

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052517\  
 Data File : BM010221.D  
 Acq On : 25 May 2017 17:32  
 Operator : SJ/MA  
 Sample : PB99275BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB99275BL

Quant Time: May 26 05:59:02 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  | 112911   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.75 | 136  | 370293   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.58 | 164  | 227961   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.32 | 188  | 542296   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.48 | 240  | 842395   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 23.84 | 264  | 993036   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 992788   | 158.78 | ng    | -0.03    |
| 7) Phenol-d6                | 7.13  | 99   | 1163267  | 144.59 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 9.13  | 82   | 791840   | 115.37 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 16.07 | 330  | 517635   | 149.51 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.20 | 172  | 1957233  | 110.38 | ng    | -0.04    |
| 78) Terphenyl-d14           | 19.93 | 244  | 3210697  | 86.66  | ng    | -0.02    |

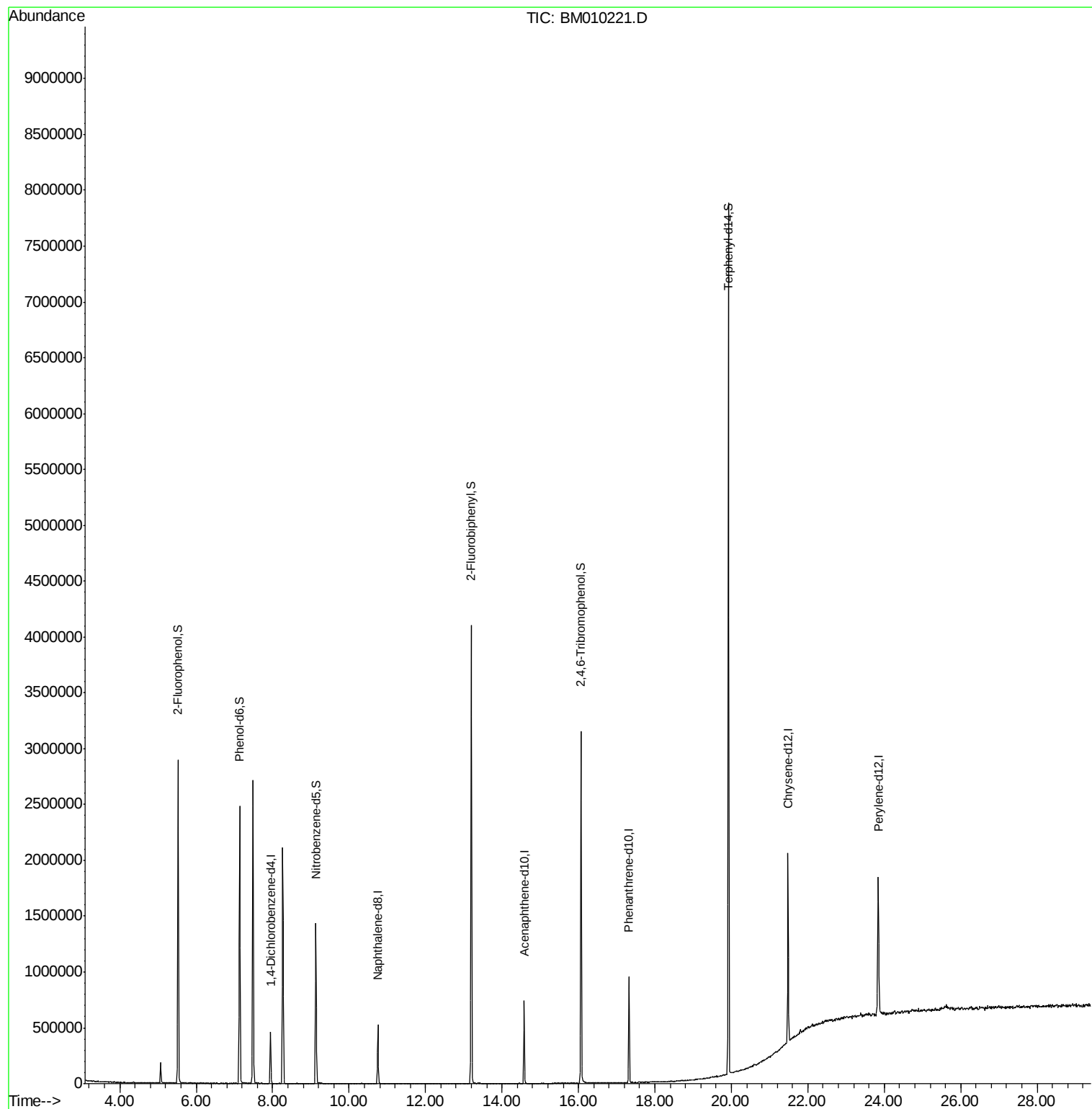
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

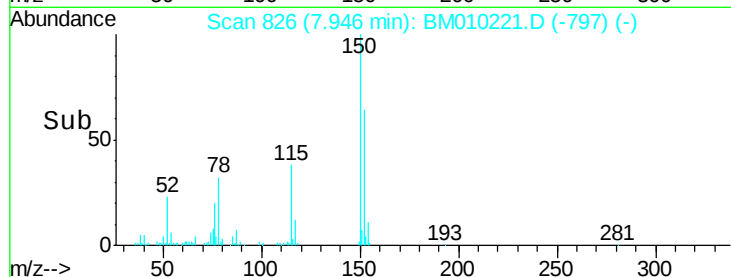
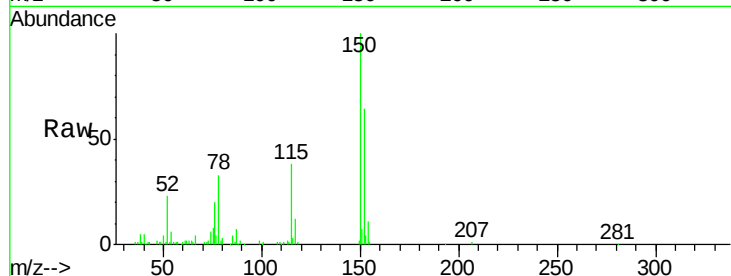
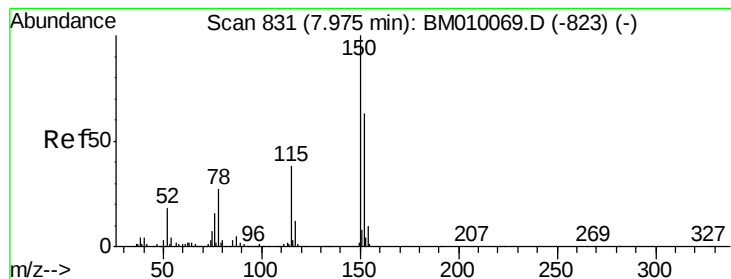
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.95 min Scan# 826

Delta R.T. -0.03 min

Lab File: BM010221.D

Acq: 25 May 2017 17:32

Instrument :

BNA\_M

ClientSampleId :

PB99275BL

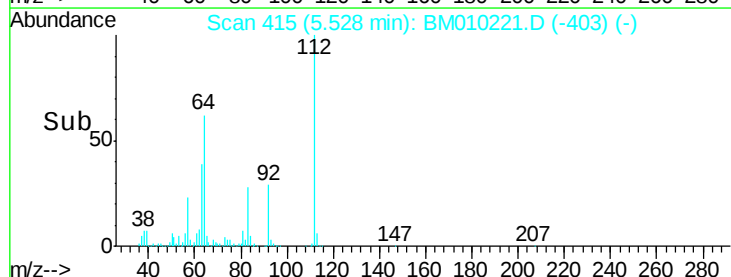
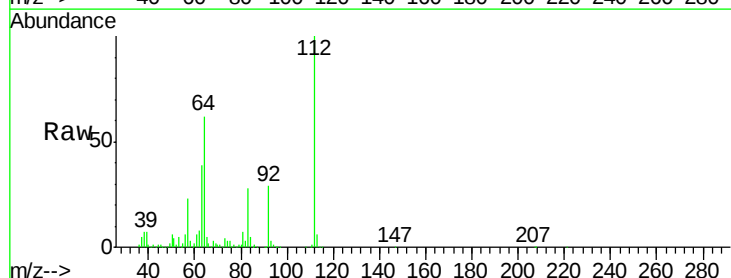
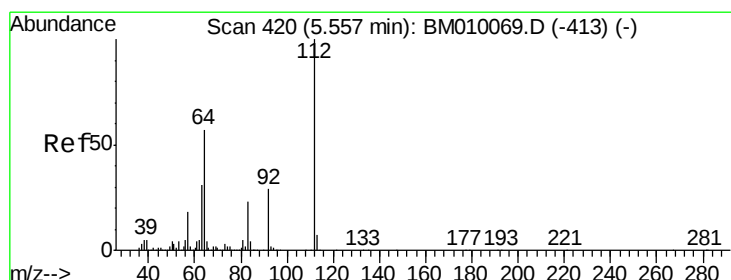
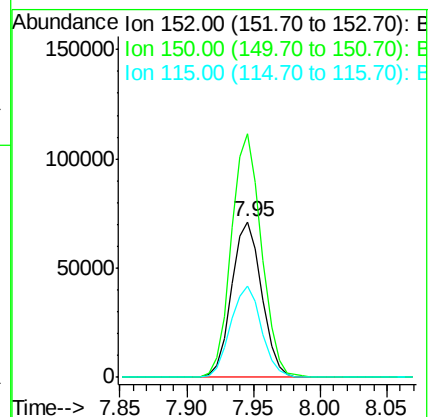
Tgt Ion:152 Resp: 112911

Ion Ratio Lower Upper

152 100

150 156.5 119.5 179.3

115 58.7 43.0 64.4



#5

2-Fluorophenol

Concen: 158.78 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.03 min

Lab File: BM010221.D

Acq: 25 May 2017 17:32

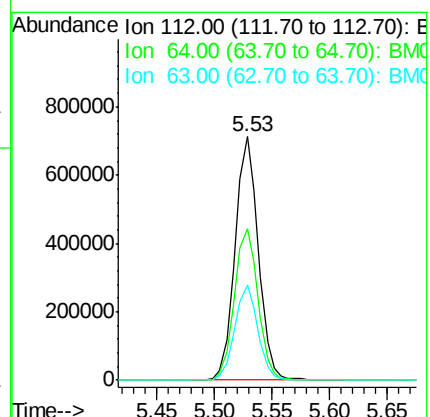
Tgt Ion:112 Resp: 992788

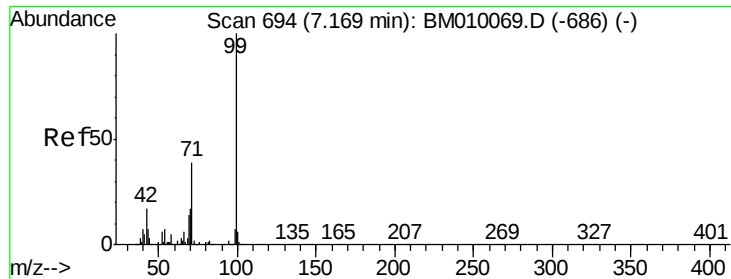
Ion Ratio Lower Upper

112 100

64 62.2 38.6 57.8#

63 39.1 19.3 28.9#





#7

Phenol-d6

Concen: 144.59 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.04 min

Lab File: BM010221.D

Acq: 25 May 2017 17:32

Instrument :

BNA\_M

ClientSampleId :

PB99275BL

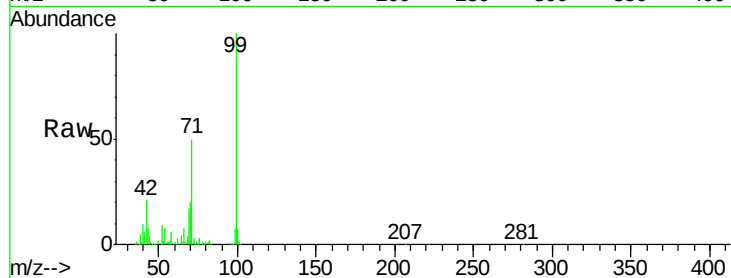
Tgt Ion: 99 Resp: 1163267

Ion Ratio Lower Upper

99 100

42 21.3 11.0 16.4#

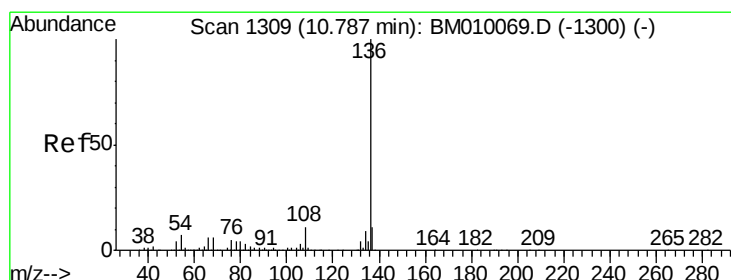
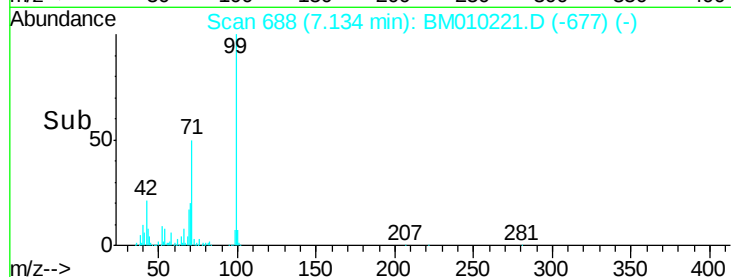
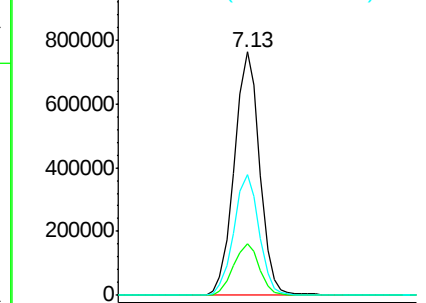
71 49.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010069.D (-686) (-)

Ion 42.00 (41.70 to 42.70): BM010069.D (-686) (-)

Ion 71.00 (70.70 to 71.70): BM010069.D (-686) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.75 min Scan# 1303

Delta R.T. -0.04 min

Lab File: BM010221.D

Acq: 25 May 2017 17:32

Tgt Ion: 136 Resp: 370293

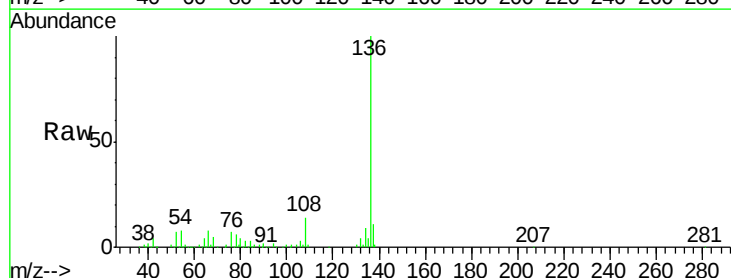
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.5 4.6 6.8#

68 5.1 3.7 5.5

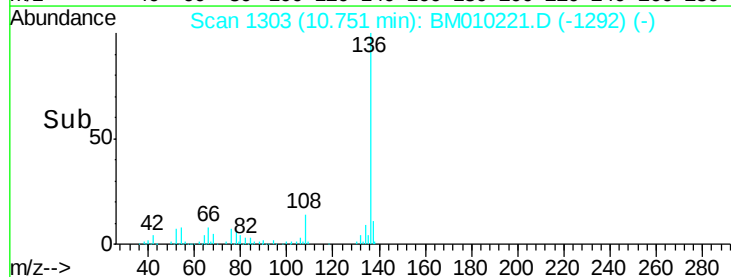
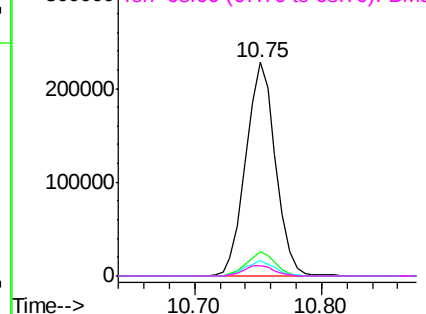


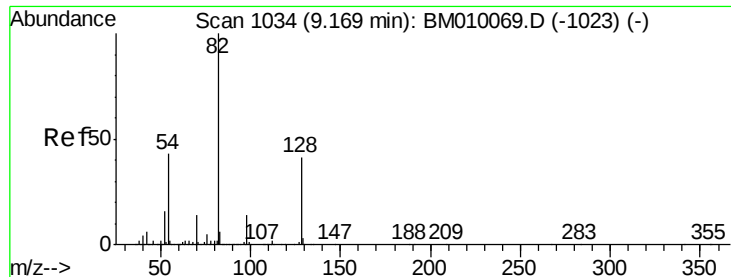
Abundance Ion 136.00 (135.70 to 136.70): BM010069.D (-1300) (-)

Ion 137.00 (136.70 to 137.70): BM010069.D (-1300) (-)

Ion 54.00 (53.70 to 54.70): BM010069.D (-1300) (-)

Ion 68.00 (67.70 to 68.70): BM010069.D (-1300) (-)

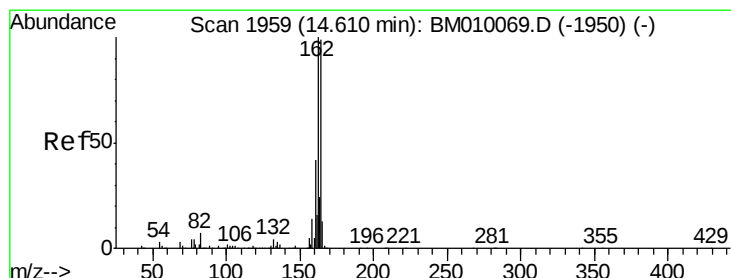
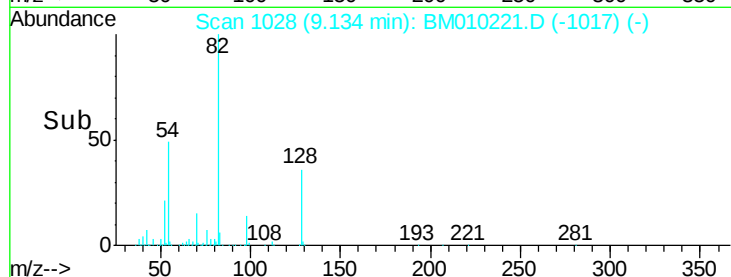
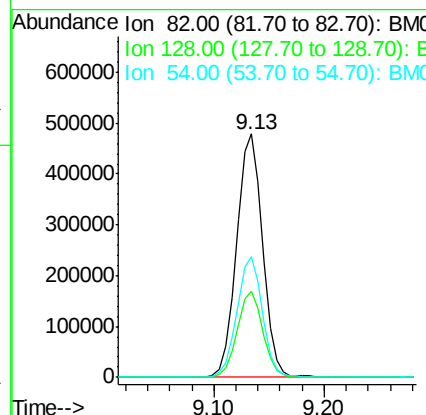
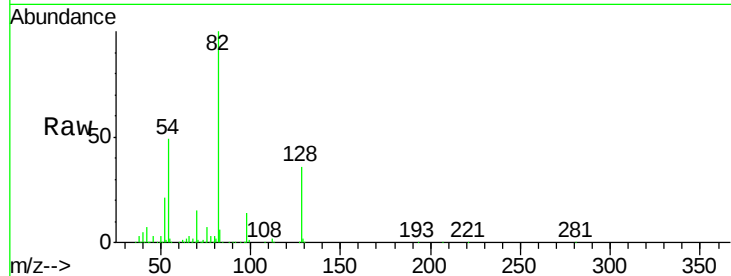




#23  
 Nitrobenzene-d5  
 Concen: 115.37 ng  
 RT: 9.13 min Scan# 1028  
 Delta R.T. -0.04 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

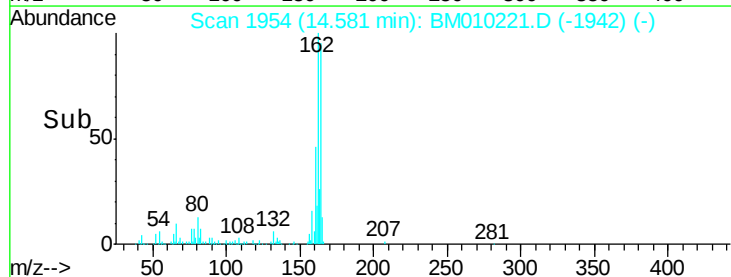
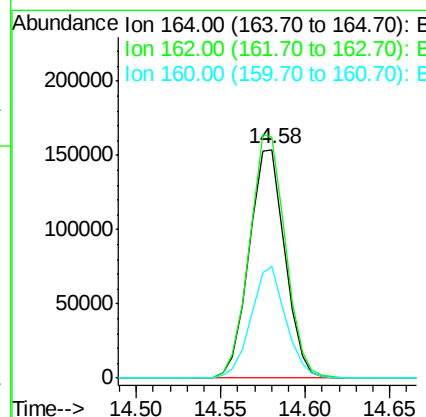
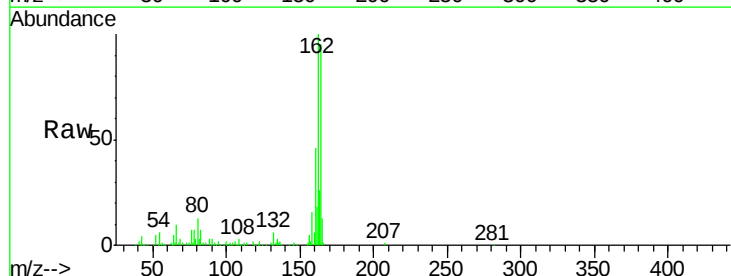
Instrument :  
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 PB99275BL

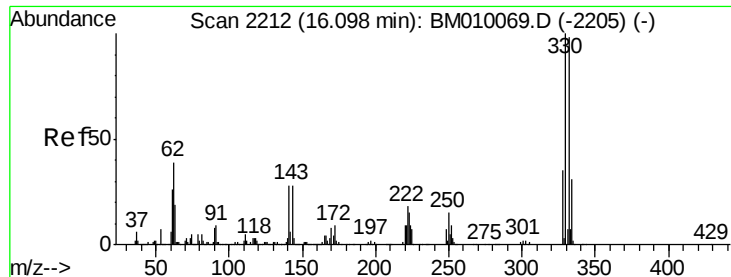
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.5  | 32.8  | 49.2  |
| 54      | 49.4  | 40.6  | 60.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.58 min Scan# 1954  
 Delta R.T. -0.03 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.6 | 82.4  | 123.6 |
| 160     | 48.9  | 35.8  | 53.6  |

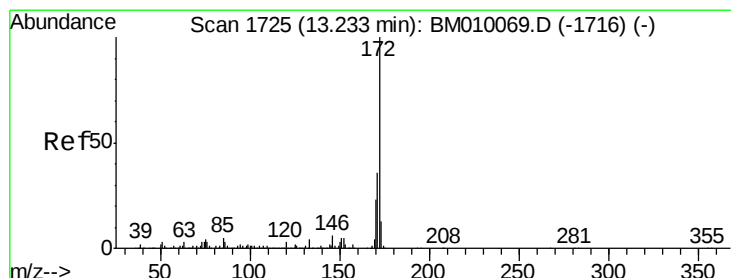
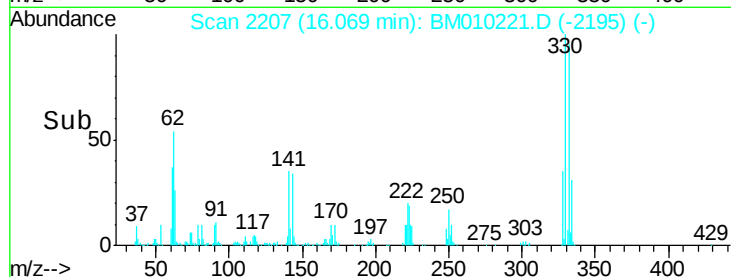
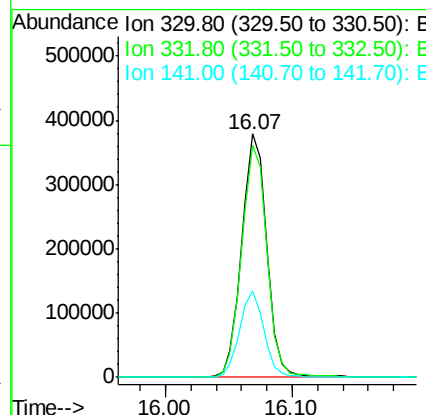
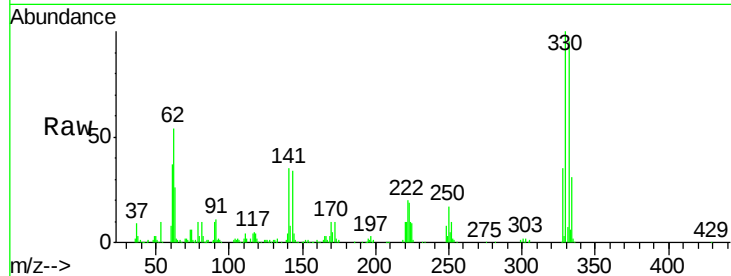




#41  
 2,4,6-Tribromophenol  
 Concen: 149.51 ng  
 RT: 16.07 min Scan# 2207  
 Delta R.T. -0.03 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

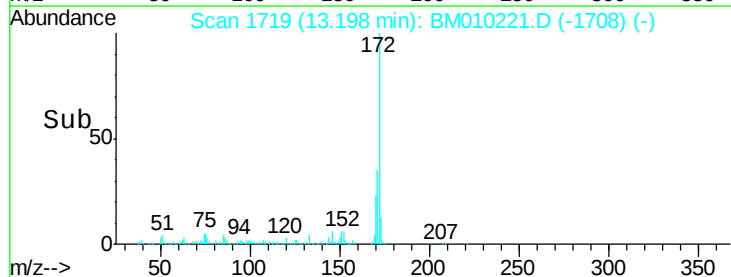
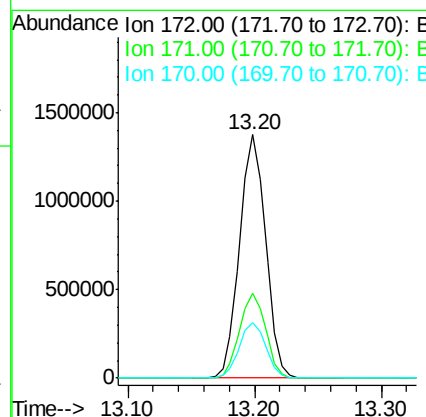
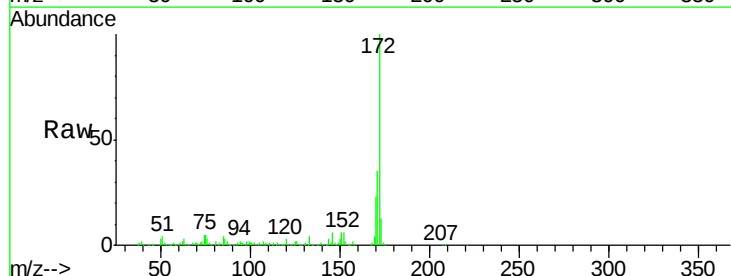
Instrument :  
 BNA\_M  
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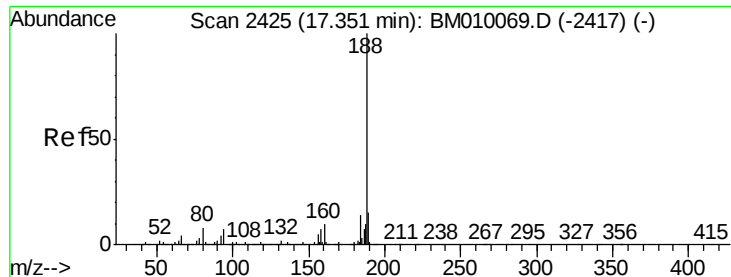
Tgt Ion:330 Resp: 517635  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 0.0 0.0#  
 141 34.6 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 110.38 ng  
 RT: 13.20 min Scan# 1719  
 Delta R.T. -0.04 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

Tgt Ion:172 Resp: 1957233  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.5 42.7  
 170 22.7 18.8 28.2

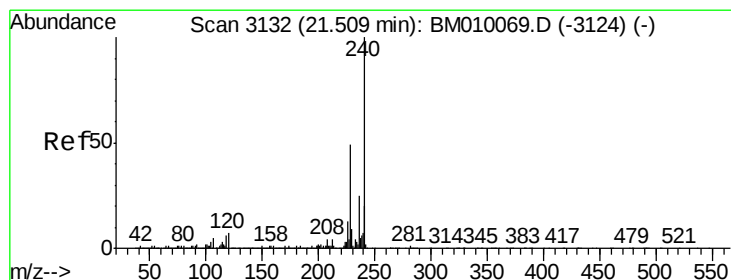
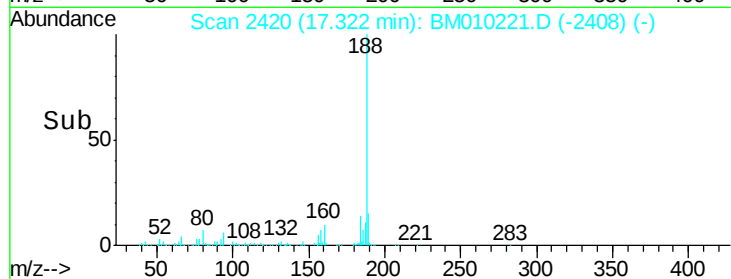
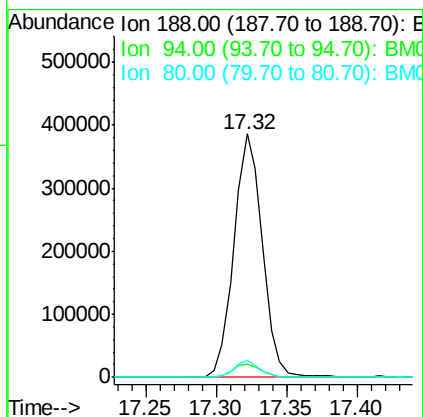
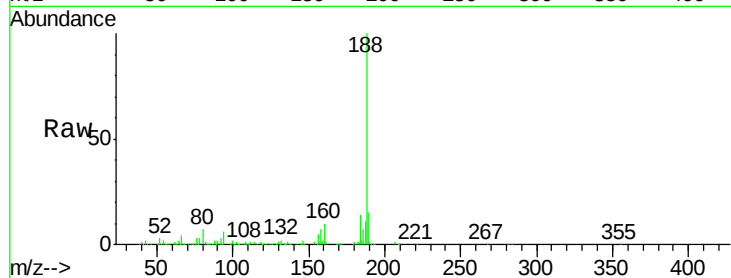




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.32 min Scan# 2420  
Delta R.T. -0.03 min  
Lab File: BM010221.D  
Acq: 25 May 2017 17:32

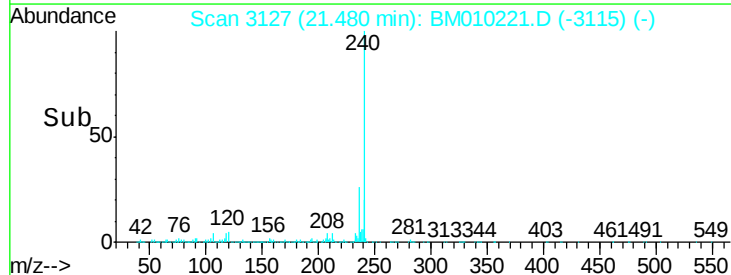
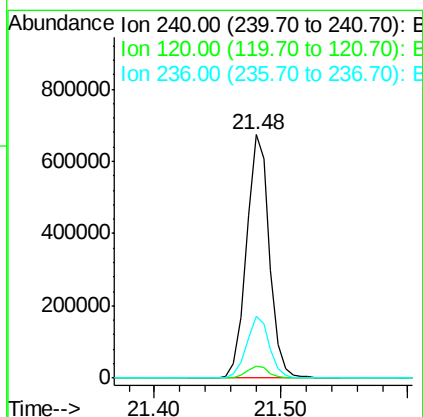
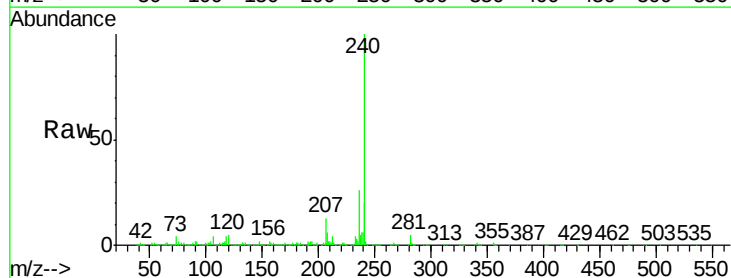
Instrument :  
BNA\_M  
ClientSampleId :  
PB99275BL

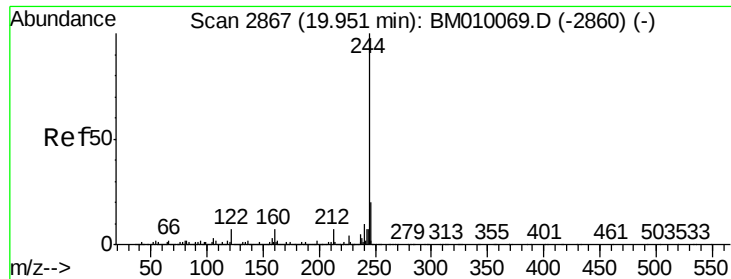
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.6   | 8.7   | 13.1# |
| 80      | 7.3   | 9.3   | 13.9# |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.48 min Scan# 3127  
Delta R.T. -0.03 min  
Lab File: BM010221.D  
Acq: 25 May 2017 17:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.1   | 8.2   | 12.2# |
| 236     | 25.6  | 20.0  | 30.0  |

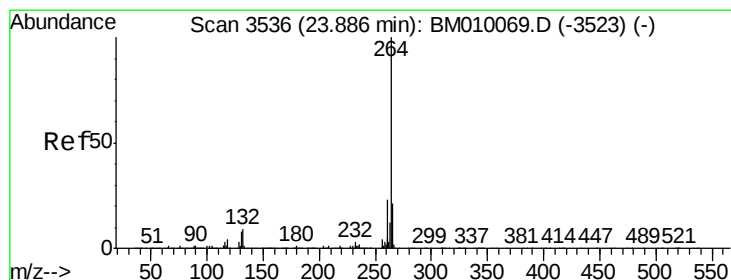
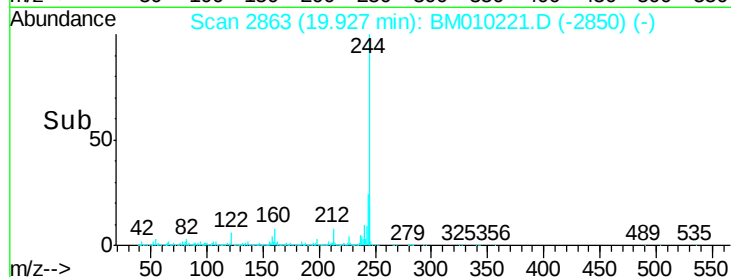
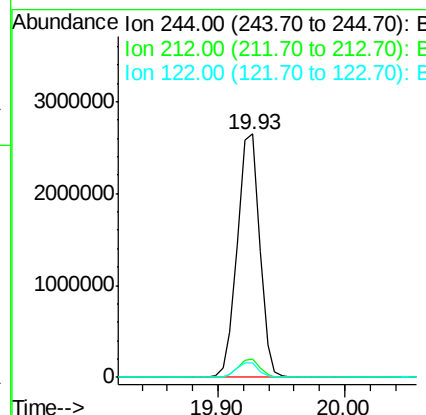
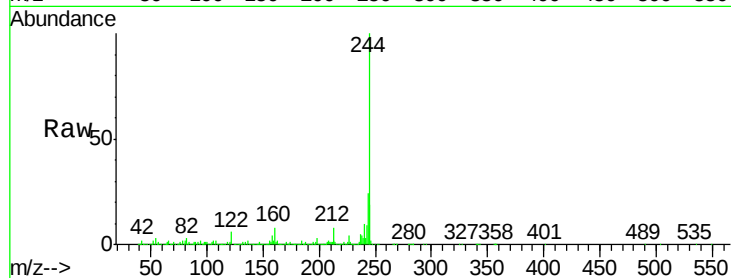




#78  
 Terphenyl-d14  
 Concen: 86.66 ng  
 RT: 19.93 min Scan# 2863  
 Delta R.T. -0.02 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB99275BL

Tgt Ion:244 Resp: 3210697  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 4.9 7.3#  
 122 5.8 6.2 9.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.84 min Scan# 3529  
 Delta R.T. -0.04 min  
 Lab File: BM010221.D  
 Acq: 25 May 2017 17:32

Tgt Ion:264 Resp: 993036  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.6 27.8  
 265 22.9 17.3 25.9

