

Data File : BM009795.D  
Acq On : 29 Apr 2017 00:03  
Operator : SJ/MA  
Sample : I2845-19  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
JHSZ7

Quant Time: Apr 29 03:06:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM042517.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Apr 29 00:28:27 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 158055   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 703053   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.47 | 164  | 455662   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 1189905  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.40 | 240  | 1107803  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.72 | 264  | 844354   | 20.00 | ng/ul | 0.01     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 12576   | 3.66  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 348566  | 20.30 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 245180  | 20.94 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 240950  | 22.06 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 218849  | 16.35 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 125013  | 21.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 137806  | 22.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 259503  | 21.55 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 241564  | 16.65 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 865600  | 21.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1117162 | 23.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 124824  | 16.32 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.46 | 176 | 833797  | 23.30 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 91491   | 10.90 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.32 | 188 | 1308833 | 21.42 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.62 | 212 | 1466493 | 30.00 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.57 | 264 | 997763  | 24.30 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 4) Benzaldehyde                | 6.97  | 77  | 11212   | 1.00  | ng/ul# | 74     |
| 6) Phenol                      | 7.02  | 94  | 19236   | 1.08  | ng/ul# | 66     |
| 44) Dimethylphthalate          | 13.92 | 163 | 296414  | 7.56  | ng/ul# | 95     |
| 67) Atrazine                   | 16.67 | 200 | 16731   | 1.14  | ng/ul# | 80     |
| 69) Phenanthrene               | 17.26 | 178 | 97605   | 1.43  | ng/ul  | 96     |
| 71) Anthracene                 | 17.26 | 178 | 97605   | 1.36  | ng/ul  | 97     |
| 73) Di-n-butylphthalate        | 18.17 | 149 | 458328  | 5.84  | ng/ul  | 96     |
| 74) Fluoranthene               | 19.28 | 202 | 157797  | 1.83  | ng/ul# | 89     |
| 77) Pyrene                     | 19.64 | 202 | 187147  | 2.99  | ng/ul# | 83     |
| 78) Butylbenzylphthalate       | 20.53 | 149 | 549205  | 21.17 | ng/ul  | 94     |
| 80) Benzo(a)anthracene         | 21.39 | 228 | 88750   | 1.35  | ng/ul# | 82     |
| 81) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 1363624 | 34.69 | ng/ul  | 97     |
| 82) Chrysene                   | 21.44 | 228 | 105725  | 1.79  | ng/ul# | 92     |
| 84) Di-n-octyl phthalate       | 22.20 | 149 | 195045  | 3.16  | ng/ul# | 1      |
| 85) Benzo(b)fluoranthene       | 23.01 | 252 | 115122  | 2.10  | ng/ul# | 51     |
| 88) Benzo(a)pyrene             | 23.62 | 252 | 87098   | 1.71  | ng/ul# | 62     |
| 89) Indeno(1,2,3-cd)pyrene     | 26.07 | 276 | 68550   | 1.24  | ng/ul# | 85     |
| 91) Benzo(g,h,i)perylene       | 26.80 | 276 | 78396   | 1.77  | ng/ul# | 78     |

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

Data File : BM009795.D

Acq On : 29 Apr 2017 00:03

Operator : SJ/MA

Sample : I2845-19

Misc :

ALS Vial : 19 Sample Multiplier: 1

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

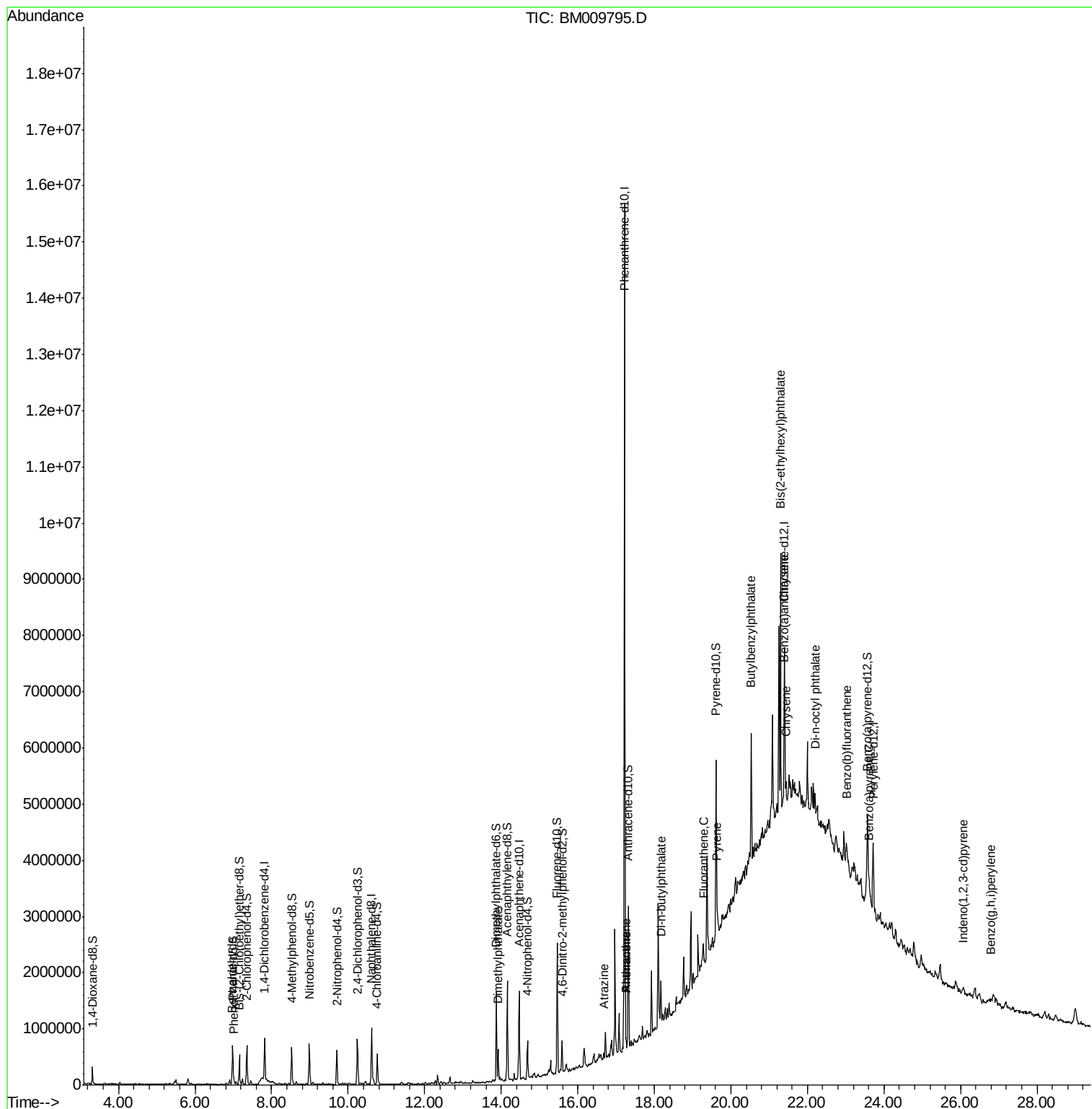
Quant Time: Apr 29 03:06:35 2017

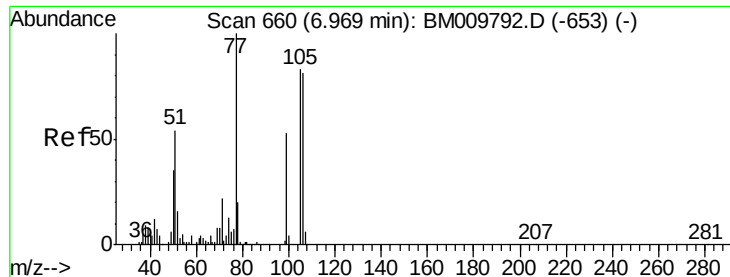
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM042517.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Apr 29 00:28:27 2017

Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.00 ng/ul

RT: 6.97 min Scan# 660

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

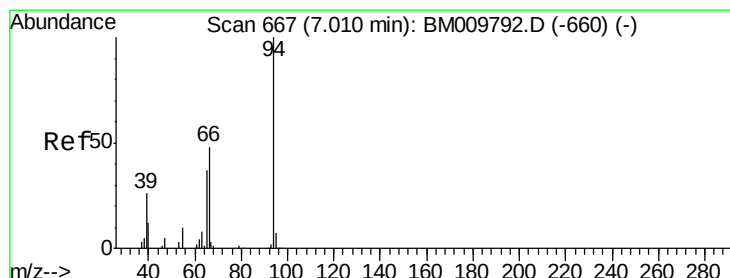
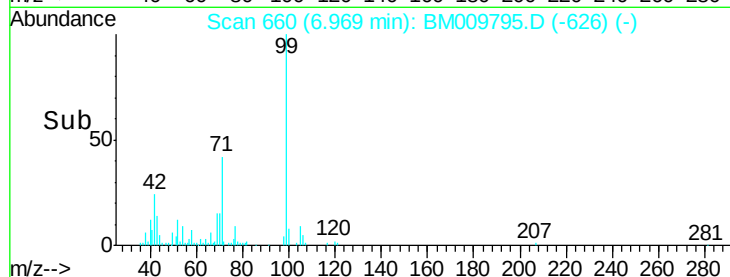
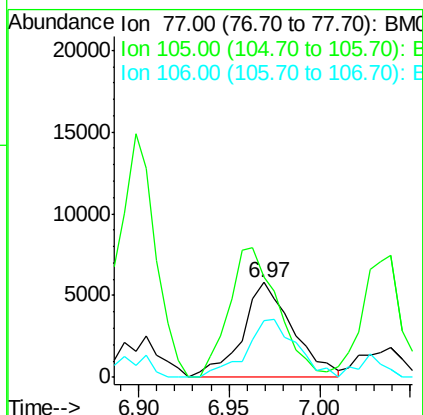
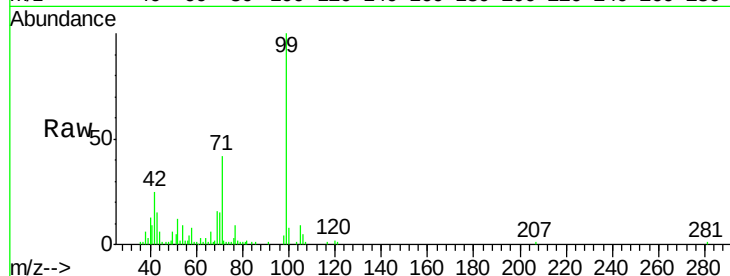
Tgt Ion: 77 Resp: 11212

Ion Ratio Lower Upper

77 100

105 105.9 54.8 82.2#

106 60.2 50.2 75.4



#6

Phenol

Concen: 1.08 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

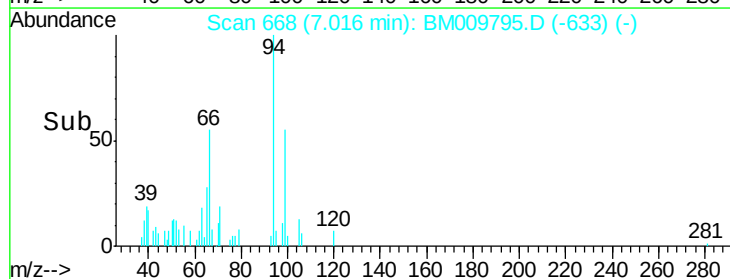
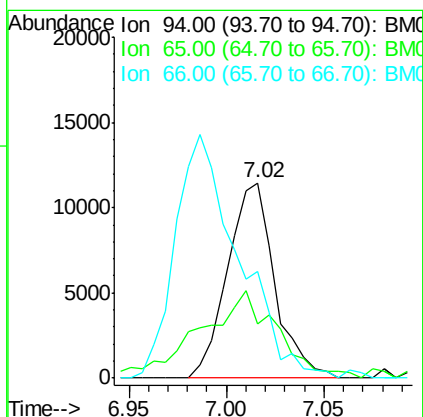
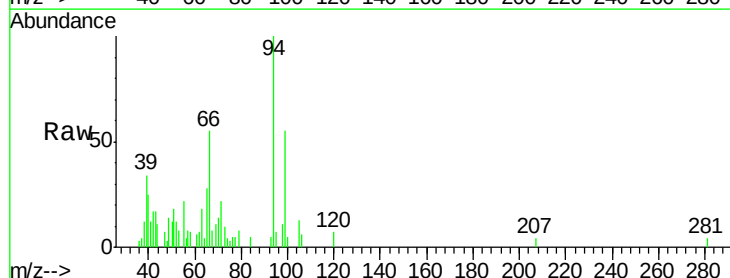
Tgt Ion: 94 Resp: 19236

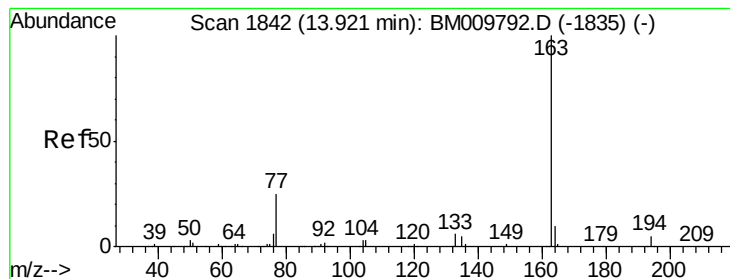
Ion Ratio Lower Upper

94 100

65 27.5 39.8 59.6#

66 55.0 69.9 104.9#





#44

Dimethylphthalate

Concen: 7.56 ng/ul

RT: 13.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

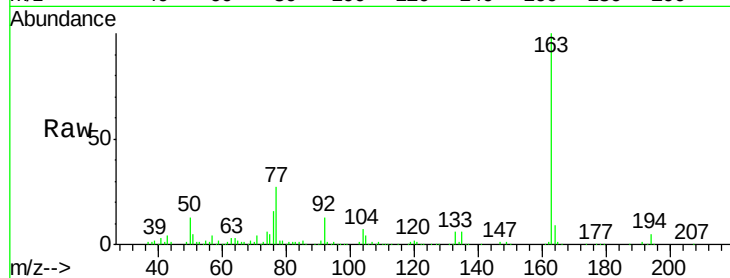
Tgt Ion:163 Resp: 296414

Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.6#

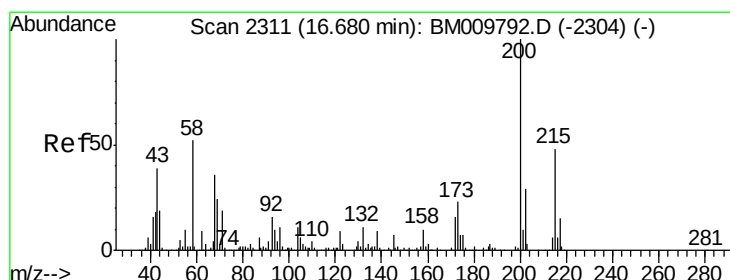
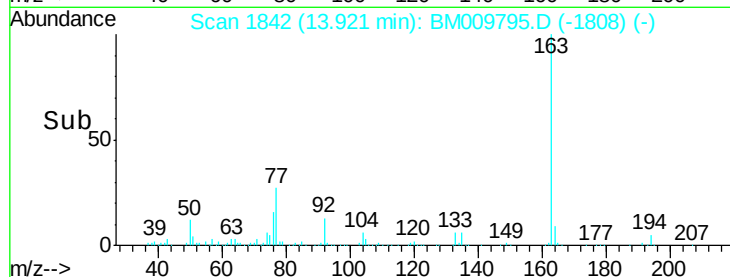
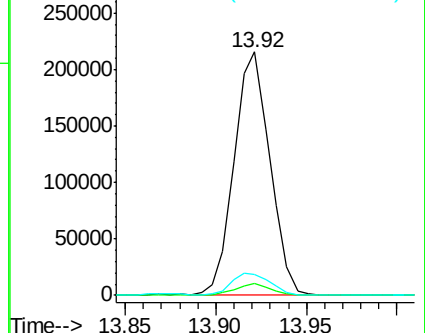
164 8.7 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#67

Atrazine

Concen: 1.14 ng/ul

RT: 16.67 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

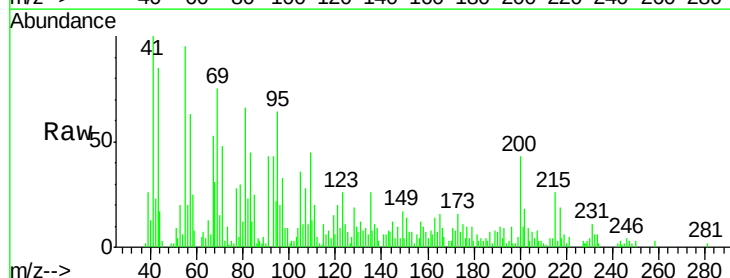
Tgt Ion:200 Resp: 16731

Ion Ratio Lower Upper

200 100

173 37.9 21.4 32.0#

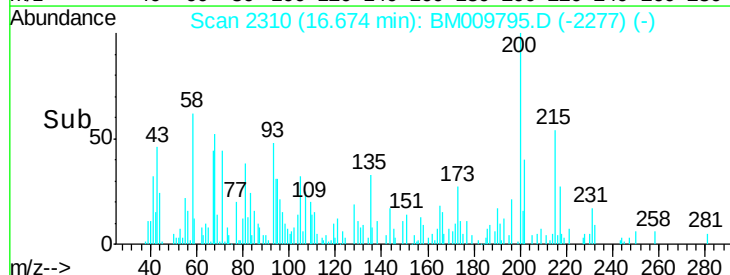
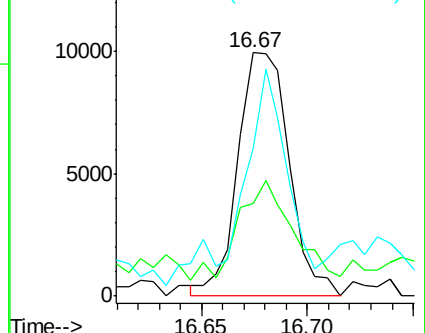
215 60.6 38.1 57.1#

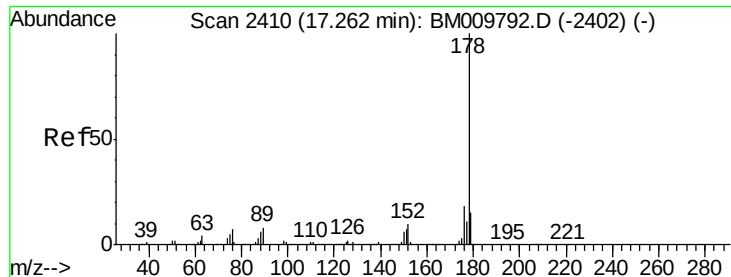


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Phenanthrene

Concen: 1.43 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

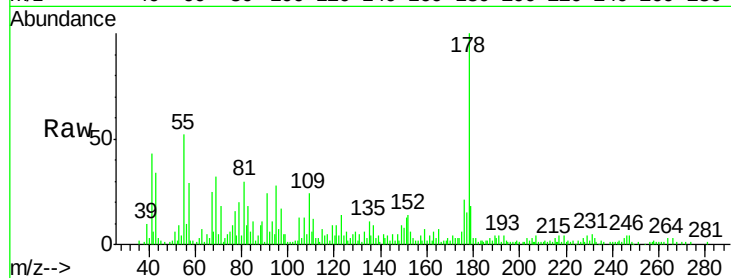
Tgt Ion:178 Resp: 97605

Ion Ratio Lower Upper

178 100

179 18.2 12.6 19.0

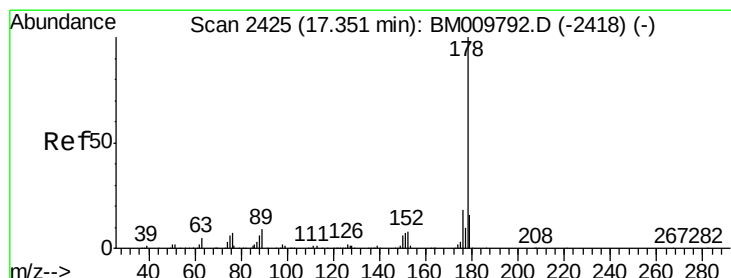
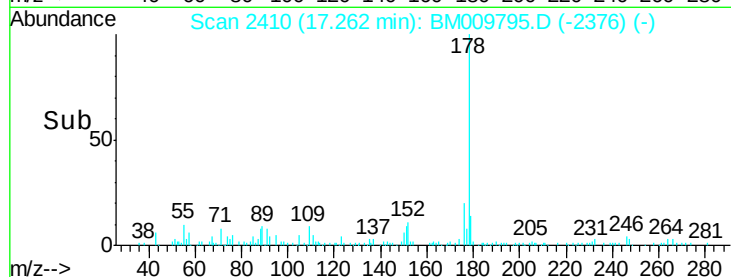
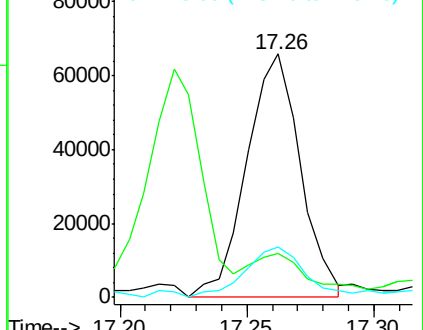
176 20.7 15.8 23.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.36 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. -0.09 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

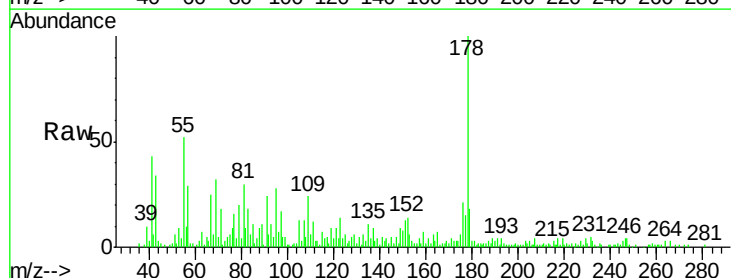
Tgt Ion:178 Resp: 97605

Ion Ratio Lower Upper

178 100

179 18.2 13.1 19.7

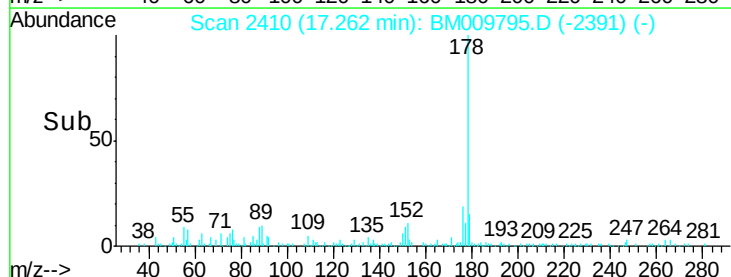
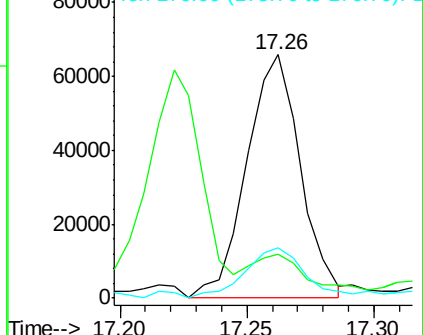
176 20.7 15.6 23.4

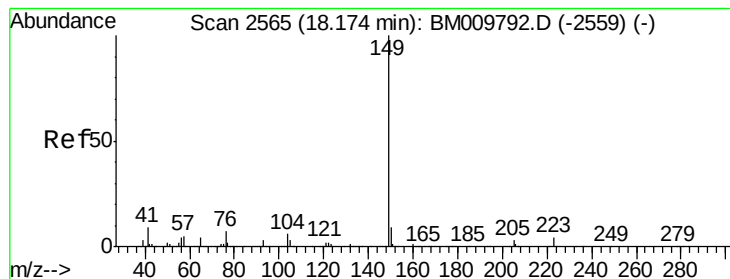


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 5.84 ng/ul

RT: 18.17 min Scan# 2565

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

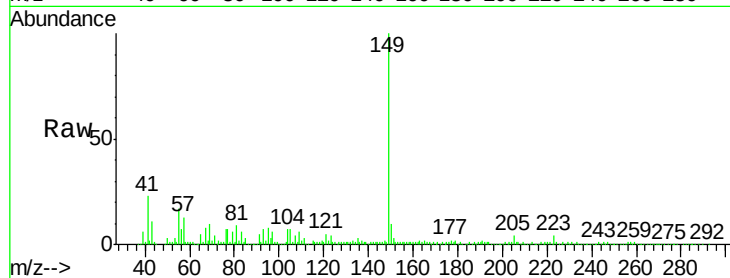
Tgt Ion:149 Resp: 458328

Ion Ratio Lower Upper

149 100

150 10.2 7.1 10.7

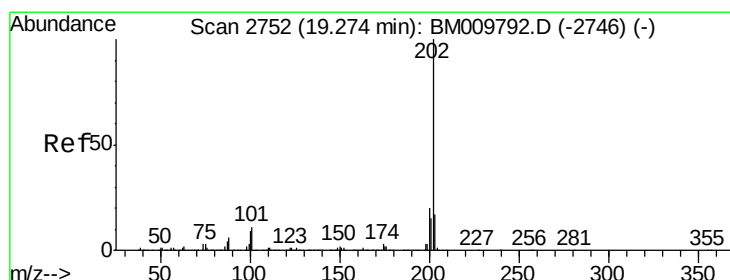
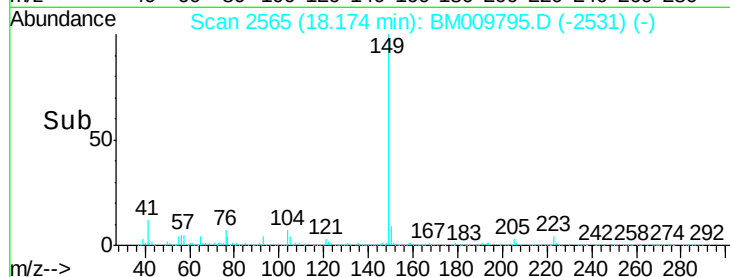
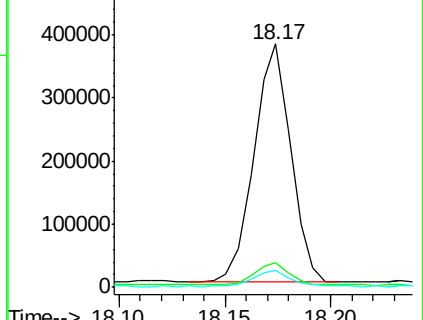
104 7.2 6.9 10.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.83 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

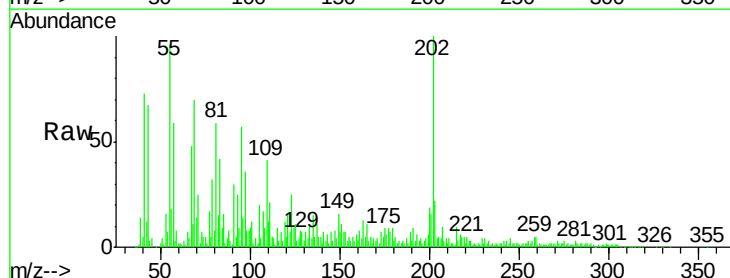
Tgt Ion:202 Resp: 157797

Ion Ratio Lower Upper

202 100

101 11.5 5.7 8.5#

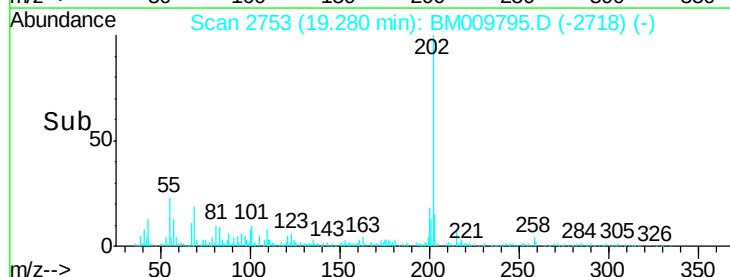
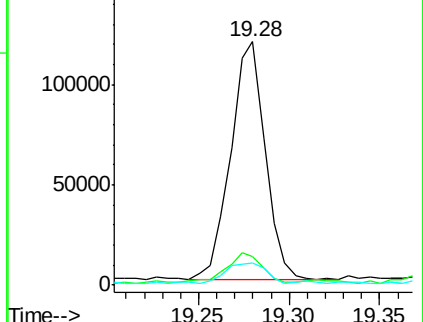
100 8.9 4.6 7.0#

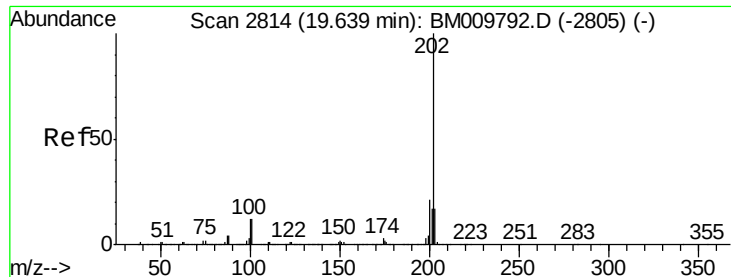


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 2.99 ng/ul

RT: 19.64 min Scan# 2814

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

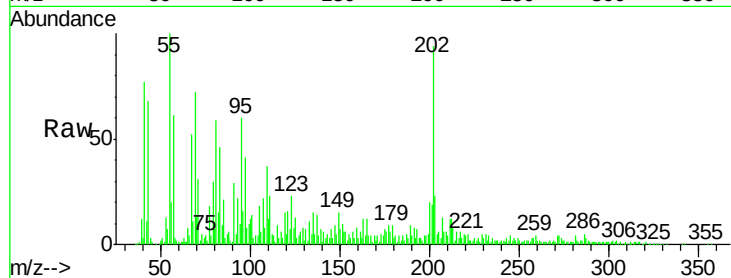
Tgt Ion:202 Resp: 187147

Ion Ratio Lower Upper

202 100

101 14.8 6.2 9.4#

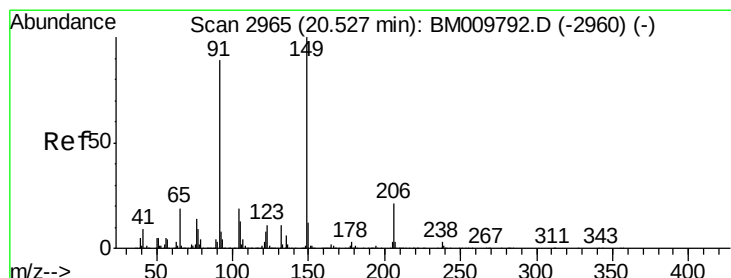
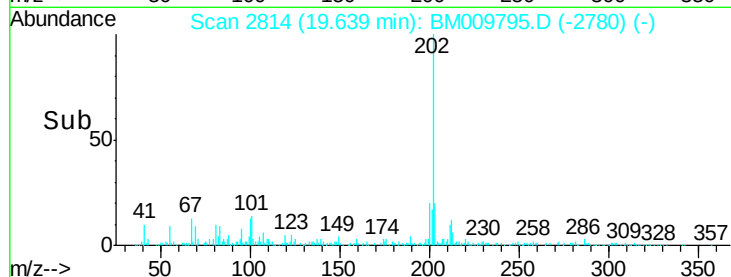
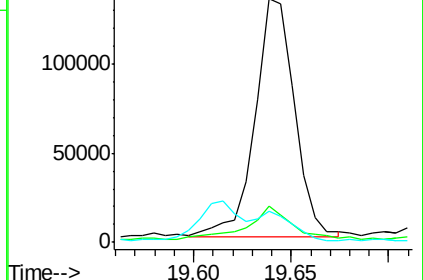
100 13.0 6.4 9.6#



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: 21.17 ng/ul

RT: 20.53 min Scan# 2965

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

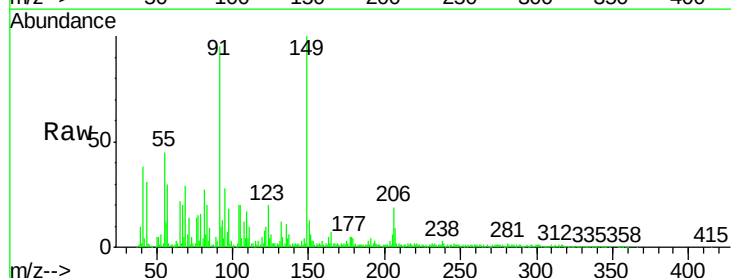
Tgt Ion:149 Resp: 549205

Ion Ratio Lower Upper

149 100

91 94.9 80.0 120.0

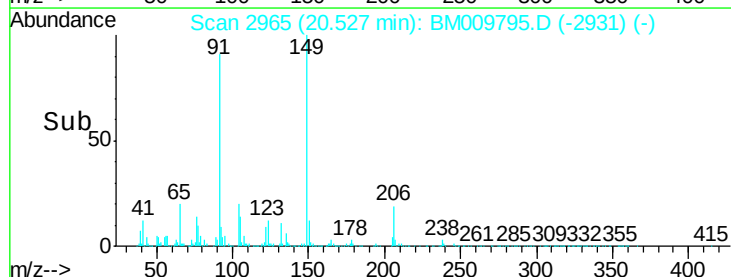
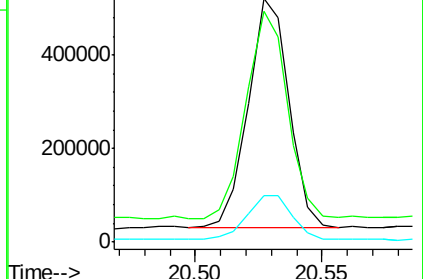
206 19.2 19.1 28.7

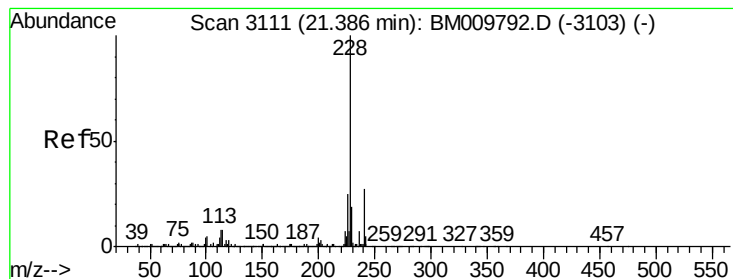


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.35 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

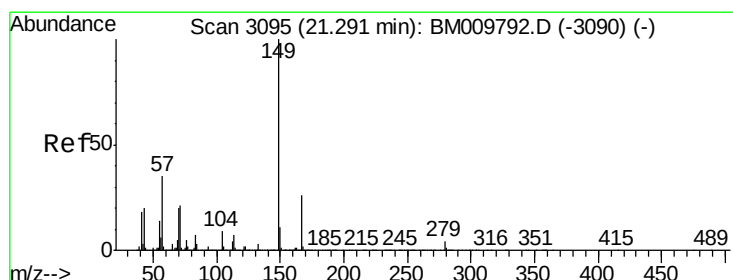
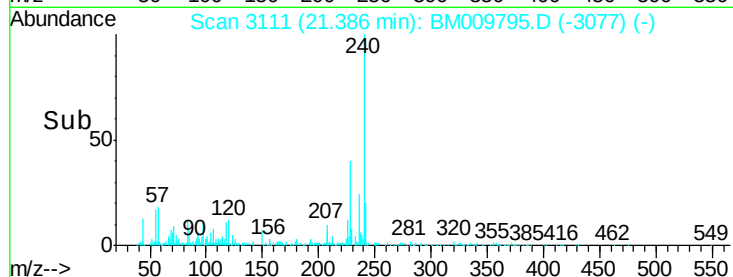
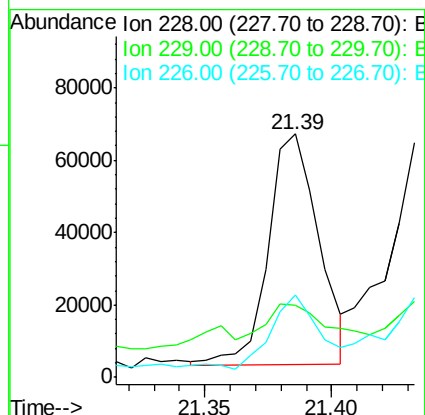
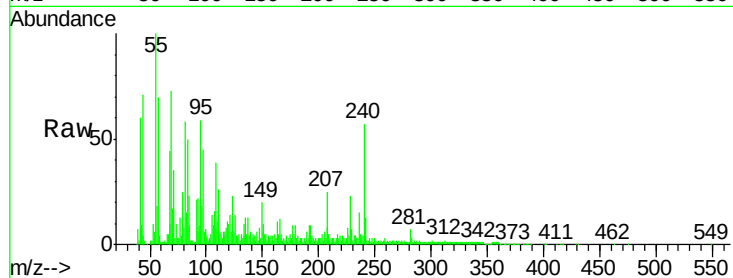
Tgt Ion:228 Resp: 88750

Ion Ratio Lower Upper

228 100

229 29.7 15.4 23.2#

226 33.7 21.2 31.8#



#81

Bis(2-ethylhexyl)phthalate

Concen: 34.69 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

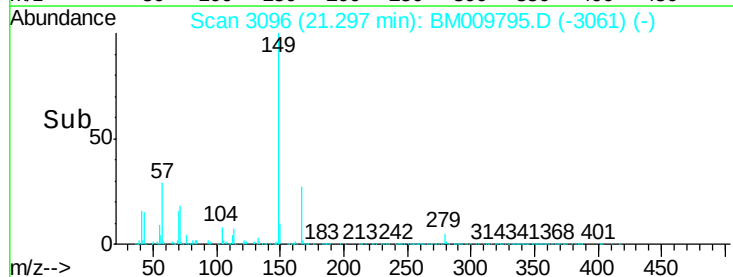
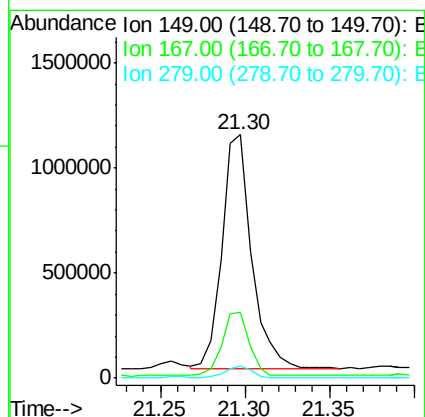
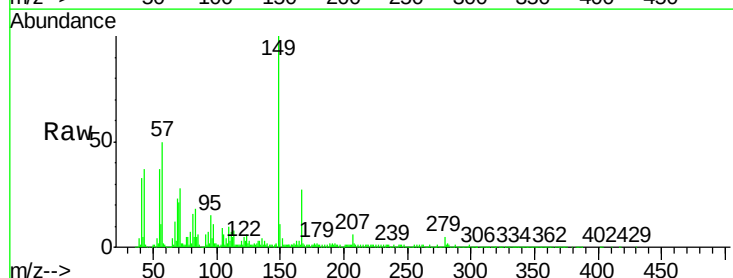
Tgt Ion:149 Resp: 1363624

Ion Ratio Lower Upper

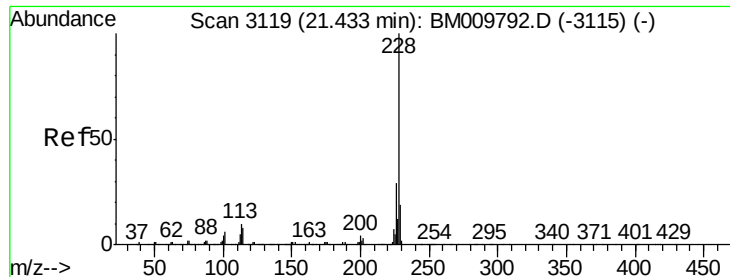
149 100

167 27.0 20.2 30.2

279 4.8 4.0 6.0







#82

Chrysene

Concen: 1.79 ng/ul

RT: 21.44 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampled :

JHSZ7

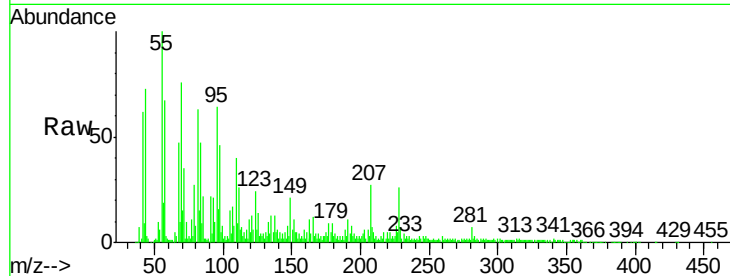
Tgt Ion:228 Resp: 105725

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 27.9 15.4 23.2#



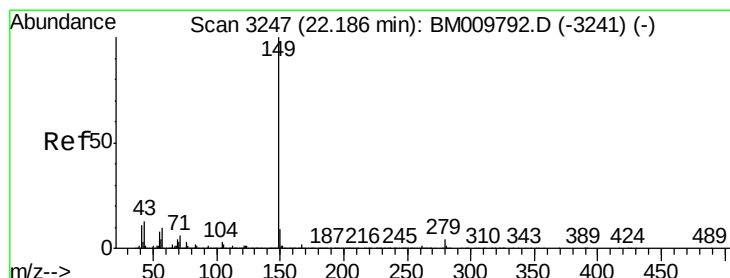
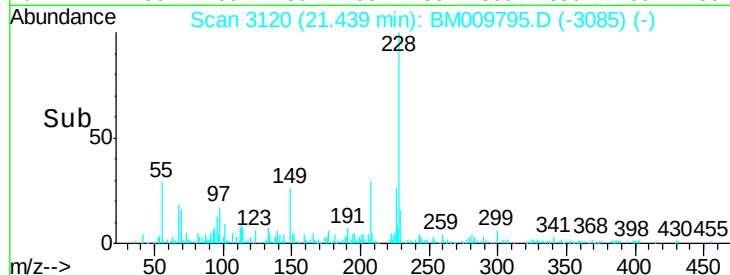
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.44

Time-->



#84

Di-n-octyl phthalate

Concen: 3.16 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

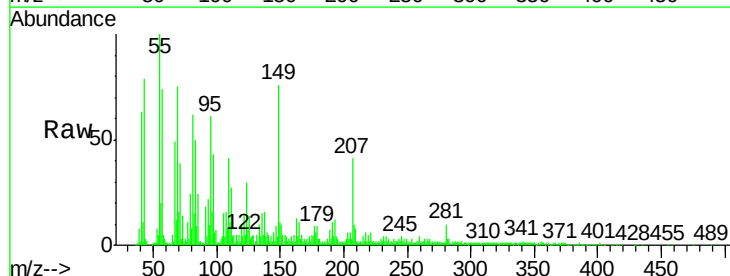
Tgt Ion:149 Resp: 195045

Ion Ratio Lower Upper

149 100

167 6.7 1.4 2.0#

43 105.0 13.7 20.5#



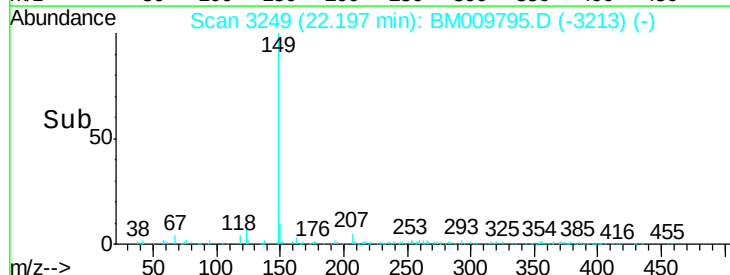
Abundance Ion 149.00 (148.70 to 149.70): E

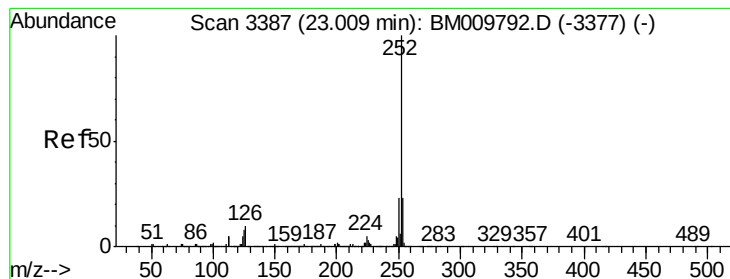
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

22.20

Time-->





#85

Benzo(b)fluoranthene

Concen: 2.10 ng/ul

RT: 23.01 min Scan# 3388

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

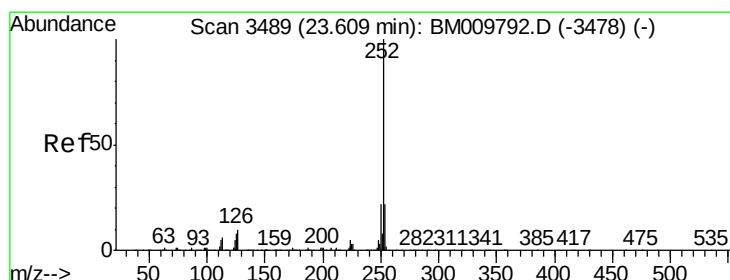
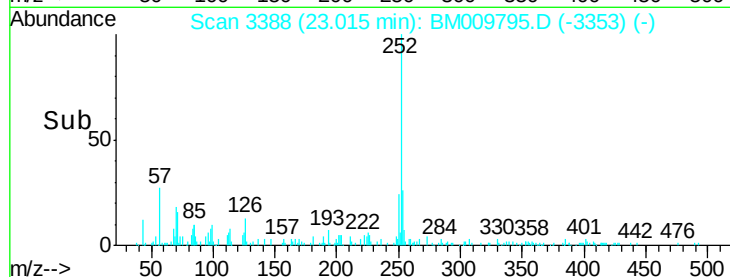
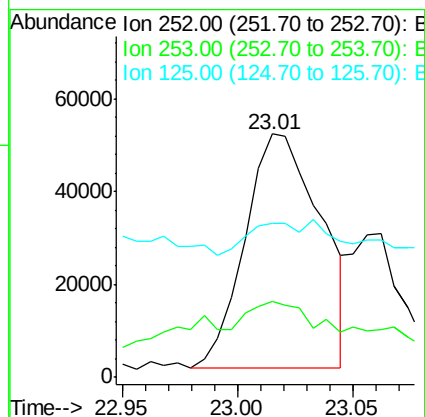
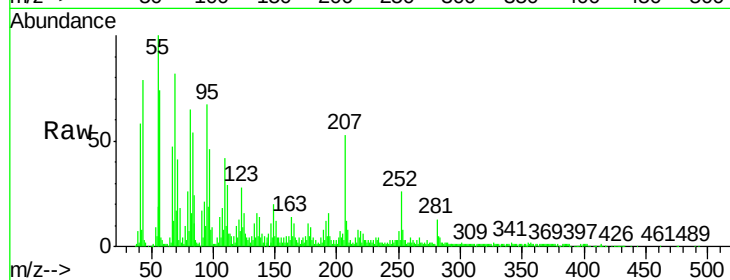
Tgt Ion:252 Resp: 115122

Ion Ratio Lower Upper

252 100

253 31.3 17.0 25.4#

125 63.5 3.7 5.5#



#88

Benzo(a)pyrene

Concen: 1.71 ng/ul

RT: 23.62 min Scan# 3491

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

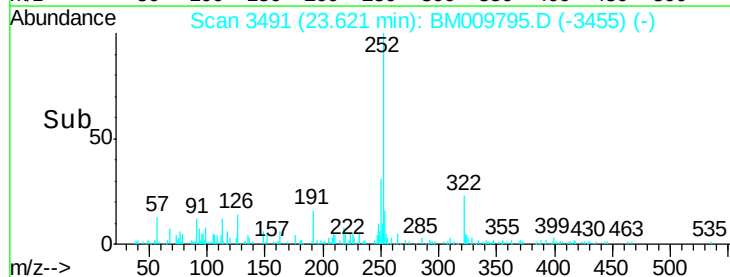
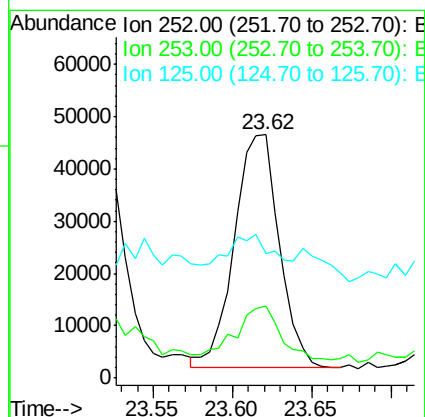
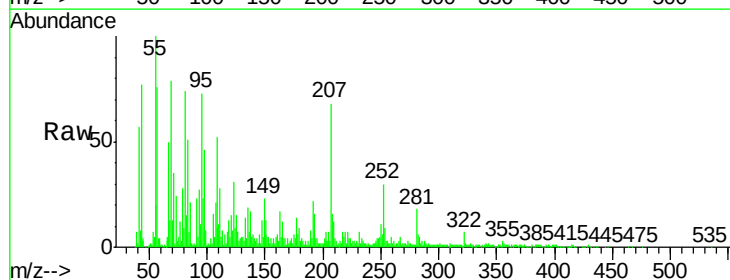
Tgt Ion:252 Resp: 87098

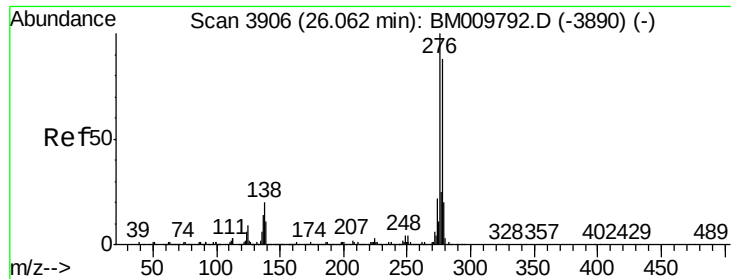
Ion Ratio Lower Upper

252 100

253 29.5 17.4 26.0#

125 51.3 3.7 5.5#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.24 ng/ul

RT: 26.07 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

Instrument :

BNA\_M

ClientSampleId :

JHSZ7

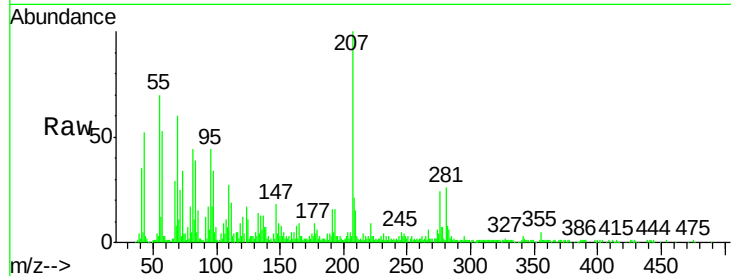
Tgt Ion:276 Resp: 68550

Ion Ratio Lower Upper

276 100

138 29.1 8.2 12.2#

277 28.0 21.5 32.3



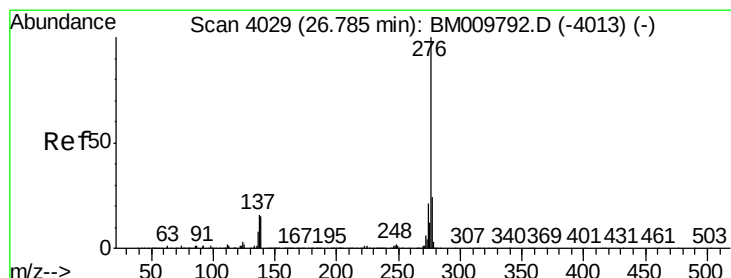
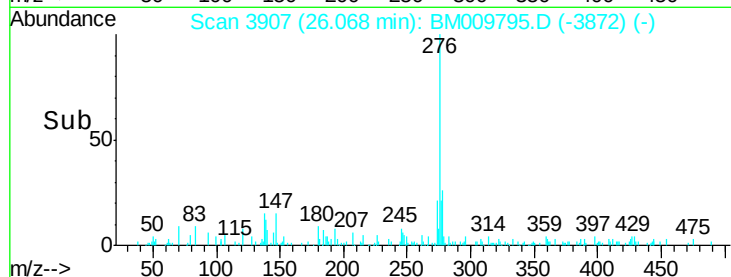
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

26.07

Time-->



#91

Benzo(g,h,i)perylene

Concen: 1.77 ng/ul

RT: 26.80 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM009795.D

Acq: 29 Apr 2017 00:03

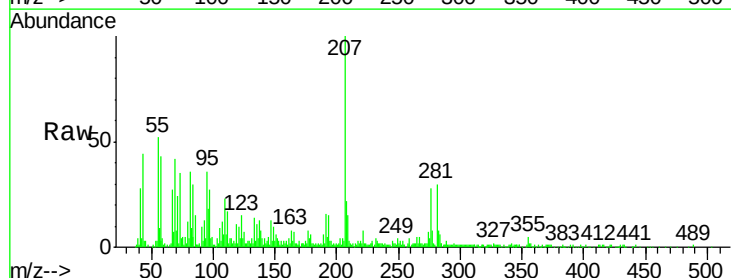
Tgt Ion:276 Resp: 78396

Ion Ratio Lower Upper

276 100

138 27.4 7.0 10.4#

277 29.2 19.0 28.6#



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

26.80

Time-->

