

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\  
 Data File : BM003741.D  
 Acq On : 23 Dec 2015 11:08  
 Operator : UM/SJ  
 Sample : G4940-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 23 11:45:57 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 18:52:47 2015  
 Response via : Initial Calibration

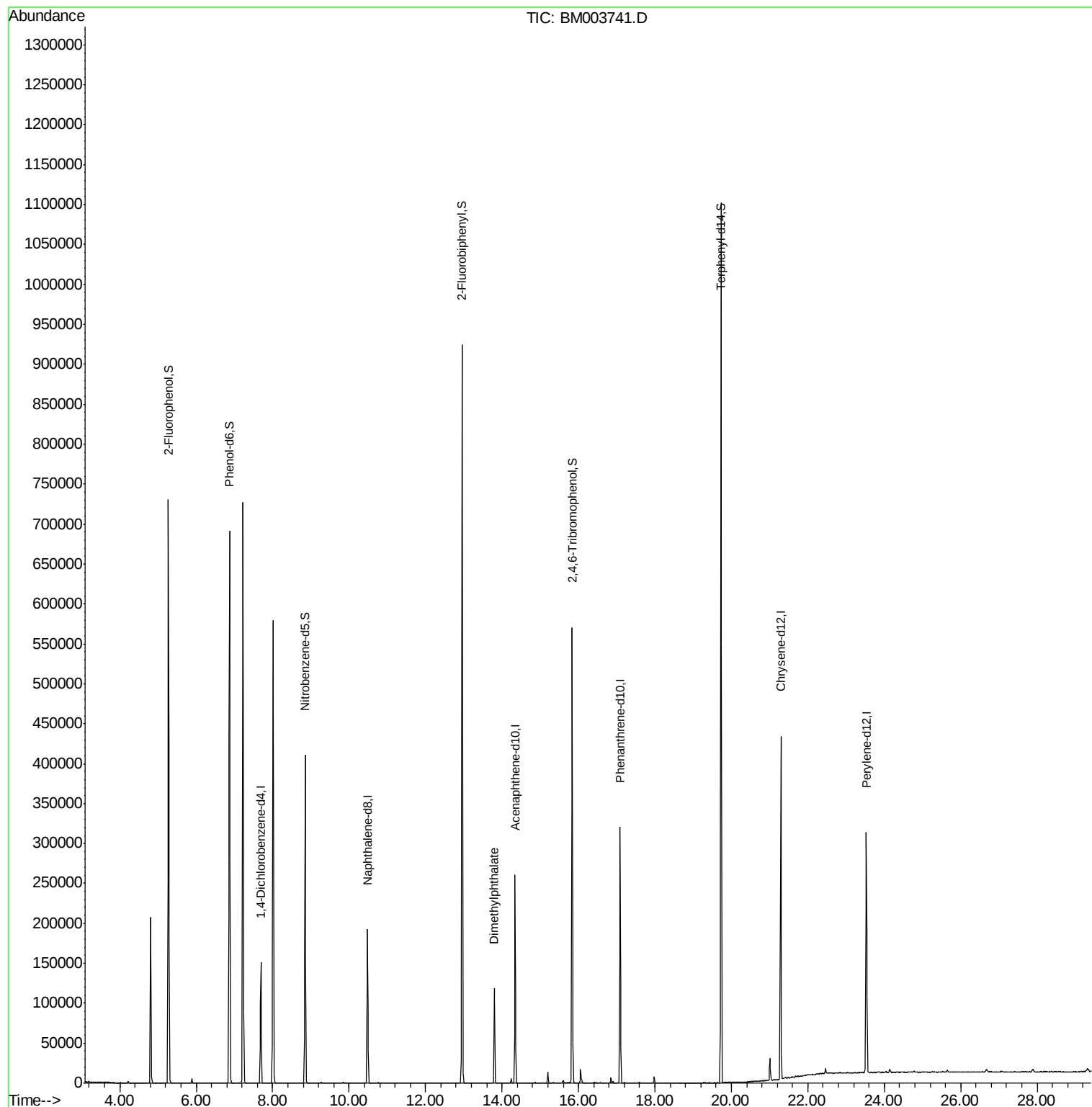
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 41950    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.48 | 136  | 166149   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.34 | 164  | 85705    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.09 | 188  | 184738   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.29 | 240  | 200170   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 23.53 | 264  | 207482   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.27  | 112  | 328304   | 139.14 | ng    | -0.03    |
| 7) Phenol-d6                | 6.87  | 99   | 420190   | 128.25 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 245605   | 91.65  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 15.84 | 330  | 93369    | 109.08 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 12.96 | 172  | 482318   | 76.67  | ng    | -0.04    |
| 78) Terphenyl-d14           | 19.73 | 244  | 475187   | 55.98  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 13.80 | 163  | 78514    | 11.12  | ng    | # 99     |

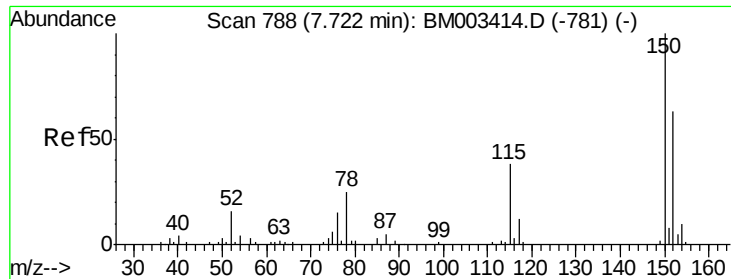
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Dec 23 11:45:57 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 09 18:52:47 2015  
Response via : Initial Calibration



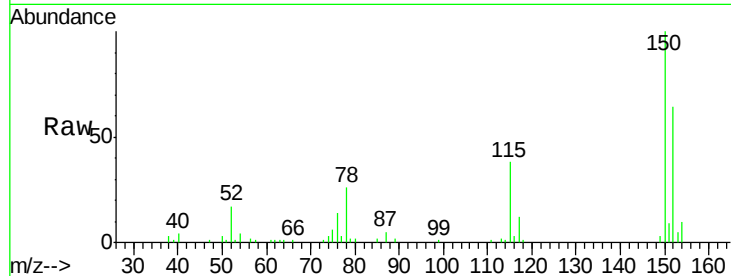


#1

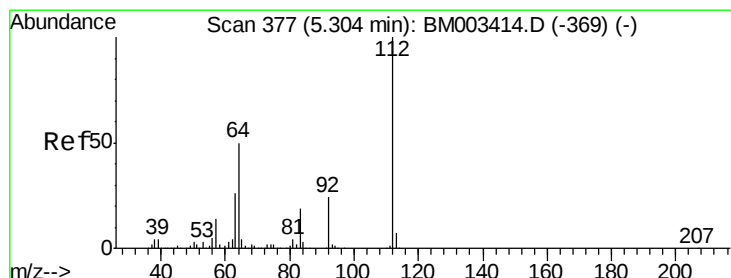
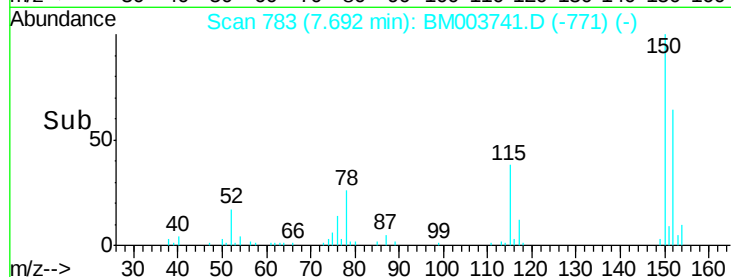
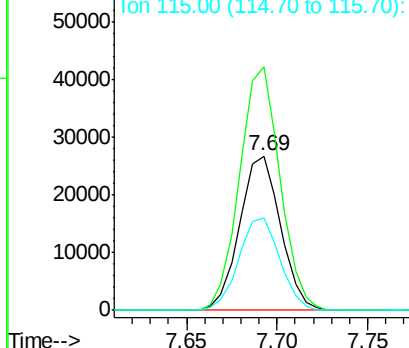
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 783  
Delta R.T. -0.03 min  
Lab File: BM003741.D  
Acq: 23 Dec 2015 11:08

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 41950  
Ion Ratio Lower Upper  
152 100  
150 157.5 119.5 179.3  
115 60.0 43.0 64.4



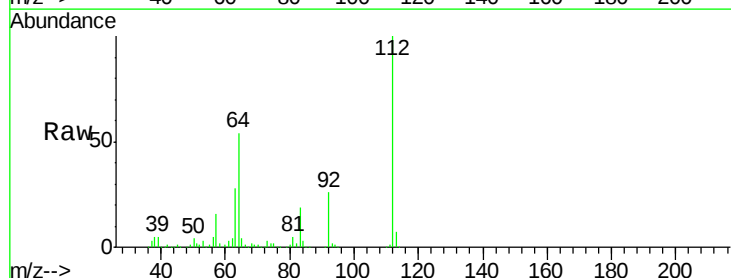
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



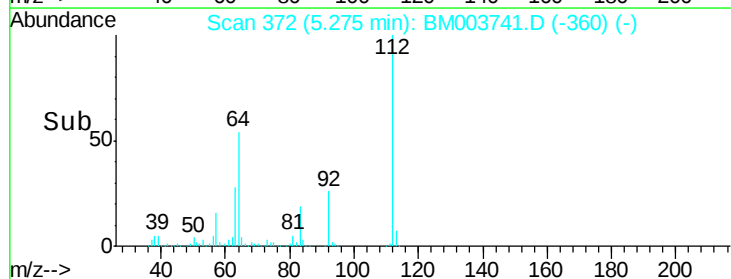
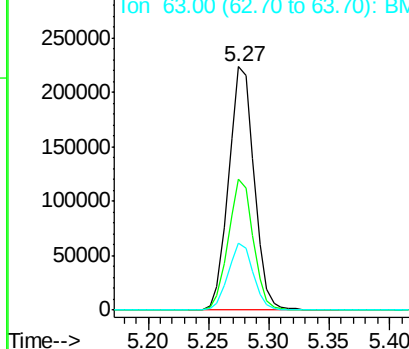
#5

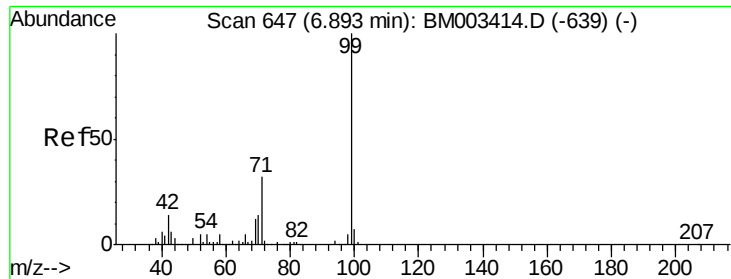
2-Fluorophenol  
Concen: 139.14 ng  
RT: 5.27 min Scan# 372  
Delta R.T. -0.03 min  
Lab File: BM003741.D  
Acq: 23 Dec 2015 11:08

Tgt Ion:112 Resp: 328304  
Ion Ratio Lower Upper  
112 100  
64 53.5 38.6 57.8  
63 27.5 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: 128.25 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

Instrument :

BNA\_M

ClientSampleId :

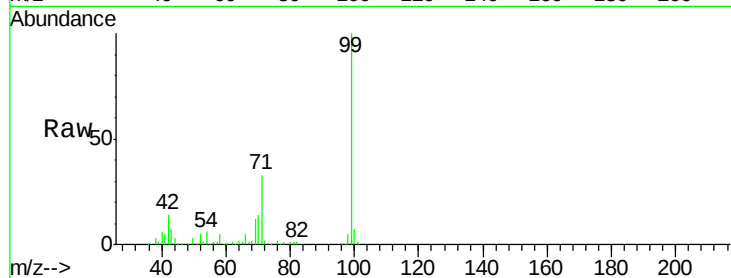
Tot Ion: 99 Resp: 420190

Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.4

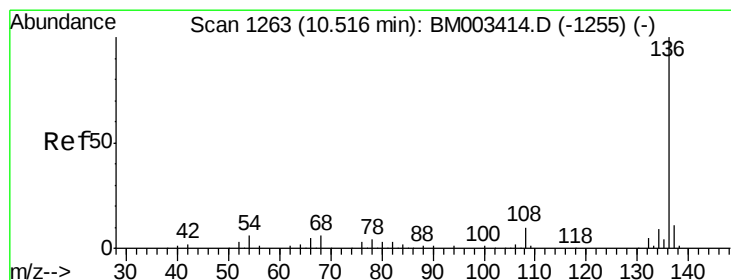
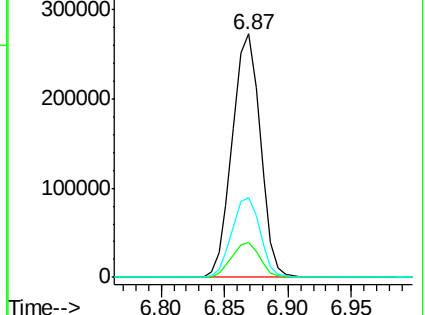
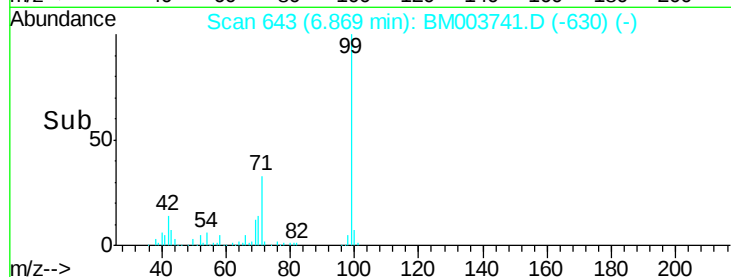
71 33.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003741.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003741.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003741.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

Tgt Ion: 136 Resp: 166149

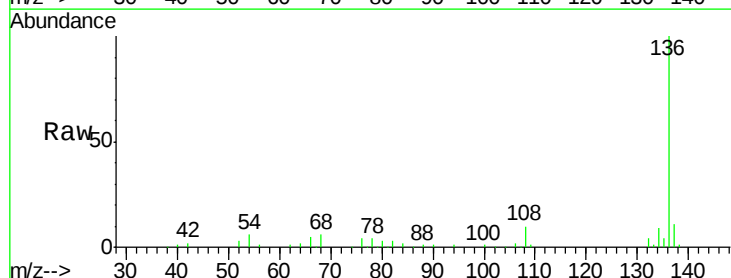
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.3 4.6 6.8

68 5.8 3.7 5.5#

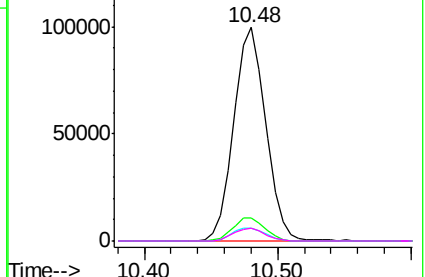
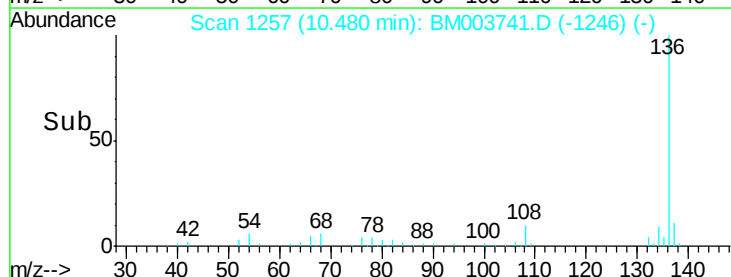


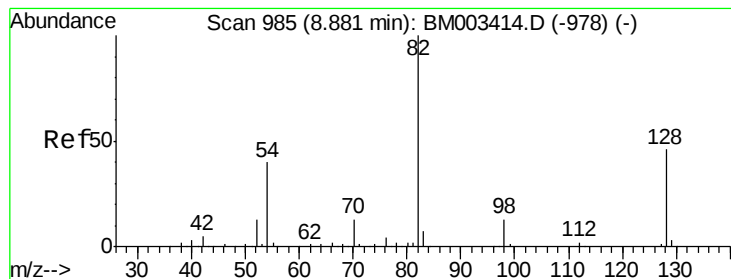
Abundance Ion 136.00 (135.70 to 136.70): BM003741.D (-1246) (-)

Ion 137.00 (136.70 to 137.70): BM003741.D (-1246) (-)

Ion 54.00 (53.70 to 54.70): BM003741.D (-1246) (-)

Ion 68.00 (67.70 to 68.70): BM003741.D (-1246) (-)





#23

Nitrobenzene-d5

Concen: 91.65 ng

RT: 8.85 min Scan# 980

Delta R.T. -0.03 min

Lab File: BM003741.D

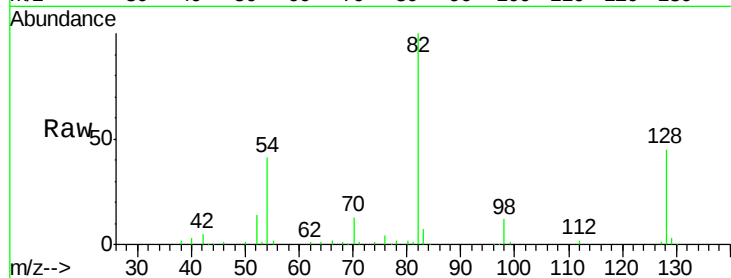
Acq: 23 Dec 2015 11:08

Instrument :

BNA\_M

ClientSampled :

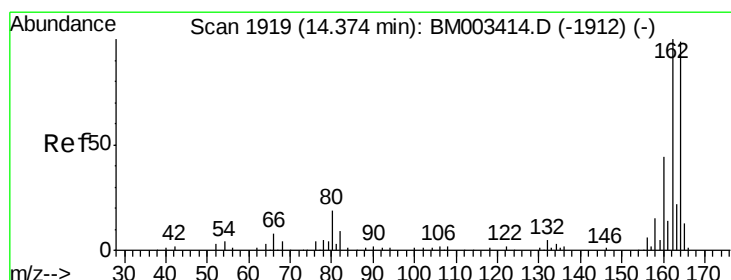
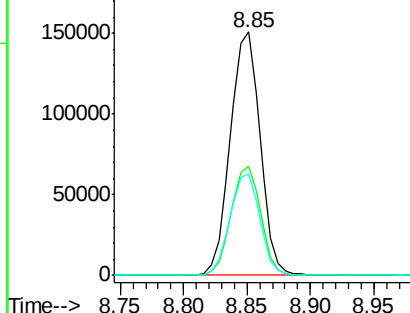
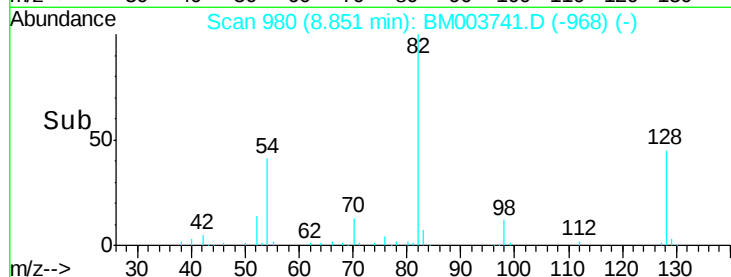
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 245605 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.7  | 32.8  | 49.2   |
| 54       | 41.5  | 40.6  | 60.8   |



Abundance Ion 82.00 (81.70 to 82.70): BM003741.D (-968) (-)

Ion 128.00 (127.70 to 128.70): BM003741.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM003741.D (-968) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

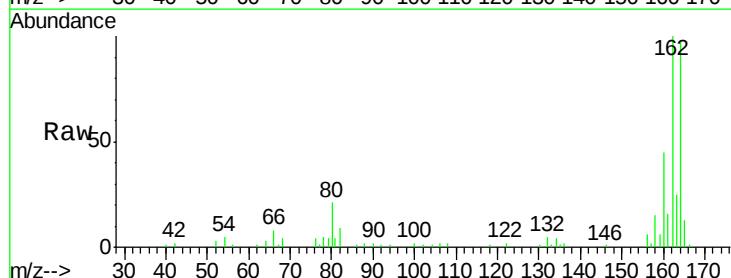
RT: 14.34 min Scan# 1914

Delta R.T. -0.03 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

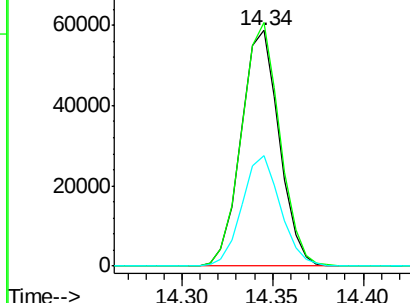
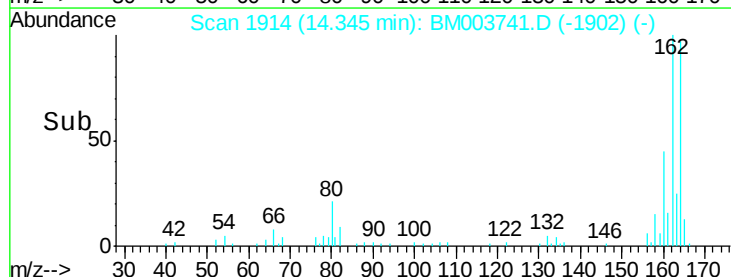
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 85705 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 103.3 | 82.4  | 123.6 |
| 160      | 46.6  | 35.8  | 53.6  |

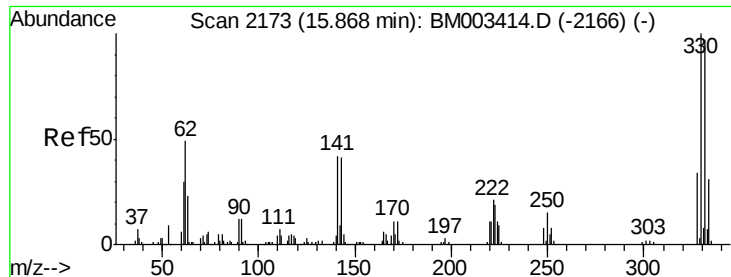


Abundance Ion 164.00 (163.70 to 164.70): BM003741.D (-1902) (-)

Ion 162.00 (161.70 to 162.70): BM003741.D (-1902) (-)

Ion 160.00 (159.70 to 160.70): BM003741.D (-1902) (-)





#41

2,4,6-Tribromophenol

Concen: 109.08 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

Instrument :

BNA\_M

ClientSampleId :

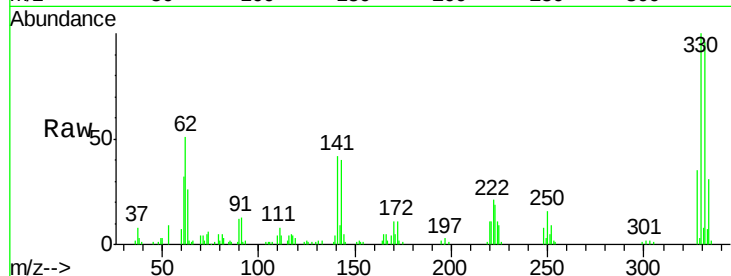
Tot Ion:330 Resp: 93369

Ion Ratio Lower Upper

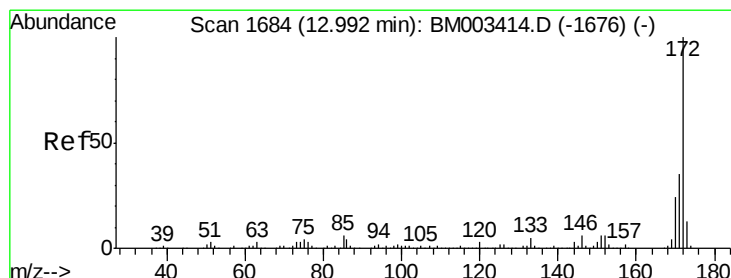
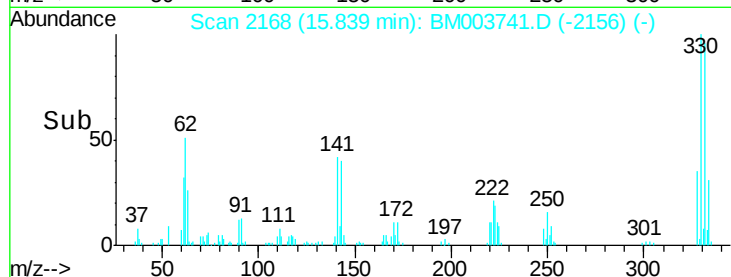
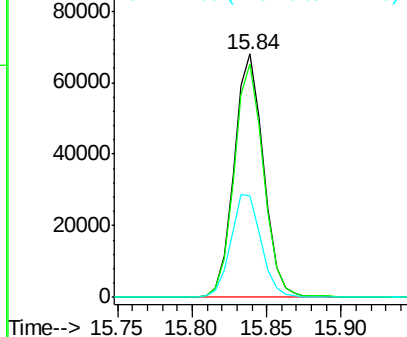
330 100

332 96.1 0.0 0.0#

141 43.6 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: 76.67 ng

RT: 12.96 min Scan# 1678

Delta R.T. -0.04 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

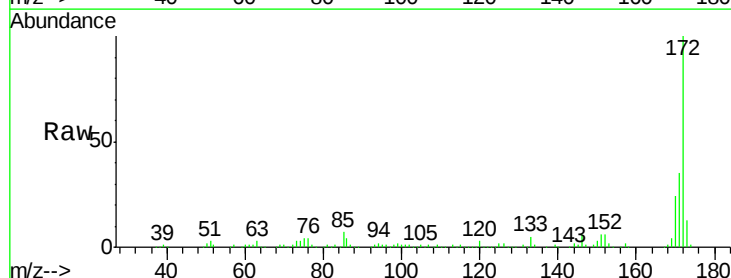
Tgt Ion:172 Resp: 482318

Ion Ratio Lower Upper

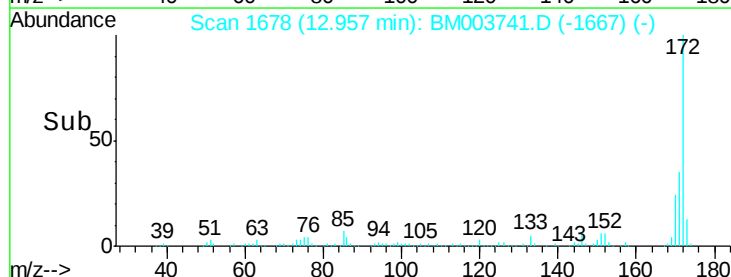
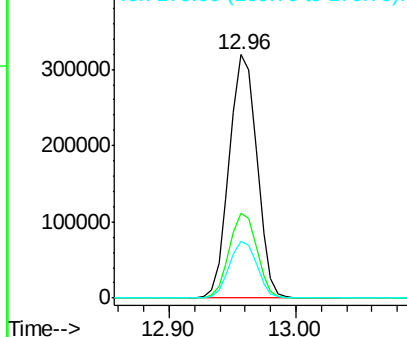
172 100

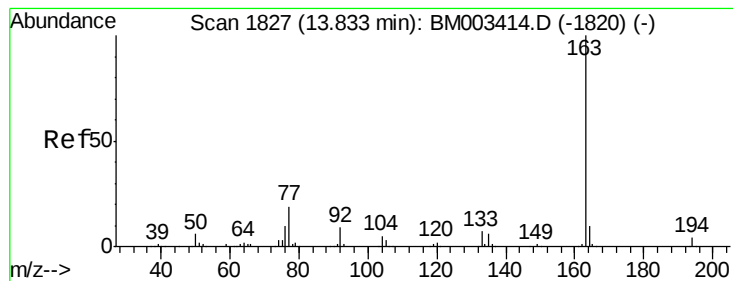
171 35.1 28.5 42.7

170 23.6 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: 11.12 ng

RT: 13.80 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

Instrument :

BNA\_M

ClientSampleId :

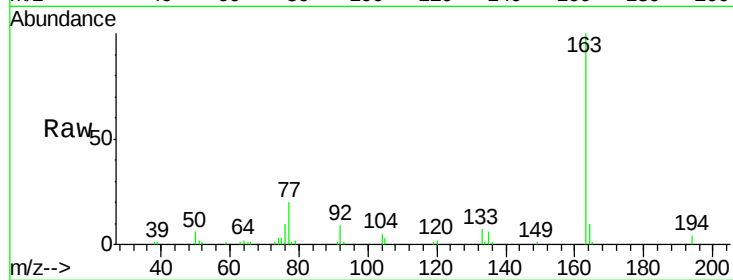
Tot Ion:163 Resp: 78514

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

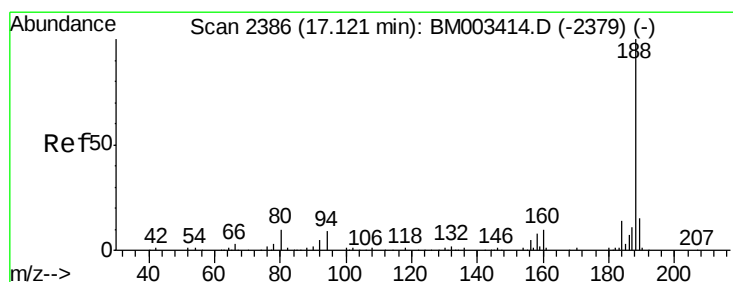
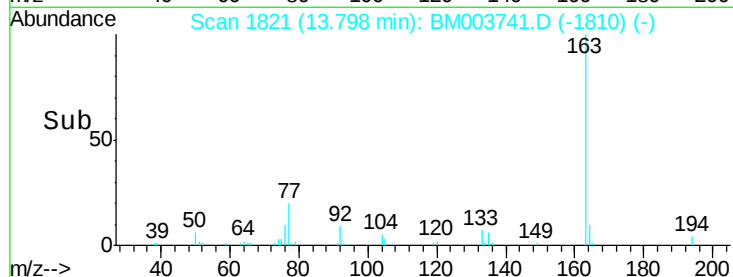
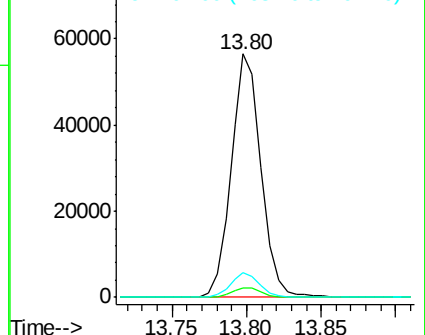
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.09 min Scan# 2381

Delta R.T. -0.03 min

Lab File: BM003741.D

Acq: 23 Dec 2015 11:08

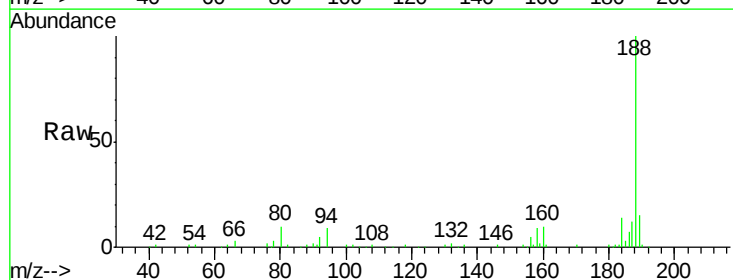
Tgt Ion:188 Resp: 184738

Ion Ratio Lower Upper

188 100

94 9.5 8.7 13.1

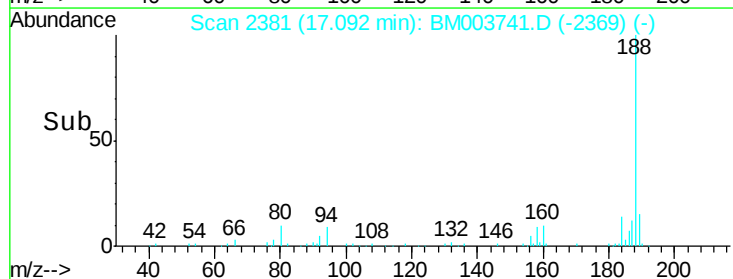
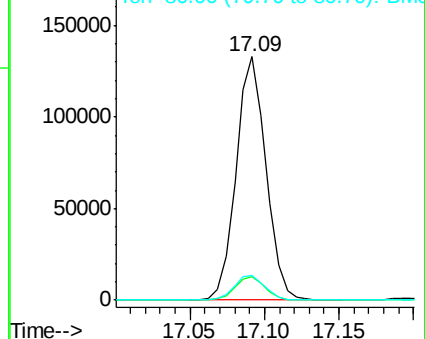
80 10.1 9.3 13.9

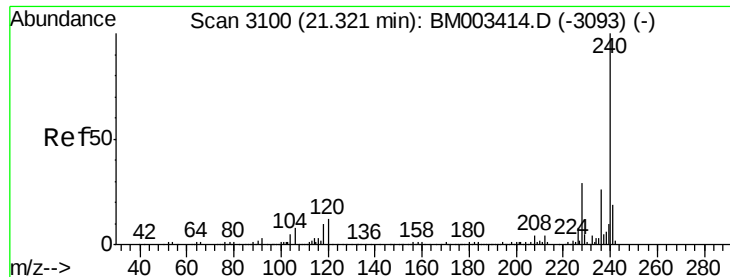


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

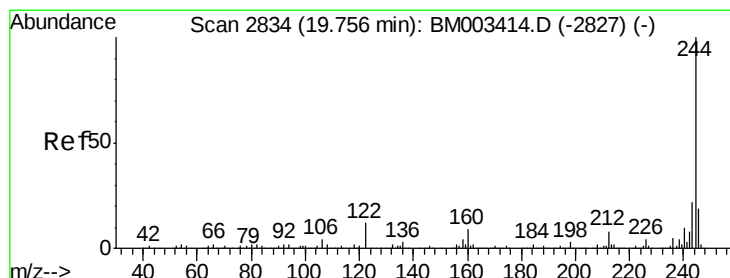
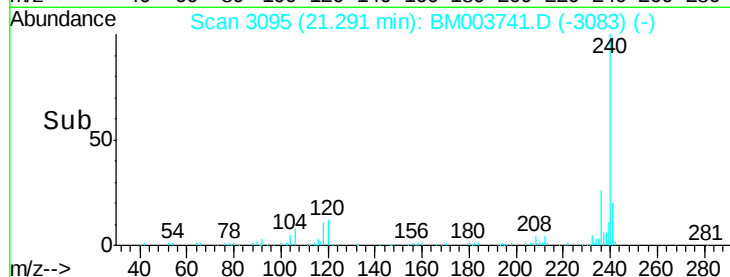
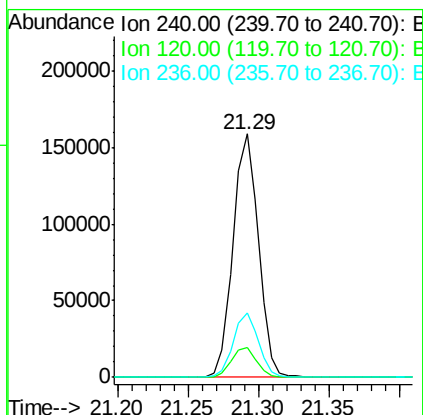
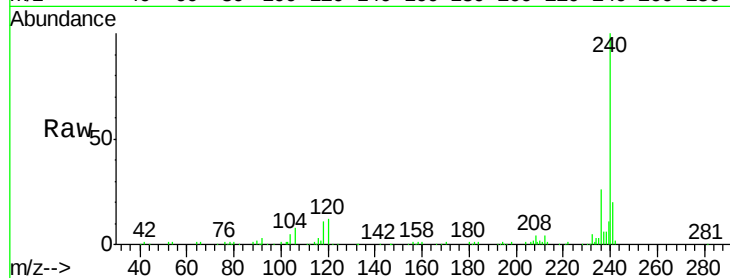




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.29 min Scan# 3095  
Delta R.T. -0.03 min  
Lab File: BM003741.D  
Acq: 23 Dec 2015 11:08

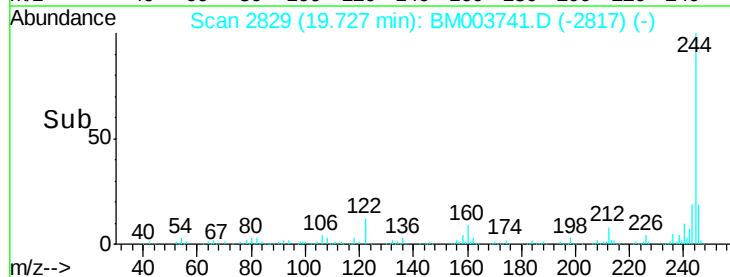
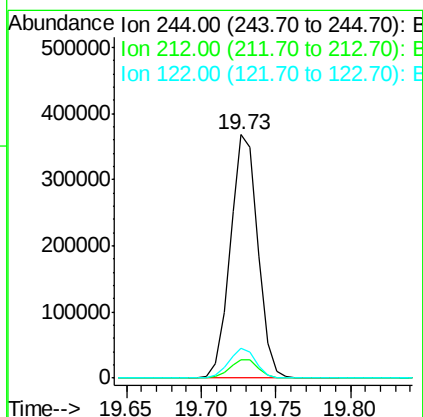
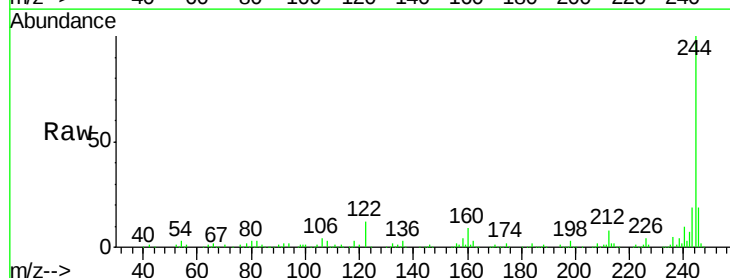
Instrument :  
BNA\_M  
ClientSampleId :

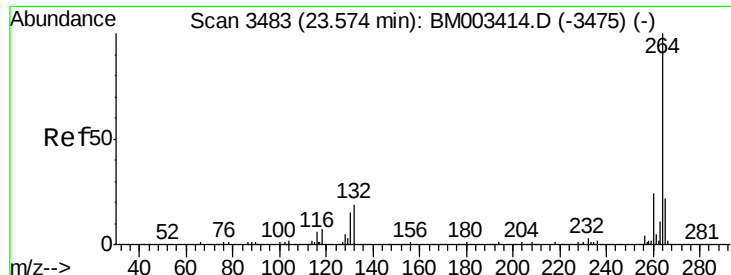
Tot Ion:240 Resp: 200170  
Ion Ratio Lower Upper  
240 100  
120 12.1 8.2 12.2  
236 26.2 20.0 30.0



#78  
Terphenyl-d14  
Concen: 55.98 ng  
RT: 19.73 min Scan# 2829  
Delta R.T. -0.03 min  
Lab File: BM003741.D  
Acq: 23 Dec 2015 11:08

Tgt Ion:244 Resp: 475187  
Ion Ratio Lower Upper  
244 100  
212 7.8 4.9 7.3#  
122 12.3 6.2 9.4#





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 23.53 min Scan# 3476  
 Delta R.T. -0.04 min  
 Lab File: BM003741.D  
 Acq: 23 Dec 2015 11:08

Instrument :  
 BNA\_M  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 207482 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.6  | 18.6  | 27.8   |
| 265      | 21.3  | 17.3  | 25.9   |

