

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM102416\  
 Data File : BM007716.D  
 Acq On : 24 Oct 2016 12:16  
 Operator : UM/SJ  
 Sample : H5349-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X2678

Quant Time: Oct 24 13:01:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM102016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 24 12:55:22 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 185906   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 722179   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 466981   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 944249   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.31 | 240  | 1259157  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.57 | 264  | 1316112  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 27512   | 6.34  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 478790  | 33.37 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 286084  | 33.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 374774  | 34.06 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 378036  | 33.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 177029  | 34.06 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 195309  | 35.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 356237  | 32.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 450569  | 36.46 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 1141507 | 35.90 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 1320724 | 34.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 153128  | 30.46 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.38 | 176 | 974006  | 34.95 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 180244  | 32.13 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.23 | 188 | 1514750 | 35.60 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.53 | 212 | 1786477 | 34.53 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.43 | 264 | 2053957 | 35.75 | ng/ul | 0.00 |

## Target Compounds

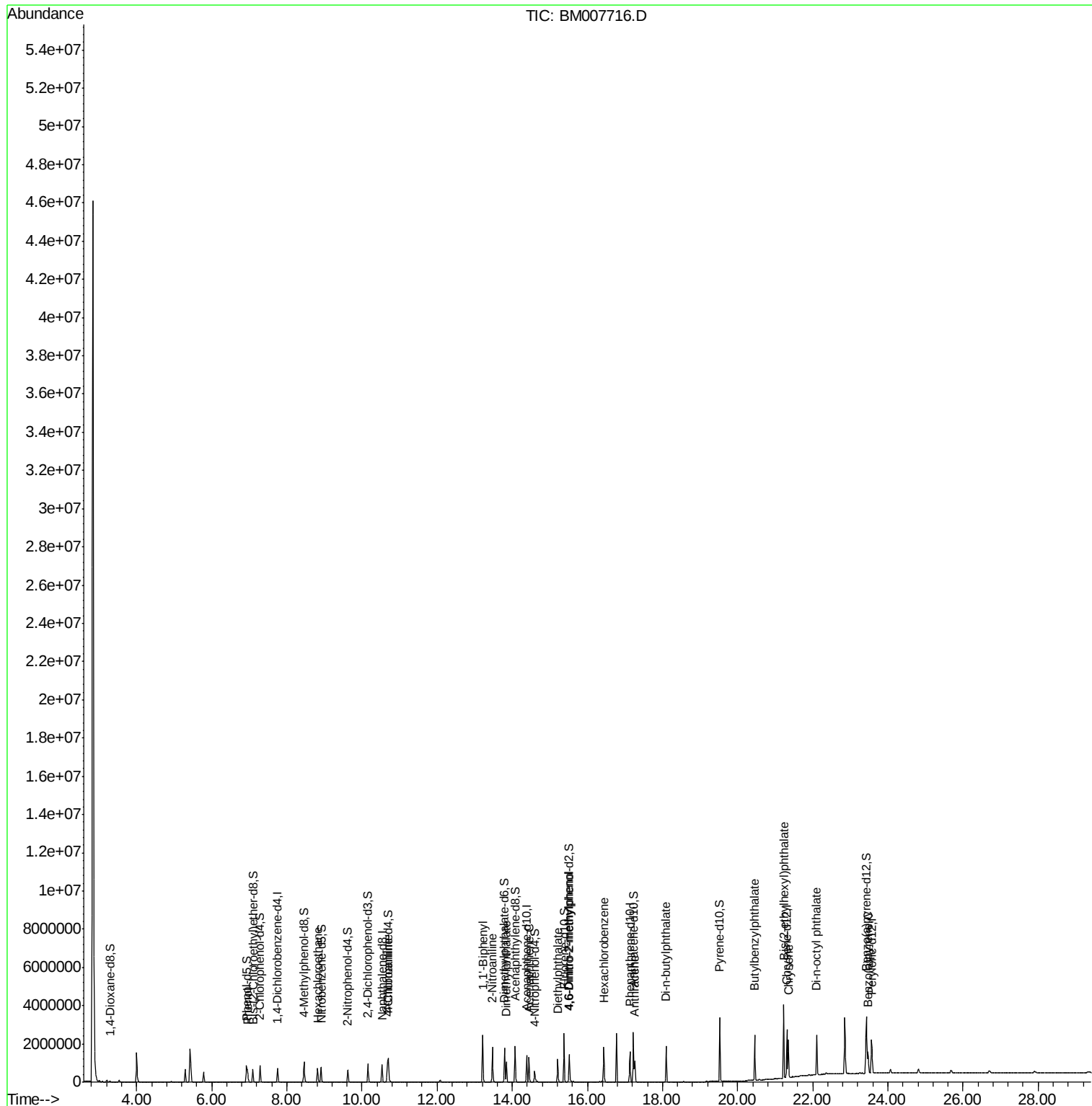
|                                |       |     |         |       |       | Qvalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 6) Phenol                      | 6.95  | 94  | 327258  | 22.22 | ng/ul | 97     |
| 17) Hexachloroethane           | 8.82  | 117 | 133312  | 26.72 | ng/ul | 96     |
| 30) 4-Chloroaniline            | 10.70 | 127 | 589931  | 47.03 | ng/ul | 100    |
| 40) 1,1'-Biphenyl              | 13.22 | 154 | 1311780 | 39.84 | ng/ul | 99     |
| 42) 2-Nitroaniline             | 13.47 | 65  | 513841  | 76.89 | ng/ul | 100    |
| 44) Dimethylphthalate          | 13.84 | 163 | 668314  | 21.64 | ng/ul | 99     |
| 49) Acenaphthene               | 14.45 | 153 | 527195  | 19.69 | ng/ul | 98     |
| 56) Diethylphthalate           | 15.21 | 149 | 648273  | 21.21 | ng/ul | 99     |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198 | 247898  | 42.77 | ng/ul | 97     |
| 66) Hexachlorobenzene          | 16.44 | 284 | 380536  | 31.90 | ng/ul | 97     |
| 71) Anthracene                 | 17.26 | 178 | 669623  | 13.10 | ng/ul | 99     |
| 73) Di-n-butylphthalate        | 18.10 | 149 | 1305132 | 26.48 | ng/ul | 99     |
| 78) Butylbenzylphthalate       | 20.46 | 149 | 695576  | 30.06 | ng/ul | 98     |
| 81) Bis(2-ethylhexyl)phthalate | 21.23 | 149 | 1212918 | 35.59 | ng/ul | 98     |
| 82) Chrysene                   | 21.35 | 228 | 1041735 | 16.11 | ng/ul | 99     |
| 84) Di-n-octyl phthalate       | 22.10 | 149 | 1290435 | 19.34 | ng/ul | 99     |
| 88) Benzo(a)pyrene             | 23.47 | 252 | 863884  | 12.20 | ng/ul | 99     |

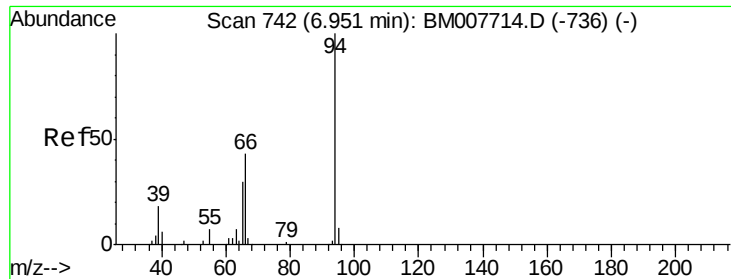
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 22.22 ng/ul

RT: 6.95 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA\_M

ClientSampleId :

X2678

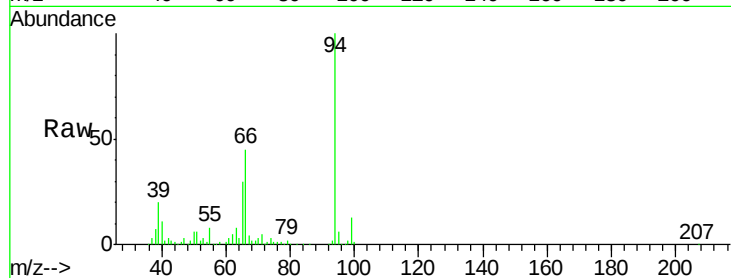
Tgt Ion: 94 Resp: 327258

Ion Ratio Lower Upper

94 100

65 30.2 23.9 35.9

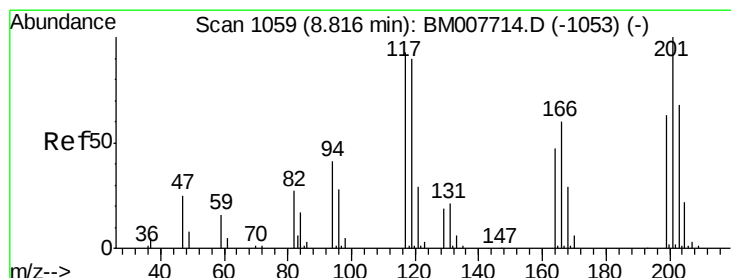
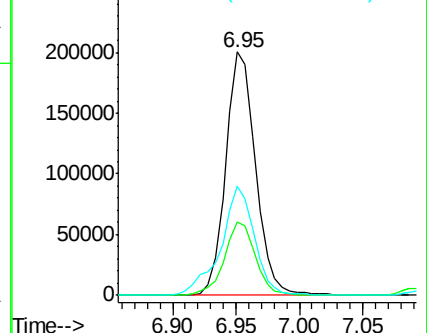
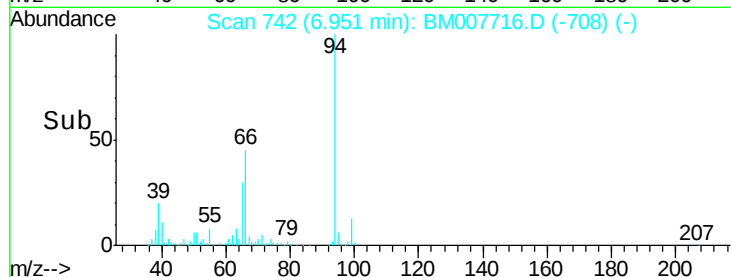
66 45.0 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007716.D (-1025) (-)

Ion 65.00 (64.70 to 65.70): BM007716.D (-1025) (-)

Ion 66.00 (65.70 to 66.70): BM007716.D (-1025) (-)



#17

Hexachloroethane

Concen: 26.72 ng/ul

RT: 8.82 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

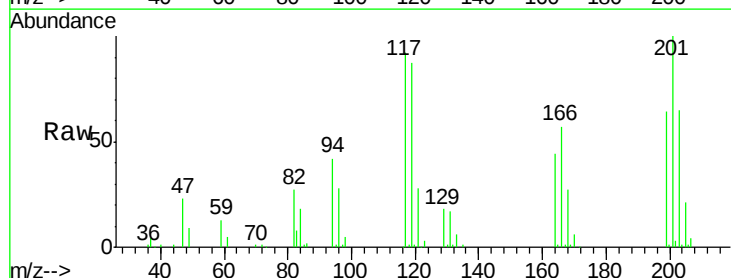
Tgt Ion: 117 Resp: 133312

Ion Ratio Lower Upper

117 100

201 109.1 90.3 135.5

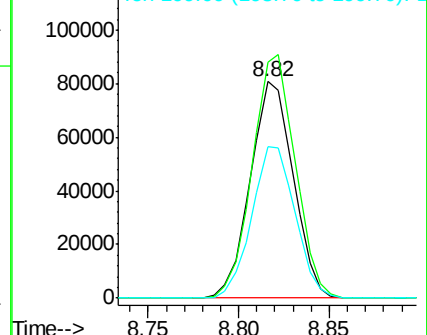
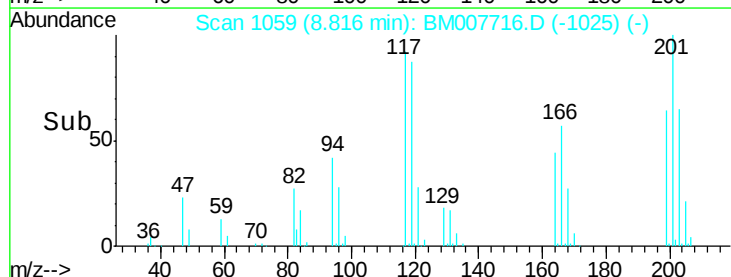
199 70.0 58.5 87.7

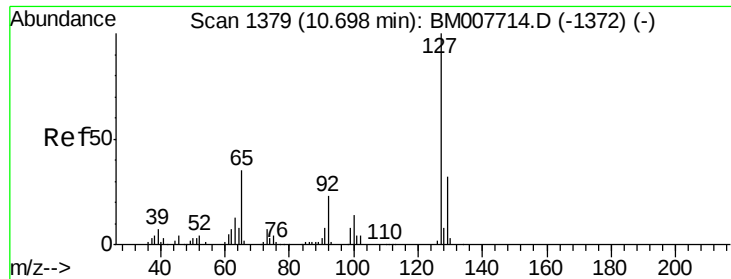


Abundance Ion 117.00 (116.70 to 117.70): BM007716.D (-1025) (-)

Ion 201.00 (200.70 to 201.70): BM007716.D (-1025) (-)

Ion 199.00 (198.70 to 199.70): BM007716.D (-1025) (-)

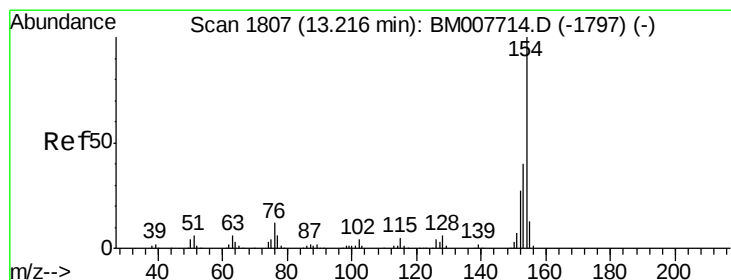
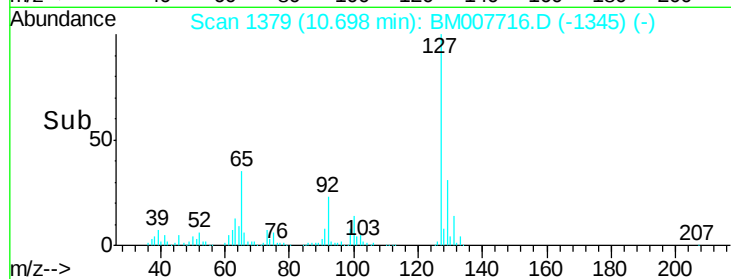
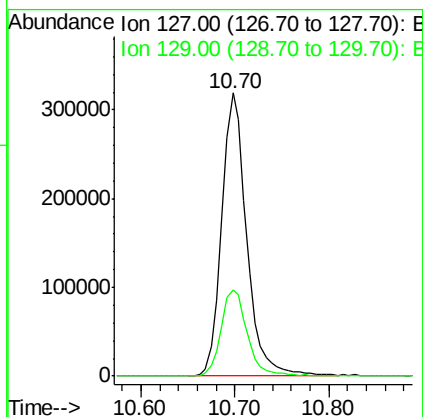
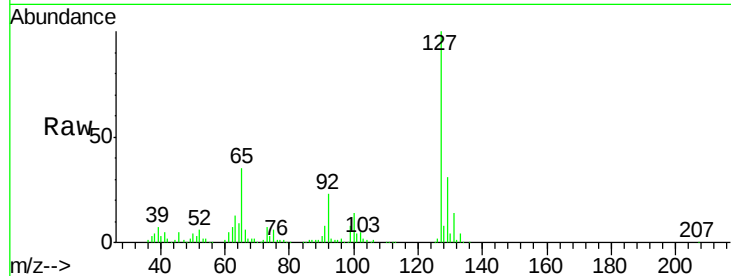




#30  
 4-Chloroaniline  
 Concen: 47.03 ng/ul  
 RT: 10.70 min Scan# 1379  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

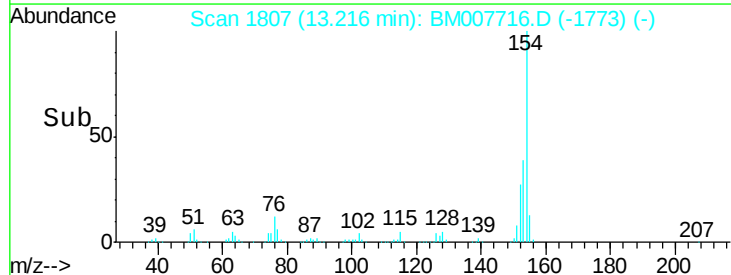
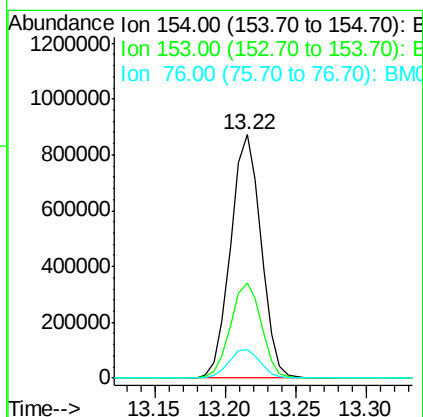
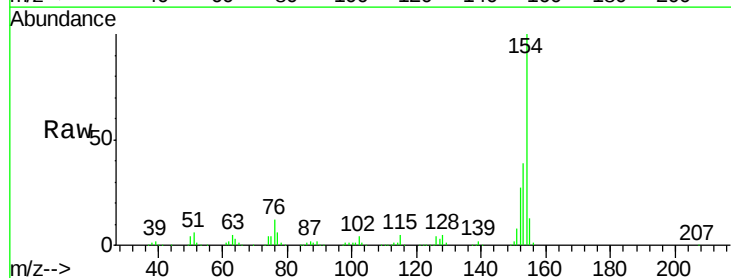
Instrument :  
 BNA\_M  
 ClientSampleId :  
 X2678

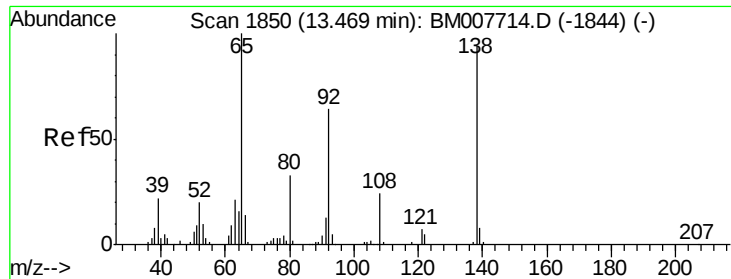
Tgt Ion:127 Resp: 589931  
 Ion Ratio Lower Upper  
 127 100  
 129 30.6 24.6 37.0



#40  
 1,1'-Biphenyl  
 Concen: 39.84 ng/ul  
 RT: 13.22 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

Tgt Ion:154 Resp: 1311780  
 Ion Ratio Lower Upper  
 154 100  
 153 39.3 31.3 46.9  
 76 11.7 10.0 15.0





#42

2-Nitroaniline

Concen: 76.89 ng/ul

RT: 13.47 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA\_M

ClientSampleId :

X2678

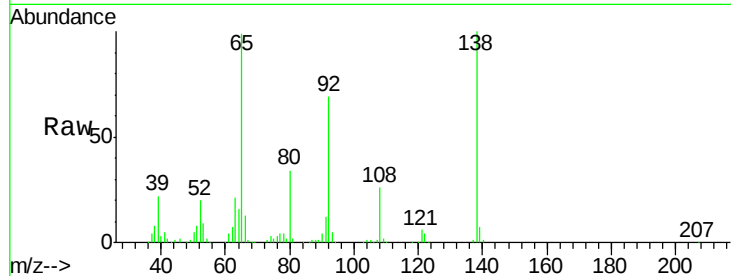
Tgt Ion: 65 Resp: 513841

Ion Ratio Lower Upper

65 100

92 69.7 55.6 83.4

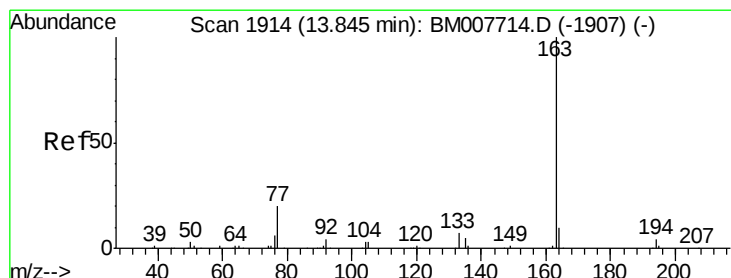
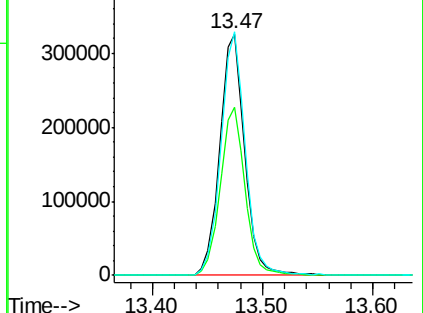
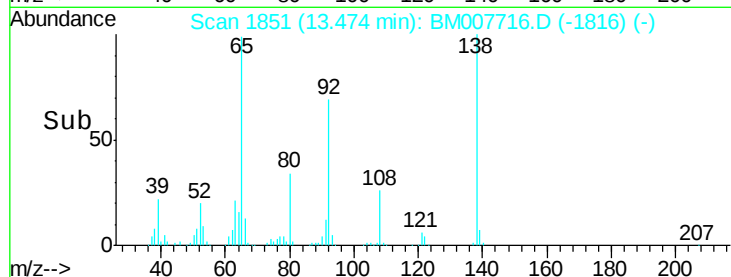
138 100.9 81.3 121.9



Abundance Ion 65.00 (64.70 to 65.70): BM007716.D (-1816) (-)

Ion 92.00 (91.70 to 92.70): BM007716.D (-1816) (-)

Ion 138.00 (137.70 to 138.70): BM007716.D (-1816) (-)



#44

Dimethylphthalate

Concen: 21.64 ng/ul

RT: 13.84 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

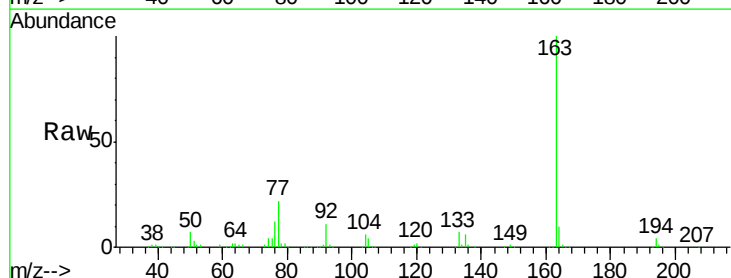
Tgt Ion: 163 Resp: 668314

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

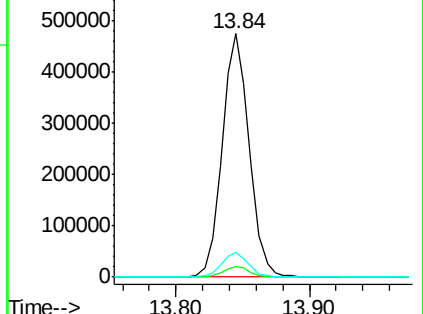
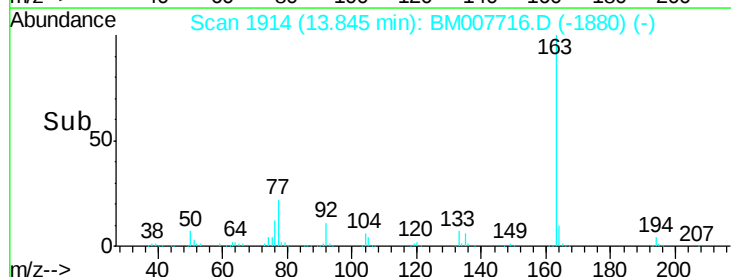
164 10.2 7.8 11.8

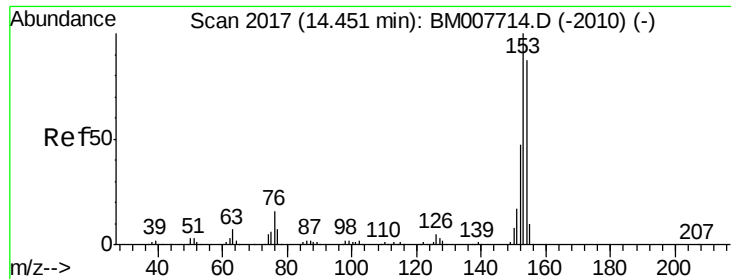


Abundance Ion 163.00 (162.70 to 163.70): BM007716.D (-1880) (-)

Ion 194.00 (193.70 to 194.70): BM007716.D (-1880) (-)

Ion 164.00 (163.70 to 164.70): BM007716.D (-1880) (-)





#49

Acenaphthene

Concen: 19.69 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA\_M

ClientSampleId :

X2678

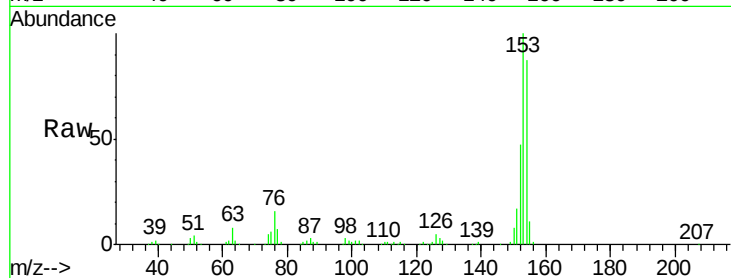
Tgt Ion:153 Resp: 527195

Ion Ratio Lower Upper

153 100

152 47.2 37.8 56.6

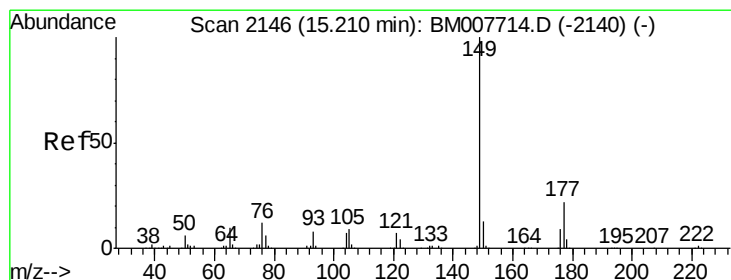
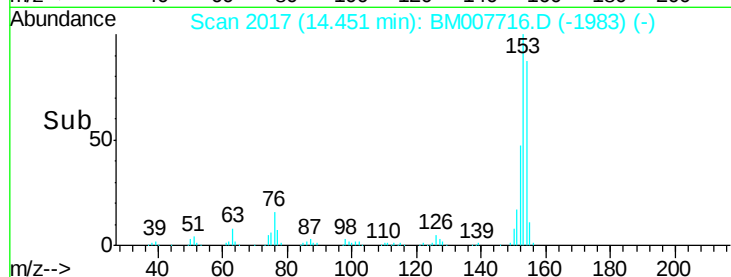
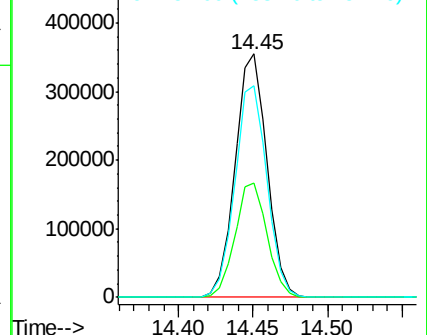
154 87.1 71.4 107.0



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



#56

Diethylphthalate

Concen: 21.21 ng/ul

RT: 15.21 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

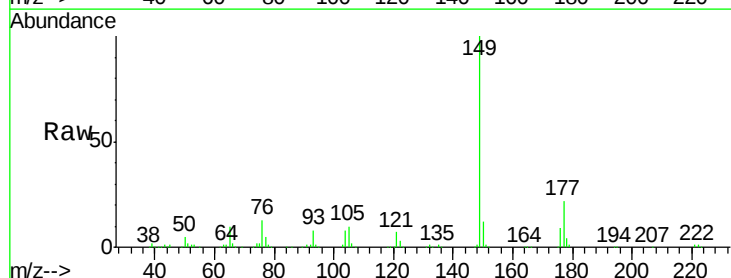
Tgt Ion:149 Resp: 648273

Ion Ratio Lower Upper

149 100

177 22.3 18.6 28.0

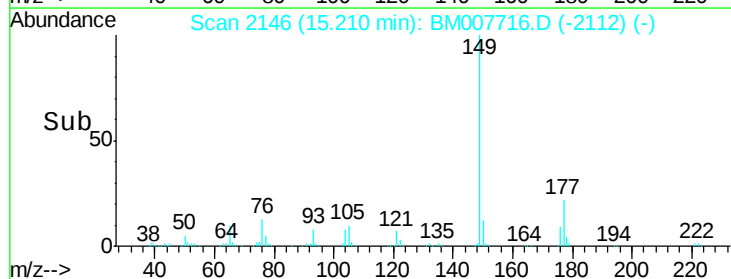
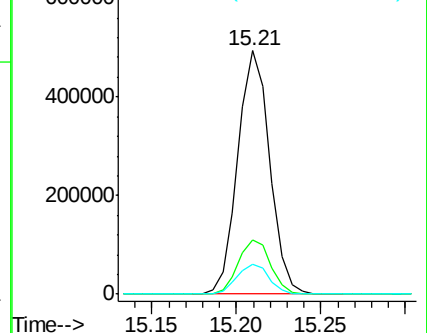
150 12.3 10.0 15.0

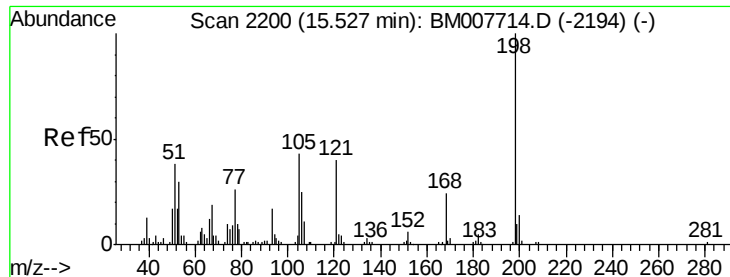


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

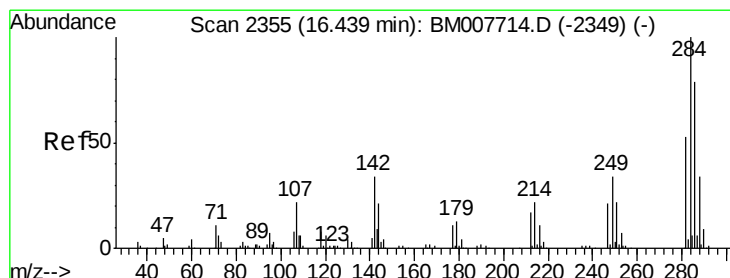
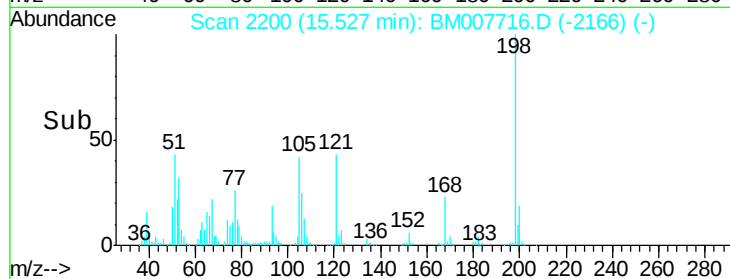
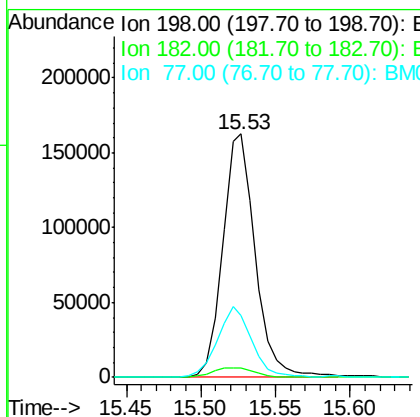
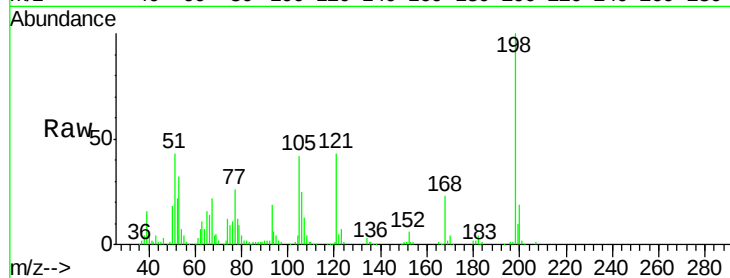




#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 42.77 ng/ul  
 RT: 15.53 min Scan# 2200  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

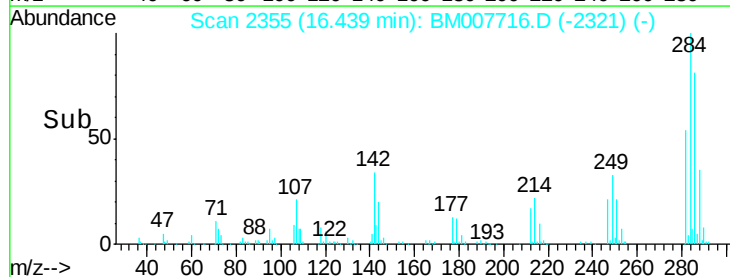
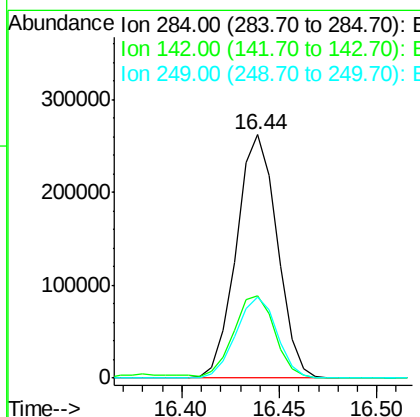
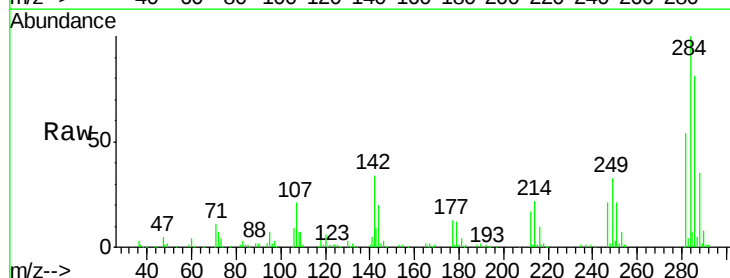
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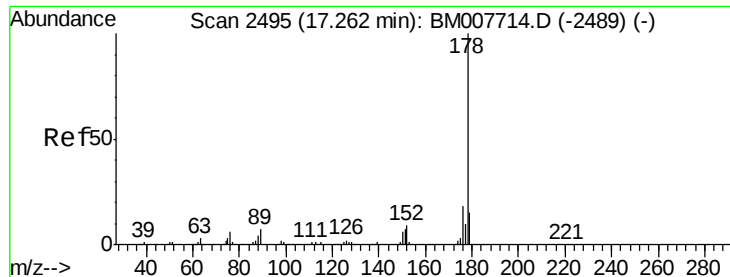
Tgt Ion:198 Resp: 247898  
 Ion Ratio Lower Upper  
 198 100  
 182 3.6 3.3 4.9  
 77 25.6 21.8 32.6



#66  
 Hexachlorobenzene  
 Concen: 31.90 ng/ul  
 RT: 16.44 min Scan# 2355  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

Tgt Ion:284 Resp: 380536  
 Ion Ratio Lower Upper  
 284 100  
 142 33.6 24.9 37.3  
 249 33.2 25.5 38.3

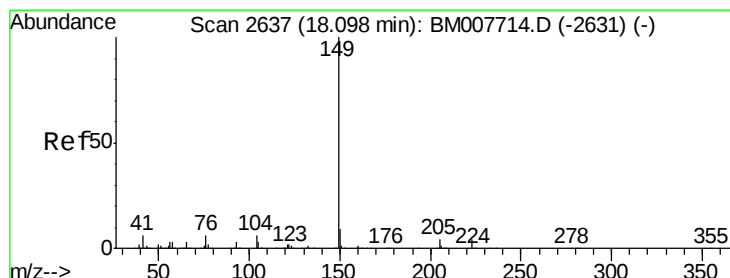
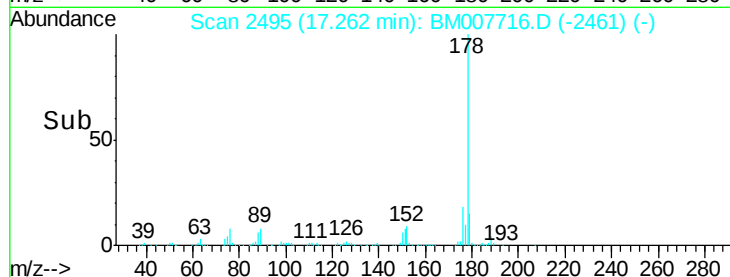
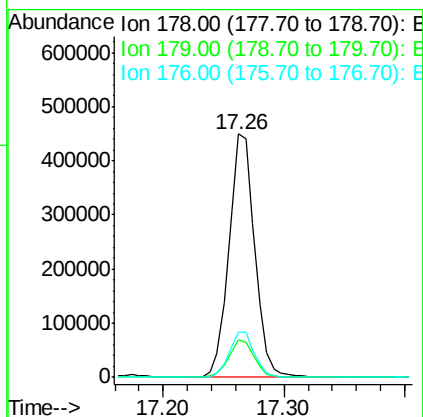
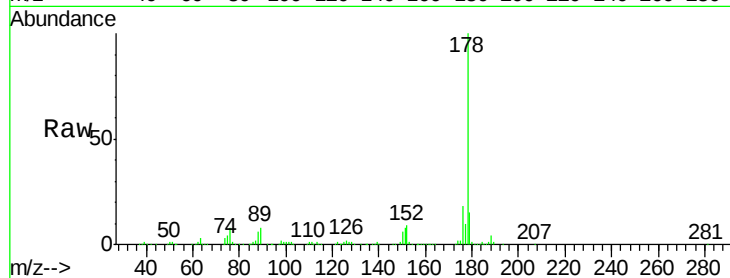




#71  
 Anthracene  
 Concen: 13.10 ng/ul  
 RT: 17.26 min Scan# 2495  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

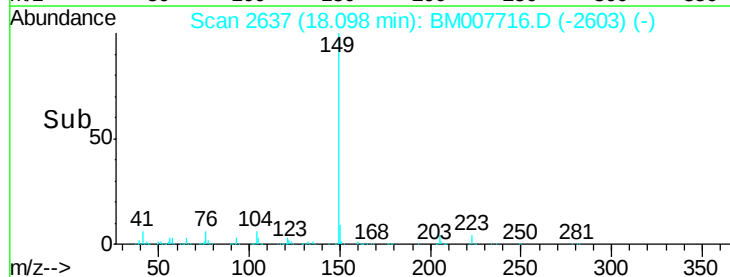
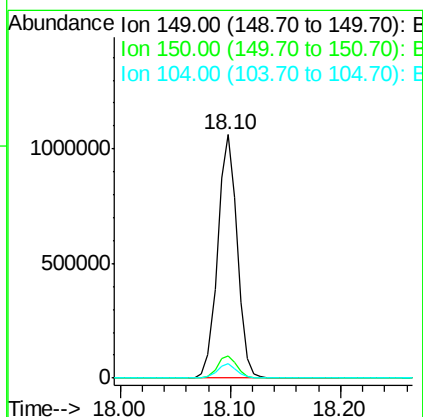
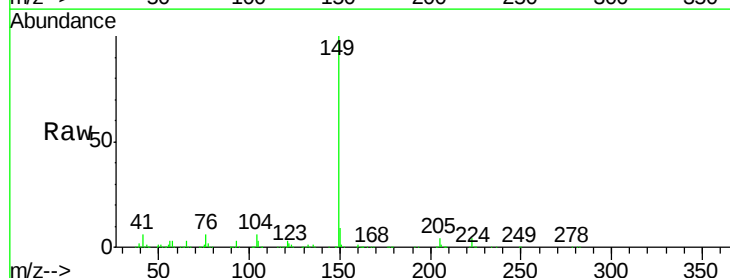
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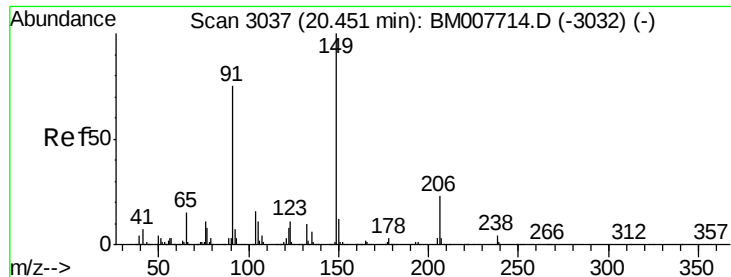
Tgt Ion:178 Resp: 669623  
 Ion Ratio Lower Upper  
 178 100  
 179 15.3 12.1 18.1  
 176 18.4 14.5 21.7



#73  
 Di-n-butylphthalate  
 Concen: 26.48 ng/ul  
 RT: 18.10 min Scan# 2637  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

Tgt Ion:149 Resp: 1305132  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.6 11.4  
 104 6.2 4.6 7.0

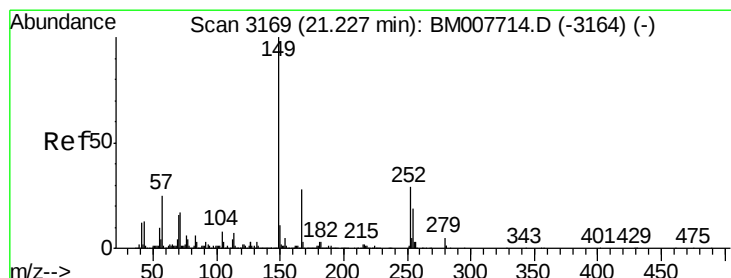
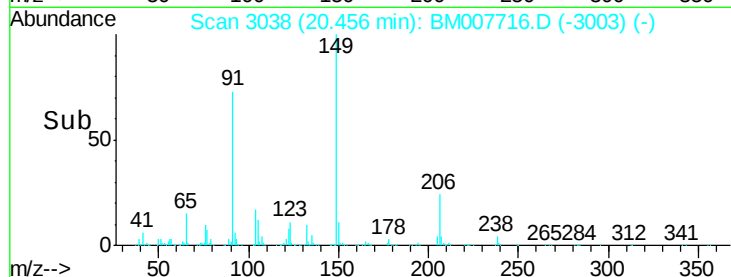
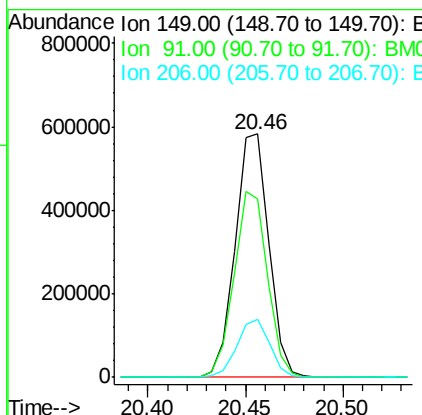
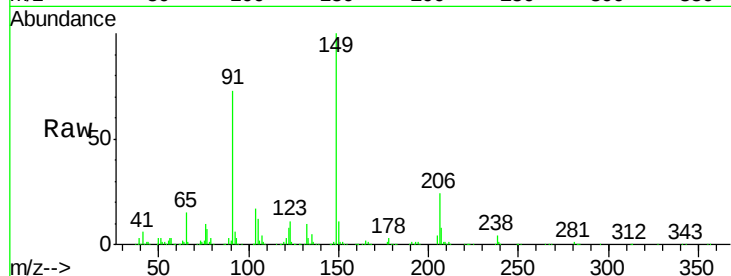




#78  
 Butylbenzylphthalate  
 Concen: 30.06 ng/ul  
 RT: 20.46 min Scan# 3038  
 Delta R.T. 0.01 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

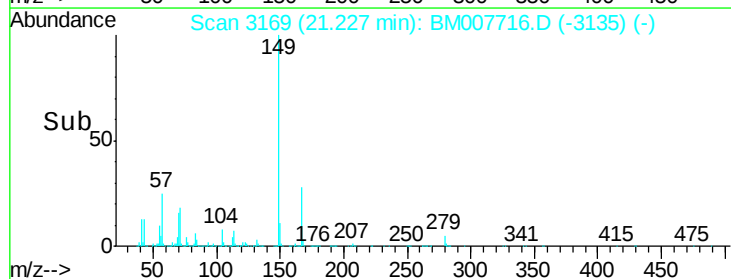
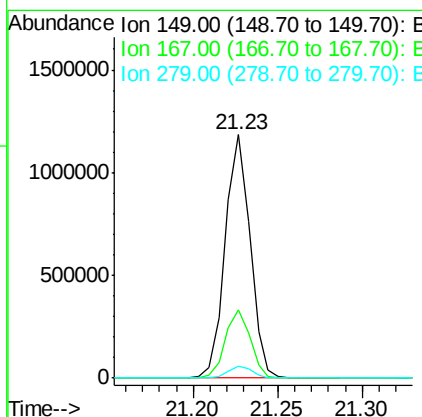
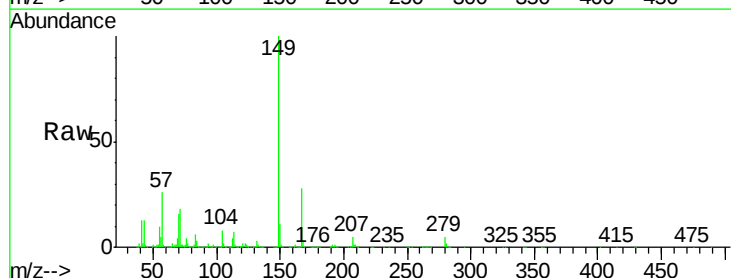
Instrument :  
 BNA\_M  
 ClientSampleId :  
 X2678

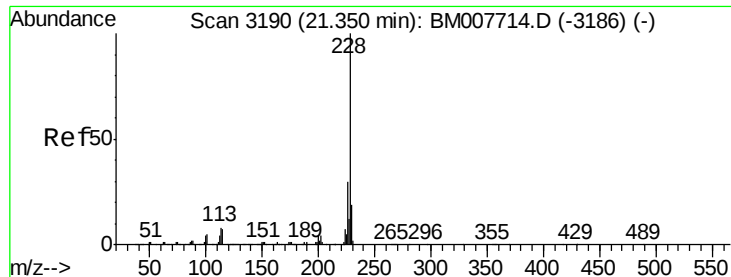
Tgt Ion:149 Resp: 695576  
 Ion Ratio Lower Upper  
 149 100  
 91 73.4 57.3 85.9  
 206 23.8 18.6 27.8



#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 35.59 ng/ul  
 RT: 21.23 min Scan# 3169  
 Delta R.T. -0.00 min  
 Lab File: BM007716.D  
 Acq: 24 Oct 2016 12:16

Tgt Ion:149 Resp: 1212918  
 Ion Ratio Lower Upper  
 149 100  
 167 28.0 23.2 34.8  
 279 4.9 4.1 6.1





#82

Chrysene

Concen: 16.11 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA\_M

ClientSampleId :

X2678

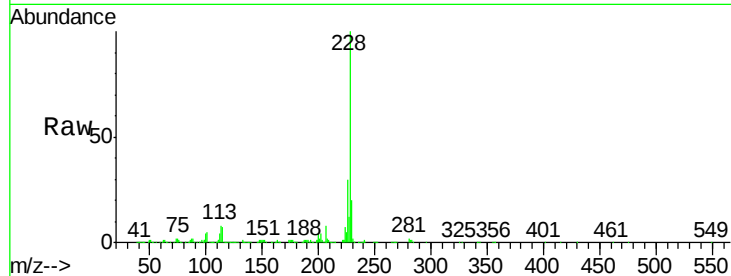
Tgt Ion:228 Resp: 1041735

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

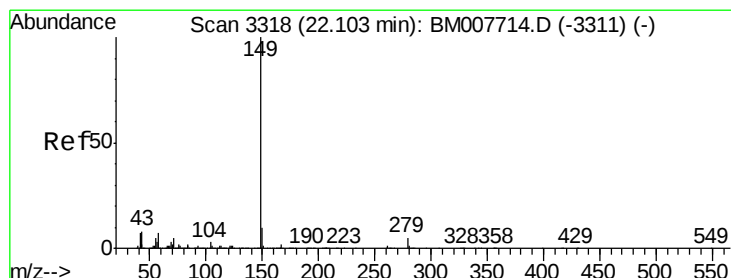
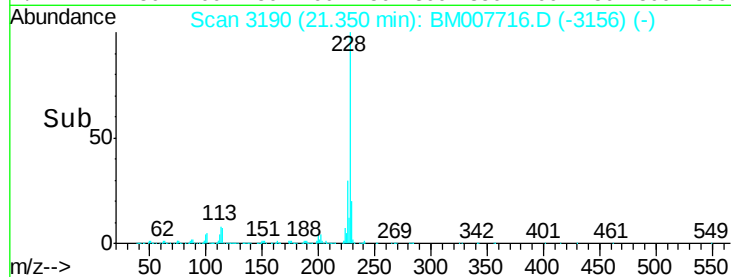
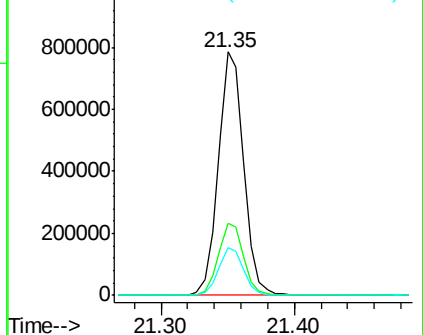
229 19.8 15.5 23.3



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



#84

Di-n-octyl phthalate

Concen: 19.34 ng/ul

RT: 22.10 min Scan# 3318

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

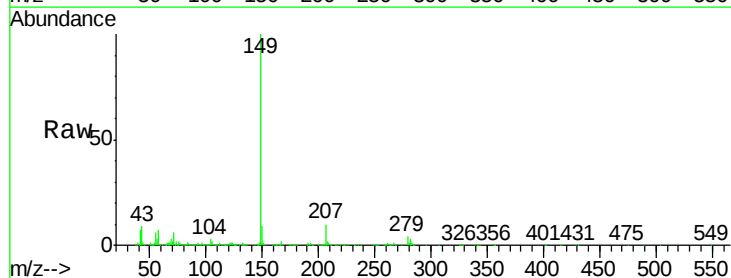
Tgt Ion:149 Resp: 1290435

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

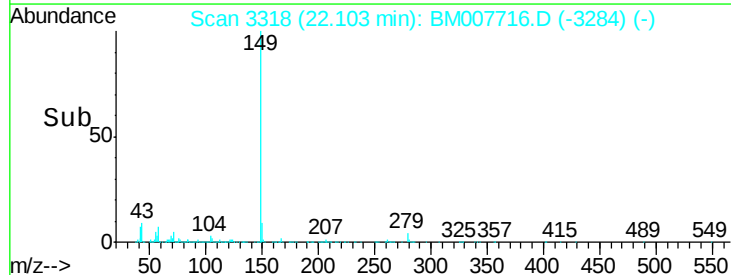
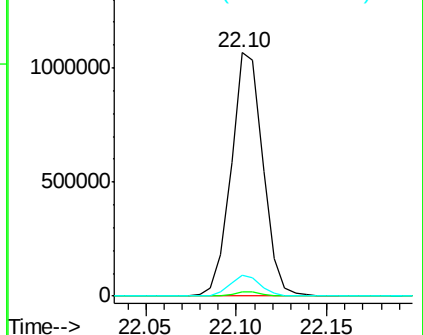
43 8.7 6.6 10.0

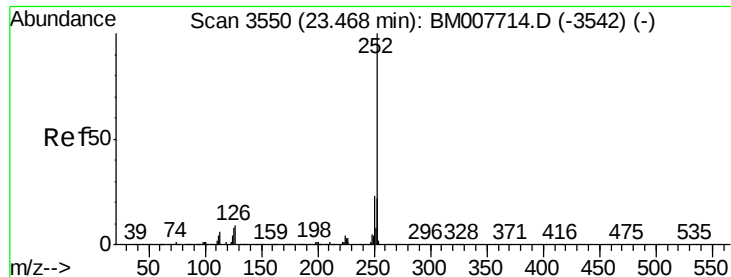


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#88

Benzo(a)pyrene

Concen: 12.20 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.00 min

Lab File: BM007716.D

Acq: 24 Oct 2016 12:16

Instrument :

BNA\_M

ClientSampleId :

X2678

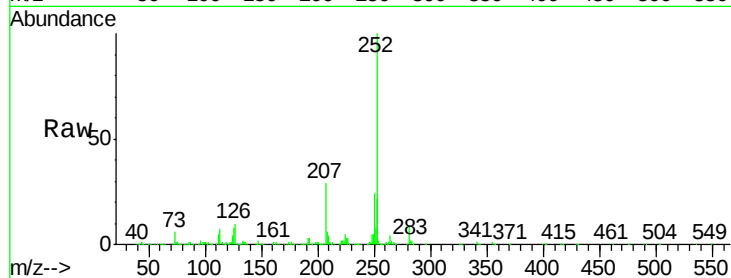
Tgt Ion:252 Resp: 863884

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 8.2 6.6 9.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

