

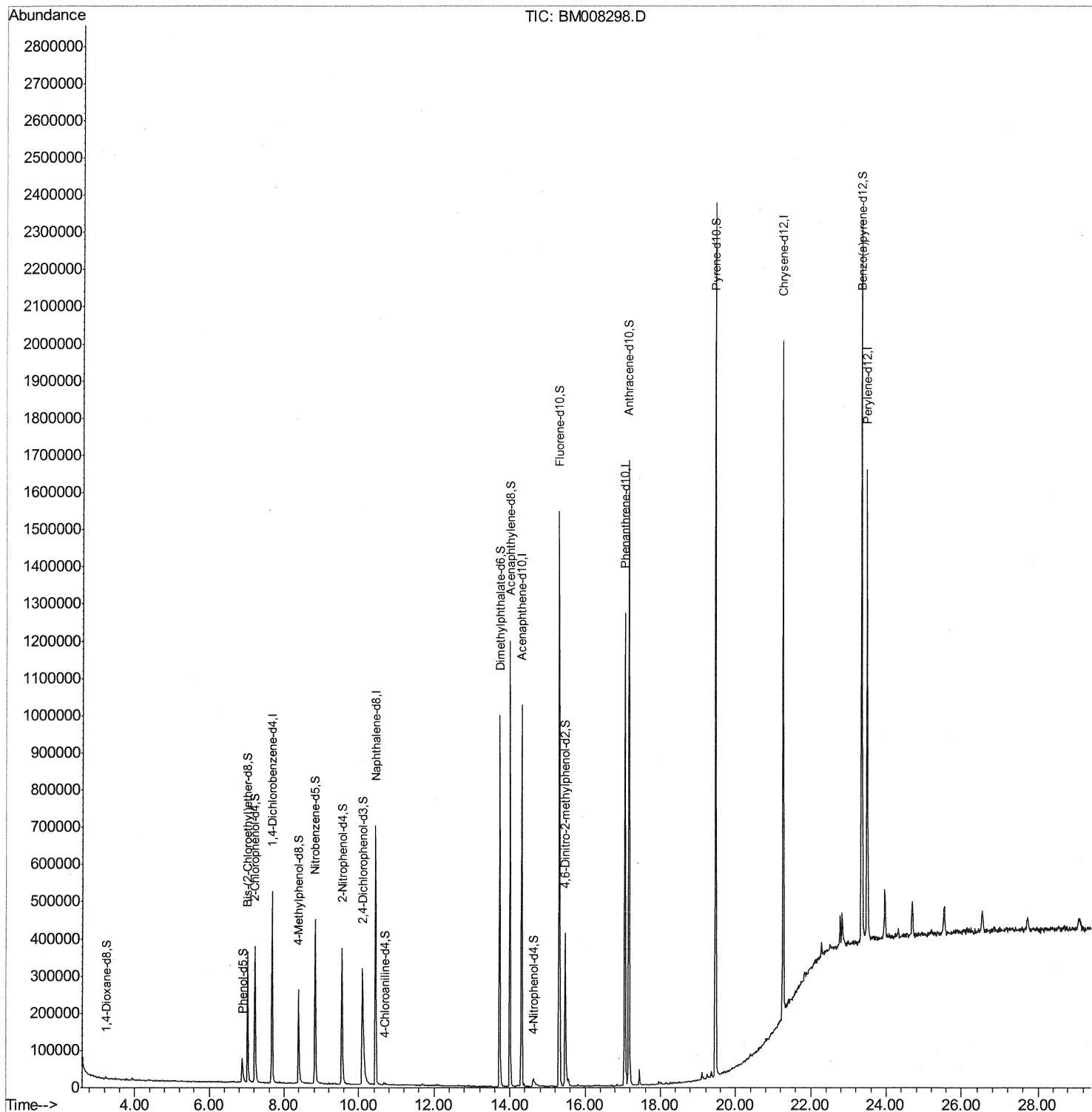
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM121416\  
 Data File : BM008298.D  
 Acq On : 14 Dec 2016 07:11  
 Operator : UM/SJ  
 Sample : H5976-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA8N9

Manual Integrations  
 APPROVED

Sohil  
 12/14/2016 6:58:00 PM

Quant Time: Dec 14 10:56:43 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 14 05:32:31 2016  
 Response via : Initial Calibration



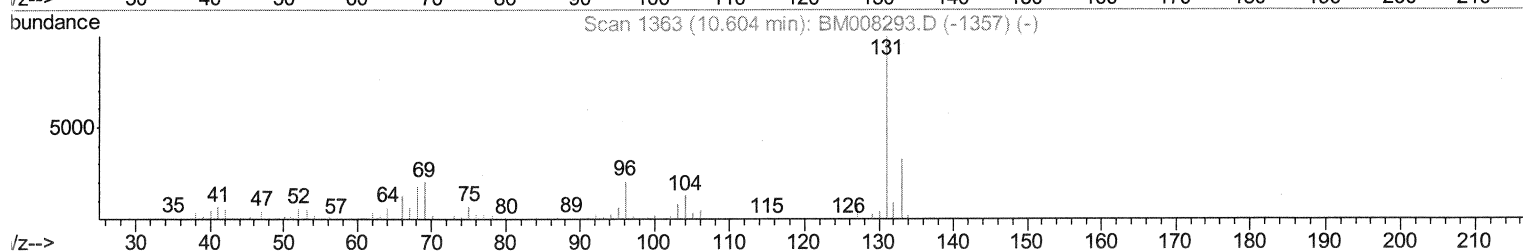
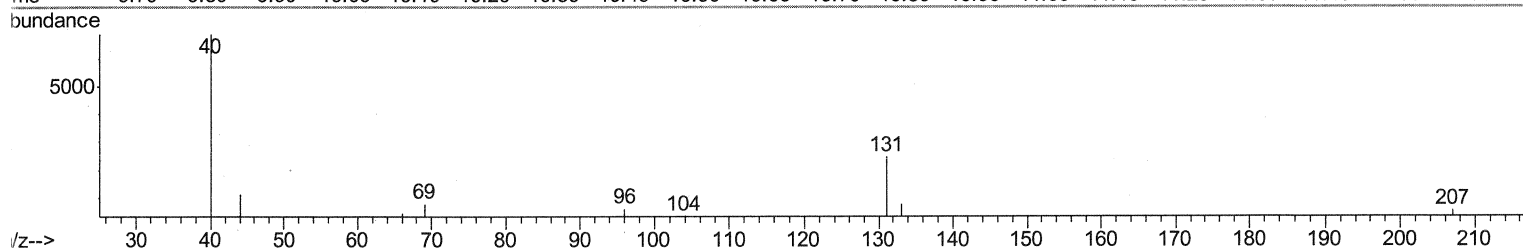
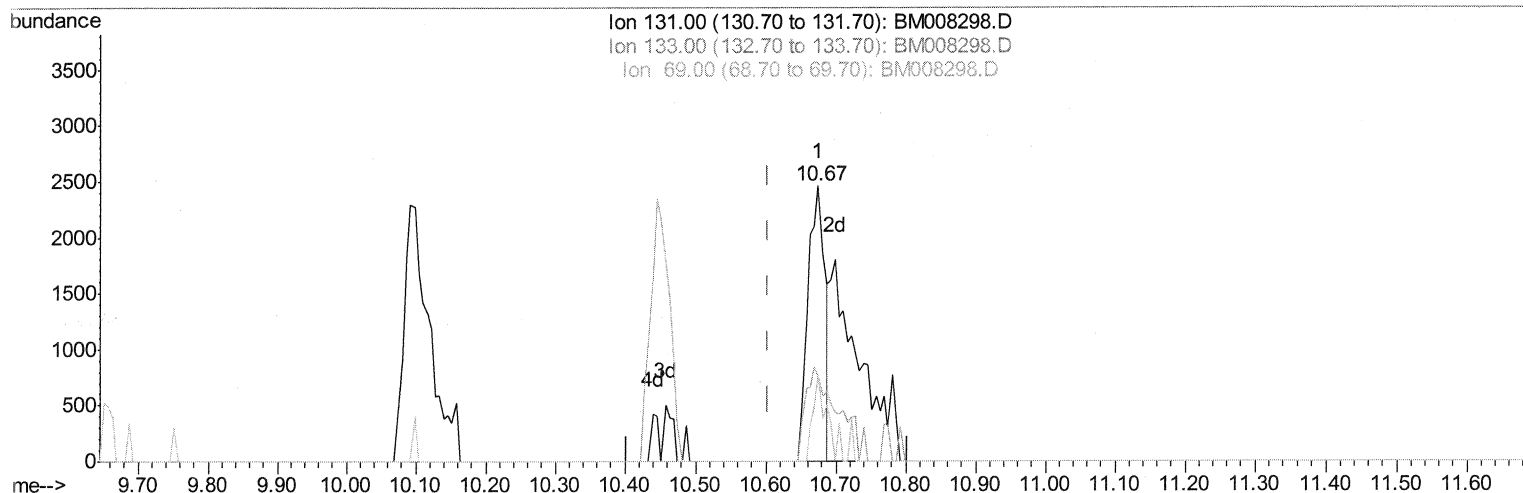
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Quant Time: Dec 14 10:54:24 2016  
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TIC: BM008298.D

(29) 4-Chloroaniline-d4 (S)

10.675min (+0.071) 0.44ng/ul

response 4157

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 34.20 | 30.99  |
| 69.00  | 21.70 | 31.16# |
| 0.00   | 0.00  | 0.00   |

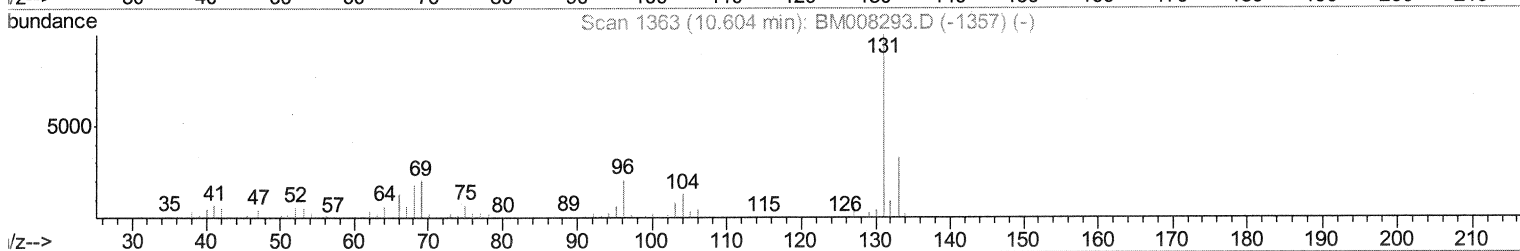
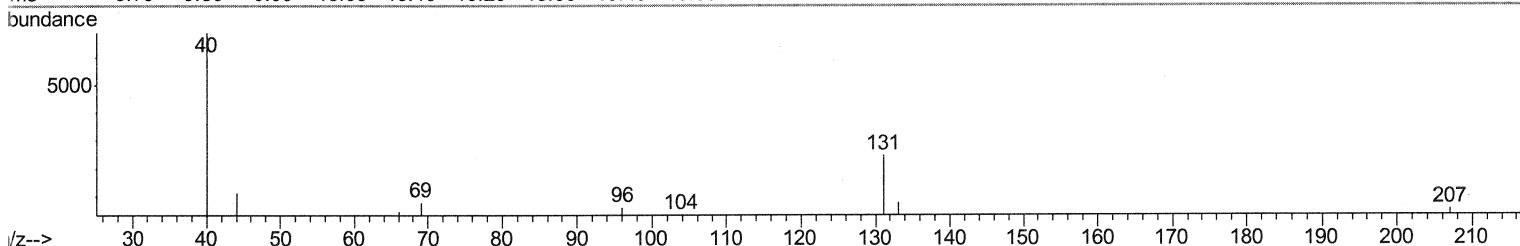
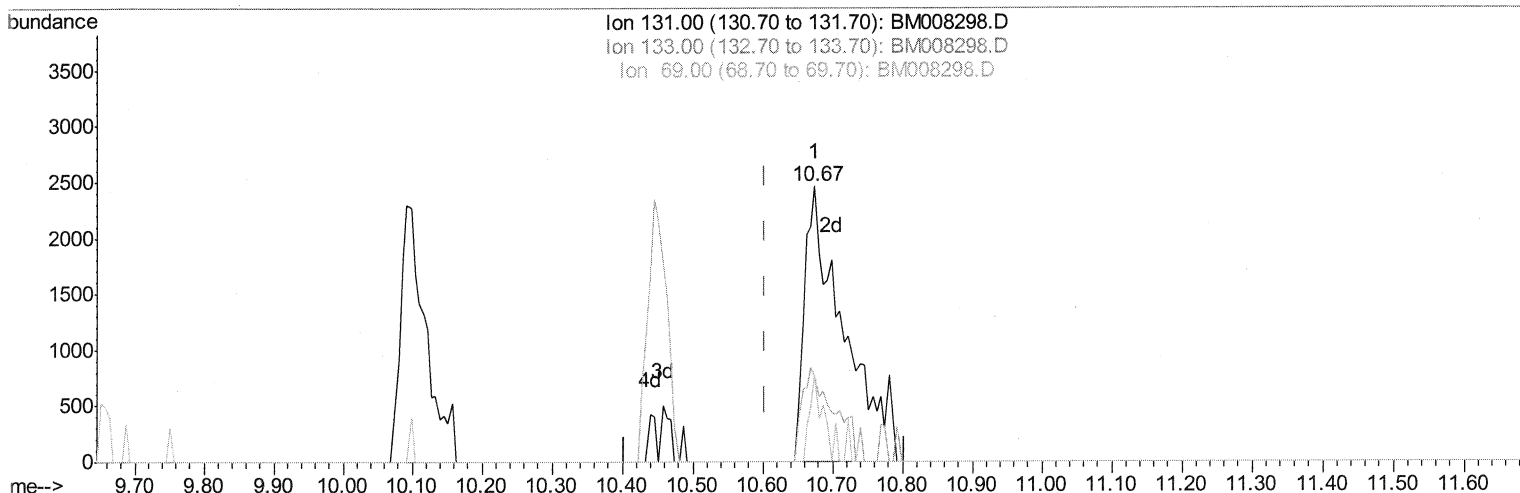
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Manual Integrations  
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TIC: BM008298.D

(29) 4-Chloroaniline-d4 (S)

10.675min (+0.071) 1.01ng/ul m SJ 12/14/16

response 9542

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 34.20 | 30.99  |
| 69.00  | 21.70 | 31.16# |
| 0.00   | 0.00  | 0.00   |

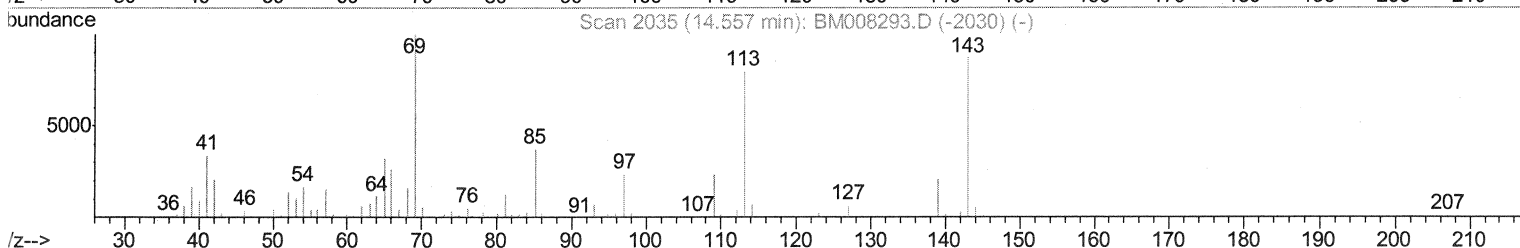
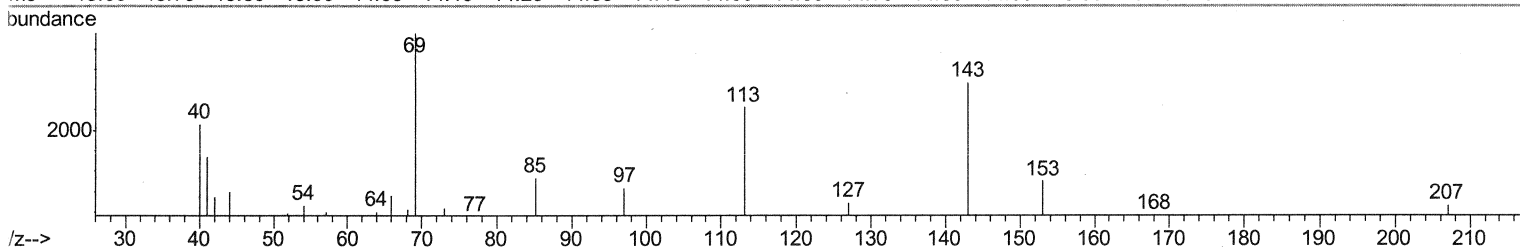
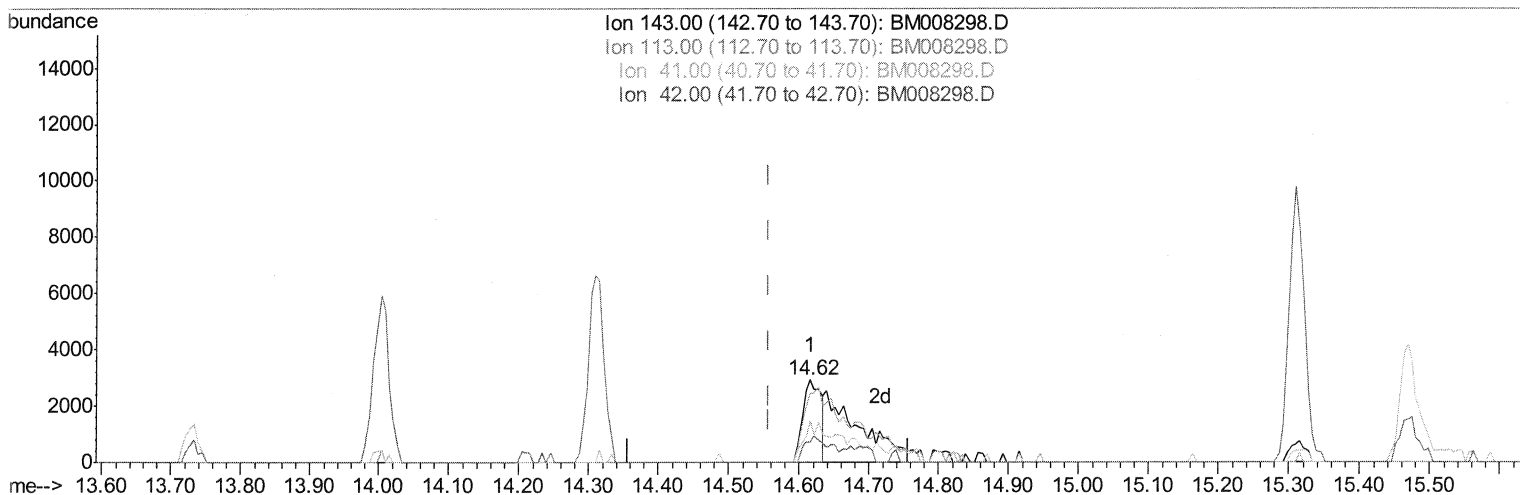
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Manual Integrations  
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TIC: BM008298.D

(51) 4-Nitrophenol-d4 (S)

14.616min (+0.059) 1.51ng/ul

response 5367

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 101.20 | 83.58  |
| 41.00  | 39.40  | 50.44# |
| 42.00  | 27.40  | 23.65  |

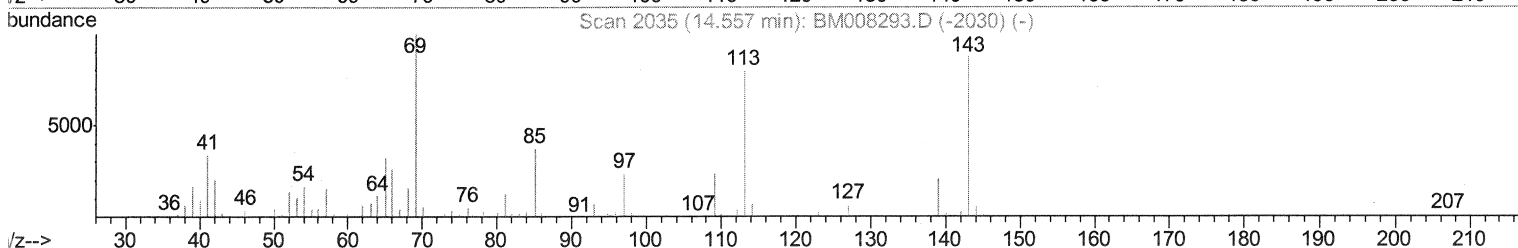
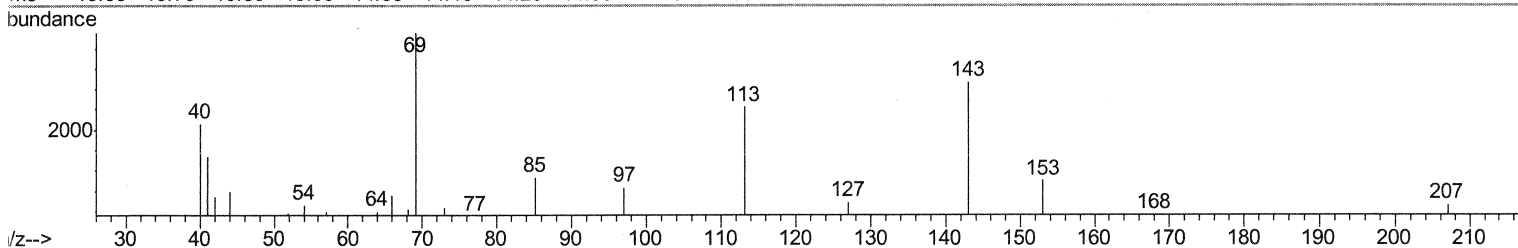
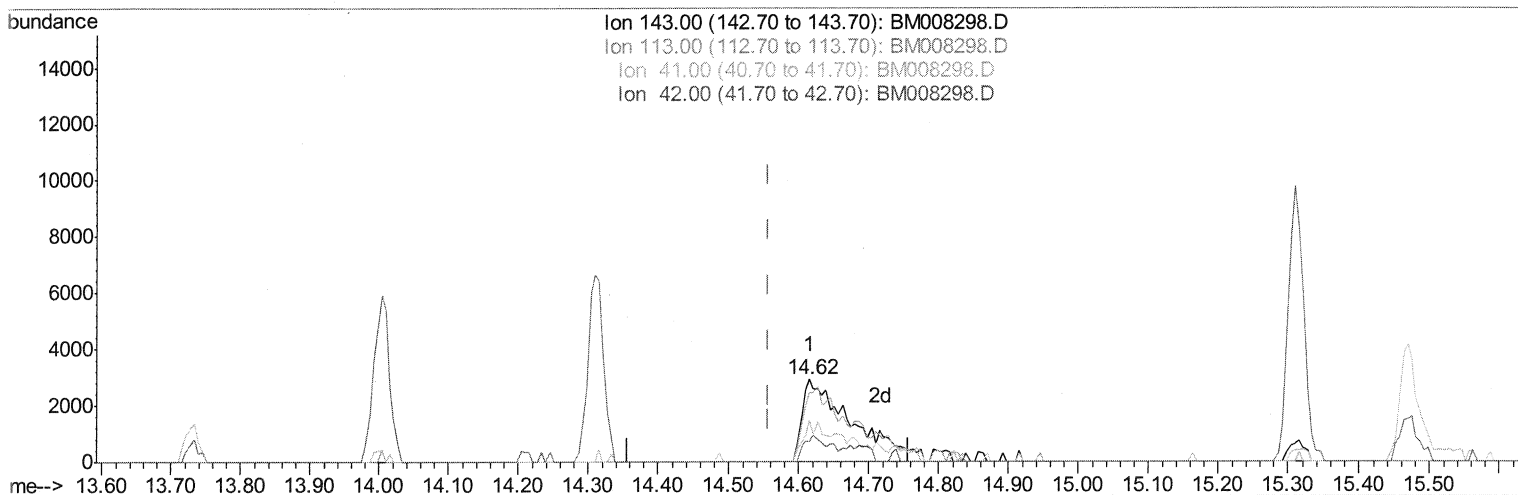
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Acq On : 14 Dec 2016 07:11  
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Sample : H5976-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DA8N9

Manual Integrations  
APPROVED

Sohil  
12/14/2016 6:58:00 PM

Quant Time: Dec 14 10:54:24 2016  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 14 05:32:31 2016  
Response via : Initial Calibration



TIC: BM008298.D

(51) 4-Nitrophenol-d4 (S)

14.616min (+0.059) 4.08ng/ul m

SJ 12/14/16

response 14523

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 101.20 | 83.58  |
| 41.00  | 39.40  | 50.44# |
| 42.00  | 27.40  | 23.65  |

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 Operator : UM/SJ  
 Sample : H5976-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA8N9

Manual Integrations  
 APPROVED

Sohil  
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 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 143782   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 560660   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 363357   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 737344   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 958789   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 982245   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 3385    | 1.11  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 54123   | 4.85  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 163502  | 25.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 178125  | 21.22 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 106181  | 12.29 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 111457  | 27.51 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 122527  | 27.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 184539  | 22.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 9542m   | 1.01  | ng/ul | 0.07 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 742567  | 30.74 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 844112  | 29.57 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 14523m  | 4.08  | ng/ul | 0.06 |
| 57) Fluorene-d10               | 15.31 | 176 | 628242  | 29.92 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 109807  | 25.02 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.17 | 188 | 1028565 | 32.02 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.47 | 212 | 1265844 | 34.19 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.35 | 264 | 1376611 | 33.37 | ng/ul | 0.00 |

SJ 12/14/16  
 SJ 12/14/16

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

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