

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
BDJ23DL

**APPROVED**

sohil  
7/20/2016 7:48:16 PM

TIC: BM006552.D

Abundance

Time-->

Labeled compounds (from left to right):

- Benzodifuran-d8, S
- 2-Chlorophenol-d4, S
- 1,4-Dichlorobenzene-d4, I
- 4-Methylphenol-d8, S
- Nitrobenzene-d5, S
- 2-Nitrophenol-d4, S
- 2,4-Dichlorophenol-d3, S
- 4-Chloroaniline-d4, S
- Naphthalene-d8, I
- Naphthalene
- 2-Methylnaphthalene
- 1,1'-Biphenyl
- Dimethylphthalate-d6, S
- Acenaphthylene-d8, S
- Acenaphthene-d10, I
- Dibenzofuran
- Fluorene-d10, S
- Anthracene-d10, S
- Phenanthrene-d10, I
- Pyrene-4-tol, S
- Pyrene
- Fluoranthene, C
- Chrysene
- Benzo(a)fluoranthene
- Benzo(b)fluoranthene
- Perylene-d12, I
- Indeno(1,2,3-cd)pyrene
- Benzo(g,h,i)perylene

## Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM071916\  
 Data File : BM006552.D  
 Acq On : 20 Jul 2016 13:07  
 Operator : UM/SJ  
 Sample : H3959-06DL 10X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJ23DL

## Manual Integrations

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Quant Time: Jul 20 15:17:42 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM071416.M  
 Quant Title : SVOA CALIBRATION  
 Qlast Update : Wed Jul 20 04:22:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 147302   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 605919   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 336632   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 762445   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 901124   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.41 | 264  | 953201   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 705    | 0.20 | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.79  | 99  | 18433  | 1.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 13059  | 1.78 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 15125  | 1.55 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 13096  | 1.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 6380   | 1.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 5796   | 1.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 11551  | 1.18 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 19299m | 1.88 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 43911  | 1.59 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.95 | 160 | 55192  | 1.62 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 2689   | 0.56 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.26 | 176 | 45299  | 1.85 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 1305   | 0.30 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.11 | 188 | 68003  | 1.89 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 78674  | 1.93 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.27 | 264 | 83303  | 1.91 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       | Qvalue    |
|----------------------------|-------|-----|---------|-------|-----------|
| 28) Naphthalene            | 10.44 | 128 | 1971433 | 64.10 | ng/ul 99  |
| 34) 2-Methylnaphthalene    | 12.06 | 142 | 97323   | 4.20  | ng/ul 99  |
| 40) 1,1'-Biphenyl          | 13.09 | 154 | 31264   | 1.13  | ng/ul 97  |
| 49) Acenaphthene           | 14.33 | 153 | 176976  | 7.75  | ng/ul 97  |
| 53) Dibenzofuran           | 14.66 | 168 | 127712  | 3.84  | ng/ul 98  |
| 58) Fluorene               | 15.32 | 166 | 130262  | 4.90  | ng/ul 99  |
| 69) Phenanthrene           | 17.06 | 178 | 661822  | 15.79 | ng/ul 99  |
| 71) Anthracene             | 17.14 | 178 | 219931  | 5.10  | ng/ul 100 |
| 74) Fluoranthene           | 19.08 | 202 | 586555  | 12.04 | ng/ul 99  |
| 77) Pyrene                 | 19.44 | 202 | 450900  | 8.38  | ng/ul 98  |
| 80) Benzo(a)anthracene     | 21.20 | 228 | 207408  | 3.77  | ng/ul 96  |
| 82) Chrysene               | 21.25 | 228 | 197057  | 3.81  | ng/ul 96  |
| 85) Benzo(b)fluoranthene   | 22.75 | 252 | 217107  | 3.81  | ng/ul 97  |
| 86) Benzo(k)fluoranthene   | 22.79 | 252 | 77147m  | 1.44  | ng/ul     |
| 88) Benzo(a)pyrene         | 23.31 | 252 | 157535  | 2.89  | ng/ul 99  |
| 89) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 93086   | 1.47  | ng/ul# 93 |
| 91) Benzo(g,h,i)perylene   | 26.27 | 276 | 75853   | 1.35  | ng/ul# 95 |

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

## Quantitation Report (Qedit)

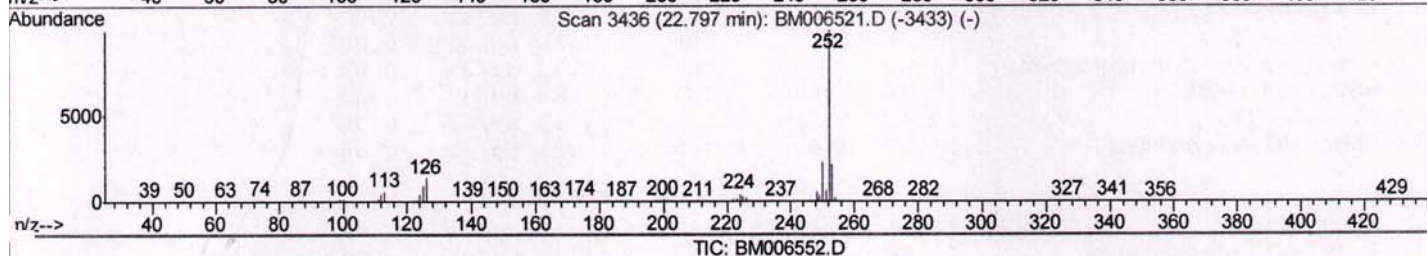
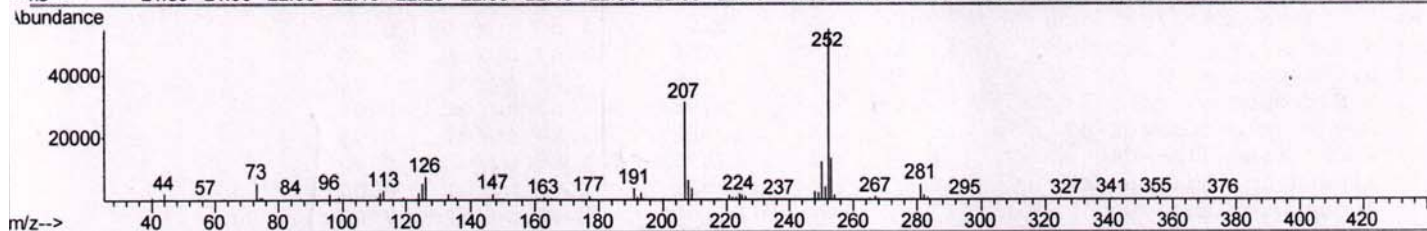
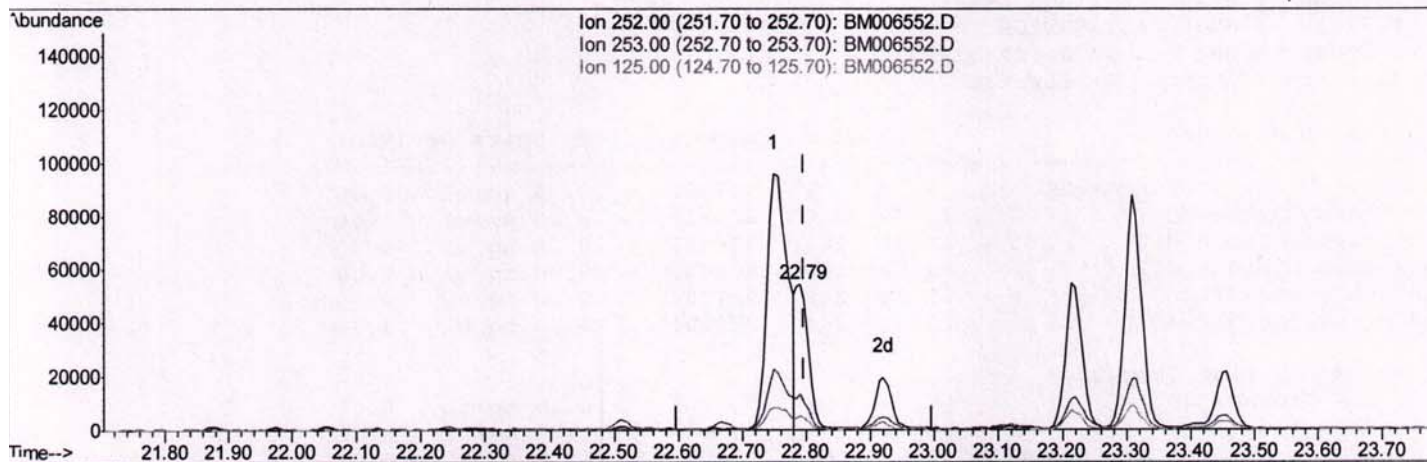
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM071916\  
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Manual Integrations

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(86) Benzo(k)fluoranthene

22.792min (-0.006) 1.44ng/ul m

response 77147

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 24.57 |
| 125.00 | 8.70  | 9.79  |
| 0.00   | 0.00  | 0.00  |

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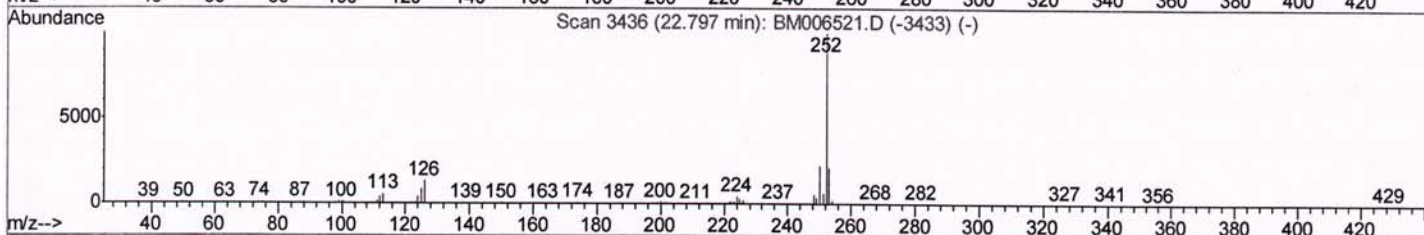
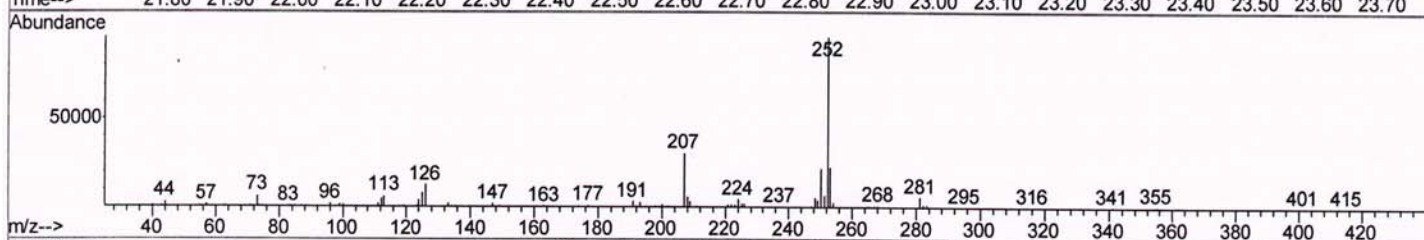
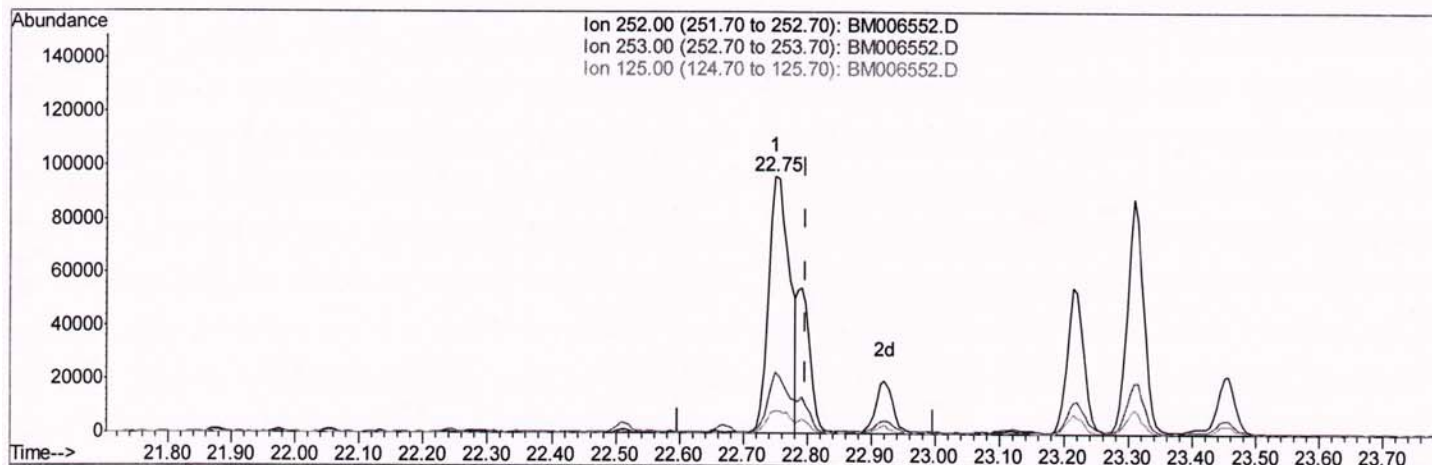
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TIC: BM006552.D

(86) Benzo(k)fluoranthene

22.750min (-0.047) 4.05ng/ul

response 217107

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.60 | 23.54 |
| 125.00 | 8.70  | 8.78  |
| 0.00   | 0.00  | 0.00  |

## Quantitation Report (Qedit)

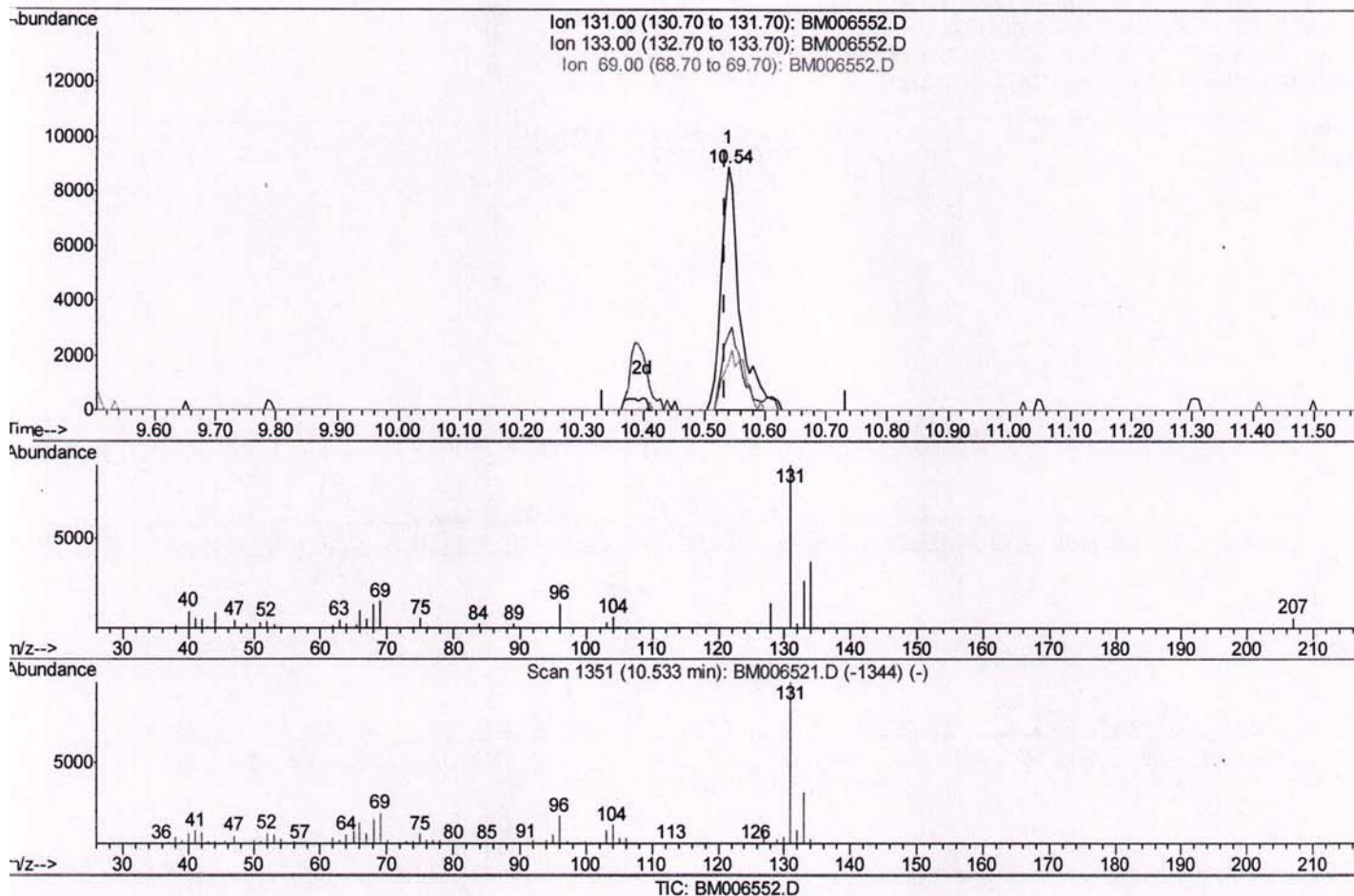
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(29) 4-Chloroaniline-d4 (S)

10.539min (+0.006) 1.88ng/ul m

response 19299

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.70 | 31.06 |
| 69.00  | 20.30 | 19.05 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

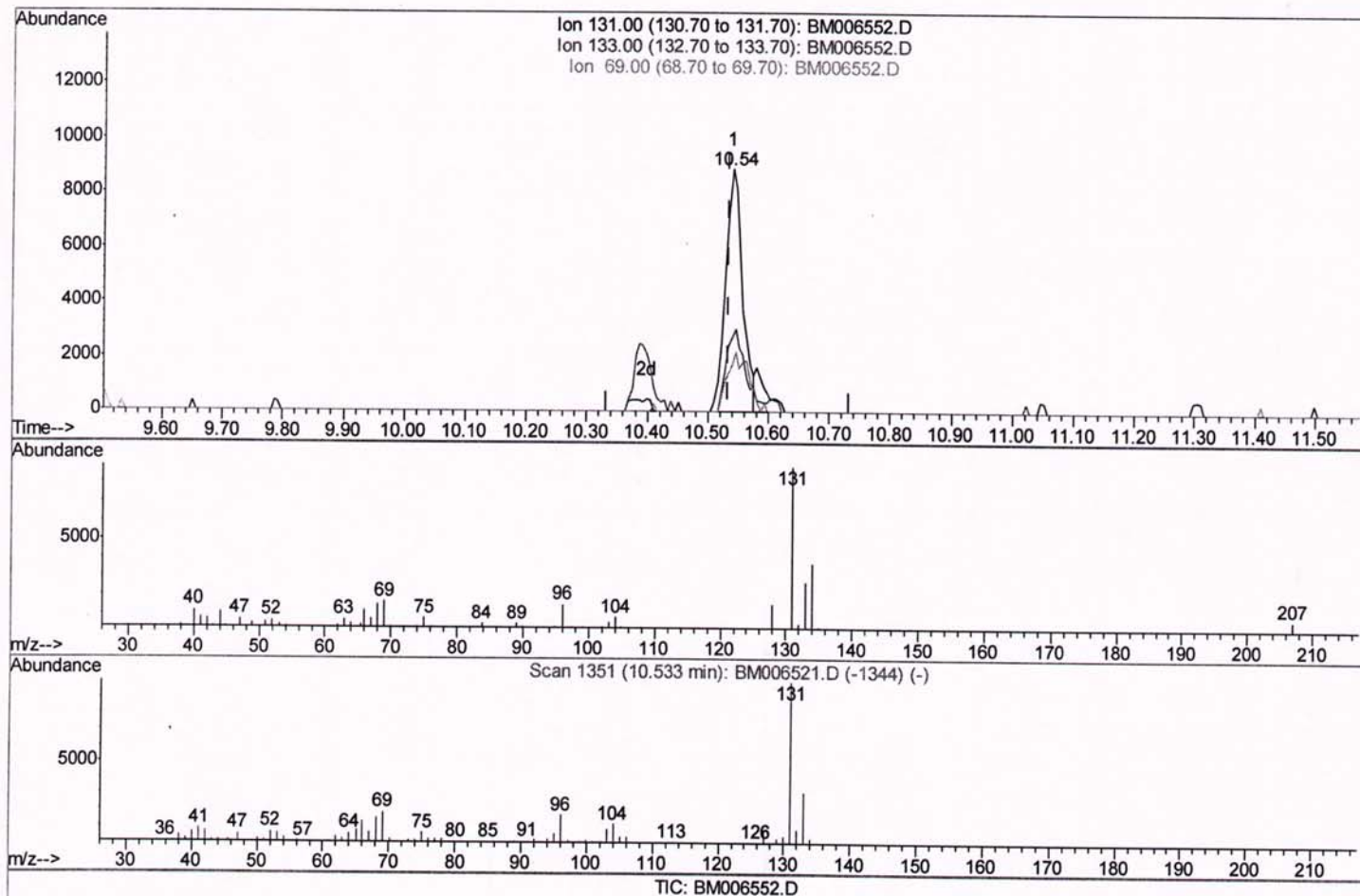
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(29) 4-Chloroaniline-d4 (S)

10.539min (+0.006) 1.68ng/ul

response 17165

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 32.70 | 31.06 |
| 69.00  | 20.30 | 19.05 |
| 0.00   | 0.00  | 0.00  |