

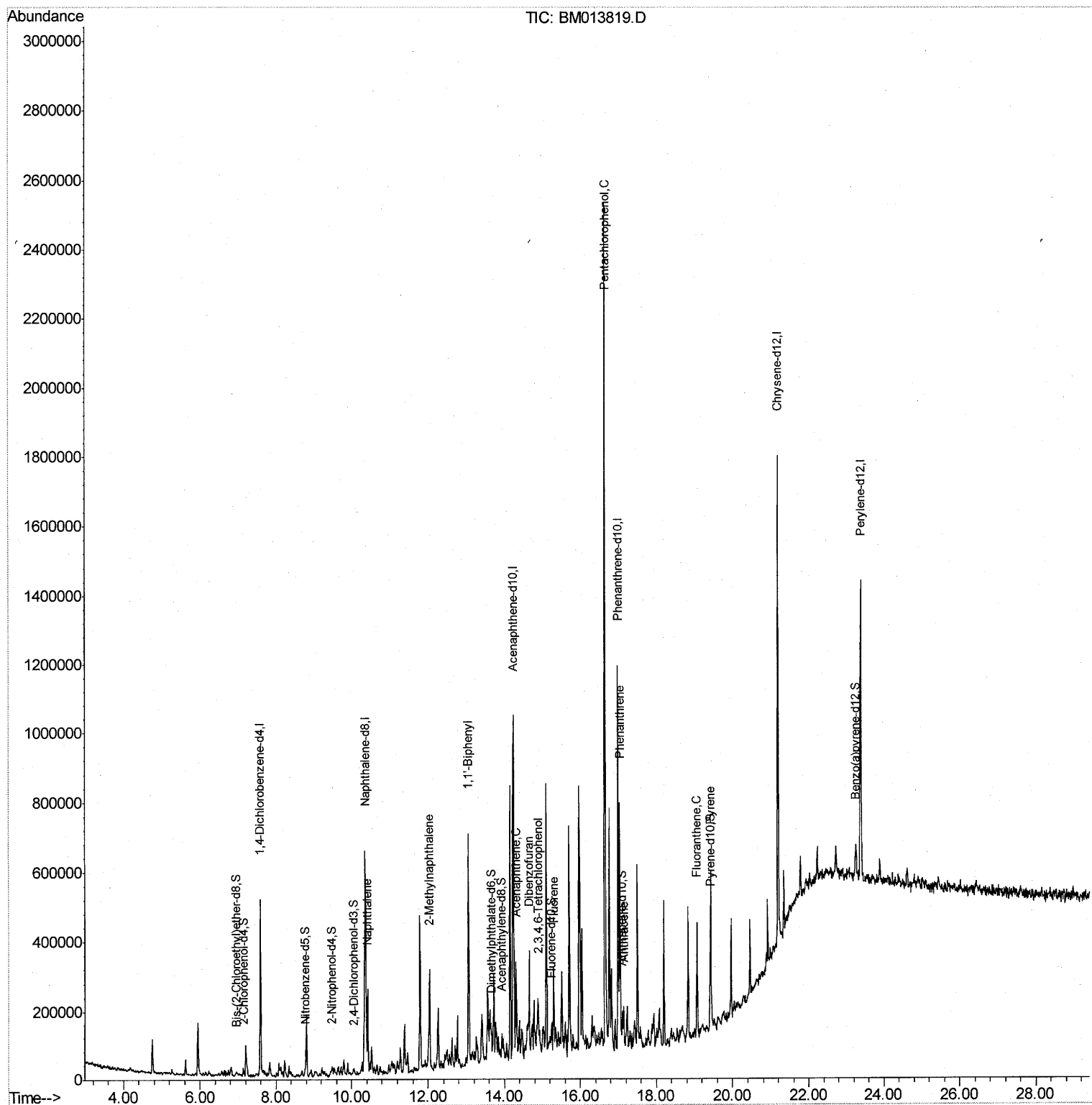
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
Data File : BM013819.D  
Acq On : 25 Jan 2018 23:11  
Operator : SJ/JU  
Sample : J1222-08DL 20X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6A81DL

Manual Integrations  
APPROVED

Sohil  
1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:15:22 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 26 02:50:24 2018  
Response via : Initial Calibration



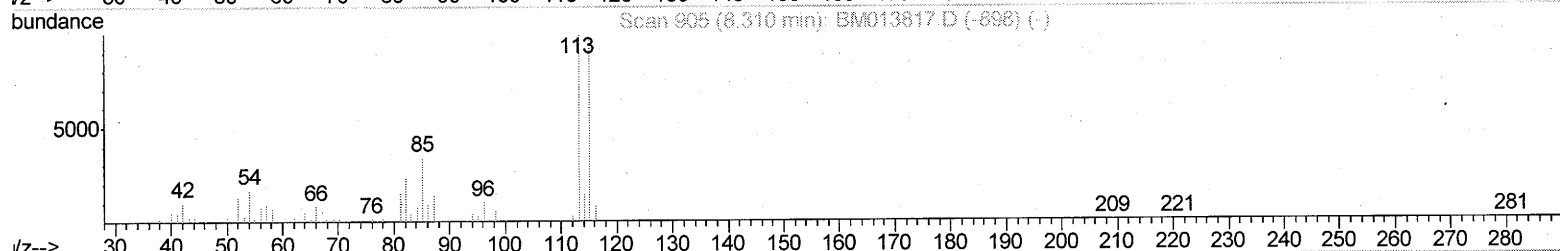
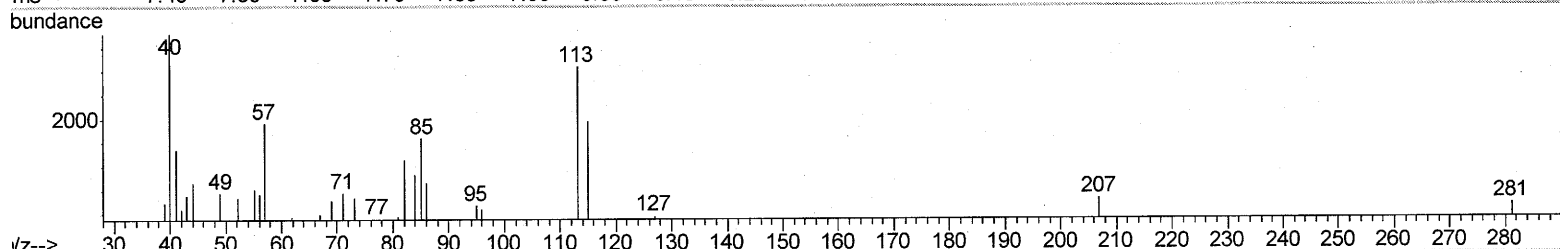
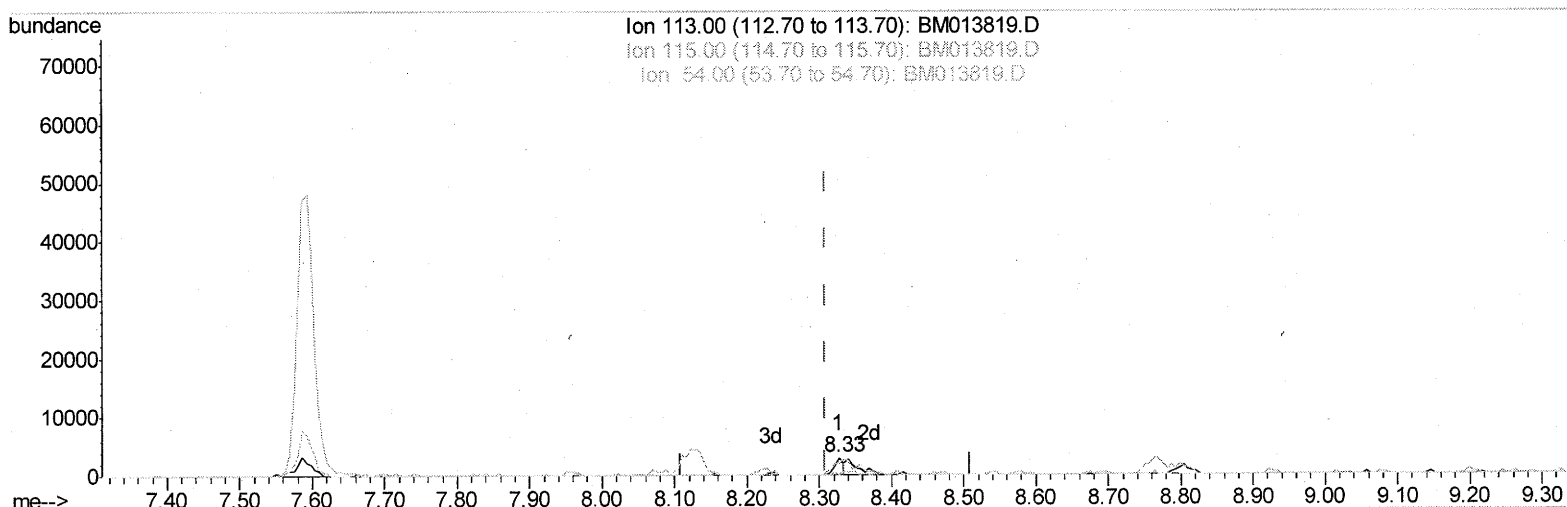
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Manual Integrations  
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Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 02:57:10 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



TIC: BM013819.D

(13) 4-Methylphenol-d8 (S)

8.328min (+0.018) 0.32ng/ul

response 2497

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 113.00 | 100   | 100    |
| 115.00 | 88.30 | 68.23# |
| 54.00  | 18.90 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

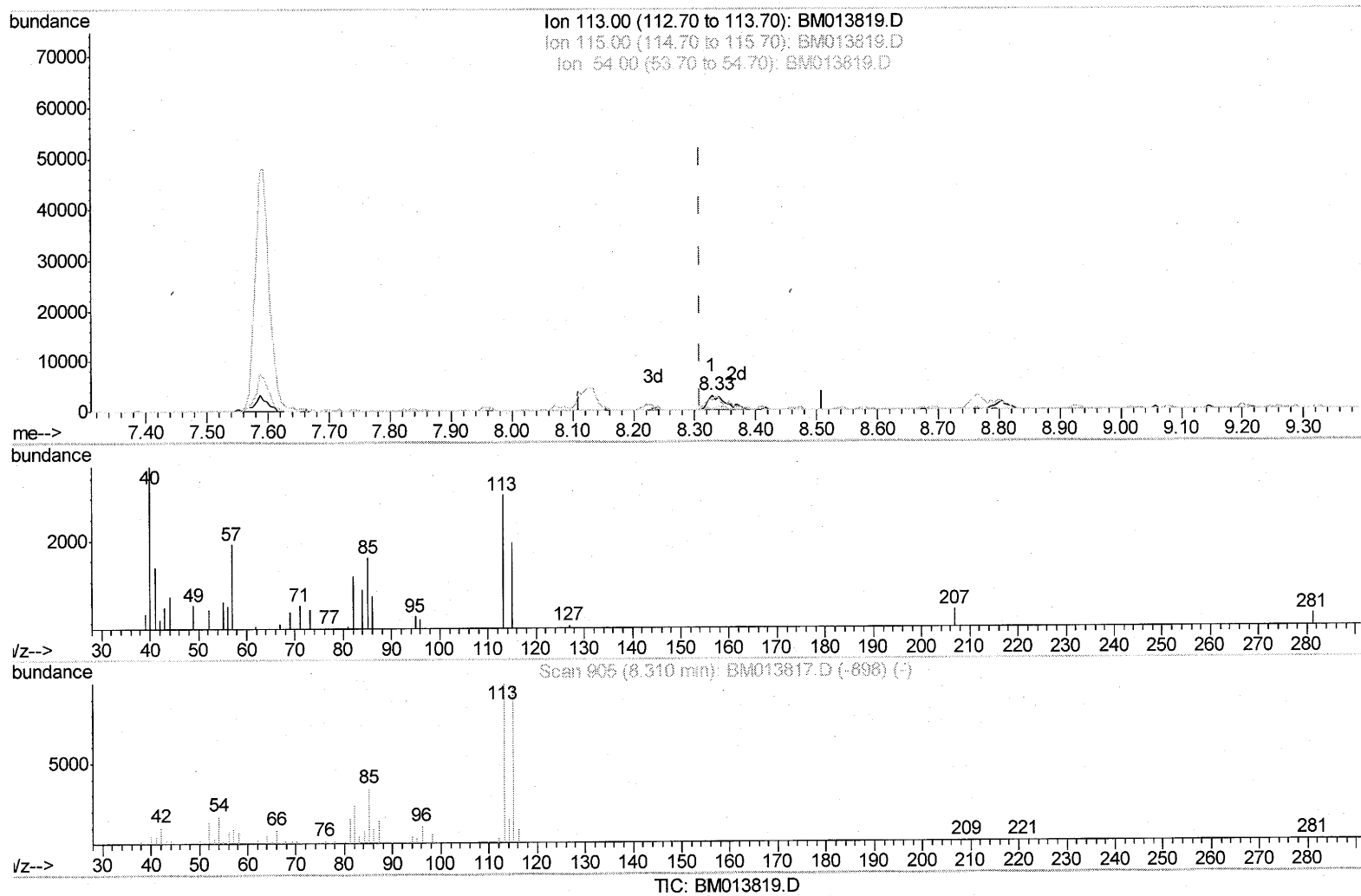
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
 Data File : BM013819.D  
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 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 02:57:10 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(13) 4-Methylphenol-d8 (S)

8.328min (+0.018) 0.75ng/ul m

response 5833

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 113.00 | 100   | 100    |
| 115.00 | 88.30 | 68.23# |
| 54.00  | 18.90 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

*SJ 01/27/18*

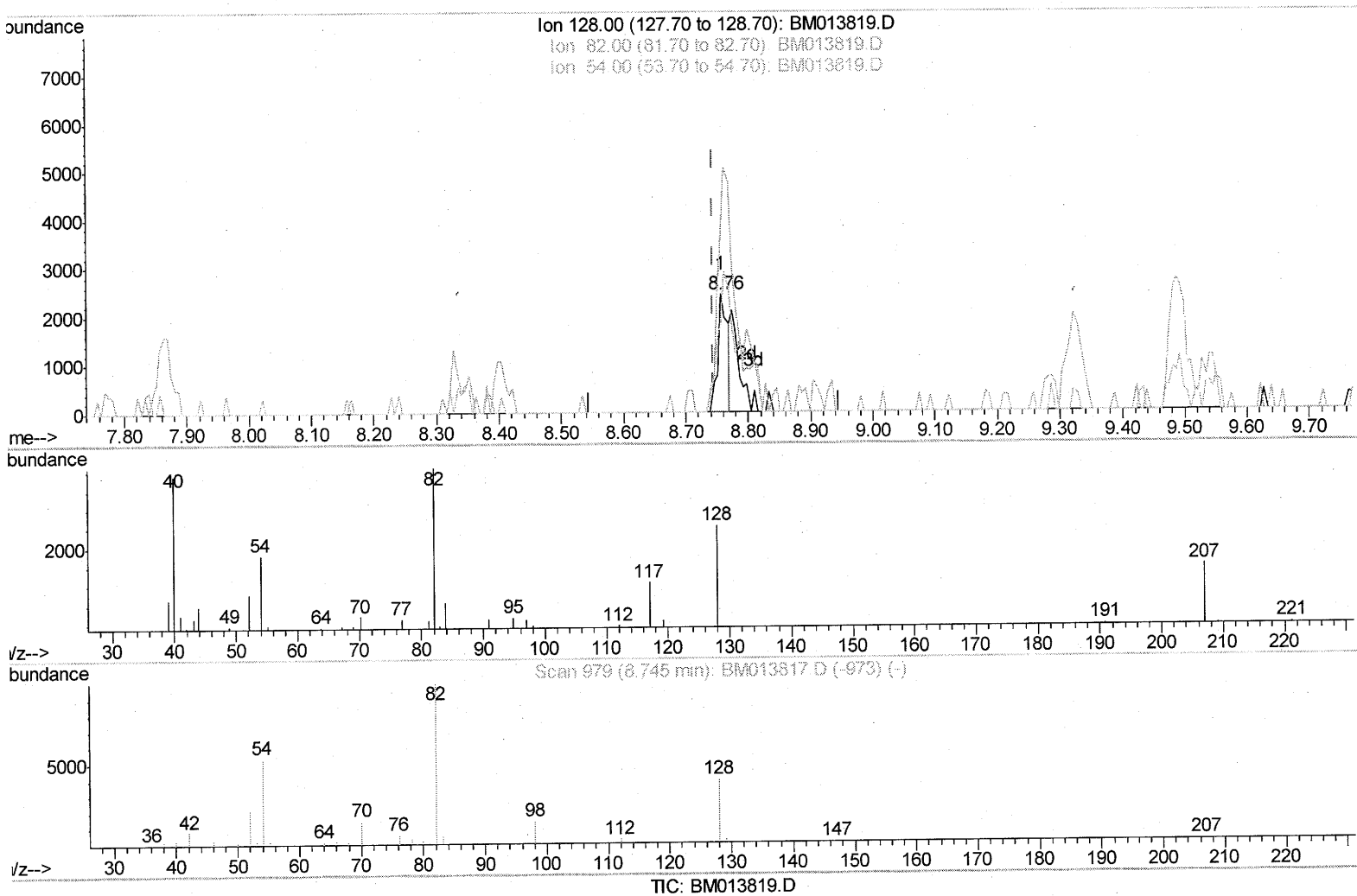
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Acq On : 25 Jan 2018 23:11  
Operator : SJ/JU  
Sample : J1222-08DL 20X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
F6A81DL

Manual Integrations  
APPROVED

Sohil  
1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:12:41 2018  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 26 02:50:24 2018  
Response via : Initial Calibration



(19) Nitrobenzene-d5 (S)

8.757min (+0.012) 0.71ng/ul

response 2669

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 128.00 | 100    | 100     |
| 82.00  | 297.40 | 151.09# |
| 54.00  | 142.70 | 75.34#  |
| 0.00   | 0.00   | 0.00    |

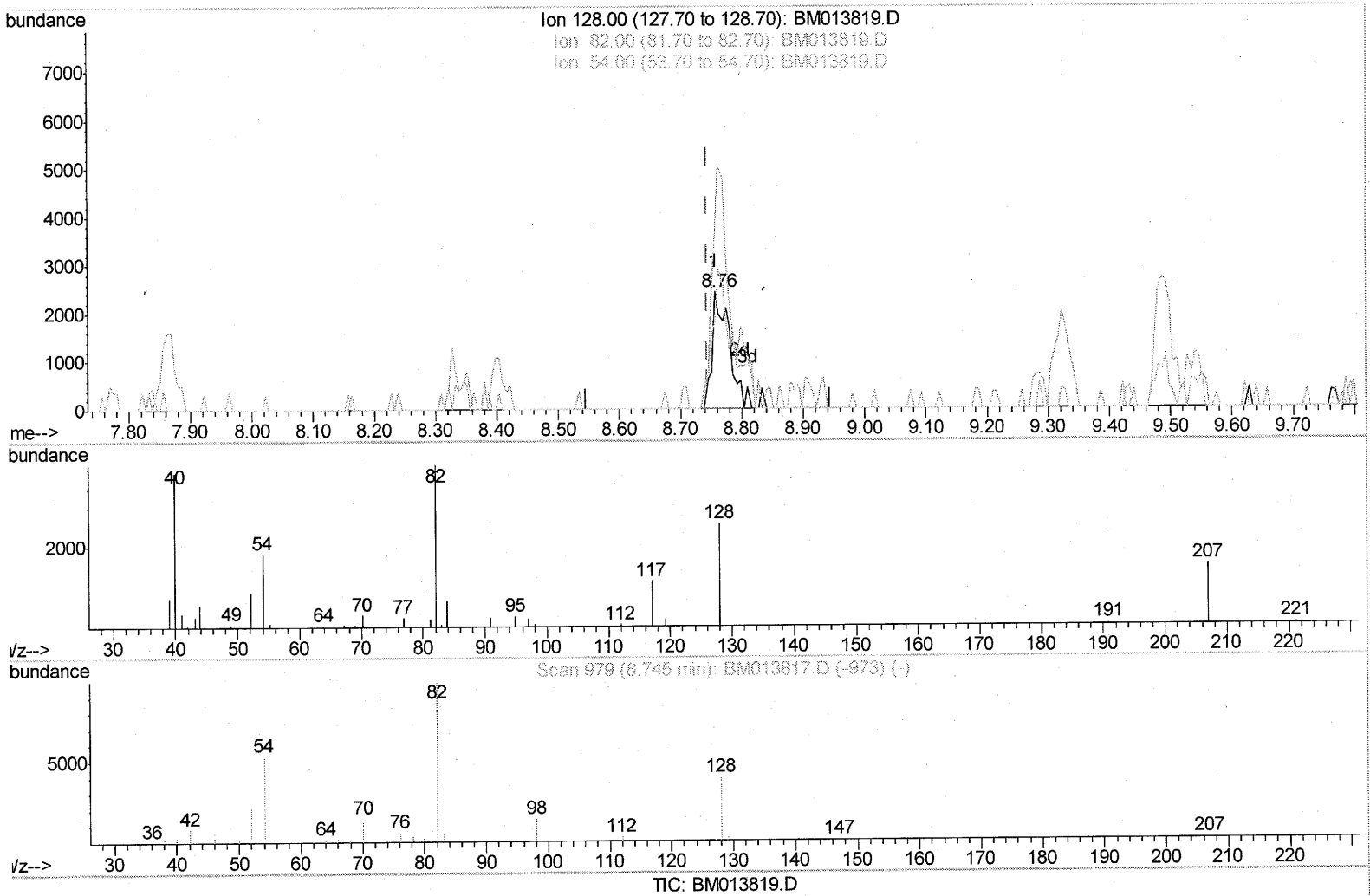
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 Data File : BM013819.D  
 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:12:41 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(19) Nitrobenzene-d5 (S)  
 8.757min (+0.012) 1.23ng/ul m  
 response 4613

*SJ 01/28/18*

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 128.00 | 100    | 100     |
| 82.00  | 297.40 | 151.09# |
| 54.00  | 142.70 | 75.34#  |
| 0.00   | 0.00   | 0.00    |

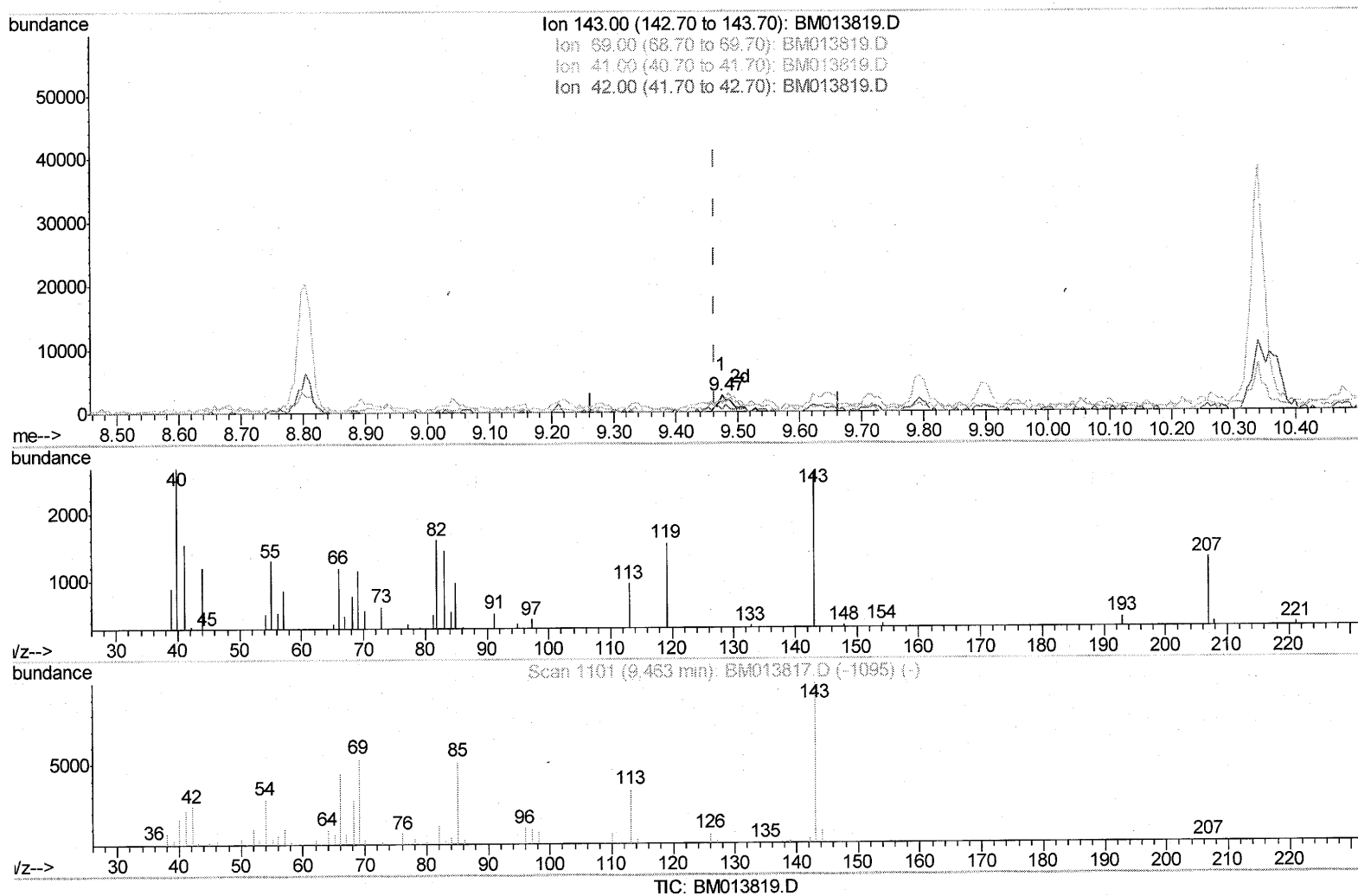
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 Data File : BM013819.D  
 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:13:18 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(22) 2-Nitrophenol-d4 (S)

9.475min (+0.012) 0.89ng/ul

response 3518

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 69.00  | 62.50 | 44.89# |
| 41.00  | 23.80 | 60.01# |
| 42.00  | 24.30 | 13.49# |

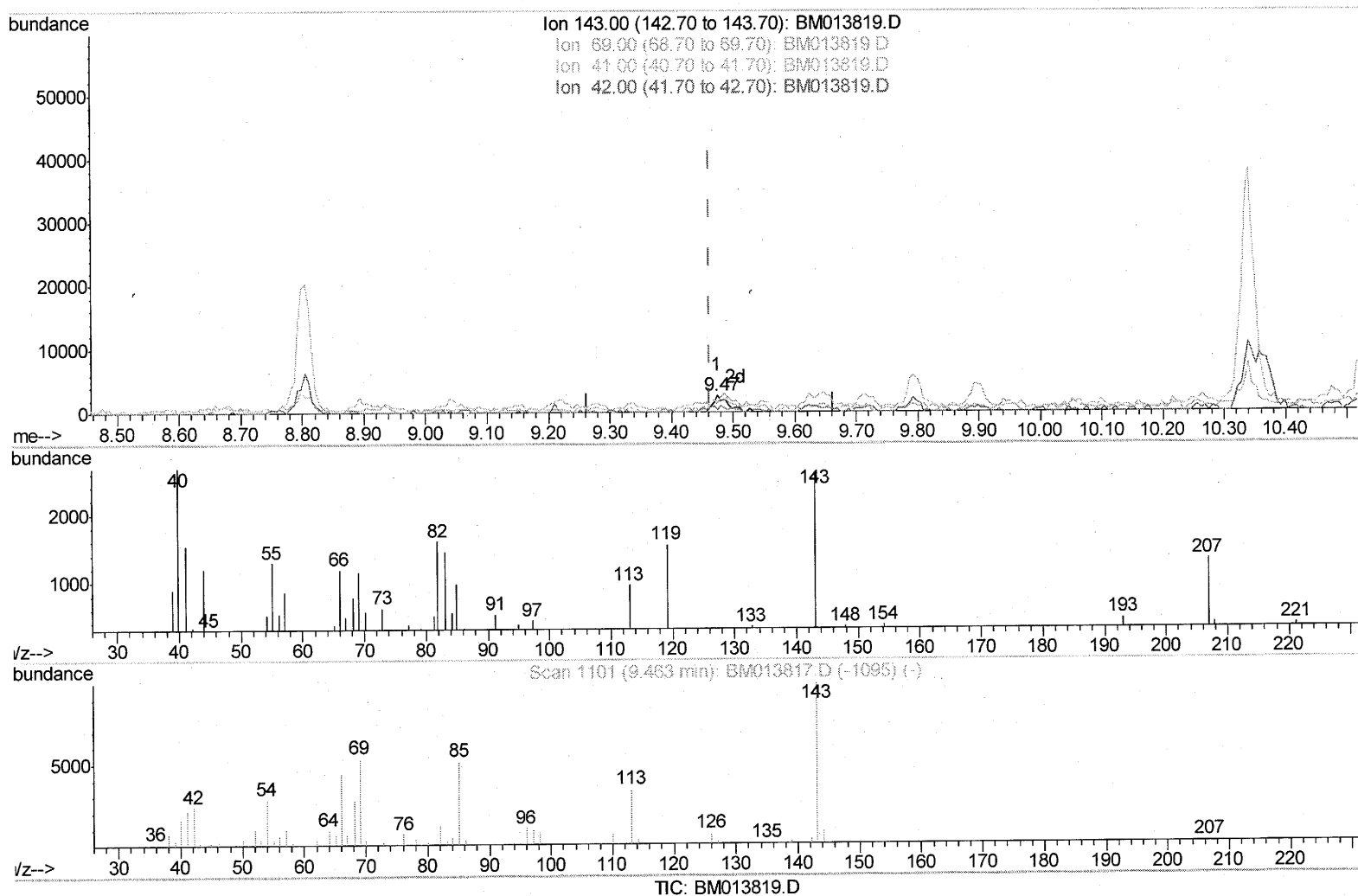
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 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:13:18 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(22) 2-Nitrophenol-d4 (S)

9.475min (+0.012) 1.02ng/ul m

response 4014

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 69.00  | 62.50 | 44.89# |
| 41.00  | 23.80 | 60.01# |
| 42.00  | 24.30 | 13.49# |

*juw/25/18*

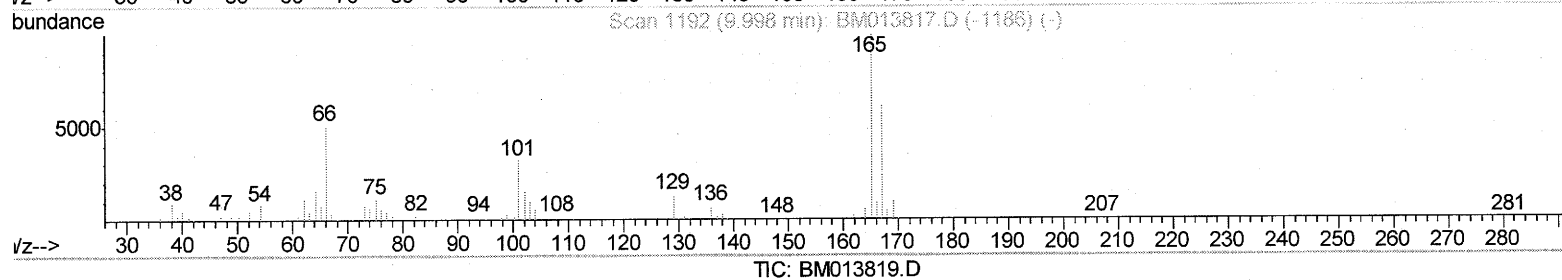
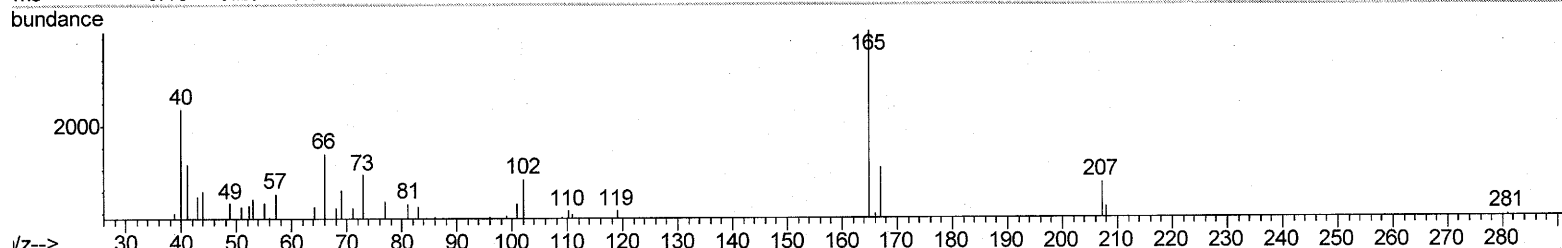
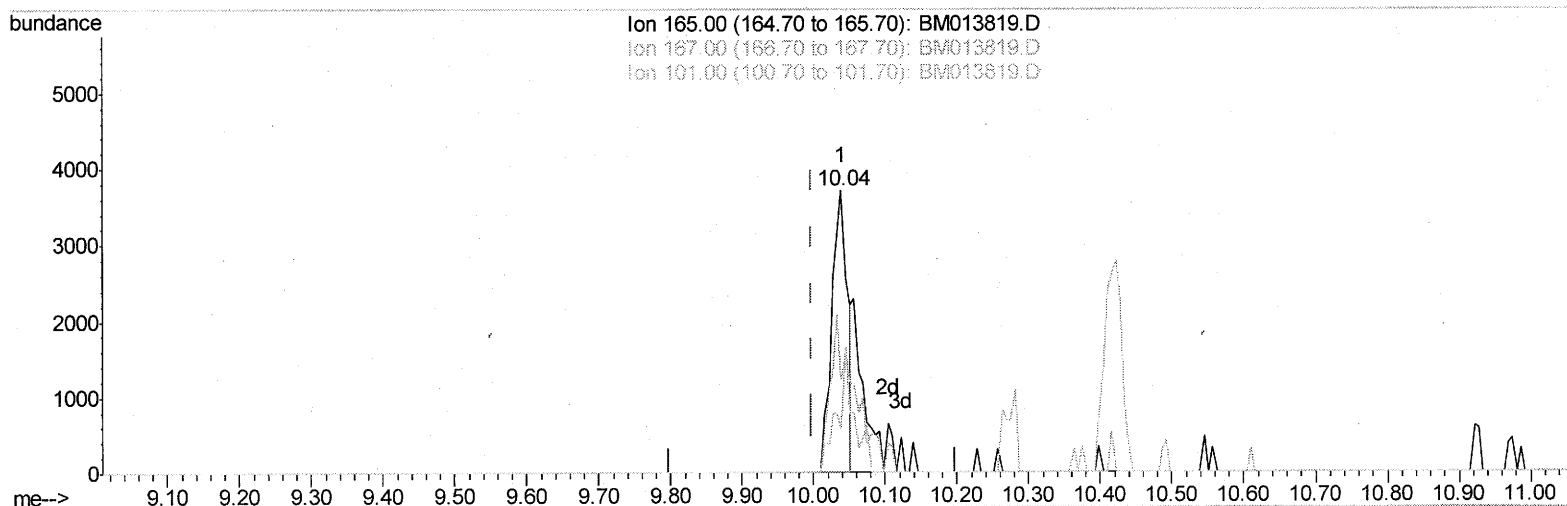
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 Data File : BM013819.D  
 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:13:52 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(26) 2,4-Dichlorophenol-d3 (S)

10.039min (+0.041) 0.74ng/ul

response 5685

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 165.00 | 100   | 100    |
| 167.00 | 63.60 | 32.71# |
| 101.00 | 29.30 | 15.27# |
| 0.00   | 0.00  | 0.00   |



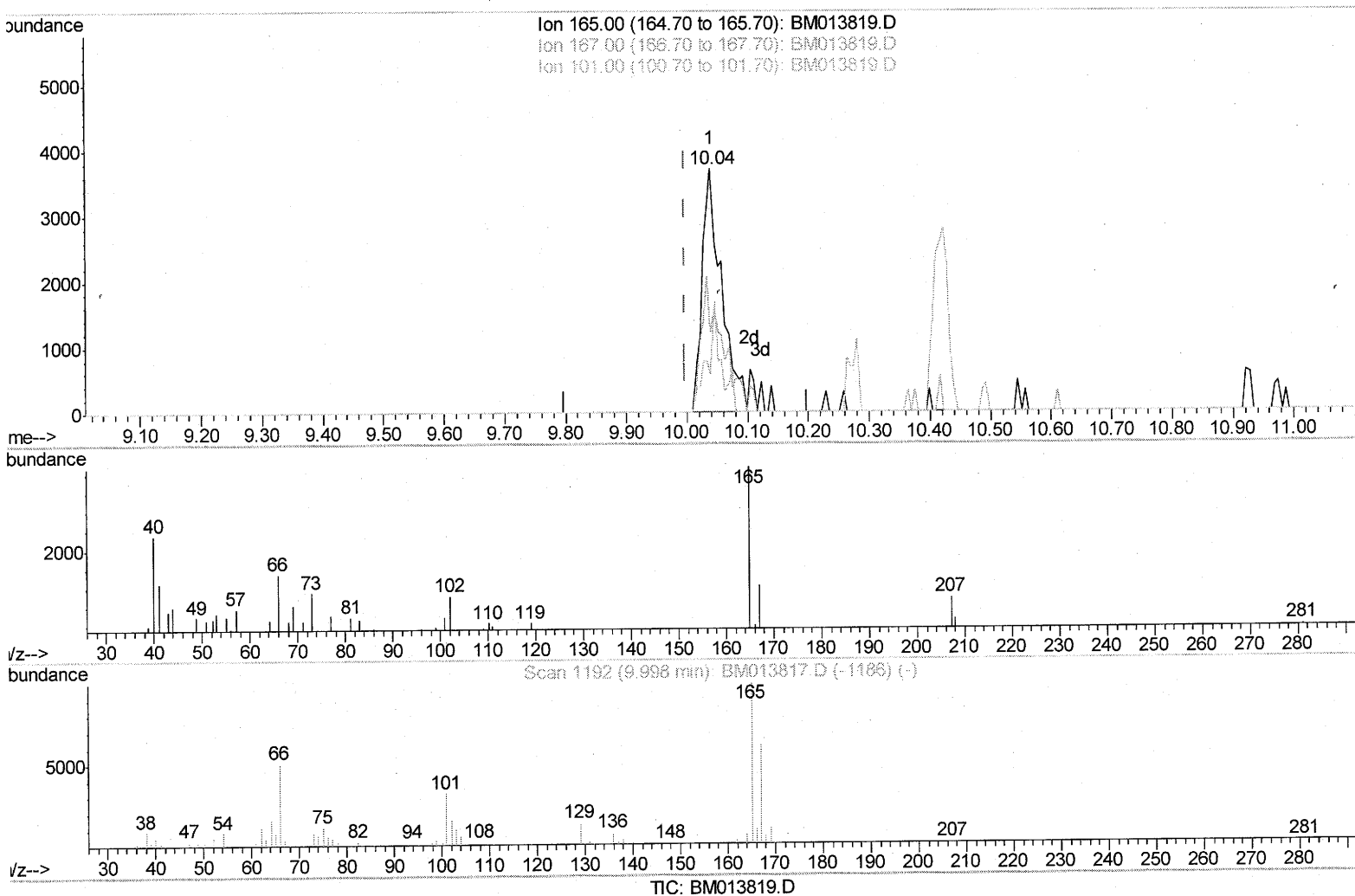
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 Data File : BM013819.D  
 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:13:52 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(26) 2,4-Dichlorophenol-d3 (S)

10.039min (+0.041) 1.07ng/ul m

response 8174

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 165.00 | 100   | 100    |
| 167.00 | 63.60 | 32.71# |
| 101.00 | 29.30 | 15.27# |
| 0.00   | 0.00  | 0.00   |

*SJ 01/27/18*

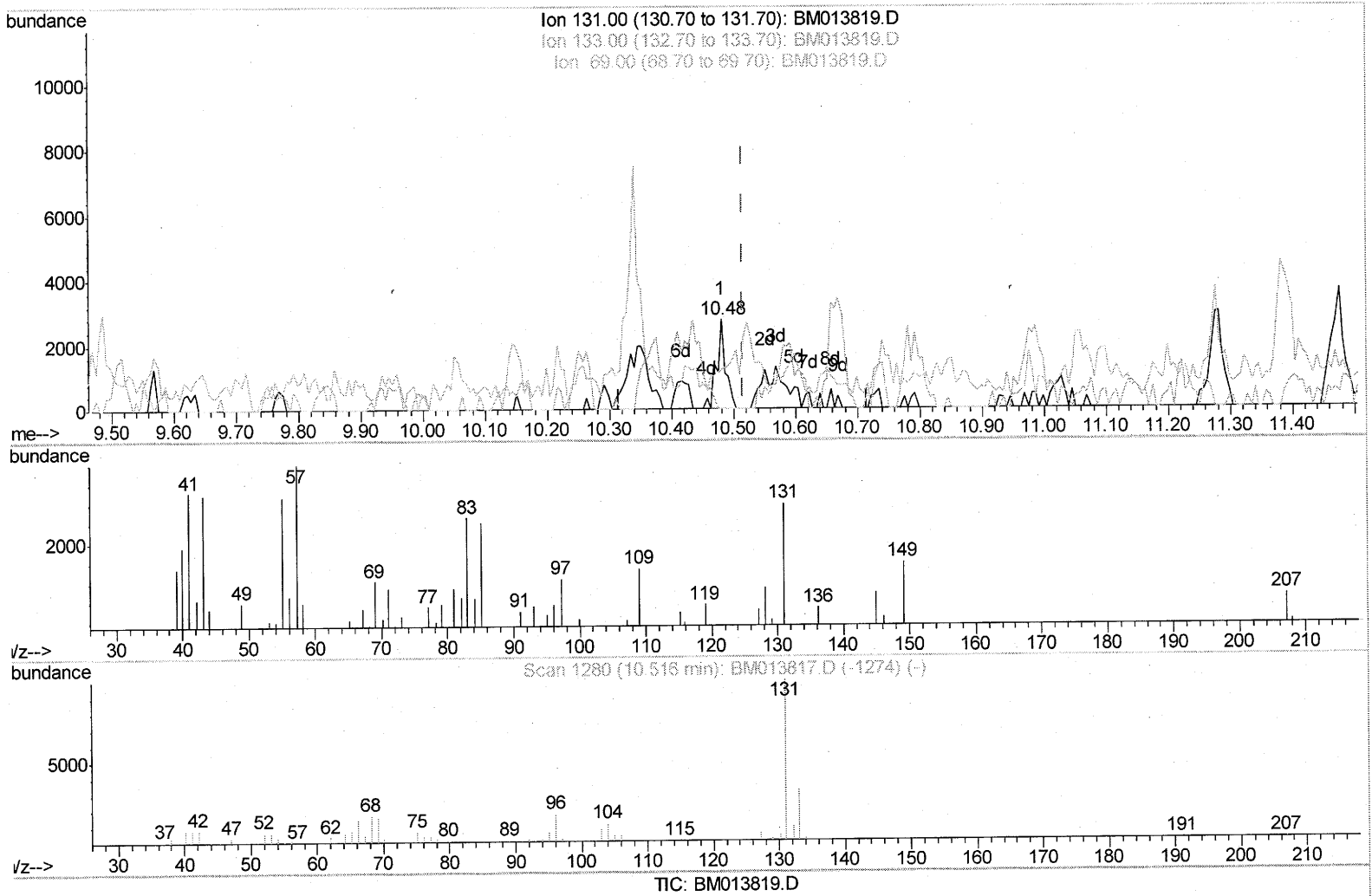
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 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:14:21 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)  
 10.480min (-0.035) 0.41ng/ul  
 response 2729

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 0.00#  |
| 69.00  | 24.30 | 44.39# |
| 0.00   | 0.00  | 0.00   |

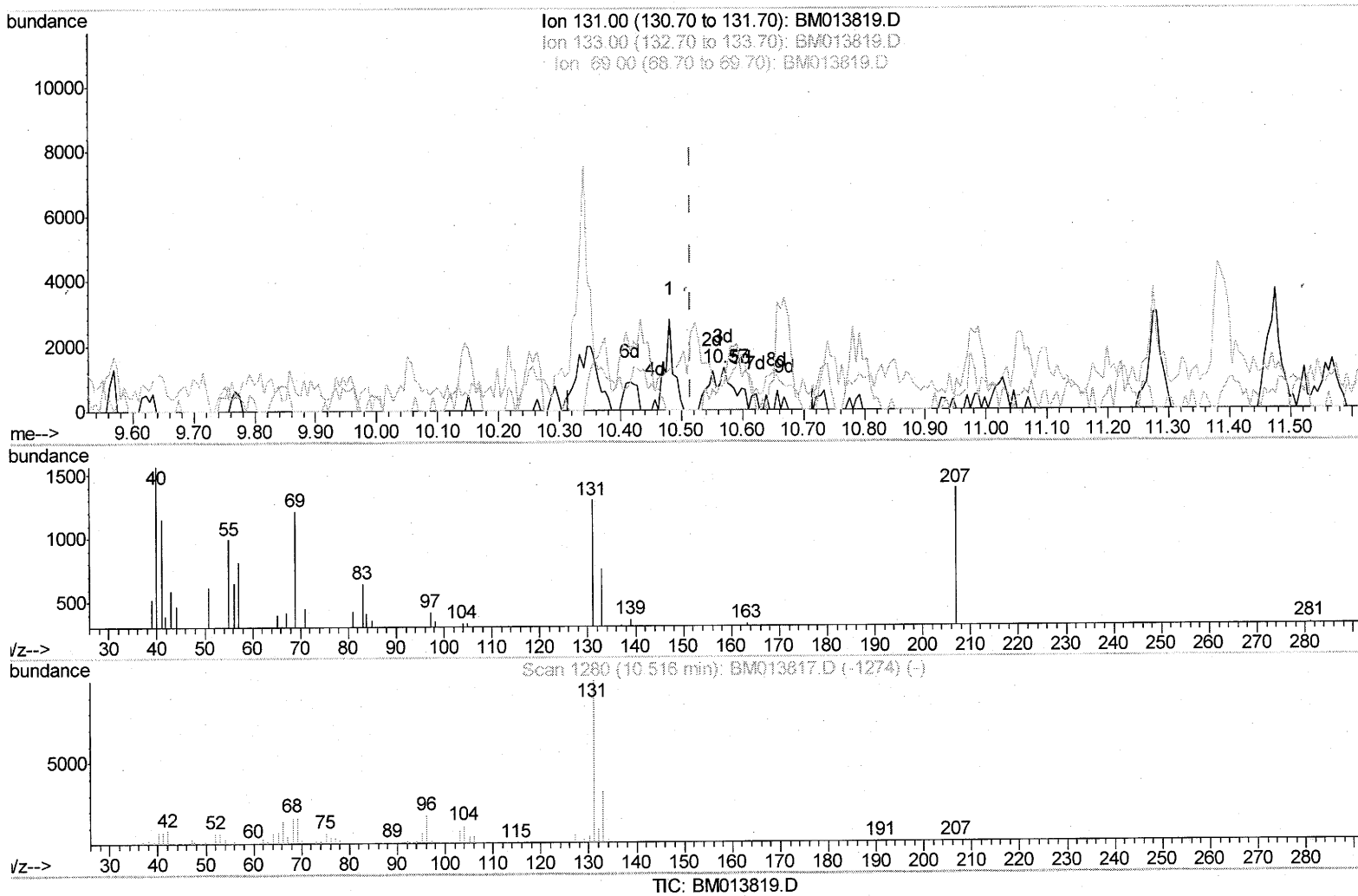
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 Data File : BM013819.D  
 Acq On : 25 Jan 2018 23:11  
 Operator : SJ/JU  
 Sample : J1222-08DL 20X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 F6A81DL

Manual Integrations  
 APPROVED

Sohil  
 1/26/2018 4:02:46 PM

Quant Time: Jan 26 03:14:21 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 02:50:24 2018  
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)

10.569min (+0.053) 0.51ng/ul m

response 3375

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 58.53# |
| 69.00  | 24.30 | 93.88# |
| 0.00   | 0.00  | 0.00   |

*Handwritten signature:* JU 01/29/18

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
Data File : BM013819.D  
Acq On : 25 Jan 2018 23:11  
Operator : SJ/JU  
Sample : J1222-08DL 20X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
F6A81DL

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Sohil  
1/26/2018 4:02:46 PM

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Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 132293   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 481823   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 267543   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.00 | 188  | 603781   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 663280   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.39 | 264  | 647429   | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 237   | 0.07 | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.80  | 99  | 7572  | 0.75 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 7307  | 1.19 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 9098  | 1.10 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 5833m | 0.75 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.76  | 128 | 4613m | 1.23 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 4014m | 1.02 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 8174m | 1.07 | ng/ul | 0.04 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 3375m | 0.51 | ng/ul | 0.05 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 29233 | 1.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 34742 | 1.24 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.48 | 143 | 262   | 0.07 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 27458 | 1.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 1665  | 0.46 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.10 | 188 | 39948 | 1.36 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.40 | 212 | 47357 | 1.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.26 | 264 | 42534 | 1.43 | ng/ul | 0.00 |

Jan 26/18

| Target Compounds              |       |     |        | Ovalue |           |
|-------------------------------|-------|-----|--------|--------|-----------|
| 28) Naphthalene               | 10.42 | 128 | 178474 | 7.446  | ng/ul 100 |
| 34) 2-Methylnaphthalene       | 12.04 | 142 | 134071 | 7.502  | ng/ul 97  |
| 40) 1,1'-Biphenyl             | 13.07 | 154 | 33501  | 1.504  | ng/ul# 93 |
| 49) Acenaphthene              | 14.30 | 153 | 96964  | 5.442  | ng/ul 94  |
| 53) Dibenzofuran              | 14.65 | 168 | 98147  | 3.661  | ng/ul 95  |
| 55) 2,3,4,6-Tetrachlorophenol | 14.89 | 232 | 29654  | 5.280  | ng/ul# 89 |
| 58) Fluorene                  | 15.30 | 166 | 86162  | 3.924  | ng/ul# 97 |
| 68) Pentachlorophenol         | 16.65 | 266 | 393544 | 96.479 | ng/ul 97  |
| 69) Phenanthrene              | 17.04 | 178 | 405461 | 12.081 | ng/ul 98  |
| 71) Anthracene                | 17.13 | 178 | 60012  | 1.734  | ng/ul 96  |
| 74) Fluoranthene              | 19.06 | 202 | 196110 | 4.895  | ng/ul# 97 |
| 77) Pyrene                    | 19.43 | 202 | 137554 | 3.411  | ng/ul# 91 |

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