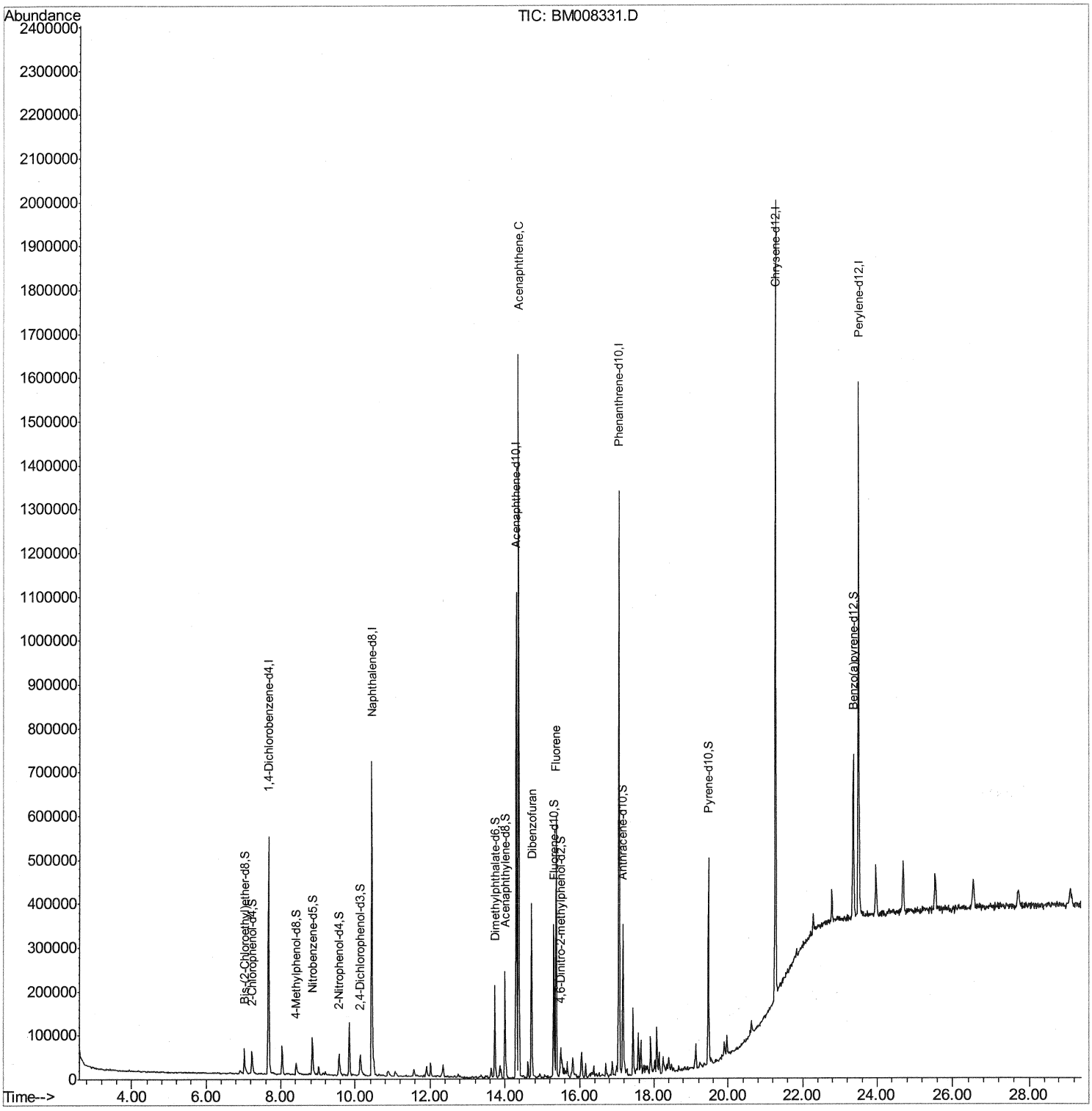
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Dec 15 05:59:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA8P2DL

**Manual Integrations APPROVED**
sohil
12/15/2016 5:37:31 PM

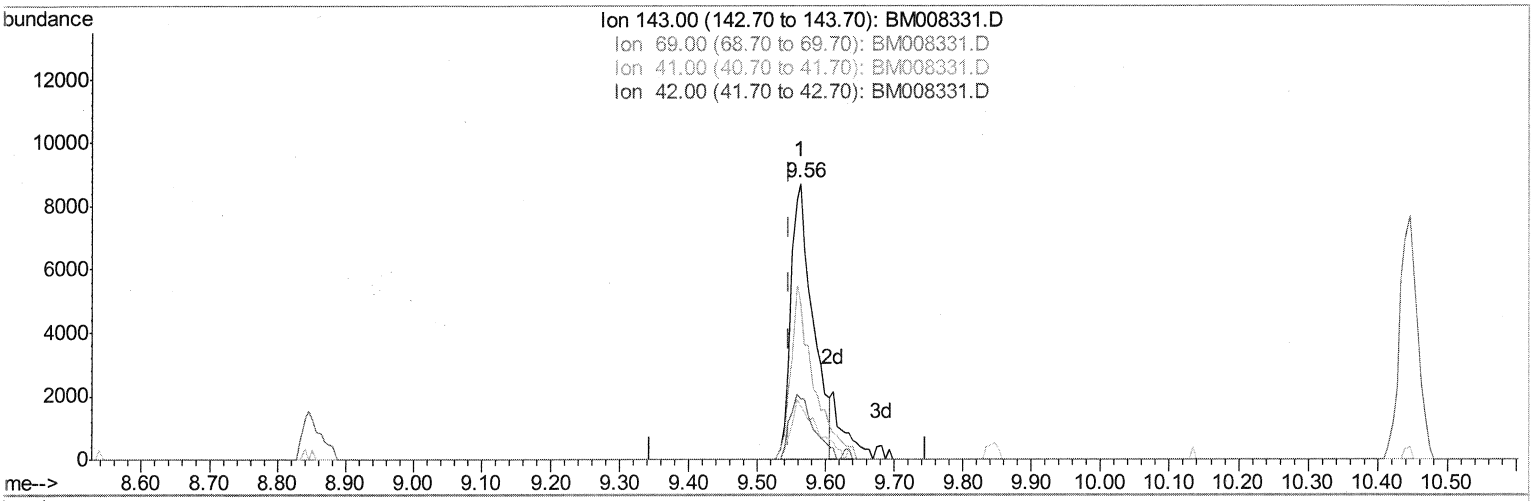


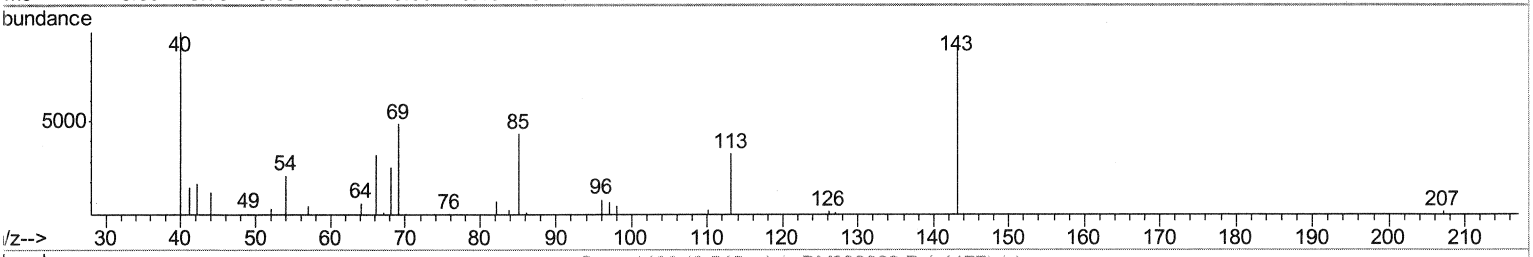
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

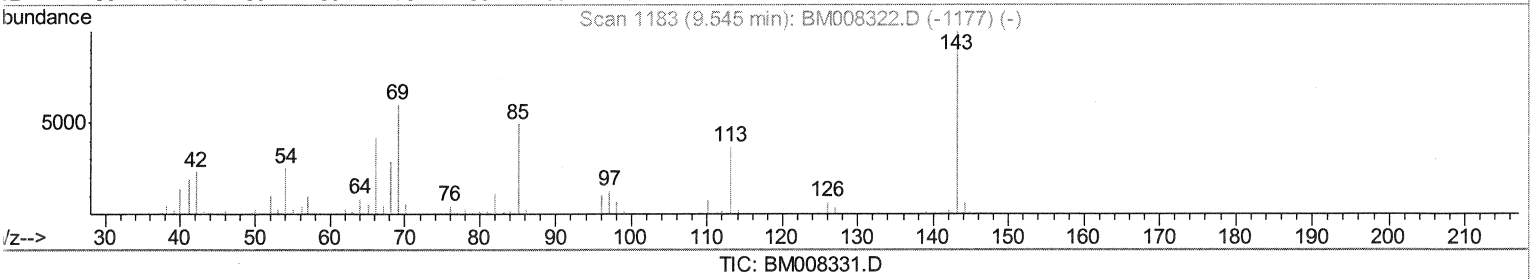
Quant Time: Dec 15 05:51:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA8P2DL

**Manual Integrations APPROVED**
sohil
12/15/2016 5:37:31 PM




TIC: BM008331.D

(22) 2-Nitrophenol-d4 (S)

9.563min (+0.018) 3.99ng/ul

response 19319

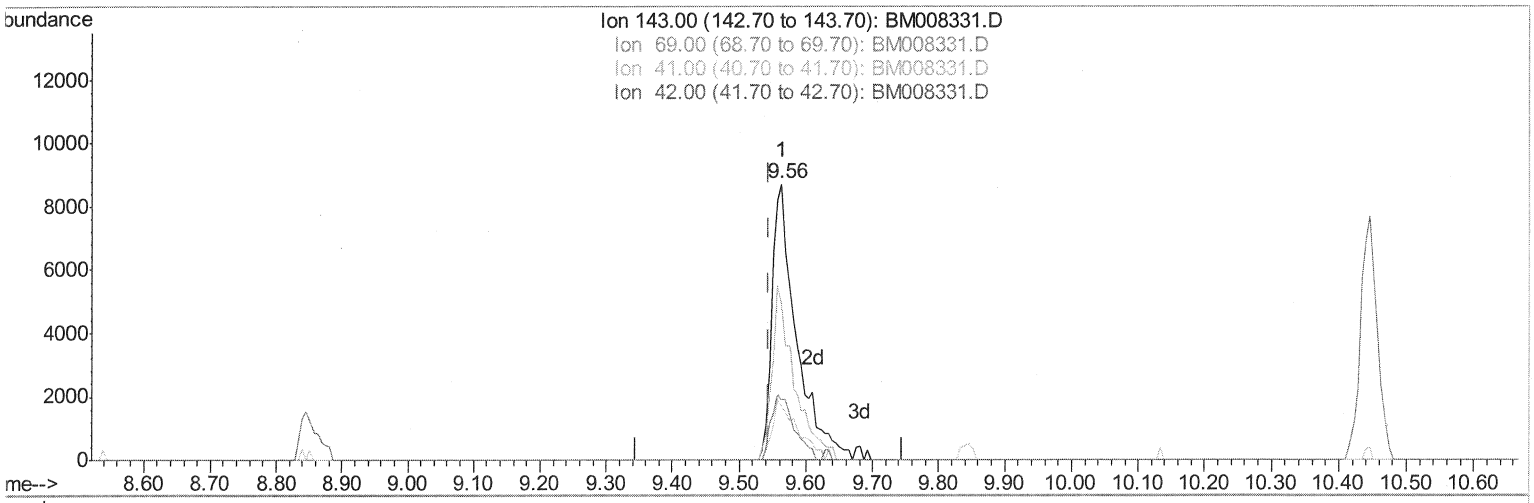
| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 69.00 | 58.20 | 56.26 |
| 41.00 | 21.10 | 19.50 |
| 42.00 | 24.40 | 21.97 |

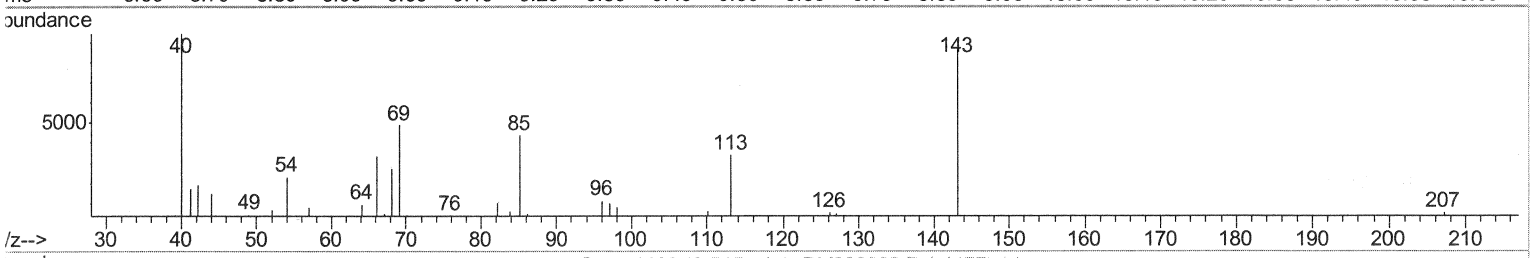
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

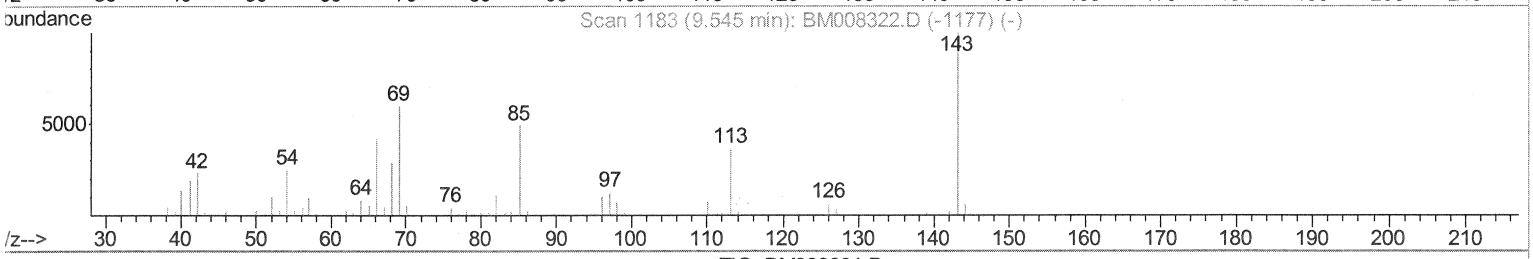
Quant Time: Dec 15 05:51:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA8P2DL

**Manual Integrations APPROVED**
sohil
12/15/2016 5:37:31 PM




TIC: BM008331.D

(22) 2-Nitrophenol-d4 (S)

9.563min (+0.018) 4.57ng/ul m SJ 12/15/16

response 22141

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 69.00 | 58.20 | 56.26 |
| 41.00 | 21.10 | 19.50 |
| 42.00 | 24.40 | 21.97 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Dec 15 05:51:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA8P2DL

**Manual Integrations APPROVED**
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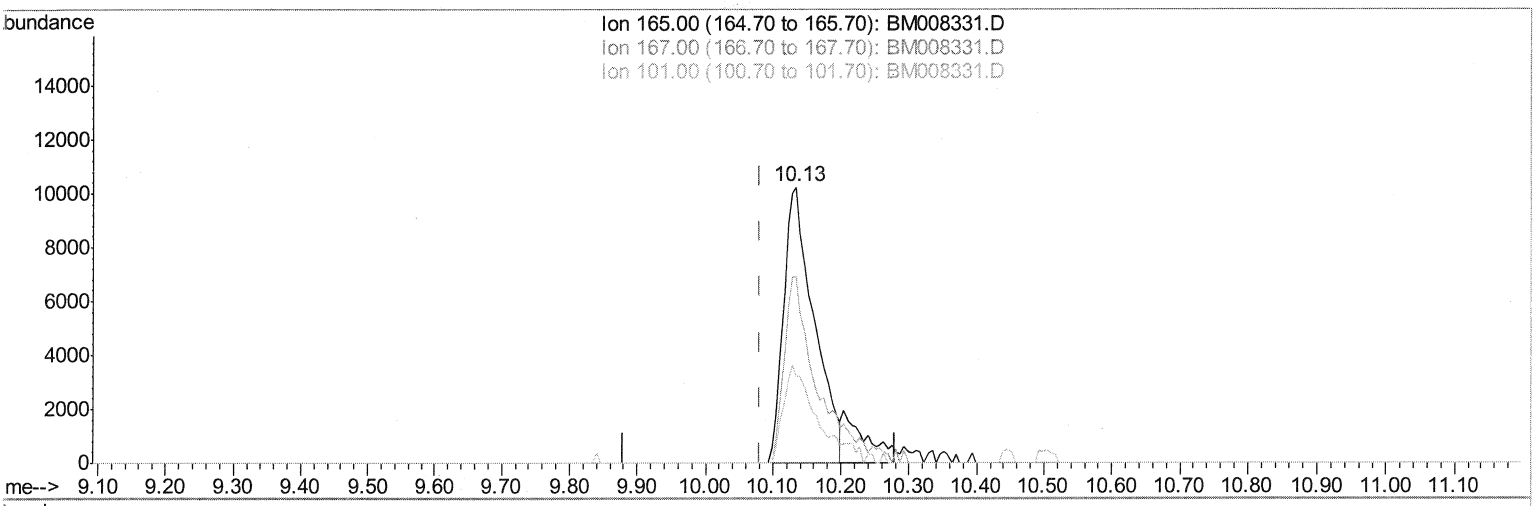
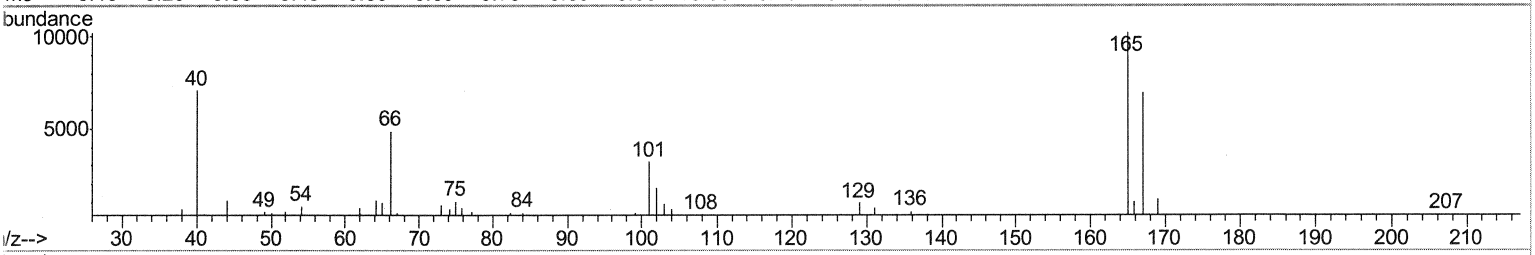
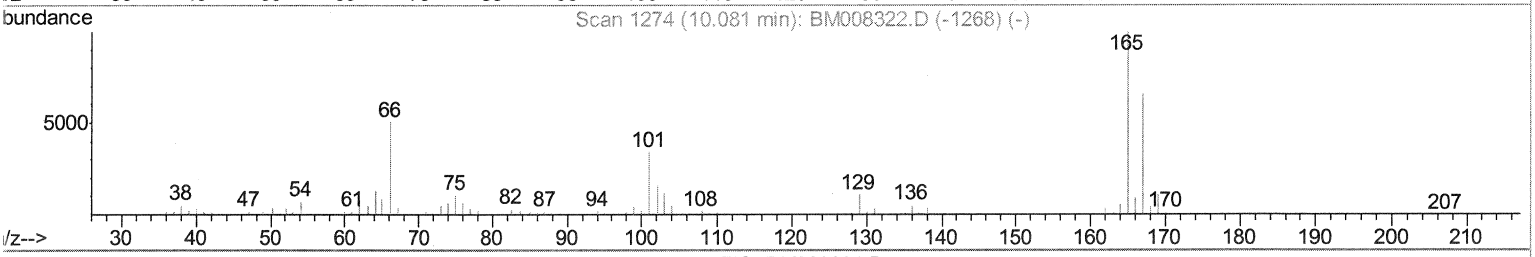



TIC: BM008331.D

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

10.134min (+0.053) 3.60ng/ul

response 31928

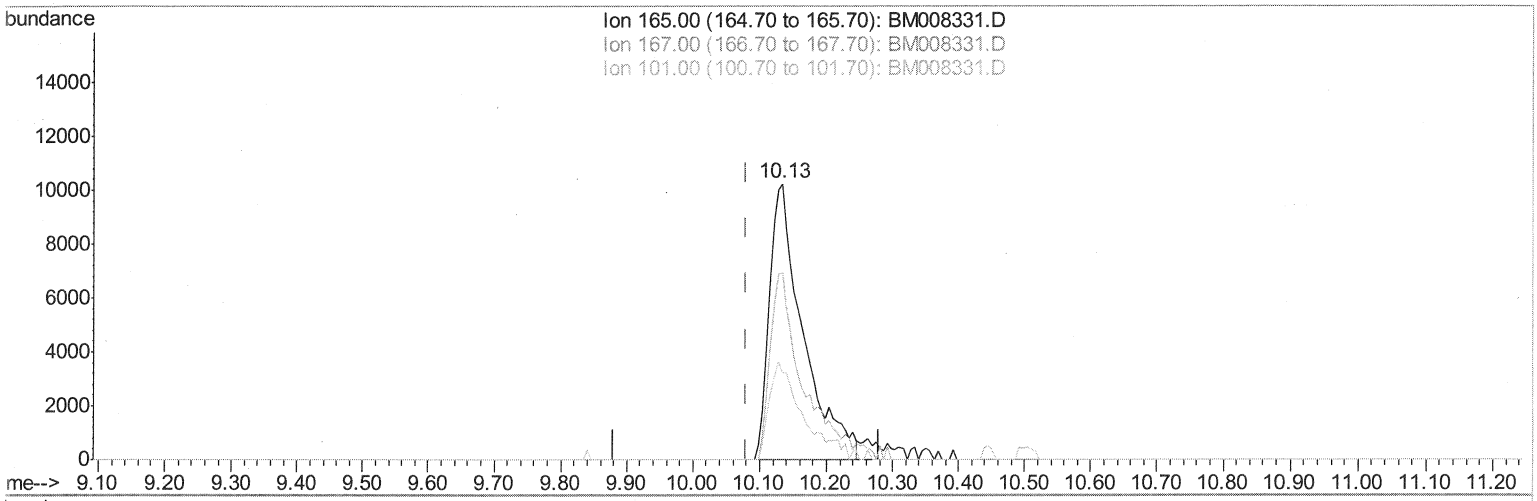
| Ion | Exp% | Act% |
|---|---|---|
| 165.00 | 100 | 100 |
| 167.00 | 64.50 | 67.93 |
| 101.00 | 35.20 | 31.26 |
| 0.00 | 0.00 | 0.00 |

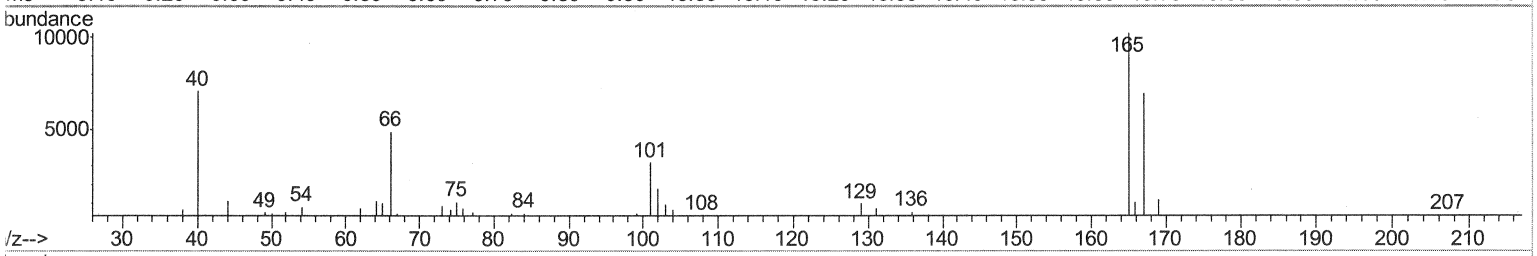
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

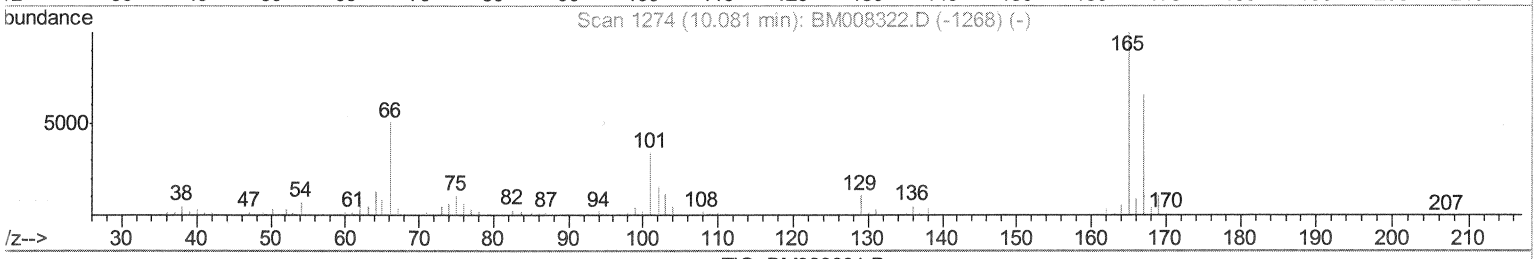
Quant Time: Dec 15 05:51:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1214
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA8P2DL

**Manual Integrations APPROVED**
sohil
12/15/2016 5:37:31 PM




TIC: BM008331.D

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

10.134min (+0.053) 3.99ng/ul m SJ 12/15/16

response 35411

| Ion | Exp% | Act% |
|---|---|---|
| 165.00 | 100 | 100 |
| 167.00 | 64.50 | 67.93 |
| 101.00 | 35.20 | 31.26 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008331.D
Acq On : 15 Dec 2016 04:37
Operator : UM/SJ
Sample : H5976-10DL 5X
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Dec 15 05:59:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12141
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 02:56:44 2016
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** DA8P2DL

**Manual Integrations APPROVED**
sohil
12/15/2016 5:37:31 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 151365 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 604629 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.31 | 164 | 387927 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.06 | 188 | 762628 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.26 | 240 | 950386 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.49 | 264 | 955126 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.24 | 96 | 441 | 0.14 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.92 | 99 | 8415 | 0.72 | ng/ul | 0.06 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.02 | 67 | 29845 | 4.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.22 | 132 | 30339 | 3.43 | ng/ul | 0.02 |
| 13) 4-Methylphenol-d8 | 8.41 | 113 | 19102 | 2.10 | ng/ul | 0.03 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 20691 | 4.74 | ng/ul | 0.02 |
| 22) 2-Nitrophenol-d4 | 9.56 | 143 | 22141m | 4.57 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3 | 10.13 | 165 | 35411m | 3.99 | ng/ul | 0.05 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 149831 | 5.81 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.00 | 160 | 173132 | 5.68 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.67 | 143 | 284 | 0.07 | ng/ul | 0.12 |
| 57) Fluorene-d10 | 15.31 | 176 | 135804 | 6.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 14580 | 3.21 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.17 | 188 | 200349 | 6.03 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.47 | 212 | 242245 | 6.60 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.36 | 264 | 255514 | 6.37 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Acenaphthene | 14.37 | 153 | 660935 | 31.01 | ng/ul | 98 |
| 53) Dibenzofuran | 14.72 | 168 | 263833 | 8.49 | ng/ul | 100 |
| 58) Fluorene | 15.37 | 166 | 283973 | 11.13 | ng/ul | 95 |

SJ 12/15/16

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