

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051316\  
 Data File : BM005460.D  
 Acq On : 14 May 2016 11:12  
 Operator : UM/SJ  
 Sample : H2834-15MSD  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H4061MSD

Quant Time: May 16 03:41:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 14 00:15:57 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 51562    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 238097   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.39 | 164  | 150598   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 383066   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 473564   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.61 | 264  | 401608   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 4317   | 3.94  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 103897 | 22.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 60651  | 22.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 81400  | 23.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 87220  | 22.56 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 41853  | 24.62 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 48316  | 25.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 85950  | 24.03 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 57087  | 13.26 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.80 | 166 | 315991 | 26.18 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.08 | 160 | 356861 | 25.20 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 38668  | 17.55 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.39 | 176 | 261046 | 25.04 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 32721  | 15.18 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.24 | 188 | 428673 | 25.32 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.54 | 212 | 531506 | 24.31 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.47 | 264 | 452484 | 25.45 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       | Qvalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 4) Benzaldehyde                | 6.91  | 77  | 4187   | 1.85  | ng/ul# | 83  |
| 6) Phenol                      | 6.96  | 94  | 109781 | 22.71 | ng/ul  | 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.32  | 93  | 1818   | 0.50  | ng/ul# | 1   |
| 10) 2-Chlorophenol             | 7.32  | 128 | 81446  | 22.54 | ng/ul  | 97  |
| 14) Acetophenone               | 8.57  | 105 | 7587   | 1.32  | ng/ul  | 97  |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 78401  | 26.20 | ng/ul  | 98  |
| 20) Nitrobenzene               | 9.03  | 77  | 384    | 0.09  | ng/ul# | 41  |
| 21) Isophorone                 | 9.62  | 82  | 4274   | 0.52  | ng/ul# | 67  |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 110585 | 25.18 | ng/ul  | 99  |
| 42) 2-Nitroaniline             | 13.32 | 65  | 3107   | 1.12  | ng/ul# | 14  |
| 44) Dimethylphthalate          | 13.84 | 163 | 95220  | 7.89  | ng/ul  | 99  |
| 45) 2,6-Dinitrotoluene         | 13.84 | 165 | 988    | 0.42  | ng/ul# | 26  |
| 49) Acenaphthene               | 14.46 | 153 | 245941 | 24.91 | ng/ul  | 99  |
| 52) 4-Nitrophenol              | 14.64 | 109 | 37291  | 20.36 | ng/ul  | 90  |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165 | 94898  | 26.75 | ng/ul  | 100 |
| 56) Diethylphthalate           | 15.22 | 149 | 431    | 0.04  | ng/ul# | 59  |
| 58) Fluorene                   | 15.39 | 166 | 370    | 0.03  | ng/ul# | 9   |
| 68) Pentachlorophenol          | 16.80 | 266 | 53059  | 23.18 | ng/ul  | 93  |
| 69) Phenanthrene               | 17.19 | 178 | 3200   | 0.16  | ng/ul  | 95  |
| 71) Anthracene                 | 17.19 | 178 | 3200   | 0.16  | ng/ul  | 95  |
| 72) Carbazole                  | 17.56 | 167 | 587    | 0.03  | ng/ul# | 60  |
| 73) Di-n-butylphthalate        | 18.10 | 149 | 2835   | 0.13  | ng/ul# | 78  |
| 74) Fluoranthene               | 19.21 | 202 | 8177   | 0.37  | ng/ul# | 96  |

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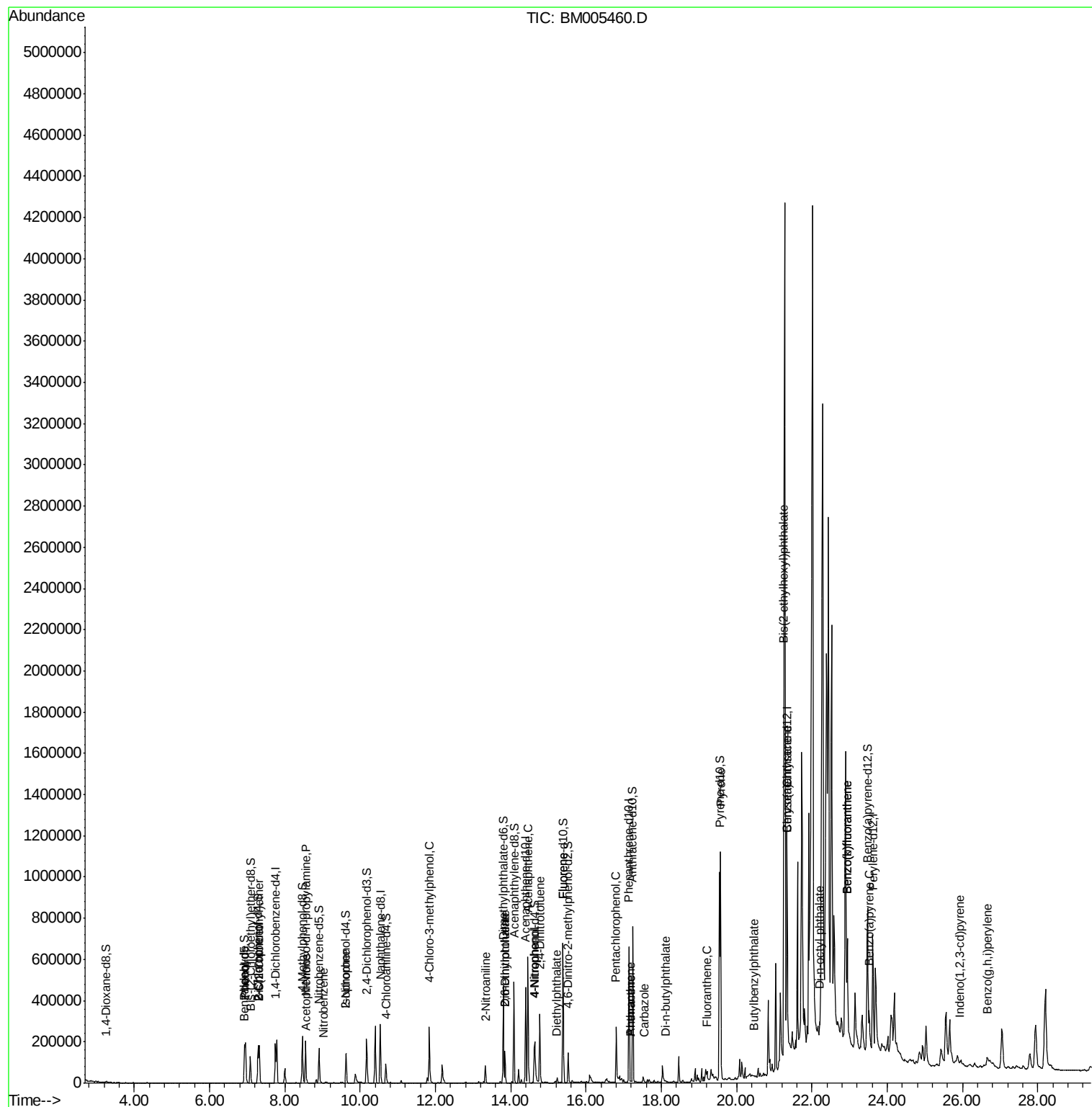
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 77) Pyrene                     | 19.57 | 202  | 677389   | 24.66 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.47 | 149  | 793      | 0.07  | ng/ul# | 30       |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 6873     | 0.25  | ng/ul# | 91       |
| 81) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 3877     | 0.24  | ng/ul# | 70       |
| 82) Chrysene                   | 21.33 | 228  | 6873     | 0.27  | ng/ul  | 93       |
| 84) Di-n-octyl phthalate       | 22.18 | 149  | 585      | 0.02  | ng/ul# | 1        |
| 85) Benzo(b)fluoranthene       | 22.94 | 252  | 11042    | 0.47  | ng/ul# | 1        |
| 86) Benzo(k)fluoranthene       | 22.94 | 252  | 11042    | 0.50  | ng/ul# | 1        |
| 88) Benzo(a)pyrene             | 23.51 | 252  | 4464     | 0.20  | ng/ul# | 1        |
| 89) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 1024     | 0.04  | ng/ul# | 49       |
| 91) Benzo(g,h,i)perylene       | 26.64 | 276  | 2042     | 0.10  | ng/ul# | 52       |

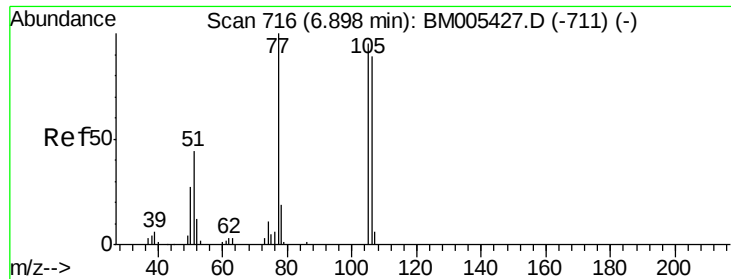
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.85 ng/ul

RT: 6.91 min Scan# 718

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

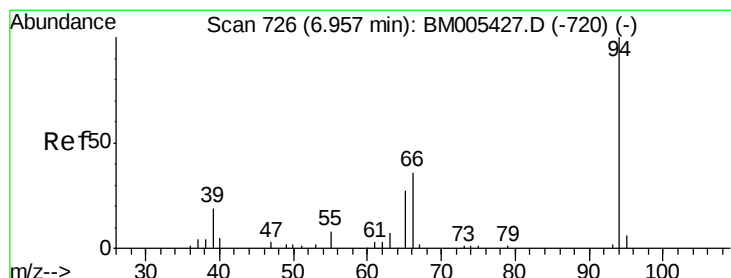
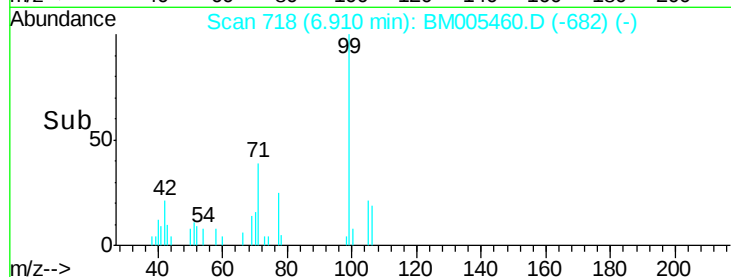
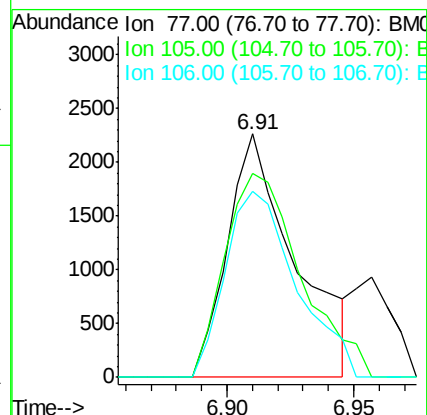
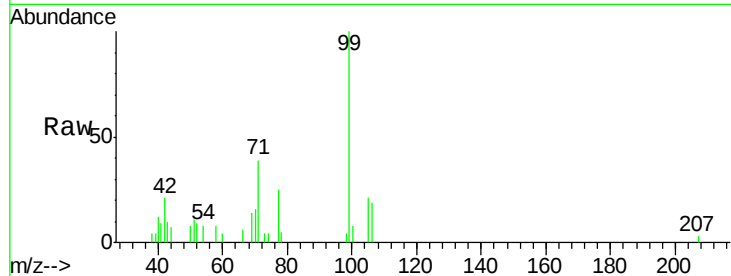
Tgt Ion: 77 Resp: 4187

Ion Ratio Lower Upper

77 100

105 83.8 77.6 116.4

106 76.3 77.9 116.9#



#6

Phenol

Concen: 22.71 ng/ul

RT: 6.96 min Scan# 726

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

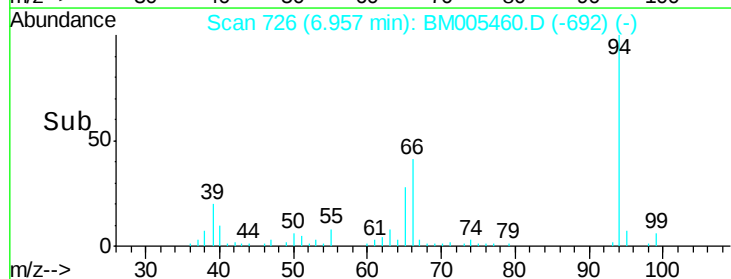
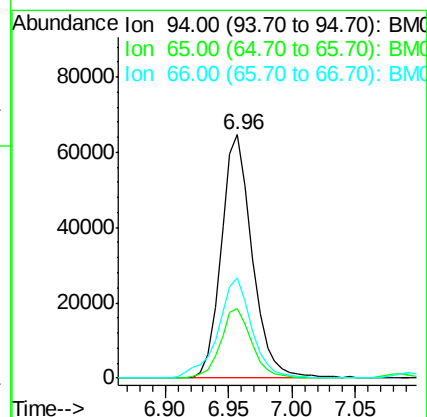
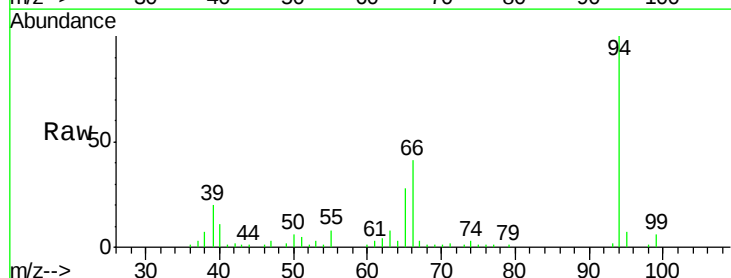
Tgt Ion: 94 Resp: 109781

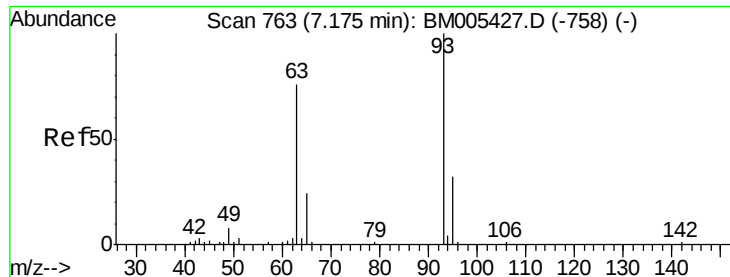
Ion Ratio Lower Upper

94 100

65 28.3 22.7 34.1

66 41.0 31.7 47.5





#8

Bis(2-Chloroethyl)ether

Concen: 0.50 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. 0.14 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

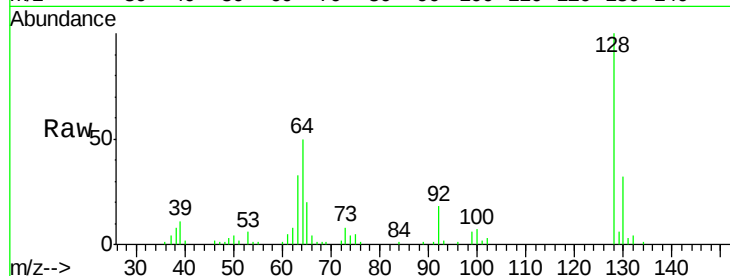
Tgt Ion: 93 Resp: 1818

Ion Ratio Lower Upper

93 100

63 1403.6 60.6 90.8#

95 0.0 24.2 36.4#

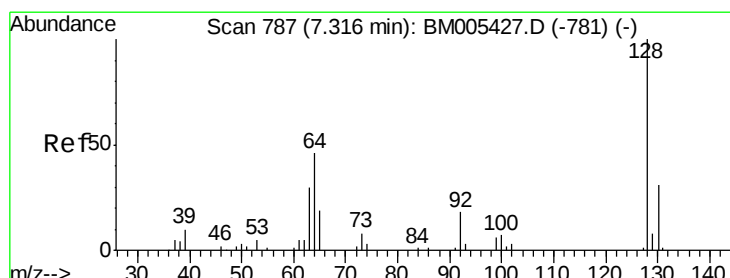
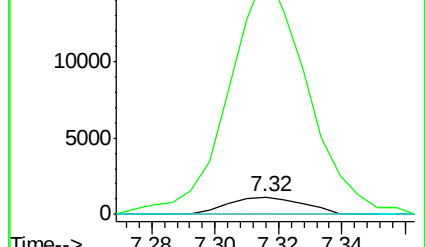
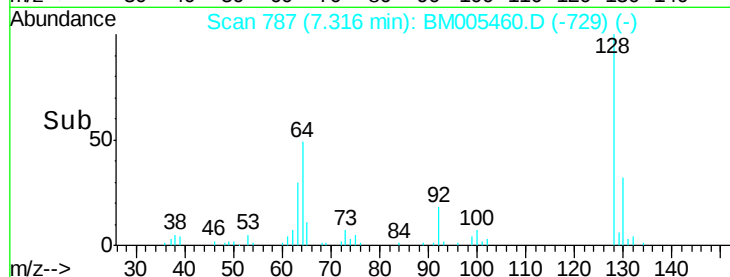


Abundance Ion 93.00 (92.70 to 93.70): BM005427.D (-758) (-)

Ion 63.00 (62.70 to 63.70): BM005427.D (-758) (-)

Ion 95.00 (94.70 to 95.70): BM005427.D (-758) (-)

Time-->



#10

2-Chlorophenol

Concen: 22.54 ng/ul

RT: 7.32 min Scan# 787

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

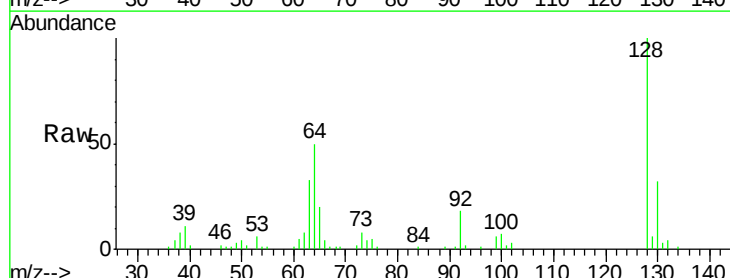
Tgt Ion: 128 Resp: 81446

Ion Ratio Lower Upper

128 100

64 50.2 37.8 56.8

130 32.2 24.9 37.3

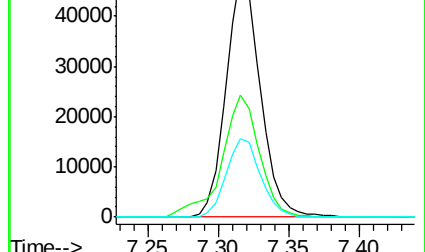
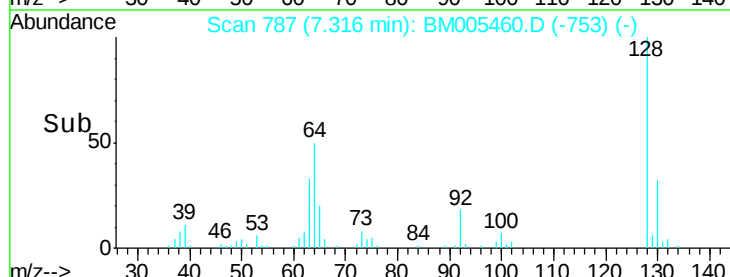


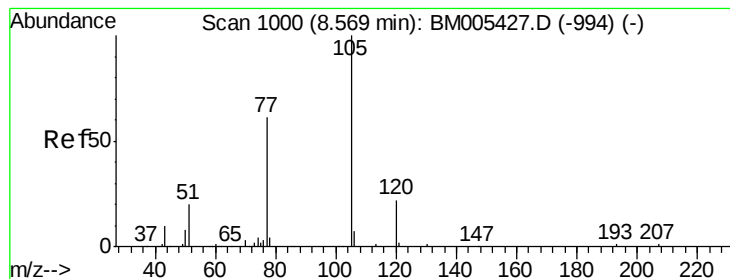
Abundance Ion 128.00 (127.70 to 128.70): BM005427.D (-781) (-)

Ion 64.00 (63.70 to 64.70): BM005427.D (-781) (-)

Ion 130.00 (129.70 to 130.70): BM005427.D (-781) (-)

Time-->





#14

Acetophenone

Concen: 1.32 ng/ul

RT: 8.57 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

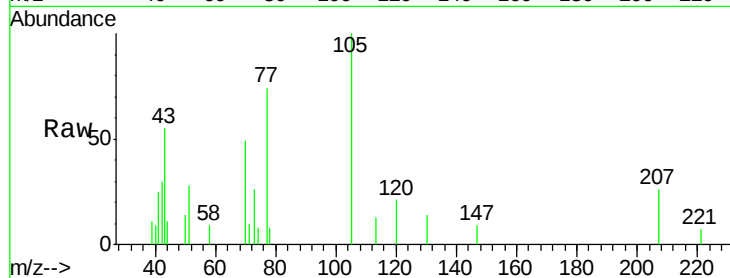
Tgt Ion: 105 Resp: 7587

Ion Ratio Lower Upper

105 100

77 74.2 61.2 91.8

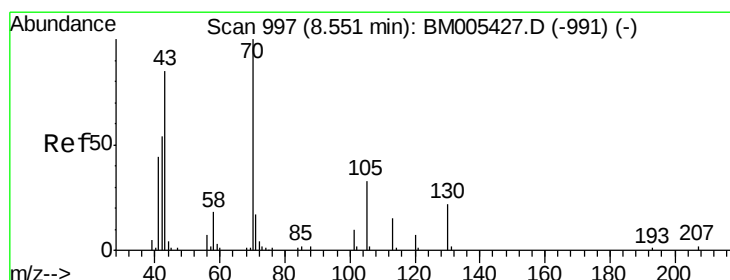
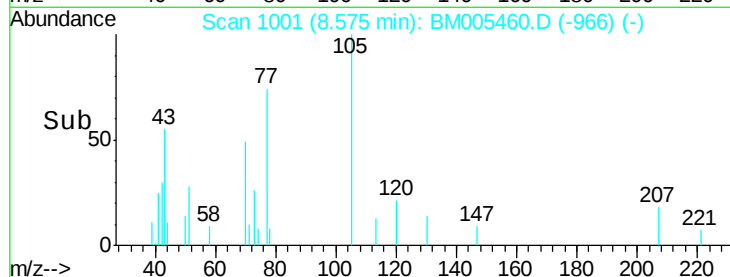
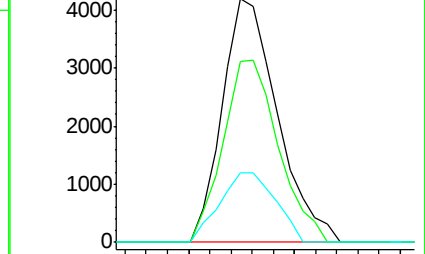
51 28.4 21.2 31.8



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#15

N-Nitroso-di-n-propylamine

Concen: 26.20 ng/ul

RT: 8.55 min Scan# 997

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Tgt Ion: 70 Resp: 78401

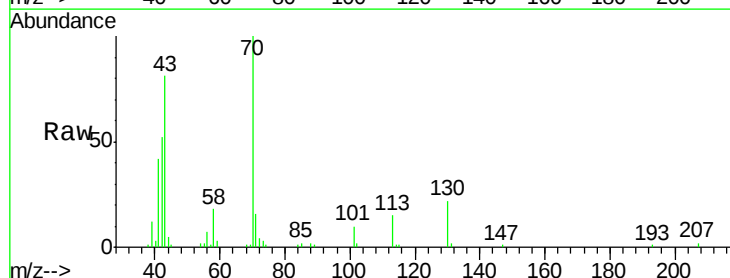
Ion Ratio Lower Upper

70 100

42 52.5 42.8 64.2

101 10.5 7.8 11.6

130 21.7 15.7 23.5

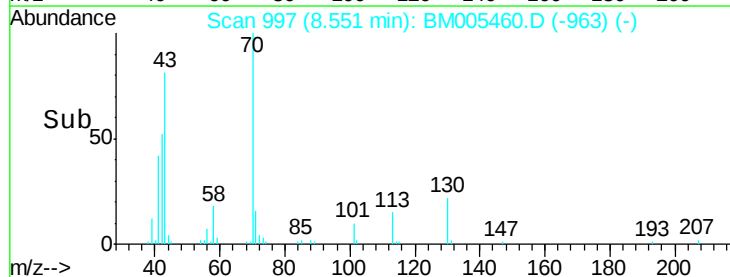
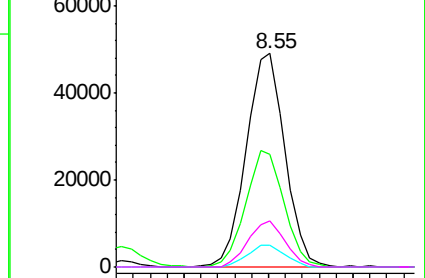


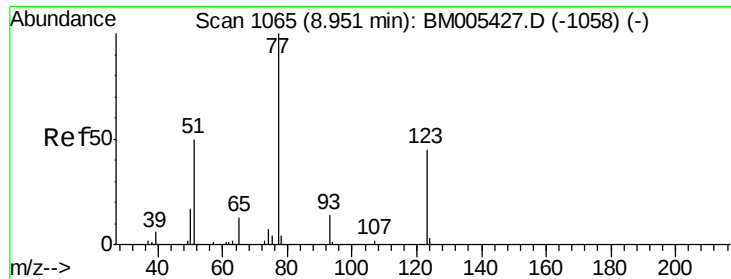
Abundance Ion 70.00 (69.70 to 70.70): BM0

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

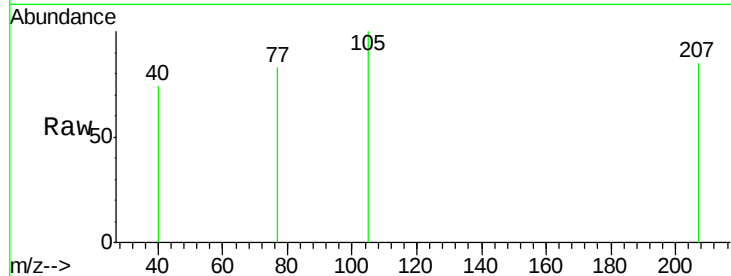




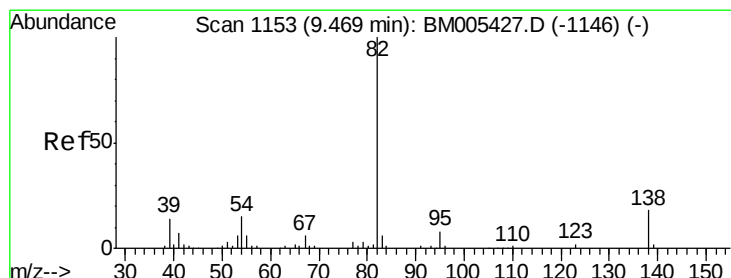
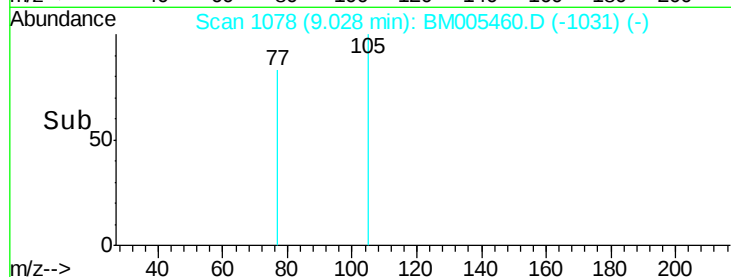
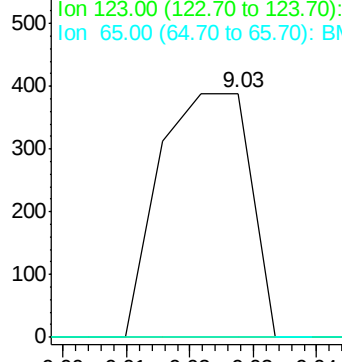
#20  
 Nitrobenzene  
 Concen: 0.09 ng/ul  
 RT: 9.03 min Scan# 1078  
 Delta R.T. 0.08 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

Instrument :  
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Tgt Ion: 77 Resp: 384  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 34.1 51.1#  
 65 0.0 11.0 16.4#

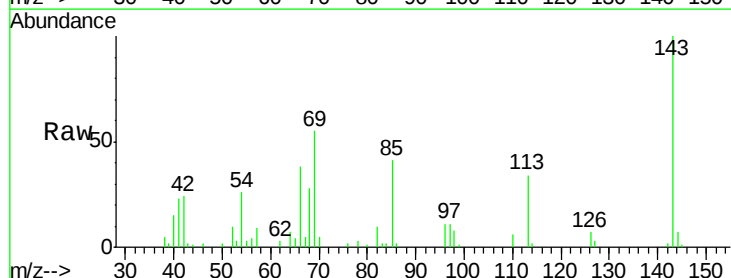


Abundance Ion 77.00 (76.70 to 77.70): BM0  
 Ion 123.00 (122.70 to 123.70): B  
 Ion 65.00 (64.70 to 65.70): BM0

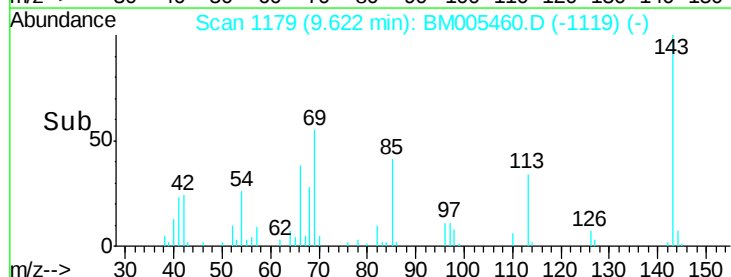
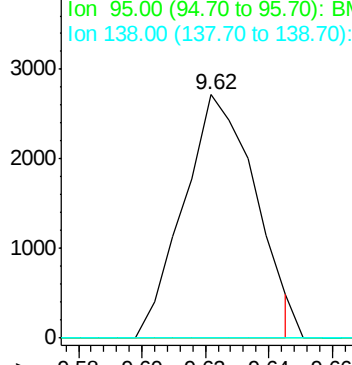


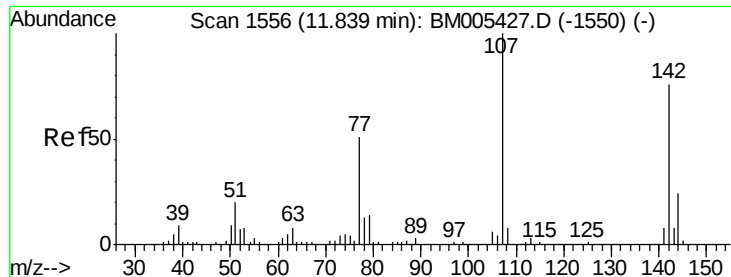
#21  
 Isophorone  
 Concen: 0.52 ng/ul  
 RT: 9.62 min Scan# 1179  
 Delta R.T. 0.15 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

Tgt Ion: 82 Resp: 4274  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.0#  
 138 0.0 13.4 20.2#



Abundance Ion 82.00 (81.70 to 82.70): BM0  
 Ion 95.00 (94.70 to 95.70): BM0  
 Ion 138.00 (137.70 to 138.70): B

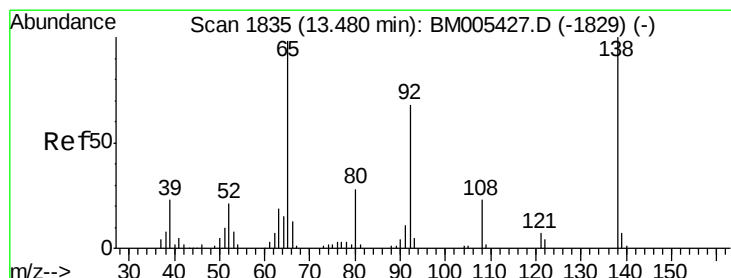
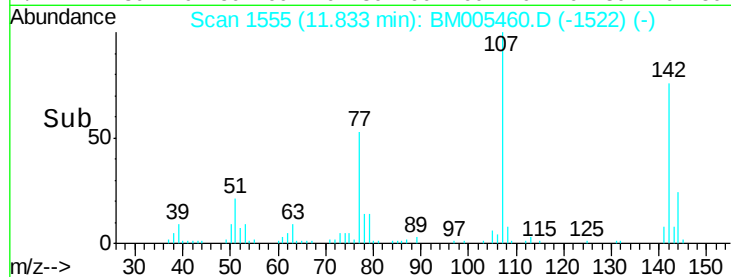
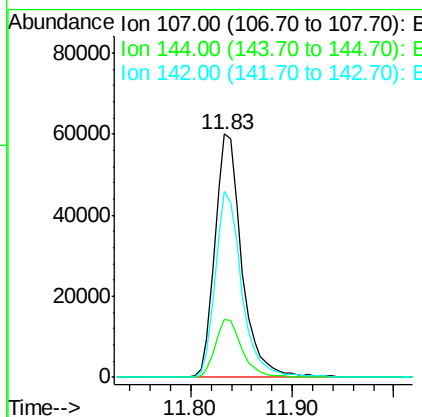
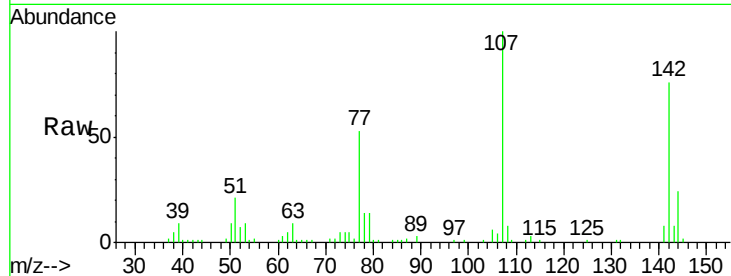




#33  
 4-Chloro-3-methylphenol  
 Concen: 25.18 ng/ul  
 RT: 11.83 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

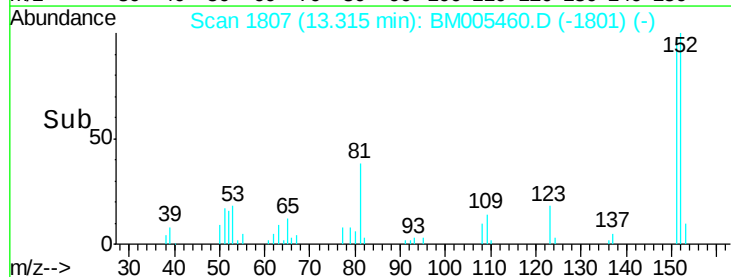
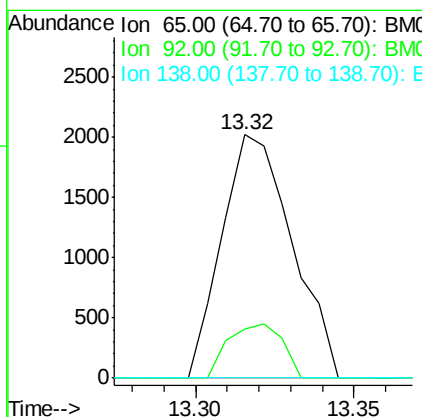
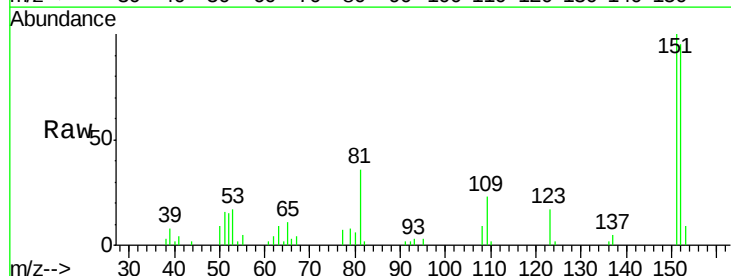
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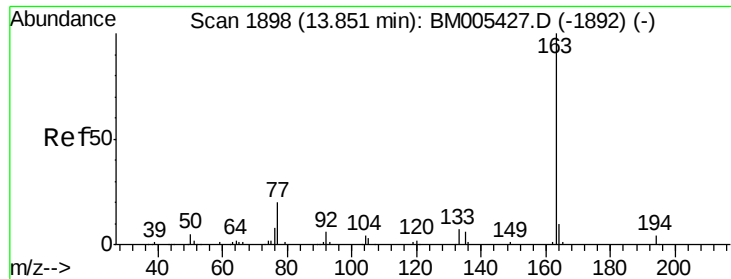
Tgt Ion: 107 Resp: 110585  
 Ion Ratio Lower Upper  
 107 100  
 144 23.8 19.3 28.9  
 142 76.5 60.8 91.2



#42  
 2-Nitroaniline  
 Concen: 1.12 ng/ul  
 RT: 13.32 min Scan# 1807  
 Delta R.T. -0.16 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

Tgt Ion: 65 Resp: 3107  
 Ion Ratio Lower Upper  
 65 100  
 92 20.3 60.1 90.1#  
 138 0.0 84.0 126.0#

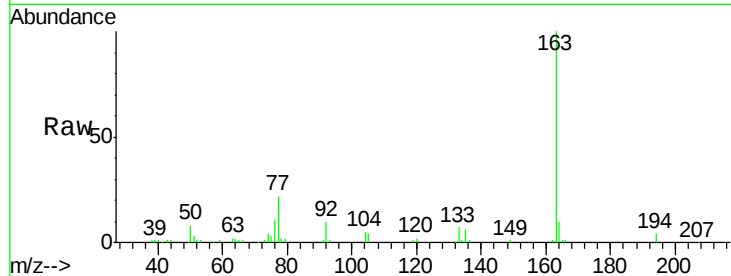




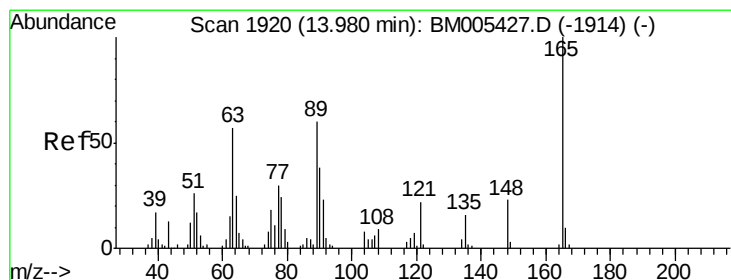
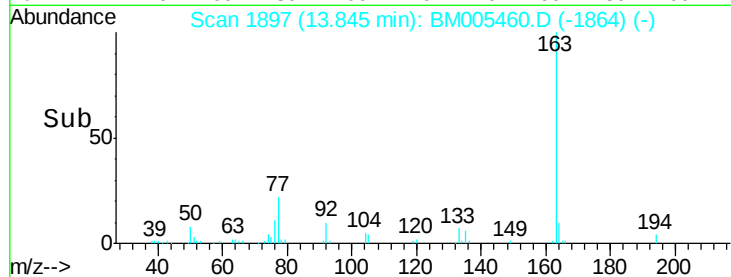
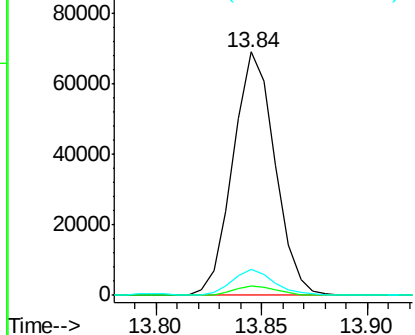
#44  
Dimethylphthalate  
Concen: 7.89 ng/ul  
RT: 13.84 min Scan# 1897  
Delta R.T. -0.01 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

Instrument :  
BNA\_M  
ClientSampleId :  
H4061MSD

Tgt Ion:163 Resp: 95220  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 10.5 7.9 11.9

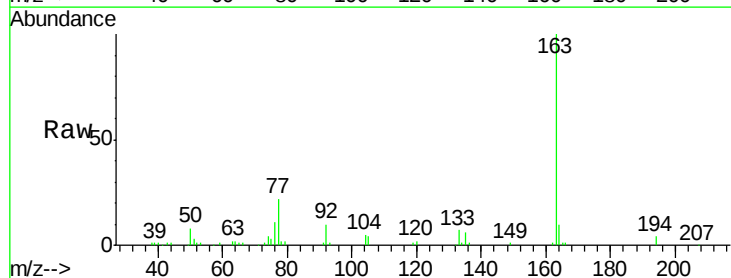


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

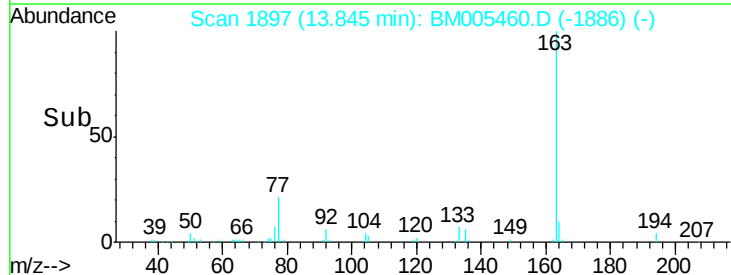
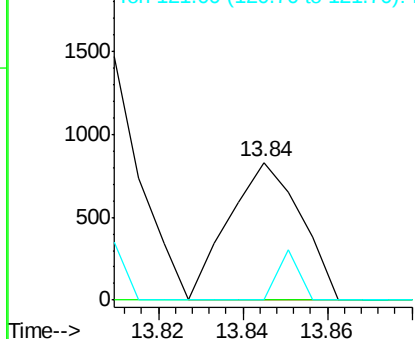


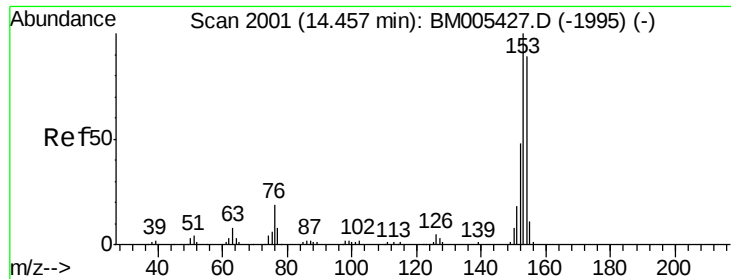
#45  
2,6-Dinitrotoluene  
Concen: 0.42 ng/ul  
RT: 13.84 min Scan# 1897  
Delta R.T. -0.14 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

Tgt Ion:165 Resp: 988  
Ion Ratio Lower Upper  
165 100  
89 0.0 52.2 78.4#  
121 0.0 21.0 31.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 89.00 (88.70 to 89.70): BM0  
Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 24.91 ng/ul

RT: 14.46 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

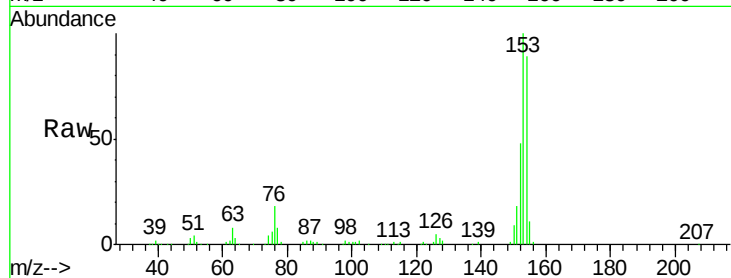
Tgt Ion:153 Resp: 245941

Ion Ratio Lower Upper

153 100

152 47.5 38.9 58.3

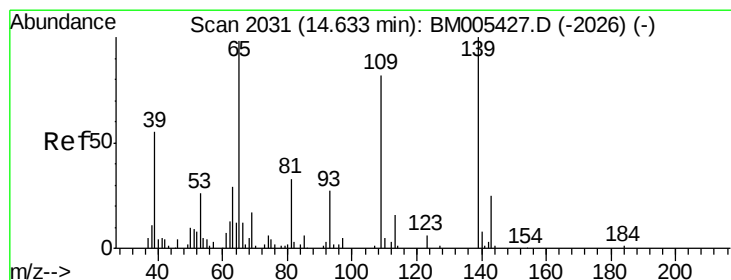
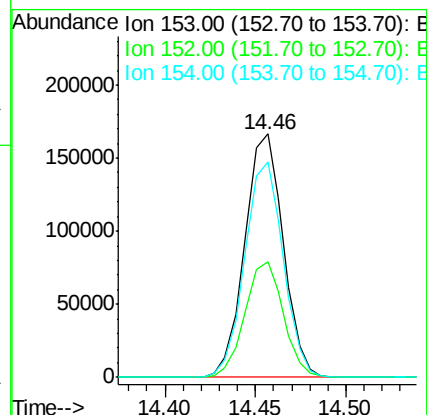
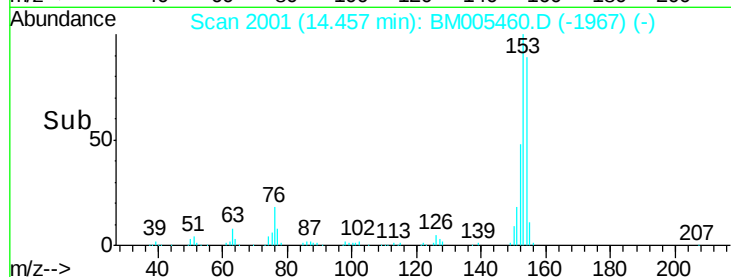
154 88.6 70.3 105.5



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



#52

4-Nitrophenol

Concen: 20.36 ng/ul

RT: 14.64 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

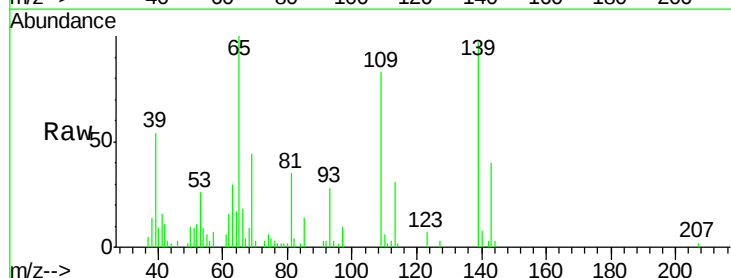
Tgt Ion:109 Resp: 37291

Ion Ratio Lower Upper

109 100

139 116.4 103.6 155.4

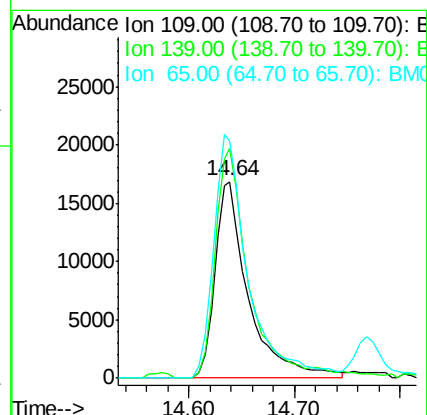
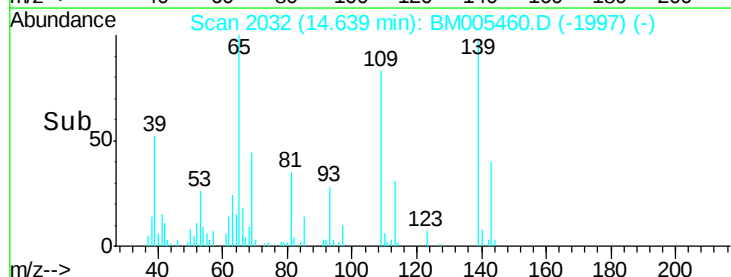
65 120.5 104.7 157.1

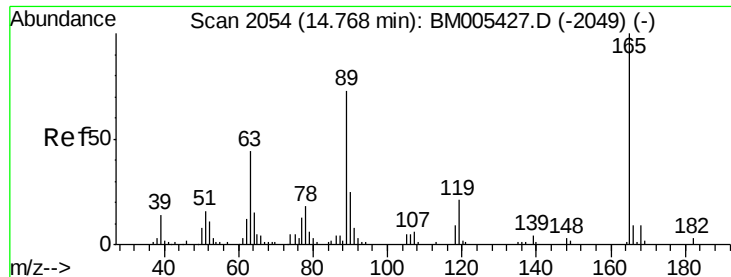


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

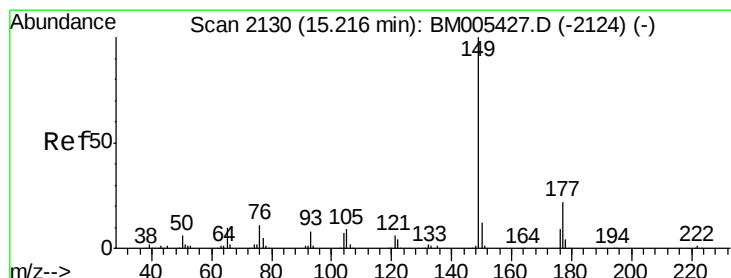
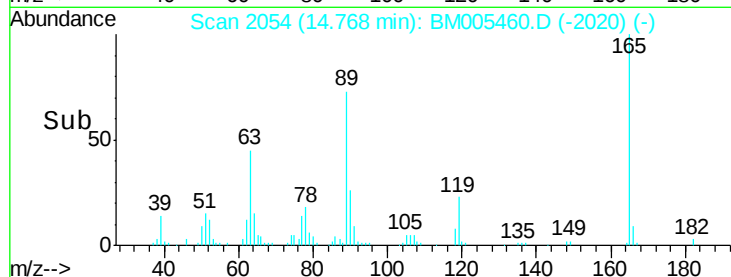
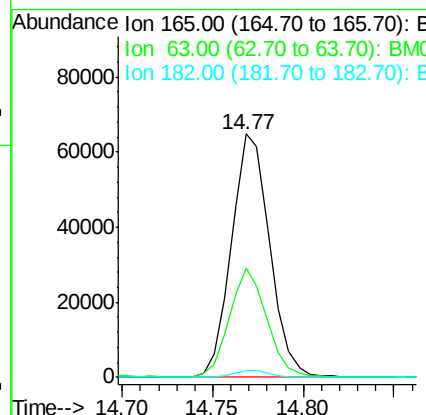
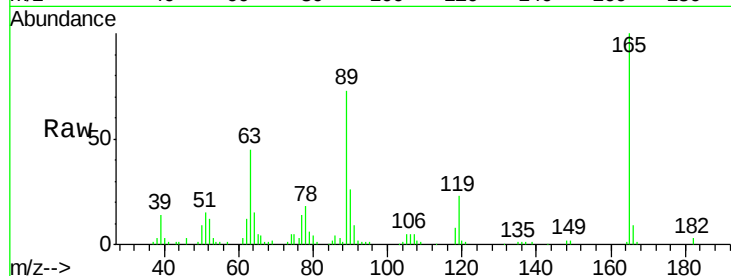




#54  
2,4-Dinitrotoluene  
Concen: 26.75 ng/ul  
RT: 14.77 min Scan# 2054  
Delta R.T. -0.00 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

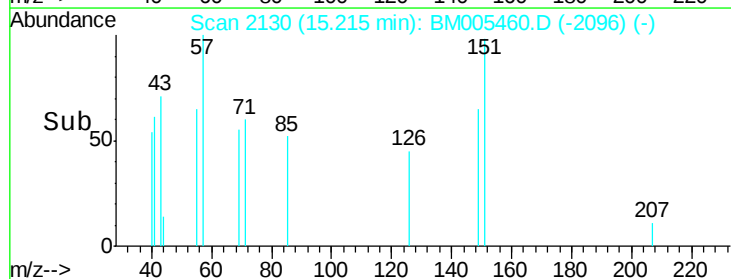
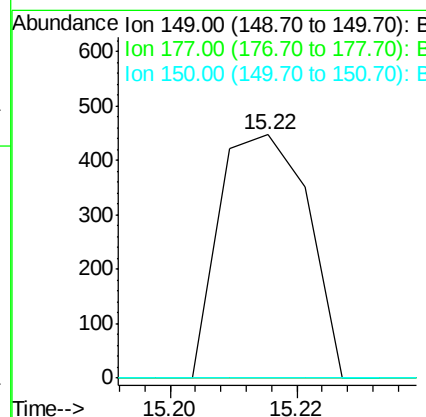
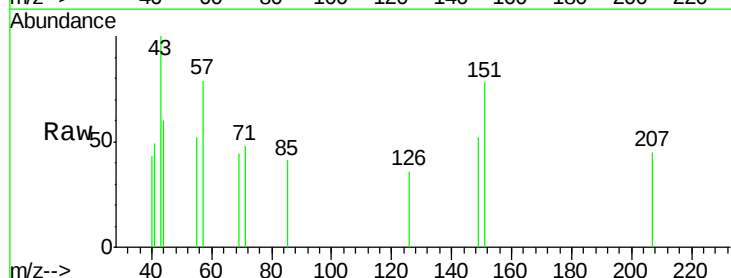
Instrument :  
BNA\_M  
ClientSampleId :  
H4061MSD

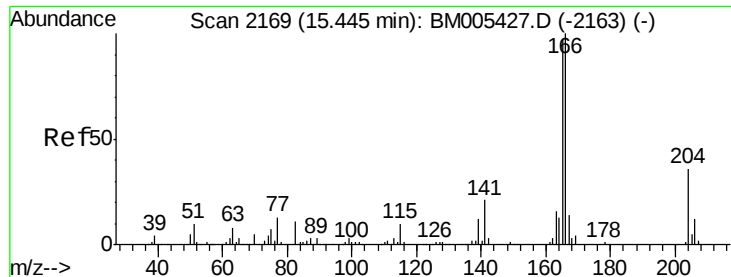
Tgt Ion:165 Resp: 94898  
Ion Ratio Lower Upper  
165 100  
63 45.0 36.2 54.4  
182 2.9 2.5 3.7



#56  
Diethylphthalate  
Concen: 0.04 ng/ul  
RT: 15.22 min Scan# 2130  
Delta R.T. -0.00 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

Tgt Ion:149 Resp: 431  
Ion Ratio Lower Upper  
149 100  
177 0.0 17.6 26.4#  
150 0.0 9.8 14.8#





#58

Fluorene

Concen: 0.03 ng/ul

RT: 15.39 min Scan# 2159

Delta R.T. -0.06 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

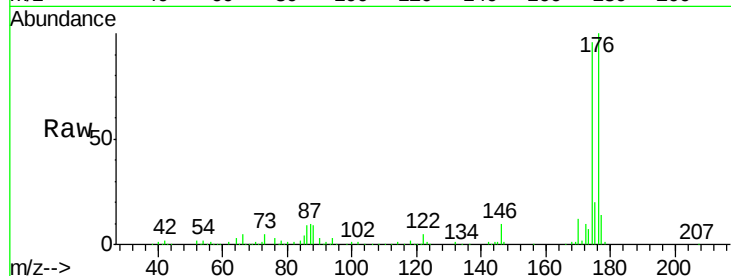
Tgt Ion:166 Resp: 370

Ion Ratio Lower Upper

166 100

165 0.0 77.9 116.9#

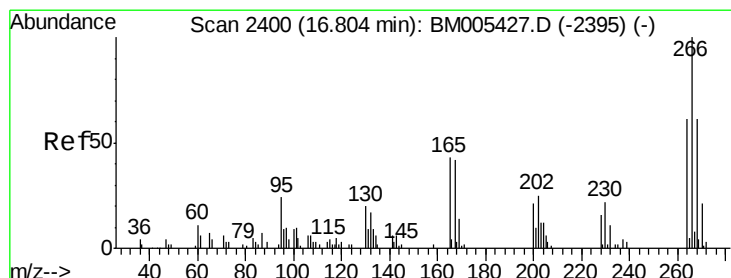
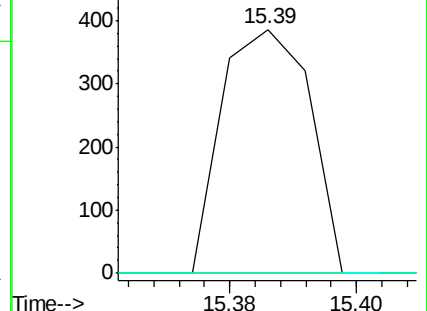
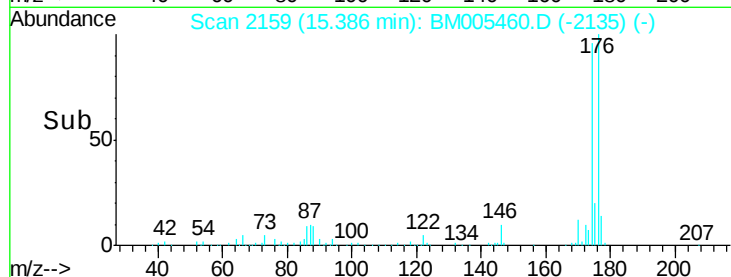
167 0.0 10.6 16.0#



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



#68

Pentachlorophenol

Concen: 23.18 ng/ul

RT: 16.80 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

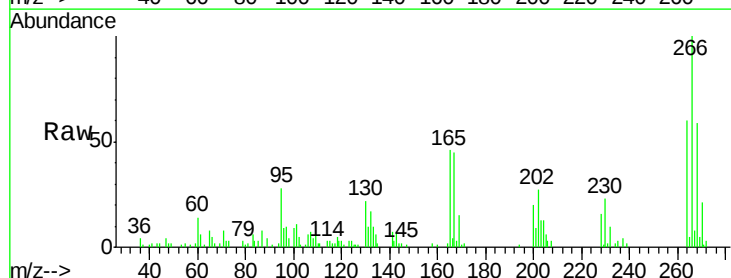
Tgt Ion:266 Resp: 53059

Ion Ratio Lower Upper

266 100

264 60.3 52.0 78.0

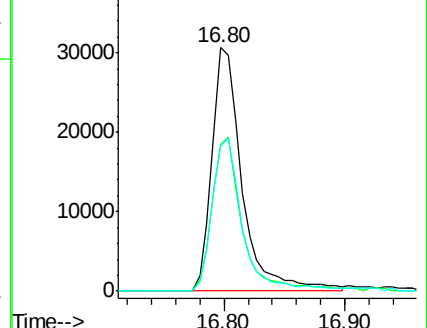
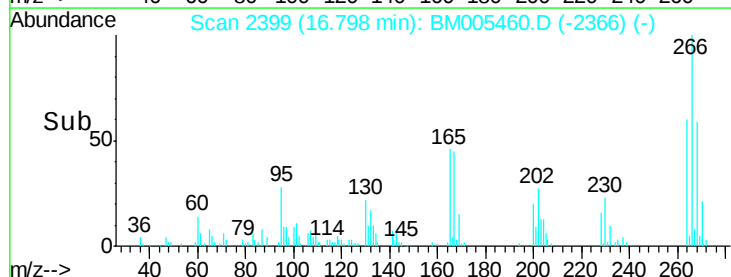
268 59.4 53.0 79.6

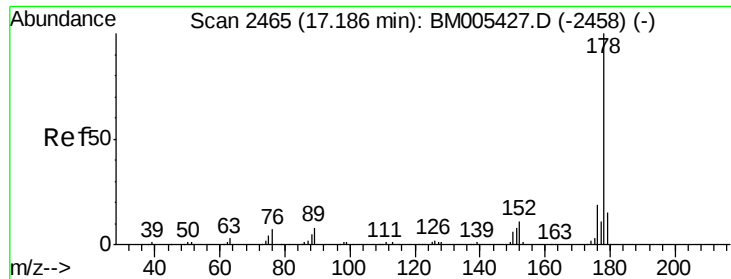


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.19 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

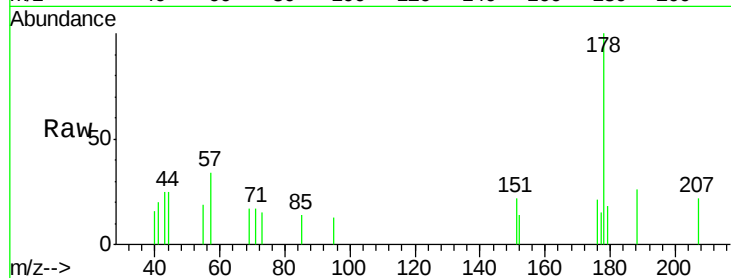
Tgt Ion:178 Resp: 3200

Ion Ratio Lower Upper

178 100

179 18.1 12.3 18.5

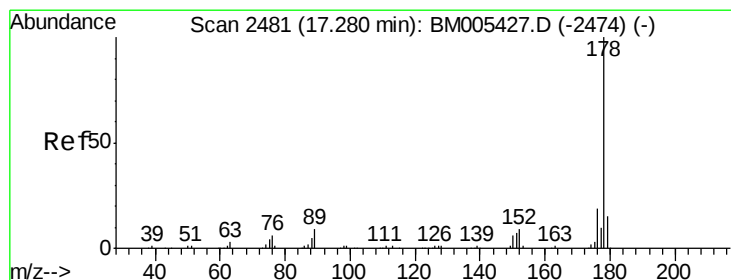
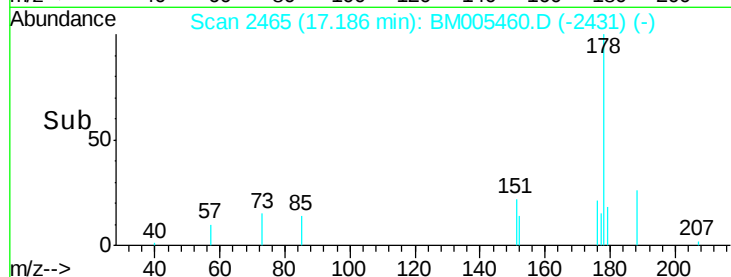
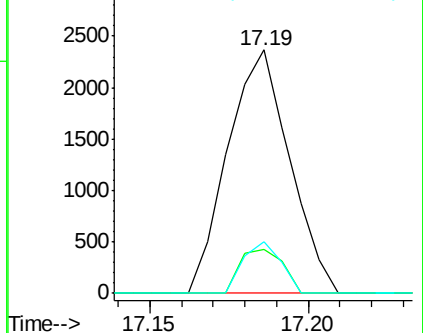
176 21.1 15.2 22.8



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: 0.16 ng/ul

RT: 17.19 min Scan# 2465

Delta R.T. -0.09 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

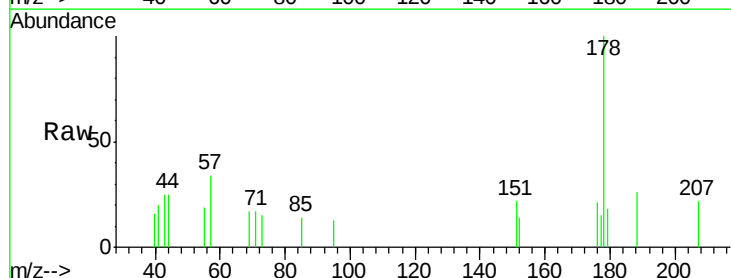
Tgt Ion:178 Resp: 3200

Ion Ratio Lower Upper

178 100

179 18.1 12.4 18.6

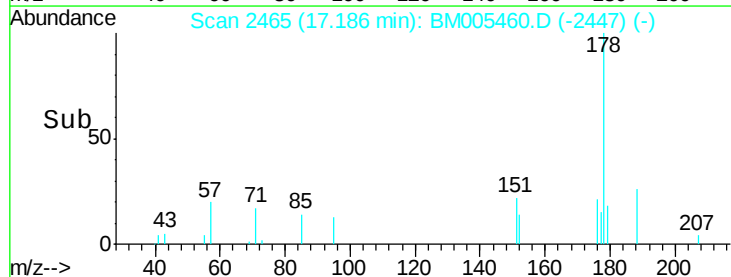
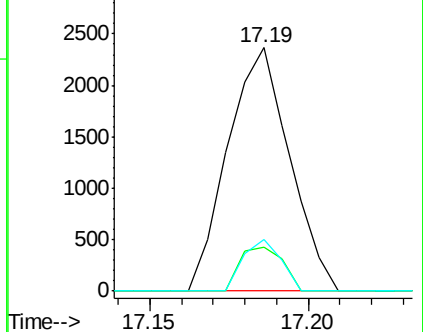
176 21.1 15.1 22.7

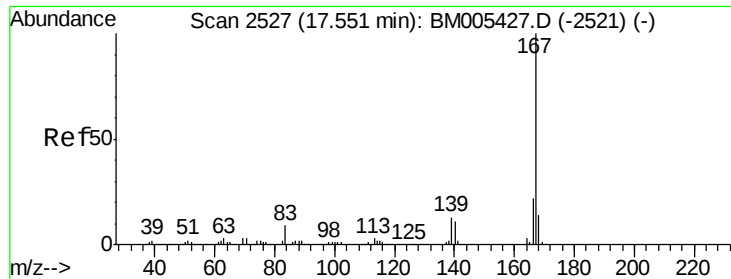


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 0.03 ng/ul

RT: 17.56 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

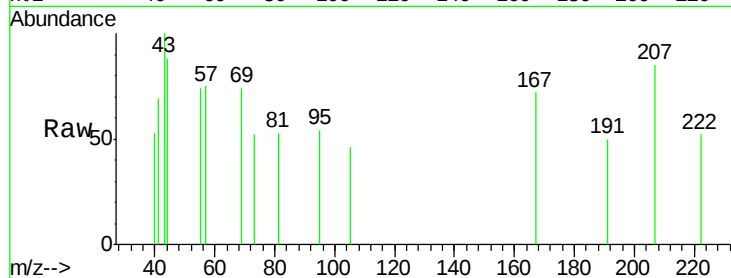
Tgt Ion:167 Resp: 587

Ion Ratio Lower Upper

167 100

166 0.0 17.1 25.7#

139 0.0 10.2 15.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.56

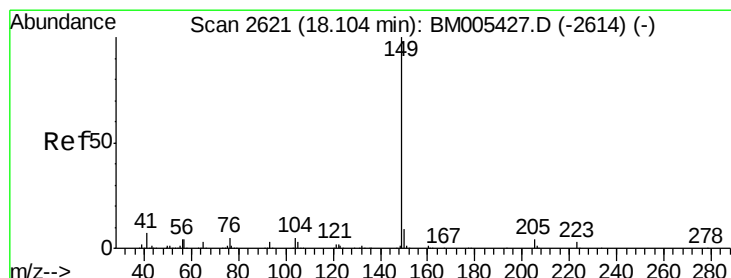
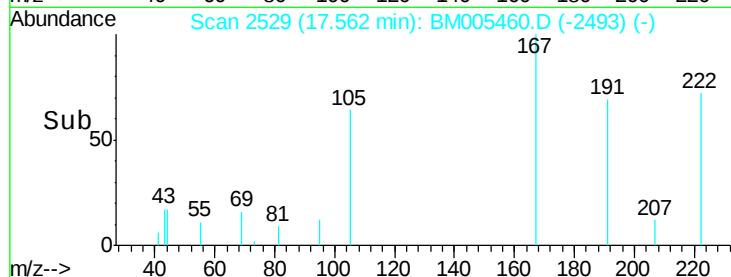
400

200

0

17.54 17.56 17.58

Time-->



#73

Di-n-butylphthalate

Concen: 0.13 ng/ul

RT: 18.10 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

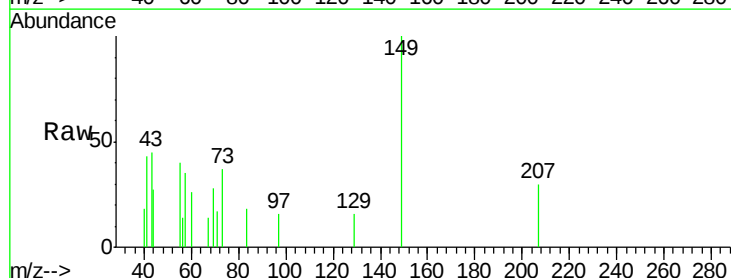
Tgt Ion:149 Resp: 2835

Ion Ratio Lower Upper

149 100

150 0.0 7.3 10.9#

104 0.0 4.1 6.1#



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

18.10

2500

2000

1500

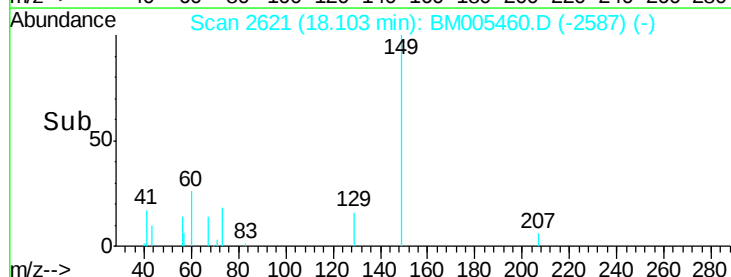
1000

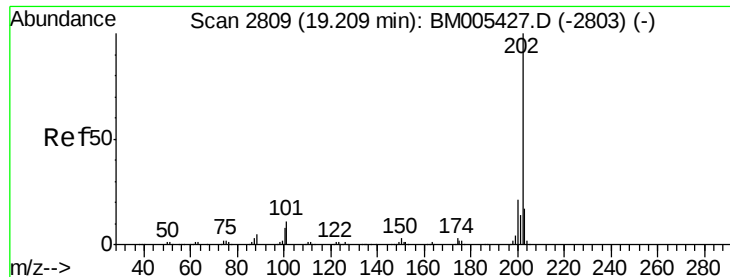
500

0

18.06 18.08 18.10 18.12

Time-->





#74

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.21 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

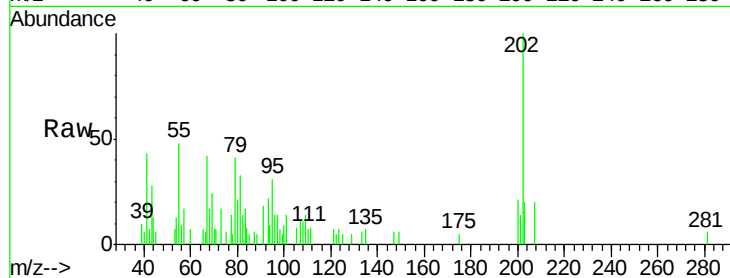
Tgt Ion:202 Resp: 8177

Ion Ratio Lower Upper

202 100

101 14.3 9.2 13.8#

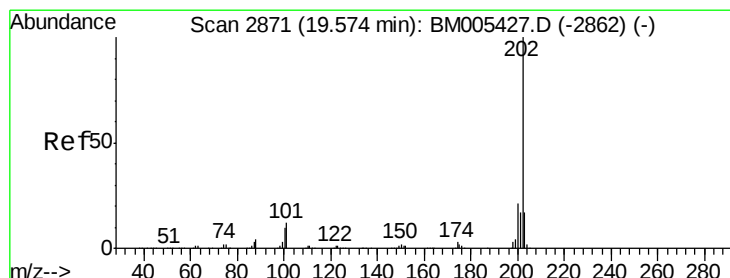
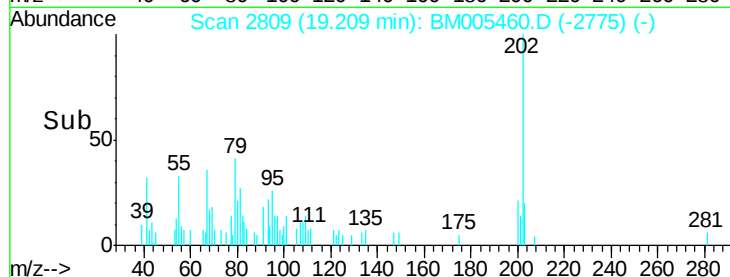
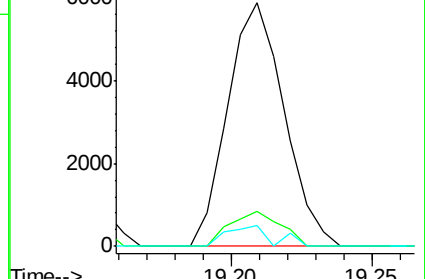
100 8.5 7.1 10.7



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: 24.66 ng/ul

RT: 19.57 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

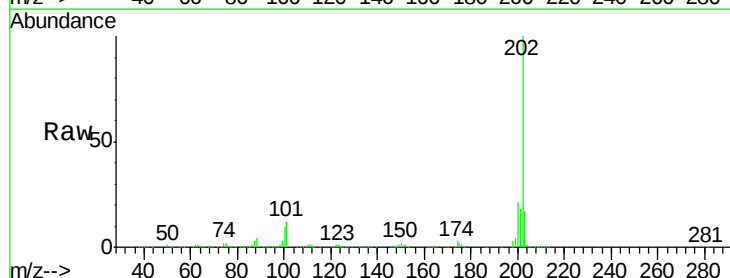
Tgt Ion:202 Resp: 677389

Ion Ratio Lower Upper

202 100

101 12.0 10.8 16.2

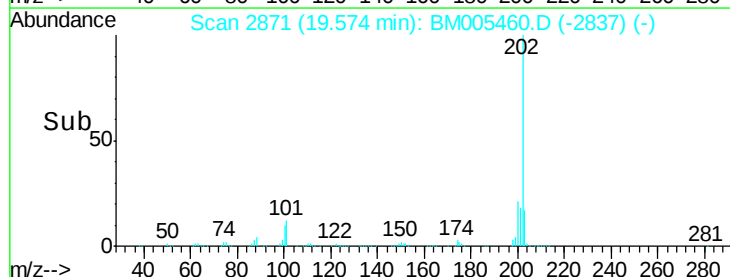
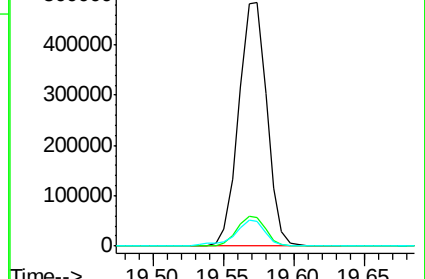
100 9.9 8.4 12.6

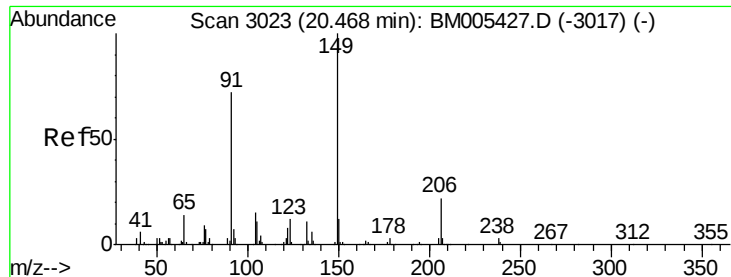


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

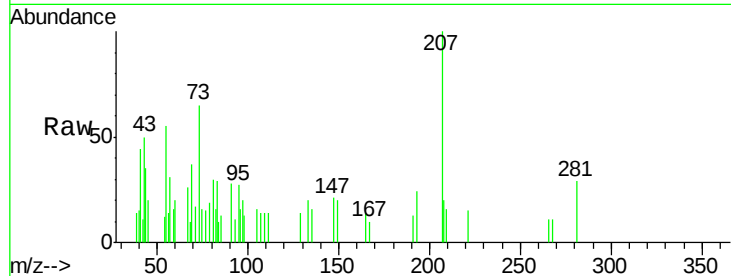




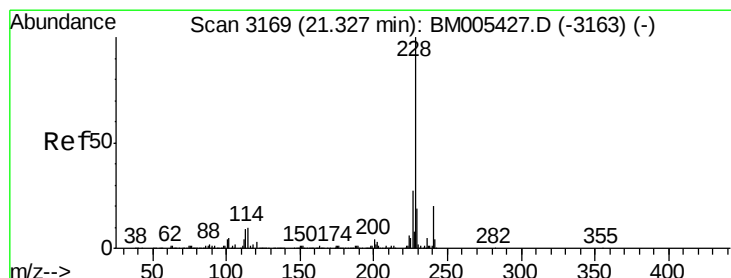
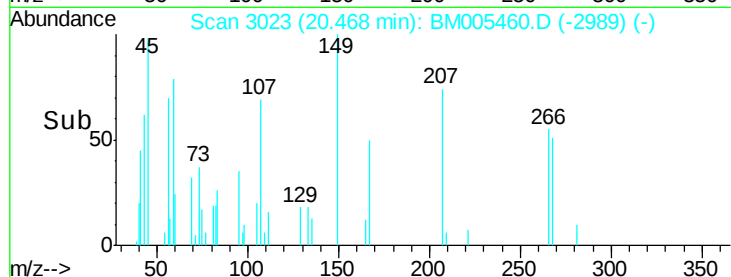
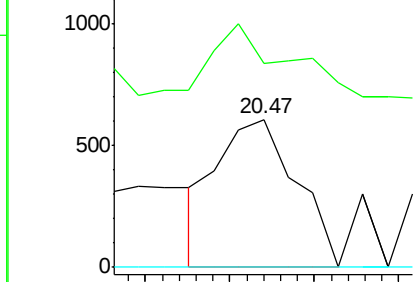
#78  
Butylbenzylphthalate  
Concen: 0.07 ng/ul  
RT: 20.47 min Scan# 3023  
Delta R.T. -0.00 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

Instrument :  
BNA\_M  
ClientSampleId :  
H4061MSD

Tgt Ion:149 Resp: 793  
Ion Ratio Lower Upper  
149 100  
91 137.5 58.4 87.6#  
206 0.0 17.3 25.9#

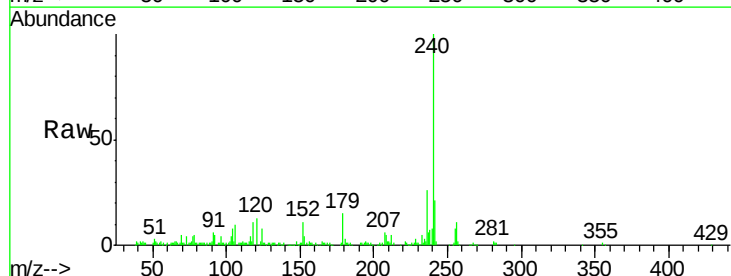


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM005427.D (-3017) (-)  
Ion 206.00 (205.70 to 206.70): E

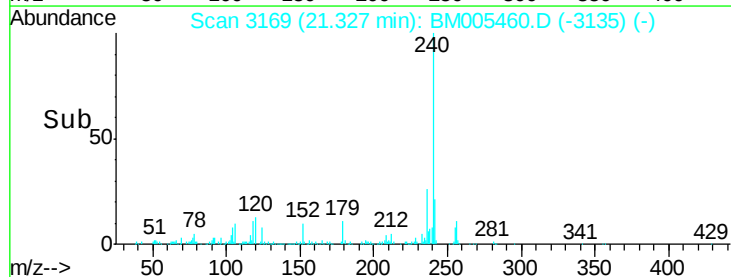
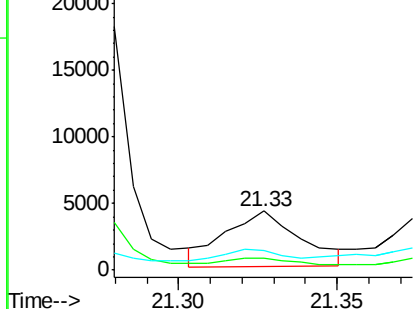


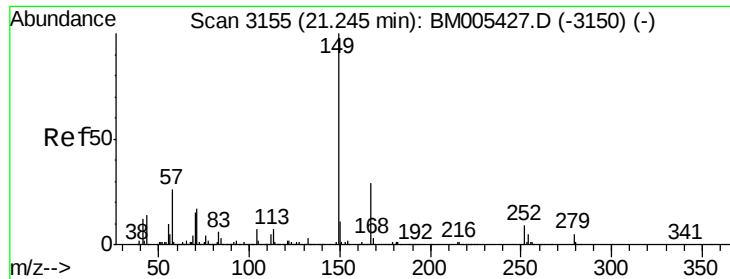
#80  
Benzo(a)anthracene  
Concen: 0.25 ng/ul  
RT: 21.33 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: BM005460.D  
Acq: 14 May 2016 11:12

Tgt Ion:228 Resp: 6873  
Ion Ratio Lower Upper  
228 100  
229 21.1 15.5 23.3  
226 34.3 21.8 32.8#



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E

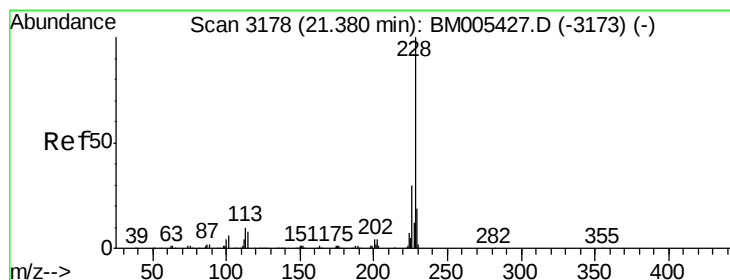
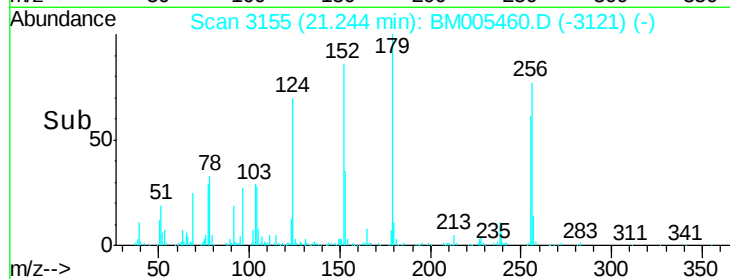
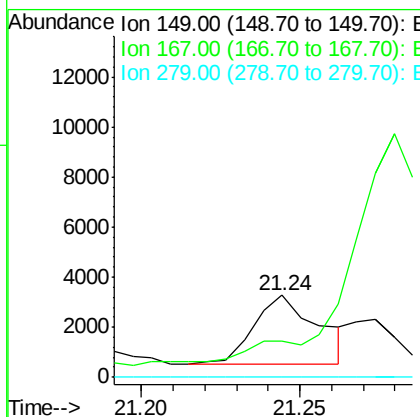
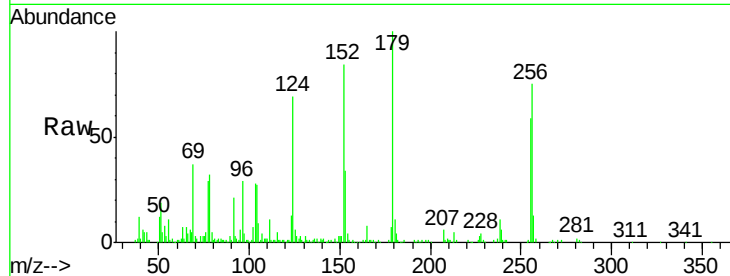




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.24 ng/ul  
 RT: 21.24 min Scan# 3155  
 Delta R.T. -0.00 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

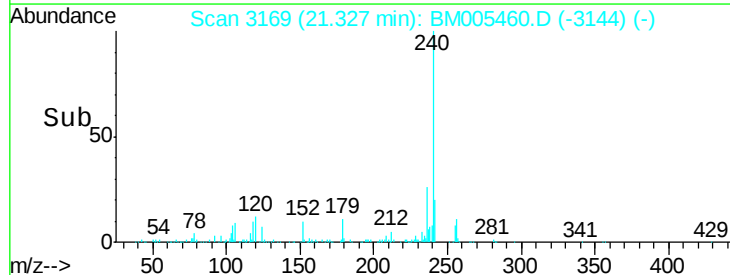
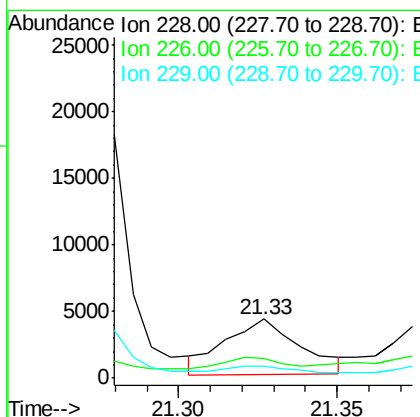
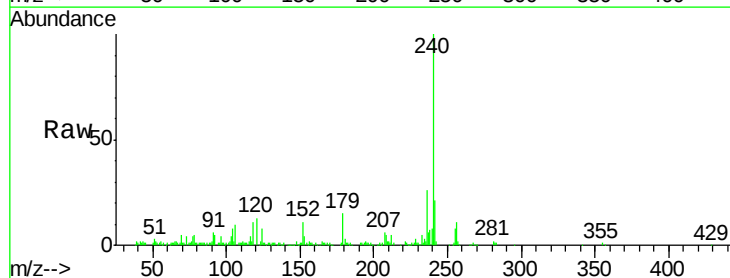
Instrument :  
 BNA\_M  
 ClientSampleId :  
 H4061MSD

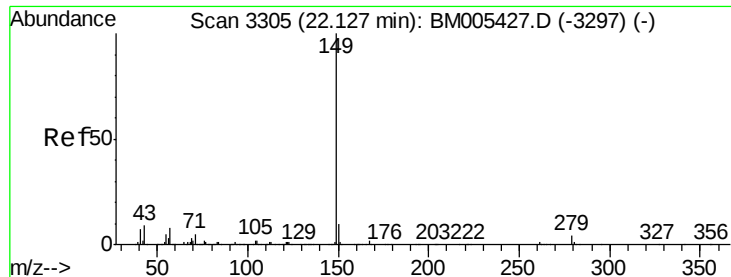
Tgt Ion:149 Resp: 3877  
 Ion Ratio Lower Upper  
 149 100  
 167 44.4 21.9 32.9#  
 279 0.0 3.0 4.4#



#82  
 Chrysene  
 Concen: 0.27 ng/ul  
 RT: 21.33 min Scan# 3169  
 Delta R.T. -0.05 min  
 Lab File: BM005460.D  
 Acq: 14 May 2016 11:12

Tgt Ion:228 Resp: 6873  
 Ion Ratio Lower Upper  
 228 100  
 226 34.3 23.6 35.4  
 229 21.1 15.4 23.0





#84

Di-n-octyl phthalate

Concen: 0.02 ng/ul

RT: 22.18 min Scan# 3314

Delta R.T. 0.05 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

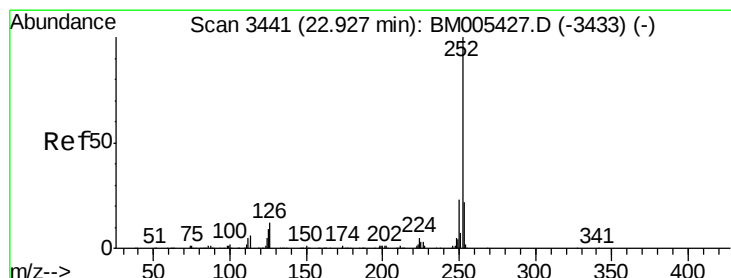
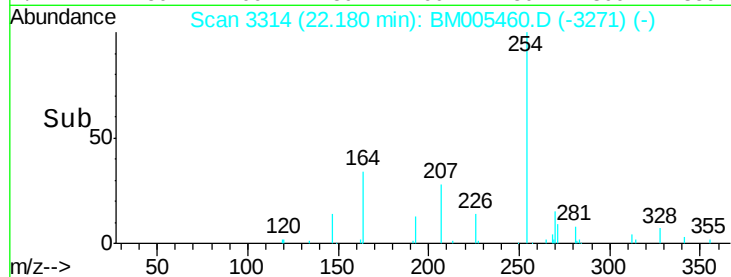
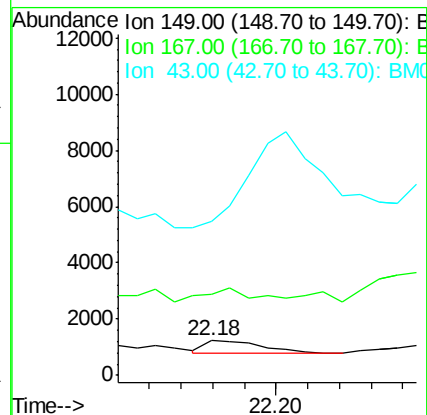
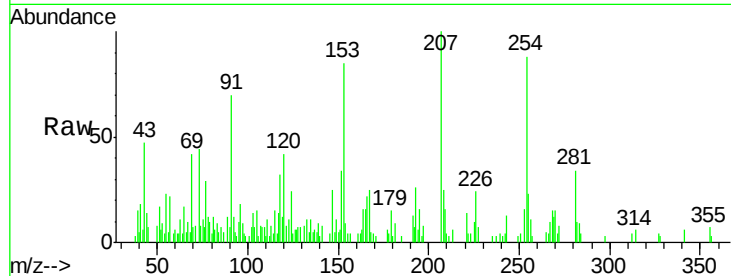
Tgt Ion:149 Resp: 585

Ion Ratio Lower Upper

149 100

167 231.8 1.3 1.9#

43 443.2 7.4 11.0#



#85

Benzo(b)fluoranthene

Concen: 0.47 ng/ul

RT: 22.94 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

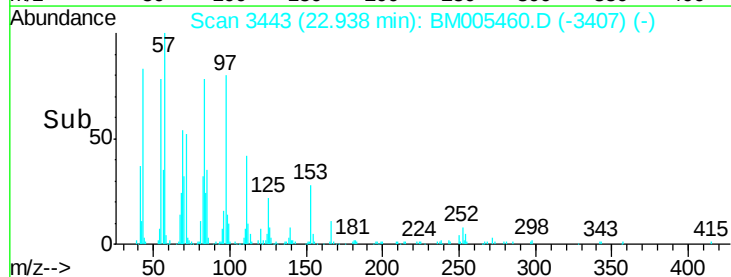
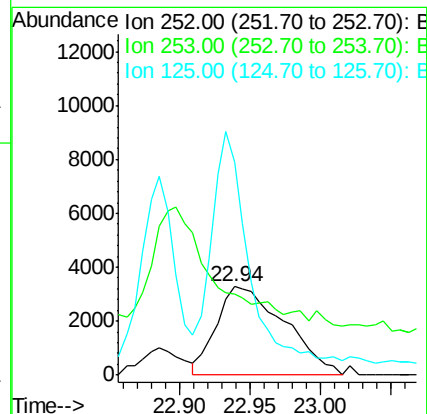
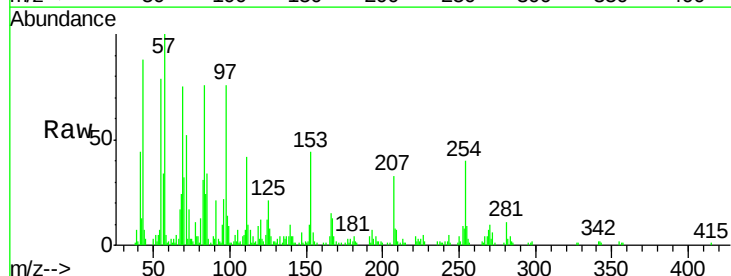
Tgt Ion:252 Resp: 11042

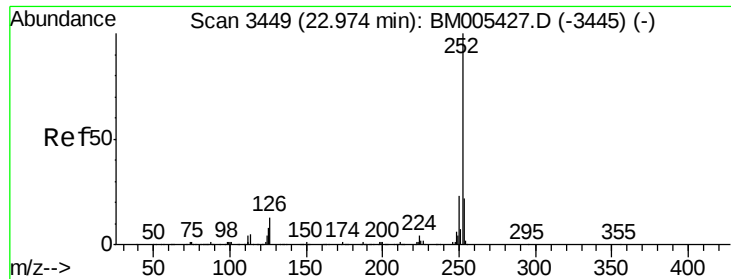
Ion Ratio Lower Upper

252 100

253 91.1 17.4 26.2#

125 241.0 8.4 12.6#





#86

Benzo(k)fluoranthene

Concen: 0.50 ng/ul

RT: 22.94 min Scan# 3443

Delta R.T. -0.04 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

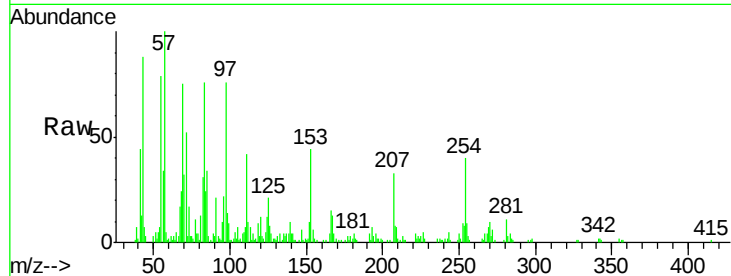
Tgt Ion:252 Resp: 11042

Ion Ratio Lower Upper

252 100

253 91.1 17.3 25.9#

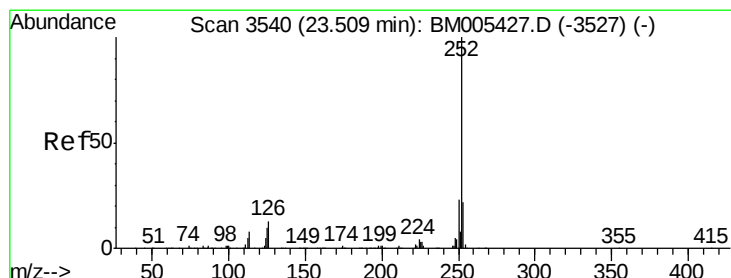
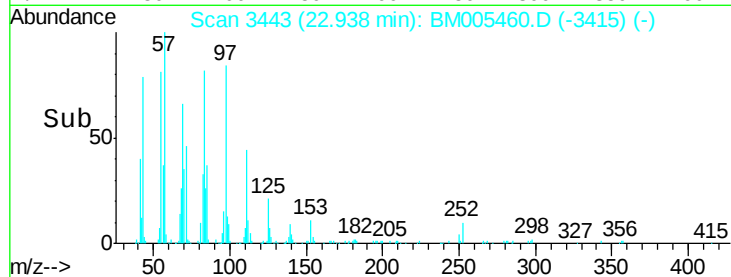
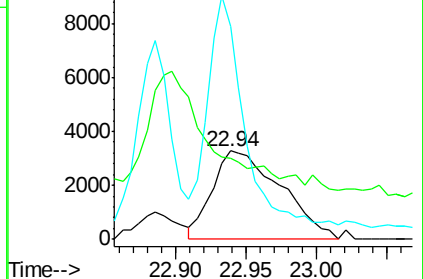
125 241.0 8.0 12.0#



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



#88

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.51 min Scan# 3541

Delta R.T. 0.01 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

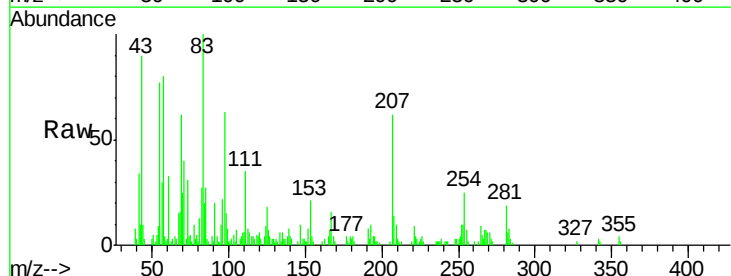
Tgt Ion:252 Resp: 4464

Ion Ratio Lower Upper

252 100

253 98.0 17.5 26.3#

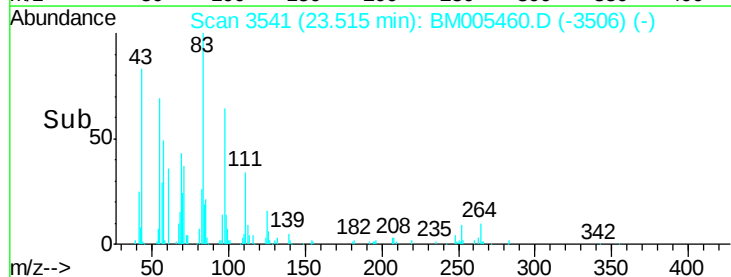
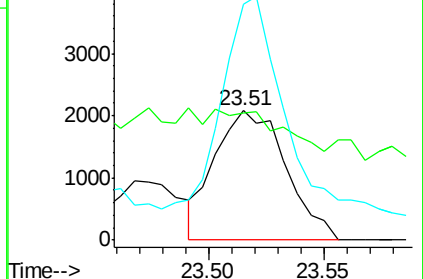
125 182.1 8.7 13.1#

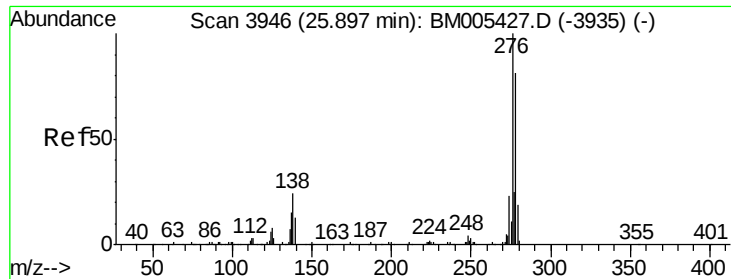


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 25.92 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Instrument :

BNA\_M

ClientSampleId :

H4061MSD

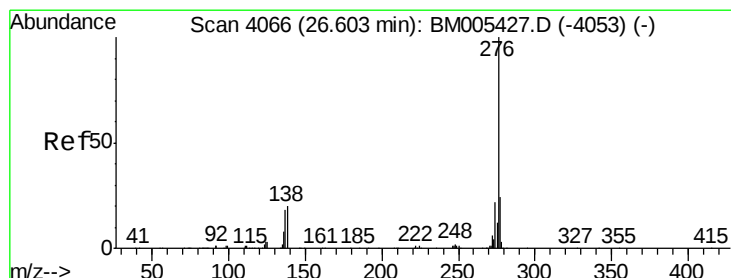
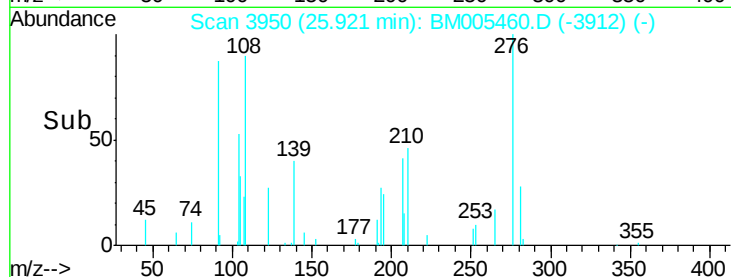
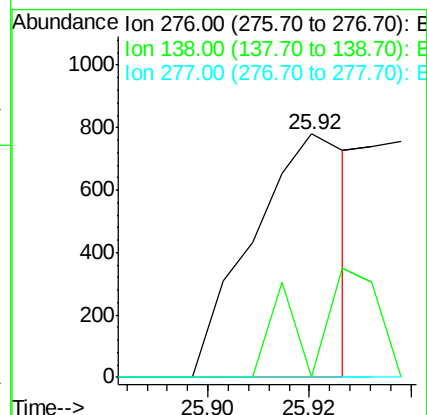
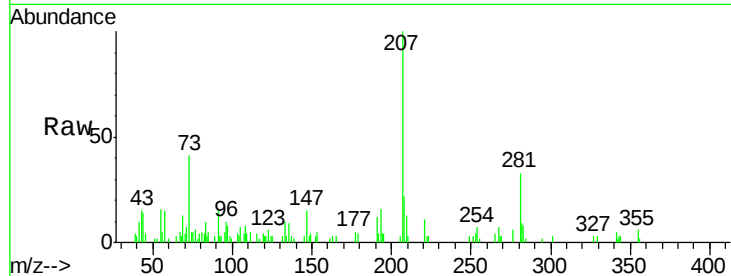
Tgt Ion:276 Resp: 1024

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.6#

277 0.0 19.9 29.9#



#91

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.64 min Scan# 4072

Delta R.T. 0.04 min

Lab File: BM005460.D

Acq: 14 May 2016 11:12

Tgt Ion:276 Resp: 2042

Ion Ratio Lower Upper

276 100

138 0.0 18.2 27.4#

277 0.0 19.4 29.2#

