

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\  
 Data File : BM012434.D  
 Acq On : 25 Oct 2017 01:27  
 Operator : SJ/JU  
 Sample : I5955-12  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TWP-B-67

Quant Time: Oct 25 04:18:25 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 25 00:51:00 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 579405   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 2488238  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.51 | 164  | 1631306  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 3843153  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.41 | 240  | 3392191  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.72 | 264  | 2889492  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 96184   | 8.48  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.04  | 99  | 443756  | 9.17  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.21  | 67  | 824544  | 28.70 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 989469  | 27.29 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.58  | 113 | 780245  | 18.86 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 571855  | 36.70 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.75  | 143 | 624595  | 38.90 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.29 | 165 | 1255096 | 29.51 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.79 | 131 | 246393  | 5.49  | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 4153320 | 29.14 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 4954169 | 29.39 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 190603  | 9.00  | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.50 | 176 | 3510678 | 29.10 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 546024  | 29.36 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.34 | 188 | 5554494 | 30.33 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.63 | 212 | 5807299 | 37.32 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.57 | 264 | 4139067 | 30.15 | ng/ul | 0.00  |

## Target Compounds

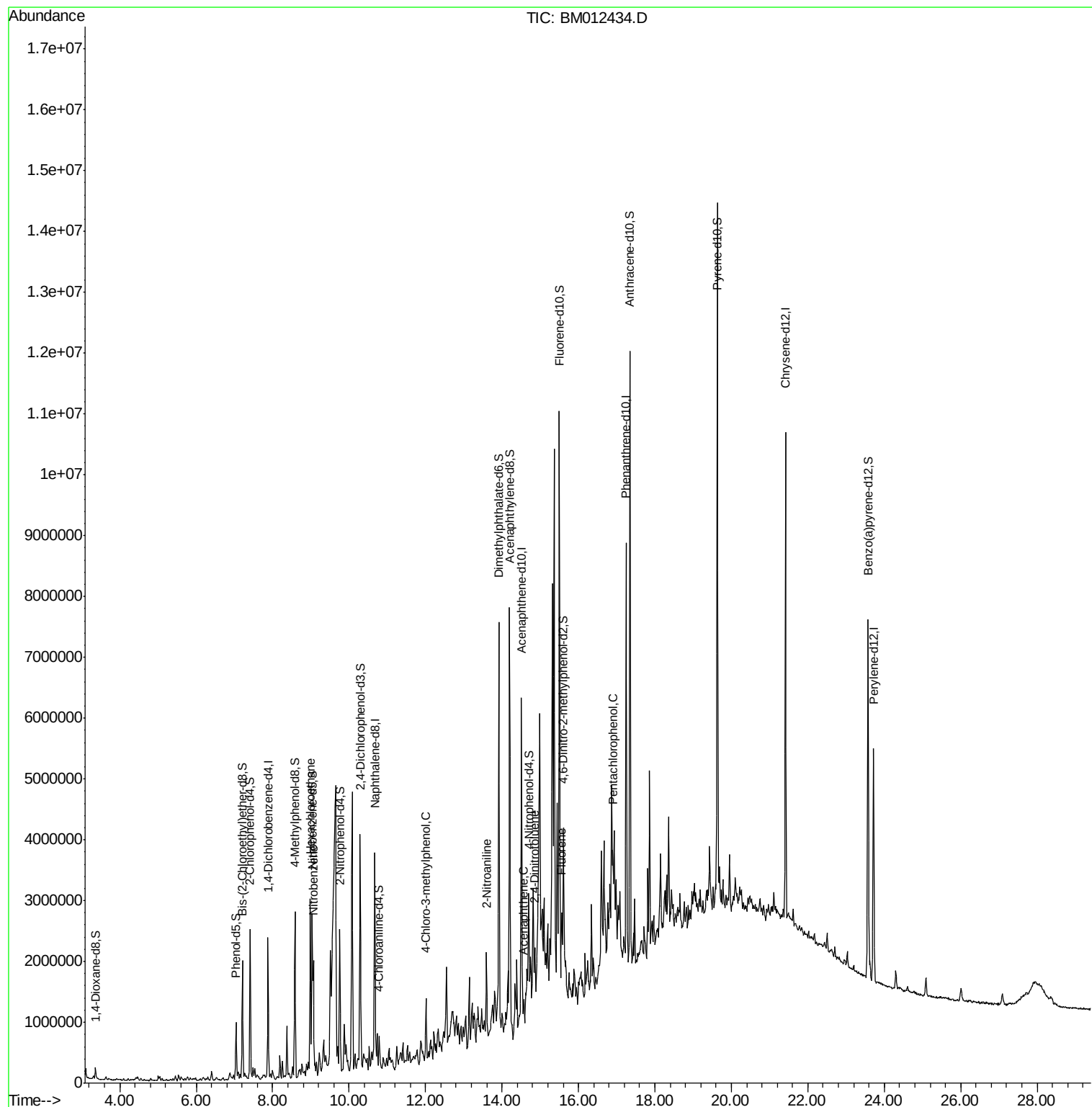
|                             |       |     |        |       |        | Ovalue |
|-----------------------------|-------|-----|--------|-------|--------|--------|
| 17) Hexachloroethane        | 8.99  | 117 | 377280 | 24.00 | ng/ul# | 1      |
| 20) Nitrobenzene            | 9.06  | 77  | 68011  | 1.52  | ng/ul# | 9      |
| 33) 4-Chloro-3-methylphenol | 12.01 | 107 | 213872 | 4.59  | ng/ul# | 22     |
| 42) 2-Nitroaniline          | 13.59 | 65  | 39111  | 1.65  | ng/ul# | 39     |
| 49) Acenaphthene            | 14.57 | 153 | 186529 | 1.69  | ng/ul  | 99     |
| 54) 2,4-Dinitrotoluene      | 14.86 | 165 | 41921  | 1.25  | ng/ul# | 62     |
| 58) Fluorene                | 15.55 | 166 | 169642 | 1.23  | ng/ul# | 93     |
| 68) Pentachlorophenol       | 16.90 | 266 | 159488 | 5.73  | ng/ul  | 98     |

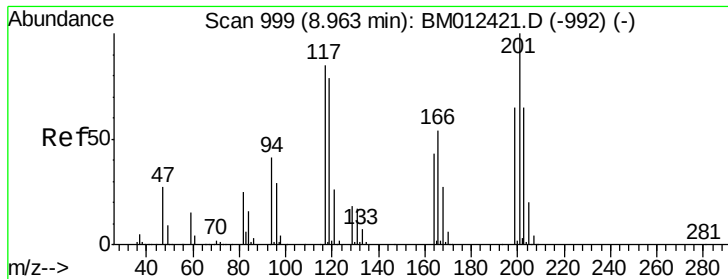
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#17

Hexachloroethane

Concen: 24.00 ng/ul

RT: 8.99 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

Instrument :

BNA\_M

ClientSampleId :

TWP-B-67

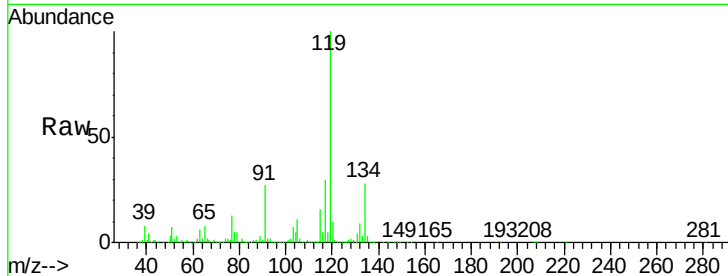
Tot Ion:117 Resp: 377280

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

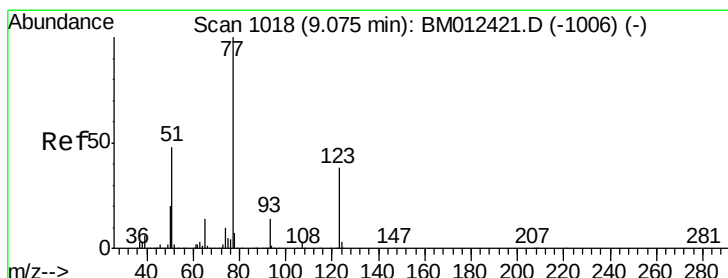
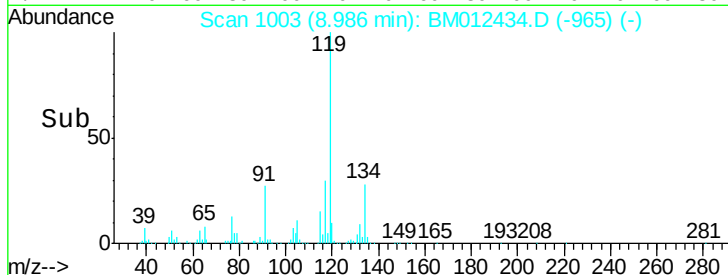
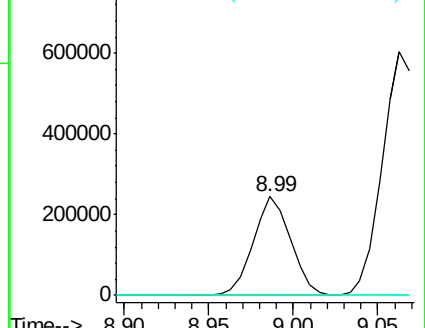
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 1.52 ng/ul

RT: 9.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

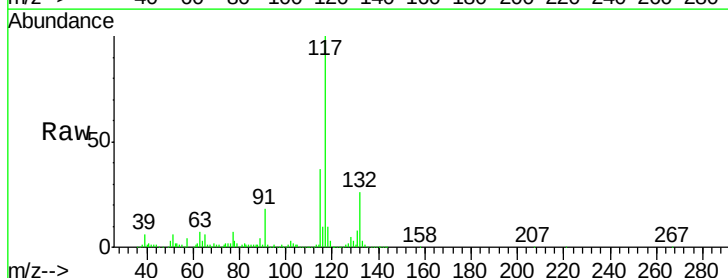
Tgt Ion: 77 Resp: 68011

Ion Ratio Lower Upper

77 100

123 2.1 31.0 46.6#

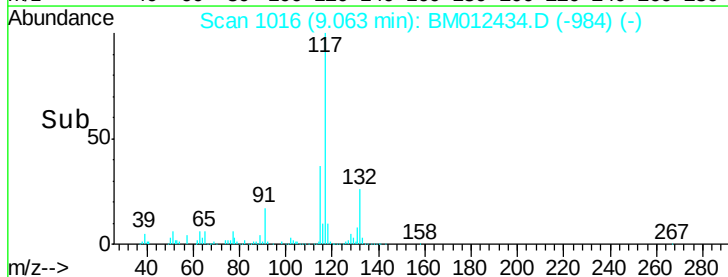
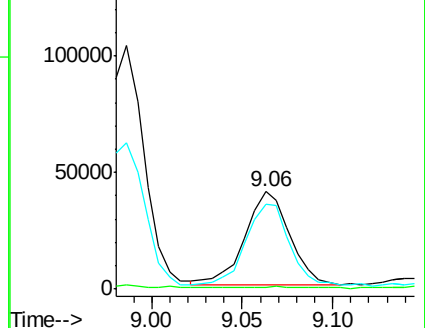
65 86.6 12.2 18.2#

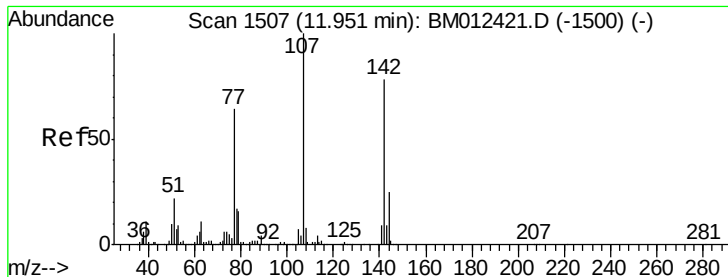


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

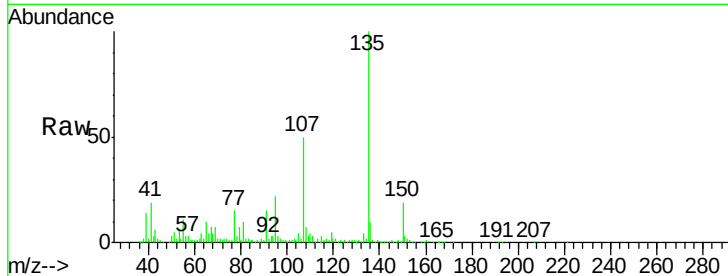




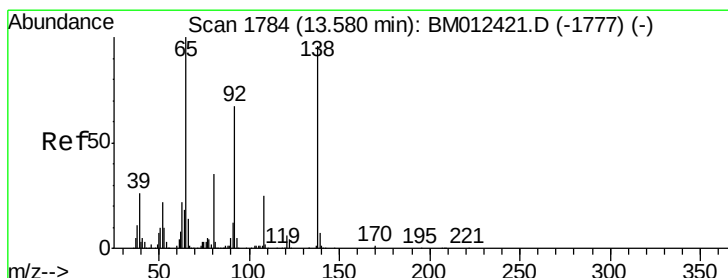
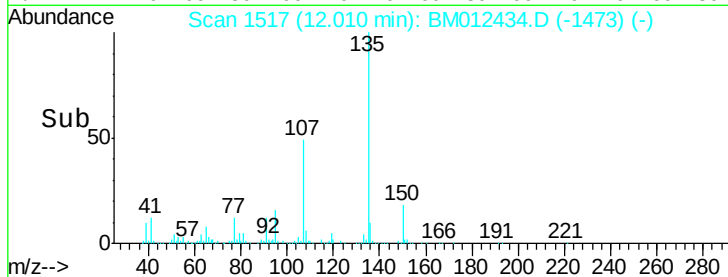
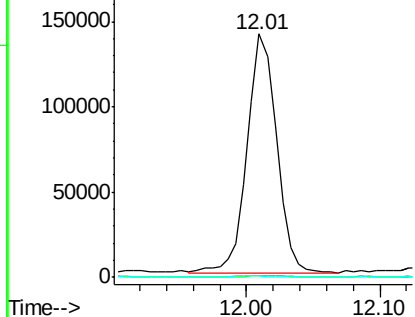
#33  
 4-Chloro-3-methylphenol  
 Concen: 4.59 ng/ul  
 RT: 12.01 min Scan# 1517  
 Delta R.T. 0.06 min  
 Lab File: BM012434.D  
 Acq: 25 Oct 2017 01:27

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Tot Ion: 107 Resp: 213872  
 Ion Ratio Lower Upper  
 107 100  
 144 0.5 20.4 30.6#  
 142 0.6 60.5 90.7#

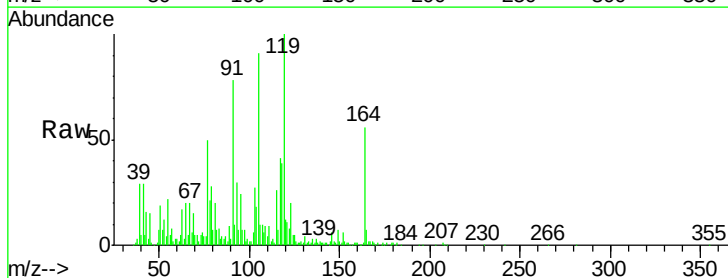


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

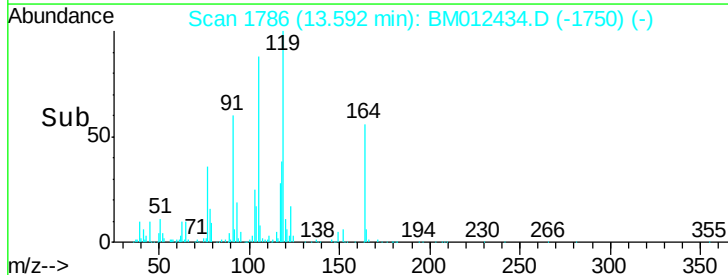
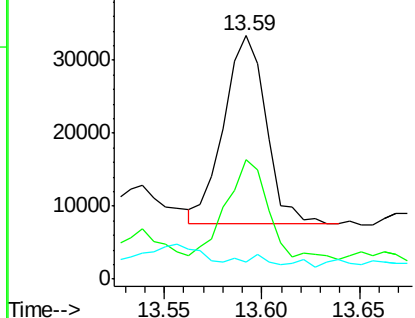


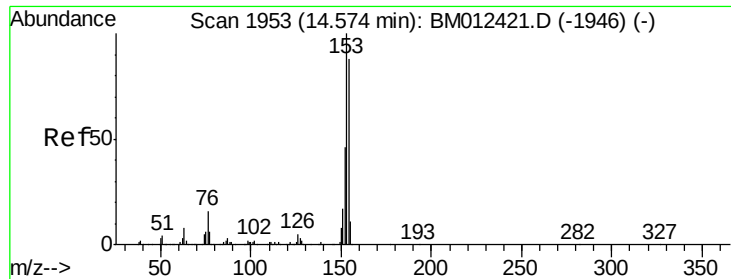
#42  
 2-Nitroaniline  
 Concen: 1.65 ng/ul  
 RT: 13.59 min Scan# 1786  
 Delta R.T. 0.01 min  
 Lab File: BM012434.D  
 Acq: 25 Oct 2017 01:27

Tgt Ion: 65 Resp: 39111  
 Ion Ratio Lower Upper  
 65 100  
 92 49.0 51.8 77.6#  
 138 6.9 74.2 111.4#



Abundance Ion 65.00 (64.70 to 65.70): BM0  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthene

Concen: 1.69 ng/ul

RT: 14.57 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

Instrument :

BNA\_M

ClientSampleId :

TWP-B-67

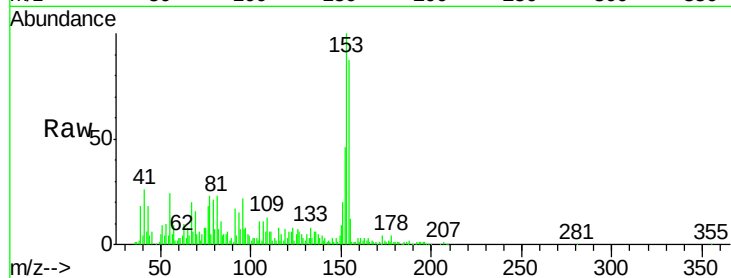
Tot Ion:153 Resp: 186529

Ion Ratio Lower Upper

153 100

152 45.8 37.6 56.4

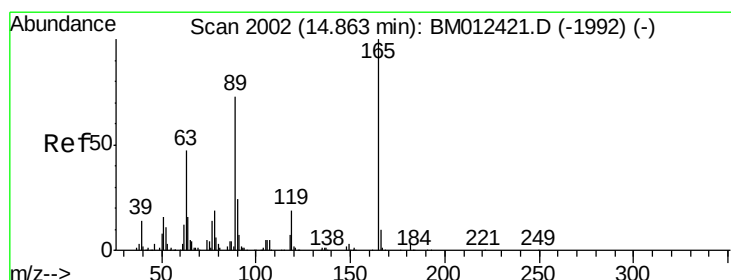
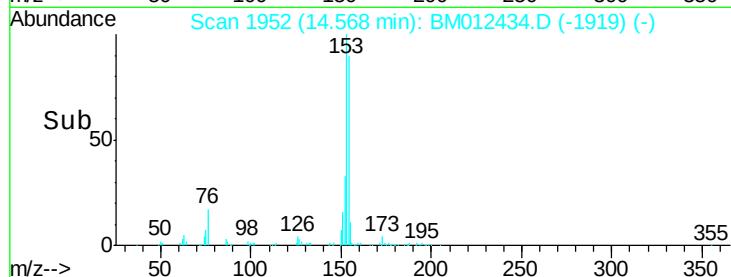
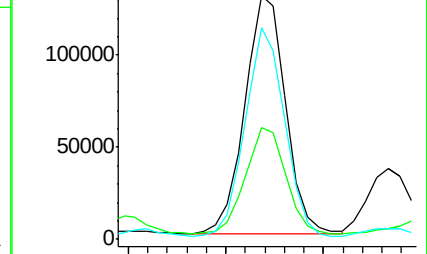
154 87.1 70.4 105.6



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



#54

2,4-Dinitrotoluene

Concen: 1.25 ng/ul

RT: 14.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

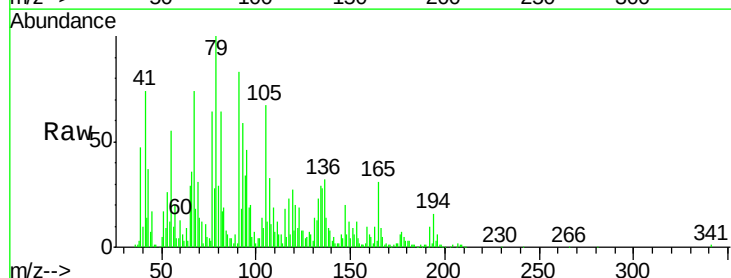
Tgt Ion:165 Resp: 41921

Ion Ratio Lower Upper

165 100

63 27.6 45.8 68.8#

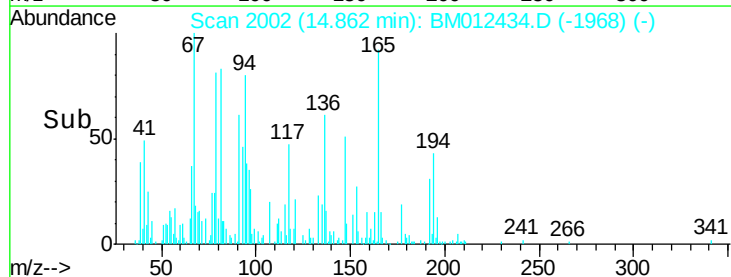
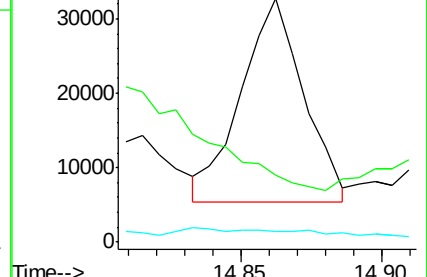
182 4.5 2.6 4.0#

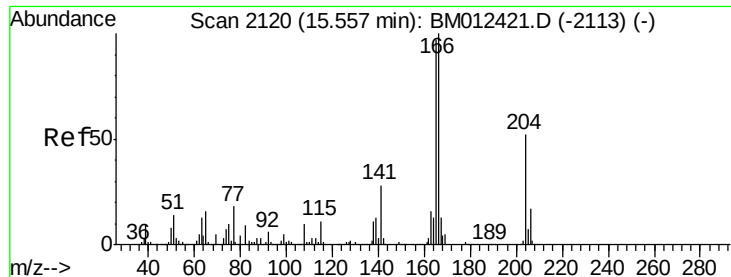


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.23 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

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ClientSampleId :

TWP-B-67

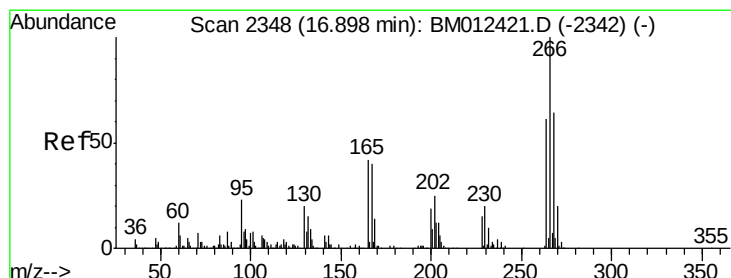
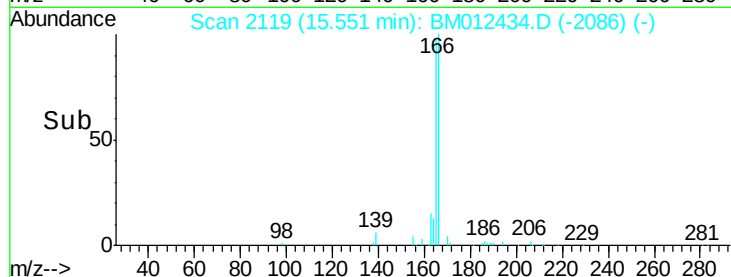
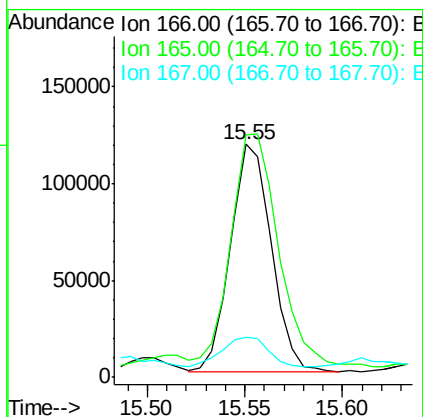
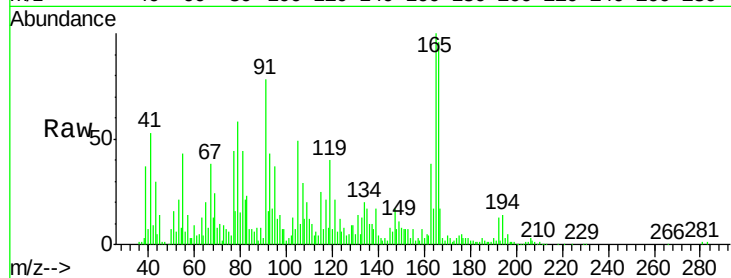
Tot Ion:166 Resp: 169642

Ion Ratio Lower Upper

166 100

165 104.0 77.9 116.9

167 17.3 10.6 16.0#



#68

Pentachlorophenol

Concen: 5.73 ng/ul

RT: 16.90 min Scan# 2348

Delta R.T. -0.00 min

Lab File: BM012434.D

Acq: 25 Oct 2017 01:27

Tgt Ion:266 Resp: 159488

Ion Ratio Lower Upper

266 100

264 63.4 49.3 73.9

268 64.4 52.6 78.8

