

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\  
 Data File : BF098769.D  
 Acq On : 24 Sep 2017 6:27  
 Operator : SJ/JU  
 Sample : I5298-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091817-SIDI-F-U-M

Quant Time: Sep 25 08:37:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 130633   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 456409   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.96  | 164  | 161622   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.45 | 188  | 267501   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.09 | 240  | 264173   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.57 | 264  | 206729   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 273418   | 33.32  | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 240470   | 23.75  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.49  | 82   | 763036   | 107.21 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 102279   | 77.34  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 1189865  | 122.90 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.03 | 244  | 924342   | 79.57  | ng    | 0.00     |

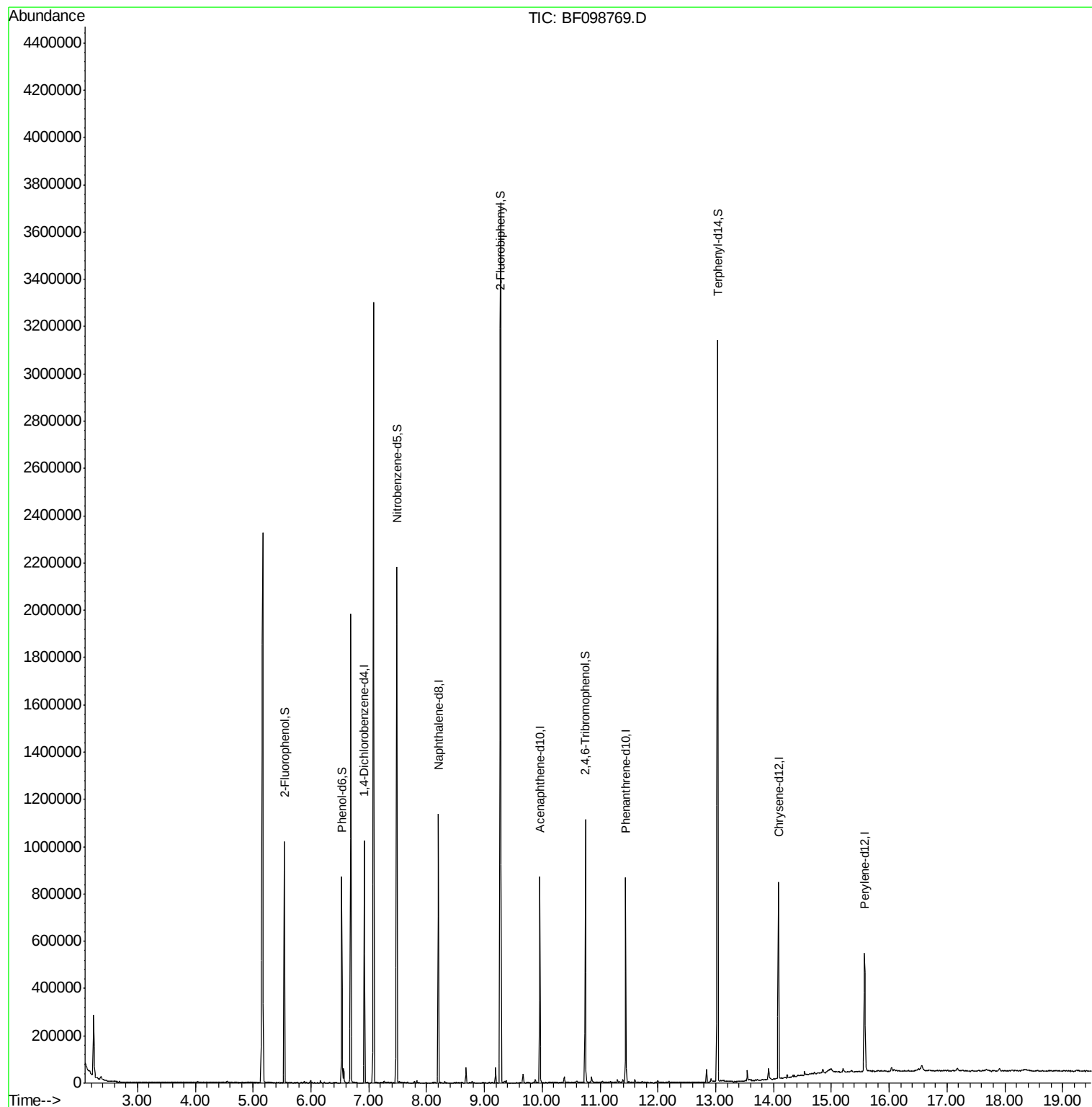
Target Compounds Qvalue

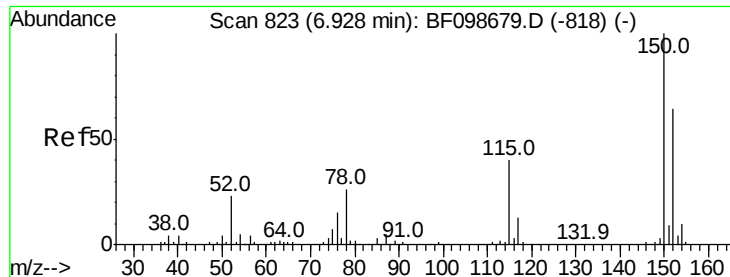
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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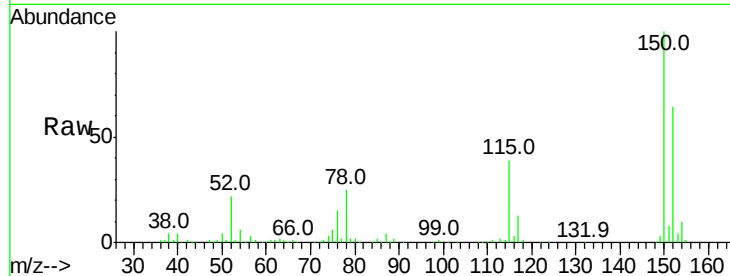


#1

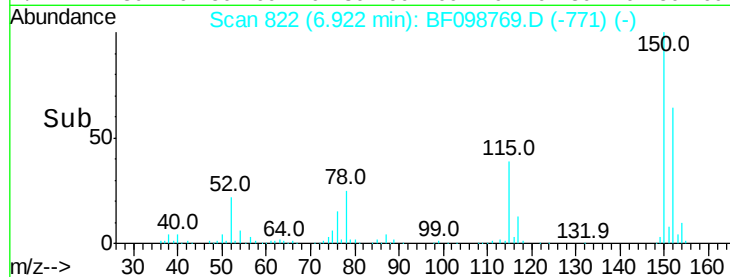
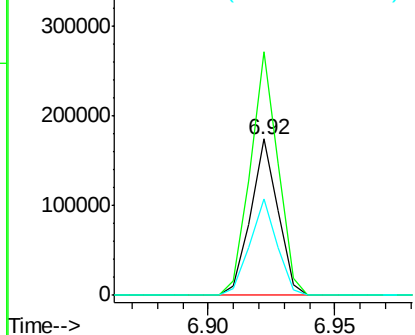
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.92 min Scan# 822  
 Delta R.T. -0.00 min  
 Lab File: BF098769.D  
 Acq: 24 Sep 2017 6:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091817-SIDI-F-U-M

Tot Ion:152 Resp: 130633  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 124.6 186.8  
 115 61.4 50.1 75.1



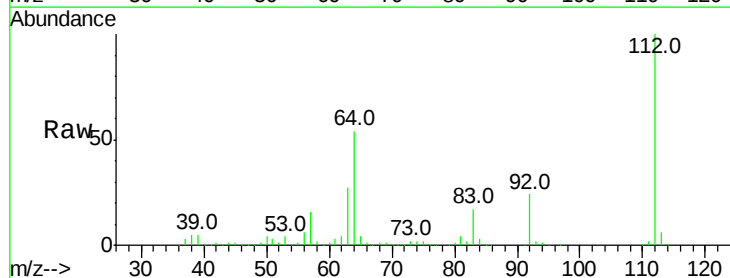
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



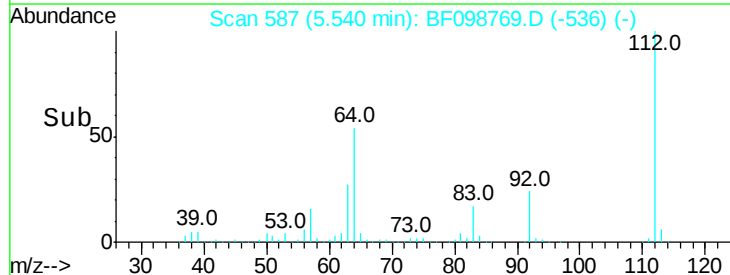
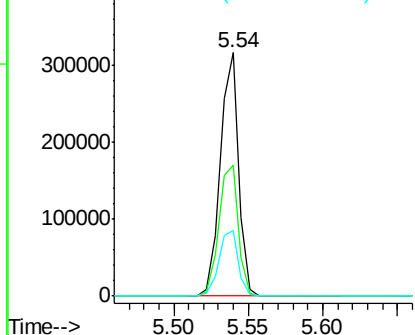
#5

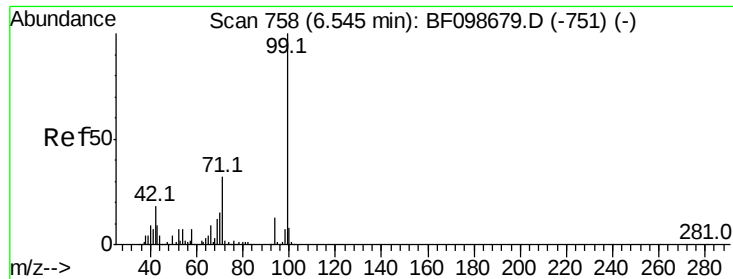
2-Fluorophenol  
 Concen: 33.319 ng  
 RT: 5.54 min Scan# 587  
 Delta R.T. -0.00 min  
 Lab File: BF098769.D  
 Acq: 24 Sep 2017 6:27

Tgt Ion:112 Resp: 273418  
 Ion Ratio Lower Upper  
 112 100  
 64 53.6 47.9 71.9  
 63 27.1 23.7 35.5



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: 23.754 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA\_F

ClientSampleId :

091817-SIDI-F-U-M

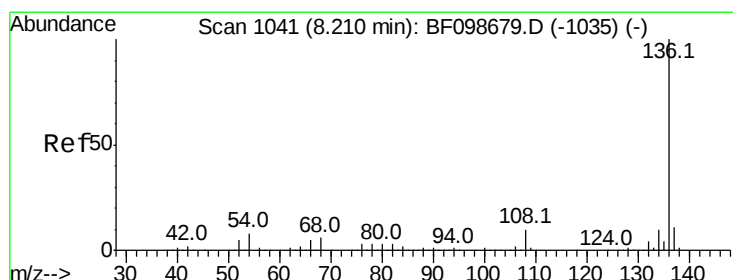
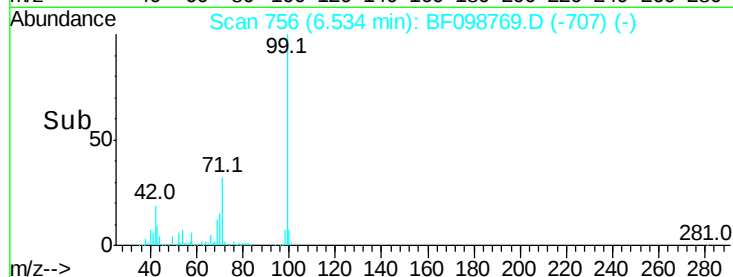
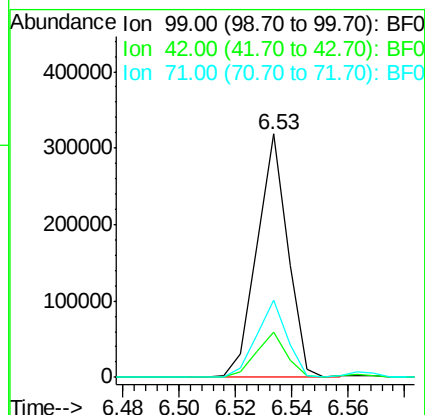
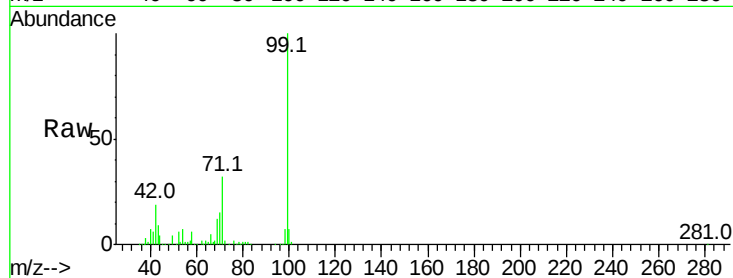
Tot Ion: 99 Resp: 240470

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 31.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Tgt Ion: 136 Resp: 456409

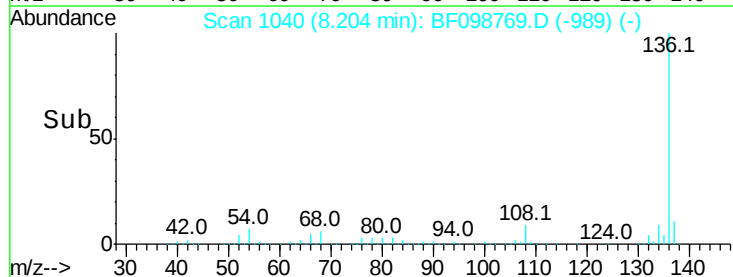
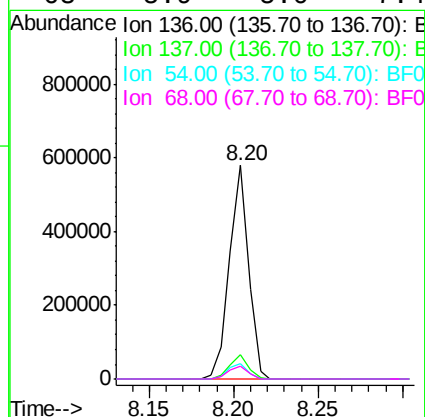
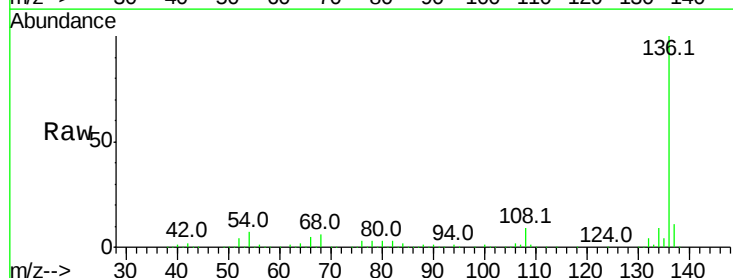
Ion Ratio Lower Upper

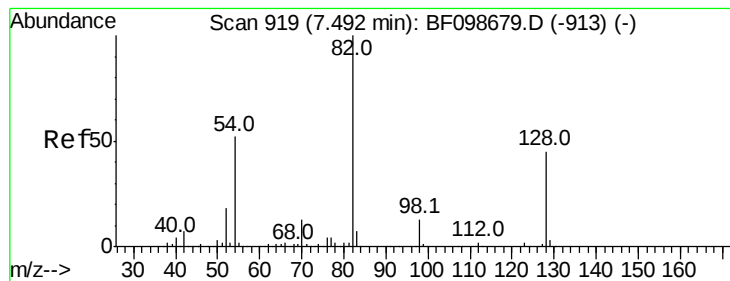
136 100

137 11.2 8.9 13.3

54 7.3 6.6 9.8

68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 107.214 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA\_F

ClientSampleId :

091817-SIDI-F-U-M

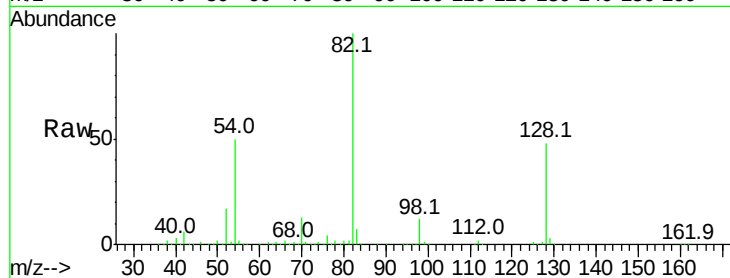
Tot Ion: 82 Resp: 763036

Ion Ratio Lower Upper

82 100

128 48.2 36.1 54.1

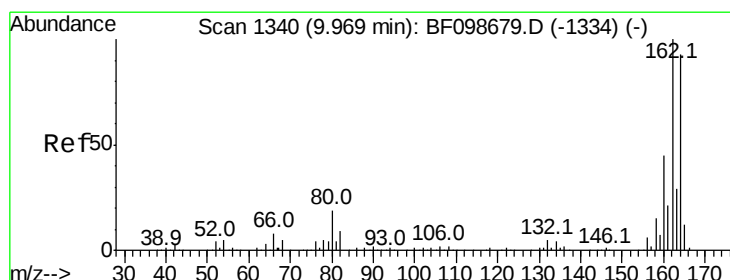
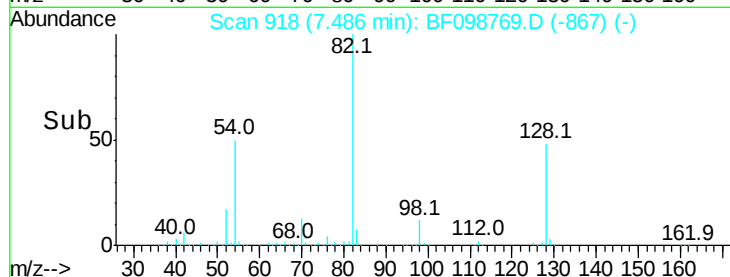
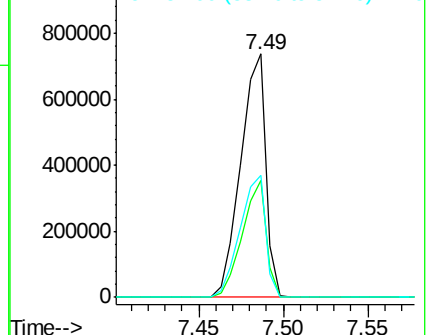
54 49.9 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

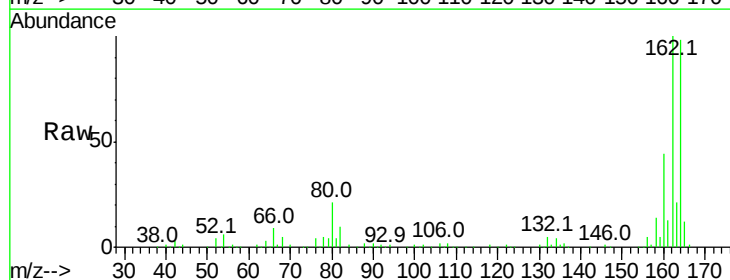
Tgt Ion:164 Resp: 161622

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

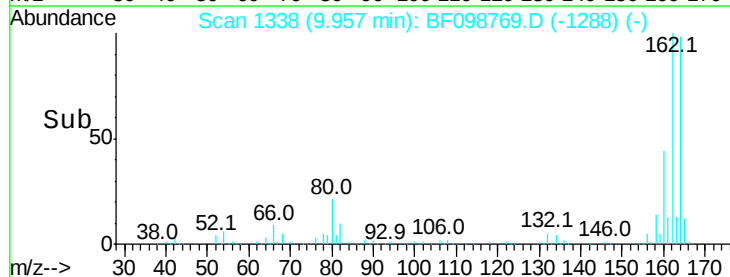
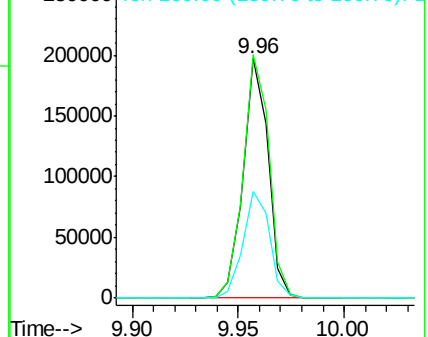
160 44.7 38.3 57.5



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

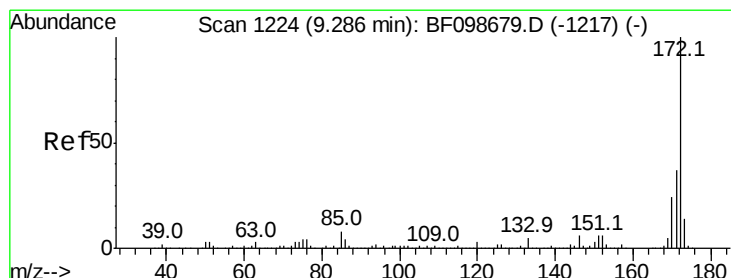
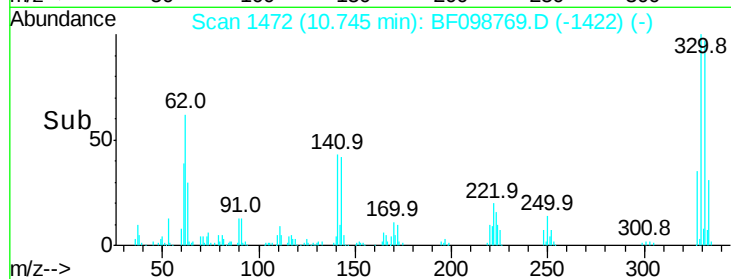
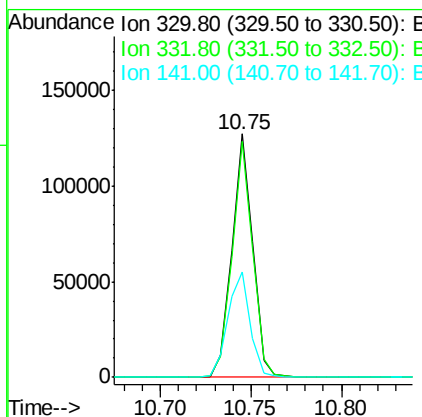
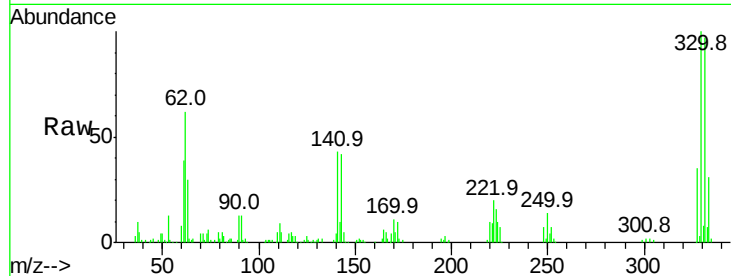




#41  
 2,4,6-Tribromophenol  
 Concen: 77.337 ng  
 RT: 10.75 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BF098769.D  
 Acq: 24 Sep 2017 6:27

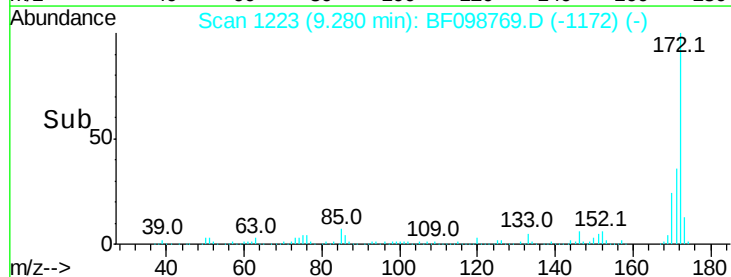
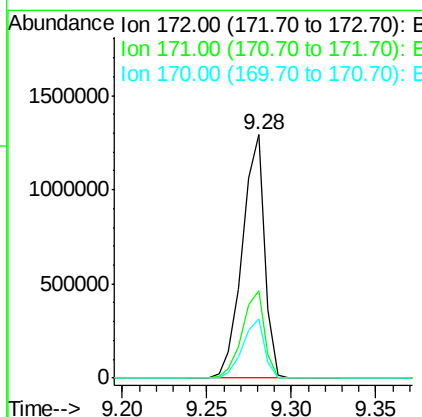
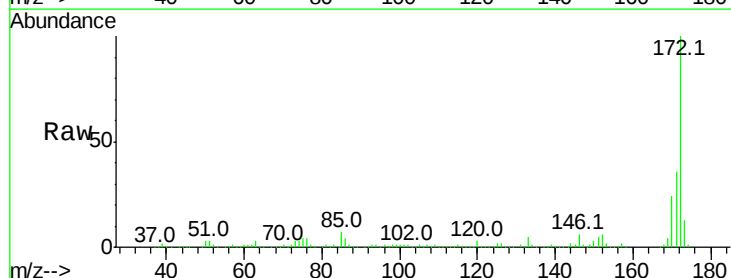
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091817-SIDI-F-U-M

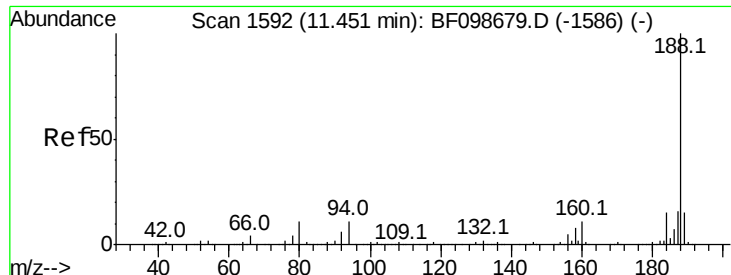
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 46.1  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 122.903 ng  
 RT: 9.28 min Scan# 1223  
 Delta R.T. -0.00 min  
 Lab File: BF098769.D  
 Acq: 24 Sep 2017 6:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA\_F

ClientSampleId :

091817-SIDI-F-U-M

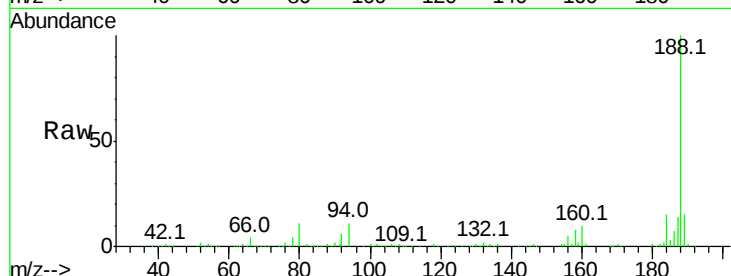
Tot Ion:188 Resp: 267501

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

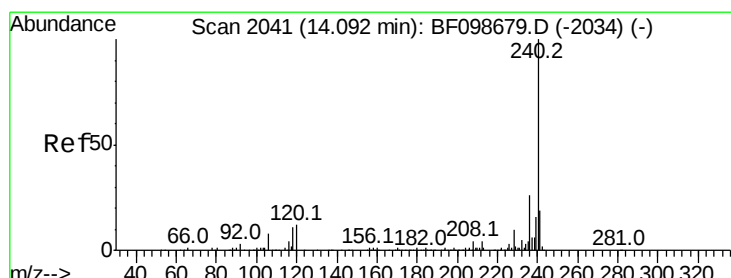
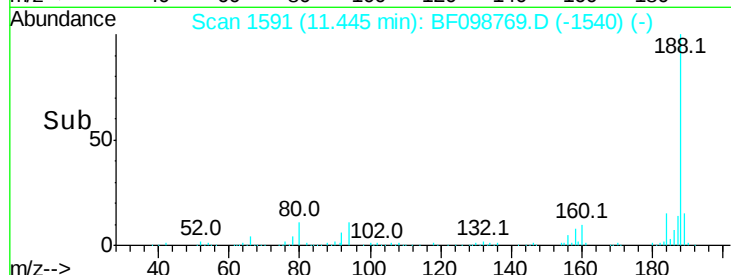
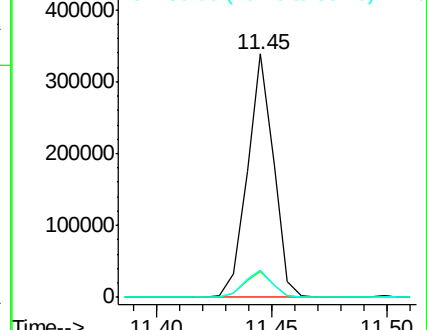
80 11.4 9.2 13.8



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: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

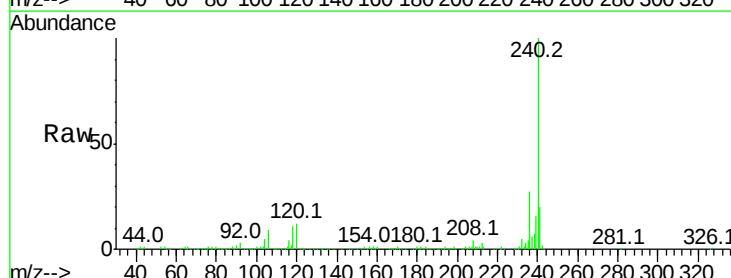
Tgt Ion:240 Resp: 264173

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

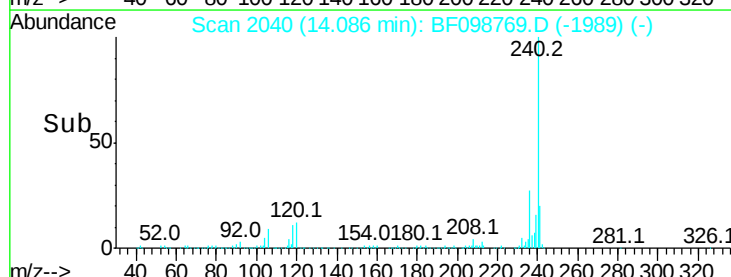
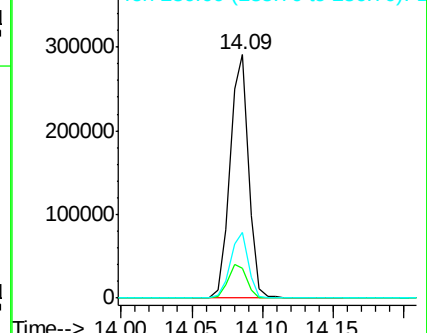
236 26.9 20.7 31.1

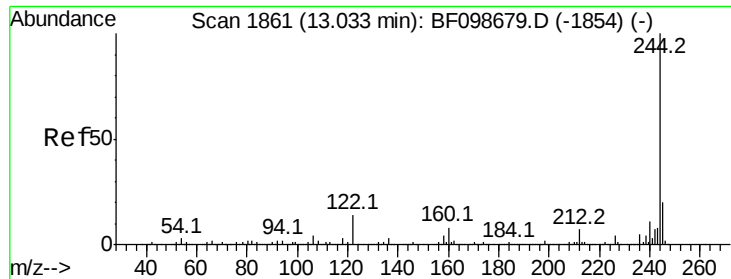


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.574 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

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BNA\_F

ClientSampleId :

091817-SIDI-F-U-M

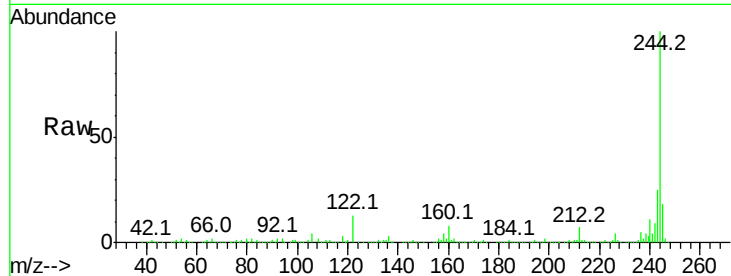
Tot Ion:244 Resp: 924342

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

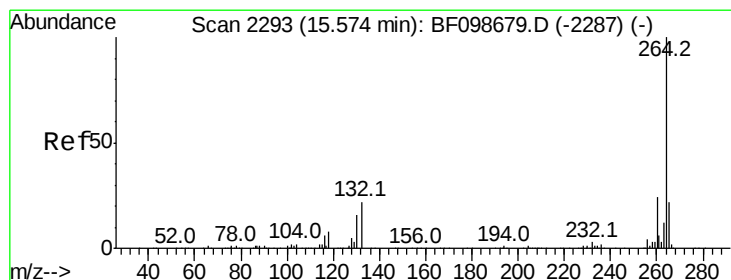
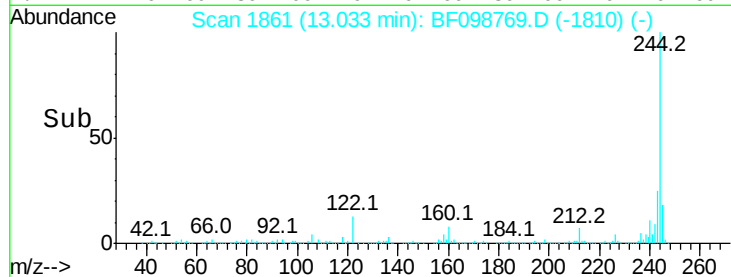
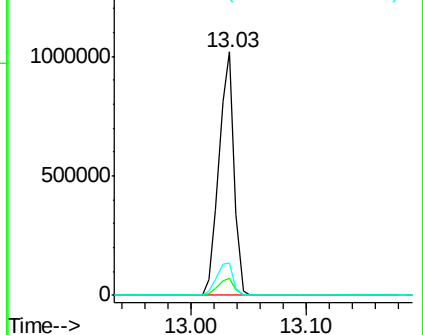
122 13.1 11.0 16.4



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: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

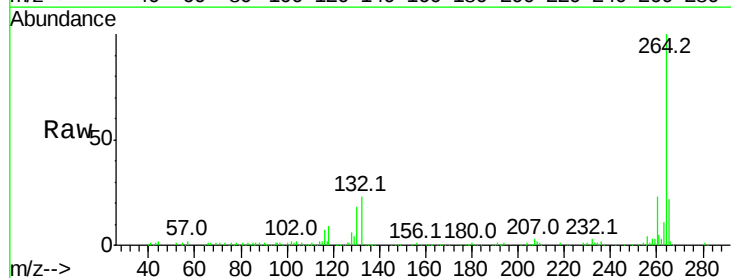
Tgt Ion:264 Resp: 206729

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.1 17.5 26.3



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

