

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\  
 Data File : BM024699.D  
 Acq On : 03 Feb 2020 15:11  
 Operator : CG/JU  
 Sample : L1343-01MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

Manual Integrations  
 APPROVED

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 2/4/2020 6:12:23 PM

Quant Time: Feb 04 03:33:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 200126   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.18 | 136  | 752771   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.07 | 164  | 523051   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 16.83 | 188  | 1202609  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.04 | 240  | 1229555  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 23.14 | 264  | 1412046  | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.07  | 112 | 1134975 | 107.85 | ng | -0.01 |
| 7) Phenol-d6                | 6.63  | 99  | 1431958 | 98.78  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 8.56  | 82  | 918261  | 59.82  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 15.57 | 330 | 887769  | 104.34 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 12.69 | 172 | 2559643 | 66.53  | ng | -0.02 |
| 79) Terphenyl-d14           | 19.49 | 244 | 4671599 | 70.93  | ng | -0.02 |

|                                |       |     |         |           |        |
|--------------------------------|-------|-----|---------|-----------|--------|
| Target Compounds               |       |     |         |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.06  | 88  | 163847  | 39.361 ng | 94     |
| 3) Pyridine                    | 3.43  | 79  | 410158  | 33.989 ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.35  | 42  | 191135  | 35.684 ng | 82     |
| 6) Aniline                     | 6.76  | 93  | 427086  | 24.201 ng | 97     |
| 8) 2-Chlorophenol              | 7.00  | 128 | 576807  | 48.150 ng | 93     |
| 9) Benzaldehyde                | 6.57  | 77  | 248232  | 28.980 ng | 93     |
| 10) Phenol                     | 6.65  | 94  | 658845  | 45.594 ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.86  | 93  | 476573  | 41.197 ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.32  | 146 | 662434  | 45.012 ng | 94     |
| 13) 1,4-Dichlorobenzene        | 7.46  | 146 | 678246  | 45.428 ng | 98     |
| 14) 1,2-Dichlorobenzene        | 7.77  | 146 | 643820  | 44.674 ng | 98     |
| 15) Benzyl Alcohol             | 7.67  | 79  | 474908  | 39.734 ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.96  | 45  | 366115  | 34.571 ng | 98     |
| 17) 2-Methylphenol             | 7.87  | 107 | 451713  | 44.359 ng | 97     |
| 18) Hexachloroethane           | 8.49  | 117 | 237347  | 41.169 ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.23  | 70  | 374350  | 34.394 ng | 94     |
| 20) 3+4-Methylphenols          | 8.20  | 107 | 611202  | 43.360 ng | 97     |
| 22) Acetophenone               | 8.24  | 105 | 778201  | 40.092 ng | # 95   |
| 24) Nitrobenzene               | 8.60  | 77  | 583006  | 39.635 ng | 93     |
| 25) Isophorone                 | 9.13  | 82  | 1035928 | 39.719 ng | 97     |
| 26) 2-Nitrophenol              | 9.31  | 139 | 325449  | 47.782 ng | 89     |
| 27) 2,4-Dimethylphenol         | 9.39  | 122 | 513557  | 55.485 ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 9.62  | 93  | 650740  | 40.843 ng | 99     |
| 29) 2,4-Dichlorophenol         | 9.85  | 162 | 623164  | 49.834 ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.05 | 180 | 704457  | 46.710 ng | 99     |
| 31) Naphthalene                | 10.23 | 128 | 1726687 | 45.415 ng | 99     |
| 32) Benzoic acid               | 9.55  | 122 | 393684m | 46.497 ng |        |
| 33) 4-Chloroaniline            | 10.35 | 127 | 269673  | 16.182 ng | 95     |
| 34) Hexachlorobutadiene        | 10.53 | 225 | 461548  | 44.271 ng | 100    |
| 35) Caprolactam                | 11.12 | 113 | 180711m | 45.044 ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.49 | 107 | 584794  | 43.980 ng | 93     |
| 37) 2-Methylnaphthalene        | 11.86 | 142 | 1329849 | 45.324 ng | 98     |
| 38) 1-Methylnaphthalene        | 12.08 | 142 | 1261113 | 45.185 ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.24 | 216 | 815404  | 43.680 ng | 99     |

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.23 | 237  | 1095836  | 104.729 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.49 | 196  | 558723   | 47.033  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.56 | 196  | 602744   | 49.682  | nq    | 96       |
| 46) 1,1'-Biphenyl              | 12.90 | 154  | 1748319  | 44.168  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 12.93 | 162  | 1411475  | 44.170  | nq    | 97       |
| 48) 2-Nitroaniline             | 13.14 | 65   | 341865   | 35.076  | nq    | # 83     |
| 49) Acenaphthylene             | 13.79 | 152  | 2243506  | 46.898  | nq    | 100      |
| 50) Dimethylphthalate          | 13.55 | 163  | 1894879  | 44.801  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.66 | 165  | 407237   | 45.287  | nq    | # 85     |
| 52) Acenaphthene               | 14.14 | 154  | 1327215  | 44.710  | nq    | 99       |
| 53) 3-Nitroaniline             | 13.99 | 138  | 224044   | 24.022  | nq    | 88       |
| 54) 2,4-Dinitrophenol          | 14.20 | 184  | 503324   | 93.601  | nq    | # 87     |
| 55) Dibenzofuran               | 14.48 | 168  | 2228282  | 46.027  | nq    | 96       |
| 56) 4-Nitrophenol              | 14.32 | 139  | 717029   | 98.352  | nq    | 85       |
| 57) 2,4-Dinitrotoluene         | 14.46 | 165  | 572191   | 44.399  | nq    | # 85     |
| 58) Fluorene                   | 15.13 | 166  | 1800084  | 44.245  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.72 | 232  | 588765   | 47.855  | nq    | # 94     |
| 60) Diethylphthalate           | 14.93 | 149  | 1782160  | 41.504  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.14 | 204  | 1003845  | 42.797  | nq    | 97       |
| 62) 4-Nitroaniline             | 15.16 | 138  | 391631   | 38.042  | nq    | 89       |
| 63) Azobenzene                 | 15.43 | 77   | 1397860  | 38.165  | nq    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.22 | 198  | 365296   | 51.661  | nq    | 89       |
| 66) n-Nitrosodiphenylamine     | 15.36 | 169  | 1600487  | 46.331  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.03 | 248  | 664762   | 44.450  | nq    | 97       |
| 68) Hexachlorobenzene          | 16.14 | 284  | 784656   | 45.720  | nq    | 97       |
| 69) Atrazine                   | 16.33 | 200  | 651117   | 49.104  | nq    | 98       |
| 70) Pentachlorophenol          | 16.49 | 266  | 1027236  | 98.265  | nq    | 99       |
| 71) Phenanthrene               | 16.87 | 178  | 3108306  | 47.730  | nq    | 98       |
| 72) Anthracene                 | 16.96 | 178  | 3061358  | 48.043  | nq    | 100      |
| 73) Carbazole                  | 17.23 | 167  | 2654873  | 45.767  | nq    | 99       |
| 74) Di-n-butylphthalate        | 17.83 | 149  | 3116589  | 42.026  | nq    | 99       |
| 75) Fluoranthene               | 18.90 | 202  | 4175474  | 51.371  | nq    | 99       |
| 77) Benzdine                   | 19.10 | 184  | 1924781  | 67.218  | nq    | 99       |
| 78) Pyrene                     | 19.26 | 202  | 4154597  | 51.255  | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.20 | 149  | 1429275  | 42.022  | nq    | 90       |
| 81) Benzo(a)anthracene         | 21.03 | 228  | 3950198  | 46.289  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 20.97 | 252  | 1173282  | 38.220  | nq    | 98       |
| 83) Chrysene                   | 21.07 | 228  | 3780586  | 46.427  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149  | 2104939  | 41.943  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 21.85 | 149  | 3606128  | 43.493  | nq    | # 96     |
| 86) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 4728057  | 53.272  | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 22.53 | 252  | 4231219  | 46.201  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.57 | 252  | 4006988  | 44.825  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.06 | 252  | 3807545  | 45.728  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.23 | 278  | 3954761  | 50.042  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 25.84 | 276  | 3937682  | 54.873  | nq    | 99       |

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

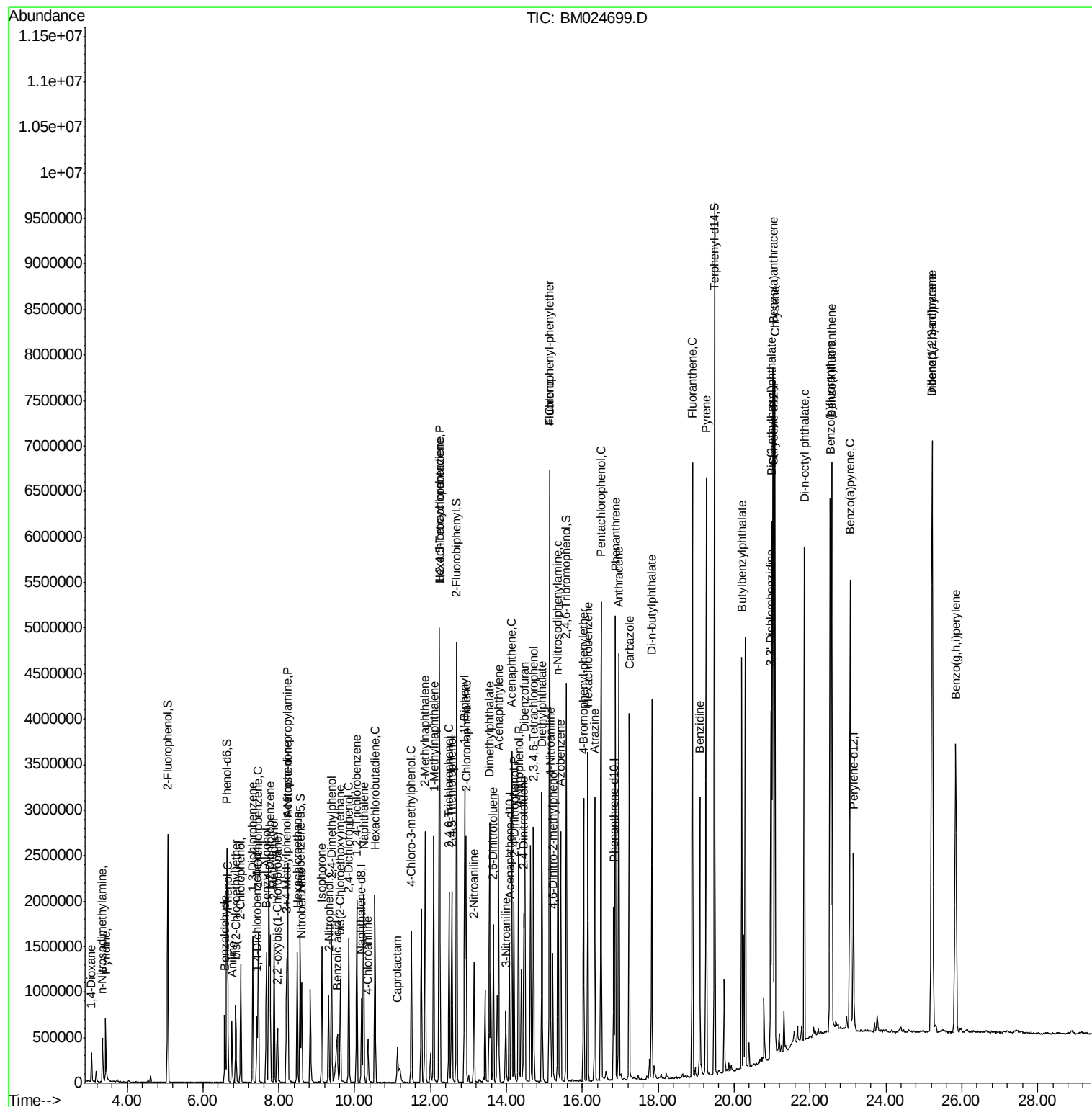
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\  
Data File : BM024699.D  
Acq On : 03 Feb 2020 15:11  
Operator : CG/JU  
Sample : L1343-01MS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

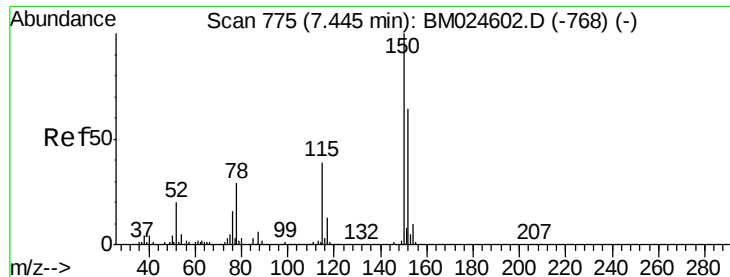
Instrument :  
BNA\_M  
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#1

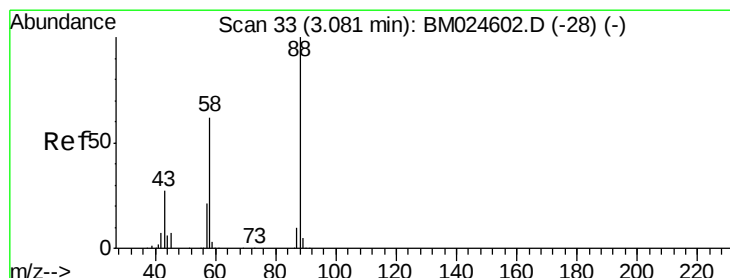
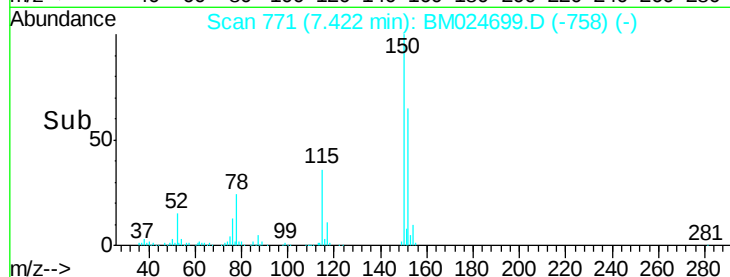
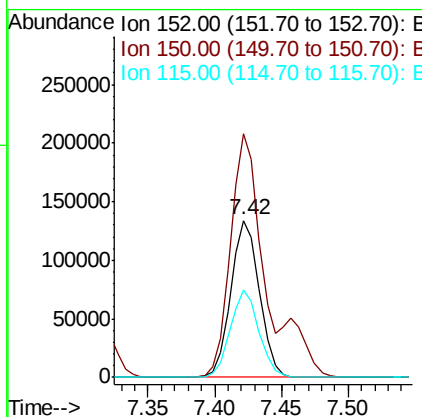
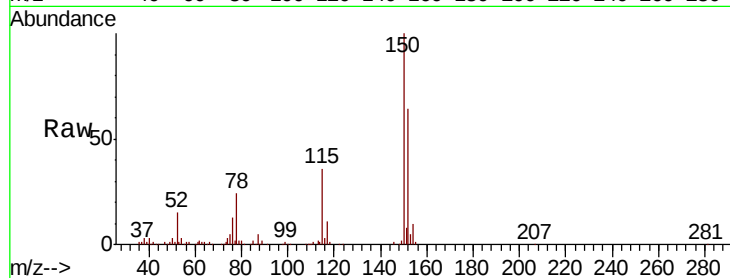
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.3 | 124.2 | 186.4 |
| 115     | 55.8  | 48.6  | 72.8  |

Manual Integrations  
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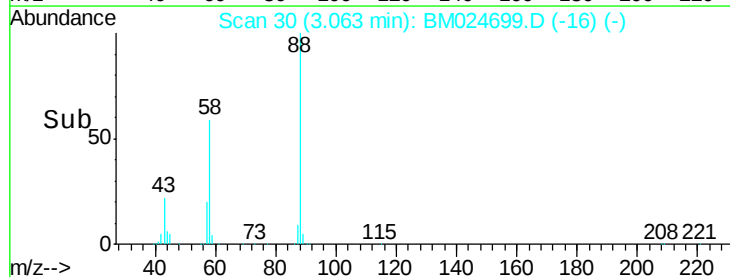
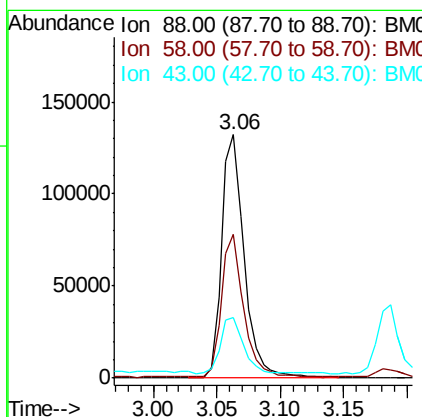
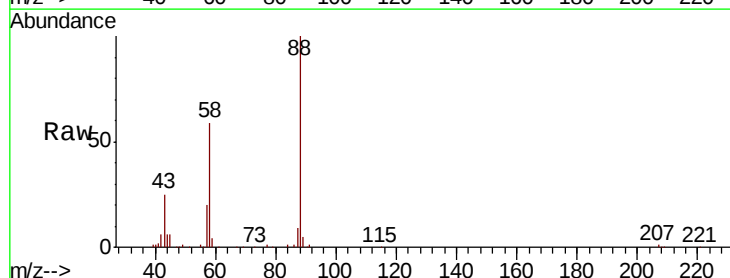
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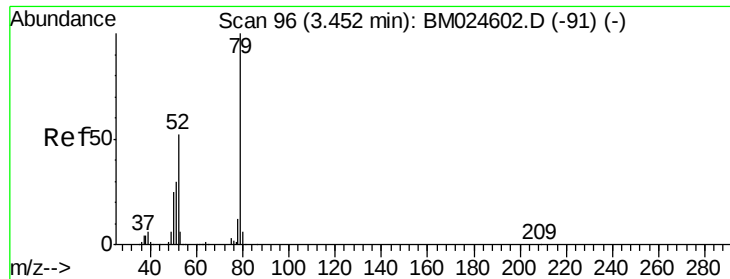


#2

1,4-Dioxane  
Concen: 39.361 ng  
RT: 3.06 min Scan# 30  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 58.4  | 50.0  | 75.0  |
| 43      | 23.5  | 21.6  | 32.4  |





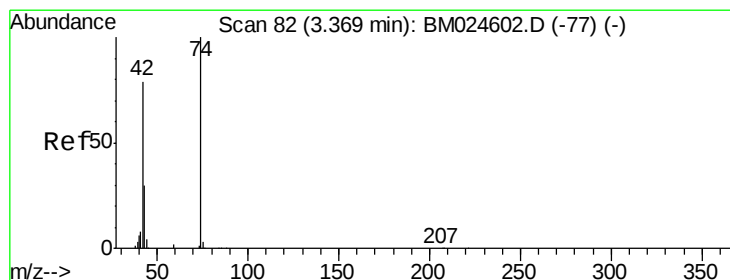
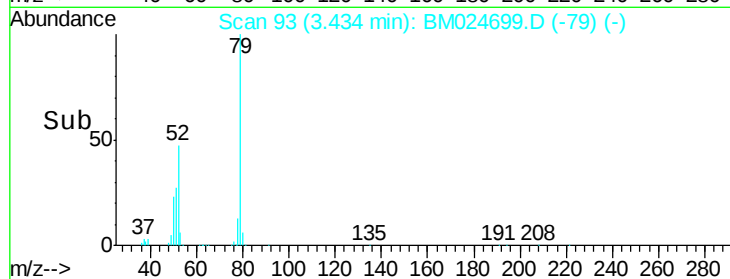
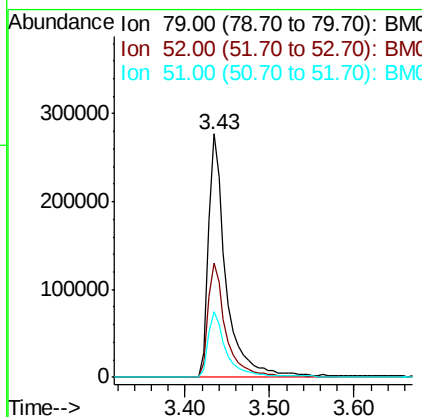
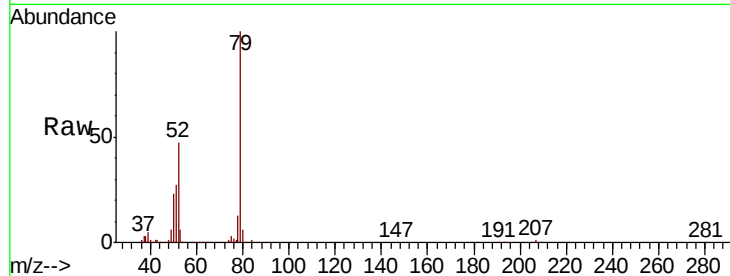
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 Pvridine  
 Concen: 33.989 ng  
 RT: 3.43 min Scan# 93  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 410158 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 47.1  | 41.4  | 62.2   |
| 51        | 27.2  | 23.8  | 35.8   |

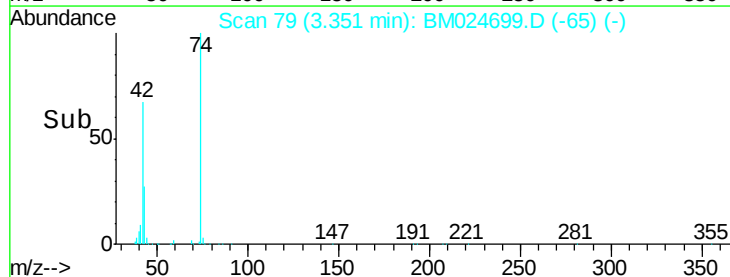
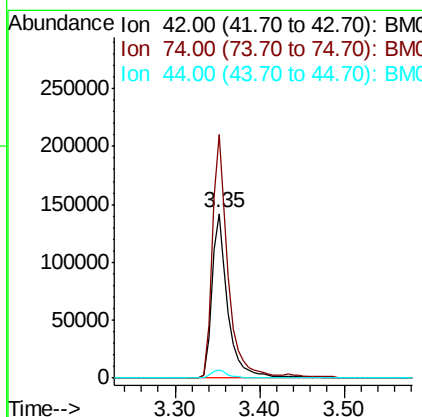
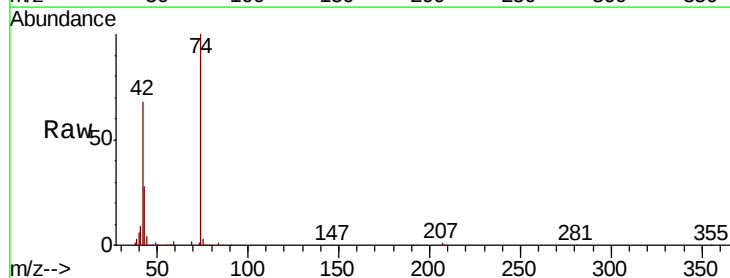
Manual Integrations  
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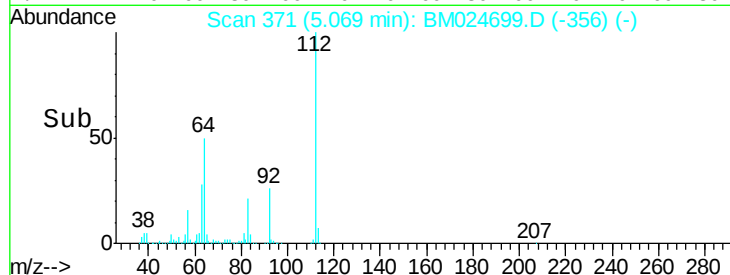
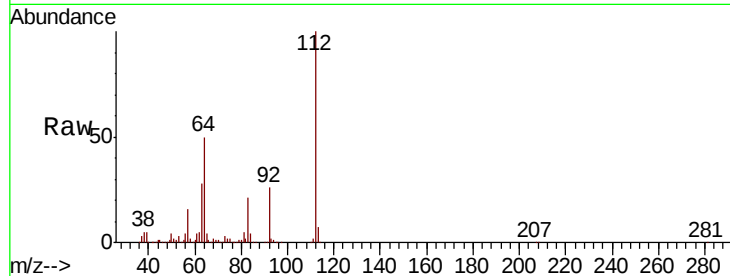
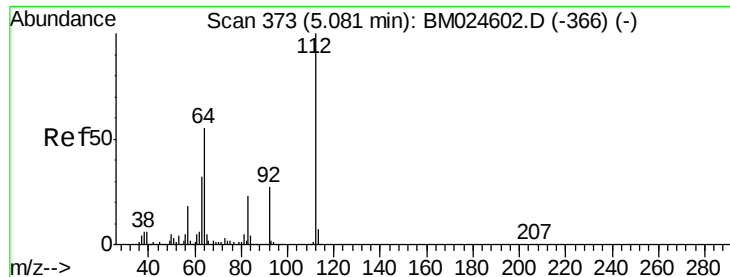
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#4  
 n-Nitrosodimethylamine  
 Concen: 35.684 ng  
 RT: 3.35 min Scan# 79  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 191135 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 147.8 | 101.4 | 152.2  |
| 44        | 5.3   | 4.6   | 6.8    |





#5

2-Fluorophenol

Concen: 107.855 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 112   | Resp: | 1134975 |
| Ion      | Ratio | Lower | Upper   |
| 112      | 100   |       |         |
| 64       | 50.1  | 44.2  | 66.4    |
| 63       | 27.8  | 25.9  | 38.9    |

Instrument :

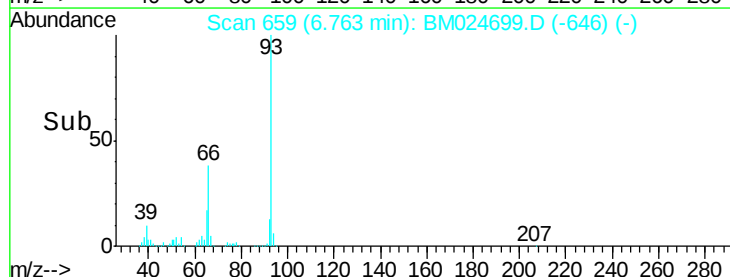
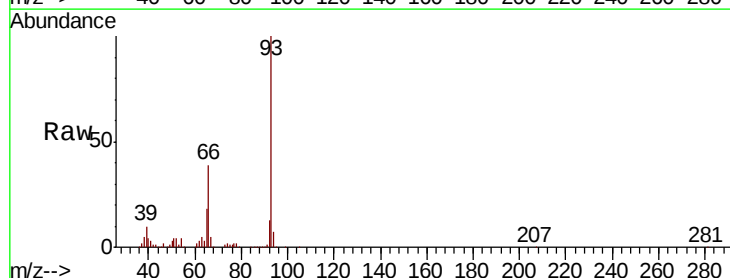
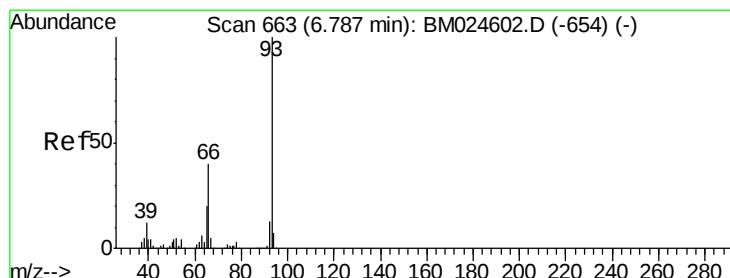
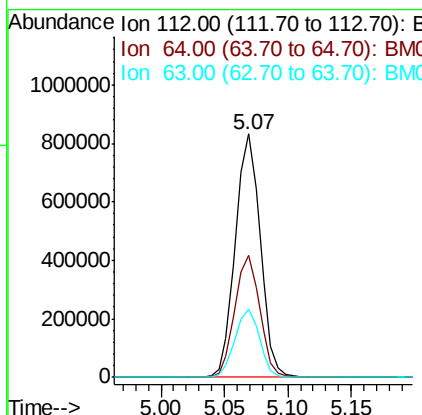
BNA\_M

ClientSampleId :

NW-SPMS

Manual Integrations  
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#6

Aniline

Concen: 24.201 ng

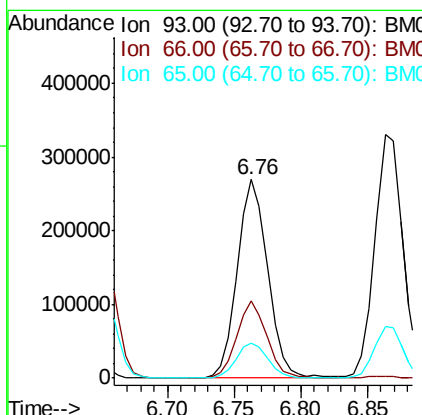
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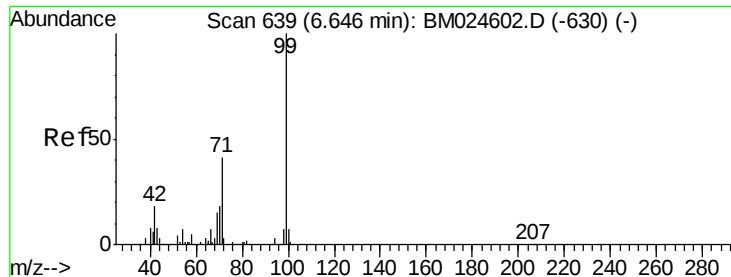
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 427086 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 38.7  | 31.8  | 47.8   |
| 65       | 17.7  | 15.8  | 23.6   |





#7

Phenol-d6

Concen: 98.780 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion: 99 Resp: 1431958

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

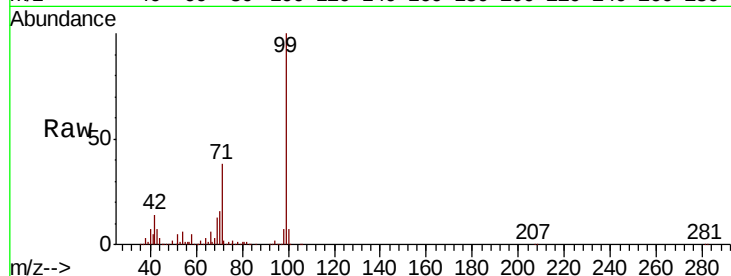
71 37.7 33.0 49.6

Manual Integrations

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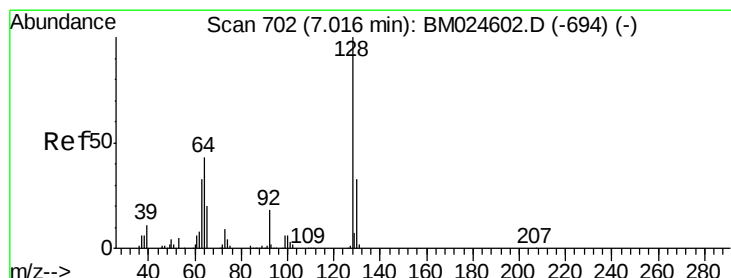
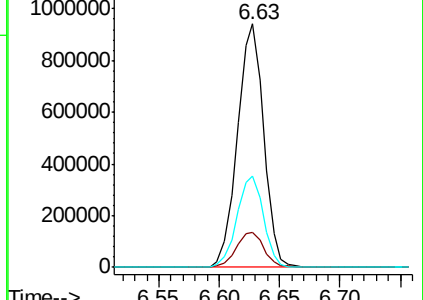
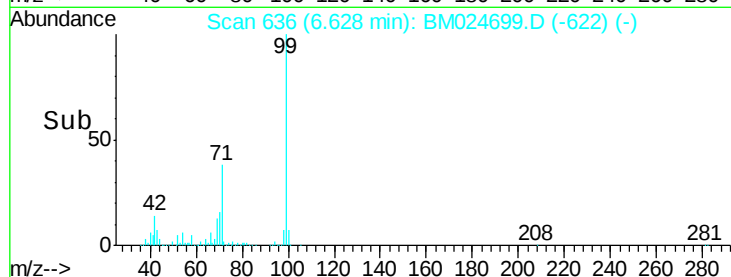


Abundance Ion 99.00 (98.70 to 99.70): BM024699.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024699.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024699.D (-622) (-)

Time-->



#8

2-Chlorophenol

Concen: 48.150 ng

RT: 7.00 min Scan# 699

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

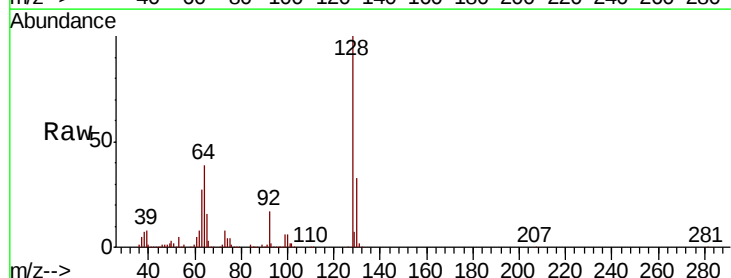
Tgt Ion: 128 Resp: 576807

Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 38.7 26.1 66.1

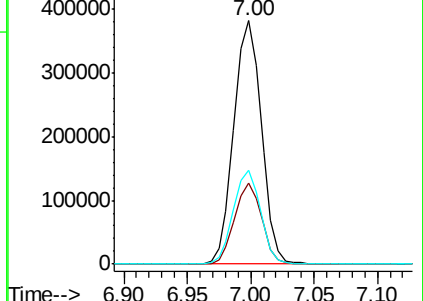
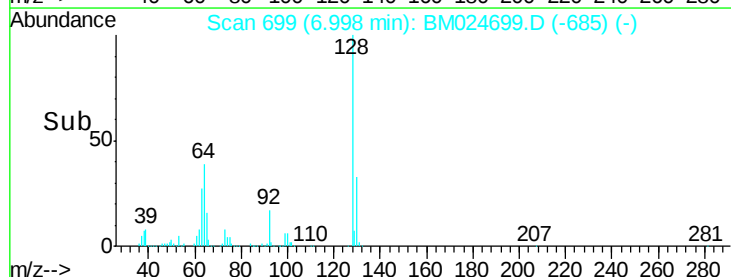


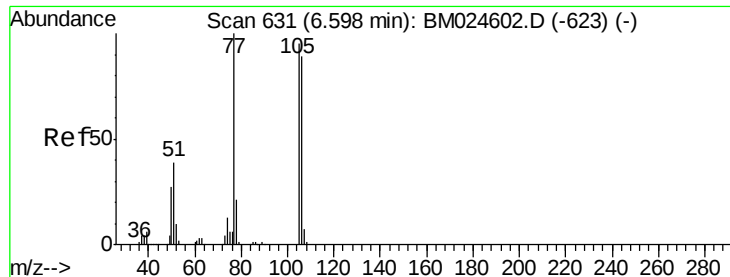
Abundance Ion 128.00 (127.70 to 128.70): BM024699.D (-685) (-)

Ion 130.00 (129.70 to 130.70): BM024699.D (-685) (-)

Ion 64.00 (63.70 to 64.70): BM024699.D (-685) (-)

Time-->





#9

Benzaldehyde

Concen: 28.980 ng

RT: 6.57 min Scan# 627

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

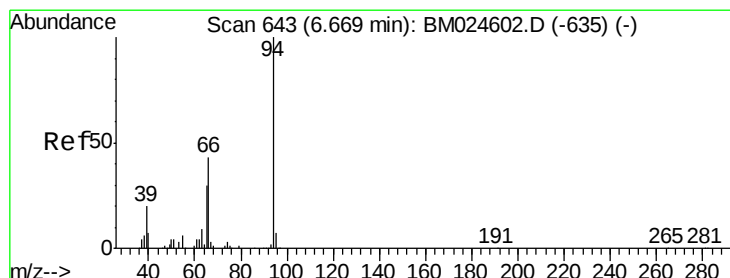
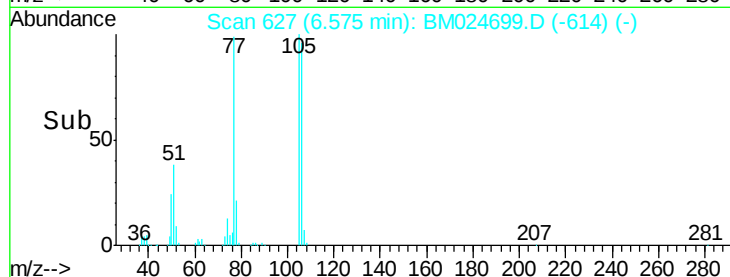
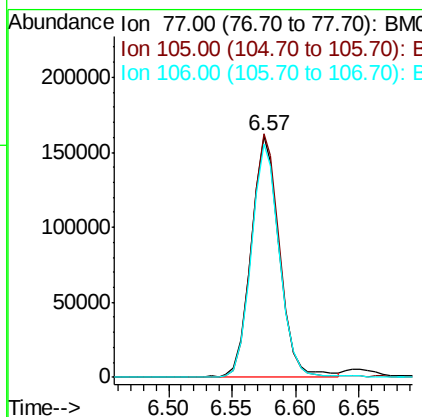
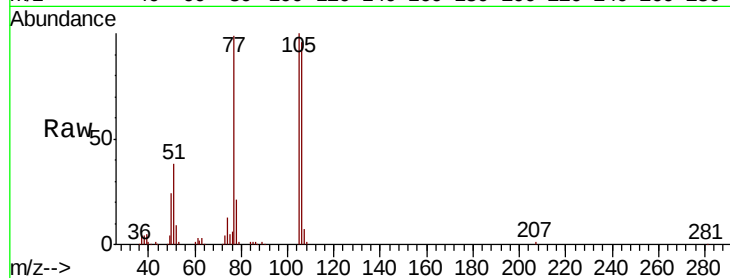
ClientSampleId :

NW-SPMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 248232 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 100.8 | 75.2  | 115.2  |
| 106      | 96.3  | 68.6  | 108.6  |

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#10

Phenol

Concen: 45.594 ng

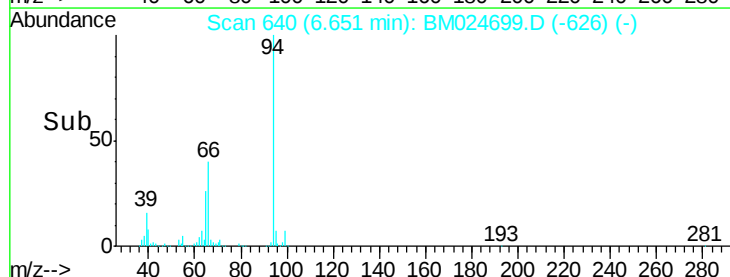
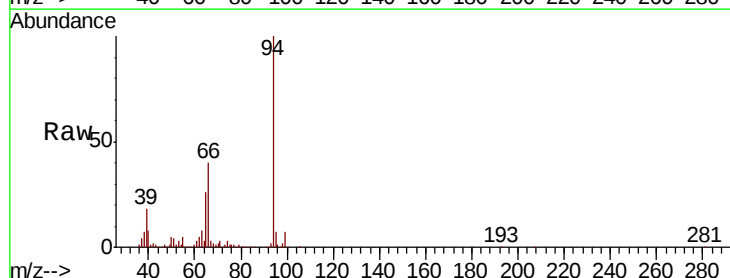
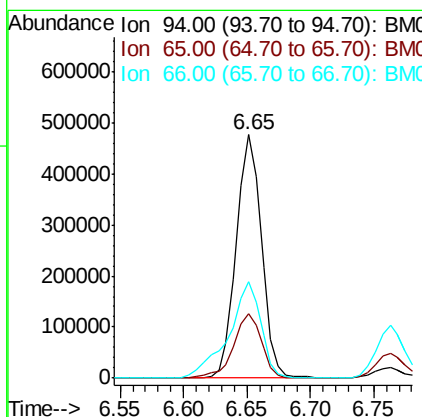
RT: 6.65 min Scan# 640

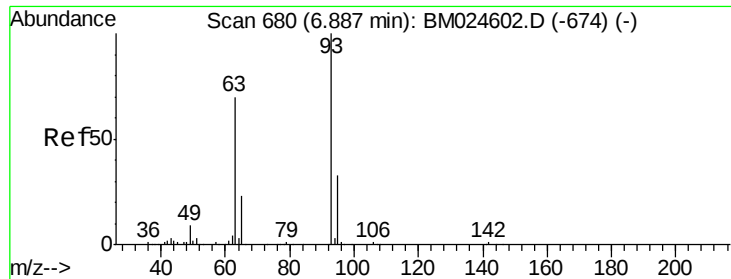
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 658845 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 26.4  | 10.3  | 50.3   |
| 66       | 39.7  | 24.8  | 64.8   |





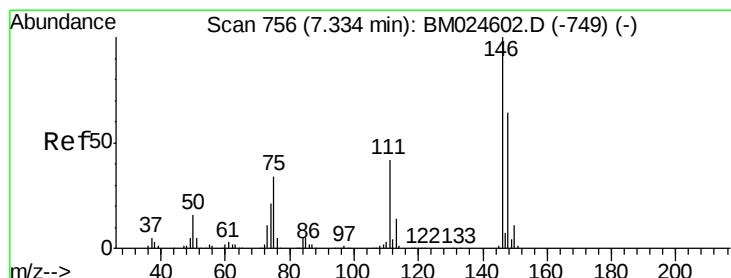
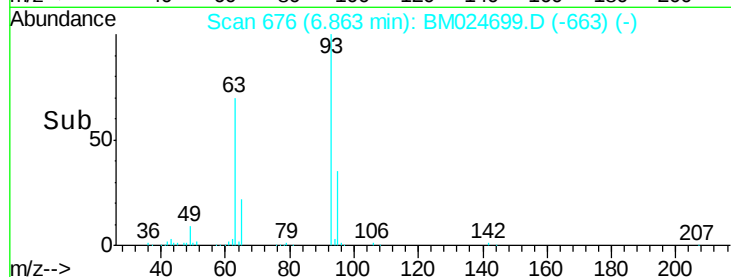
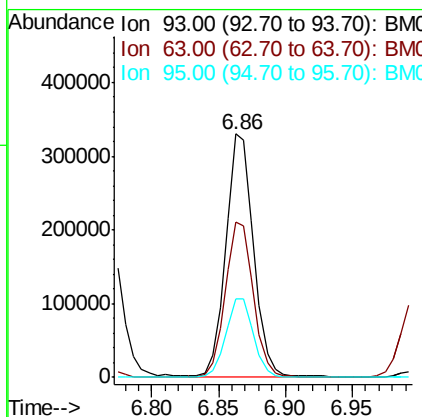
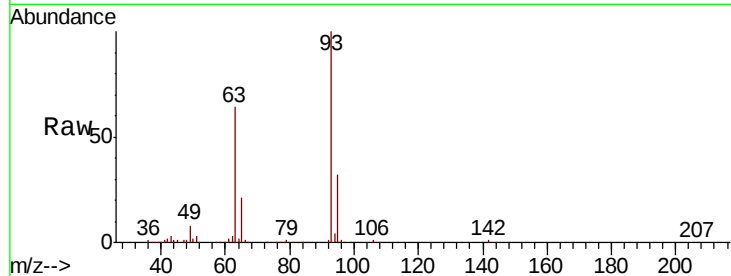
#11  
bis(2-Chloroethyl)ether  
Concen: 41.197 ng  
RT: 6.86 min Scan# 676  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 476573 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 64.0  | 49.6  | 89.6   |
| 95       | 32.2  | 12.6  | 52.6   |

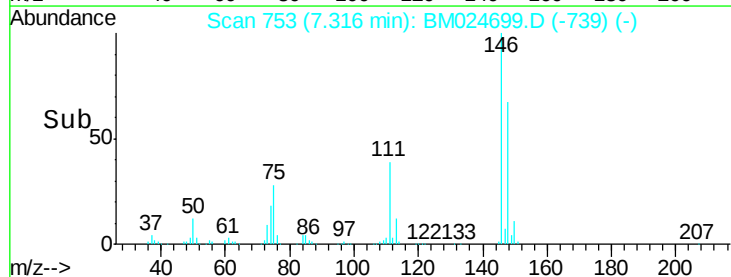
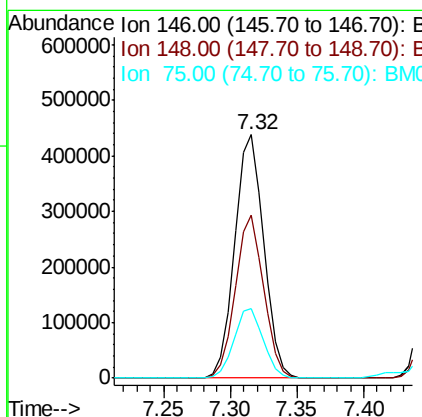
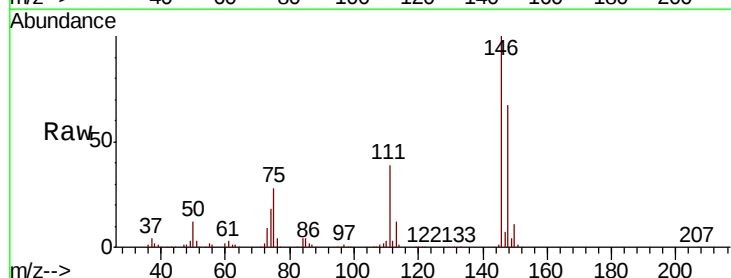
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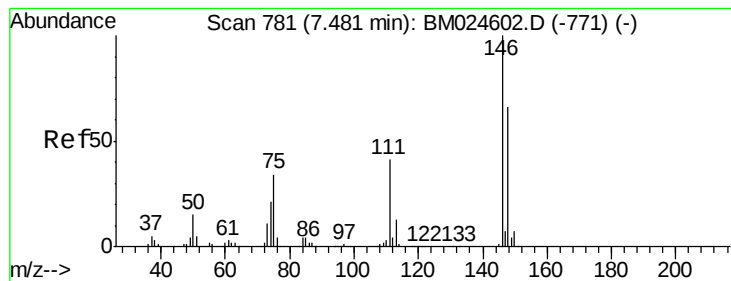
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 45.012 ng  
RT: 7.32 min Scan# 753  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 662434 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 66.9  | 51.0  | 76.6   |
| 75       | 28.4  | 27.0  | 40.4   |





#13

1,4-Dichlorobenzene

Concen: 45.428 ng

RT: 7.46 min Scan# 777

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

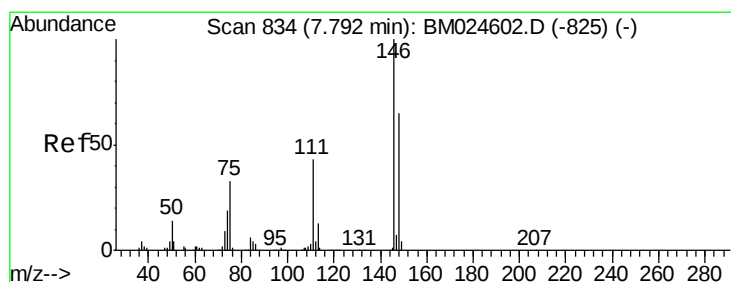
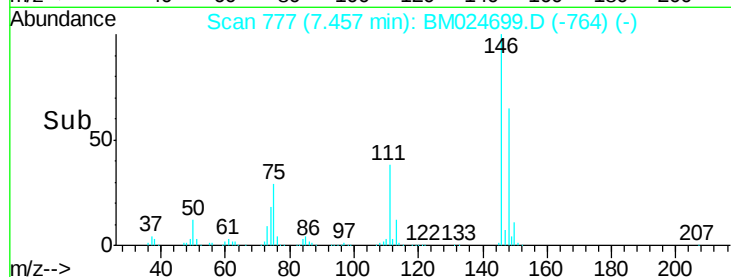
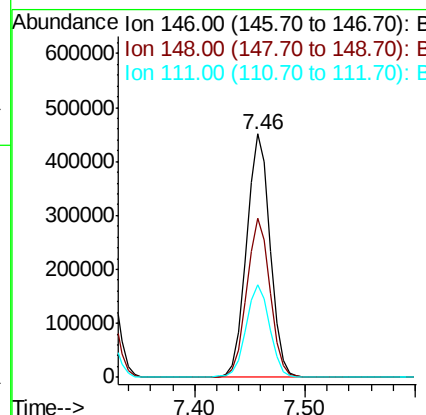
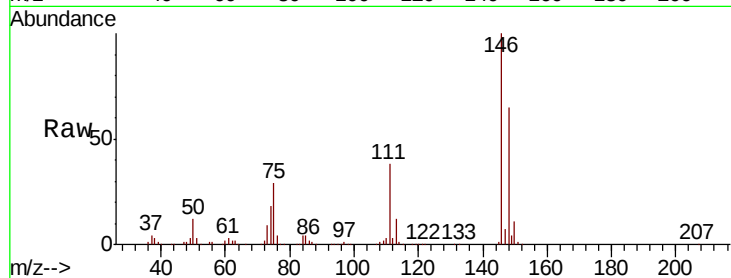
ClientSampleId :

NW-SPMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 678246 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.3  | 52.5  | 78.7   |
| 111       | 38.2  | 33.0  | 49.4   |

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#14

1,2-Dichlorobenzene

Concen: 44.674 ng

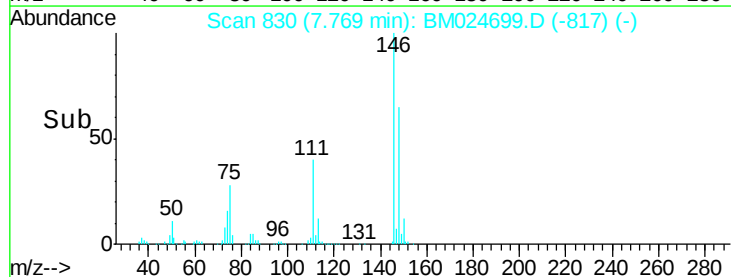
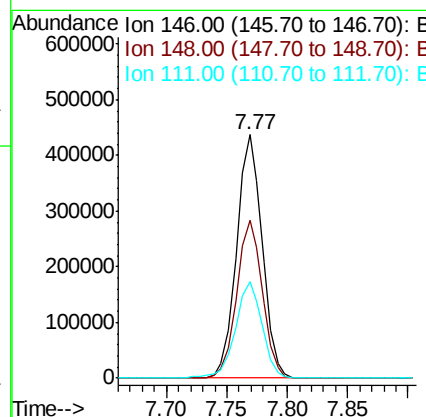
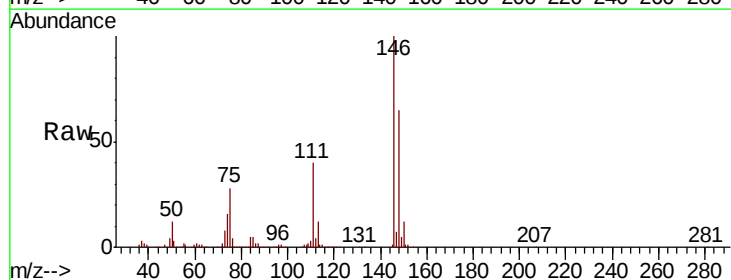
RT: 7.77 min Scan# 830

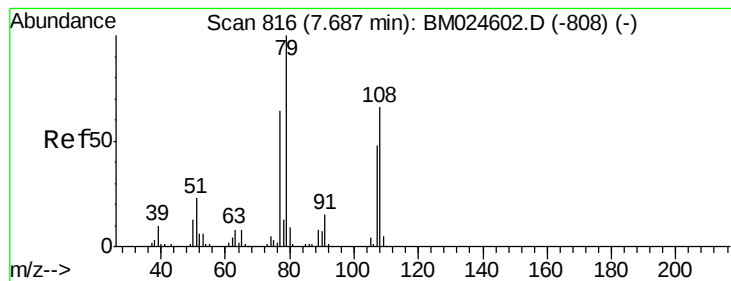
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 643820 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.7  | 51.9  | 77.9   |
| 111       | 39.6  | 34.5  | 51.7   |





#15

Benzyl Alcohol

Concen: 39.734 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

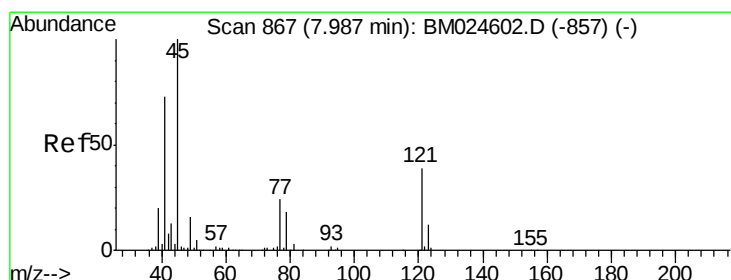
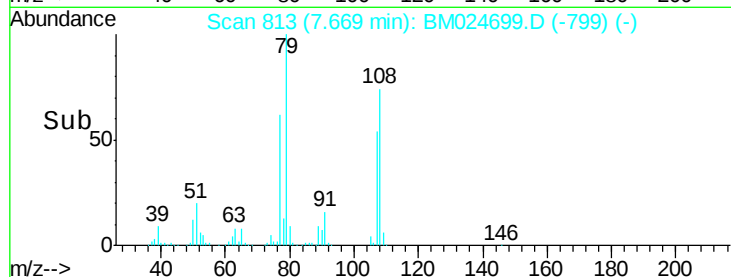
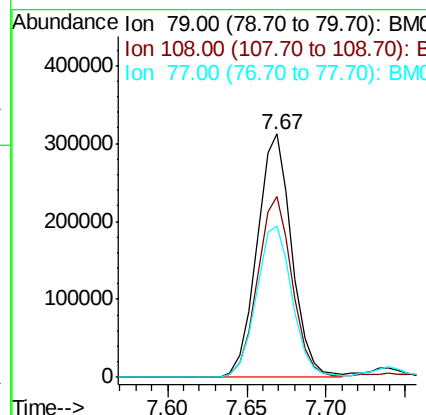
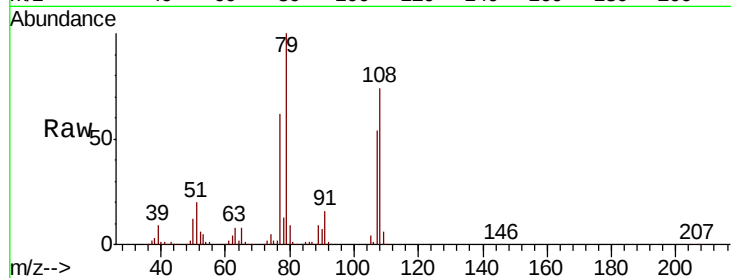
ClientSampleId :

NW-SPMS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 474908 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 74.5  | 53.0  | 79.4   |
| 77       | 62.2  | 50.8  | 76.2   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 34.571 ng

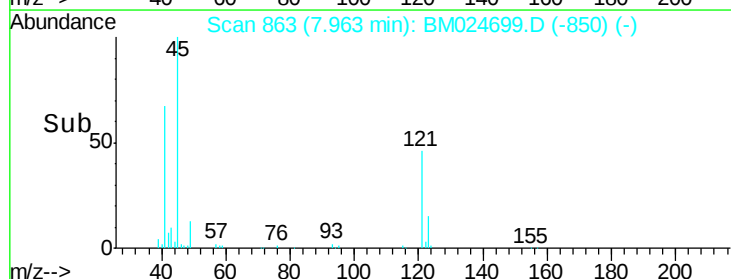
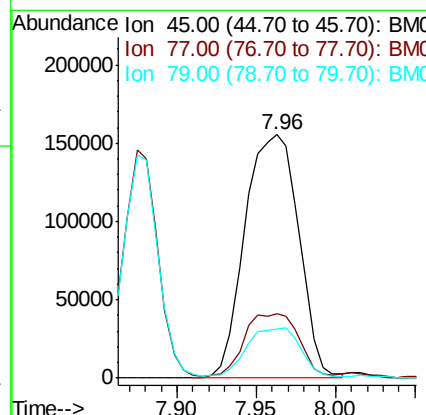
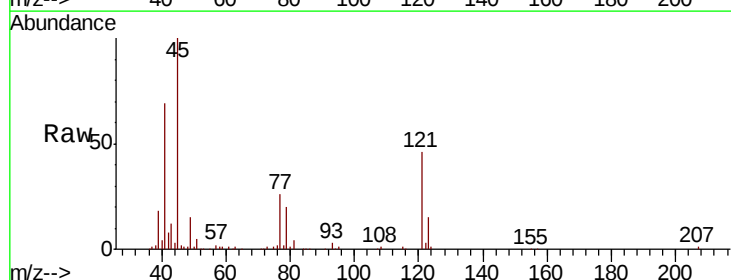
RT: 7.96 min Scan# 863

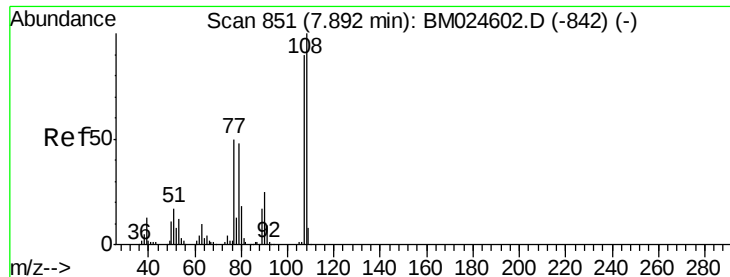
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 366115 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 26.4  | 5.2   | 45.2   |
| 79       | 20.1  | 0.0   | 39.4   |





#17

2-Methylphenol

Concen: 44.359 ng

RT: 7.87 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

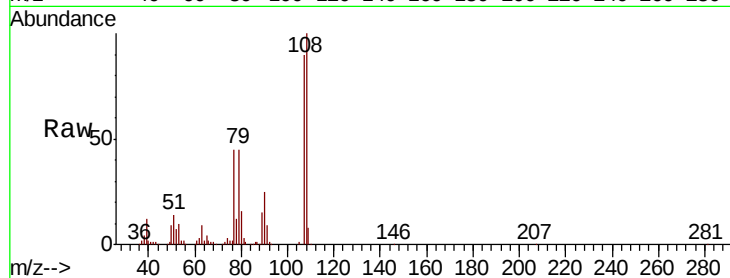
ClientSampled :

NW-SPMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 451713 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 111.6 | 88.9  | 133.3  |
| 77        | 50.7  | 44.5  | 66.7   |
| 79        | 49.7  | 42.9  | 64.3   |

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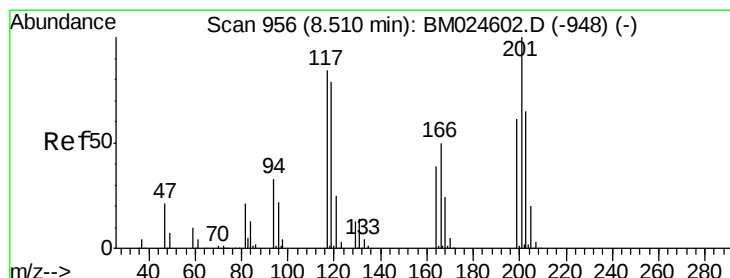
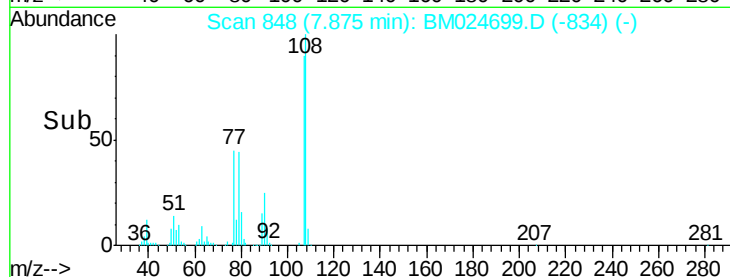
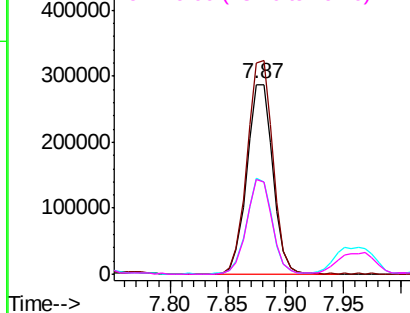


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 41.169 ng

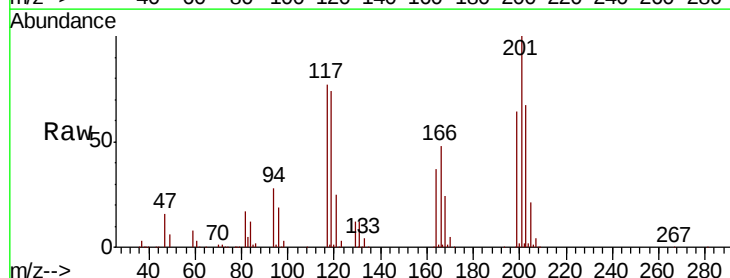
RT: 8.49 min Scan# 952

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

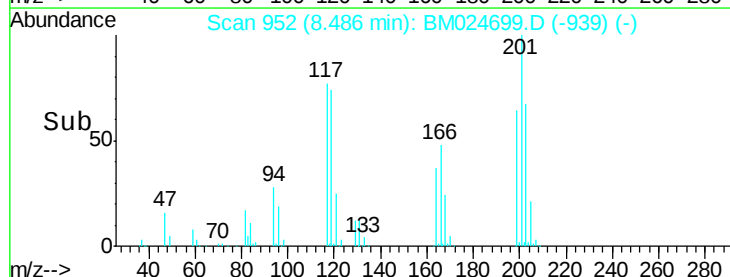
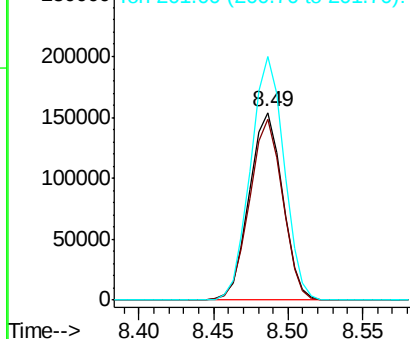
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 237347 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 96.4  | 75.4  | 113.2  |
| 201       | 129.9 | 95.8  | 143.6  |

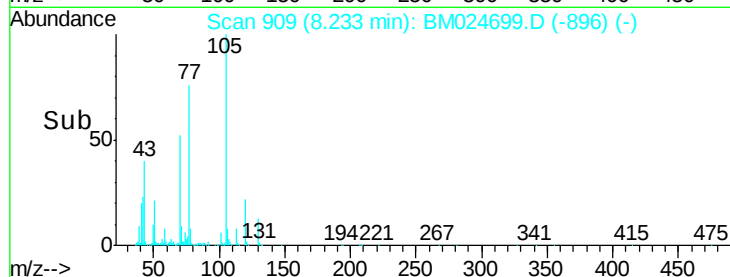
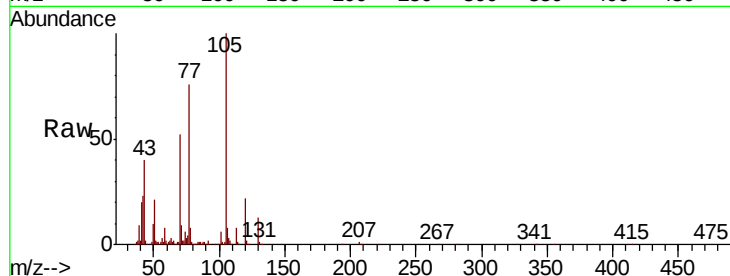
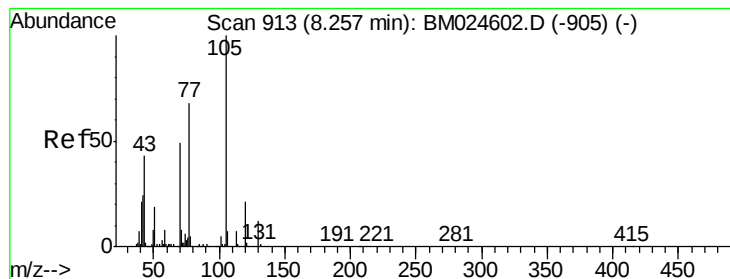


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 34.394 ng

RT: 8.23 min Scan# 909

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion: 70 Resp: 374350

Ion Ratio Lower Upper

70 100

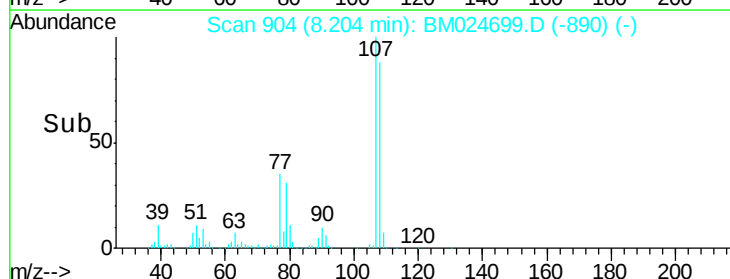
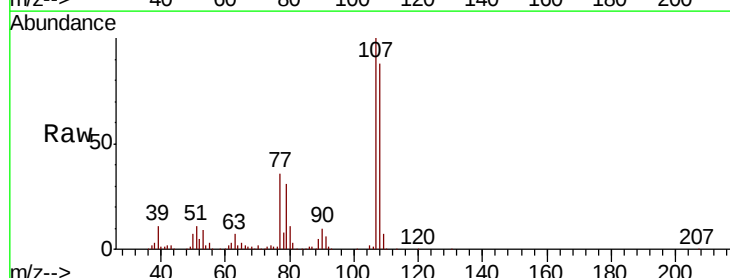
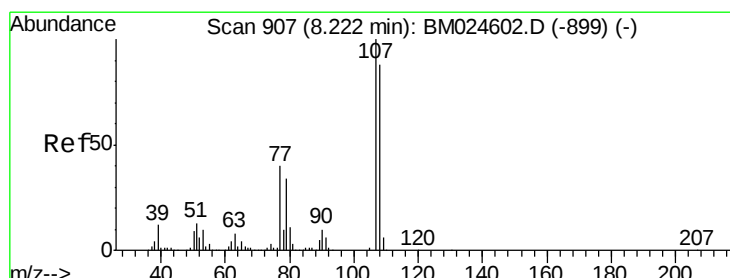
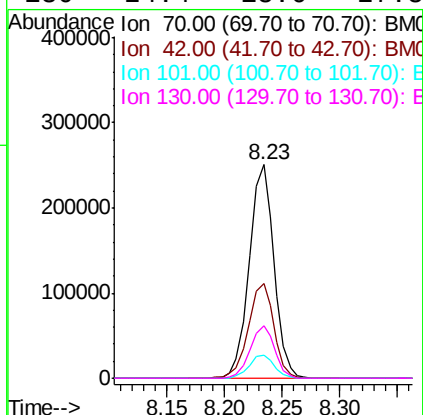
42 44.7 40.0 60.0

101 10.8 8.2 12.2

130 24.4 18.6 27.8

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#20

3+4-Methylphenols

Concen: 43.360 ng

RT: 8.20 min Scan# 904

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Tgt Ion: 107 Resp: 611202

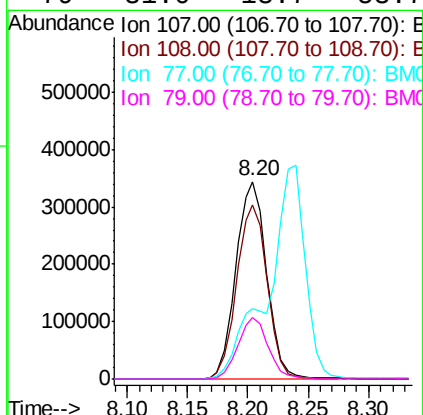
Ion Ratio Lower Upper

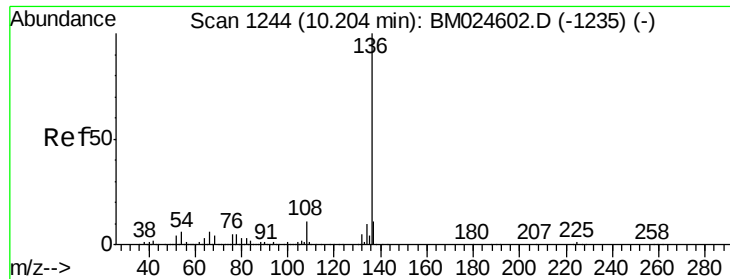
107 100

108 88.1 68.0 108.0

77 35.6 19.9 59.9

79 31.0 13.7 53.7





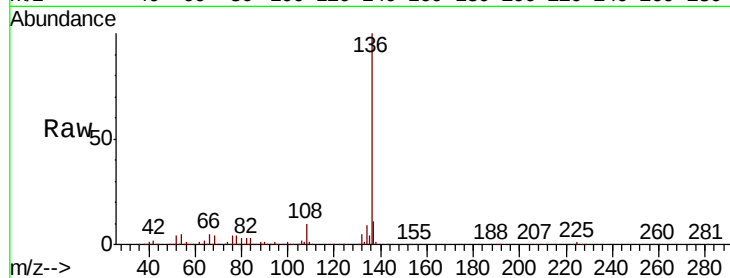
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.18 min Scan# 1240  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

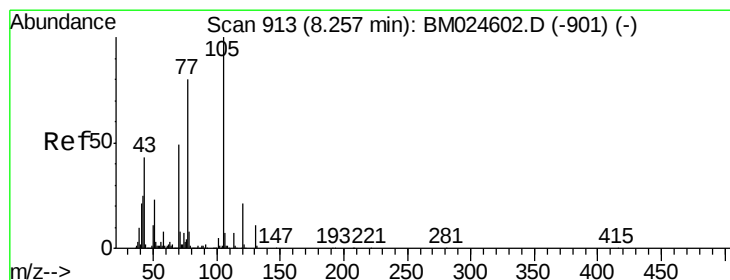
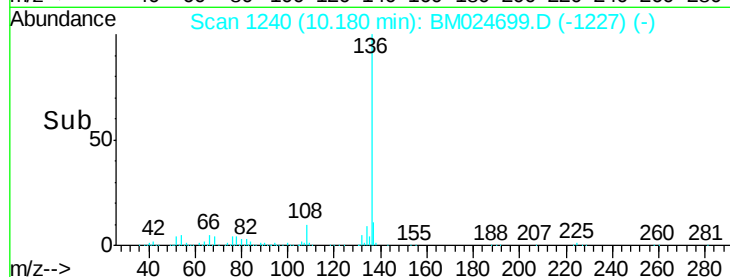
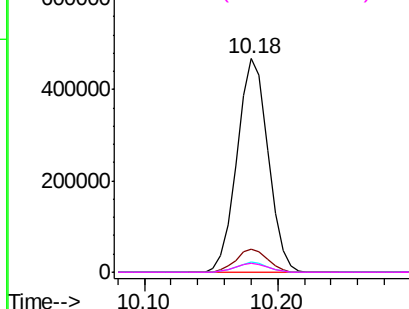
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 752771 |       |       |
| 137     | 11.0 | 8.6   | 13.0   |       |       |
| 54      | 4.7  | 4.5   | 6.7    |       |       |
| 68      | 4.1  | 3.4   | 5.0    |       |       |

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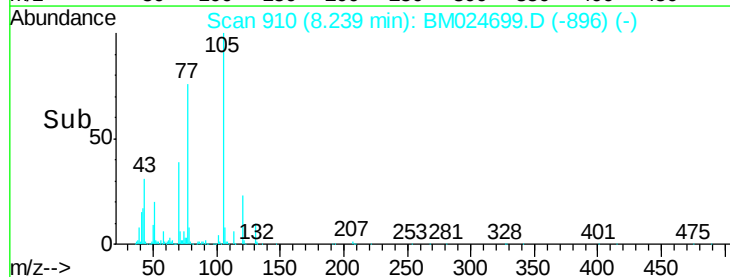
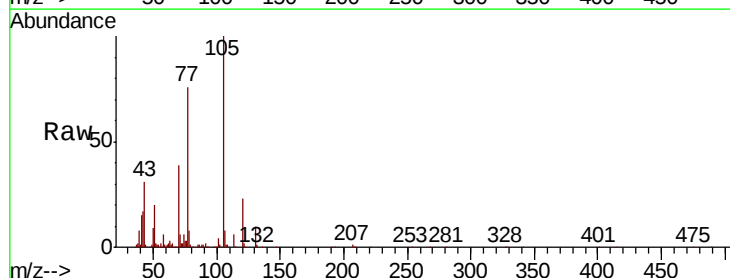
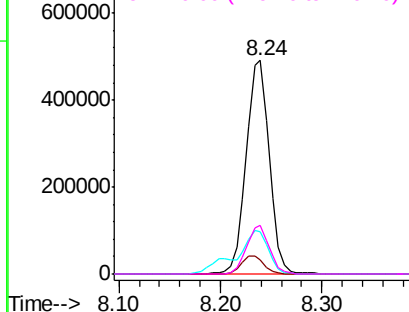
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

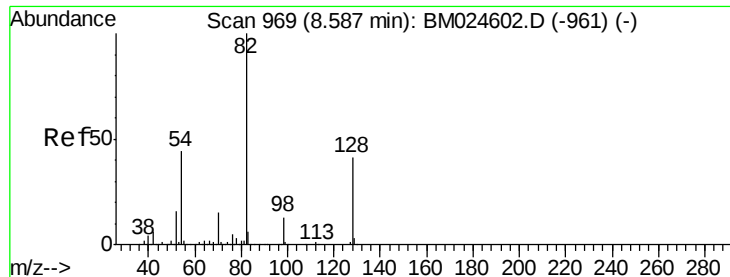


#22  
Acetophenone  
Concen: 40.092 ng  
RT: 8.24 min Scan# 910  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 778201 |       |       |
| 71      | 6.5  | 6.7   | 10.1#  |       |       |
| 51      | 20.0 | 18.5  | 27.7   |       |       |
| 120     | 22.7 | 16.6  | 25.0   |       |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BM0  
Ion 51.00 (50.70 to 51.70): BM0  
Ion 120.00 (119.70 to 120.70): E





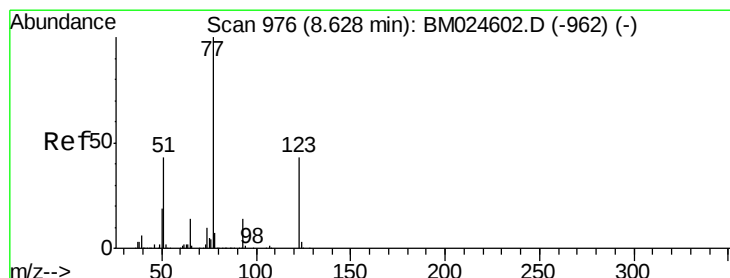
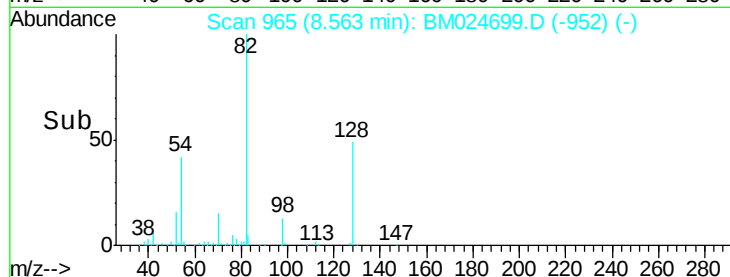
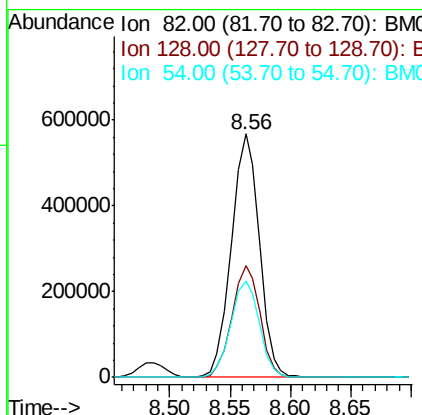
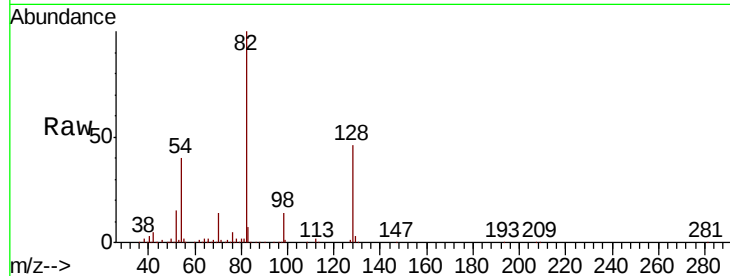
#23  
Nitrobenzene-d5  
Concen: 59.823 ng  
RT: 8.56 min Scan# 965  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.7  | 32.6  | 48.8  |
| 54      | 39.7  | 34.8  | 52.2  |

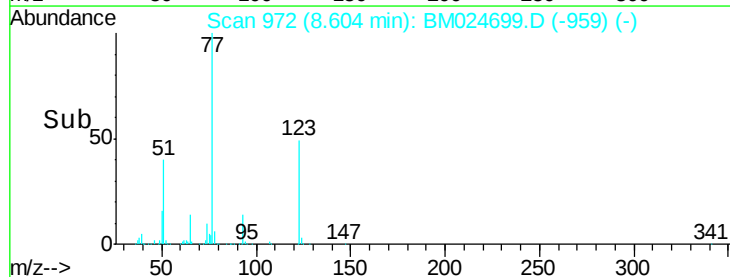
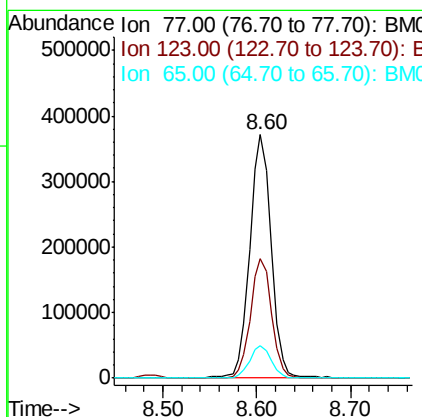
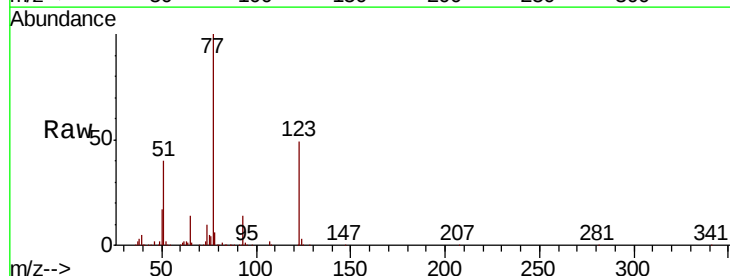
Manual Integrations  
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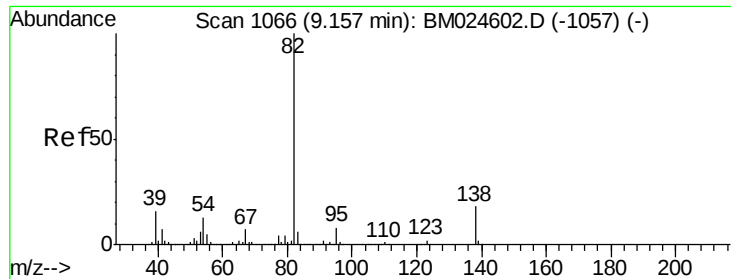
mohammad  
2/4/2020 6:12:23 PM



#24  
Nitrobenzene  
Concen: 39.635 ng  
RT: 8.60 min Scan# 972  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.3  | 34.6  | 52.0  |
| 65      | 13.6  | 11.0  | 16.4  |





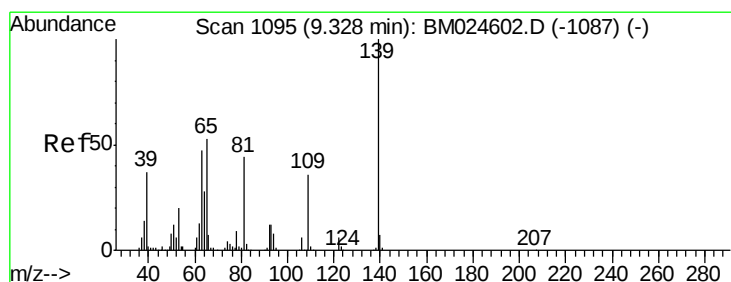
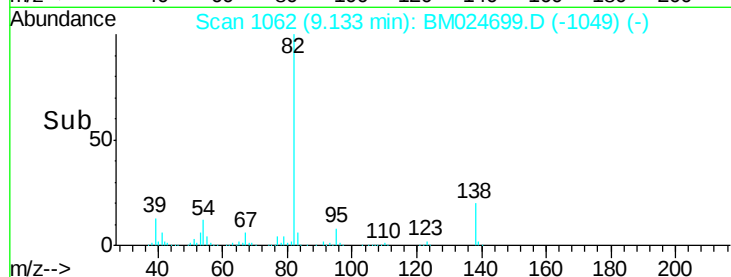
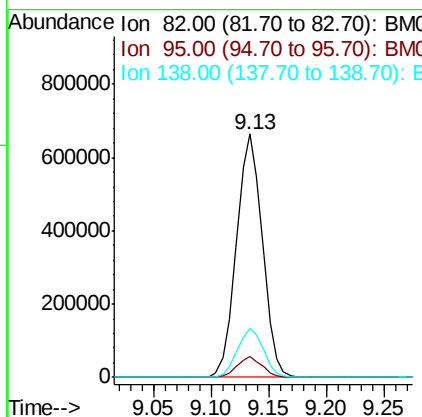
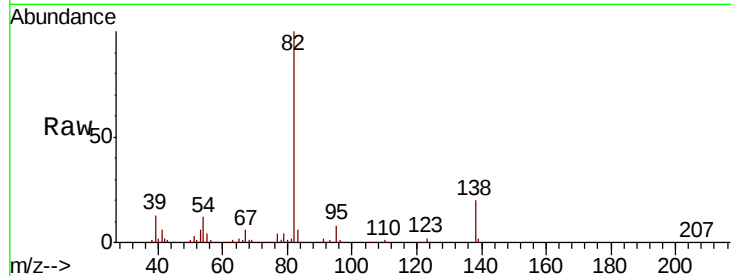
#25  
Isophorone  
Concen: 39.719 ng  
RT: 9.13 min Scan# 1062  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | 82    | Resp  | 1035928 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 82      | 100   |       |         |
| 95      | 8.4   | 6.7   | 10.1    |
| 138     | 20.2  | 14.7  | 22.1    |

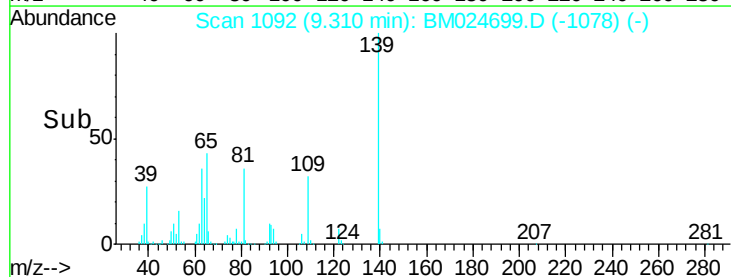
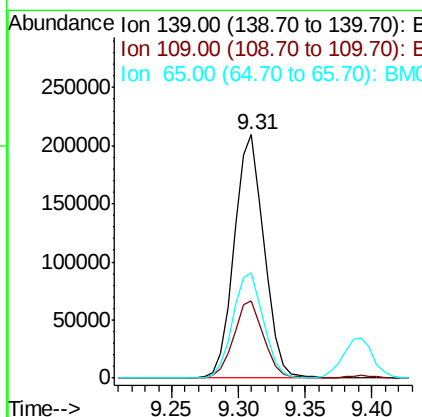
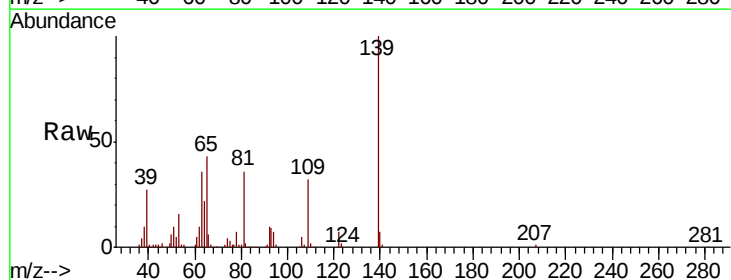
Manual Integrations  
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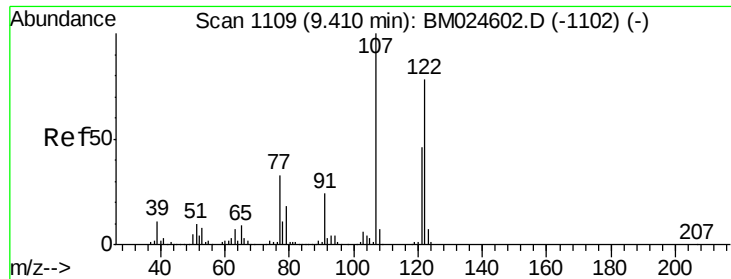
mohammad  
2/4/2020 6:12:23 PM



#26  
2-Nitrophenol  
Concen: 47.782 ng  
RT: 9.31 min Scan# 1092  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | 139   | Resp  | 325449 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 139     | 100   |       |        |
| 109     | 31.5  | 28.8  | 43.2   |
| 65      | 43.4  | 42.6  | 63.8   |





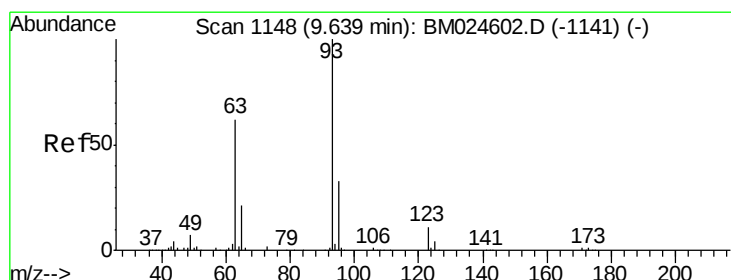
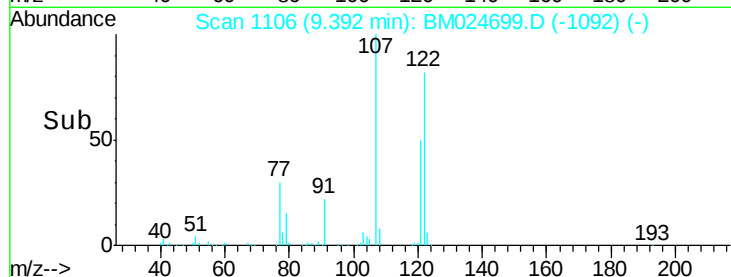
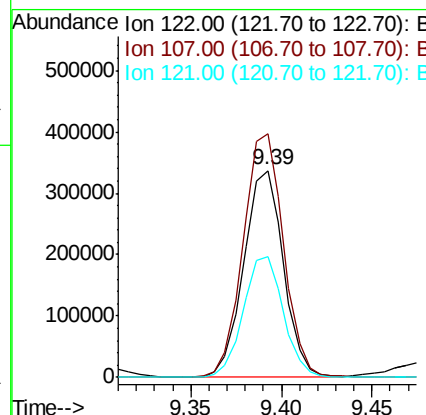
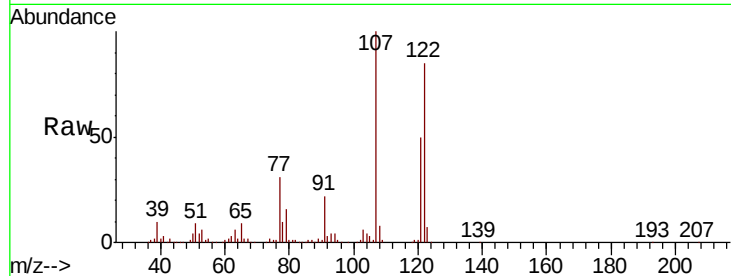
#27  
 2,4-Dimethylphenol  
 Concen: 55.485 ng  
 RT: 9.39 min Scan# 1106  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampled :  
 NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 117.8 | 102.5 | 153.7 |
| 121     | 58.6  | 47.0  | 70.4  |

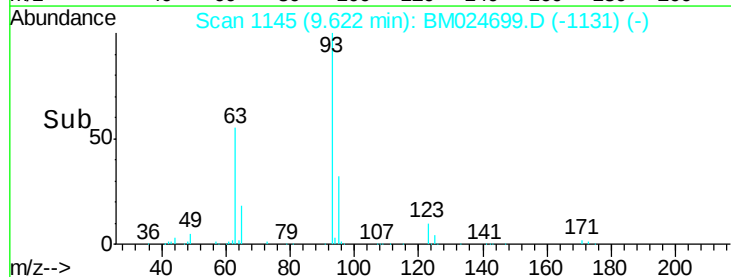
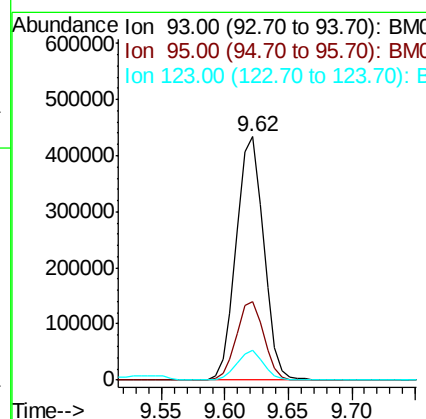
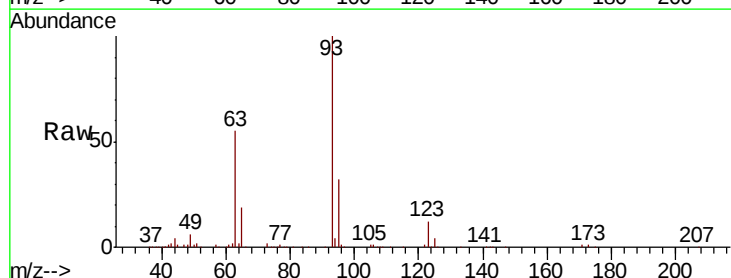
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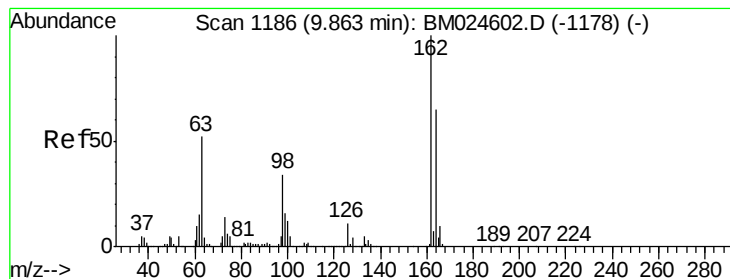
mohammad  
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.843 ng  
 RT: 9.62 min Scan# 1145  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.2  | 26.1  | 39.1  |
| 123     | 12.1  | 8.7   | 13.1  |





#29

2,4-Dichlorophenol

Concen: 49.834 ng

RT: 9.85 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

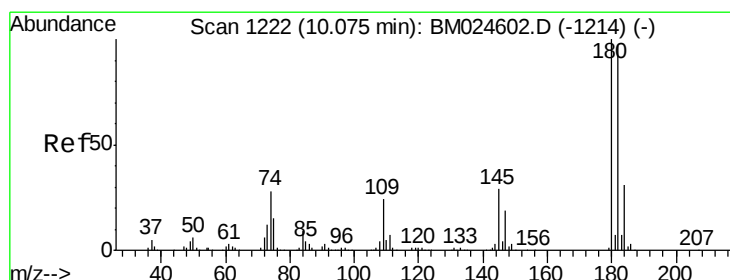
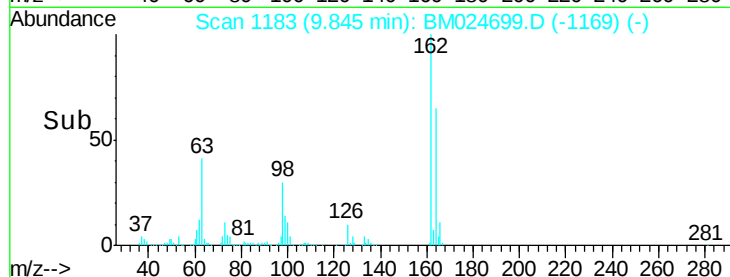
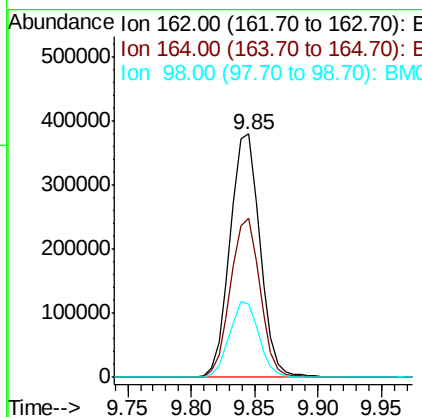
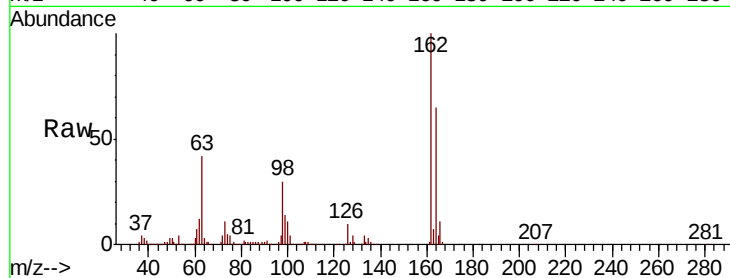
ClientSampleId :

NW-SPMS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 623164 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 65.2  | 44.5  | 84.5   |
| 98        | 30.2  | 14.2  | 54.2   |

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#30

1,2,4-Trichlorobenzene

Concen: 46.710 ng

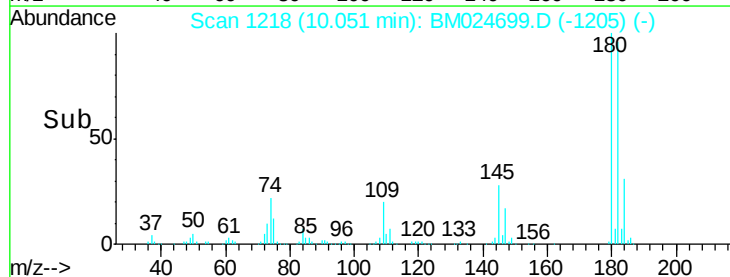
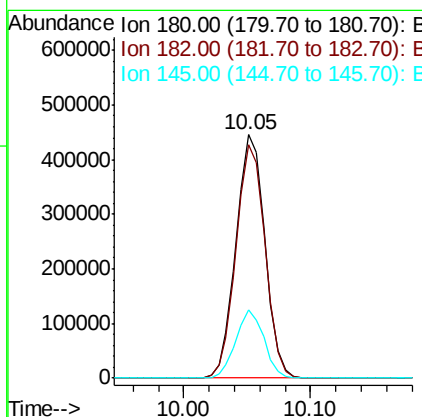
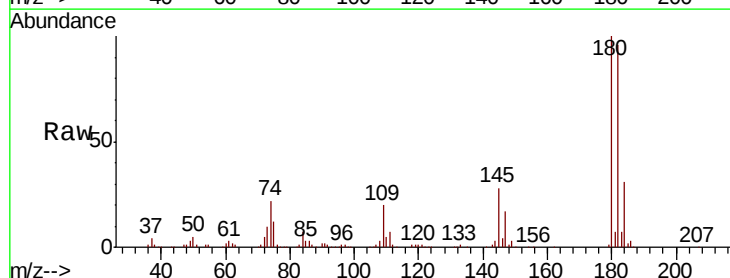
RT: 10.05 min Scan# 1218

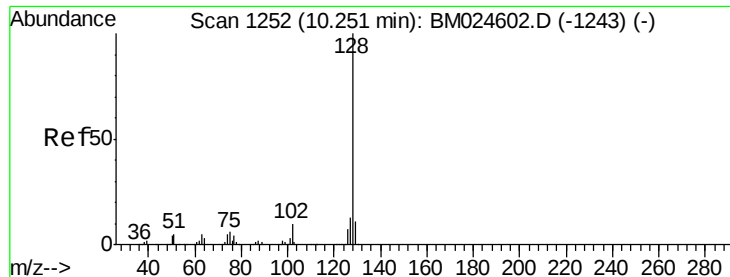
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 704457 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 77.8  | 116.6  |
| 145       | 27.9  | 22.9  | 34.3   |





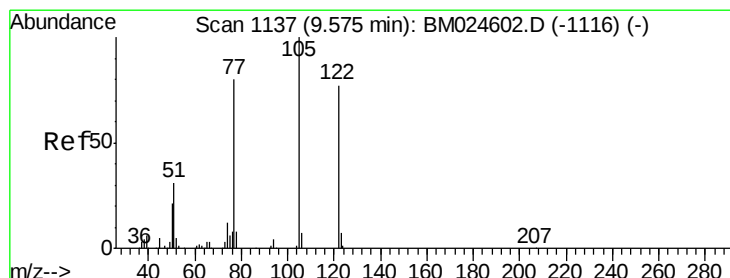
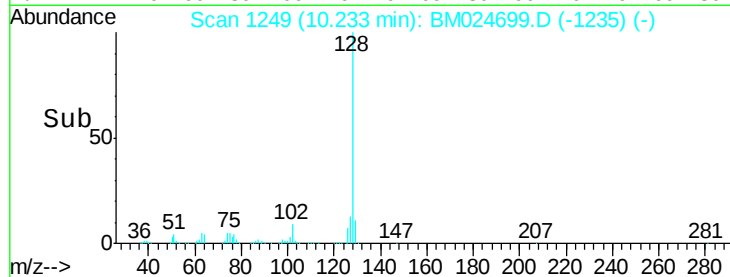
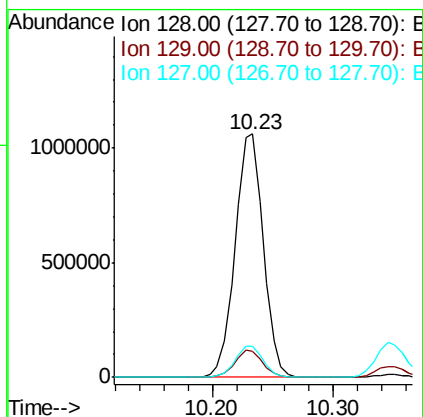
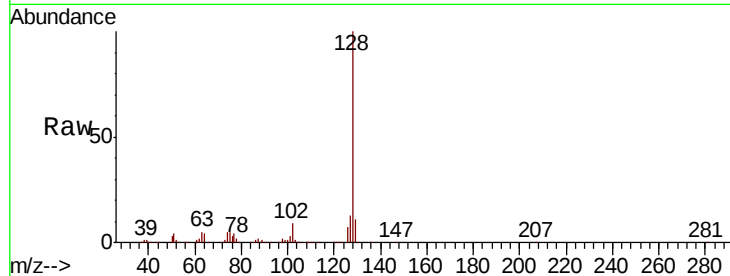
#31  
Naphthalene  
Concen: 45.415 ng  
RT: 10.23 min Scan# 1249  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 8.8   | 13.2  |
| 127     | 12.6  | 10.6  | 15.8  |

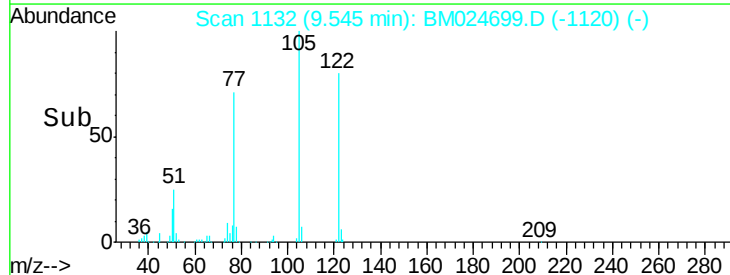
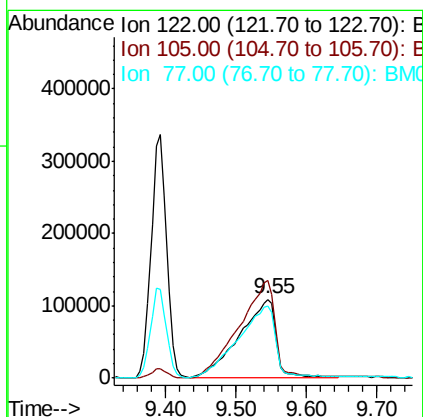
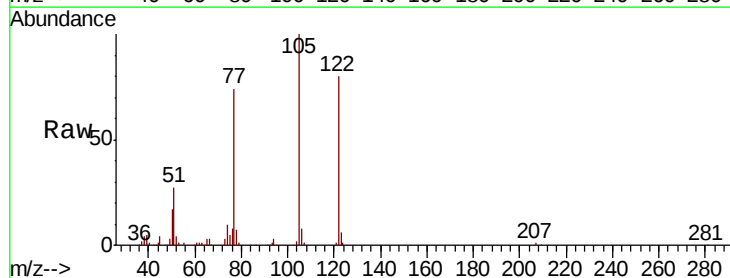
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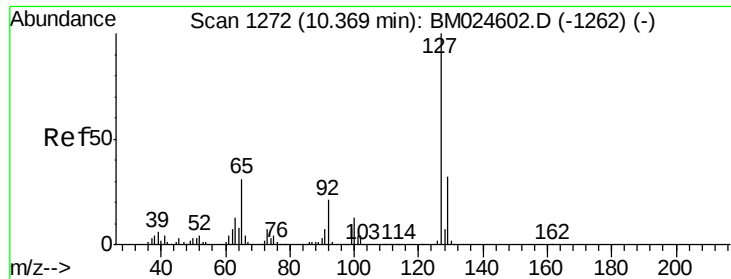
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#32  
Benzoic acid  
Concen: 46.497 ng m  
RT: 9.55 min Scan# 1132  
Delta R.T. -0.03 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 124.3 | 107.7 | 147.7 |
| 77      | 91.6  | 83.8  | 123.8 |





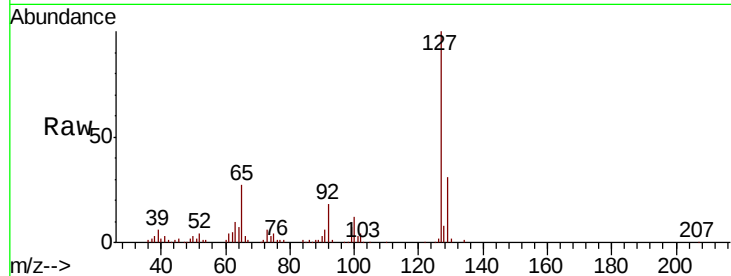
#33  
4-Chloroaniline  
Concen: 16.182 ng  
RT: 10.35 min Scan# 1268  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

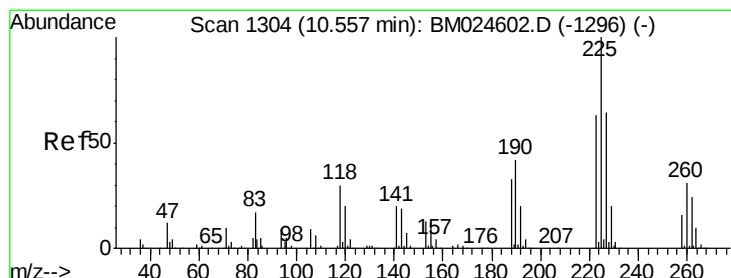
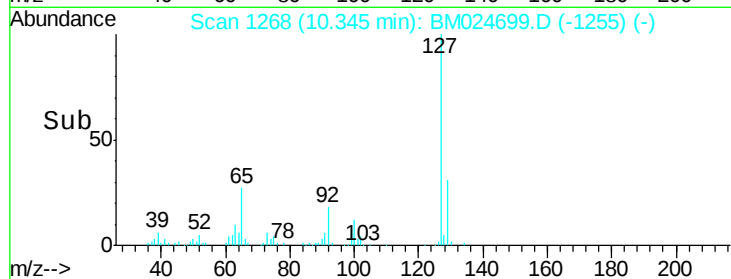
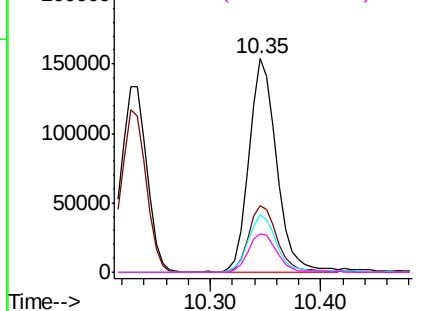
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 269673 |       |       |
| 129     | 31.1 | 25.9  | 38.9   |       |       |
| 65      | 27.2 | 25.1  | 37.7   |       |       |
| 92      | 18.2 | 16.6  | 25.0   |       |       |

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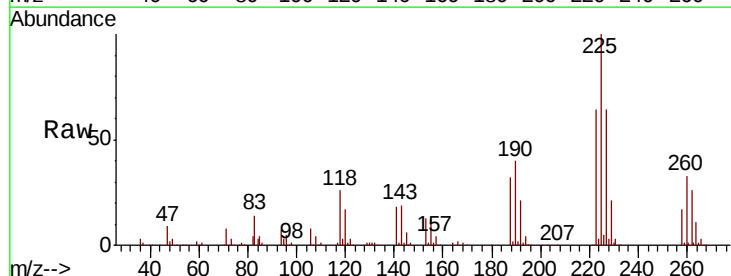


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

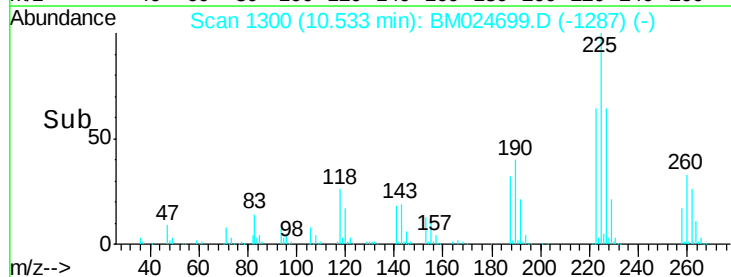
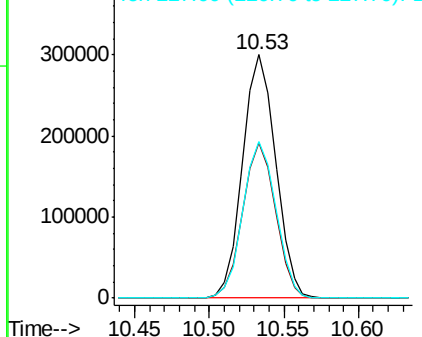


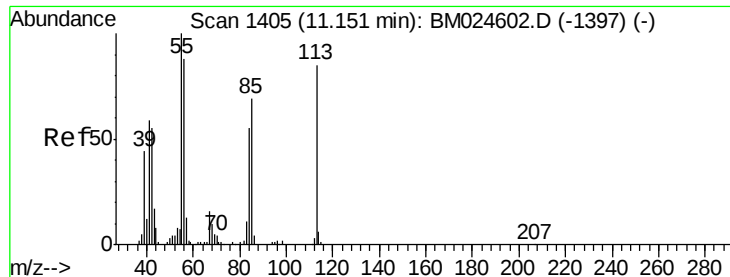
#34  
Hexachlorobutadiene  
Concen: 44.271 ng  
RT: 10.53 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 461548 |       |       |
| 223     | 63.6 | 50.7  | 76.1   |       |       |
| 227     | 64.1 | 51.4  | 77.0   |       |       |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





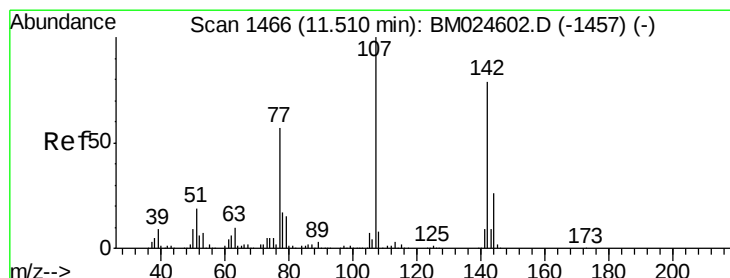
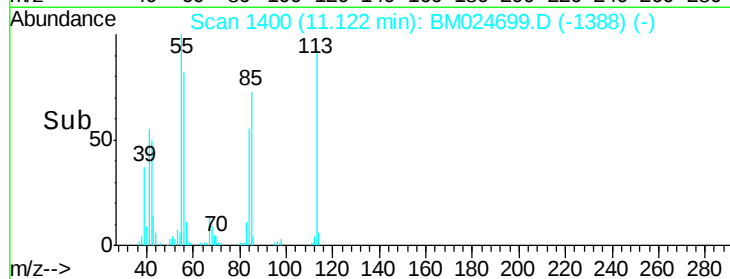
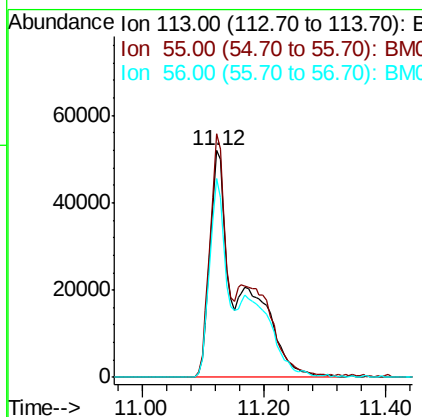
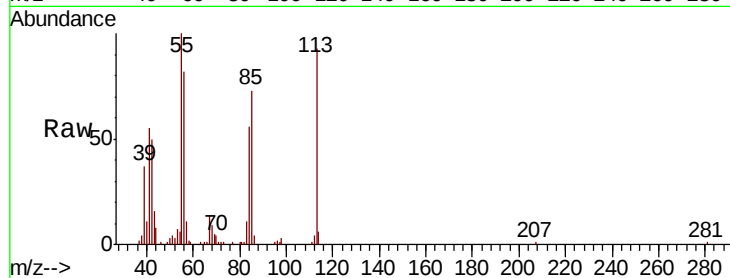
#35  
 Caprolactam  
 Concen: 45.044 ng/ml  
 RT: 11.12 min Scan# 1400  
 Delta R.T. -0.03 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 107.5 | 97.5  | 137.5 |
| 56      | 87.7  | 83.4  | 123.4 |

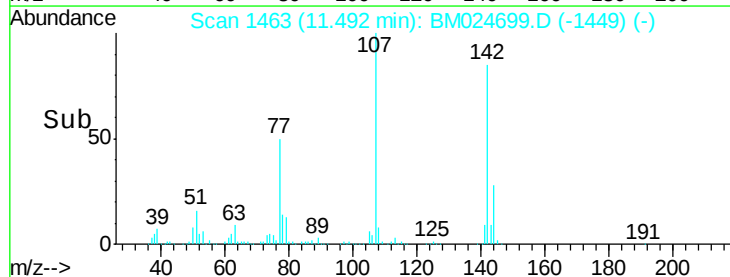
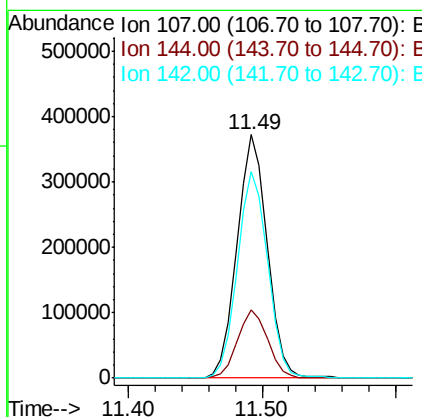
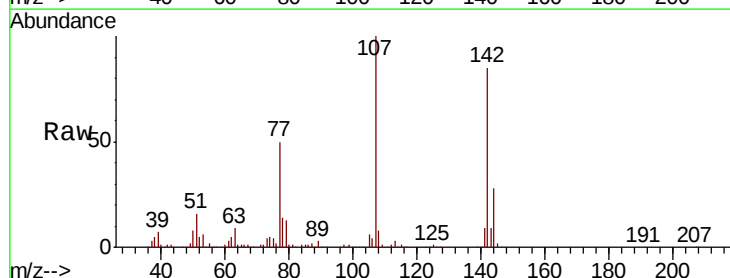
Manual Integrations  
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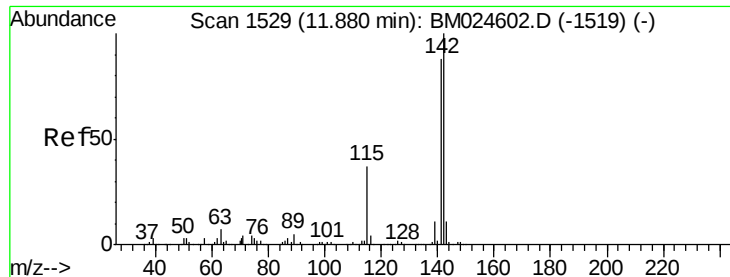
mohammad  
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#36  
 4-Chloro-3-methylphenol  
 Concen: 43.980 ng/ml  
 RT: 11.49 min Scan# 1463  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 27.8  | 20.5  | 30.7  |
| 142     | 84.9  | 62.8  | 94.2  |





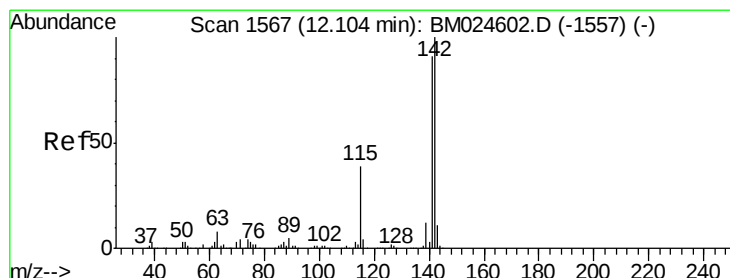
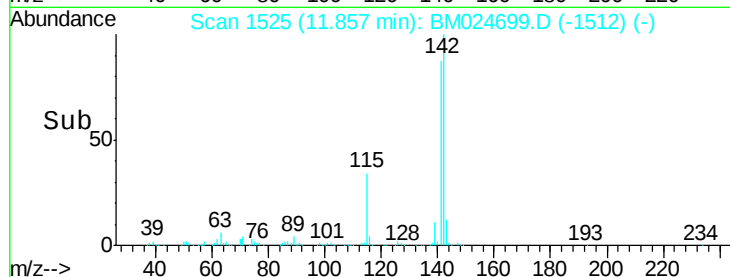
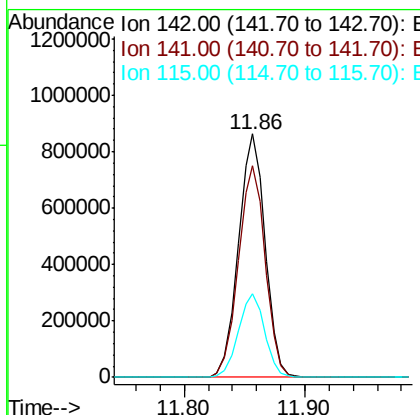
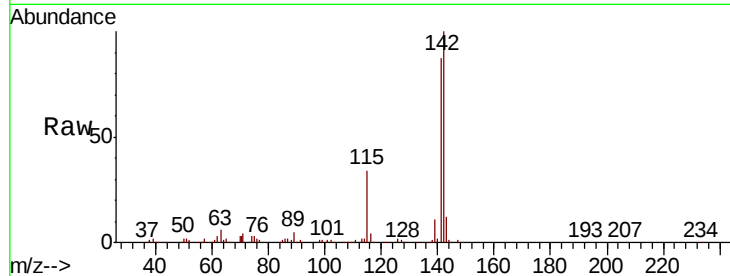
#37  
2-Methylnaphthalene  
Concen: 45.324 ng  
RT: 11.86 min Scan# 1525  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.1  | 70.2  | 105.2 |
| 115     | 34.2  | 29.7  | 44.5  |

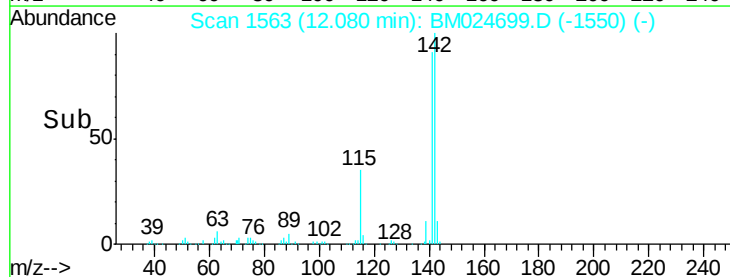
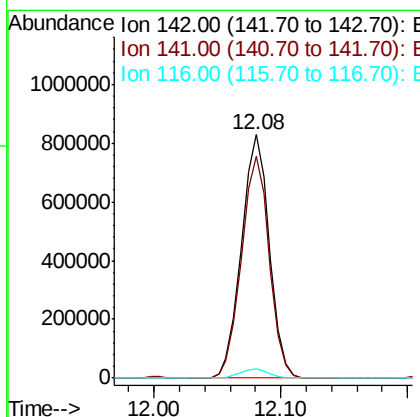
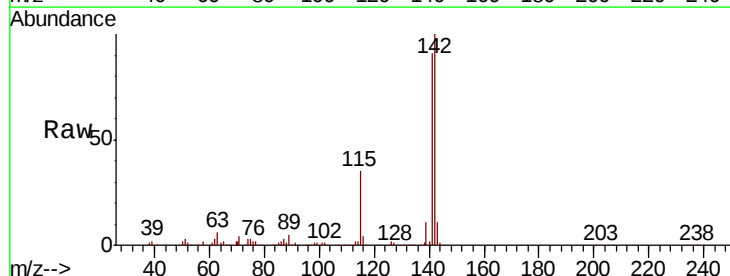
Manual Integrations  
APPROVED

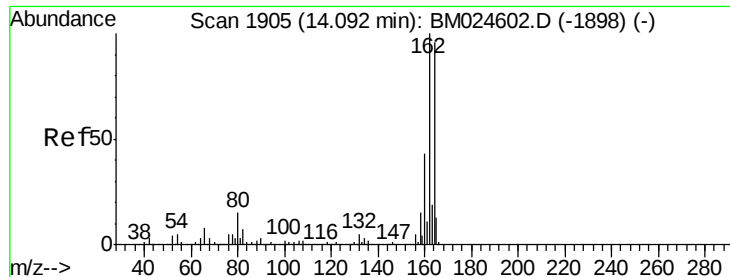
mohammad  
2/4/2020 6:12:23 PM



#38  
1-Methylnaphthalene  
Concen: 45.185 ng  
RT: 12.08 min Scan# 1563  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.0  | 72.8  | 109.2 |
| 116     | 3.7   | 3.2   | 4.8   |





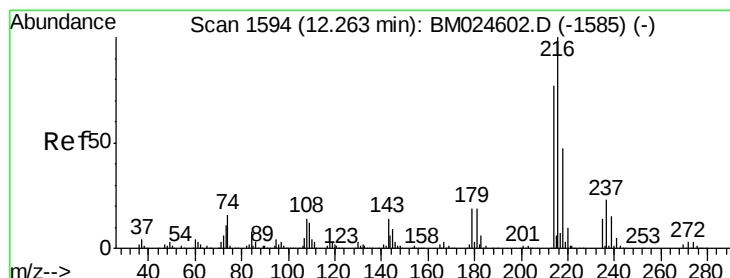
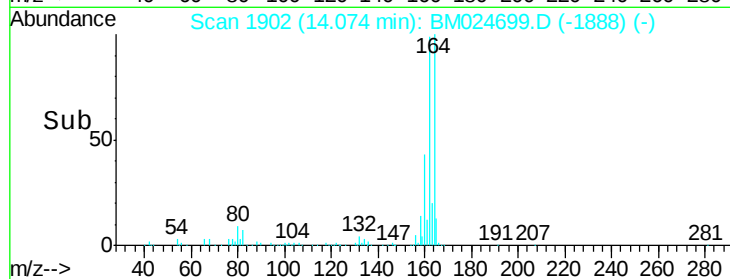
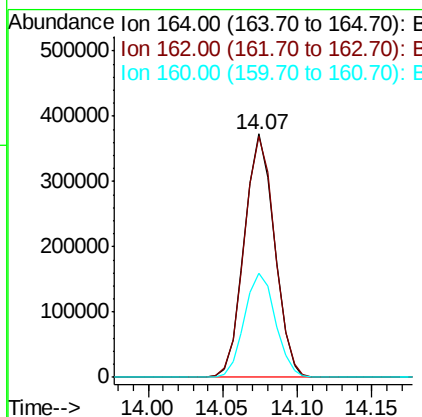
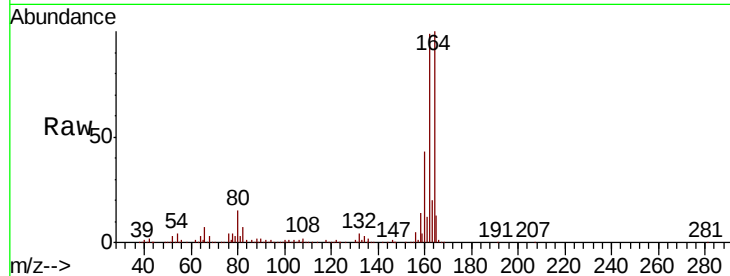
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.07 min Scan# 1902  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 99.0  | 82.9 | 124.3 |       |
| 160     | 42.8  | 35.5 | 53.3  |       |

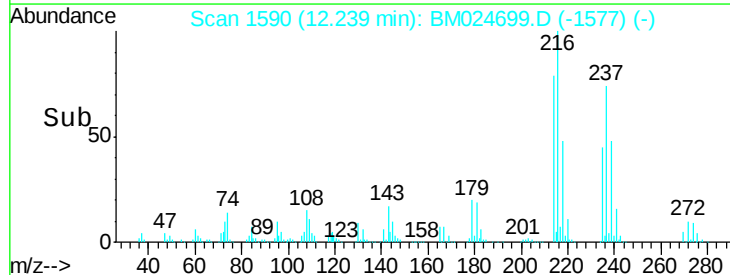
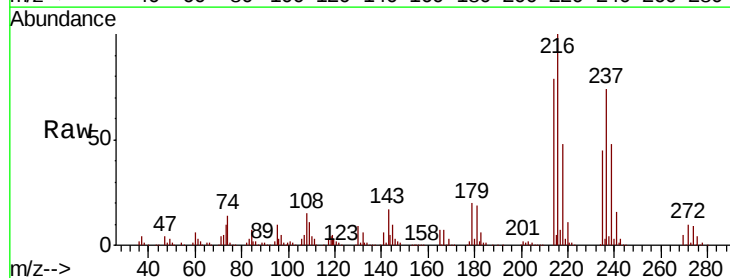
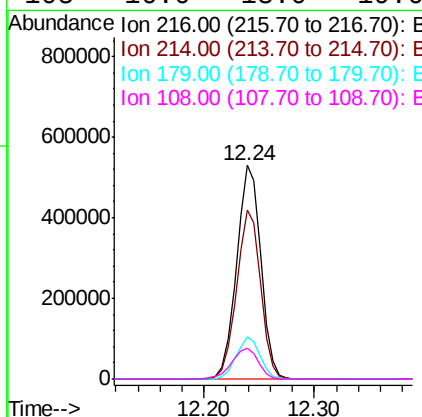
Manual Integrations  
APPROVED

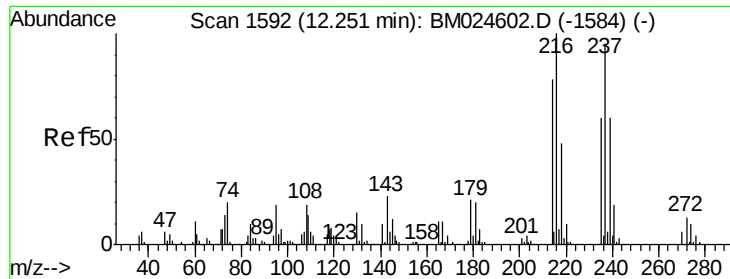
mohammad  
2/4/2020 6:12:23 PM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.680 ng  
RT: 12.24 min Scan# 1590  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.4  | 62.3 | 93.5  |       |
| 179     | 19.5  | 16.1 | 24.1  |       |
| 108     | 16.0  | 13.0 | 19.6  |       |





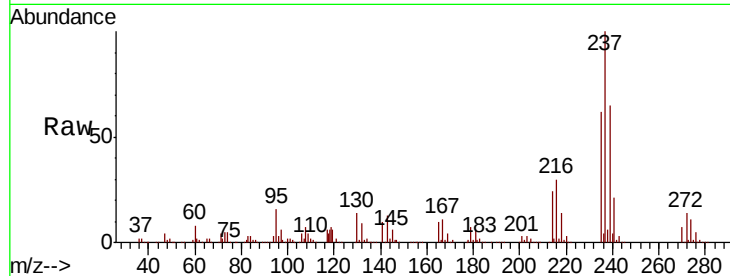
#41  
Hexachlorocyclopentadiene  
Concen: 104.729 ng  
RT: 12.23 min Scan# 1588  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 62.4  | 43.3  | 83.3  |
| 272     | 13.7  | 0.0   | 33.4  |

Manual Integrations  
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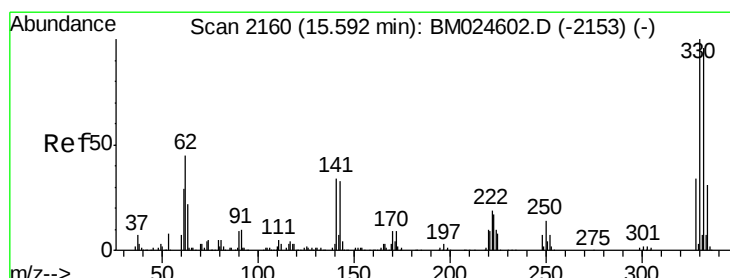
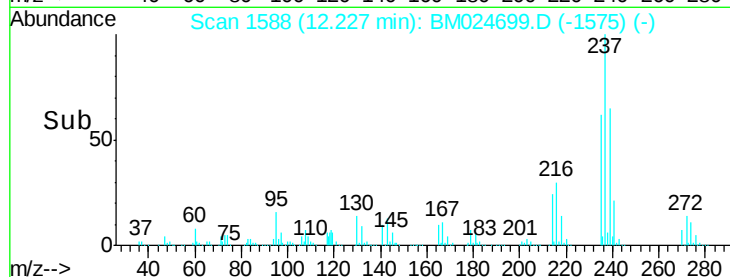
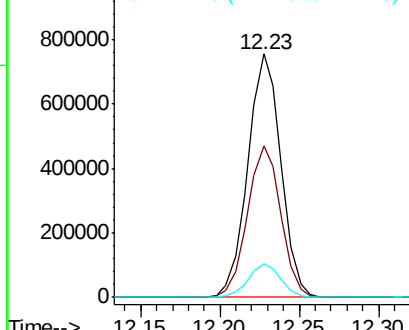


Abundance

Ion 236.80 (236.50 to 237.50): E

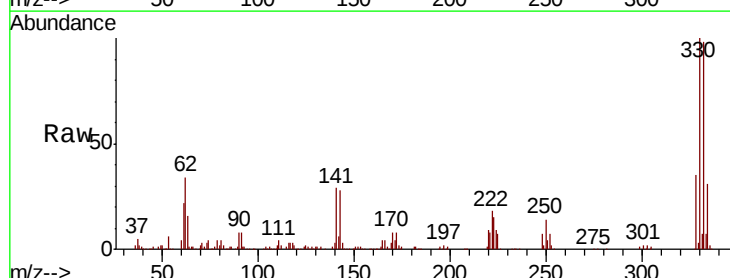
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42  
2,4,6-Tribromophenol  
Concen: 104.343 ng  
RT: 15.57 min Scan# 2157  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.4  | 77.2  | 115.8 |
| 141     | 27.6  | 26.9  | 40.3  |

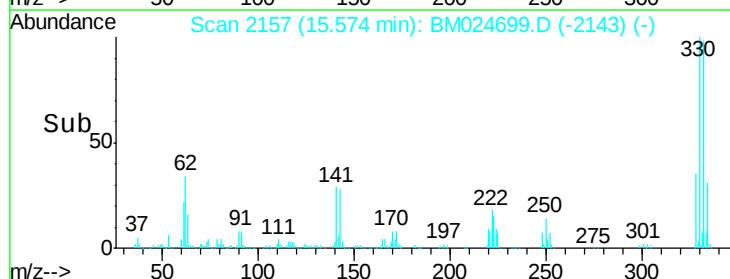
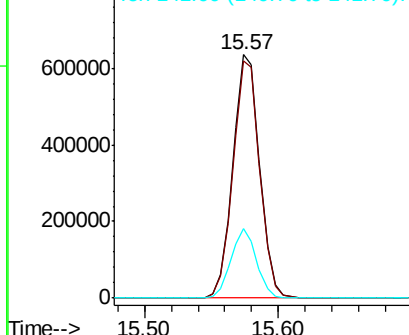


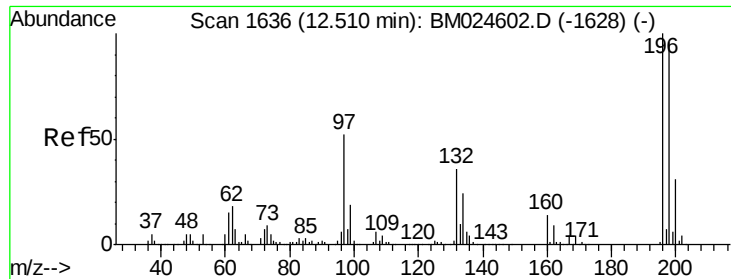
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





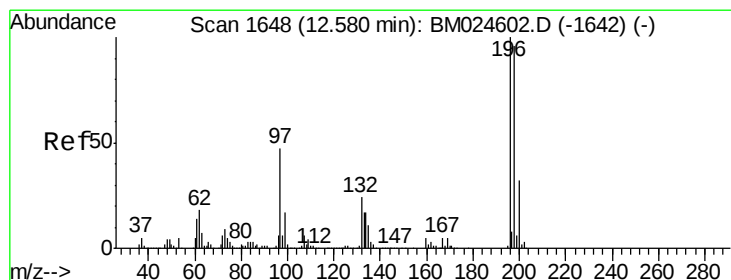
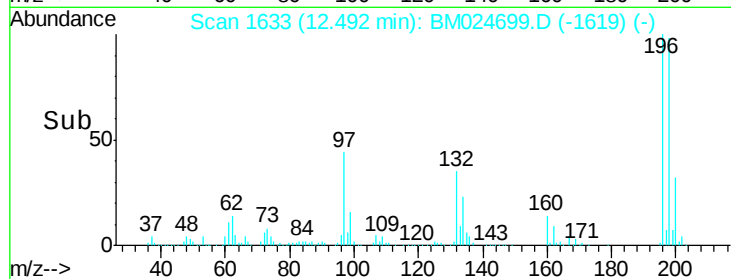
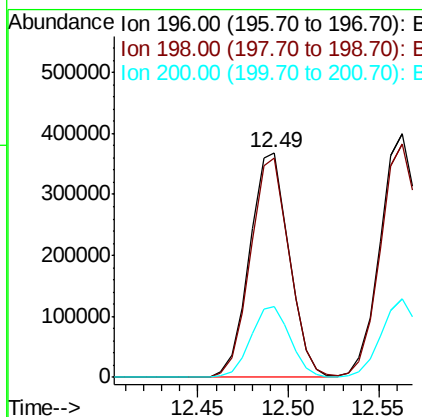
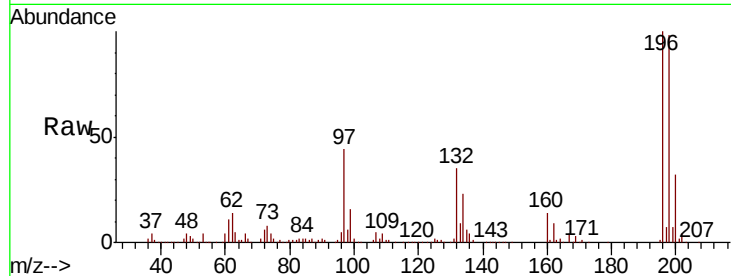
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.033 ng  
 RT: 12.49 min Scan# 1633  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampled :  
 NW-SPMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 558723 |       |       |
| 198     | 97.6  | 76.5   | 114.7 |       |
| 200     | 31.8  | 25.0   | 37.6  |       |

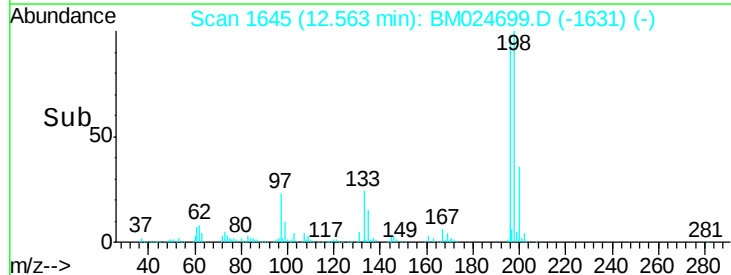
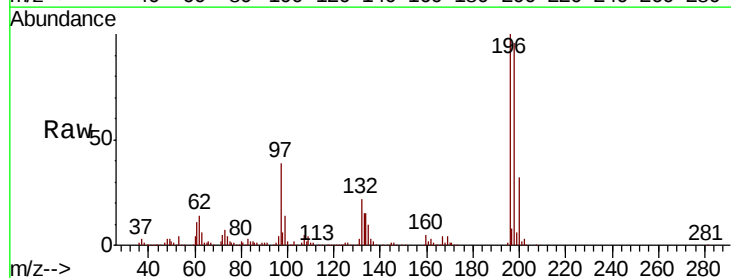
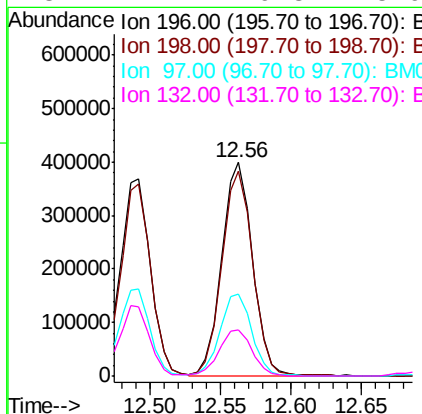
Manual Integrations  
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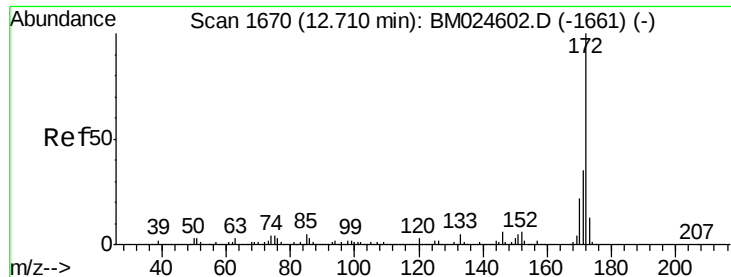
mohammad  
 2/4/2020 6:12:23 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 49.682 ng  
 RT: 12.56 min Scan# 1645  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 602744 |       |       |
| 198     | 96.0  | 77.2   | 115.8 |       |
| 97      | 38.5  | 37.4   | 56.0  |       |
| 132     | 21.7  | 19.3   | 28.9  |       |





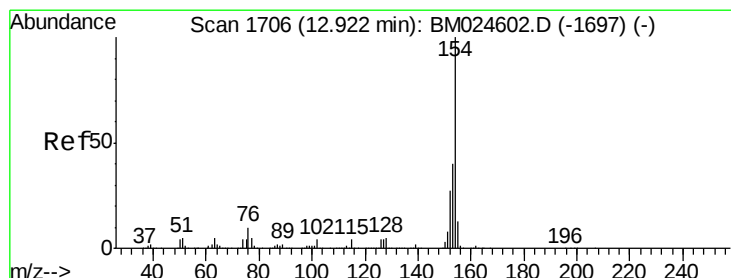
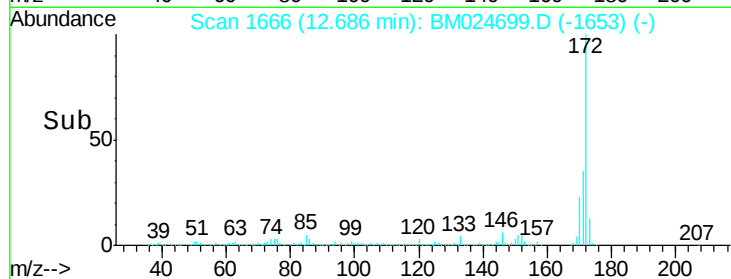
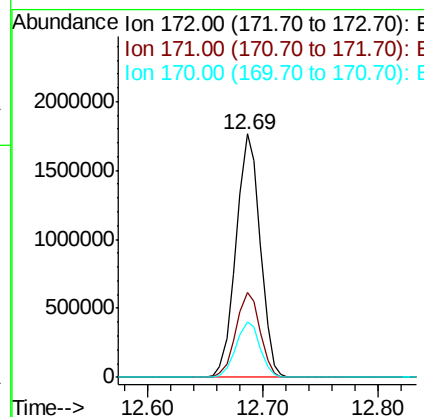
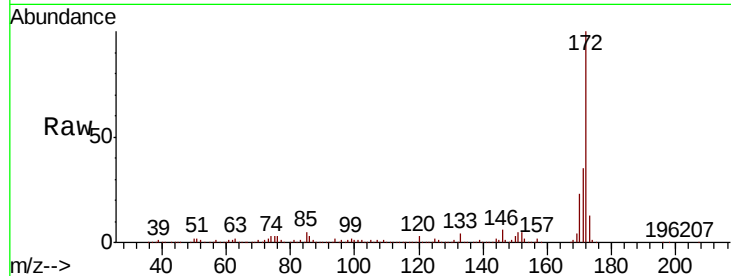
#45  
2-Fluorobiphenyl  
Concen: 66.530 ng  
RT: 12.69 min Scan# 1666  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

Tot Ion:172 Resp: 2559643  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.3 42.5  
170 22.9 17.9 26.9

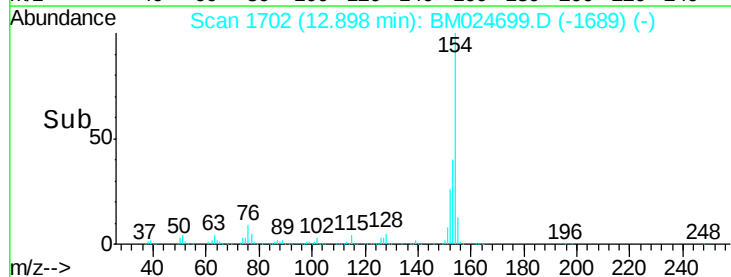
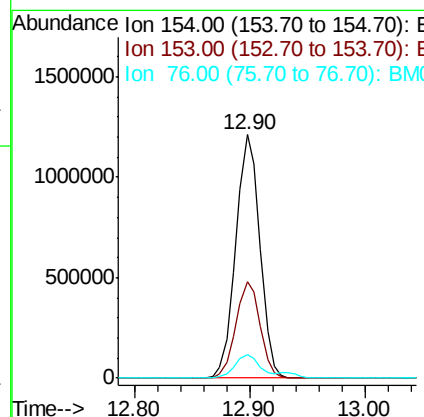
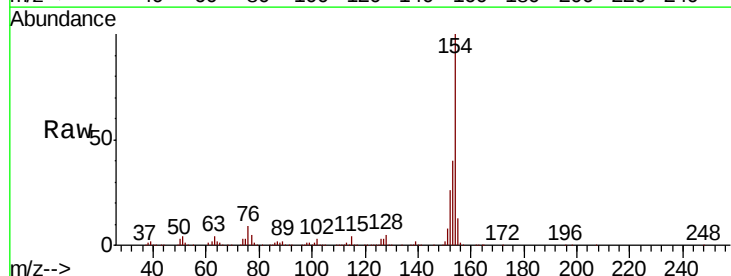
Manual Integrations  
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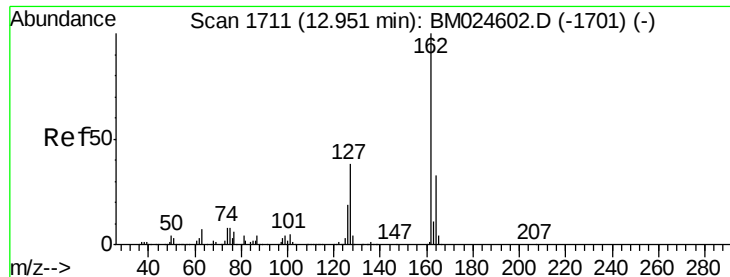
mohammad  
2/4/2020 6:12:23 PM



#46  
1,1'-Biphenyl  
Concen: 44.168 ng  
RT: 12.90 min Scan# 1702  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Tgt Ion:154 Resp: 1748319  
Ion Ratio Lower Upper  
154 100  
153 39.6 20.3 60.3  
76 9.4 0.0 30.5





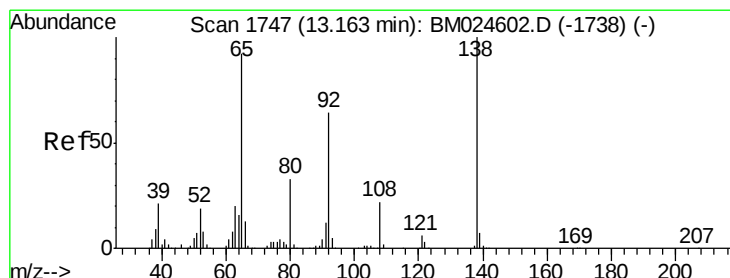
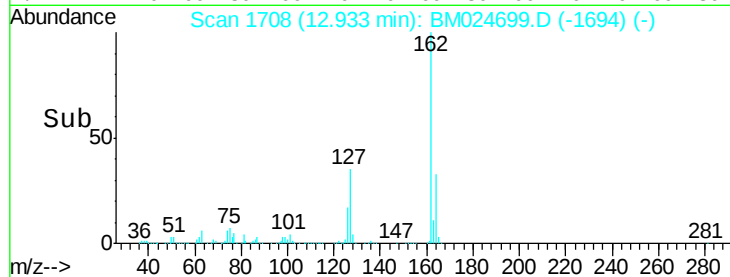
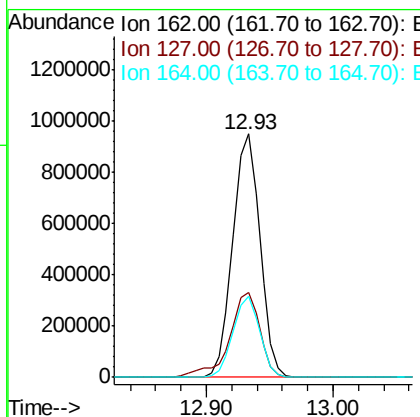
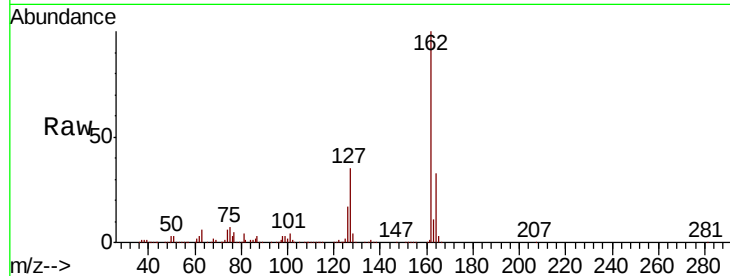
#47  
 2-Chloronaphthalene  
 Concen: 44.170 ng  
 RT: 12.93 min Scan# 1708  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 34.8  | 30.4  | 45.6  |
| 164     | 33.3  | 26.5  | 39.7  |

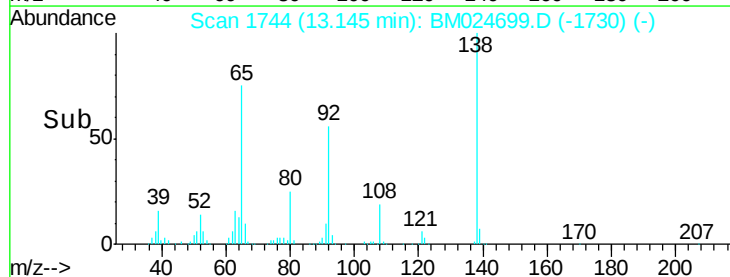
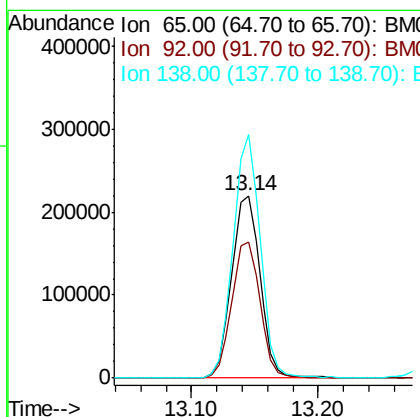
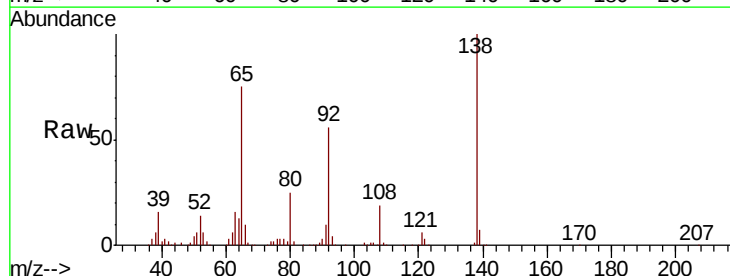
Manual Integrations  
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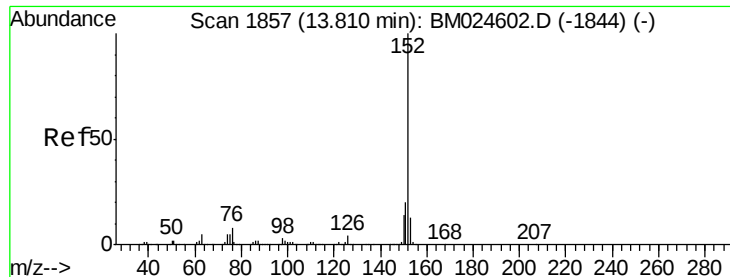
mohammad  
 2/4/2020 6:12:23 PM



#48  
 2-Nitroaniline  
 Concen: 35.076 ng  
 RT: 13.14 min Scan# 1744  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 74.7  | 55.4  | 83.2  |
| 138     | 133.3 | 86.6  | 129.8 |





#49

Acenaphthylene

Concen: 46.898 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:152 Resp: 2243506

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.5  | 15.8  | 23.6  |
| 153 | 12.9  | 10.4  | 15.6  |

152 100

151 19.5 15.8 23.6

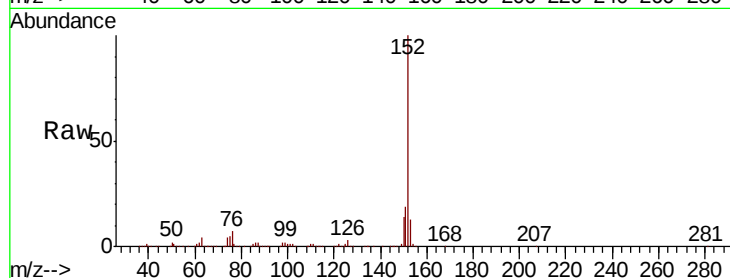
153 12.9 10.4 15.6

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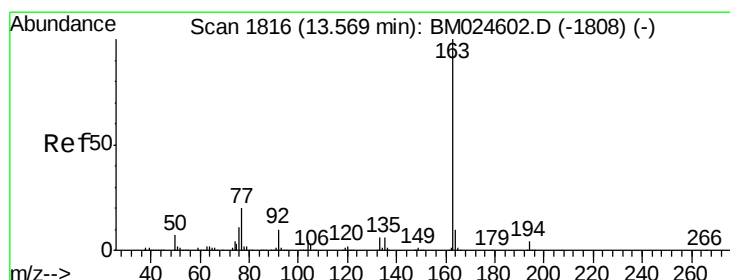
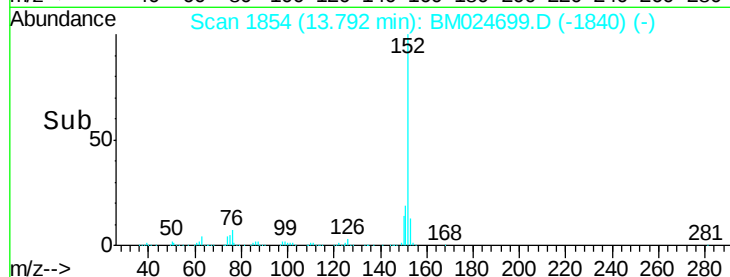
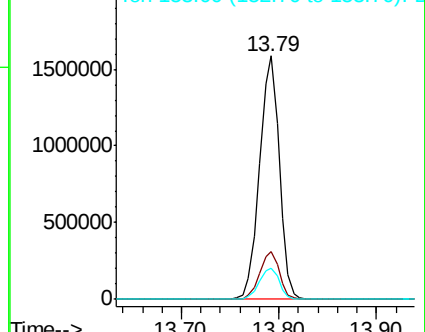


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.801 ng

RT: 13.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

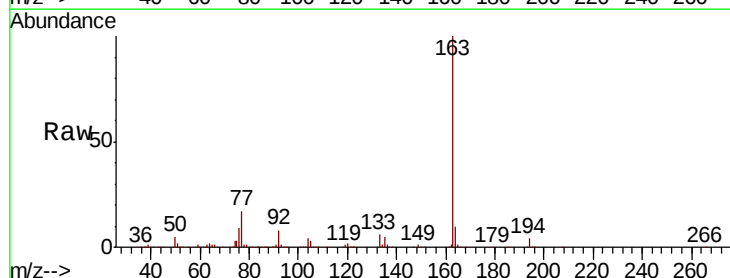
Tgt Ion:163 Resp: 1894879

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.5   | 3.4   | 5.0   |
| 164 | 10.1  | 8.0   | 12.0  |

163 100

194 4.5 3.4 5.0

164 10.1 8.0 12.0

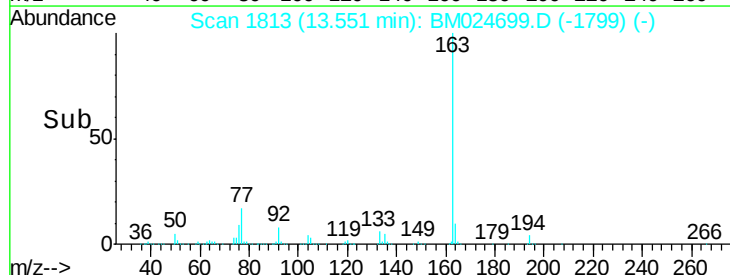
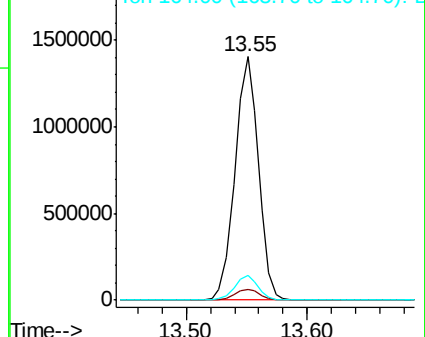


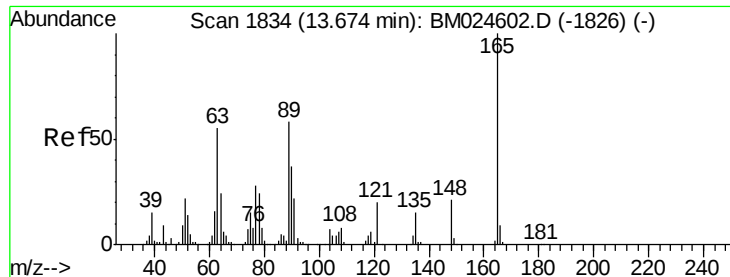
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 45.287 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:165 Resp: 407237  
Ion Ratio Lower Upper

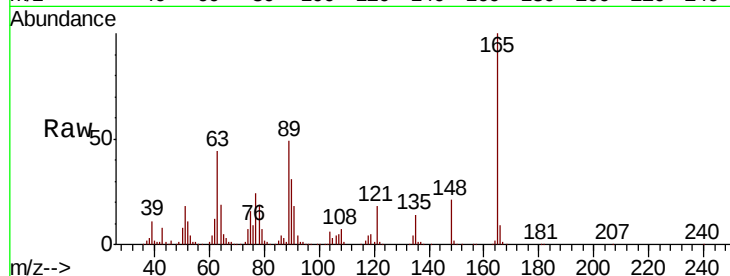
165 100

63 44.1 45.4 68.0#

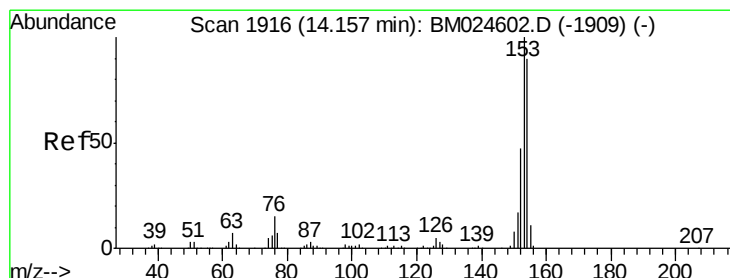
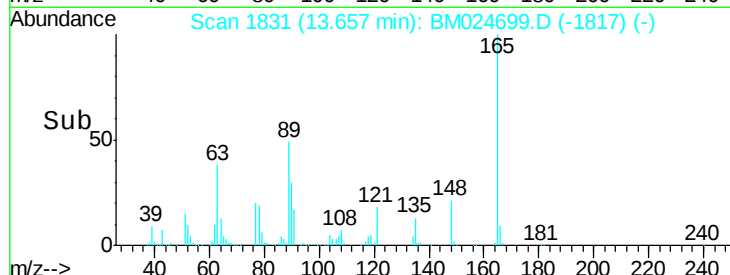
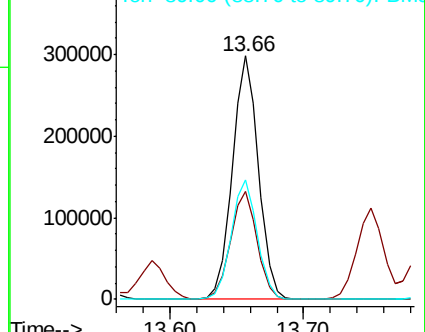
89 49.0 46.6 69.8

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Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BM0  
Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 44.710 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM024699.D

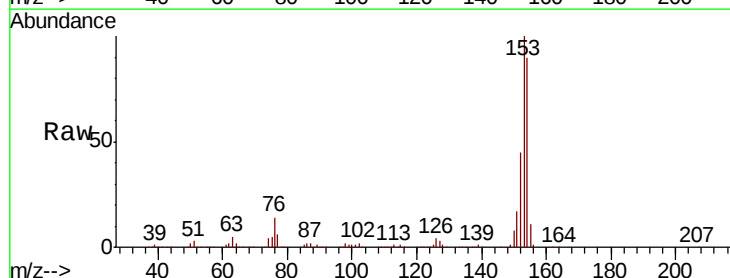
Acq: 03 Feb 2020 15:11

Tgt Ion:154 Resp: 1327215  
Ion Ratio Lower Upper

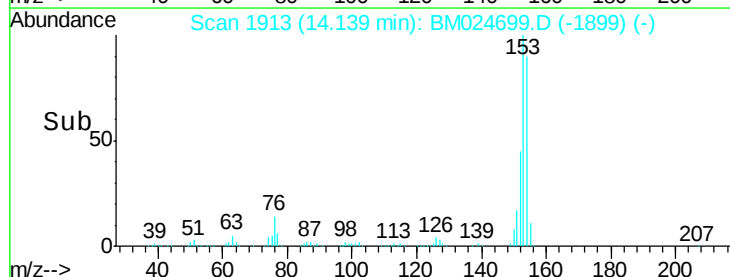
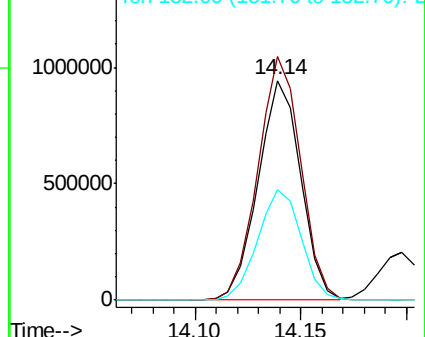
154 100

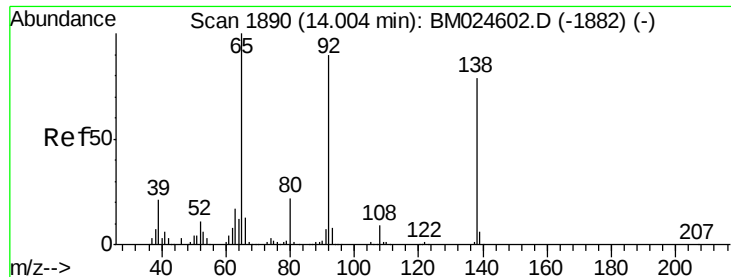
153 111.0 89.1 133.7

152 50.5 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





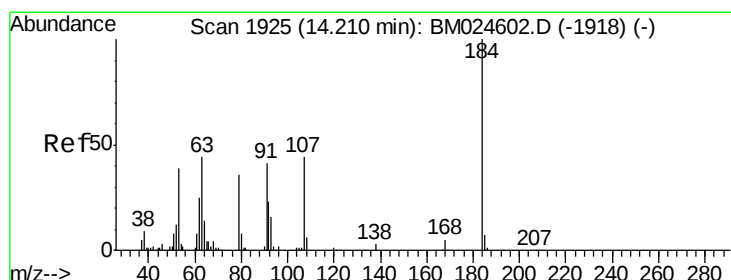
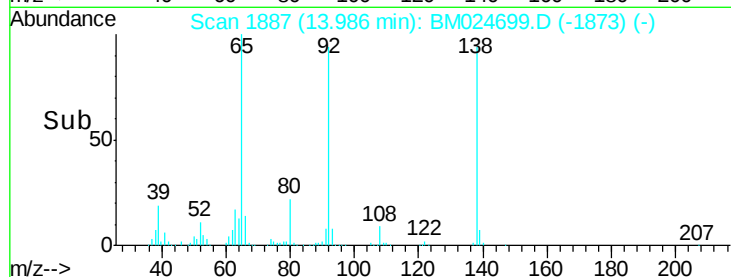
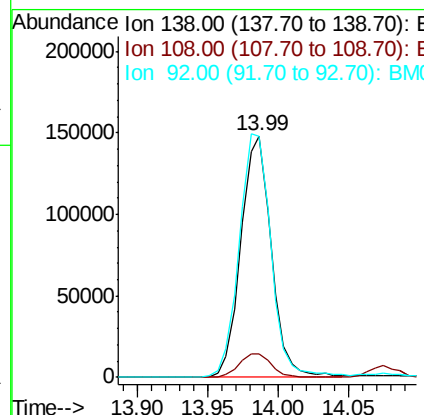
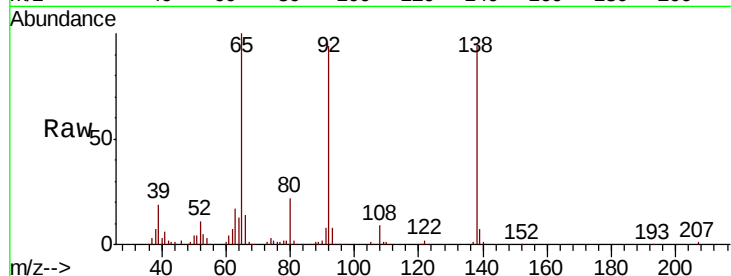
#53  
3-Nitroaniline  
Concen: 24.022 ng  
RT: 13.99 min Scan# 1887  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.5   | 8.7   | 13.1  |
| 92      | 100.1 | 91.0  | 136.4 |

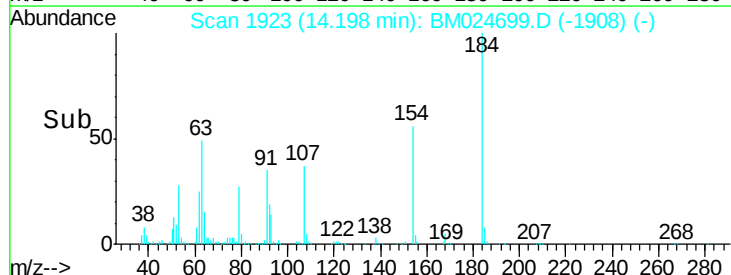
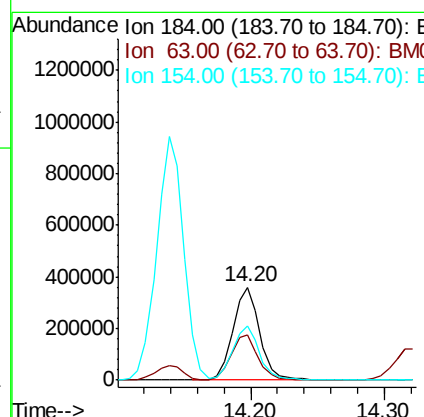
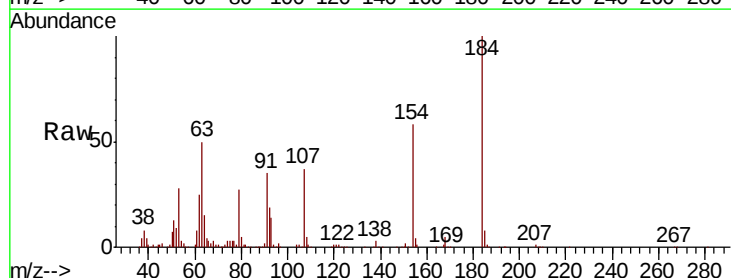
Manual Integrations  
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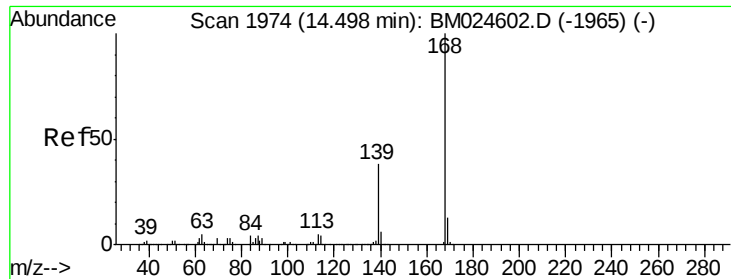
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#54  
2,4-Dinitrophenol  
Concen: 93.601 ng  
RT: 14.20 min Scan# 1923  
Delta R.T. -0.01 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 49.5  | 51.8  | 77.8# |
| 154     | 57.9  | 50.2  | 75.4  |





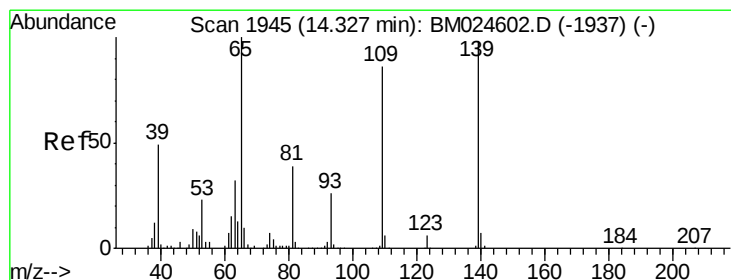
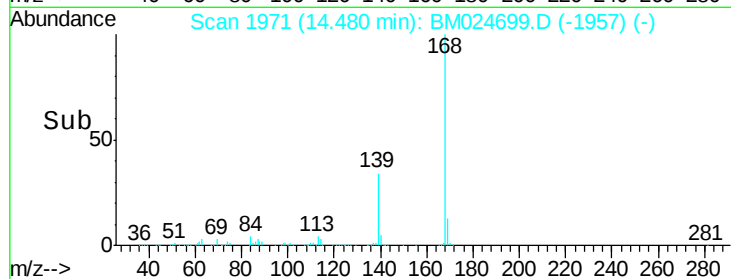
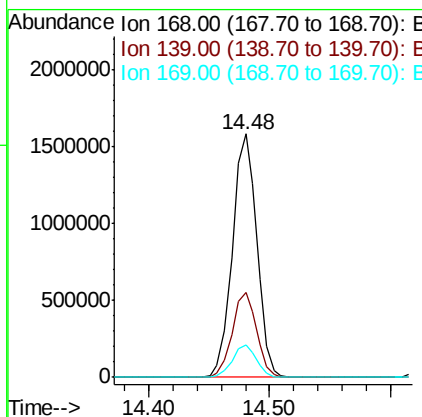
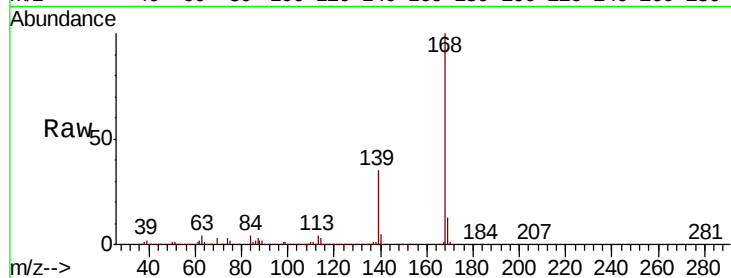
#55  
Dibenzofuran  
Concen: 46.027 ng  
RT: 14.48 min Scan# 1971  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 34.7  | 30.2  | 45.4  |
| 169     | 13.3  | 10.7  | 16.1  |

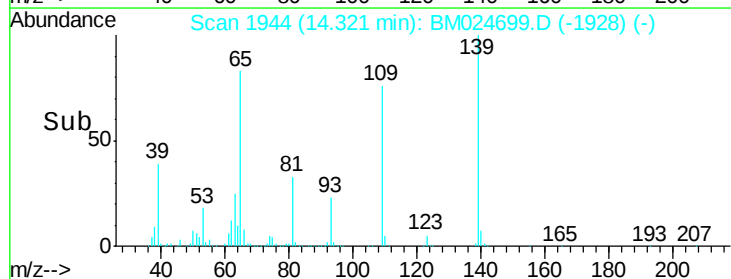
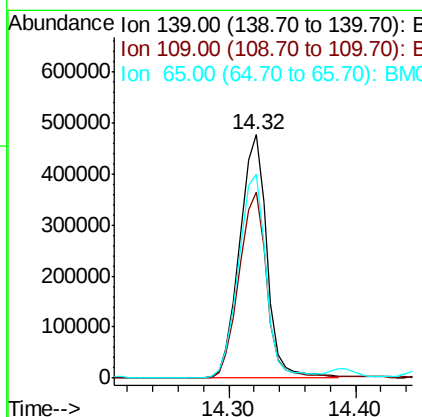
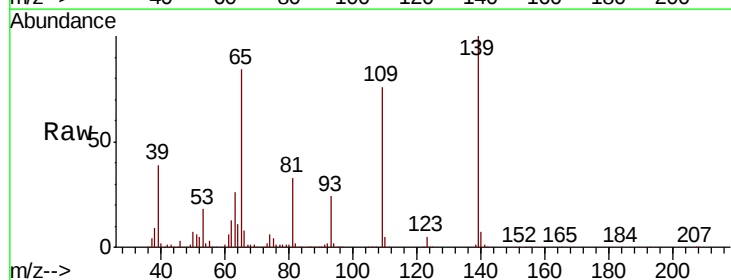
Manual Integrations  
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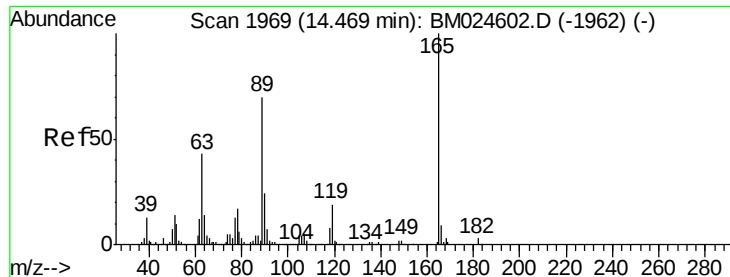
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#56  
4-Nitrophenol  
Concen: 98.352 ng  
RT: 14.32 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 76.4  | 67.4  | 107.4 |
| 65      | 83.5  | 82.1  | 122.1 |





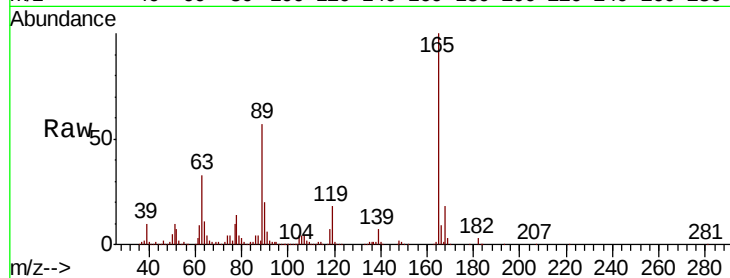
#57  
2,4-Dinitrotoluene  
Concen: 44.399 ng  
RT: 14.46 min Scan# 1967  
Delta R.T. -0.01 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 33.0  | 34.5  | 51.7# |
| 89      | 57.2  | 55.8  | 83.8  |
| 182     | 3.4   | 2.3   | 3.5   |

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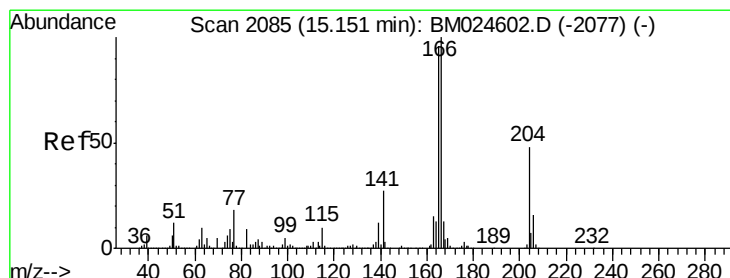
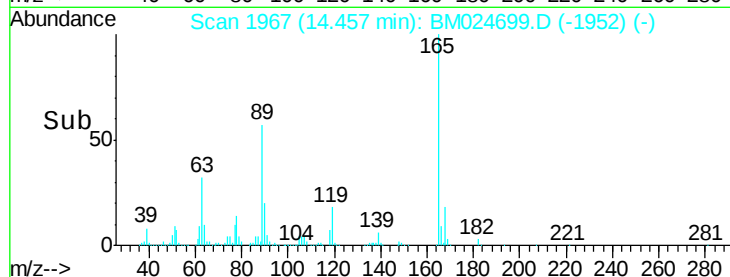
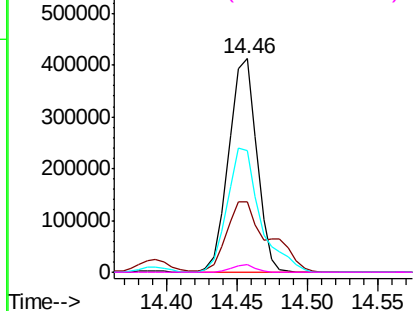
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 44.245 ng  
RT: 15.13 min Scan# 2082  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

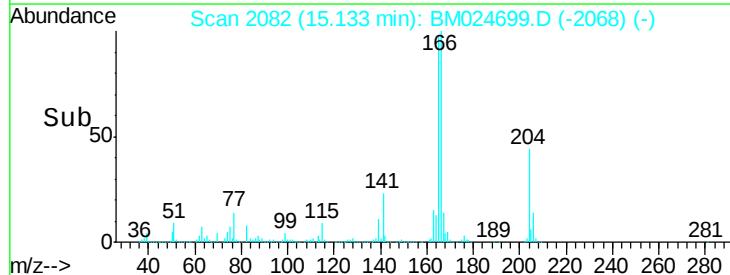
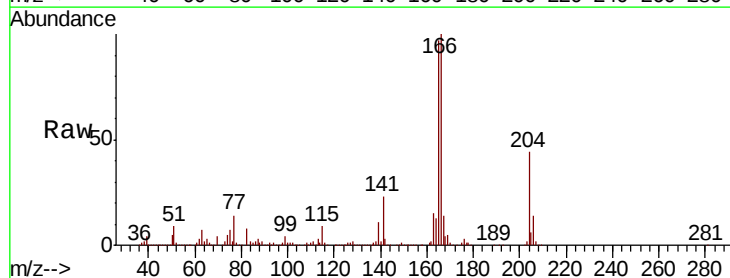
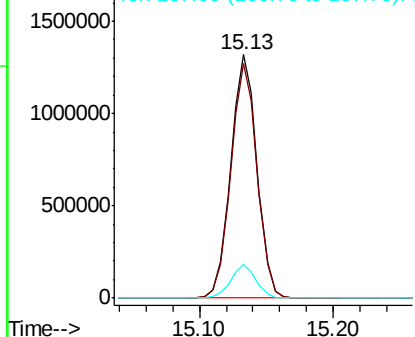
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.6  | 76.6  | 114.8 |
| 167     | 13.8  | 10.8  | 16.2  |

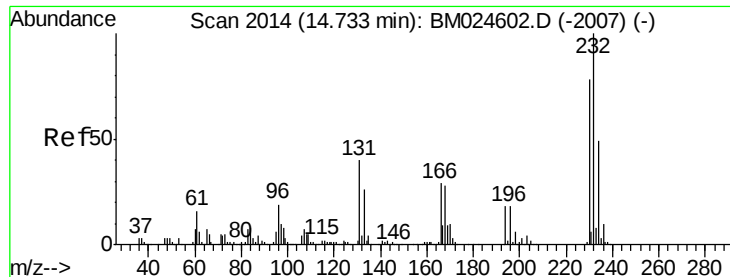
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





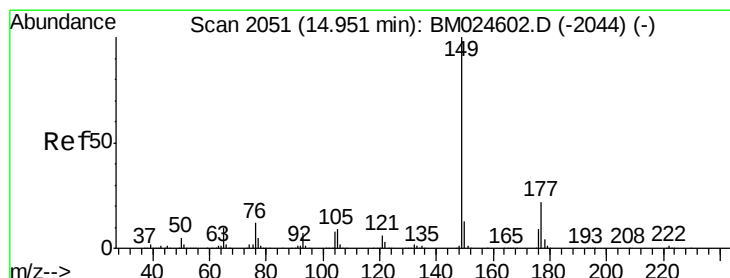
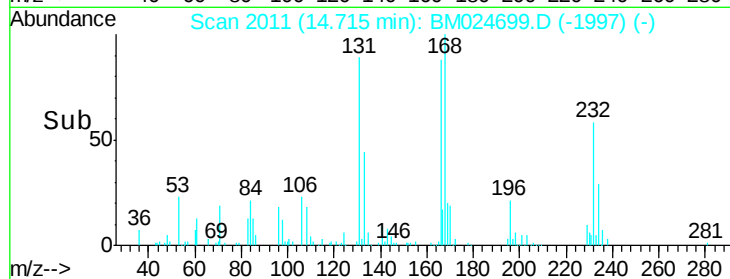
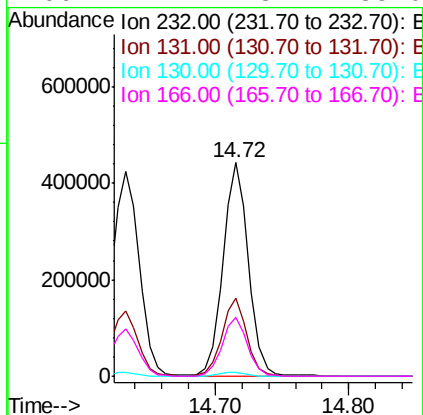
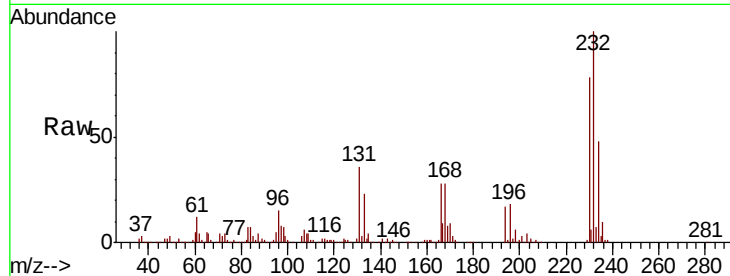
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.855 ng  
RT: 14.72 min Scan# 2011  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 588765 |       |       |
| 131     | 35.4  |        | 32.2  | 48.4  |
| 130     | 1.9   |        | 1.9   | 2.9   |
| 166     | 27.7  |        | 23.4  | 35.0  |

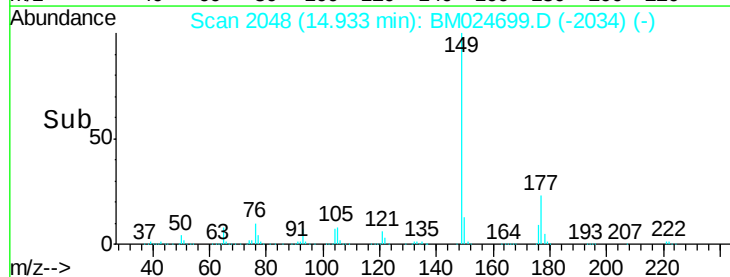
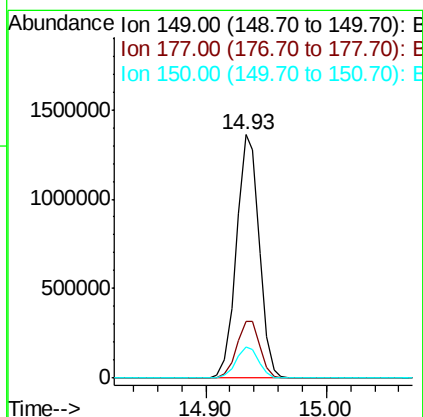
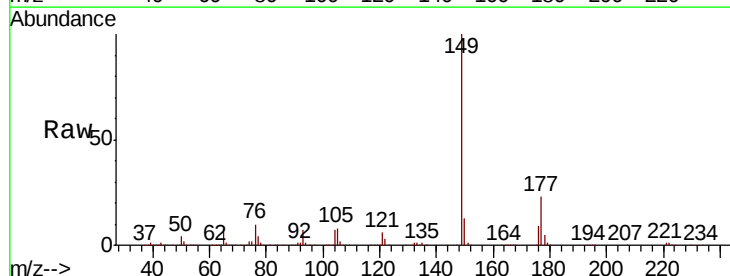
Manual Integrations  
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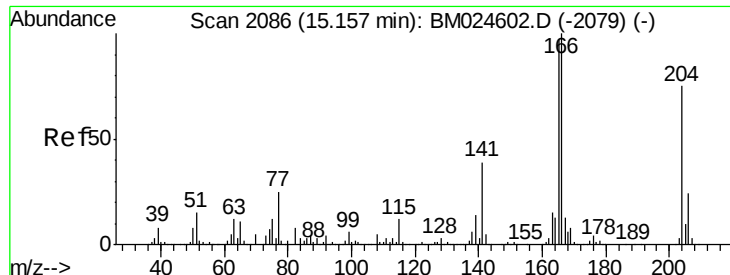
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#60  
Diethylphthalate  
Concen: 41.504 ng  
RT: 14.93 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1782160 |       |       |
| 177     | 23.4  |         | 18.0  | 27.0  |
| 150     | 12.5  |         | 10.2  | 15.4  |





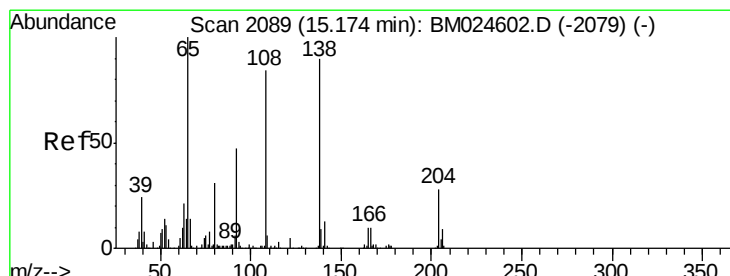
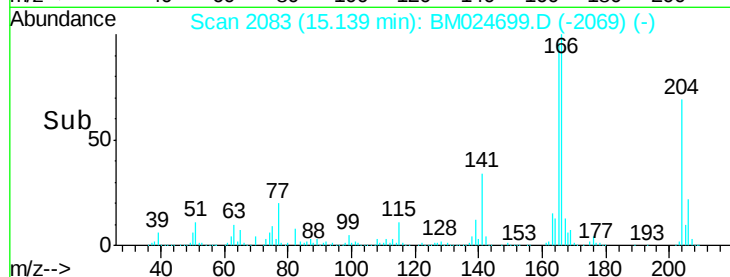
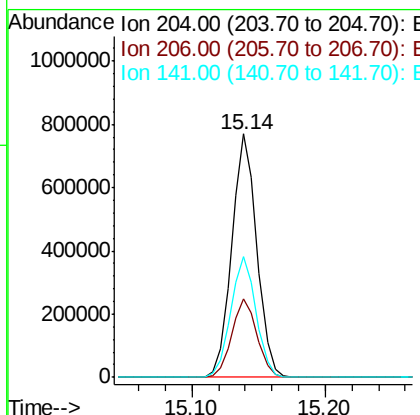
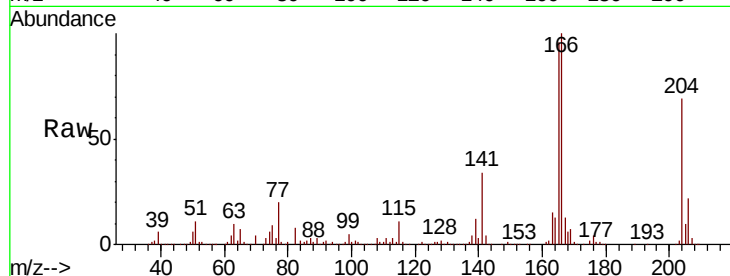
#61  
 4-Chlorophenyl-phenylether  
 Concen: 42.797 ng  
 RT: 15.14 min Scan# 2083  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

Tot Ion:204 Resp: 1003845  
 Ion Ratio Lower Upper  
 204 100  
 206 32.5 26.2 39.2  
 141 49.8 42.2 63.2

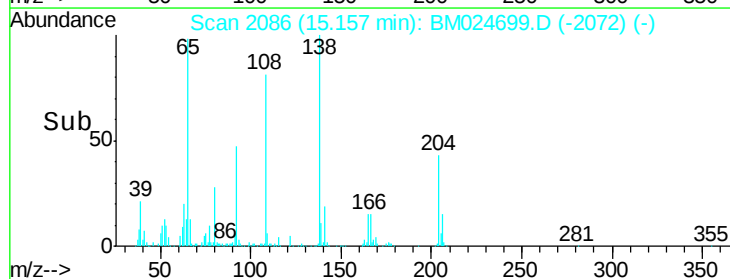
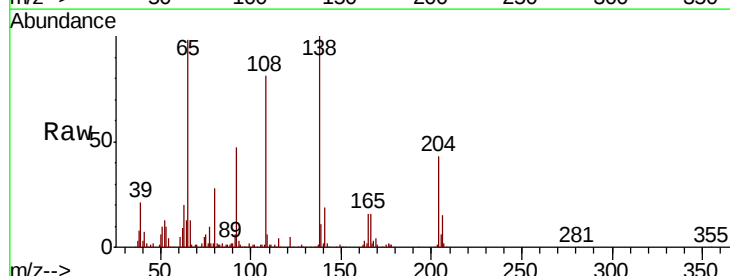
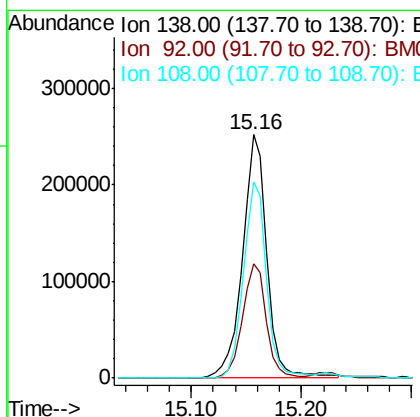
Manual Integrations  
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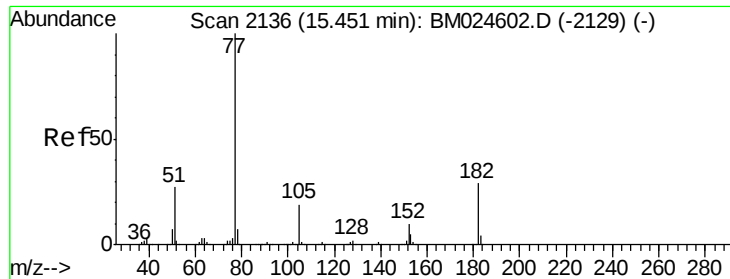
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#62  
 4-Nitroaniline  
 Concen: 38.042 ng  
 RT: 15.16 min Scan# 2086  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Tgt Ion:138 Resp: 391631  
 Ion Ratio Lower Upper  
 138 100  
 92 46.8 32.4 72.4  
 108 80.6 73.3 113.3





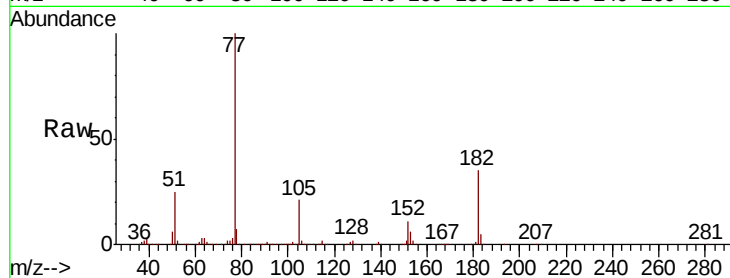
#63  
Azobenzene  
Concen: 38.165 ng  
RT: 15.43 min Scan# 2133  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 34.7  | 8.7   | 48.7  |
| 105     | 21.4  | 0.0   | 39.2  |
| 51      | 25.2  | 7.5   | 47.5  |

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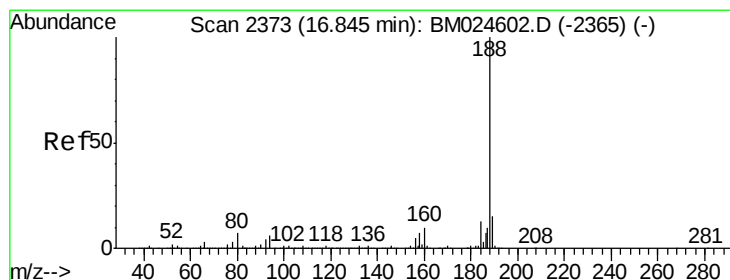
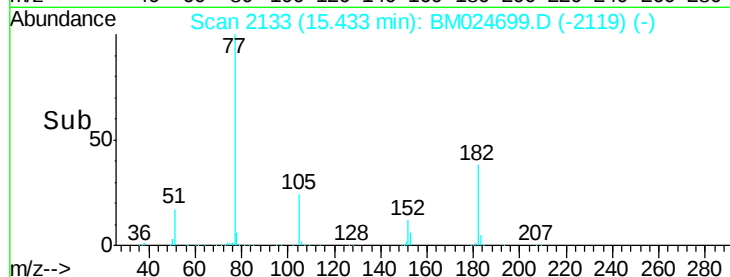
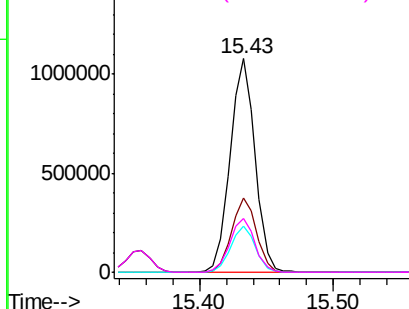


Abundance Ion 77.00 (76.70 to 77.70): BM024699.D (-2119) (-)

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM024699.D (-2119) (-)



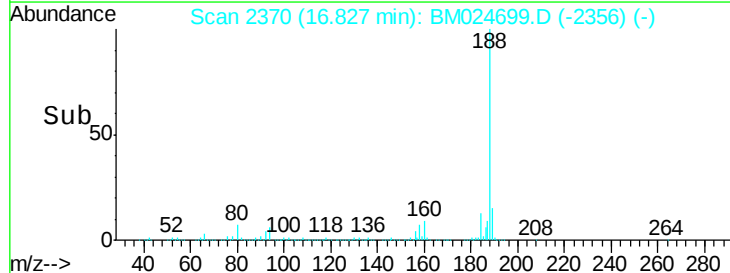
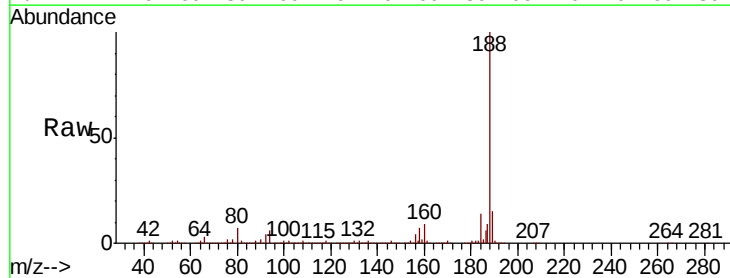
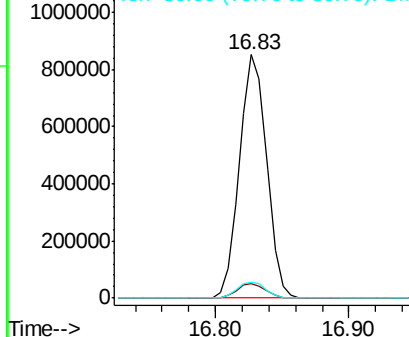
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.83 min Scan# 2370  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

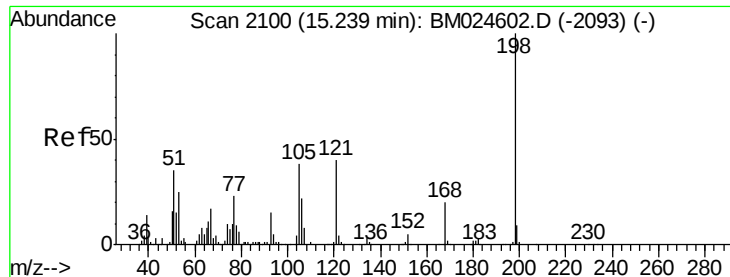
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.2   | 5.0   | 7.6   |
| 80      | 6.7   | 5.8   | 8.8   |

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM024699.D (-2356) (-)

Ion 80.00 (79.70 to 80.70): BM024699.D (-2356) (-)





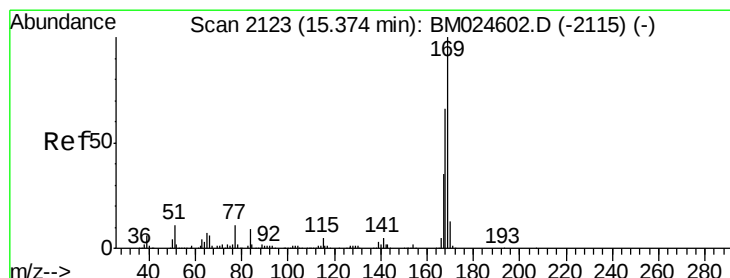
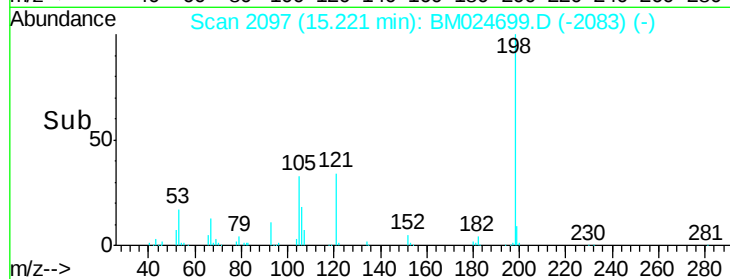
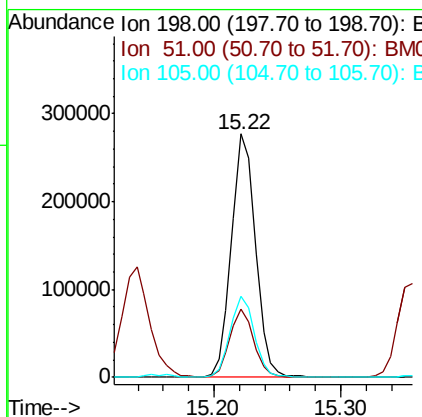
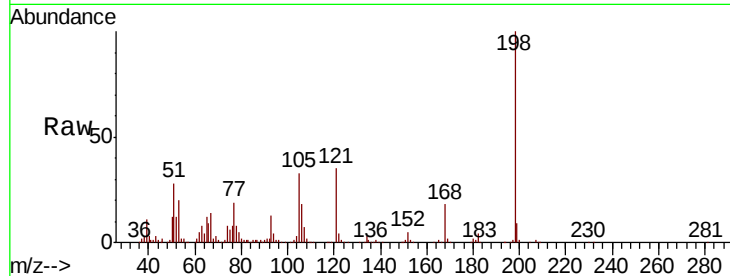
#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.661 ng  
RT: 15.22 min Scan# 2097  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 365296 |       |       |
| 51      | 28.0  |        | 15.8  | 55.8  |
| 105     | 33.3  |        | 18.5  | 58.5  |

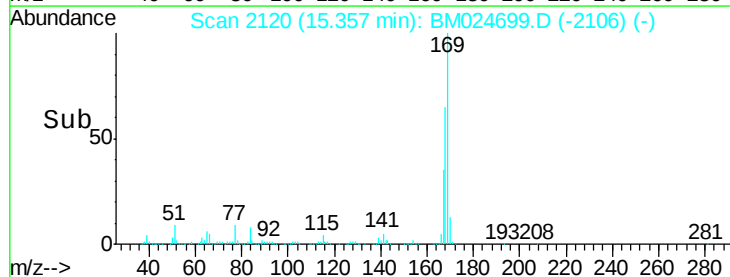
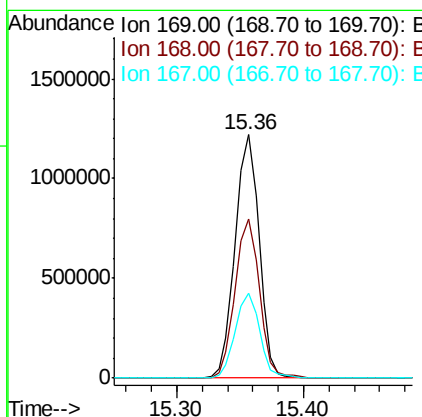
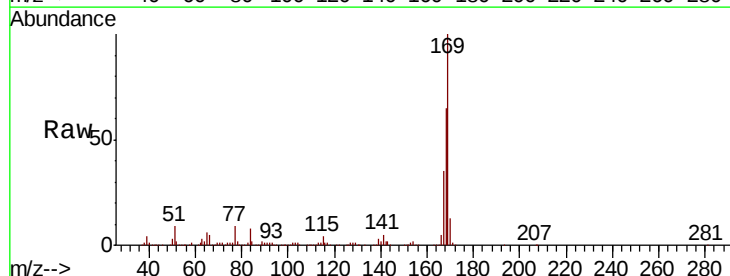
Manual Integrations  
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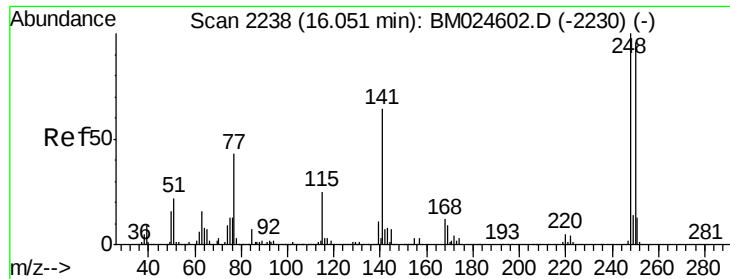
mohammad  
2/4/2020 6:12:23 PM



#66  
n-Nitrosodiphenylamine  
Concen: 46.331 ng  
RT: 15.36 min Scan# 2120  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1600487 |       |       |
| 168     | 65.2  |         | 52.8  | 79.2  |
| 167     | 35.1  |         | 28.2  | 42.2  |





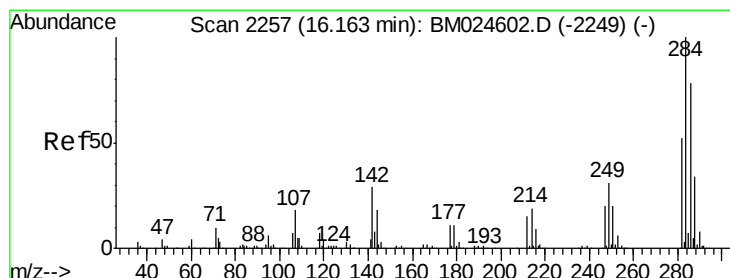
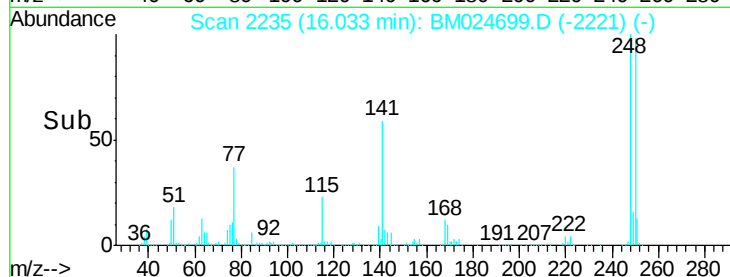
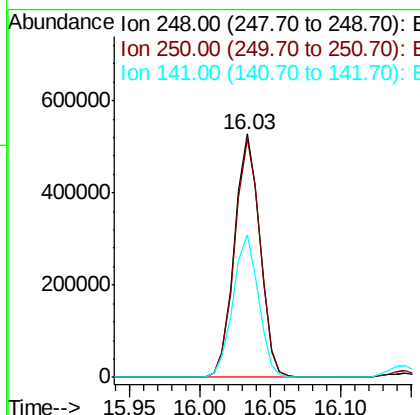
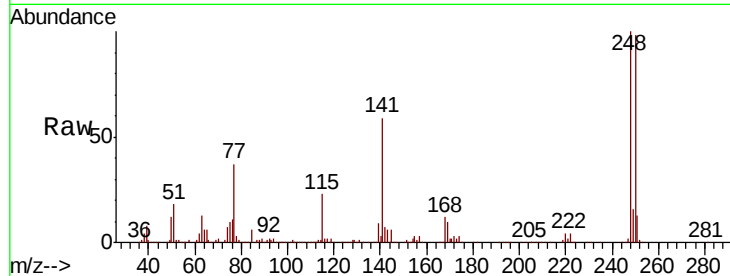
#67  
4-Bromophenyl-phenylether  
Concen: 44.450 ng  
RT: 16.03 min Scan# 2235  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.8  | 77.0  | 115.6 |
| 141     | 58.7  | 50.9  | 76.3  |

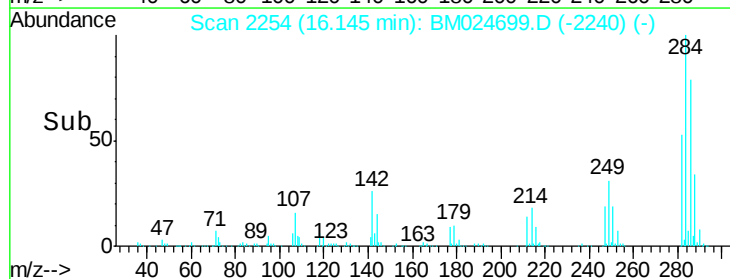
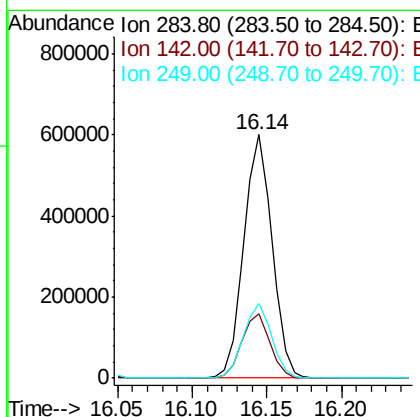
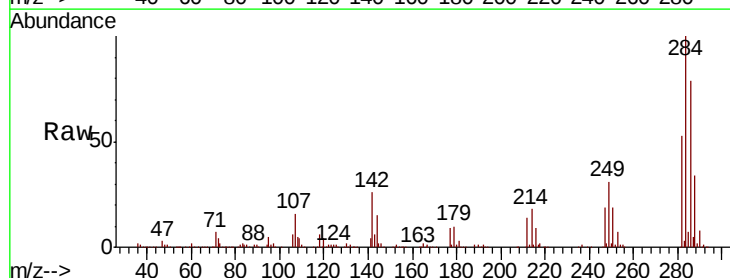
Manual Integrations  
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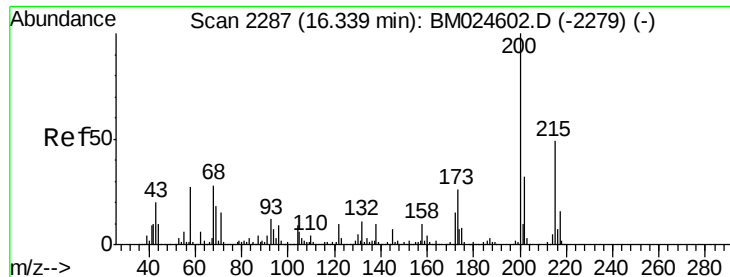
mohammad  
2/4/2020 6:12:23 PM



#68  
Hexachlorobenzene  
Concen: 45.720 ng  
RT: 16.14 min Scan# 2254  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 26.2  | 23.5  | 35.3  |
| 249     | 30.6  | 24.6  | 36.8  |





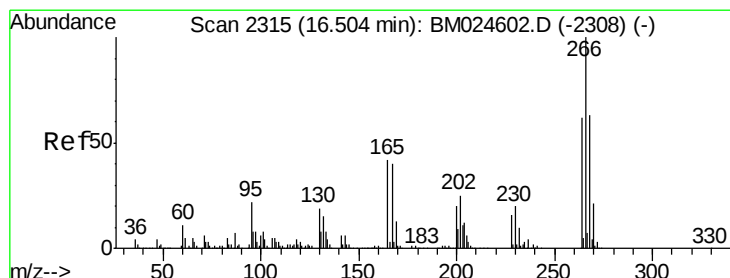
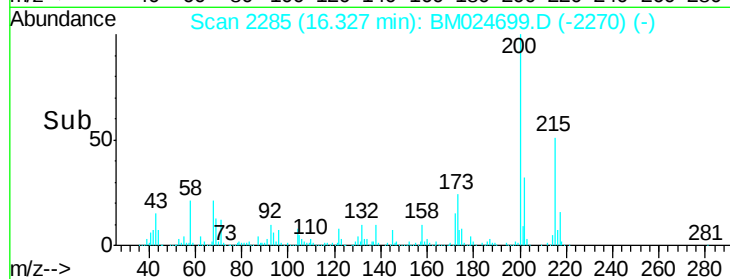
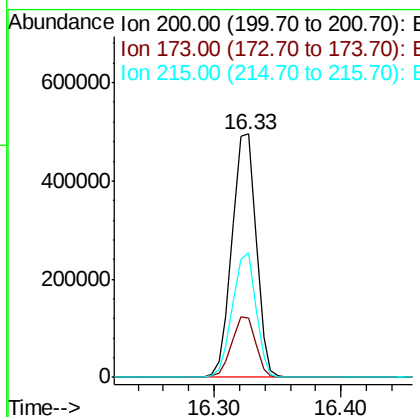
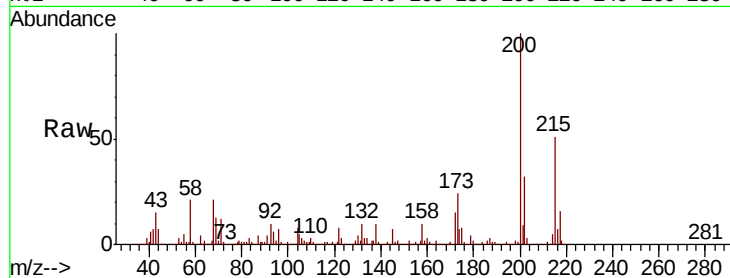
#69  
Atrazine  
Concen: 49.104 ng  
RT: 16.33 min Scan# 2285  
Delta R.T. -0.01 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.4  | 5.5   | 45.5  |
| 215     | 51.0  | 29.4  | 69.4  |

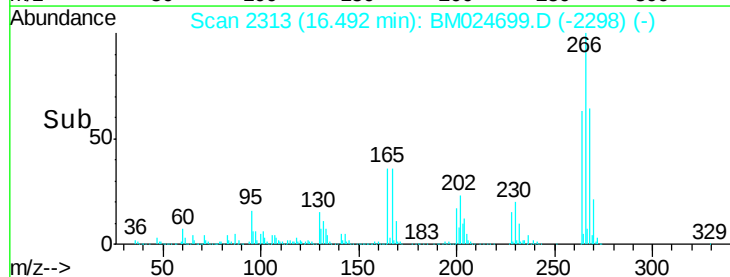
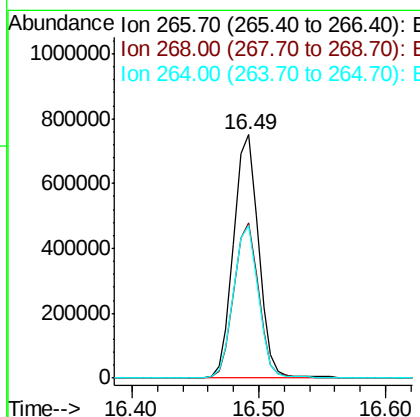
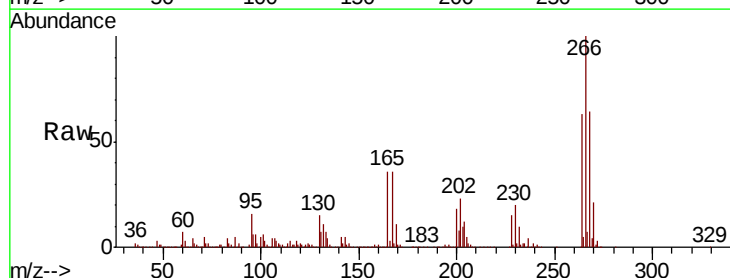
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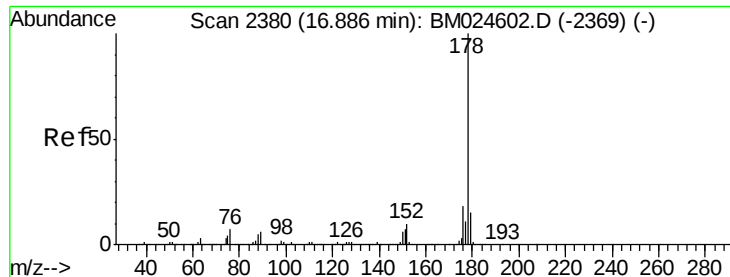
mohammad  
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#70  
Pentachlorophenol  
Concen: 98.265 ng  
RT: 16.49 min Scan# 2313  
Delta R.T. -0.01 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 50.4  | 75.6  |
| 264     | 62.6  | 49.9  | 74.9  |





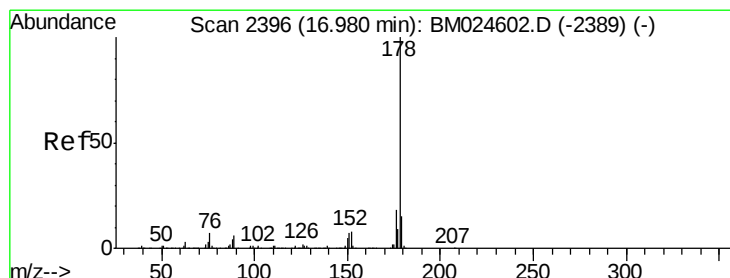
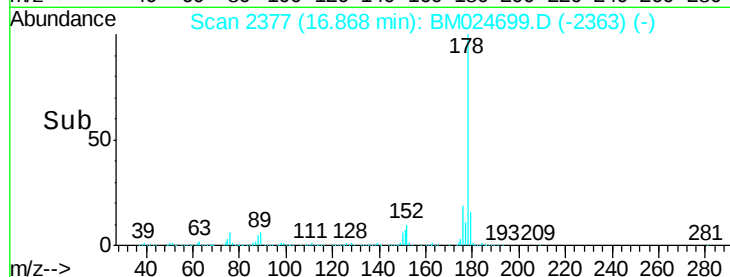
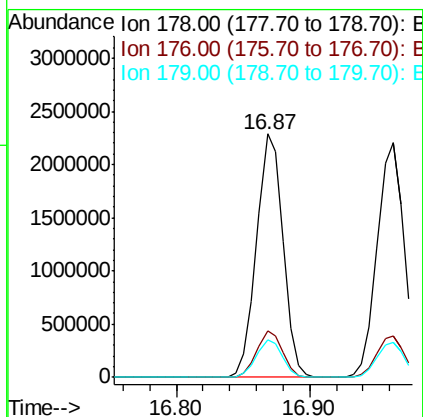
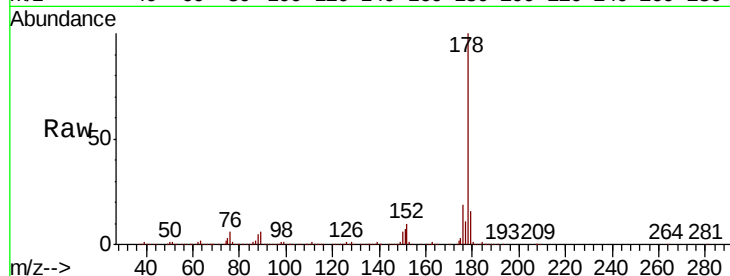
#71  
Phenanthrene  
Concen: 47.730 ng  
RT: 16.87 min Scan# 2377  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

Instrument :  
BNA\_M  
ClientSampleId :  
NW-SPMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 14.5  | 21.7  |
| 179     | 15.7  | 11.9  | 17.9  |

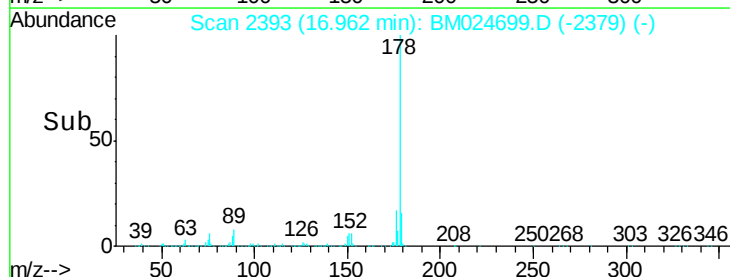
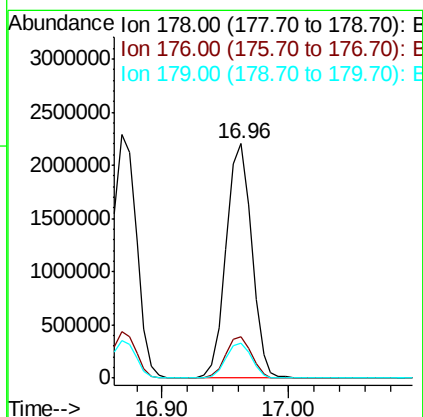
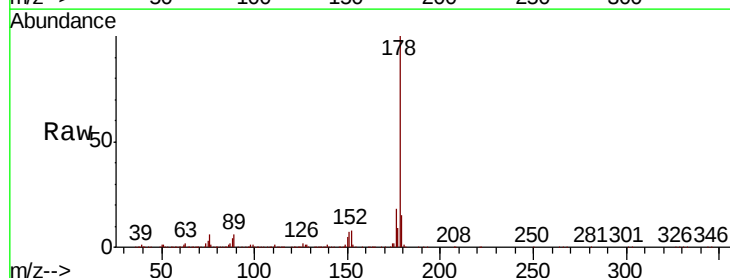
Manual Integrations  
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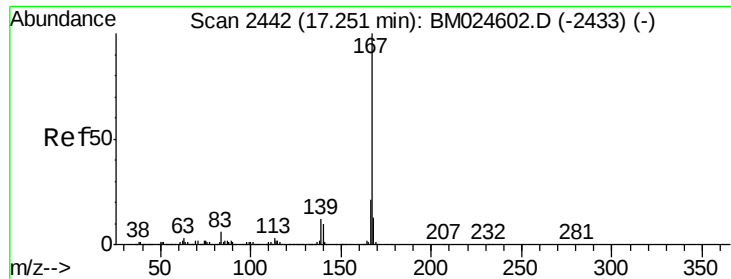
mohammad  
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#72  
Anthracene  
Concen: 48.043 ng  
RT: 16.96 min Scan# 2393  
Delta R.T. -0.02 min  
Lab File: BM024699.D  
Acq: 03 Feb 2020 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.6  | 14.3  | 21.5  |
| 179     | 15.0  | 12.1  | 18.1  |





#73  
 Carbazole  
 Concen: 45.767 ng  
 RT: 17.23 min Scan# 2439  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

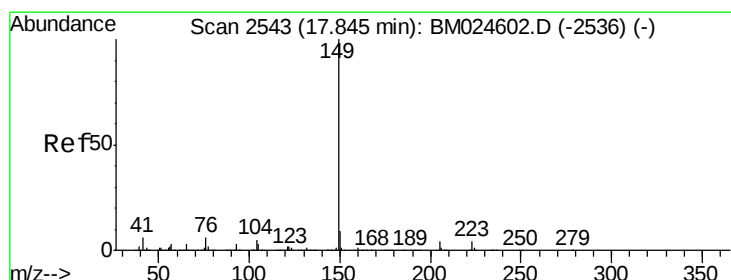
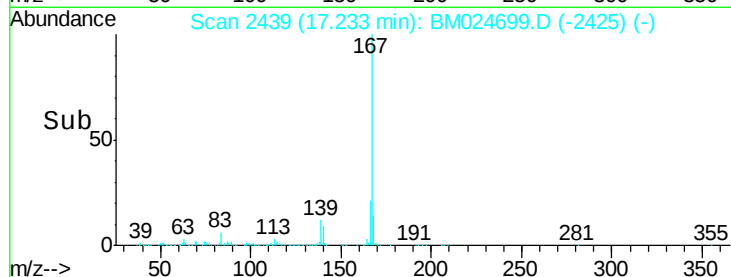
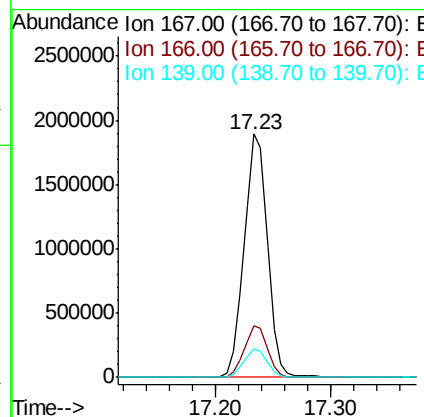
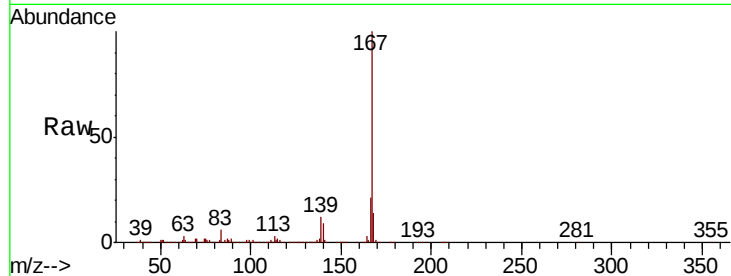
Instrument :  
 BNA\_M  
 ClientSampleId :  
 NW-SPMS

Tot Ion:167 Resp: 2654873  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.1  | 17.1  | 25.7  |
| 139 | 11.9  | 9.8   | 14.8  |

Manual Integrations  
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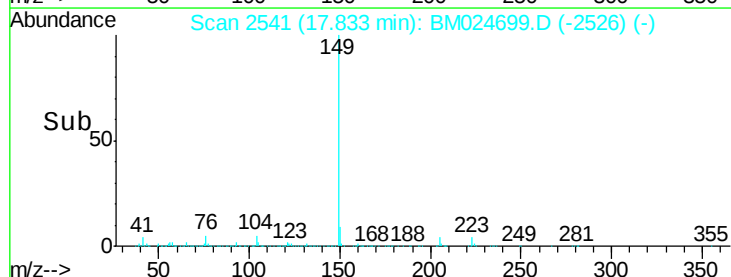
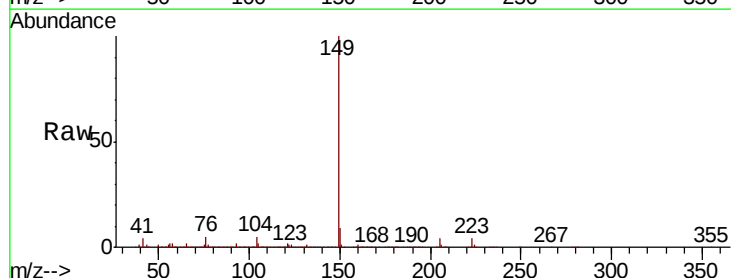
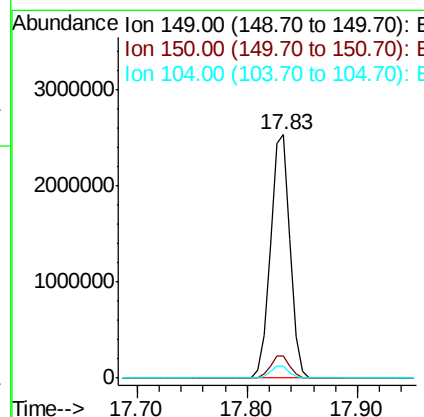
mohammad  
 2/4/2020 6:12:23 PM

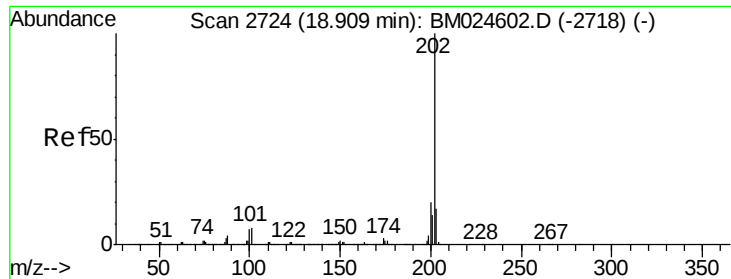


#74  
 Di-n-butylphthalate  
 Concen: 42.026 ng  
 RT: 17.83 min Scan# 2541  
 Delta R.T. -0.01 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Tgt Ion:149 Resp: 3116589  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.0   | 7.4   | 11.0  |
| 104 | 4.7   | 4.3   | 6.5   |





#75

Fluoranthene

Concen: 51.371 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

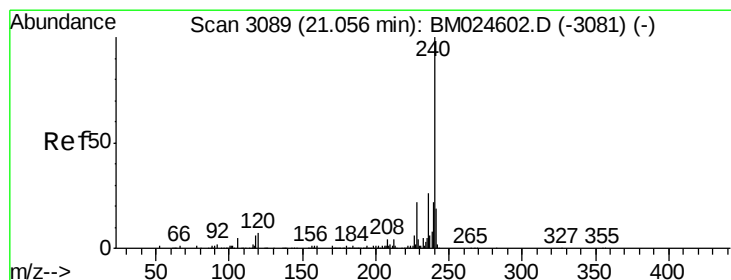
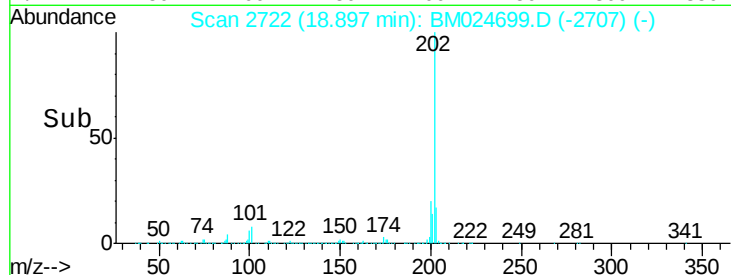
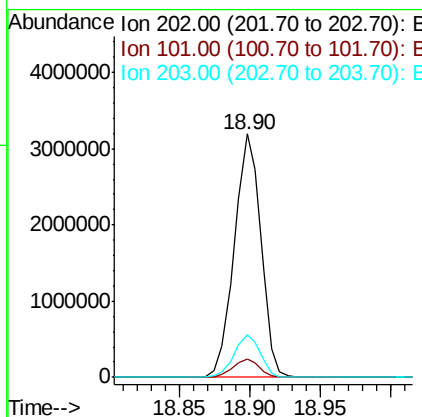
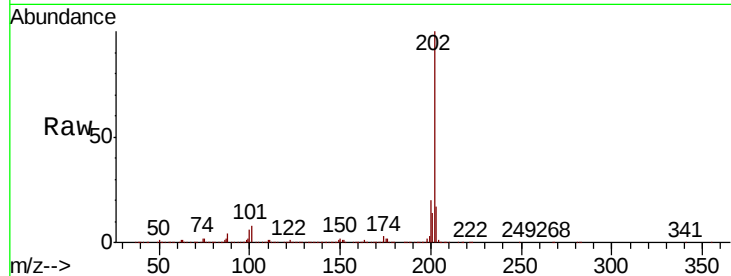
ClientSampleId :

NW-SPMS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 4175474 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 7.5   | 0.0   | 28.4    |
| 203      | 17.4  | 0.0   | 37.5    |

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#76

Chrysene-d12

Concen: 20.000 ng

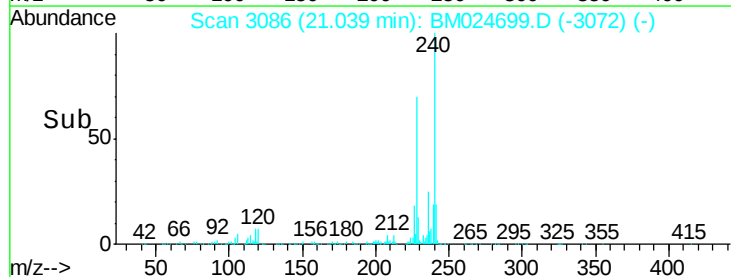
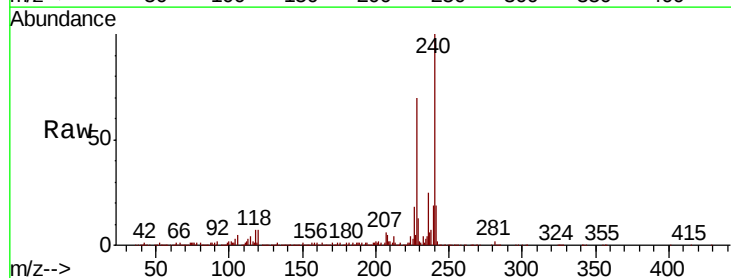
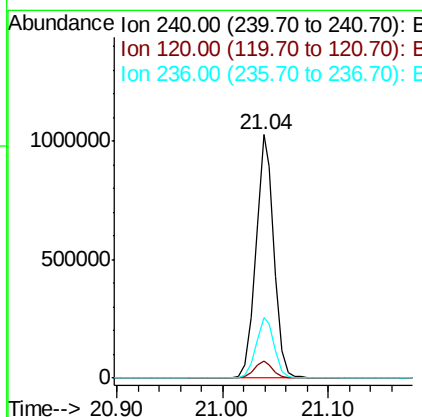
RT: 21.04 min Scan# 3086

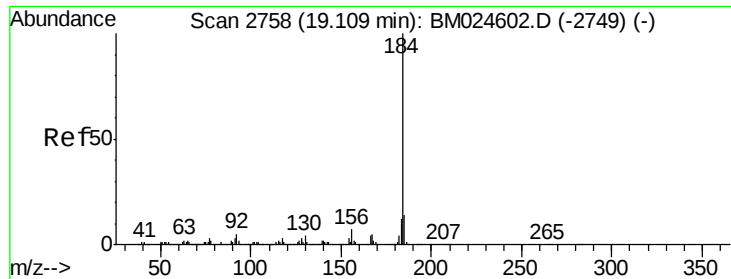
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 240   | Resp: | 1229555 |
| Ion      | Ratio | Lower | Upper   |
| 240      | 100   |       |         |
| 120      | 7.1   | 5.3   | 7.9     |
| 236      | 25.0  | 20.6  | 31.0    |





#77

Benzidine

Concen: 67.218 ng

RT: 19.10 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:184 Resp: 1924781

Ion Ratio Lower Upper

184 100

185 13.7 11.3 16.9

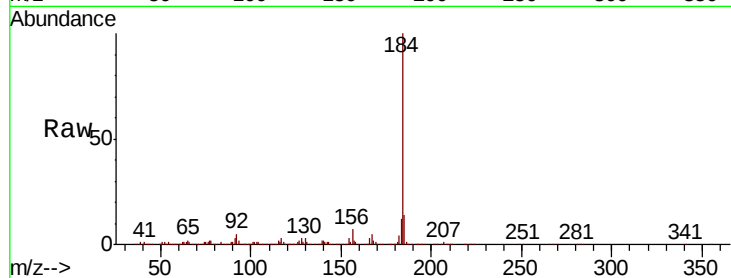
183 11.5 9.6 14.4

Manual Integrations

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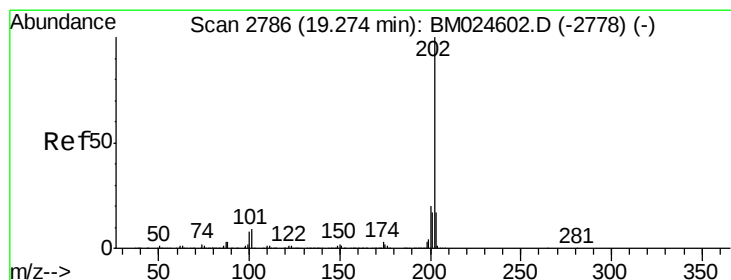
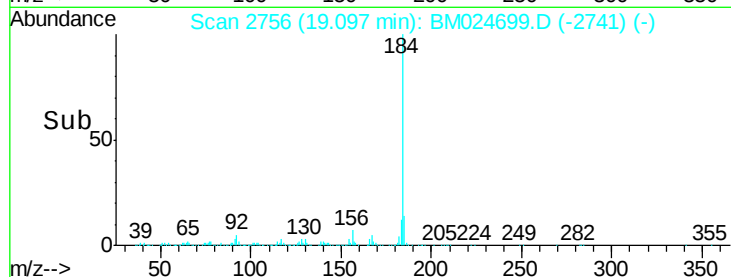
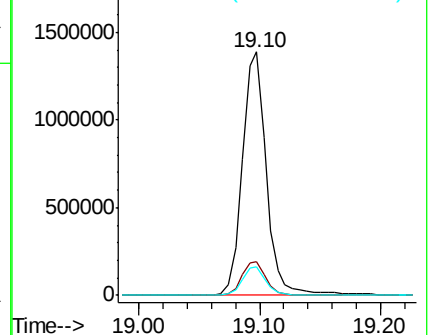
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.255 ng

RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

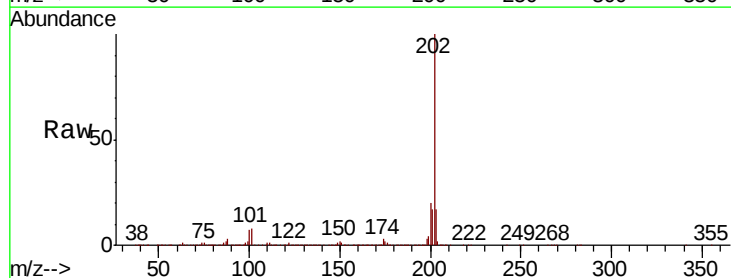
Tgt Ion:202 Resp: 4154597

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

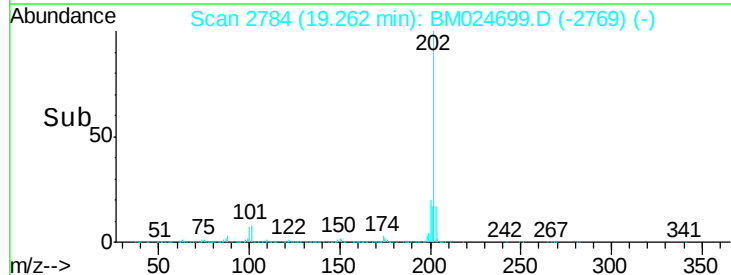
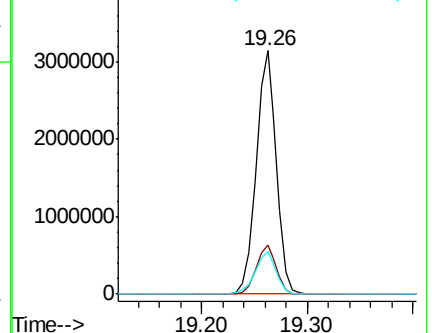
203 17.4 14.0 21.0

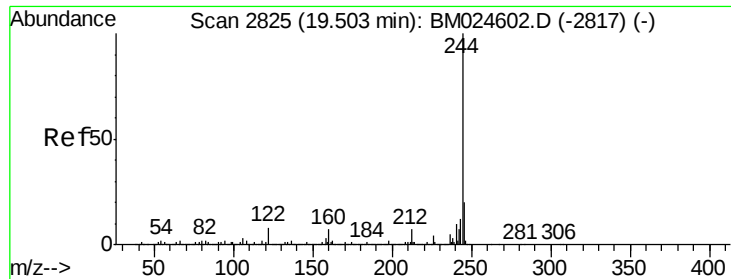


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





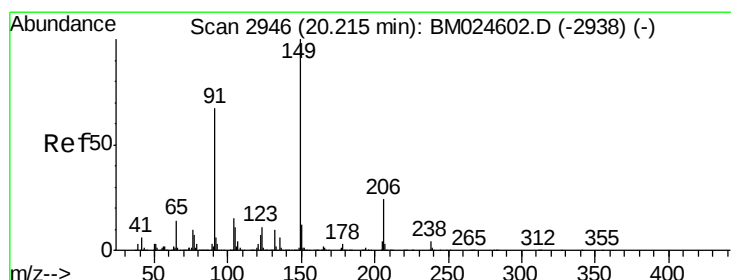
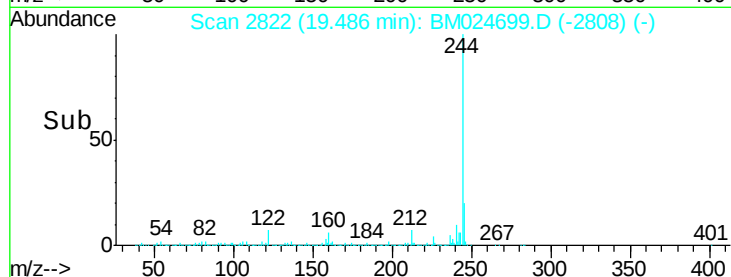
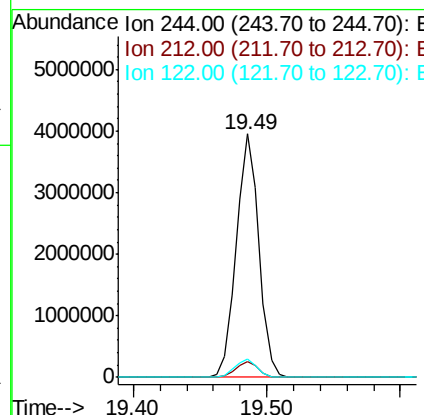
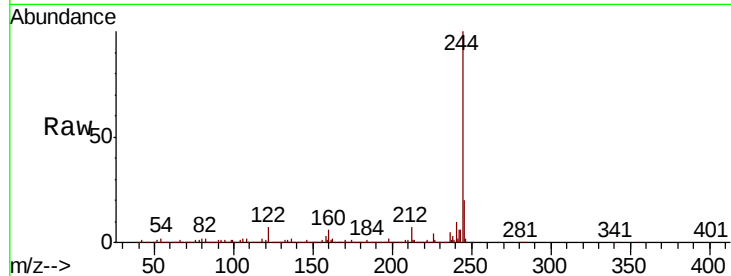
#79  
 Terphenyl-d14  
 Concen: 70.932 ng  
 RT: 19.49 min Scan# 2822  
 Delta R.T. -0.02 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Instrument :  
 BNA\_M  
 ClientSampled :  
 NW-SPMS

Tot Ion:244 Resp: 4671599  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.2  
 122 7.3 6.2 9.4

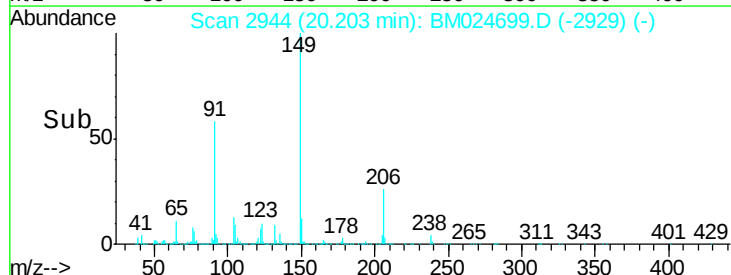
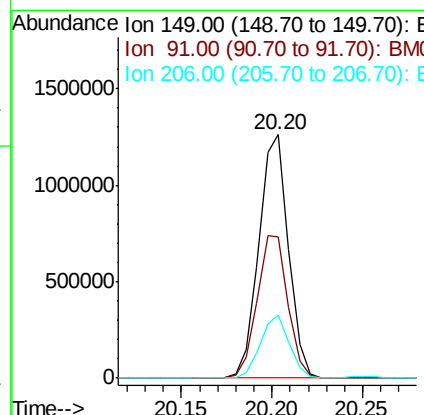
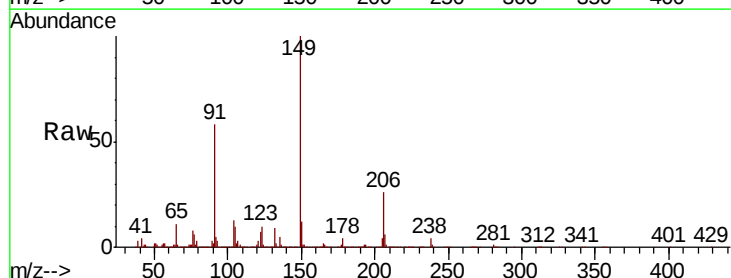
Manual Integrations  
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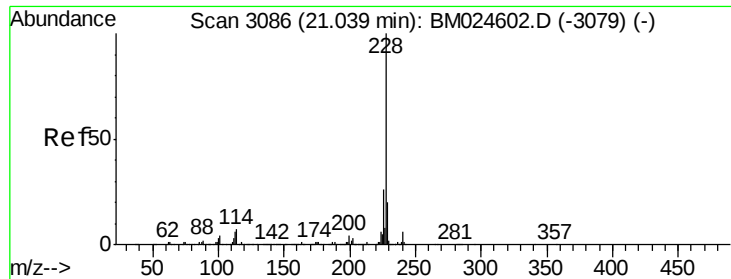
mohammad  
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#80  
 Butylbenzylphthalate  
 Concen: 42.022 ng  
 RT: 20.20 min Scan# 2944  
 Delta R.T. -0.01 min  
 Lab File: BM024699.D  
 Acq: 03 Feb 2020 15:11

Tgt Ion:149 Resp: 1429275  
 Ion Ratio Lower Upper  
 149 100  
 91 58.1 53.9 80.9  
 206 25.8 19.0 28.6





#81

Benzo(a)anthracene

Concen: 46.289 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:228 Resp: 3950198

Ion Ratio Lower Upper

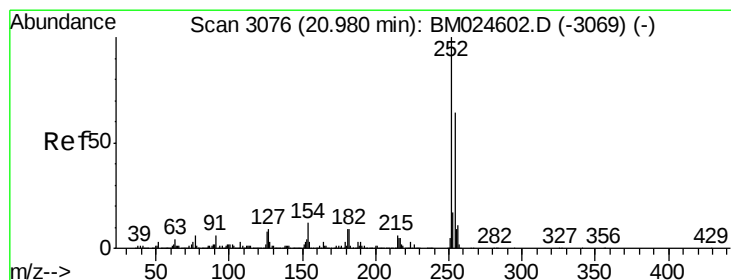
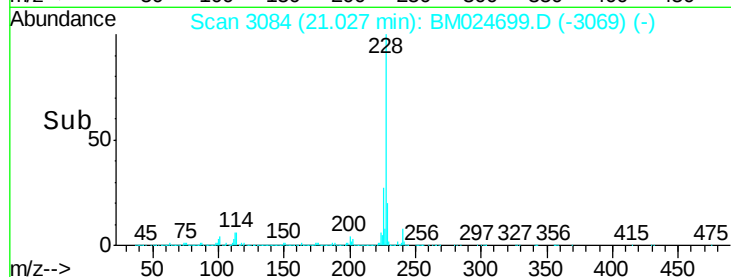
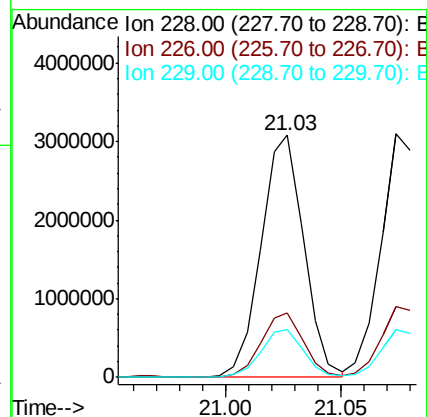
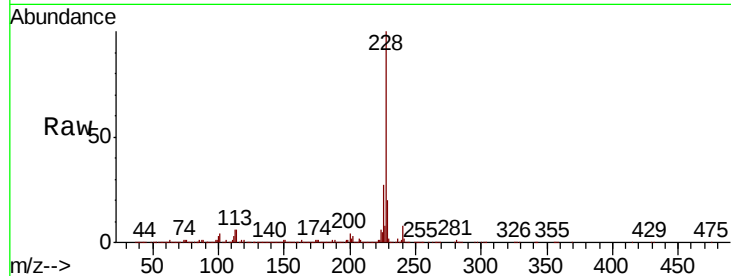
228 100

226 26.6 21.1 31.7

229 19.7 15.8 23.6

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#82

3,3'-Dichlorobenzidine

Concen: 38.220 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

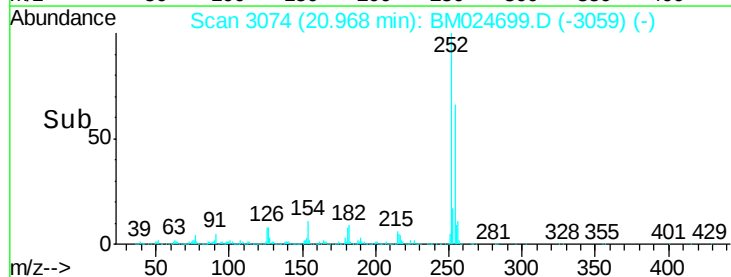
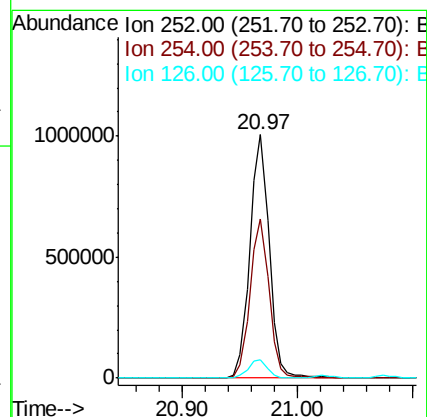
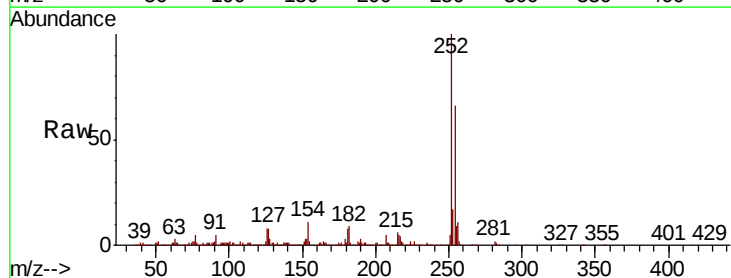
Tgt Ion:252 Resp: 1173282

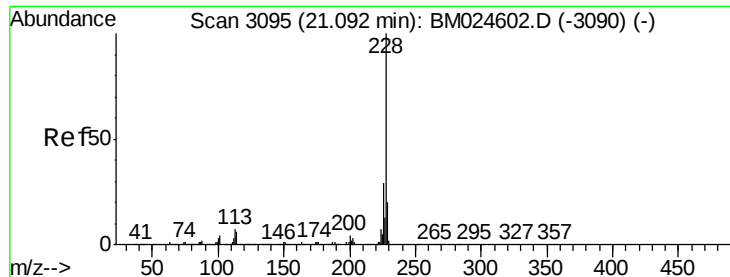
Ion Ratio Lower Upper

252 100

254 65.6 51.5 77.3

126 7.6 6.7 10.1





#83

Chrysene

Concen: 46.427 ng

RT: 21.07 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:228 Resp: 3780586

Ion Ratio Lower Upper

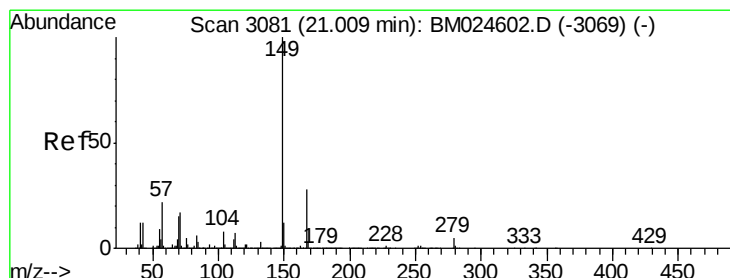
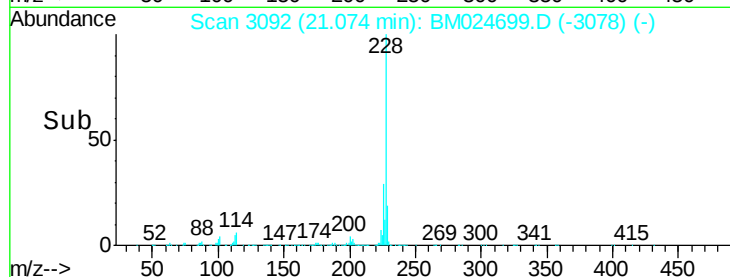
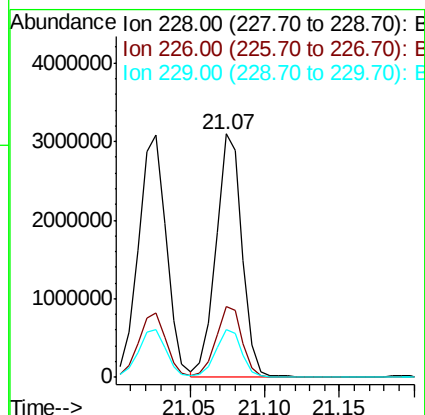
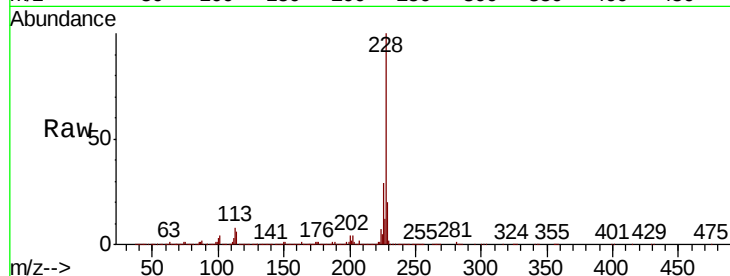
228 100

226 29.2 23.2 34.8

229 19.8 15.7 23.5

Manual Integrations  
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#84

Bis(2-ethylhexyl)phthalate

Concen: 41.943 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

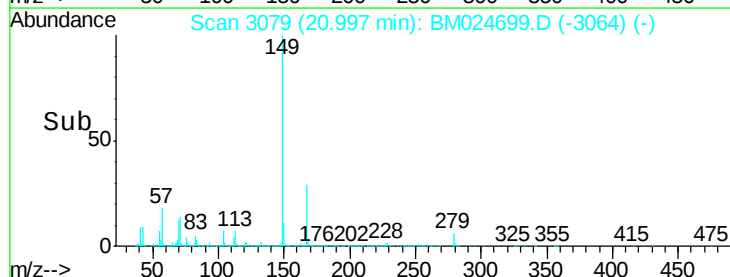
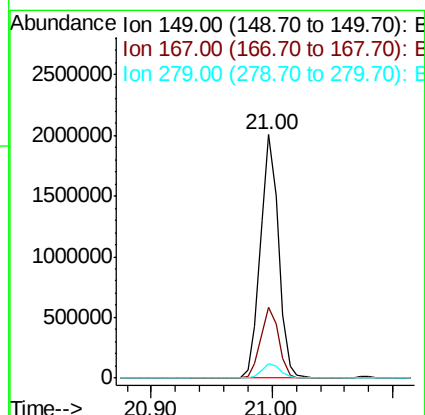
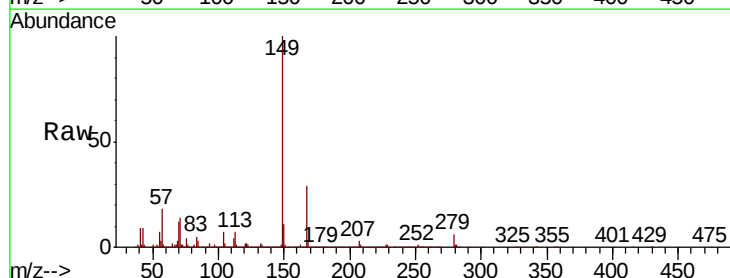
Tgt Ion:149 Resp: 2104939

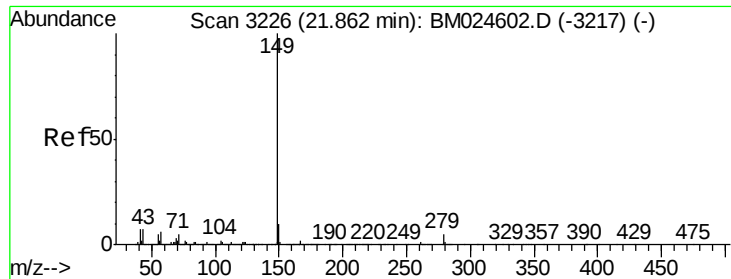
Ion Ratio Lower Upper

149 100

167 29.3 22.5 33.7

279 5.8 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 43.493 ng

RT: 21.85 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

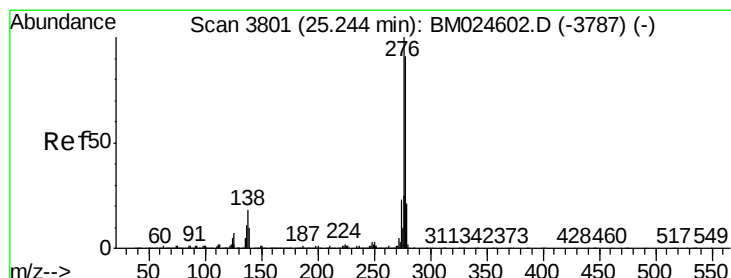
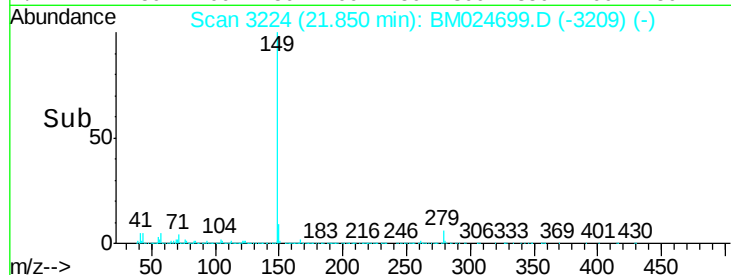
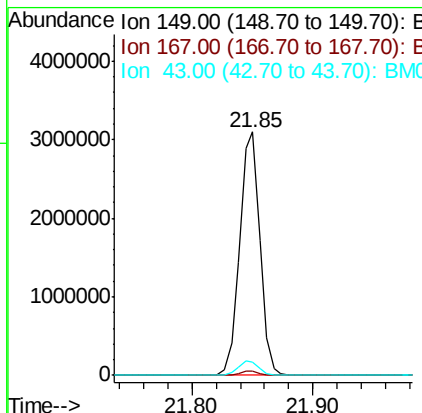
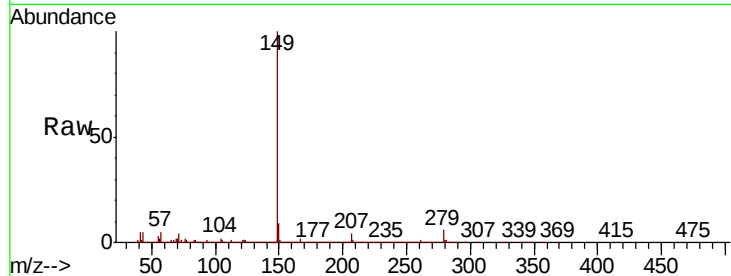
ClientSampleId :

NW-SPMS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 149   | Resp: | 3606128 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.6   | 1.3   | 1.9     |
| 43        | 5.7   | 5.8   | 8.6#    |

Manual Integrations  
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#86

Indeno(1,2,3-cd)pyrene

Concen: 53.272 ng

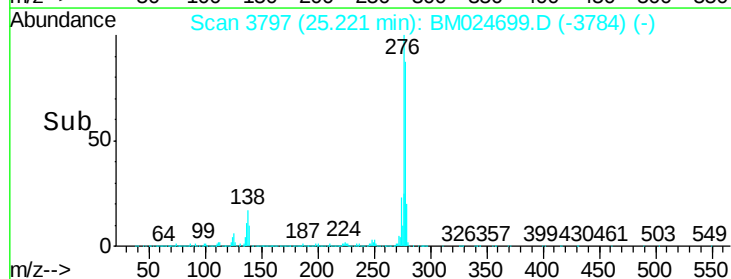
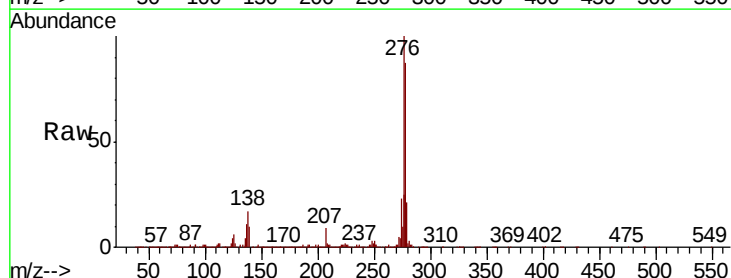
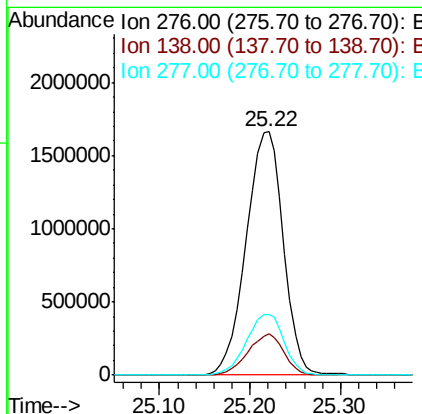
RT: 25.22 min Scan# 3797

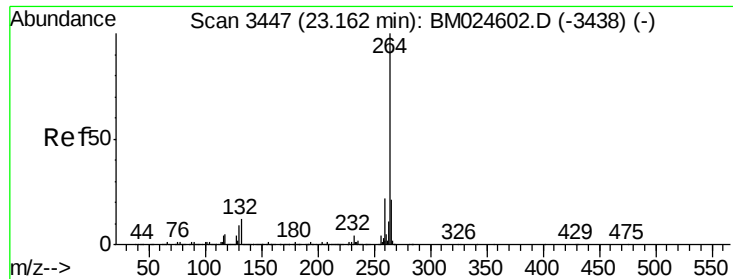
Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 276   | Resp: | 4728057 |
| Ion Ratio | Lower | Upper |         |
| 276       | 100   |       |         |
| 138       | 16.5  | 13.4  | 20.0    |
| 277       | 25.1  | 19.6  | 29.4    |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.14 min Scan# 3444

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:264 Resp: 1412046

Ion Ratio Lower Upper

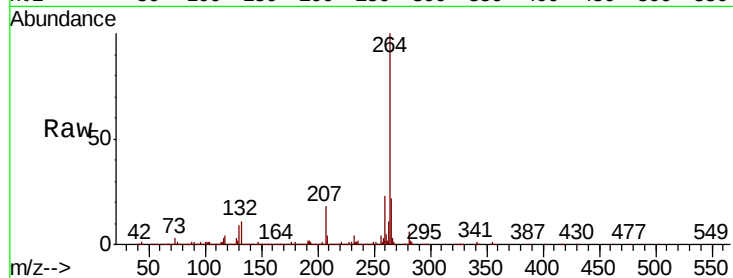
264 100

260 23.3 17.9 26.9

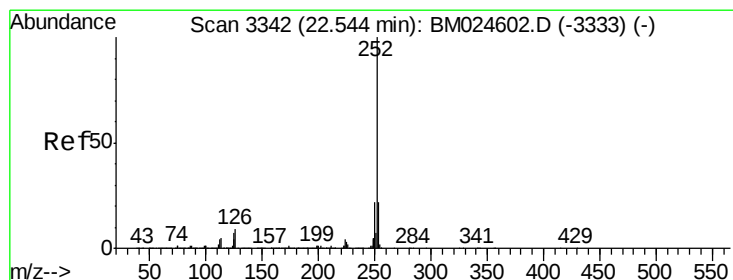
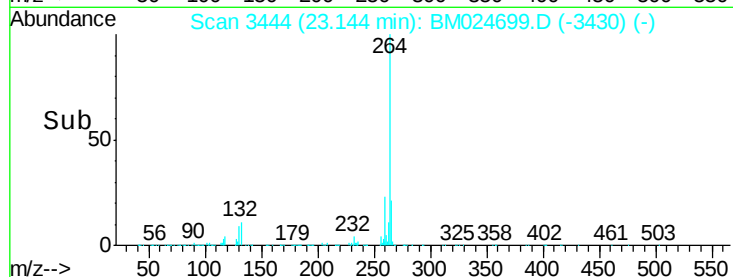
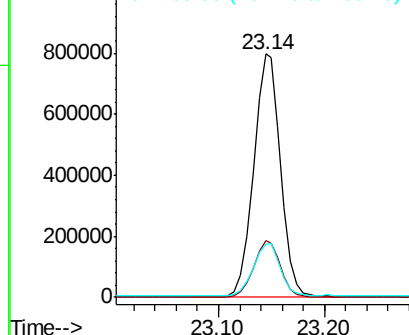
265 21.9 17.3 25.9

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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 46.201 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

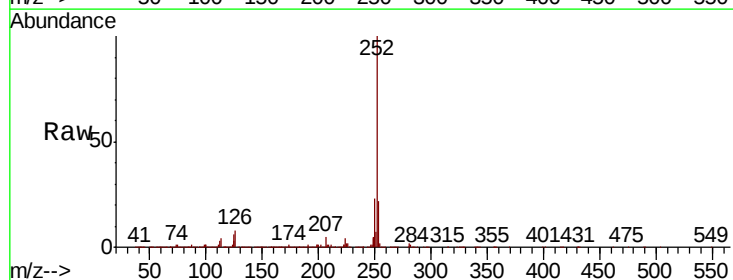
Tgt Ion:252 Resp: 4231219

Ion Ratio Lower Upper

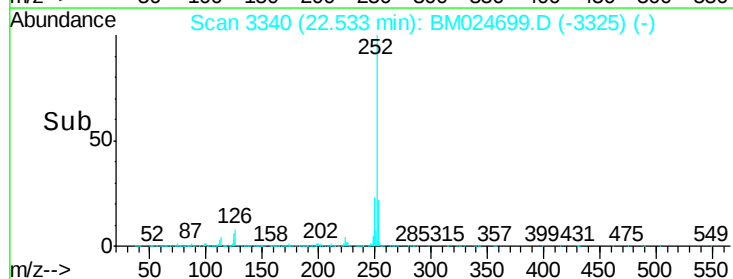
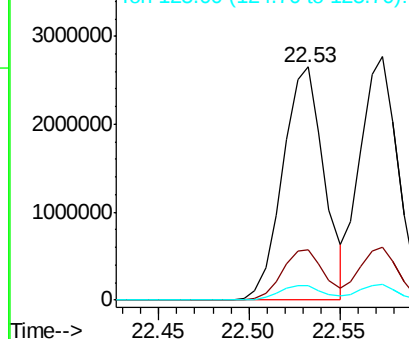
252 100

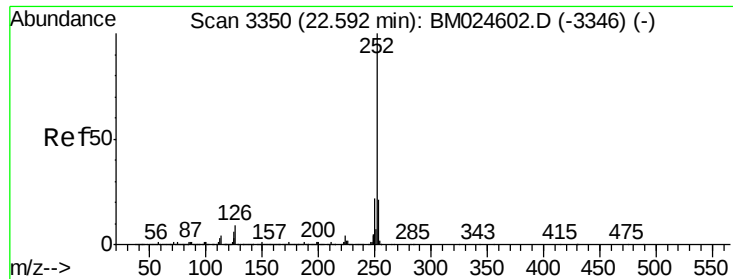
253 21.7 17.6 26.4

125 6.1 5.7 8.5



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 44.825 ng

RT: 22.57 min Scan# 3347

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:252 Resp: 4006988

Ion Ratio Lower Upper

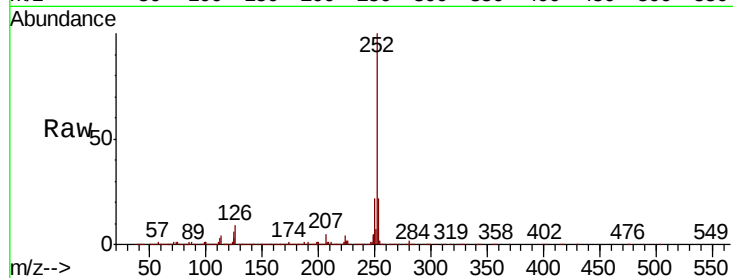
252 100

253 21.8 17.3 25.9

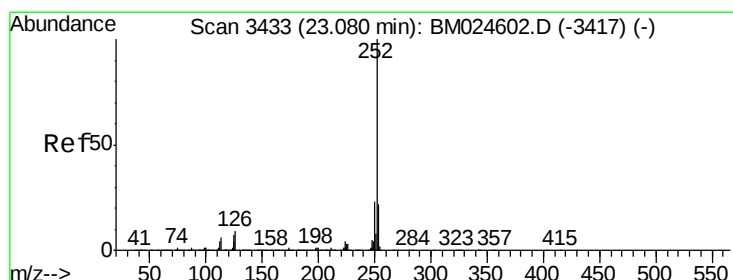
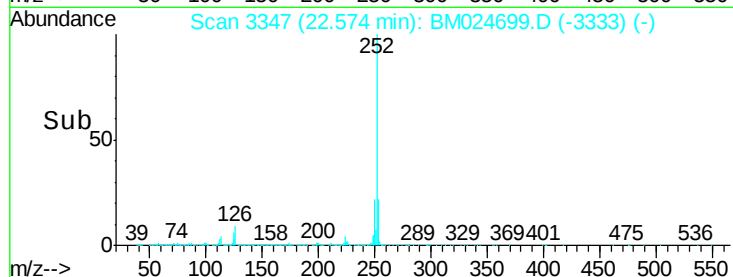
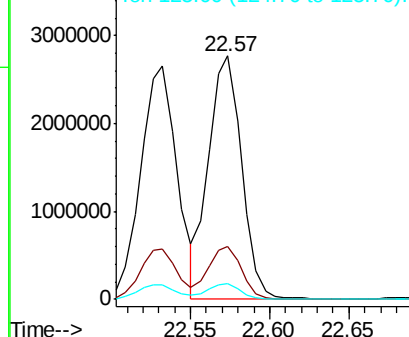
125 6.3 5.2 7.8

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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 45.728 ng

RT: 23.06 min Scan# 3430

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

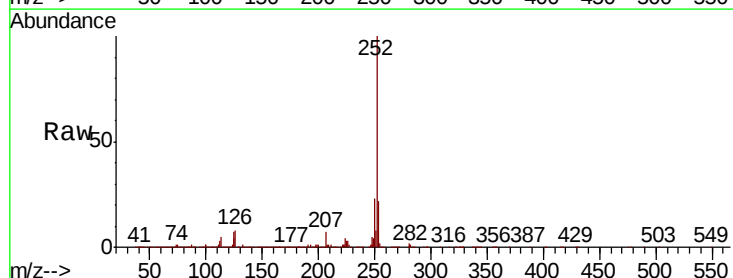
Tgt Ion:252 Resp: 3807545

Ion Ratio Lower Upper

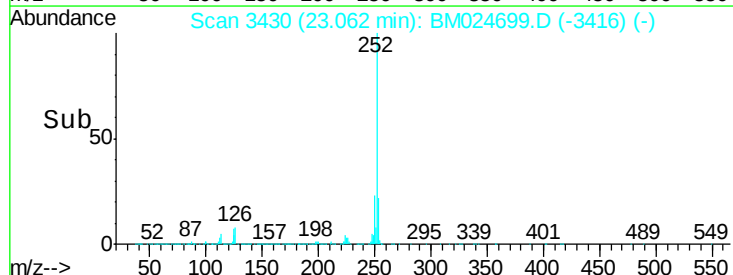
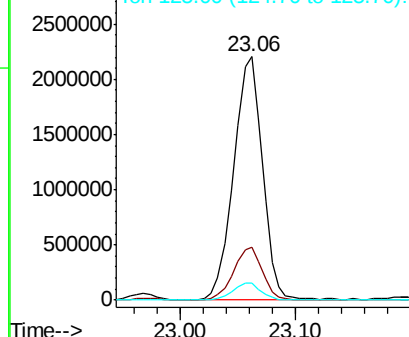
252 100

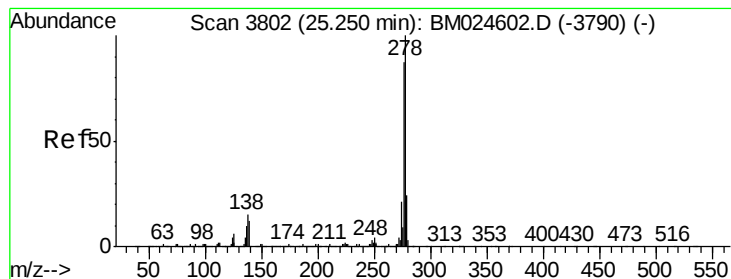
253 21.7 17.3 25.9

125 6.9 5.8 8.8



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 50.042 ng

RT: 25.23 min Scan# 3798

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

Instrument :

BNA\_M

ClientSampleId :

NW-SPMS

Tot Ion:278 Resp: 3954761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 10.6  | 9.3   | 13.9  |
| 279 | 23.7  | 18.9  | 28.3  |

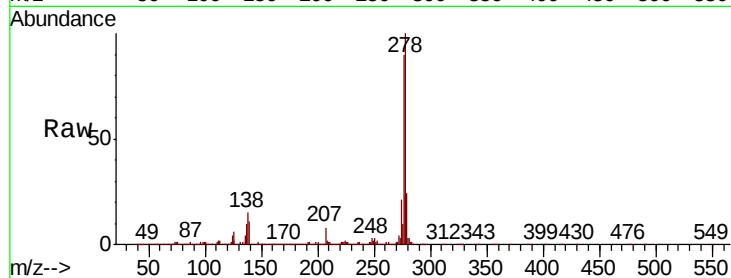
278 100

139 10.6 9.3 13.9

279 23.7 18.9 28.3

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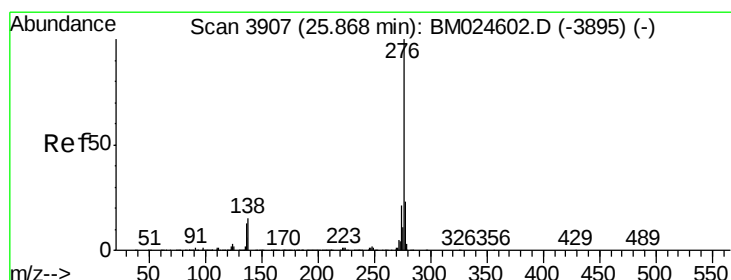
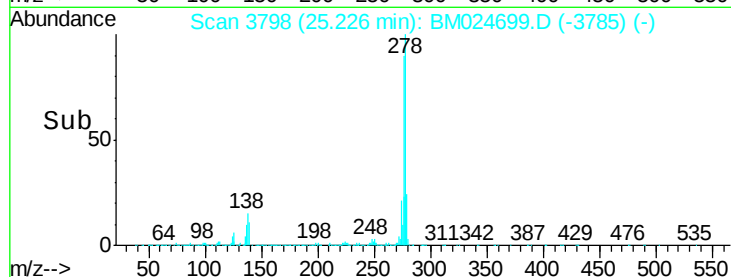
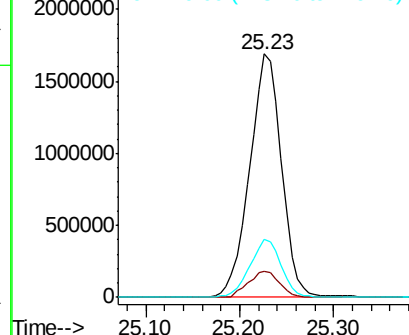


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 54.873 ng

RT: 25.84 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM024699.D

Acq: 03 Feb 2020 15:11

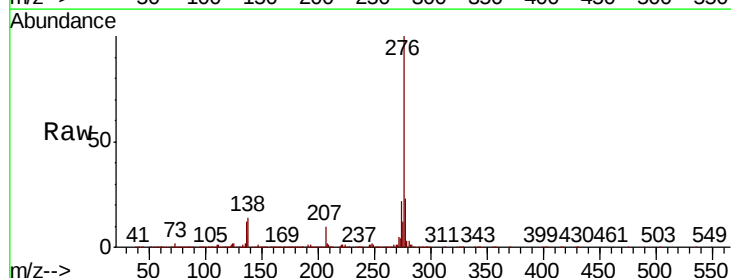
Tgt Ion:276 Resp: 3937682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.4  | 18.6  | 28.0  |
| 138 | 14.1  | 11.9  | 17.9  |

276 100

277 23.4 18.6 28.0

138 14.1 11.9 17.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

