

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121416\  
 Data File : BM008325.D  
 Acq On : 15 Dec 2016 01:00  
 Operator : UM/SJ  
 Sample : H5996-16  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA887

Quant Time: Dec 15 03:00:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 15 02:56:44 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 139837   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 541600   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.31 | 164  | 366211   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 692841   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 861990   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 869421   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 6604    | 2.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 77827   | 7.17  | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 205393  | 32.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 222978  | 27.32 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 148150  | 17.63 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 140623  | 35.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 156348  | 36.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.09 | 165 | 261642  | 32.92 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 28869   | 3.17  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 860077  | 35.33 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 1034638 | 35.96 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 285     | 0.08  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 734215  | 34.70 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 131149  | 31.80 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 1120561 | 37.12 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 1301721 | 39.10 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.35 | 264 | 1305384 | 35.76 | ng/ul | 0.00 |

## Target Compounds

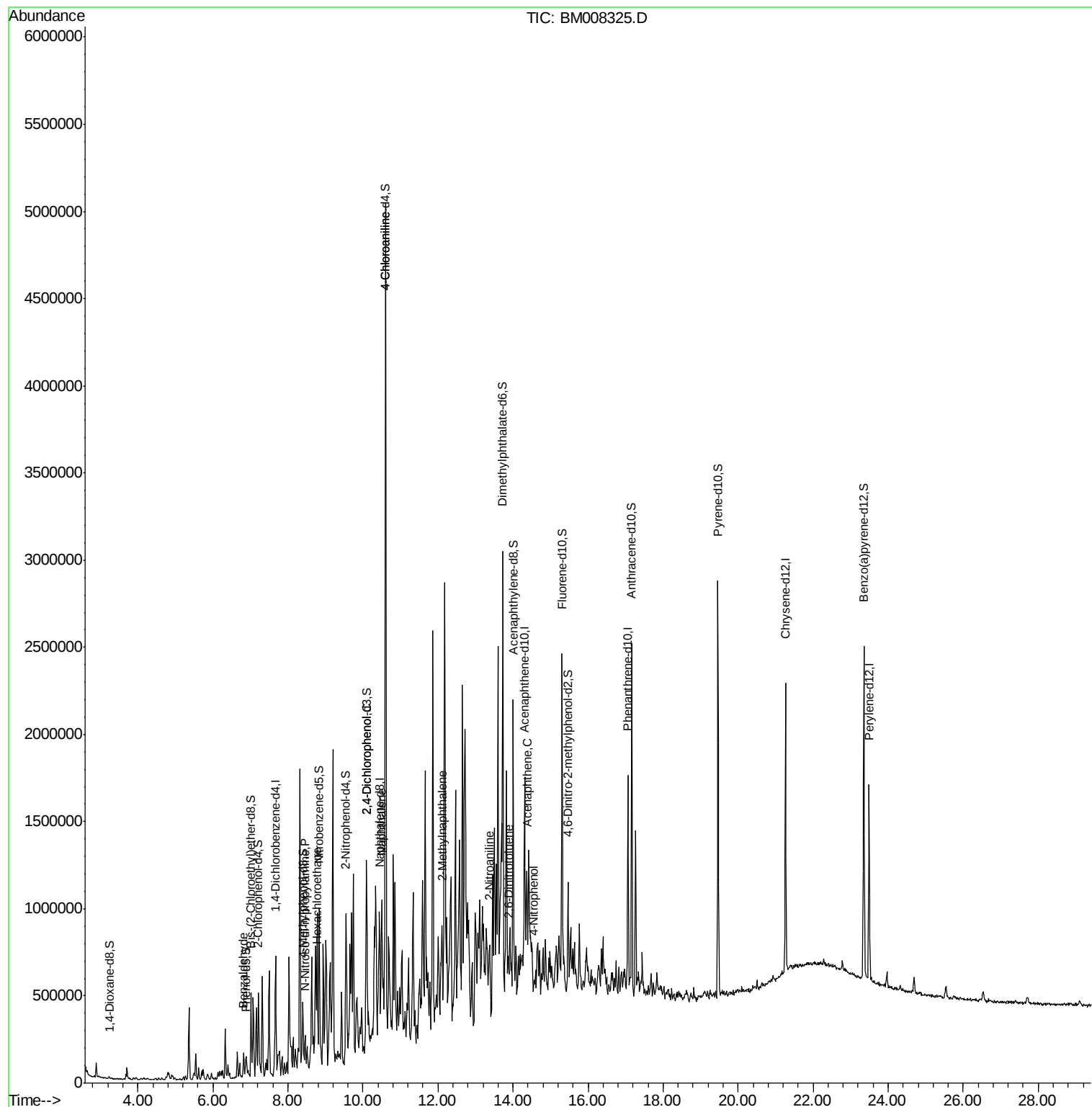
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 4) Benzaldehyde                | 6.82  | 77  | 11662  | 1.62  | ng/ul# | 1      |
| 15) N-Nitroso-di-n-propylamine | 8.46  | 70  | 13566  | 1.92  | ng/ul# | 55     |
| 17) Hexachloroethane           | 8.76  | 117 | 19728  | 5.25  | ng/ul# | 3      |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 66000  | 8.24  | ng/ul# | 42     |
| 28) Naphthalene                | 10.49 | 128 | 391982 | 15.29 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.61 | 127 | 30293  | 3.30  | ng/ul# | 48     |
| 34) 2-Methylnaphthalene        | 12.11 | 142 | 88762  | 4.79  | ng/ul  | 100    |
| 42) 2-Nitroaniline             | 13.37 | 65  | 14032  | 2.53  | ng/ul# | 33     |
| 45) 2,6-Dinitrotoluene         | 13.89 | 165 | 5864   | 1.26  | ng/ul# | 1      |
| 49) Acenaphthene               | 14.37 | 153 | 21392  | 1.06  | ng/ul# | 74     |
| 52) 4-Nitrophenol              | 14.55 | 109 | 7496   | 2.18  | ng/ul# | 47     |

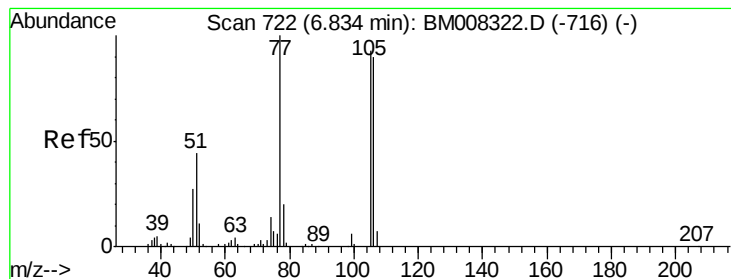
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 15 02:56:44 2016  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.62 ng/ul

RT: 6.82 min Scan# 719

Delta R.T. -0.02 min

Lab File: BM008325.D

Acq: 15 Dec 2016 01:00

Instrument :

BNA\_M

ClientSampleId :

DA887

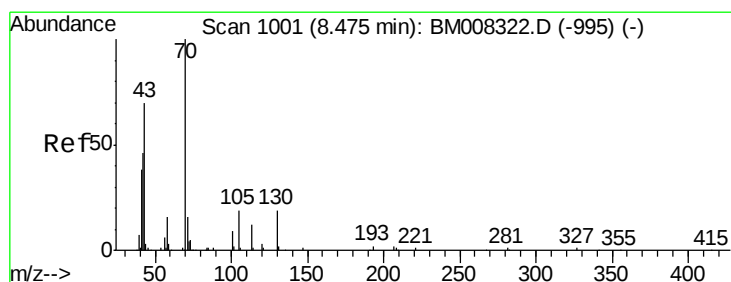
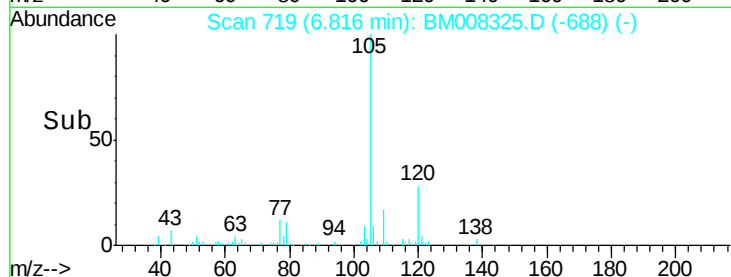
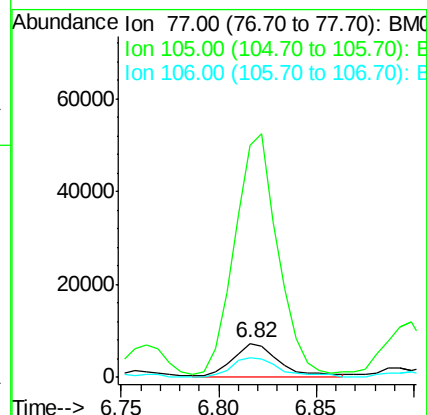
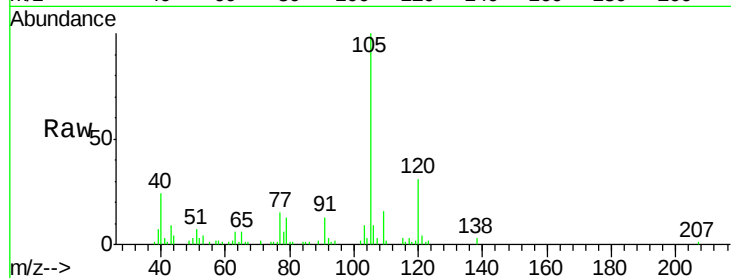
Tgt Ion: 77 Resp: 11662

Ion Ratio Lower Upper

77 100

105 686.4 70.2 105.4#

106 58.3 66.6 99.8#



#15

N-Nitroso-di-n-propylamine

Concen: 1.92 ng/ul

RT: 8.46 min Scan# 998

Delta R.T. -0.02 min

Lab File: BM008325.D

Acq: 15 Dec 2016 01:00

Tgt Ion: 70 Resp: 13566

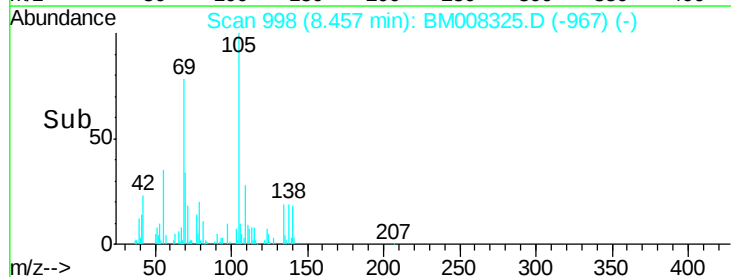
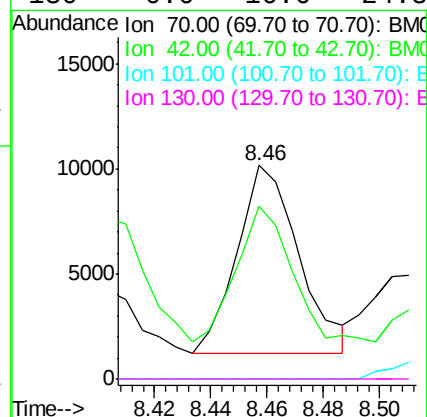
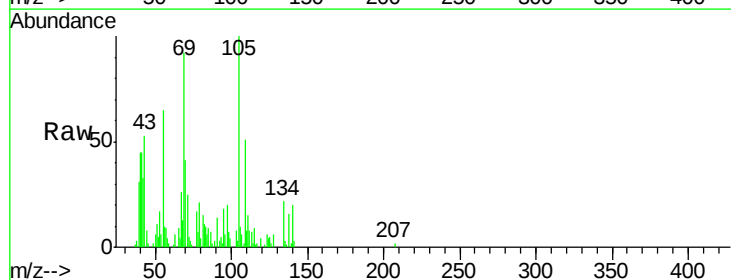
Ion Ratio Lower Upper

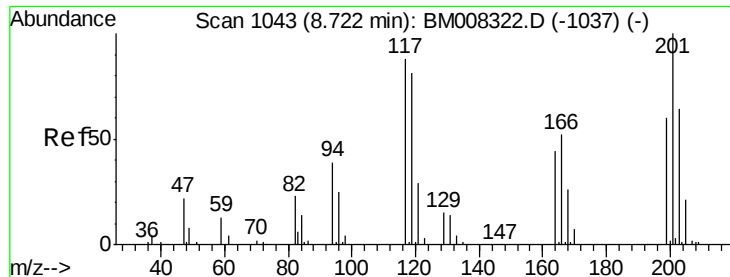
70 100

42 81.1 38.6 57.8#

101 0.0 8.2 12.4#

130 0.0 16.6 24.8#





#17

Hexachloroethane

Concen: 5.25 ng/ul

RT: 8.76 min Scan# 1049

Delta R.T. 0.04 min

Lab File: BM008325.D

Acq: 15 Dec 2016 01:00

Instrument :

BNA\_M

ClientSampleId :

DA887

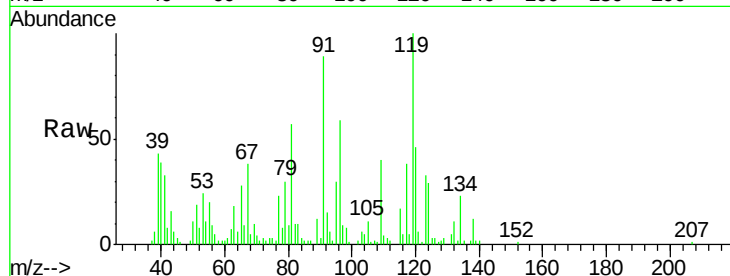
Tgt Ion:117 Resp: 19728

Ion Ratio Lower Upper

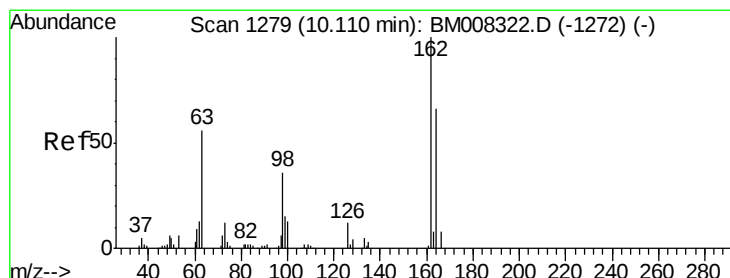
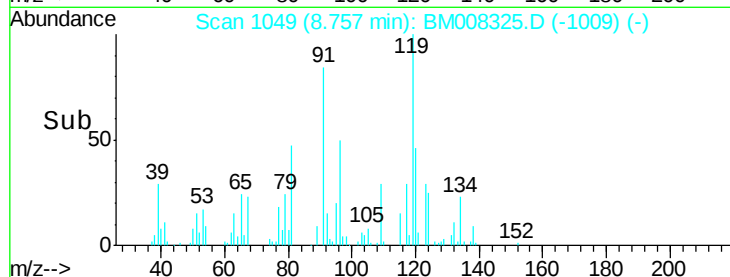
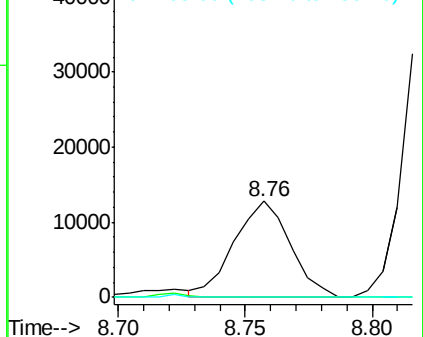
117 100

201 0.0 88.1 132.1#

199 0.0 54.9 82.3#



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



#27

2,4-Dichlorophenol

Concen: 8.24 ng/ul

RT: 10.10 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BM008325.D

Acq: 15 Dec 2016 01:00

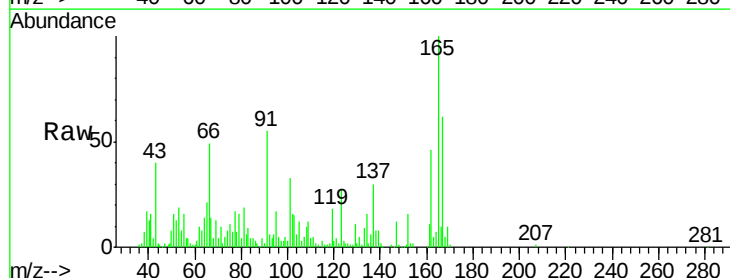
Tgt Ion:162 Resp: 66000

Ion Ratio Lower Upper

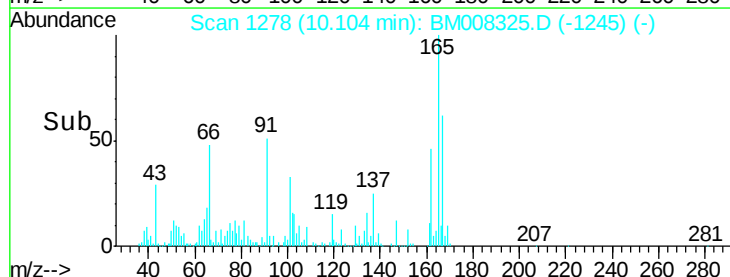
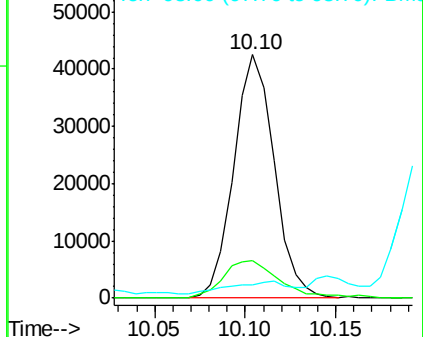
162 100

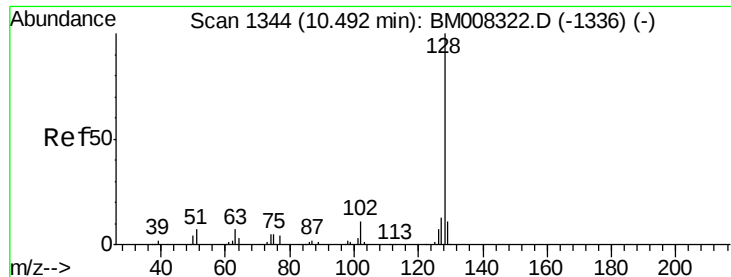
164 15.2 50.4 75.6#

98 5.6 29.1 43.7#



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BMC





#28

Naphthalene

Concen: 15.29 ng/ul

RT: 10.49 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM008325.D

Acq: 15 Dec 2016 01:00

Instrument :

BNA\_M

ClientSampleId :

DA887

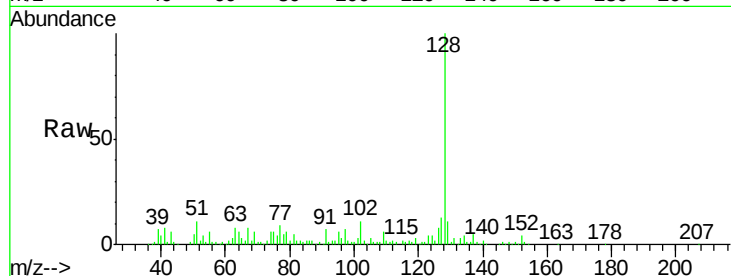
Tgt Ion:128 Resp: 391982

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

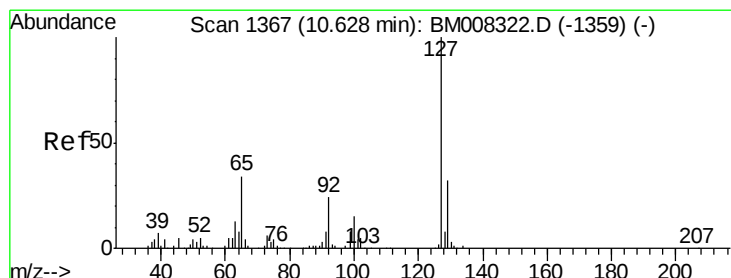
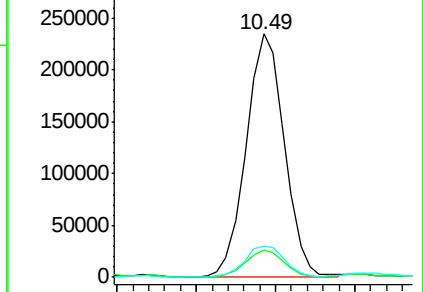
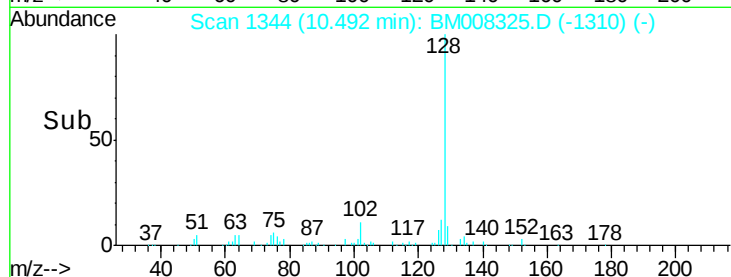
127 12.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 3.30 ng/ul

RT: 10.61 min Scan# 1364

Delta R.T. -0.02 min

Lab File: BM008325.D

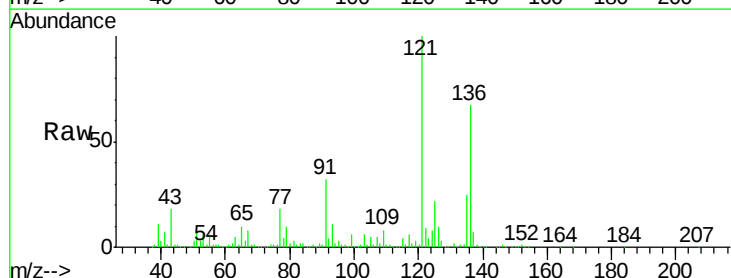
Acq: 15 Dec 2016 01:00

Tgt Ion:127 Resp: 30293

Ion Ratio Lower Upper

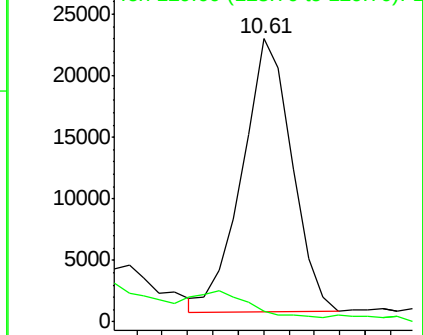
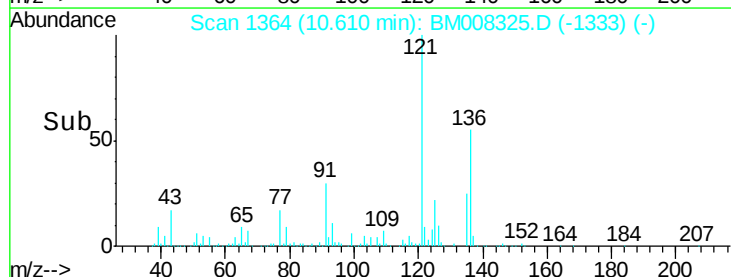
127 100

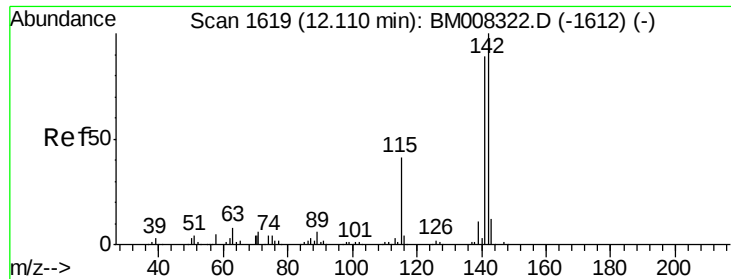
129 3.7 26.8 40.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

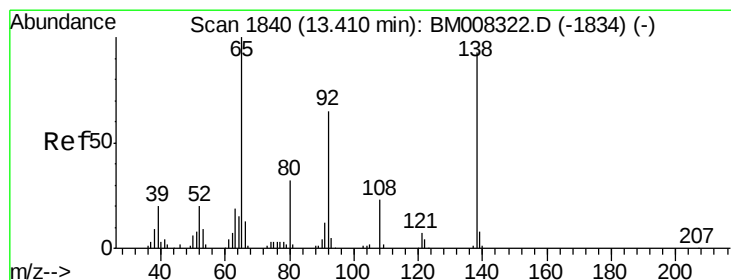
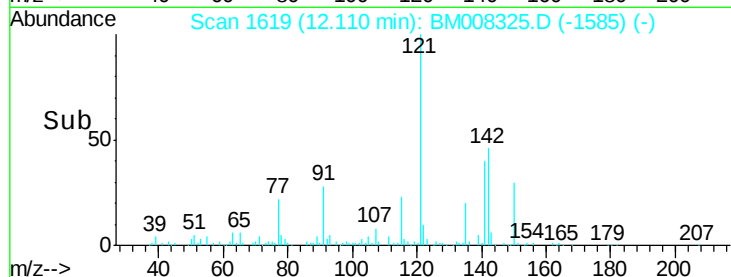
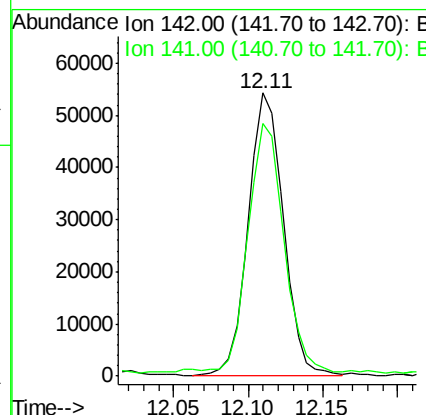
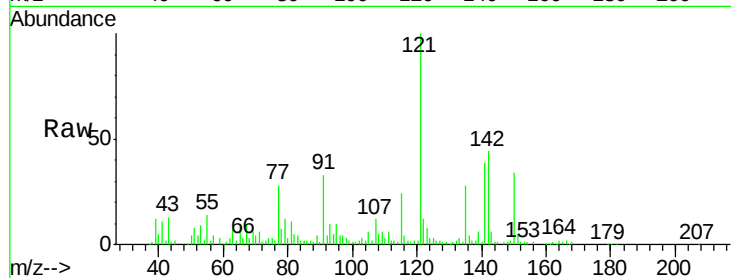




#34  
 2-Methylnaphthalene  
 Concen: 4.79 ng/ul  
 RT: 12.11 min Scan# 1619  
 Delta R.T. 0.00 min  
 Lab File: BM008325.D  
 Acq: 15 Dec 2016 01:00

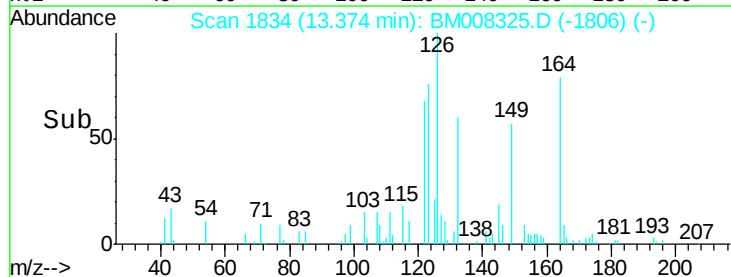
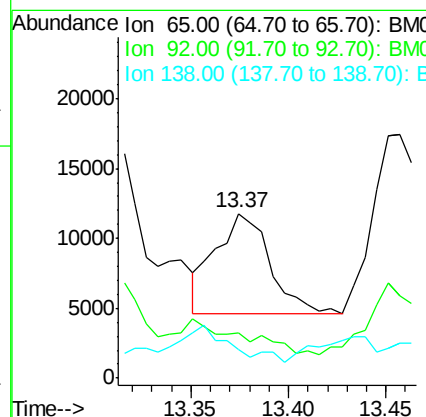
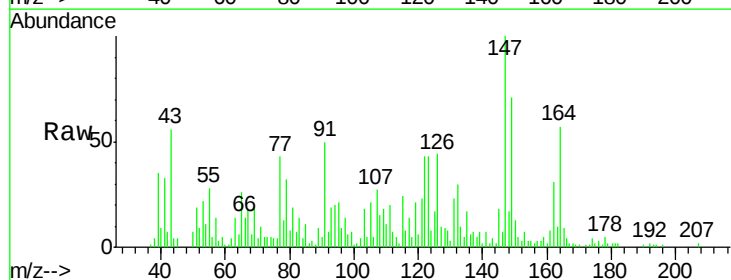
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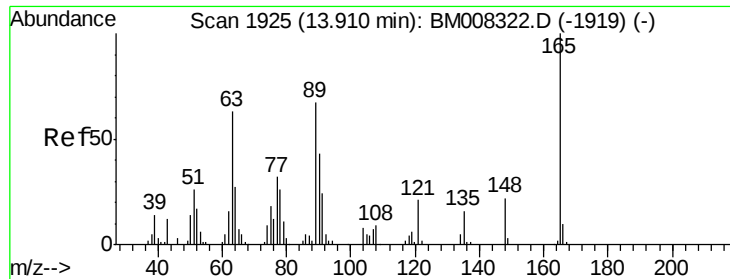
Tgt Ion:142 Resp: 88762  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 71.1 106.7



#42  
 2-Nitroaniline  
 Concen: 2.53 ng/ul  
 RT: 13.37 min Scan# 1834  
 Delta R.T. -0.04 min  
 Lab File: BM008325.D  
 Acq: 15 Dec 2016 01:00

Tgt Ion: 65 Resp: 14032  
 Ion Ratio Lower Upper  
 65 100  
 92 27.2 56.5 84.7#  
 138 17.6 73.8 110.6#

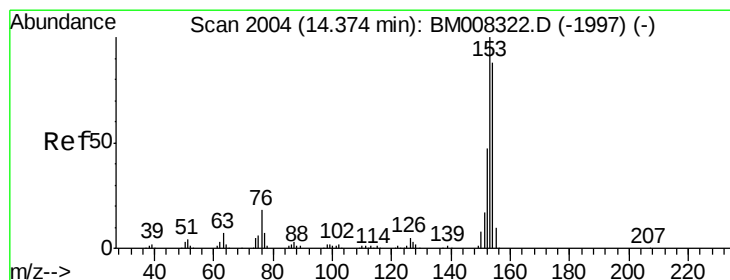
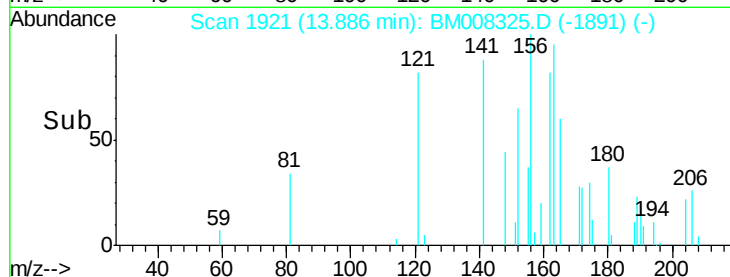
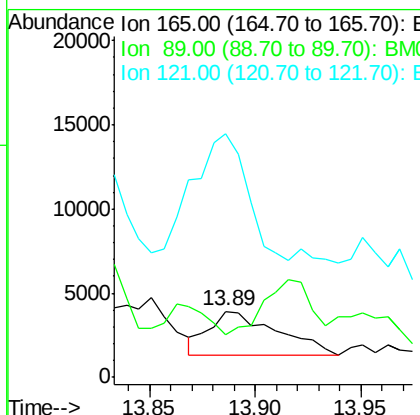
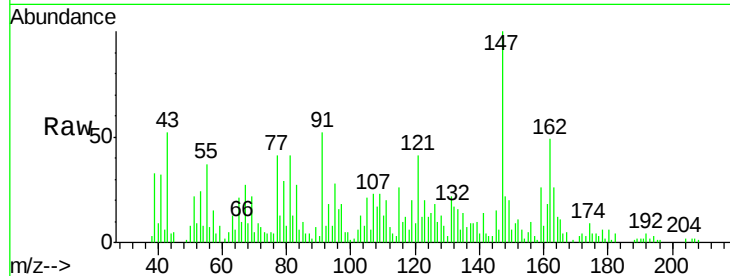




#45  
 2,6-Dinitrotoluene  
 Concen: 1.26 ng/ul  
 RT: 13.89 min Scan# 1921  
 Delta R.T. -0.02 min  
 Lab File: BM008325.D  
 Acq: 15 Dec 2016 01:00

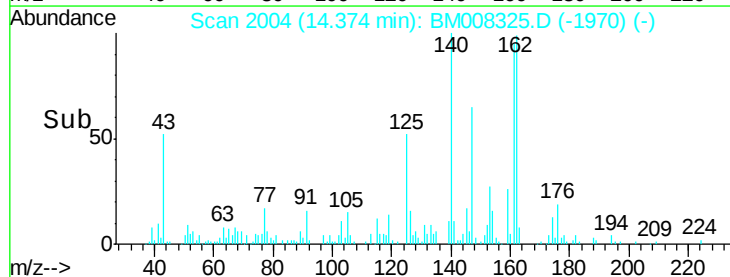
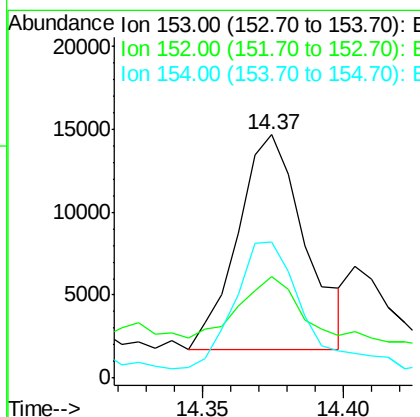
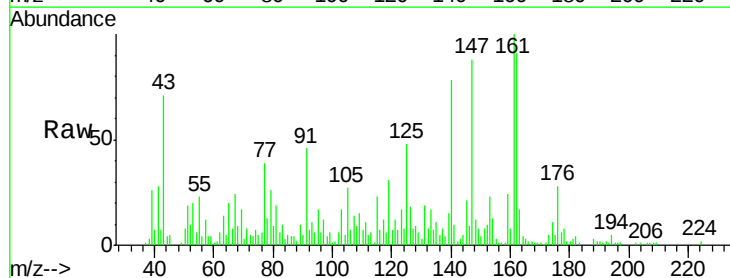
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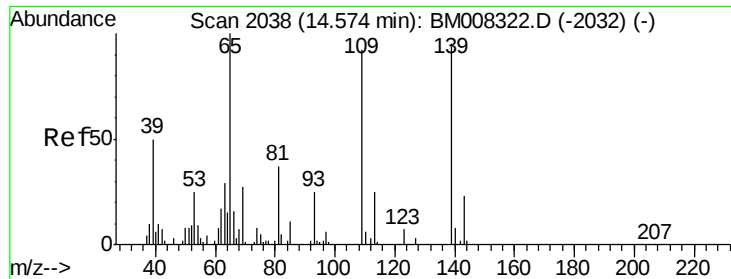
Tgt Ion:165 Resp: 5864  
 Ion Ratio Lower Upper  
 165 100  
 89 64.9 52.0 78.0  
 121 369.9 18.6 27.8#



#49  
 Acenaphthene  
 Concen: 1.06 ng/ul  
 RT: 14.37 min Scan# 2004  
 Delta R.T. 0.00 min  
 Lab File: BM008325.D  
 Acq: 15 Dec 2016 01:00

Tgt Ion:153 Resp: 21392  
 Ion Ratio Lower Upper  
 153 100  
 152 41.6 36.6 54.8  
 154 56.0 71.4 107.2#





#52  
 4-Nitrophenol  
 Concen: 2.18 ng/ul  
 RT: 14.55 min Scan# 2034  
 Delta R.T. -0.02 min  
 Lab File: BM008325.D  
 Acq: 15 Dec 2016 01:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Tgt Ion:109 Resp: 7496  
 Ion Ratio Lower Upper  
 109 100  
 139 47.5 83.3 124.9#  
 65 61.5 93.0 139.4#

