

# Quantitation Report (QT Reviewed)

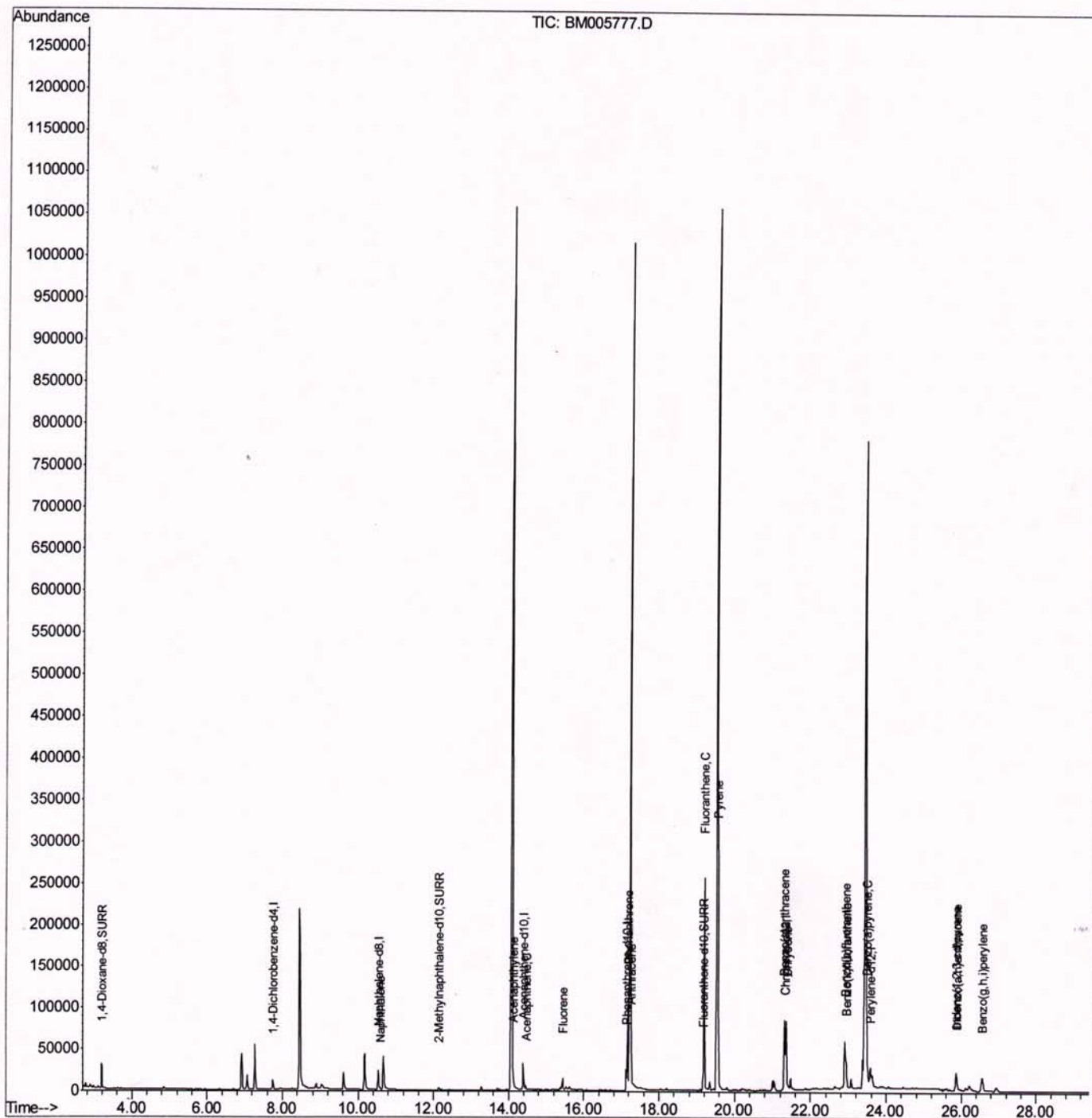
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM061316\  
 Data File : BM005777.D  
 Acq On : 13 Jun 2016 19:37  
 Operator : UM/SJ  
 Sample : H3507-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHGK1

Manual Integrations  
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Quant Time: Jun 14 16:20:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM061316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 13 19:45:38 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  | 7547     | 0.40   | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.54 | 136  | 33048    | 0.40   | ng/ul  | -0.01    |
| 8) Acenaphthene-d10         | 14.38 | 164  | 19079    | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.12 | 188  | 34554m   | 0.40   | ng/ul  | -0.02    |
| 18) Chrysene-d12            | 21.31 | 240  | 31102    | 0.40   | ng/ul  | -0.02    |
| 22) Perylene-d12            | 23.58 | 264  | 40688    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.20  | 96   | 26865    | 7.30   | ng/uL  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.13 | 152  | 8345     | 0.20   | ng/ul  | -0.01    |
| 16) Fluoranthene-d10        | 19.17 | 212  | 16773    | 0.23   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 5) Naphthalene              | 10.58 | 128  | 2948     | 0.04   | ng/ul# | 79       |
| 9) Acenaphthylene           | 14.11 | 152  | 16297    | 0.19   | ng/ul# | 92       |
| 10) Acenaphthene            | 14.45 | 153  | 3335     | 0.05   | ng/ul  | 94       |
| 11) Fluorene                | 15.44 | 166  | 14797    | 0.25   | ng/ul  | 95       |
| 14) Phenanthrene            | 17.18 | 178  | 145631m  | 1.77   | ng/ul  |          |
| 15) Anthracene              | 17.26 | 178  | 31458    | 0.31   | ng/ul  | 98       |
| 17) Fluoranthene            | 19.19 | 202  | 245827m  | 2.37   | ng/ul  |          |
| 19) Pyrene                  | 19.56 | 202  | 237692   | 2.22   | ng/ul  | 96       |
| 20) Benzo(a)anthracene      | 21.30 | 228  | 89923    | 1.24   | ng/ul# | 92       |
| 21) Chrysene                | 21.36 | 228  | 102466   | 0.92   | ng/ul  | 96       |
| 23) Benzo(b)fluoranthene    | 22.90 | 252  | 104288m  | 0.92   | ng/ul  |          |
| 24) Benzo(k)fluoranthene    | 22.93 | 252  | 42799m   | 0.30   | ng/ul  |          |
| 25) Benzo(a)pyrene          | 23.47 | 252  | 79496    | 0.62   | ng/ul  | 98       |
| 26) Indeno(1,2,3-cd)pyrene  | 25.86 | 276  | 42428    | 0.29   | ng/ul  | 94       |
| 27) Dibenzo(a,h)anthracene  | 25.87 | 278  | 8650     | 0.08   | ng/ul# | 71       |
| 28) Benzo(g,h,i)perylene    | 26.56 | 276  | 37395    | 0.29   | ng/ul  | 97       |

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

0.23  
 06/14/16

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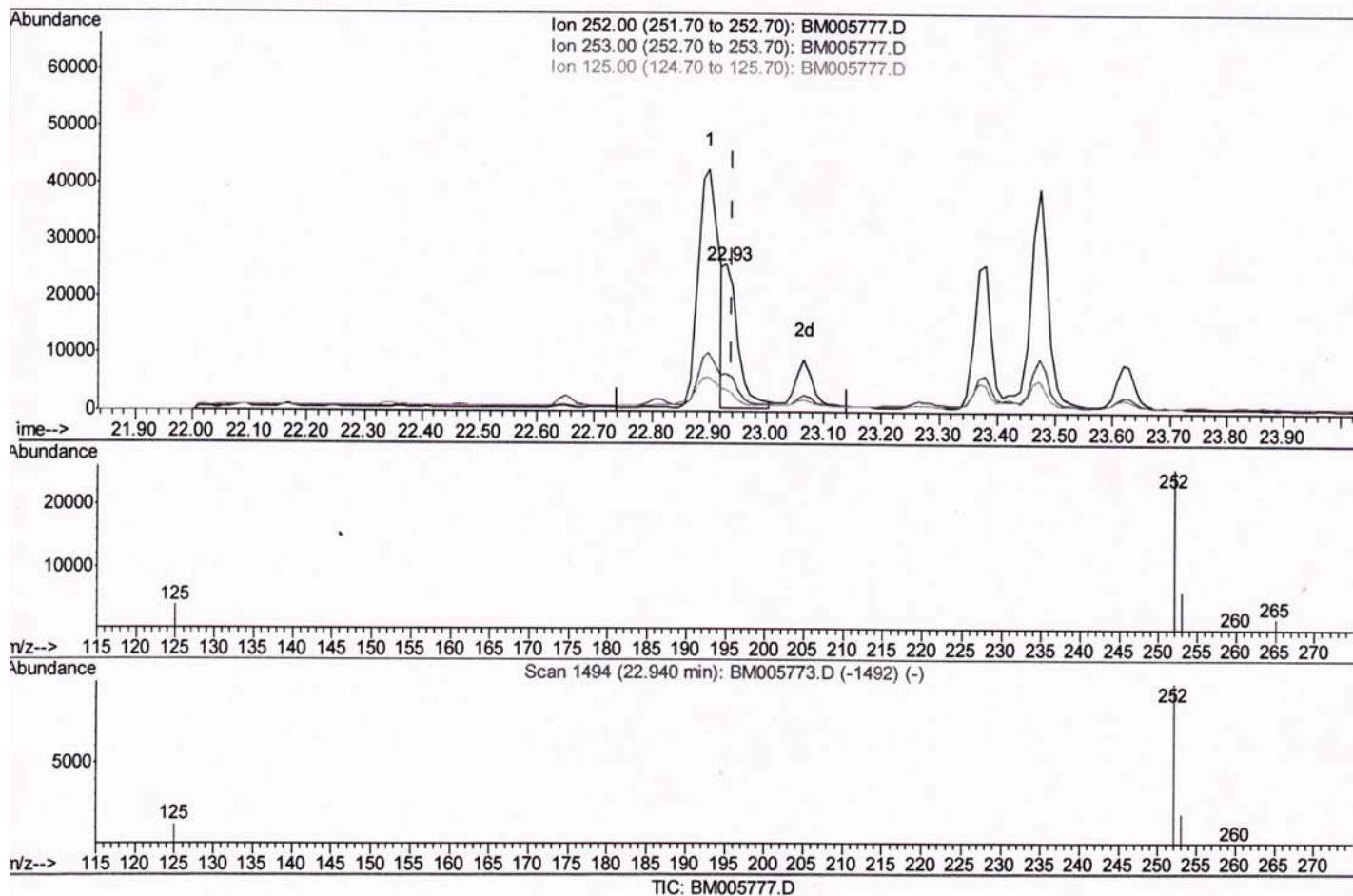
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(24) Benzo(k)fluoranthene  
 22.930min (-0.010) 0.30ng/ul m  
 response 42799  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 25.05 |
| 125.00 | 13.00 | 15.13 |
| 0.00   | 0.00  | 0.00  |

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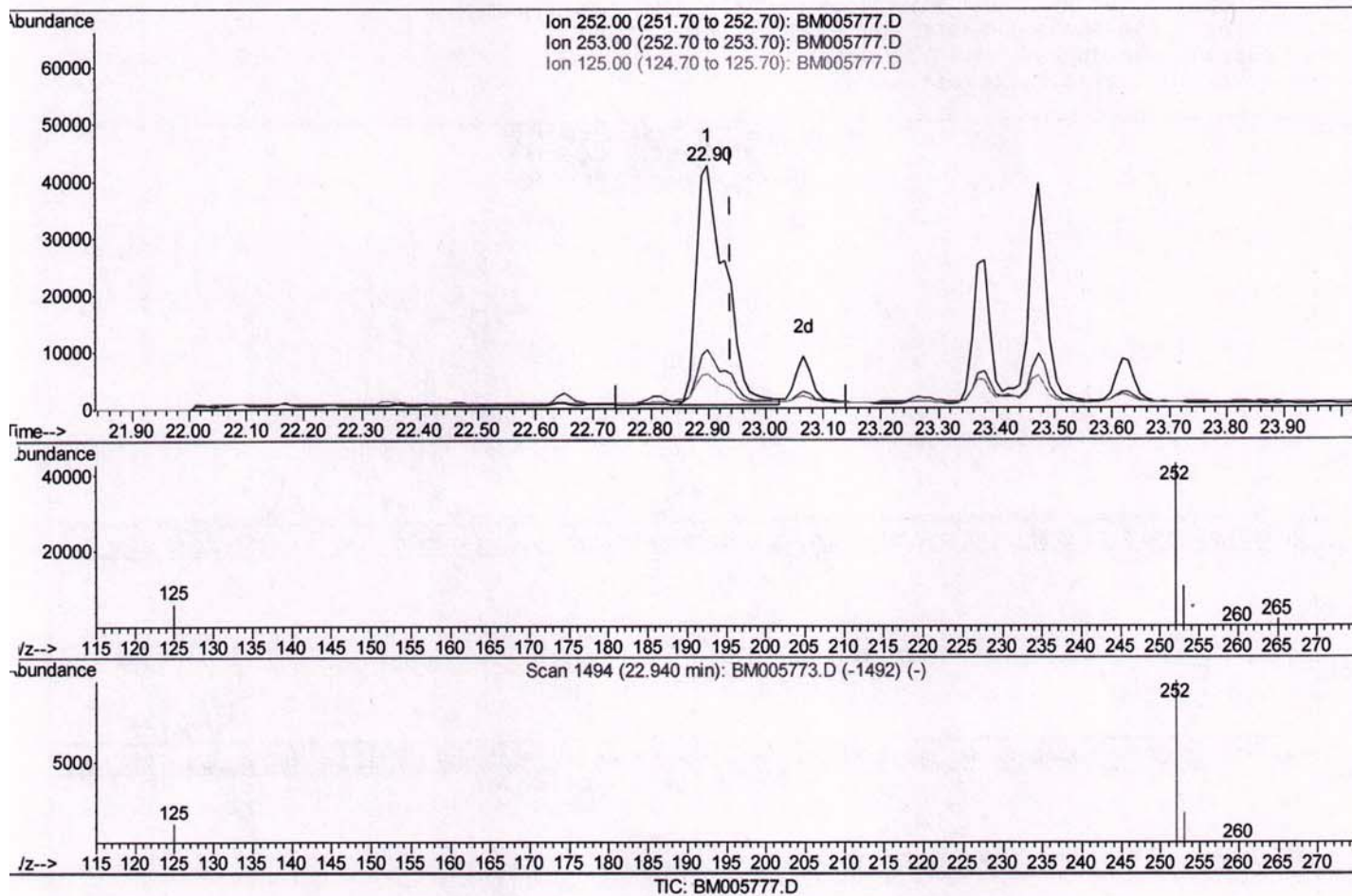
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(24) Benzo(k)fluoranthene

22.899min (-0.042) 1.04ng/ul

response 147321

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 24.24 |
| 125.00 | 13.00 | 14.25 |
| 0.00   | 0.00  | 0.00  |

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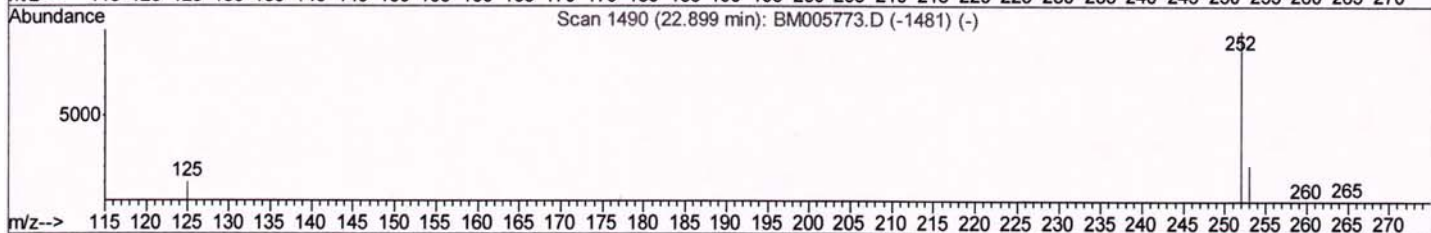
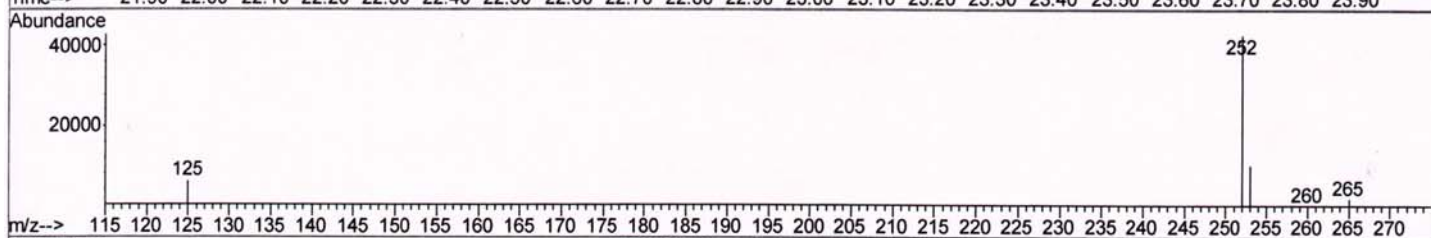
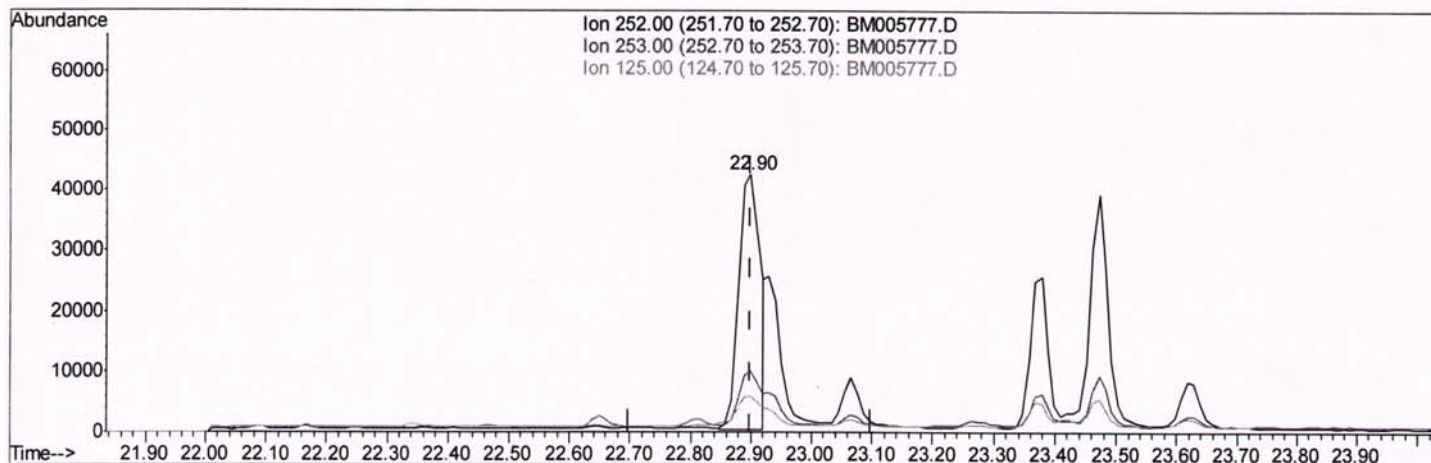
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(23) Benzo(b)fluoranthene

22.899min (+0.000) 0.92ng/ul m

response 104288

Ion Exp% Act%

252.00 100 100

253.00 22.70 24.24

125.00 14.40 14.25

0.00 0.00 0.00

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## Quantitation Report (Qedit)

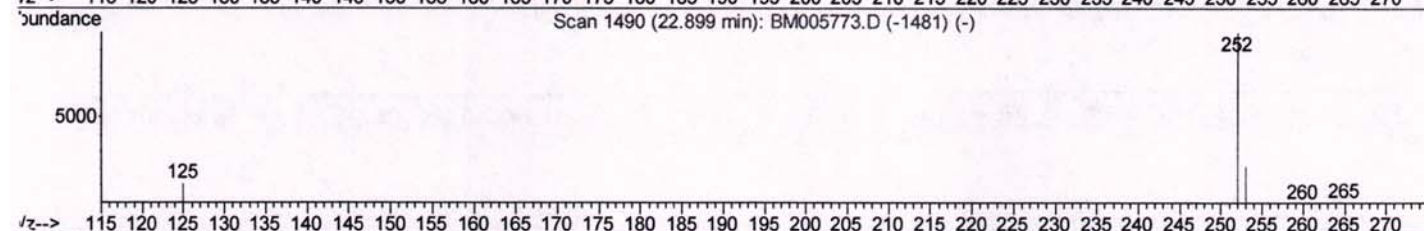
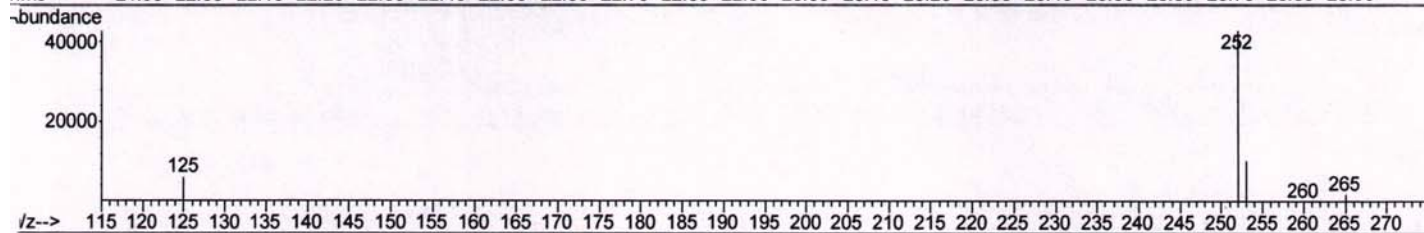
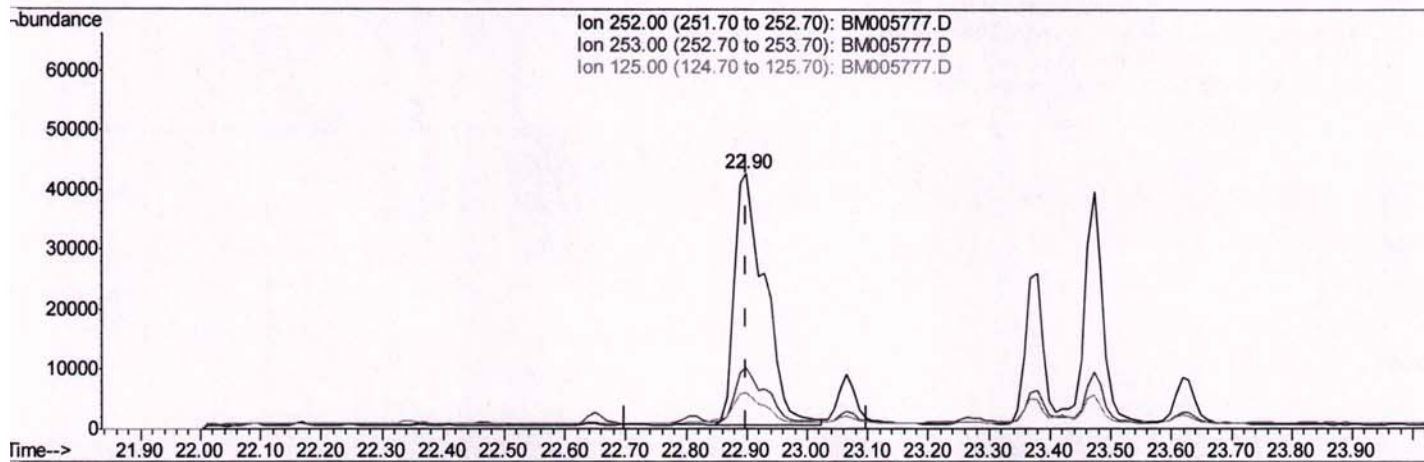
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TIC: BM005777.D

(23) Benzo(b)fluoranthene

22.899min (+0.000) 1.30ng/ul

response 147321

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 24.24 |
| 125.00 | 14.40 | 14.25 |
| 0.00   | 0.00  | 0.00  |

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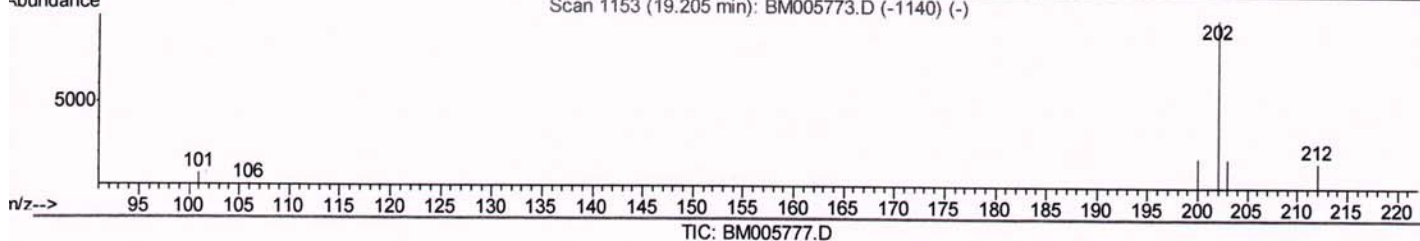
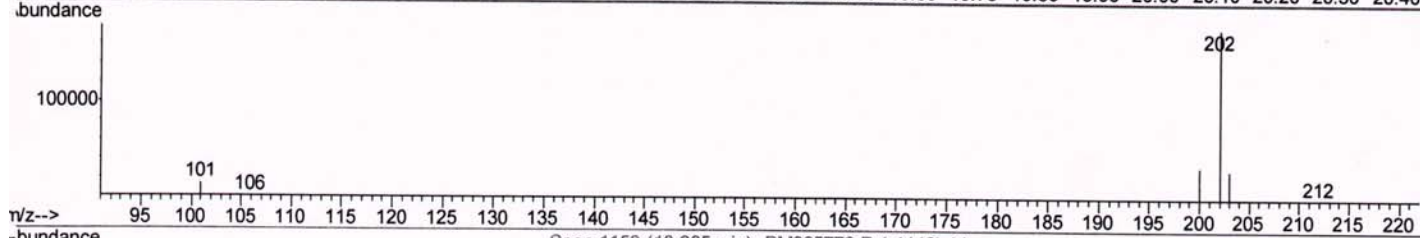
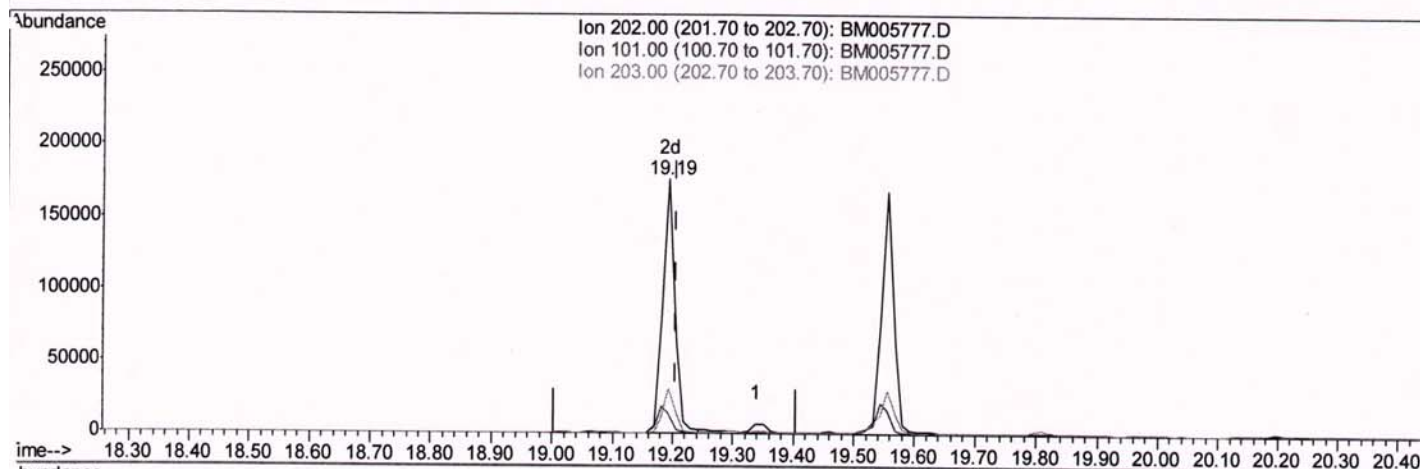
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(17) Fluoranthene (C)  
 19.193min (-0.012) 2.37ng/ul m  
 response 245827  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 9.60  | 7.92  |
| 203.00 | 16.30 | 17.49 |
| 0.00   | 0.00  | 0.00  |

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# Quantitation Report (Qedit)

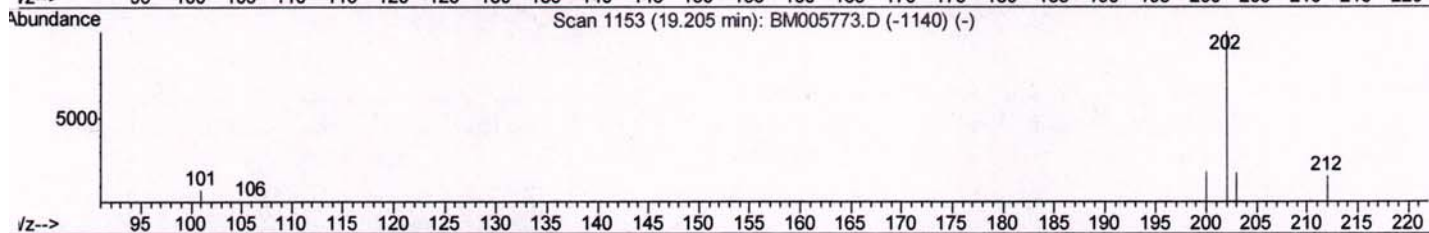
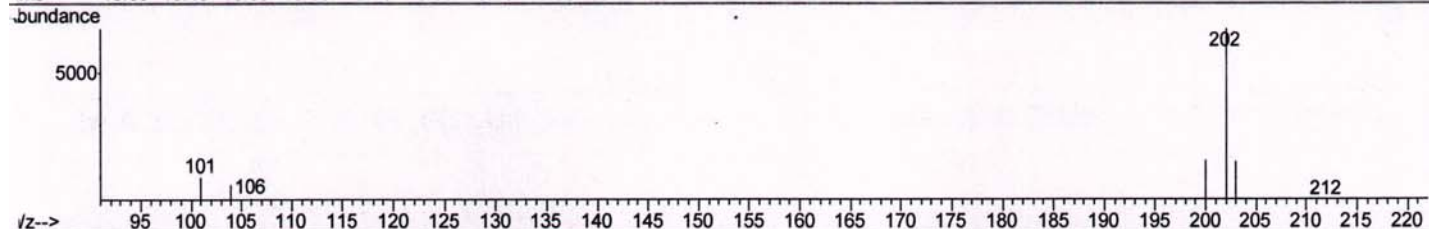
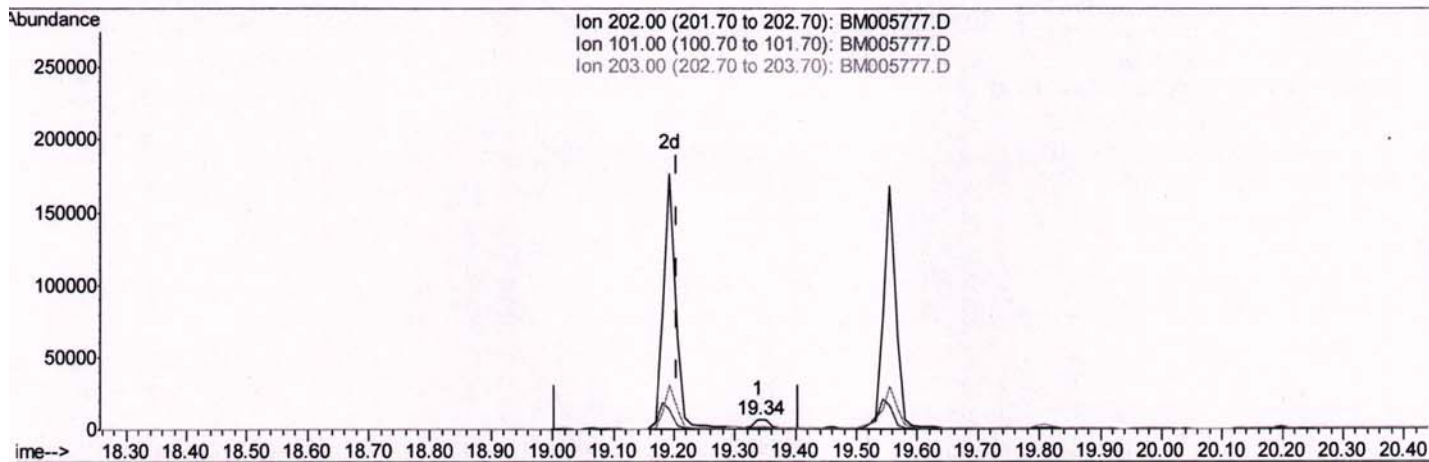
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 Misc :  
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Manual Integrations  
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TIC: BM005777.D

(17) Fluoranthene (C)

19.338min (+0.133) 0.11ng/ul

response 11645

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 9.60  | 14.71 |
| 203.00 | 16.30 | 23.67 |
| 0.00   | 0.00  | 0.00  |

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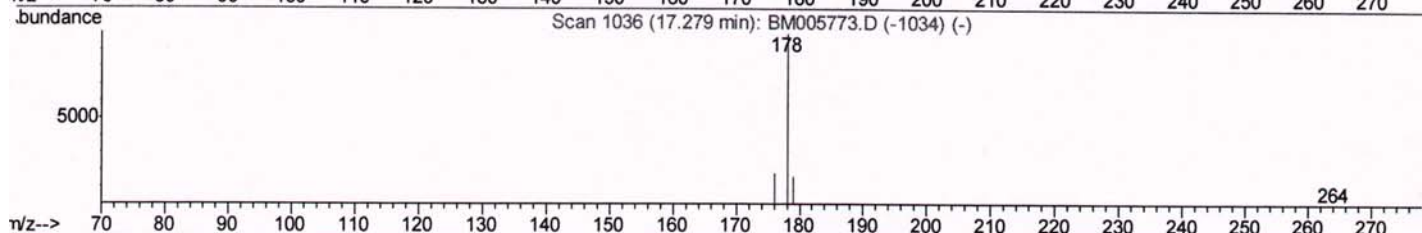
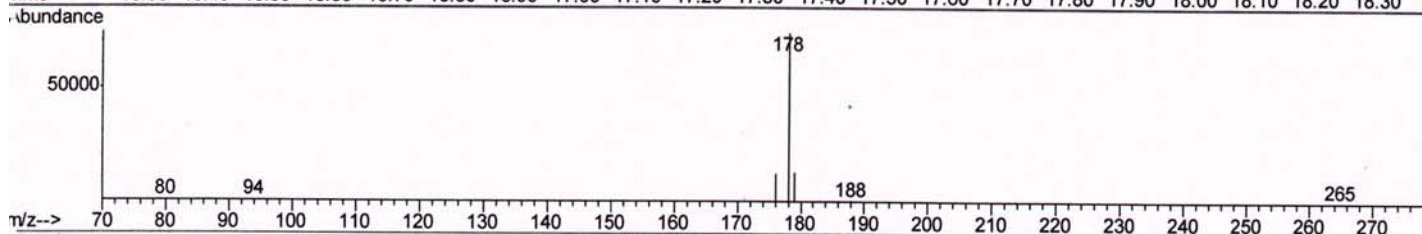
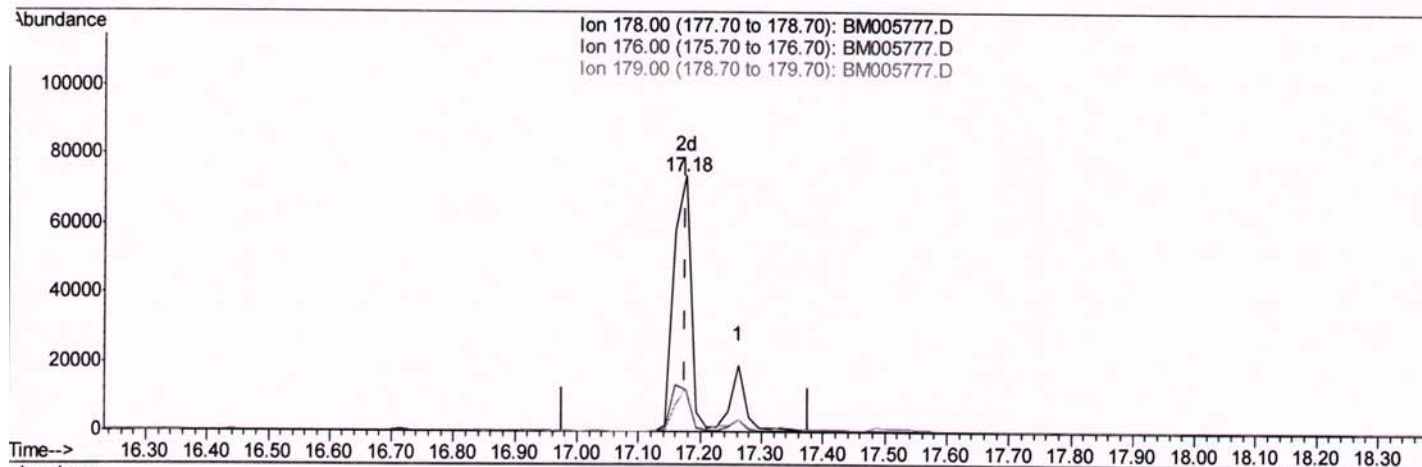
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(14) Phenanthrene

17.176min (+0.000) 1.77ng/ul m

response 145631

Ion Exp% Act%

178.00 100 100

176.00 16.20 16.58

179.00 17.70 16.94

0.00 0.00 0.00

*U.A.*  
*06/14/16*

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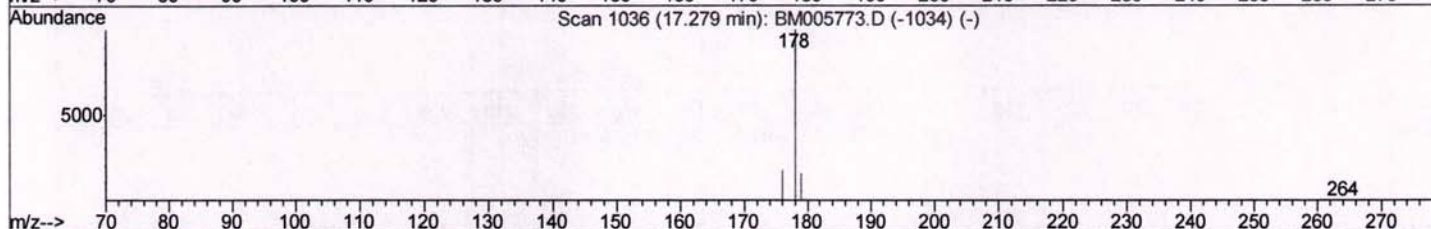
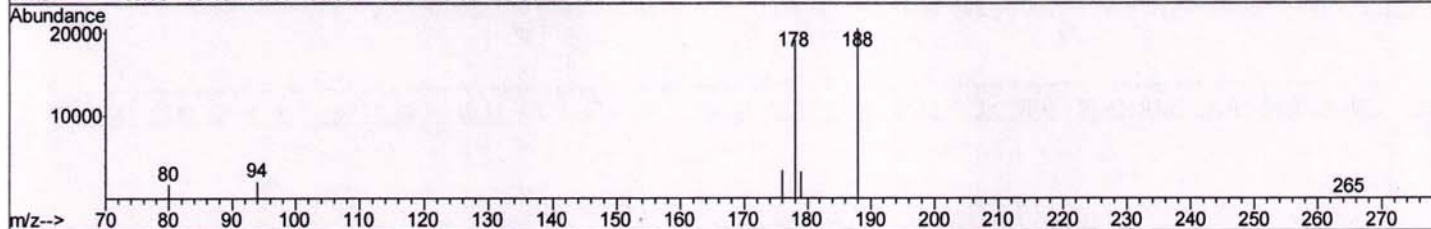
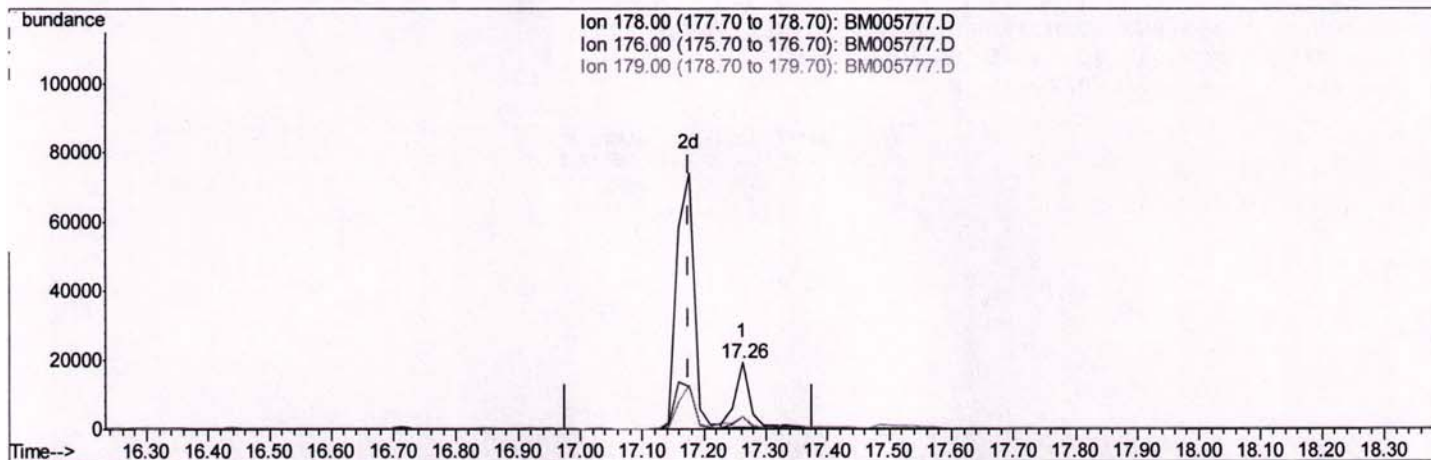
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(14) Phenanthrene

17.262min (+0.086) 0.37ng/ul

response 30688

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 176.00 | 16.20 | 18.32 |
| 179.00 | 17.70 | 17.07 |
| 0.00   | 0.00  | 0.00  |

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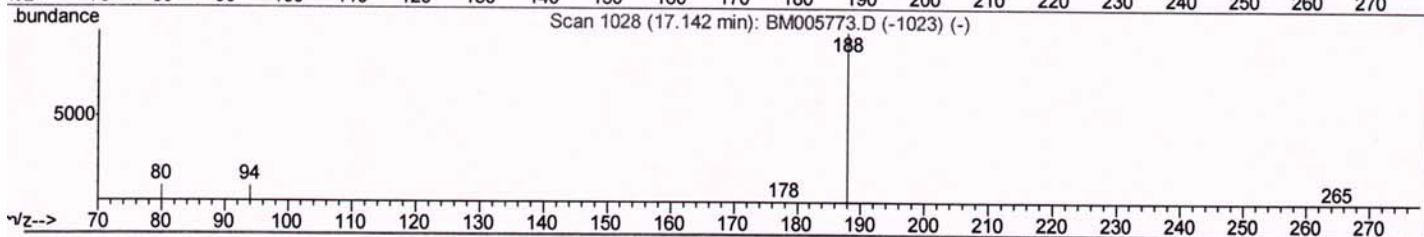
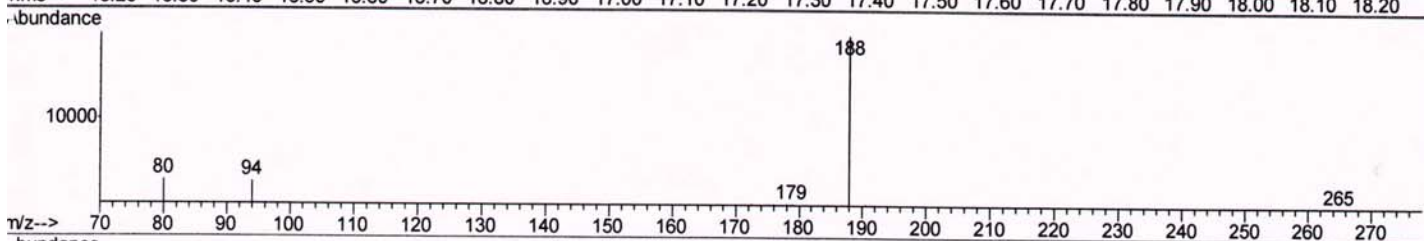
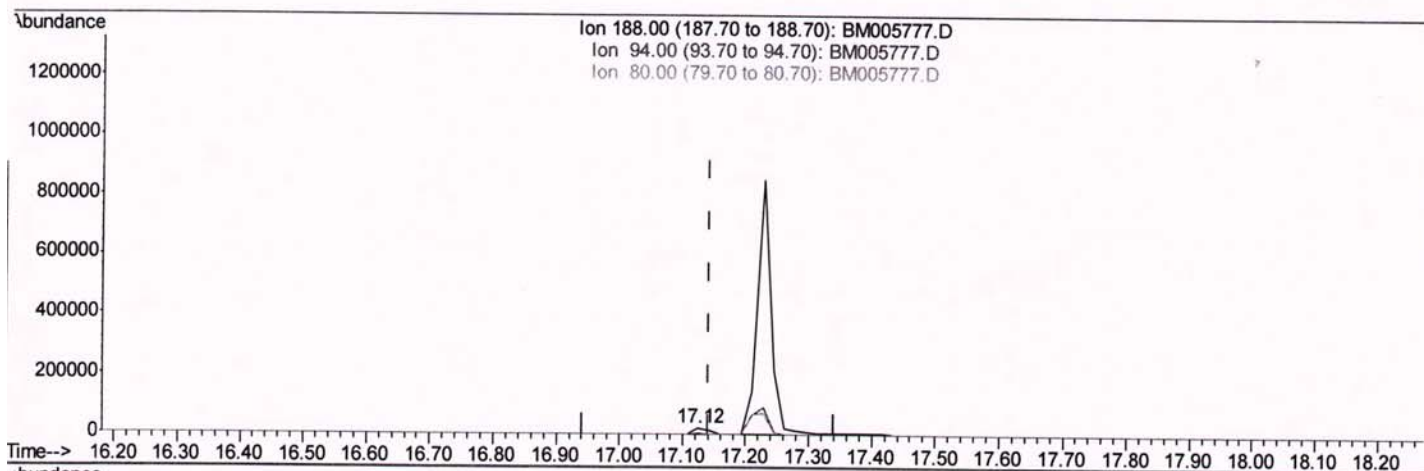
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(12) Phenanthrene-d10 (I)

17.125min (-0.017) 0.40ng/ul m

response 34554

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 13.41 |
| 80.00  | 11.90 | 14.09 |
| 0.00   | 0.00  | 0.00  |

*U.S.*  
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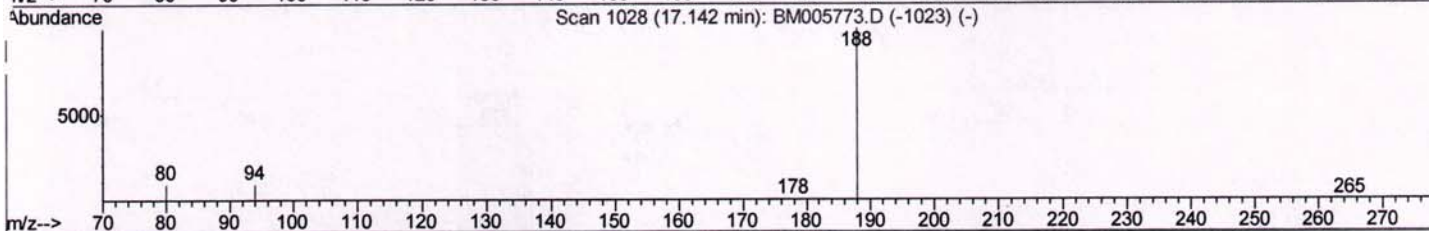
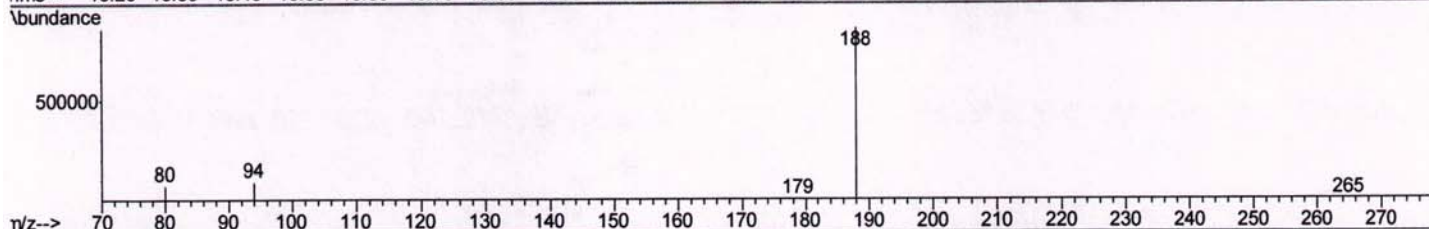
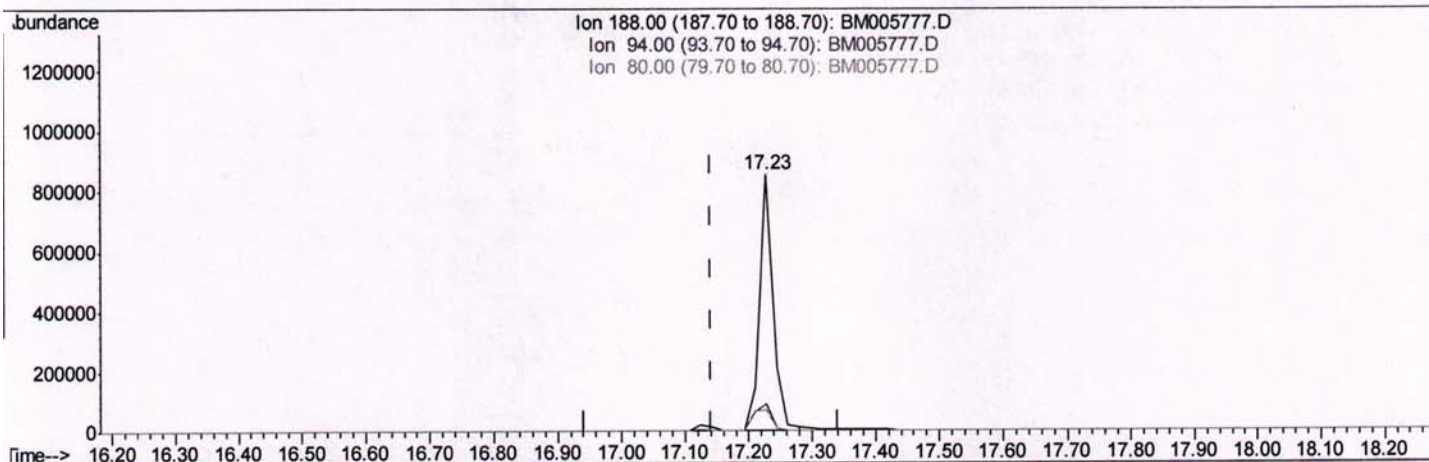
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(12) Phenanthrene-d10 (I)

17.228min (+0.086) 0.40ng/ul

response 1273211

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.70 | 10.53 |
| 80.00  | 11.90 | 8.39# |
| 0.00   | 0.00  | 0.00  |