

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM122115\  
 Data File : BM003695.D  
 Acq On : 22 Dec 2015 02:29  
 Operator : UM/SJ  
 Sample : G4867-17DL 200X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G9DB2DL

Quant Time: Dec 22 04:39:02 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM121915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 22 02:40:18 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 25675    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 104380   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.35 | 164  | 54591    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.09 | 188  | 120007   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.29 | 240  | 136238   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.53 | 264  | 135554   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |      |      |       |      |
|--------------------------------|-------|-----|------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0    | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 0.00  | 99  | 0    | 0.00 | ng/ul |      |
| 7) Bis-(2-Chloroethyl)ether-d  | 0.00  | 67  | 0    | 0.00 | ng/ul |      |
| 9) 2-Chlorophenol-d4           | 0.00  | 132 | 0    | 0.00 | ng/ul |      |
| 13) 4-Methylphenol-d8          | 0.00  | 113 | 0    | 0.00 | ng/ul |      |
| 19) Nitrobenzene-d5            | 0.00  | 128 | 0    | 0.00 | ng/ul |      |
| 22) 2-Nitrophenol-d4           | 0.00  | 143 | 0    | 0.00 | ng/ul |      |
| 26) 2,4-Dichlorophenol-d3      | 0.00  | 165 | 0    | 0.00 | ng/ul |      |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0    | 0.00 | ng/ul |      |
| 44) Dimethylphthalate-d6       | 13.76 | 166 | 515  | 0.11 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.04 | 160 | 506  | 0.10 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0    | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.35 | 176 | 729  | 0.20 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0    | 0.00 | ng/ul |      |
| 71) Anthracene-d10             | 17.19 | 188 | 1118 | 0.20 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 829  | 0.14 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.39 | 264 | 983  | 0.15 | ng/ul | 0.00 |

## Target Compounds

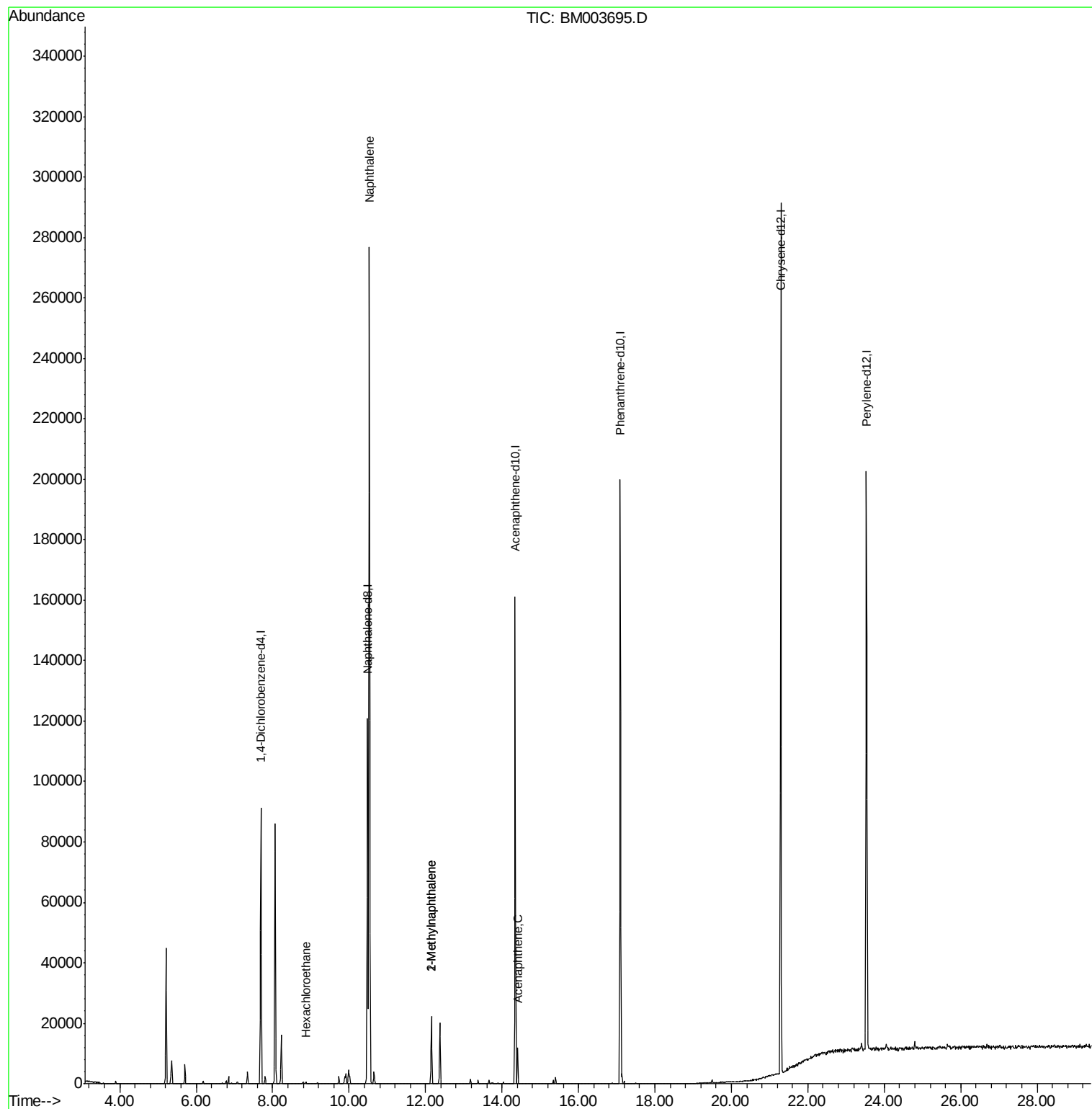
|                         |       |     |        |       | Qvalue |     |
|-------------------------|-------|-----|--------|-------|--------|-----|
| 17) Hexachloroethane    | 8.87  | 117 | 711    | 1.02  | ng/ul# | 7   |
| 28) Naphthalene         | 10.53 | 128 | 239310 | 44.50 | ng/ul  | 100 |
| 34) 2-Methylnaphthalene | 12.15 | 142 | 13329  | 3.32  | ng/ul  | 97  |
| 35) 1-Methylnaphthalene | 12.15 | 142 | 13329  | 3.49  | ng/ul  | 99  |
| 50) Acenaphthene        | 14.41 | 153 | 5558   | 1.48  | ng/ul  | 95  |

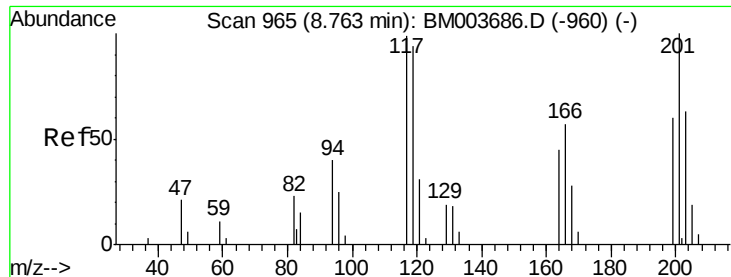
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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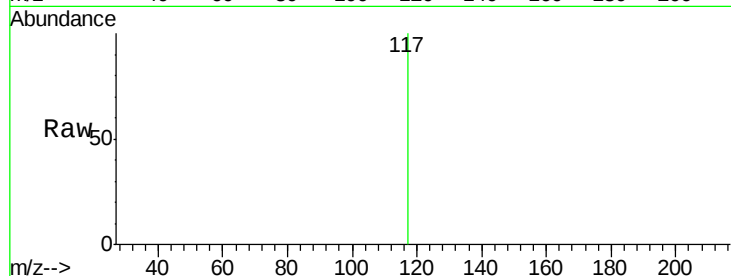




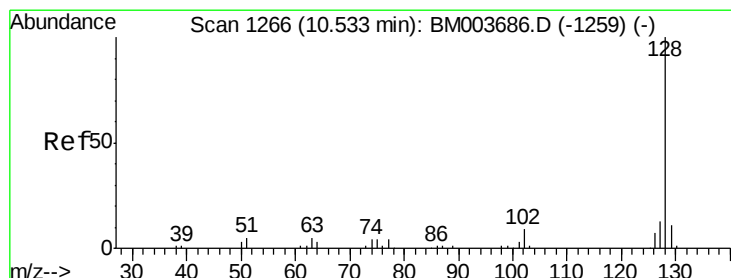
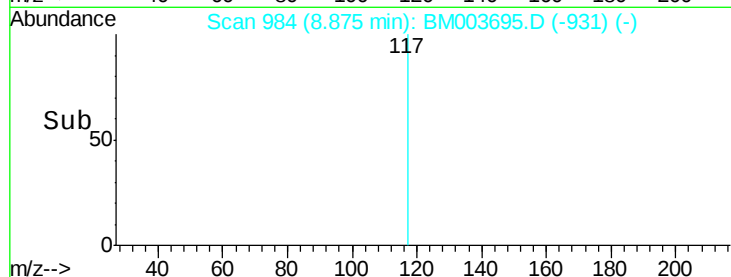
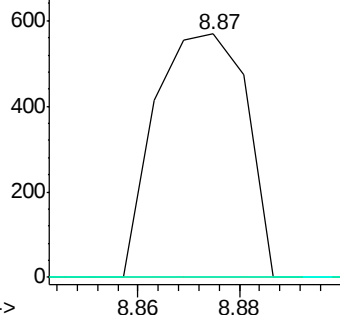
#17  
Hexachloroethane  
Concen: 1.02 ng/ul  
RT: 8.87 min Scan# 984  
Delta R.T. 0.11 min  
Lab File: BM003695.D  
Acq: 22 Dec 2015 02:29

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:117 Resp: 711  
Ion Ratio Lower Upper  
117 100  
201 0.0 81.5 122.3#  
199 0.0 50.6 76.0#

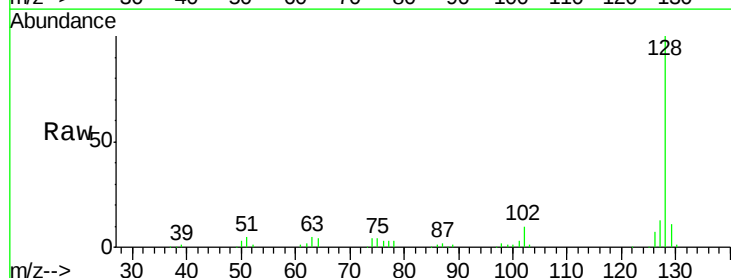


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

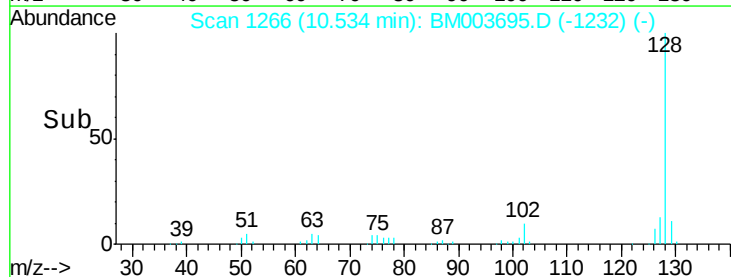
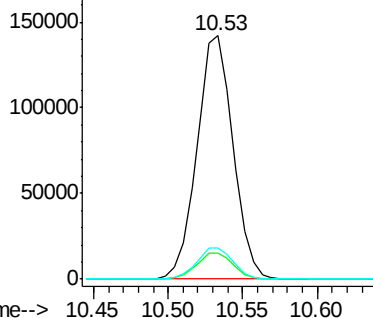


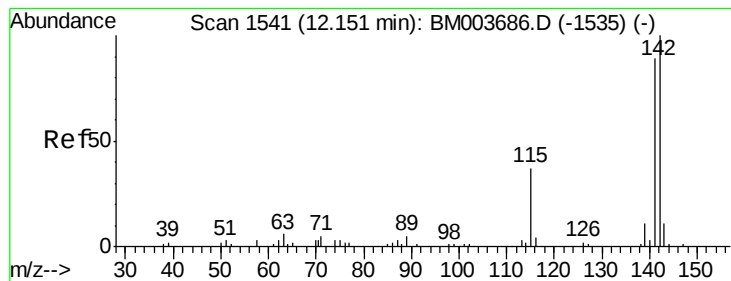
#28  
Naphthalene  
Concen: 44.50 ng/ul  
RT: 10.53 min Scan# 1266  
Delta R.T. 0.00 min  
Lab File: BM003695.D  
Acq: 22 Dec 2015 02:29

Tgt Ion:128 Resp: 239310  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 3.32 ng/ul

RT: 12.15 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BM003695.D

Acq: 22 Dec 2015 02:29

Instrument :

BNA\_M

ClientSampleId :

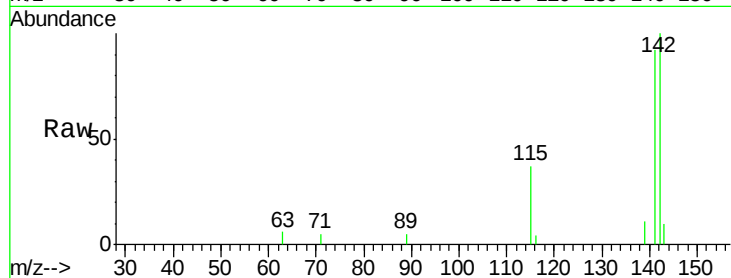
G9DB2DL

Tgt Ion:142 Resp: 13329

Ion Ratio Lower Upper

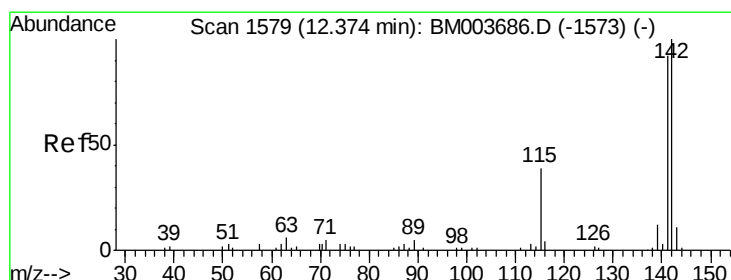
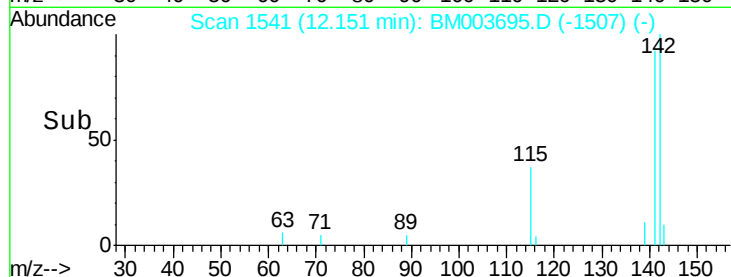
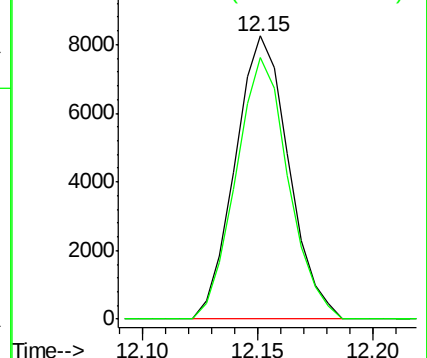
142 100

141 92.4 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 3.49 ng/ul

RT: 12.15 min Scan# 1541

Delta R.T. -0.22 min

Lab File: BM003695.D

Acq: 22 Dec 2015 02:29

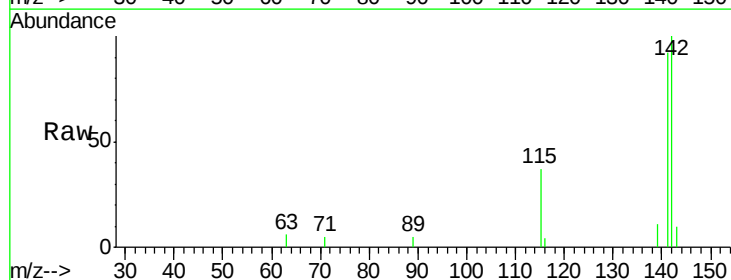
Tgt Ion:142 Resp: 13329

Ion Ratio Lower Upper

142 100

141 92.4 74.9 112.3

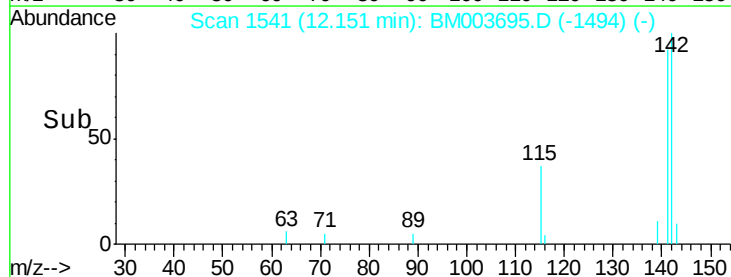
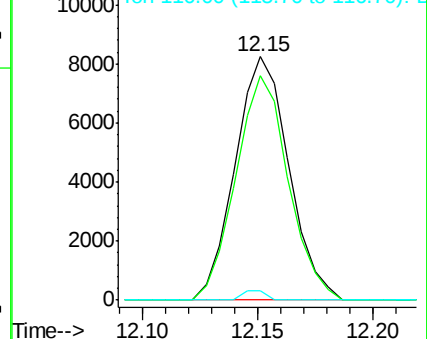
116 4.1 3.1 4.7

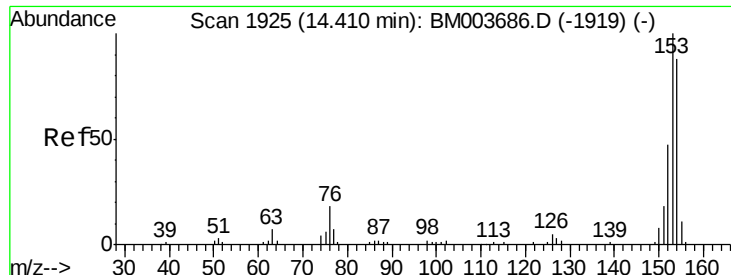


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#50

Acenaphthene

Concen: 1.48 ng/ul

RT: 14.41 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM003695.D

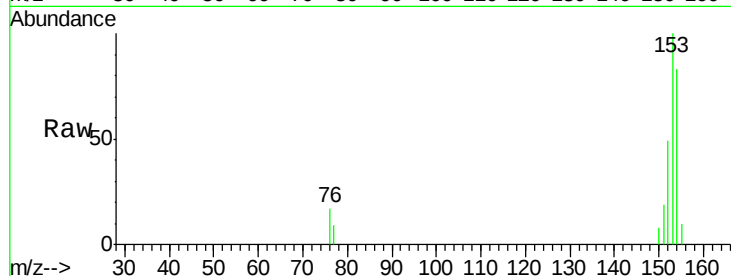
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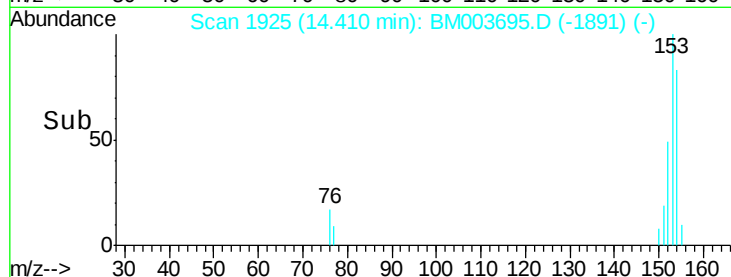
Tgt Ion:153 Resp: 5558

Ion Ratio Lower Upper

153 100

152 49.1 38.3 57.5

154 83.0 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

