

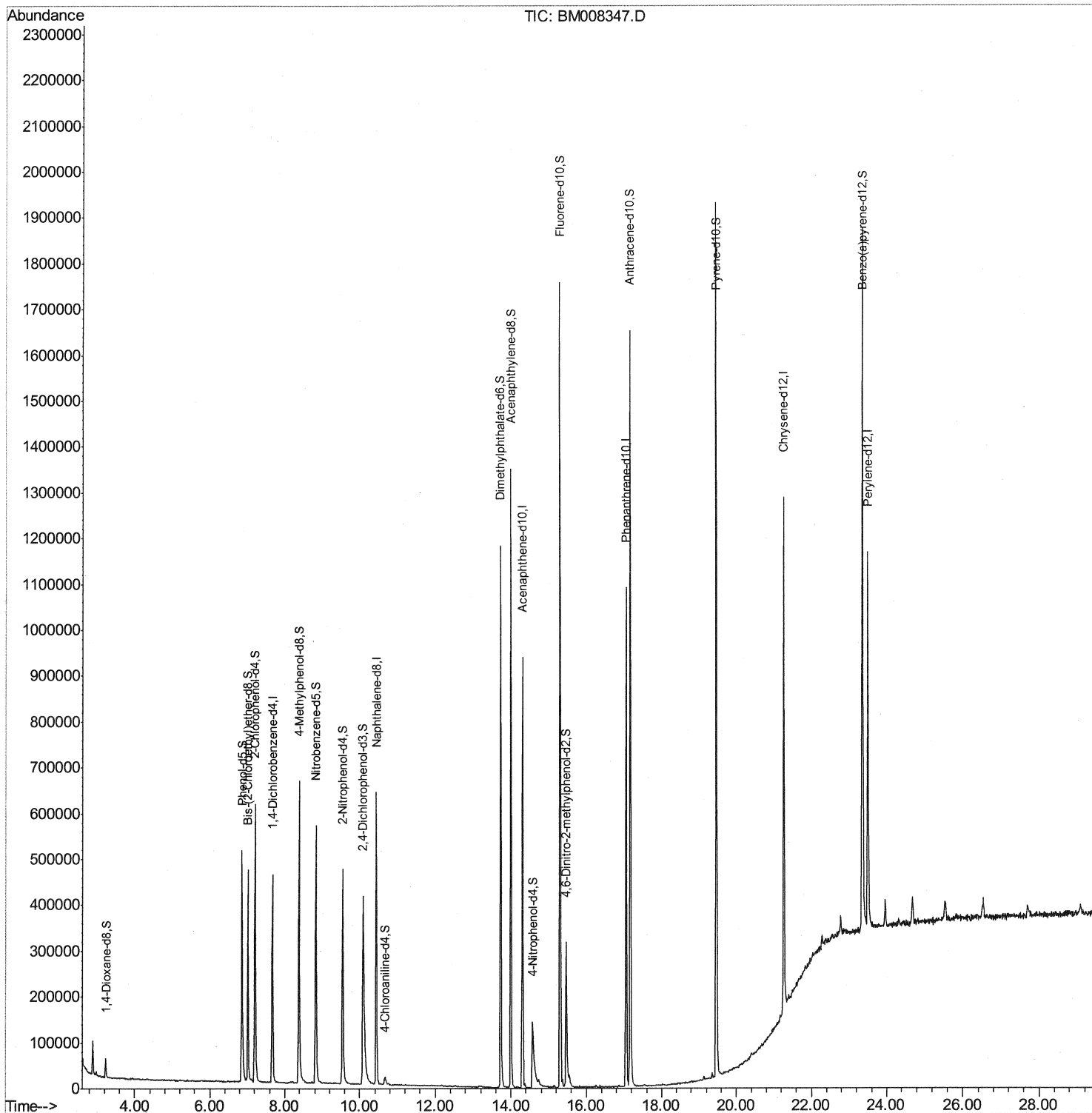
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121616\  
Data File : BM008347.D  
Acq On : 15 Dec 2016 17:36  
Operator : UM/SJ  
Sample : PB95322BL  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SBLK22

Manual Integrations  
APPROVED

sohil  
12/16/2016 6:20:42 PM

Quant Time: Dec 16 03:00:17 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 16 02:33:30 2016  
Response via : Initial Calibration



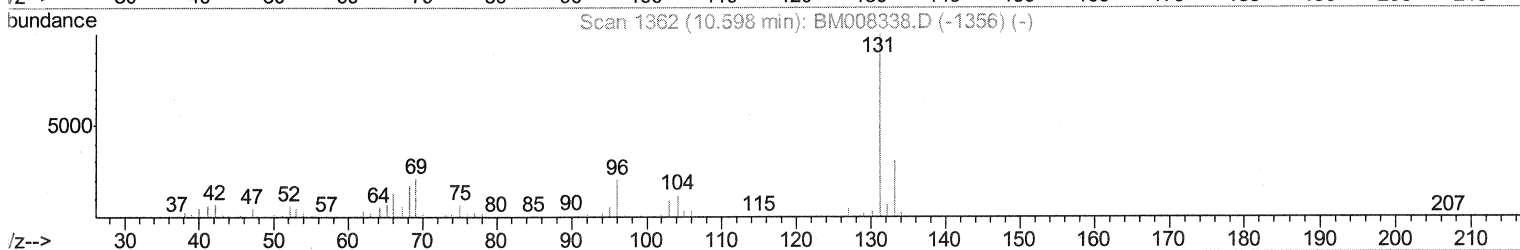
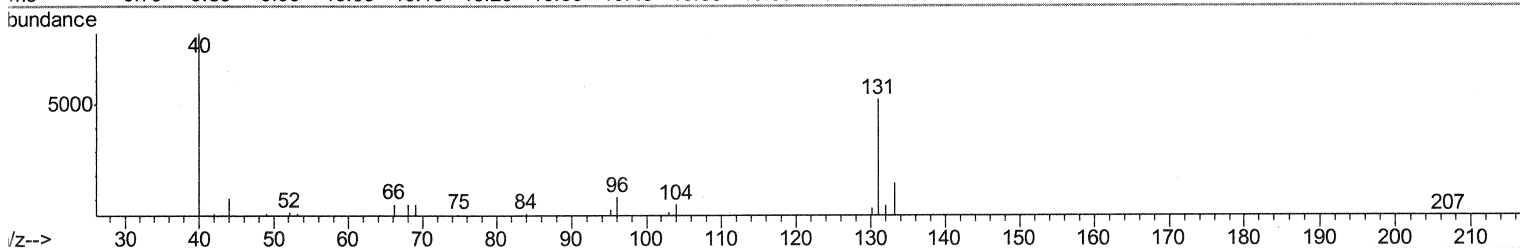
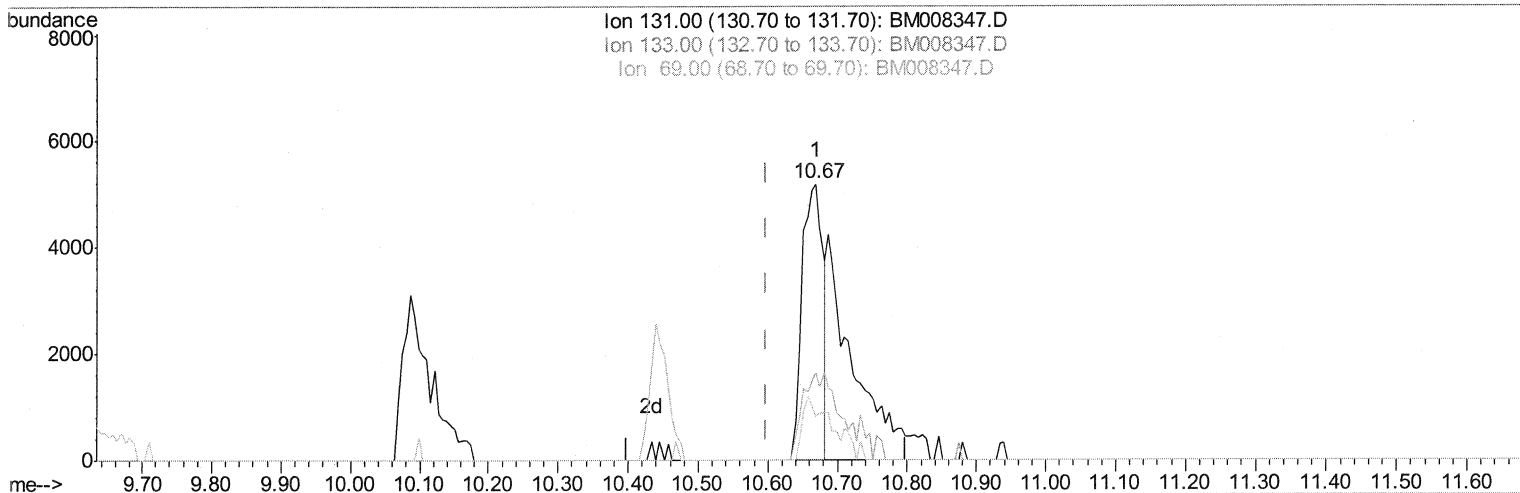
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Quant Time: Dec 16 02:37:28 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 16 02:33:30 2016  
Response via : Initial Calibration



TIC: BM008347.D

(29) 4-Chloroaniline-d4 (S)

10.669min (+0.070) 1.22ng/ul

response 10620

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 34.20 | 31.97  |
| 69.00  | 21.70 | 15.48# |
| 0.00   | 0.00  | 0.00   |

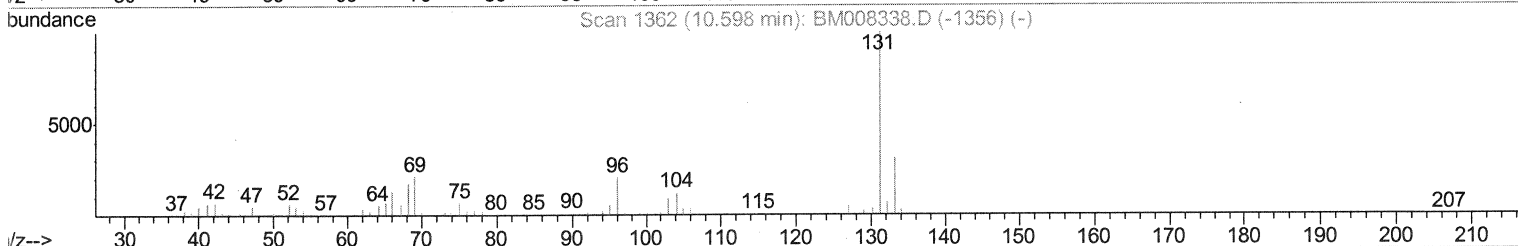
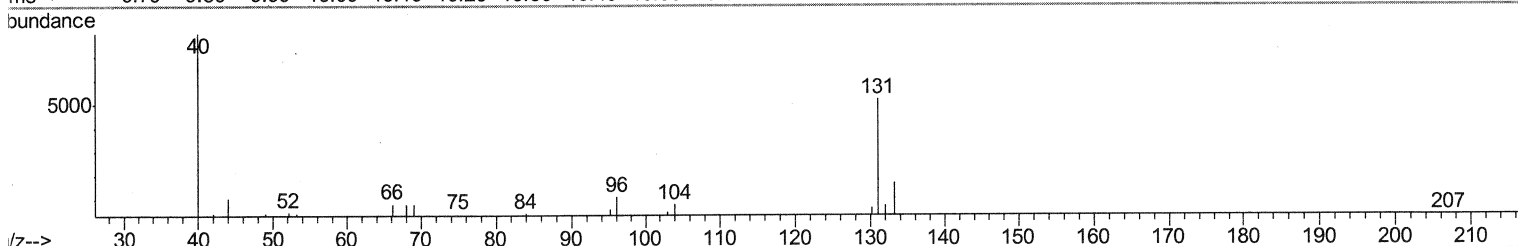
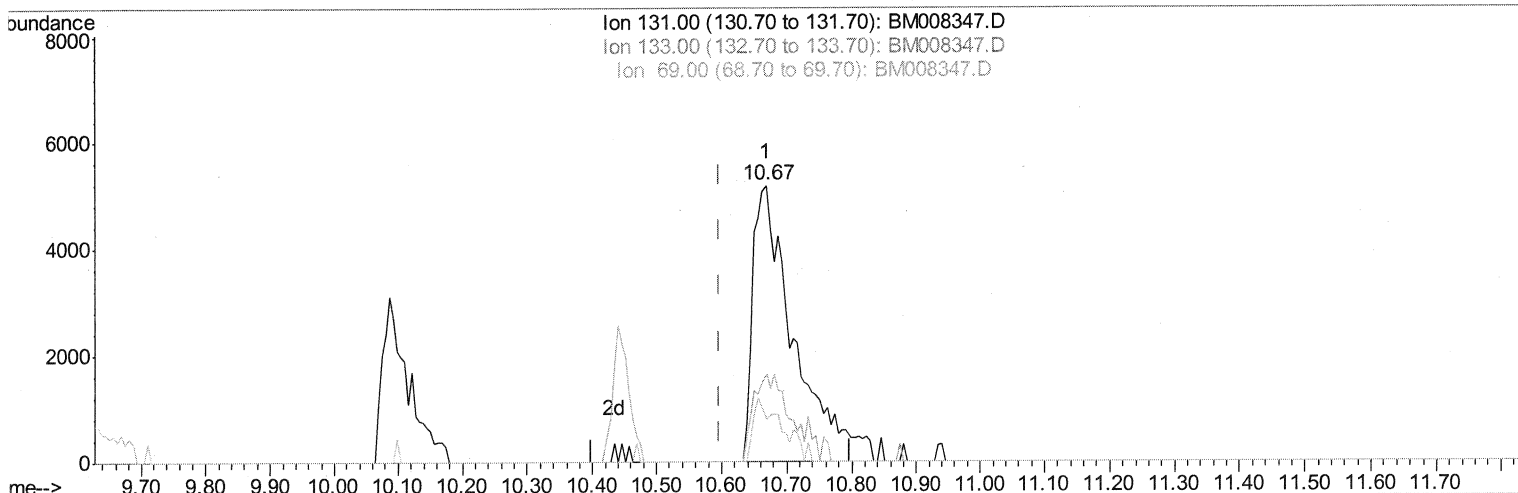
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 Data File : BM008347.D  
 Acq On : 15 Dec 2016 17:36  
 Operator : UM/SJ  
 Sample : PB95322BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SBLK22

Manual Integrations  
 APPROVED

sohil  
 12/16/2016 6:20:42 PM

Quant Time: Dec 16 02:37:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12141  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 16 02:33:30 2016  
 Response via : Initial Calibration



TIC: BM008347.D

(29) 4-Chloroaniline-d4 (S)

10.669min (+0.070) 2.59ng/ul m SJ 12/20/16

response 22487

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 34.20 | 31.97  |
| 69.00  | 21.70 | 15.48# |
| 0.00   | 0.00  | 0.00   |

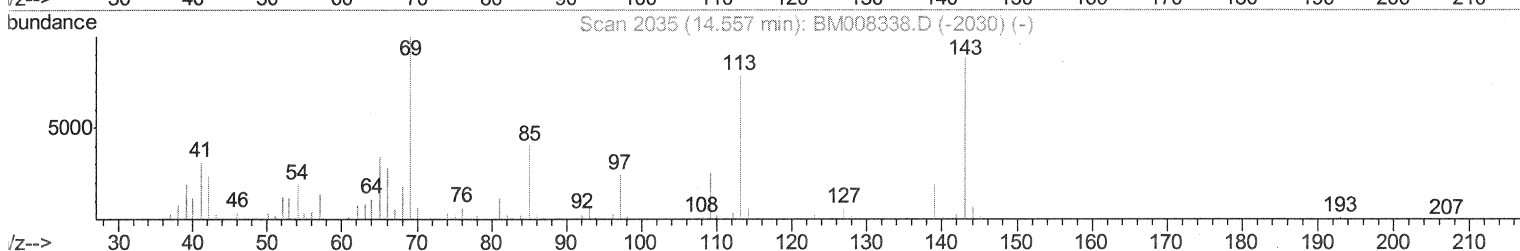
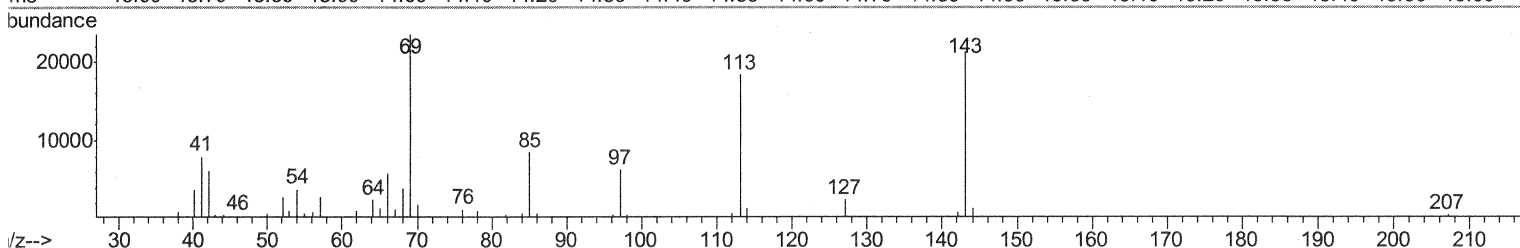
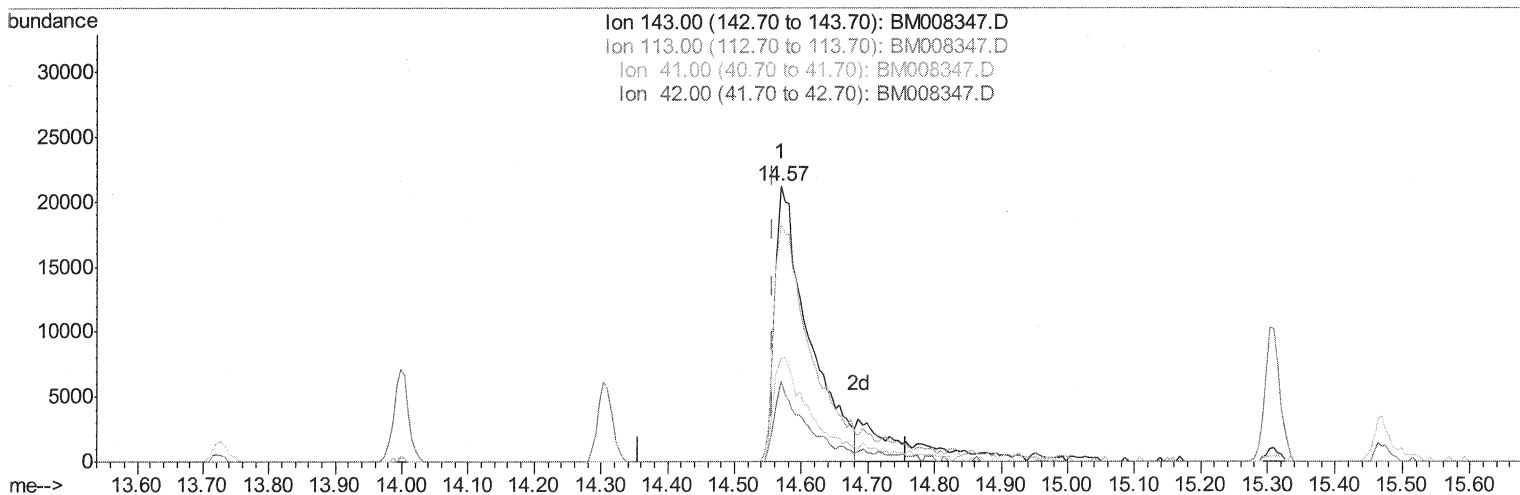
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 Data File : BM008347.D  
 Acq On : 15 Dec 2016 17:36  
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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

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Quant Time: Dec 16 02:37:28 2016  
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 Response via : Initial Calibration



TIC: BM008347.D

(51) 4-Nitrophenol-d4 (S)

14.568min (+0.012) 22.58ng/ul

response 74861

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 143.00 | 100    | 100   |
| 113.00 | 101.20 | 86.47 |
| 41.00  | 39.40  | 37.50 |
| 42.00  | 27.40  | 29.25 |

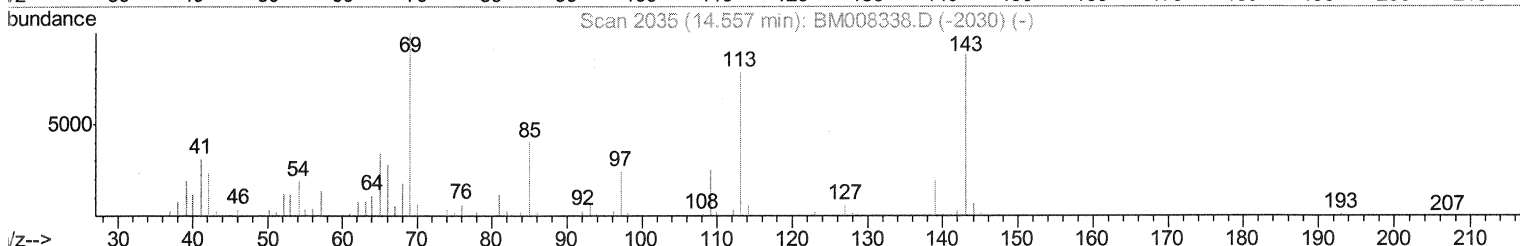
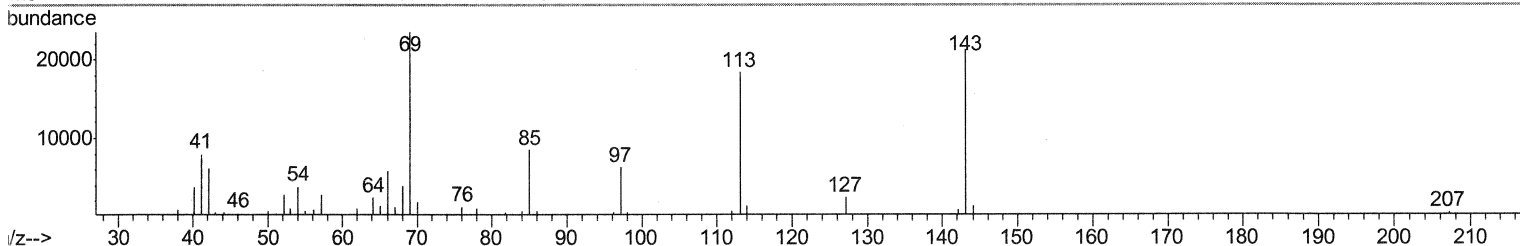
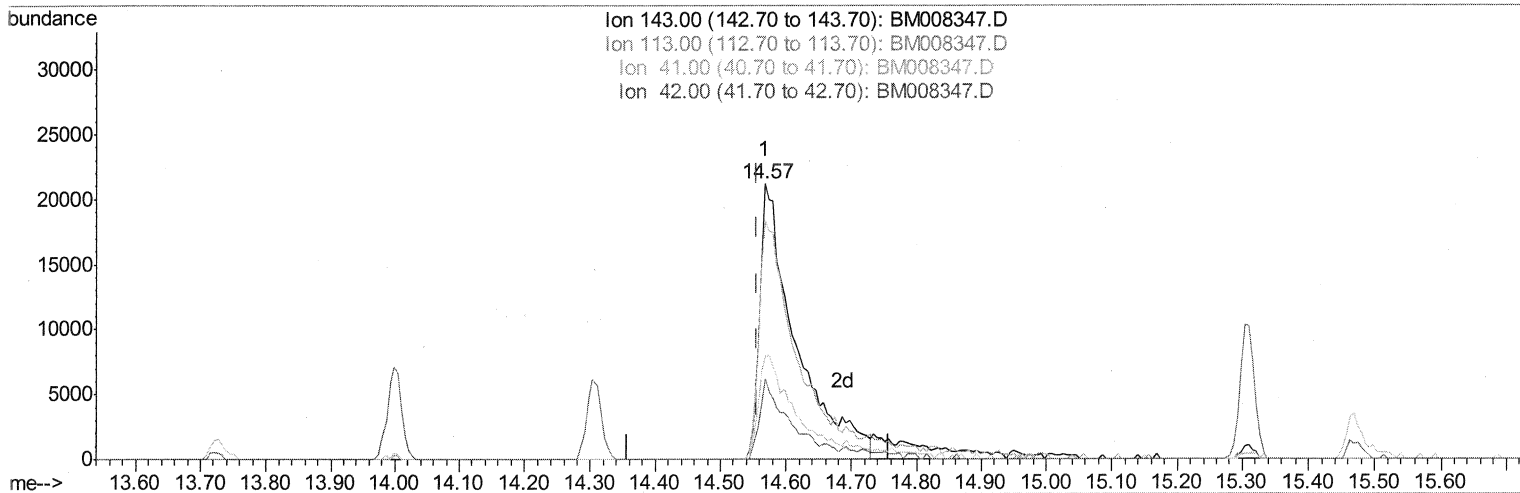
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121616\  
Data File : BM008347.D  
Acq On : 15 Dec 2016 17:36  
Operator : UM/SJ  
Sample : PB95322BL  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SBLK22

Manual Integrations  
APPROVED

sohil  
12/16/2016 6:20:42 PM

Quant Time: Dec 16 02:37:28 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 16 02:33:30 2016  
Response via : Initial Calibration



TIC: BM008347.D

(51) 4-Nitrophenol-d4 (S)

14.568min (+0.012) 24.61ng/ul m

SJ 12/20/16

response 81601

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 143.00 | 100    | 100   |
| 113.00 | 101.20 | 86.47 |
| 41.00  | 39.40  | 37.50 |
| 42.00  | 27.40  | 29.25 |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121616\  
 Data File : BM008347.D  
 Acq On : 15 Dec 2016 17:36  
 Operator : UM/SJ  
 Sample : PB95322BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

sohil  
 12/16/2016 6:20:42 PM

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 16 02:33:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 126524   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 516941   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 338573   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 624838   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 679411   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 675115   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 21072   | 7.84  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.86  | 99  | 342924  | 34.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 219122  | 38.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 278297  | 37.68 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 261756  | 34.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 139039  | 37.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 157771  | 38.11 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 253315  | 33.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 22487m  | 2.59  | ng/ul | 0.07 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 859418  | 38.19 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 991702  | 37.28 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.57 | 143 | 81601m  | 24.61 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.31 | 176 | 714108  | 36.50 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 93829   | 25.23 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 1032025 | 37.91 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1131407 | 43.12 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.35 | 264 | 1039955 | 36.68 | ng/ul | 0.00 |

SJ 12/20/16

SJ 12/20/16

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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