

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\  
 Data File : BF098813.D  
 Acq On : 26 Sep 2017 6:10  
 Operator : SJ/JU  
 Sample : PB102566BL  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102566BL

Quant Time: Sep 26 08:58:30 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   | 6.91  | 152  | 135126   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.19  | 136  | 567950   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.95  | 164  | 254171   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.44 | 188  | 424187   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.07 | 240  | 257364   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.56 | 264  | 238468   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 807443   | 95.12 | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 965459   | 92.20 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.47  | 82   | 843613   | 95.26 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 168864   | 81.19 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.27  | 172  | 1519256  | 99.79 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.02 | 244  | 1084520  | 95.83 | ng    | -0.01    |

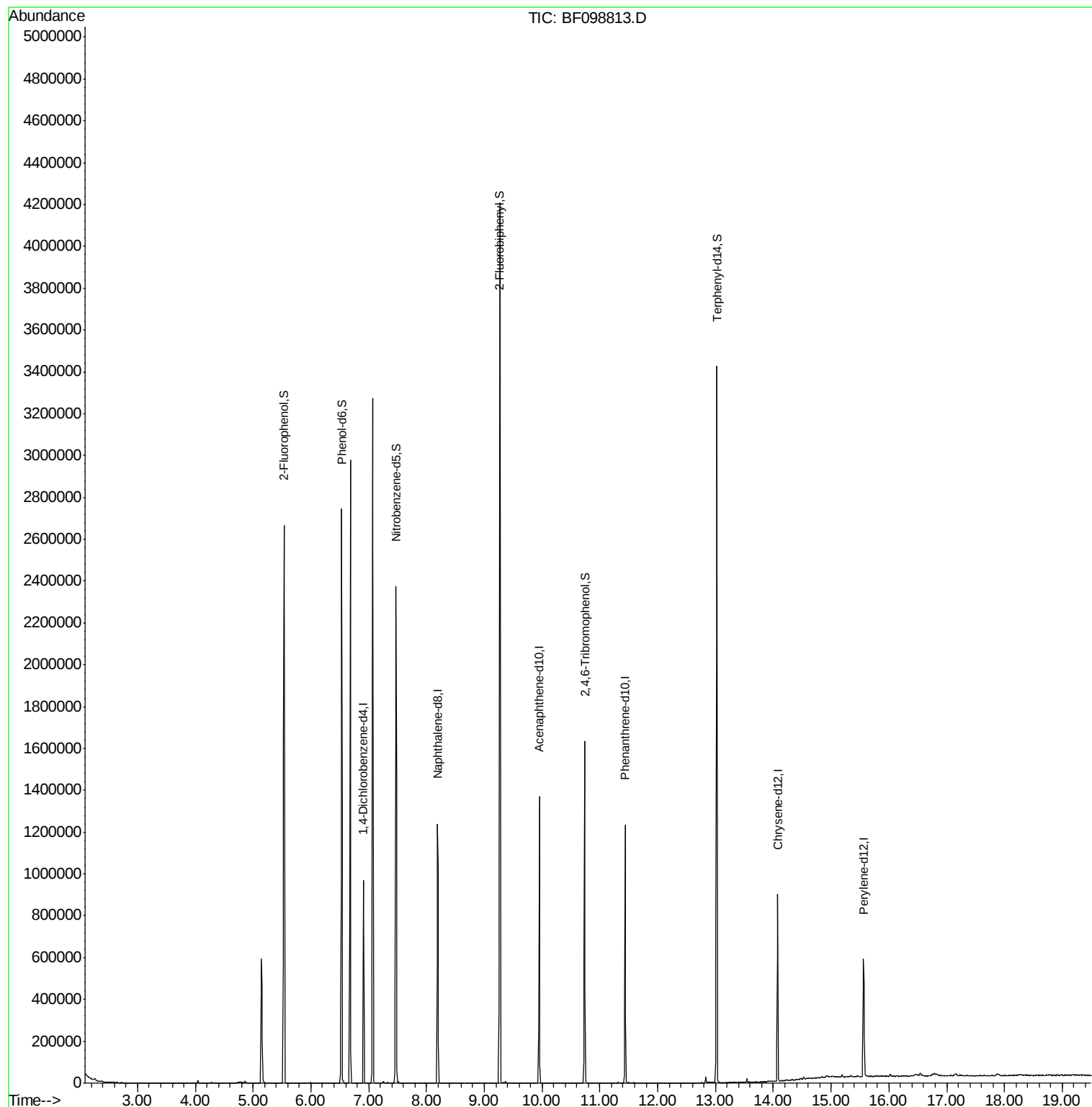
Target Compounds Qvalue

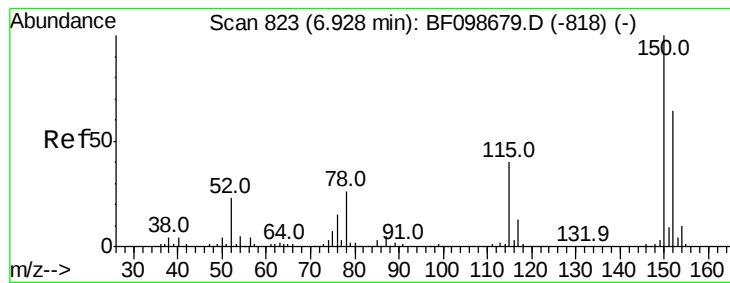
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

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BNA\_F

ClientSampleId :

PB102566BL

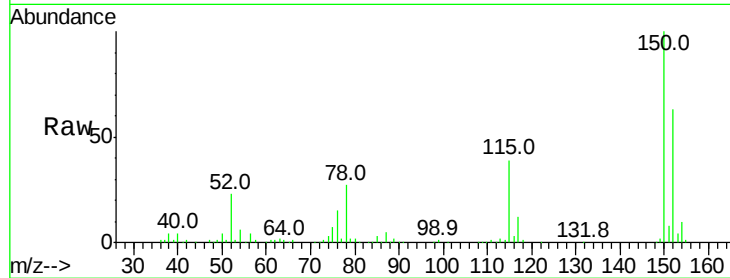
Tot Ion:152 Resp: 135126

Ion Ratio Lower Upper

152 100

150 159.8 124.6 186.8

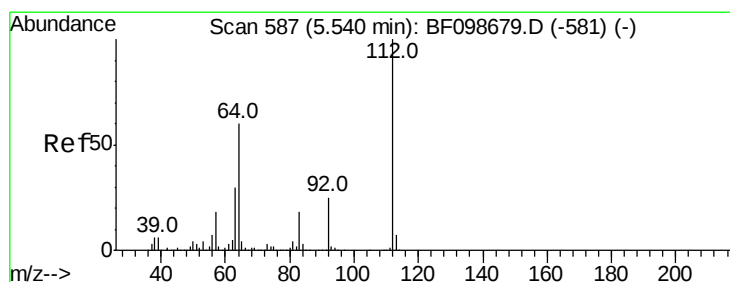
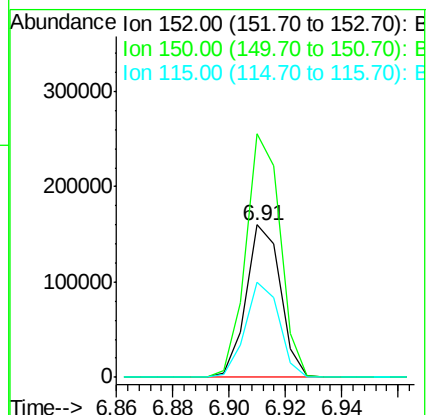
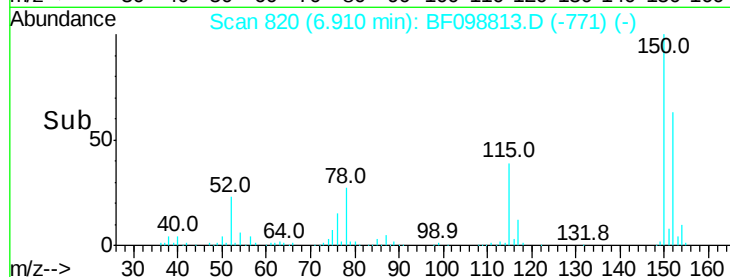
115 62.6 50.1 75.1



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: 95.124 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098813.D

Acq: 26 Sep 2017 6:10

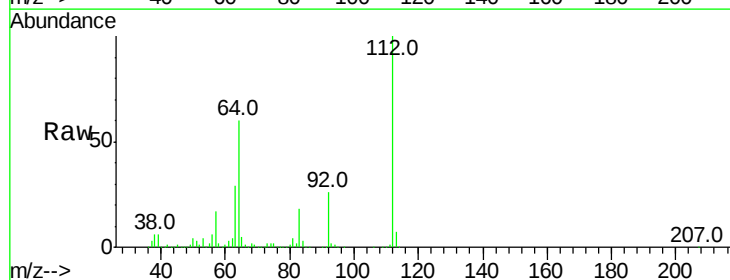
Tgt Ion:112 Resp: 807443

Ion Ratio Lower Upper

112 100

64 59.7 47.9 71.9

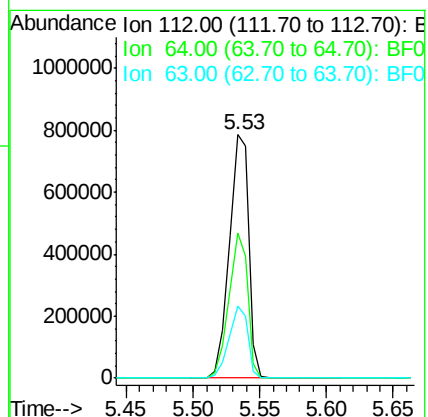
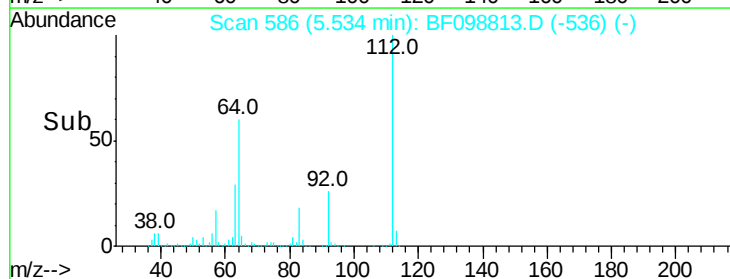
63 29.5 23.7 35.5



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: 92.200 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098813.D

Acq: 26 Sep 2017 6:10

Instrument :

BNA\_F

ClientSampleId :

PB102566BL

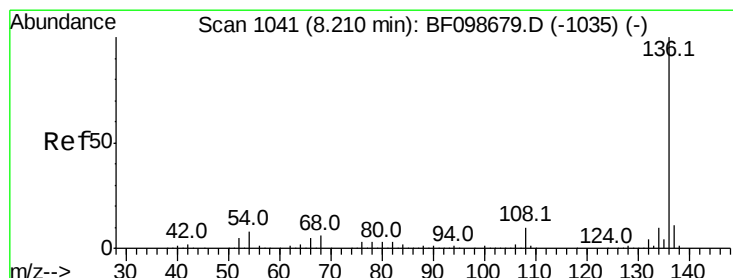
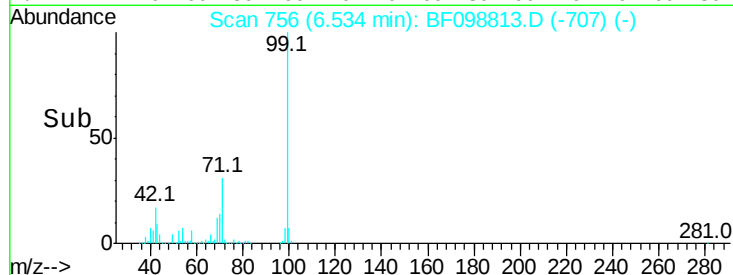
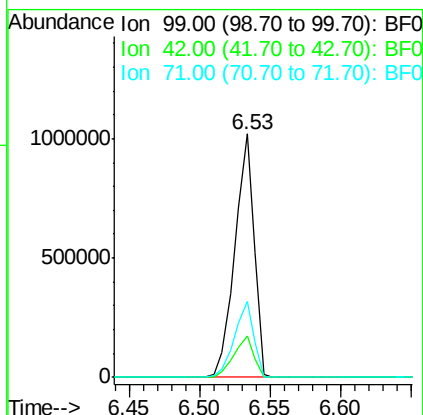
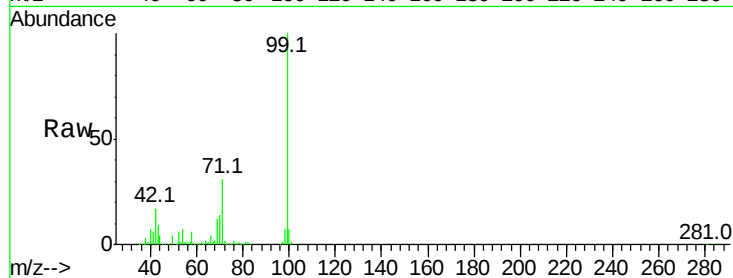
Tot Ion: 99 Resp: 965459

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

71 31.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098813.D

Acq: 26 Sep 2017 6:10

Tgt Ion: 136 Resp: 567950

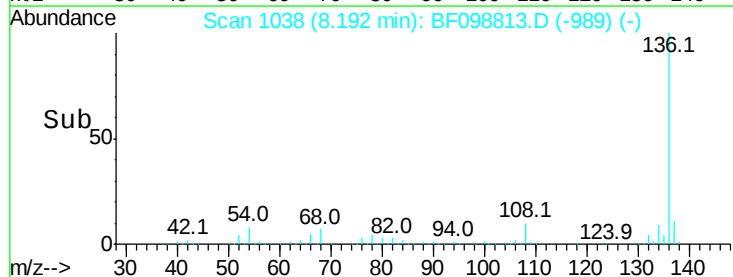
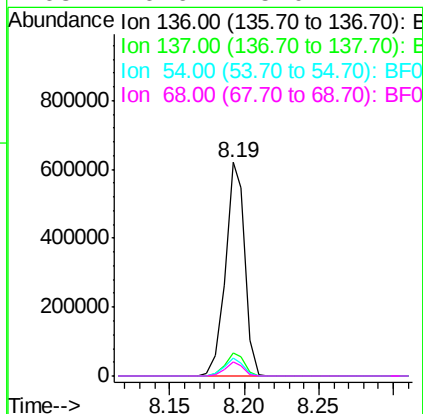
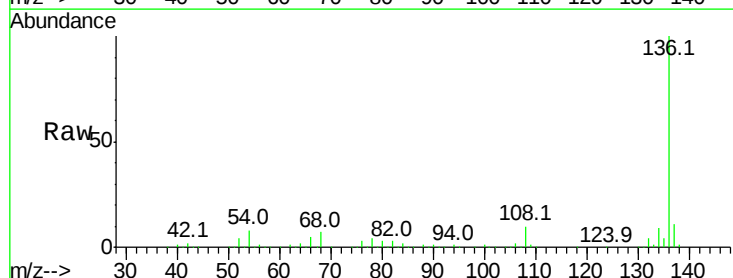
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 6.6 9.8

68 6.6 5.0 7.4

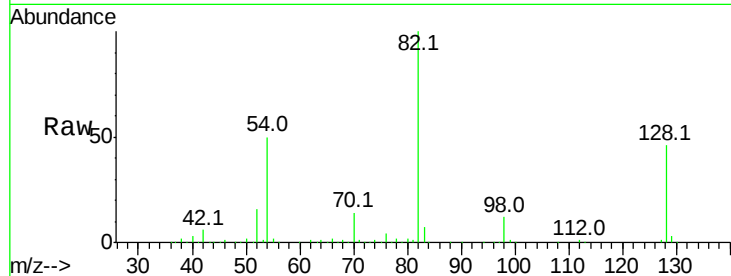




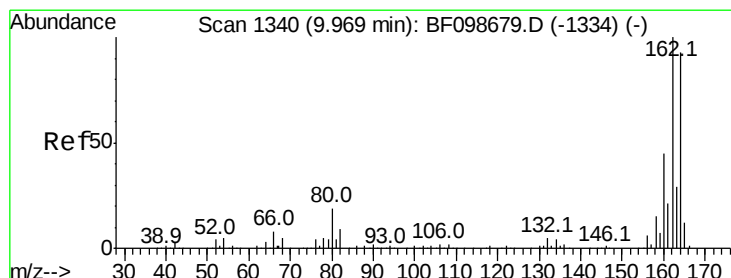
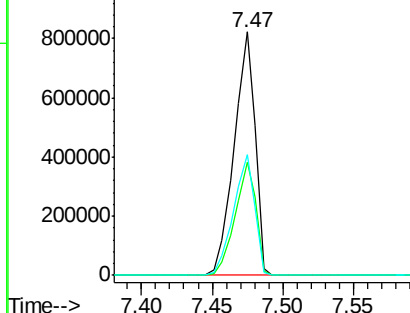
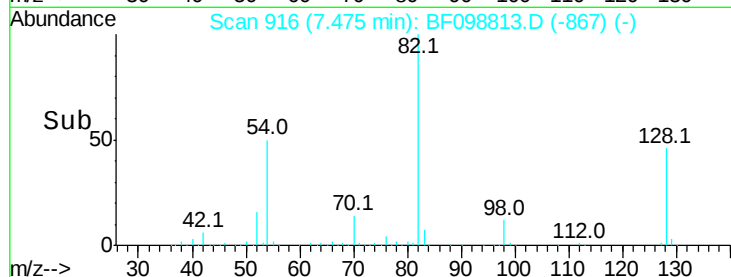
#23  
 Nitrobenzene-d5  
 Concen: 95.257 ng  
 RT: 7.47 min Scan# 916  
 Delta R.T. -0.01 min  
 Lab File: BF098813.D  
 Acq: 26 Sep 2017 6:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102566BL

Tot Ion: 82 Resp: 843613  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 36.1 54.1  
 54 49.5 41.4 62.2

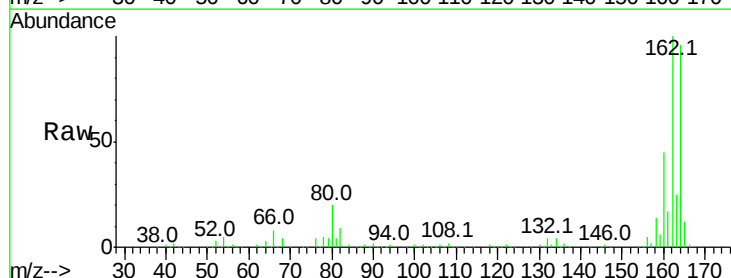


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF0

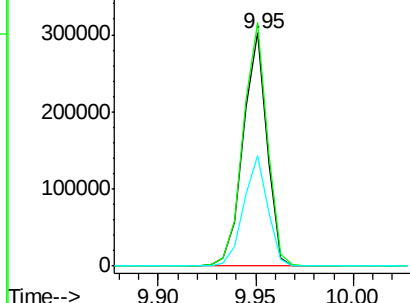
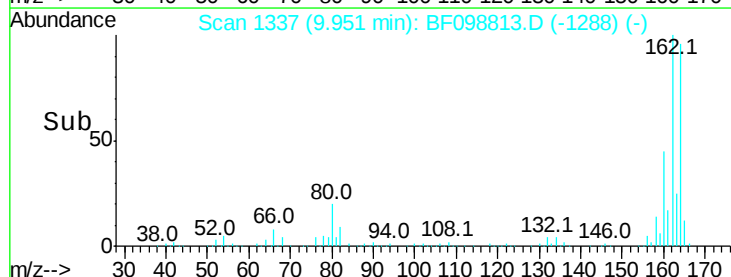


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: BF098813.D  
 Acq: 26 Sep 2017 6:10

Tgt Ion:164 Resp: 254171  
 Ion Ratio Lower Upper  
 164 100  
 162 104.6 86.1 129.1  
 160 47.2 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

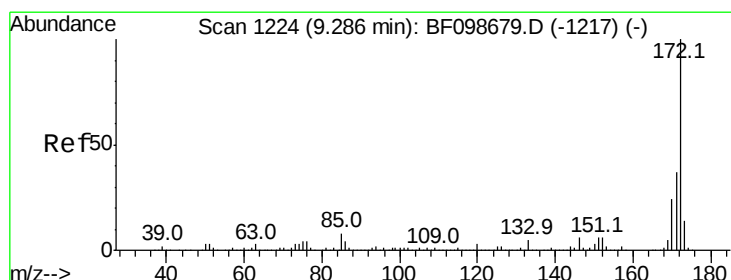
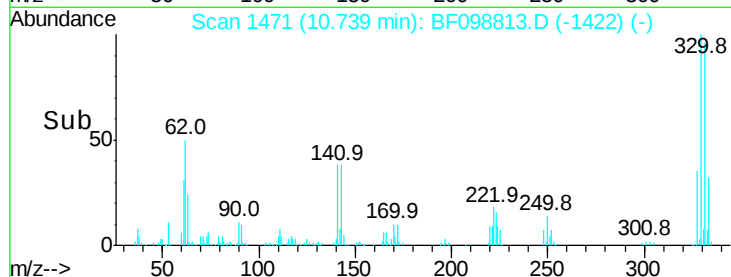
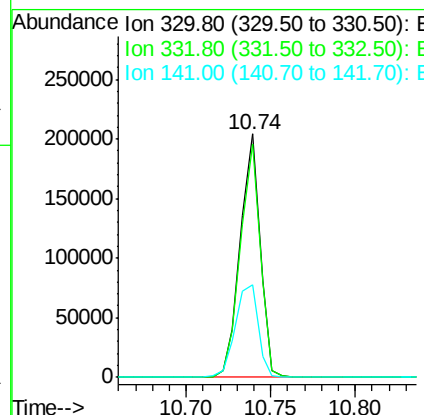
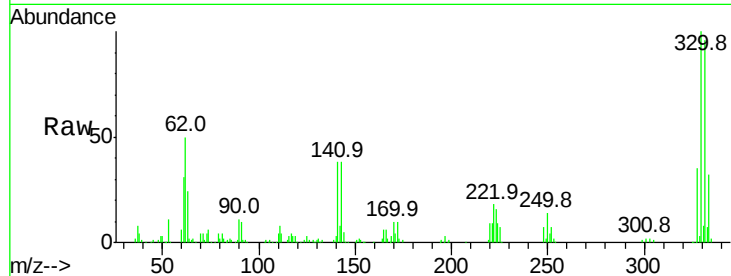




#41  
 2,4,6-Tribromophenol  
 Concen: 81.192 ng  
 RT: 10.74 min Scan# 1471  
 Delta R.T. -0.01 min  
 Lab File: BF098813.D  
 Acq: 26 Sep 2017 6:10

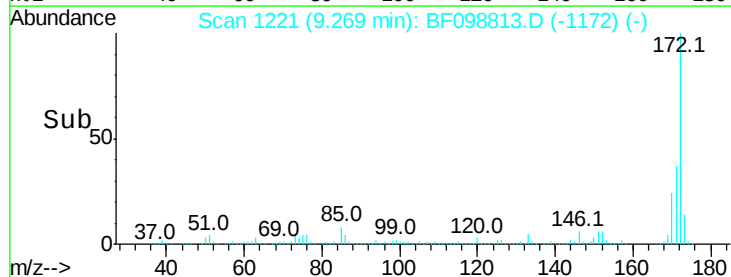
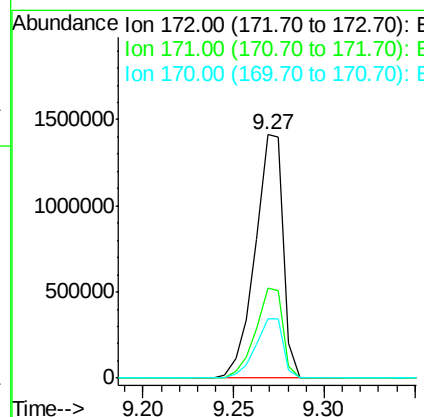
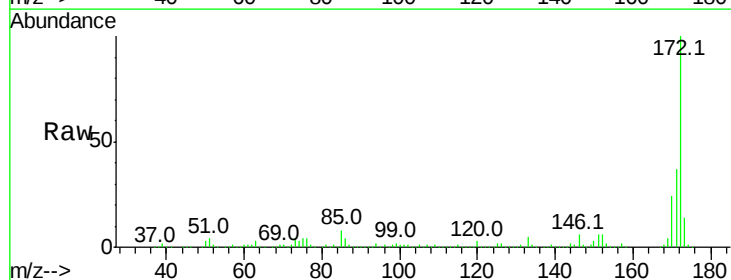
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB102566BL

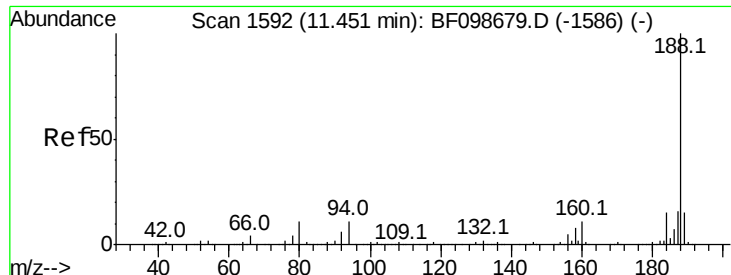
Tot Ion:330 Resp: 168864  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 43.5 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 99.786 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. -0.01 min  
 Lab File: BF098813.D  
 Acq: 26 Sep 2017 6:10

Tgt Ion:172 Resp: 1519256  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.7 44.5  
 170 24.3 19.6 29.4

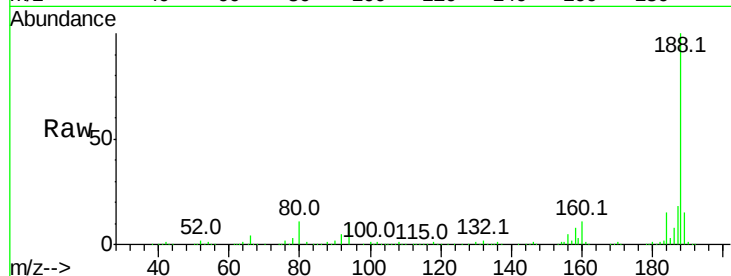




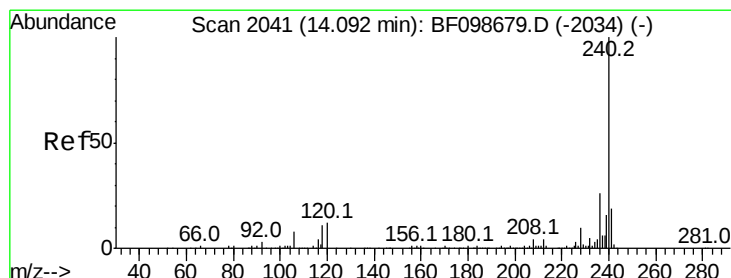
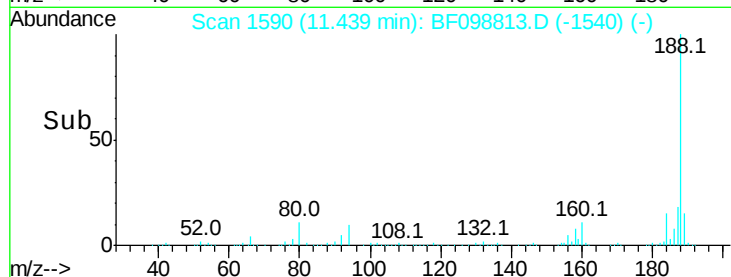
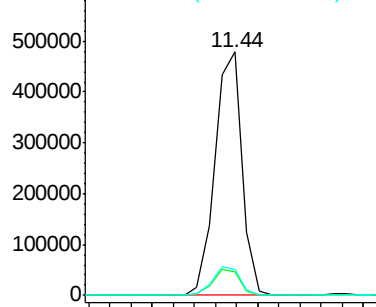
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. -0.01 min  
Lab File: BF098813.D  
Acq: 26 Sep 2017 6:10

Instrument :  
BNA\_F  
ClientSampleId :  
PB102566BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.7   | 8.5   | 12.7  |
| 80      | 10.8  | 9.2   | 13.8  |

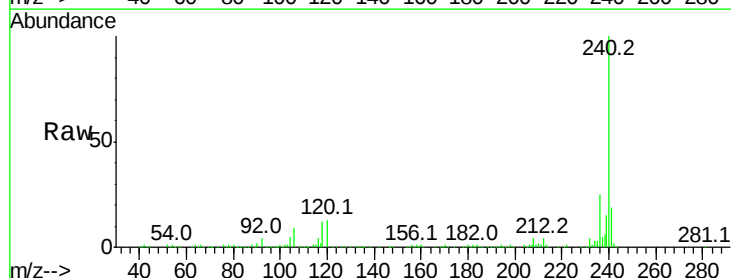


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

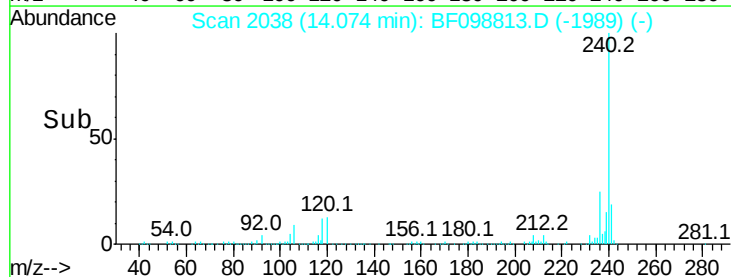
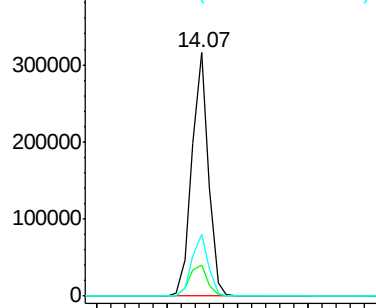


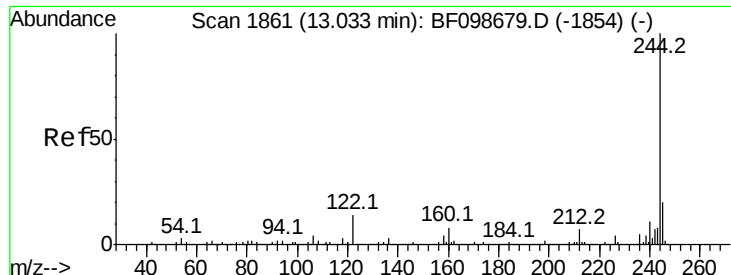
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. -0.01 min  
Lab File: BF098813.D  
Acq: 26 Sep 2017 6:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.8  | 9.5   | 14.3  |
| 236     | 25.4  | 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: 95.834 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098813.D

Acq: 26 Sep 2017 6:10

Instrument :

BNA\_F

ClientSampled :

PB102566BL

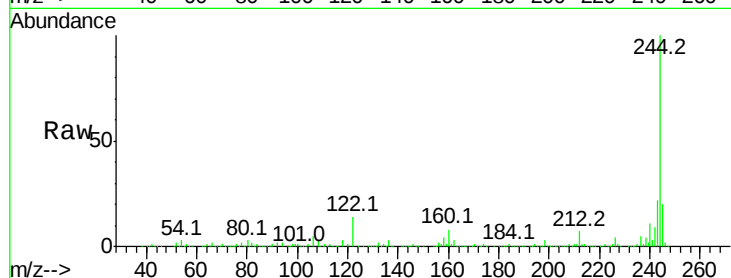
Tot Ion:244 Resp: 1084520

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

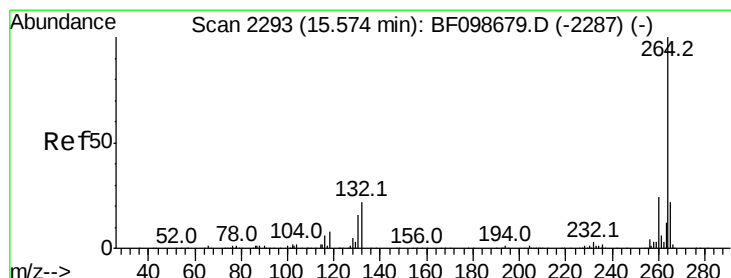
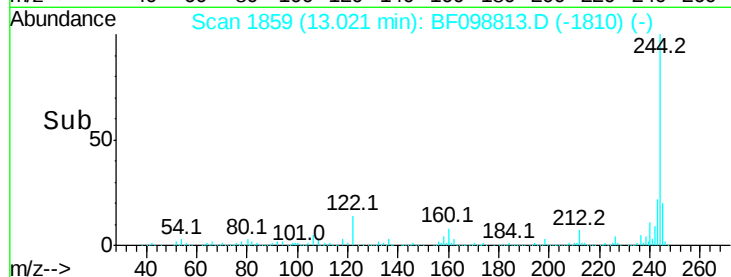
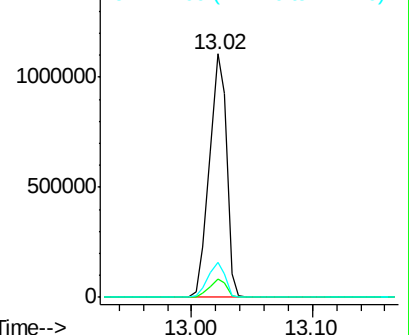
122 14.4 11.0 16.4



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: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF098813.D

Acq: 26 Sep 2017 6:10

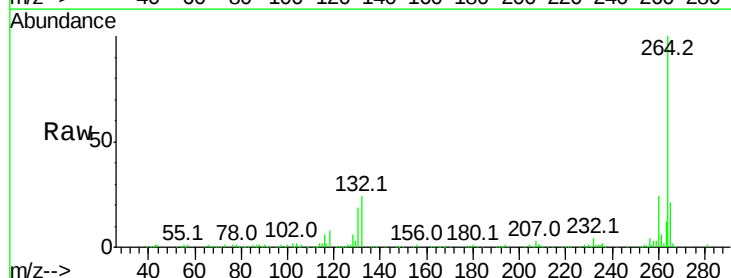
Tgt Ion:264 Resp: 238468

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.4 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

