

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM082916\  
 Data File : BM007308.D  
 Acq On : 29 Aug 2016 13:47  
 Operator : UM/SJ  
 Sample : H4587-09  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA256

Quant Time: Aug 30 05:50:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM082316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 30 02:10:23 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 129704   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.58 | 136  | 648383   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.43 | 164  | 485123   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1333105  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1925456  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.63 | 264  | 2037123  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 15662   | 6.17  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.96  | 99  | 395456  | 32.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 208534  | 32.39 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 289118  | 31.93 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 351535  | 32.90 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 150339  | 31.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 176782  | 31.80 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 361485  | 32.66 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 398056  | 28.83 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 1422014 | 33.98 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 1563747 | 32.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 278006  | 35.19 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.42 | 176 | 1176839 | 32.51 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 295504  | 35.25 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 2107384 | 33.84 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 2704732 | 33.59 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.49 | 264 | 3235372 | 34.48 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |       | Qvalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 6) Phenol                      | 6.99  | 94  | 238672  | 18.78 | ng/ul | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 478996  | 54.11 | ng/ul | 99     |
| 11) 2-Methylphenol             | 8.23  | 108 | 541059  | 54.47 | ng/ul | 100    |
| 15) N-Nitroso-di-n-propylamine | 8.60  | 70  | 481843  | 55.32 | ng/ul | 96     |
| 16) 4-Methylphenol             | 8.56  | 108 | 607559  | 54.52 | ng/ul | 84     |
| 17) Hexachloroethane           | 8.87  | 117 | 132247  | 36.67 | ng/ul | 97     |
| 21) Isophorone                 | 9.52  | 82  | 916043  | 36.78 | ng/ul | 100    |
| 24) 2,4-Dimethylphenol         | 9.76  | 107 | 569811  | 42.75 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93  | 611811  | 43.59 | ng/ul | 100    |
| 27) 2,4-Dichlorophenol         | 10.23 | 162 | 170607  | 15.52 | ng/ul | 95     |
| 28) Naphthalene                | 10.63 | 128 | 700409  | 21.72 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 10.92 | 225 | 413633  | 55.69 | ng/ul | 99     |
| 32) Caprolactam                | 11.49 | 113 | 178525  | 40.32 | ng/ul | 96     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 563577  | 34.89 | ng/ul | 97     |
| 37) Hexachlorocyclopentadiene  | 12.59 | 237 | 323927  | 33.24 | ng/ul | 98     |
| 39) 2,4,5-Trichlorophenol      | 12.93 | 196 | 443500  | 37.24 | ng/ul | 98     |
| 41) 2-Chloronaphthalene        | 13.30 | 162 | 535543  | 18.15 | ng/ul | 98     |
| 44) Dimethylphthalate          | 13.89 | 163 | 814119  | 19.53 | ng/ul | 99     |
| 47) Acenaphthylene             | 14.15 | 152 | 1024549 | 20.53 | ng/ul | 98     |
| 48) 3-Nitroaniline             | 14.34 | 138 | 470015  | 54.04 | ng/ul | 96     |
| 49) Acenaphthene               | 14.49 | 153 | 1014281 | 31.23 | ng/ul | 99     |
| 50) 2,4-Dinitrophenol          | 14.55 | 184 | 274826  | 47.56 | ng/ul | 86     |
| 53) Dibenzofuran               | 14.83 | 168 | 875473  | 18.01 | ng/ul | 96     |

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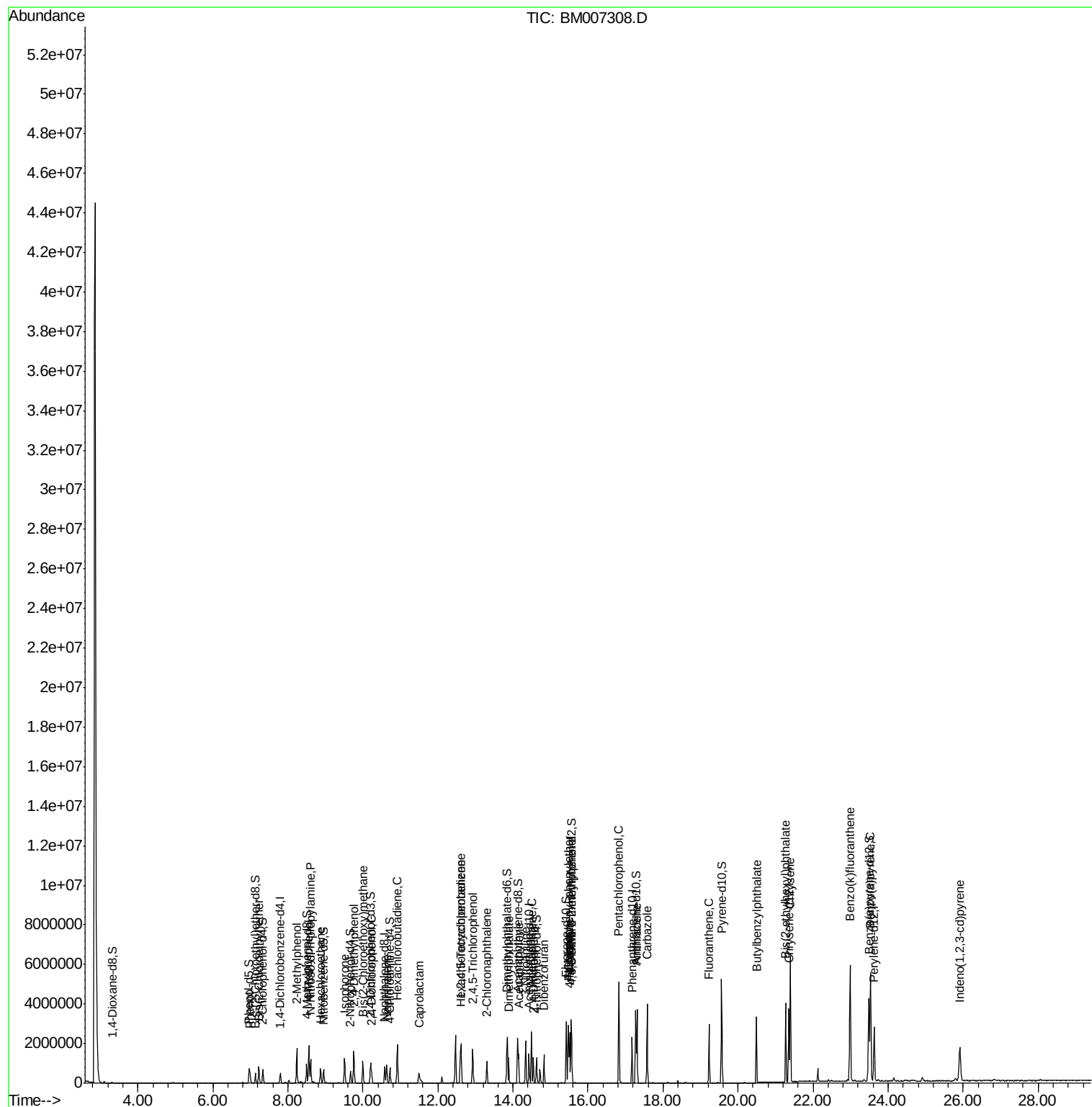
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 58) Fluorene                   | 15.47 | 166  | 305075   | 7.62  | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204  | 631817   | 30.19 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.51 | 138  | 603623   | 61.16 | ng/ul  | 87       |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198  | 629668   | 70.38 | ng/ul# | 97       |
| 68) Pentachlorophenol          | 16.82 | 266  | 873256   | 80.28 | ng/ul  | 99       |
| 71) Anthracene                 | 17.30 | 178  | 2293416  | 31.04 | ng/ul  | 99       |
| 72) Carbazole                  | 17.57 | 167  | 2498265  | 38.91 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.23 | 202  | 1808271  | 20.13 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.49 | 149  | 933477   | 21.72 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 1368823  | 21.96 | ng/ul  | 100      |
| 82) Chrysene                   | 21.39 | 228  | 3303588  | 32.13 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.99 | 252  | 4524450  | 40.64 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.53 | 252  | 4360176  | 37.83 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 2117526  | 14.97 | ng/ul# | 94       |

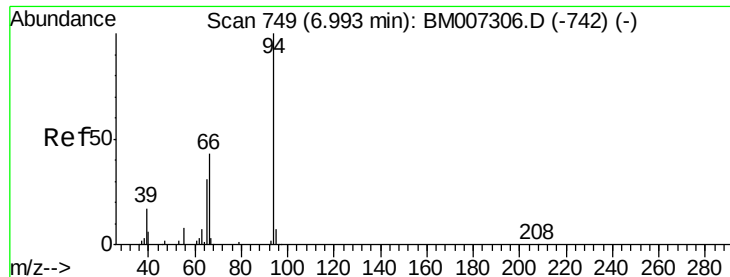
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 18.78 ng/ul

RT: 6.99 min Scan# 749

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

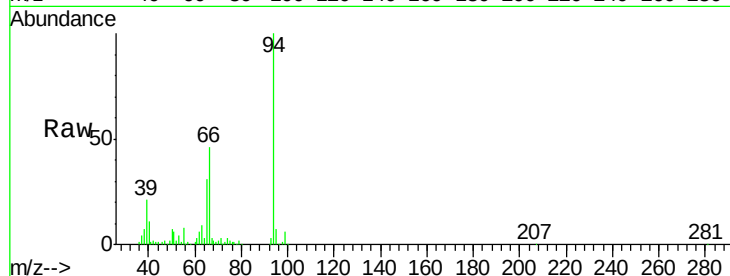
Tgt Ion: 94 Resp: 238672

Ion Ratio Lower Upper

94 100

65 31.2 23.9 35.9

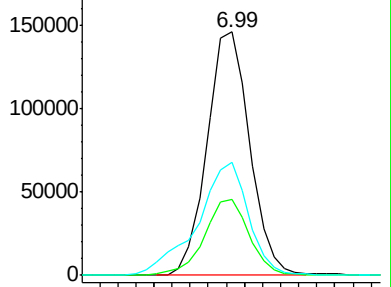
66 46.3 33.5 50.3



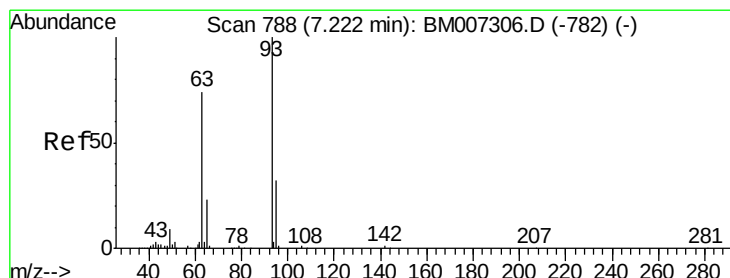
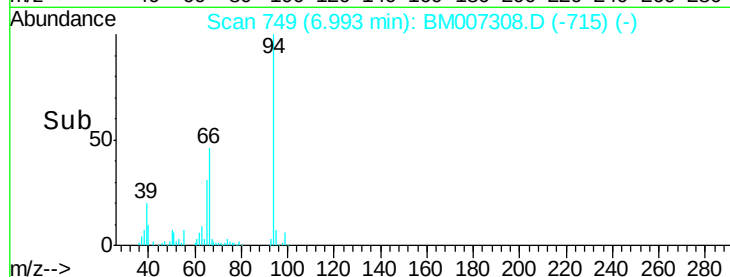
Abundance Ion 94.00 (93.70 to 94.70): BM007308.D (-742) (-)

Ion 65.00 (64.70 to 65.70): BM007308.D (-742) (-)

Ion 66.00 (65.70 to 66.70): BM007308.D (-742) (-)



Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 54.11 ng/ul

RT: 7.23 min Scan# 789

Delta R.T. 0.01 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

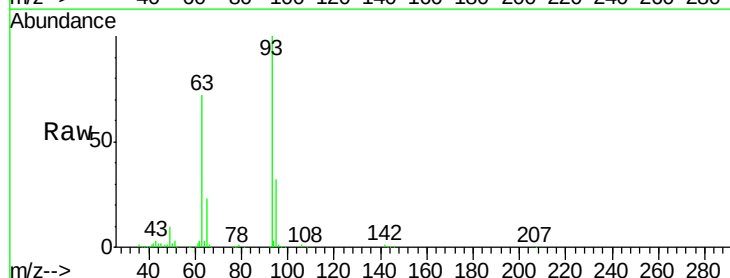
Tgt Ion: 93 Resp: 478996

Ion Ratio Lower Upper

93 100

63 72.4 57.3 85.9

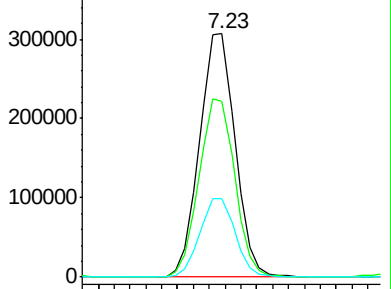
95 32.2 25.1 37.7



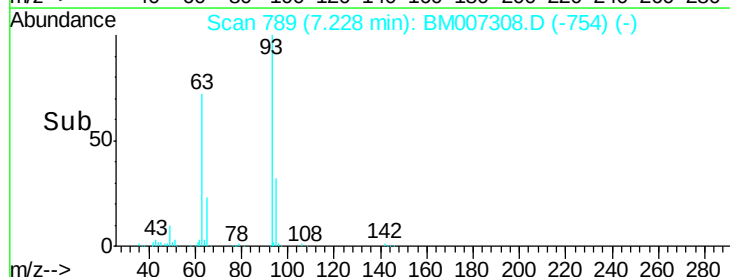
Abundance Ion 93.00 (92.70 to 93.70): BM007308.D (-782) (-)

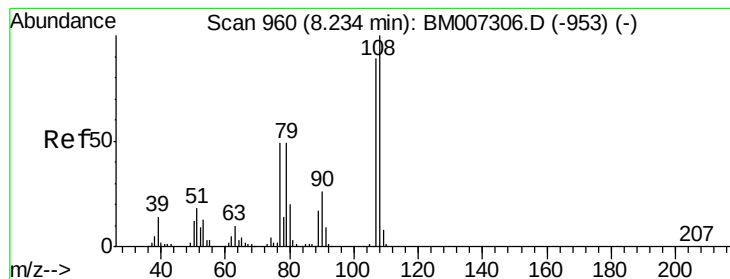
Ion 63.00 (62.70 to 63.70): BM007308.D (-782) (-)

Ion 95.00 (94.70 to 95.70): BM007308.D (-782) (-)



Time-->





#11

2-Methylphenol

Concen: 54.47 ng/ul

RT: 8.23 min Scan# 960

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

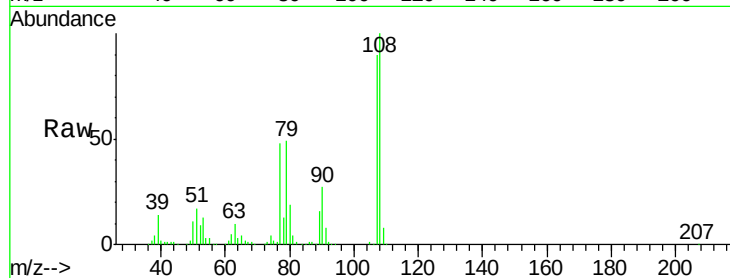
DA256

Tgt Ion:108 Resp: 541059

Ion Ratio Lower Upper

108 100

107 89.7 71.8 107.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.23

400000

300000

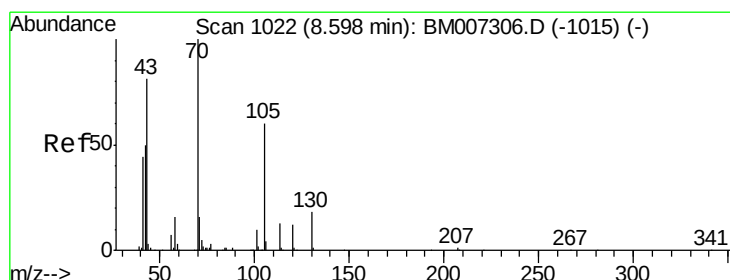
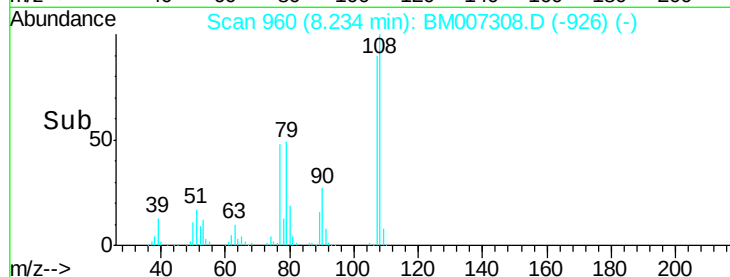
200000

100000

0

Time-->

8.15 8.20 8.25 8.30 8.35



#15

N-Nitroso-di-n-propylamine

Concen: 55.32 ng/ul

RT: 8.60 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Tgt Ion: 70 Resp: 481843

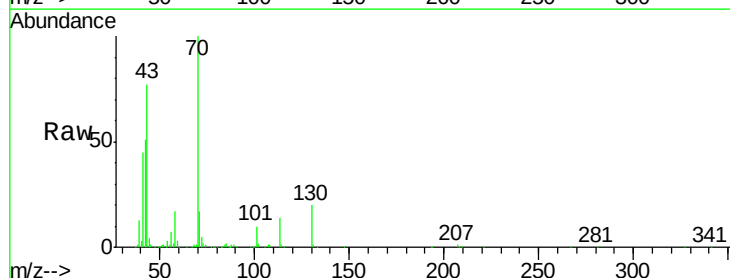
Ion Ratio Lower Upper

70 100

42 50.5 43.4 65.2

101 10.1 7.8 11.6

130 20.2 16.2 24.4



Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

8.60

400000

300000

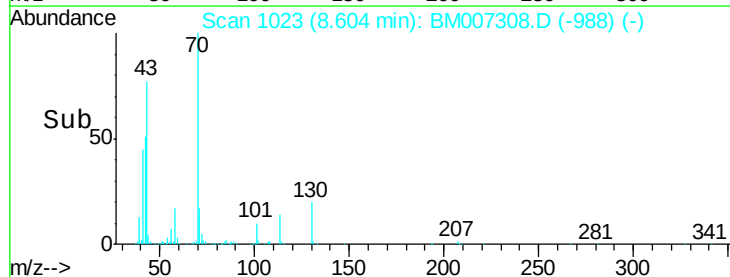
200000

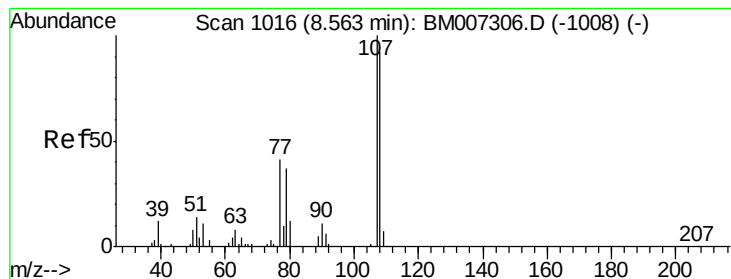
100000

0

Time-->

8.55 8.60 8.65





#16

4-Methylphenol

Concen: 54.52 ng/ul

RT: 8.56 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampled :

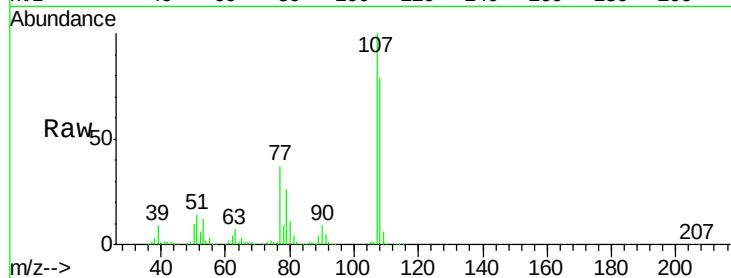
DA256

Tgt Ion:108 Resp: 607559

Ion Ratio Lower Upper

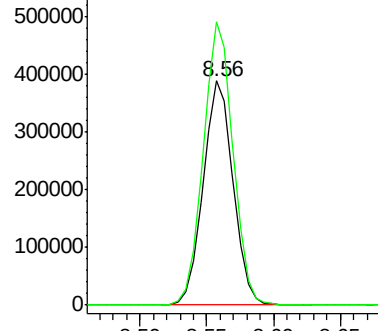
108 100

107 126.3 87.8 131.8

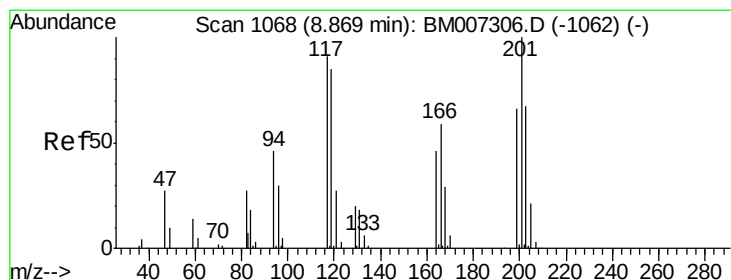
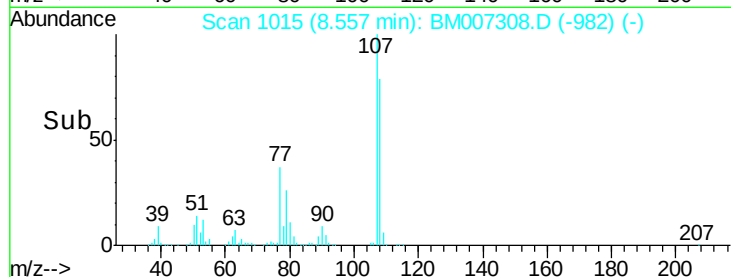


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



Time-->



#17

Hexachloroethane

Concen: 36.67 ng/ul

RT: 8.87 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

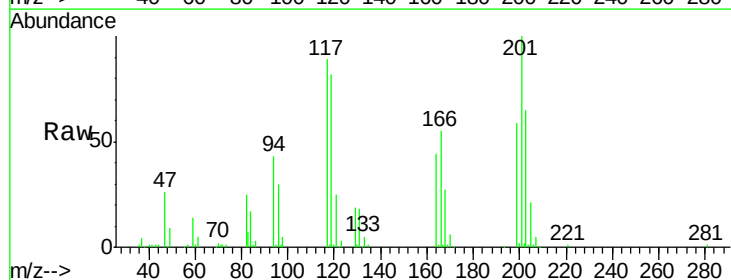
Tgt Ion:117 Resp: 132247

Ion Ratio Lower Upper

117 100

201 112.9 90.3 135.5

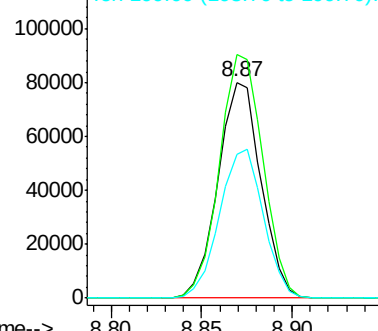
199 66.4 58.5 87.7



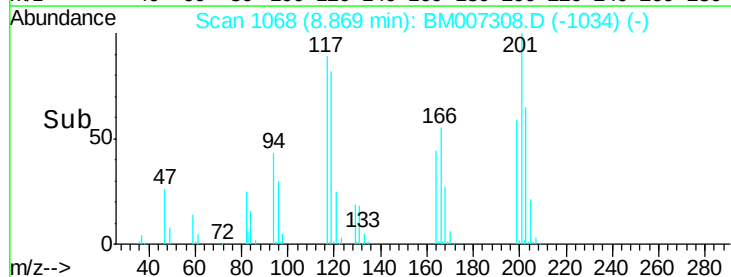
Abundance Ion 117.00 (116.70 to 117.70): E

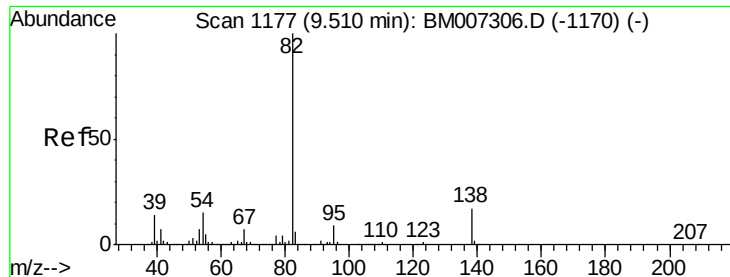
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



Time-->





#21

Isophorone

Concen: 36.78 ng/ul

RT: 9.52 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

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DA256

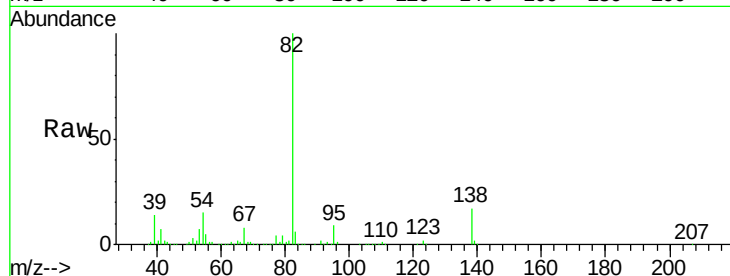
Tgt Ion: 82 Resp: 916043

Ion Ratio Lower Upper

82 100

95 8.9 6.9 10.3

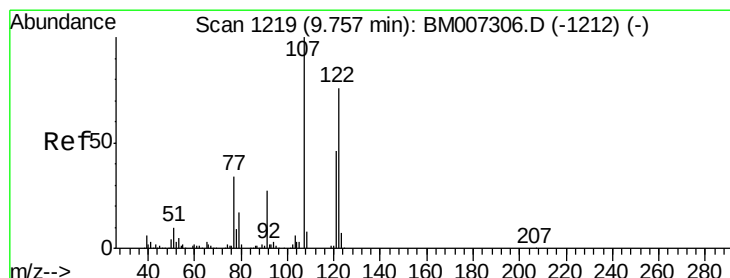
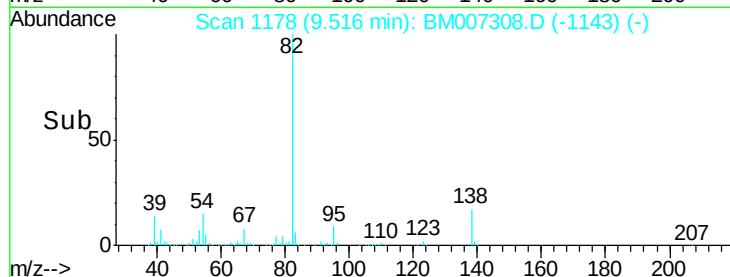
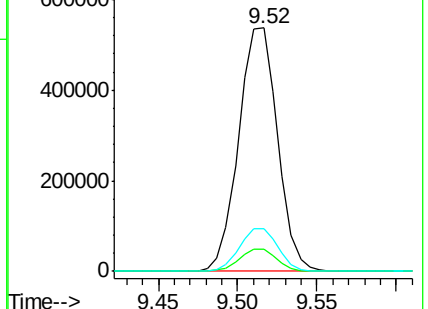
138 17.4 13.8 20.8



Abundance Ion 82.00 (81.70 to 82.70): BM007308.D (-1170) (-)

Ion 95.00 (94.70 to 95.70): BM007308.D (-1170) (-)

Ion 138.00 (137.70 to 138.70): BM007308.D (-1170) (-)



#24

2,4-Dimethylphenol

Concen: 42.75 ng/ul

RT: 9.76 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

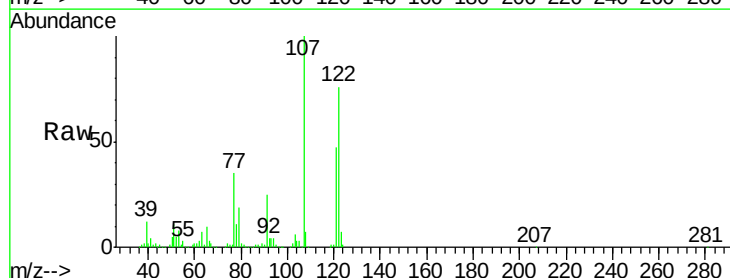
Tgt Ion: 107 Resp: 569811

Ion Ratio Lower Upper

107 100

121 46.5 37.1 55.7

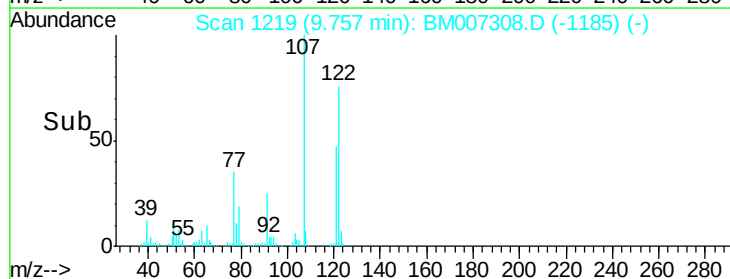
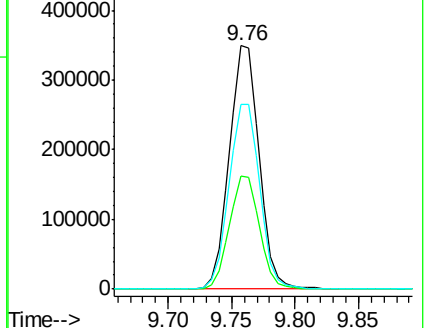
122 76.1 62.8 94.2

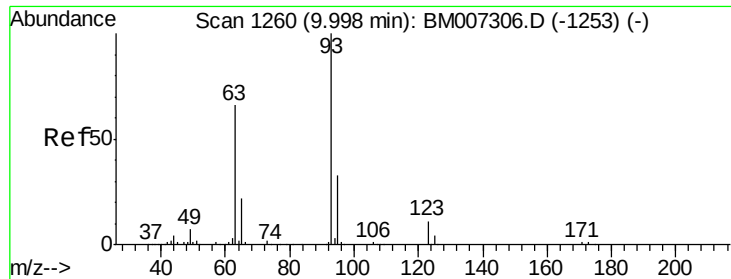


Abundance Ion 107.00 (106.70 to 107.70): BM007308.D (-1185) (-)

Ion 121.00 (120.70 to 121.70): BM007308.D (-1185) (-)

Ion 122.00 (121.70 to 122.70): BM007308.D (-1185) (-)





#25

Bis(2-Chloroethoxy)methane

Concen: 43.59 ng/ul

RT: 10.00 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

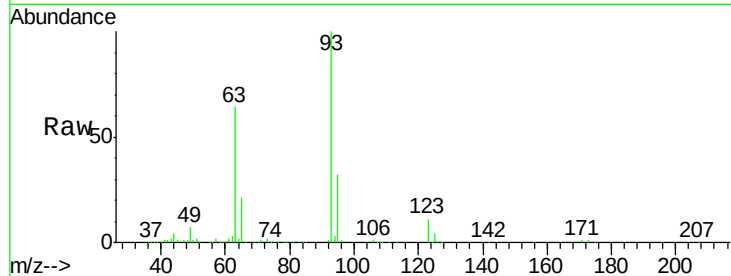
Tgt Ion: 93 Resp: 611811

Ion Ratio Lower Upper

93 100

95 31.8 25.4 38.0

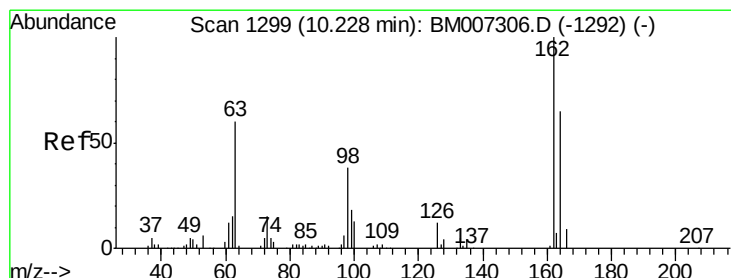
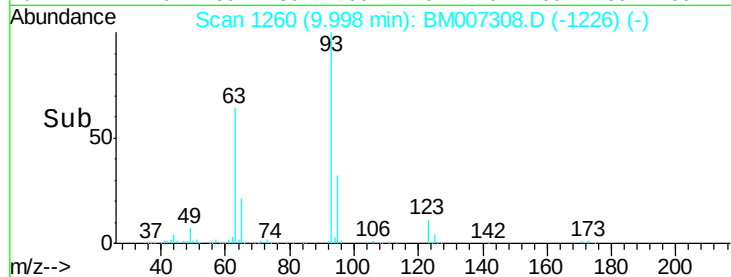
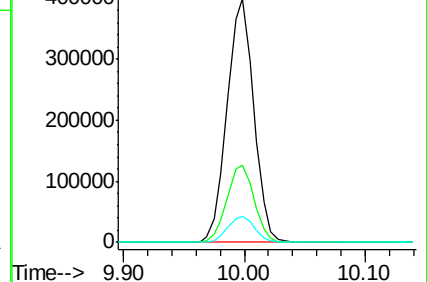
123 10.8 8.3 12.5



Abundance Ion 93.00 (92.70 to 93.70): BM007308.D (-1253) (-)

Ion 95.00 (94.70 to 95.70): BM007308.D (-1253) (-)

Ion 123.00 (122.70 to 123.70): BM007308.D (-1253) (-)



#27

2,4-Dichlorophenol

Concen: 15.52 ng/ul

RT: 10.23 min Scan# 1299

Delta R.T. 0.00 min

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Acq: 29 Aug 2016 13:47

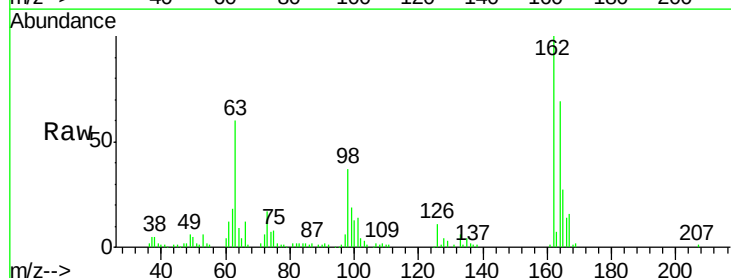
Tgt Ion: 162 Resp: 170607

Ion Ratio Lower Upper

162 100

164 69.3 51.6 77.4

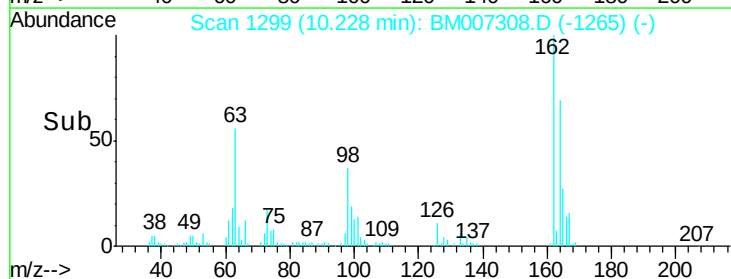
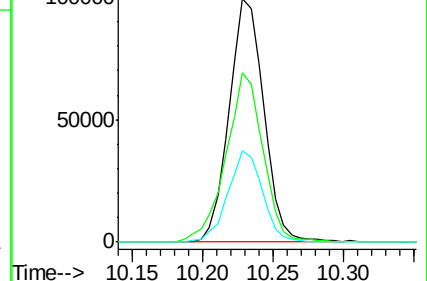
98 37.4 28.4 42.6



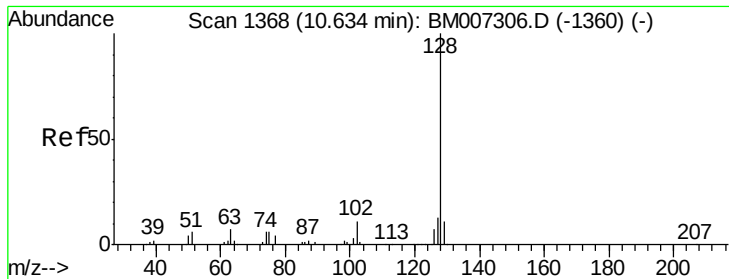
Abundance Ion 162.00 (161.70 to 162.70): BM007308.D (-1292) (-)

Ion 164.00 (163.70 to 164.70): BM007308.D (-1292) (-)

Ion 98.00 (97.70 to 98.70): BM007308.D (-1292) (-)



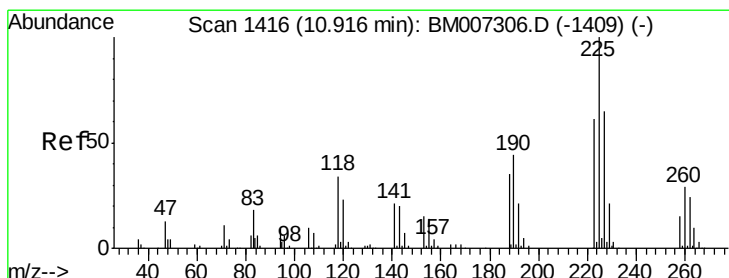
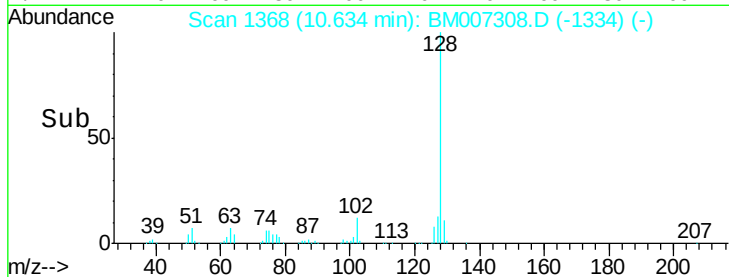
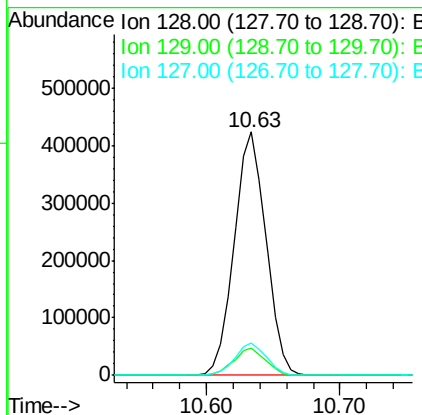
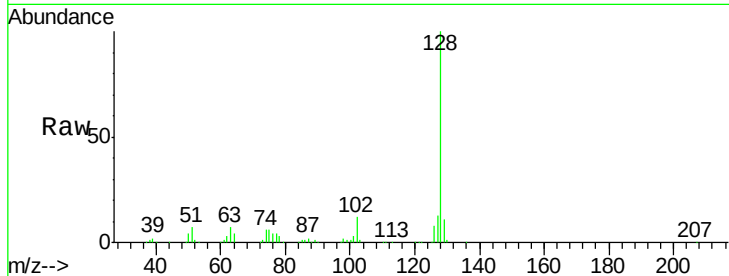




#28  
Naphthalene  
Concen: 21.72 ng/ul  
RT: 10.63 min Scan# 1368  
Delta R.T. 0.00 min  
Lab File: BM007308.D  
Acq: 29 Aug 2016 13:47

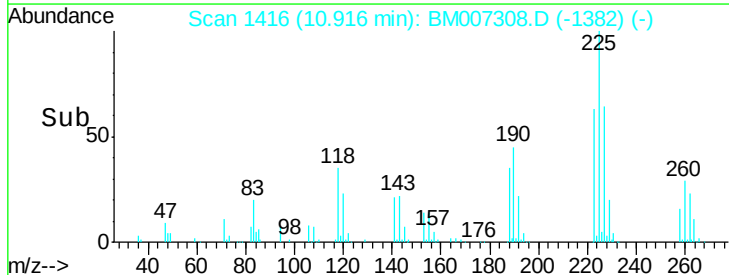
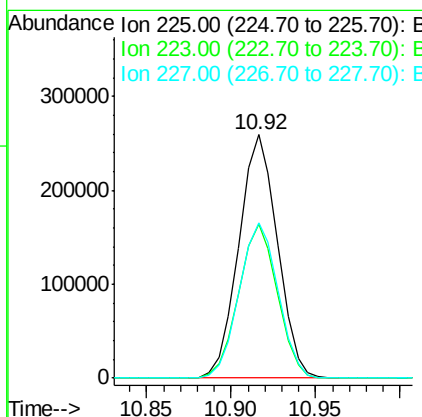
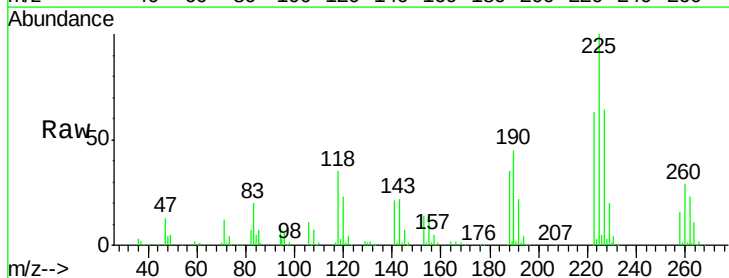
Instrument :  
BNA\_M  
ClientSampled :  
DA256

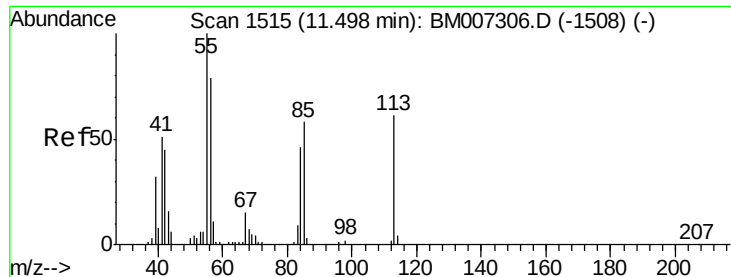
Tgt Ion:128 Resp: 700409  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 12.8  
127 13.2 10.6 15.8



#31  
Hexachlorobutadiene  
Concen: 55.69 ng/ul  
RT: 10.92 min Scan# 1416  
Delta R.T. 0.00 min  
Lab File: BM007308.D  
Acq: 29 Aug 2016 13:47

Tgt Ion:225 Resp: 413633  
Ion Ratio Lower Upper  
225 100  
223 63.5 51.2 76.8  
227 64.0 52.5 78.7





#32

Caprolactam

Concen: 40.32 ng/ul

RT: 11.49 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

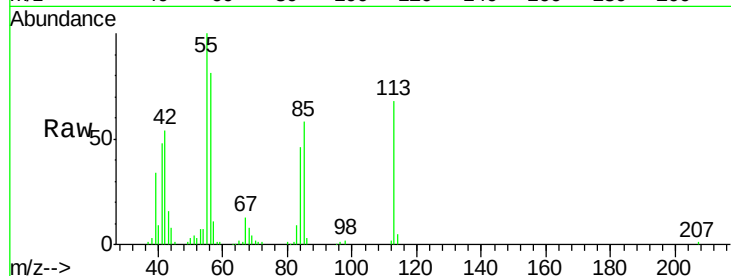
Tgt Ion:113 Resp: 178525

Ion Ratio Lower Upper

113 100

55 146.3 121.9 182.9

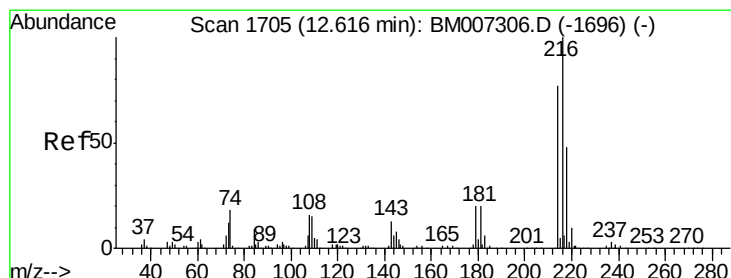
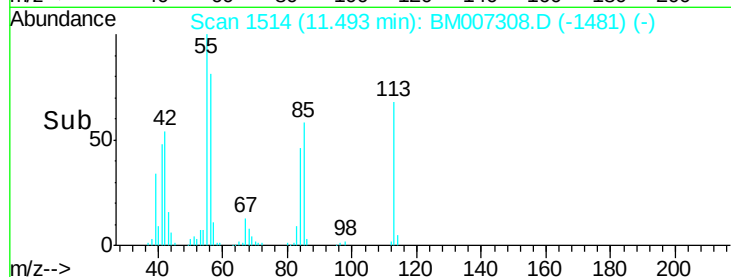
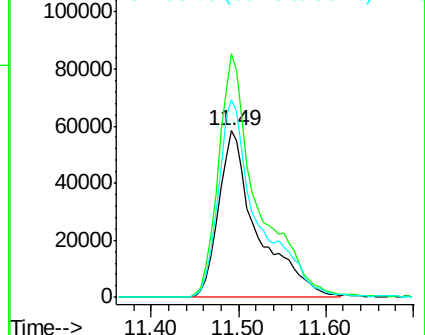
56 118.7 97.4 146.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

1,2,4,5-Tetrachlorobenzene

Concen: 34.89 ng/ul

RT: 12.62 min Scan# 1705

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Tgt Ion:216 Resp: 563577

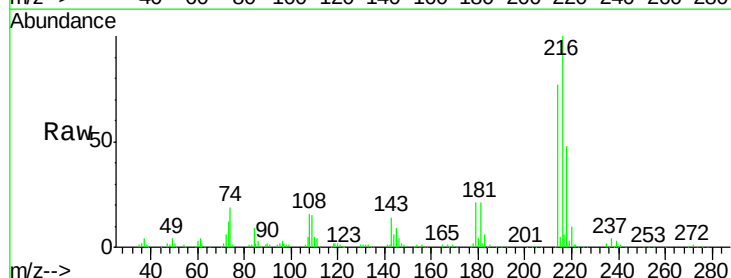
Ion Ratio Lower Upper

216 100

214 77.4 64.8 97.2

179 20.9 16.7 25.1

108 16.2 13.2 19.8

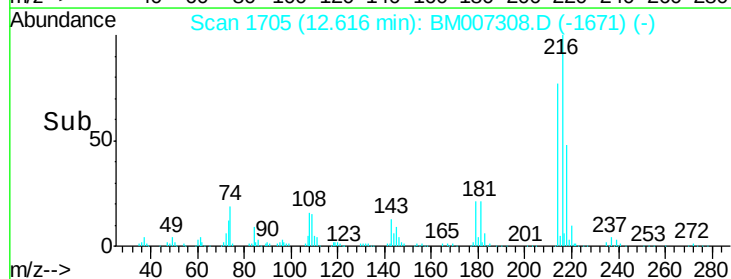
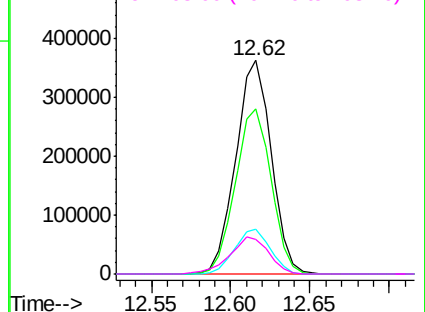


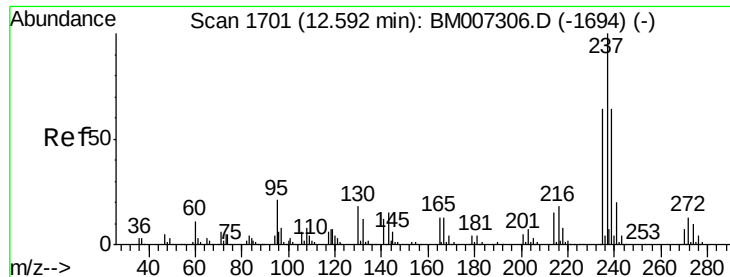
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#37

Hexachlorocyclopentadiene

Concen: 33.24 ng/ul

RT: 12.59 min Scan# 1701

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

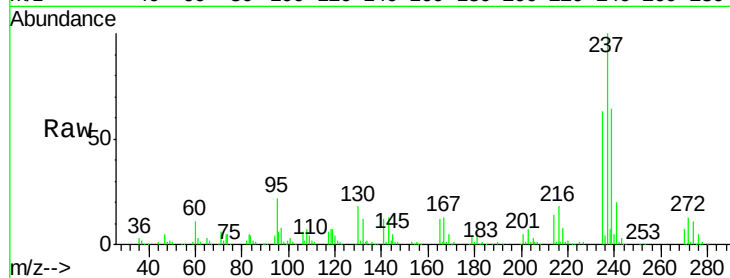
Tgt Ion:237 Resp: 323927

Ion Ratio Lower Upper

237 100

235 63.4 49.6 74.4

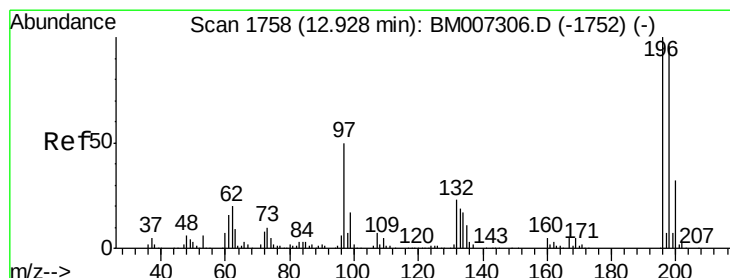
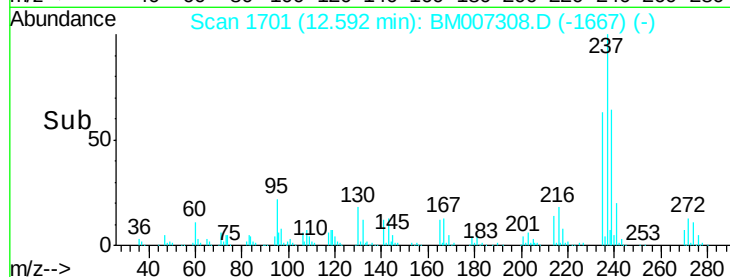
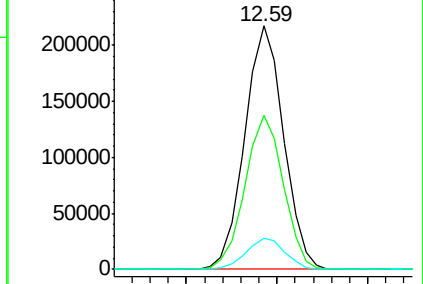
272 12.8 10.4 15.6



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#39

2,4,5-Trichlorophenol

Concen: 37.24 ng/ul

RT: 12.93 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

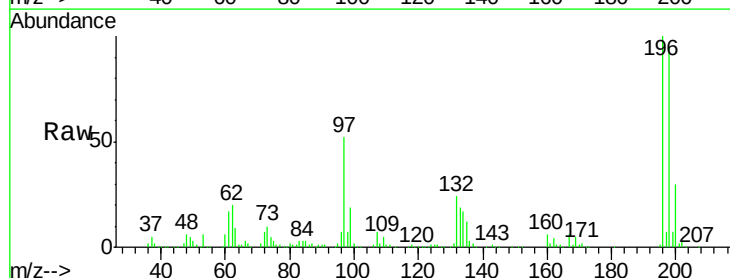
Tgt Ion:196 Resp: 443500

Ion Ratio Lower Upper

196 100

198 95.5 76.8 115.2

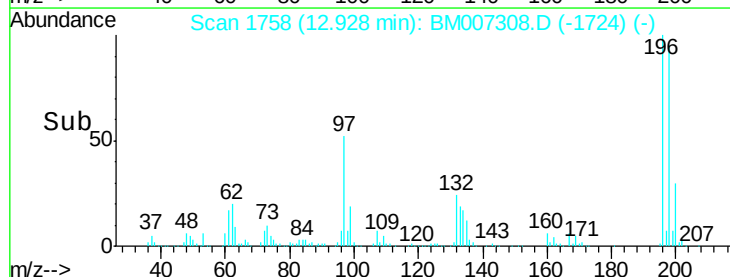
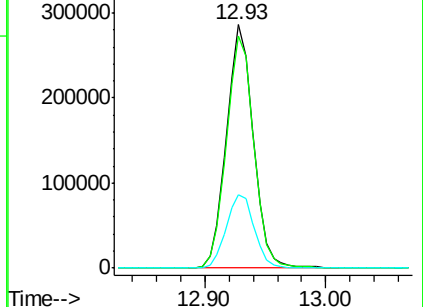
200 30.3 27.0 40.4

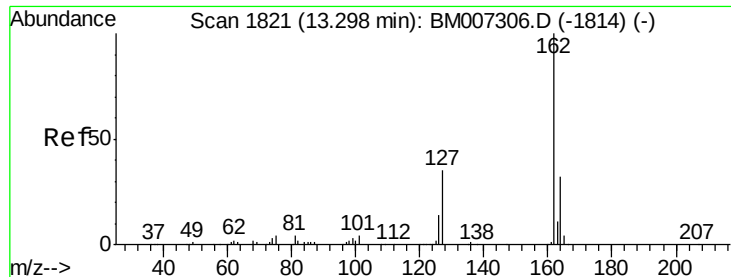


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

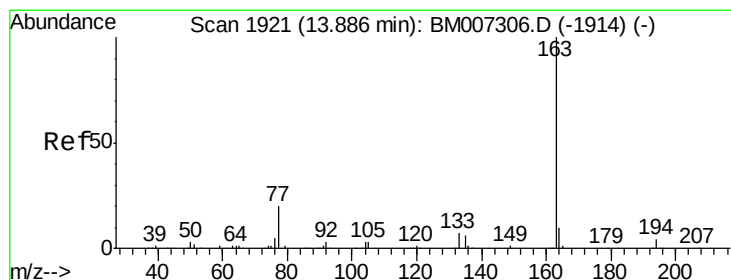
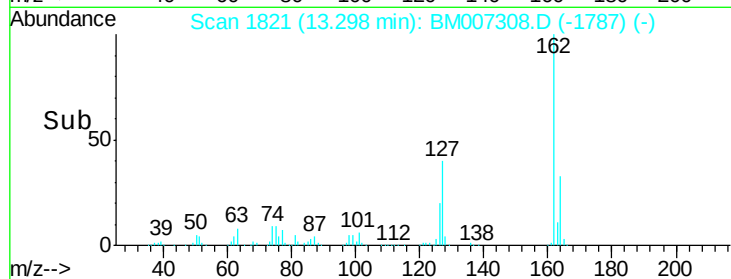
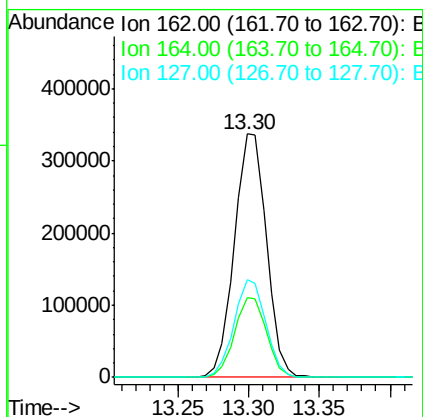
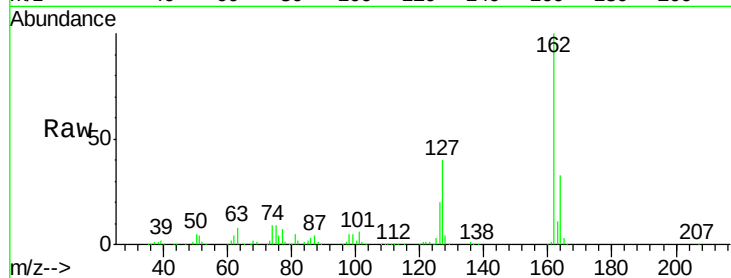




#41  
 2-Chloronaphthalene  
 Concen: 18.15 ng/ul  
 RT: 13.30 min Scan# 1821  
 Delta R.T. 0.00 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

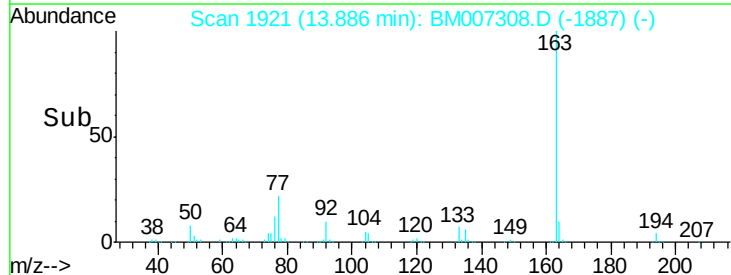
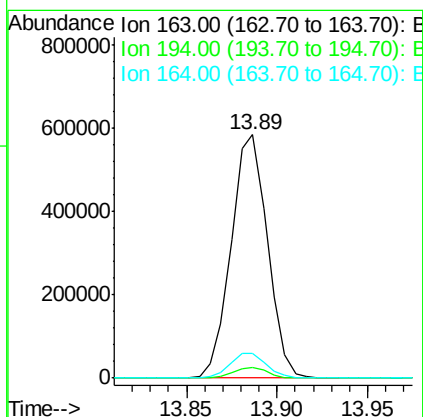
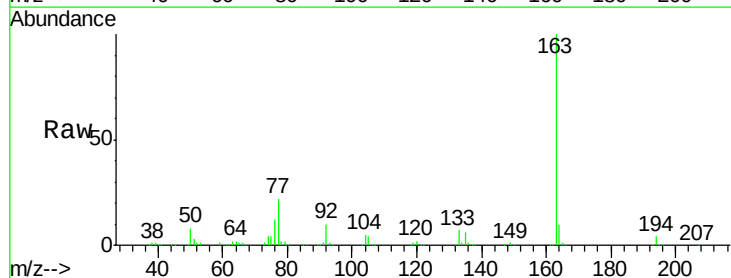
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA256

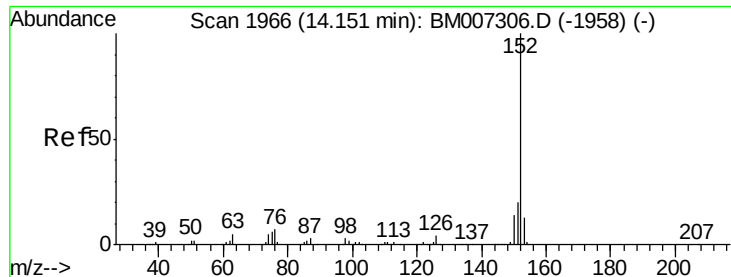
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 32.7  | 26.9  | 40.3  |
| 127     | 40.2  | 31.2  | 46.8  |



#44  
 Dimethylphthalate  
 Concen: 19.53 ng/ul  
 RT: 13.89 min Scan# 1921  
 Delta R.T. 0.00 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.2   |
| 164     | 10.4  | 7.8   | 11.8  |





#47

Acenaphthylene

Concen: 20.53 ng/ul

RT: 14.15 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

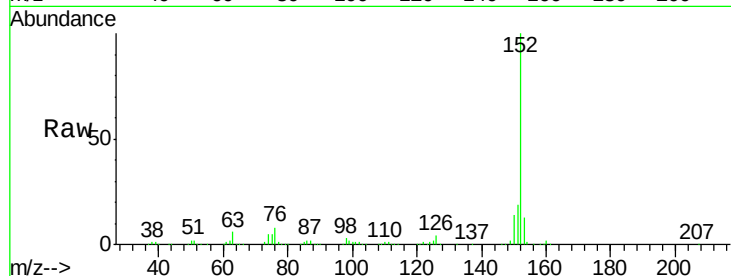
Tgt Ion:152 Resp: 1024549

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

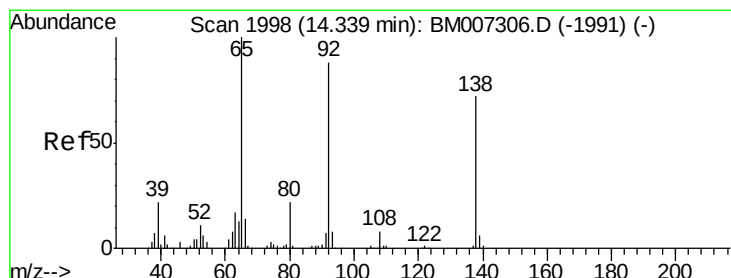
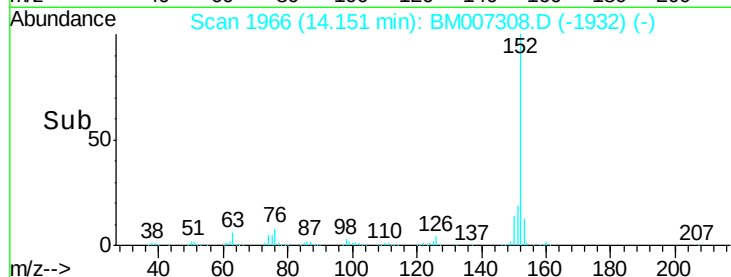
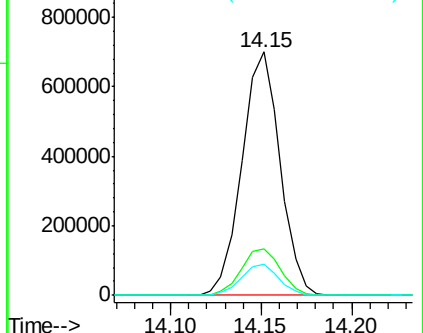
153 12.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 54.04 ng/ul

RT: 14.34 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

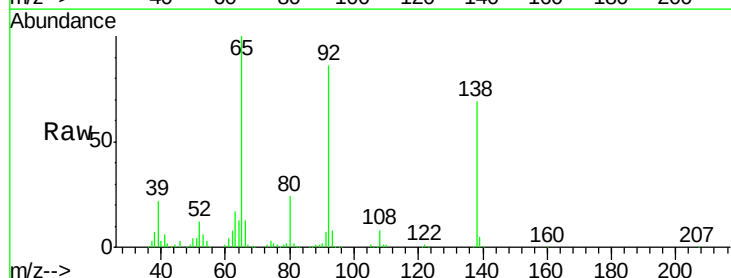
Tgt Ion:138 Resp: 470015

Ion Ratio Lower Upper

138 100

108 11.9 9.4 14.0

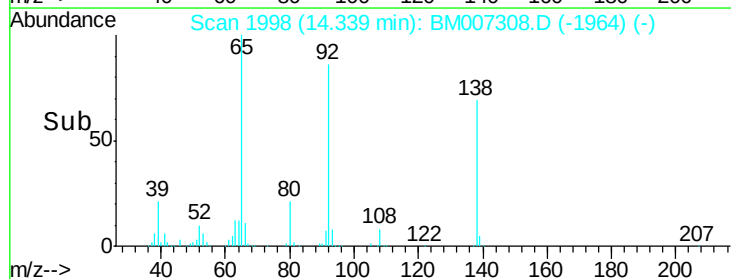
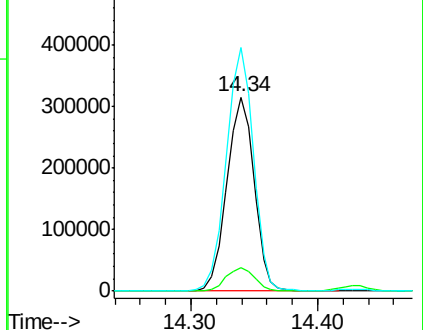
92 125.4 96.6 145.0

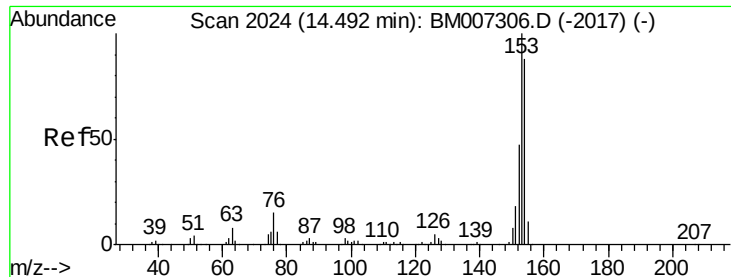


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#49

Acenaphthene

Concen: 31.23 ng/ul

RT: 14.49 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

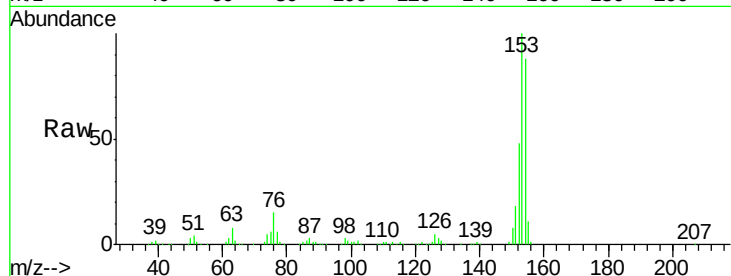
Tgt Ion:153 Resp: 1014281

Ion Ratio Lower Upper

153 100

152 47.5 37.8 56.6

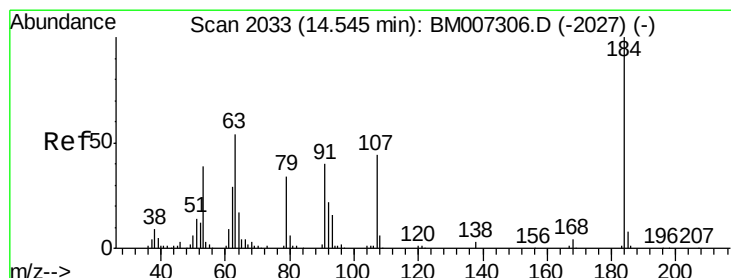
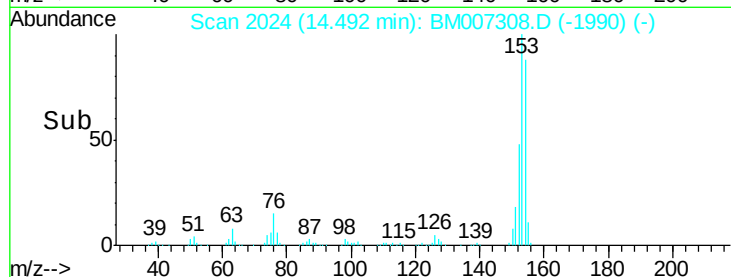
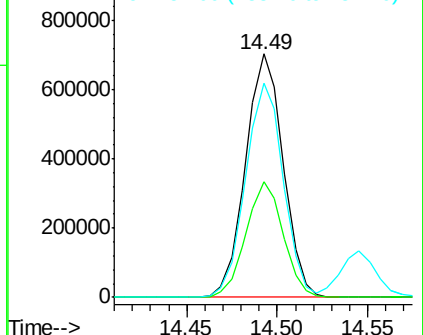
154 87.7 71.4 107.0



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



#50

2,4-Dinitrophenol

Concen: 47.56 ng/ul

RT: 14.55 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

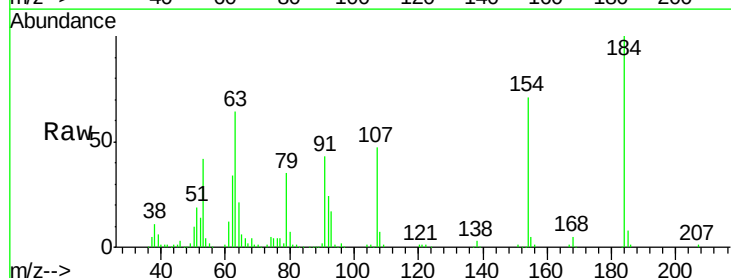
Tgt Ion:184 Resp: 274826

Ion Ratio Lower Upper

184 100

63 64.3 43.4 65.0

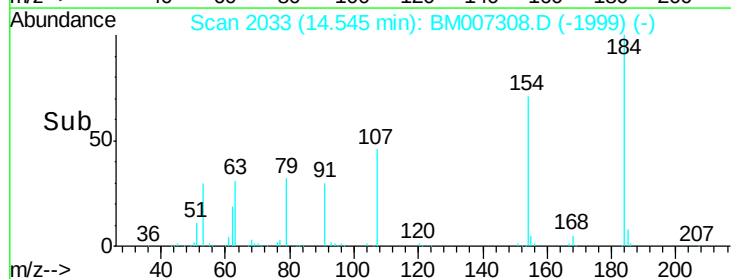
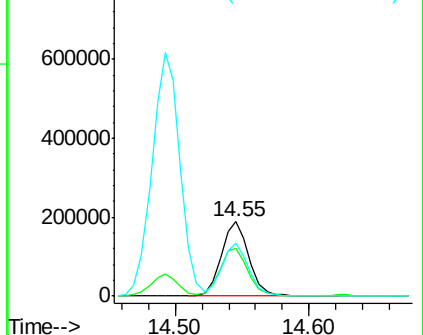
154 71.2 48.2 72.4

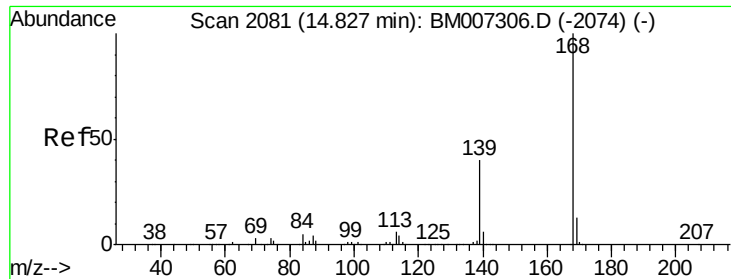


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 18.01 ng/ul

RT: 14.83 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

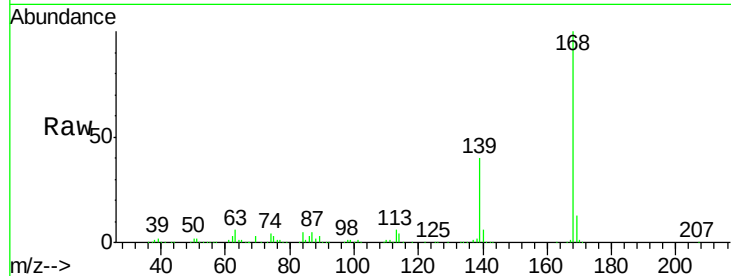
DA256

Tgt Ion:168 Resp: 875473

Ion Ratio Lower Upper

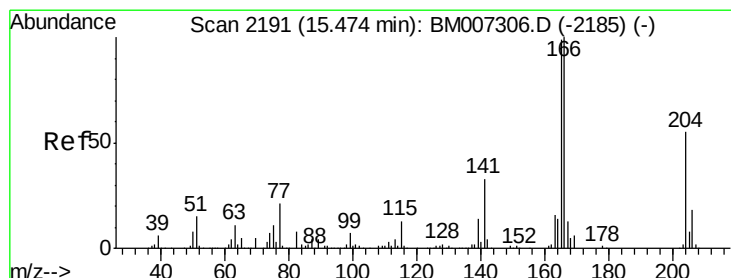
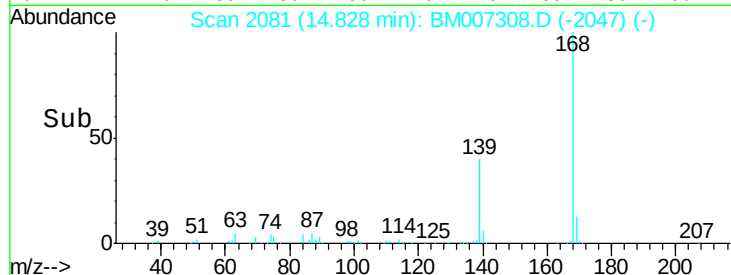
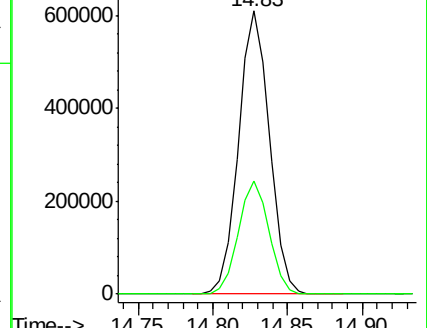
168 100

139 39.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 7.62 ng/ul

RT: 15.47 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

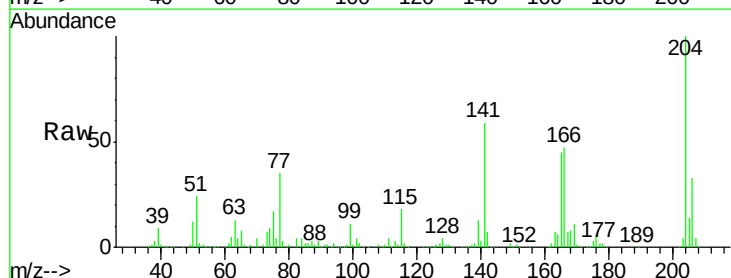
Tgt Ion:166 Resp: 305075

Ion Ratio Lower Upper

166 100

165 96.7 79.9 119.9

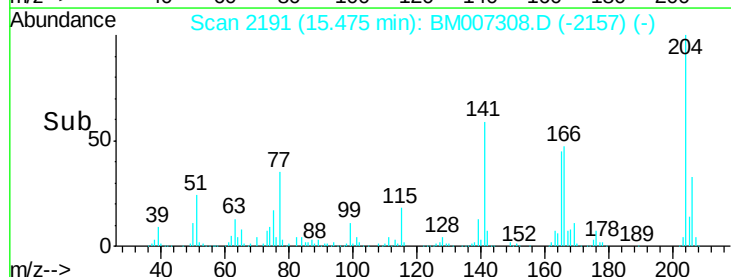
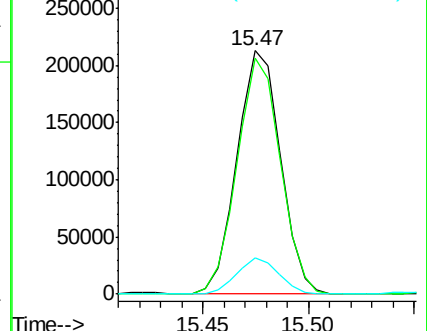
167 14.7 10.5 15.7

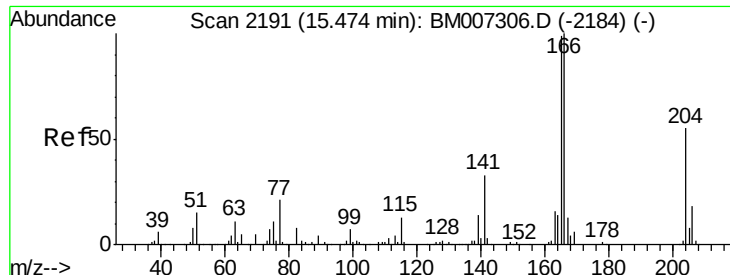


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

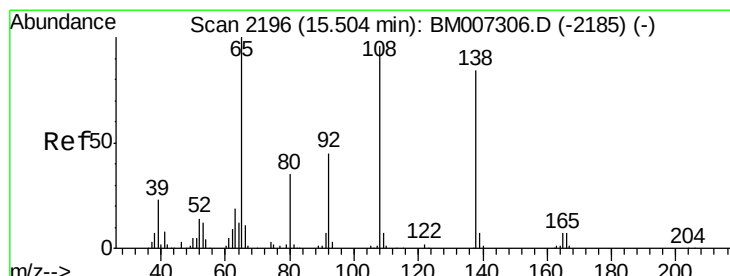
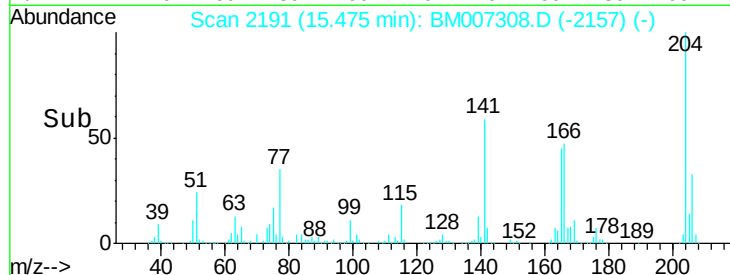
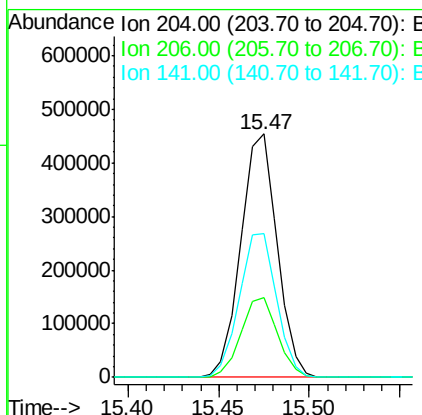
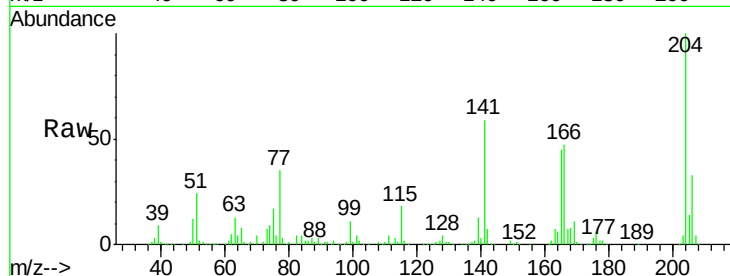




#59  
 4-Chlorophenyl-phenylether  
 Concen: 30.19 ng/ul  
 RT: 15.47 min Scan# 2191  
 Delta R.T. 0.00 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

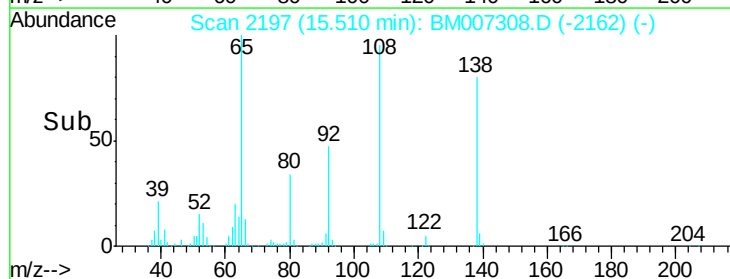
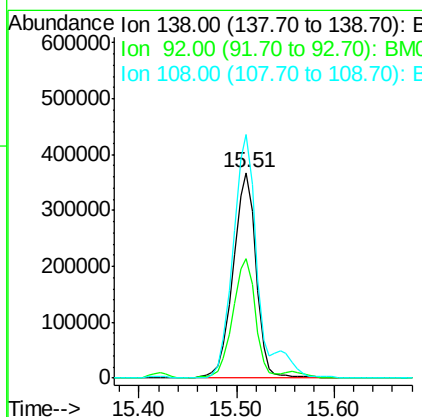
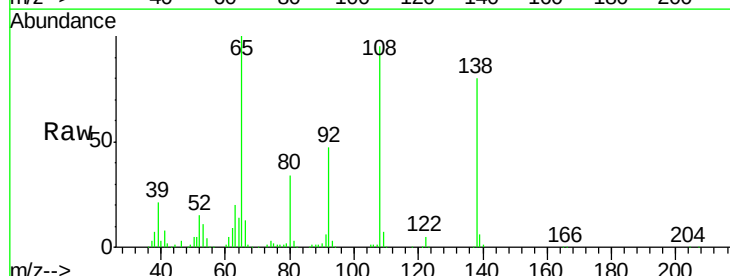
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA256

Tgt Ion:204 Resp: 631817  
 Ion Ratio Lower Upper  
 204 100  
 206 32.8 25.9 38.9  
 141 59.3 46.1 69.1

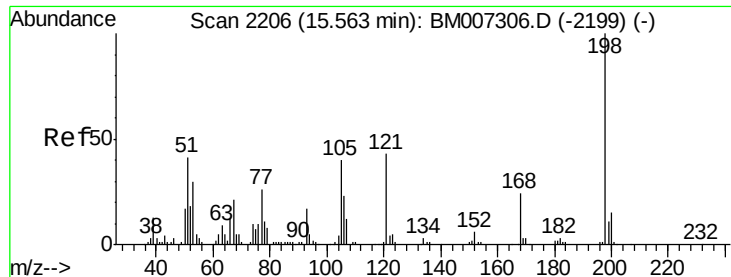


#60  
 4-Nitroaniline  
 Concen: 61.16 ng/ul  
 RT: 15.51 min Scan# 2197  
 Delta R.T. 0.01 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

Tgt Ion:138 Resp: 603623  
 Ion Ratio Lower Upper  
 138 100  
 92 58.1 43.5 65.3  
 108 118.4 80.3 120.5







#63

4,6-Dinitro-2-methylphenol

Concen: 70.38 ng/ul

RT: 15.56 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

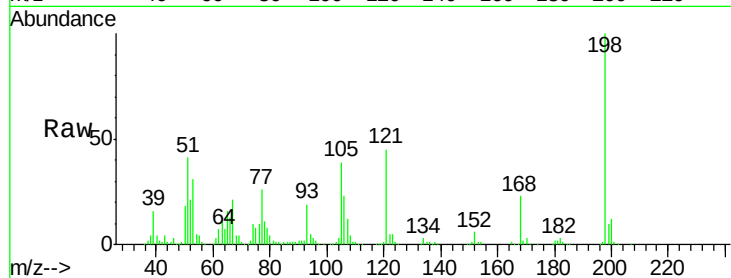
Tgt Ion:198 Resp: 629668

Ion Ratio Lower Upper

198 100

182 3.0 3.3 4.9#

77 25.7 21.8 32.6

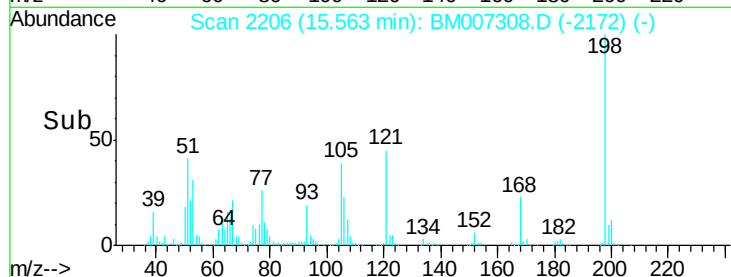


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E

Time-->



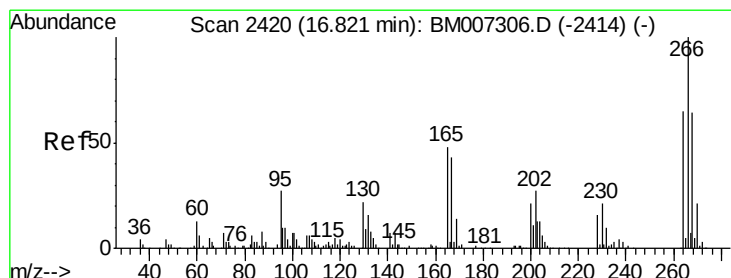
Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E

Time-->



#68

Pentachlorophenol

Concen: 80.28 ng/ul

RT: 16.82 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

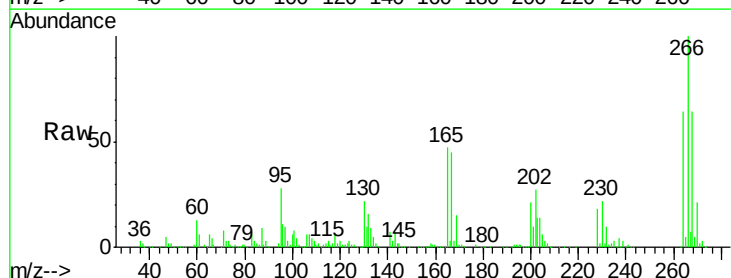
Tgt Ion:266 Resp: 873256

Ion Ratio Lower Upper

266 100

264 64.3 50.6 75.8

268 64.4 51.0 76.6

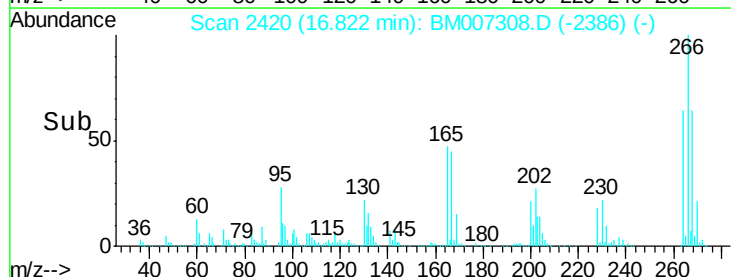


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->



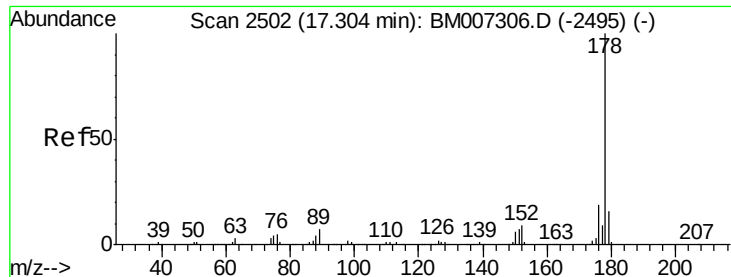
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

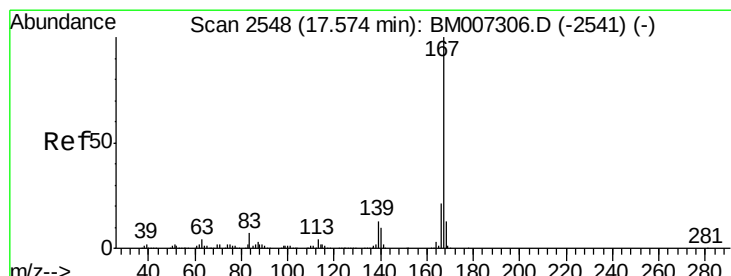
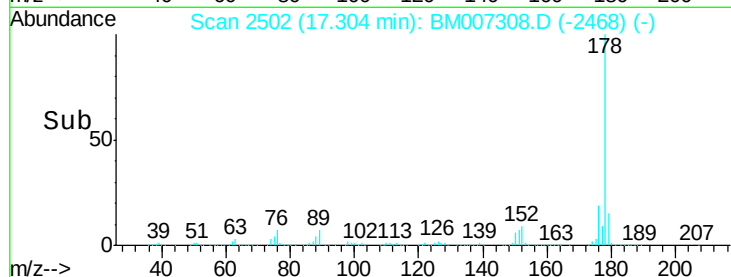
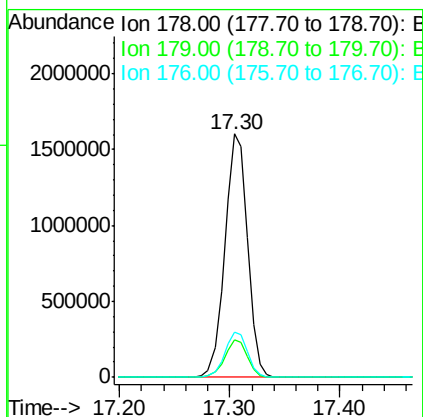
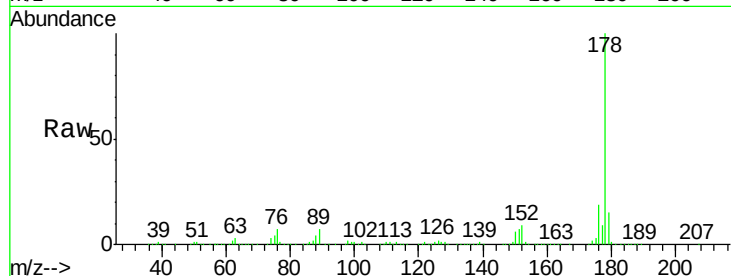
Time-->



#71  
 Anthracene  
 Concen: 31.04 ng/ul  
 RT: 17.30 min Scan# 2502  
 Delta R.T. 0.00 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

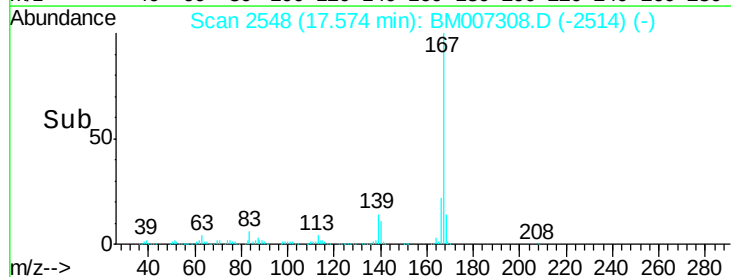
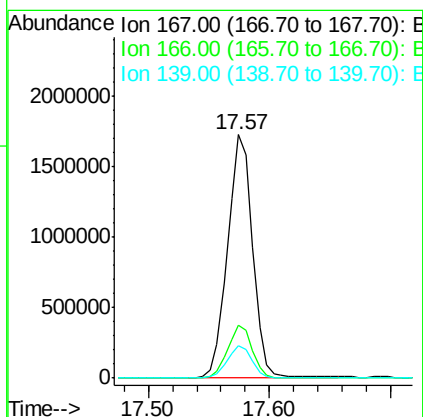
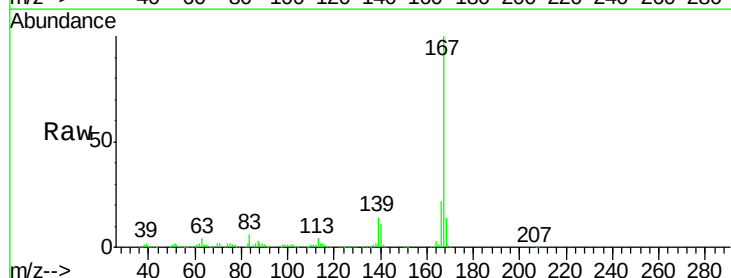
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA256

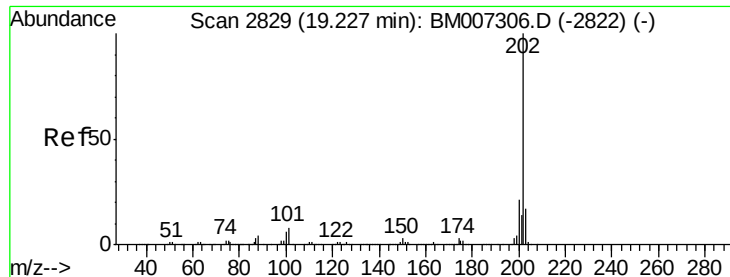
Tgt Ion:178 Resp: 2293416  
 Ion Ratio Lower Upper  
 178 100  
 179 15.4 12.1 18.1  
 176 18.7 14.5 21.7



#72  
 Carbazole  
 Concen: 38.91 ng/ul  
 RT: 17.57 min Scan# 2548  
 Delta R.T. 0.00 min  
 Lab File: BM007308.D  
 Acq: 29 Aug 2016 13:47

Tgt Ion:167 Resp: 2498265  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 16.6 25.0  
 139 13.6 10.2 15.4





#74

Fluoranthene

Concen: 20.13 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

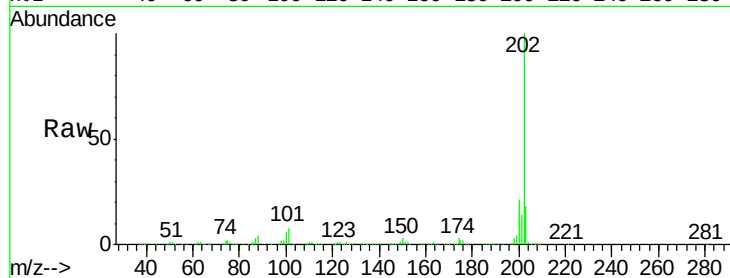
Tgt Ion:202 Resp: 1808271

Ion Ratio Lower Upper

202 100

101 7.8 6.9 10.3

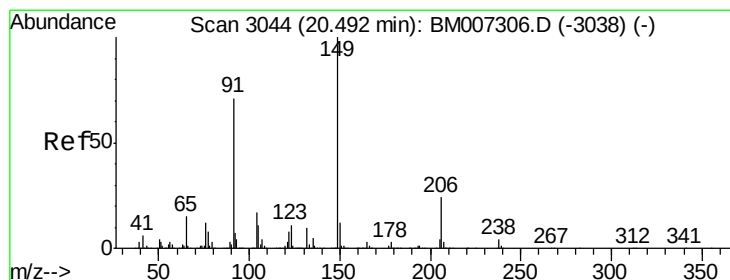
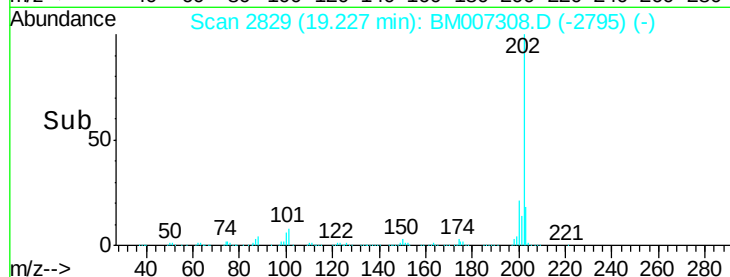
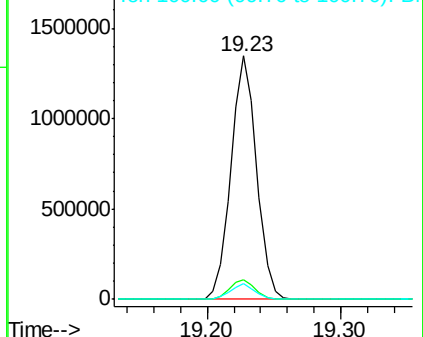
100 6.3 5.4 8.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#78

Butylbenzylphthalate

Concen: 21.72 ng/ul

RT: 20.49 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

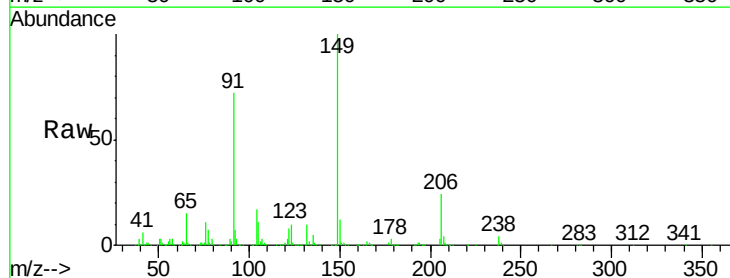
Tgt Ion:149 Resp: 933477

Ion Ratio Lower Upper

149 100

91 71.9 57.3 85.9

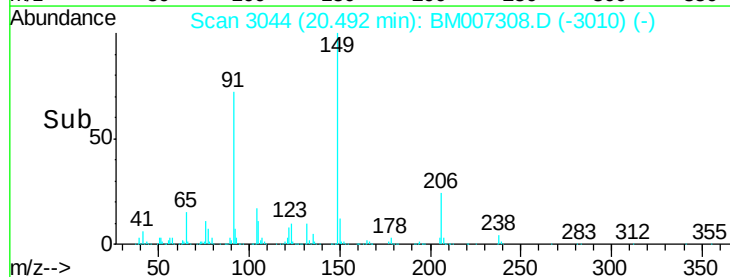
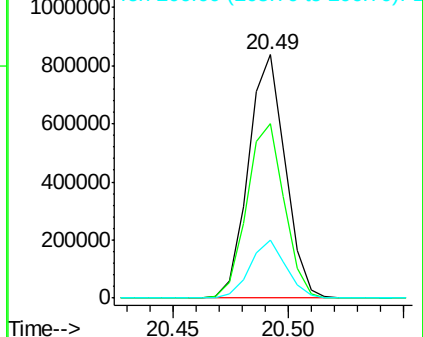
206 23.7 18.6 27.8

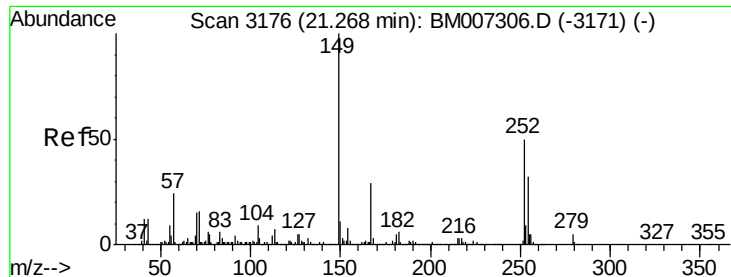


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 21.96 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256

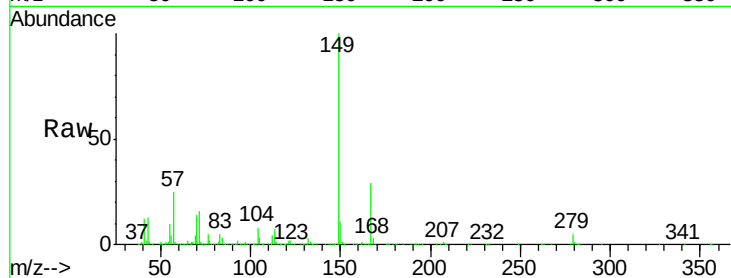
Tgt Ion:149 Resp: 1368823

Ion Ratio Lower Upper

149 100

167 28.8 23.2 34.8

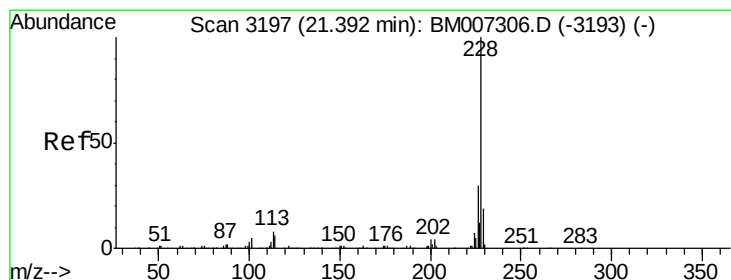
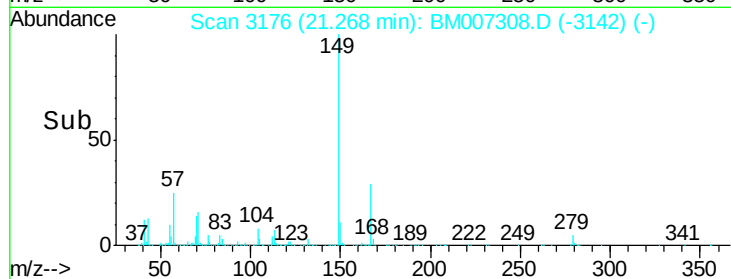
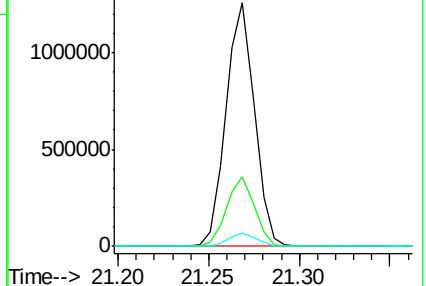
279 5.3 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 32.13 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. 0.00 min

Lab File: BM007308.D

Acq: 29 Aug 2016 13:47

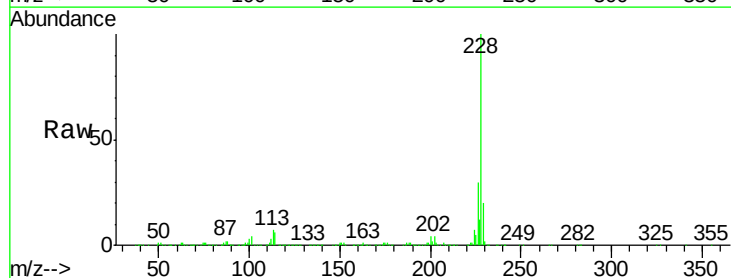
Tgt Ion:228 Resp: 3303588

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

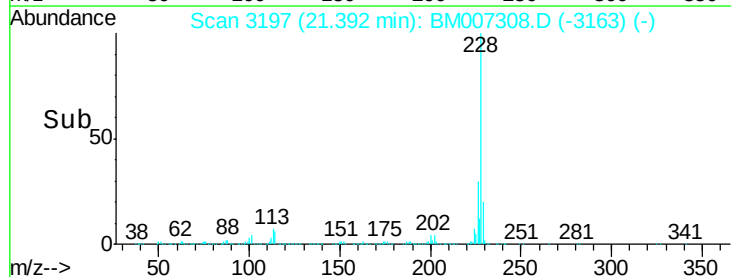
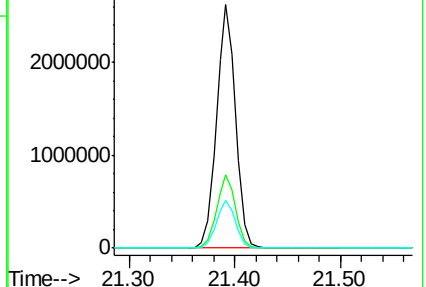
229 19.6 15.5 23.3

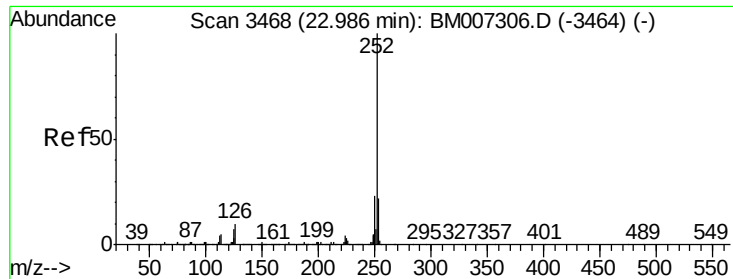


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

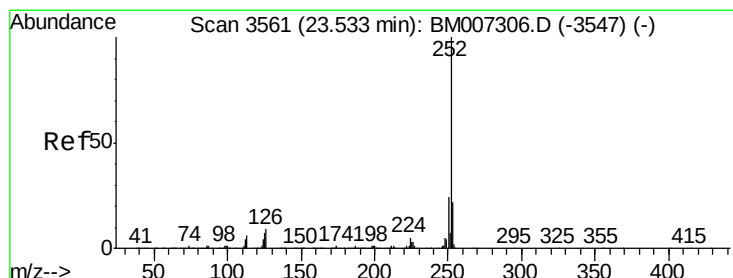
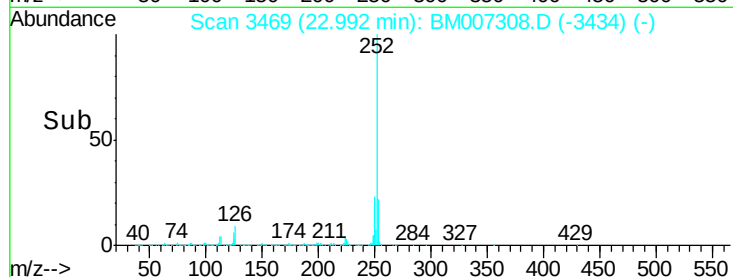
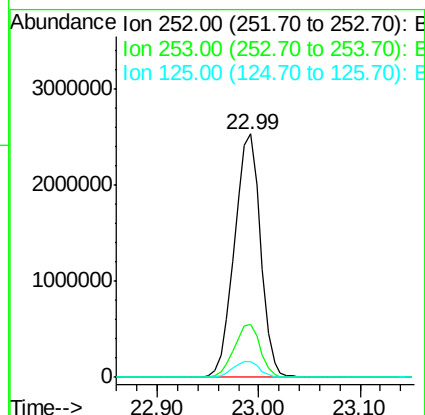
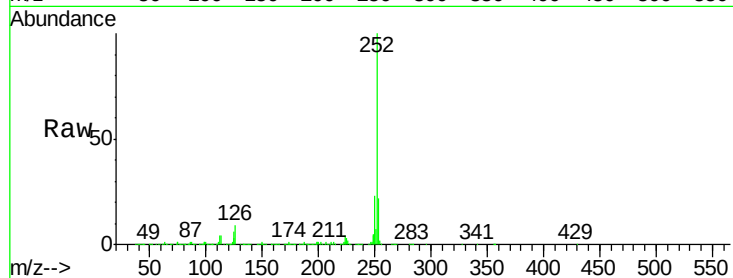




#86  
Benzo(k)fluoranthene  
Concen: 40.64 ng/ul  
RT: 22.99 min Scan# 3469  
Delta R.T. 0.01 min  
Lab File: BM007308.D  
Acq: 29 Aug 2016 13:47

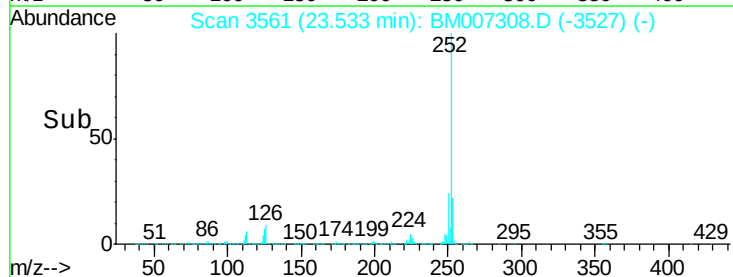
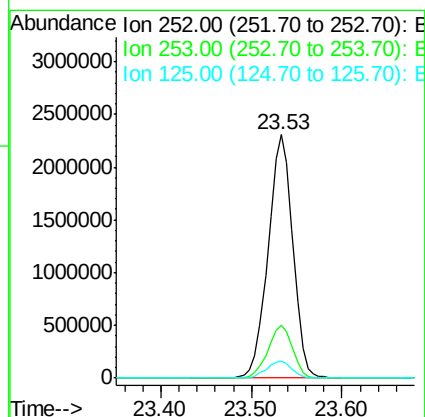
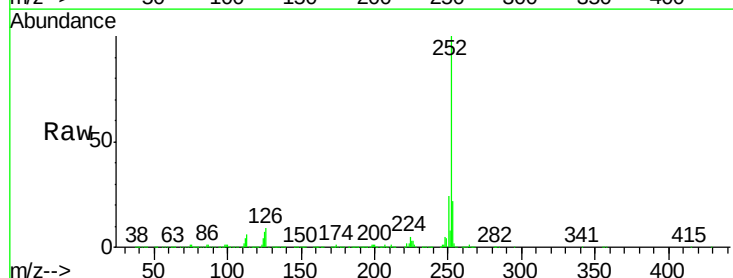
Instrument :  
BNA\_M  
ClientSampleId :  
DA256

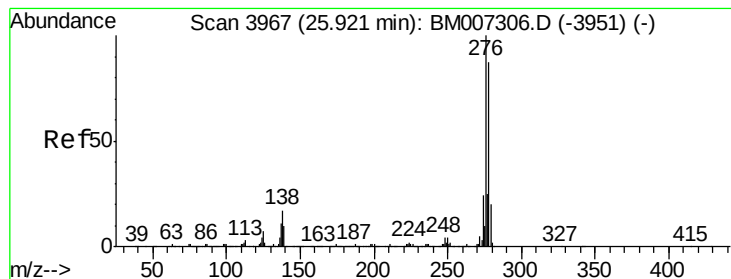
Tgt Ion:252 Resp: 4524450  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.6 26.4  
125 6.4 5.7 8.5



#88  
Benzo(a)pyrene  
Concen: 37.83 ng/ul  
RT: 23.53 min Scan# 3561  
Delta R.T. 0.00 min  
Lab File: BM007308.D  
Acq: 29 Aug 2016 13:47

Tgt Ion:252 Resp: 4360176  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.7 26.5  
125 6.9 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 14.97 ng/ul

RT: 25.92 min Scan# 3966

Delta R.T. -0.01 min

Lab File: BM007308.D

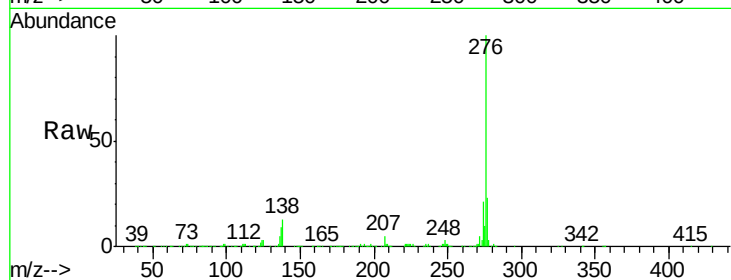
Acq: 29 Aug 2016 13:47

Instrument :

BNA\_M

ClientSampleId :

DA256



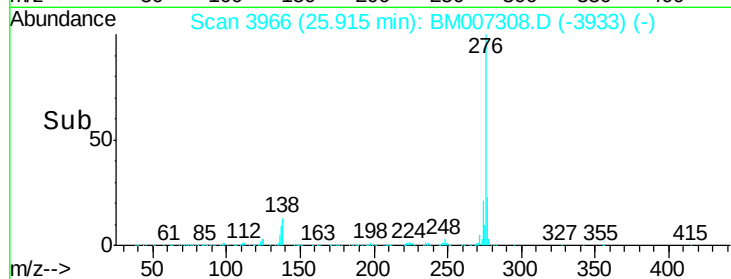
Tgt Ion:276 Resp: 2117526

Ion Ratio Lower Upper

276 100

138 13.0 13.9 20.9#

277 23.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

