

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\  
 Data File : BM013071.D  
 Acq On : 21 Nov 2017 07:41  
 Operator : SJ/JU  
 Sample : I6405-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE2W0

Manual Integrations  
 APPROVED

Sohil  
 11/22/2017 10:44:59 AM

Quant Time: Nov 21 14:11:07 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 21 07:39:32 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 249044   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.50 | 136  | 1106201  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 662498   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 1434740  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.28 | 240  | 1143619  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.51 | 264  | 973945   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 34588   | 6.43  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.89  | 99  | 195680  | 9.07  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 461308  | 37.69 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 560051  | 32.48 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 388698  | 22.00 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.87  | 128 | 347782  | 44.11 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 396811  | 52.91 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 701068  | 36.83 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 5789m   | 0.29  | ng/ul | -0.03 |
| 43) Dimethylphthalate-d6       | 13.77 | 166 | 2277867 | 39.20 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 2736627 | 36.96 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.57 | 143 | 79235   | 8.99  | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.35 | 176 | 1900178 | 38.48 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 289019  | 46.46 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.20 | 188 | 2822976 | 38.43 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.49 | 212 | 2721427 | 46.58 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.37 | 264 | 1990258 | 40.30 | ng/ul | 0.00  |

## Target Compounds

|                            |       |     |         |        | Ovalue |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane             | 3.29  | 88  | 9967    | 1.687  | ng/uL# | 69  |
| 6) Phenol                  | 6.92  | 94  | 38505   | 1.808  | ng/ul# | 85  |
| 8) Bis(2-Chloroethyl)ether | 7.15  | 93  | 18744   | 1.169  | ng/ul  | 97  |
| 28) Naphthalene            | 10.55 | 128 | 2760535 | 48.431 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene    | 12.16 | 142 | 322356  | 7.730  | ng/ul  | 99  |
| 49) Acenaphthene           | 14.42 | 153 | 165376  | 3.608  | ng/ul  | 100 |

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

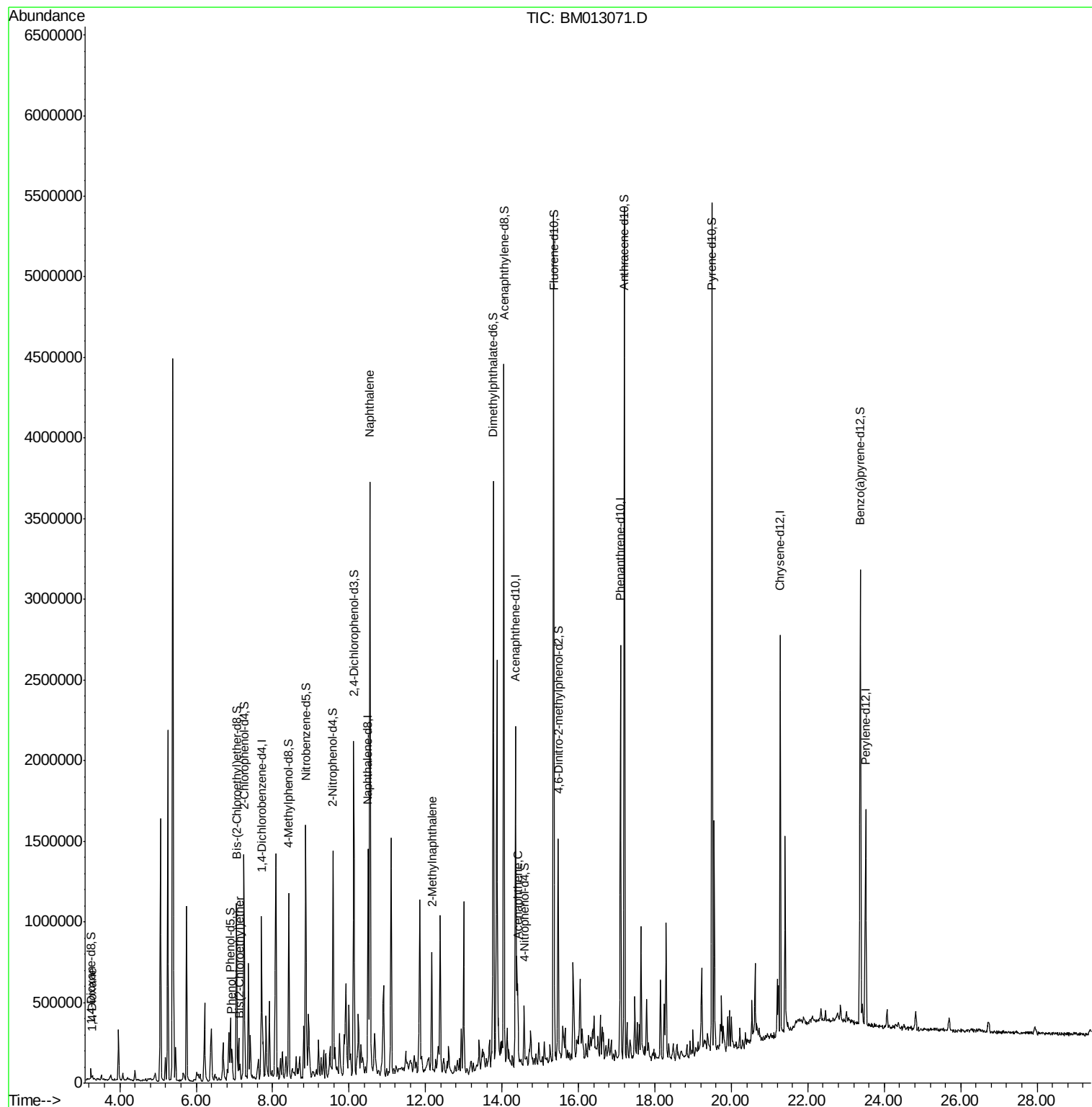
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\  
Data File : BM013071.D  
Acq On : 21 Nov 2017 07:41  
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Sample : I6405-19  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

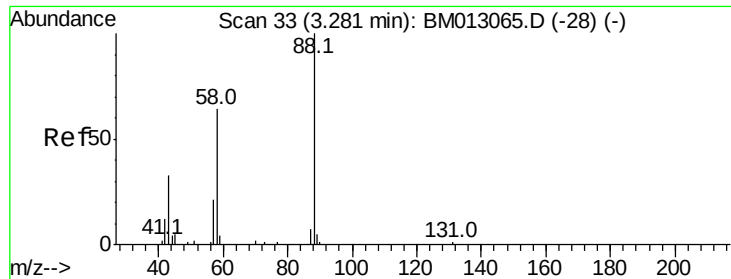
Instrument :  
BNA\_M  
ClientSampleId :  
BE2W0

Quant Time: Nov 21 14:11:07 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M  
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#2

1,4-Dioxane

Concen: 1.687 ng/uL

RT: 3.29 min Scan# 34

Delta R.T. 0.01 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

Instrument :

BNA\_M

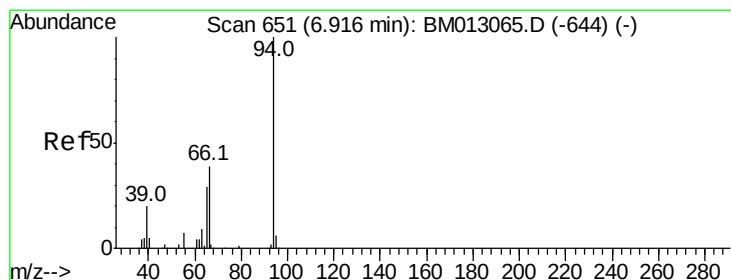
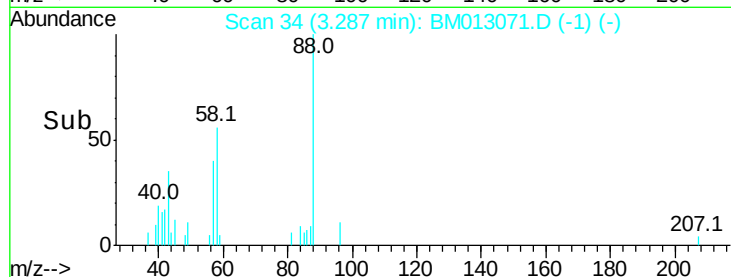
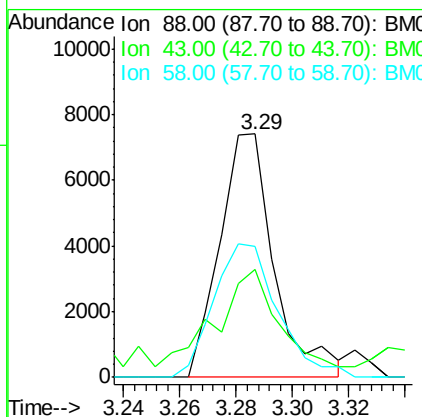
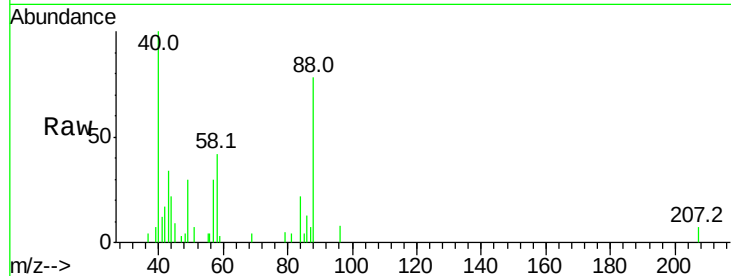
ClientSampled :

BE2W0

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 88    | Resp: | 9967   |
| Ion      | Ratio | Lower | Upper  |
| 88       | 100   |       |        |
| 43       | 43.3  | 48.0  | 72.0#  |
| 58       | 64.4  | 80.0  | 120.0# |

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#6

Phenol

Concen: 1.808 ng/uL

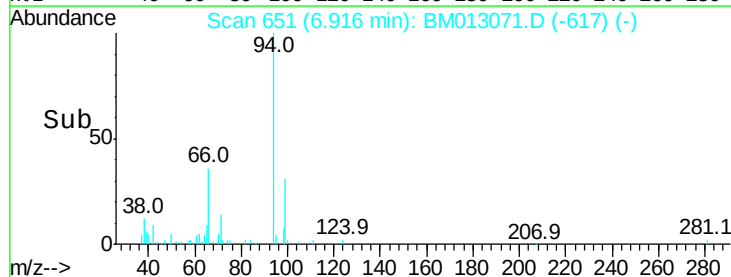
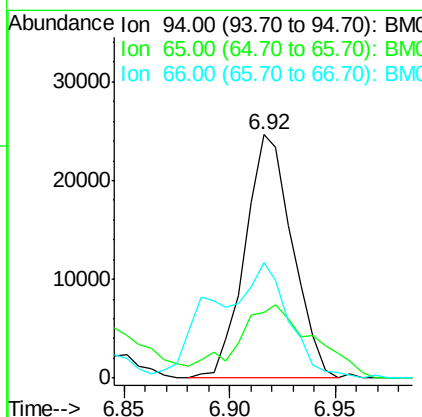
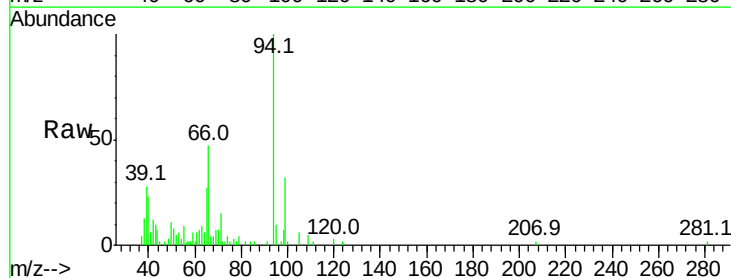
RT: 6.92 min Scan# 651

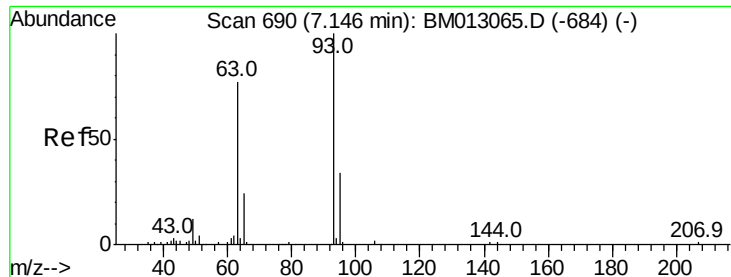
Delta R.T. -0.00 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 38505 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 27.1  | 28.2  | 42.4# |
| 66       | 47.4  | 47.2  | 70.8  |





#8

Bis(2-Chloroethyl)ether

Concen: 1.169 ng/ul

RT: 7.15 min Scan# 690

Delta R.T. -0.00 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

Instrument :

BNA\_M

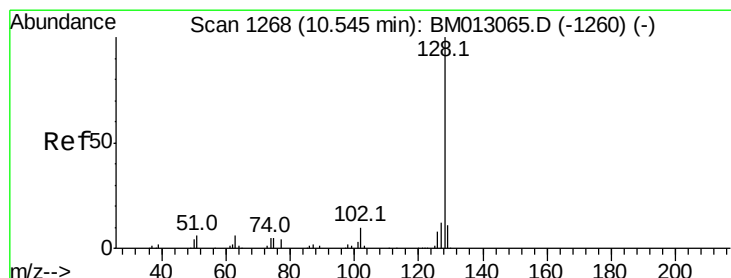
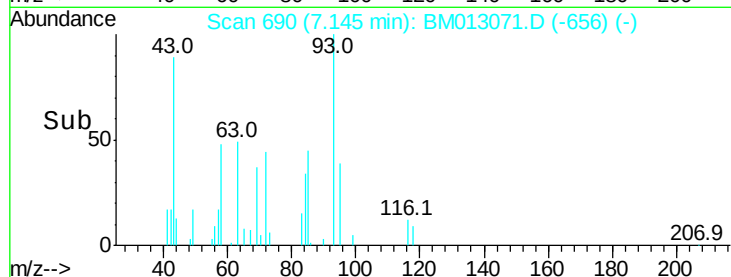
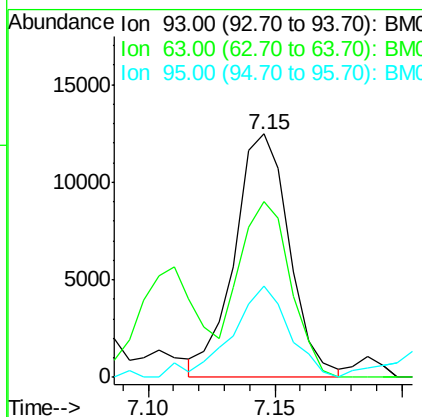
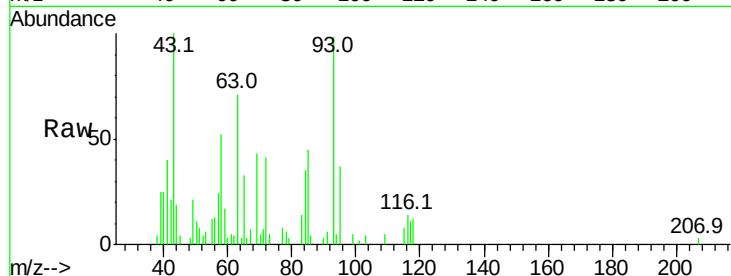
ClientSampleId :

BE2W0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 93    | Resp: | 18744 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 63        | 72.2  | 57.3  | 85.9  |
| 95        | 37.3  | 26.6  | 39.8  |

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#28

Naphthalene

Concen: 48.431 ng/ul

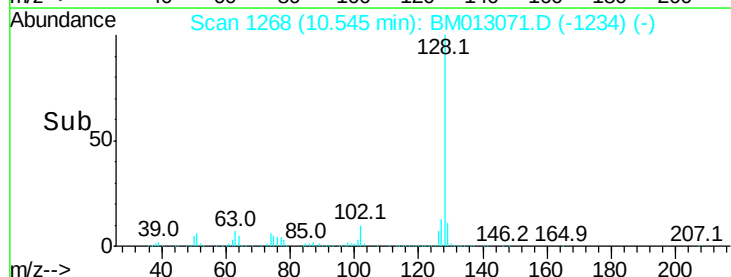
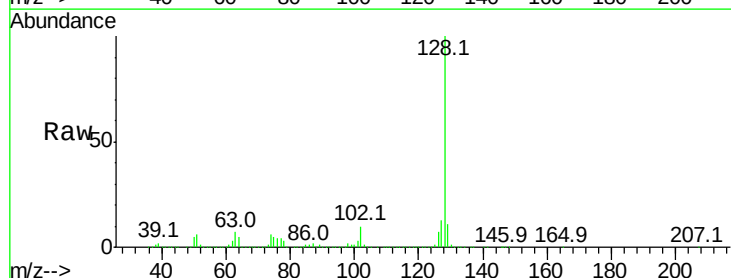
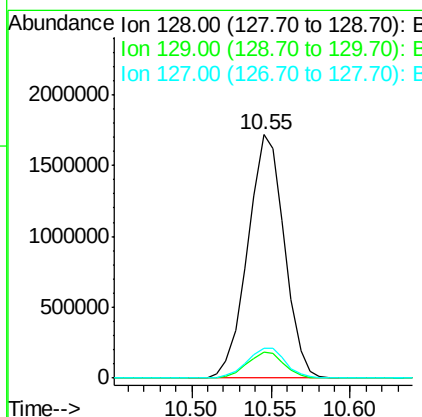
RT: 10.55 min Scan# 1268

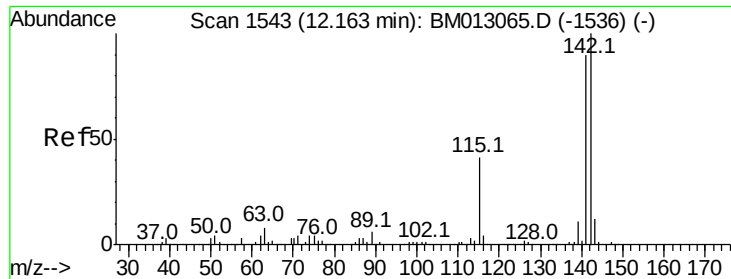
Delta R.T. -0.00 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 128   | Resp: | 2760535 |
| Ion Ratio | Lower | Upper |         |
| 128       | 100   |       |         |
| 129       | 10.7  | 8.8   | 13.2    |
| 127       | 12.5  | 10.6  | 16.0    |





#34

2-Methylnaphthalene

Concen: 7.730 ng/ul

RT: 12.16 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

Instrument :

BNA\_M

ClientSampleId :

BE2W0

Tot Ion:142 Resp: 322356

Ion Ratio Lower Upper

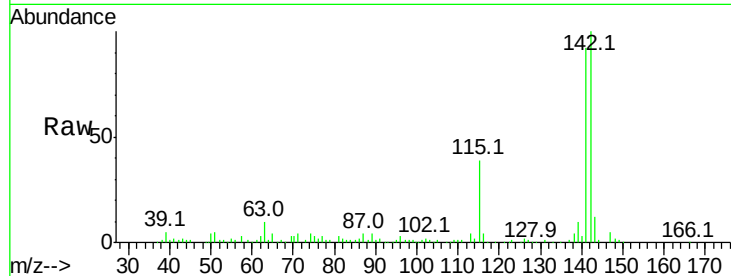
142 100

141 91.5 74.1 111.1

Manual Integrations  
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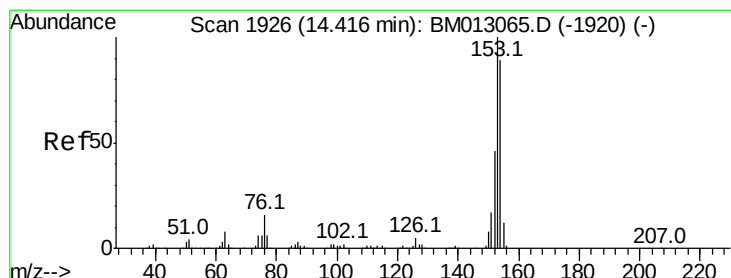
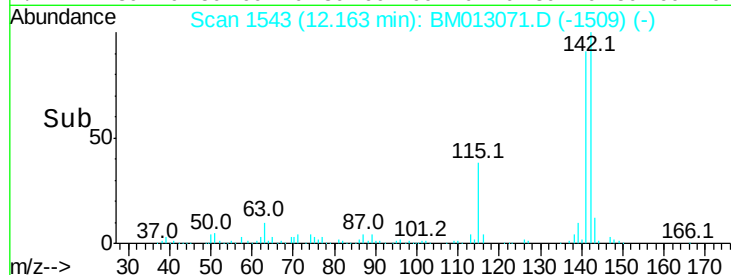
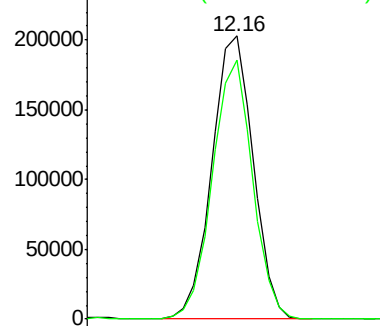
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#49

Acenaphthene

Concen: 3.608 ng/ul

RT: 14.42 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BM013071.D

Acq: 21 Nov 2017 07:41

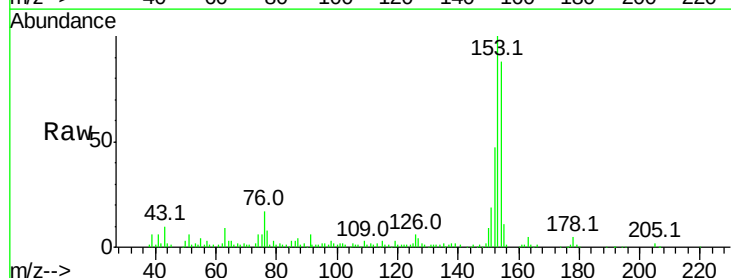
Tgt Ion:153 Resp: 165376

Ion Ratio Lower Upper

153 100

152 46.8 37.6 56.4

154 87.6 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

