

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\  
 Data File : BM016210.D  
 Acq On : 07 Aug 2018 02:38  
 Operator : SJ/JU  
 Sample : J4330-10  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 07 05:15:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 23 16:08:38 2018  
 Response via : Initial Calibration

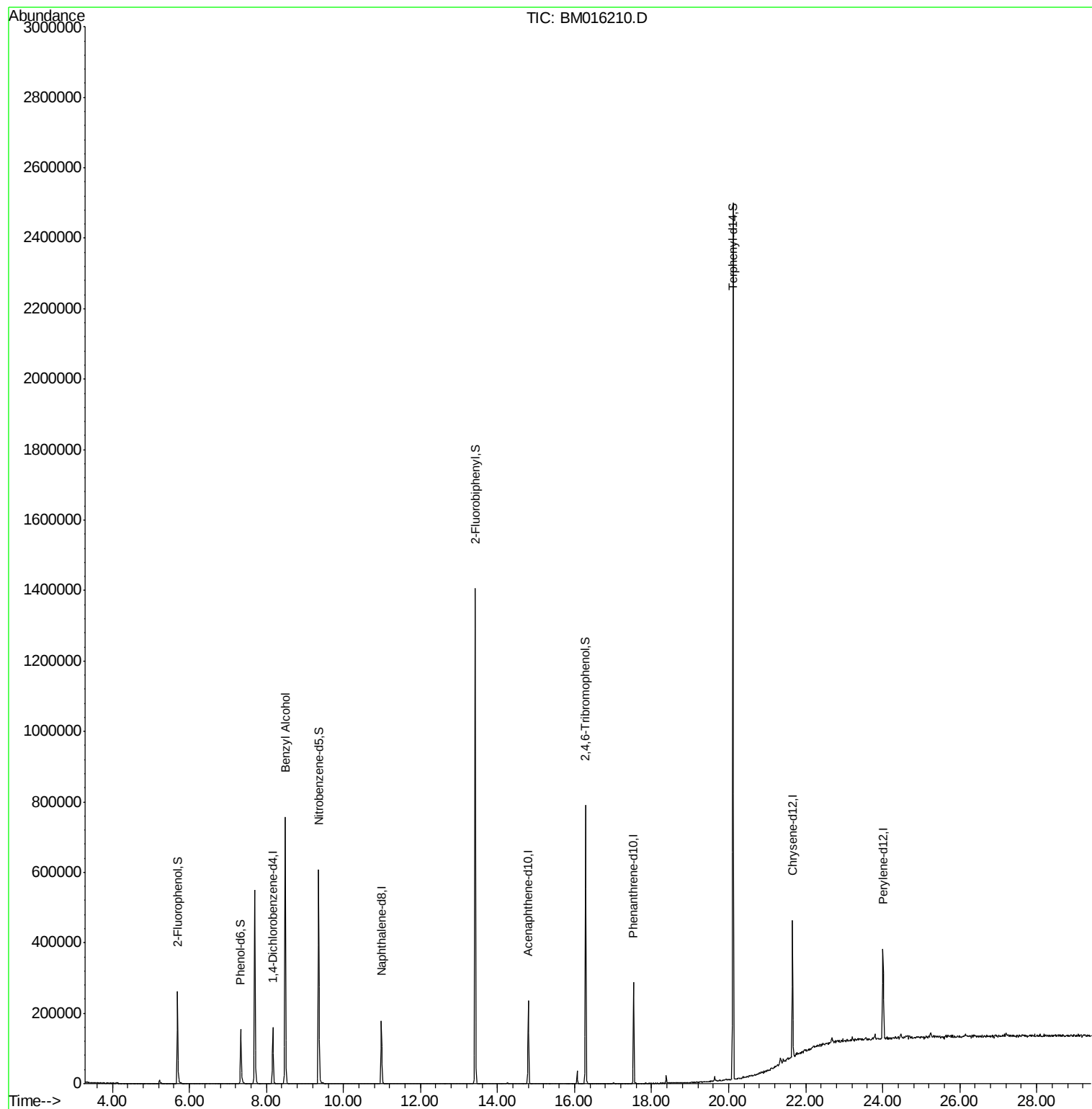
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 33604    | 20.00  | ng    | -0.07          |
| 21) Naphthalene-d8          | 10.99 | 136  | 125682   | 20.00  | ng    | -0.07          |
| 38) Acenaphthene-d10        | 14.80 | 164  | 64952    | 20.00  | ng    | -0.06          |
| 63) Phenanthrene-d10        | 17.53 | 188  | 138968   | 20.00  | ng    | -0.05          |
| 75) Chrysene-d12            | 21.66 | 240  | 149939   | 20.00  | ng    | -0.04          |
| 86) Perylene-d12            | 24.01 | 264  | 162338   | 20.00  | ng    | -0.07          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.69  | 112  | 91925    | 45.44  | ng    | -0.05          |
| 7) Phenol-d6                | 7.33  | 99   | 68670    | 25.99  | ng    | -0.05          |
| 23) Nitrobenzene-d5         | 9.36  | 82   | 300618   | 111.25 | ng    | -0.06          |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 75872    | 92.10  | ng    | -0.05          |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 549081   | 102.86 | ng    | -0.06          |
| 78) Terphenyl-d14           | 20.11 | 244  | 782504   | 109.25 | ng    | -0.05          |
| Target Compounds            |       |      |          |        |       |                |
| 15) Benzyl Alcohol          | 8.49  | 79   | 5551     | 2.639  | ng    | Qvalue<br># 45 |

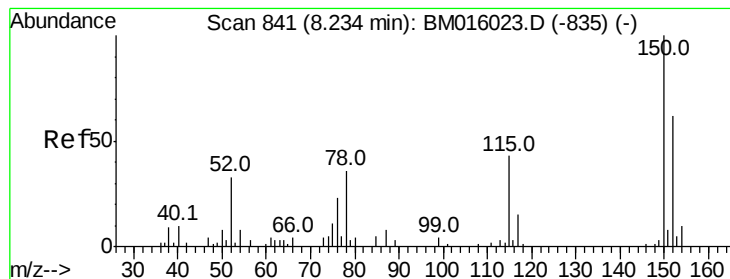
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 23 16:08:38 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.17 min Scan# 830

Delta R.T. -0.07 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

Instrument :

BNA\_M

ClientSampled :

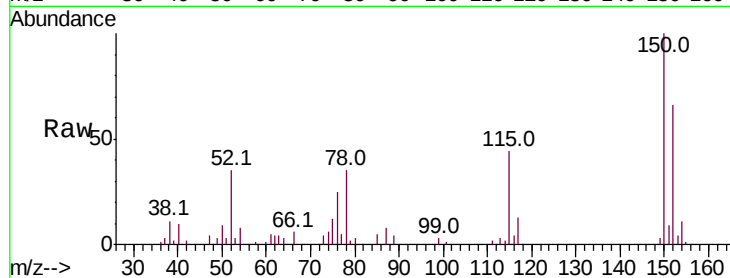
Tot Ion:152 Resp: 33604

Ion Ratio Lower Upper

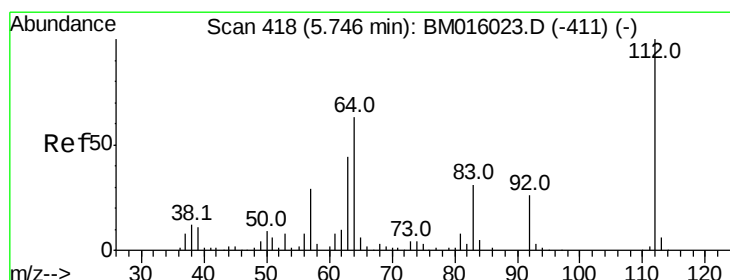
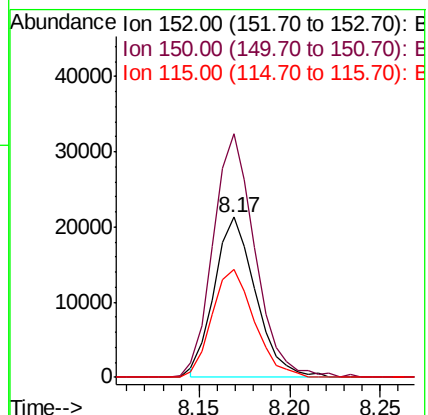
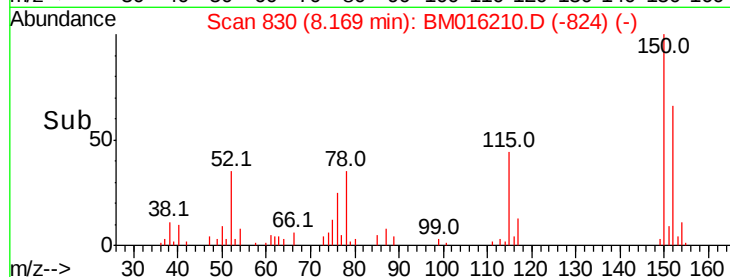
152 100

150 151.9 119.5 179.3

115 67.4 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: Below ng

RT: 5.69 min Scan# 409

Delta R.T. -0.05 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

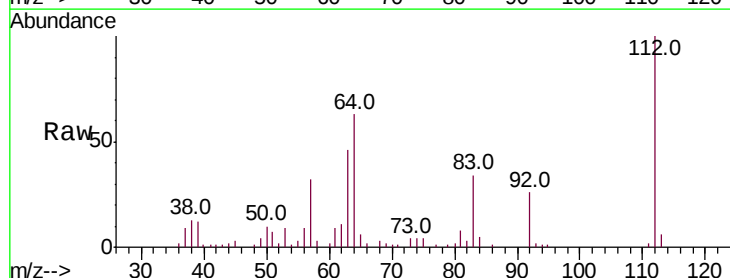
Tgt Ion:112 Resp: 91925

Ion Ratio Lower Upper

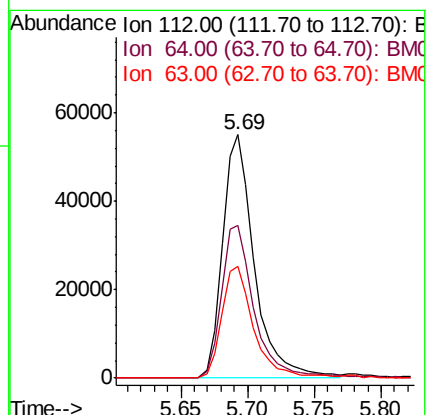
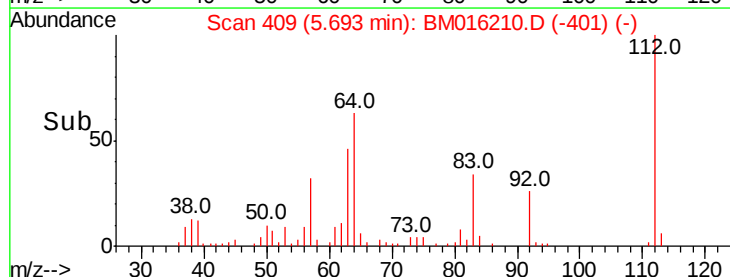
112 100

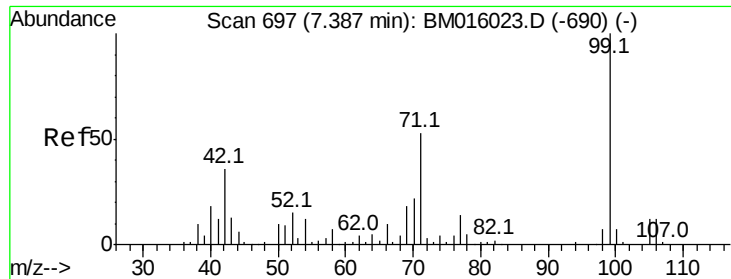
64 62.9 38.6 57.8#

63 46.0 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: N.D. ng

RT: 7.33 min Scan# 688

Delta R.T. -0.05 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

Instrument :

BNA\_M

ClientSampled :

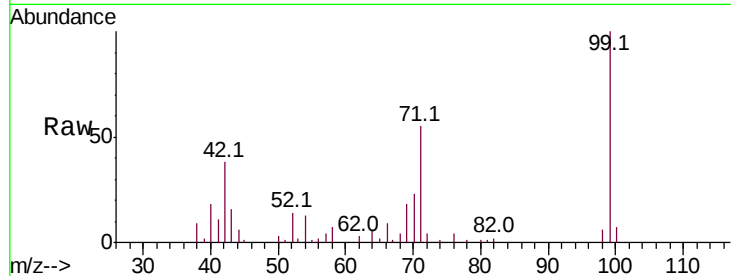
Tot Ion: 99 Resp: 68670

Ion Ratio Lower Upper

99 100

42 37.8 11.0 16.4#

71 54.5 23.4 35.2#

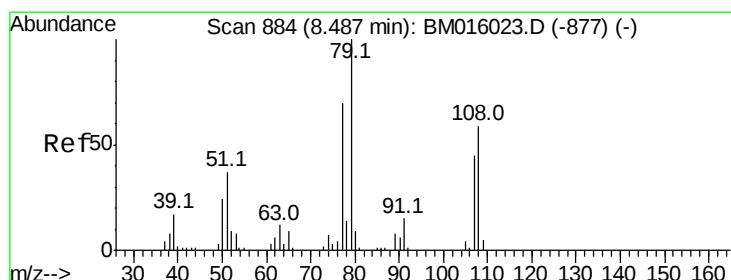
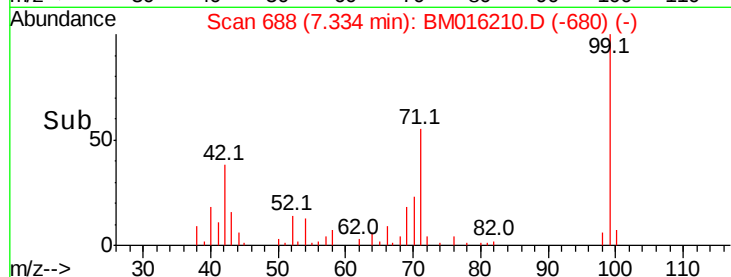
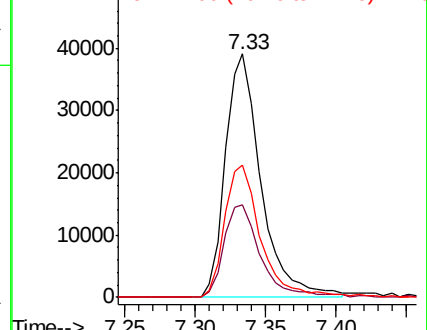


Abundance

Ion 99.00 (98.70 to 99.70): BM016210.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016210.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016210.D (-680) (-)



#15

Benzyl Alcohol

Concen: 2.639 ng

RT: 8.49 min Scan# 884

Delta R.T. -0.00 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

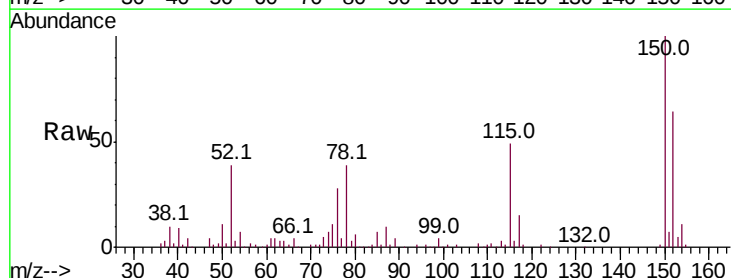
Tgt Ion: 79 Resp: 5551

Ion Ratio Lower Upper

79 100

108 71.3 65.0 97.4

77 152.9 53.0 79.6#

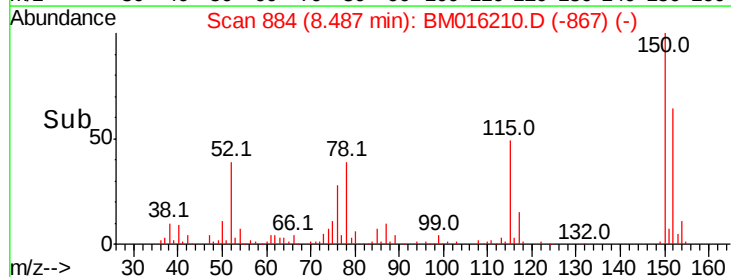
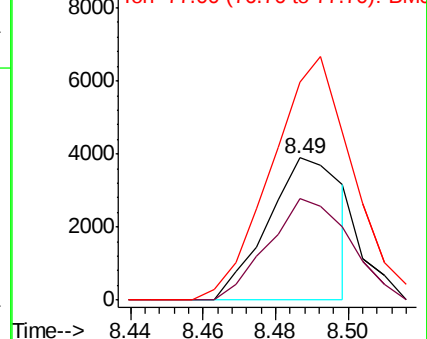


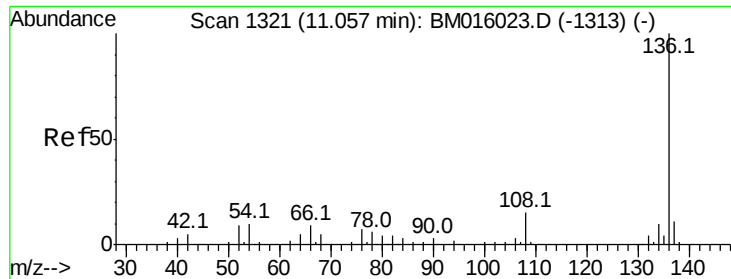
Abundance

Ion 79.00 (78.70 to 79.70): BM016210.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM016210.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM016210.D (-867) (-)

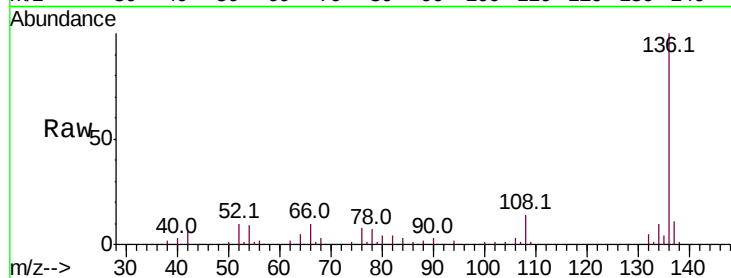




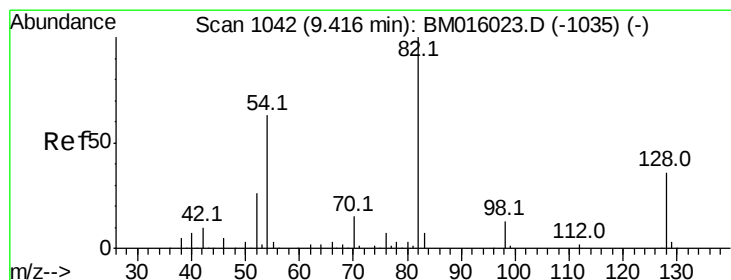
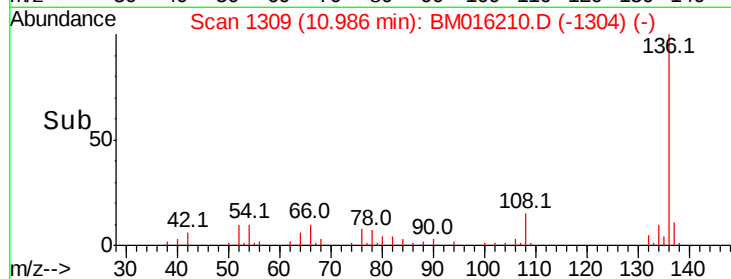
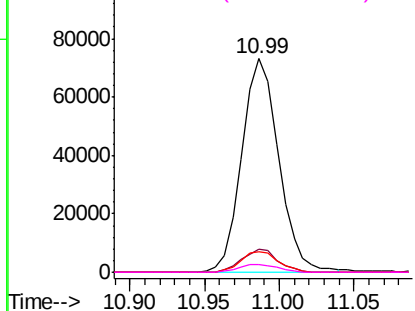
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1309  
Delta R.T. -0.07 min  
Lab File: BM016210.D  
Acq: 07 Aug 2018 02:38

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 125682 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.7   | 13.1   |
| 54       | 9.4   | 4.6   | 6.8#   |
| 68       | 3.4   | 3.7   | 5.5#   |

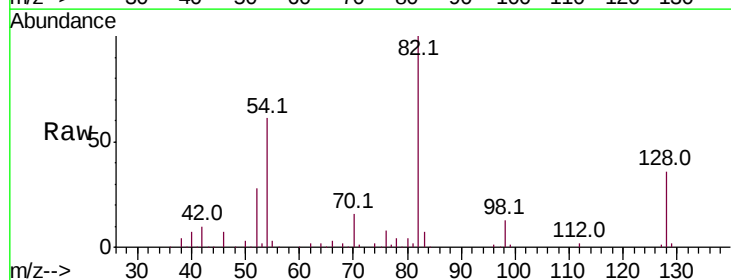


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

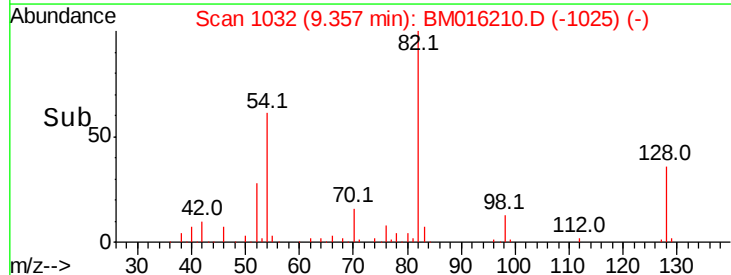
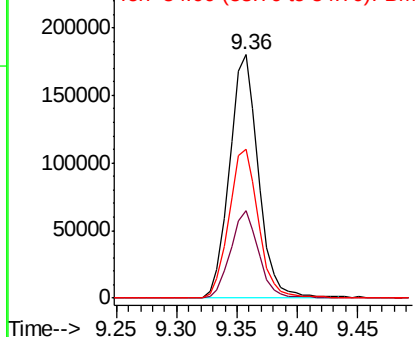


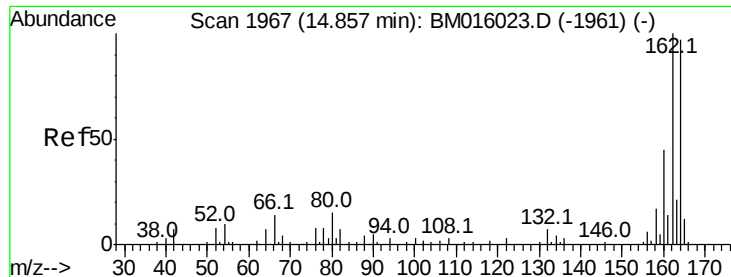
#23  
Nitrobenzene-d5  
Concen: N.D. ng  
RT: 9.36 min Scan# 1032  
Delta R.T. -0.06 min  
Lab File: BM016210.D  
Acq: 07 Aug 2018 02:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 300618 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.9  | 32.8  | 49.2   |
| 54       | 61.0  | 40.6  | 60.8#  |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1957

Delta R.T. -0.06 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

Instrument :

BNA\_M

ClientSampleId :

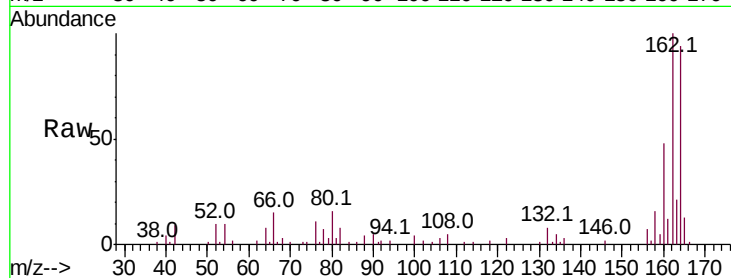
Tot Ion:164 Resp: 64952

Ion Ratio Lower Upper

164 100

162 106.7 82.4 123.6

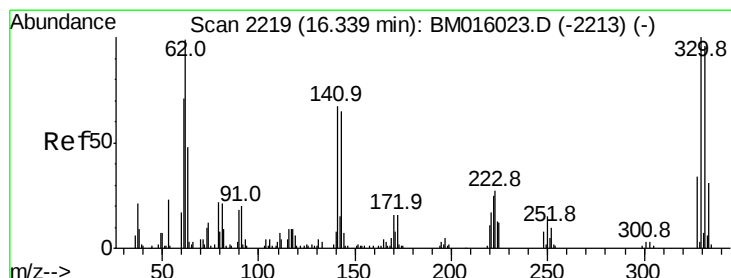
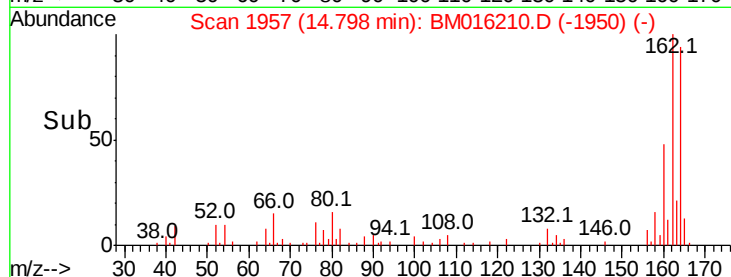
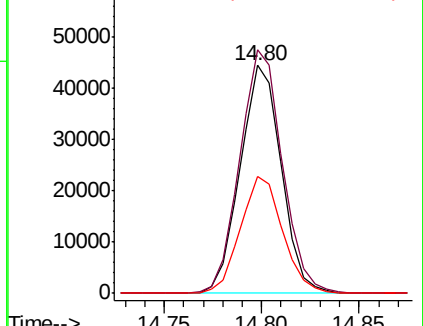
160 51.2 35.8 53.6



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: N.D. ng

RT: 16.29 min Scan# 2210

Delta R.T. -0.05 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

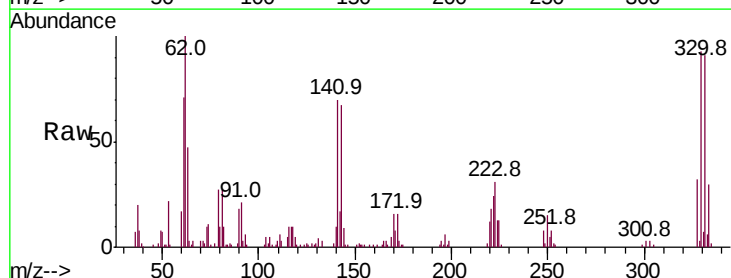
Tgt Ion:330 Resp: 75872

Ion Ratio Lower Upper

330 100

332 97.3 0.0 0.0#

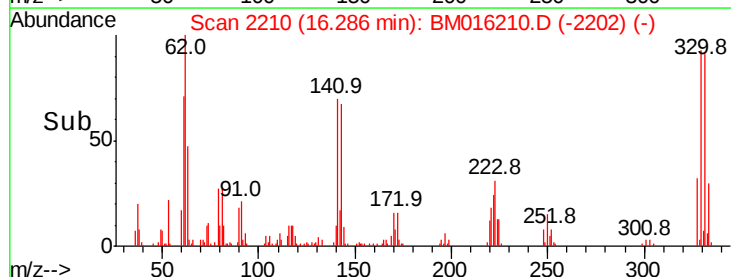
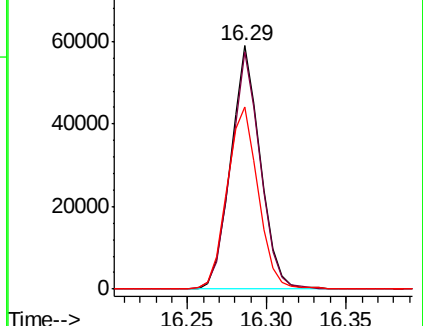
141 78.8 0.0 0.0#

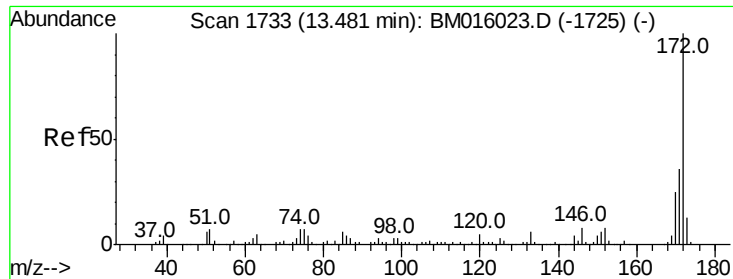


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

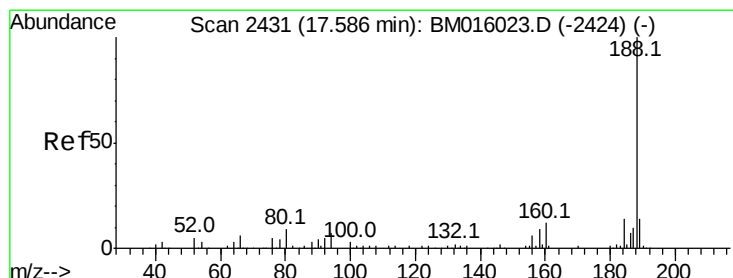
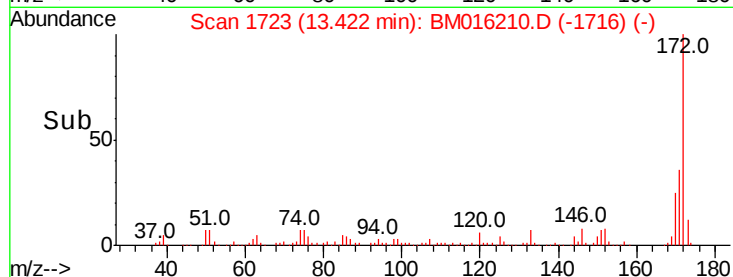
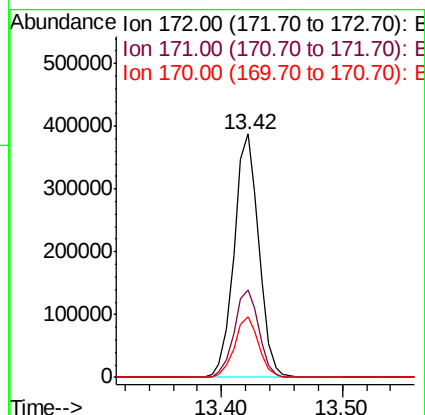
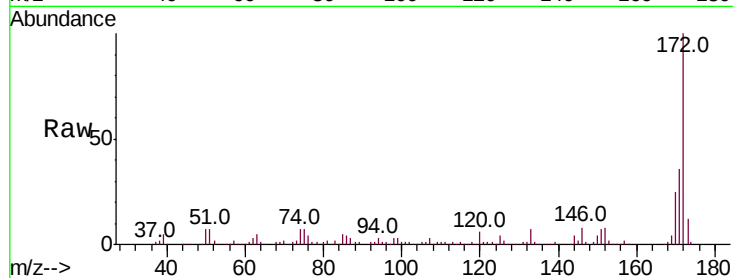




#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.42 min Scan# 1723  
 Delta R.T. -0.06 min  
 Lab File: BM016210.D  
 Acq: 07 Aug 2018 02:38

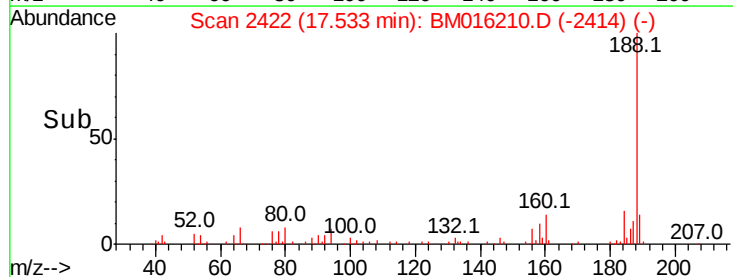
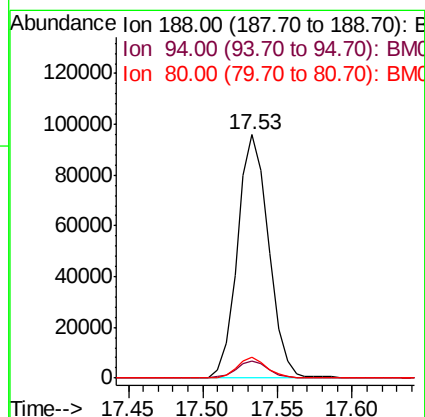
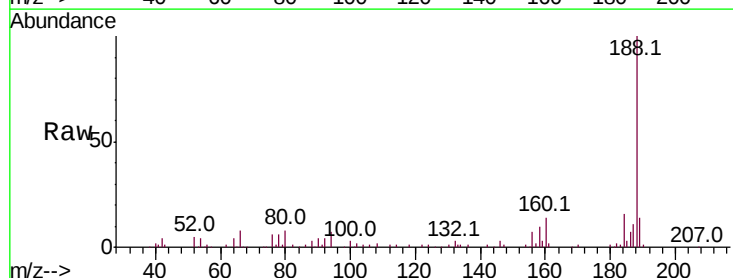
Instrument :  
 BNA\_M  
 ClientSampled :

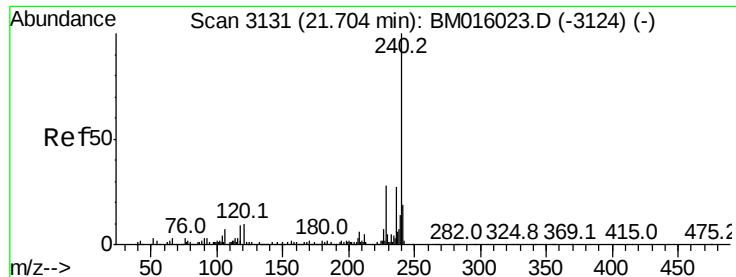
Tot Ion:172 Resp: 549081  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.5 42.7  
 170 24.8 18.8 28.2



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.53 min Scan# 2422  
 Delta R.T. -0.05 min  
 Lab File: BM016210.D  
 Acq: 07 Aug 2018 02:38

Tgt Ion:188 Resp: 138968  
 Ion Ratio Lower Upper  
 188 100  
 94 6.8 8.7 13.1#  
 80 8.3 9.3 13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3124

Delta R.T. -0.04 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

Instrument :

BNA\_M

ClientSampleId :

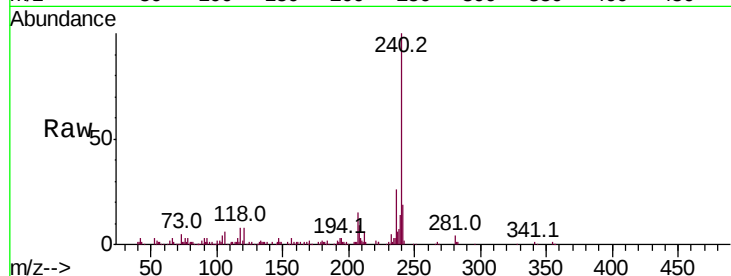
Tot Ion:240 Resp: 149939

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

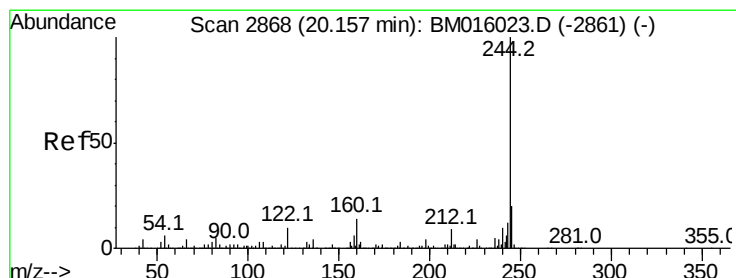
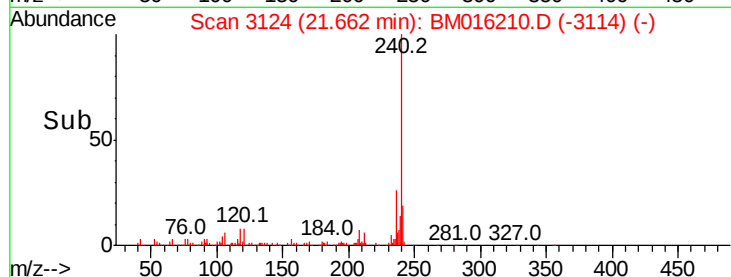
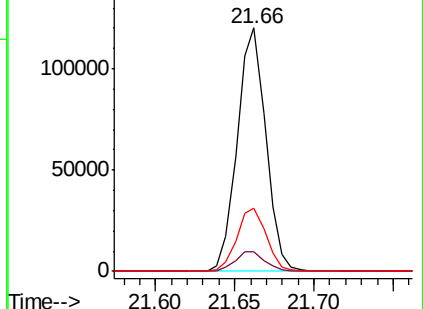
236 25.9 20.0 30.0



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: Below ng

RT: 20.11 min Scan# 2860

Delta R.T. -0.05 min

Lab File: BM016210.D

Acq: 07 Aug 2018 02:38

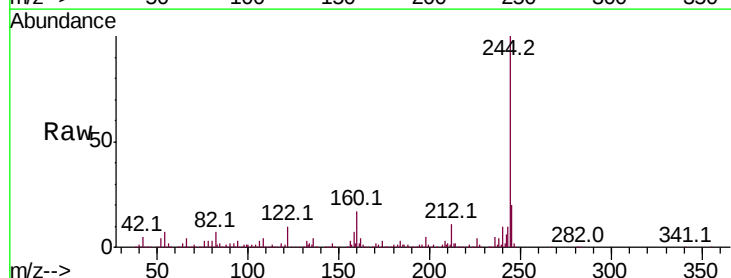
Tgt Ion:244 Resp: 782504

Ion Ratio Lower Upper

244 100

212 10.5 4.9 7.3#

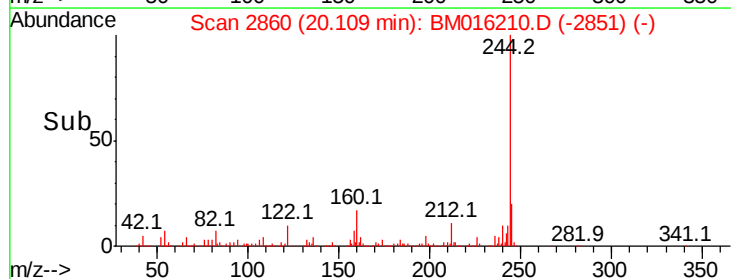
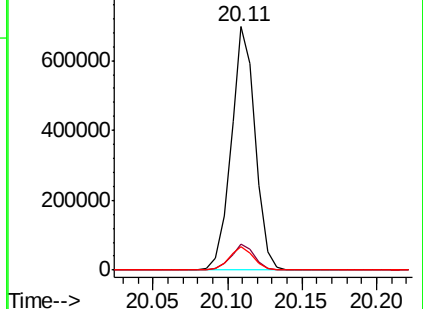
122 9.7 6.2 9.4#

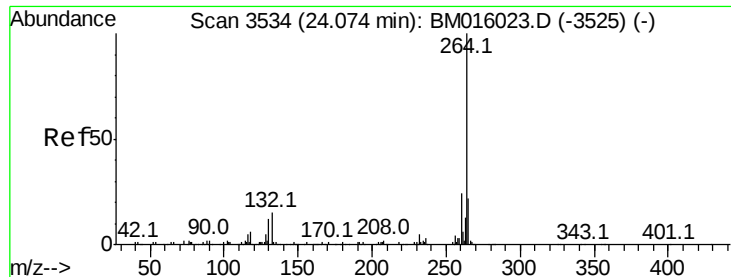


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

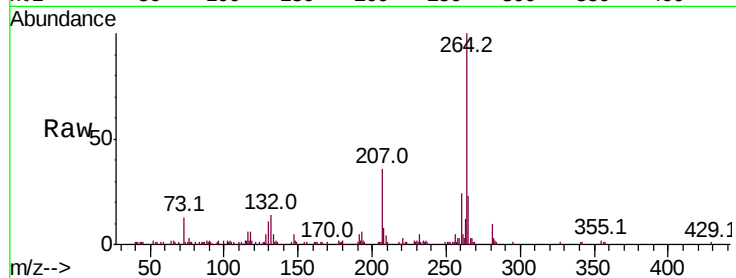




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.01 min Scan# 3523  
 Delta R.T. -0.07 min  
 Lab File: BM016210.D  
 Acq: 07 Aug 2018 02:38

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.6  | 27.8  |
| 265     | 23.1  | 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

