

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060315\  
 Data File : BM001549.D  
 Acq On : 03 Jun 2015 23:47  
 Operator : TP/IZ  
 Sample : PB83718BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BL

Quant Time: Jun 04 19:30:38 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 12:46:32 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 24018    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.49 | 136  | 82422    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.35 | 164  | 38358    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.09 | 188  | 84053    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.28 | 240  | 63867    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12          | 23.52 | 264  | 60528    | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.28  | 112  | 69074    | 12.65 | ng    | 0.00     |
| 5) Phenol-d6                | 6.86  | 99   | 86514    | 12.90 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.86  | 82   | 52069    | 8.87  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.83 | 330  | 23229    | 14.50 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.97 | 172  | 105148   | 9.23  | ng    | 0.00     |
| 27) Terphenyl-d14           | 19.73 | 244  | 71131    | 9.01  | ng    | 0.00     |

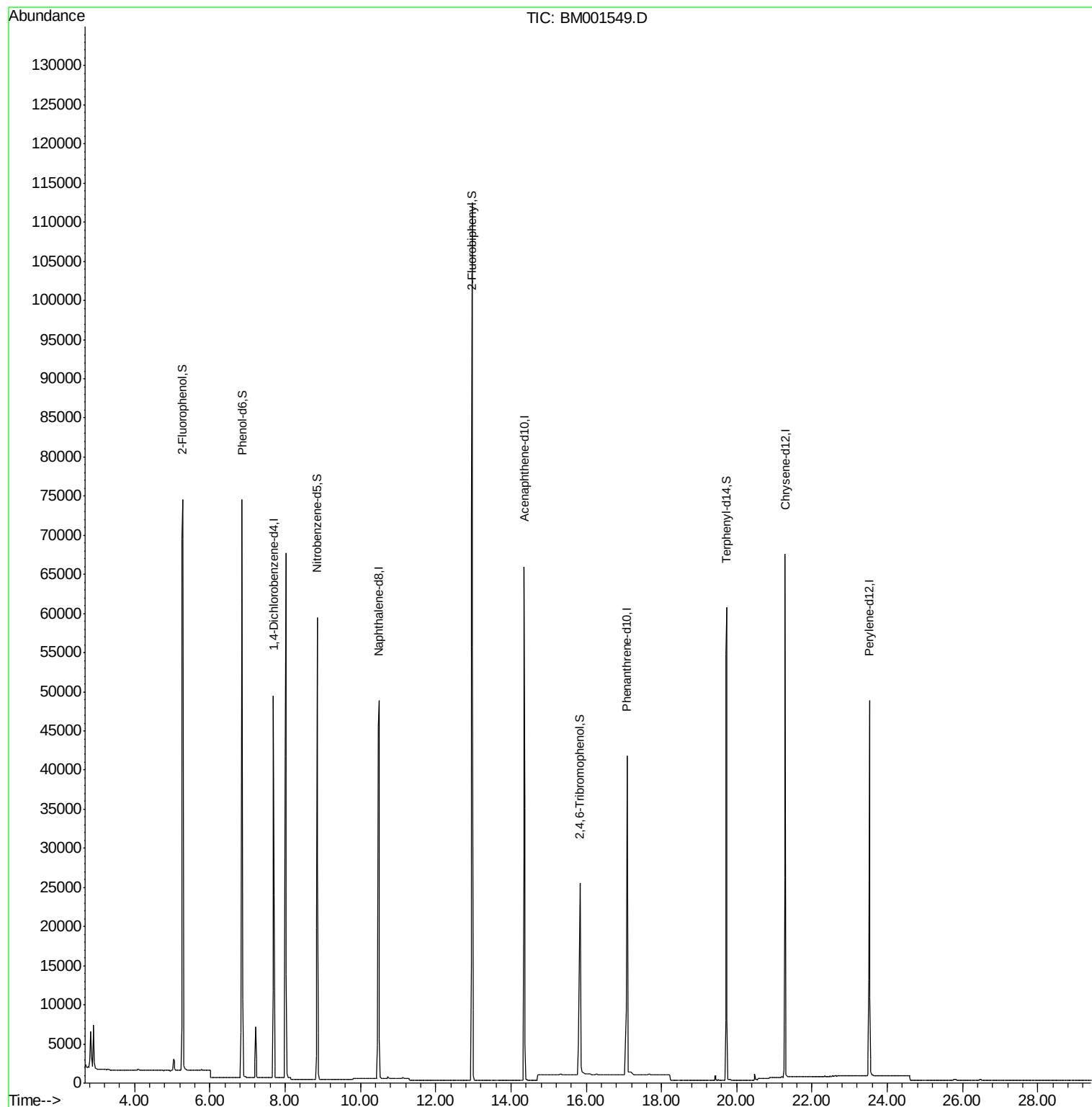
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

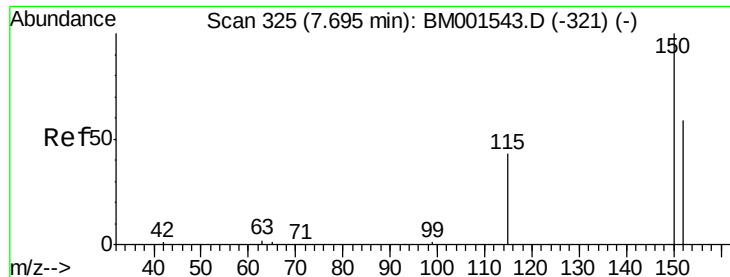
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Jun 04 19:30:38 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 04 12:46:32 2015  
Response via : Initial Calibration



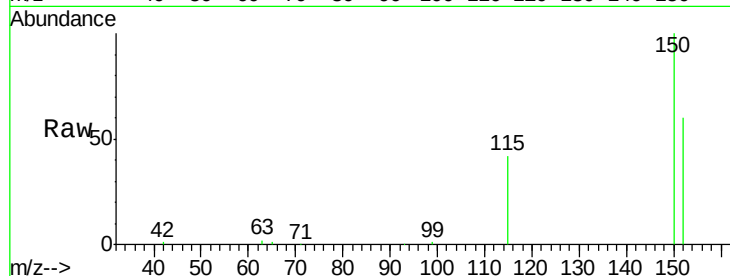


#1

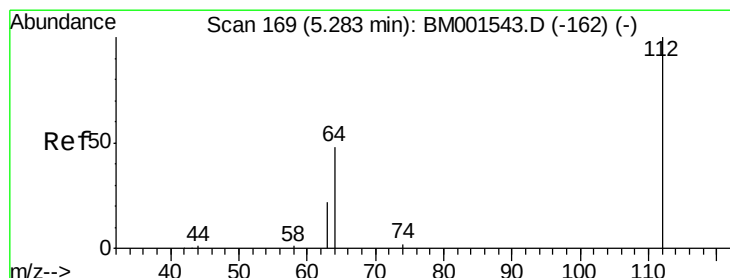
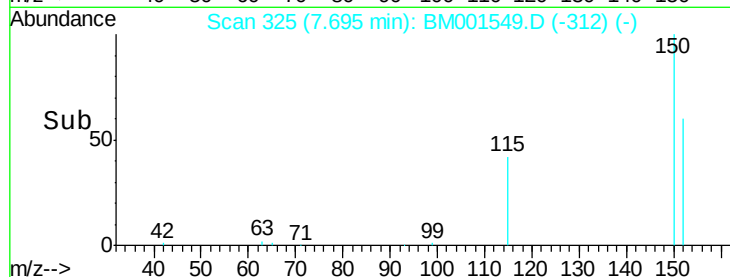
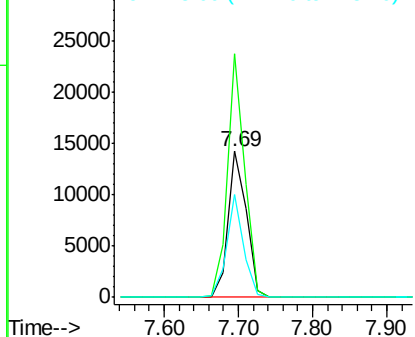
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.69 min Scan# 325  
Delta R.T. -0.00 min  
Lab File: BM001549.D  
Acq: 03 Jun 2015 23:47

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BL

Tgt Ion:152 Resp: 24018  
Ion Ratio Lower Upper  
152 100  
150 166.6 135.0 202.4  
115 70.4 57.8 86.8



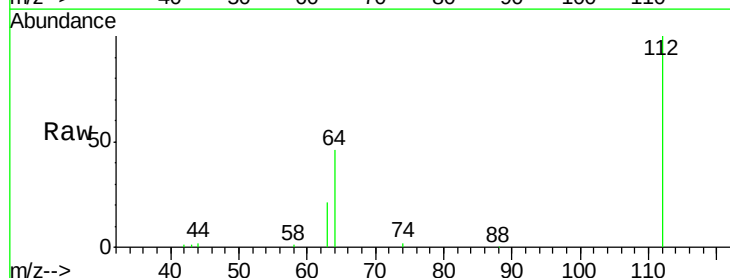
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



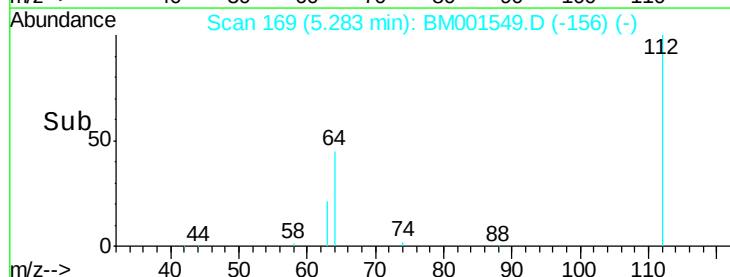
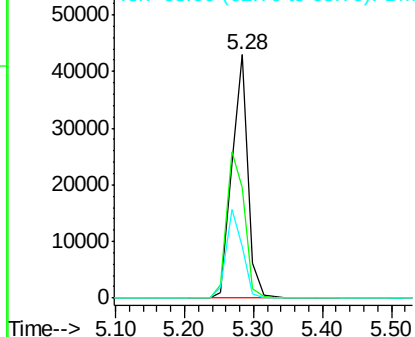
#4

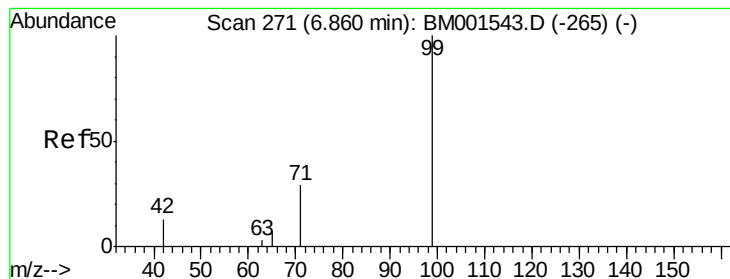
2-Fluorophenol  
Concen: 12.65 ng  
RT: 5.28 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: BM001549.D  
Acq: 03 Jun 2015 23:47

Tgt Ion:112 Resp: 69074  
Ion Ratio Lower Upper  
112 100  
64 66.3 53.0 79.4  
63 36.6 29.2 43.8



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





#5

Phenol-d6

Concen: 12.90 ng

RT: 6.86 min Scan# 271

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB83718BL

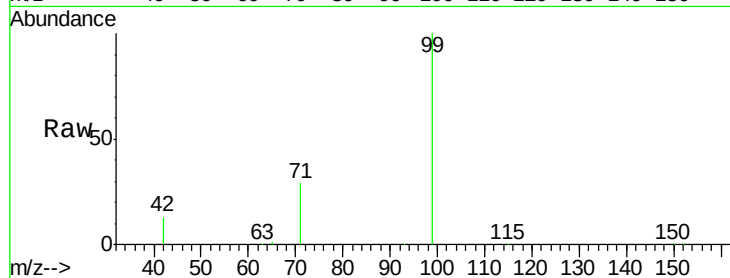
Tgt Ion: 99 Resp: 86514

Ion Ratio Lower Upper

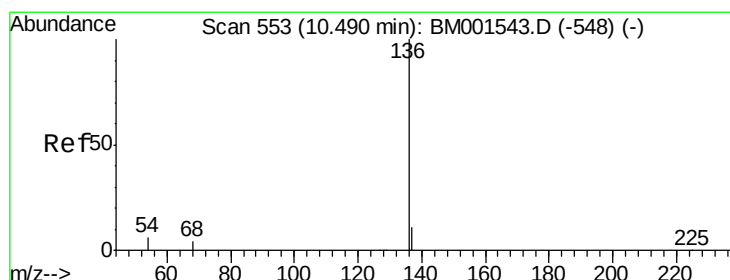
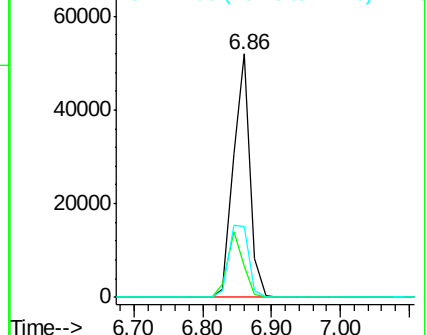
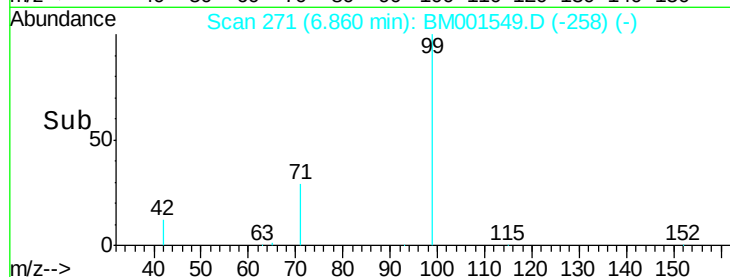
99 100

42 25.2 20.9 31.3

71 36.0 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BM001549.D (-258) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

Tgt Ion: 136 Resp: 82422

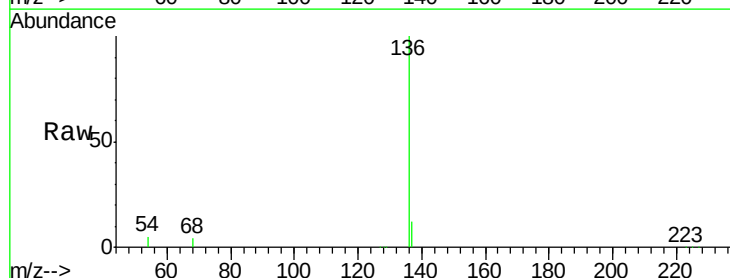
Ion Ratio Lower Upper

136 100

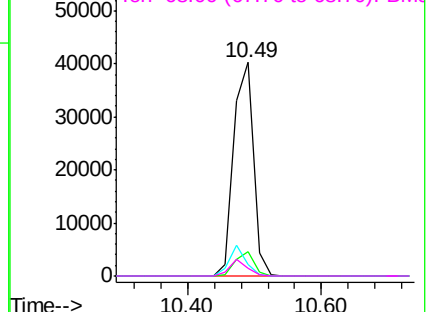
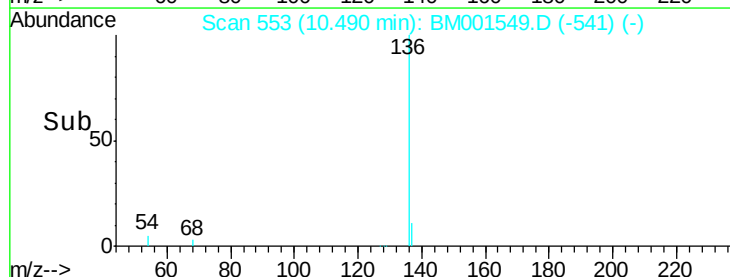
137 11.6 9.1 13.7

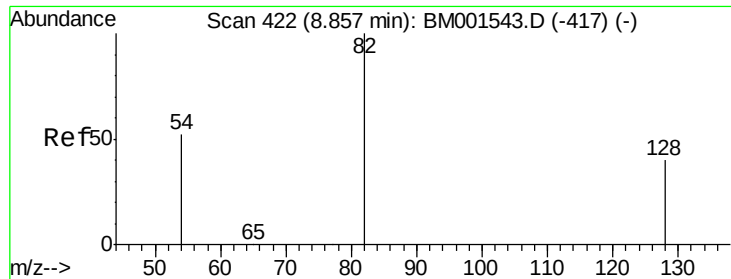
54 5.3 4.6 6.8

68 3.7 3.2 4.8



Abundance Ion 136.00 (135.70 to 136.70): BM001549.D (-541) (-)





#7

Nitrobenzene-d5

Concen: 8.87 ng

RT: 8.86 min Scan# 422

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB83718BL

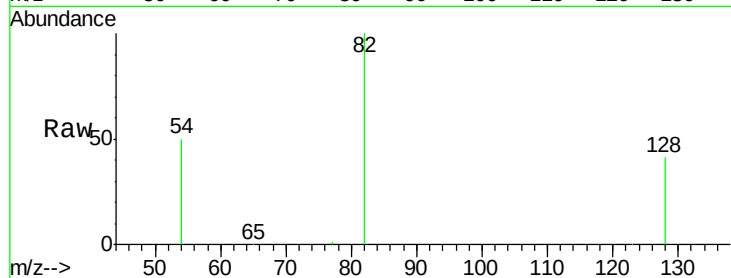
Tgt Ion: 82 Resp: 52069

Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

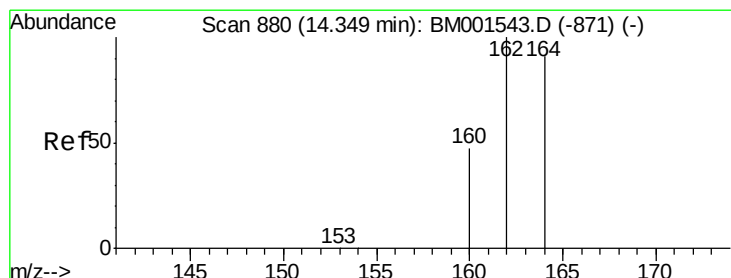
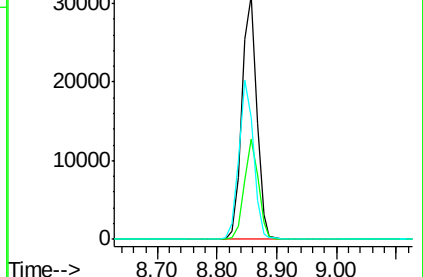
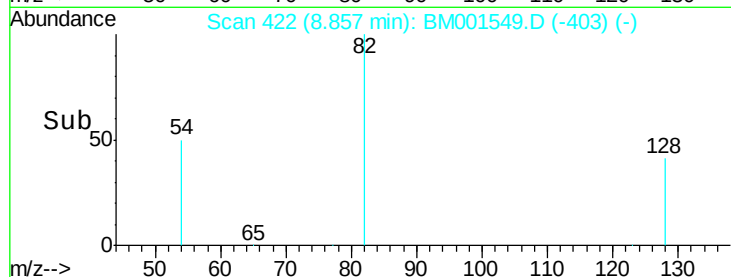
54 50.0 43.0 64.4



Abundance Ion 82.00 (81.70 to 82.70): BM001549.D (-403) (-)

Ion 128.00 (127.70 to 128.70): BM001549.D (-403) (-)

Ion 54.00 (53.70 to 54.70): BM001549.D (-403) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

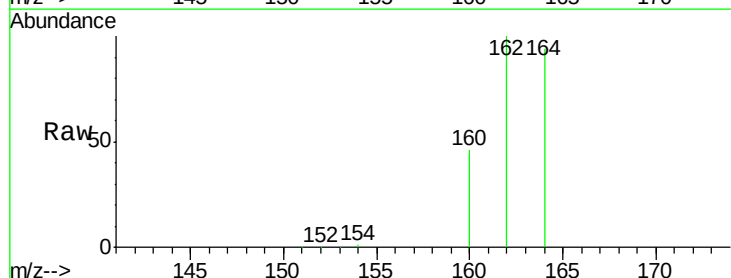
Tgt Ion: 164 Resp: 38358

Ion Ratio Lower Upper

164 100

162 106.8 88.0 132.0

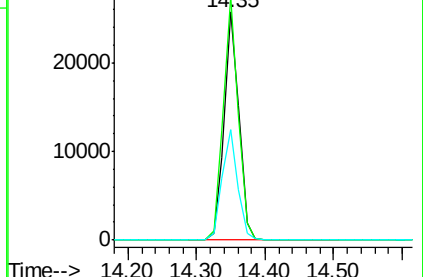
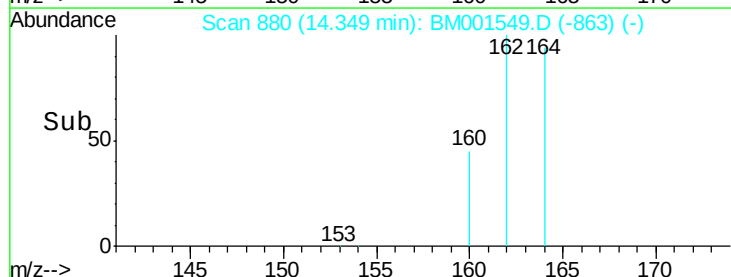
160 48.7 41.0 61.4

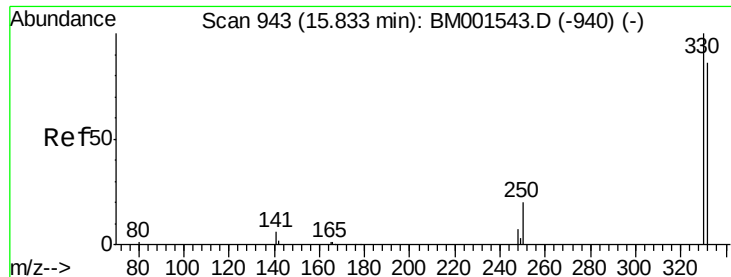


Abundance Ion 164.00 (163.70 to 164.70): BM001549.D (-863) (-)

Ion 162.00 (161.70 to 162.70): BM001549.D (-863) (-)

Ion 160.00 (159.70 to 160.70): BM001549.D (-863) (-)

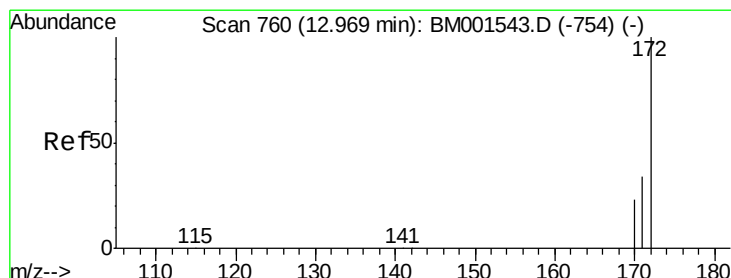
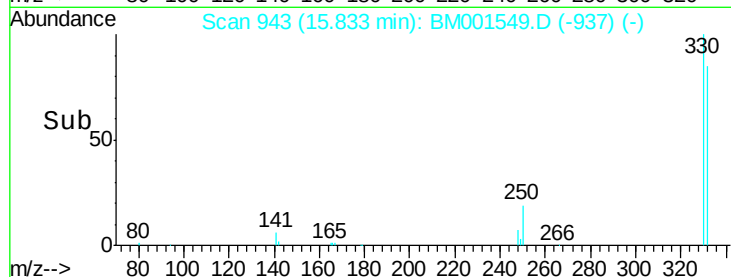
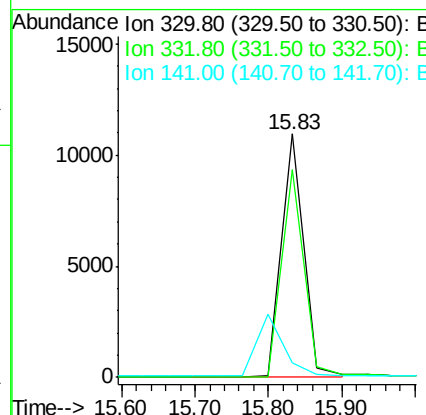
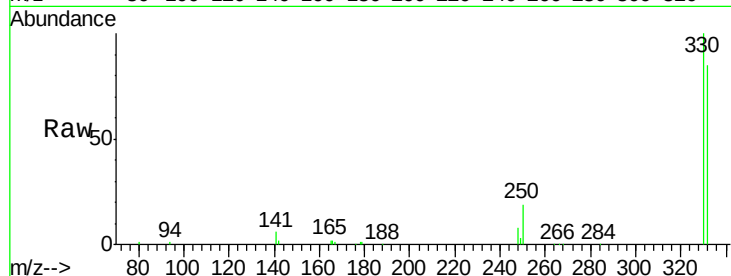




#13  
 2,4,6-Tribromophenol  
 Concen: 14.50 ng  
 RT: 15.83 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: BM001549.D  
 Acq: 03 Jun 2015 23:47

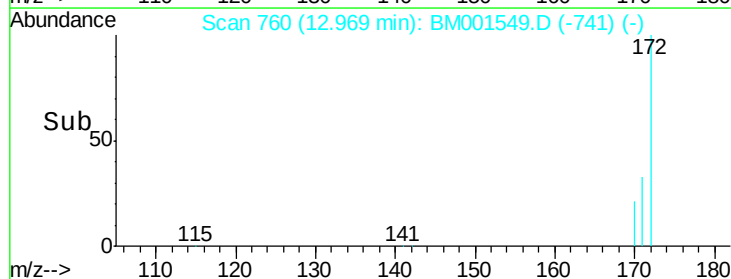
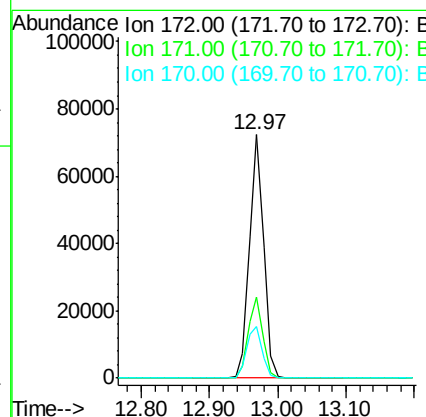
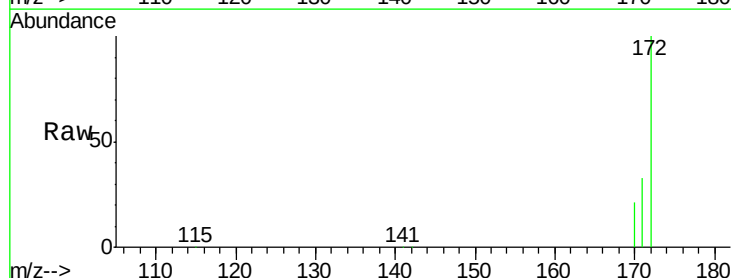
Instrument :  
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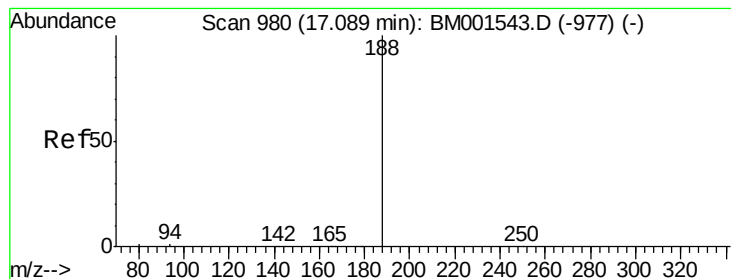
Tgt Ion:330 Resp: 23229  
 Ion Ratio Lower Upper  
 330 100  
 332 86.3 69.6 104.4  
 141 0.0 0.0 0.0



#14  
 2-Fluorobiphenyl  
 Concen: 9.23 ng  
 RT: 12.97 min Scan# 760  
 Delta R.T. -0.00 min  
 Lab File: BM001549.D  
 Acq: 03 Jun 2015 23:47

Tgt Ion:172 Resp: 105148  
 Ion Ratio Lower Upper  
 172 100  
 171 33.3 27.6 41.4  
 170 21.4 18.4 27.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

Instrument :

BNA\_M

ClientSampleId :

PB83718BL

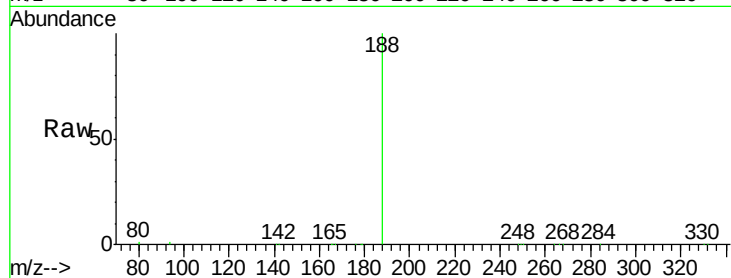
Tgt Ion:188 Resp: 84053

Ion Ratio Lower Upper

188 100

94 1.0 1.0 1.4

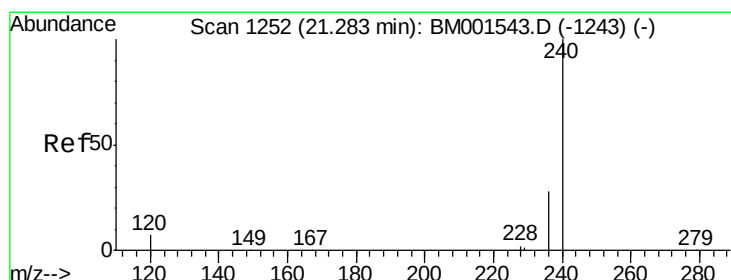
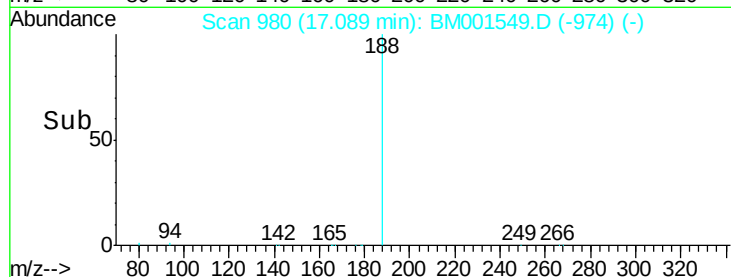
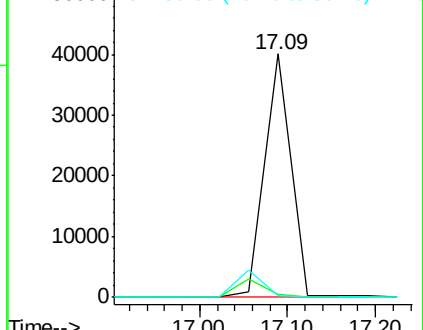
80 0.8 0.8 1.2



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

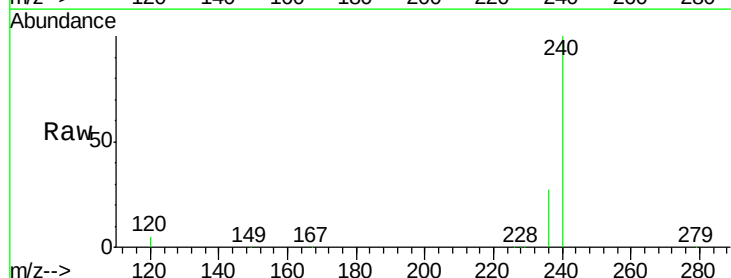
Tgt Ion:240 Resp: 63867

Ion Ratio Lower Upper

240 100

120 4.9 5.6 8.4#

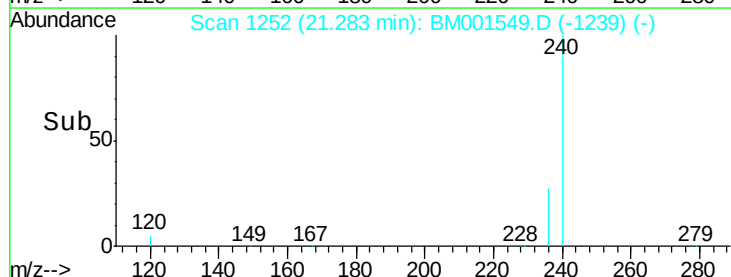
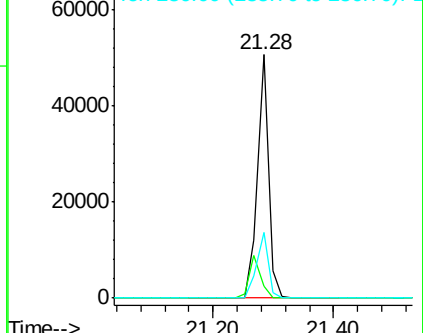
236 26.9 22.4 33.6

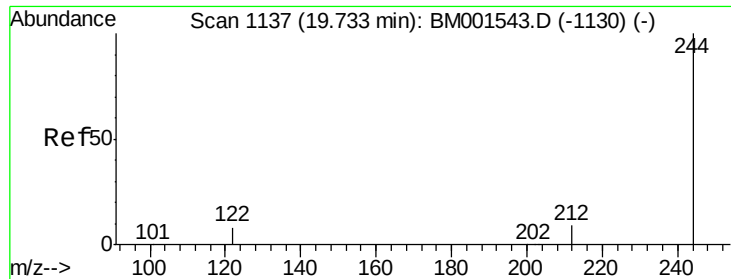


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 9.01 ng

RT: 19.73 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

Instrument :

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ClientSampleId :

PB83718BL

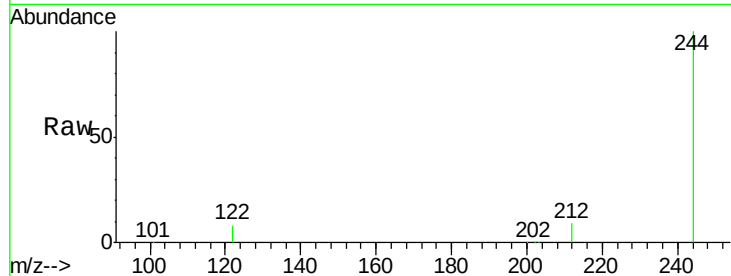
Tgt Ion:244 Resp: 71131

Ion Ratio Lower Upper

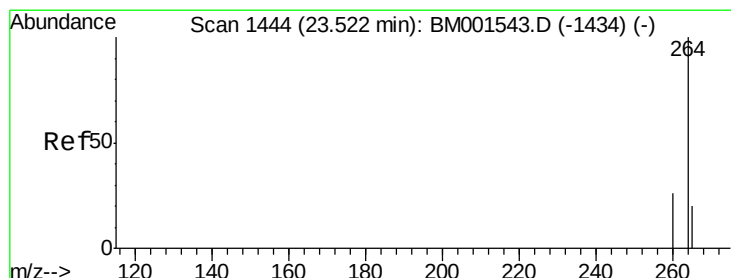
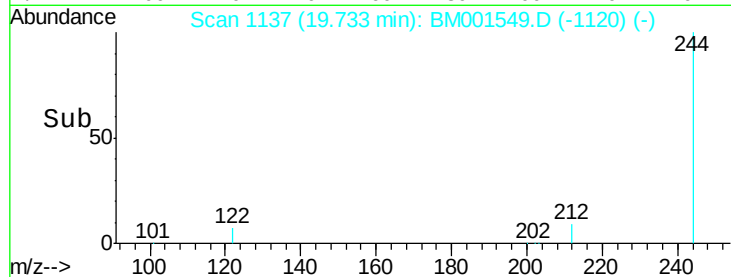
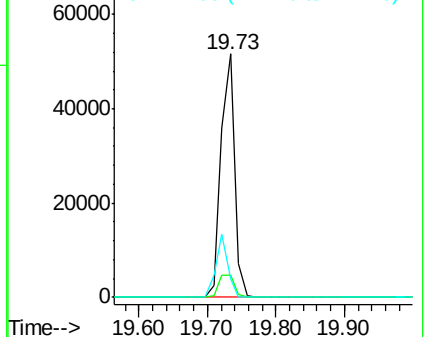
244 100

212 9.3 8.0 12.0

122 7.5 7.3 10.9



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BM001549.D

Acq: 03 Jun 2015 23:47

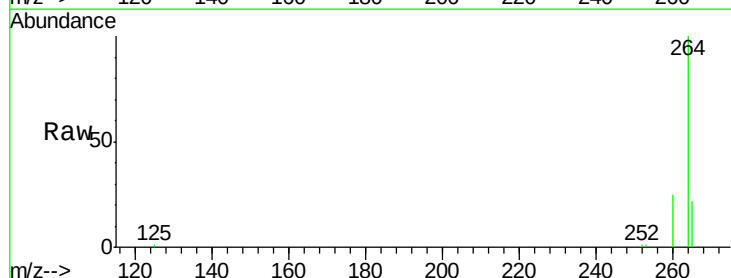
Tgt Ion:264 Resp: 60528

Ion Ratio Lower Upper

264 100

260 25.3 21.1 31.7

265 22.1 17.1 25.7



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

