

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF030317\  
 Data File : BF093382.D  
 Acq On : 4 Mar 2017 2:02  
 Operator : SJ/MA  
 Sample : I2078-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-5

Quant Time: Mar 04 03:01:13 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

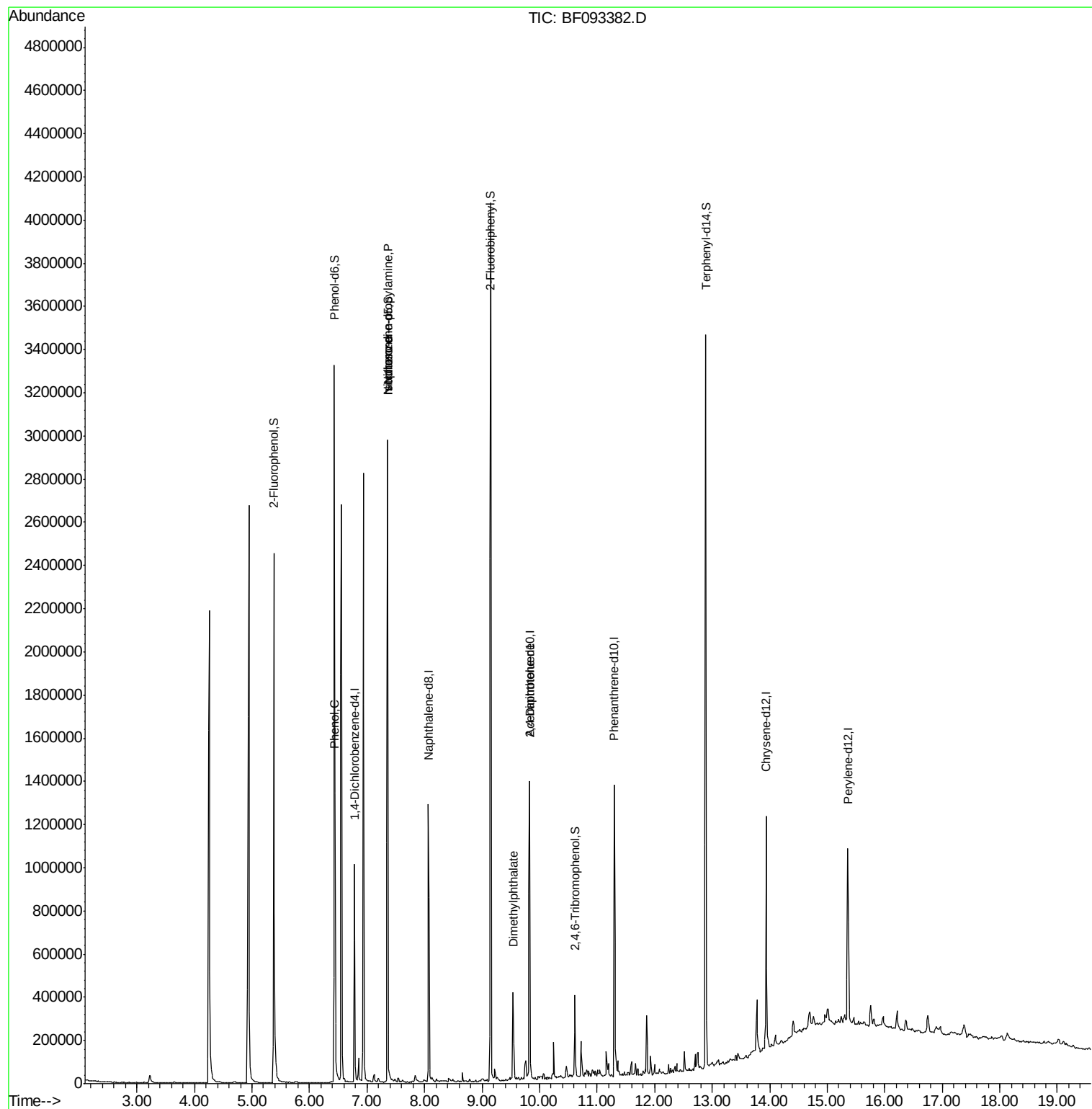
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.78  | 152  | 200870   | 20.00 | ng    | -0.07     |
| 21) Naphthalene-d8             | 8.06  | 136  | 750909   | 20.00 | ng    | -0.08     |
| 38) Acenaphthene-d10           | 9.82  | 164  | 342488   | 20.00 | ng    | -0.07     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 552871   | 20.00 | ng    | -0.08     |
| 75) Chrysene-d12               | 13.94 | 240  | 379906   | 20.00 | ng    | -0.08     |
| 86) Perylene-d12               | 15.36 | 264  | 345683   | 20.00 | ng    | -0.09     |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 5.38  | 112  | 745632   | 63.68 | ng    | -0.07     |
| 7) Phenol-d6                   | 6.43  | 99   | 1298029  | 86.16 | ng    | -0.06     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 1048176  | 77.73 | ng    | -0.07     |
| 41) 2,4,6-Tribromophenol       | 10.61 | 330  | 50096    | 20.22 | ng    | -0.07     |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 1608019  | 85.06 | ng    | -0.07     |
| 78) Terphenyl-d14              | 12.89 | 244  | 1026003  | 63.46 | ng    | -0.08     |
| Target Compounds               |       |      |          |       |       |           |
| 10) Phenol                     | 6.44  | 94   | 90397    | 5.13  | ng    | Qvalue 94 |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 143011   | 14.91 | ng    | # 80      |
| 25) Isophorone                 | 7.36  | 82   | 1038806  | 41.34 | ng    | # 65      |
| 49) Dimethylphthalate          | 9.54  | 163  | 178218   | 7.73  | ng    | # 98      |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 43744    | 6.60  | ng    | # 21      |

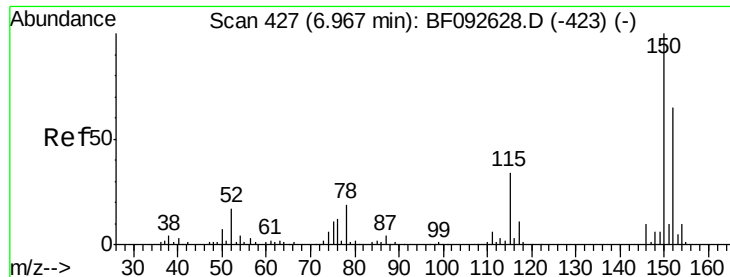
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Instrument :

BNA\_F

ClientSampleId :

C-5

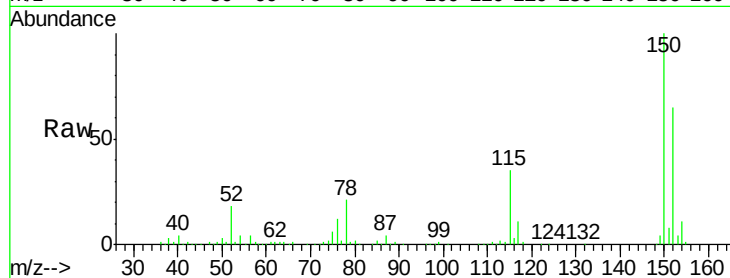
Tgt Ion:152 Resp: 200870

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

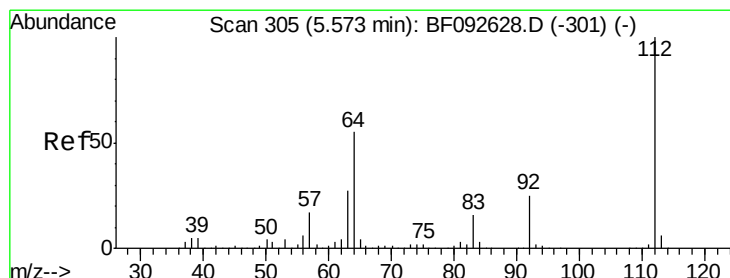
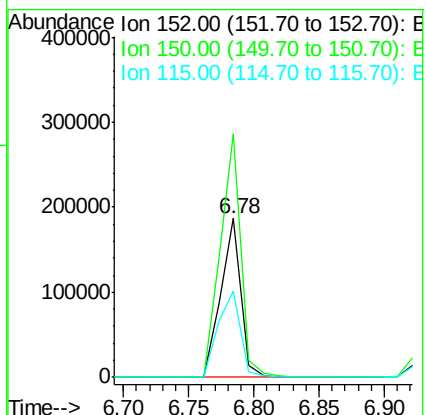
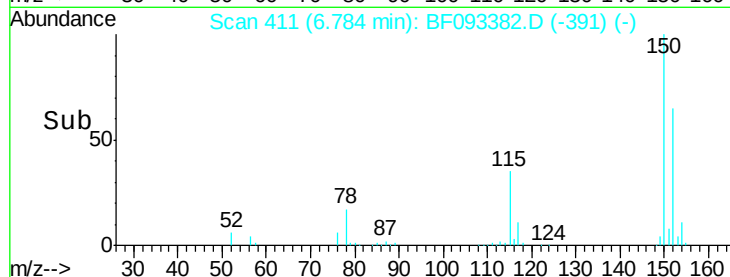
115 54.4 46.0 69.0



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: 63.68 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

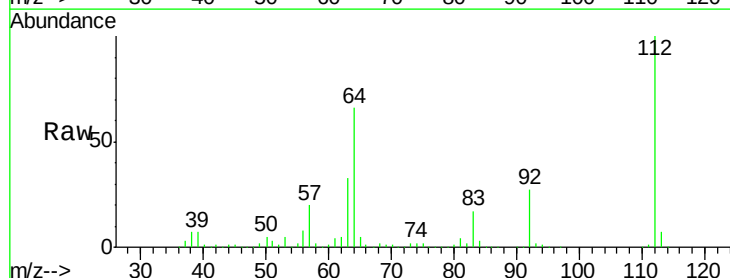
Tgt Ion:112 Resp: 745632

Ion Ratio Lower Upper

112 100

64 66.0 46.1 69.1

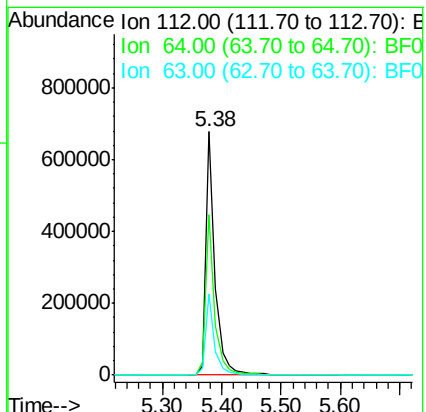
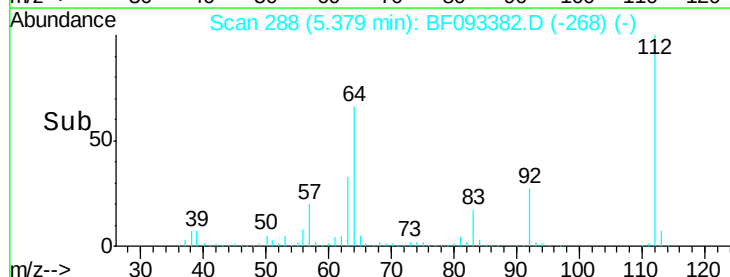
63 33.1 23.8 35.6

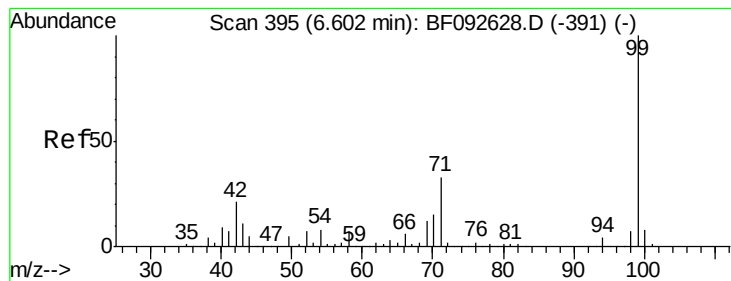


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.16 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Instrument :

BNA\_F

ClientSampled :

C-5

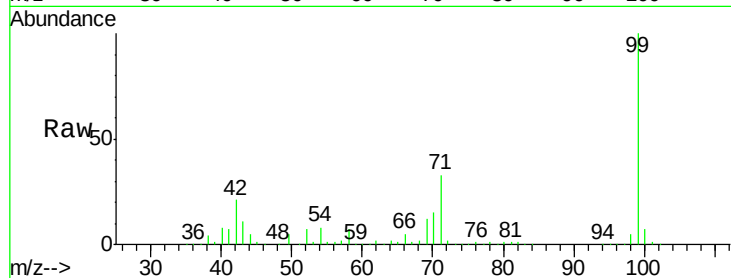
Tgt Ion: 99 Resp: 1298029

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

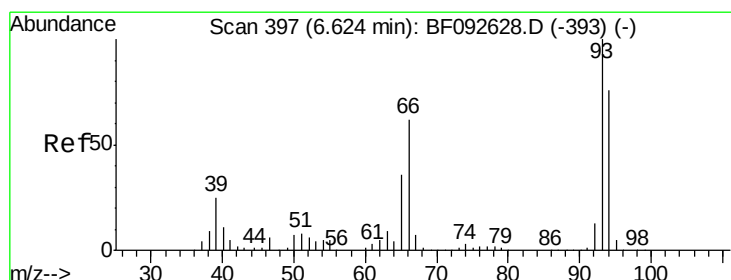
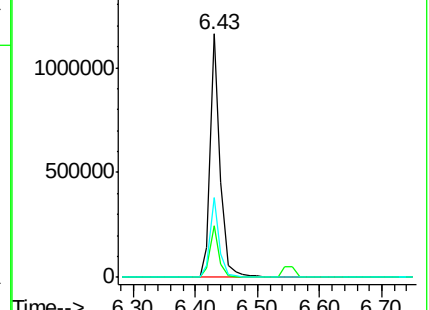
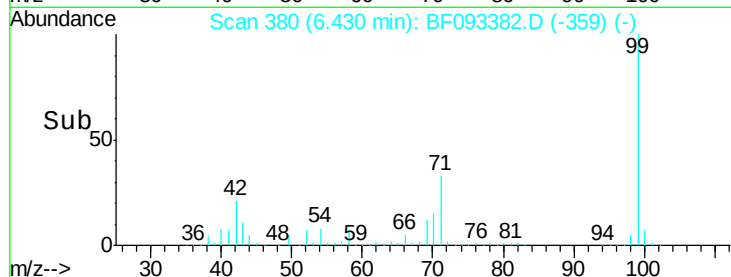
71 33.0 27.5 41.3



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: 5.13 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.07 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

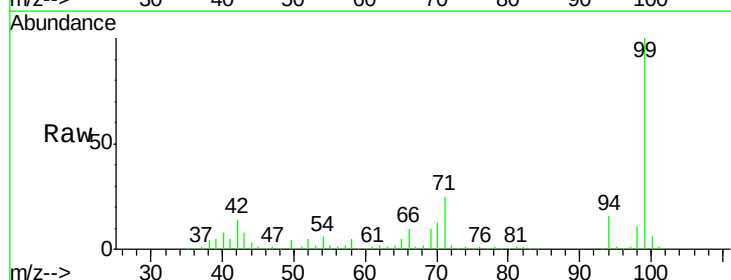
Tgt Ion: 94 Resp: 90397

Ion Ratio Lower Upper

94 100

65 34.5 21.4 61.4

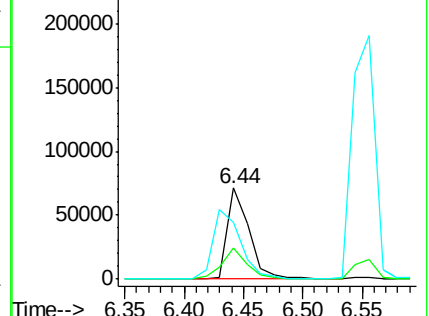
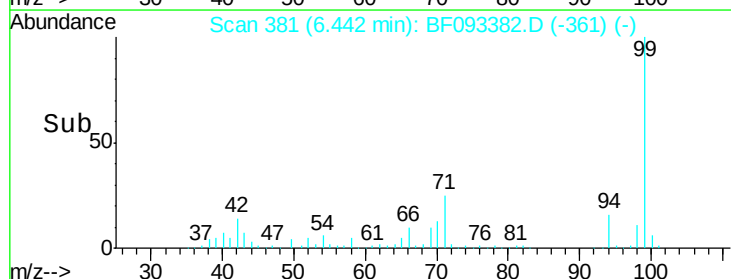
66 61.7 44.0 84.0

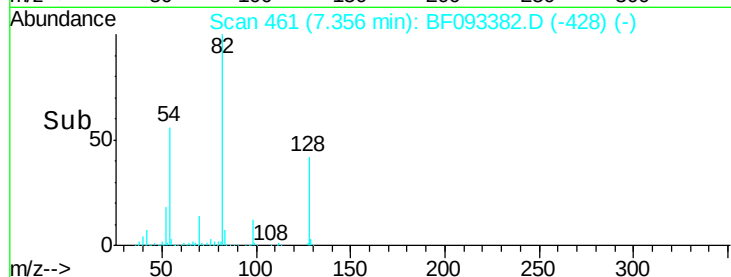
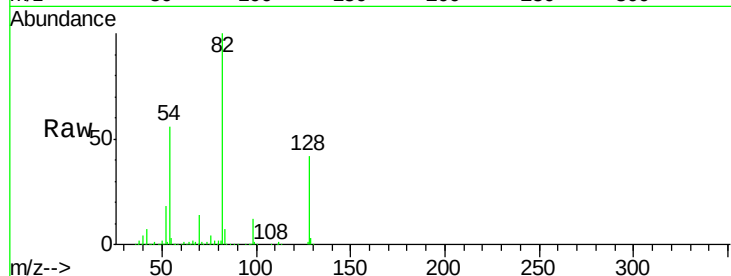
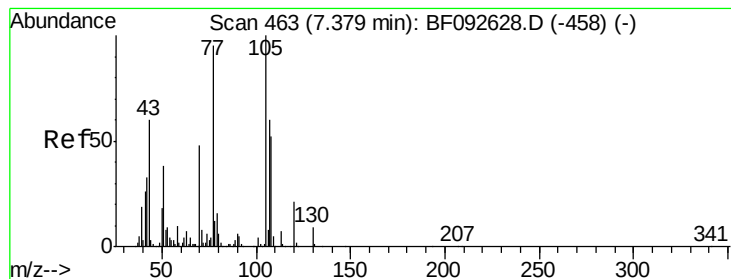


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.91 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.08 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Instrument :

BNA\_F

ClientSampleId :

C-5

Tgt Ion: 70 Resp: 143011

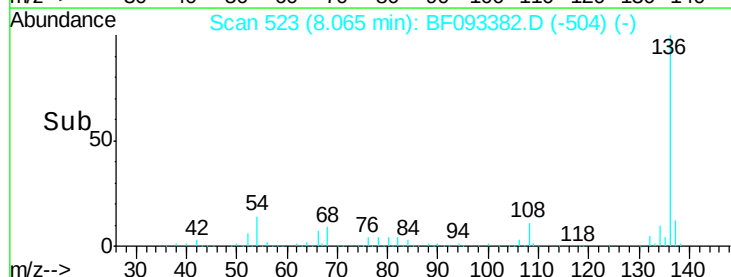
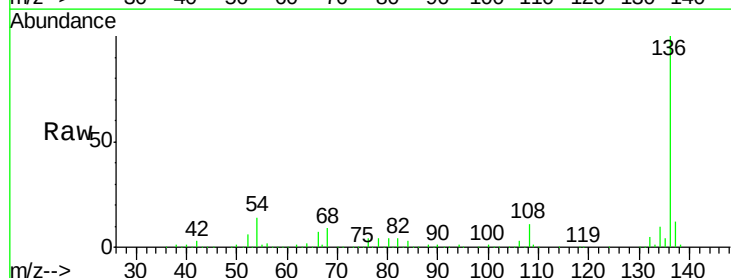
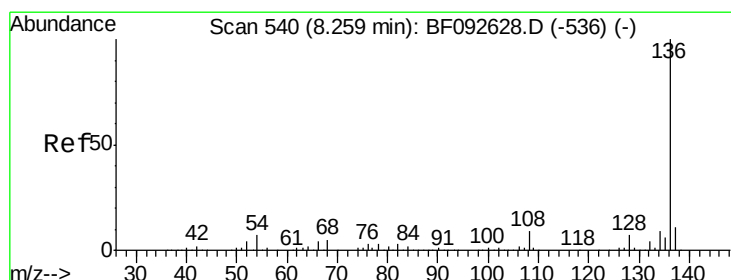
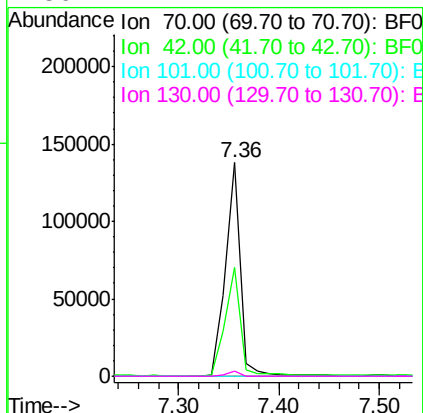
Ion Ratio Lower Upper

70 100

42 50.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.08 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Tgt Ion: 136 Resp: 750909

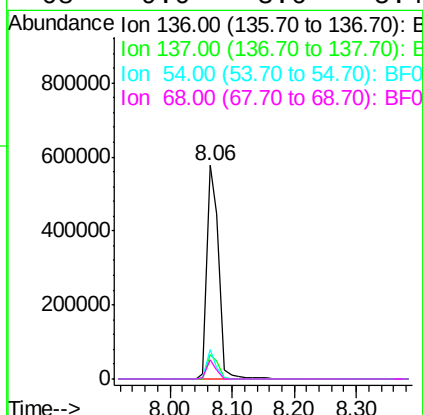
Ion Ratio Lower Upper

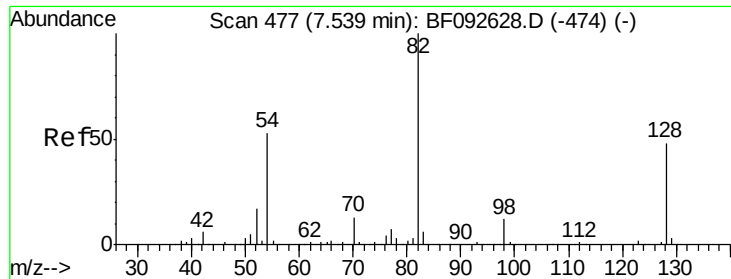
136 100

137 11.6 8.4 12.6

54 13.7 4.5 6.7#

68 9.0 3.6 5.4#

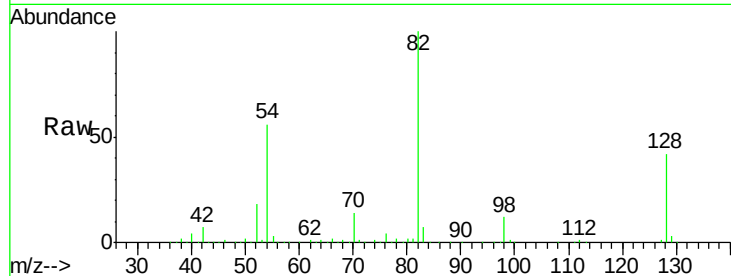




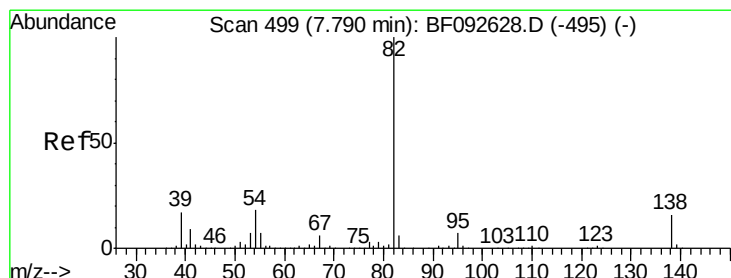
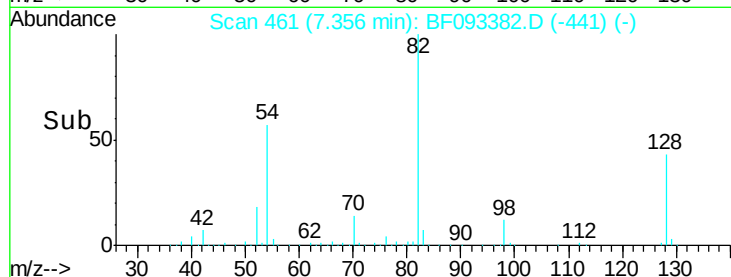
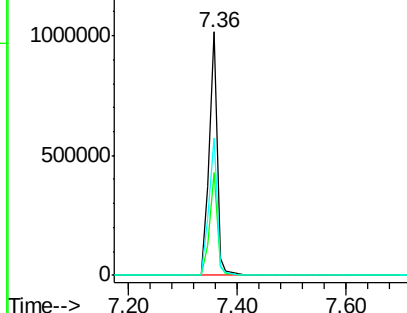
#23  
 Nitrobenzene-d5  
 Concen: 77.73 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.07 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-5

Tgt Ion: 82 Resp: 1048176  
 Ion Ratio Lower Upper  
 82 100  
 128 42.1 34.6 52.0  
 54 56.3 39.5 59.3

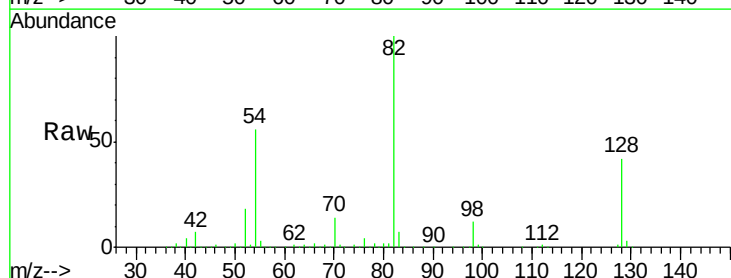


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

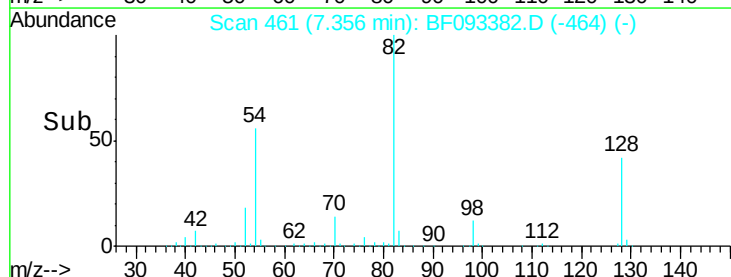
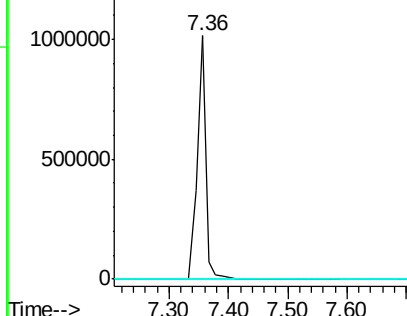


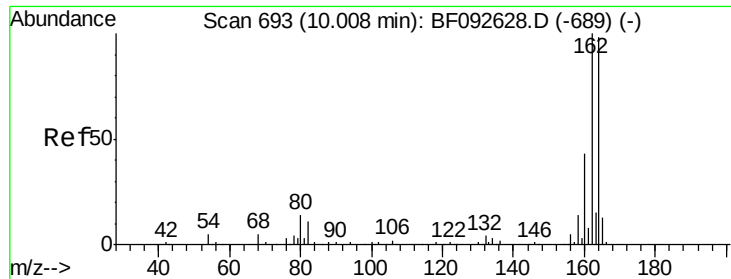
#25  
 Isophorone  
 Concen: 41.34 ng  
 RT: 7.36 min Scan# 461  
 Delta R.T. -0.33 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

Tgt Ion: 82 Resp: 1038806  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.6 8.4#  
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Instrument :

BNA\_F

ClientSampleId :

C-5

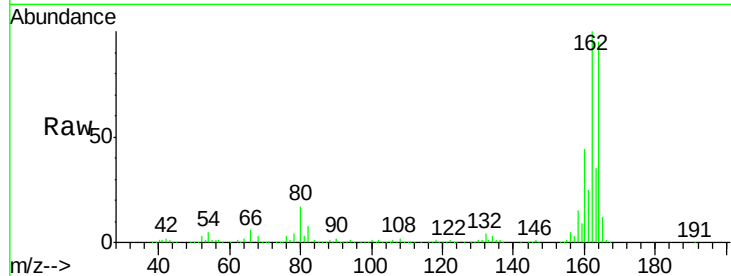
Tgt Ion:164 Resp: 342488

Ion Ratio Lower Upper

164 100

162 105.7 80.2 120.2

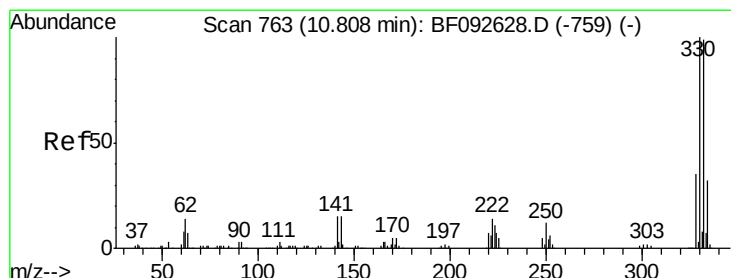
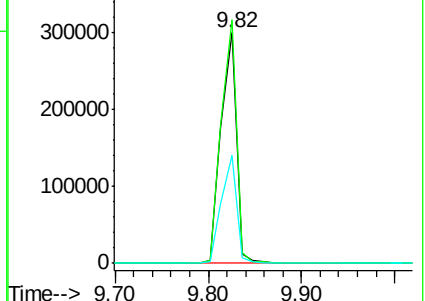
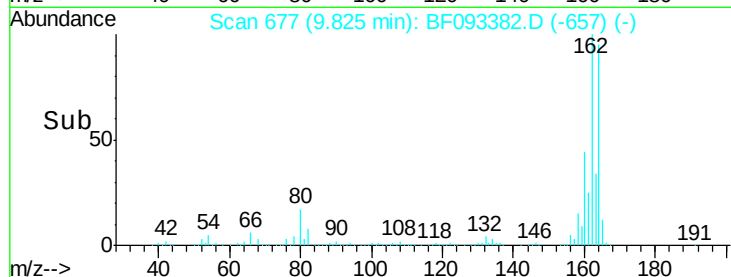
160 46.9 36.9 55.3



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: 20.22 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.07 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

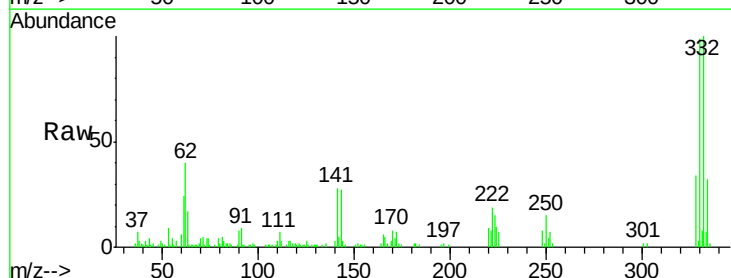
Tgt Ion:330 Resp: 50096

Ion Ratio Lower Upper

330 100

332 99.6 77.4 116.2

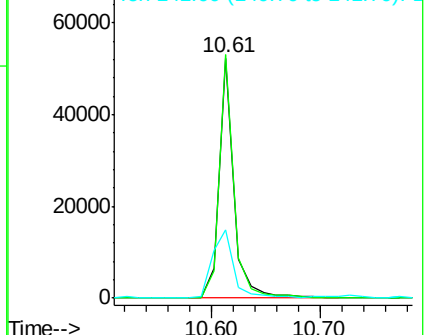
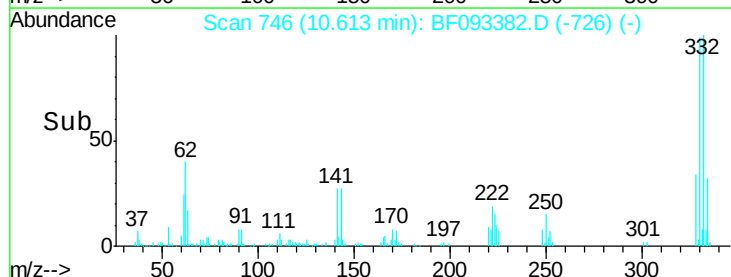
141 41.3 34.1 51.1

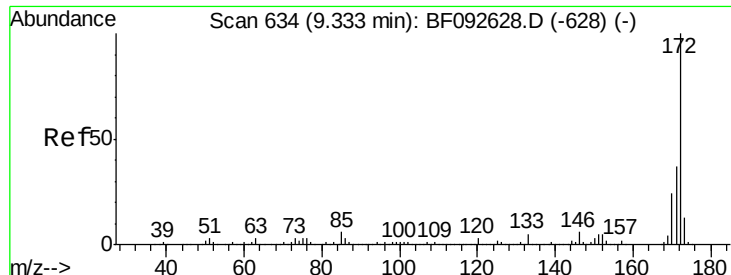


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

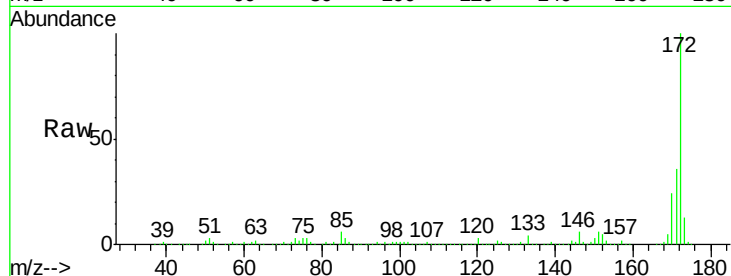




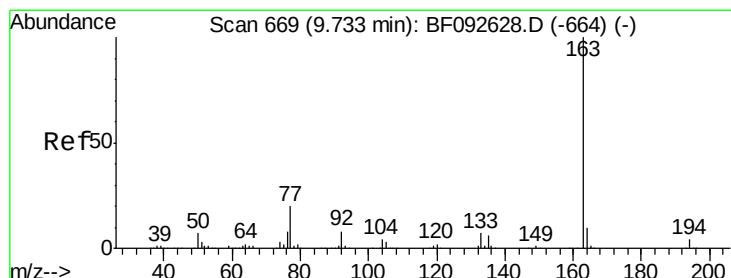
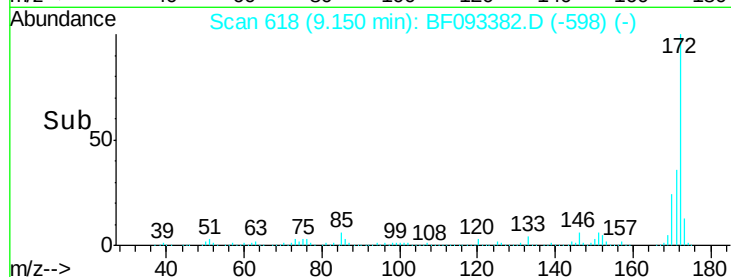
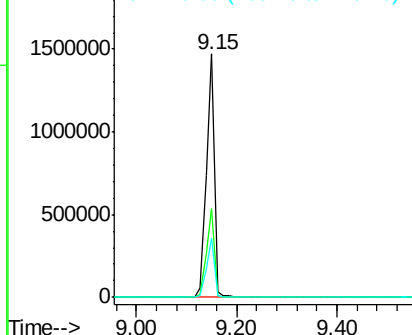
#44  
 2-Fluorobiphenyl  
 Concen: 85.06 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.07 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-5

Tgt Ion:172 Resp: 1608019  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.0  
 170 24.4 20.2 30.4

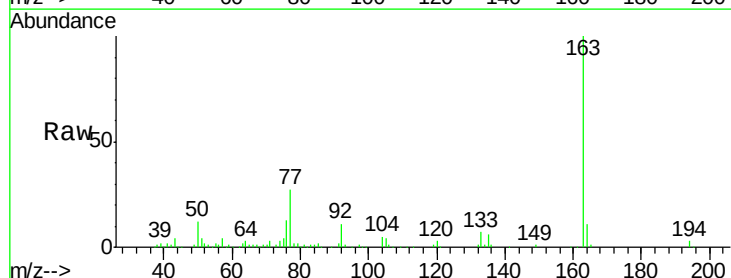


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

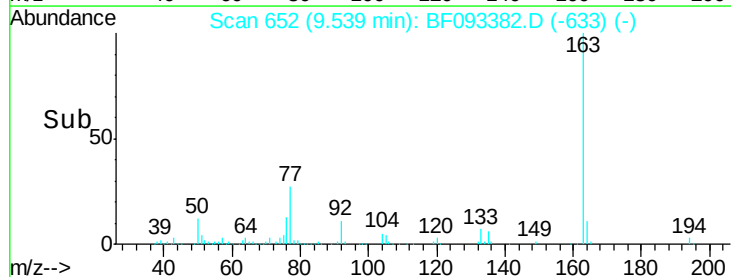
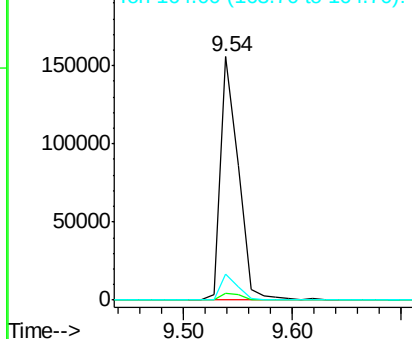


#49  
 Dimethylphthalate  
 Concen: 7.73 ng  
 RT: 9.54 min Scan# 652  
 Delta R.T. -0.08 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

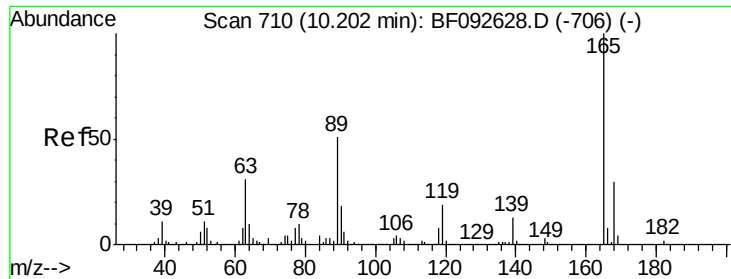
Tgt Ion:163 Resp: 178218  
 Ion Ratio Lower Upper  
 163 100  
 194 2.9 3.0 4.4#  
 164 10.7 8.0 12.0



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



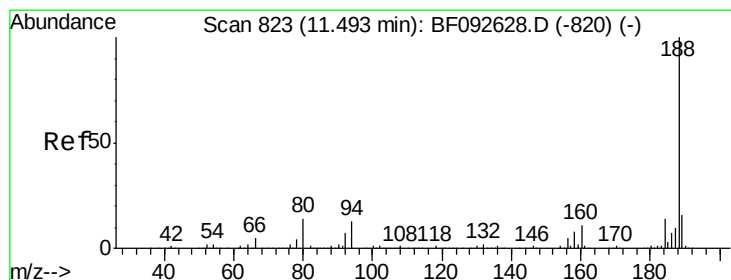
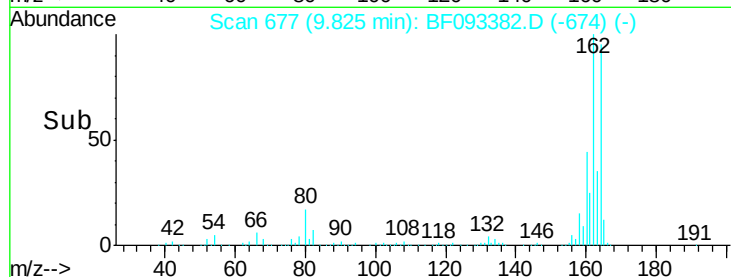
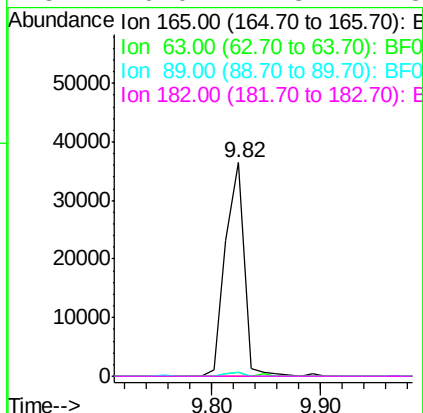
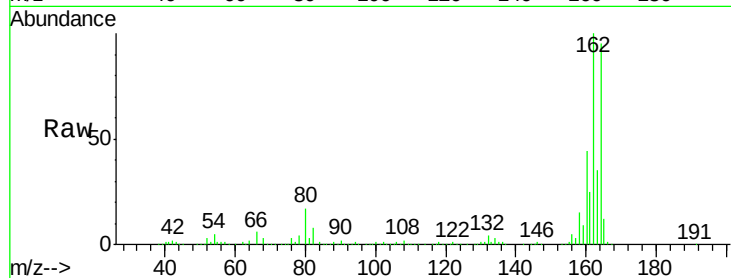




#56  
 2,4-Dinitrotoluene  
 Concen: 6.60 ng  
 RT: 9.82 min Scan# 677  
 Delta R.T. -0.26 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

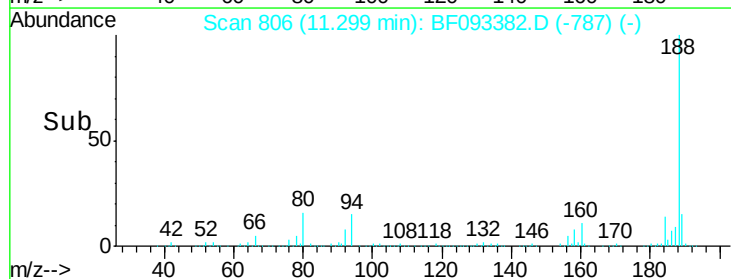
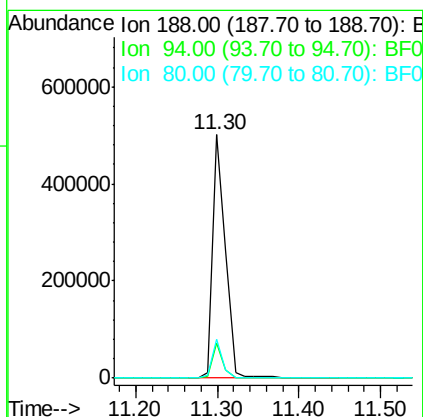
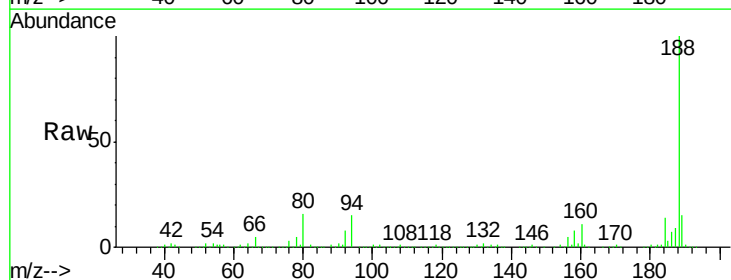
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-5

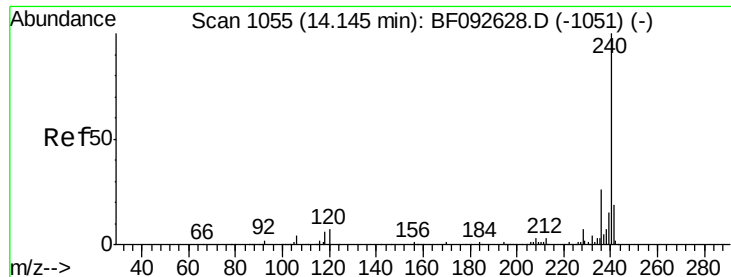
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 43744 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.9   | 40.2  | 60.4# |
| 89       | 2.0   | 62.5  | 93.7# |
| 182      | 0.0   | 1.8   | 2.8#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 806  
 Delta R.T. -0.08 min  
 Lab File: BF093382.D  
 Acq: 4 Mar 2017 2:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 552871 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 14.6  | 10.0  | 15.0   |
| 80       | 16.1  | 11.2  | 16.8   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

Instrument :

BNA\_F

ClientSampleId :

C-5

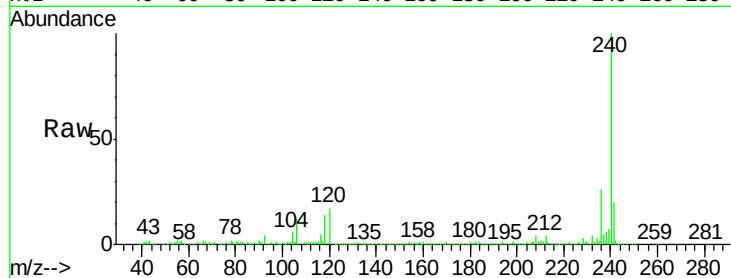
Tgt Ion:240 Resp: 379906

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

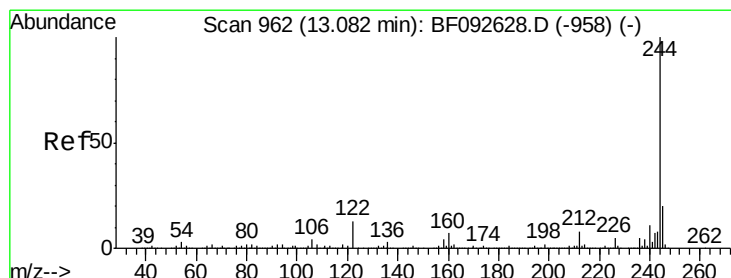
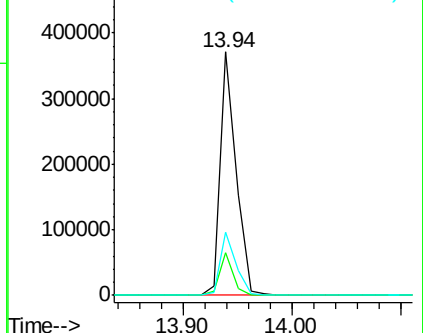
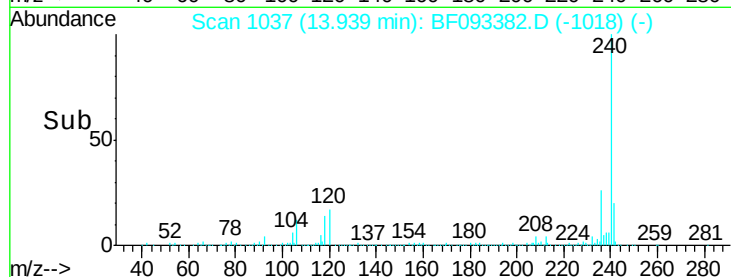
236 26.0 20.9 31.3



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: 63.46 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093382.D

Acq: 4 Mar 2017 2:02

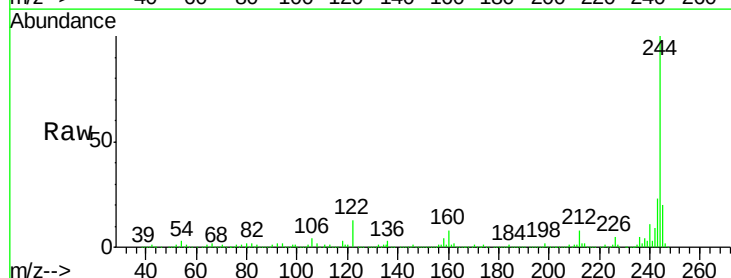
Tgt Ion:244 Resp: 1026003

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

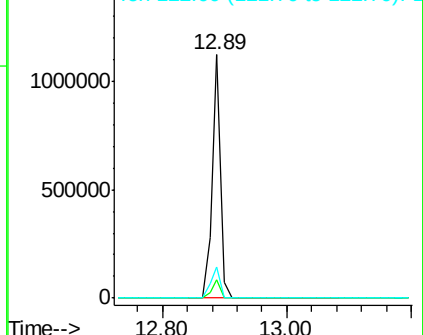
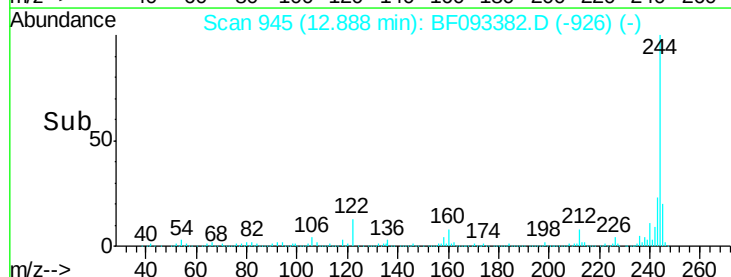
122 13.0 11.4 17.2

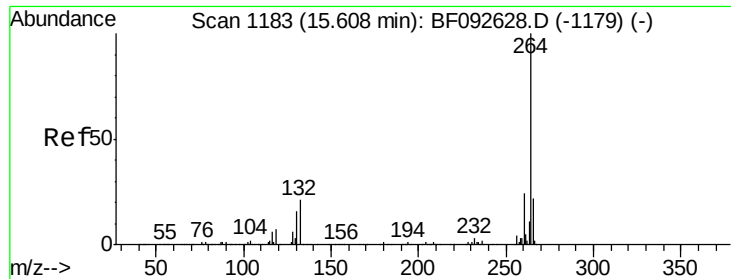


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

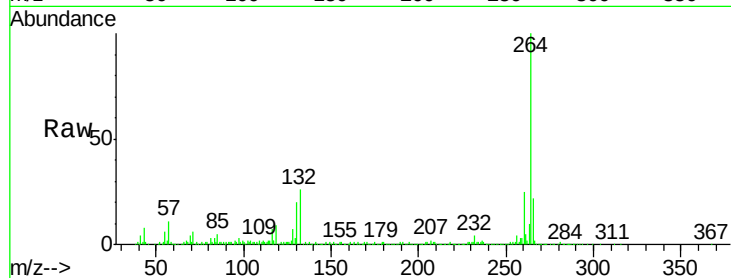




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1161  
Delta R.T. -0.09 min  
Lab File: BF093382.D  
Acq: 4 Mar 2017 2:02

Instrument :  
BNA\_F  
ClientSampleId :  
C-5

Tgt Ion: 264 Resp: 345683  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.2 28.8  
265 21.9 17.4 26.0



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

