

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071817\  
 Data File : BM010883.D  
 Acq On : 18 Jul 2017 22:42  
 Operator : SJ/JU  
 Sample : I4199-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3569-SPP4

Quant Time: Jul 19 01:05:29 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 182630   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.20 | 136  | 710975   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.09 | 164  | 424785   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 944136   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.06 | 240  | 1193633  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.19 | 264  | 1192083  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 549029   | 49.80  | ng    | 0.00     |
| 7) Phenol-d6                | 6.63  | 99   | 453422   | 29.83  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.59  | 82   | 1631704  | 88.22  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 771722   | 118.88 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 3184890  | 93.27  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.50 | 244  | 4720846  | 76.49  | ng    | 0.00     |

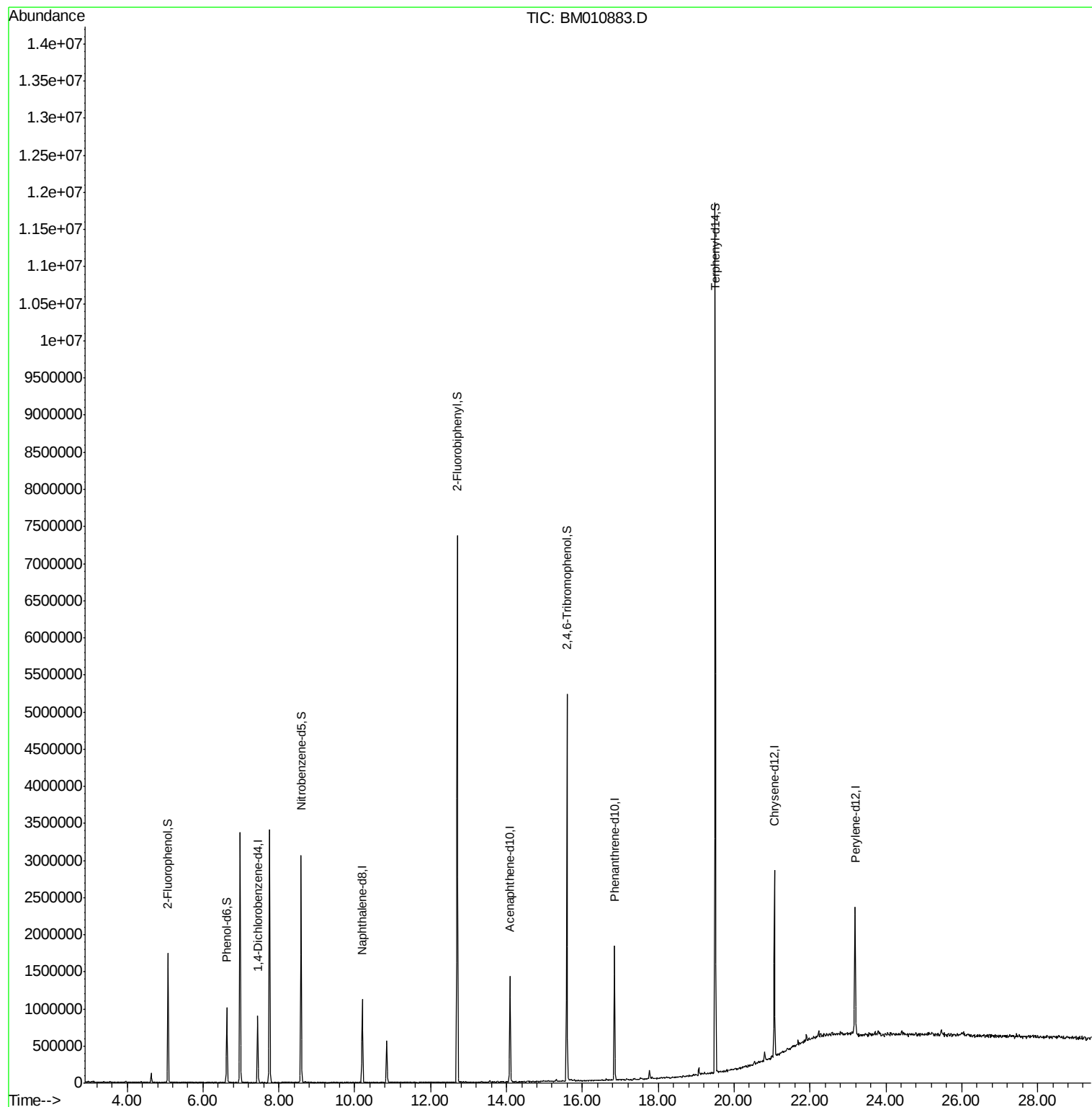
Target Compounds Qvalue

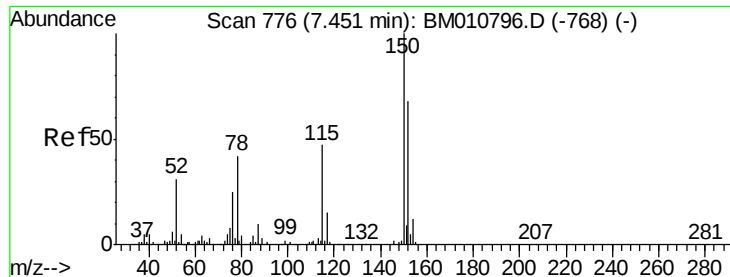
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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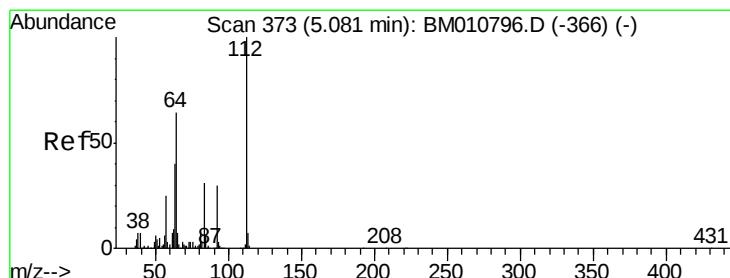
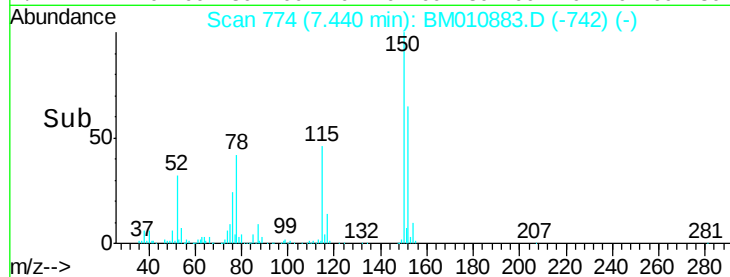
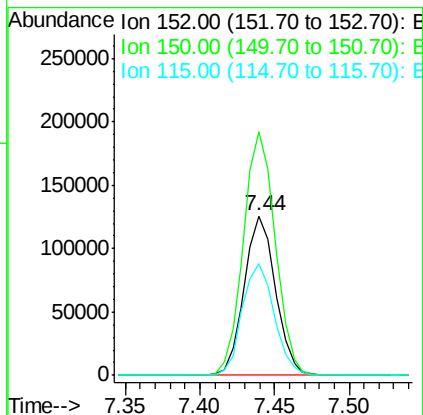
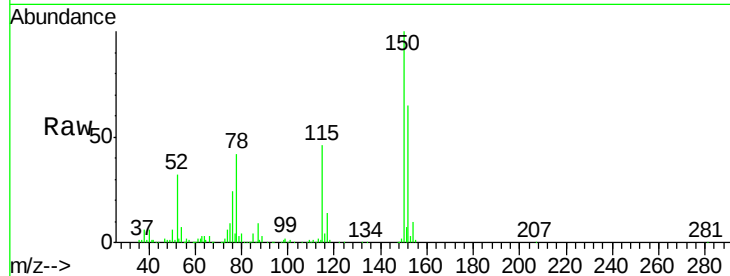


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010883.D  
Acq: 18 Jul 2017 22:42

Instrument :  
BNA\_M  
ClientSampleId :  
3569-SPP4

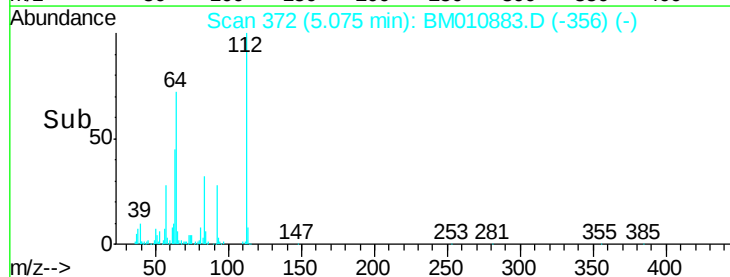
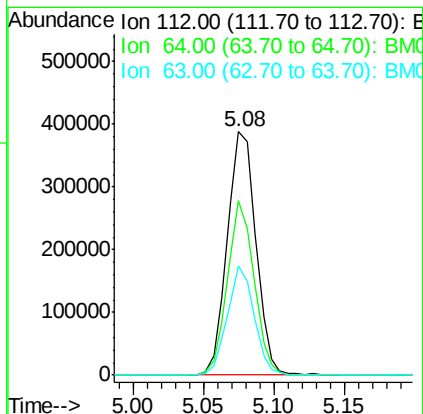
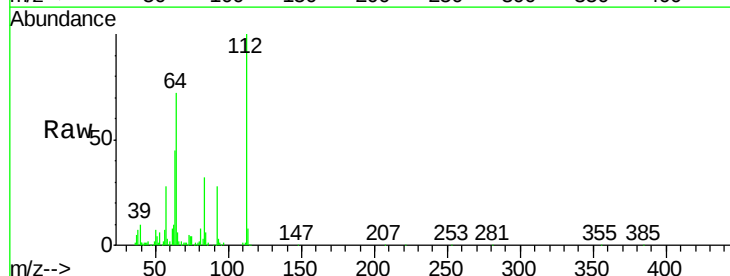
Tot Ion:152 Resp: 182630  
Ion Ratio Lower Upper  
152 100  
150 152.8 119.5 179.3  
115 70.0 43.0 64.4#

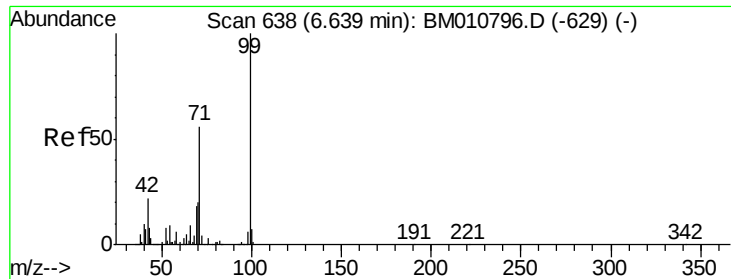


#5

2-Fluorophenol  
Concen: 49.80 ng  
RT: 5.08 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: BM010883.D  
Acq: 18 Jul 2017 22:42

Tgt Ion:112 Resp: 549029  
Ion Ratio Lower Upper  
112 100  
64 71.8 38.6 57.8#  
63 44.6 19.3 28.9#





#7

Phenol-d6

Concen: 29.83 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010883.D

Acq: 18 Jul 2017 22:42

Instrument :

BNA\_M

ClientSampleId :

3569-SPP4

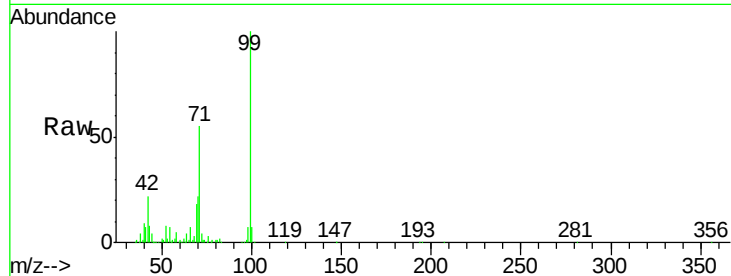
Tot Ion: 99 Resp: 453422

Ion Ratio Lower Upper

99 100

42 21.6 11.0 16.4#

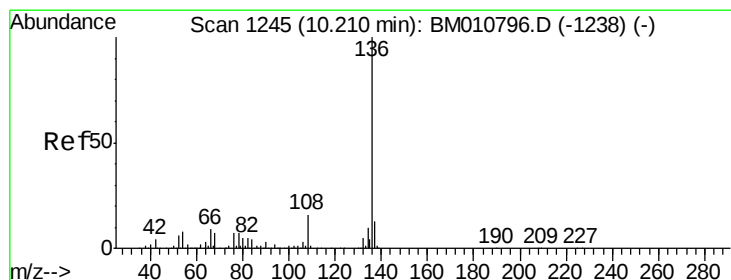
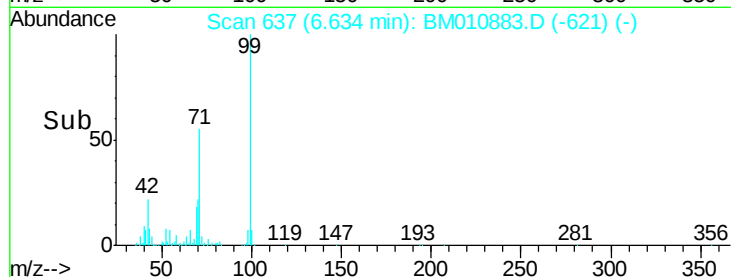
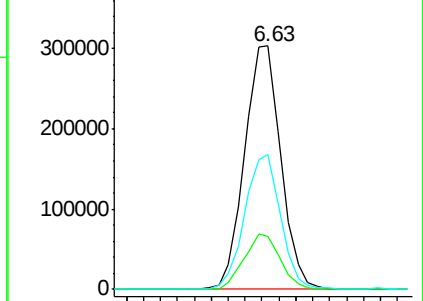
71 55.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010796.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010796.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010796.D (-629) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM010883.D

Acq: 18 Jul 2017 22:42

Tgt Ion: 136 Resp: 710975

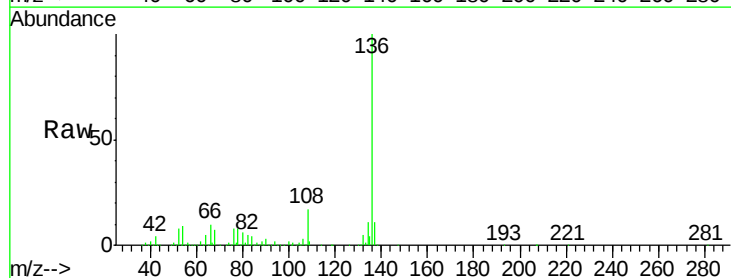
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.7 4.6 6.8#

68 7.4 3.7 5.5#

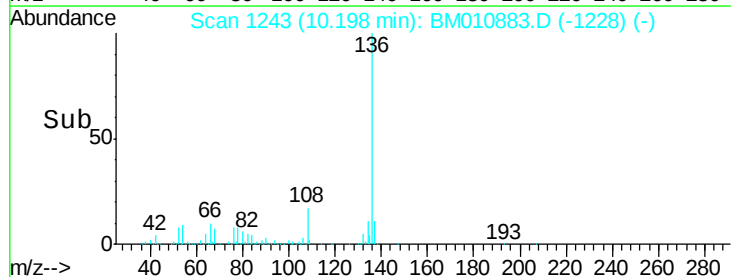
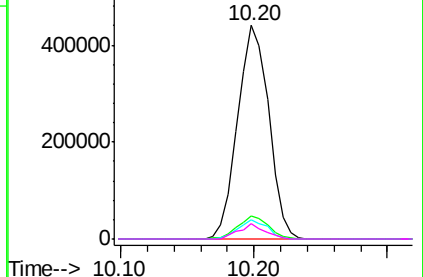


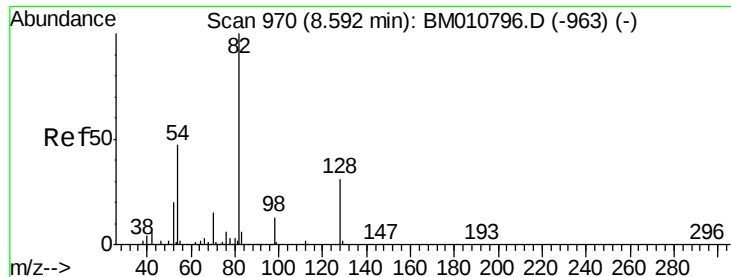
Abundance Ion 136.00 (135.70 to 136.70): BM010796.D (-1238) (-)

Ion 137.00 (136.70 to 137.70): BM010796.D (-1238) (-)

Ion 54.00 (53.70 to 54.70): BM010796.D (-1238) (-)

Ion 68.00 (67.70 to 68.70): BM010796.D (-1238) (-)



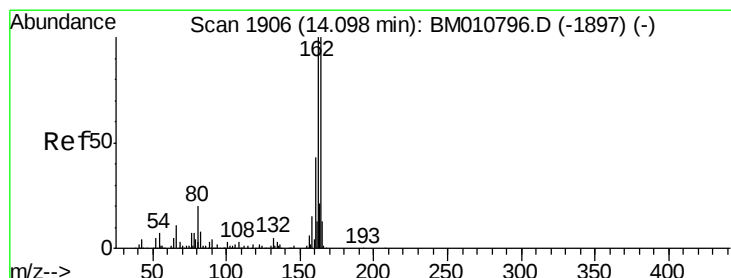
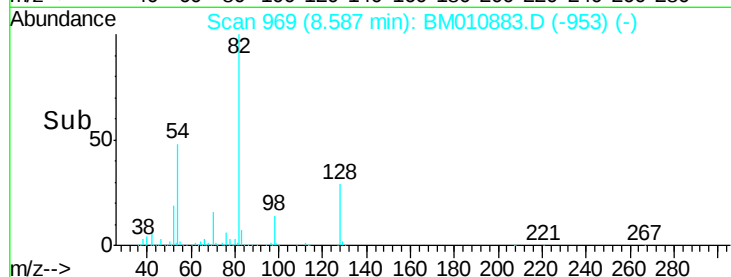
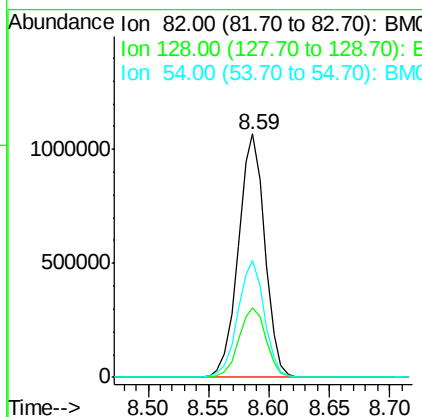
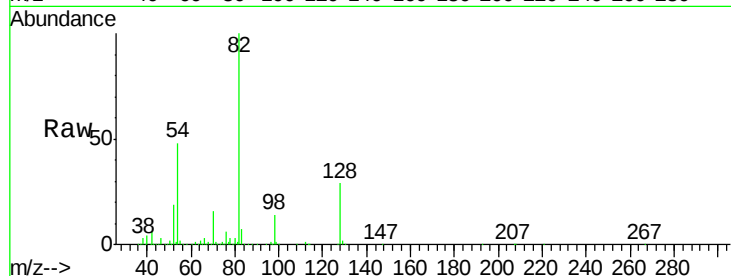


#23  
 Nitrobenzene-d5  
 Concen: 88.22 ng  
 RT: 8.59 min Scan# 969  
 Delta R.T. -0.01 min  
 Lab File: BM010883.D  
 Acq: 18 Jul 2017 22:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3569-SPP4

Tot Ion: 82 Resp: 1631704  

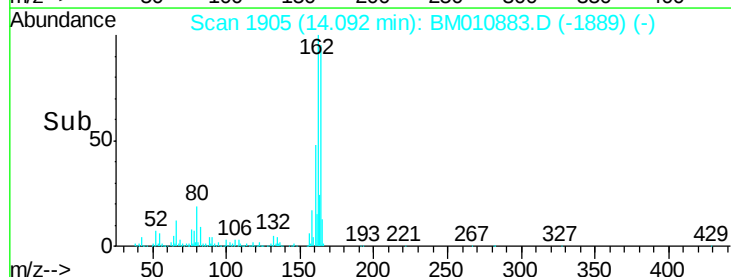
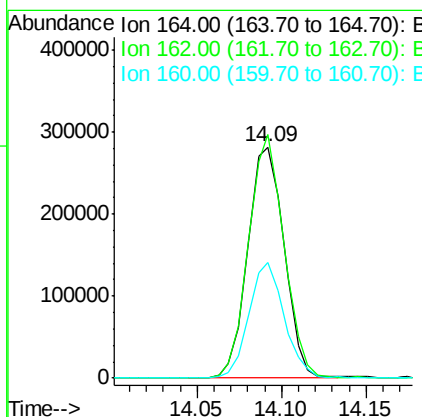
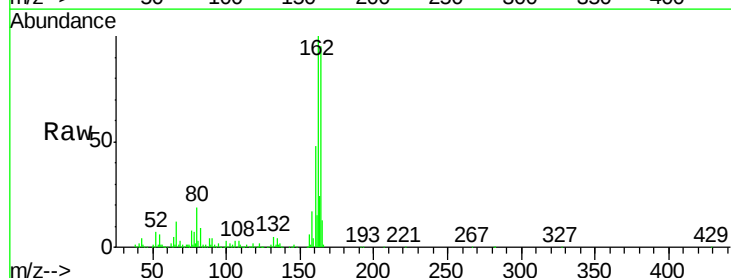
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 28.7  | 32.8  | 49.2# |
| 54  | 48.2  | 40.6  | 60.8  |

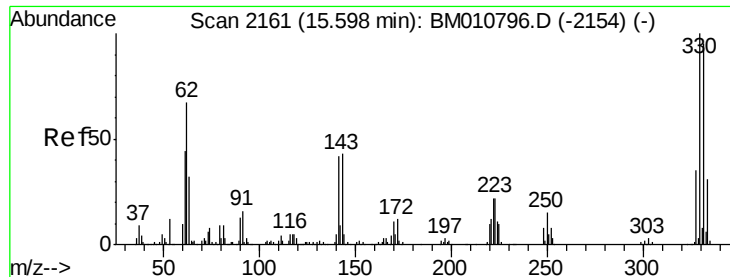


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.09 min Scan# 1905  
 Delta R.T. -0.01 min  
 Lab File: BM010883.D  
 Acq: 18 Jul 2017 22:42

Tgt Ion: 164 Resp: 424785  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 105.5 | 82.4  | 123.6 |
| 160 | 50.3  | 35.8  | 53.6  |





#41

2,4,6-Tribromophenol

Concen: 118.88 ng

RT: 15.59 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM010883.D

Acq: 18 Jul 2017 22:42

Instrument :

BNA\_M

ClientSampleId :

3569-SPP4

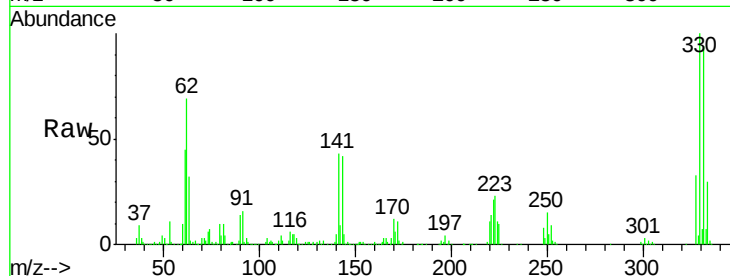
Tot Ion:330 Resp: 771722

Ion Ratio Lower Upper

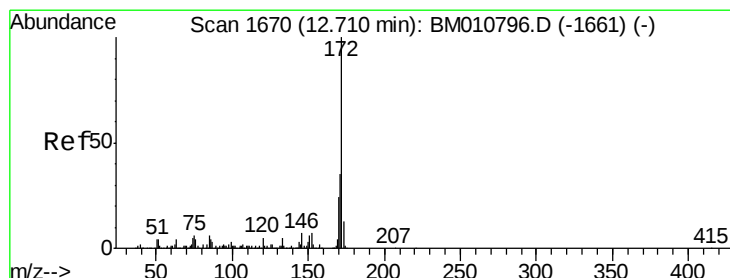
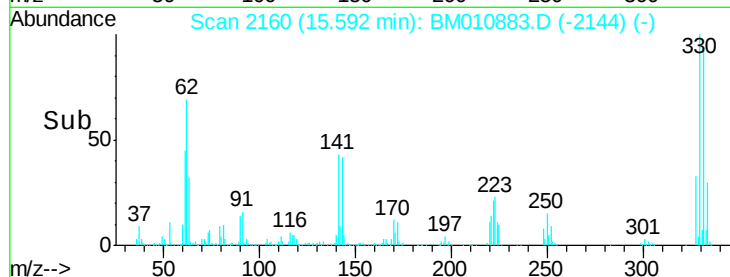
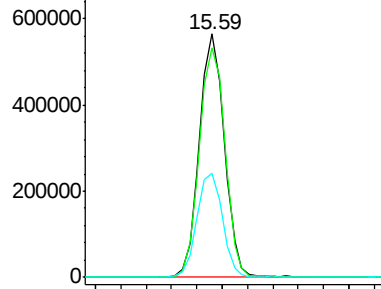
330 100

332 97.4 0.0 0.0#

141 43.7 0.0 0.0#



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: 93.27 ng

RT: 12.70 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BM010883.D

Acq: 18 Jul 2017 22:42

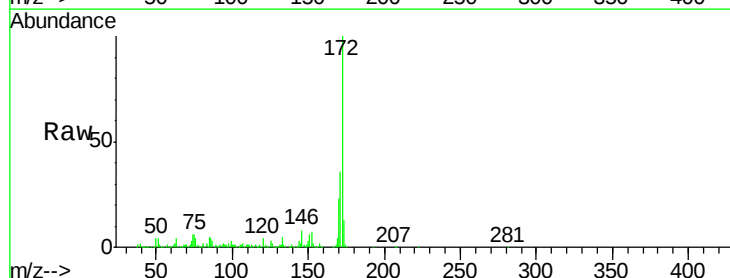
Tgt Ion:172 Resp: 3184890

Ion Ratio Lower Upper

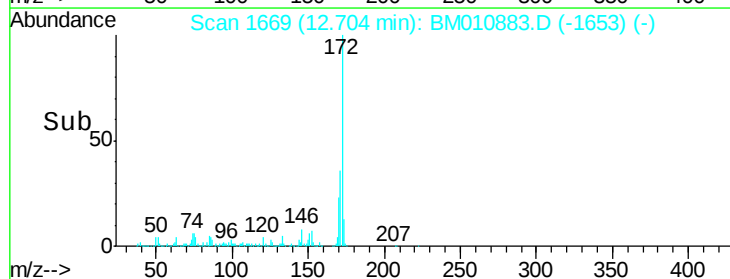
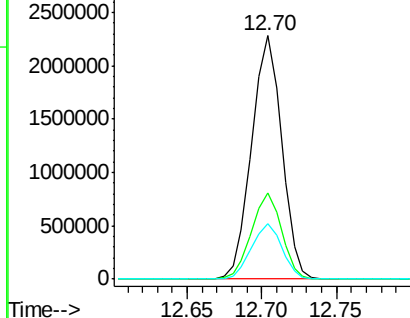
172 100

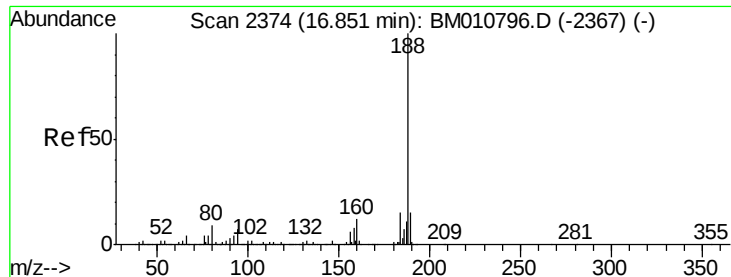
171 35.6 28.5 42.7

170 22.8 18.8 28.2



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

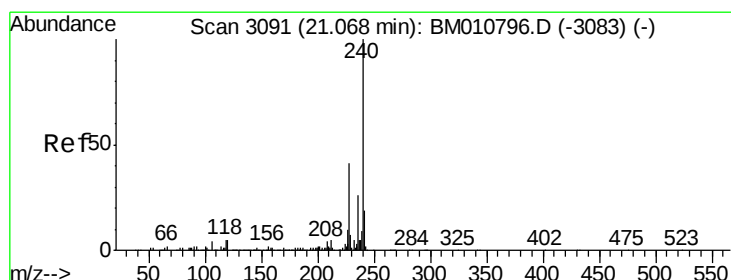
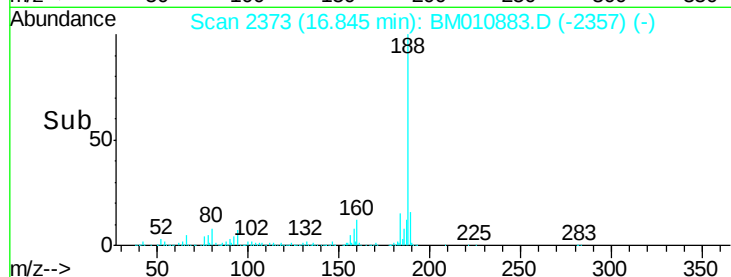
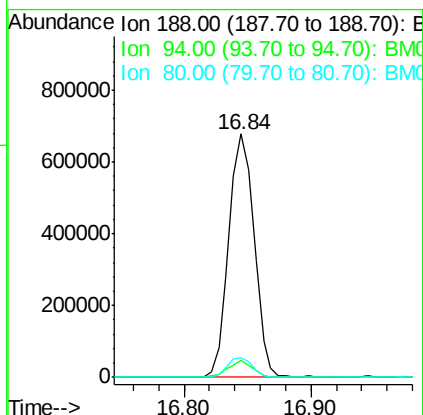
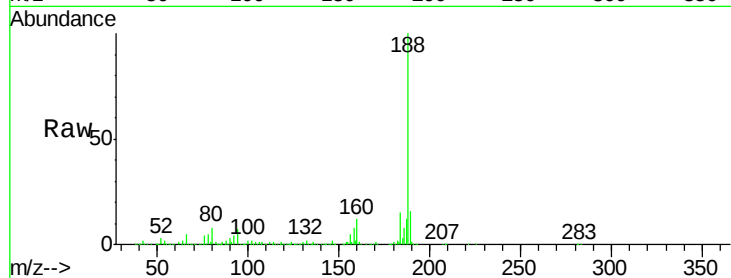




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.84 min Scan# 2373  
Delta R.T. -0.01 min  
Lab File: BM010883.D  
Acq: 18 Jul 2017 22:42

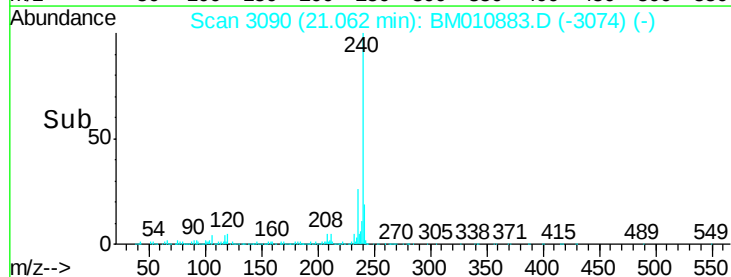
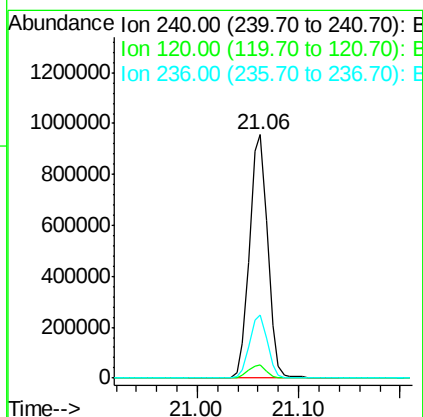
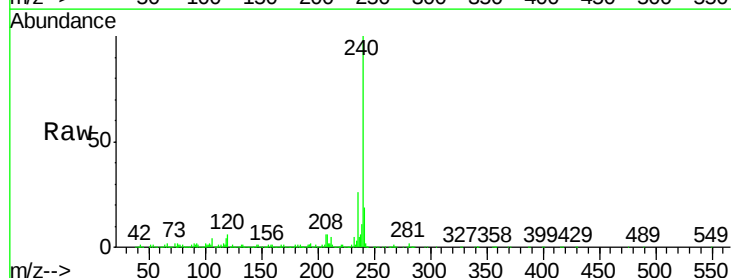
Instrument :  
BNA\_M  
ClientSampleId :  
3569-SPP4

Tot Ion:188 Resp: 944136  
Ion Ratio Lower Upper  
188 100  
94 7.0 8.7 13.1#  
80 8.0 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.06 min Scan# 3090  
Delta R.T. -0.01 min  
Lab File: BM010883.D  
Acq: 18 Jul 2017 22:42

Tgt Ion:240 Resp: 1193633  
Ion Ratio Lower Upper  
240 100  
120 5.5 8.2 12.2#  
236 26.1 20.0 30.0

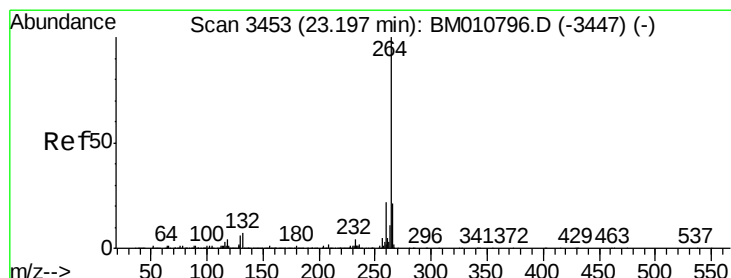
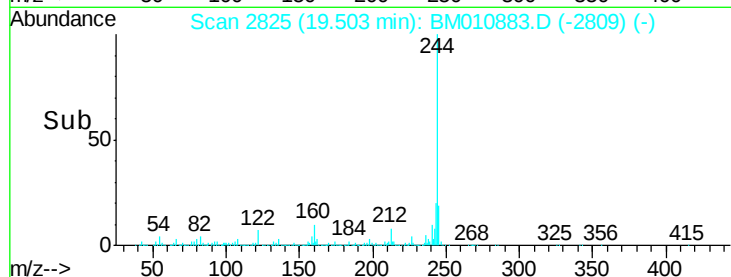
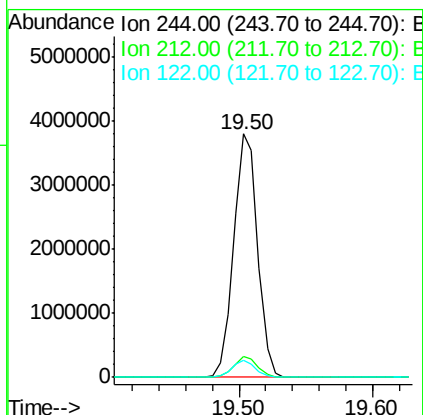
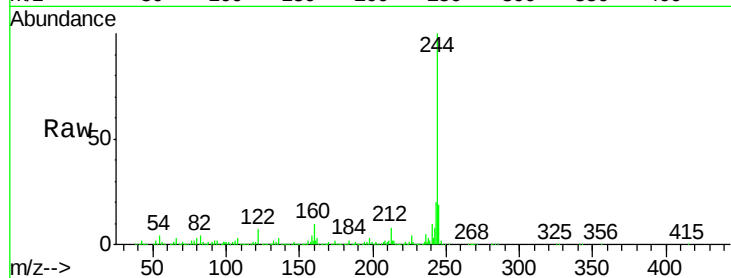




#78  
 Terphenyl-d14  
 Concen: 76.49 ng  
 RT: 19.50 min Scan# 2825  
 Delta R.T. -0.01 min  
 Lab File: BM010883.D  
 Acq: 18 Jul 2017 22:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3569-SPP4

Tot Ion:244 Resp: 4720846  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 4.9 7.3#  
 122 6.9 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.19 min Scan# 3452  
 Delta R.T. -0.01 min  
 Lab File: BM010883.D  
 Acq: 18 Jul 2017 22:42

Tgt Ion:264 Resp: 1192083  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 18.6 27.8  
 265 20.3 17.3 25.9

