

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052317\  
 Data File : BM010168.D  
 Acq On : 24 May 2017 07:23  
 Operator : SJ/MA  
 Sample : I3282-07  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-5

Quant Time: May 24 08:23:03 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM051917.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 20 04:25:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 123404   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.76 | 136  | 443712   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.59 | 164  | 298350   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.33 | 188  | 773549   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.49 | 240  | 1154708  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.85 | 264  | 1264351  | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 470876   | 68.91  | ng    | -0.02    |
| 7) Phenol-d6                | 7.14  | 99   | 358566   | 40.78  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 9.14  | 82   | 911316   | 110.81 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.08 | 330  | 724361   | 159.86 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.21 | 172  | 2390588  | 103.01 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.93 | 244  | 4627051  | 91.11  | ng    | -0.02    |

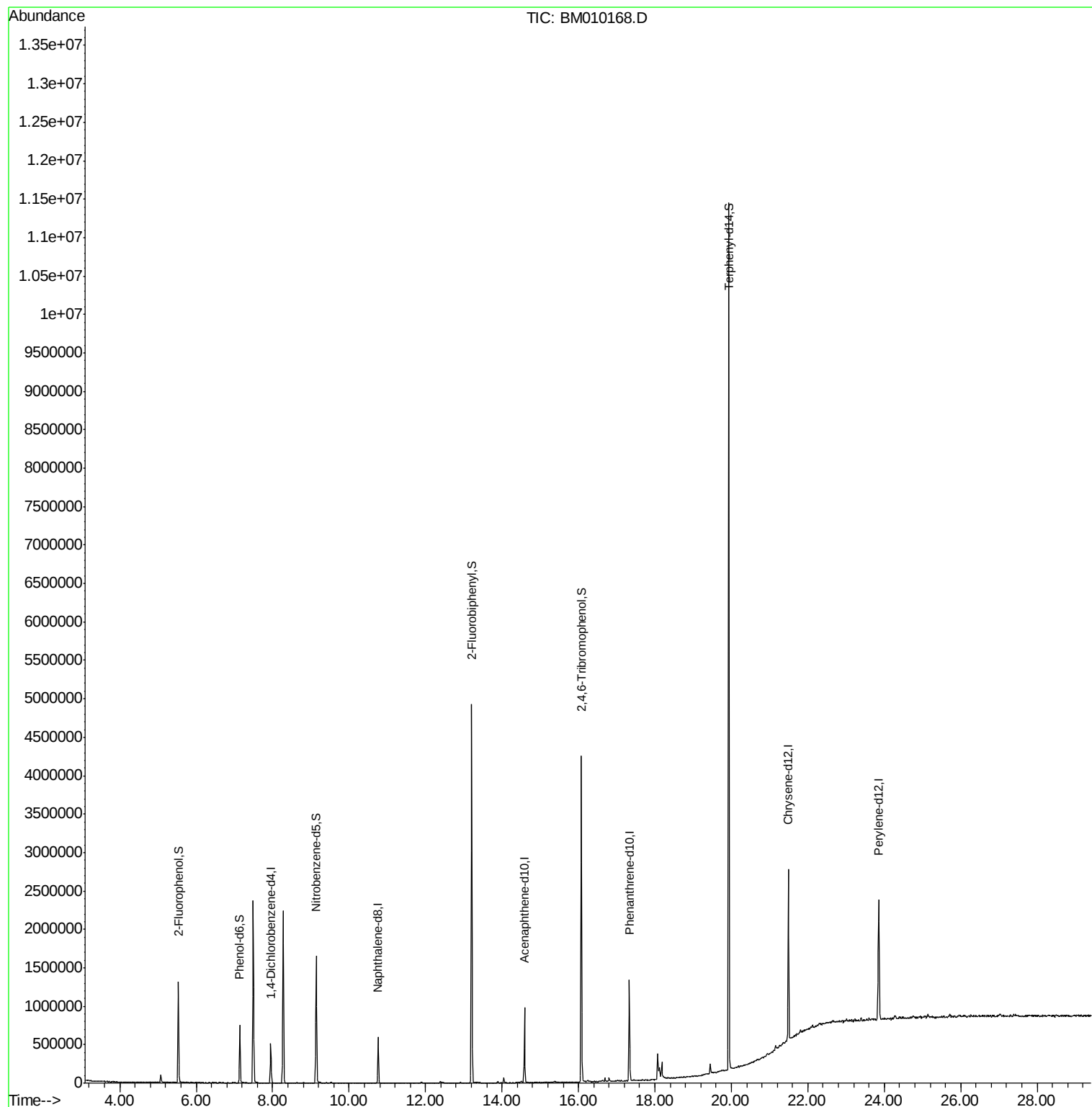
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

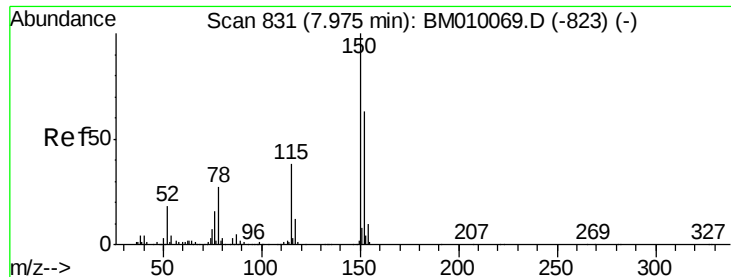
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Instrument :

BNA\_M

ClientSampleId :

GMW-5

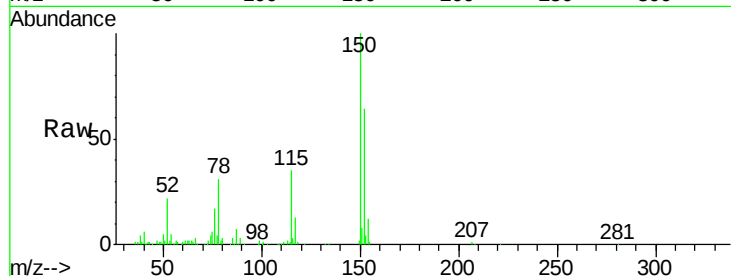
Tgt Ion:152 Resp: 123404

Ion Ratio Lower Upper

152 100

150 157.1 119.5 179.3

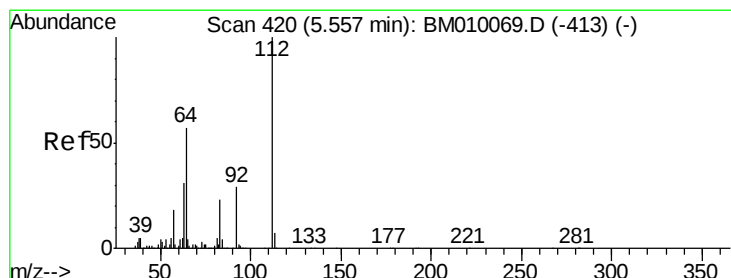
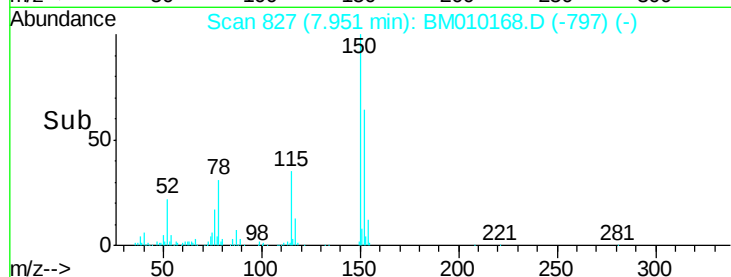
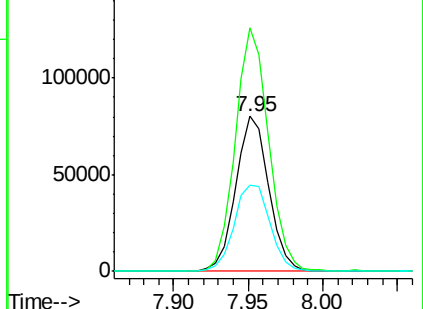
115 55.3 43.0 64.4



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: 68.91 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

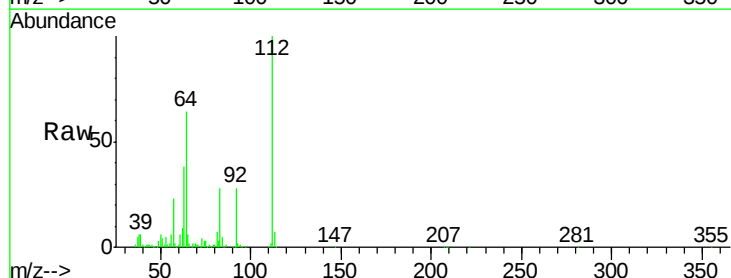
Tgt Ion:112 Resp: 470876

Ion Ratio Lower Upper

112 100

64 63.6 38.6 57.8#

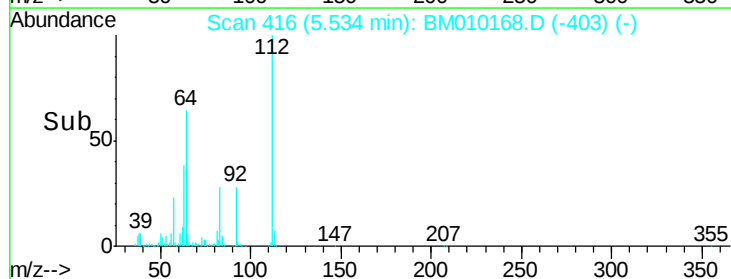
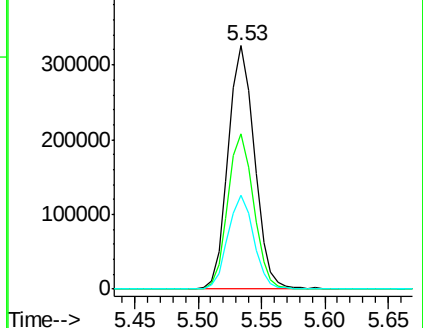
63 38.4 19.3 28.9#

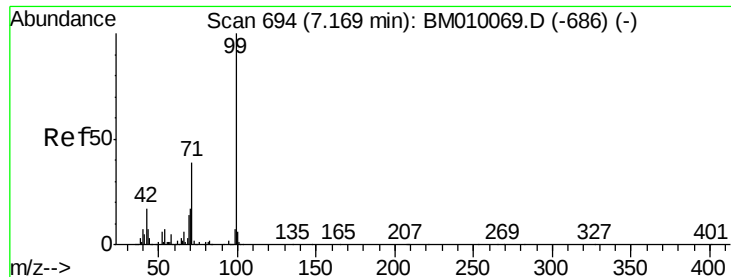


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 40.78 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.03 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Instrument :

BNA\_M

ClientSampleId :

GMW-5

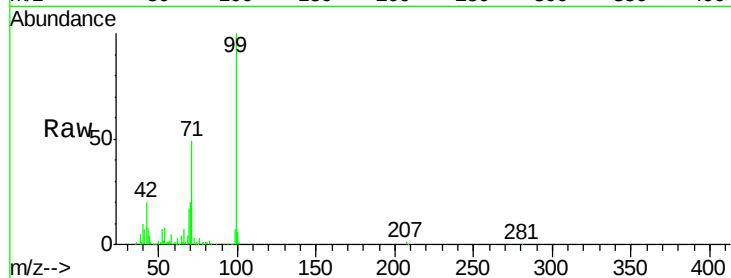
Tgt Ion: 99 Resp: 358566

Ion Ratio Lower Upper

99 100

42 20.2 11.0 16.4#

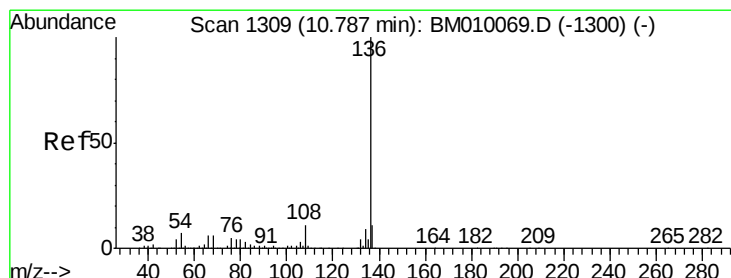
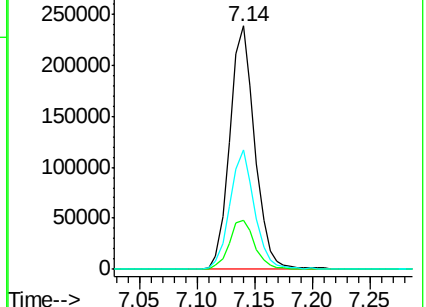
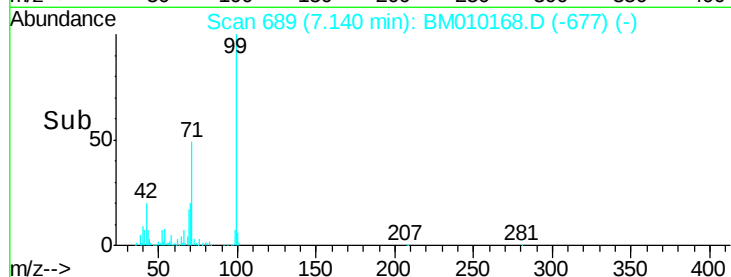
71 49.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010168.D (-677) (-)

Ion 42.00 (41.70 to 42.70): BM010168.D (-677) (-)

Ion 71.00 (70.70 to 71.70): BM010168.D (-677) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Tgt Ion: 136 Resp: 443712

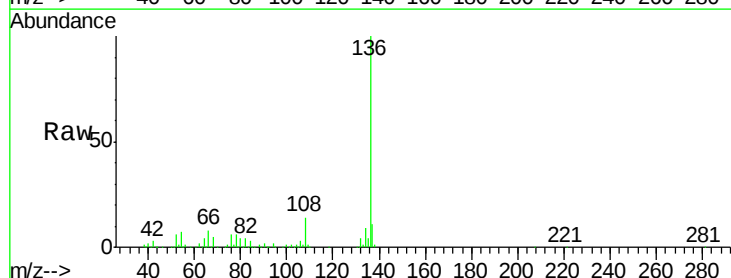
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.1 4.6 6.8#

68 4.6 3.7 5.5

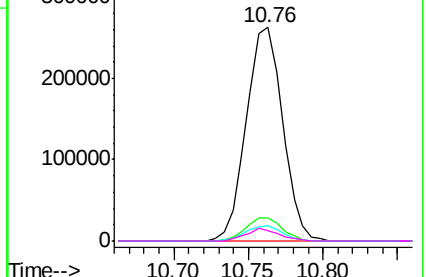
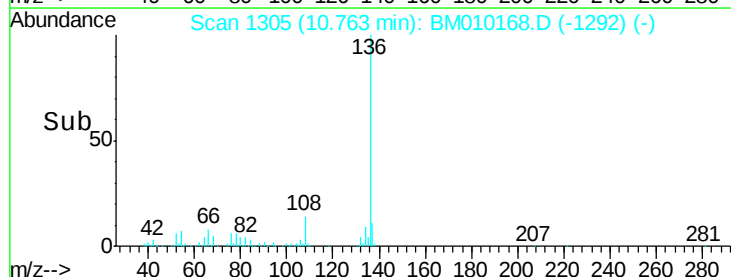


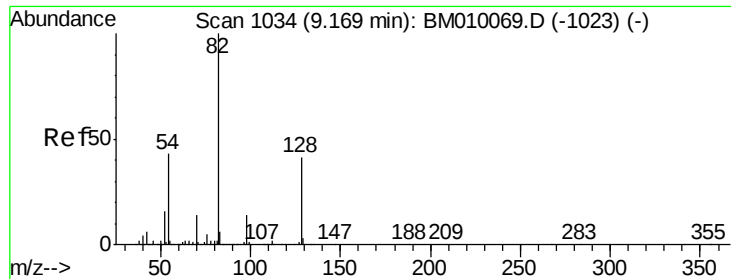
Abundance Ion 136.00 (135.70 to 136.70): BM010168.D (-1292) (-)

Ion 137.00 (136.70 to 137.70): BM010168.D (-1292) (-)

Ion 54.00 (53.70 to 54.70): BM010168.D (-1292) (-)

Ion 68.00 (67.70 to 68.70): BM010168.D (-1292) (-)

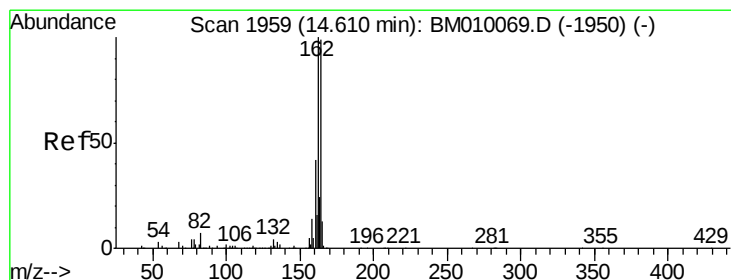
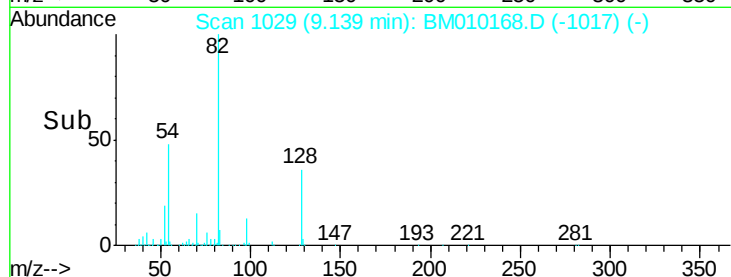
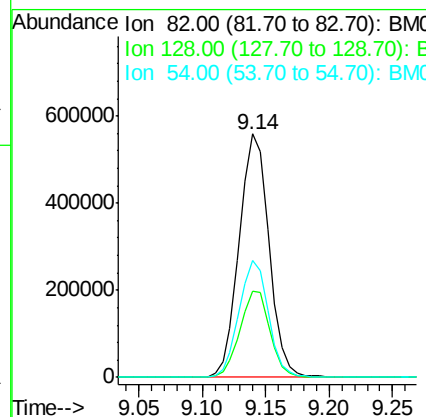
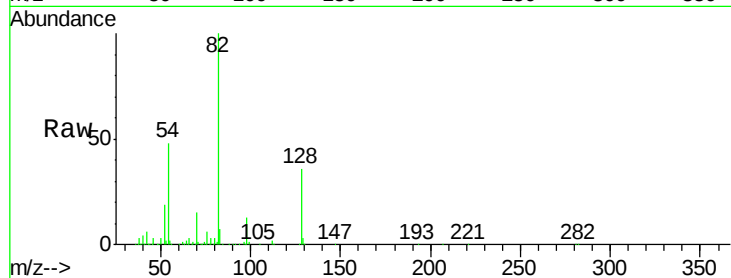




#23  
Nitrobenzene-d5  
Concen: 110.81 ng  
RT: 9.14 min Scan# 1029  
Delta R.T. -0.03 min  
Lab File: BM010168.D  
Acq: 24 May 2017 07:23

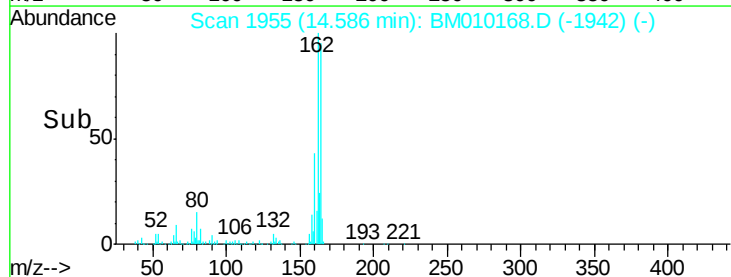
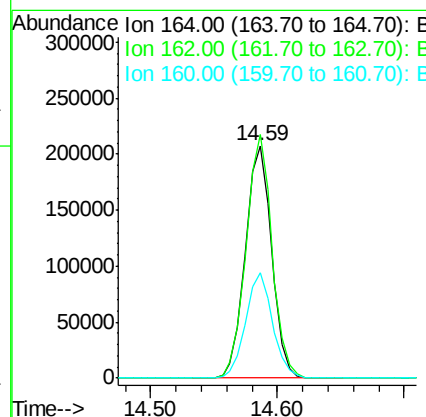
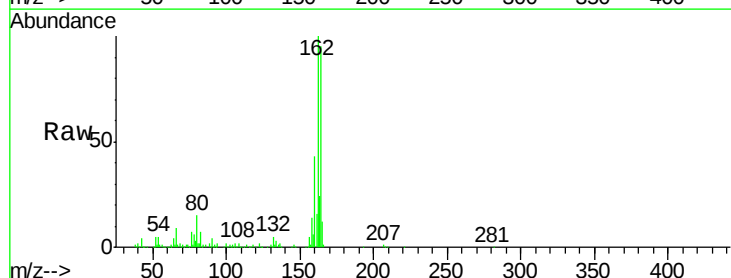
Instrument :  
BNA\_M  
ClientSampleId :  
GMW-5

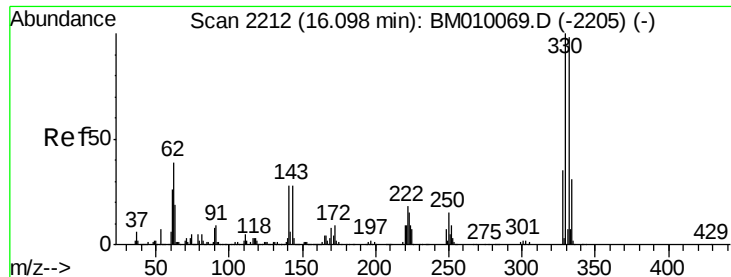
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.5  | 32.8  | 49.2  |
| 54      | 47.9  | 40.6  | 60.8  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.59 min Scan# 1955  
Delta R.T. -0.02 min  
Lab File: BM010168.D  
Acq: 24 May 2017 07:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.8 | 82.4  | 123.6 |
| 160     | 45.2  | 35.8  | 53.6  |

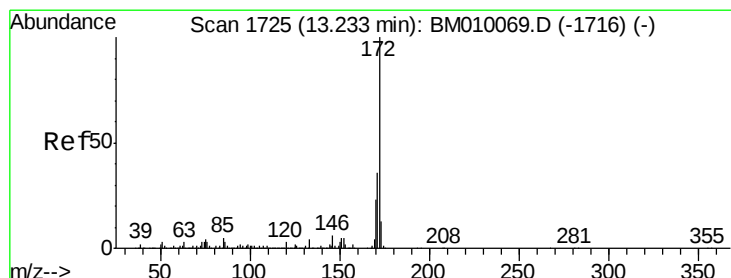
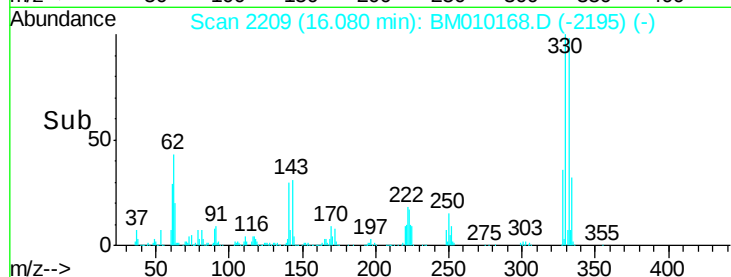
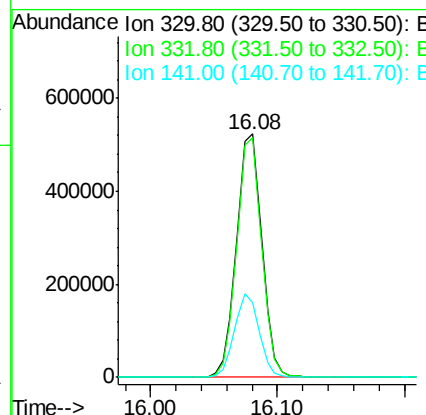
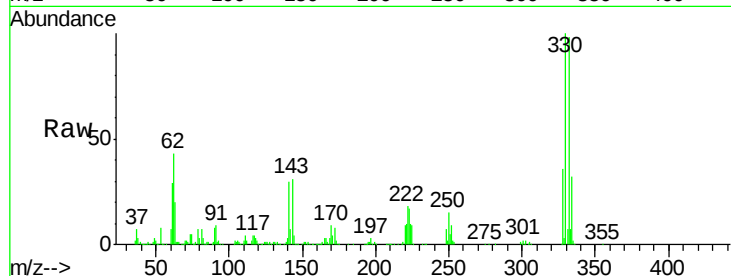




#41  
 2,4,6-Tribromophenol  
 Concen: 159.86 ng  
 RT: 16.08 min Scan# 2209  
 Delta R.T. -0.02 min  
 Lab File: BM010168.D  
 Acq: 24 May 2017 07:23

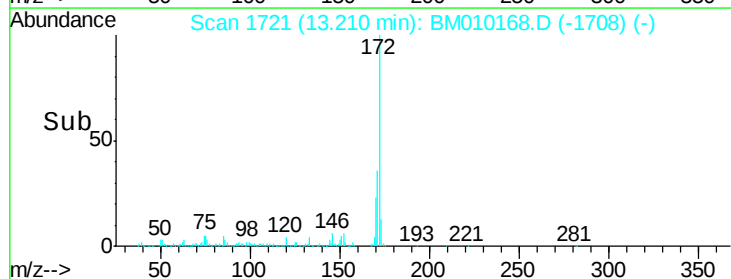
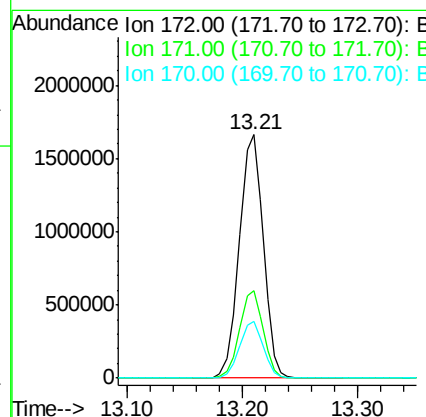
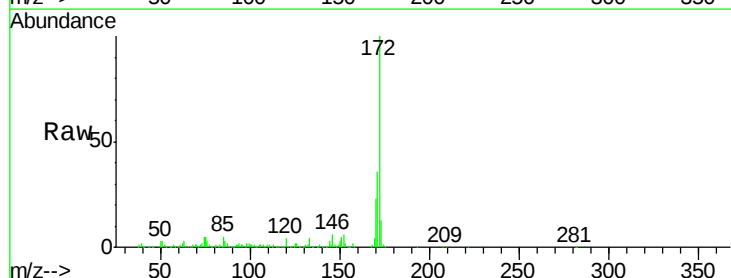
Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-5

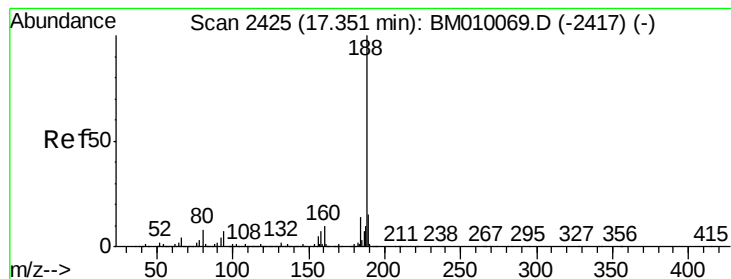
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 0.0   | 0.0#  |
| 141     | 33.3  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 103.01 ng  
 RT: 13.21 min Scan# 1721  
 Delta R.T. -0.02 min  
 Lab File: BM010168.D  
 Acq: 24 May 2017 07:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 28.5  | 42.7  |
| 170     | 23.1  | 18.8  | 28.2  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.33 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Instrument :

BNA\_M

ClientSampleId :

GMW-5

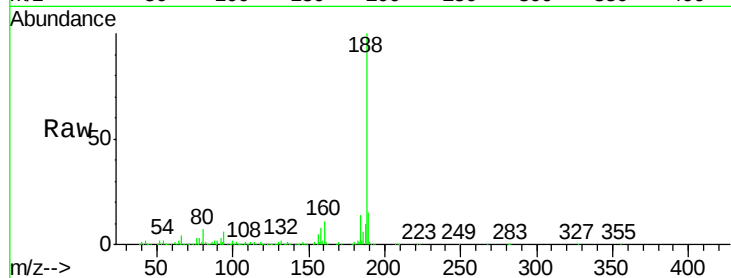
Tgt Ion:188 Resp: 773549

Ion Ratio Lower Upper

188 100

94 5.8 8.7 13.1#

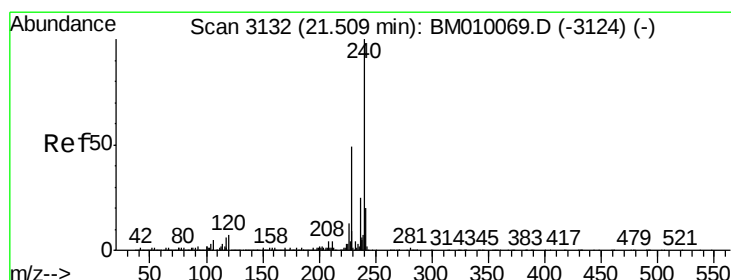
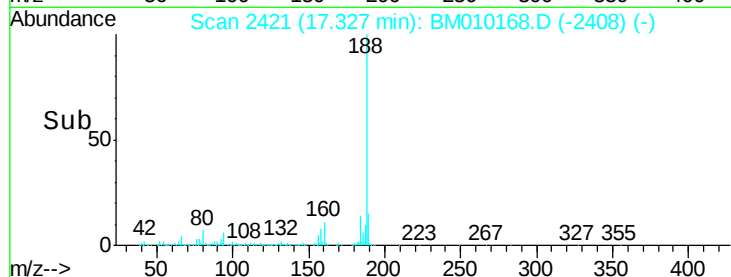
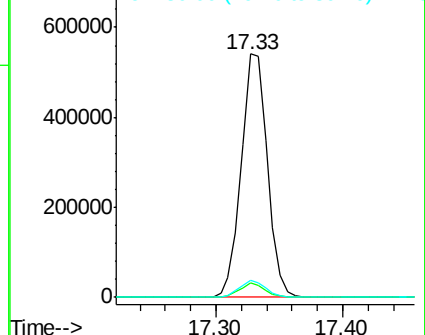
80 6.8 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.49 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

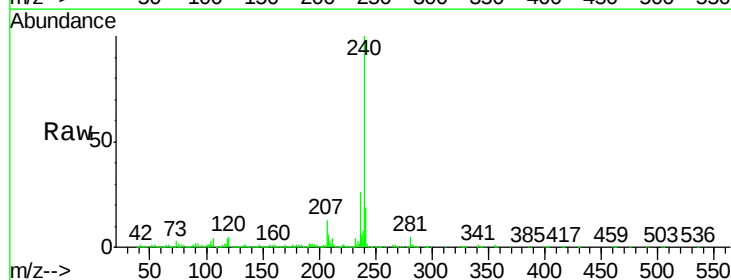
Tgt Ion:240 Resp: 1154708

Ion Ratio Lower Upper

240 100

120 5.0 8.2 12.2#

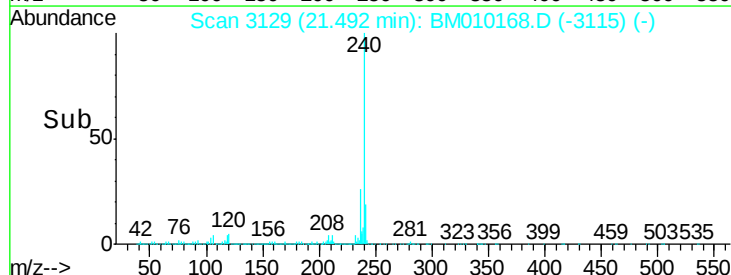
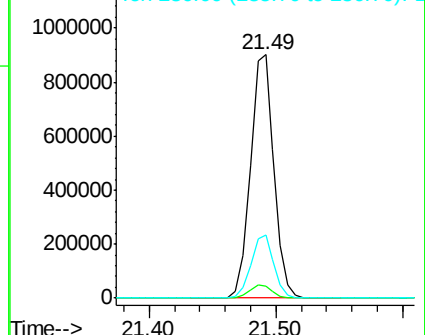
236 25.9 20.0 30.0

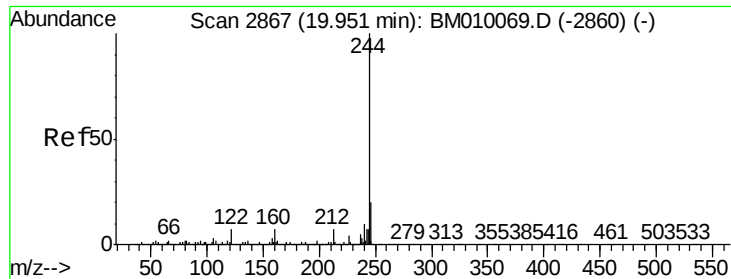


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.11 ng

RT: 19.93 min Scan# 2864

Delta R.T. -0.02 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Instrument :

BNA\_M

ClientSampleId :

GMW-5

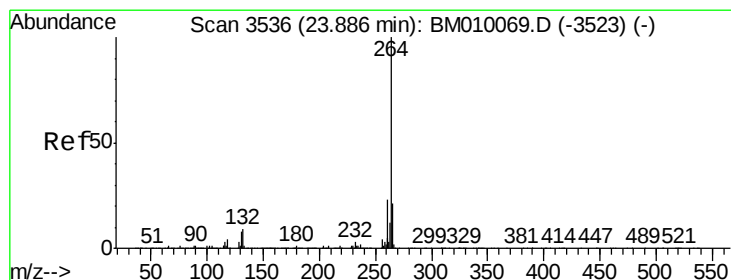
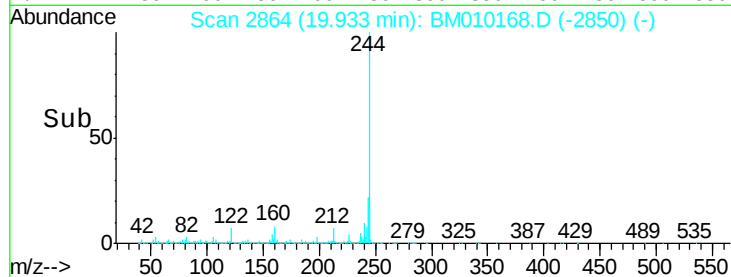
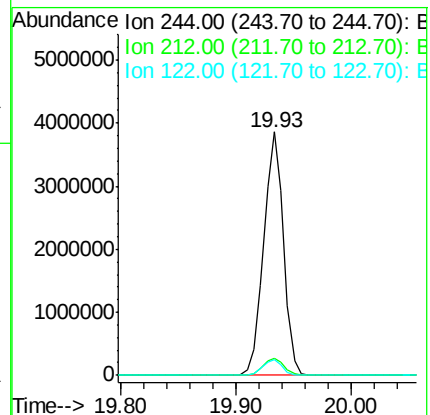
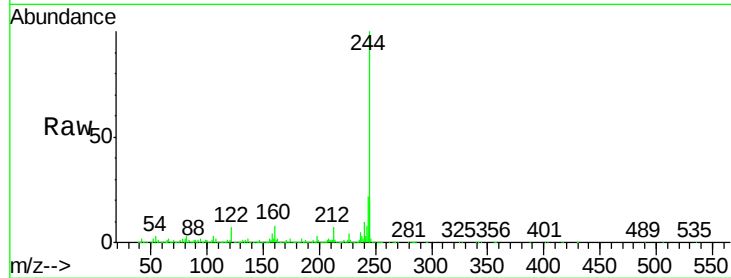
Tgt Ion:244 Resp: 4627051

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

122 6.6 6.2 9.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.85 min Scan# 3530

Delta R.T. -0.04 min

Lab File: BM010168.D

Acq: 24 May 2017 07:23

Tgt Ion:264 Resp: 1264351

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.2 17.3 25.9

