

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020818\  
 Data File : BM014192.D  
 Acq On : 08 Feb 2018 14:35  
 Operator : SJ/JU  
 Sample : J1455-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LW-01-OW

Quant Time: Feb 09 08:28:53 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 17:16:49 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 111533   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.32 | 136  | 465602   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.20 | 164  | 353921   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.96 | 188  | 773008   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.16 | 240  | 698197   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.34 | 264  | 602816   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.16  | 112  | 406001   | 63.45  | ng    | 0.00     |
| 7) Phenol-d6                | 6.73  | 99   | 320926   | 35.41  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.70  | 82   | 1078649  | 103.48 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.70 | 330  | 686104   | 136.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.81 | 172  | 2544706  | 89.75  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.60 | 244  | 3973701  | 111.21 | ng    | 0.00     |

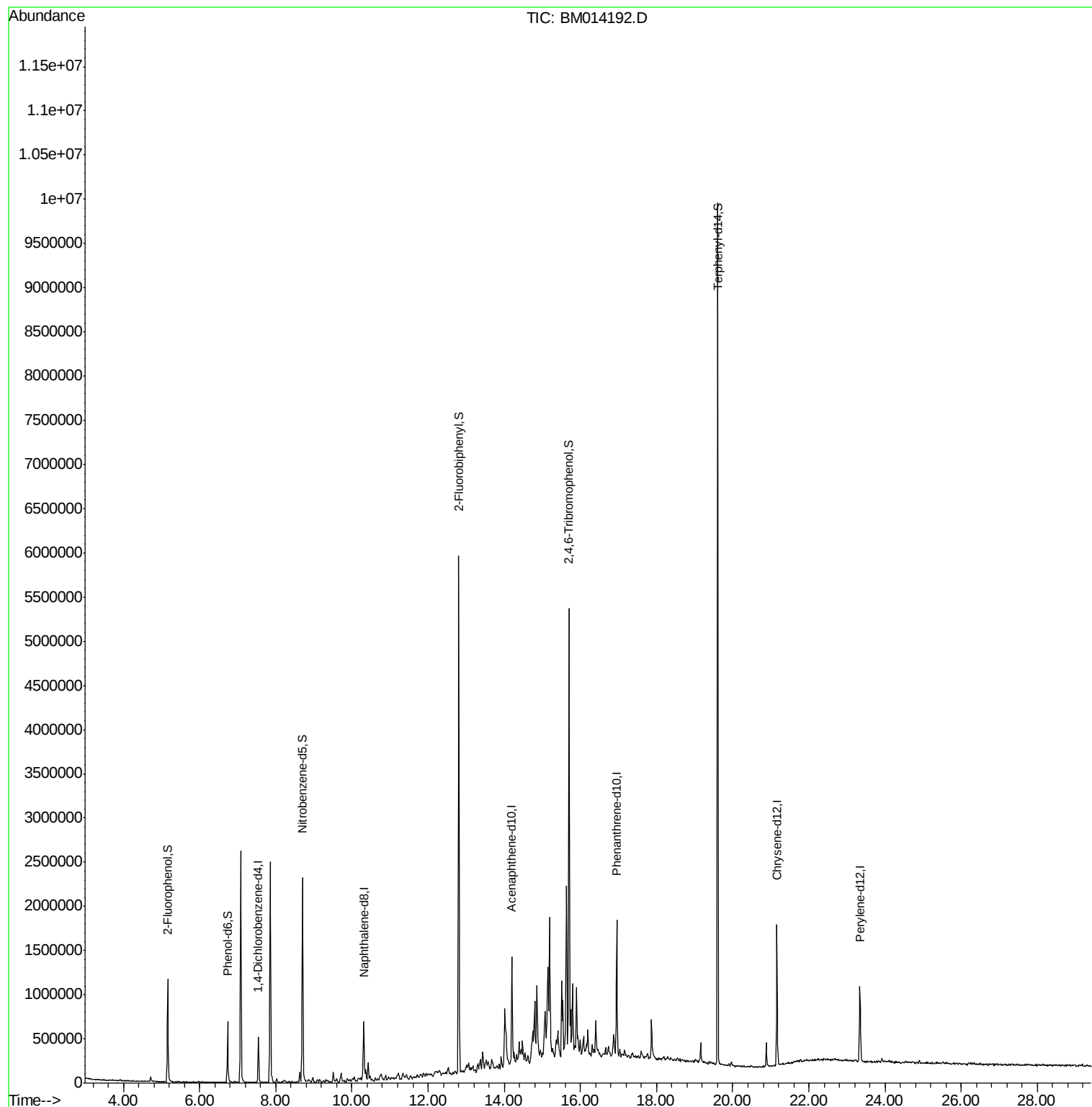
Target Compounds Qvalue

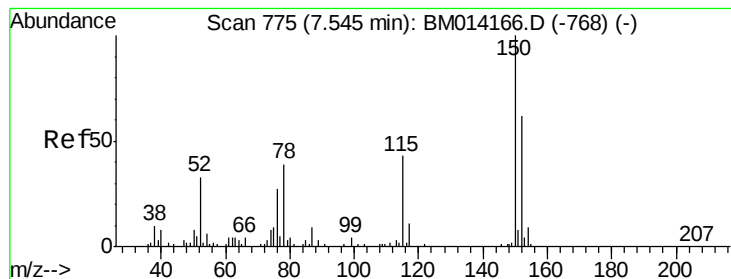
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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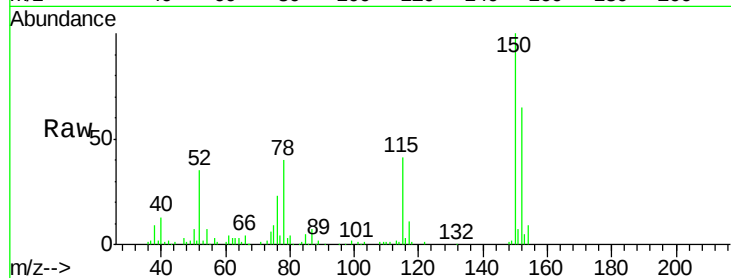


#1

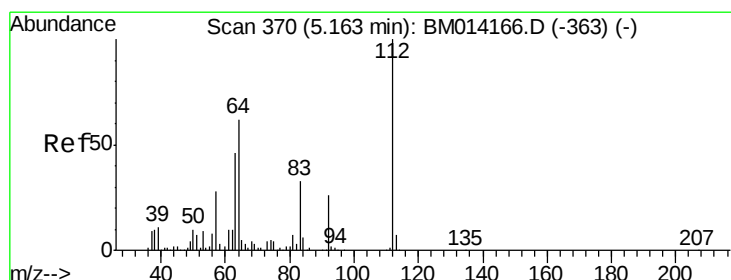
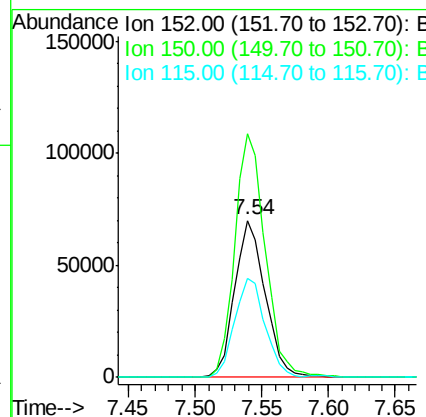
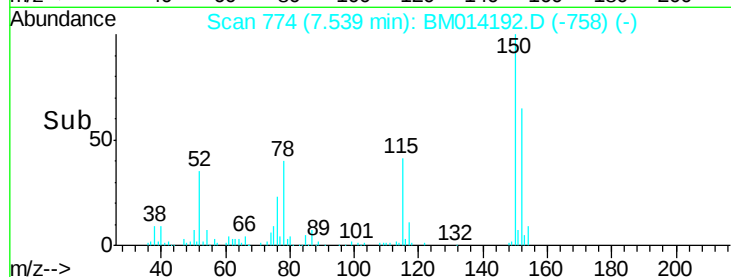
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.54 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

Instrument :  
BNA\_M  
ClientSampleId :  
LW-01-OW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 119.5 | 179.3 |
| 115     | 63.3  | 43.0  | 64.4  |



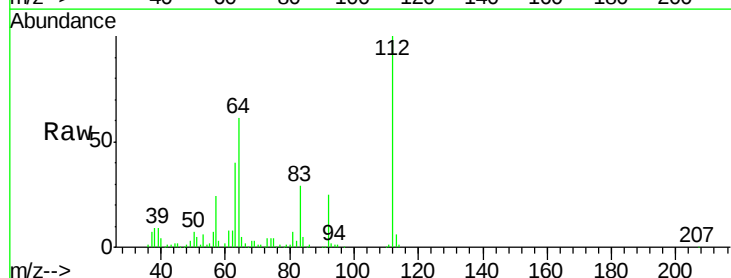
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



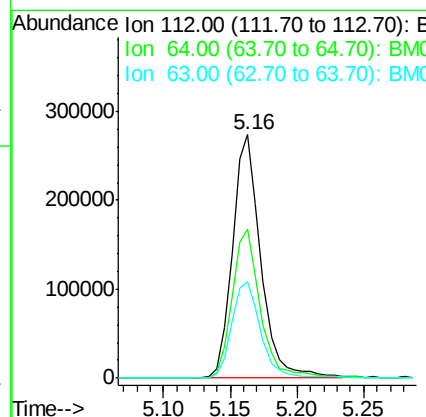
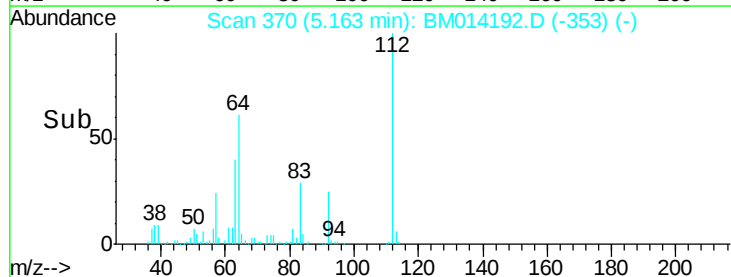
#5

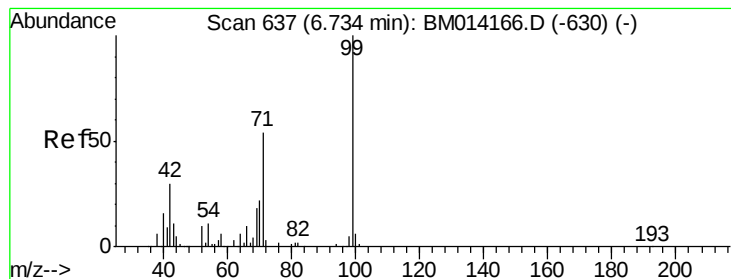
2-Fluorophenol  
Concen: 63.448 ng  
RT: 5.16 min Scan# 370  
Delta R.T. 0.00 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.9  | 38.6  | 57.8# |
| 63      | 39.9  | 19.3  | 28.9# |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 35.412 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014192.D

Acq: 08 Feb 2018 14:35

Instrument :

BNA\_M

ClientSampled :

LW-01-OW

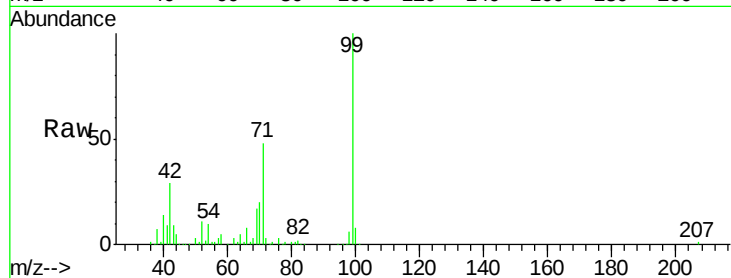
Tot Ion: 99 Resp: 320926

Ion Ratio Lower Upper

99 100

42 29.0 11.0 16.4#

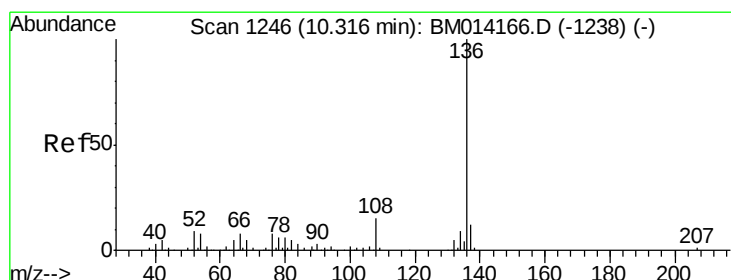
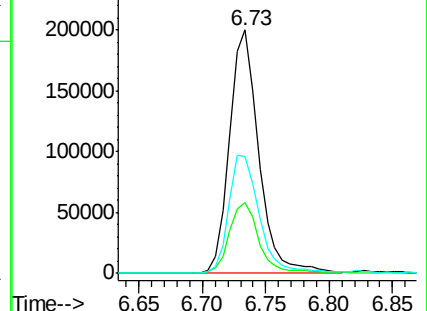
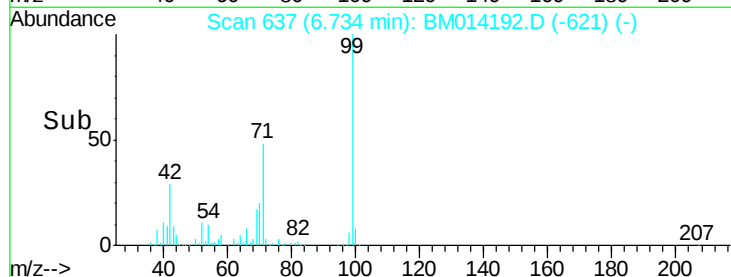
71 48.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM014166.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM014166.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM014166.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BM014192.D

Acq: 08 Feb 2018 14:35

Tgt Ion: 136 Resp: 465602

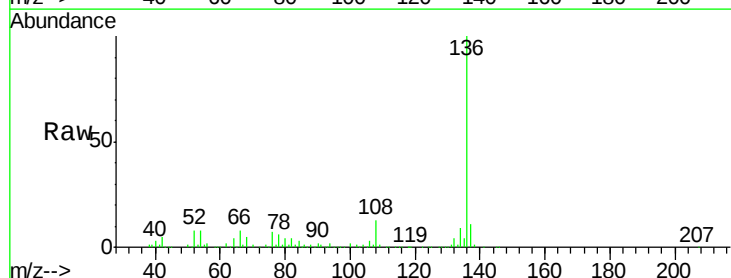
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 8.1 4.6 6.8#

68 5.3 3.7 5.5

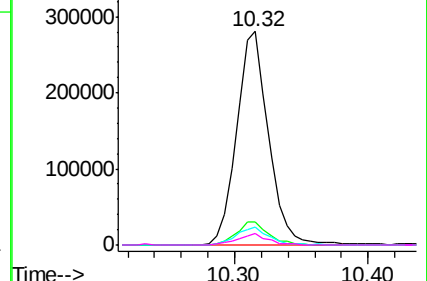
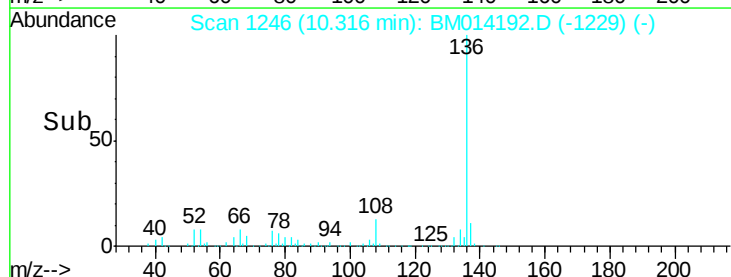


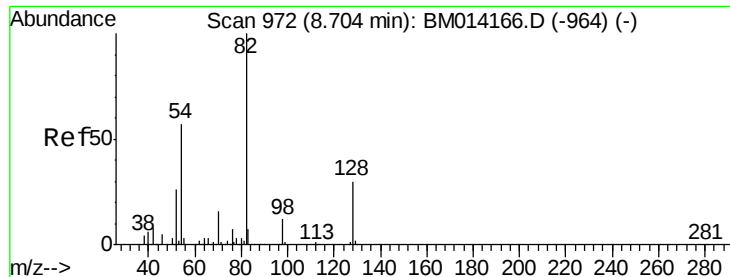
Abundance Ion 136.00 (135.70 to 136.70): BM014166.D (-1238) (-)

Ion 137.00 (136.70 to 137.70): BM014166.D (-1238) (-)

Ion 54.00 (53.70 to 54.70): BM014166.D (-1238) (-)

Ion 68.00 (67.70 to 68.70): BM014166.D (-1238) (-)

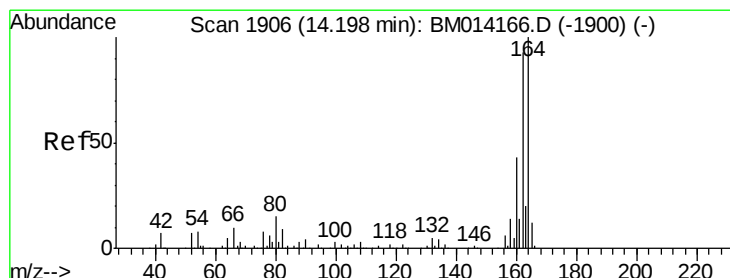
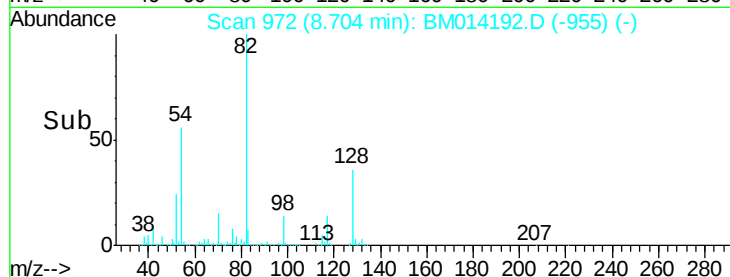
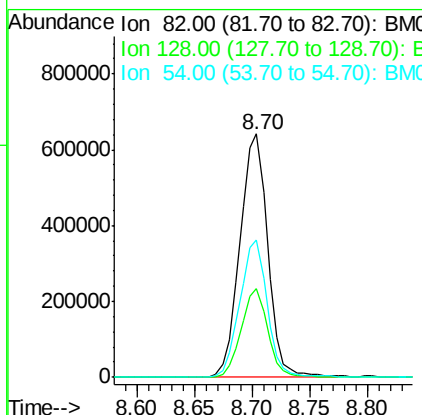
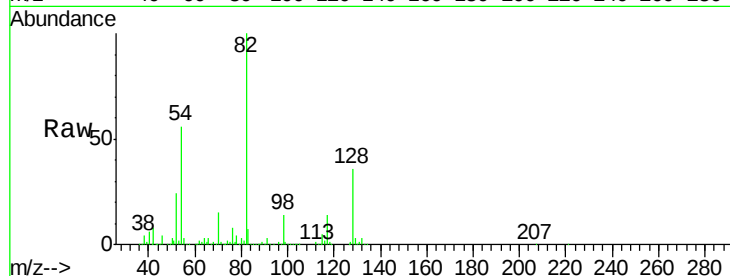




#23  
Nitrobenzene-d5  
Concen: 103.480 ng  
RT: 8.70 min Scan# 972  
Delta R.T. -0.00 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

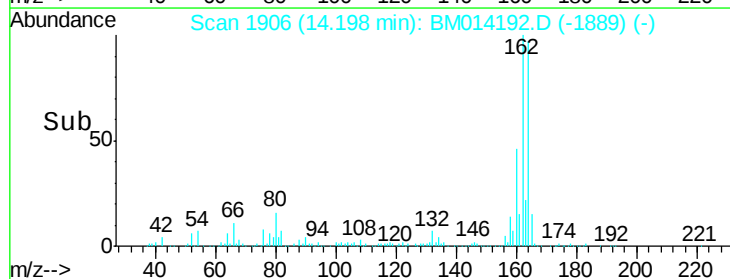
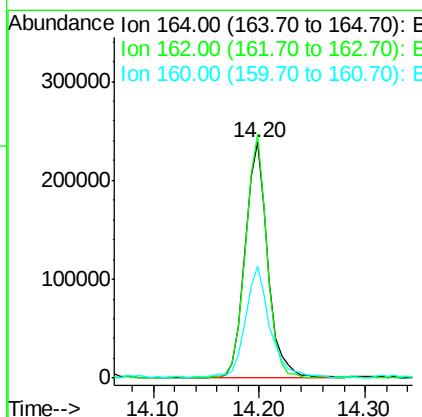
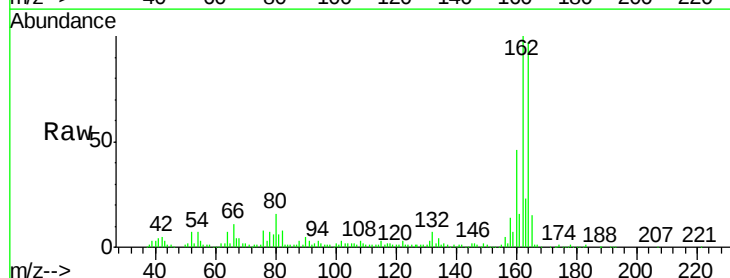
Instrument :  
BNA\_M  
ClientSampleId :  
LW-01-OW

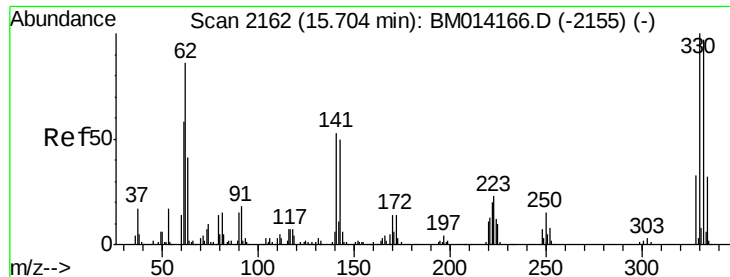
Tot Ion: 82 Resp: 1078649  
Ion Ratio Lower Upper  
82 100  
128 36.2 32.8 49.2  
54 56.3 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.20 min Scan# 1906  
Delta R.T. -0.00 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

Tgt Ion: 164 Resp: 353921  
Ion Ratio Lower Upper  
164 100  
162 103.3 82.4 123.6  
160 47.3 35.8 53.6

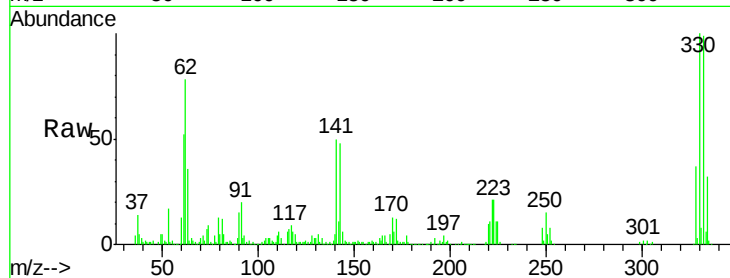




#41  
 2,4,6-Tribromophenol  
 Concen: 136.618 ng  
 RT: 15.70 min Scan# 2162  
 Delta R.T. -0.00 min  
 Lab File: BM014192.D  
 Acq: 08 Feb 2018 14:35

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LW-01-OW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 0.0   | 0.0#  |
| 141     | 52.0  | 0.0   | 0.0#  |

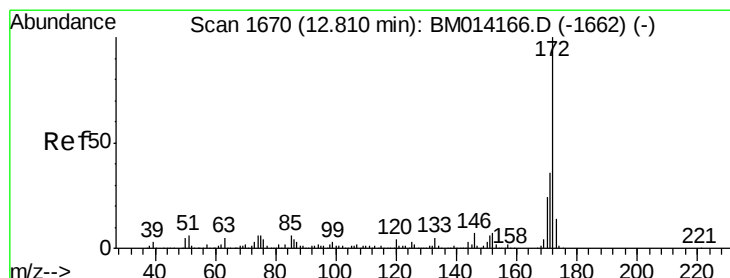
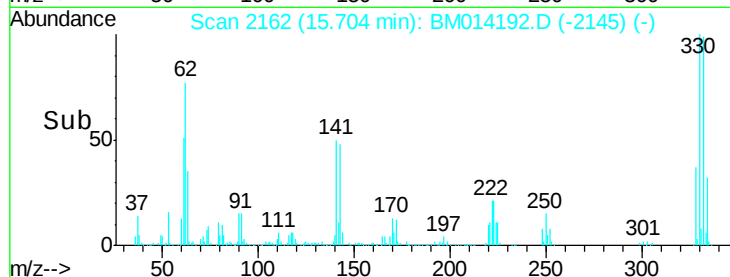
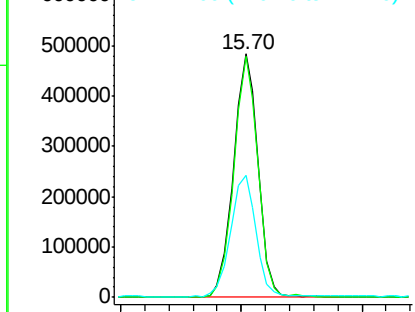


Abundance

Ion 329.80 (329.50 to 330.50): E

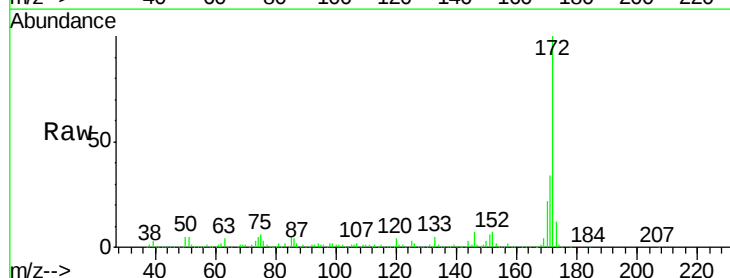
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 89.754 ng  
 RT: 12.81 min Scan# 1670  
 Delta R.T. -0.00 min  
 Lab File: BM014192.D  
 Acq: 08 Feb 2018 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 28.5  | 42.7  |
| 170     | 22.3  | 18.8  | 28.2  |

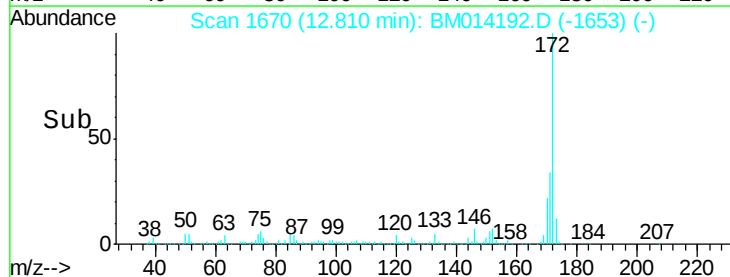
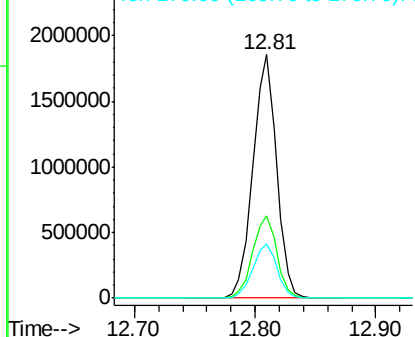


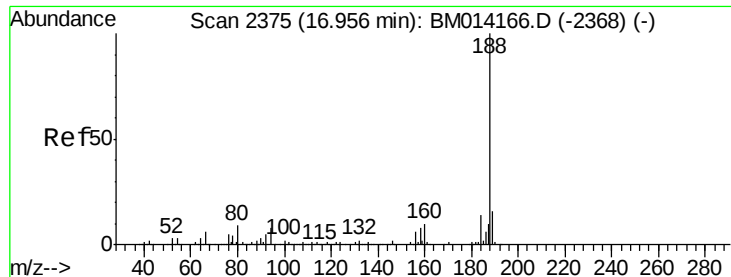
Abundance

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

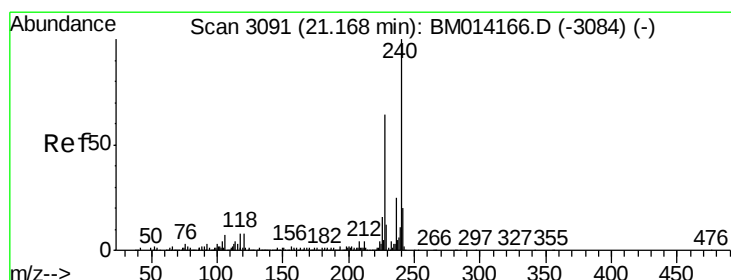
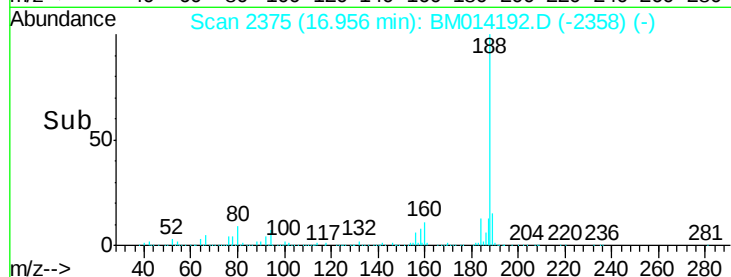
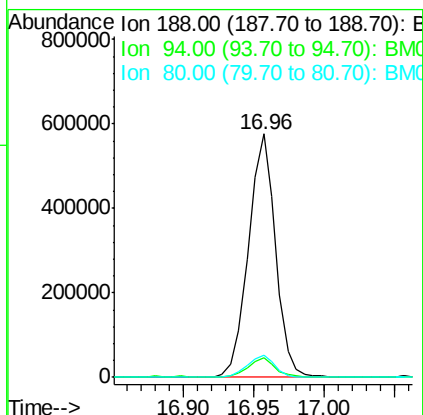
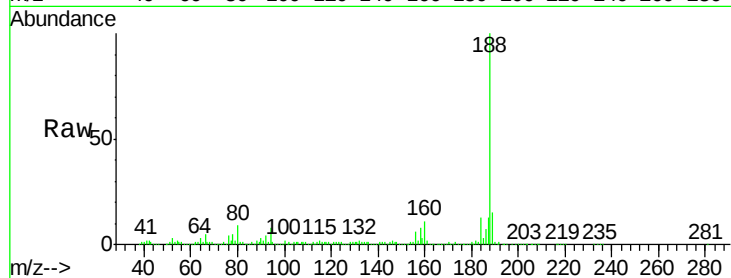




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.96 min Scan# 2375  
Delta R.T. -0.00 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

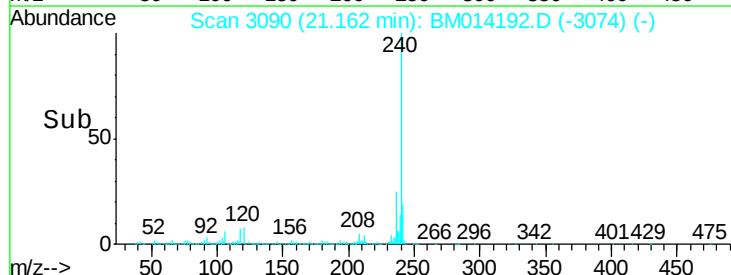
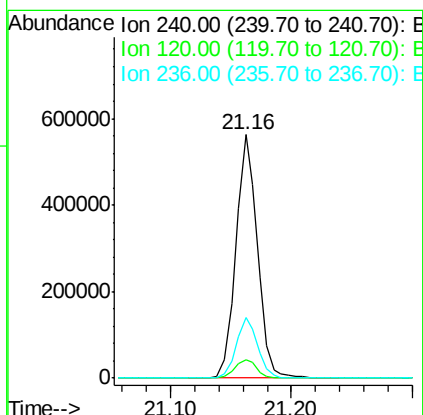
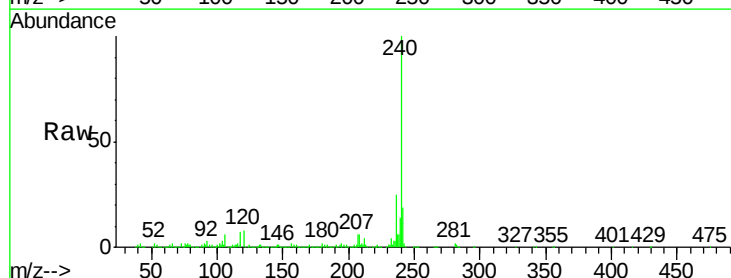
Instrument :  
BNA\_M  
ClientSampleId :  
LW-01-OW

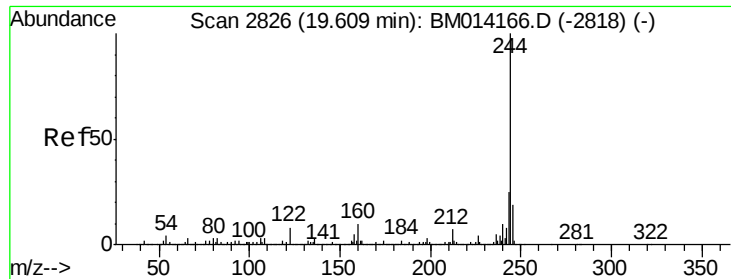
Tot Ion:188 Resp: 773008  
Ion Ratio Lower Upper  
188 100  
94 7.9 8.7 13.1#  
80 9.2 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3090  
Delta R.T. -0.01 min  
Lab File: BM014192.D  
Acq: 08 Feb 2018 14:35

Tgt Ion:240 Resp: 698197  
Ion Ratio Lower Upper  
240 100  
120 7.7 8.2 12.2#  
236 25.1 20.0 30.0





#78

Terphenyl-d14

Concen: 111.206 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM014192.D

Acq: 08 Feb 2018 14:35

Instrument :

BNA\_M

ClientSampleId :

LW-01-OW

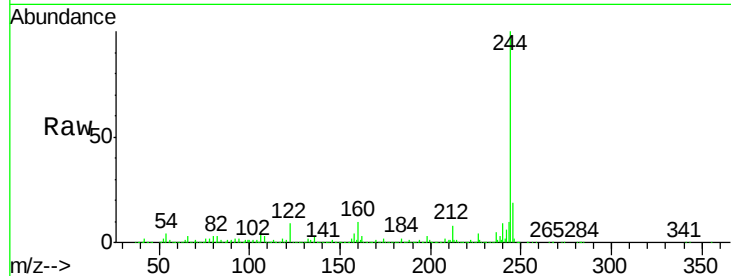
Tot Ion:244 Resp: 3973701

Ion Ratio Lower Upper

244 100

212 7.8 4.9 7.3#

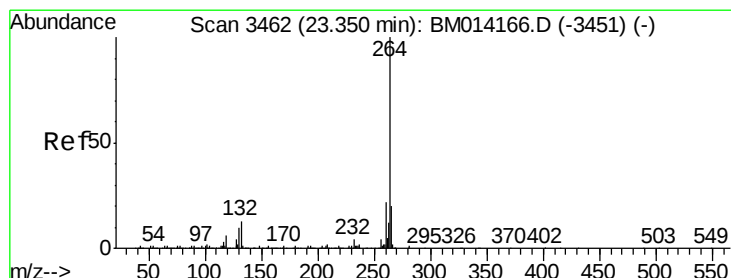
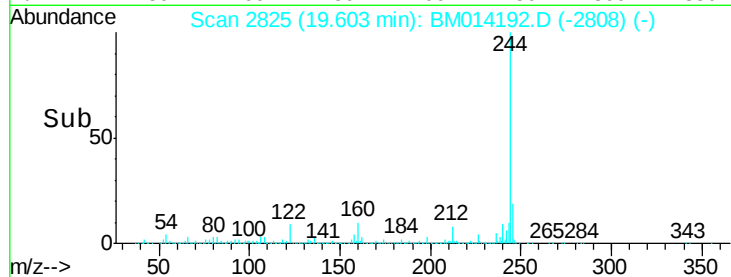
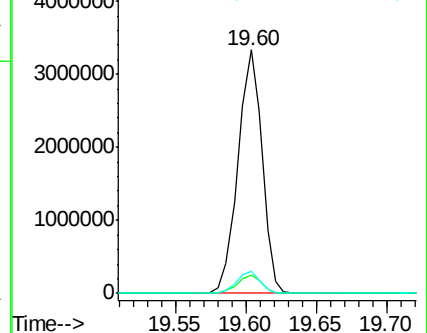
122 9.4 6.2 9.4#



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: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BM014192.D

Acq: 08 Feb 2018 14:35

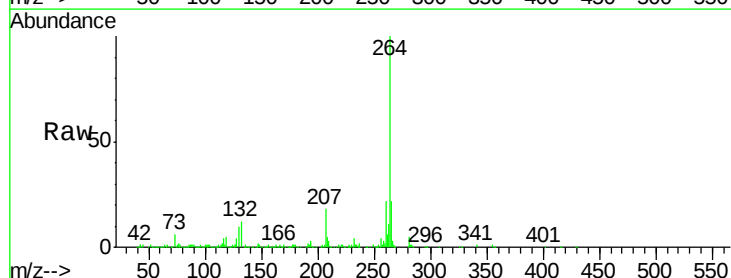
Tgt Ion:264 Resp: 602816

Ion Ratio Lower Upper

264 100

260 22.1 18.6 27.8

265 22.0 17.3 25.9



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

