

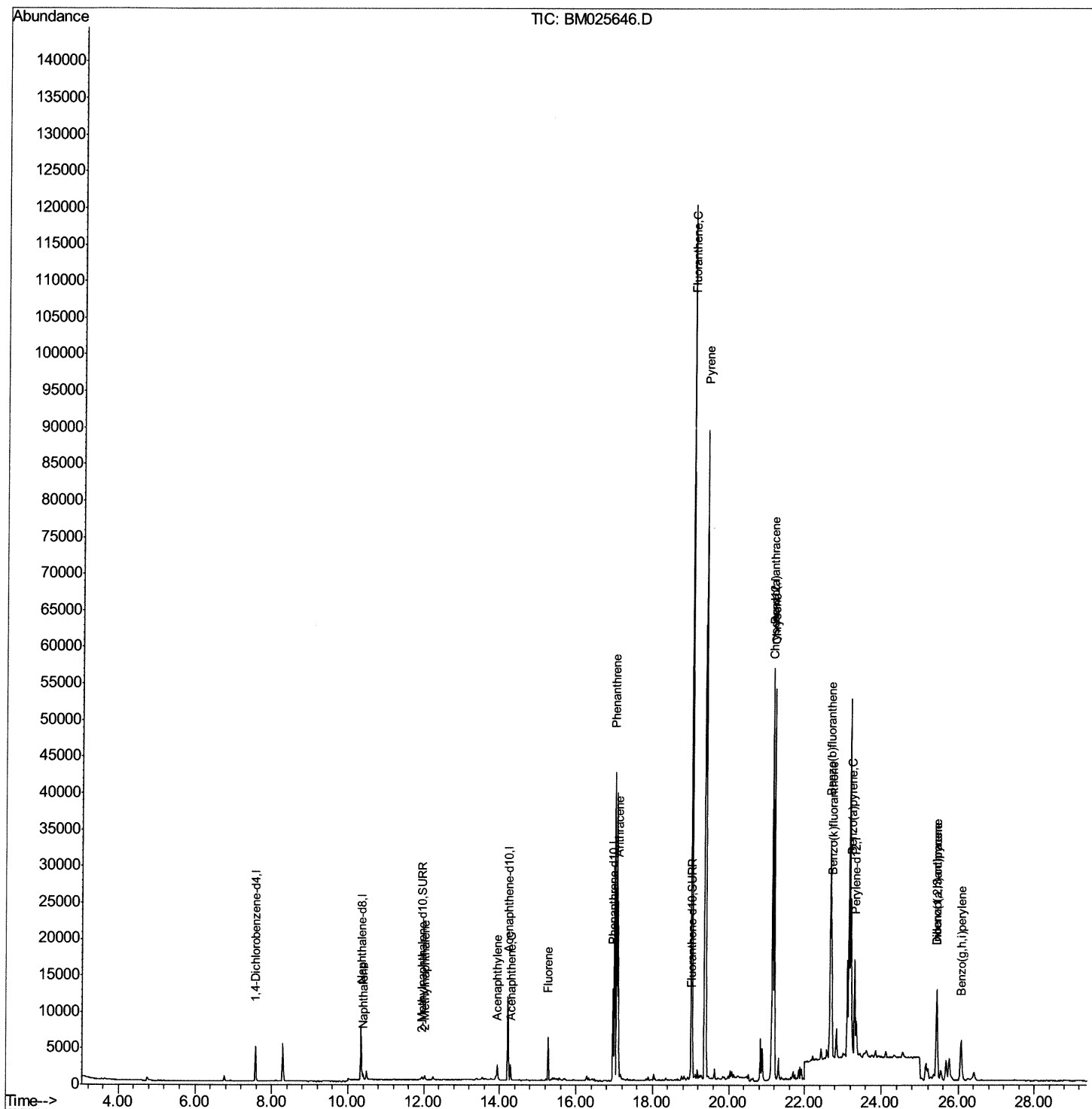
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\  
Data File : BM025646.D  
Acq On : 19 Mar 2020 01:58  
Operator : CG/JU  
Sample : L1786-12DL 5X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AC8DL

Manual Integrations  
APPROVED

mohammad  
3/19/2020 12:44:00 PM

Quant Time: Mar 19 02:50:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 19 00:21:10 2020  
Response via : Initial Calibration



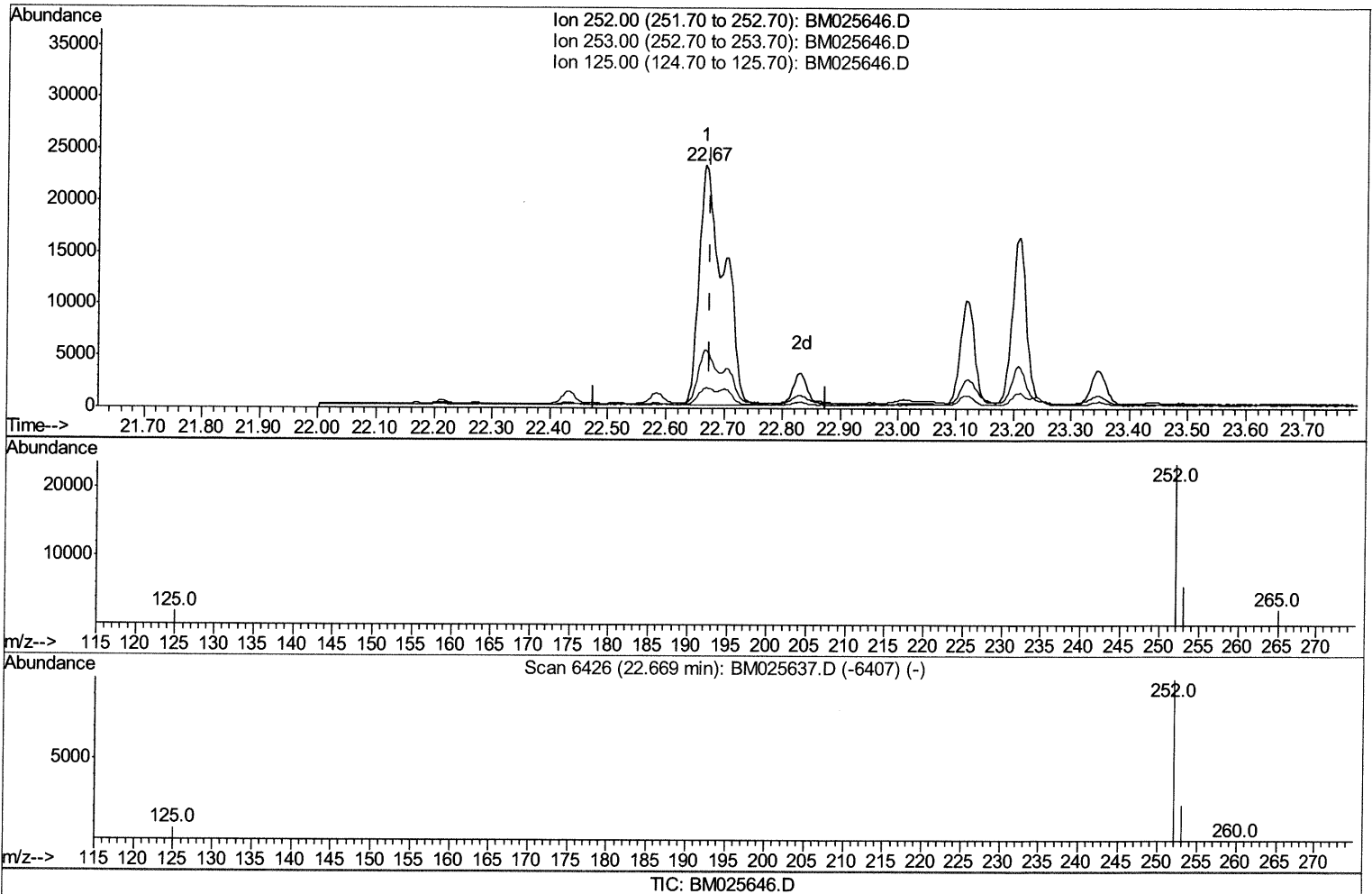
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Quant Time: Mar 19 02:48:27 2020  
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(21) Benzo(b)fluoranthene  
22.667min (-0.008) 1.08ng/ul  
response 68548

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.10 | 24.24 |
| 125.00 | 8.80  | 8.22  |
| 0.00   | 0.00  | 0.00  |

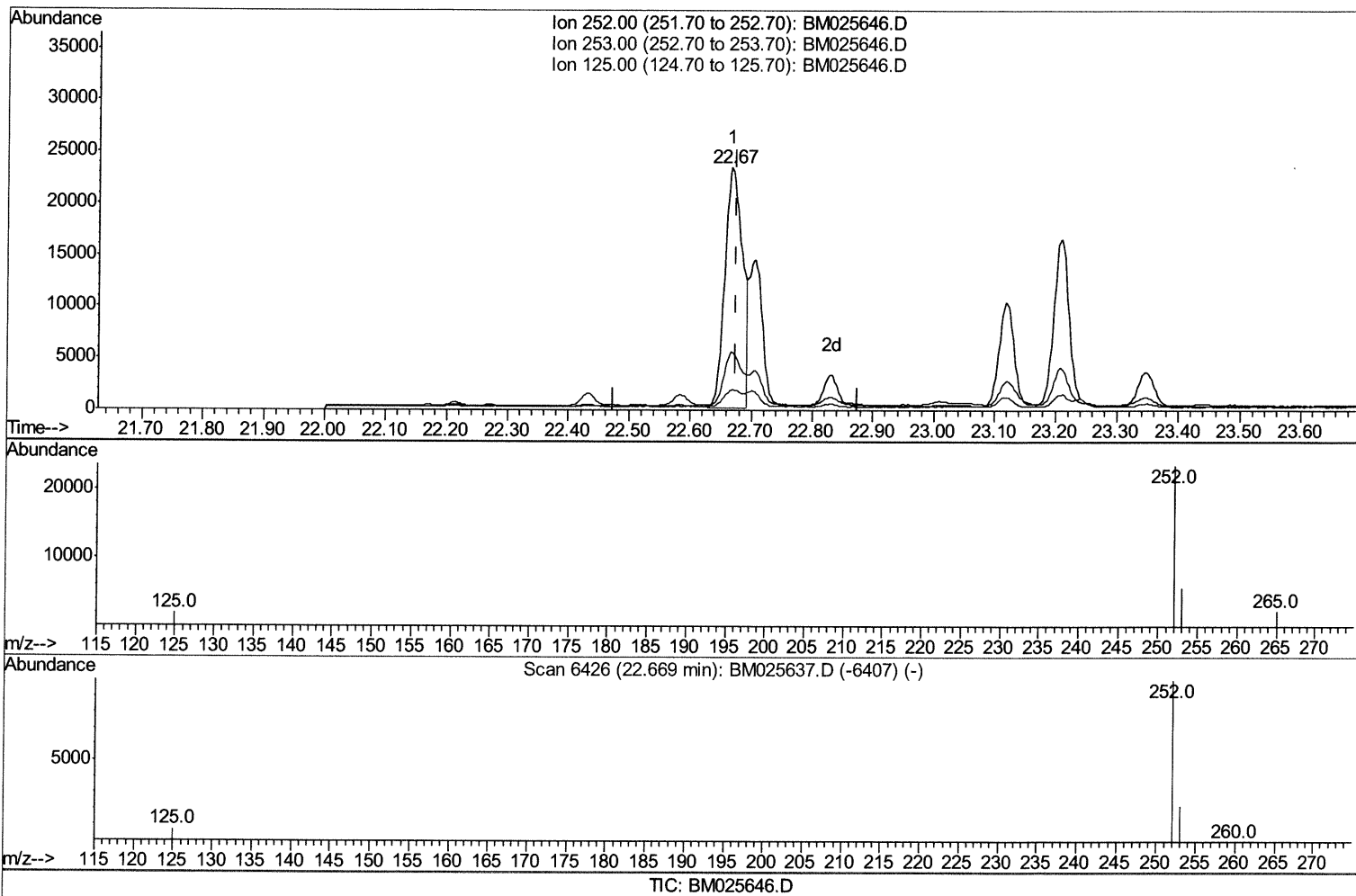
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(21) Benzo(b)fluoranthene

22.667min (-0.008) 0.72ng/ul m *Ju 03/20/20*

response 46164

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 25.10 | 24.24 |
| 125.00 | 8.80  | 8.22  |
| 0.00   | 0.00  | 0.00  |

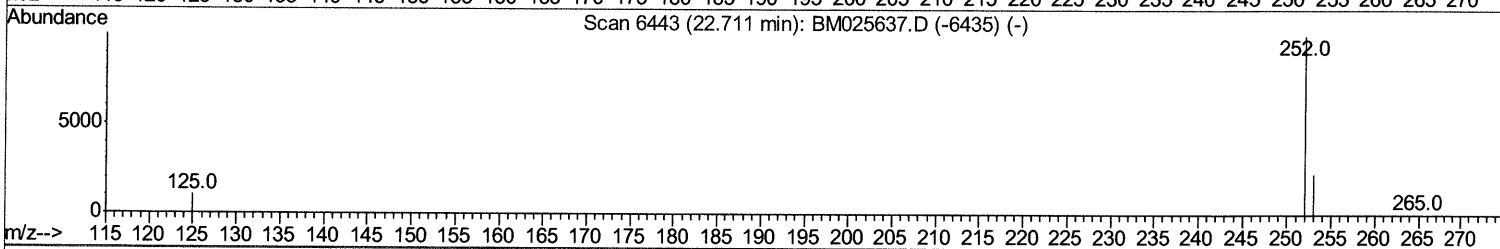
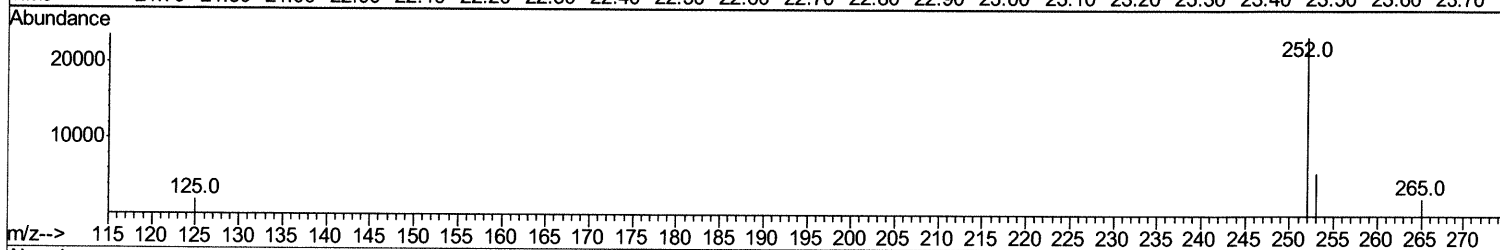
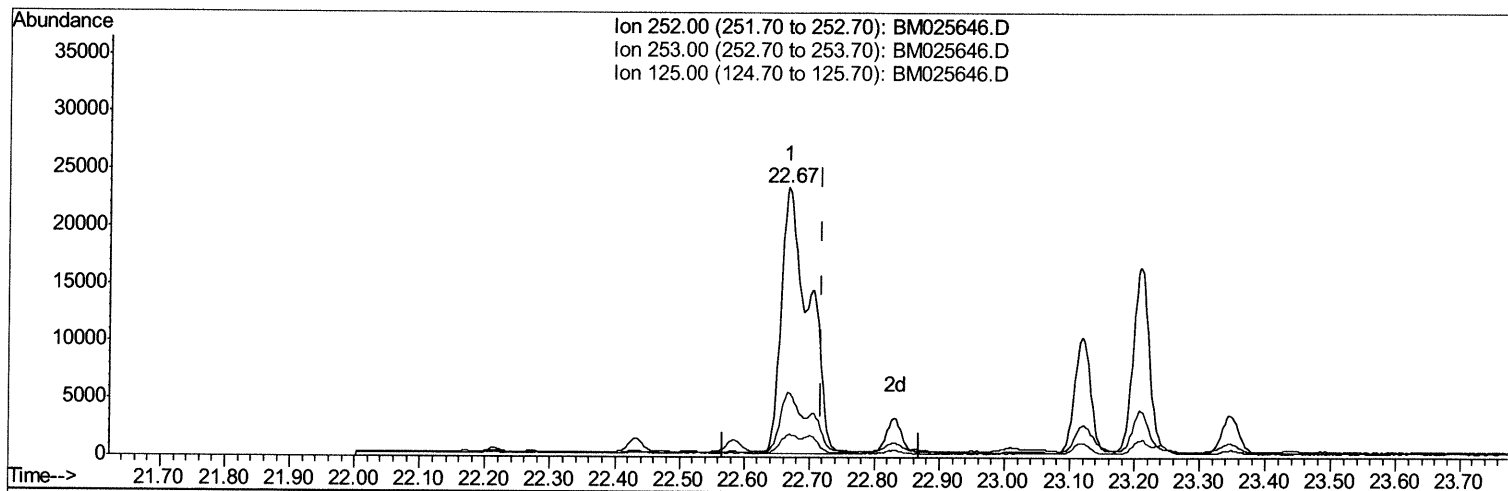
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TIC: BM025646.D

(22) Benzo(k)fluoranthene

22.667min (-0.051) 1.02ng/ul

response 68408

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.80 | 24.24 |
| 125.00 | 8.90  | 8.22  |
| 0.00   | 0.00  | 0.00  |

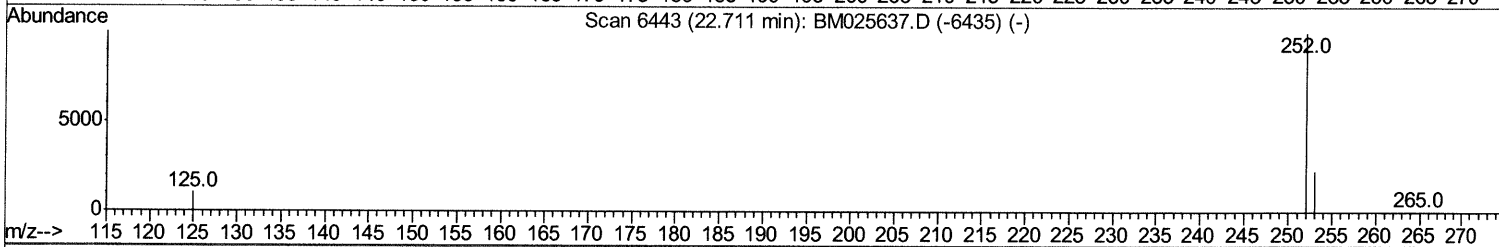
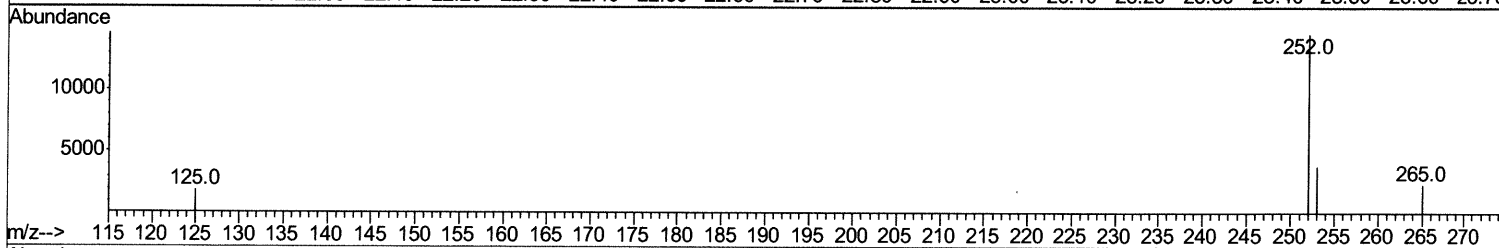
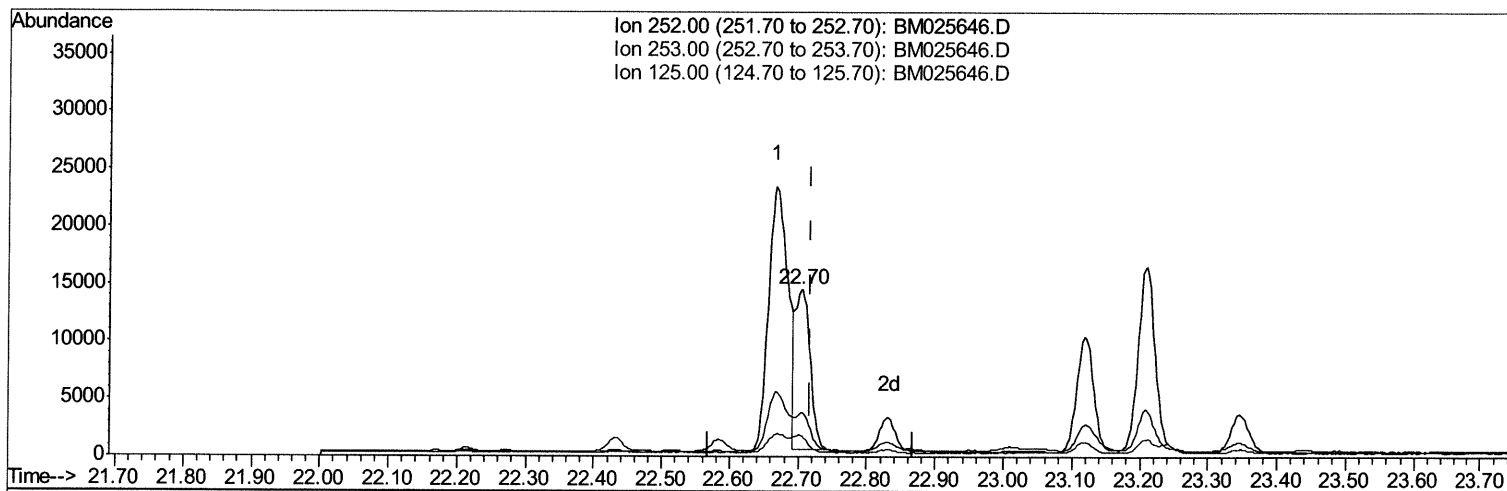
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(22) Benzo(k)fluoranthene

22.703min (-0.015) 0.32ng/ul m

JU03/20/20

response 21547

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.80 | 26.31  |
| 125.00 | 8.90  | 12.70# |
| 0.00   | 0.00  | 0.00   |

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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 2374     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.35 | 136  | 9723     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.22 | 164  | 6308     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.96 | 188  | 14722    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.15 | 240  | 15651    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.30 | 264  | 16103    | 0.40 | ng/ul | -0.01    |

| Svstem Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methvl naphthalene-d10 | 11.95 | 152  | 568      | 0.03 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.00 | 212  | 1534     | 0.04 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response            | Conc  | Units              | Ovalue |
|----------------------------|-------|------|---------------------|-------|--------------------|--------|
| 3) Naphthalene             | 10.40 | 128  | 1186                | 0.041 | ng/ul#             | 86     |
| 5) 2-Methvl naphthalene    | 12.02 | 142  | 460                 | 0.022 | ng/ul              | 94     |
| 7) Acenaphthylene          | 13.94 | 152  | 2506                | 0.097 | ng/ul#             | 84     |
| 8) Acenaphthene            | 14.28 | 153  | 1221                | 0.054 | ng/ul              | 97     |
| 9) Fluorene                | 15.27 | 166  | 3629                | 0.132 | ng/ul              | 98     |
| 12) Phenanthrene           | 17.00 | 178  | 43237               | 0.927 | ng/ul              | 100    |
| 13) Anthracene             | 17.09 | 178  | 24907               | 0.613 | ng/ul              | 99     |
| 15) Fluoranthene           | 19.02 | 202  | 102166              | 2.020 | ng/ul              | 98     |
| 17) Pyrene                 | 19.38 | 202  | 78297               | 1.115 | ng/ul              | 98     |
| 18) Benzo(a)anthracene     | 21.14 | 228  | 44730               | 0.799 | ng/ul              | 99     |
| 19) Chrysene               | 21.19 | 228  | 47745               | 0.760 | ng/ul              | 98     |
| 21) Benzo(b)fluoranthene   | 22.67 | 252  | 46164m <sup>3</sup> | 0.724 | ng/ul <sup>3</sup> | 96     |
| 22) Benzo(k)fluoranthene   | 22.70 | 252  | 21547m <sup>3</sup> | 0.323 | ng/ul <sup>3</sup> | 96     |
| 23) Benzo(a)pyrene         | 23.21 | 252  | 28243               | 0.533 | ng/ul              | 96     |
| 24) Indeno(1,2,3-cd)pyrene | 25.42 | 276  | 18427               | 0.257 | ng/ul#             | 99     |
| 25) Dibenzo(a,h)anthracene | 25.43 | 278  | 6015                | 0.100 | ng/ul#             | 87     |
| 26) Benzo(a,h,i)perylene   | 26.07 | 276  | 11759               | 0.189 | ng/ul#             | 96     |

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