

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\  
 Data File : BM013809.D  
 Acq On : 25 Jan 2018 17:13  
 Operator : SJ/JU  
 Sample : J1243-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jan 26 00:24:33 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 26 00:22:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 123802   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.37 | 136  | 444205   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.24 | 164  | 246579   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.00 | 188  | 557471   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 571918   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.40 | 264  | 555200   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 12201  | 3.90  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 238357 | 25.08 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 151442 | 26.30 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 213958 | 27.63 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.31  | 113 | 198665 | 27.19 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.75  | 128 | 102441 | 29.72 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 111489 | 30.61 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.00 | 165 | 202074 | 28.72 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.52 | 131 | 219013 | 35.88 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.66 | 166 | 598089 | 29.43 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.93 | 160 | 755745 | 29.16 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.49 | 143 | 75525  | 22.87 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.24 | 176 | 504434 | 28.22 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 74617  | 22.24 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.10 | 188 | 781055 | 28.76 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.40 | 212 | 862246 | 32.38 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.26 | 264 | 776192 | 30.42 | ng/ul | 0.00 |

## Target Compounds

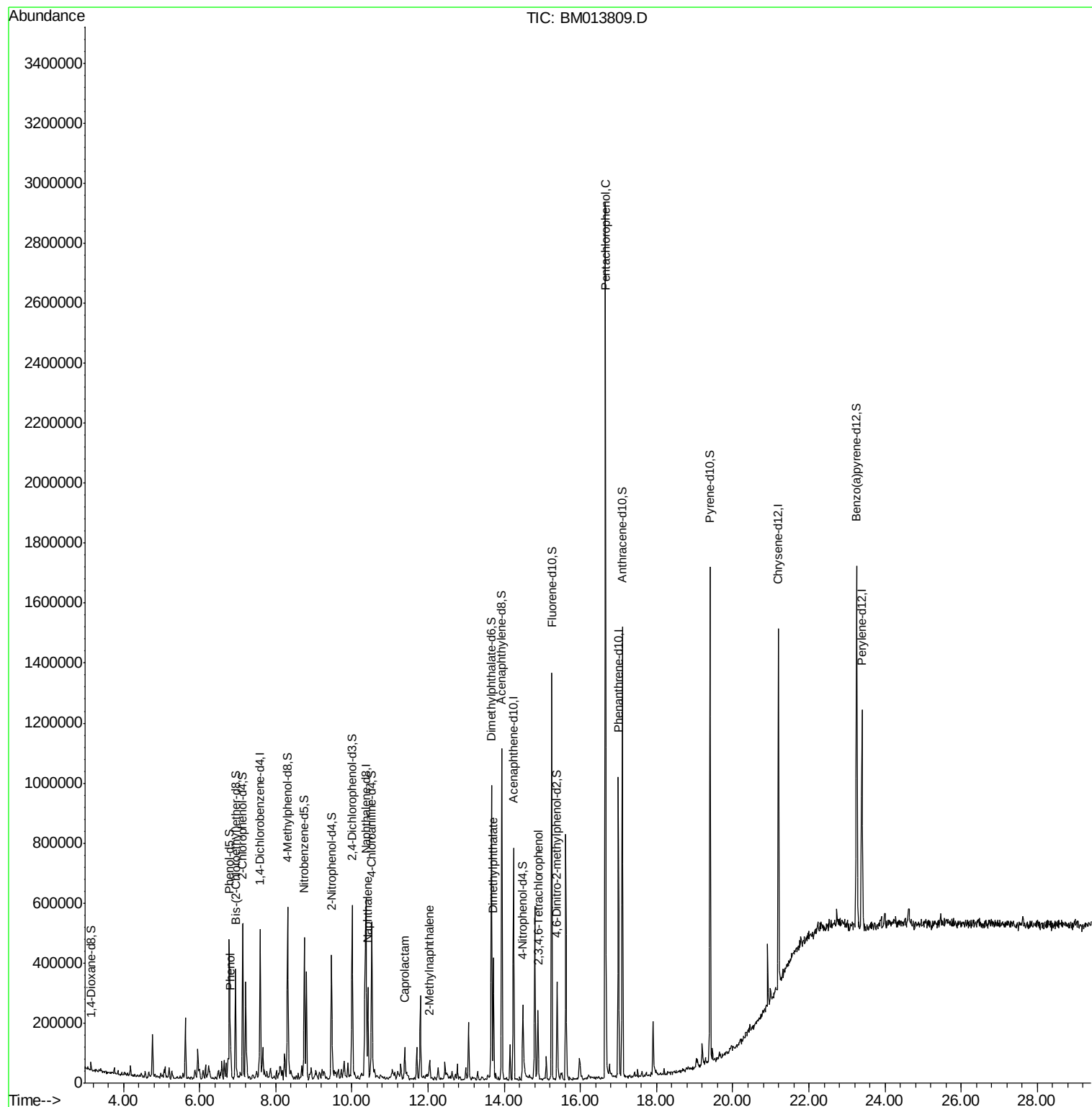
|                               |       |     |        |         | Ovalue |    |
|-------------------------------|-------|-----|--------|---------|--------|----|
| 6) Phenol                     | 6.81  | 94  | 33121  | 3.474   | ng/ul  | 96 |
| 28) Naphthalene               | 10.42 | 128 | 218940 | 9.907   | ng/ul  | 98 |
| 32) Caprolactam               | 11.39 | 113 | 4070   | 2.158   | ng/ul# | 70 |
| 34) 2-Methylnaphthalene       | 12.05 | 142 | 27810  | 1.688   | ng/ul  | 97 |
| 44) Dimethylphthalate         | 13.72 | 163 | 234242 | 11.723  | ng/ul  | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.89 | 232 | 44154  | 8.530   | ng/ul# | 90 |
| 68) Pentachlorophenol         | 16.66 | 266 | 478000 | 126.918 | ng/ul  | 97 |

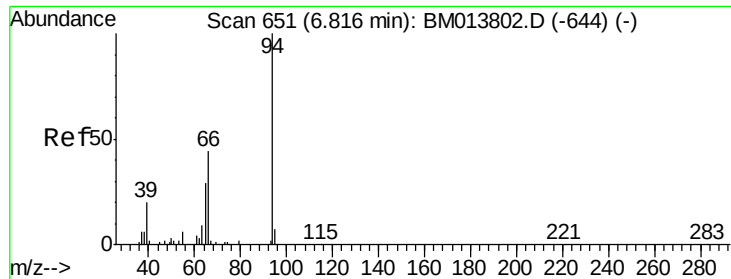
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jan 26 00:22:17 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 3.474 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM013809.D

Acq: 25 Jan 2018 17:13

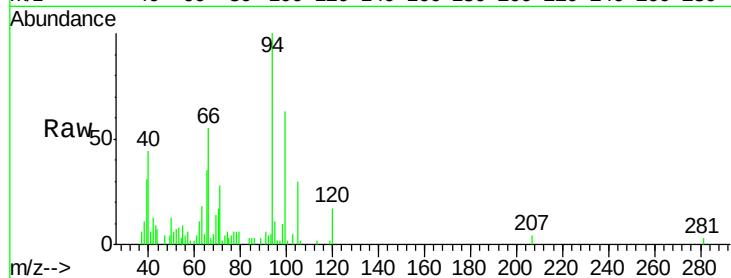
Instrument :

BNA\_M

ClientSampled :

Tot Ion: 94 Resp: 33121

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 35.2  | 28.2  | 42.4  |
| 66  | 54.9  | 47.2  | 70.8  |

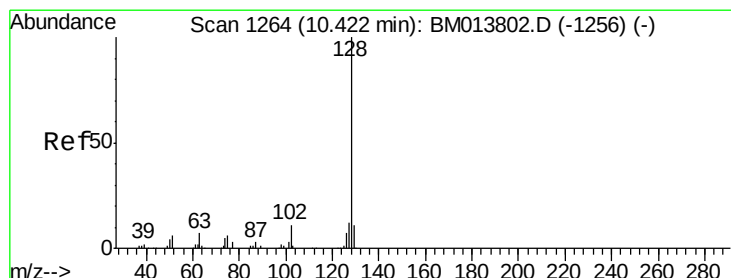
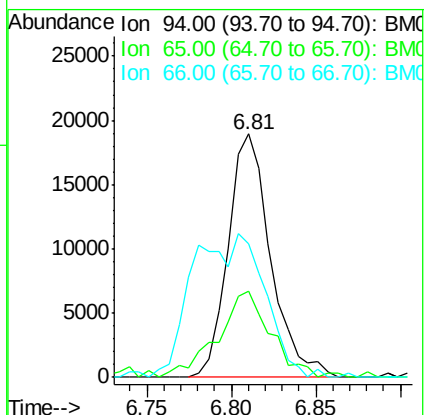
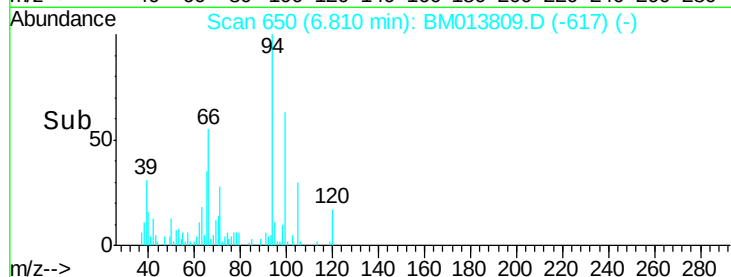


Abundance

Ion 94.00 (93.70 to 94.70): BM013802.D (-644) (-)

Ion 65.00 (64.70 to 65.70): BM013802.D (-644) (-)

Ion 66.00 (65.70 to 66.70): BM013802.D (-644) (-)



#28

Naphthalene

Concen: 9.907 ng/ul

RT: 10.42 min Scan# 1263

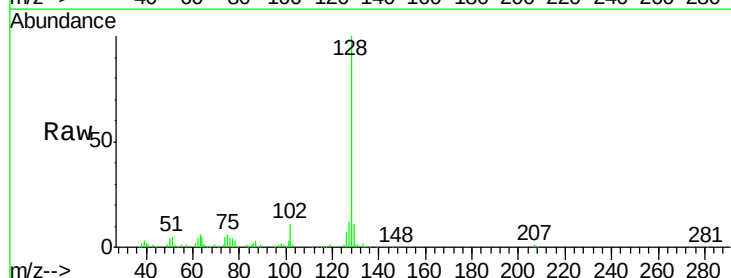
Delta R.T. -0.01 min

Lab File: BM013809.D

Acq: 25 Jan 2018 17:13

Tgt Ion: 128 Resp: 218940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.2  | 8.8   | 13.2  |
| 127 | 12.2  | 10.6  | 16.0  |

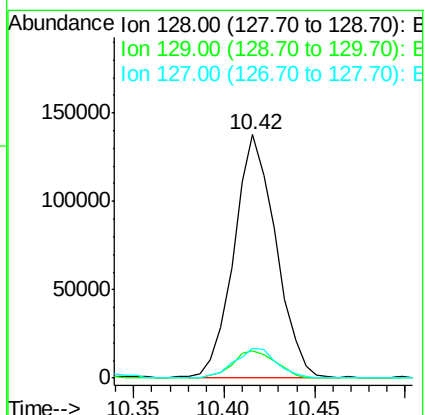
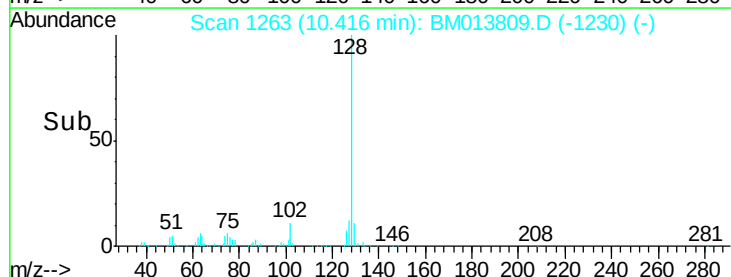


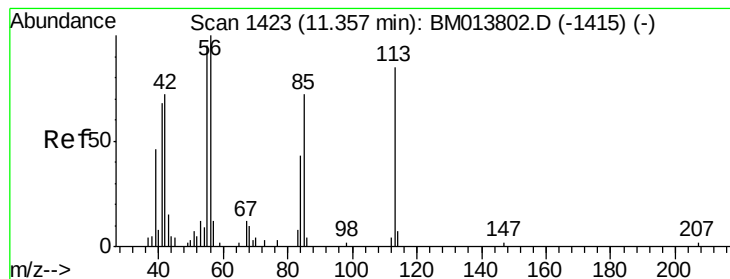
Abundance

Ion 128.00 (127.70 to 128.70): BM013802.D (-1256) (-)

Ion 129.00 (128.70 to 129.70): BM013802.D (-1256) (-)

Ion 127.00 (126.70 to 127.70): BM013802.D (-1256) (-)





#32

Caprolactam

Concen: 2.158 ng/ul

RT: 11.39 min Scan# 1429

Delta R.T. 0.04 min

Lab File: BM013809.D

Acq: 25 Jan 2018 17:13

Instrument :

BNA\_M

ClientSampled :

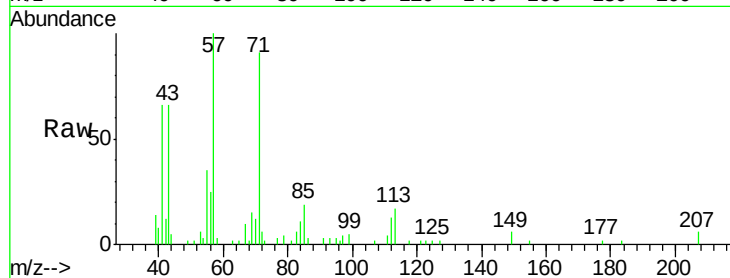
Tot Ion:113 Resp: 4070

Ion Ratio Lower Upper

113 100

55 210.2 208.0 312.0

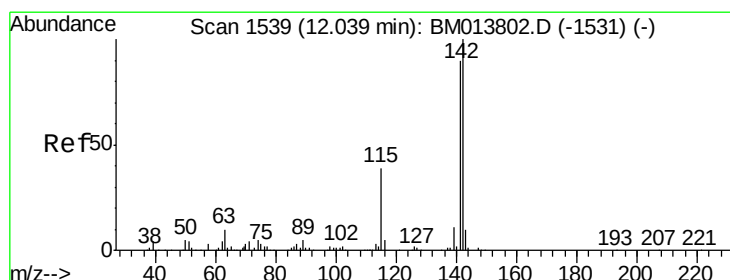
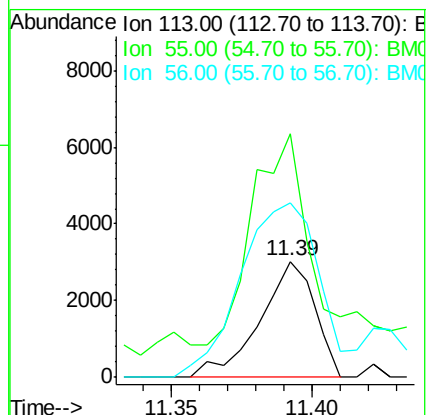
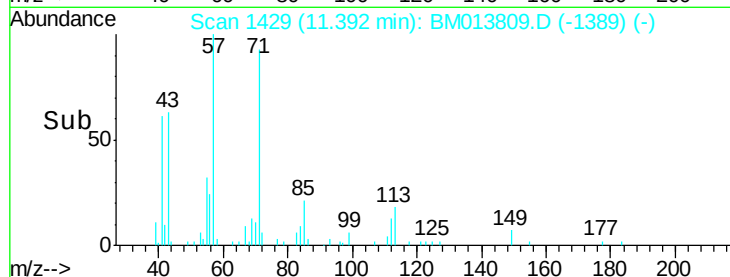
56 150.1 160.0 240.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 1.688 ng/ul

RT: 12.05 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM013809.D

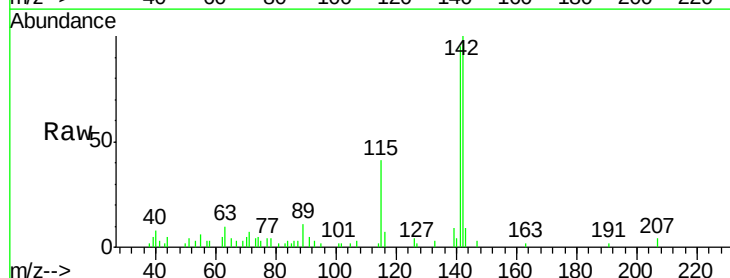
Acq: 25 Jan 2018 17:13

Tgt Ion:142 Resp: 27810

Ion Ratio Lower Upper

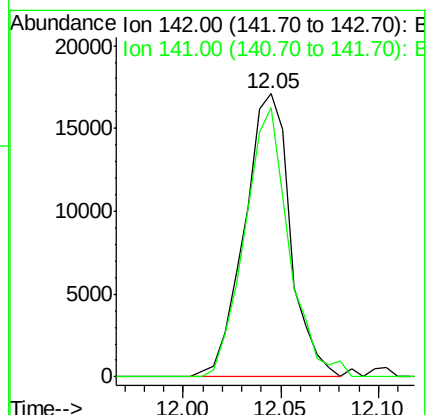
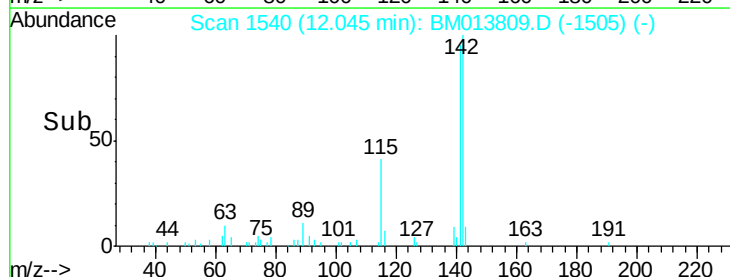
142 100

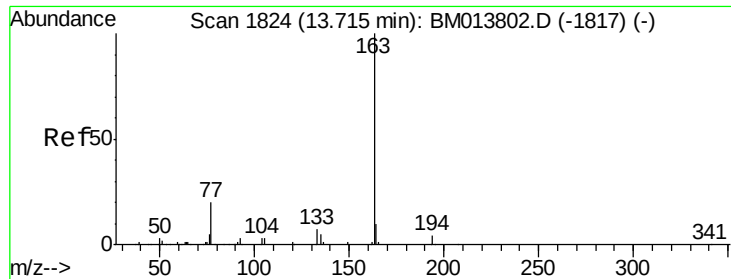
141 95.3 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

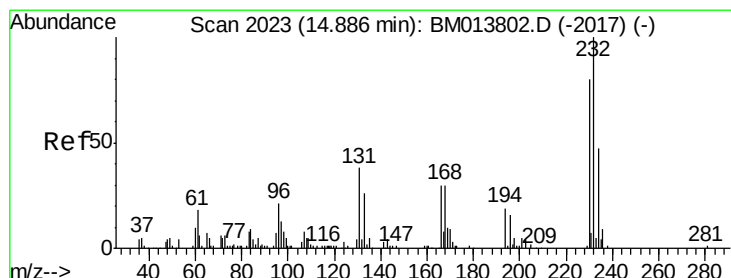
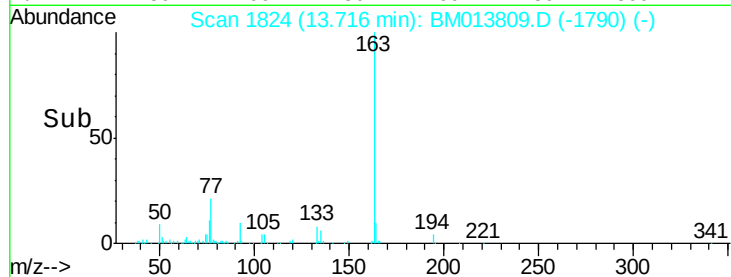
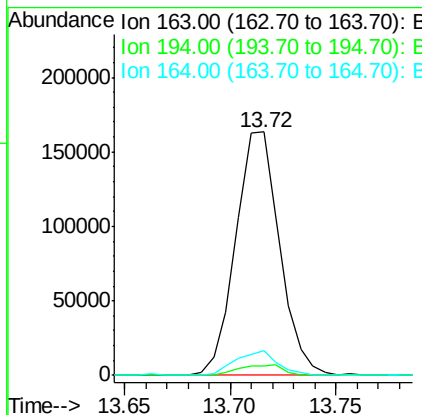
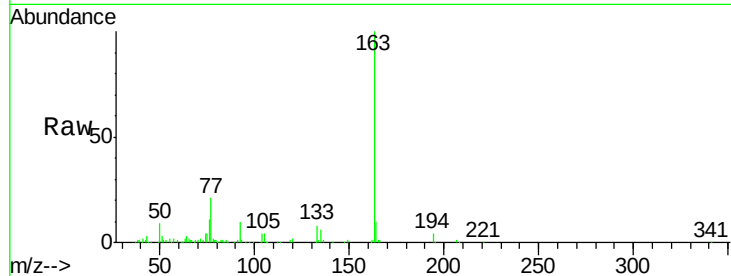




#44  
Dimethylphthalate  
Concen: 11.723 ng/ul  
RT: 13.72 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: BM013809.D  
Acq: 25 Jan 2018 17:13

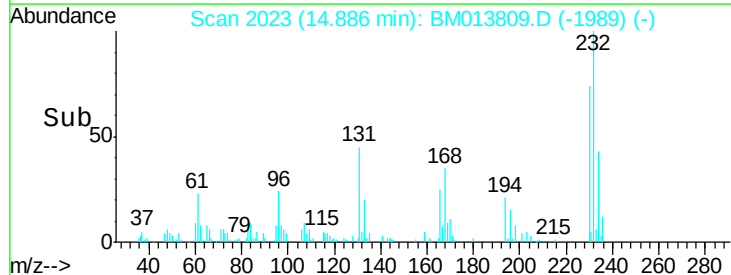
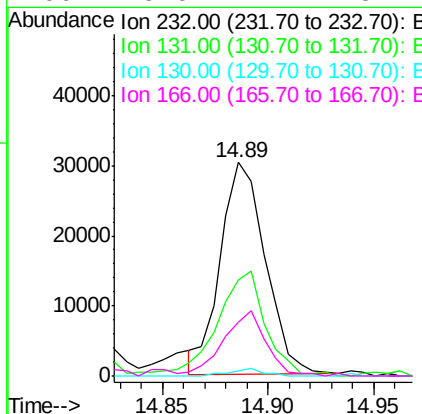
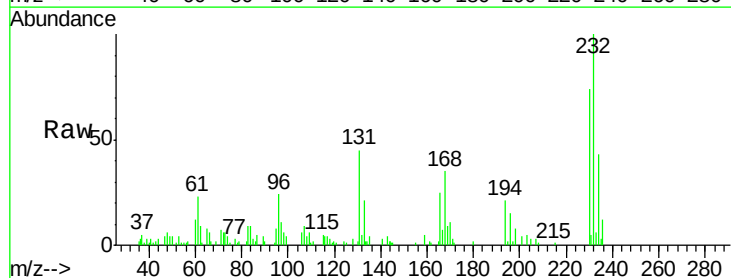
Instrument :  
BNA\_M  
ClientSampleId :

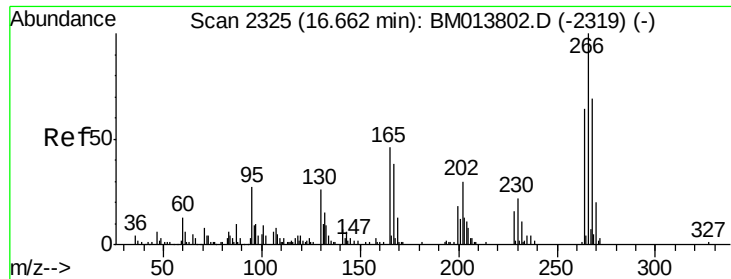
Tot Ion:163 Resp: 234242  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.5 5.3  
164 10.0 8.2 12.4



#55  
2,3,4,6-Tetrachlorophenol  
Concen: 8.530 ng/ul  
RT: 14.89 min Scan# 2023  
Delta R.T. 0.00 min  
Lab File: BM013809.D  
Acq: 25 Jan 2018 17:13

Tgt Ion:232 Resp: 44154  
Ion Ratio Lower Upper  
232 100  
131 44.8 29.0 43.4#  
130 2.2 2.0 3.0  
166 25.0 21.4 32.2

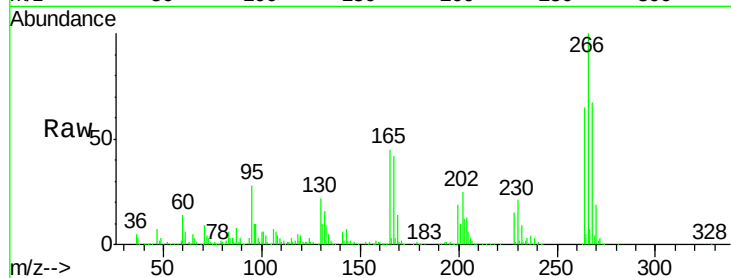




#68  
 Pentachlorophenol  
 Concen: 126.918 ng/ul  
 RT: 16.66 min Scan# 2324  
 Delta R.T. -0.01 min  
 Lab File: BM013809.D  
 Acq: 25 Jan 2018 17:13

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 64.9  | 49.3  | 73.9  |
| 268     | 66.9  | 52.6  | 78.8  |



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

