

Data File : BM024007.D  
Acq On : 04 Dec 2019 18:25  
Operator : JU  
Sample : K4649-08MSD  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A5169MSD

Quant Time: Dec 05 02:49:19 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM112719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 05 02:46:26 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.47  | 152  | 344050   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.25 | 136  | 1360362  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.14 | 164  | 800461   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 1659282  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.10 | 240  | 1654962  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.25 | 264  | 2023084  | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 41676   | 5.39  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.67  | 99  | 795843  | 26.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.83  | 67  | 491711  | 28.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.02  | 132 | 645734  | 27.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.20  | 113 | 575092  | 24.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 308865  | 29.25 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.35  | 143 | 340082  | 28.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.89  | 165 | 600208  | 26.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.40 | 131 | 768098  | 30.80 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.56 | 166 | 1828928 | 29.41 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.83 | 160 | 2196798 | 30.14 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.37 | 143 | 272590  | 26.07 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.14 | 176 | 1581056 | 30.21 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.29 | 200 | 209359  | 20.10 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.99 | 188 | 2415893 | 30.49 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.30 | 212 | 2801212 | 32.76 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.12 | 264 | 3493331 | 32.67 | ng/ul | 0.00 |

Target Compounds

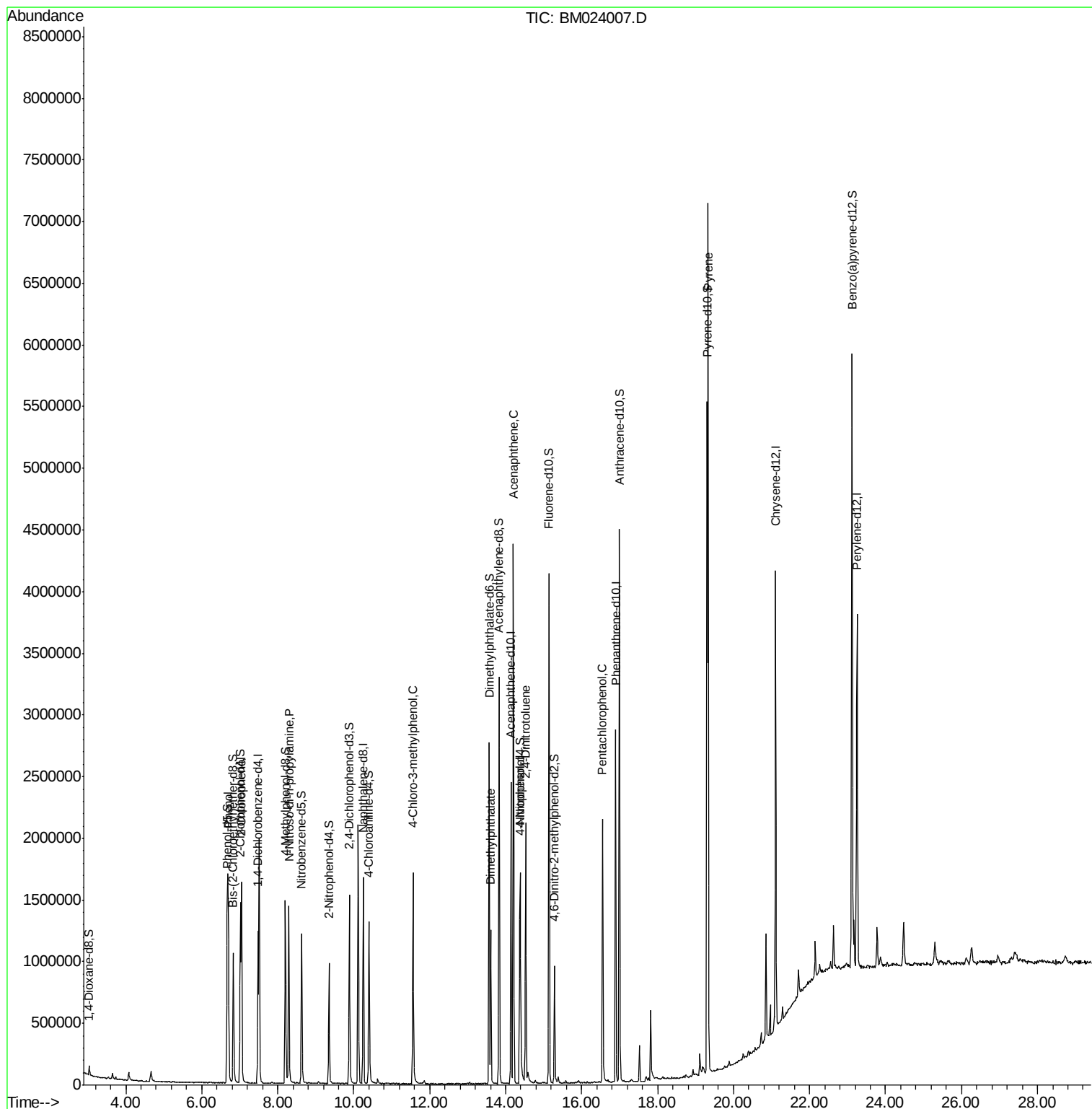
|                                |       |     |         |        |       | Qvalue |
|--------------------------------|-------|-----|---------|--------|-------|--------|
| 6) Phenol                      | 6.69  | 94  | 983945  | 31.721 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.05  | 128 | 726625  | 30.469 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.29  | 70  | 591637  | 30.422 | ng/ul | 96     |
| 33) 4-Chloro-3-methylphenol    | 11.56 | 107 | 713813  | 30.884 | ng/ul | 100    |
| 45) Dimethylphthalate          | 13.61 | 163 | 784111  | 12.879 | ng/ul | 99     |
| 50) Acenaphthene               | 14.20 | 153 | 1710220 | 32.658 | ng/ul | 100    |
| 53) 4-Nitrophenol              | 14.38 | 109 | 274270  | 35.596 | ng/ul | 95     |
| 55) 2,4-Dinitrotoluene         | 14.53 | 165 | 624779  | 36.060 | ng/ul | 87     |
| 69) Pentachlorophenol          | 16.56 | 266 | 401728  | 30.236 | ng/ul | 96     |
| 80) Pyrene                     | 19.33 | 202 | 4096364 | 36.736 | ng/ul | 97     |

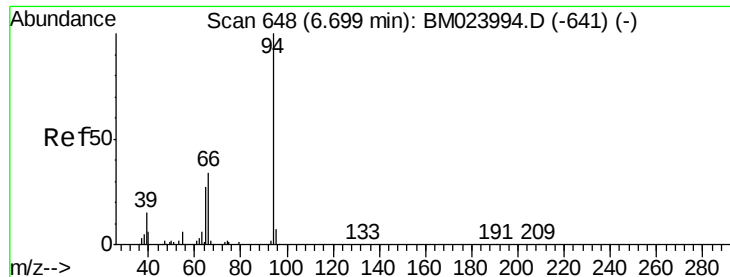
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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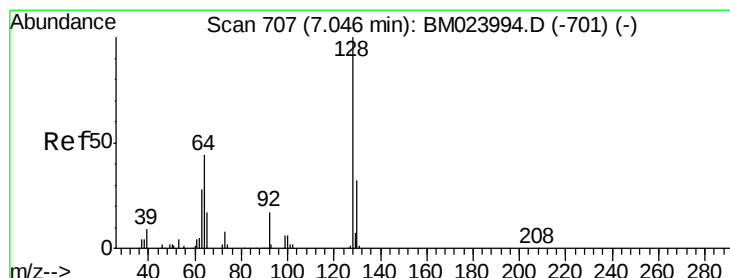
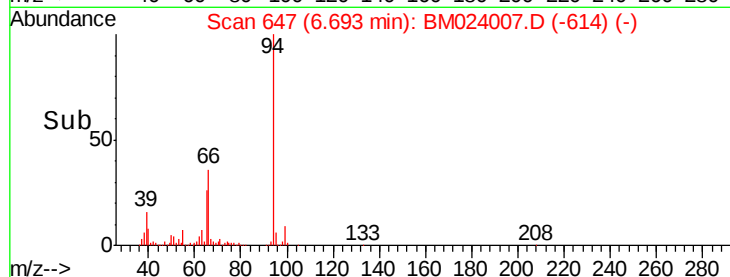
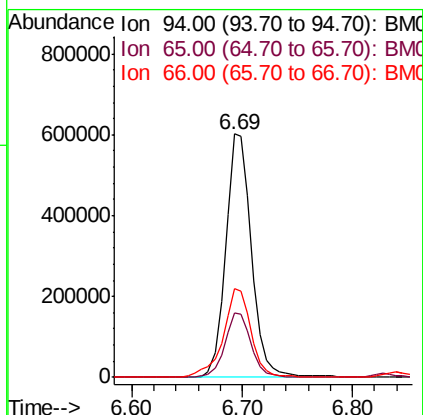
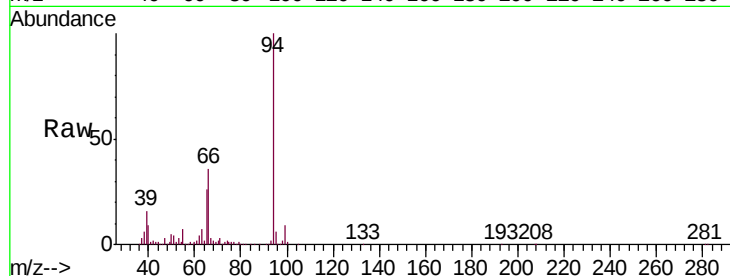
#6

Phenol

Concen: 31.721 ng/ul  
 RT: 6.69 min Scan# 647  
 Delta R.T. -0.01 min  
 Lab File: BM024007.D  
 Acq: 04 Dec 2019 18:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A5169MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 26.4  | 21.7  | 32.5  |
| 66      | 36.2  | 28.8  | 43.2  |

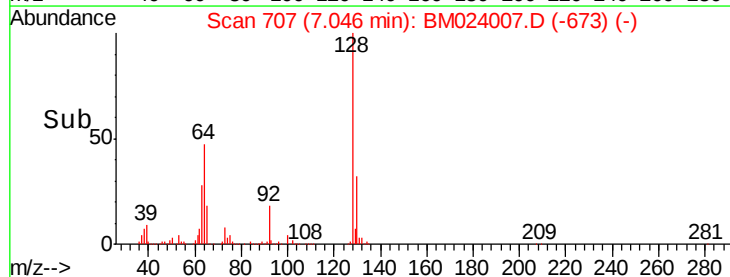
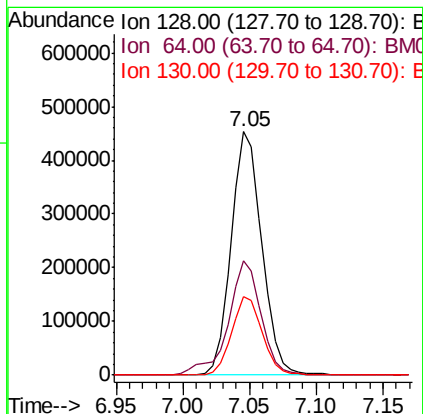
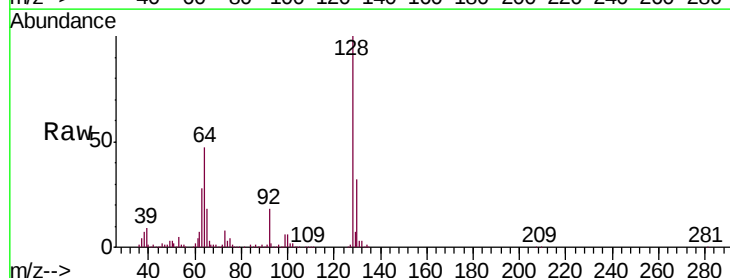


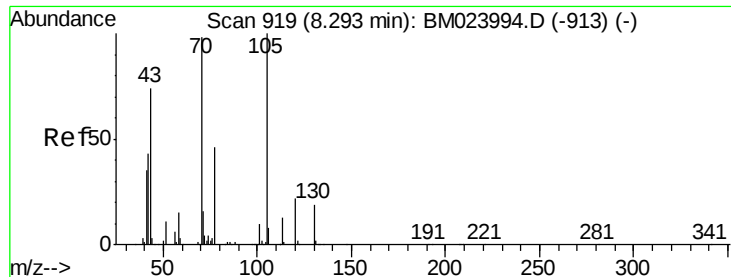
#10

2-Chlorophenol

Concen: 30.469 ng/ul  
 RT: 7.05 min Scan# 707  
 Delta R.T. -0.00 min  
 Lab File: BM024007.D  
 Acq: 04 Dec 2019 18:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 47.0  | 38.2  | 57.4  |
| 130     | 32.3  | 25.9  | 38.9  |

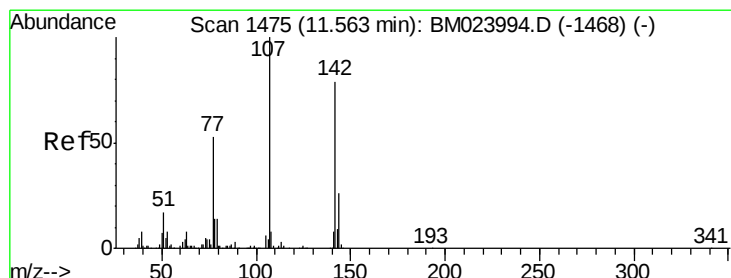
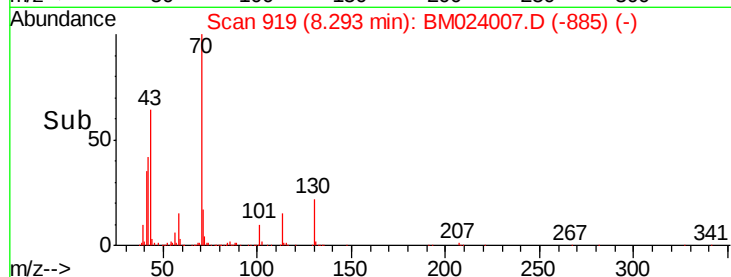
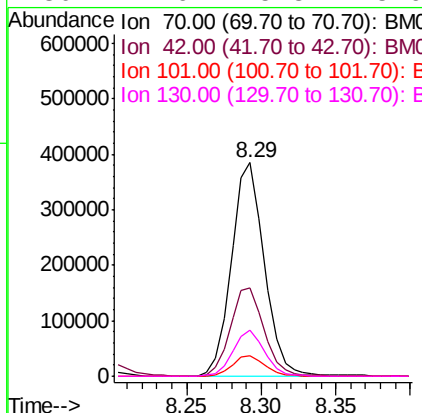
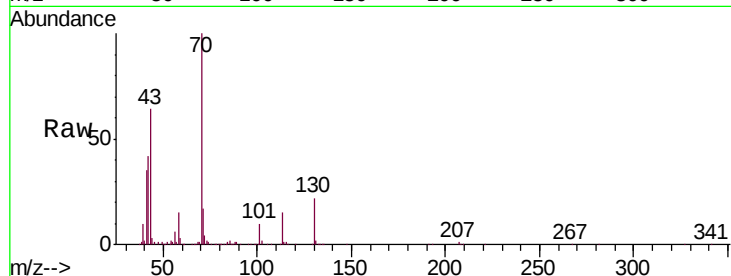




#15  
N-Nitroso-di-n-propylamine  
Concen: 30.422 ng/ul  
RT: 8.29 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BM024007.D  
Acq: 04 Dec 2019 18:25

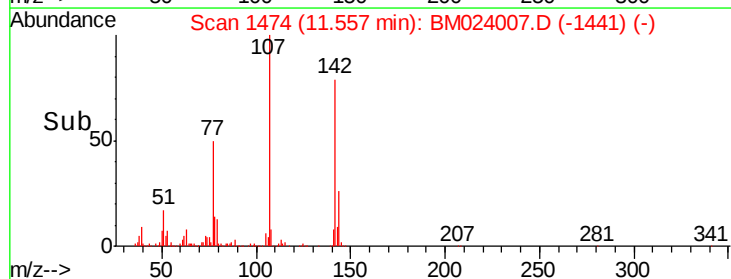
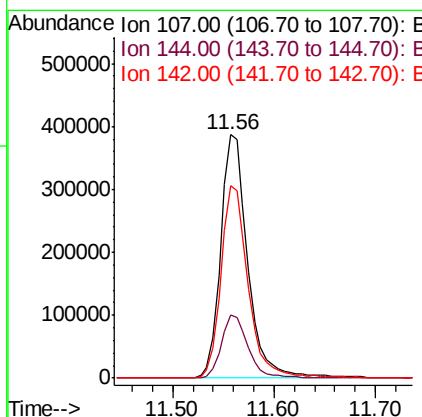
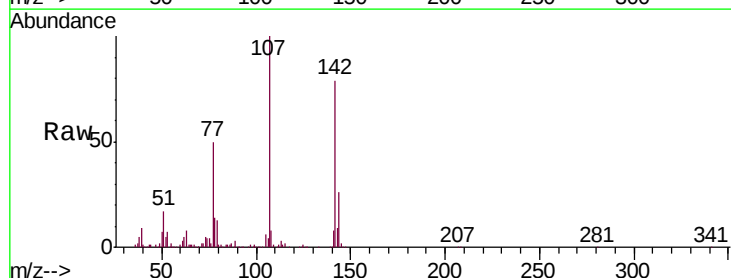
Instrument :  
BNA\_M  
ClientSampleId :  
A5169MSD

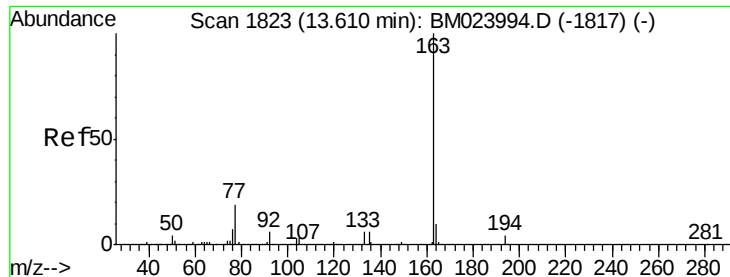
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 591637 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 41.7  | 35.8  | 53.6   |
| 101      | 9.9   | 8.0   | 12.0   |
| 130      | 21.6  | 15.8  | 23.6   |



#33  
4-Chloro-3-methylphenol  
Concen: 30.884 ng/ul  
RT: 11.56 min Scan# 1474  
Delta R.T. -0.01 min  
Lab File: BM024007.D  
Acq: 04 Dec 2019 18:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 713813 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 26.1  | 20.5  | 30.7   |
| 142      | 79.1  | 63.4  | 95.2   |

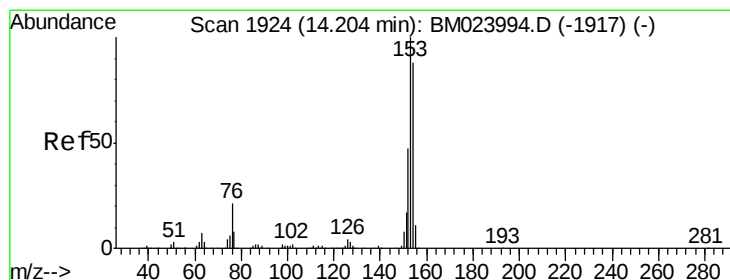
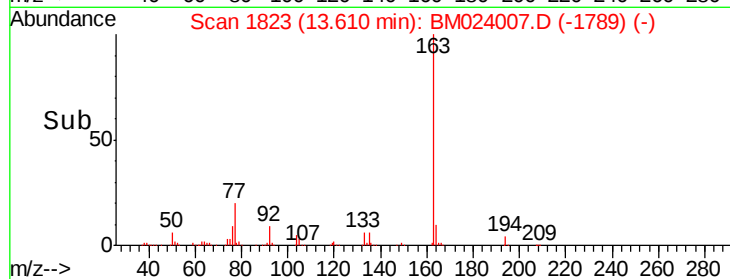
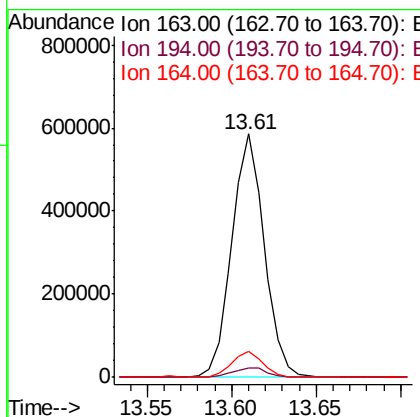
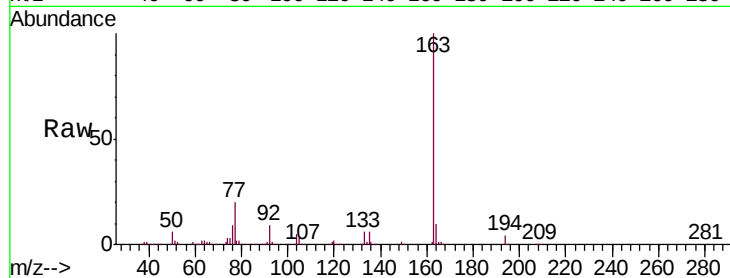




#45  
Dimethylphthalate  
Concen: 12.879 ng/ul  
RT: 13.61 min Scan# 1823  
Delta R.T. -0.00 min  
Lab File: BM024007.D  
Acq: 04 Dec 2019 18:25

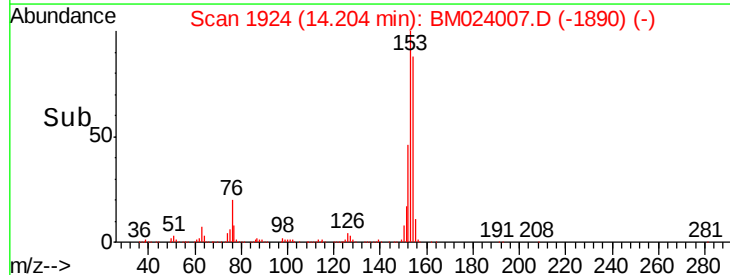
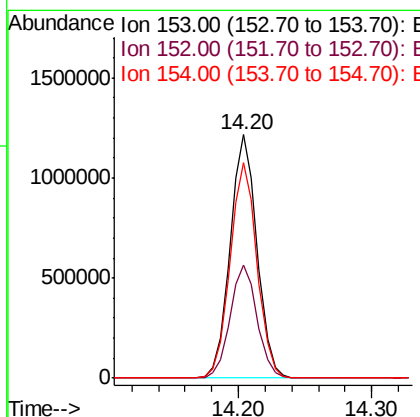
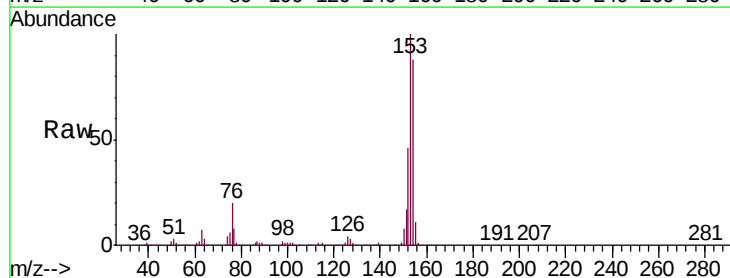
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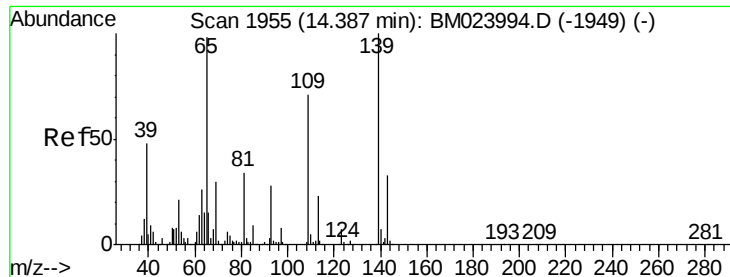
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.3   | 4.9   |
| 164     | 10.5  | 7.9   | 11.9  |



#50  
Acenaphthene  
Concen: 32.658 ng/ul  
RT: 14.20 min Scan# 1924  
Delta R.T. -0.00 min  
Lab File: BM024007.D  
Acq: 04 Dec 2019 18:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 46.4  | 37.5  | 56.3  |
| 154     | 88.4  | 70.7  | 106.1 |





#53

4-Nitrophenol

Concen: 35.596 ng/ul

RT: 14.38 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BM024007.D

Acq: 04 Dec 2019 18:25

Instrument :

BNA\_M

ClientSampleId :

A5169MSD

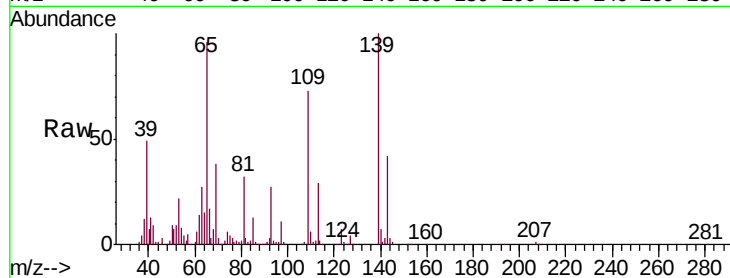
Tgt Ion:109 Resp: 274270

Ion Ratio Lower Upper

109 100

139 136.3 112.4 168.6

65 130.7 110.7 166.1

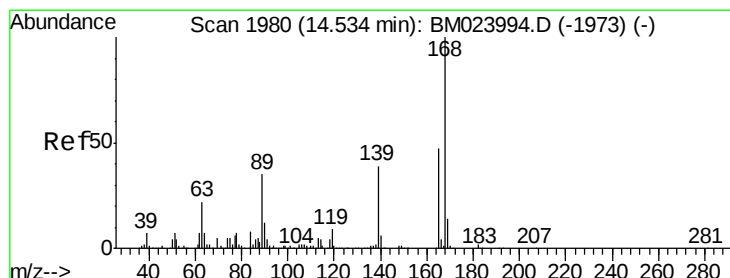
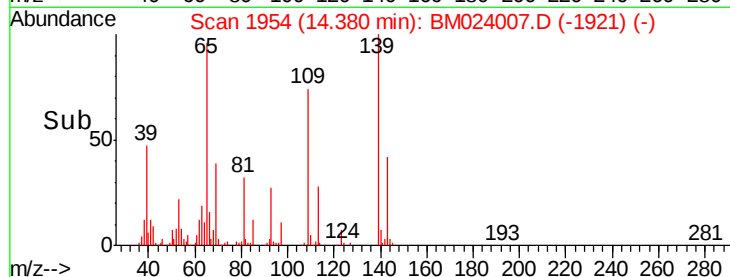
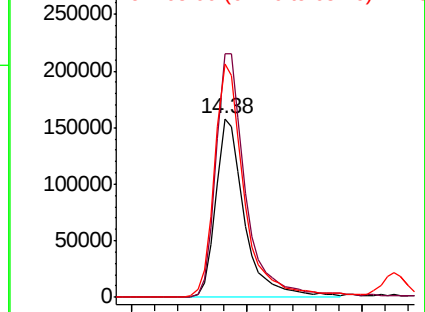


Abundance

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



#55

2,4-Dinitrotoluene

Concen: 36.060 ng/ul

RT: 14.53 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BM024007.D

Acq: 04 Dec 2019 18:25

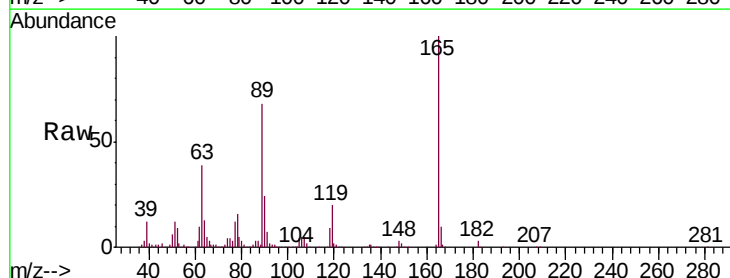
Tgt Ion:165 Resp: 624779

Ion Ratio Lower Upper

165 100

63 39.0 38.6 57.8

182 3.4 2.6 3.8

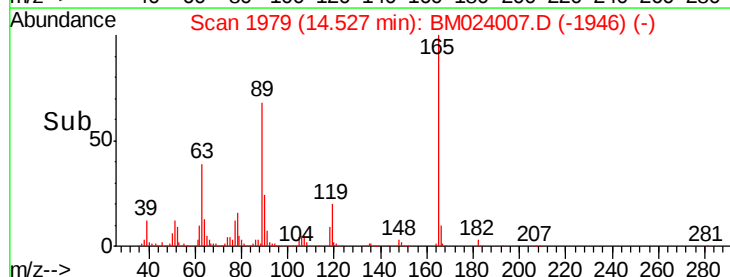
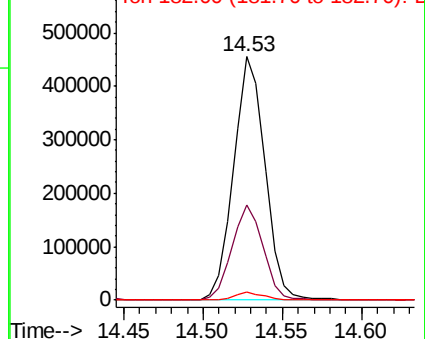


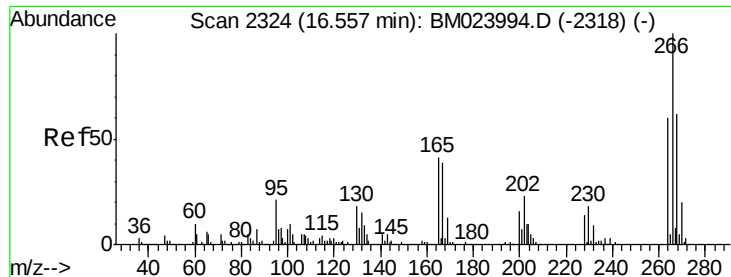
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

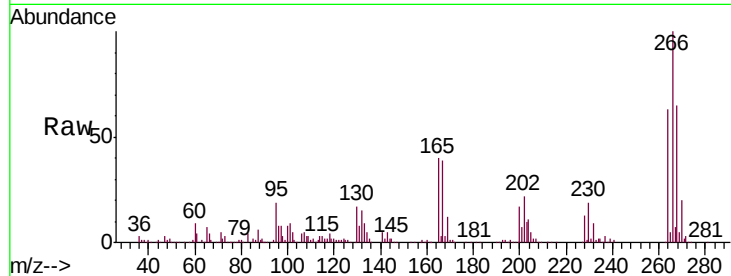




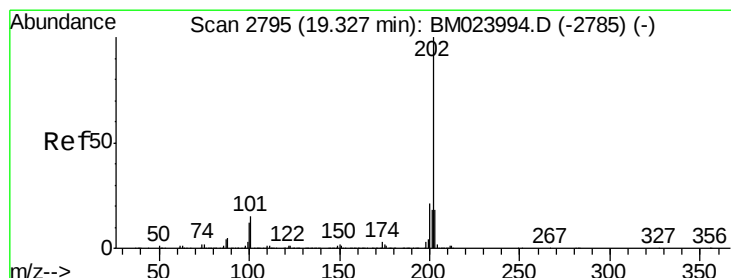
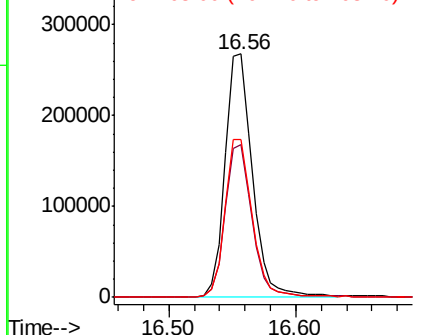
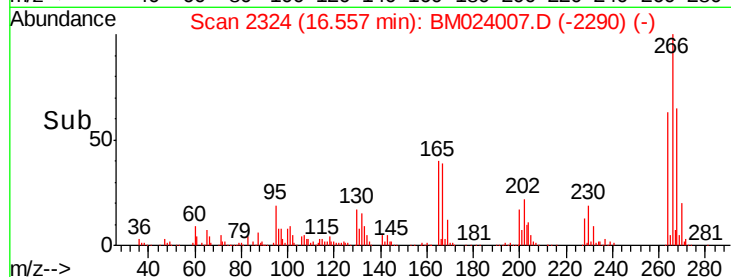
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 Pentachlorophenol  
 Concen: 30.236 ng/ul  
 RT: 16.56 min Scan# 2324  
 Delta R.T. -0.00 min  
 Lab File: BM024007.D  
 Acq: 04 Dec 2019 18:25

Instrument :  
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Tgt Ion:266 Resp: 401728  
 Ion Ratio Lower Upper  
 266 100  
 264 63.0 48.2 72.2  
 268 64.6 49.6 74.4

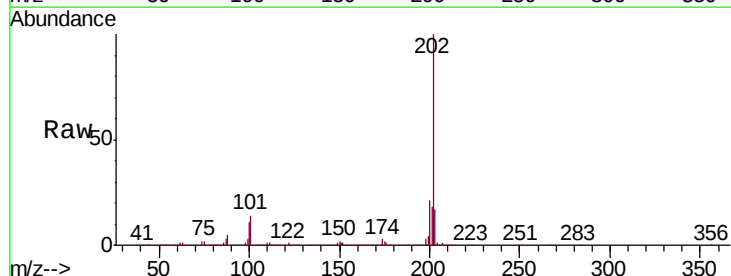


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#80  
 Pyrene  
 Concen: 36.736 ng/ul  
 RT: 19.33 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: BM024007.D  
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Tgt Ion:202 Resp: 4096364  
 Ion Ratio Lower Upper  
 202 100  
 101 13.6 11.8 17.6  
 100 11.1 9.8 14.6



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): E

