

# Quantitation Report (QT Reviewed)

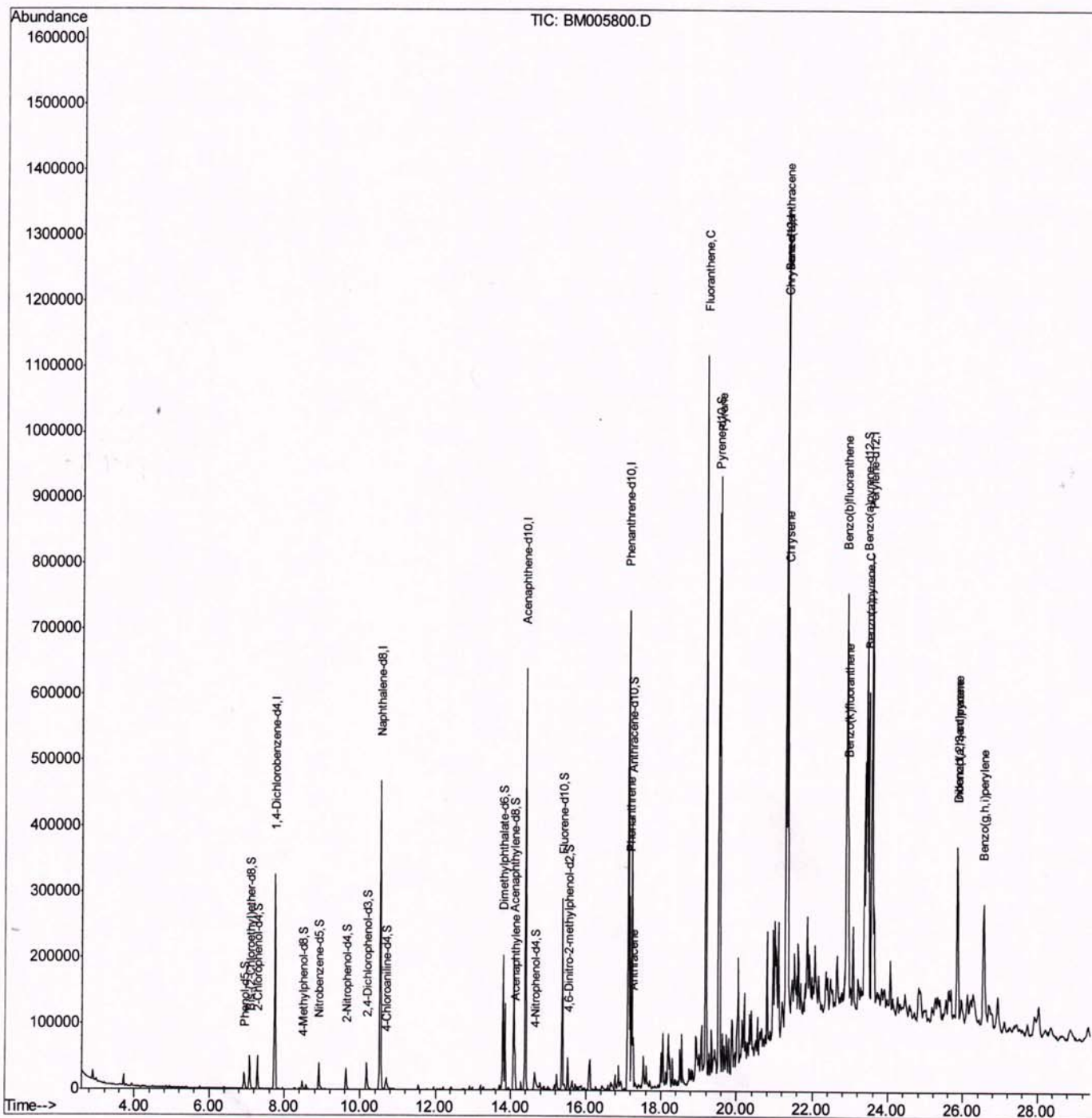
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005800.D  
 Acq On : 15 Jun 2016 00:31  
 Operator : UM/SJ  
 Sample : H3565-08  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 D9Y01

Manual Integrations  
 APPROVED

sohil  
 6/15/2016 6:35:54 PM

Quant Time: Jun 15 02:07:33 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 15 01:42:36 2016  
 Response via : Initial Calibration



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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 90331    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 414457   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.39 | 164  | 217595   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 433696   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 465481   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.57 | 264  | 502020   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.19  | 96  | 957    | 0.49  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.93  | 99  | 20299  | 2.74  | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl) ether-d | 7.07  | 67  | 24184  | 5.48  | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.28  | 132 | 27432  | 4.44  | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.47  | 113 | 7114   | 1.13  | ng/ul | 0.01 |
| 8) Nitrobenzene-d5             | 8.90  | 128 | 12321  | 4.20  | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.63  | 143 | 13719  | 4.21  | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 23918m | 3.83  | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.69 | 131 | 23096m | 3.37  | ng/ul | 0.01 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 133998 | 7.76  | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.08 | 160 | 152417 | 6.95  | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.64 | 143 | 18592m | 9.36  | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.38 | 176 | 117346 | 8.16  | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 12257  | 6.32  | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.23 | 188 | 233140 | 11.59 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.52 | 212 | 381088 | 16.82 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.43 | 264 | 434240 | 18.73 | ng/ul | 0.00 |

## Target Compounds

Qvalue

|                            |       |     |         |       |        |     |
|----------------------------|-------|-----|---------|-------|--------|-----|
| 18) Acenaphthylene         | 14.11 | 152 | 53116   | 2.40  | ng/ul  | 99  |
| 25) Phenanthrene           | 17.17 | 178 | 179314  | 7.54  | ng/ul  | 100 |
| 27) Anthracene             | 17.26 | 178 | 55346   | 2.35  | ng/ul  | 99  |
| 28) Fluoranthene           | 19.19 | 202 | 664583  | 26.25 | ng/ul  | 100 |
| 31) Pyrene                 | 19.56 | 202 | 561122  | 19.63 | ng/ul  | 97  |
| 32) Benzo(a)anthracene     | 21.30 | 228 | 356161  | 13.23 | ng/ul  | 97  |
| 33) Chrysene               | 21.35 | 228 | 344628  | 13.06 | ng/ul  | 97  |
| 35) Benzo(b)fluoranthene   | 22.89 | 252 | 527638  | 17.59 | ng/ul  | 98  |
| 36) Benzo(k)fluoranthene   | 22.93 | 252 | 176775m | 6.37  | ng/ul  |     |
| 38) Benzo(a)pyrene         | 23.47 | 252 | 339431  | 11.85 | ng/ul  | 99  |
| 39) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 261565  | 7.96  | ng/ul  | 94  |
| 40) Dibenzo(a,h)anthracene | 25.84 | 278 | 68479   | 2.49  | ng/ul# | 76  |
| 41) Benzo(g,h,i)perylene   | 26.56 | 276 | 222373  | 7.82  | ng/ul  | 99  |

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

# Quantitation Report (Qedit)

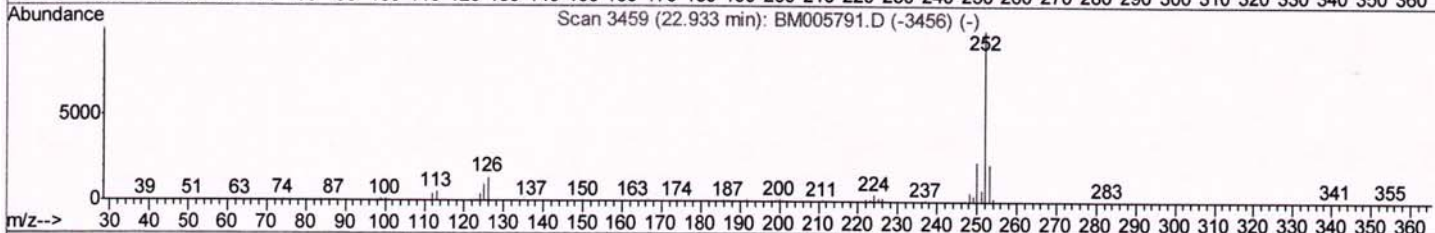
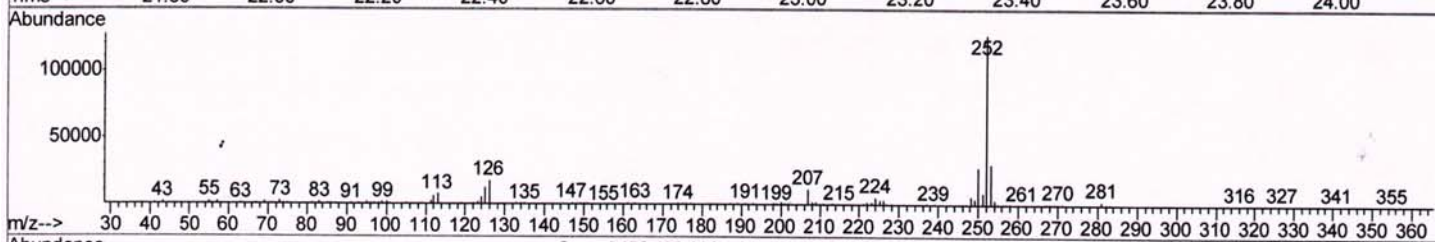
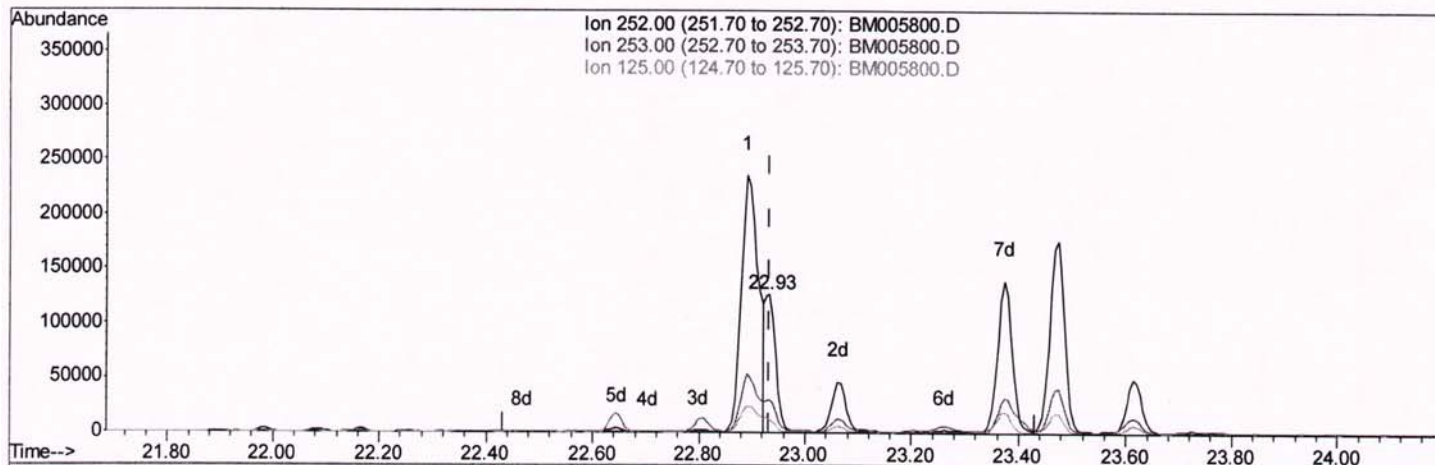
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 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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TIC: BM005800.D

(36) Benzo(k)fluoranthene

22.933min (-0.000) 6.37ng/ul m

response 176775

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 23.90 |
| 125.00 | 10.10 | 9.65  |
| 0.00   | 0.00  | 0.00  |

*U.A.*  
*06/16/16*

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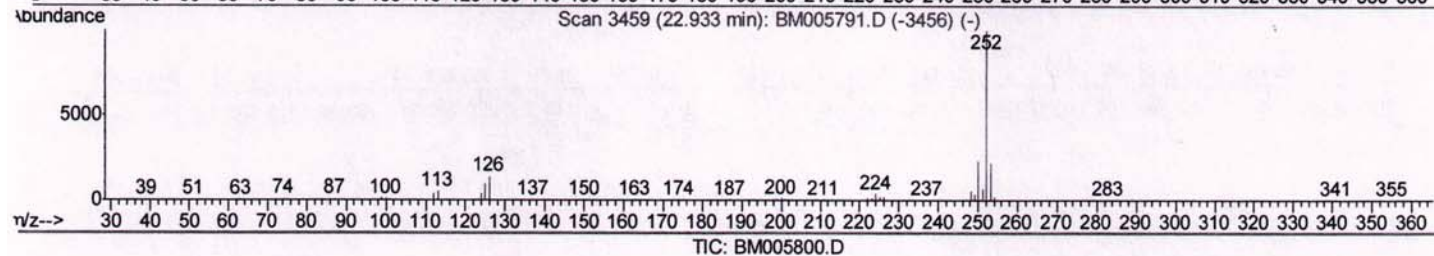
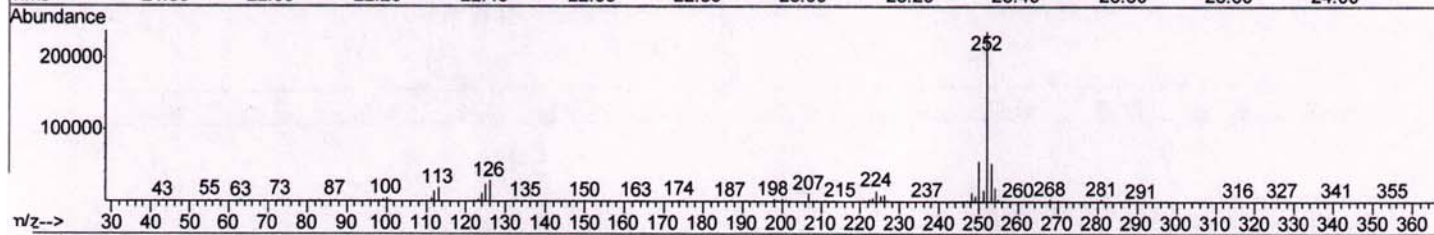
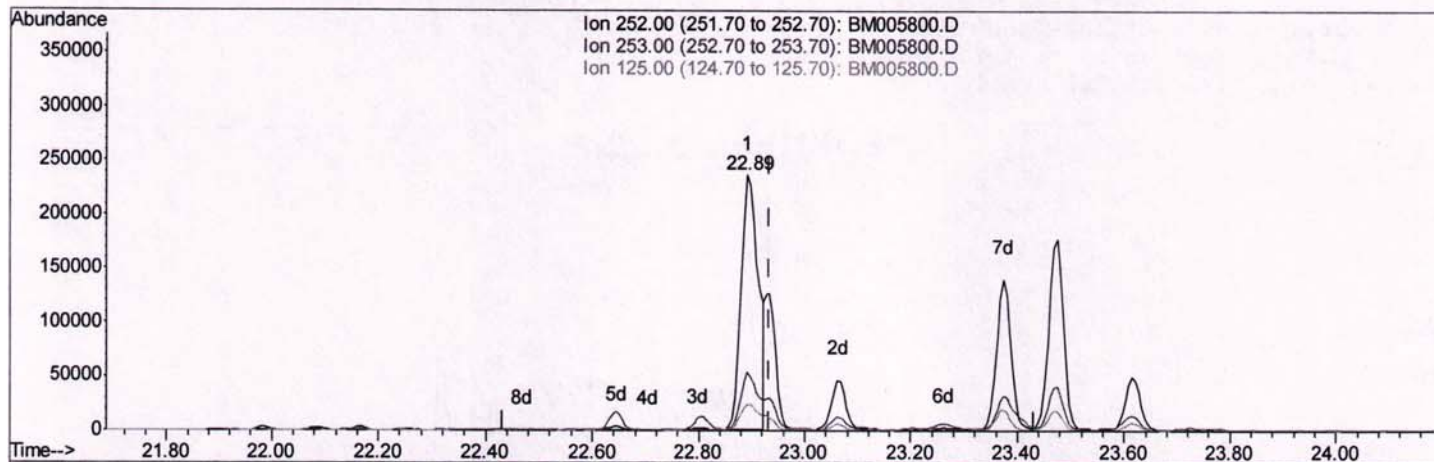
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(36) Benzo(k)fluoranthene

22.891min (-0.042) 19.00ng/ul

response 527638

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 22.72 |
| 125.00 | 10.10 | 10.19 |
| 0.00   | 0.00  | 0.00  |

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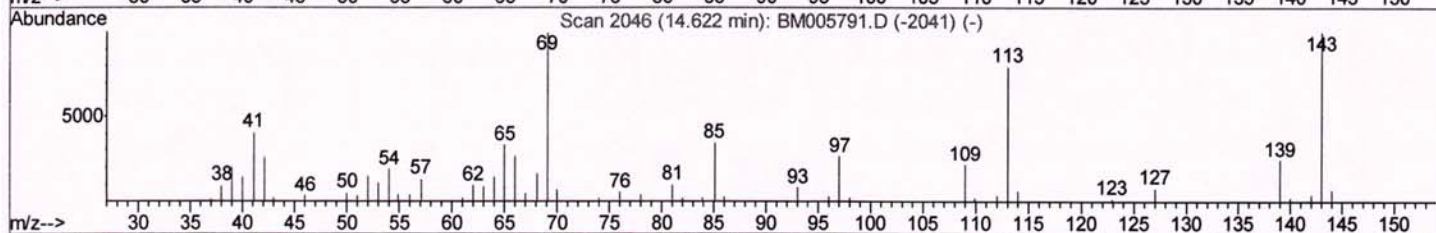
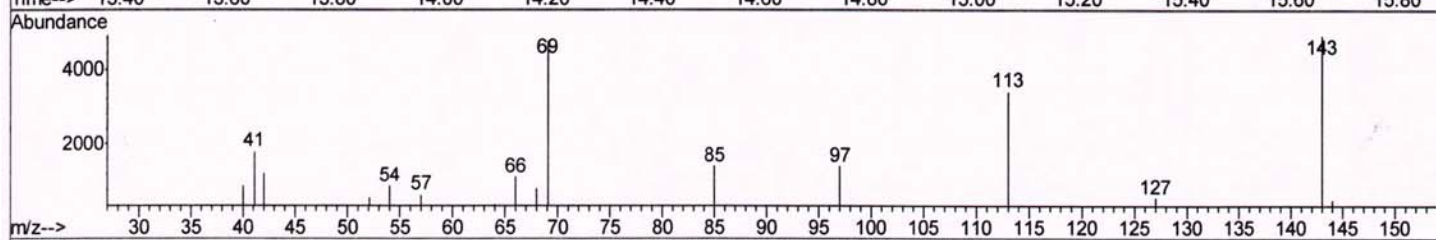
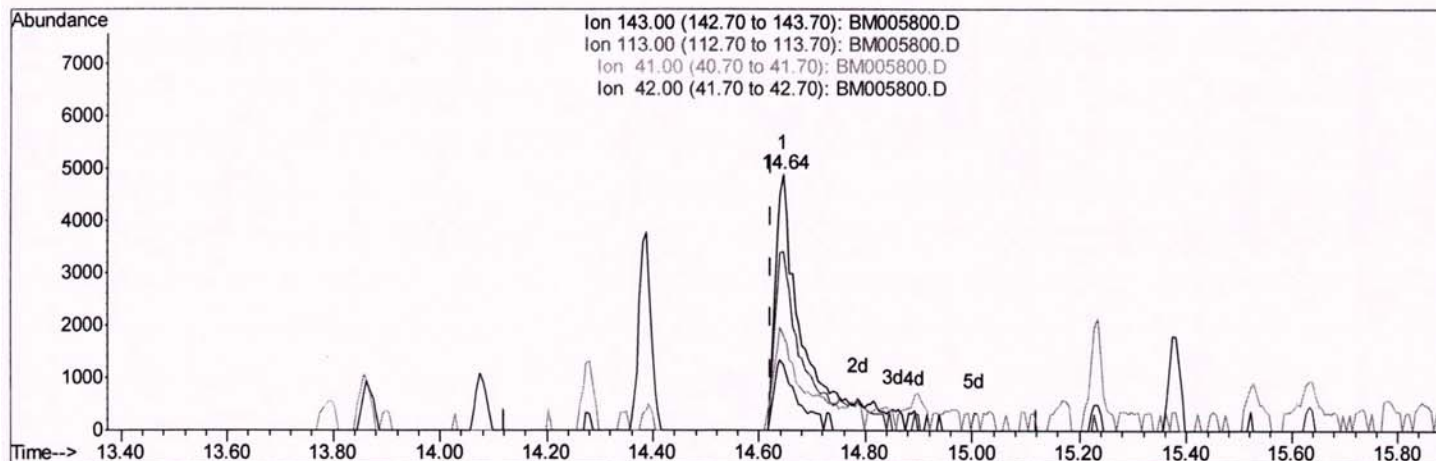
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampled :  
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TIC: BM005800.D

(20) 4-Nitrophenol-d4 (S)

14.645min (+0.023) 9.36ng/ul m

response 18592

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 74.90 | 69.64 |
| 41.00  | 39.60 | 36.94 |
| 42.00  | 23.50 | 25.39 |

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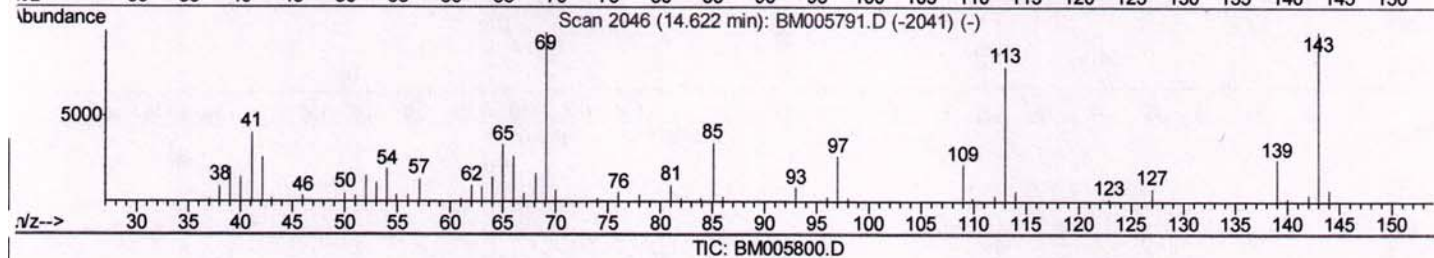
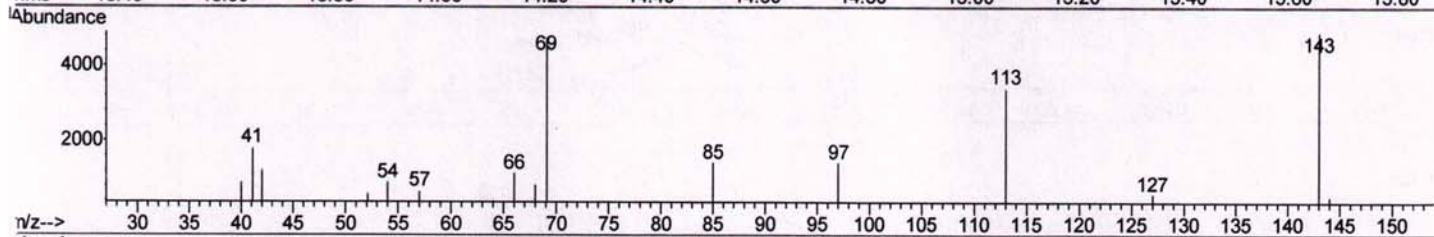
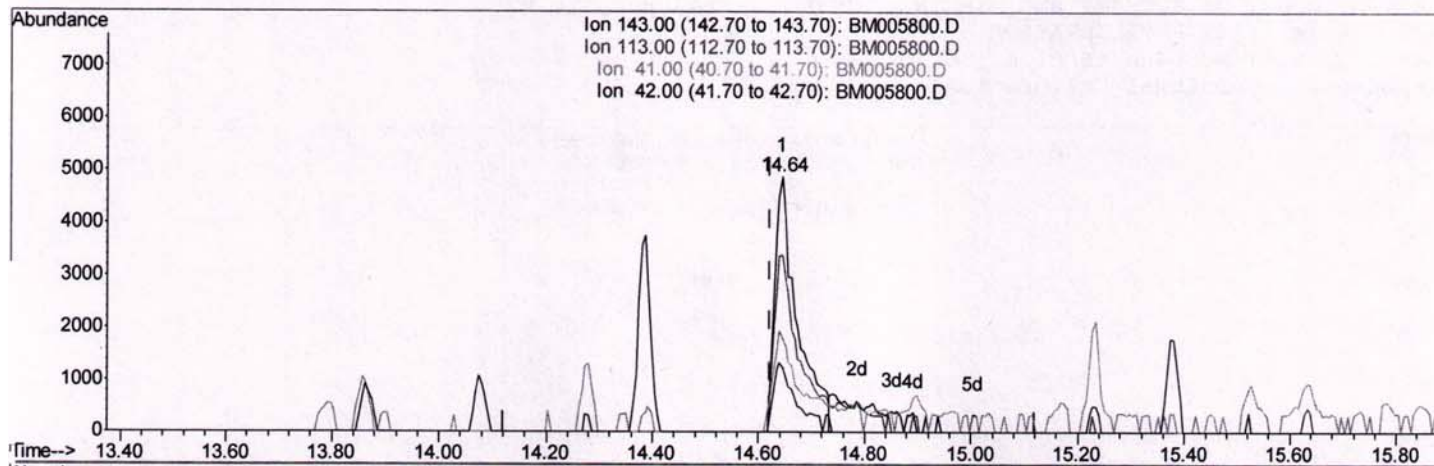
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Operator : UM/SJ  
Sample : H3565-08  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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(20) 4-Nitrophenol-d4 (S)

14.645min (+0.023) 7.40ng/ul

response 14691

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 74.90 | 69.64 |
| 41.00  | 39.60 | 36.94 |
| 42.00  | 23.50 | 25.39 |

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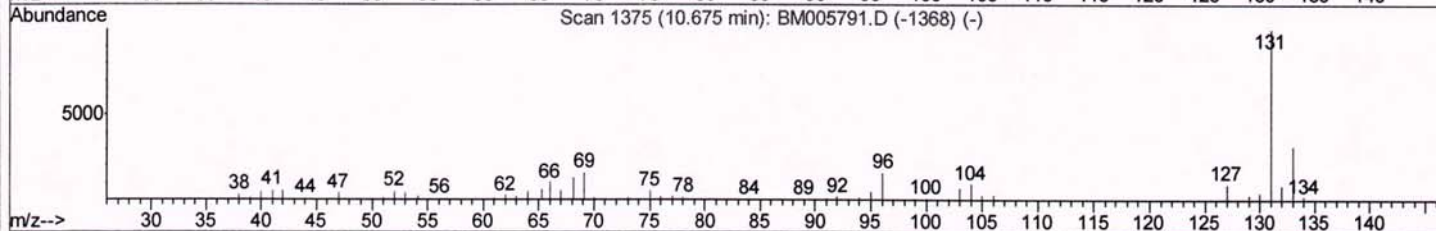
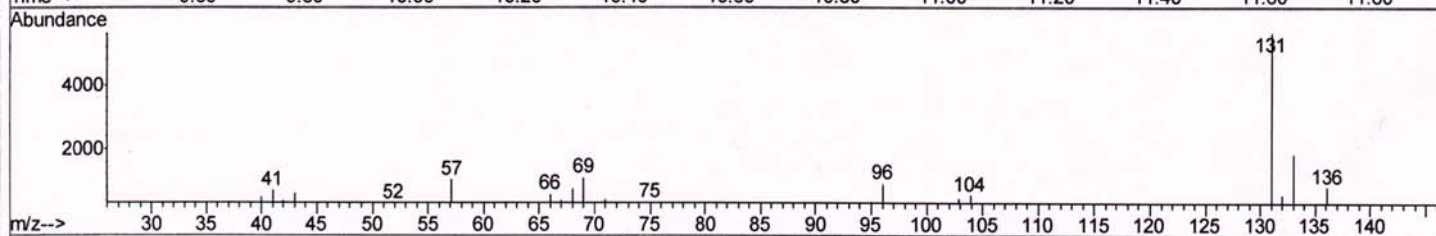
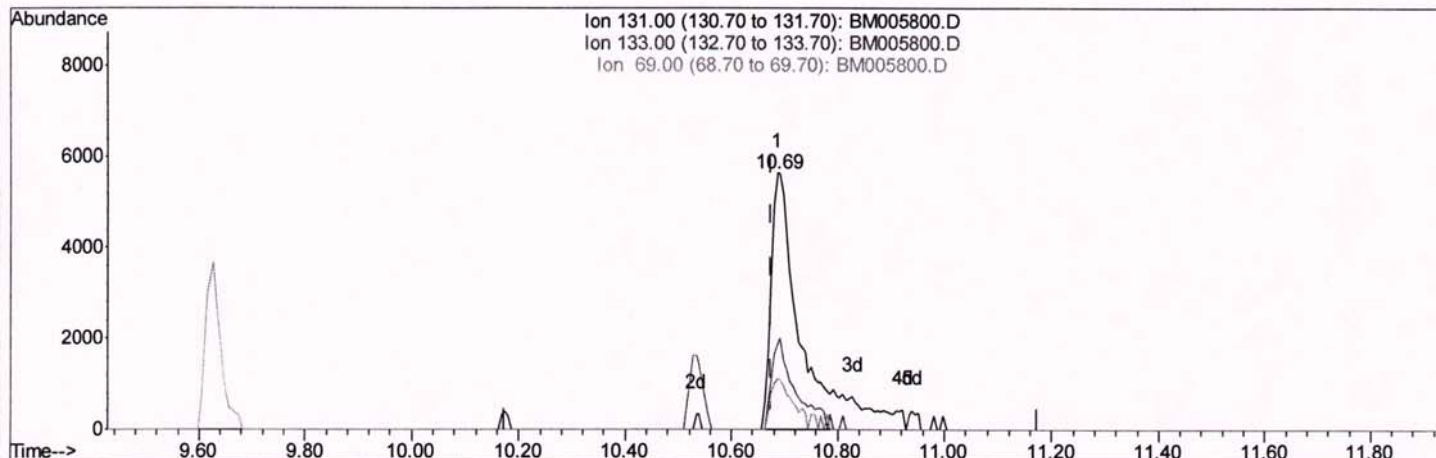
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TIC: BM005800.D

(12) 4-Chloroaniline-d4 (S)

10.686min (+0.011) 3.37ng/ul m

response 23096

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.40 | 33.33 |
| 69.00  | 17.50 | 19.57 |
| 0.00   | 0.00  | 0.00  |

*U-M*  
*06116116*

## Quantitation Report (Qedit)

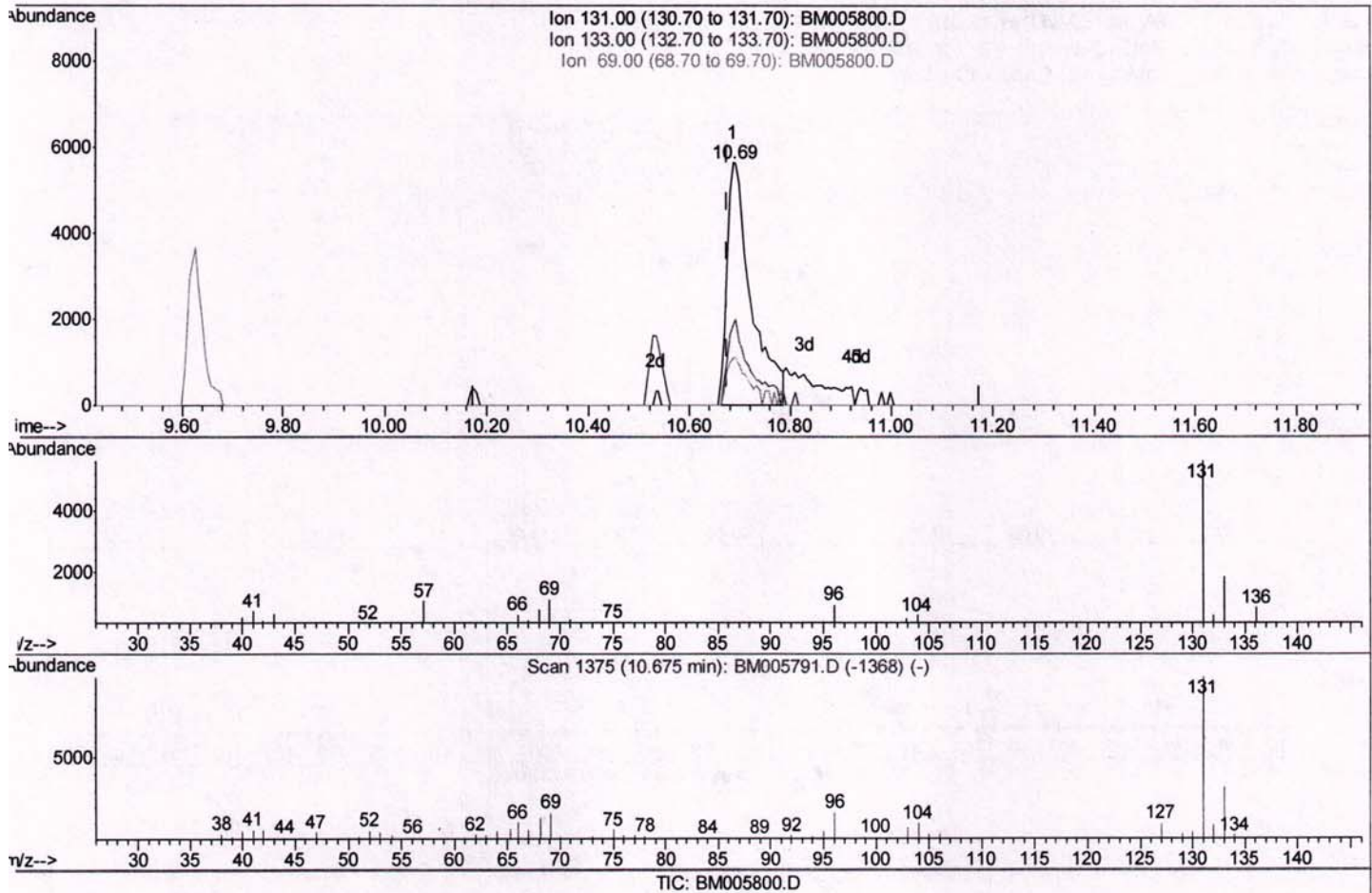
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual Integrations  
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(12) 4-Chloroaniline-d4 (S)

10.686min (+0.011) 2.75ng/ul

response 18866

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.40 | 33.33 |
| 69.00  | 17.50 | 19.57 |
| 0.00   | 0.00  | 0.00  |

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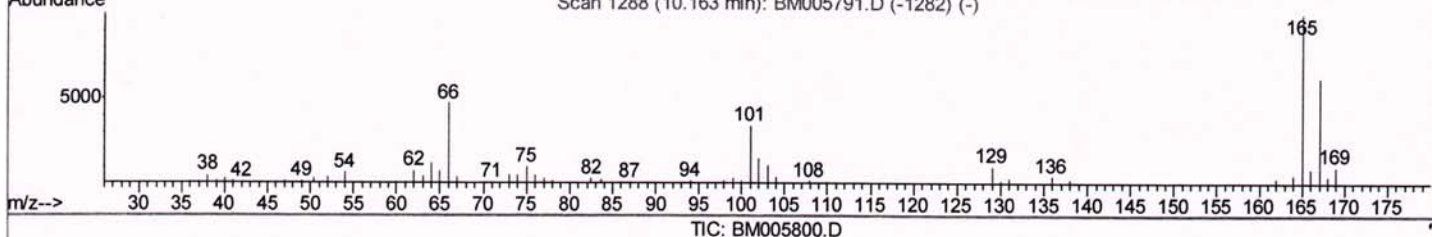
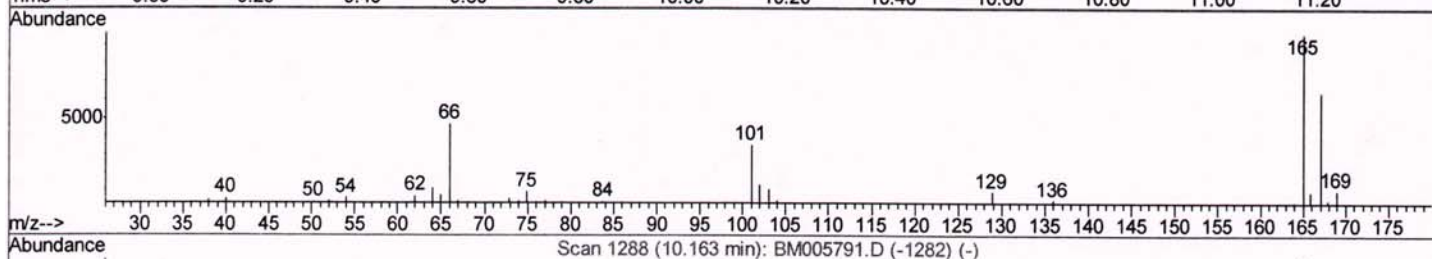
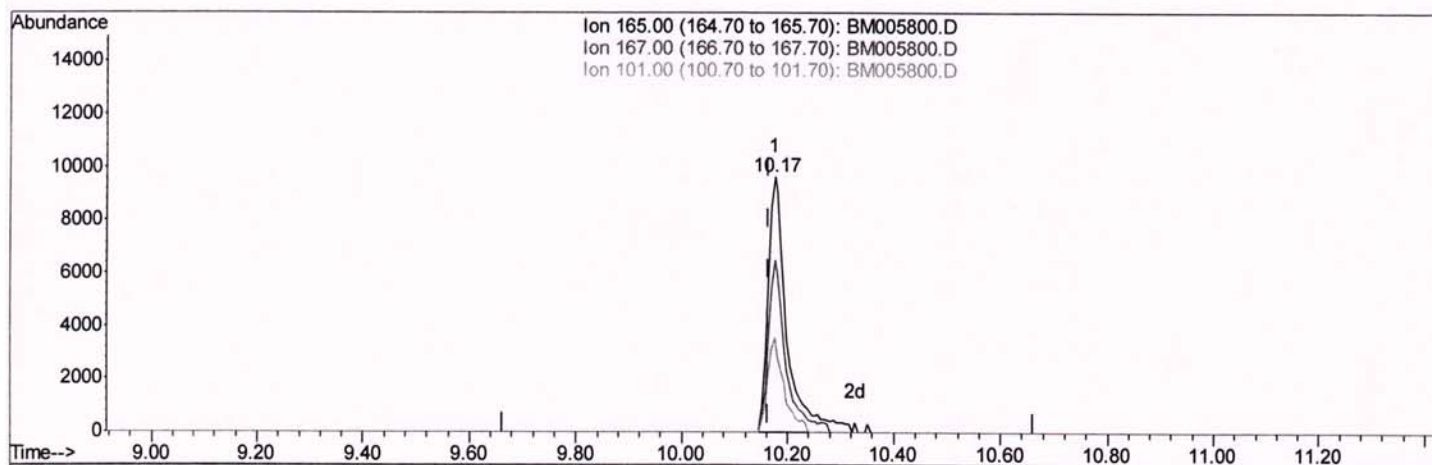
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(10) 2,4-Dichlorophenol-d3 (S)

10.175min (+0.011) 3.83ng/ul m

response 23918

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 165.00 | 100   | 100   |
| 167.00 | 65.50 | 67.15 |
| 101.00 | 34.70 | 36.72 |
| 0.00   | 0.00  | 0.00  |

U.M  
 06/16/16

# Quantitation Report (Qedit)

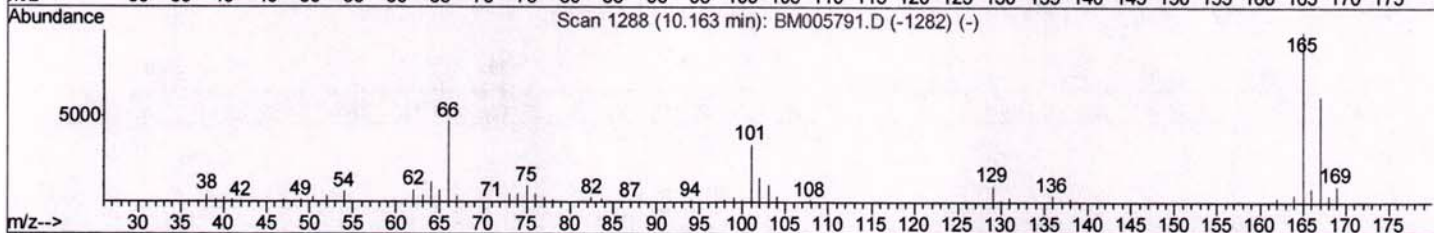
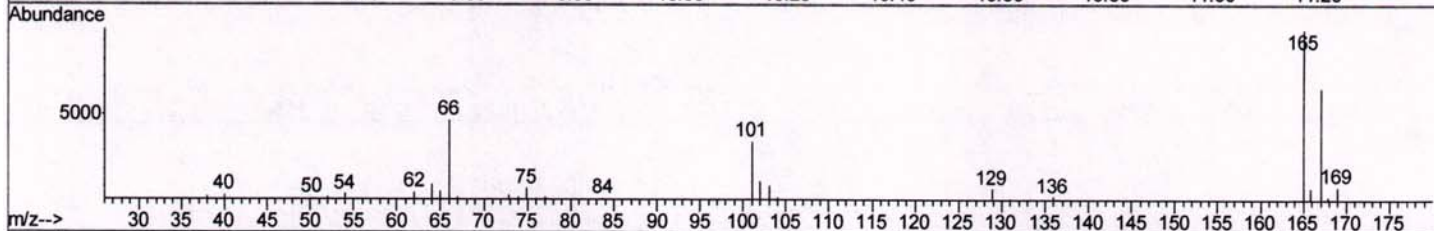
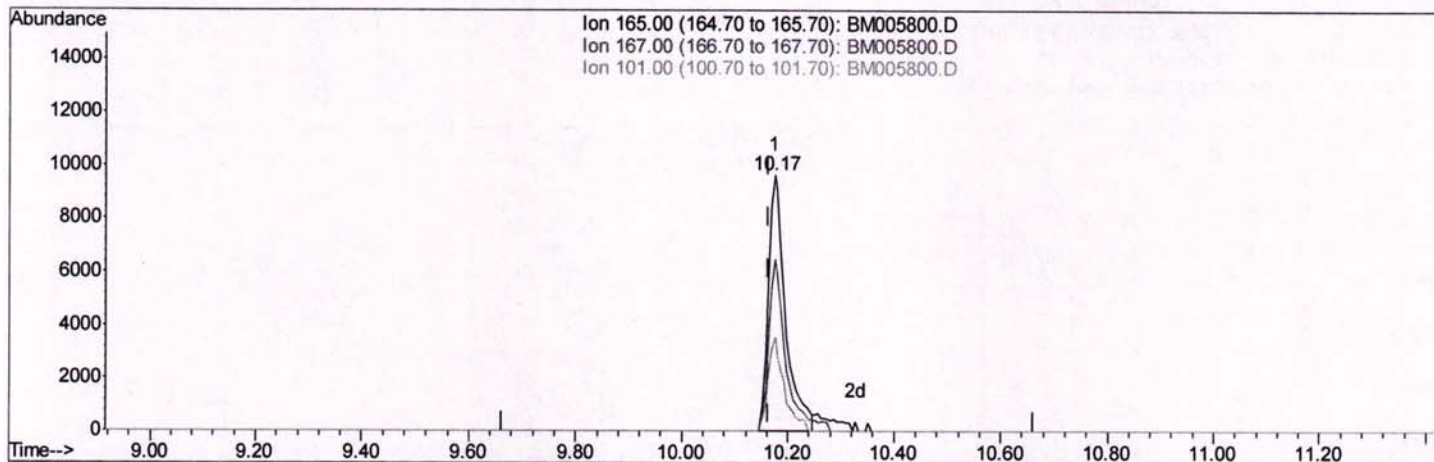
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(10) 2,4-Dichlorophenol-d3 (S)

10.175min (+0.011) 3.54ng/ul

response 22066

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 165.00 | 100   | 100   |
| 167.00 | 65.50 | 67.15 |
| 101.00 | 34.70 | 36.72 |
| 0.00   | 0.00  | 0.00  |