

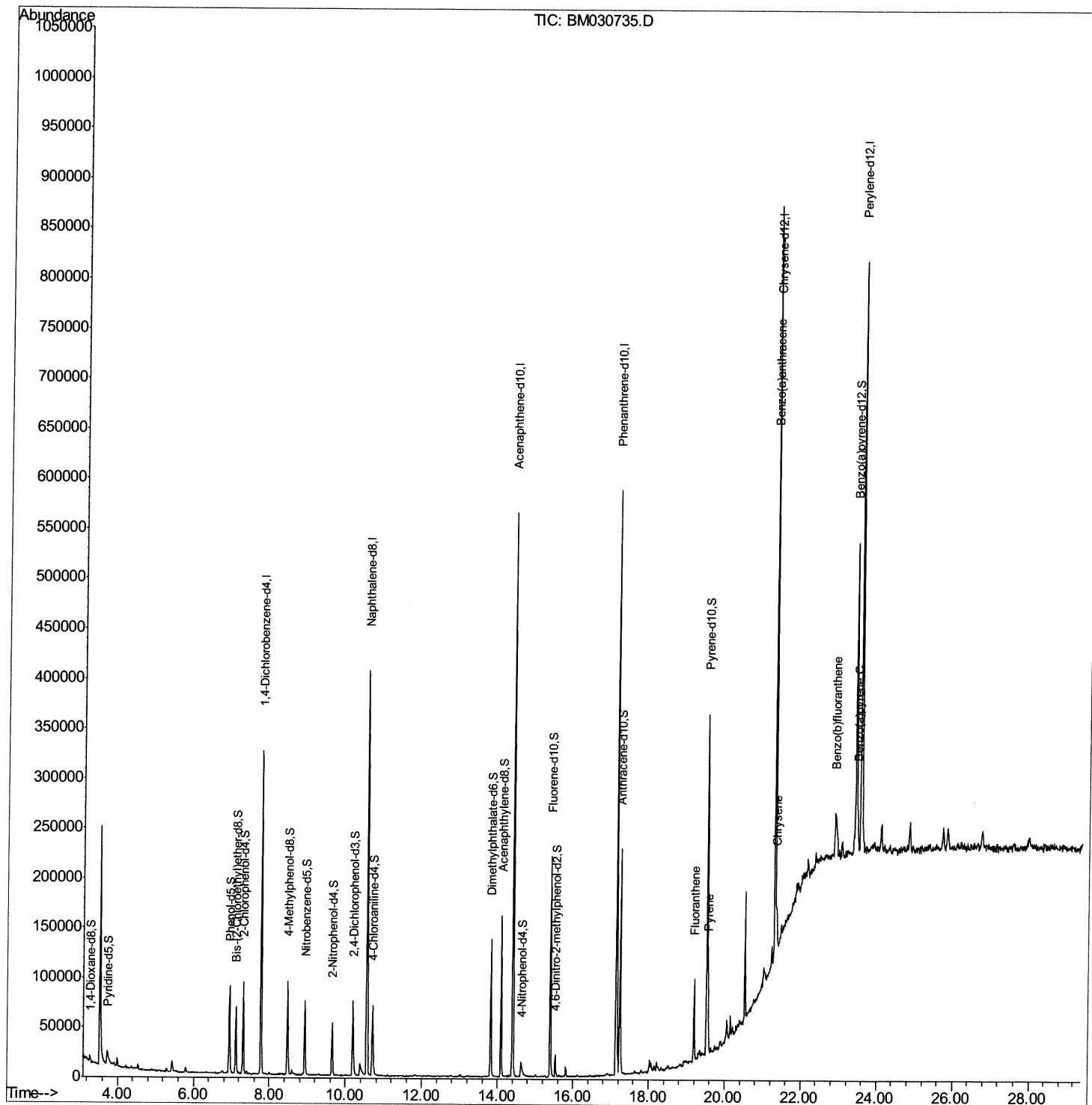
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
Data File : BM030735.D  
Acq On : 01 Jul 2021 10:06  
Operator : CG/JU  
Sample : M2808-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDT5

Manual Integrations  
APPROVED

mohammad  
7/1/2021 2:56:12 PM

Quant Time: Jul 01 11:32:09 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 01 05:56:56 2021  
Response via : Initial Calibration



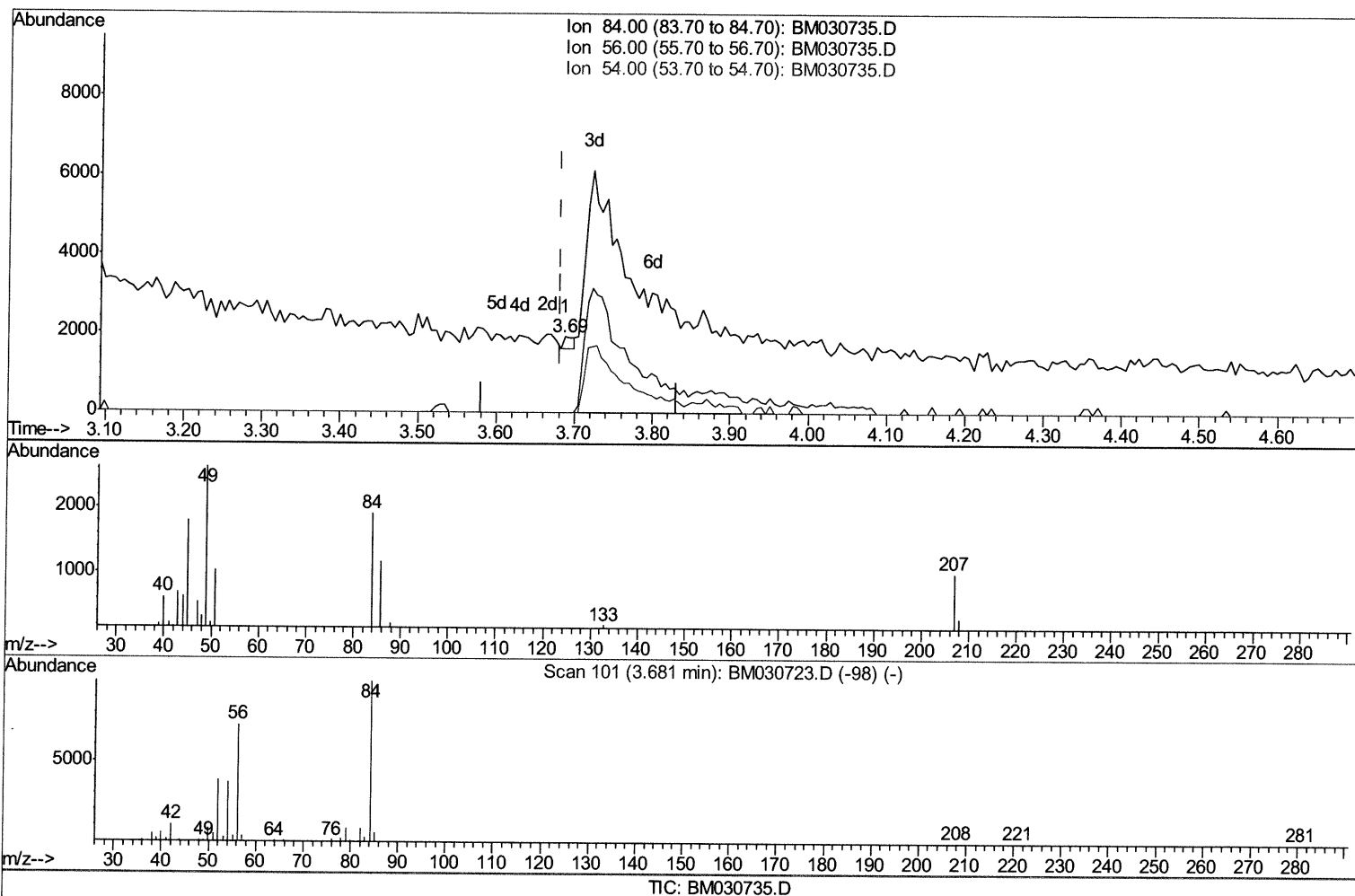
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Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.687min (+0.006) 0.05ng/ul

response 303

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 84.00 | 100   | 100   |
| 56.00 | 73.70 | 0.00# |
| 54.00 | 35.80 | 0.00# |
| 0.00  | 0.00  | 0.00  |

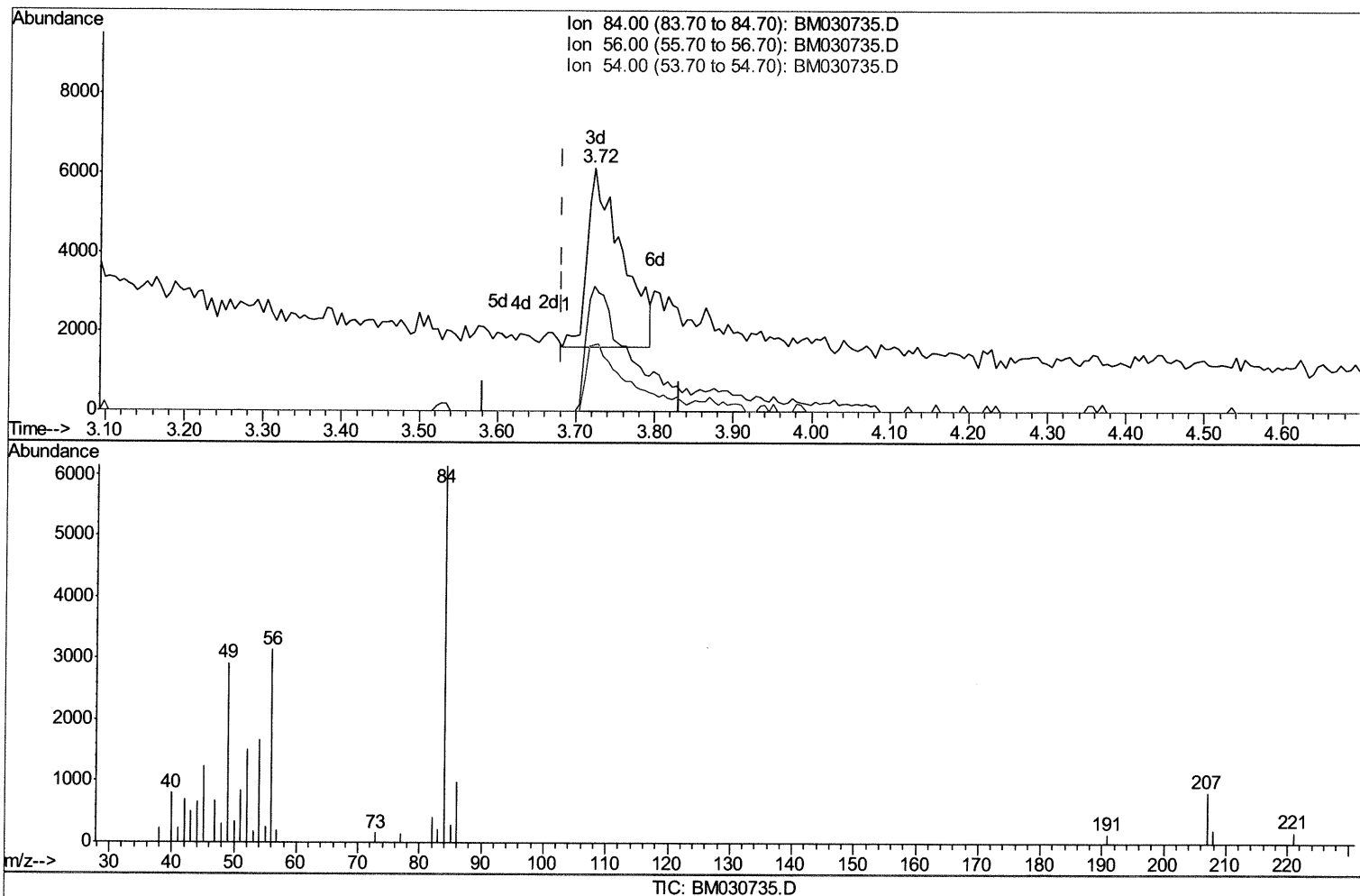
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(4) Pyridine-d5 (S)

3.723min (+0.041) 2.48ng/ul m 07/07/21 JU

response 13929

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 84.00 | 100   | 100    |
| 56.00 | 73.70 | 51.21# |
| 54.00 | 35.80 | 27.24# |
| 0.00  | 0.00  | 0.00   |

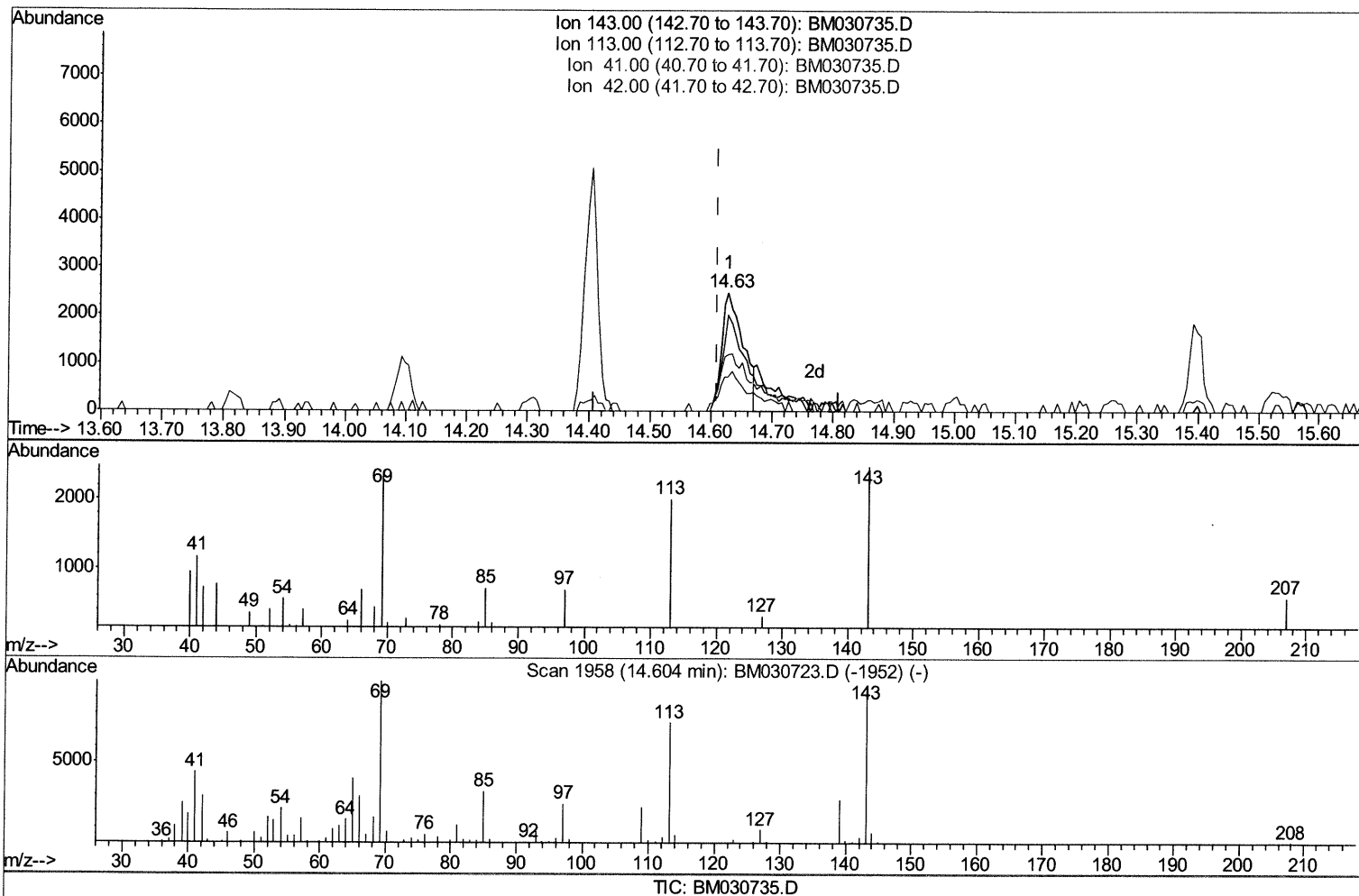
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
Data File : BM030735.D  
Acq On : 01 Jul 2021 10:06  
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Sample : M2808-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
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Response via : Initial Calibration



(54) 4-Nitrophenol-d4 (S)

14.628min (+0.018) 2.43ng/ul

response 6040

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 74.50 | 80.96 |
| 41.00  | 44.10 | 47.48 |
| 42.00  | 30.20 | 29.33 |

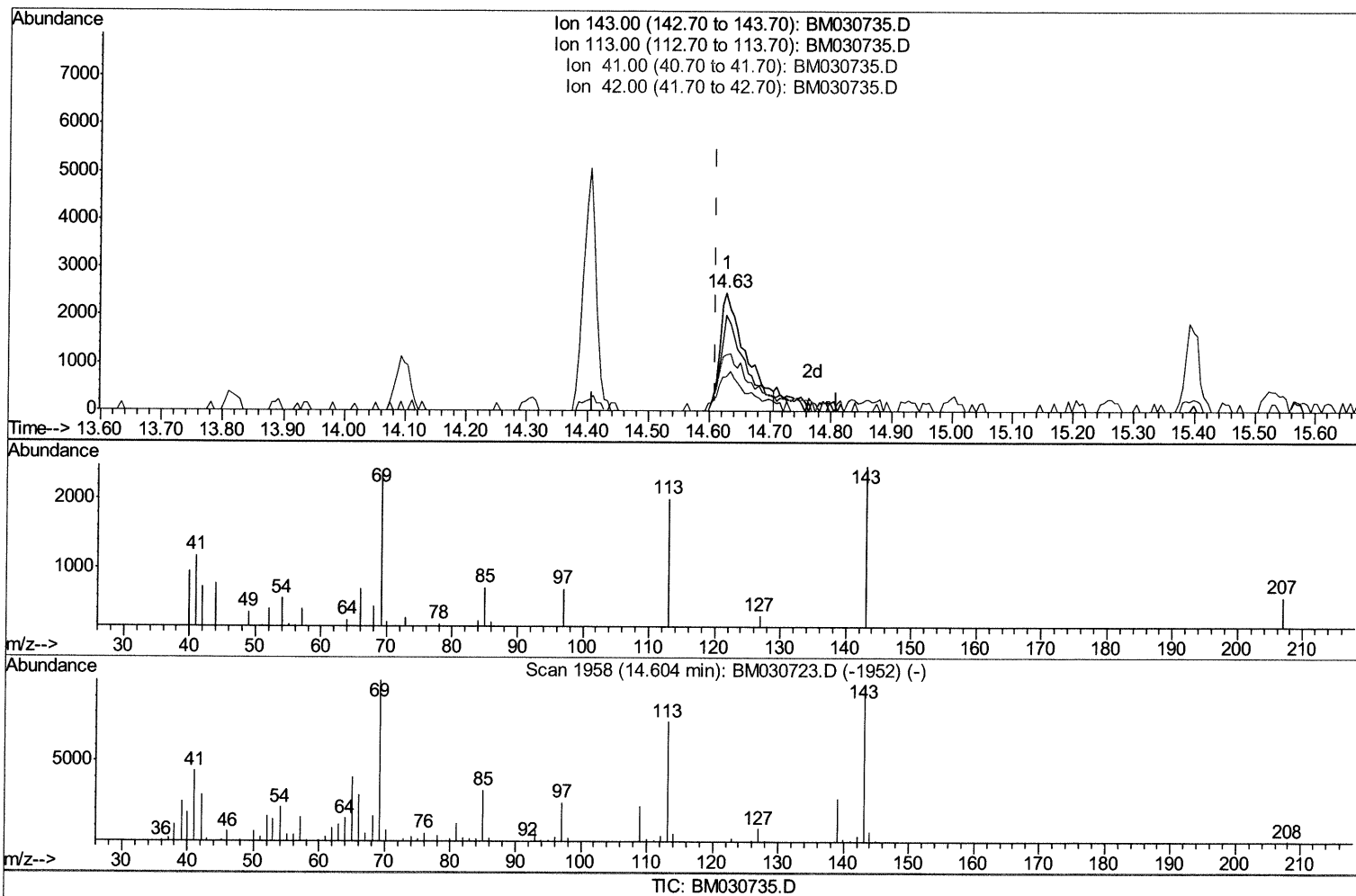
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
Data File : BM030735.D  
Acq On : 01 Jul 2021 10:06  
Operator : CG/JU  
Sample : M2808-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDT5

Manual Integrations  
APPROVED

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QLast Update : Thu Jul 01 05:56:56 2021  
Response via : Initial Calibration



(54) 4-Nitrophenol-d4 (S)

14.628min (+0.018) 2.94ng/ul m 07/07/21 JU

response 7300

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 143.00 | 100   | 100   |
| 113.00 | 74.50 | 80.96 |
| 41.00  | 44.10 | 47.48 |
| 42.00  | 30.20 | 29.33 |

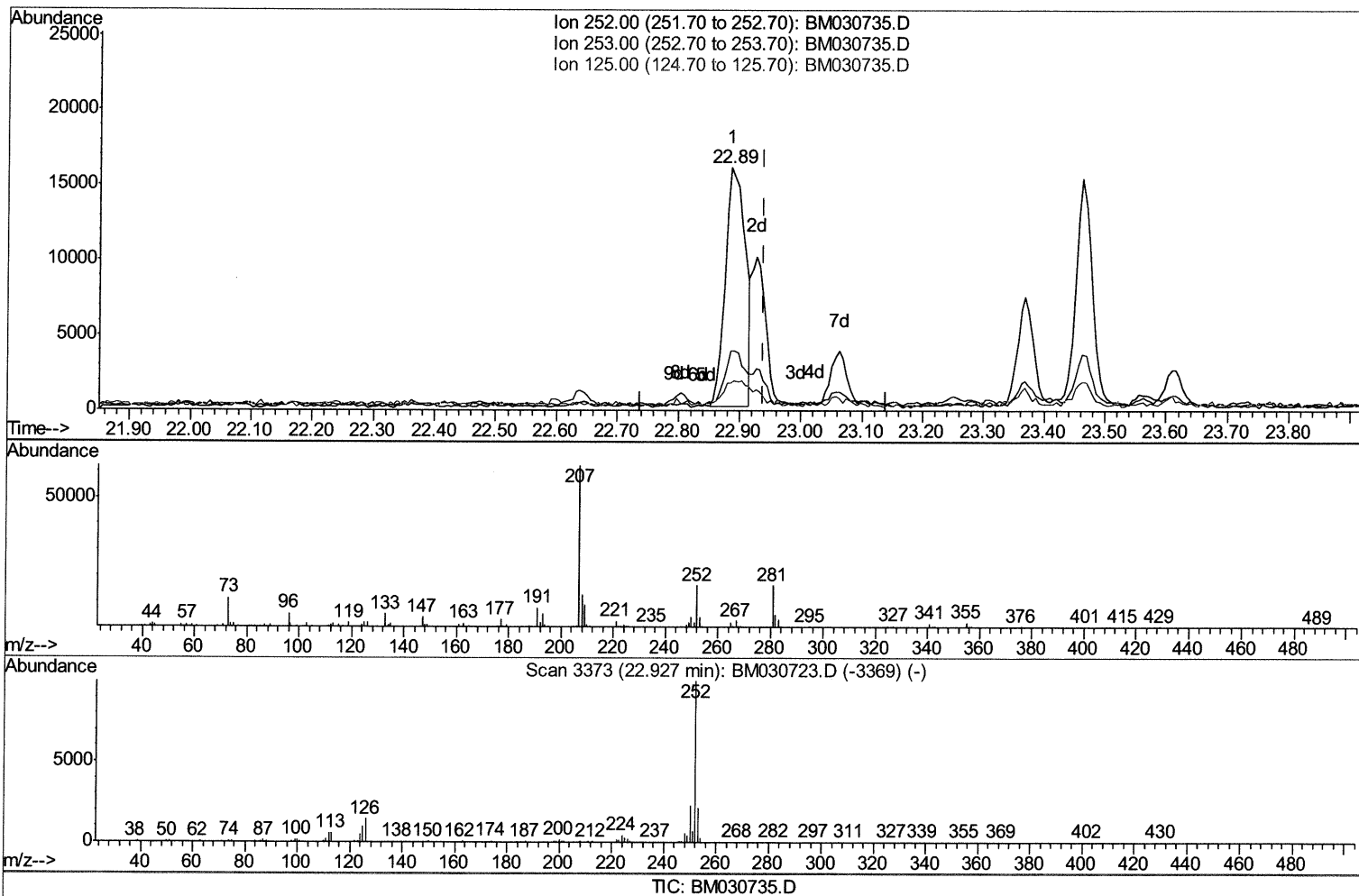
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
Data File : BM030735.D  
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Operator : CG/JU  
Sample : M2808-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.886min (-0.053) 1.44ng/ul

response 36347

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 24.74 |
| 125.00 | 9.90  | 11.55 |
| 0.00   | 0.00  | 0.00  |

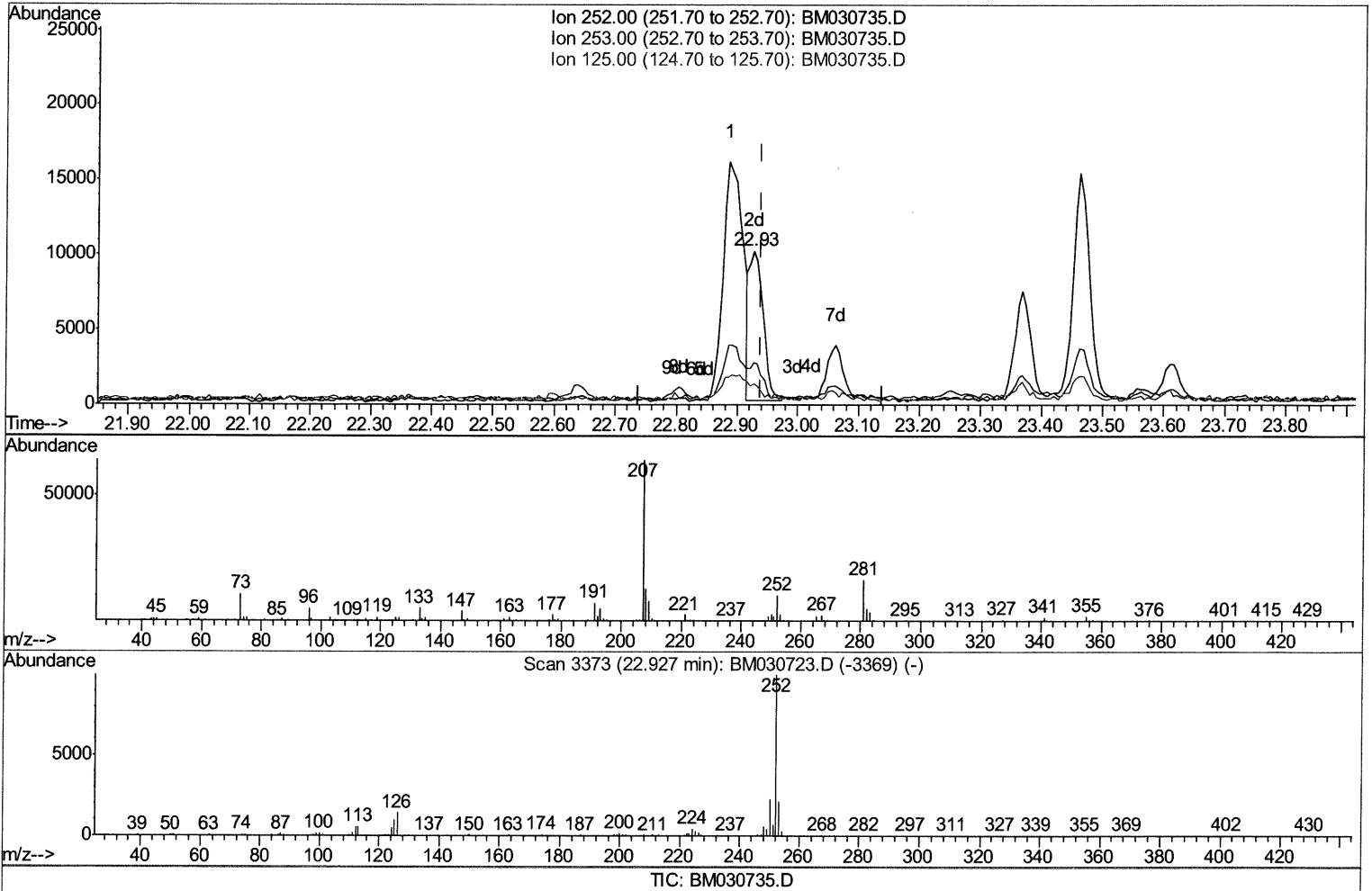
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
Data File : BM030735.D  
Acq On : 01 Jul 2021 10:06  
Operator : CG/JU  
Sample : M2808-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDT5

Manual Integrations  
APPROVED

mohammad  
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Quant Time: Jul 01 11:26:20 2021  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 01 05:56:56 2021  
Response via : Initial Calibration



(91) Benzo(k)fluoranthene

22.927min (-0.012) 0.61ng/ul m 07/07/21 JV

response 15430

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.80 | 27.01# |
| 125.00 | 9.90  | 13.54# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM063021\  
 Data File : BM030735.D  
 Acq On : 01 Jul 2021 10:06  
 Operator : CG/JU  
 Sample : M2808-14  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGD5

Manual Integrations  
 APPROVED

mohammad  
 7/1/2021 2:56:12 PM

Quant Time: Jul 01 11:32:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM062221.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 01 05:56:56 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 84818    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.56 | 136  | 328242   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.40 | 164  | 189869   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.15 | 188  | 352108   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.31 | 240  | 347108   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.56 | 264  | 412259   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |      |        |                  |
|--------------------------------|-------|-----|---------|------|--------|------------------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 3015    | 1.44 | ng/uL  | 0.00             |
| 4) Pyridine-d5                 | 3.72  | 84  | 13929m> | 2.48 | ng/ul> | 0.04 07/07/21 JU |
| 7) Phenol-d5                   | 6.95  | 99  | 47771   | 6.53 | ng/ul  | 0.00             |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.11  | 67  | 32498   | 7.07 | ng/ul  | 0.00             |
| 11) 2-Chlorophenol-d4          | 7.31  | 132 | 40530   | 7.18 | ng/ul  | 0.00             |
| 15) 4-Methylphenol-d8          | 8.48  | 113 | 36814   | 6.47 | ng/ul  | 0.00             |
| 21) Nitrobenzene-d5            | 8.93  | 128 | 17355   | 7.09 | ng/ul  | 0.00             |
| 24) 2-Nitrophenol-d4           | 9.65  | 143 | 17512   | 6.43 | ng/ul  | 0.00             |
| 28) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 33559   | 6.44 | ng/ul  | 0.00             |
| 31) 4-Chloroaniline-d4         | 10.70 | 131 | 45860   | 6.31 | ng/ul  | 0.00             |
| 46) Dimethylphthalate-d6       | 13.82 | 166 | 100628  | 7.68 | ng/ul  | 0.00             |
| 49) Acenaphthylene-d8          | 14.10 | 160 | 119429  | 7.02 | ng/ul  | 0.00             |
| 54) 4-Nitrophenol-d4           | 14.63 | 143 | 7300m>  | 2.94 | ng/ul> | 0.02 07/07/21 JU |
| 60) Fluorene-d10               | 15.40 | 176 | 88515   | 7.61 | ng/ul  | 0.00             |
| 65) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 6433    | 2.79 | ng/ul  | 0.00             |
| 73) Anthracene-d10             | 17.24 | 188 | 133718  | 8.14 | ng/ul  | 0.00             |
| 81) Pyrene-d10                 | 19.53 | 212 | 168036  | 9.24 | ng/ul  | 0.00             |
| 92) Benzo(a)pyrene-d12         | 23.42 | 264 | 207840  | 9.70 | ng/ul  | 0.00             |

## Target Compounds

|                          |       |     |       |       | Ovalue |    |
|--------------------------|-------|-----|-------|-------|--------|----|
| 80) Fluoranthene         | 19.20 | 202 | 49583 | 2.232 | ng/ul  | 96 |
| 82) Pyrene               | 19.56 | 202 | 41338 | 1.771 | ng/ul# | 94 |
| 85) Benzo(a)anthracene   | 21.30 | 228 | 36091 | 1.675 | ng/ul  | 94 |
| 87) Chrysene             | 21.35 | 228 | 29729 | 1.416 | ng/ul  | 97 |
| 90) Benzo(b)fluoranthene | 22.89 | 252 | 36347 | 1.389 | ng/ul# | 95 |
| 93) Benzo(a)pyrene       | 23.46 | 252 | 28816 | 1.224 | ng/ul  | 95 |

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