
Concen: 103.96 ng  
RT: 8.67 min Scan# 1145  
Delta R.T. 0.04 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 499128    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 48.3  | 34.0 51.0 |
| 54          | 45.1  | 42.2 63.2 |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

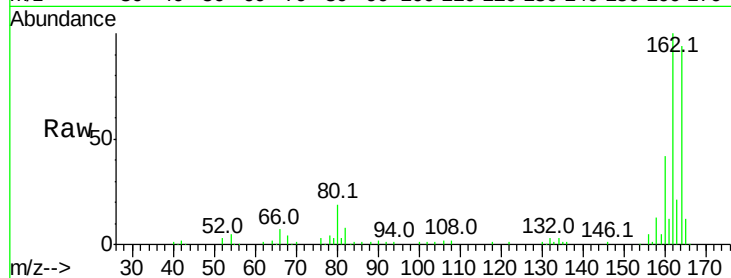
Tot Ion:164 Resp: 142730

Ion Ratio Lower Upper

164 100

162 106.1 82.6 123.8

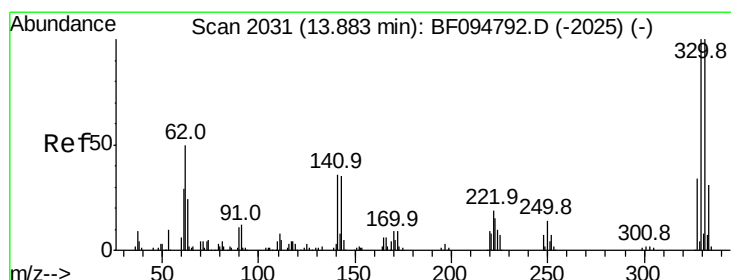
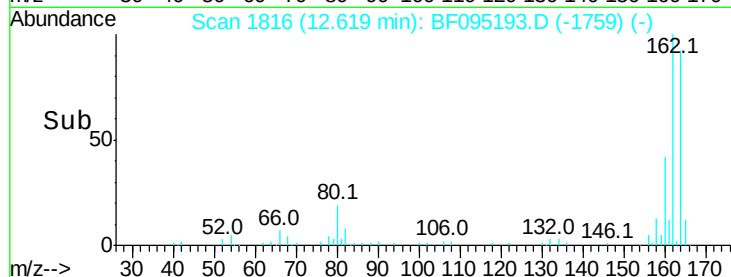
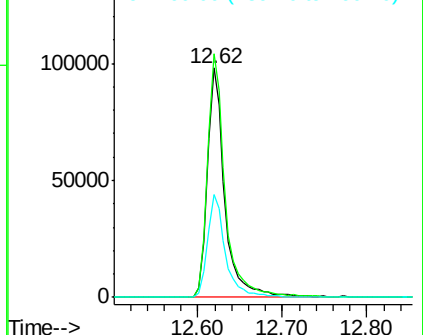
160 44.6 36.2 54.2



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: 160.55 ng

RT: 13.92 min Scan# 2037

Delta R.T. 0.04 min

Lab File: BF095193.D

Acq: 17 May 2017 19:34

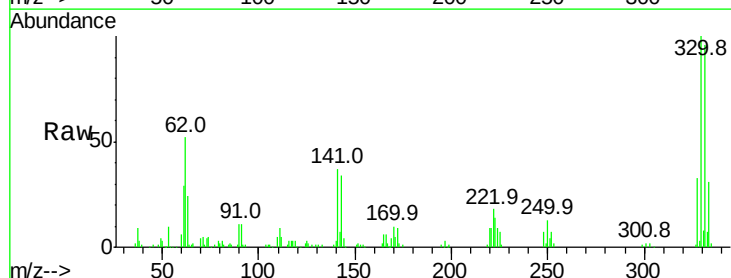
Tgt Ion:330 Resp: 187665

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

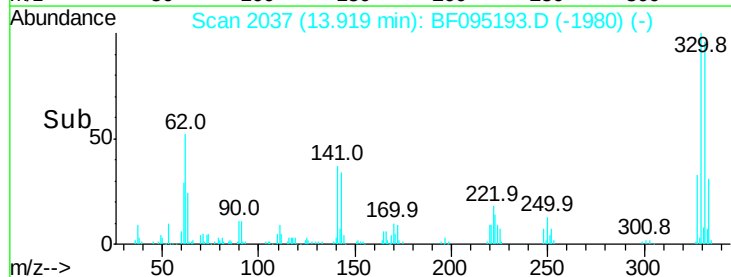
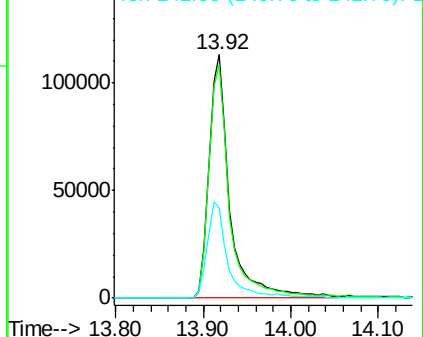
141 39.1 31.4 47.2

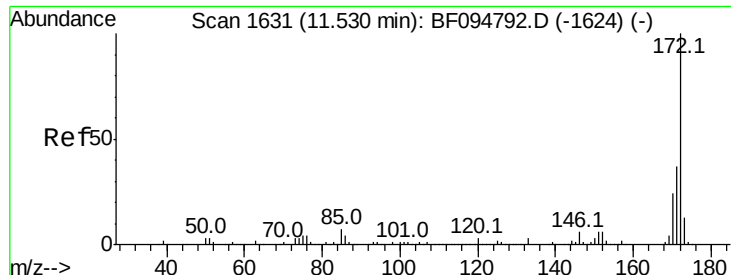


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

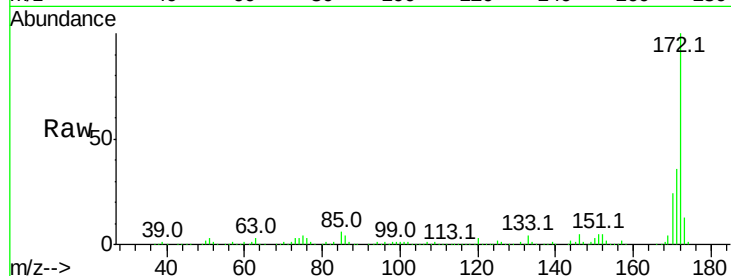




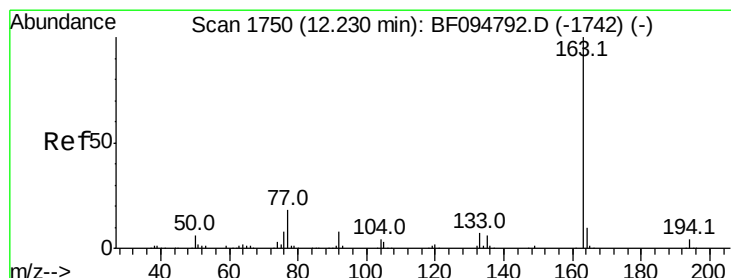
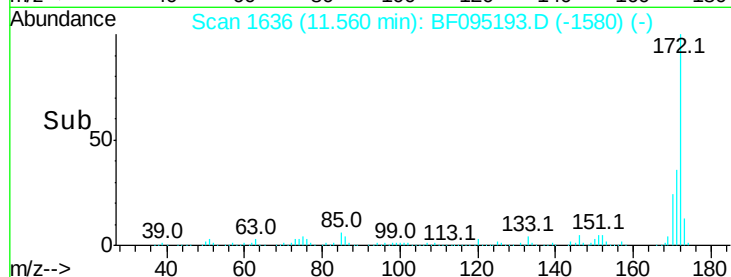
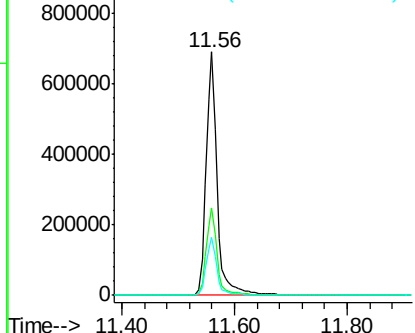
#44  
2-Fluorobiphenyl  
Concen: 94.58 ng  
RT: 11.56 min Scan# 1636  
Delta R.T. 0.03 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 937842  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.6 44.4  
170 23.6 19.8 29.8

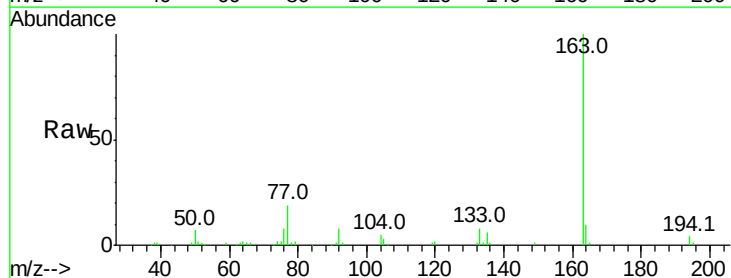


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

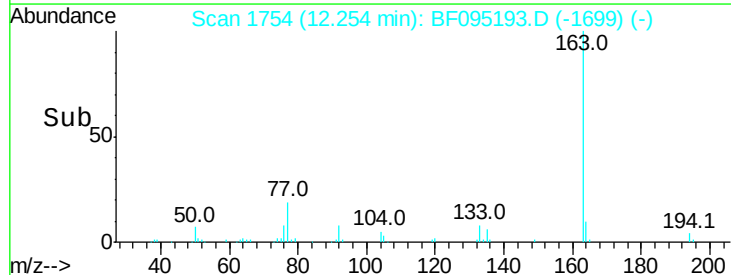
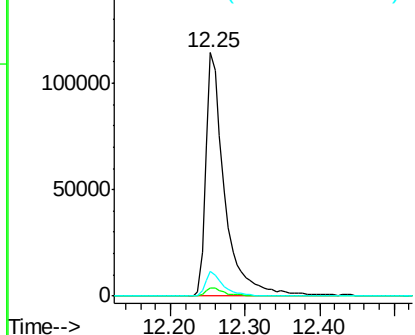


#49  
Dimethylphthalate  
Concen: 17.25 ng  
RT: 12.25 min Scan# 1754  
Delta R.T. 0.02 min  
Lab File: BF095193.D  
Acq: 17 May 2017 19:34

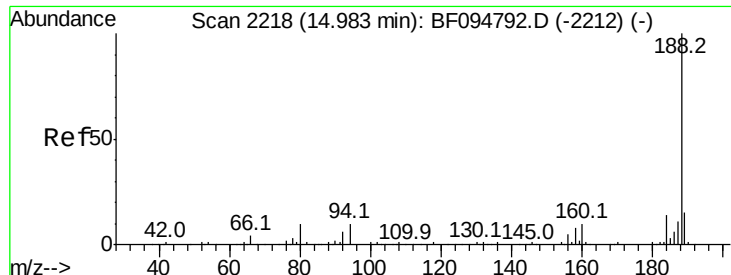
Tgt Ion:163 Resp: 202156  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.6 4.0  
164 10.4 8.4 12.6



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



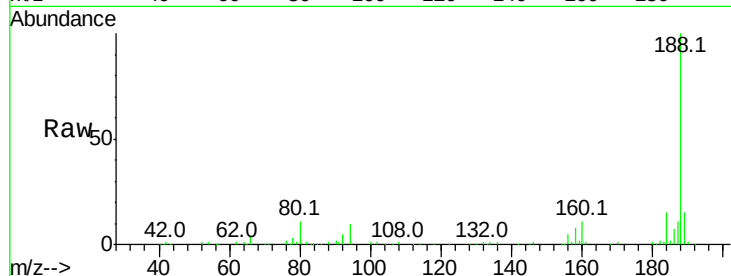




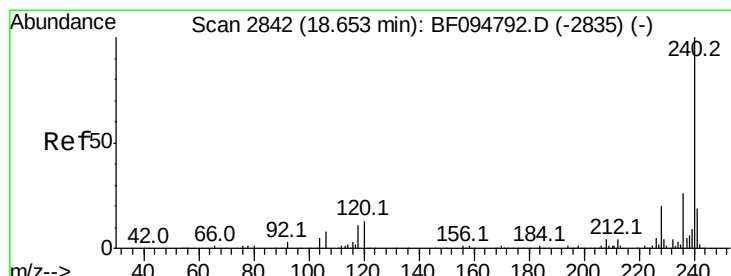
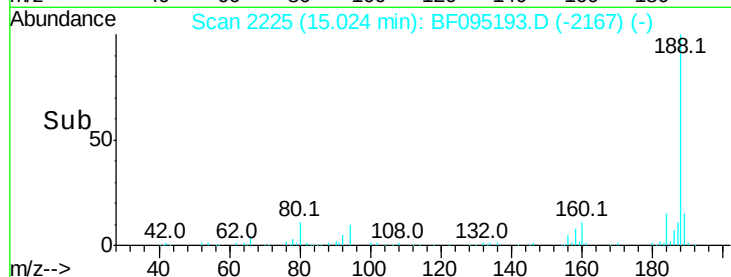
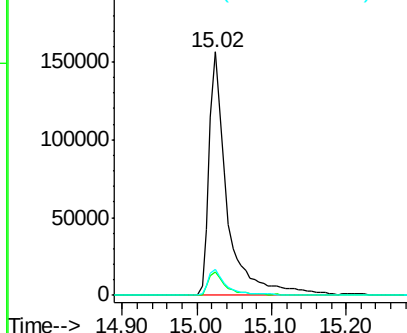
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 15.02 min Scan# 2225  
 Delta R.T. 0.04 min  
 Lab File: BF095193.D  
 Acq: 17 May 2017 19:34

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 264105  
 Ion Ratio Lower Upper  
 188 100  
 94 9.8 9.4 14.2  
 80 10.6 10.2 15.2

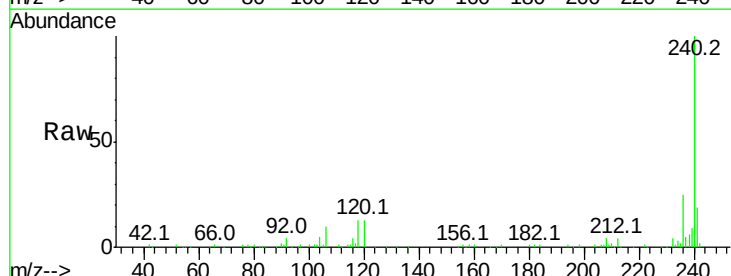


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

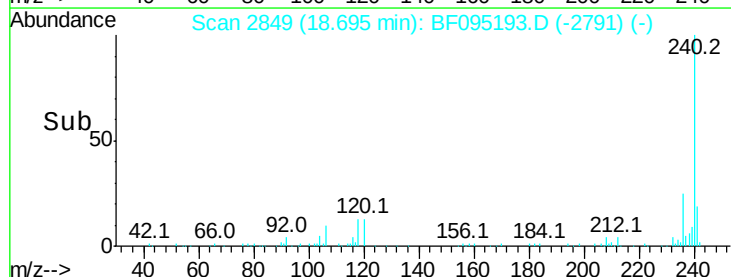
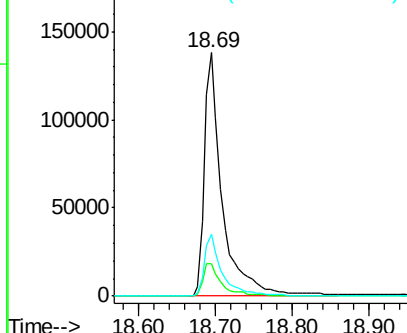


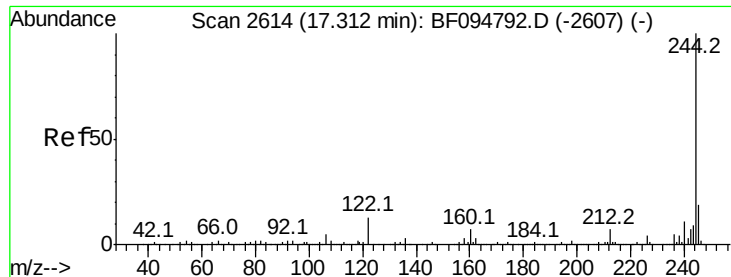
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 18.69 min Scan# 2849  
 Delta R.T. 0.04 min  
 Lab File: BF095193.D  
 Acq: 17 May 2017 19:34

Tgt Ion:240 Resp: 225234  
 Ion Ratio Lower Upper  
 240 100  
 120 13.4 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

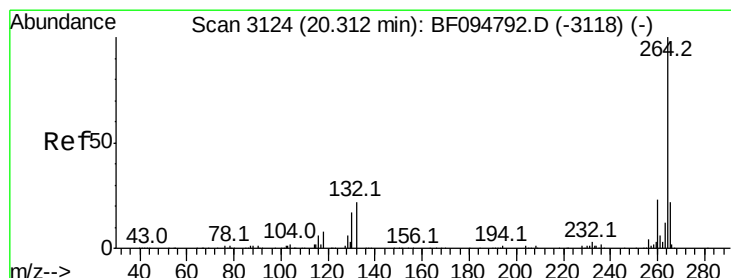
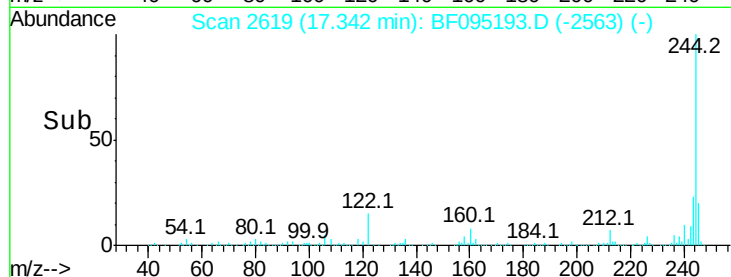
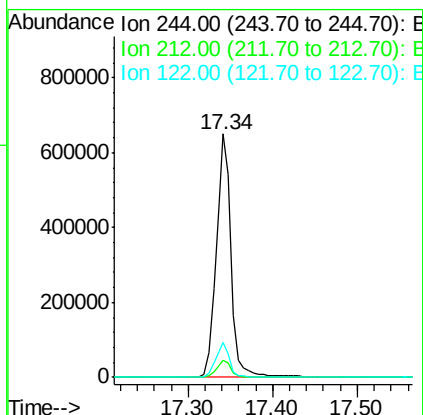
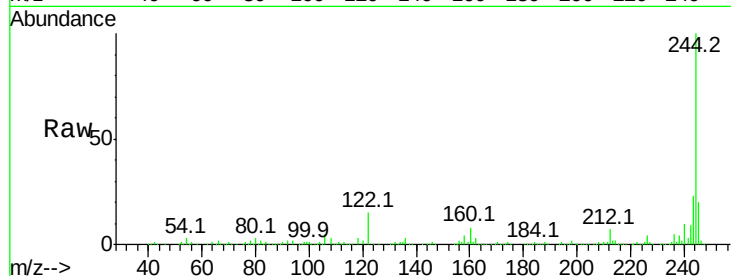




#78  
 Terphenyl-d14  
 Concen: 79.19 ng  
 RT: 17.34 min Scan# 2619  
 Delta R.T. 0.03 min  
 Lab File: BF095193.D  
 Acq: 17 May 2017 19:34

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 809844  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.6 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 20.37 min Scan# 3134  
 Delta R.T. 0.06 min  
 Lab File: BF095193.D  
 Acq: 17 May 2017 19:34

Tgt Ion:264 Resp: 172936  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.5 29.3  
 265 20.7 17.2 25.8

