

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011518\  
 Data File : BM013609.D  
 Acq On : 16 Jan 2018 05:28  
 Operator : SJ/JU  
 Sample : J1080-08  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DAJL7

Quant Time: Jan 16 07:14:16 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 07:13:29 2018  
 Response via : Initial Calibration

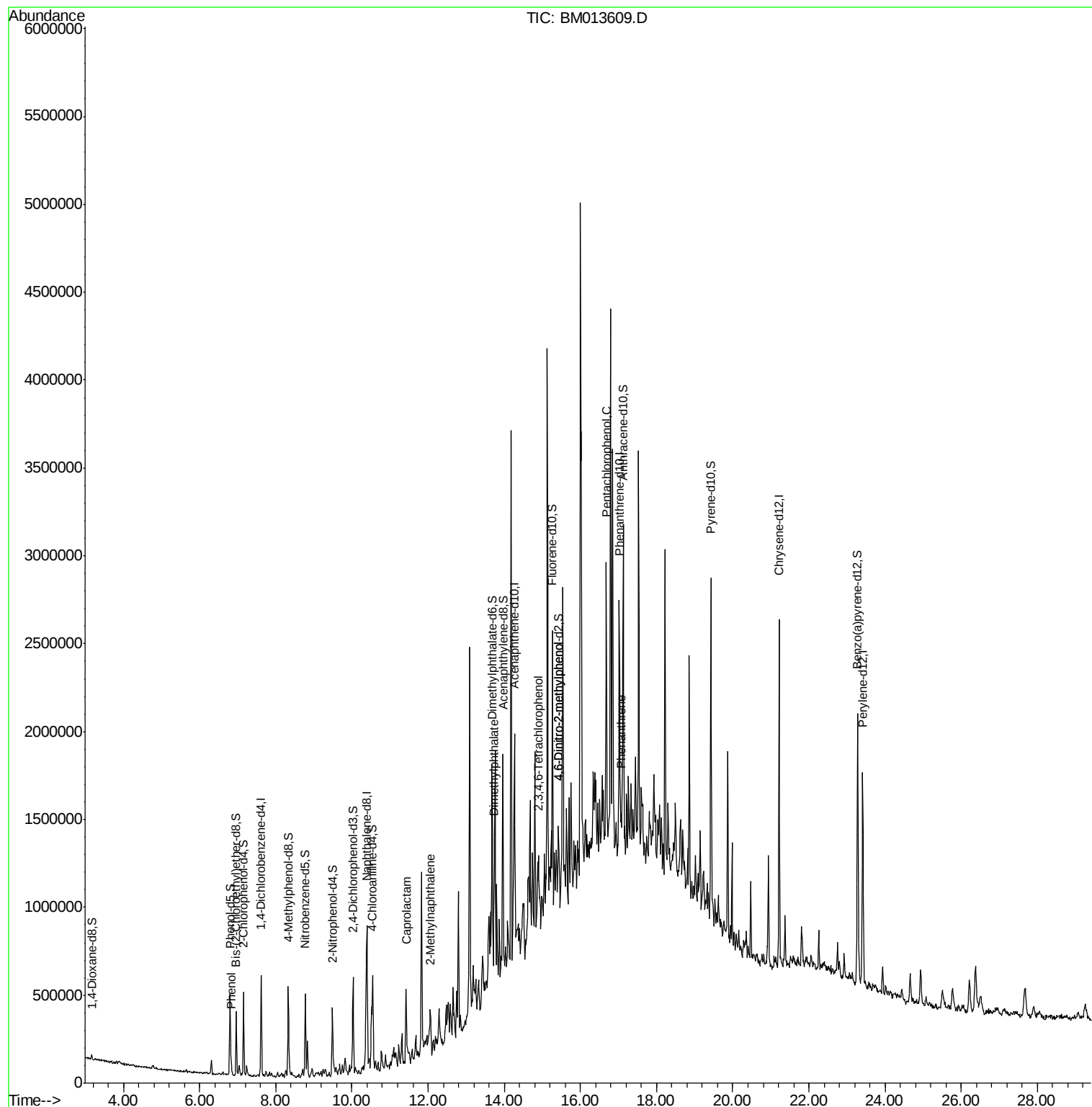
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 142383   | 20.00  | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 10.39 | 136  | 558464   | 20.00  | ng/ul  | 0.00     |
| 35) Acenaphthene-d10           | 14.27 | 164  | 333518   | 20.00  | ng/ul  | 0.00     |
| 61) Phenanthrene-d10           | 17.02 | 188  | 754862   | 20.00  | ng/ul  | 0.00     |
| 75) Chrysene-d12               | 21.22 | 240  | 855926   | 20.00  | ng/ul  | 0.00     |
| 83) Perylene-d12               | 23.41 | 264  | 866734   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds    |       |      |          |        |        |          |
| 3) 1,4-Dioxane-d8              | 3.16  | 96   | 12745    | 3.54   | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 6.80  | 99   | 239892   | 21.95  | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67   | 146778   | 22.16  | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.16  | 132  | 193766   | 21.76  | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.33  | 113  | 178868   | 21.29  | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 8.77  | 128  | 96877    | 22.36  | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.49  | 143  | 104694   | 22.86  | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165  | 189073   | 21.37  | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.55 | 131  | 232284   | 30.27  | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 13.69 | 166  | 610903   | 22.23  | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 13.96 | 160  | 800542   | 22.84  | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.49 | 143  | 4318     | 0.97   | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.27 | 176  | 554131   | 22.92  | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200  | 34059    | 7.50   | ng/ul  | 0.02     |
| 70) Anthracene-d10             | 17.12 | 188  | 869829   | 23.66  | ng/ul  | 0.00     |
| 76) Pyrene-d10                 | 19.42 | 212  | 987022   | 24.77  | ng/ul  | 0.00     |
| 87) Benzo(a)pyrene-d12         | 23.28 | 264  | 976754   | 24.52  | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |        |        |          |
| 6) Phenol                      | 6.83  | 94   | 29891    | 2.726  | ng/ul# | 83       |
| 32) Caprolactam                | 11.42 | 113  | 16207    | 6.834  | ng/ul  | 87       |
| 34) 2-Methylnaphthalene        | 12.07 | 142  | 90725    | 4.380  | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.73 | 163  | 156602   | 5.794  | ng/ul  | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 27555    | 3.936  | ng/ul# | 57       |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198  | 82005    | 17.099 | ng/ul# | 87       |
| 68) Pentachlorophenol          | 16.68 | 266  | 251891   | 49.393 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.06 | 178  | 87919    | 2.095  | ng/ul# | 86       |

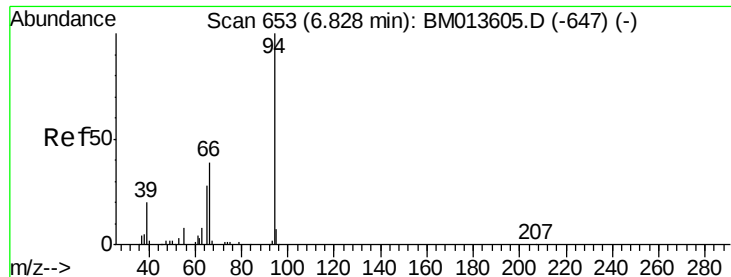
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.726 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM013609.D

Acq: 16 Jan 2018 05:28

Instrument :

BNA\_M

ClientSampleId :

DAJL7

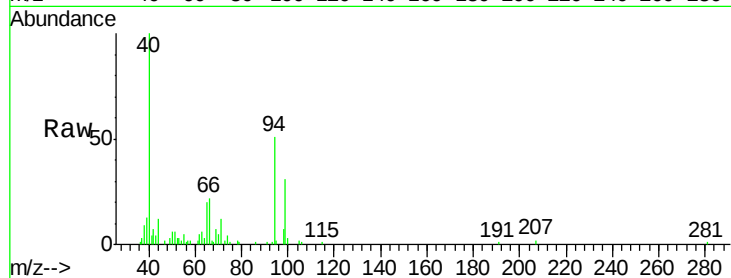
Tot Ion: 94 Resp: 29891

Ion Ratio Lower Upper

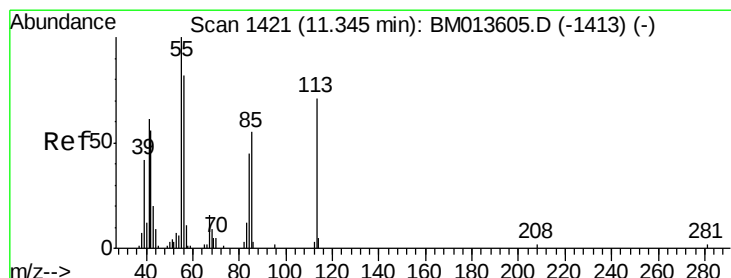
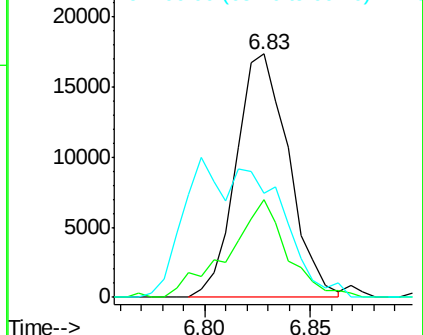
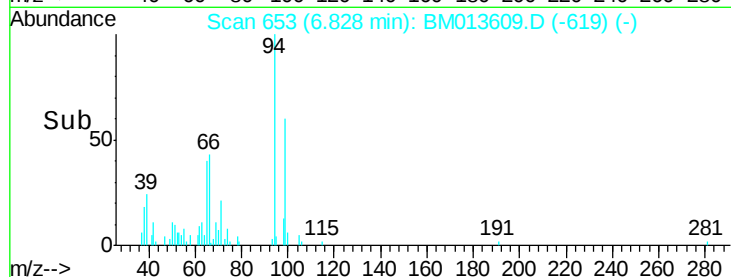
94 100

65 40.1 28.2 42.4

66 42.8 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013609.D (-619) (-)



#32

Caprolactam

Concen: 6.834 ng/ul

RT: 11.42 min Scan# 1434

Delta R.T. 0.08 min

Lab File: BM013609.D

Acq: 16 Jan 2018 05:28

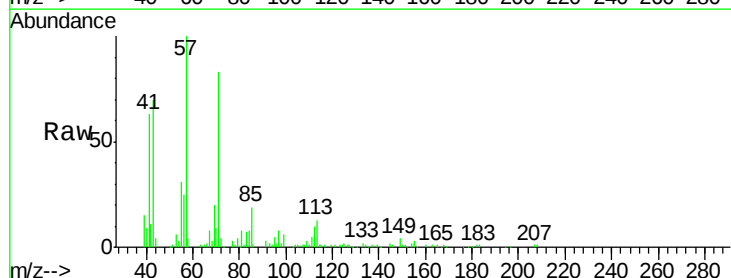
Tgt Ion: 113 Resp: 16207

Ion Ratio Lower Upper

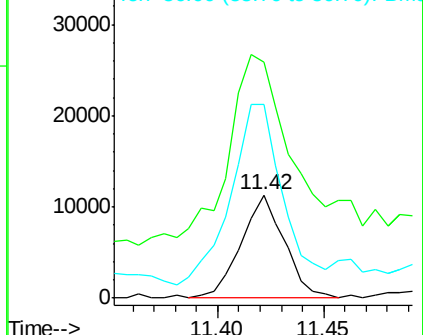
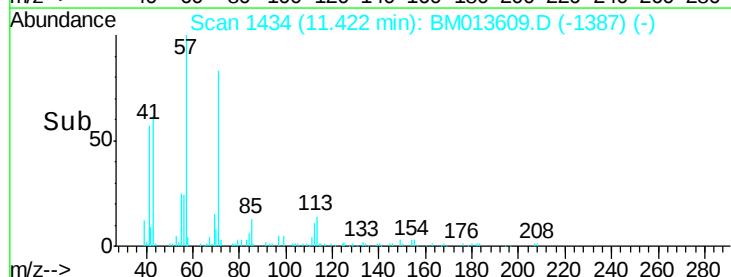
113 100

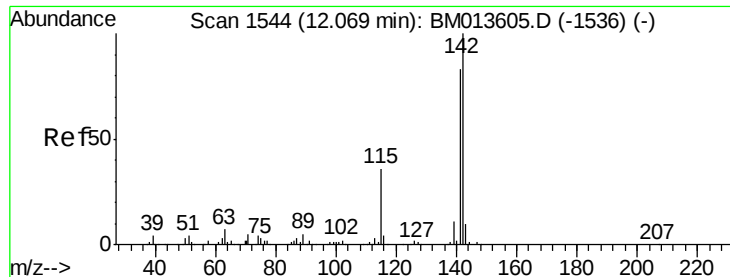
55 228.5 208.0 312.0

56 188.0 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): BM013609.D (-1387) (-)

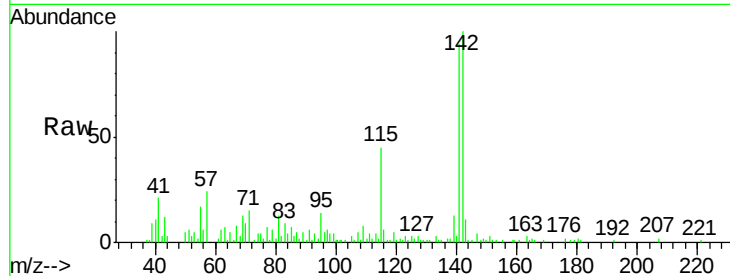




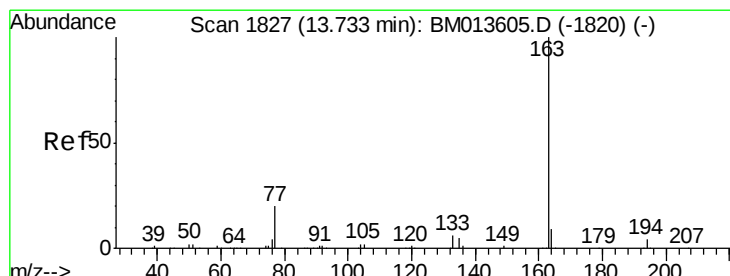
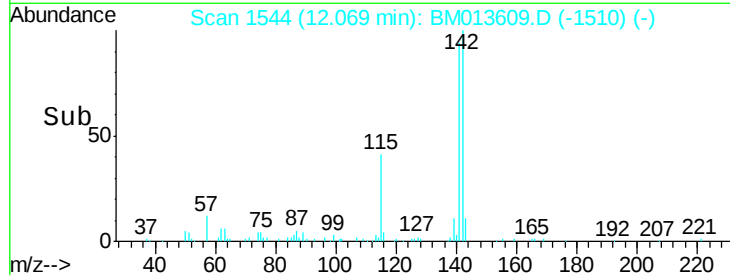
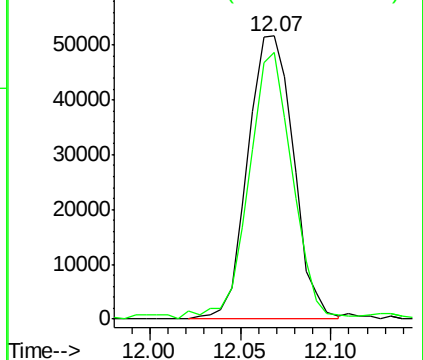
#34  
2-Methylnaphthalene  
Concen: 4.380 ng/ul  
RT: 12.07 min Scan# 1544  
Delta R.T. -0.00 min  
Lab File: BM013609.D  
Acq: 16 Jan 2018 05:28

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Tot Ion:142 Resp: 90725  
Ion Ratio Lower Upper  
142 100  
141 94.3 74.1 111.1

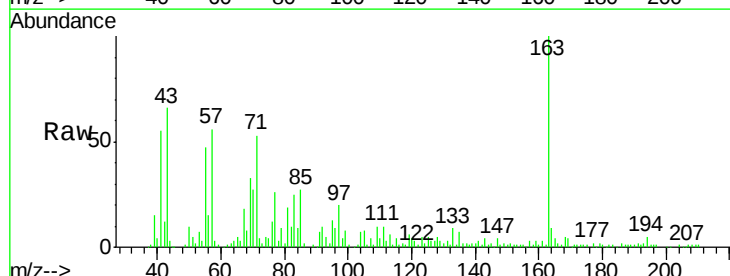


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E

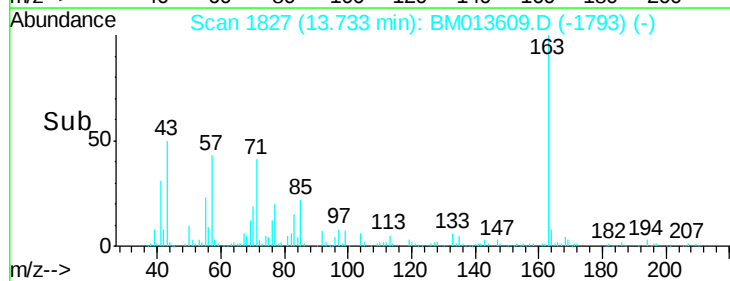
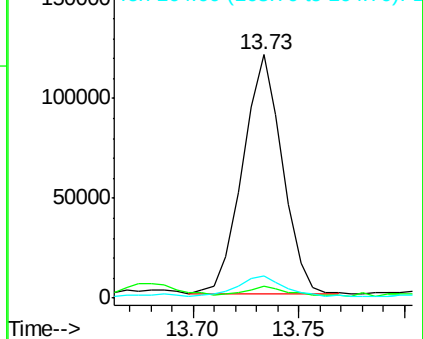


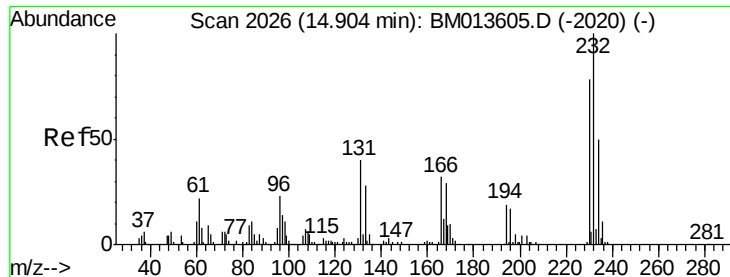
#44  
Dimethylphthalate  
Concen: 5.794 ng/ul  
RT: 13.73 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: BM013609.D  
Acq: 16 Jan 2018 05:28

Tgt Ion:163 Resp: 156602  
Ion Ratio Lower Upper  
163 100  
194 4.8 3.5 5.3  
164 9.0 8.2 12.4



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





#55

2,3,4,6-Tetrachlorophenol

Concen: 3.936 ng/ul

RT: 14.90 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BM013609.D

Acq: 16 Jan 2018 05:28

Instrument :

BNA\_M

ClientSampleId :

DAJL7

Tot Ion:232 Resp: 27555

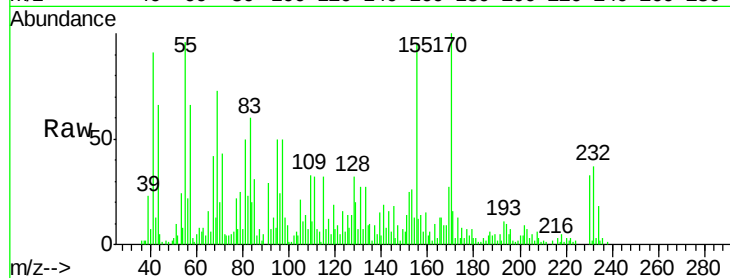
Ion Ratio Lower Upper

232 100

131 73.0 29.0 43.4#

130 19.7 2.0 3.0#

166 34.7 21.4 32.2#

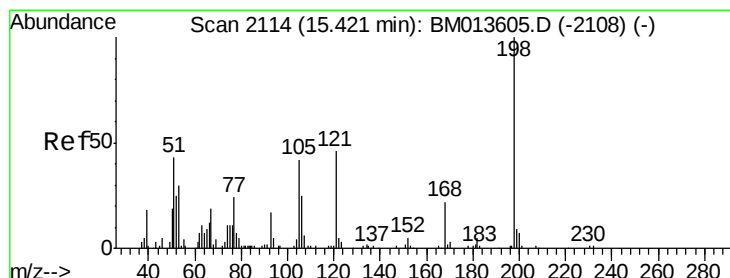
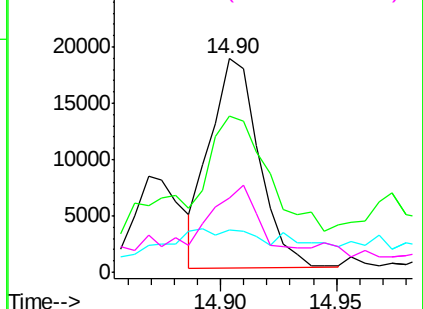
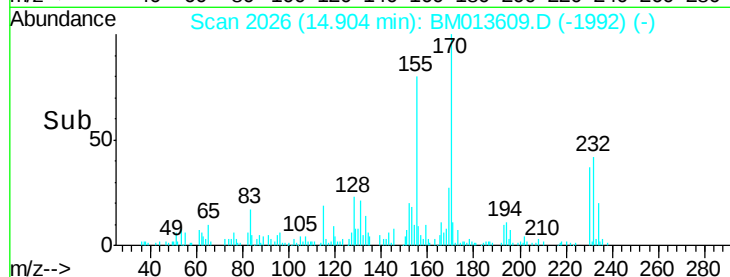


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#63

4,6-Dinitro-2-methylphenol

Concen: 17.099 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BM013609.D

Acq: 16 Jan 2018 05:28

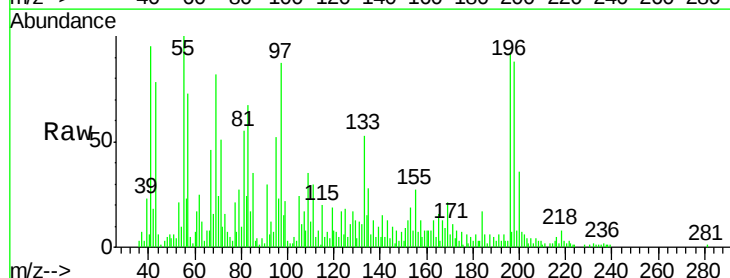
Tgt Ion:198 Resp: 82005

Ion Ratio Lower Upper

198 100

182 3.6 3.8 5.6#

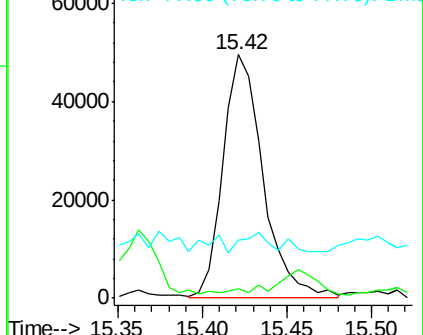
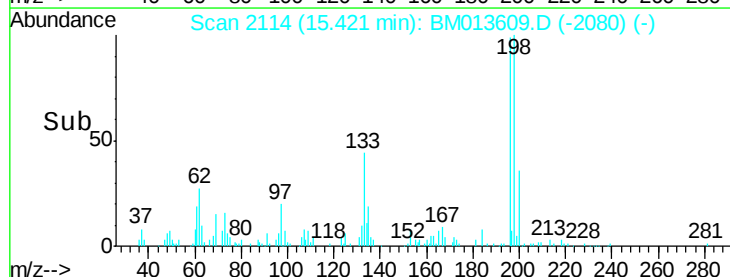
77 23.6 25.2 37.8#

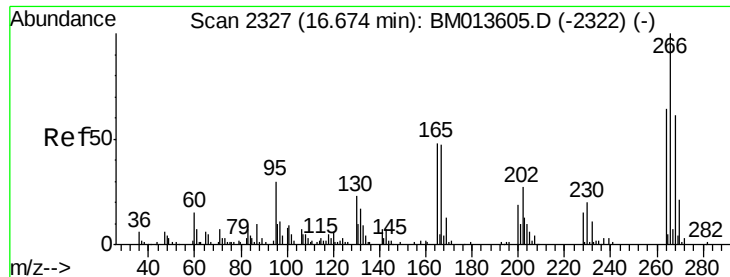


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

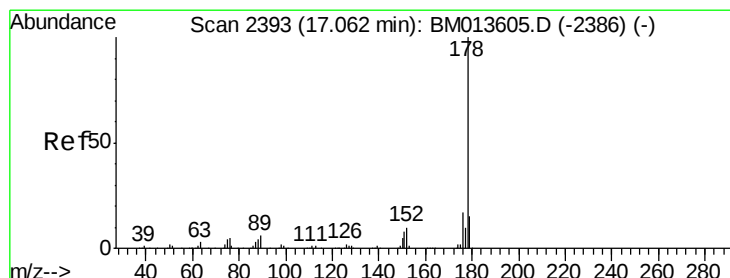
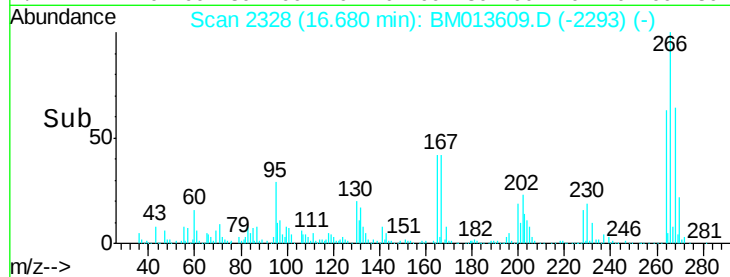
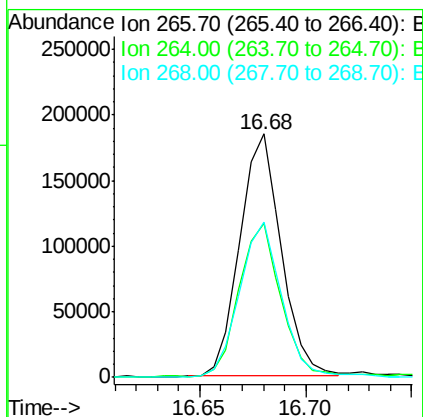
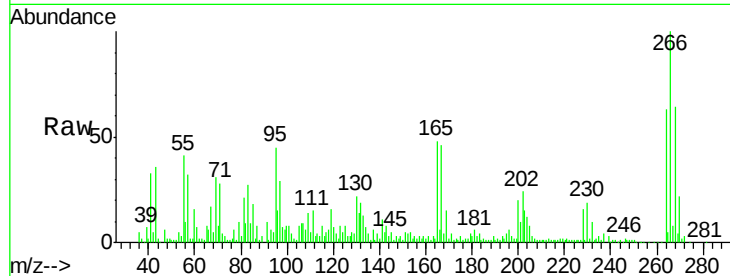




#68  
 Pentachlorophenol  
 Concen: 49.393 ng/ul  
 RT: 16.68 min Scan# 2328  
 Delta R.T. 0.01 min  
 Lab File: BM013609.D  
 Acq: 16 Jan 2018 05:28

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 DAJL7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.0  | 49.3  | 73.9  |
| 268     | 63.7  | 52.6  | 78.8  |



#69  
 Phenanthrene  
 Concen: 2.095 ng/ul  
 RT: 17.06 min Scan# 2393  
 Delta R.T. -0.00 min  
 Lab File: BM013609.D  
 Acq: 16 Jan 2018 05:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 24.5  | 12.6  | 19.0# |
| 176     | 22.5  | 14.9  | 22.3# |

