

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\  
 Data File : BF094282.D  
 Acq On : 7 Apr 2017 19:34  
 Operator : SJ/MA  
 Sample : I2595-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2394

Quant Time: Apr 07 22:59:54 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:20:29 2017  
 Response via : Initial Calibration

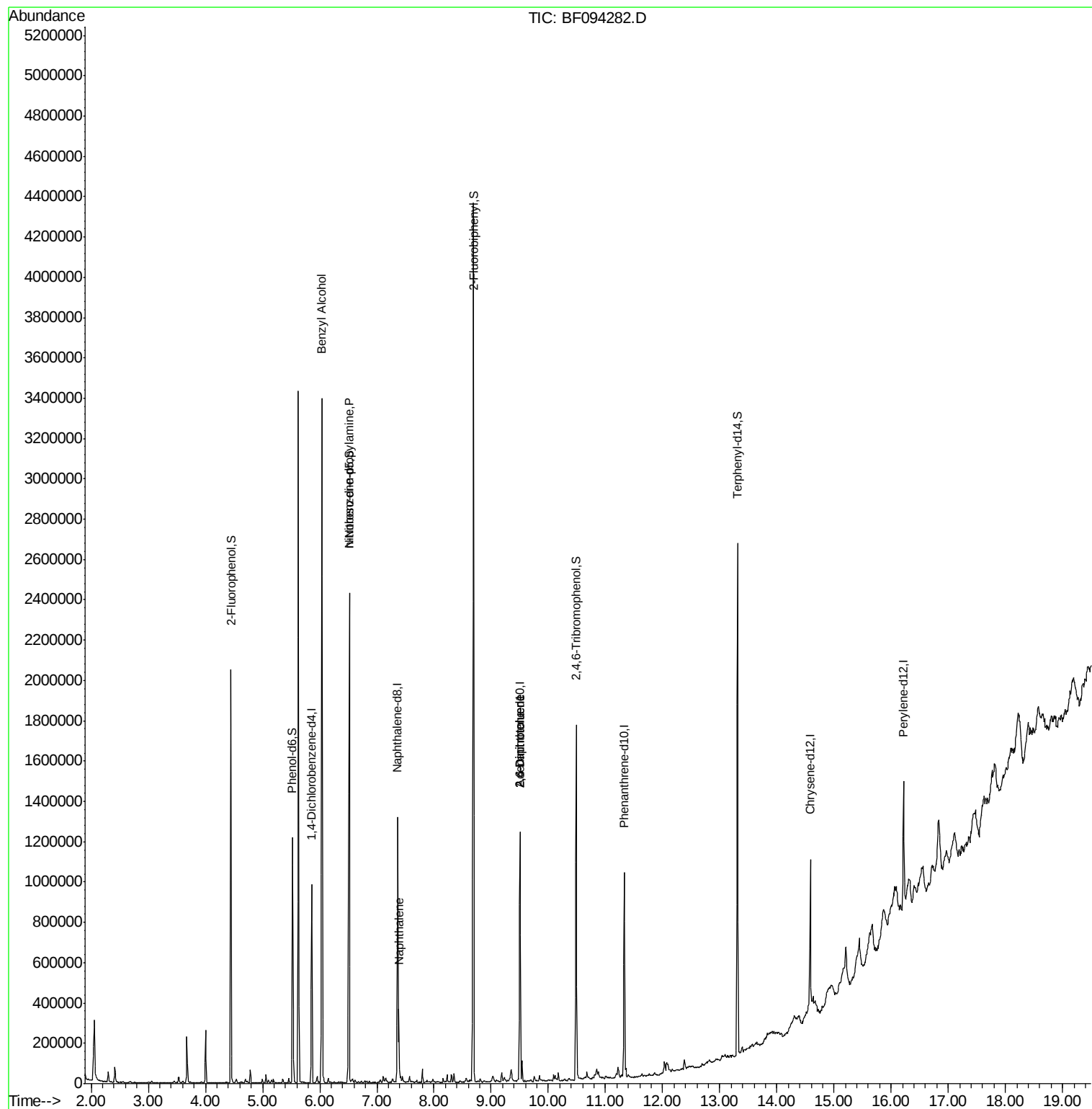
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.86  | 152  | 158451   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.36  | 136  | 607283   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.50  | 164  | 258914   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.33 | 188  | 384428   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.59 | 240  | 294173   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12               | 16.22 | 264  | 264585   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.45  | 112  | 595224   | 63.45  | ng    | 0.06     |
| 7) Phenol-d6                   | 5.52  | 99   | 459469   | 39.59  | ng    | 0.06     |
| 23) Nitrobenzene-d5            | 6.52  | 82   | 964838   | 90.67  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.49 | 330  | 239804   | 117.21 | ng    | 0.02     |
| 44) 2-Fluorobiphenyl           | 8.69  | 172  | 1634772  | 96.30  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.31 | 244  | 952587   | 72.58  | ng    | 0.01     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.04  | 79   | 21522    | 2.53   | ng    | # 56     |
| 19) n-Nitroso-di-n-propylamine | 6.52  | 70   | 128322   | 17.20  | ng    | # 77     |
| 31) Naphthalene                | 7.39  | 128  | 147207   | 5.04   | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.50  | 165  | 33370    | 7.91   | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.50  | 165  | 33370    | 6.30   | ng    | # 33     |

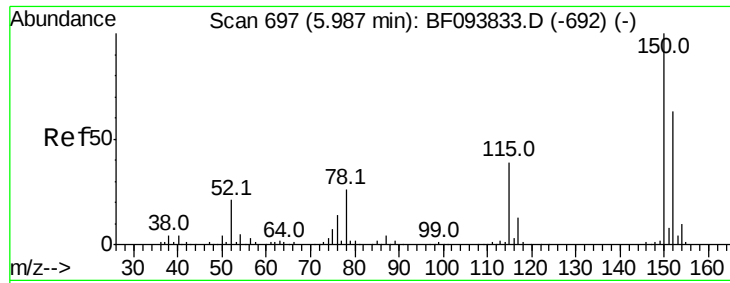
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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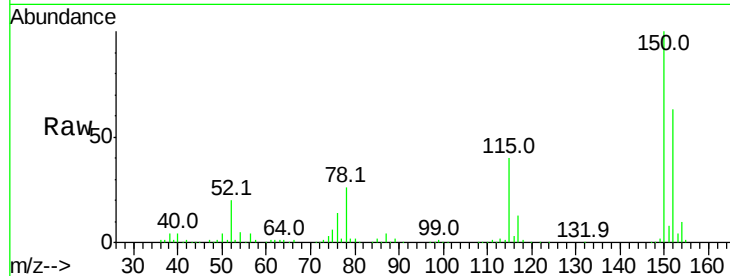


#1

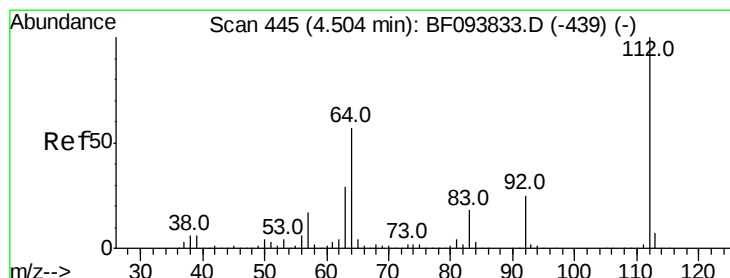
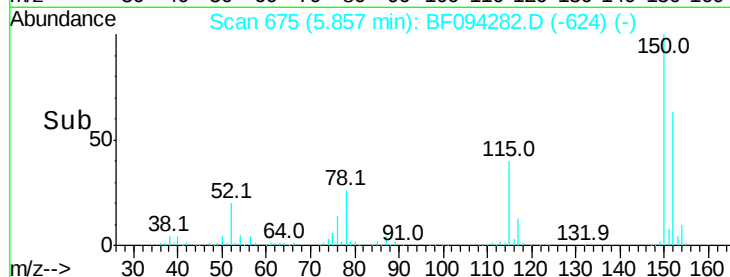
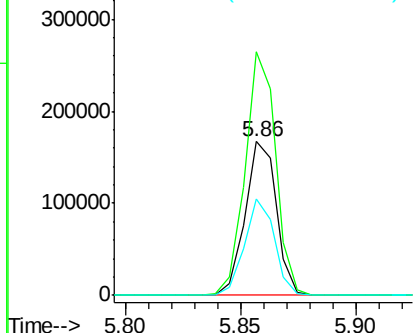
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.86 min Scan# 675  
Delta R.T. -0.00 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

Tot Ion:152 Resp: 158451  
Ion Ratio Lower Upper  
152 100  
150 158.6 126.2 189.2  
115 63.1 52.2 78.2



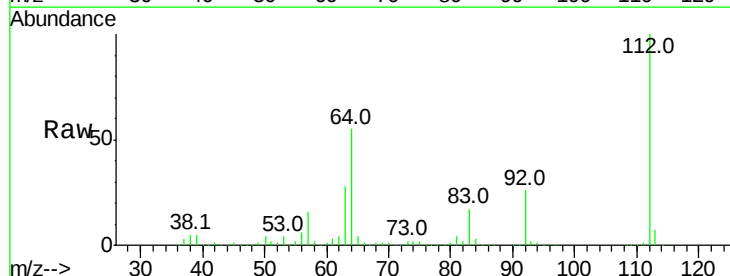
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



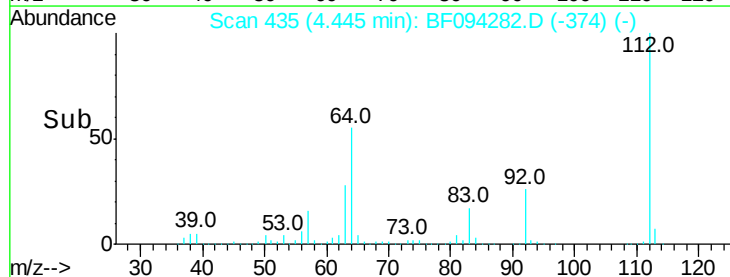
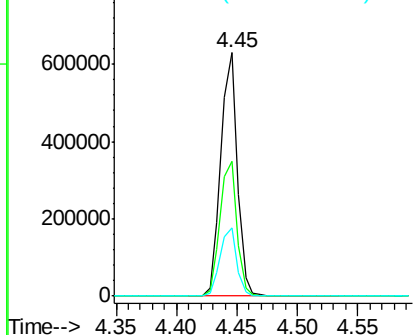
#5

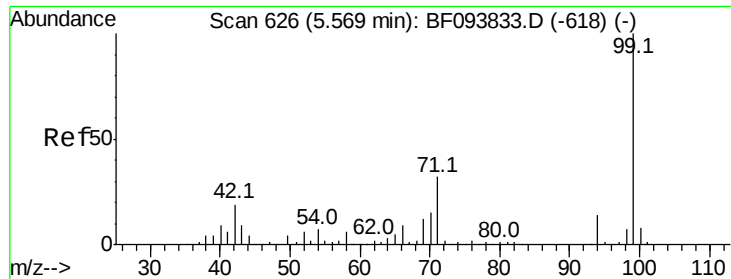
2-Fluorophenol  
Concen: 63.45 ng  
RT: 4.45 min Scan# 435  
Delta R.T. 0.06 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Tgt Ion:112 Resp: 595224  
Ion Ratio Lower Upper  
112 100  
64 55.3 46.0 69.0  
63 28.0 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: 39.59 ng

RT: 5.52 min Scan# 618

Delta R.T. 0.06 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

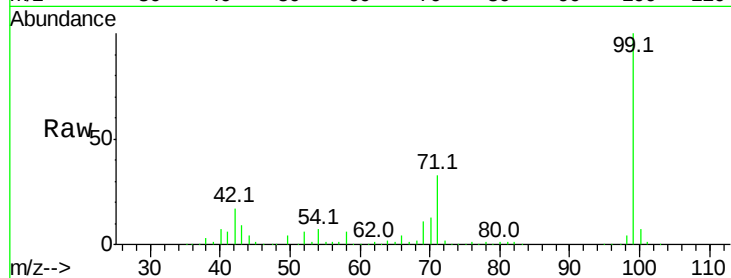
Tot Ion: 99 Resp: 459469

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

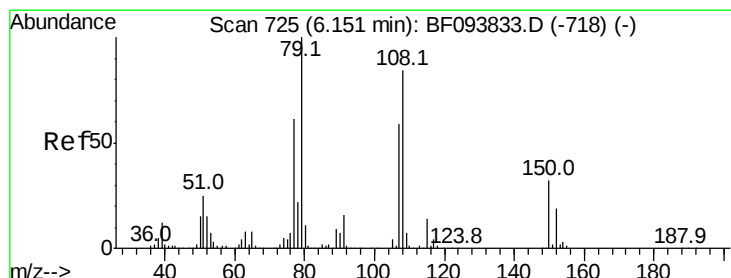
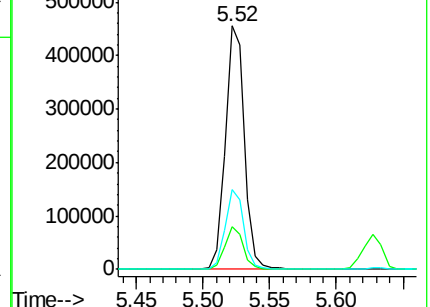
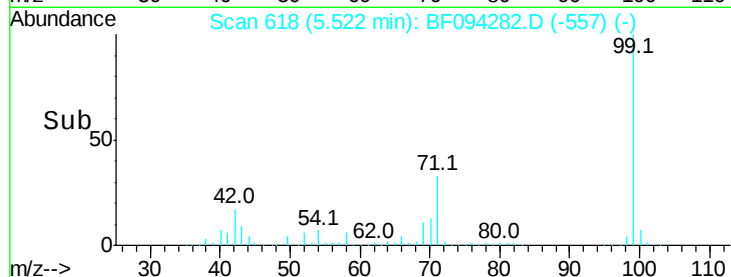
71 33.0 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.53 ng

RT: 6.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

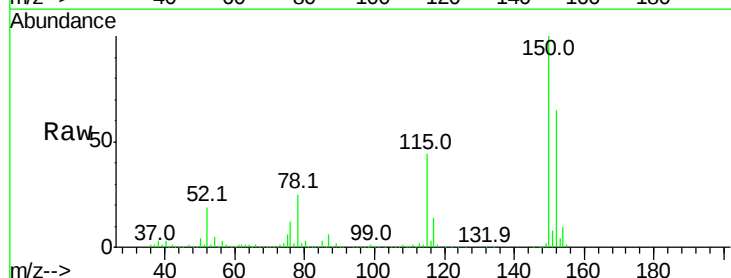
Tgt Ion: 79 Resp: 21522

Ion Ratio Lower Upper

79 100

108 44.1 63.4 95.0#

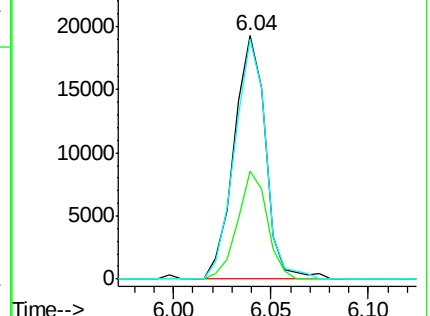
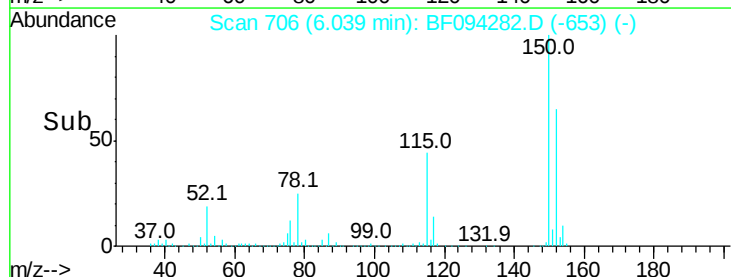
77 98.3 49.2 73.8#

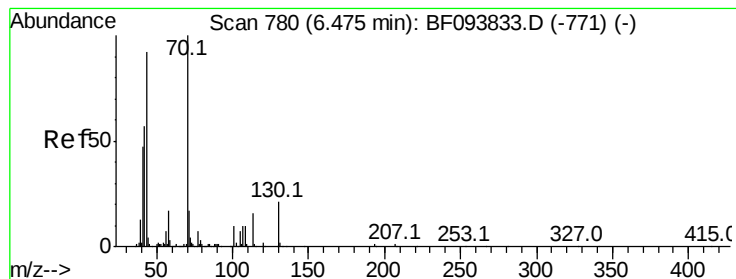


Abundance Ion 79.00 (78.70 to 79.70): BF0

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: 17.20 ng

RT: 6.52 min Scan# 787

Delta R.T. 0.17 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

Tot Ion: 70 Resp: 128322

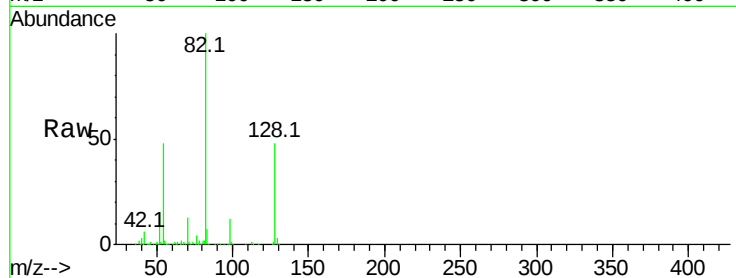
Ion Ratio Lower Upper

70 100

42 45.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

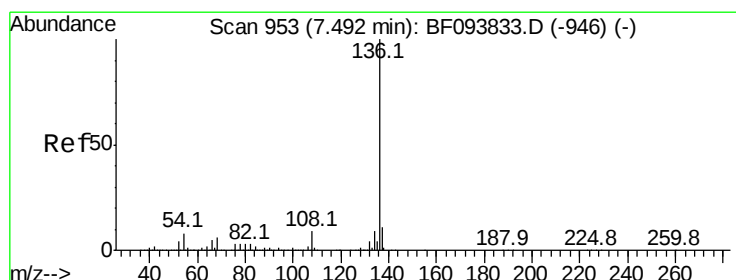
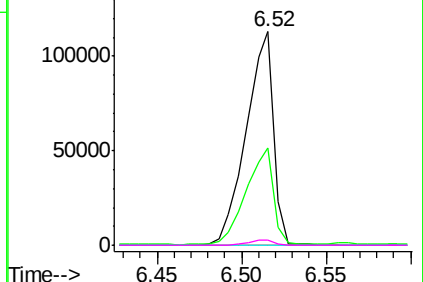
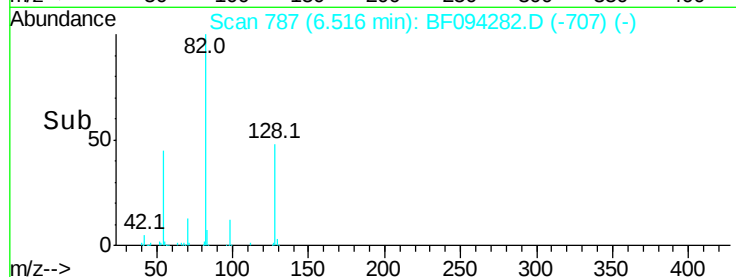


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.36 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Tgt Ion:136 Resp: 607283

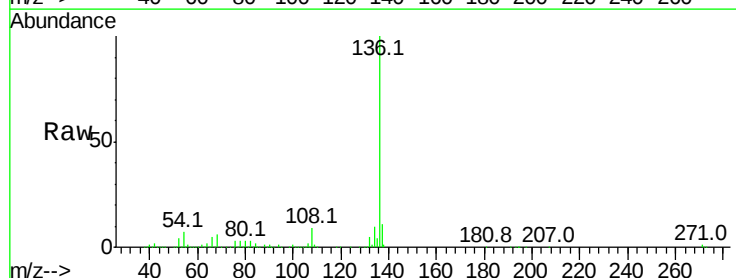
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1

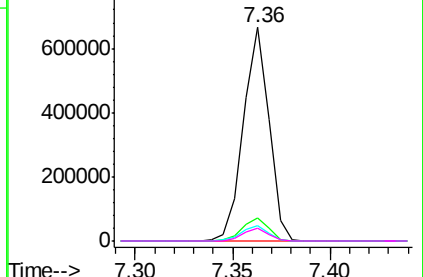
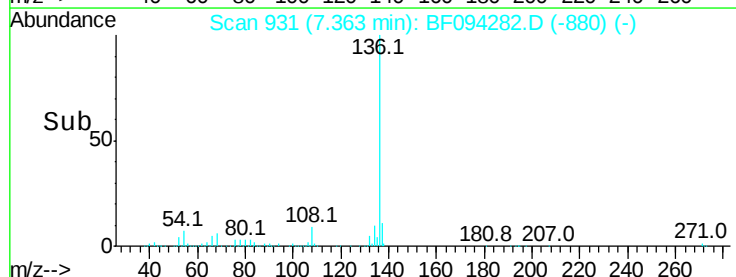


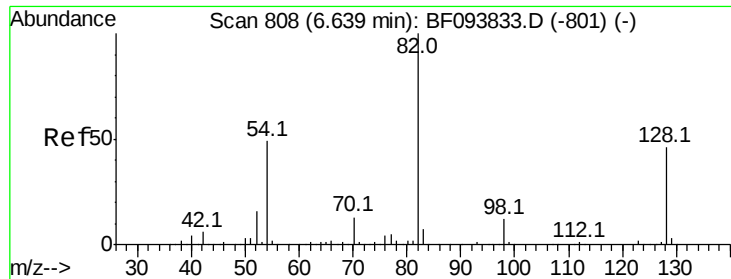
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

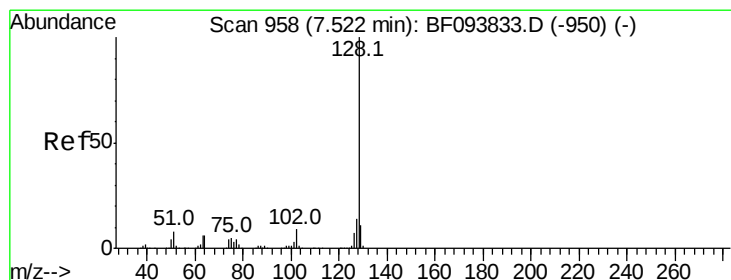
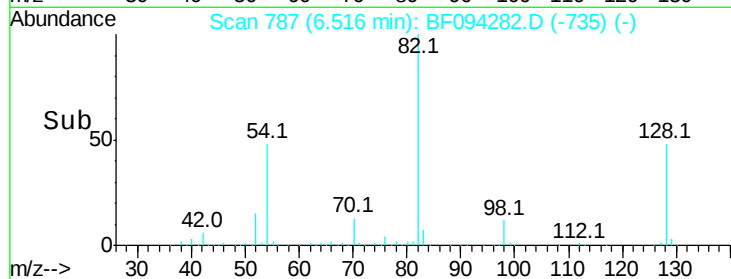
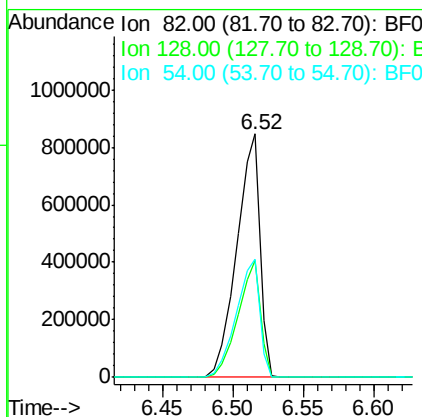
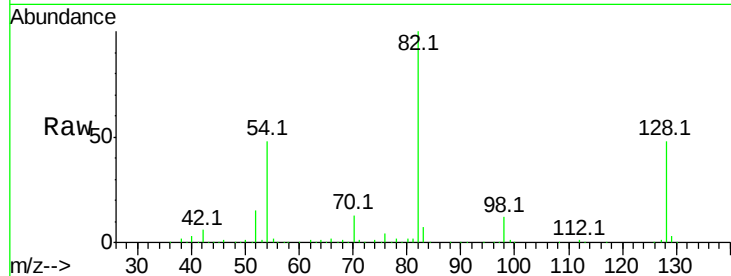




#23  
 Nitrobenzene-d5  
 Concen: 90.67 ng  
 RT: 6.52 min Scan# 787  
 Delta R.T. 0.01 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

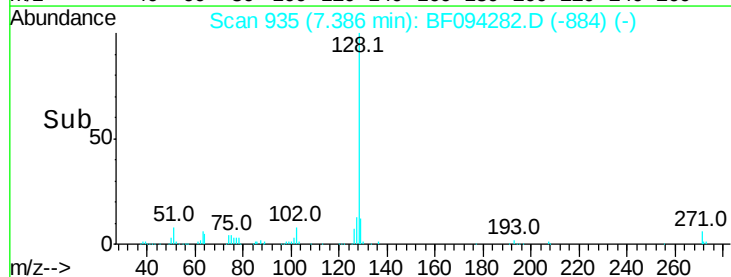
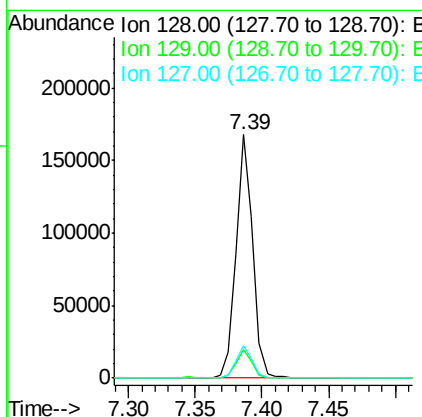
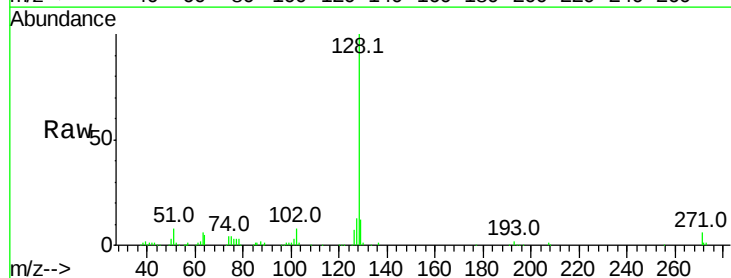
Instrument :  
 BNA\_F  
 ClientSampleId :  
 A2394

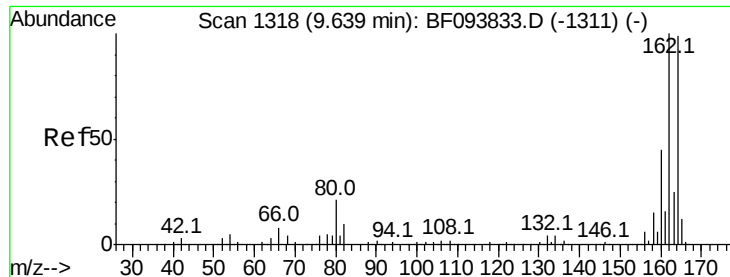
| Tot Ion   | 82    | Resp  | 964838 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.8  | 34.0  | 51.0   |
| 54        | 48.3  | 42.2  | 63.2   |



#31  
 Naphthalene  
 Concen: 5.04 ng  
 RT: 7.39 min Scan# 935  
 Delta R.T. -0.00 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

| Tgt Ion   | 128   | Resp  | 147207 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.6  | 9.0   | 13.6   |
| 127       | 13.3  | 10.8  | 16.2   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

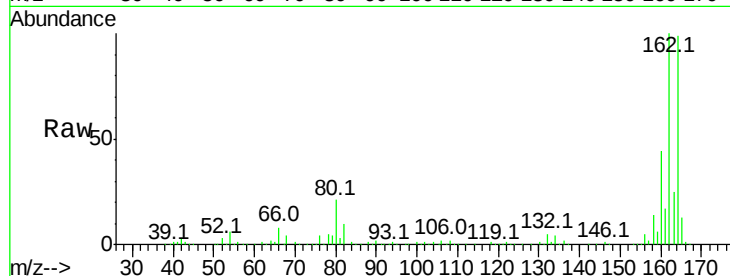
Tot Ion:164 Resp: 258914

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

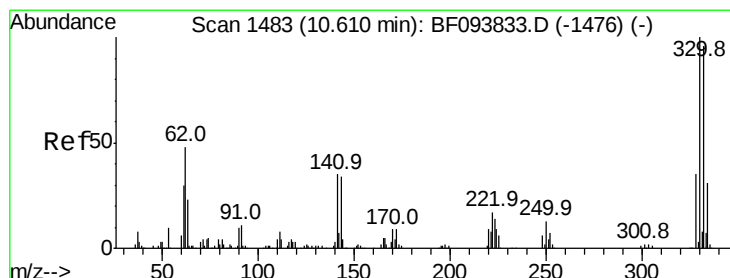
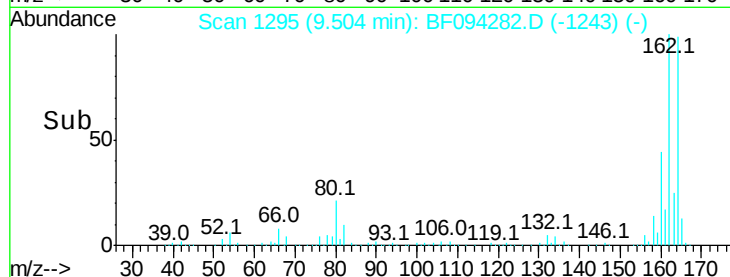
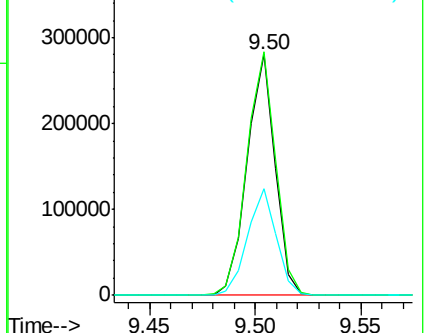
160 44.6 36.2 54.2



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: 117.21 ng

RT: 10.49 min Scan# 1463

Delta R.T. 0.02 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

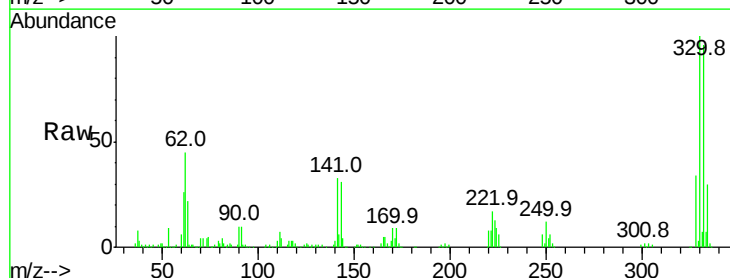
Tgt Ion:330 Resp: 239804

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

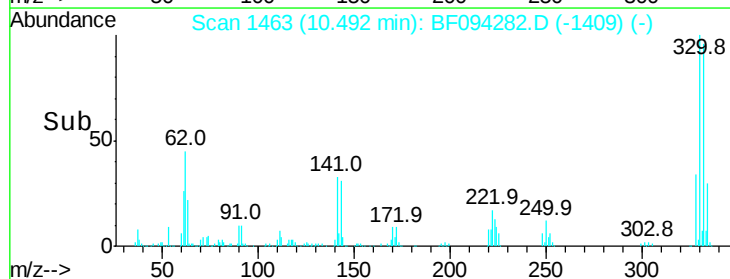
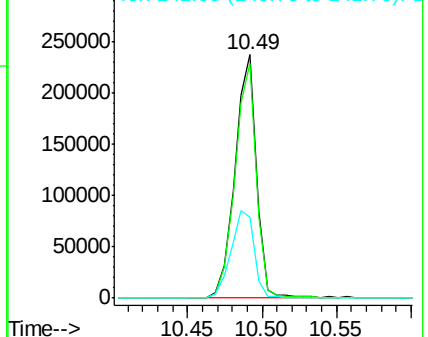
141 39.2 31.4 47.2

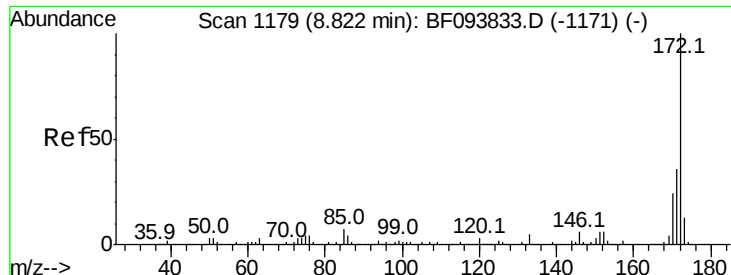


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

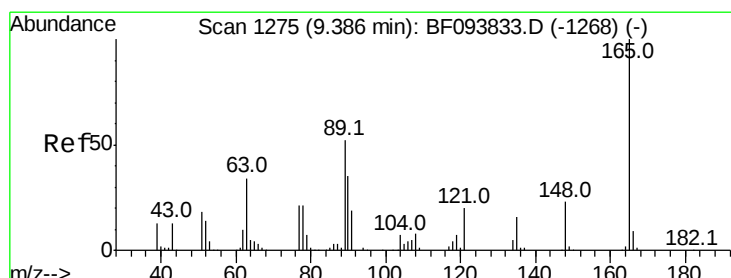
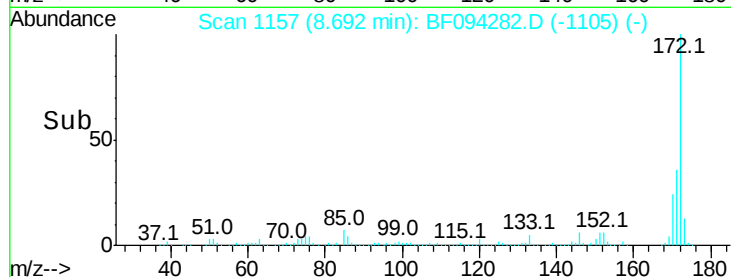
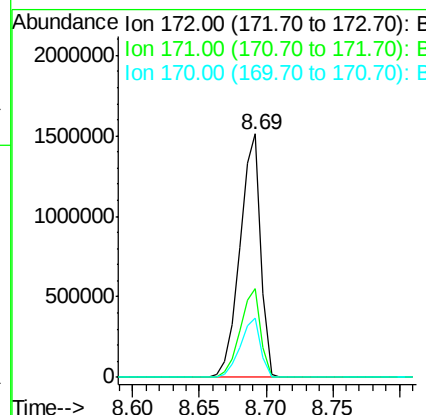
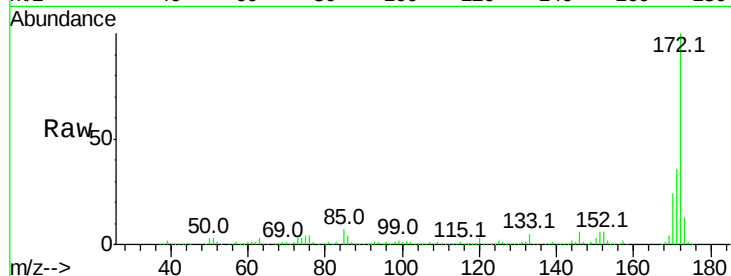




#44  
 2-Fluorobiphenyl  
 Concen: 96.30 ng  
 RT: 8.69 min Scan# 1157  
 Delta R.T. 0.01 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

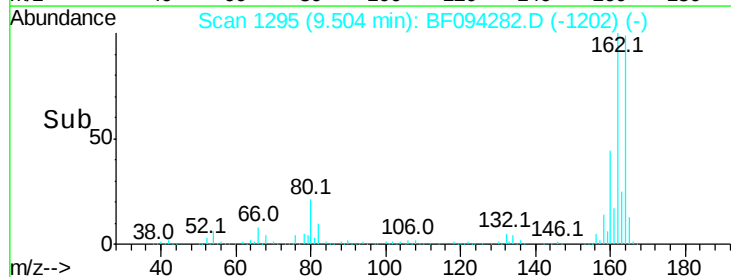
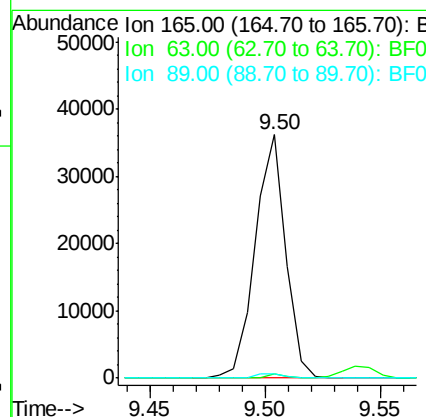
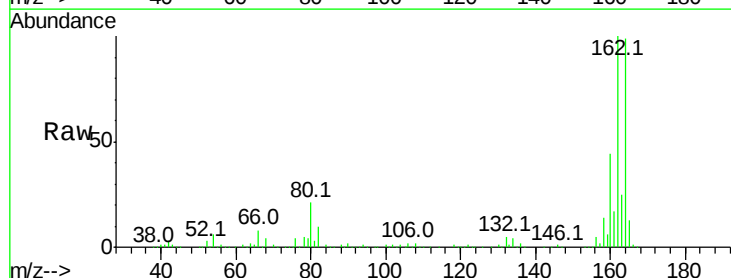
Instrument :  
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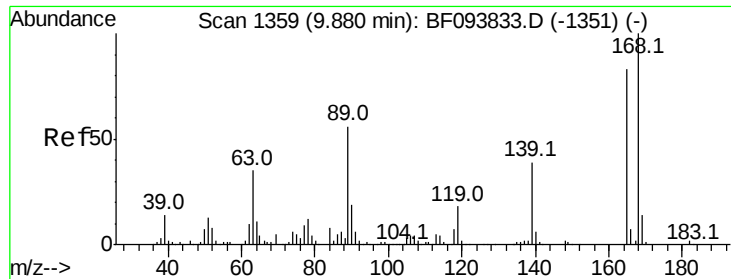
Tot Ion:172 Resp: 1634772  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.6 44.4  
 170 24.3 19.8 29.8



#50  
 2,6-Dinitrotoluene  
 Concen: 7.91 ng  
 RT: 9.50 min Scan# 1295  
 Delta R.T. 0.25 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

Tgt Ion:165 Resp: 33370  
 Ion Ratio Lower Upper  
 165 100  
 63 1.7 34.3 51.5#  
 89 1.7 37.1 55.7#

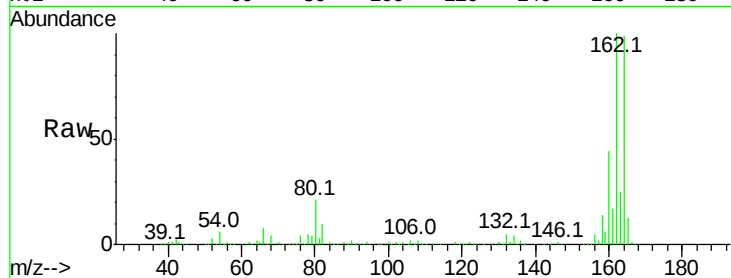




#56  
 2,4-Dinitrotoluene  
 Concen: 6.30 ng  
 RT: 9.50 min Scan# 1295  
 Delta R.T. -0.25 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

Instrument :  
 BNA\_F  
 ClientSampled :  
 A2394

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 25.4  | 38.0# |
| 89      | 1.7   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

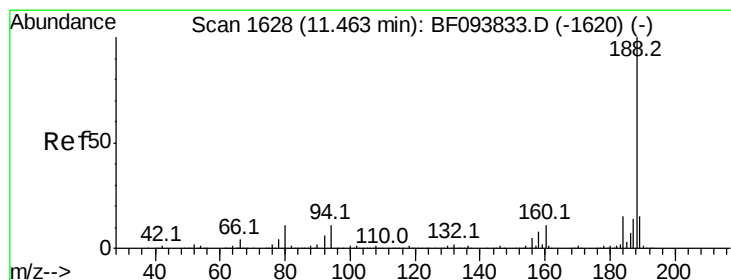
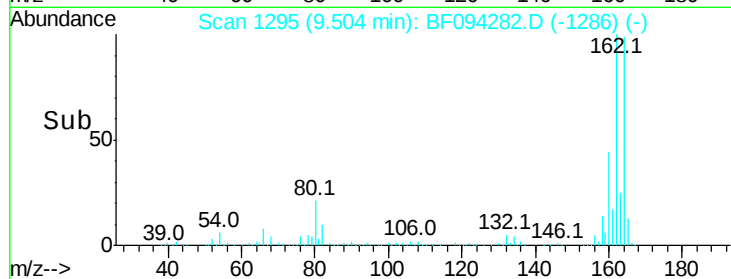
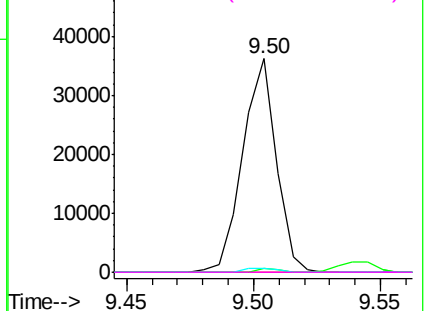


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

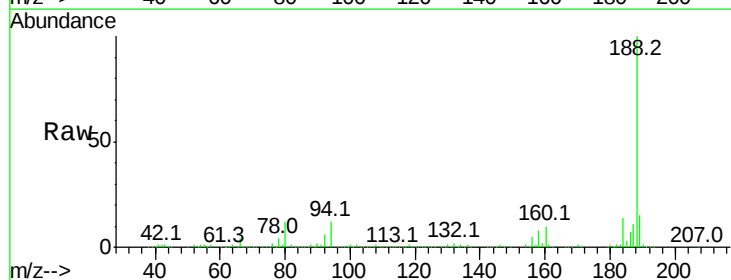
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.33 min Scan# 1605  
 Delta R.T. 0.01 min  
 Lab File: BF094282.D  
 Acq: 7 Apr 2017 19:34

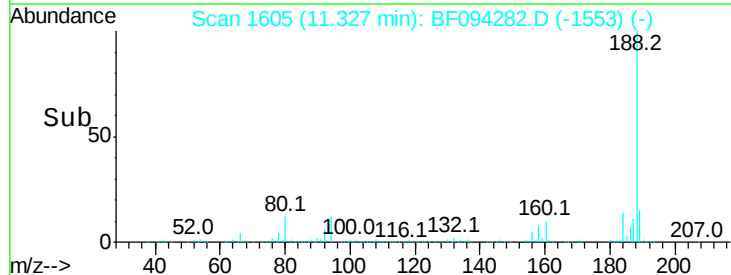
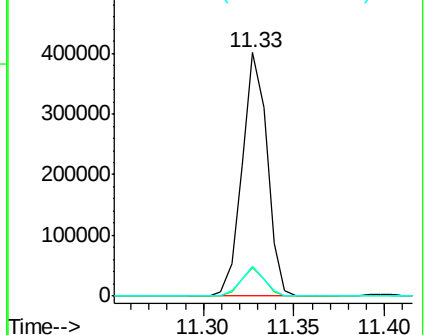
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.8  | 9.4   | 14.2  |
| 80      | 12.4  | 10.2  | 15.2  |

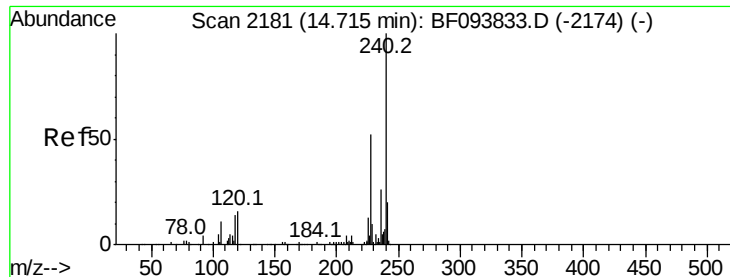


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.59 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

Instrument :

BNA\_F

ClientSampleId :

A2394

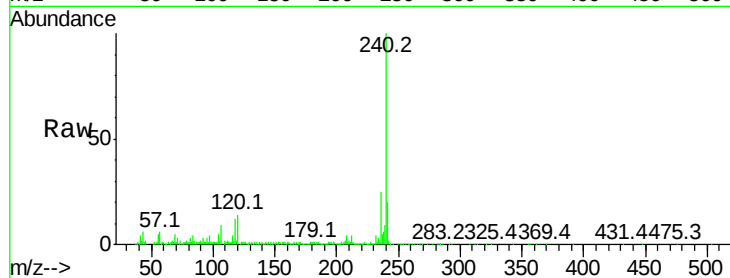
Tot Ion:240 Resp: 294173

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

236 24.5 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

300000

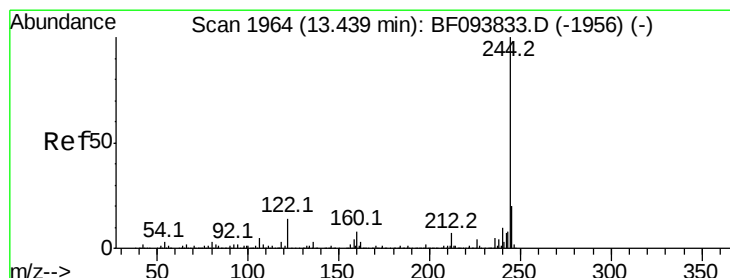
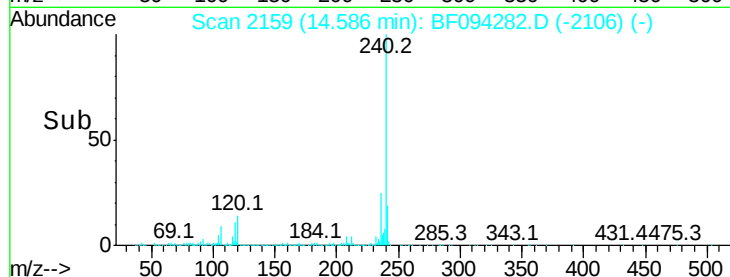
200000

100000

0

14.59

Time--> 14.50 14.55 14.60 14.65



#78

Terphenyl-d14

Concen: 72.58 ng

RT: 13.31 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BF094282.D

Acq: 7 Apr 2017 19:34

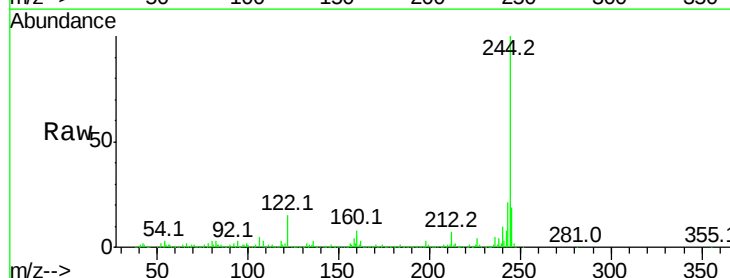
Tgt Ion:244 Resp: 952587

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 14.8 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

1000000

800000

600000

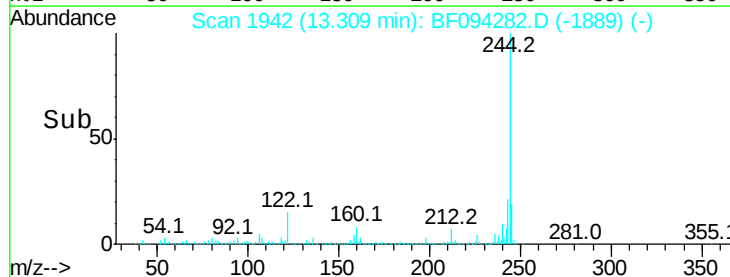
400000

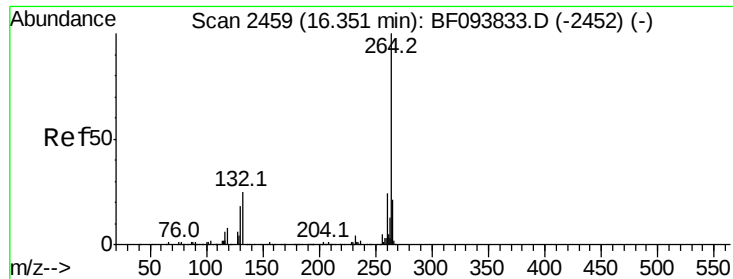
200000

0

13.31

Time--> 13.20 13.30 13.40

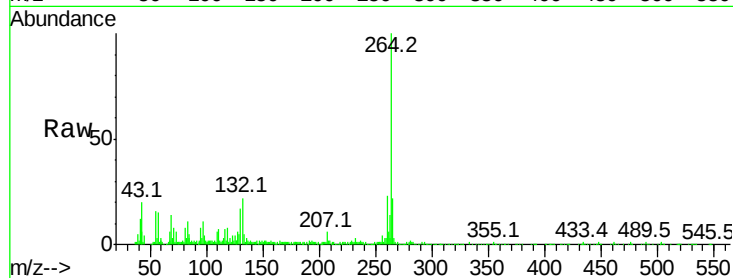




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.22 min Scan# 2437  
Delta R.T. 0.03 min  
Lab File: BF094282.D  
Acq: 7 Apr 2017 19:34

Instrument :  
BNA\_F  
ClientSampleId :  
A2394

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.5  | 29.3  |
| 265     | 22.2  | 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

