

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
 Data File : BM024993.D  
 Acq On : 21 Feb 2020 18:58  
 Operator : CG/JU  
 Sample : L1582-02MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDJ5MS

Manual Integrations  
 APPROVED

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 2/24/2020 3:30:55 PM

Quant Time: Feb 22 01:29:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Feb 22 01:15:56 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.34  | 152  | 147512   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.09 | 136  | 575257   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.00 | 164  | 379498   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.75 | 188  | 848711   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 20.97 | 240  | 882184   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.04 | 264  | 1092832  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.95  | 96  | 23528   | 7.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.55  | 99  | 74368   | 7.59  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.69  | 67  | 227309  | 41.07 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.88  | 132 | 251484  | 28.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.06  | 113 | 144434  | 17.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.48  | 128 | 151315  | 36.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.19  | 143 | 169213  | 34.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.73  | 165 | 297579  | 30.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.26 | 131 | 19191m  | 2.07  | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 13.42 | 166 | 1075085 | 37.53 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.68 | 160 | 1251323 | 37.40 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.25 | 143 | 18341m  | 3.94  | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.00 | 176 | 957116  | 37.73 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.13 | 200 | 156478  | 28.28 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.85 | 188 | 1506346 | 38.88 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.16 | 212 | 1807482 | 40.96 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.91 | 264 | 2124208 | 38.70 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.57  | 94  | 101245  | 9.816  | ng/ul 97  |
| 10) 2-Chlorophenol             | 6.91  | 128 | 265420  | 29.653 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.15  | 70  | 278519  | 45.223 | ng/ul# 83 |
| 33) 4-Chloro-3-methylphenol    | 11.40 | 107 | 282954  | 31.142 | ng/ul 95  |
| 45) Dimethylphthalate          | 13.47 | 163 | 63050   | 2.110  | ng/ul 98  |
| 50) Acenaphthene               | 14.06 | 153 | 886238  | 37.870 | ng/ul 97  |
| 53) 4-Nitrophenol              | 14.26 | 109 | 13217   | 3.477  | ng/ul 94  |
| 55) 2,4-Dinitrotoluene         | 14.38 | 165 | 300044  | 34.791 | ng/ul# 95 |
| 69) Pentachlorophenol          | 16.42 | 266 | 260849  | 34.685 | ng/ul 99  |
| 80) Pyrene                     | 19.19 | 202 | 2345260 | 40.163 | ng/ul 97  |

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

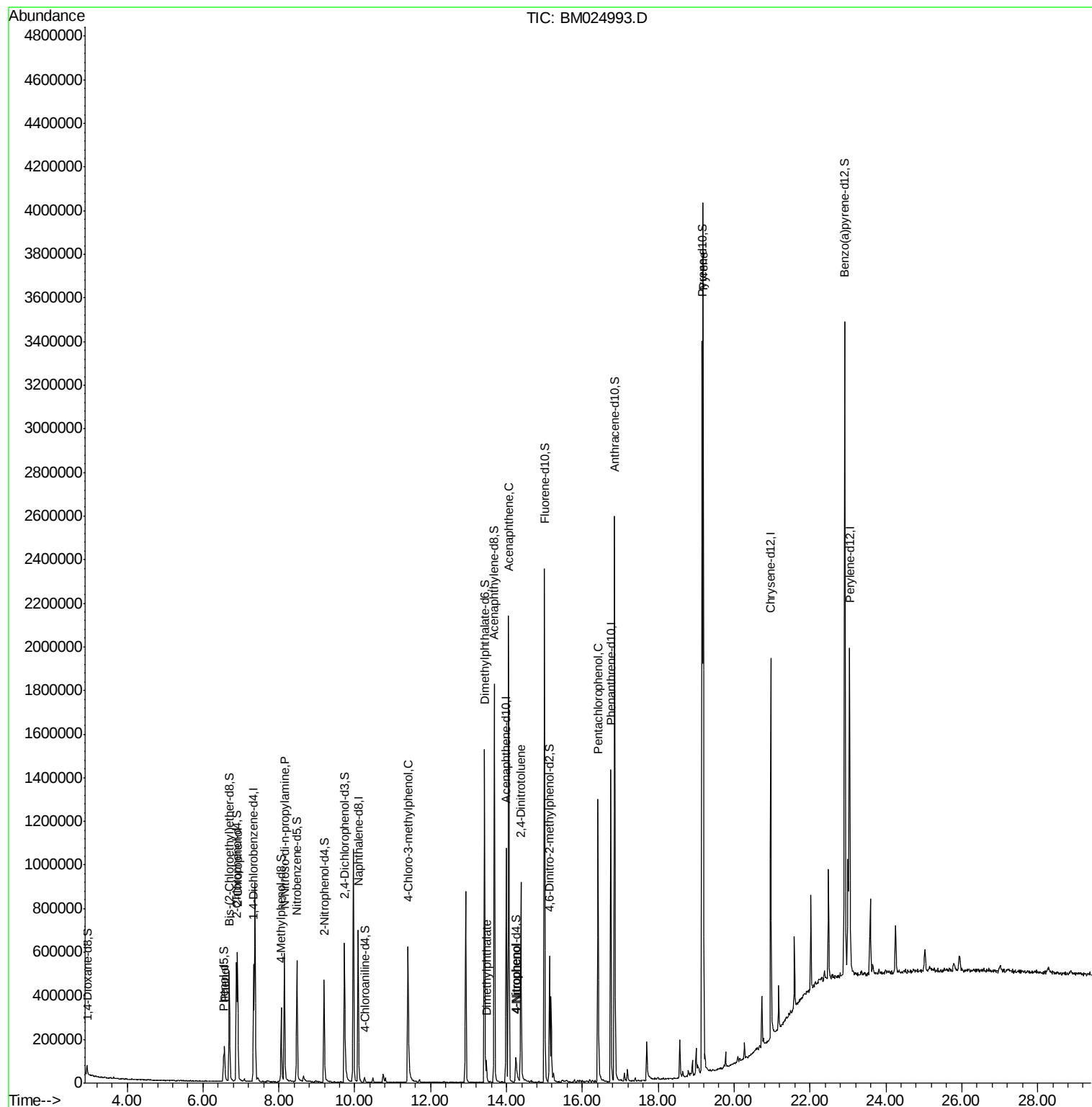
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
Data File : BM024993.D  
Acq On : 21 Feb 2020 18:58  
Operator : CG/JU  
Sample : L1582-02MS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

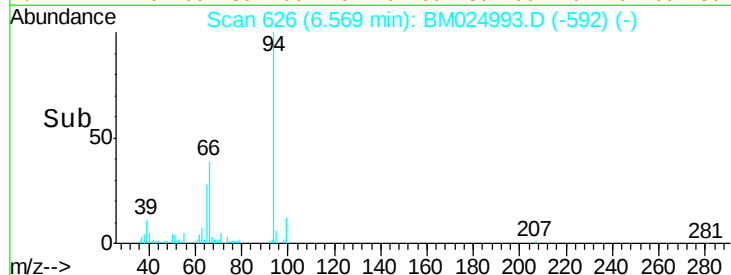
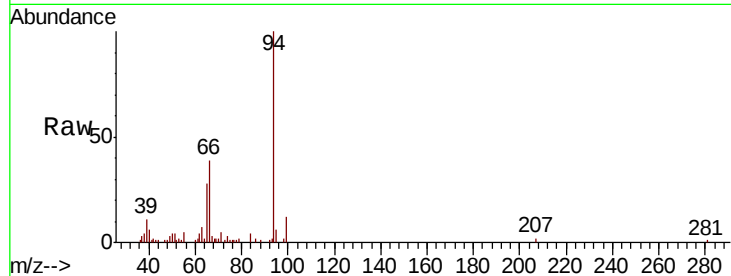
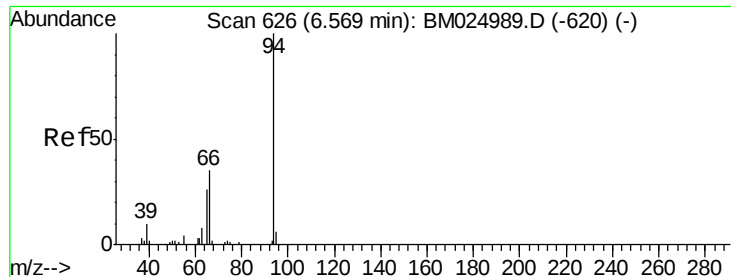
Instrument :  
BNA\_M  
ClientSampleId :  
DBDJ5MS

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Quant Time: Feb 22 01:29:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Feb 22 01:15:56 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 9.816 ng/ul

RT: 6.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BM024993.D

Acq: 21 Feb 2020 18:58

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 27.5  | 22.6  | 34.0  |
| 66      | 39.0  | 33.0  | 49.4  |

Instrument :

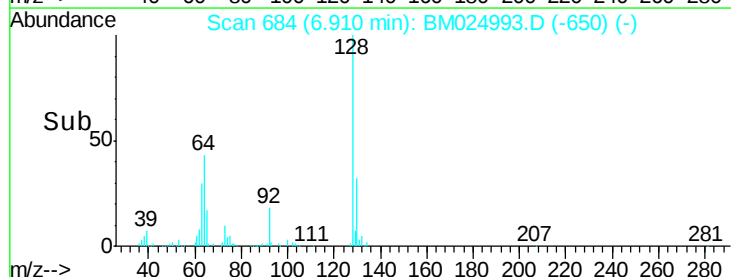
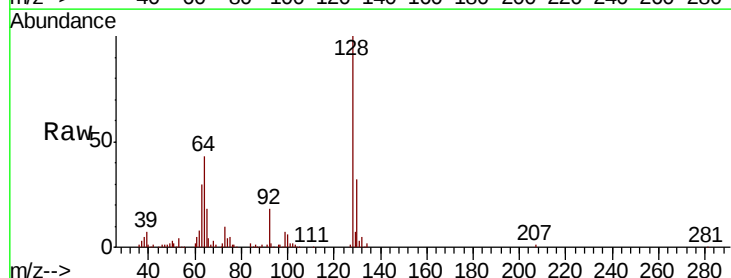
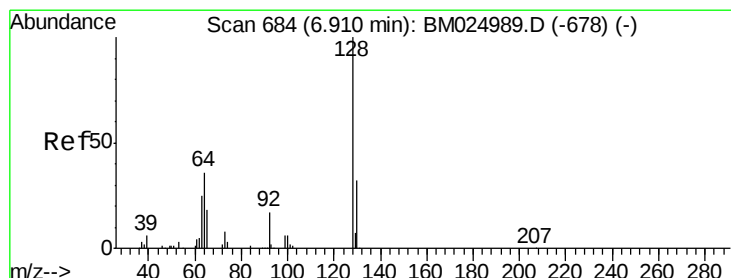
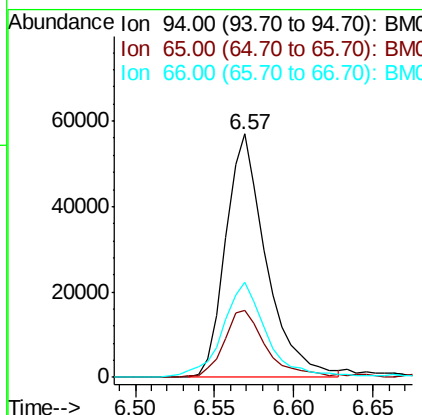
BNA\_M

ClientSampleId :

DBDJ5MS

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#10

2-Chlorophenol

Concen: 29.653 ng/ul

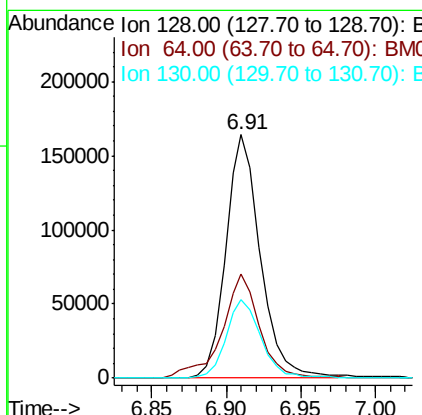
RT: 6.91 min Scan# 684

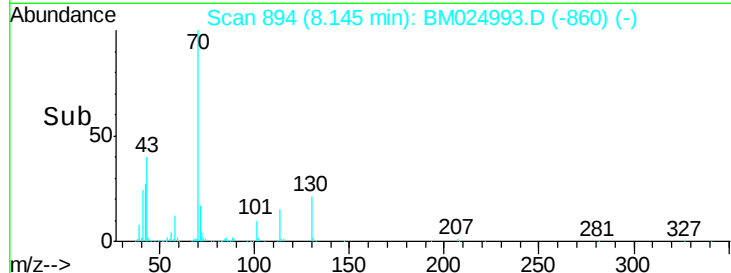
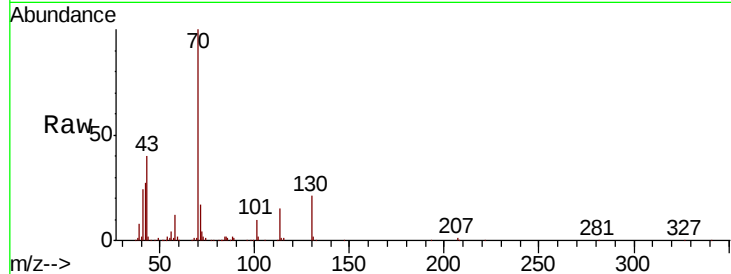
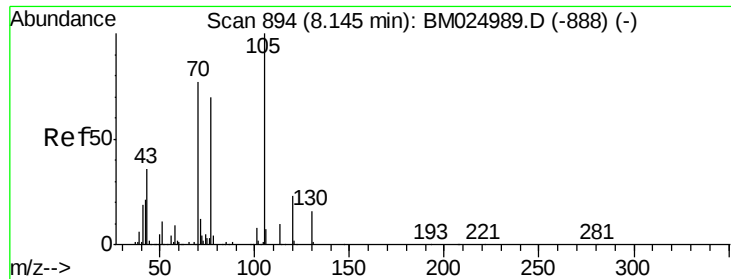
Delta R.T. 0.00 min

Lab File: BM024993.D

Acq: 21 Feb 2020 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 42.9  | 31.1  | 46.7  |
| 130     | 32.1  | 26.1  | 39.1  |





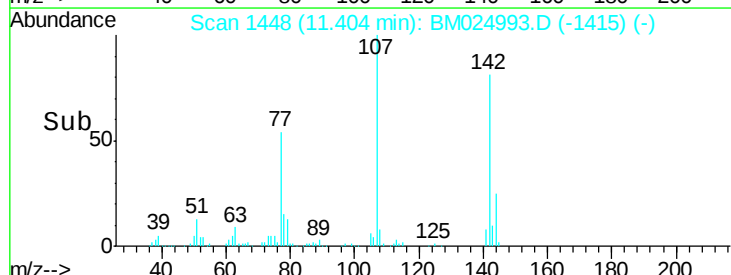
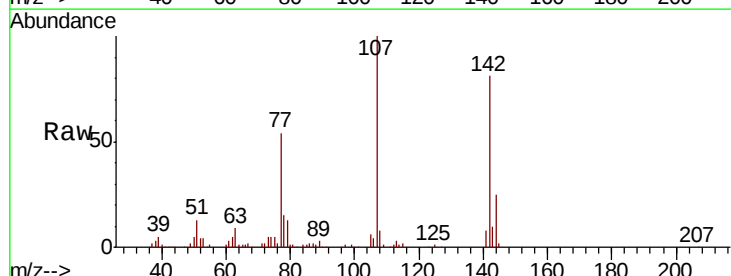
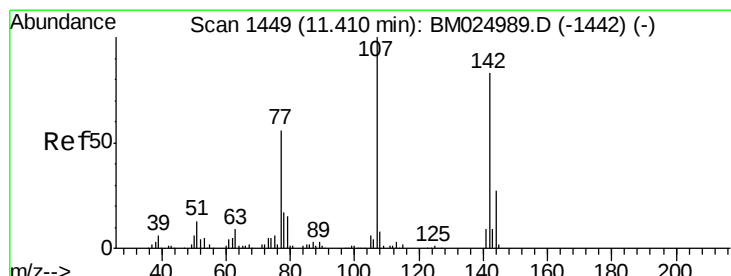
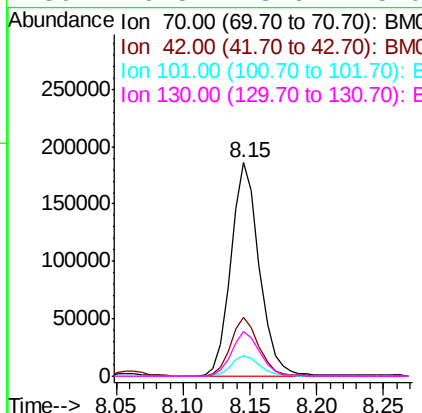
#15  
N-Nitroso-di-n-propylamine  
Concen: 45.223 ng/ul  
RT: 8.15 min Scan# 894  
Delta R.T. 0.00 min  
Lab File: BM024993.D  
Acq: 21 Feb 2020 18:58

Instrument :  
BNA\_M  
ClientSampleId :  
DBDJ5MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 278519 |       |       |
| 42      | 27.3 | 35.6  | 53.4#  |       |       |
| 101     | 9.5  | 8.6   | 13.0   |       |       |
| 130     | 20.8 | 18.6  | 28.0   |       |       |

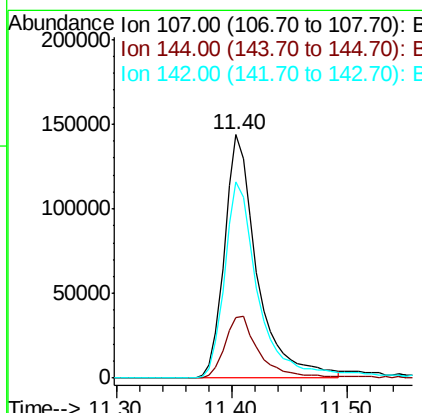
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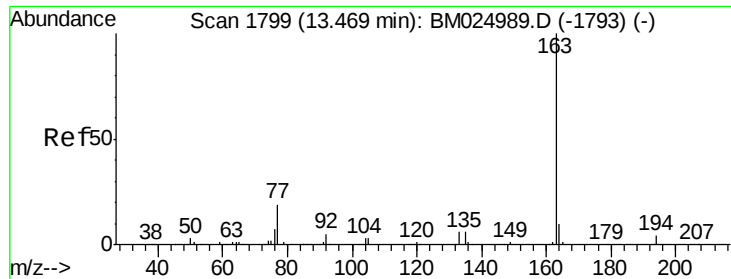
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#33  
4-Chloro-3-methylphenol  
Concen: 31.142 ng/ul  
RT: 11.40 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BM024993.D  
Acq: 21 Feb 2020 18:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 282954 |       |       |
| 144     | 24.9 | 22.8  | 34.2   |       |       |
| 142     | 80.8 | 68.2  | 102.2  |       |       |





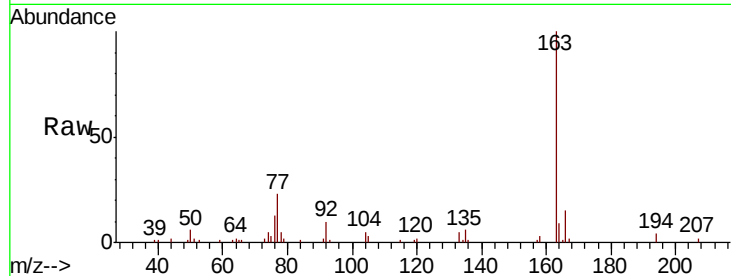
#45  
Dimethylphthalate  
Concen: 2.110 ng/ul  
RT: 13.47 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: BM024993.D  
Acq: 21 Feb 2020 18:58

Instrument :  
BNA\_M  
ClientSampleId :  
DBDJ5MS

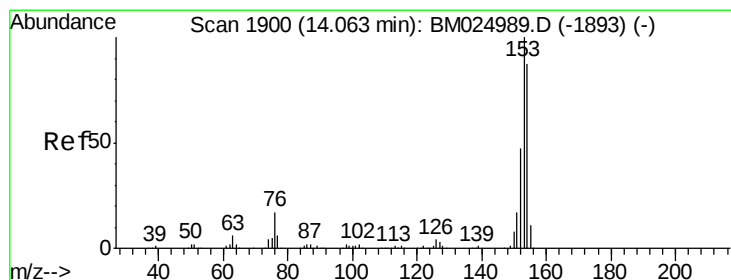
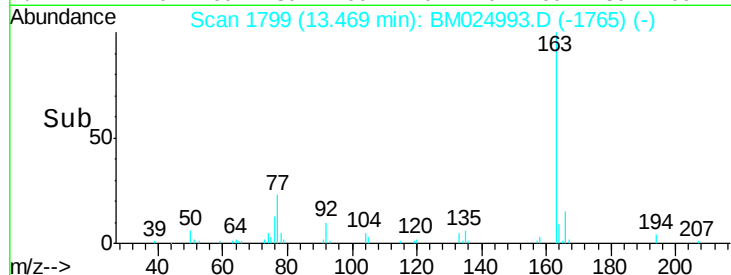
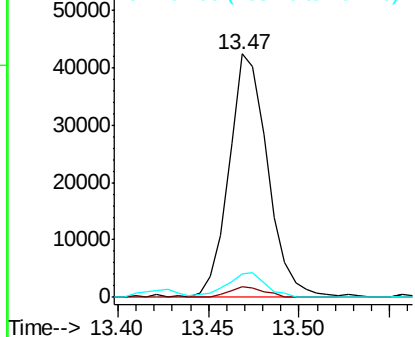
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.5   | 5.3   |
| 164     | 9.4   | 8.2   | 12.2  |

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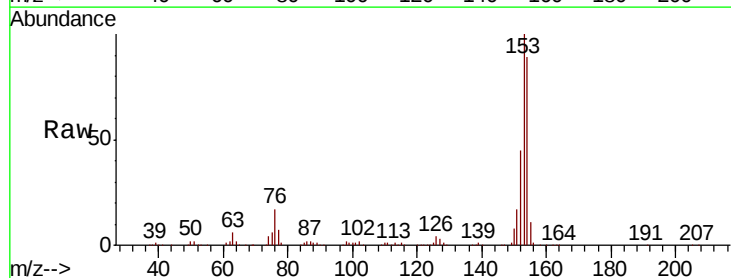


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

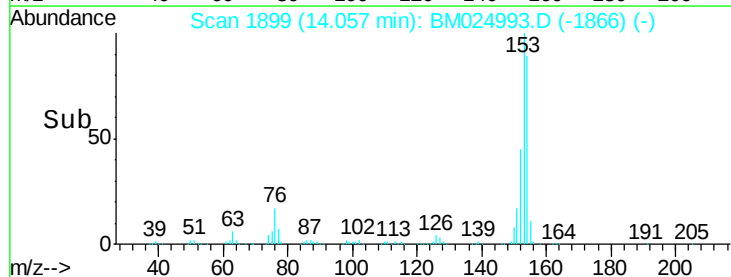
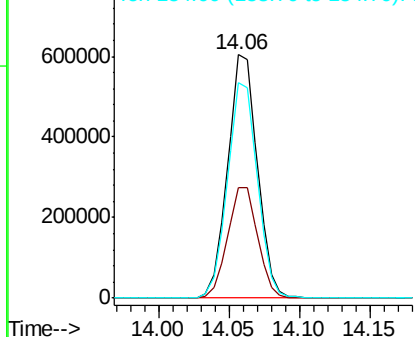


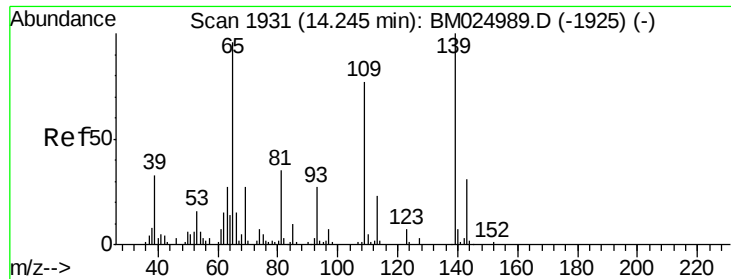
#50  
Acenaphthene  
Concen: 37.870 ng/ul  
RT: 14.06 min Scan# 1899  
Delta R.T. -0.01 min  
Lab File: BM024993.D  
Acq: 21 Feb 2020 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 45.5  | 37.3  | 55.9  |
| 154     | 88.5  | 74.1  | 111.1 |



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





#53

4-Nitrophenol

Concen: 3.477 ng/ul

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BM024993.D

Acq: 21 Feb 2020 18:58

Instrument :

BNA\_M

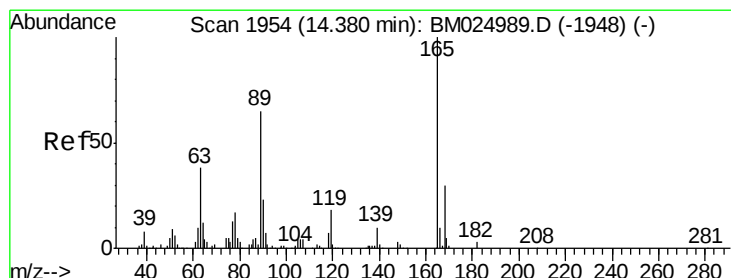
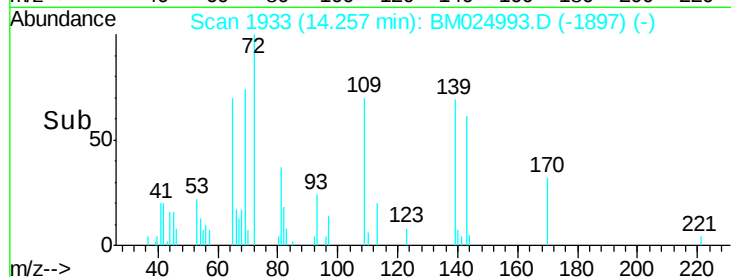
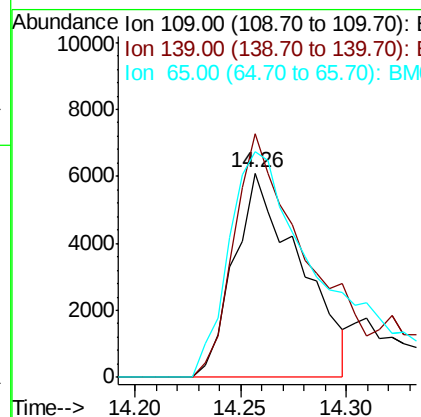
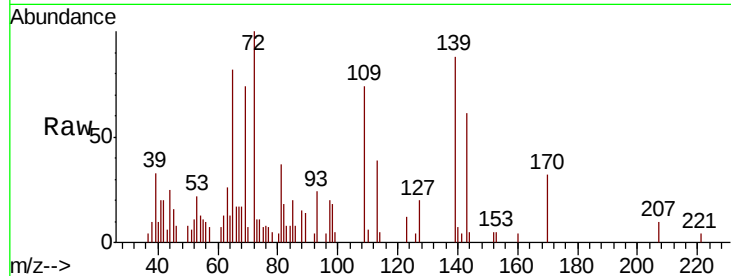
ClientSampled :

DBDJ5MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 109   | Resp: | 13217 |
| Ion Ratio | Lower | Upper |       |
| 109       | 100   |       |       |
| 139       | 119.0 | 103.8 | 155.8 |
| 65        | 110.1 | 87.0  | 130.4 |

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#55

2,4-Dinitrotoluene

Concen: 34.791 ng/ul

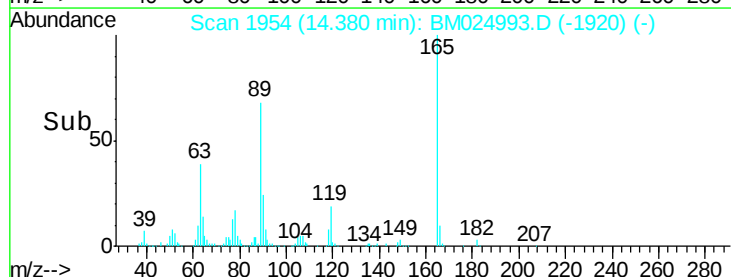
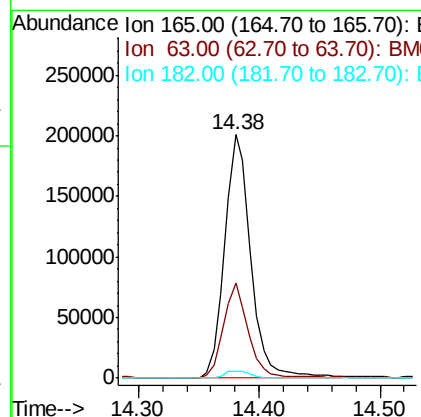
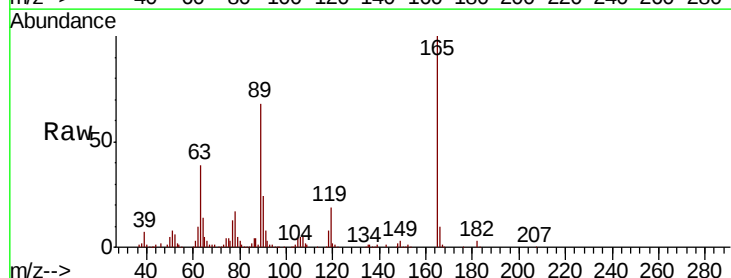
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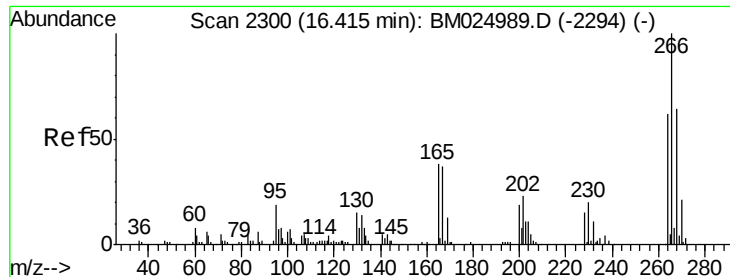
Delta R.T. 0.00 min

Lab File: BM024993.D

Acq: 21 Feb 2020 18:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 300044 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 39.1  | 29.0  | 43.4   |
| 182       | 2.6   | 2.7   | 4.1#   |





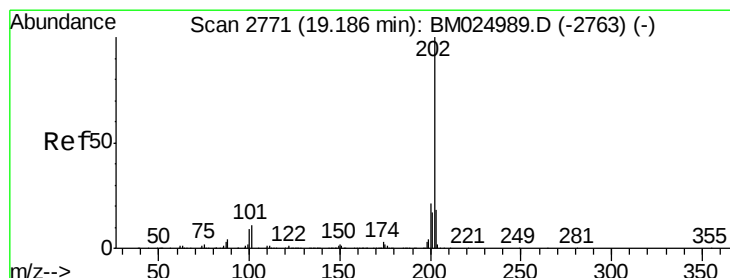
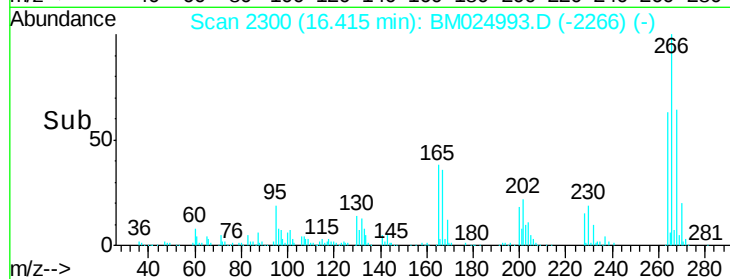
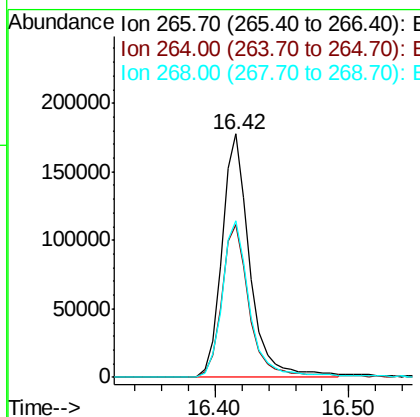
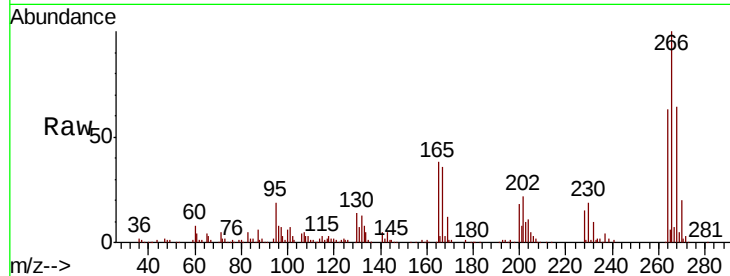
#69  
 Pentachlorophenol  
 Concen: 34.685 ng/ul  
 RT: 16.42 min Scan# 2300  
 Delta R.T. 0.00 min  
 Lab File: BM024993.D  
 Acq: 21 Feb 2020 18:58

Instrument :  
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 DBDJ5MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 260849 |       |       |
| 264     | 62.8  |        | 50.0  | 75.0  |
| 268     | 64.4  |        | 50.4  | 75.6  |

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#80  
 Pyrene  
 Concen: 40.163 ng/ul  
 RT: 19.19 min Scan# 2771  
 Delta R.T. 0.00 min  
 Lab File: BM024993.D  
 Acq: 21 Feb 2020 18:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 2345260 |       |       |
| 101     | 10.1  |         | 7.0   | 10.4  |
| 100     | 8.3   |         | 5.8   | 8.8   |

