

Data File : BM024835.D  
Acq On : 11 Feb 2020 15:37  
Operator : CG/JU  
Sample : L1424-19DL 50X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C5B29DL2

Quant Time: Feb 12 04:12:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 12 04:09:26 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 261645   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.16 | 136  | 993299   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 624646   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.81 | 188  | 1311040  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.02 | 240  | 1362828  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.13 | 264  | 1455773  | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.02  | 96  | 125   | 0.02 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.61  | 99  | 1703  | 0.10 | ng/ul | 0.01  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 5492  | 0.56 | ng/ul | 0.01  |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 5870  | 0.38 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.13  | 113 | 2852  | 0.19 | ng/ul | 0.02  |
| 19) Nitrobenzene-d5            | 8.55  | 128 | 4426  | 0.62 | ng/ul | 0.01  |
| 22) 2-Nitrophenol-d4           | 9.27  | 143 | 3478  | 0.41 | ng/ul | 0.01  |
| 26) 2,4-Dichlorophenol-d3      | 9.81  | 165 | 6794  | 0.40 | ng/ul | 0.02  |
| 29) 4-Chloroaniline-d4         | 10.29 | 131 | 6162  | 0.38 | ng/ul | -0.01 |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 32796 | 0.70 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 37145 | 0.67 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0     | 0.00 | ng/ul |       |
| 58) Fluorene-d10               | 15.06 | 176 | 30178 | 0.72 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 19881 | 2.33 | ng/ul | 0.02  |
| 71) Anthracene-d10             | 16.91 | 188 | 46154 | 0.77 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.22 | 212 | 49332 | 0.72 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 22.99 | 264 | 51773 | 0.71 | ng/ul | 0.00  |

Target Compounds

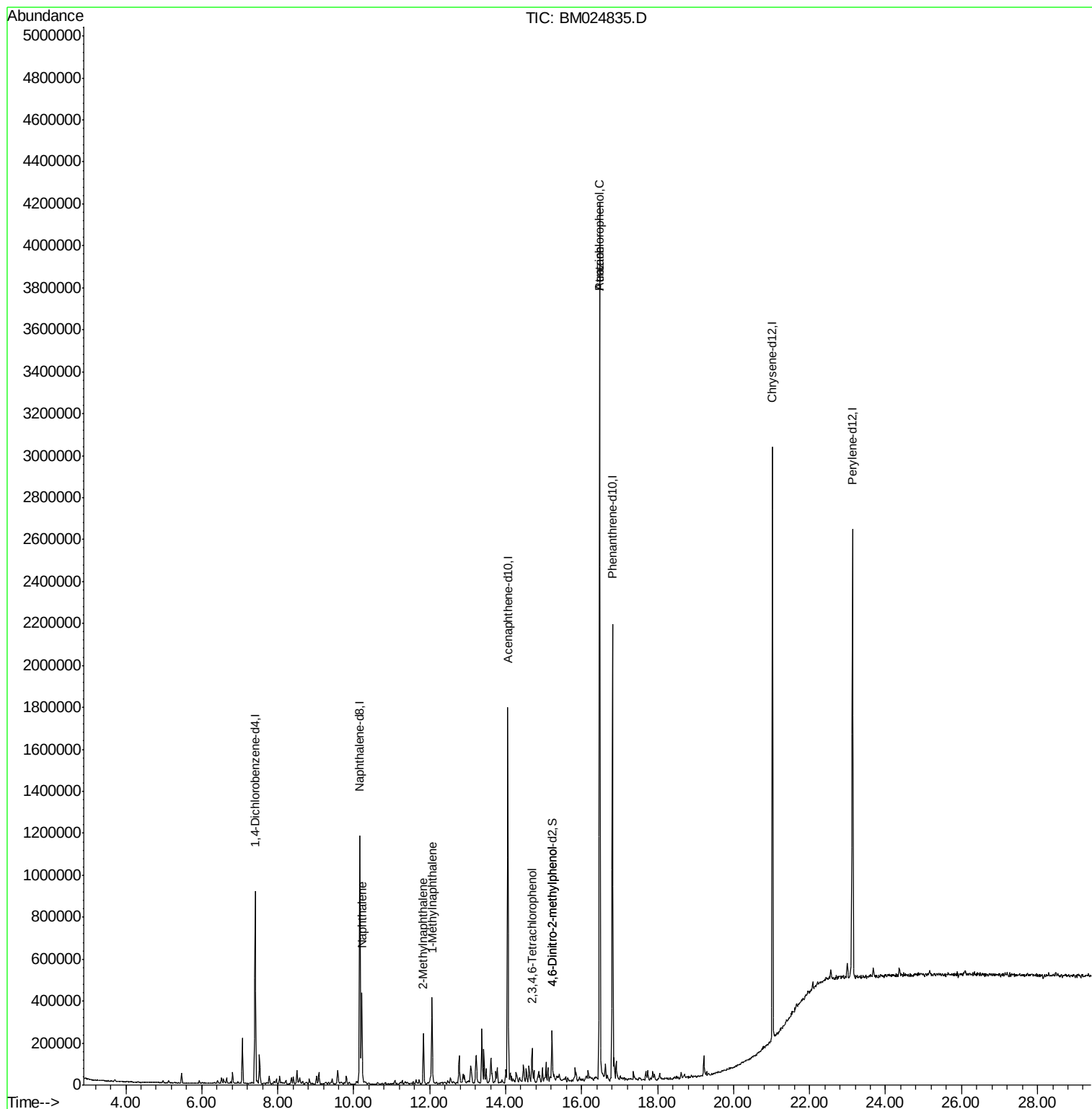
|                                |       |     |        |        | Qvalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 28) Naphthalene                | 10.21 | 128 | 342041 | 6.740  | ng/ul  | 99 |
| 34) 2-Methylnaphthalene        | 11.83 | 142 | 117110 | 3.133  | ng/ul  | 97 |
| 35) 1-Methylnaphthalene        | 12.06 | 142 | 188461 | 5.055  | ng/ul  | 97 |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.70 | 232 | 23696  | 1.706  | ng/ul# | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.22 | 198 | 54286  | 5.935  | ng/ul# | 64 |
| 68) Atrazine                   | 16.47 | 200 | 126865 | 8.062  | ng/ul# | 35 |
| 69) Pentachlorophenol          | 16.47 | 266 | 811663 | 69.866 | ng/ul  | 99 |

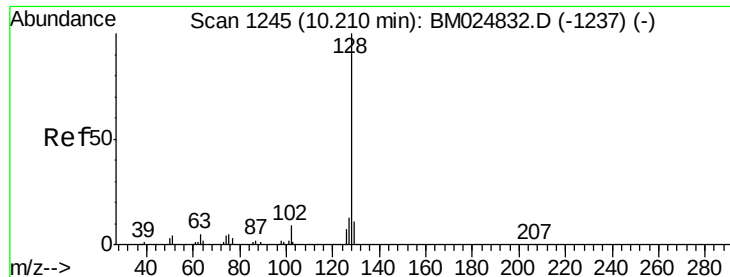
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 6.740 ng/ul

RT: 10.21 min Scan# 1245

Delta R.T. 0.00 min

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BNA\_M

ClientSampleId :

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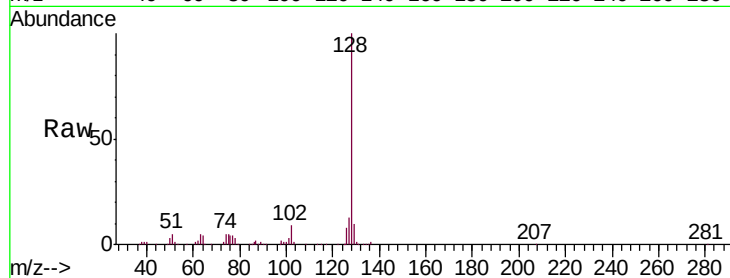
Tgt Ion:128 Resp: 342041

Ion Ratio Lower Upper

128 100

129 10.4 9.1 13.7

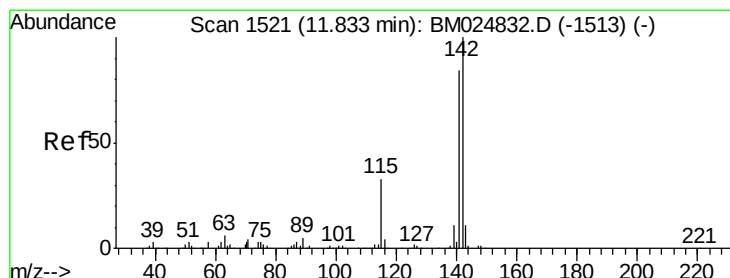
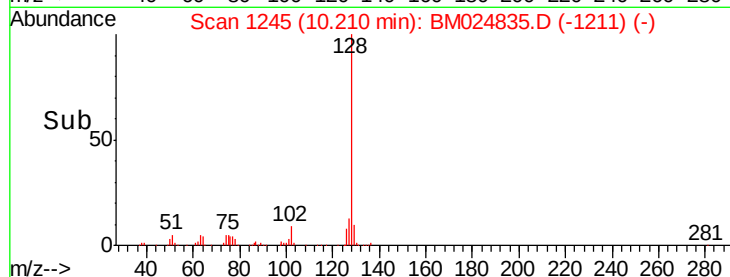
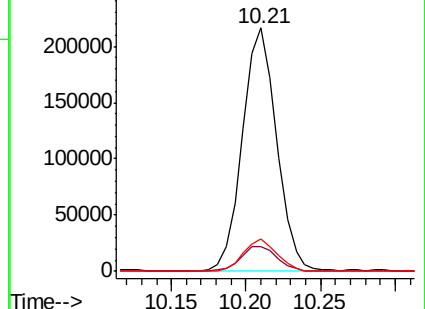
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.133 ng/ul

RT: 11.83 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BM024835.D

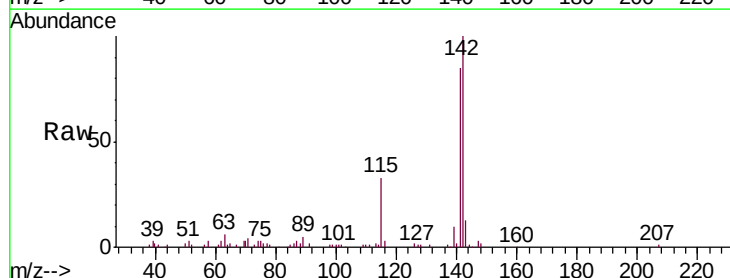
Acq: 11 Feb 2020 15:37

Tgt Ion:142 Resp: 117110

Ion Ratio Lower Upper

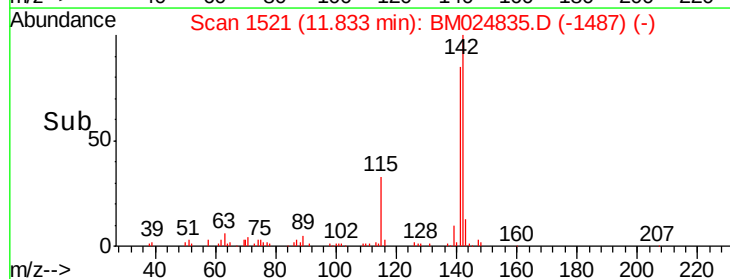
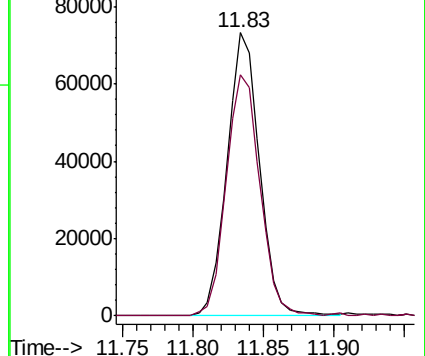
142 100

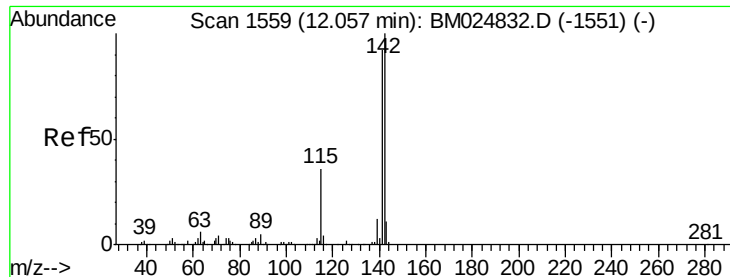
141 85.1 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 5.055 ng/ul

RT: 12.06 min Scan# 1559

Delta R.T. 0.00 min

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Instrument :

BNA\_M

ClientSampleId :

C5B29DL2

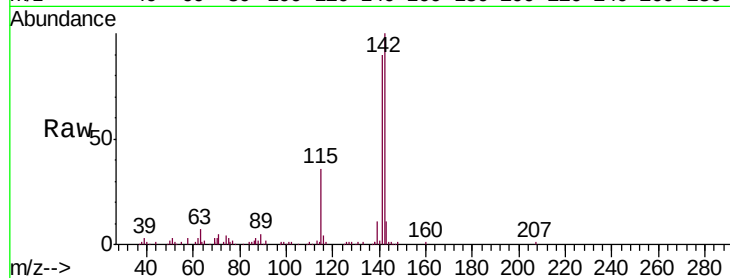
Tgt Ion:142 Resp: 188461

Ion Ratio Lower Upper

142 100

141 89.6 74.1 111.1

116 3.6 3.0 4.4

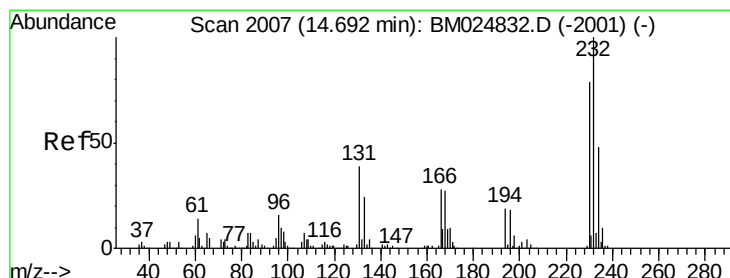
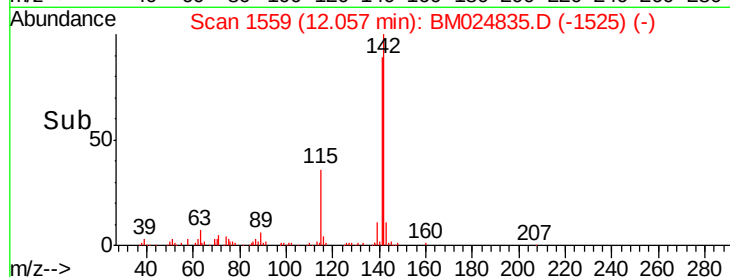
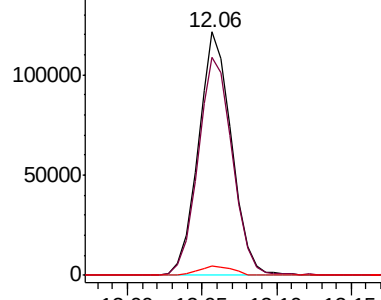


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#56

2,3,4,6-Tetrachlorophenol

Concen: 1.706 ng/ul

RT: 14.70 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BM024835.D

Acq: 11 Feb 2020 15:37

Tgt Ion:232 Resp: 23696

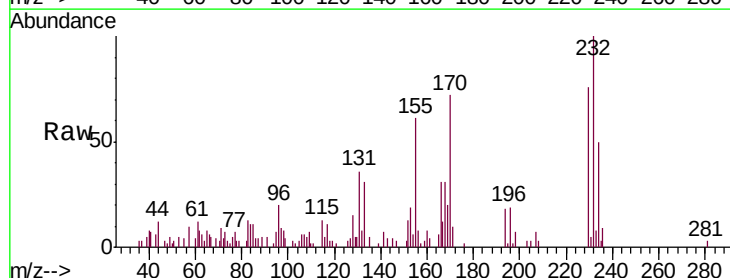
Ion Ratio Lower Upper

232 100

131 36.1 28.5 42.7

130 4.9 1.4 2.0#

166 31.0 22.7 34.1



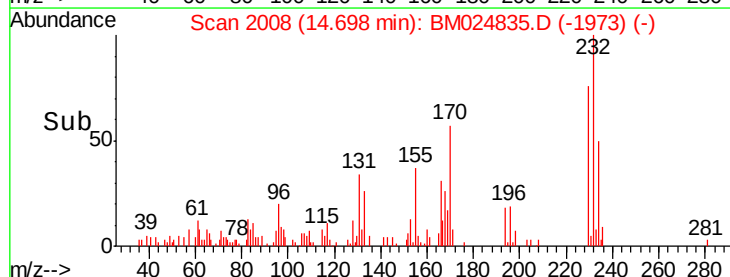
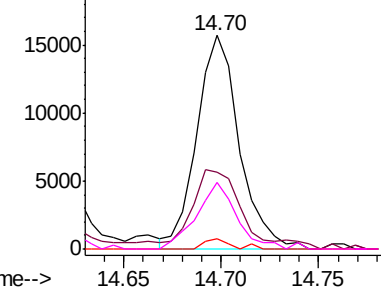
Abundance

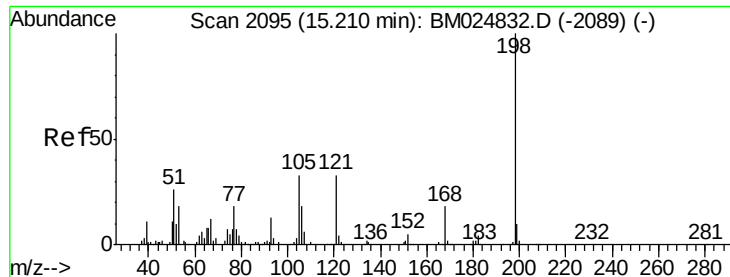
Ion 232.00 (231.70 to 232.70): E

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

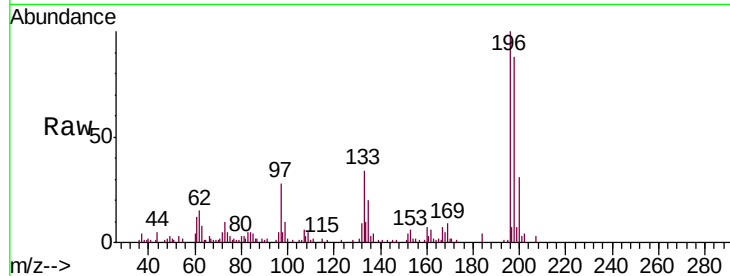




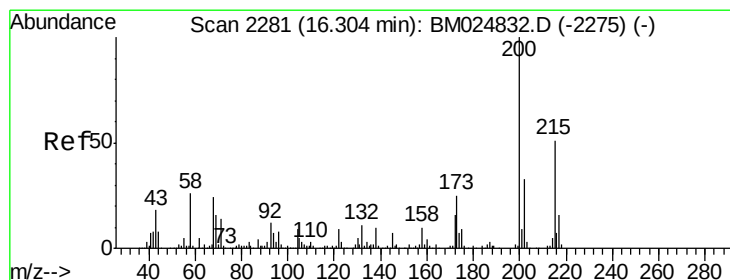
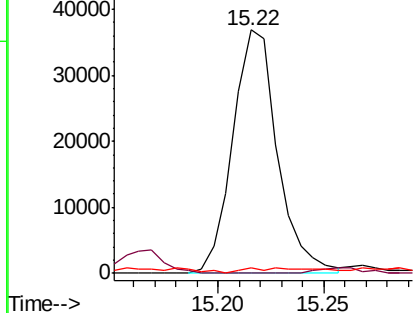
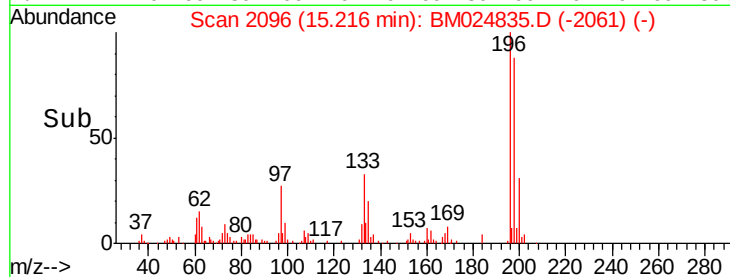
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.935 ng/ul  
 RT: 15.22 min Scan# 2096  
 Delta R.T. 0.01 min  
 Lab File: BM024835.D  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 0.0   | 3.7   | 5.5#  |
| 77      | 2.4   | 17.0  | 25.6# |

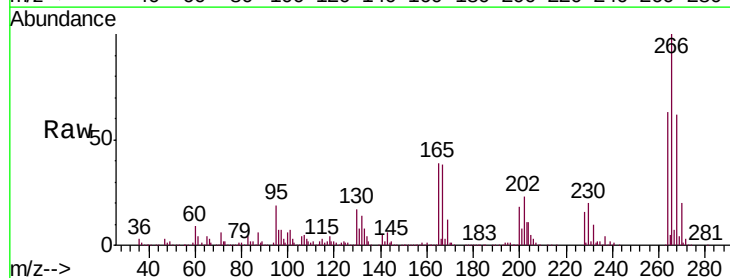


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): BM

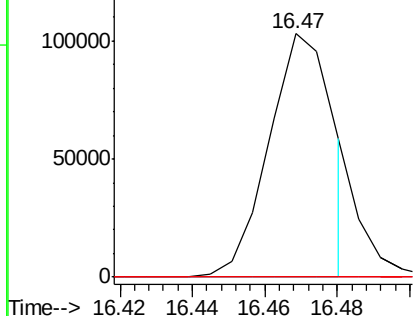
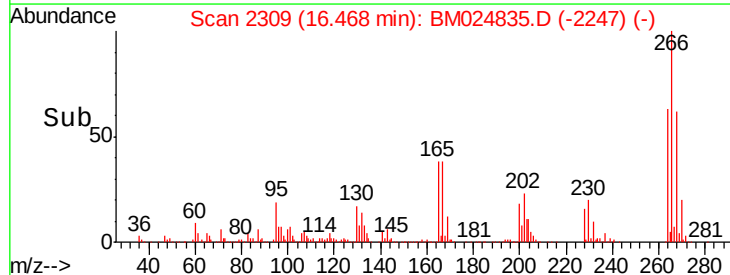


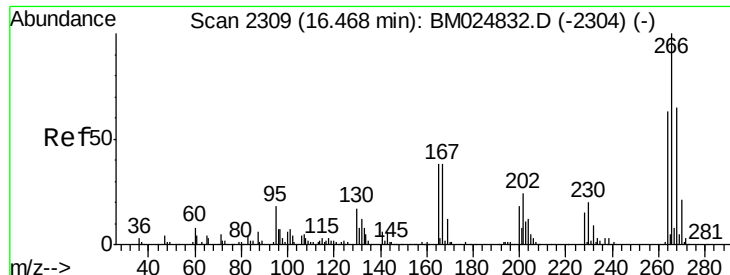
#68  
 Atrazine  
 Concen: 8.062 ng/ul  
 RT: 16.47 min Scan# 2309  
 Delta R.T. 0.16 min  
 Lab File: BM024835.D  
 Acq: 11 Feb 2020 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 0.0   | 20.1  | 30.1# |
| 215     | 0.0   | 40.2  | 60.2# |



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

Pentachlorophenol

Concen: 69.866 ng/ul

RT: 16.47 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BM024835.D

Acq: 11 Feb 2020 15:37

Instrument :

BNA\_M

ClientSampleId :

C5B29DL2

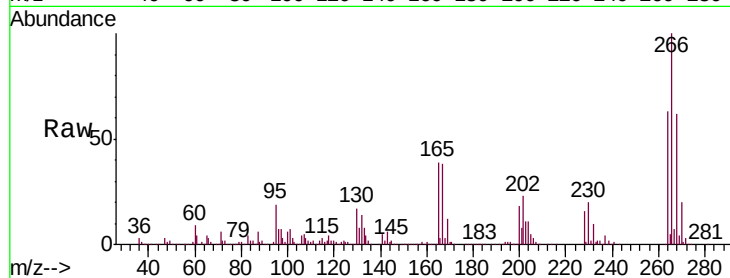
Tgt Ion:266 Resp: 811663

Ion Ratio Lower Upper

266 100

264 63.1 50.0 75.0

268 62.4 50.4 75.6



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

