

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052317\  
 Data File : BM010164.D  
 Acq On : 24 May 2017 04:59  
 Operator : SJ/MA  
 Sample : I3222-09  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 24 07:47:35 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

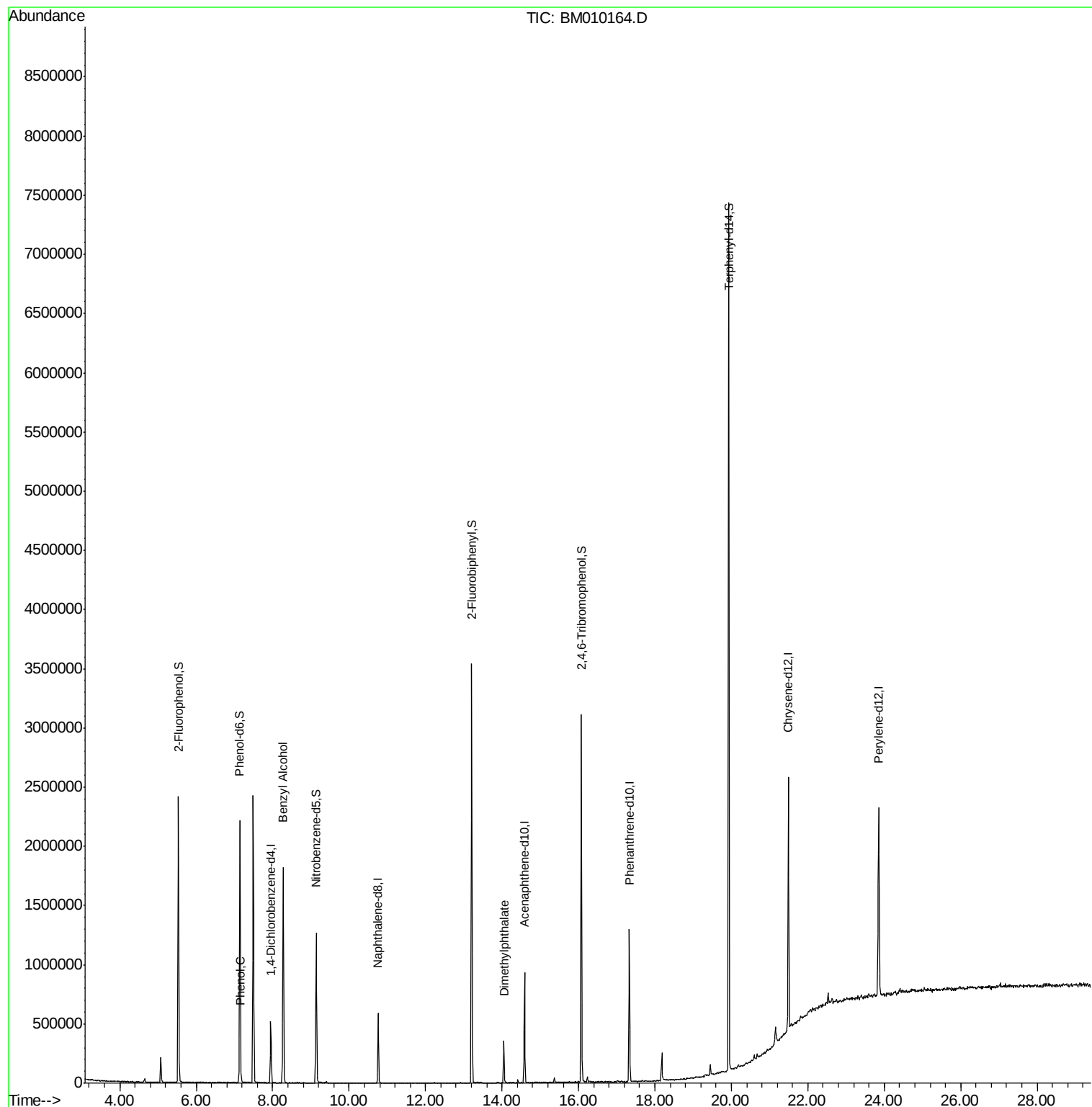
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.96  | 152  | 133436   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.76 | 136  | 444713   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 14.59 | 164  | 286493   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 17.33 | 188  | 740785   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12            | 21.49 | 240  | 1117999  | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 23.85 | 264  | 1263957  | 20.00  | ng    | -0.04     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.53  | 112  | 856521   | 115.92 | ng    | -0.02     |
| 7) Phenol-d6                | 7.14  | 99   | 1087227  | 114.35 | ng    | -0.03     |
| 23) Nitrobenzene-d5         | 9.14  | 82   | 698143   | 84.70  | ng    | -0.03     |
| 41) 2,4,6-Tribromophenol    | 16.08 | 330  | 530006   | 121.81 | ng    | -0.02     |
| 44) 2-Fluorobiphenyl        | 13.21 | 172  | 1721008  | 77.23  | ng    | -0.02     |
| 78) Terphenyl-d14           | 19.93 | 244  | 3103514  | 63.12  | ng    | -0.02     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.17  | 94   | 24100    | 2.41   | ng    | Qvalue 95 |
| 15) Benzyl Alcohol          | 8.27  | 79   | 14450    | 2.01   | ng    | # 35      |
| 49) Dimethylphthalate       | 14.04 | 163  | 201455   | 7.88   | ng    | # 98      |

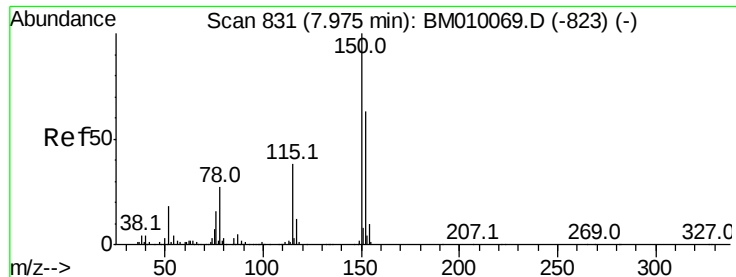
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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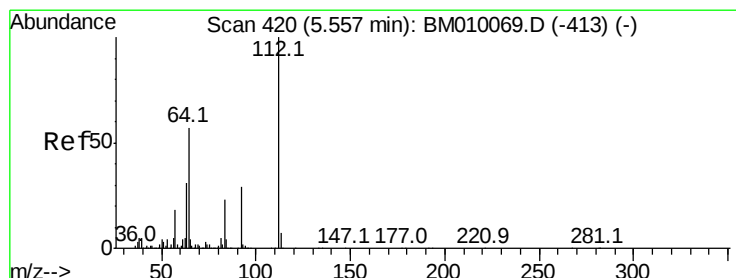
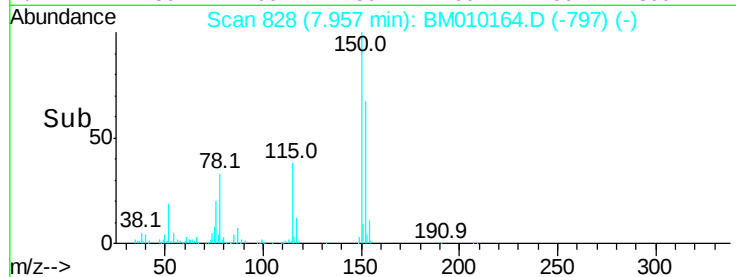
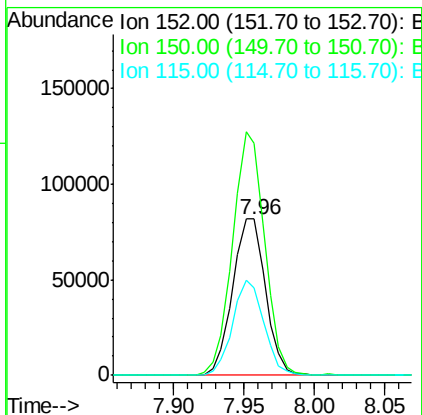
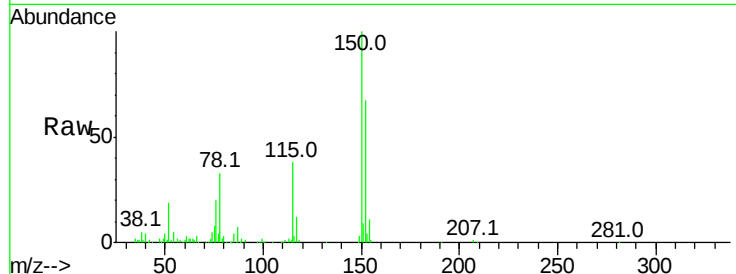


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.96 min Scan# 828  
Delta R.T. -0.02 min  
Lab File: BM010164.D  
Acq: 24 May 2017 04:59

Instrument :  
BNA\_M  
ClientSampleId :

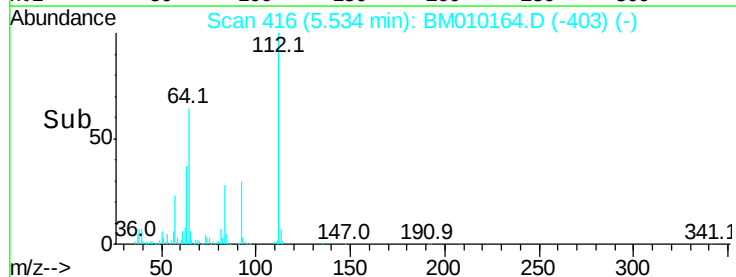
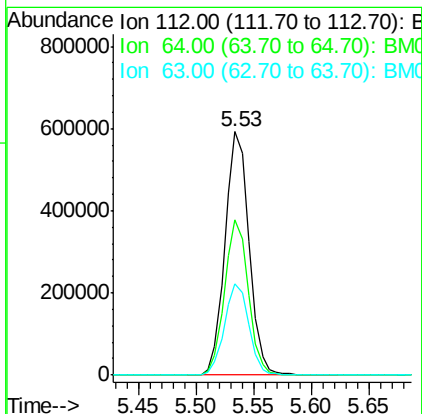
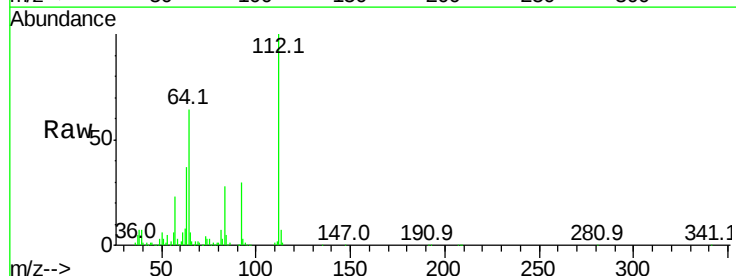
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.5 | 119.5 | 179.3 |
| 115     | 56.1  | 43.0  | 64.4  |



#5

2-Fluorophenol  
Concen: 115.92 ng  
RT: 5.53 min Scan# 416  
Delta R.T. -0.02 min  
Lab File: BM010164.D  
Acq: 24 May 2017 04:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.5  | 38.6  | 57.8# |
| 63      | 37.4  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 114.35 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.03 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Instrument :

BNA\_M

ClientSampleId :

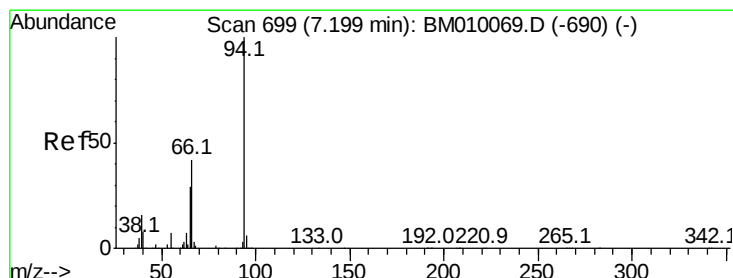
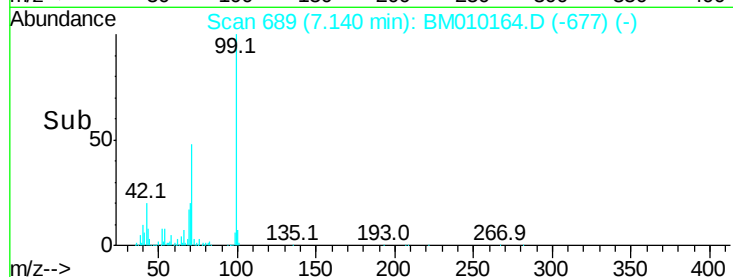
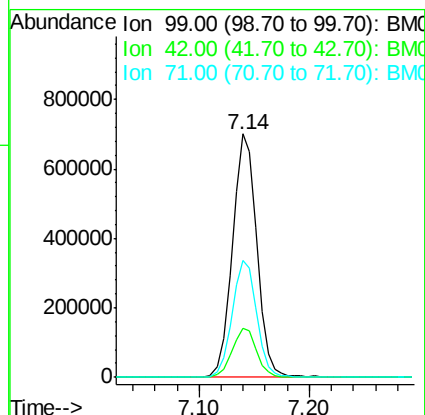
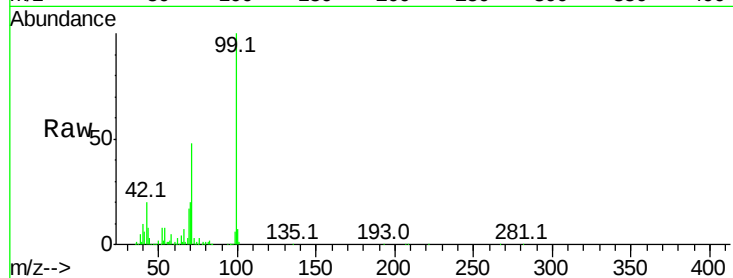
Tot Ion: 99 Resp: 1087227

Ion Ratio Lower Upper

99 100

42 20.3 11.0 16.4#

71 48.1 23.4 35.2#



#10

Phenol

Concen: 2.41 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.03 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

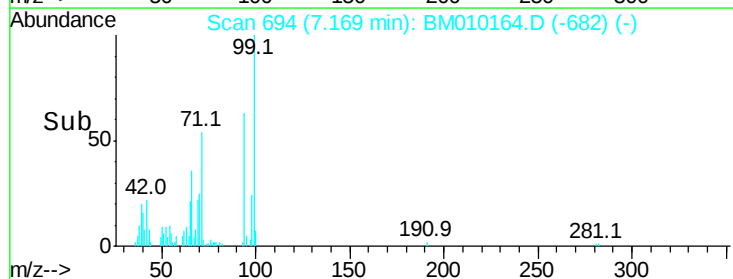
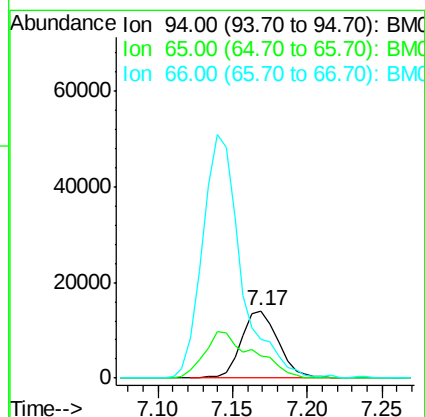
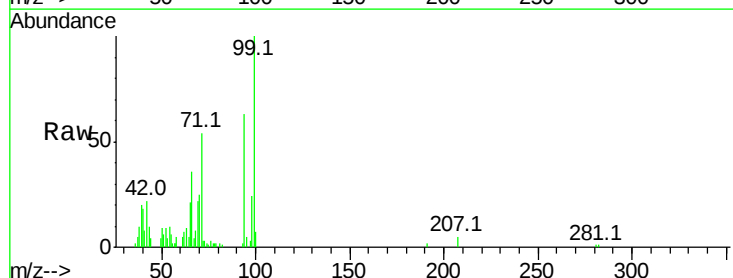
Tgt Ion: 94 Resp: 24100

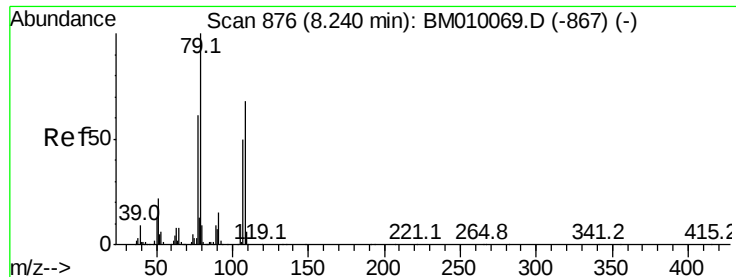
Ion Ratio Lower Upper

94 100

65 33.8 18.8 58.8

66 58.1 39.9 79.9





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 8.27 min Scan# 882

Delta R.T. 0.04 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Instrument :

BNA\_M

ClientSampleId :

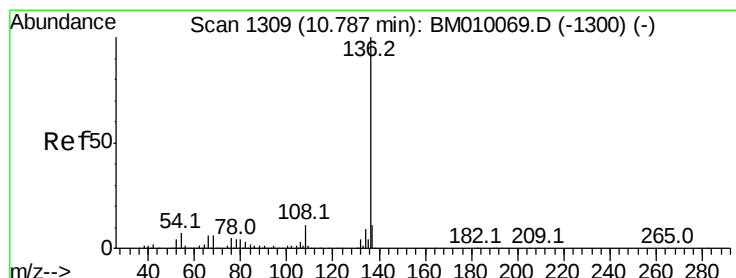
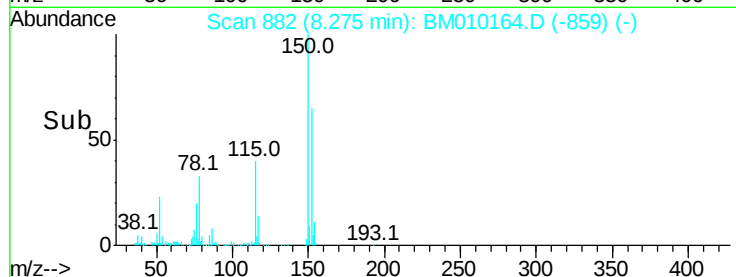
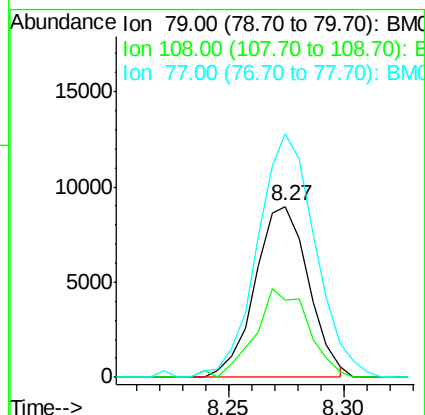
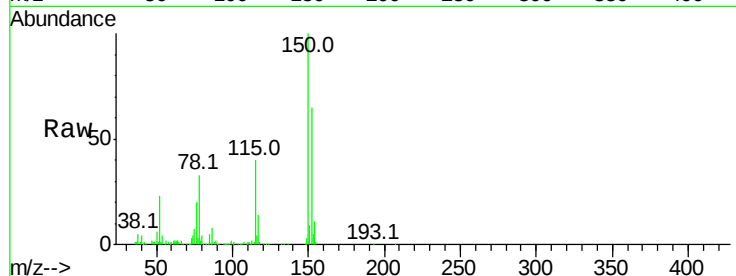
Tot Ion: 79 Resp: 14450

Ion Ratio Lower Upper

79 100

108 45.4 65.0 97.4#

77 142.7 53.0 79.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Tgt Ion: 136 Resp: 444713

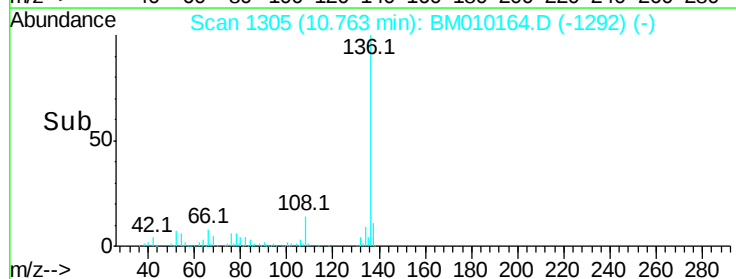
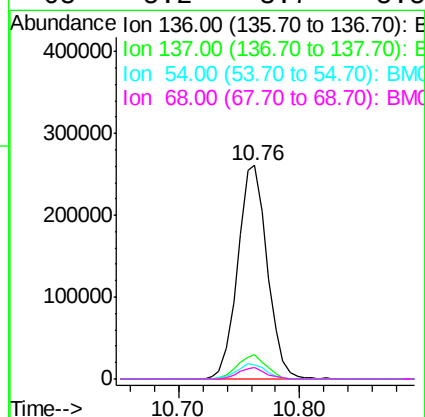
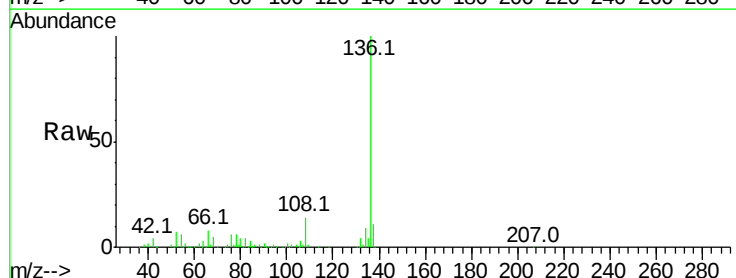
Ion Ratio Lower Upper

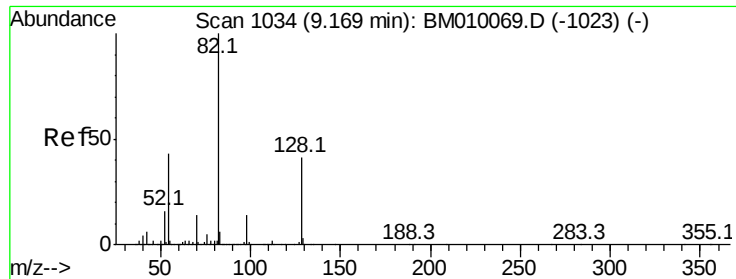
136 100

137 11.4 8.7 13.1

54 6.5 4.6 6.8

68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 84.70 ng

RT: 9.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Instrument :

BNA\_M

ClientSampleId :

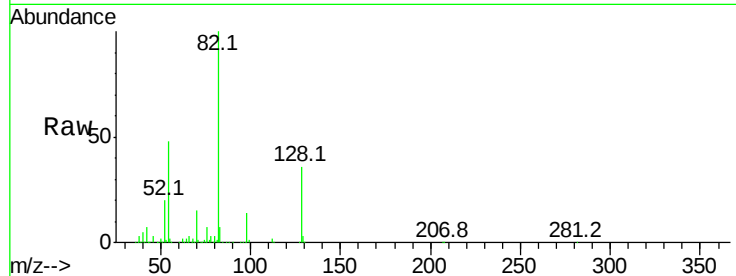
Tot Ion: 82 Resp: 698143

Ion Ratio Lower Upper

82 100

128 35.9 32.8 49.2

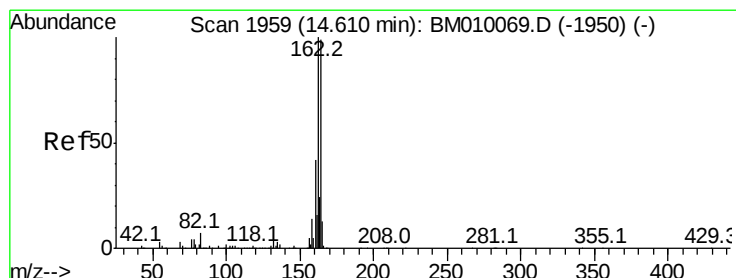
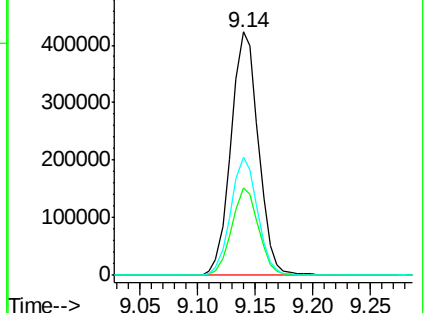
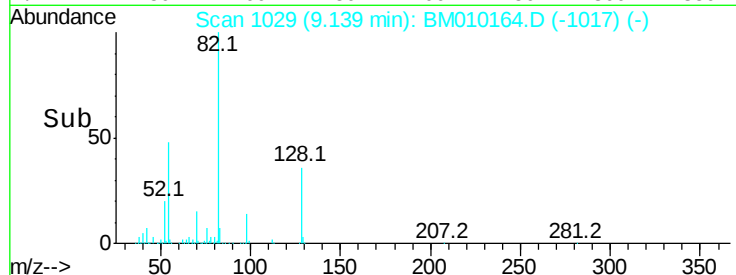
54 48.3 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM010164.D (-1017) (-)

Ion 128.00 (127.70 to 128.70): BM010164.D (-1017) (-)

Ion 54.00 (53.70 to 54.70): BM010164.D (-1017) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.59 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

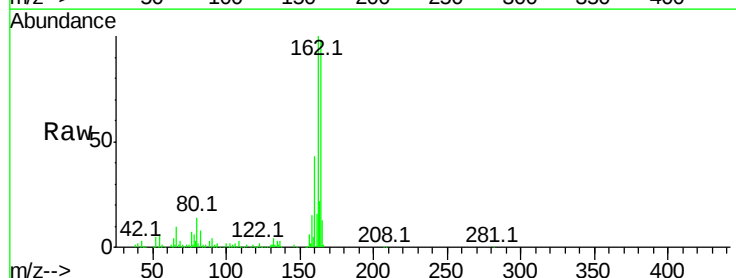
Tgt Ion: 164 Resp: 286493

Ion Ratio Lower Upper

164 100

162 102.3 82.4 123.6

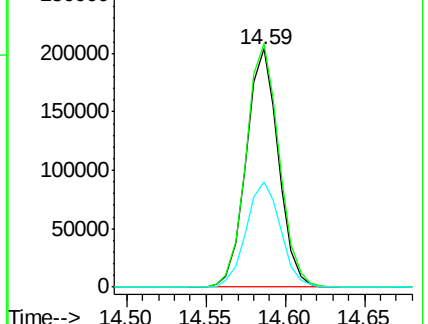
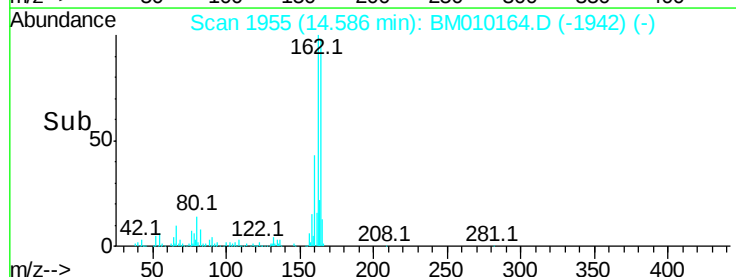
160 44.2 35.8 53.6

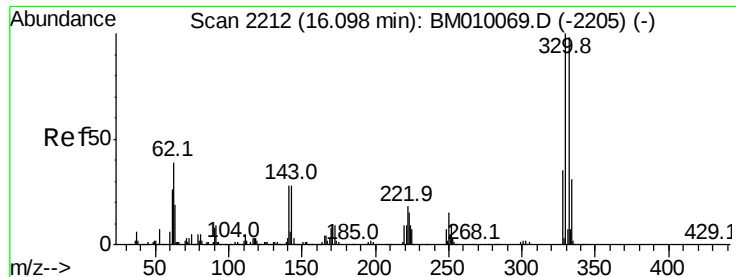


Abundance Ion 164.00 (163.70 to 164.70): BM010164.D (-1942) (-)

Ion 162.00 (161.70 to 162.70): BM010164.D (-1942) (-)

Ion 160.00 (159.70 to 160.70): BM010164.D (-1942) (-)





#41

2,4,6-Tribromophenol

Concen: 121.81 ng

RT: 16.08 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Instrument :

BNA\_M

ClientSampled :

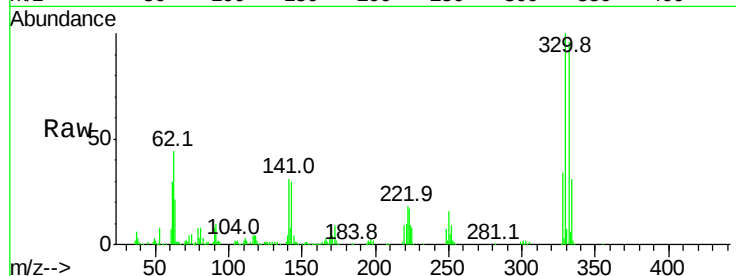
Tot Ion:330 Resp: 530006

Ion Ratio Lower Upper

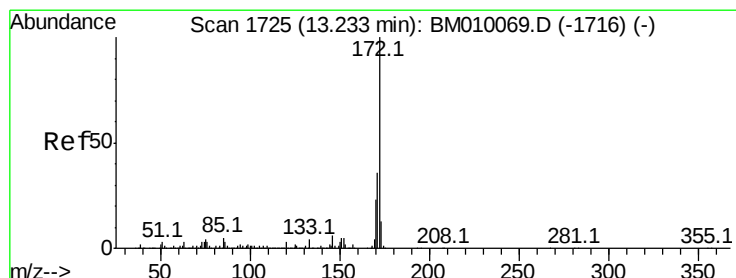
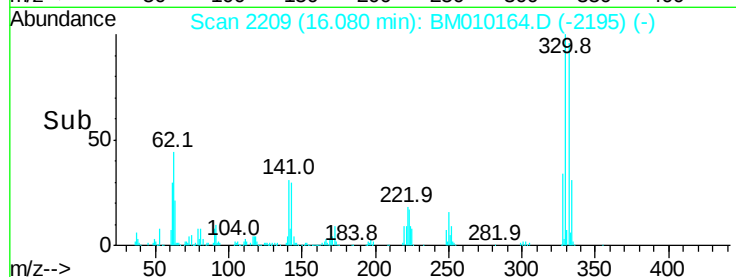
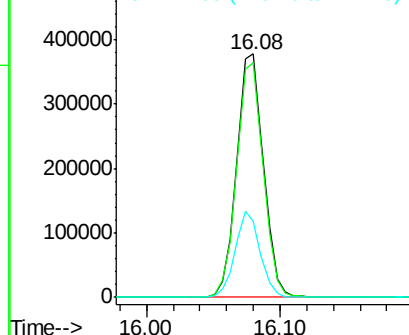
330 100

332 95.8 0.0 0.0#

141 33.1 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: 77.23 ng

RT: 13.21 min Scan# 1721

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

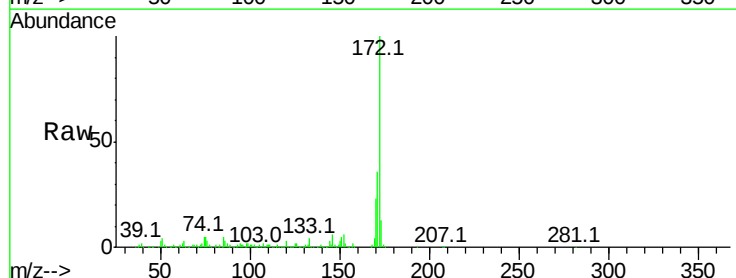
Tgt Ion:172 Resp: 1721008

Ion Ratio Lower Upper

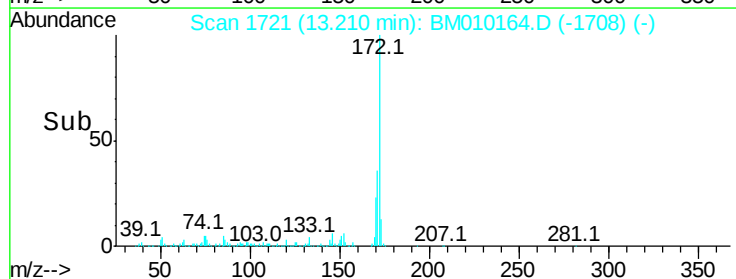
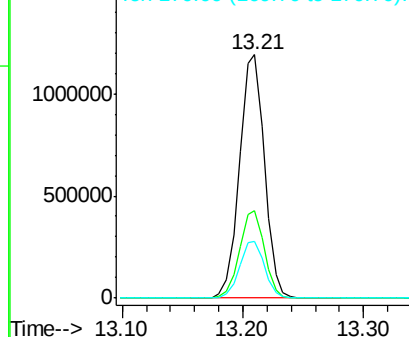
172 100

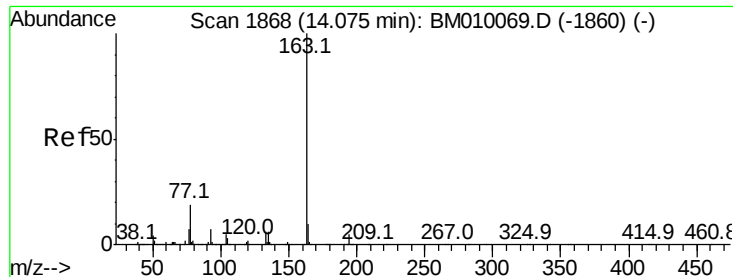
171 36.0 28.5 42.7

170 23.4 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

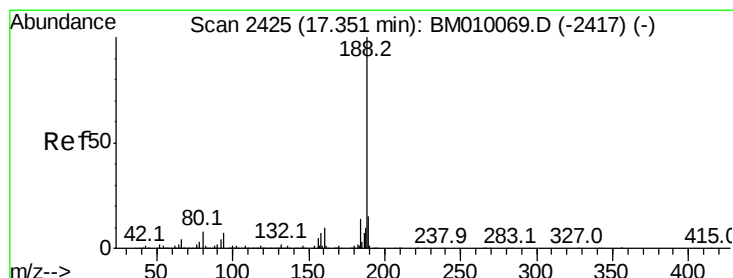
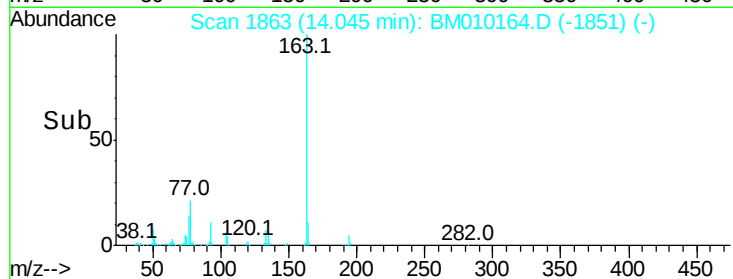
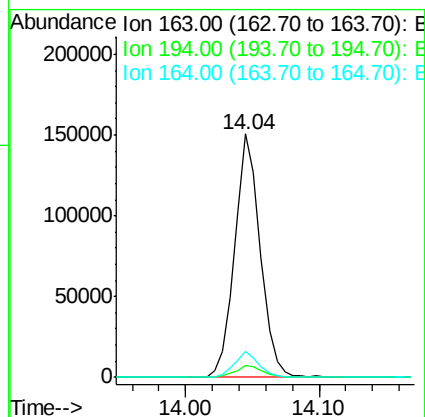
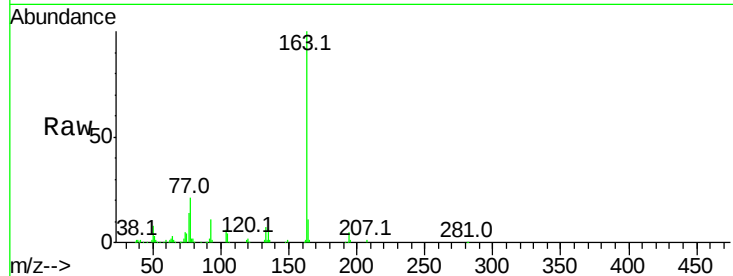




#49  
Dimethylphthalate  
Concen: 7.88 ng  
RT: 14.04 min Scan# 1863  
Delta R.T. -0.03 min  
Lab File: BM010164.D  
Acq: 24 May 2017 04:59

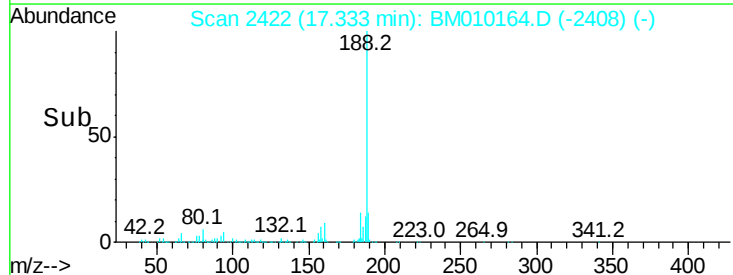
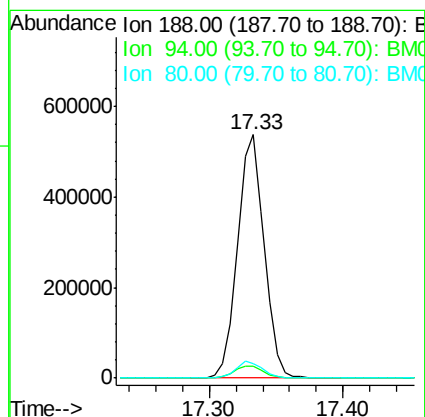
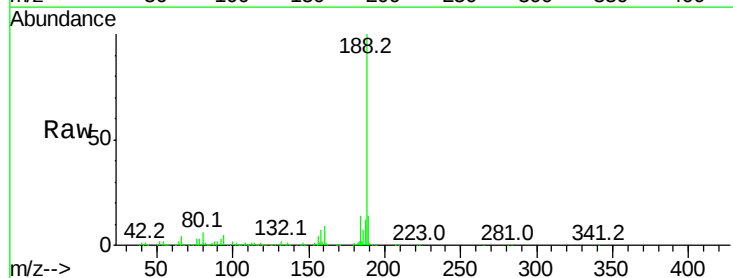
Instrument :  
BNA\_M  
ClientSampleId :

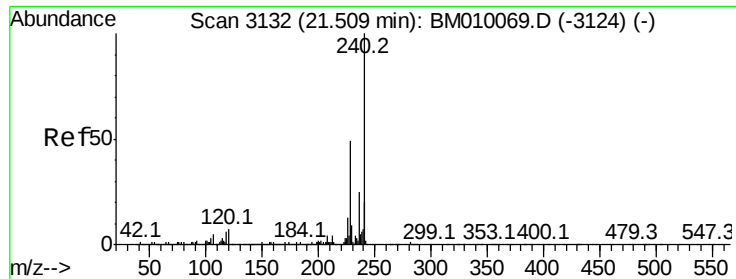
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.1   | 2.7   | 4.1#  |
| 164     | 10.6  | 8.2   | 12.2  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.33 min Scan# 2422  
Delta R.T. -0.02 min  
Lab File: BM010164.D  
Acq: 24 May 2017 04:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 4.9   | 8.7   | 13.1# |
| 80      | 6.1   | 9.3   | 13.9# |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.49 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

Instrument :

BNA\_M

ClientSampled :

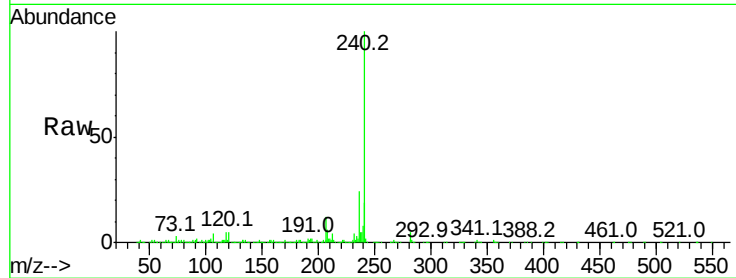
Tot Ion:240 Resp: 1117999

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 5.0   | 8.2   | 12.2# |
| 236 | 24.0  | 20.0  | 30.0  |

240 100

120 5.0 8.2 12.2#

236 24.0 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

21.49

800000

600000

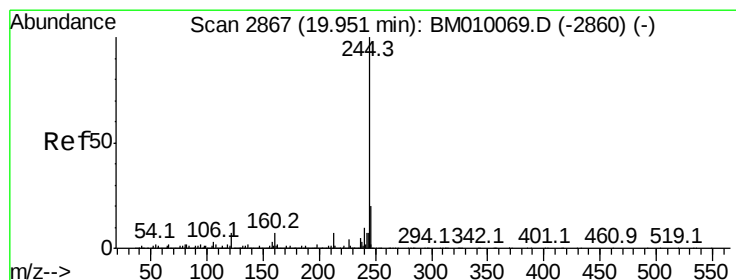
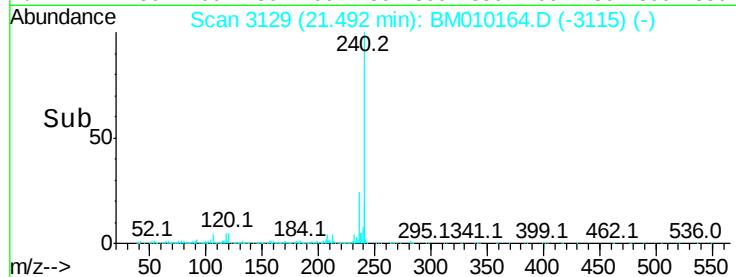
400000

200000

0

Time-->

21.40 21.50 21.60



#78

Terphenyl-d14

Concen: 63.12 ng

RT: 19.93 min Scan# 2864

Delta R.T. -0.02 min

Lab File: BM010164.D

Acq: 24 May 2017 04:59

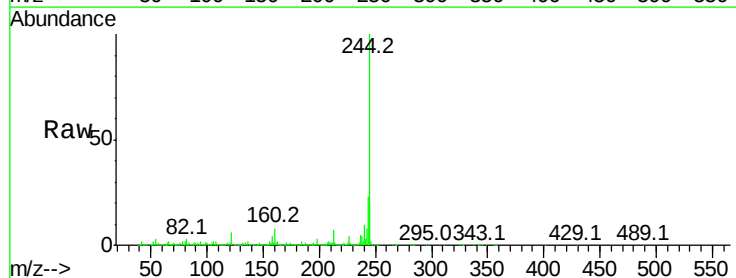
Tgt Ion:244 Resp: 3103514

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 4.9   | 7.3   |
| 122 | 6.0   | 6.2   | 9.4#  |

244 100

212 7.3 4.9 7.3

122 6.0 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

19.93

3000000

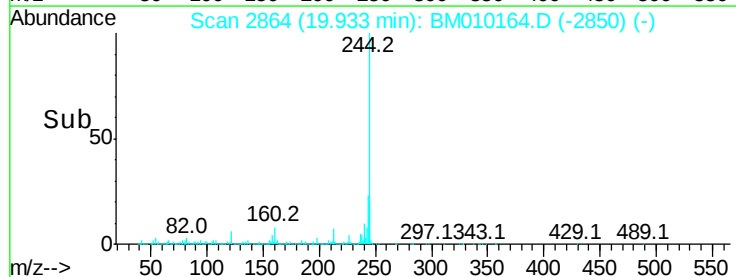
2000000

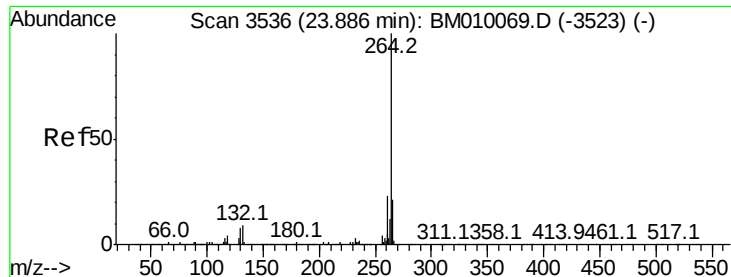
1000000

0

Time-->

19.90 20.00



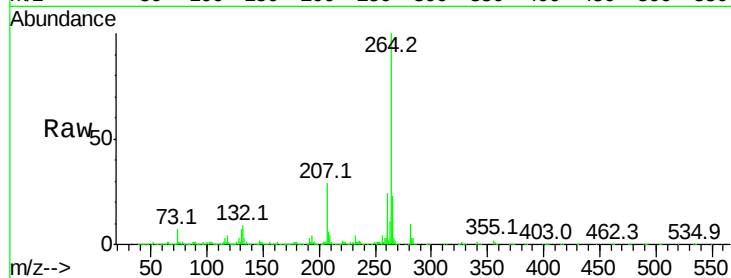


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.85 min Scan# 3530  
Delta R.T. -0.04 min  
Lab File: BM010164.D  
Acq: 24 May 2017 04:59

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:264 Resp: 1263957  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 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

