

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031319\  
 Data File : BM019156.D  
 Acq On : 13 Mar 2019 21:19  
 Operator : JU/SJ  
 Sample : K1861-05MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

Manual Integrations  
 APPROVED

Sohil  
 3/14/2019 3:38:06 PM

Quant Time: Mar 14 08:06:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 208298   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.45 | 136  | 922818   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.31 | 164  | 589540   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1334504  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.27 | 240  | 1299861  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.50 | 264  | 1102860  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 2037452 | 158.41 | ng | 0.00 |
| 7) Phenol-d6             | 6.85  | 99  | 3063779 | 162.85 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.83  | 82  | 1867317 | 95.65  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 1387970 | 159.46 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.93 | 172 | 4037081 | 89.07  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.71 | 244 | 6431928 | 98.23  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 206398  | 36.073 | ng | 98     |
| 3) Pyridine                    | 3.62  | 79  | 432774  | 27.801 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.54  | 42  | 198786  | 41.076 | ng | 95     |
| 6) Aniline                     | 7.00  | 93  | 608879  | 25.068 | ng | 98     |
| 8) 2-Chlorophenol              | 7.23  | 128 | 722678  | 46.756 | ng | 98     |
| 9) Benzaldehyde                | 6.82  | 77  | 347234  | 29.343 | ng | 98     |
| 10) Phenol                     | 6.87  | 94  | 1154012 | 56.916 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 659585  | 42.632 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.55  | 146 | 670329  | 40.982 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.69  | 146 | 691939  | 41.493 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 677234  | 41.742 | ng | 99     |
| 15) Benzyl Alcohol             | 7.92  | 79  | 735679  | 47.248 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 658683  | 41.695 | ng | 98     |
| 17) 2-Methylphenol             | 8.11  | 107 | 658781  | 49.861 | ng | 99     |
| 18) Hexachloroethane           | 8.72  | 117 | 254725  | 41.108 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 676279  | 43.816 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.44  | 107 | 909513  | 50.713 | ng | 98     |
| 22) Acetophenone               | 8.49  | 105 | 1097203 | 43.023 | ng | # 99   |
| 24) Nitrobenzene               | 8.87  | 77  | 926407  | 45.628 | ng | 99     |
| 25) Isophorone                 | 9.39  | 82  | 1739533 | 46.697 | ng | 100    |
| 26) 2-Nitrophenol              | 9.57  | 139 | 402298  | 47.802 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 725605  | 57.995 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 1022240 | 46.345 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 747112  | 53.917 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 701862  | 44.920 | ng | 100    |
| 31) Naphthalene                | 10.49 | 128 | 2188910 | 45.003 | ng | 99     |
| 32) Benzoic acid               | 9.80  | 122 | 387111m | 36.533 | ng |        |
| 33) 4-Chloroaniline            | 10.63 | 127 | 252886  | 12.683 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.76 | 225 | 377450  | 42.096 | ng | 99     |
| 35) Caprolactam                | 11.46 | 113 | 260107m | 52.695 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 893965  | 52.286 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 1688972 | 47.785 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 1621979 | 46.557 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 805324  | 43.184 | ng | 99     |

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 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.45 | 237  | 854125   | 101.114 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.74 | 196  | 619979   | 51.444  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.81 | 196  | 658942   | 51.132  | nq    | 99       |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 2240385  | 43.515  | nq    | 100      |
| 47) 2-Chloronaphthalene        | 13.18 | 162  | 1736775  | 45.193  | nq    | 100      |
| 48) 2-Nitroaniline             | 13.41 | 65   | 632516   | 49.076  | nq    | 98       |
| 49) Acenaphthylene             | 14.03 | 152  | 2901754  | 44.656  | nq    | 100      |
| 50) Dimethylphthalate          | 13.79 | 163  | 2638480  | 52.317  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.92 | 165  | 519236   | 47.627  | nq    | 95       |
| 52) Acenaphthene               | 14.38 | 154  | 1672157  | 44.784  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.25 | 138  | 313312   | 27.135  | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 14.46 | 184  | 567801   | 89.681  | nq    | 99       |
| 55) Dibenzofuran               | 14.72 | 168  | 2762931  | 45.885  | nq    | 99       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 899109   | 95.372  | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 746311   | 47.160  | nq    | 98       |
| 58) Fluorene                   | 15.37 | 166  | 2281341  | 45.964  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 601112   | 50.104  | nq    | 100      |
| 60) Diethylphthalate           | 15.15 | 149  | 2442961  | 47.829  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 1122843  | 46.579  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.42 | 138  | 516205   | 44.361  | nq    | 98       |
| 63) Azobenzene                 | 15.66 | 77   | 2570093  | 47.818  | nq    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 385911   | 44.130  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.59 | 169  | 1996947  | 47.002  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 676344   | 45.959  | nq    | 100      |
| 68) Hexachlorobenzene          | 16.36 | 284  | 797301   | 45.571  | nq    | 99       |
| 69) Atrazine                   | 16.54 | 200  | 703400   | 49.183  | nq    | 99       |
| 70) Pentachlorophenol          | 16.72 | 266  | 1002087  | 95.065  | nq    | 99       |
| 71) Phenanthrene               | 17.11 | 178  | 3504862  | 44.808  | nq    | 99       |
| 72) Anthracene                 | 17.20 | 178  | 3622742  | 47.310  | nq    | 99       |
| 73) Carbazole                  | 17.49 | 167  | 3309072  | 45.786  | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 4263146  | 48.780  | nq    | 100      |
| 75) Fluoranthene               | 19.13 | 202  | 4012392  | 44.704  | nq    | 100      |
| 77) Benzidine                  | 19.34 | 184  | 785904   | 21.319  | nq    | 100      |
| 78) Pyrene                     | 19.50 | 202  | 4044538  | 49.178  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 1945221  | 54.303  | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.25 | 228  | 3614471  | 44.323  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 774483   | 24.653  | nq    | 98       |
| 83) Chrysene                   | 21.31 | 228  | 3443331  | 43.646  | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2839047  | 54.477  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 4624440  | 52.697  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 3345051  | 39.388  | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 3223365  | 45.106  | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 22.88 | 252  | 3285209  | 49.981  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 3045264  | 47.418  | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.78 | 278  | 2860405  | 46.561  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.47 | 276  | 2662351  | 47.203  | nq    | 100      |

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

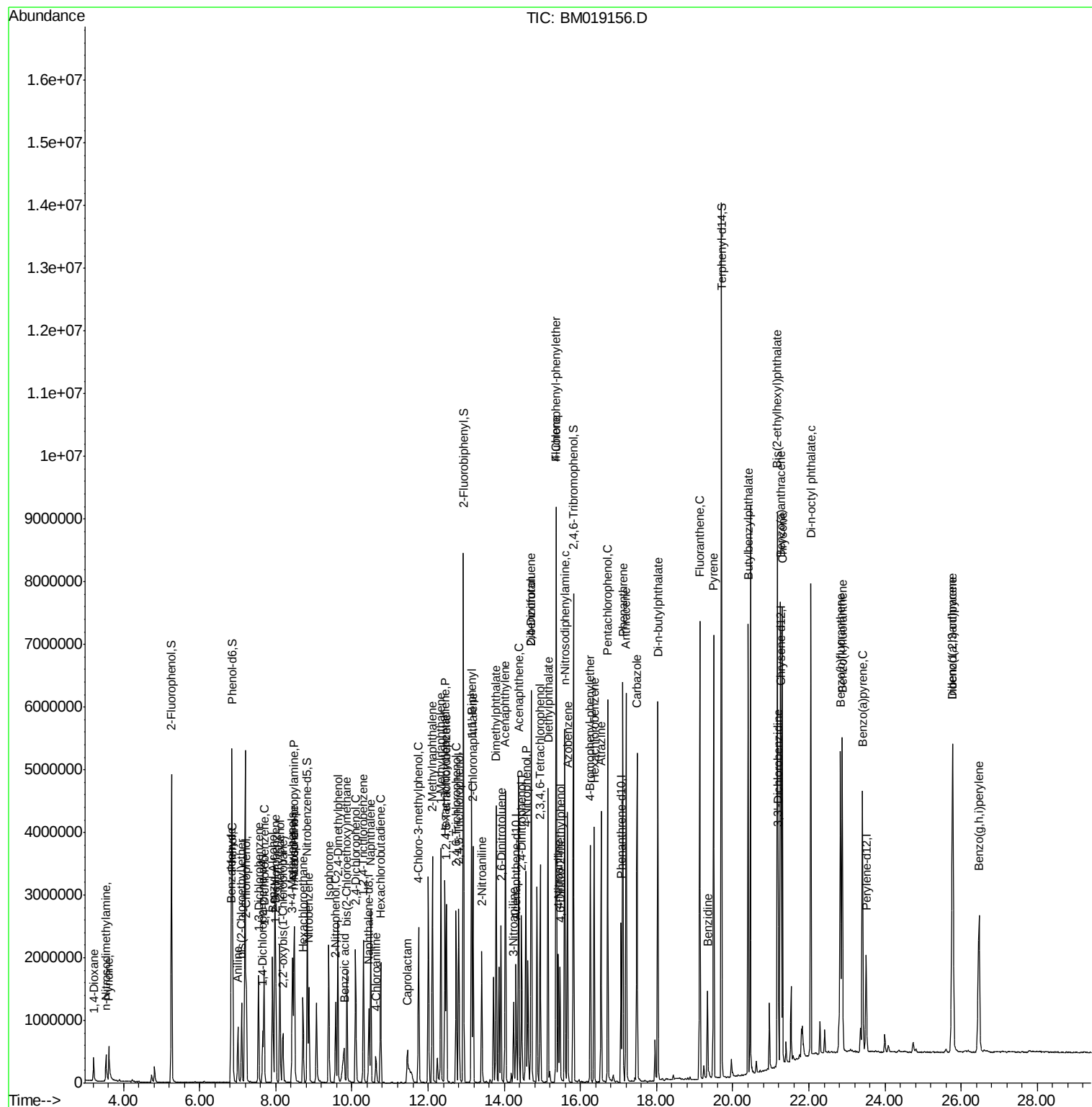
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031319\  
Data File : BM019156.D  
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

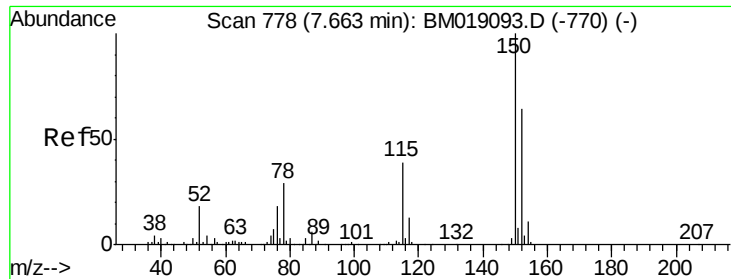
Instrument :  
BNA\_M  
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#1

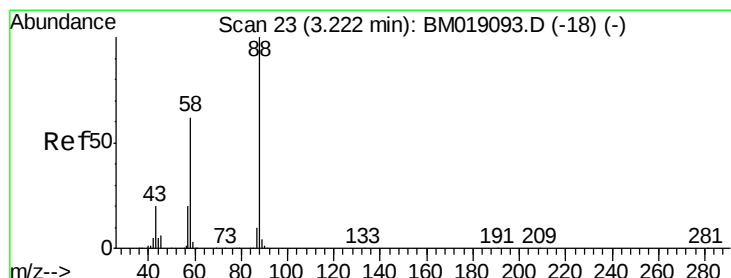
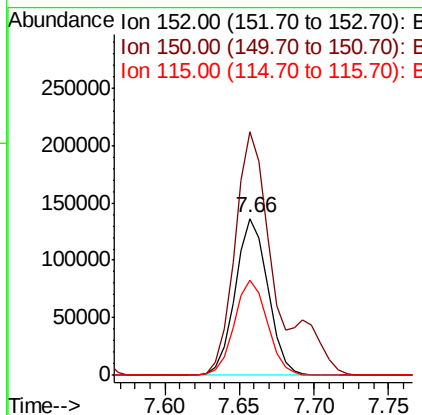
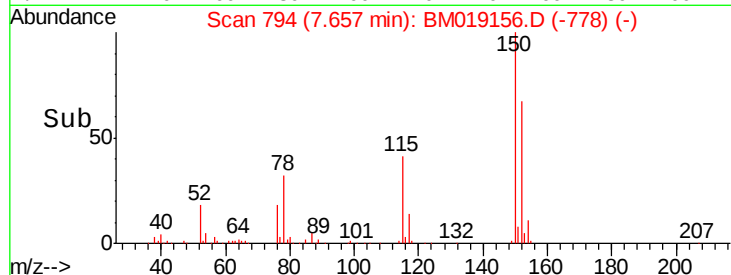
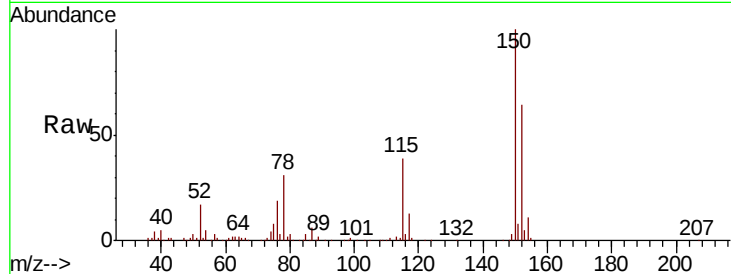
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 125.3 | 187.9 |
| 115     | 60.9  | 49.4  | 74.0  |

Manual Integrations  
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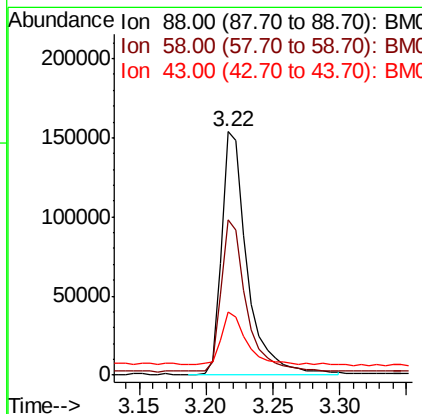
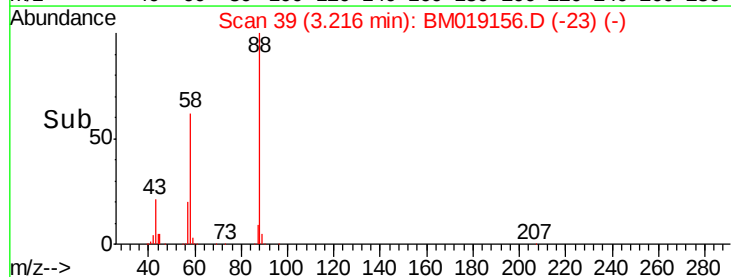
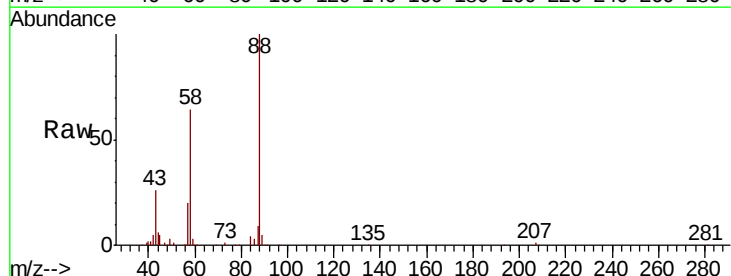
Sohil  
3/14/2019 3:38:06 PM



#2

1,4-Dioxane  
Concen: 36.073 ng  
RT: 3.22 min Scan# 39  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 60.8  | 50.0  | 75.0  |
| 43      | 21.4  | 17.0  | 25.4  |





#3

Pvridine

Concen: 27.801 ng

RT: 3.62 min Scan# 107

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

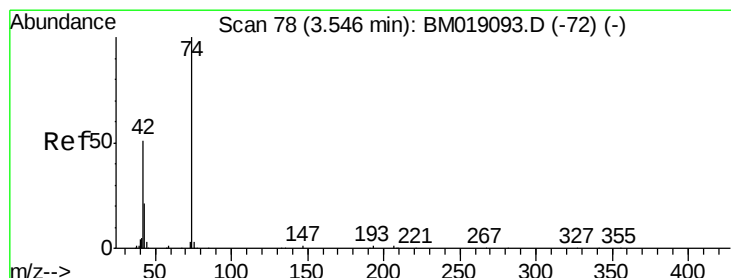
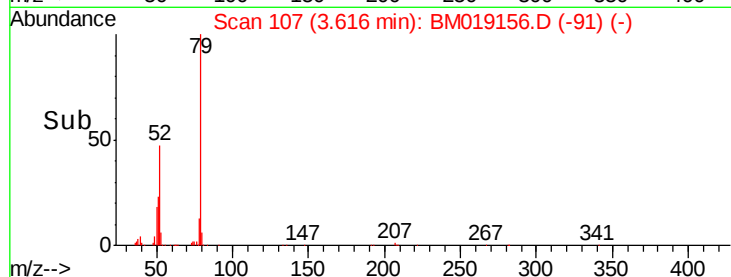
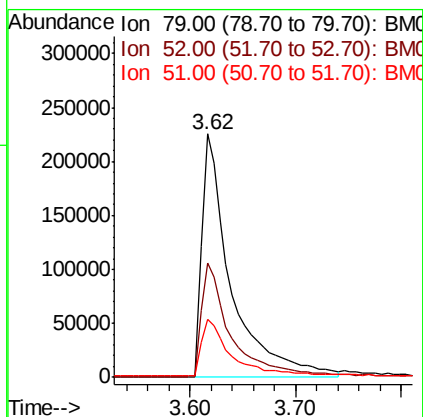
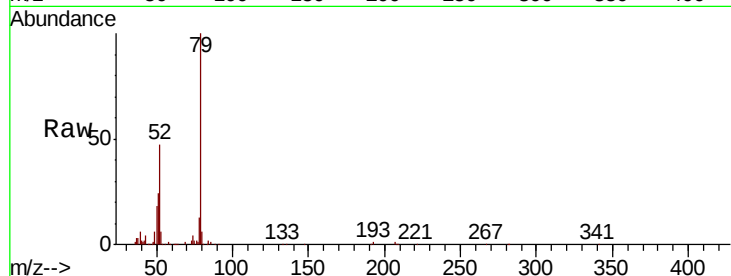
ClientSampleId :

BF-10-031119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 432774 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 46.9  | 37.5  | 56.3   |
| 51        | 23.9  | 19.2  | 28.8   |

Manual Integrations  
APPROVED

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3/14/2019 3:38:06 PM



#4

n-Nitrosodimethylamine

Concen: 41.076 ng

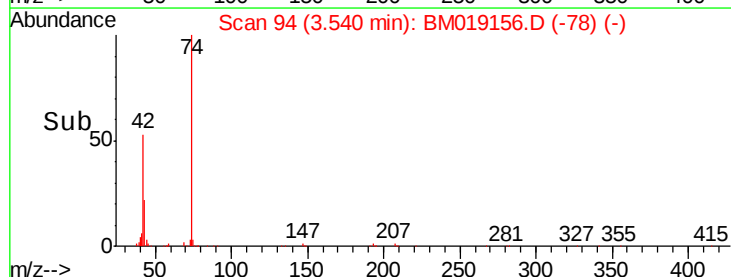
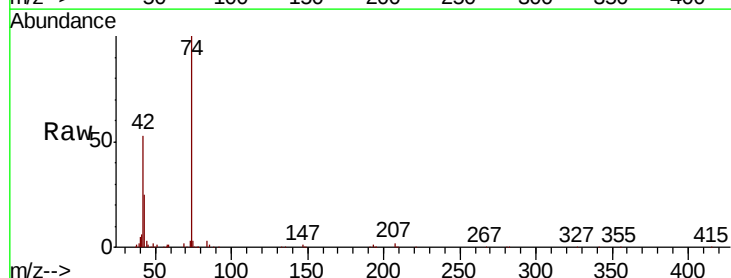
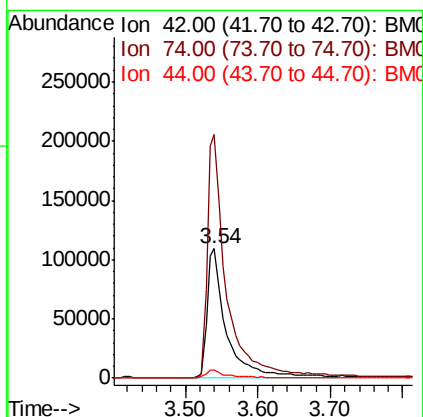
RT: 3.54 min Scan# 94

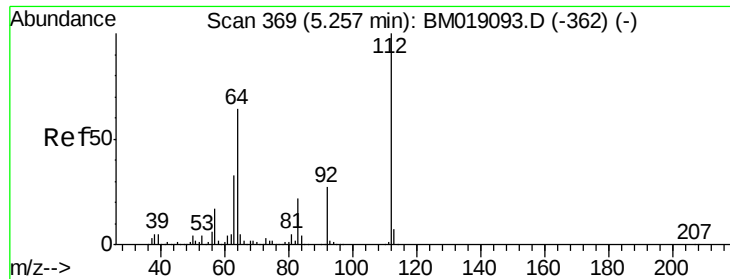
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 42    | Resp: | 198786 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 188.1 | 156.3 | 234.5  |
| 44        | 5.9   | 4.6   | 7.0    |





#5

2-Fluorophenol

Concen: 158.408 ng

RT: 5.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion:112 Resp: 2037452

Ion Ratio Lower Upper

112 100

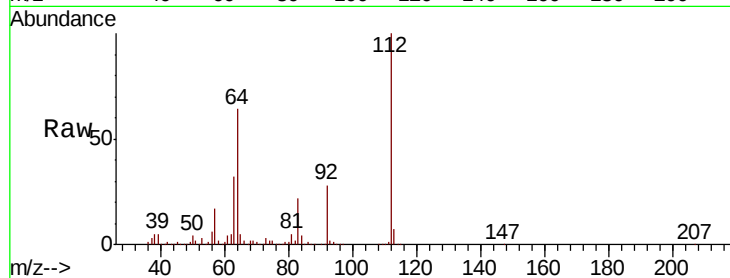
64 64.0 51.4 77.0

63 32.2 26.6 40.0

Manual Integrations  
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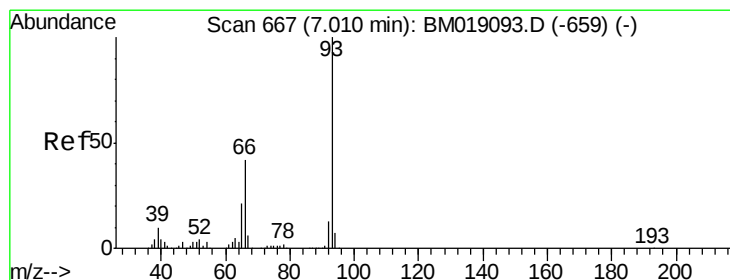
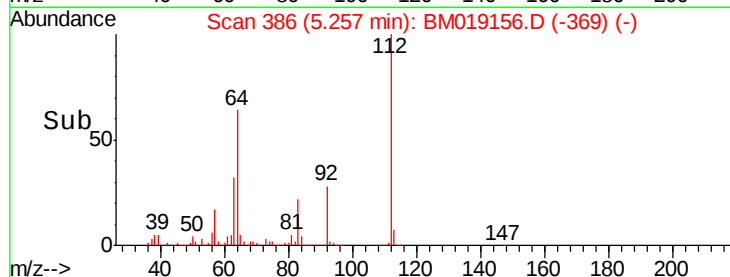
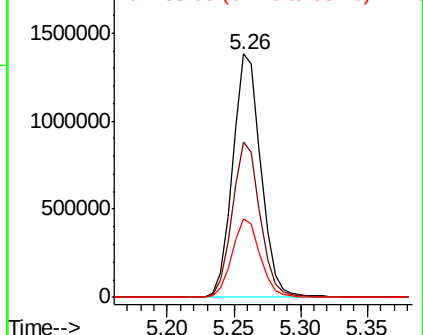
3/14/2019 3:38:06 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 25.068 ng

RT: 7.00 min Scan# 683

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

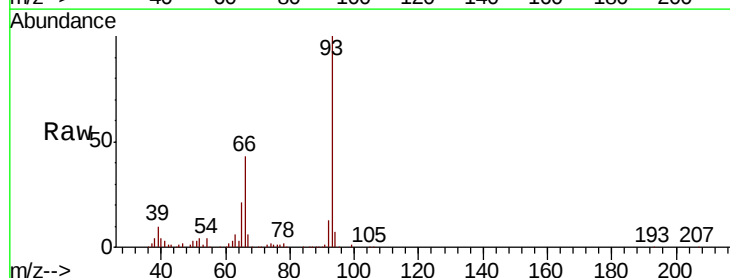
Tgt Ion: 93 Resp: 608879

Ion Ratio Lower Upper

93 100

66 43.1 33.4 50.2

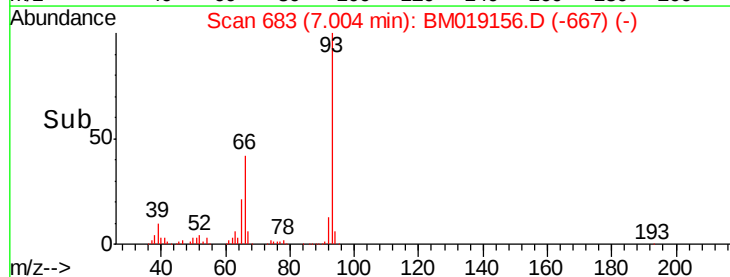
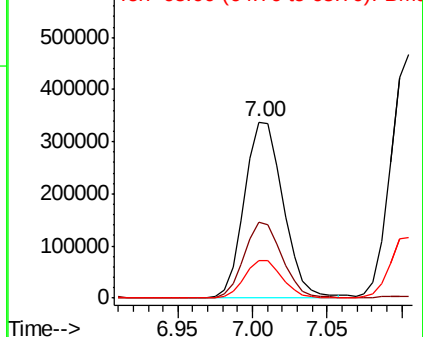
65 21.5 16.8 25.2

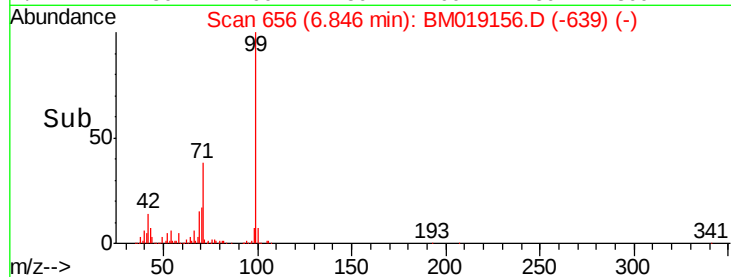
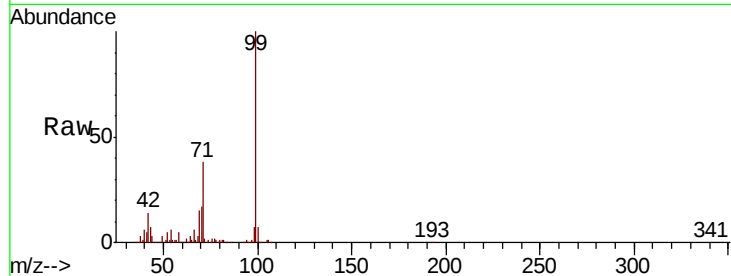
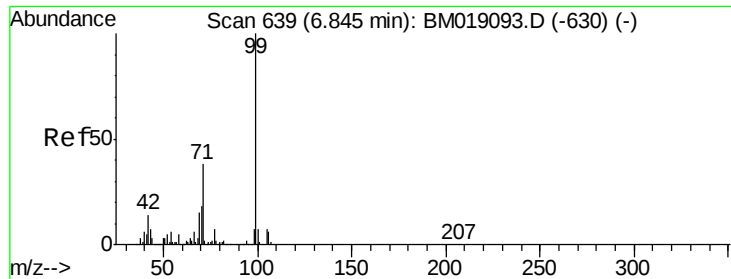


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 162.851 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 99    | Resp: | 3063779 |
| Ion      | Ratio | Lower | Upper   |
| 99       | 100   |       |         |
| 42       | 13.9  | 10.9  | 16.3    |
| 71       | 38.2  | 30.3  | 45.5    |

Instrument :

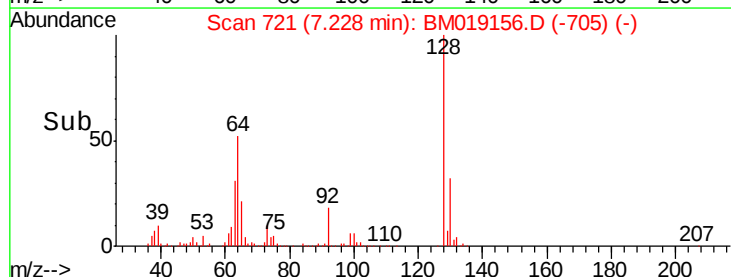
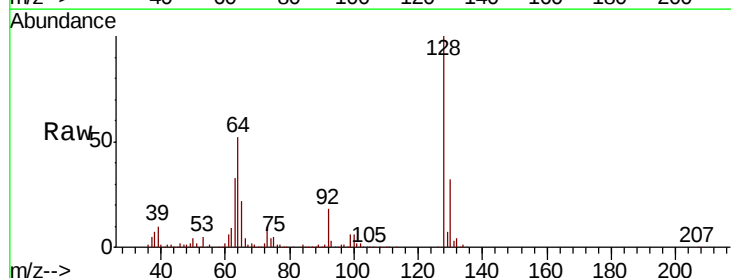
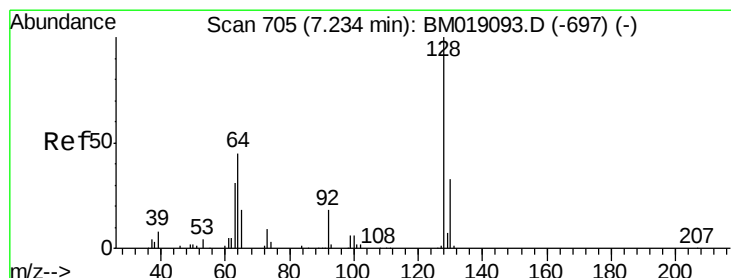
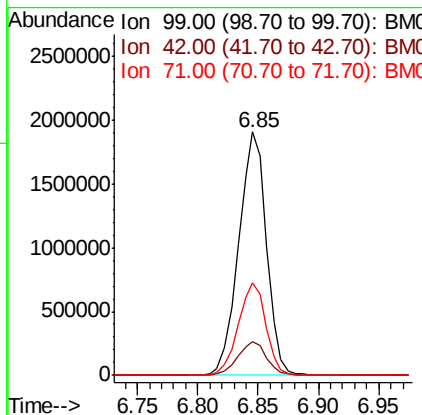
BNA\_M

ClientSampleId :

BF-10-031119MSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 46.756 ng

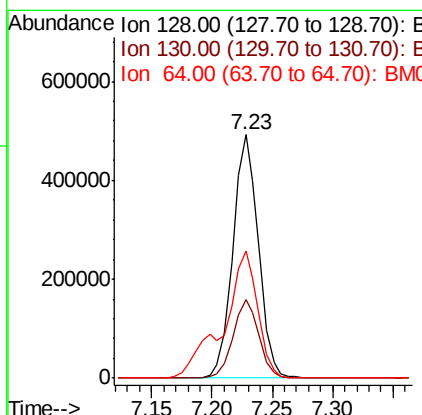
RT: 7.23 min Scan# 721

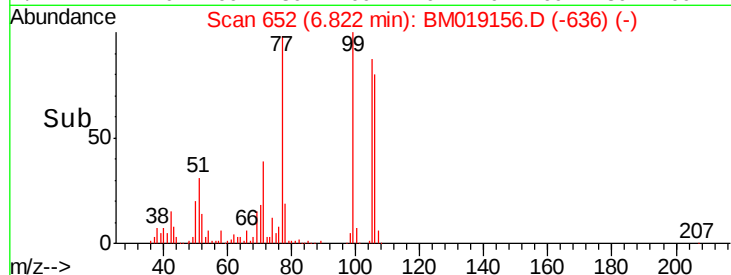
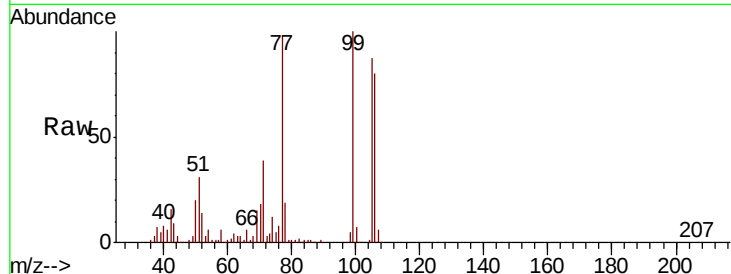
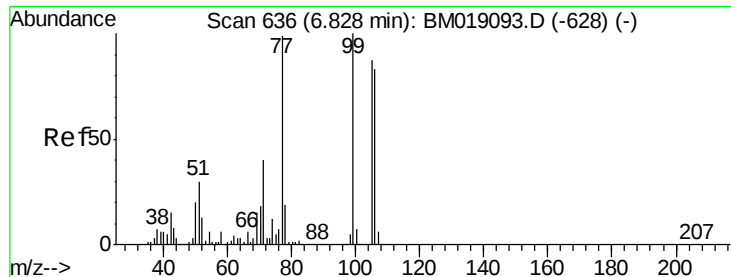
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 722678 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 32.2  | 12.8  | 52.8   |
| 64       | 52.2  | 30.8  | 70.8   |





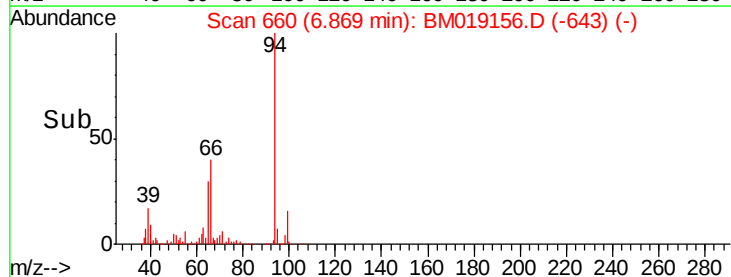
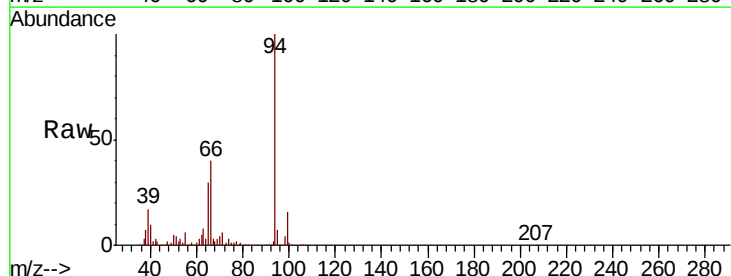
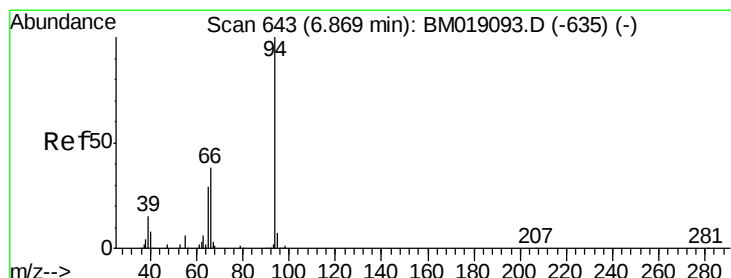
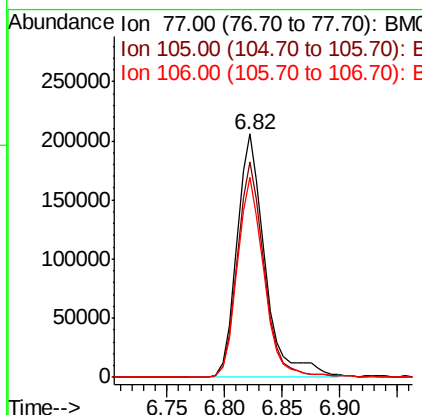
#9  
Benzaldehyde  
Concen: 29.343 ng  
RT: 6.82 min Scan# 652  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 88.7  | 67.7  | 107.7 |
| 106     | 82.2  | 64.1  | 104.1 |

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

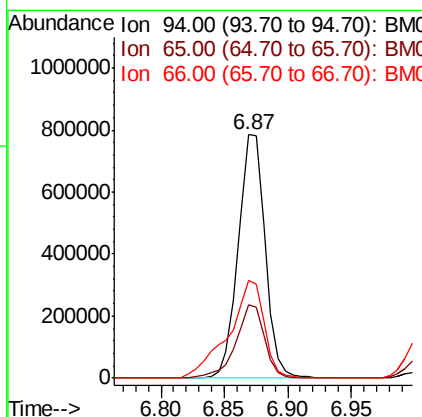
Manual Integrations  
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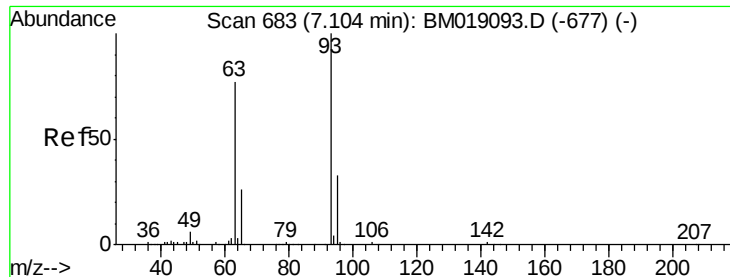
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#10  
Phenol  
Concen: 56.916 ng  
RT: 6.87 min Scan# 660  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 30.2  | 9.7   | 49.7  |
| 66      | 40.0  | 19.2  | 59.2  |





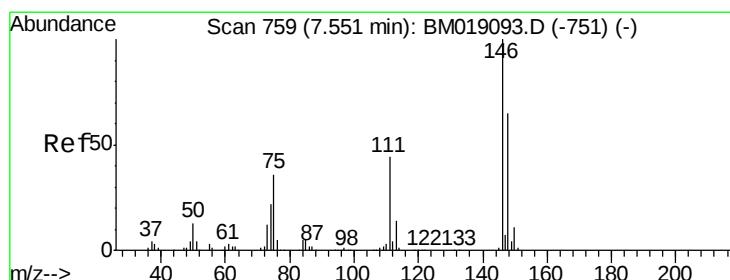
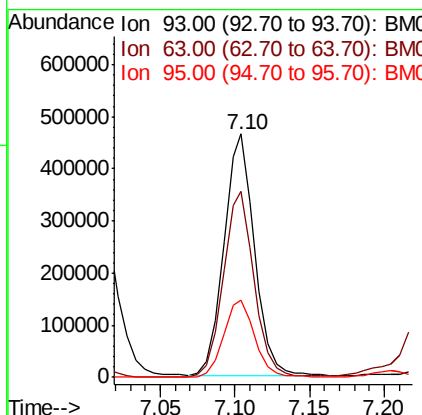
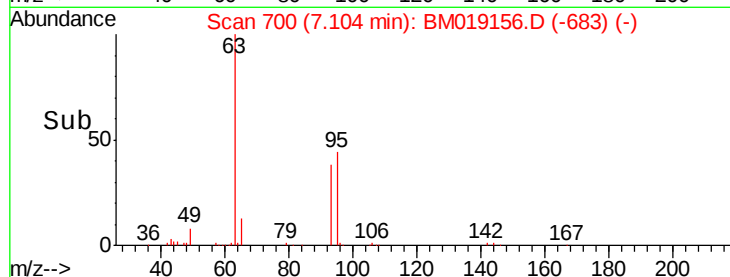
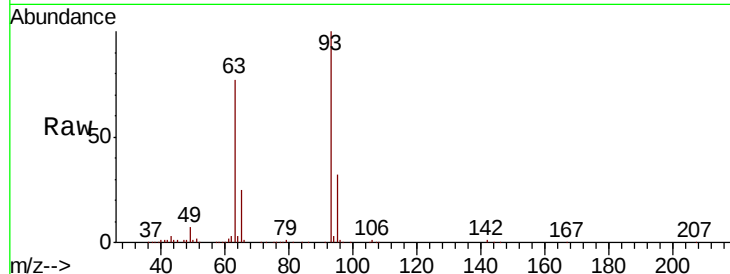
#11  
bis(2-Chloroethyl)ether  
Concen: 42.632 ng  
RT: 7.10 min Scan# 700  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 659585 |       |       |
| 63      | 76.5  | 56.6   | 96.6  |       |
| 95      | 31.7  | 13.0   | 53.0  |       |

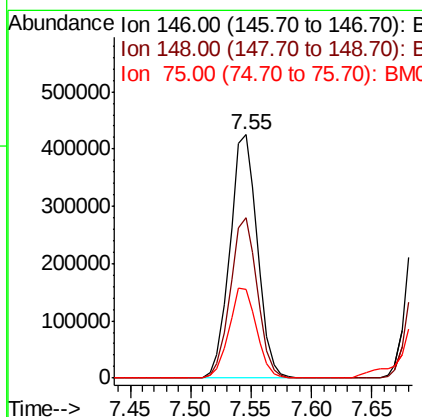
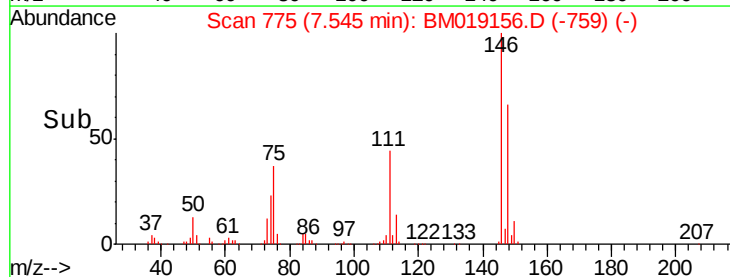
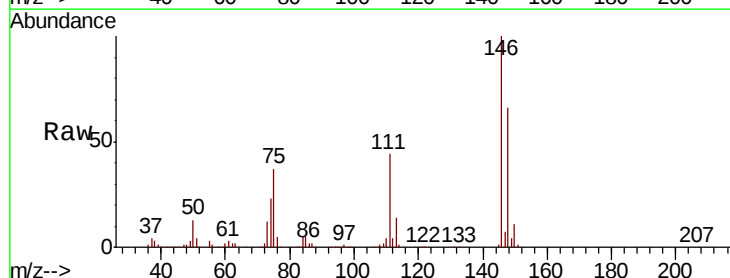
Manual Integrations  
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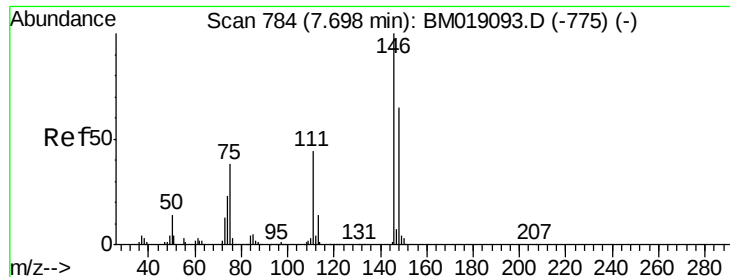
Sohil  
3/14/2019 3:38:06 PM



#12  
1,3-Dichlorobenzene  
Concen: 40.982 ng  
RT: 7.55 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 670329 |       |       |
| 148     | 65.9  | 51.7   | 77.5  |       |
| 75      | 36.7  | 29.1   | 43.7  |       |





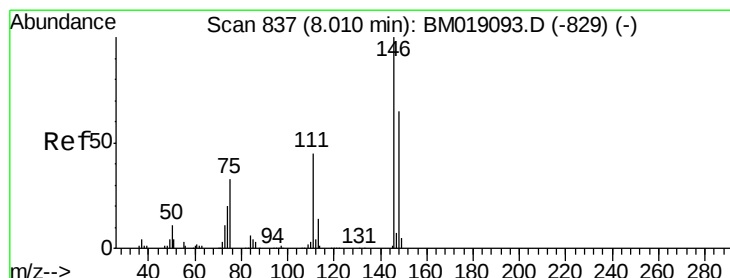
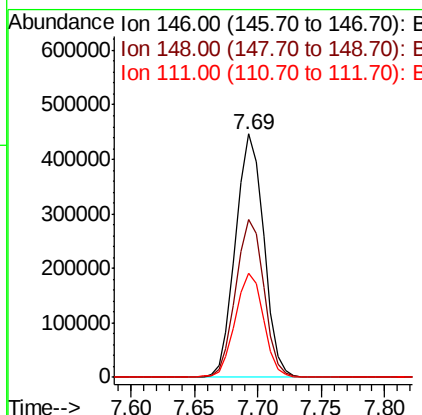
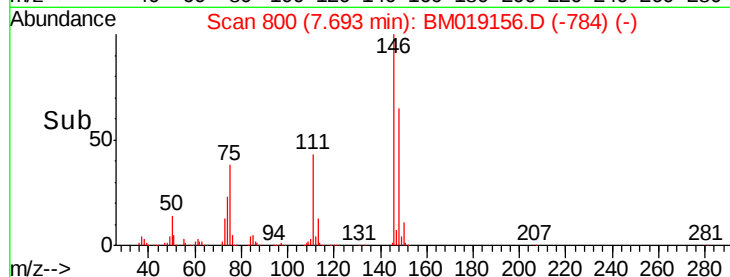
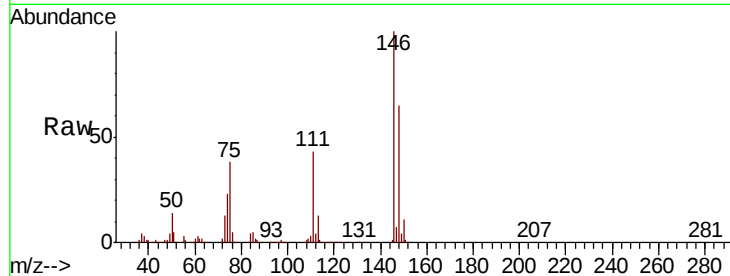
#13  
1,4-Dichlorobenzene  
Concen: 41.493 ng  
RT: 7.69 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 51.8  | 77.6  |
| 111     | 43.0  | 35.4  | 53.0  |

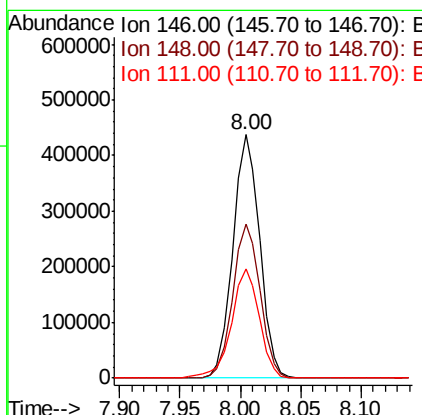
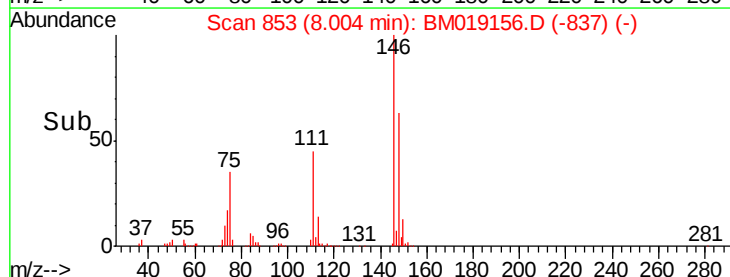
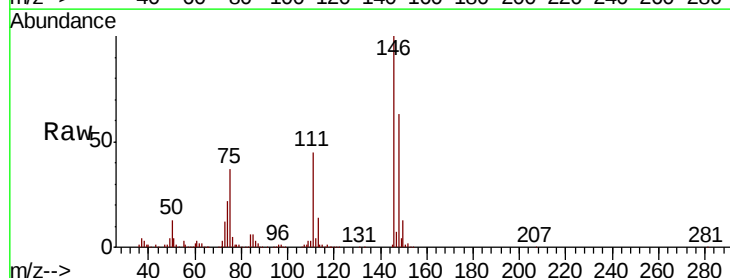
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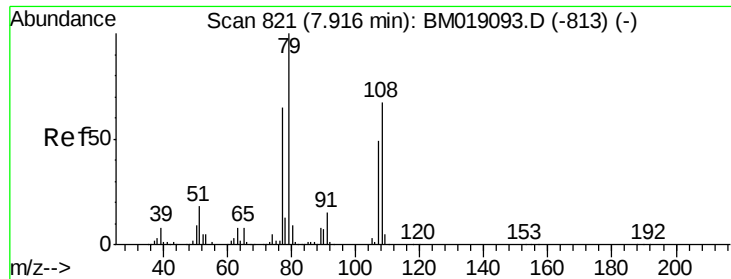
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#14  
1,2-Dichlorobenzene  
Concen: 41.742 ng  
RT: 8.00 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 51.8  | 77.6  |
| 111     | 44.9  | 36.2  | 54.4  |





#15

Benzyl Alcohol

Concen: 47.248 ng

RT: 7.92 min Scan# 838

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

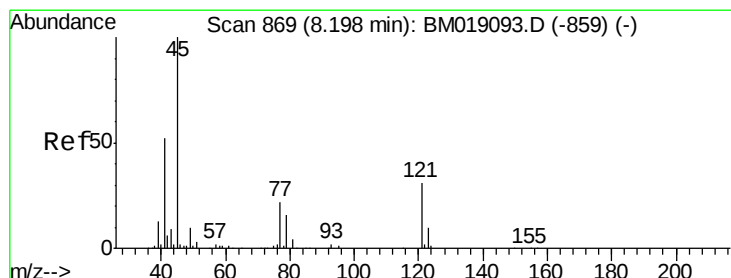
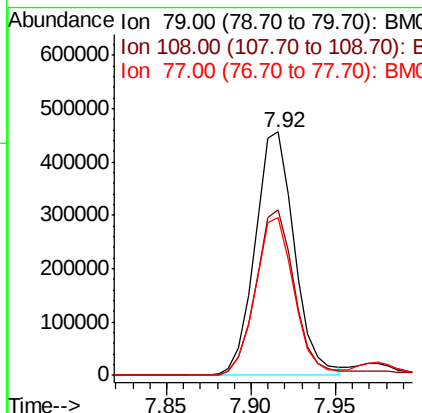
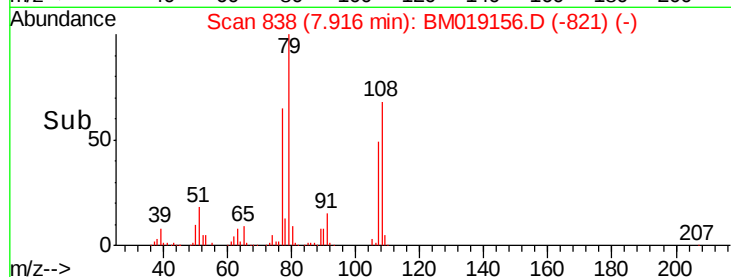
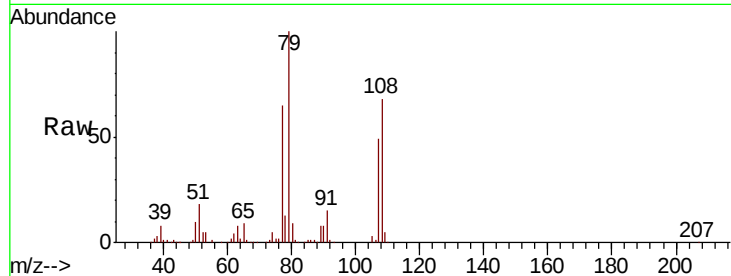
ClientSampleId :

BF-10-031119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 735679 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 67.8  | 53.7  | 80.5   |
| 77        | 64.9  | 51.8  | 77.8   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.695 ng

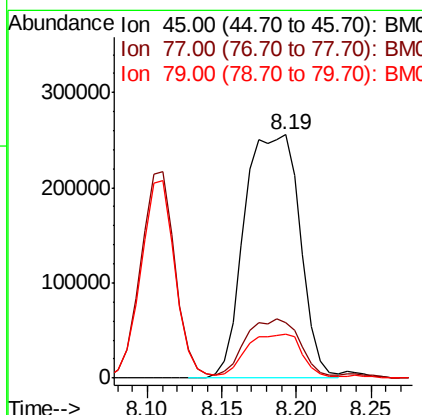
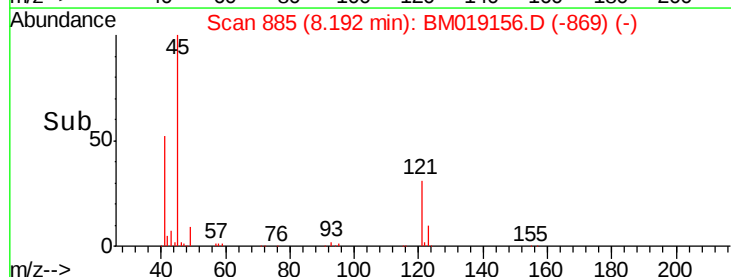
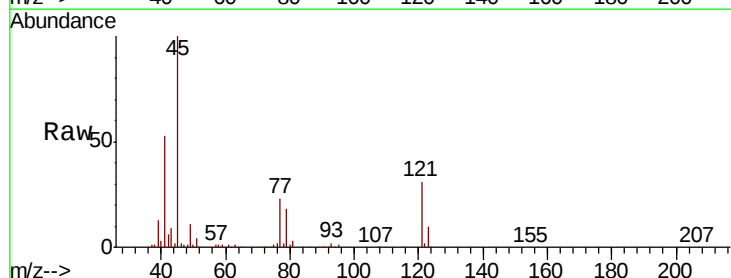
RT: 8.19 min Scan# 885

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 658683 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 22.6  | 4.1   | 44.1   |
| 79        | 17.9  | 0.0   | 38.1   |





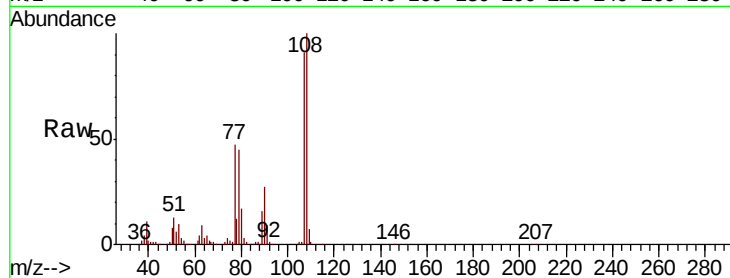
#17  
2-Methylphenol  
Concen: 49.861 ng  
RT: 8.11 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.2 | 87.4 | 131.2 |       |
| 77      | 52.2  | 41.6 | 62.4  |       |
| 79      | 49.8  | 40.6 | 60.8  |       |

Manual Integrations  
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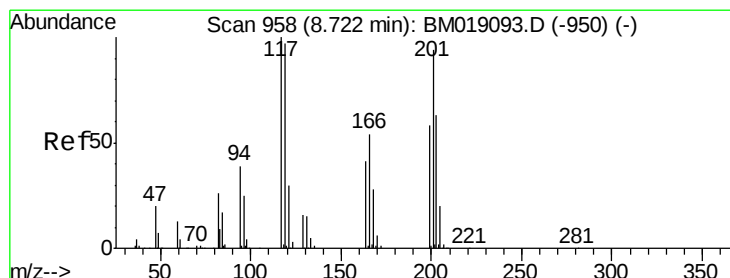
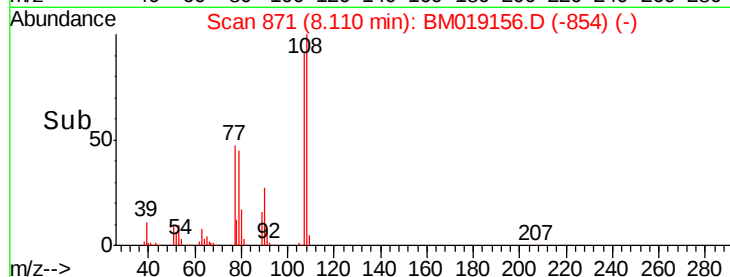
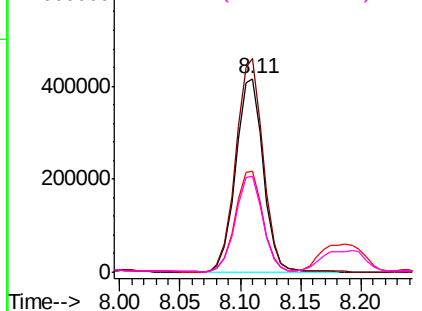
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

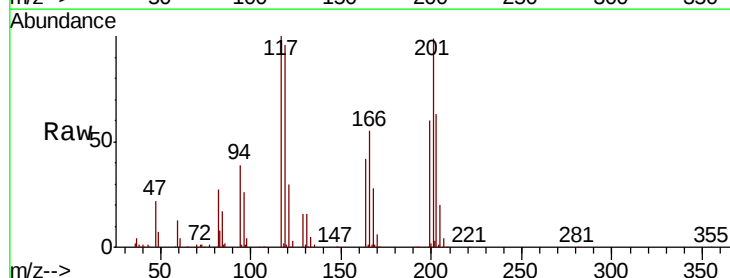
Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18  
Hexachloroethane  
Concen: 41.108 ng  
RT: 8.72 min Scan# 974  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.3  | 77.4 | 116.2 |       |
| 201     | 98.8  | 75.2 | 112.8 |       |

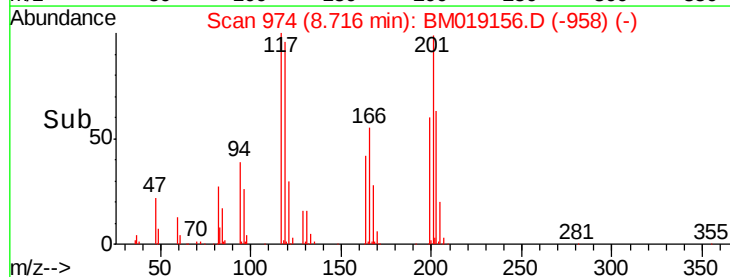
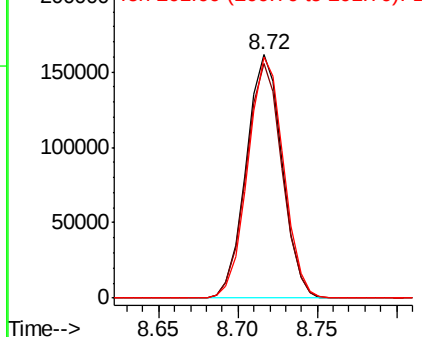


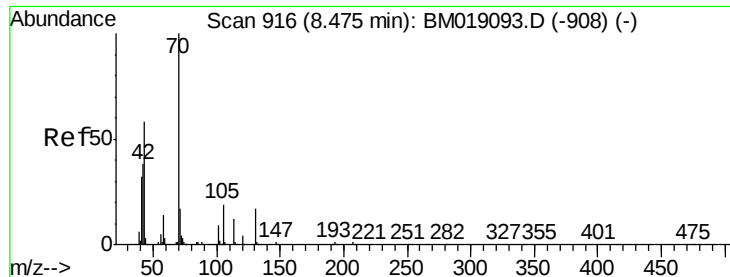
Abundance

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





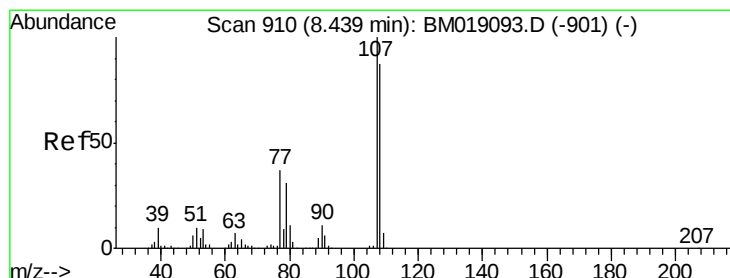
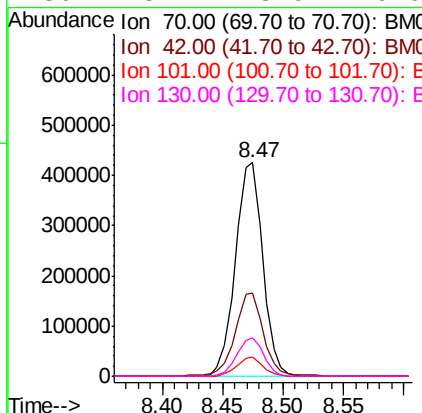
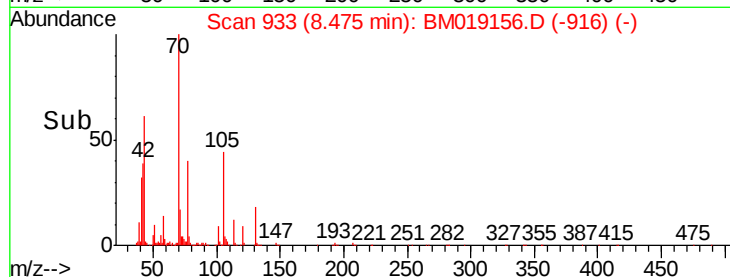
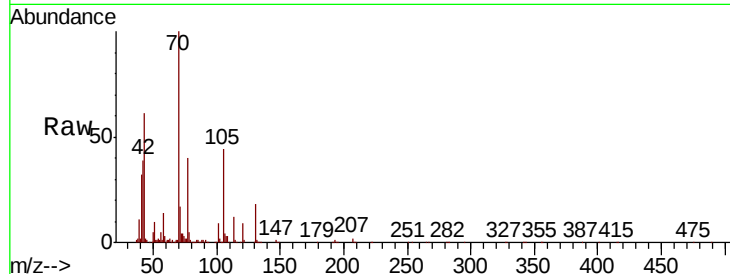
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.816 ng  
RT: 8.47 min Scan# 933  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 38.8 | 30.6  | 45.8  |       |
| 101     | 8.7  | 6.8   | 10.2  |       |
| 130     | 18.2 | 13.9  | 20.9  |       |

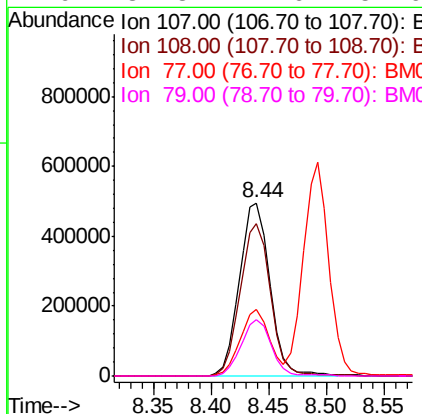
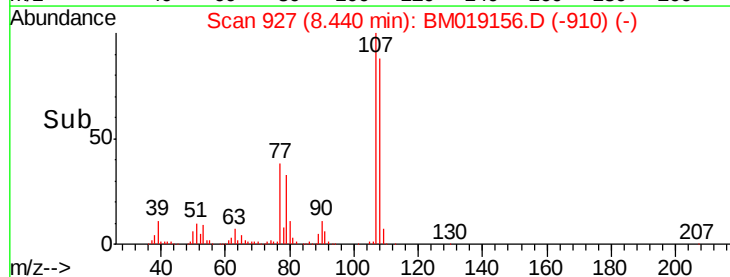
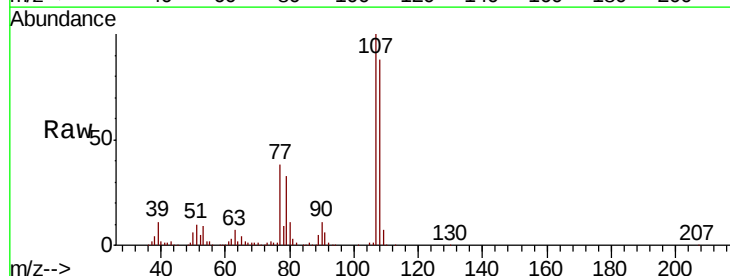
Manual Integrations  
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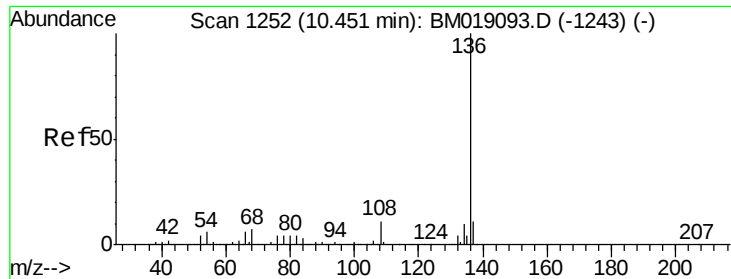
Sohil  
3/14/2019 3:38:06 PM



#20  
3+4-Methylphenols  
Concen: 50.713 ng  
RT: 8.44 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 88.3 | 67.0  | 107.0 |       |
| 77      | 38.3 | 17.3  | 57.3  |       |
| 79      | 32.8 | 11.6  | 51.6  |       |





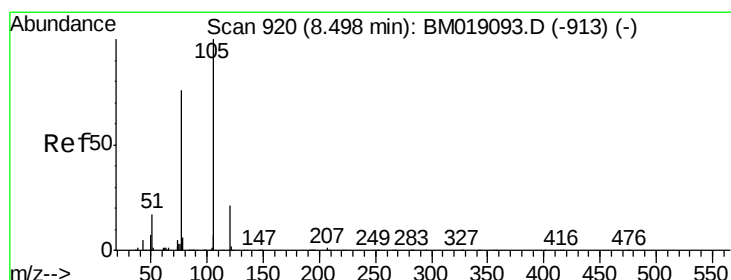
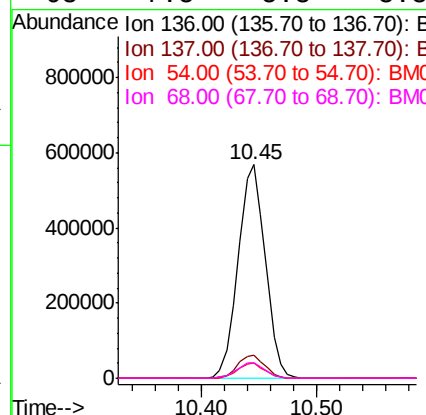
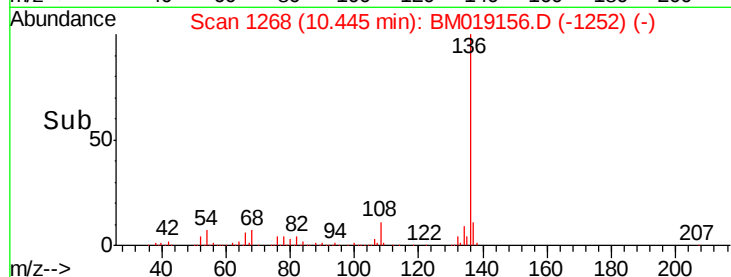
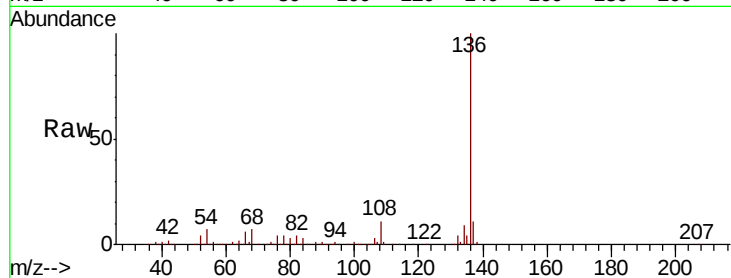
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.45 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 922818 |       |       |
| 137     | 10.8 |       | 8.6    | 13.0  |       |
| 54      | 6.9  |       | 5.2    | 7.8   |       |
| 68      | 7.5  |       | 5.8    | 8.8   |       |

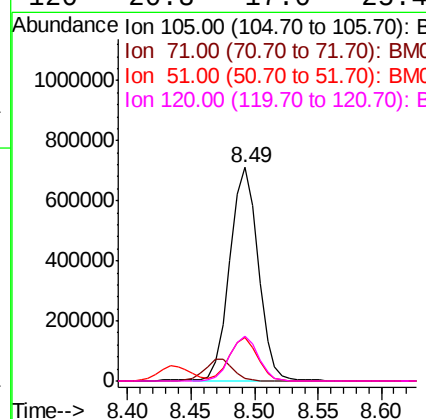
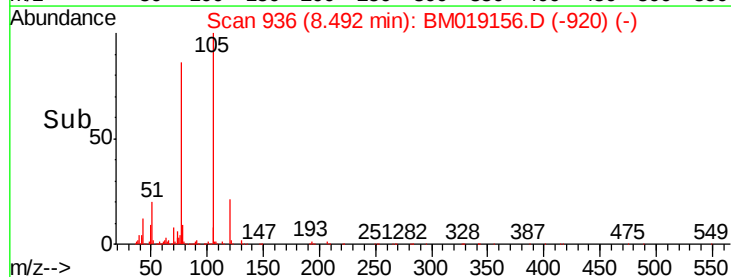
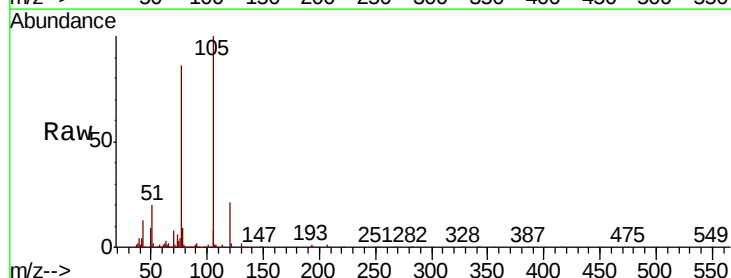
Manual Integrations  
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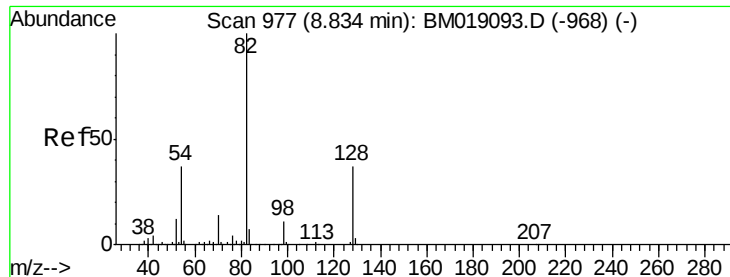
Sohil  
3/14/2019 3:38:06 PM



#22  
Acetophenone  
Concen: 43.023 ng  
RT: 8.49 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 105     | 100  |       | 1097203 |       |       |
| 71      | 1.2  |       | 0.8     | 1.2#  |       |
| 51      | 20.4 |       | 15.8    | 23.6  |       |
| 120     | 20.8 |       | 17.0    | 25.4  |       |





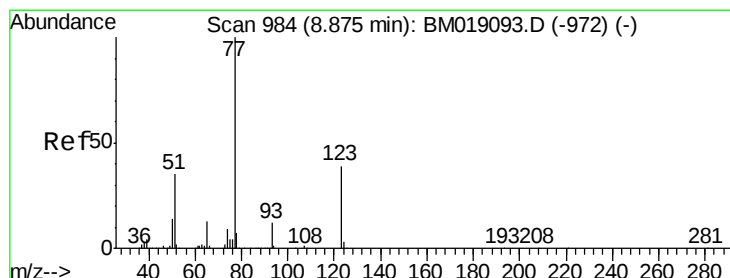
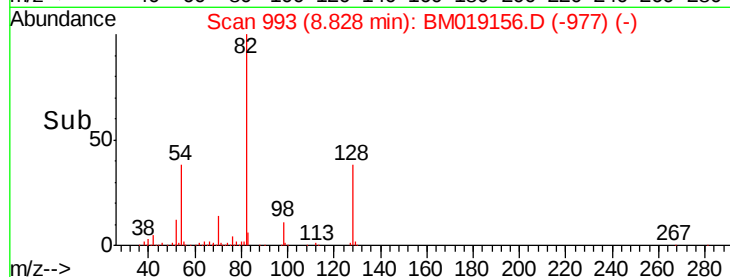
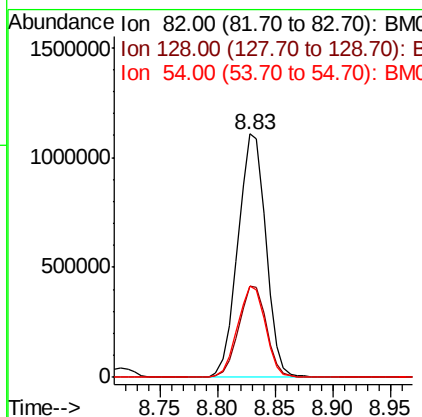
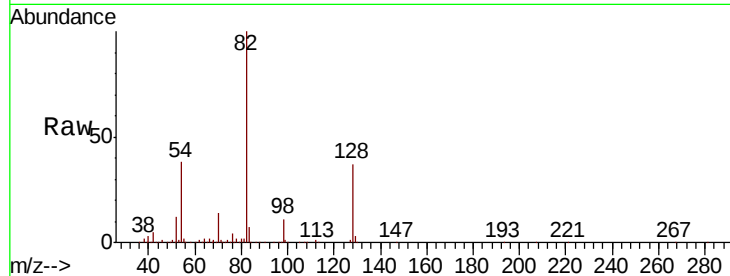
#23  
 Nitrobenzene-d5  
 Concen: 95.651 ng  
 RT: 8.83 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.4  | 29.4  | 44.2  |
| 54      | 37.5  | 29.9  | 44.9  |

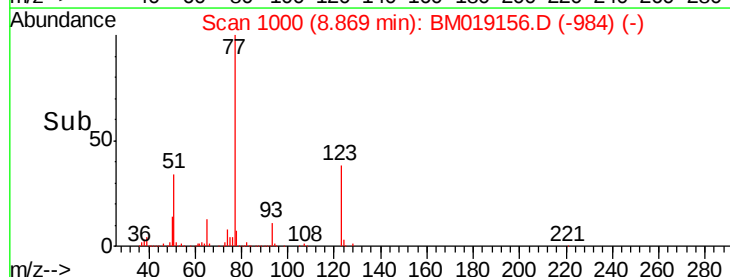
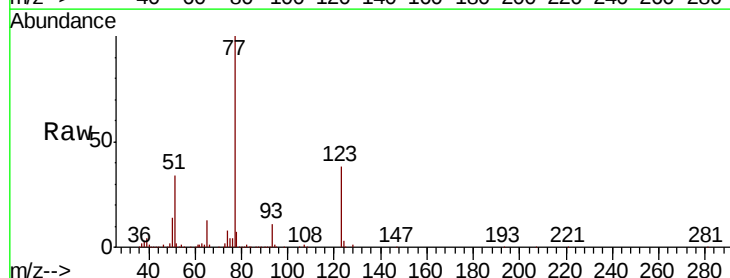
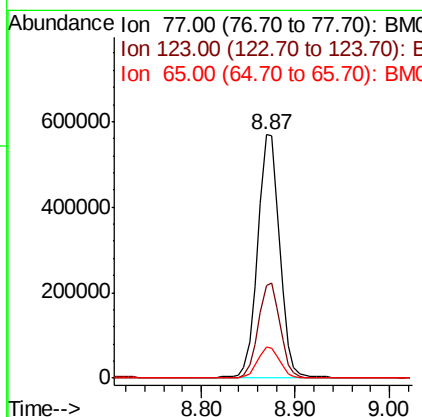
Manual Integrations  
 APPROVED

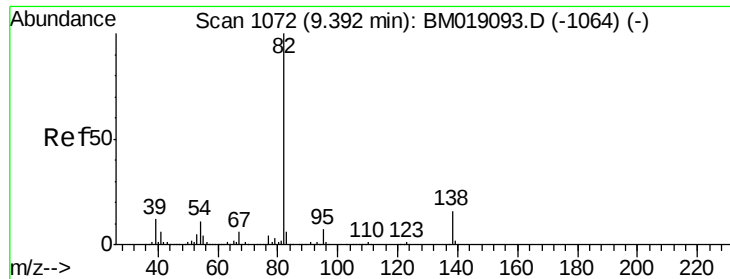
Sohil  
 3/14/2019 3:38:06 PM



#24  
 Nitrobenzene  
 Concen: 45.628 ng  
 RT: 8.87 min Scan# 1000  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 38.2  | 31.3  | 46.9  |
| 65      | 12.8  | 10.5  | 15.7  |





#25

Isophorone

Concen: 46.697 ng

RT: 9.39 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion: 82 Resp: 1739533

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

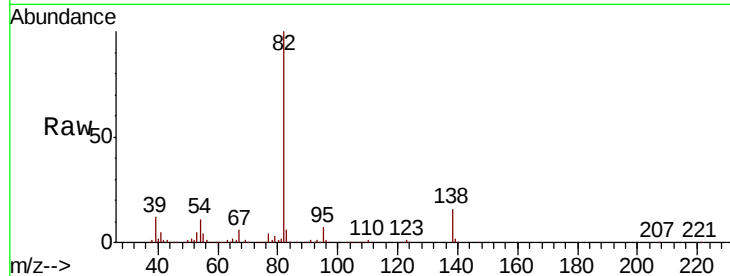
138 15.7 12.6 18.8

Manual Integrations

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Sohil

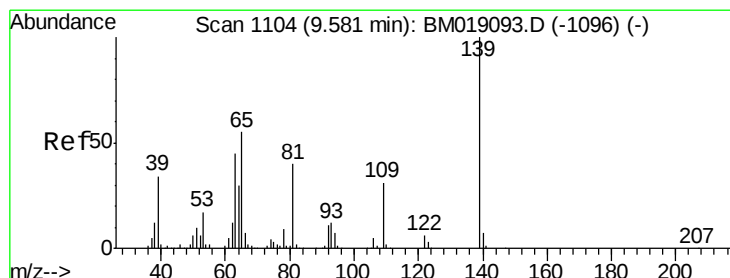
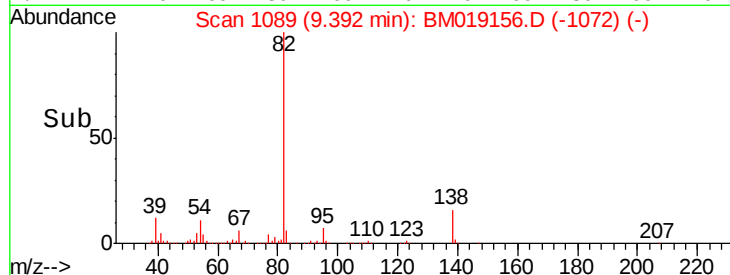
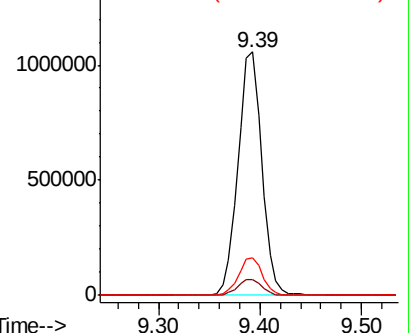
3/14/2019 3:38:06 PM



Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM019093.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM019093.D (-1064) (-)



#26

2-Nitrophenol

Concen: 47.802 ng

RT: 9.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

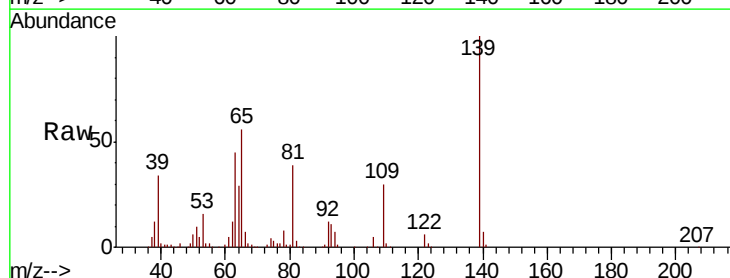
Tgt Ion: 139 Resp: 402298

Ion Ratio Lower Upper

139 100

109 30.0 24.5 36.7

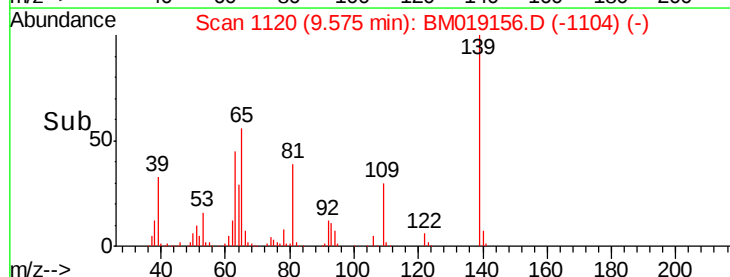
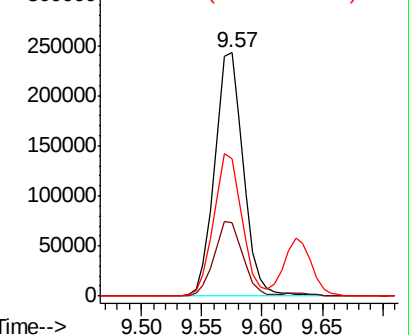
65 56.3 44.4 66.6



Abundance Ion 139.00 (138.70 to 139.70): BM019093.D (-1096) (-)

Ion 109.00 (108.70 to 109.70): BM019093.D (-1096) (-)

Ion 65.00 (64.70 to 65.70): BM019093.D (-1096) (-)





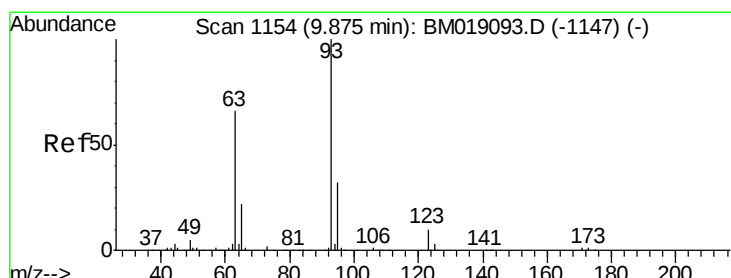
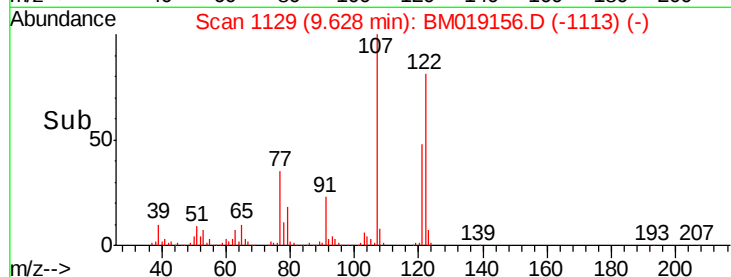
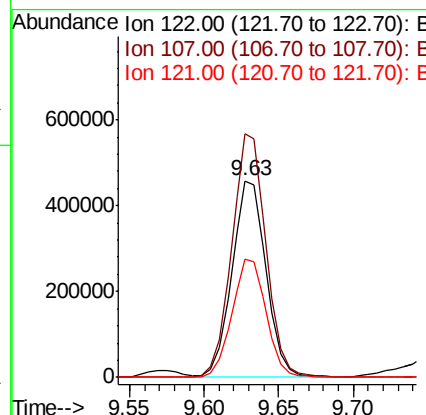
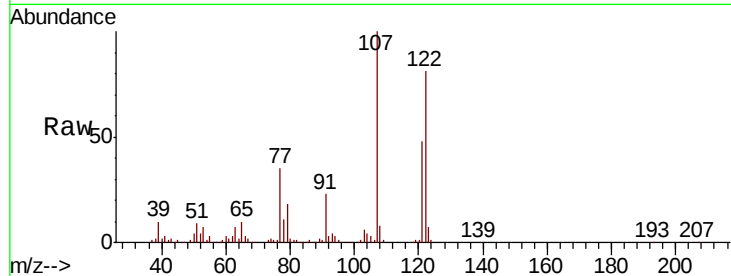
#27  
 2,4-Dimethylphenol  
 Concen: 57.995 ng  
 RT: 9.63 min Scan# 1129  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 725605 |       |       |
| 107     | 124.1 | 98.2   | 147.4 |       |
| 121     | 60.1  | 48.8   | 73.2  |       |

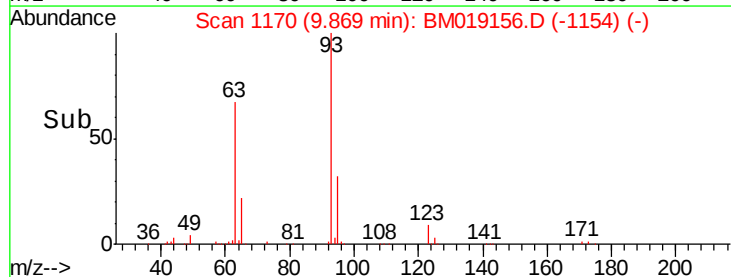
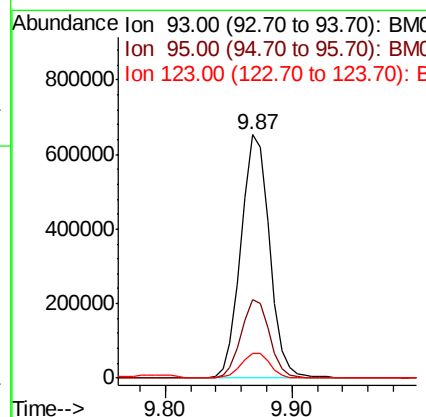
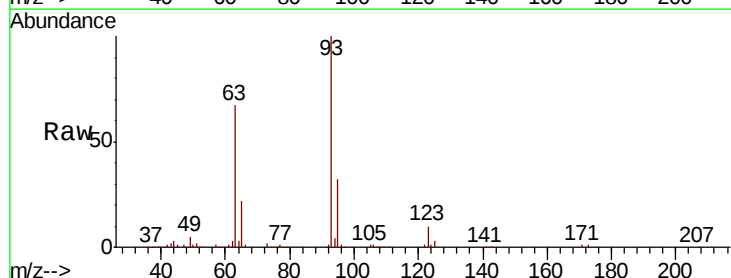
Manual Integrations  
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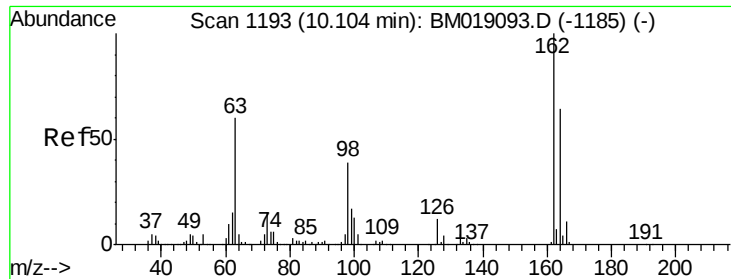
Sohil  
 3/14/2019 3:38:06 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.345 ng  
 RT: 9.87 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 93      | 100   | 1022240 |       |       |
| 95      | 32.2  | 25.8    | 38.8  |       |
| 123     | 10.3  | 7.9     | 11.9  |       |





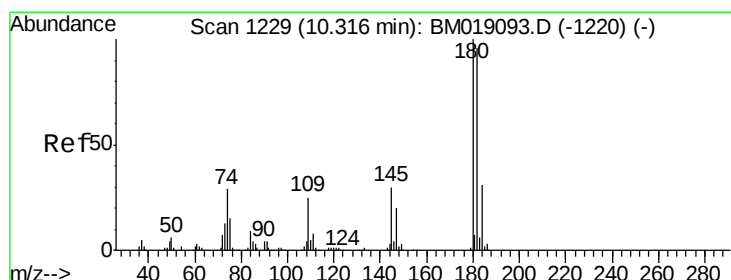
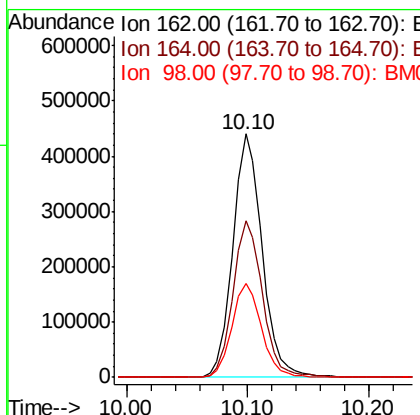
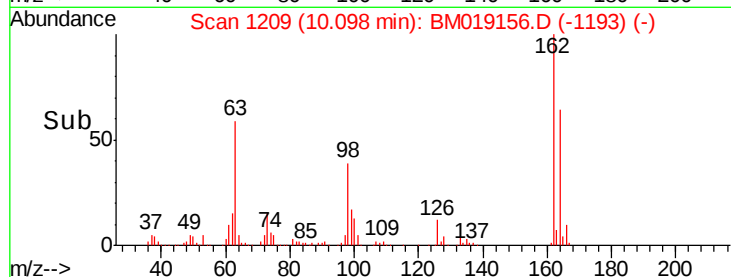
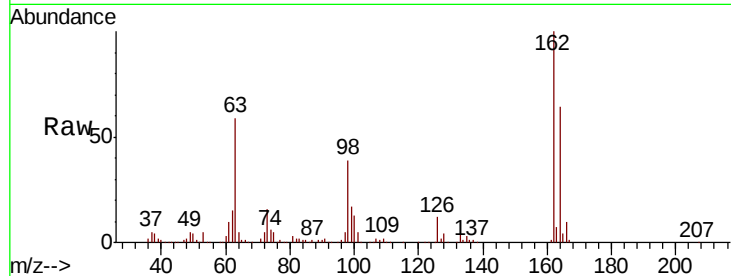
#29  
2,4-Dichlorophenol  
Concen: 53.917 ng  
RT: 10.10 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 747112 |       |       |
| 164     | 64.3  | 43.5   | 83.5  |       |
| 98      | 38.7  | 19.1   | 59.1  |       |

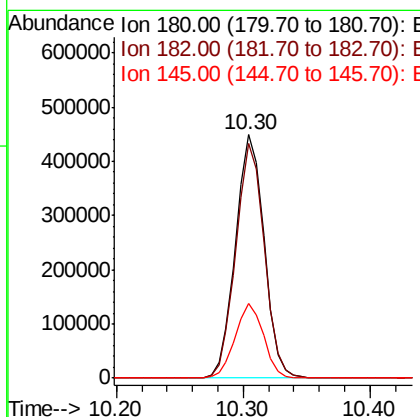
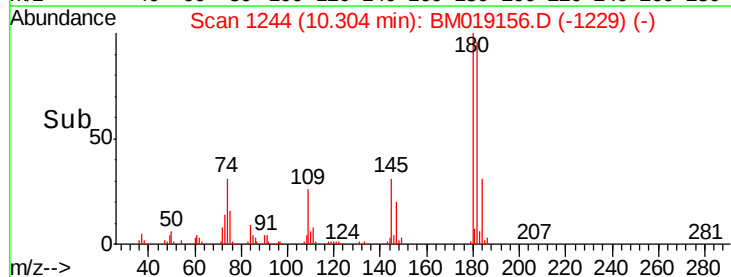
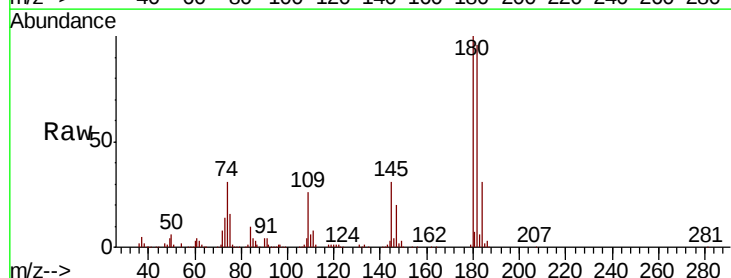
Manual Integrations  
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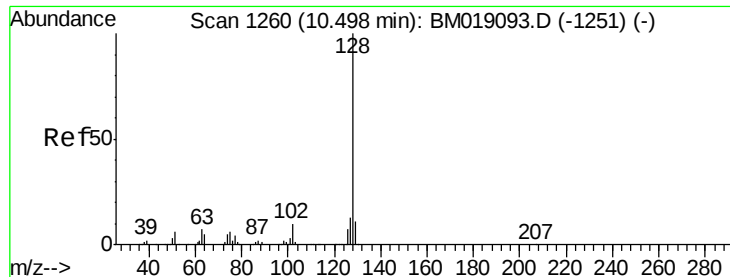
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3/14/2019 3:38:06 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 44.920 ng  
RT: 10.30 min Scan# 1244  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 701862 |       |       |
| 182     | 96.2  | 76.6   | 114.8 |       |
| 145     | 30.6  | 24.3   | 36.5  |       |





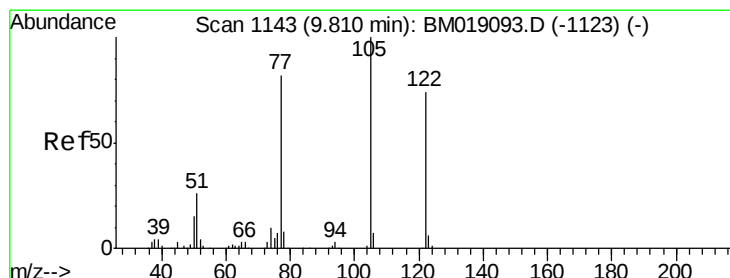
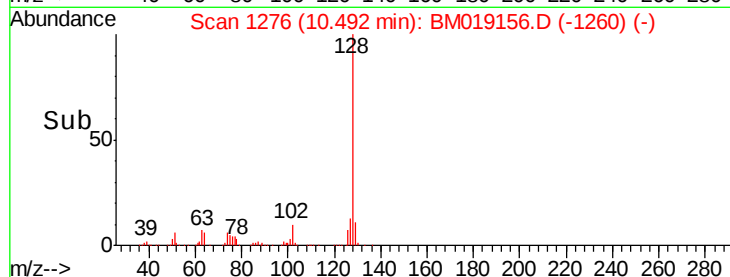
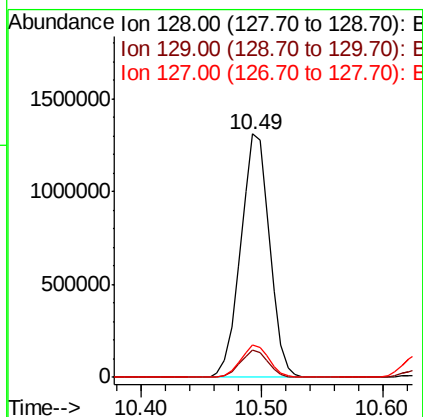
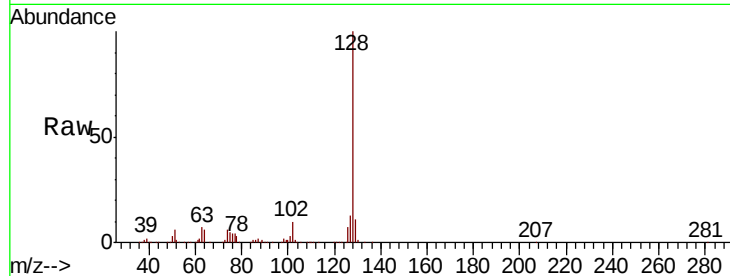
#31  
Naphthalene  
Concen: 45.003 ng  
RT: 10.49 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.6   | 13.0  |
| 127     | 13.5  | 10.4  | 15.6  |

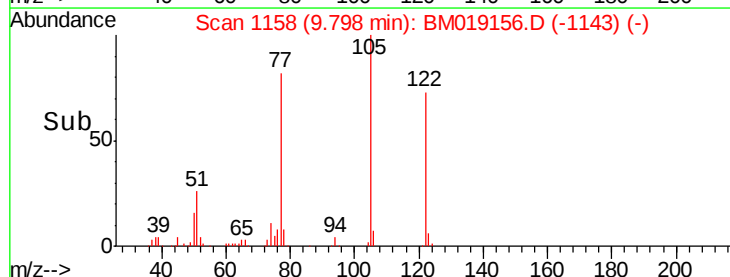
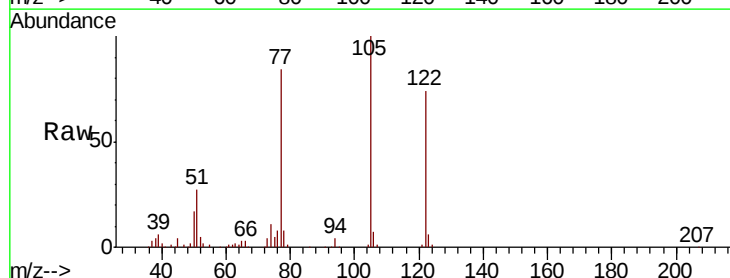
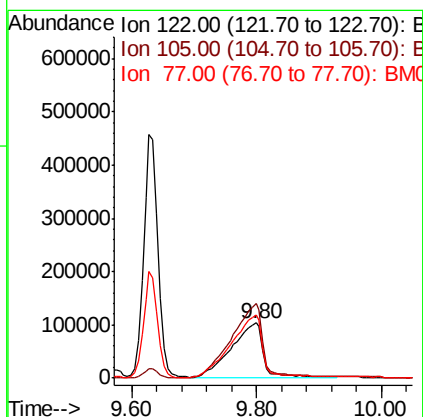
Manual Integrations  
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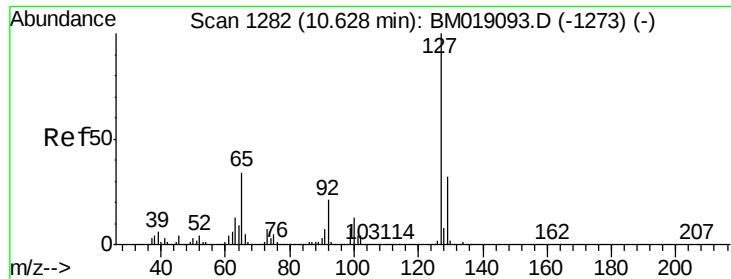
Sohil  
3/14/2019 3:38:06 PM



#32  
Benzoic acid  
Concen: 36.533 ng m  
RT: 9.80 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 135.0 | 113.0 | 153.0 |
| 77      | 113.1 | 90.1  | 130.1 |





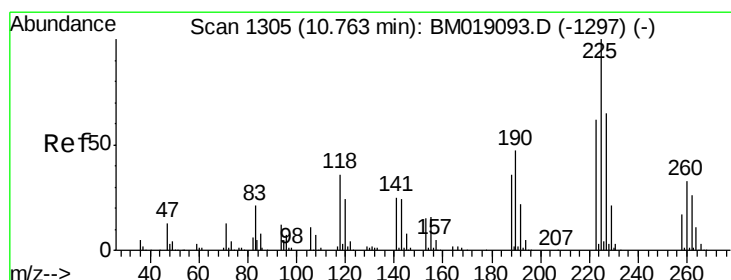
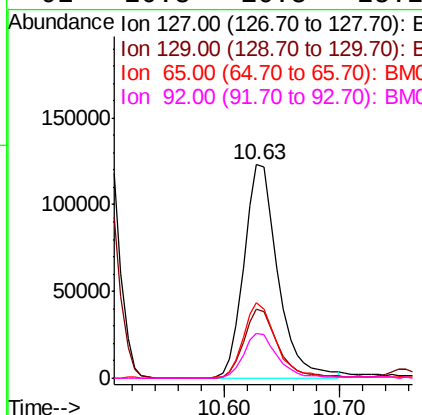
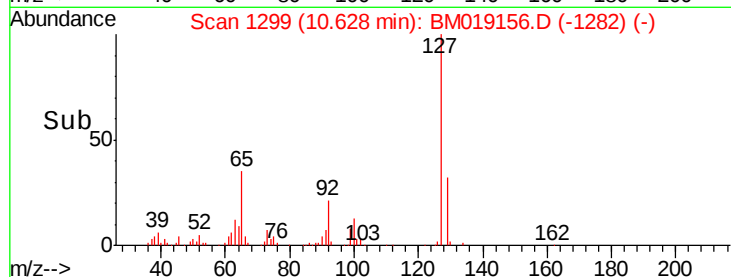
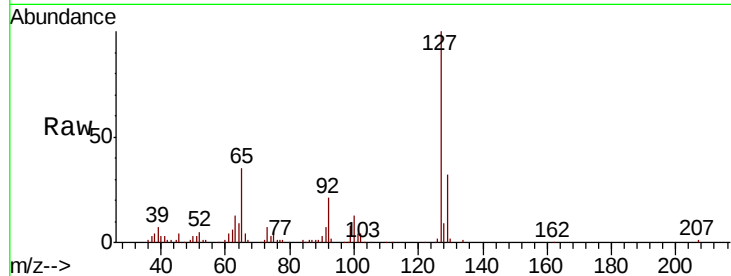
#33  
4-Chloroaniline  
Concen: 12.683 ng  
RT: 10.63 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.3  | 25.3  | 37.9  |
| 65      | 35.1  | 27.4  | 41.2  |
| 92      | 20.8  | 16.8  | 25.2  |

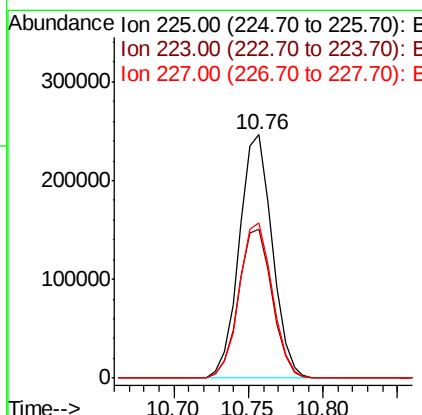
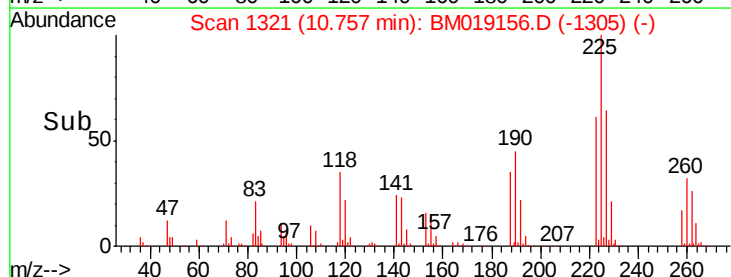
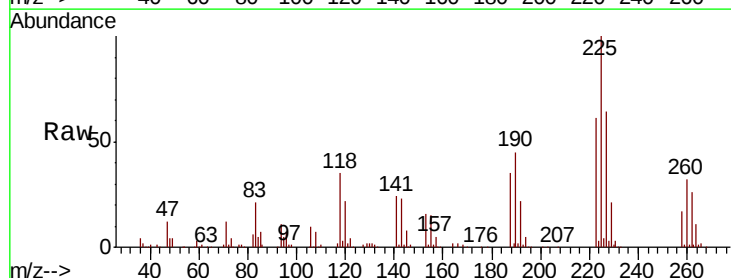
Manual Integrations  
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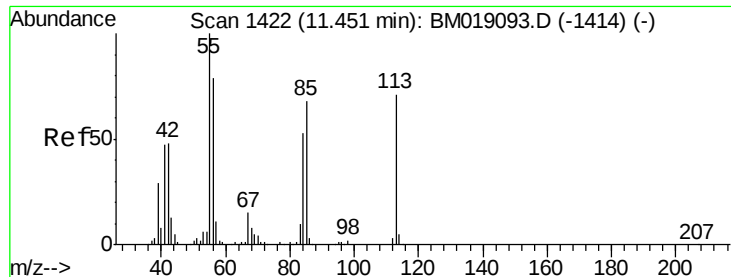
Sohil  
3/14/2019 3:38:06 PM



#34  
Hexachlorobutadiene  
Concen: 42.096 ng  
RT: 10.76 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.2  | 49.4  | 74.0  |
| 227     | 63.7  | 51.6  | 77.4  |





#35

Caprolactam

Concen: 52.695 ng/mL

RT: 11.46 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

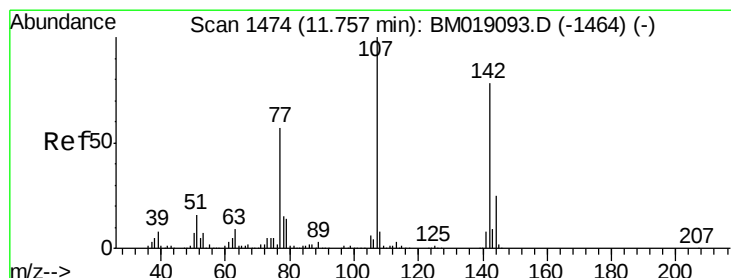
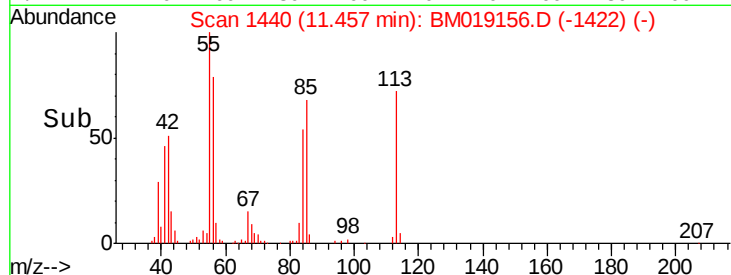
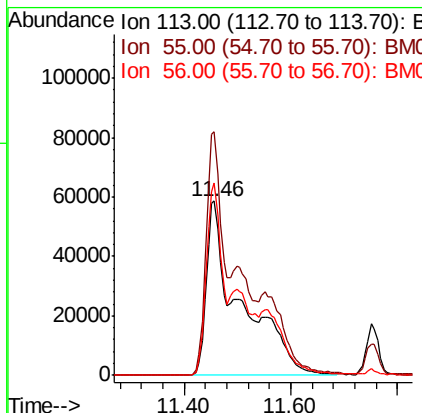
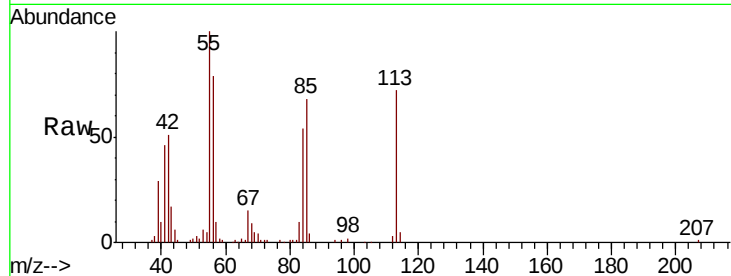
ClientSampleID :

BF-10-031119MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 260107 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 139.6 | 120.1 | 160.1  |
| 56        | 110.1 | 90.1  | 130.1  |

Manual Integrations  
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3/14/2019 3:38:06 PM



#36

4-Chloro-3-methylphenol

Concen: 52.286 ng/mL

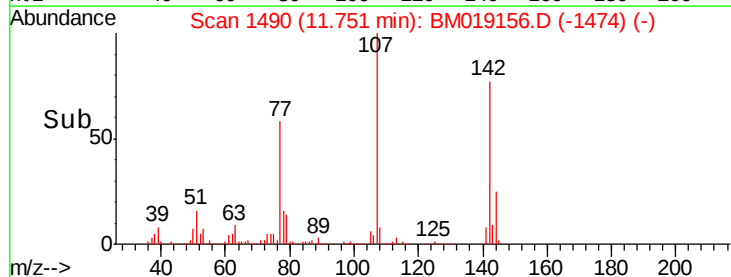
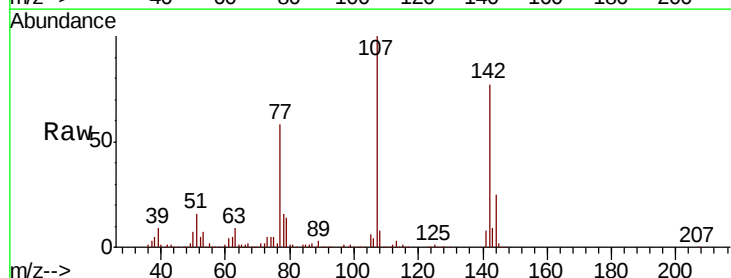
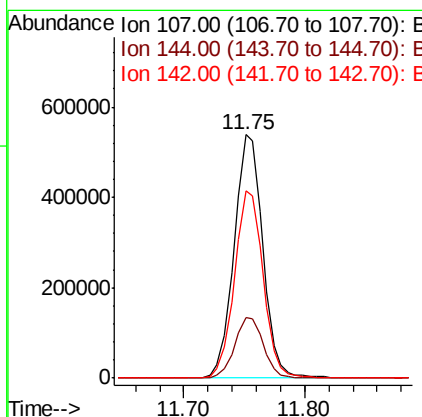
RT: 11.75 min Scan# 1490

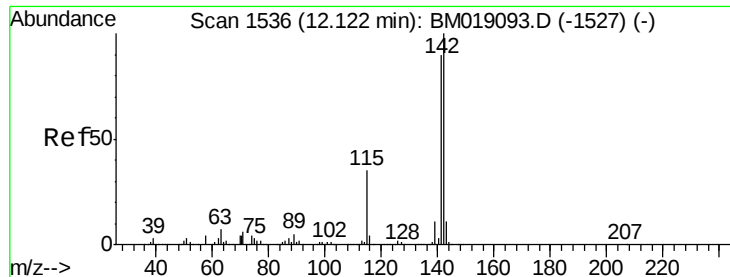
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 893965 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.8  | 20.2  | 30.4   |
| 142       | 76.7  | 62.4  | 93.6   |





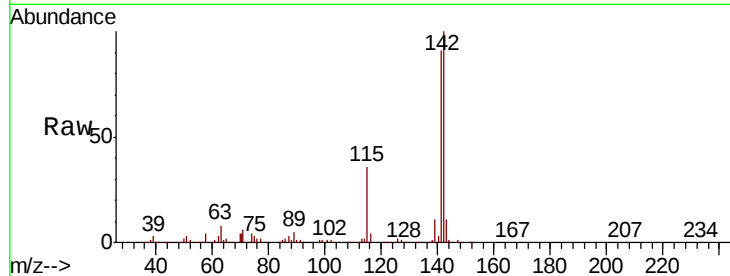
#37  
2-Methylnaphthalene  
Concen: 47.785 ng  
RT: 12.12 min Scan# 1552  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.6  | 72.3  | 108.5 |
| 115     | 36.2  | 27.8  | 41.8  |

Manual Integrations  
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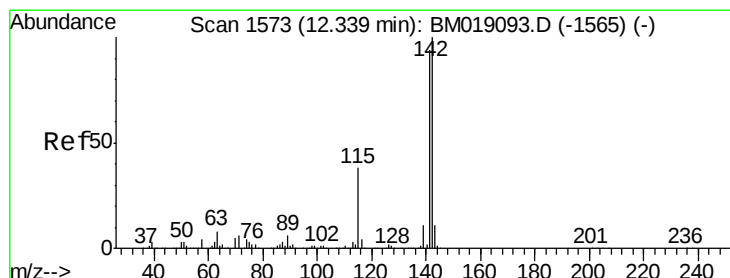
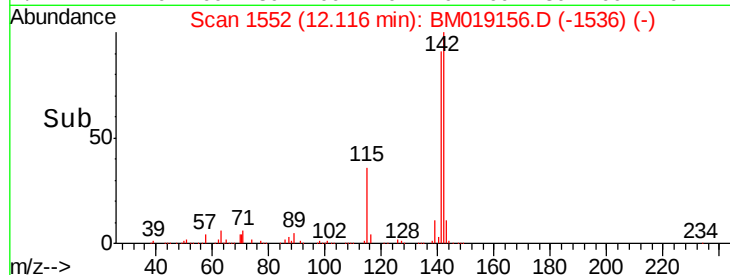
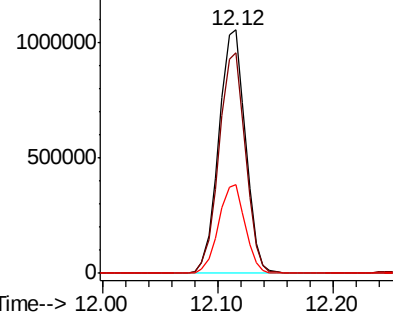


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
1-Methylnaphthalene  
Concen: 46.557 ng  
RT: 12.33 min Scan# 1589  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

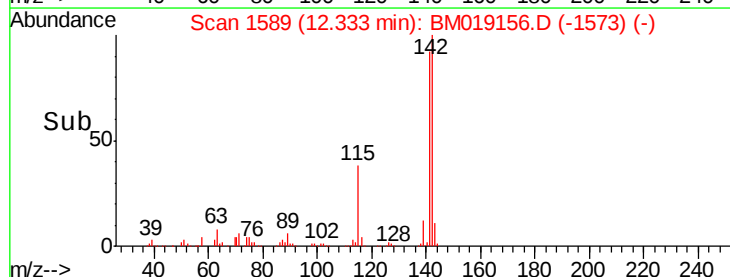
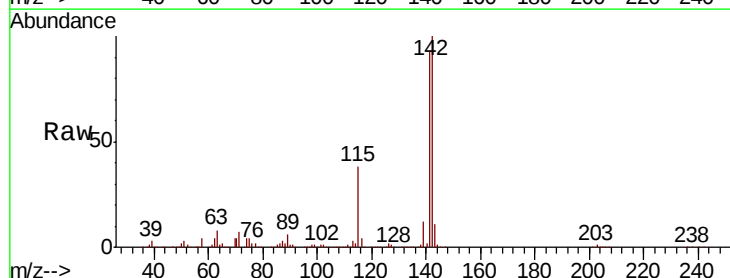
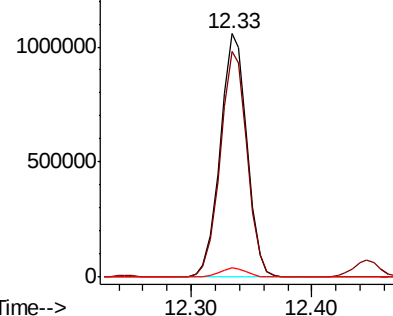
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 74.9  | 112.3 |
| 116     | 4.1   | 3.2   | 4.8   |

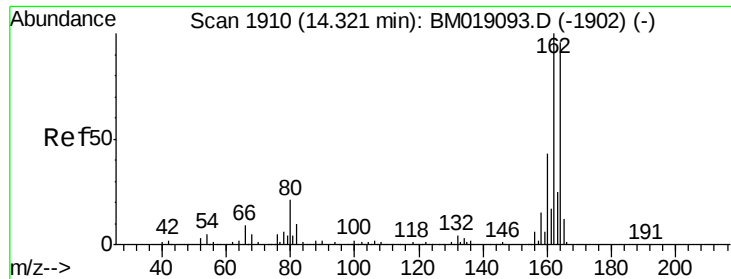
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





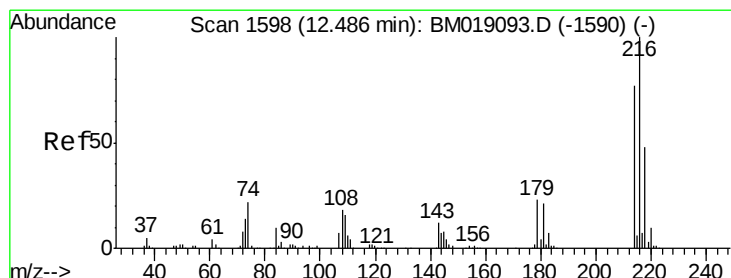
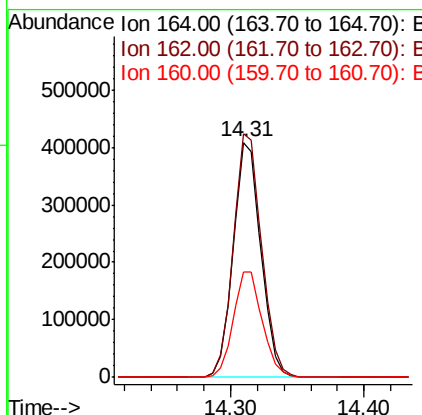
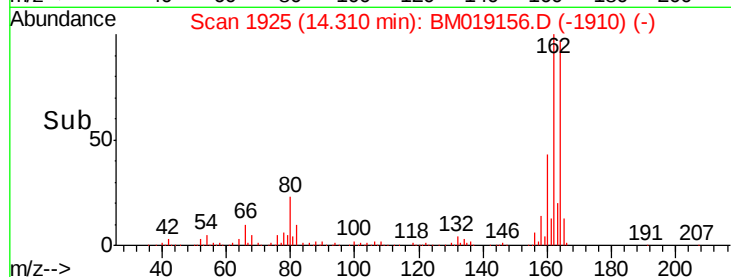
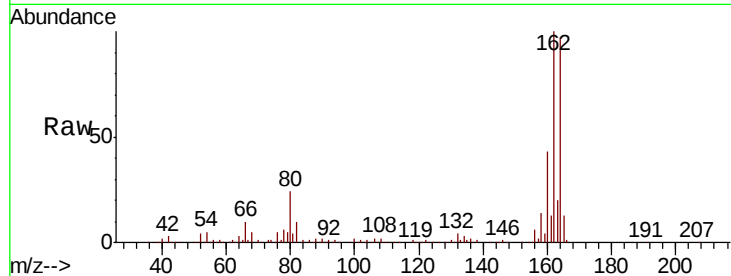
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.31 min Scan# 1925  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 103.5 | 83.5 | 125.3 |       |
| 160     | 45.0  | 36.3 | 54.5  |       |

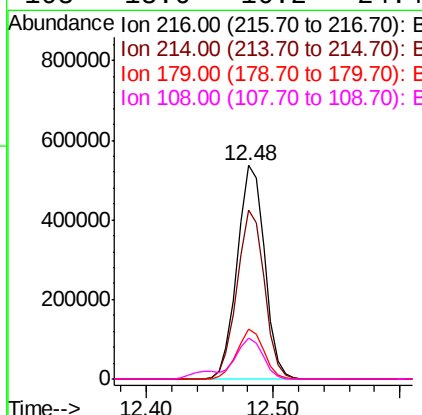
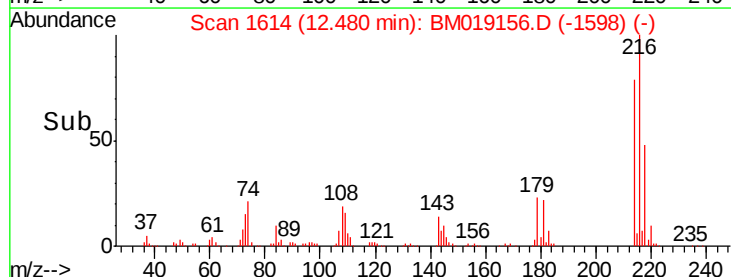
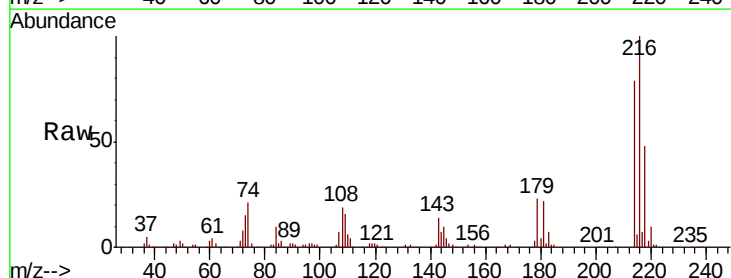
Manual Integrations  
APPROVED

Sohil  
3/14/2019 3:38:06 PM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.184 ng  
RT: 12.48 min Scan# 1614  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 78.6  | 62.9 | 94.3  |       |
| 179     | 22.7  | 18.0 | 27.0  |       |
| 108     | 18.6  | 16.2 | 24.4  |       |





#41

Hexachlorocyclopentadiene

Concen: 101.114 ng

RT: 12.45 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

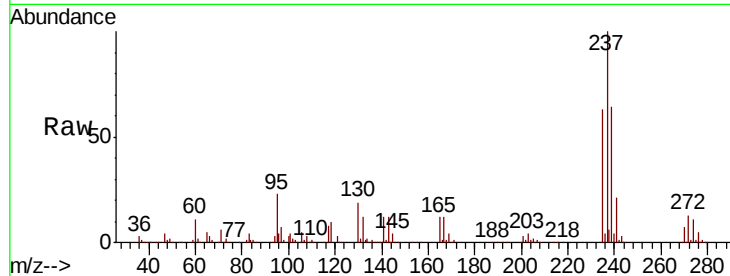
ClientSampleId :

BF-10-031119MSD

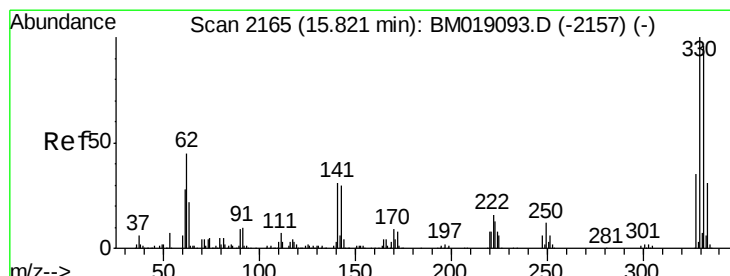
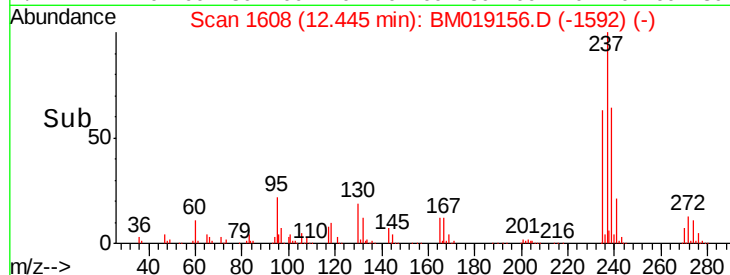
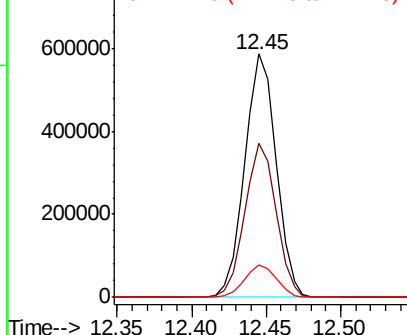
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 854125 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.3  | 41.3  | 81.3   |
| 272       | 13.4  | 0.0   | 33.1   |

Manual Integrations  
APPROVED

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3/14/2019 3:38:06 PM



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: 159.457 ng

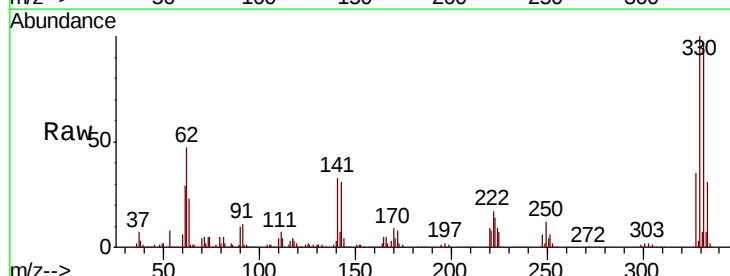
RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

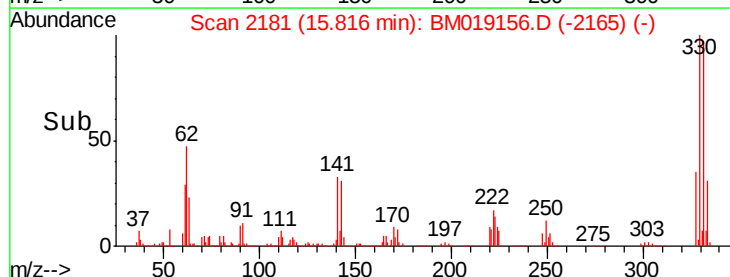
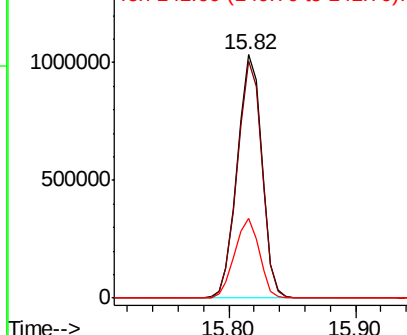
Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 330   | Resp: | 1387970 |
| Ion Ratio | Lower | Upper |         |
| 330       | 100   |       |         |
| 332       | 97.2  | 76.8  | 115.2   |
| 141       | 32.8  | 27.0  | 40.4    |



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





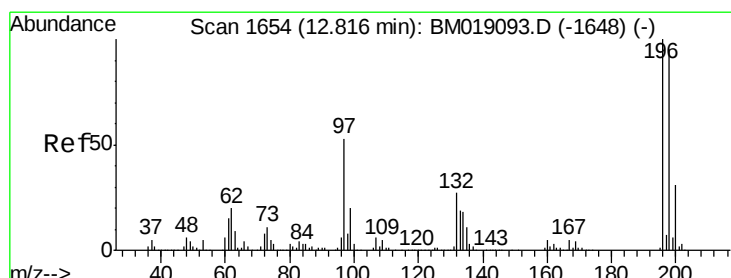
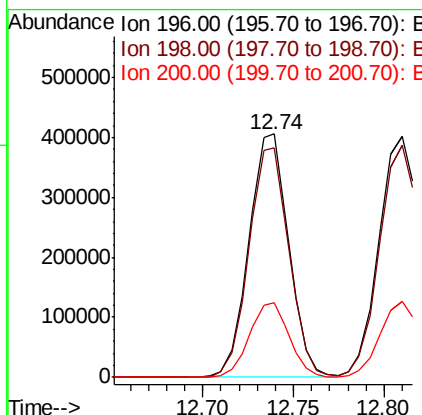
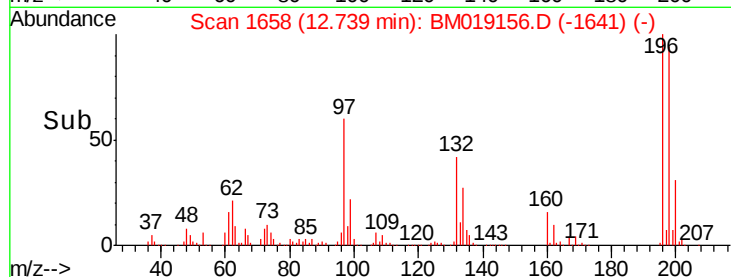
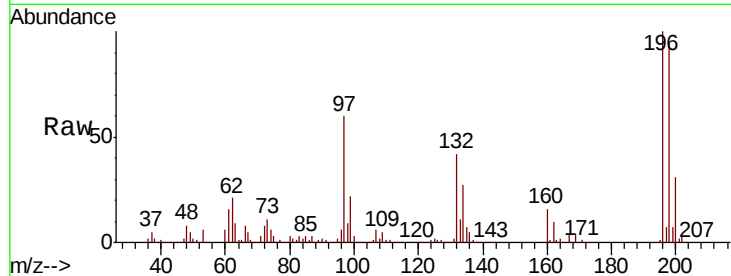
#43  
 2,4,6-Trichlorophenol  
 Concen: 51.444 ng  
 RT: 12.74 min Scan# 1658  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.5  | 75.4  | 113.0 |
| 200     | 30.8  | 24.2  | 36.2  |

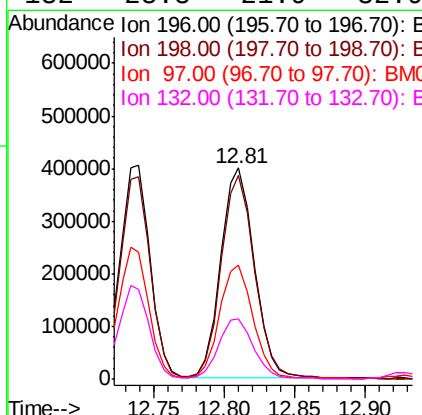
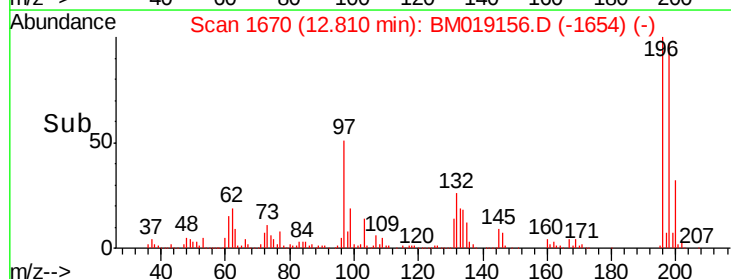
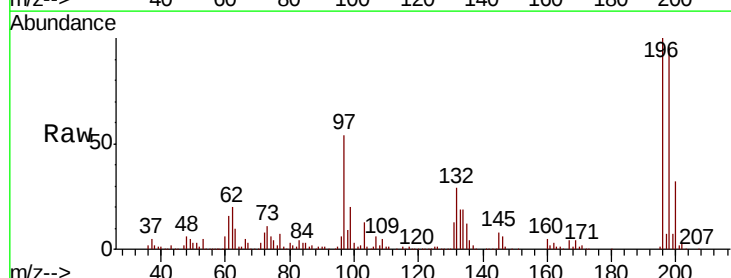
Manual Integrations  
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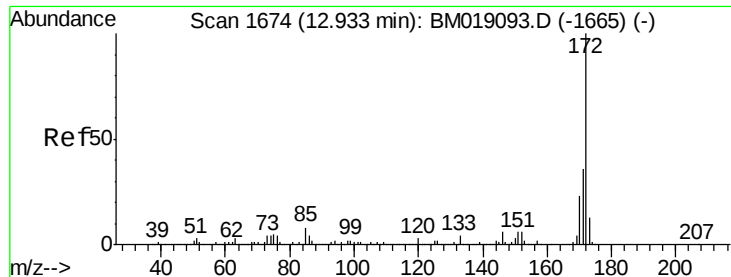
Sohil  
 3/14/2019 3:38:06 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.132 ng  
 RT: 12.81 min Scan# 1670  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.3  | 75.9  | 113.9 |
| 97      | 53.7  | 42.5  | 63.7  |
| 132     | 28.8  | 21.9  | 32.9  |





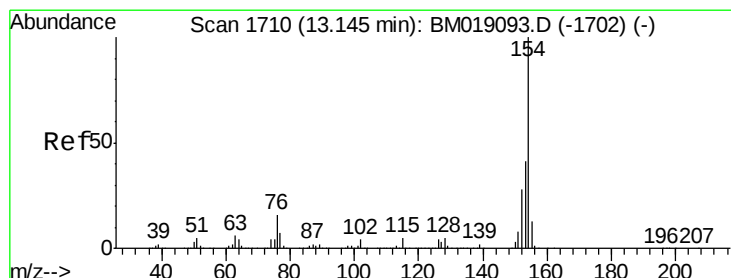
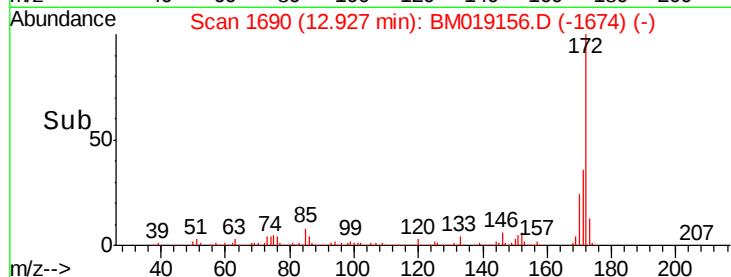
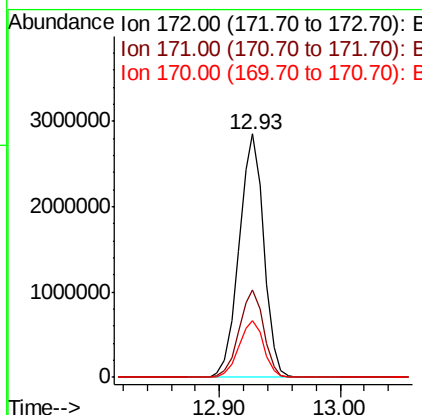
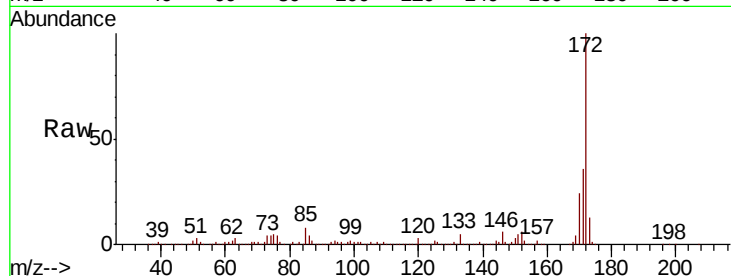
#45  
2-Fluorobiphenyl  
Concen: 89.074 ng  
RT: 12.93 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.6  | 42.8  |
| 170     | 23.5  | 18.6  | 28.0  |

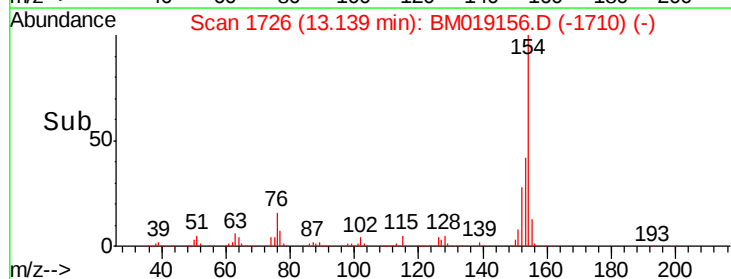
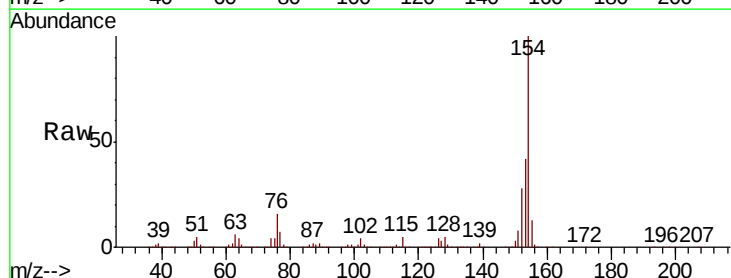
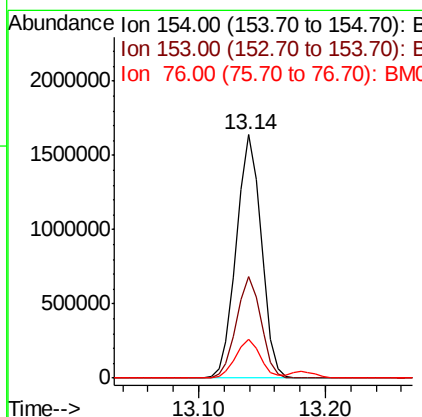
Manual Integrations  
APPROVED

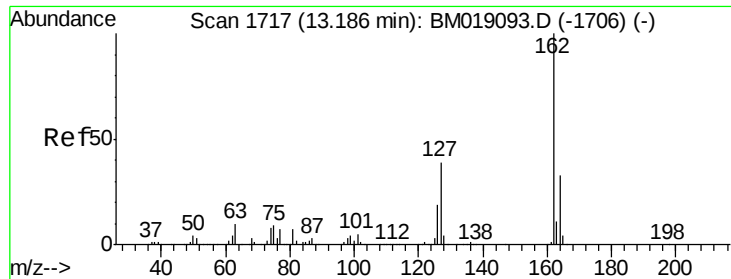
Sohil  
3/14/2019 3:38:06 PM



#46  
1,1'-Biphenyl  
Concen: 43.515 ng  
RT: 13.14 min Scan# 1726  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 21.5  | 61.5  |
| 76      | 15.8  | 0.0   | 35.8  |





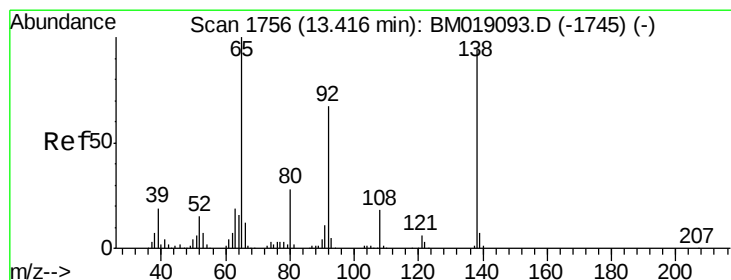
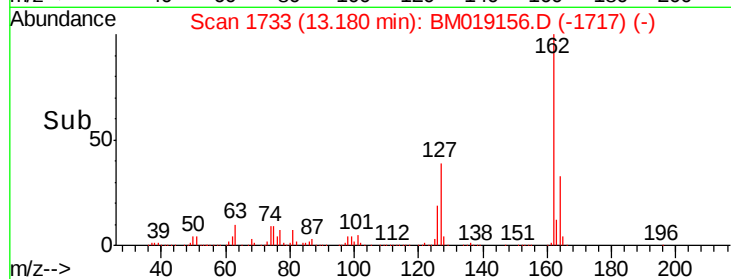
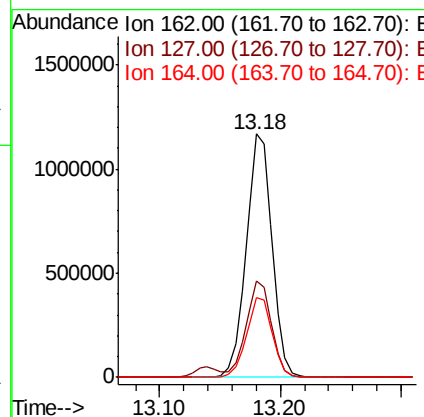
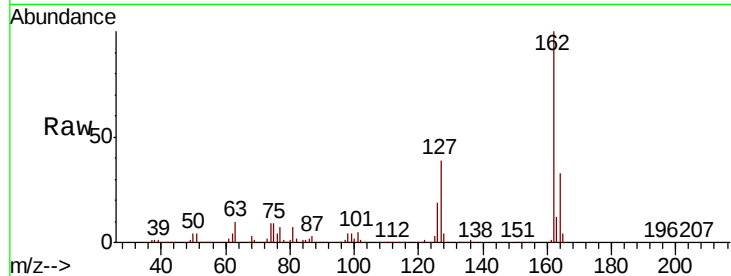
#47  
2-Chloronaphthalene  
Concen: 45.193 ng  
RT: 13.18 min Scan# 1733  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.5  | 31.2  | 46.8  |
| 164     | 32.8  | 26.3  | 39.5  |

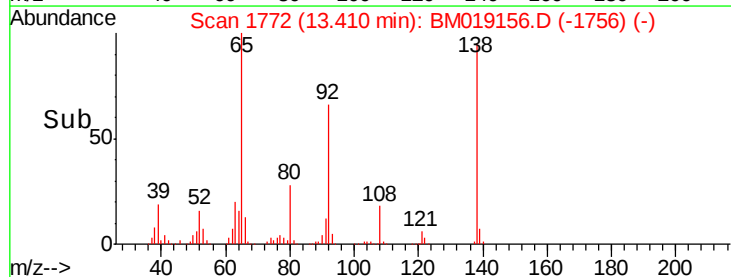
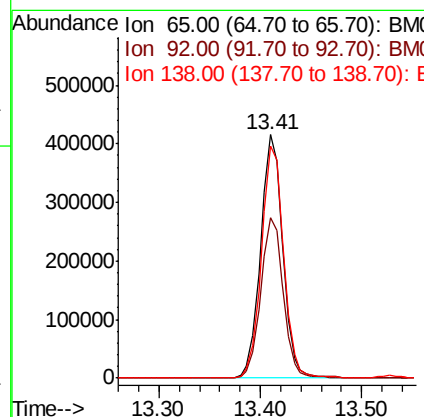
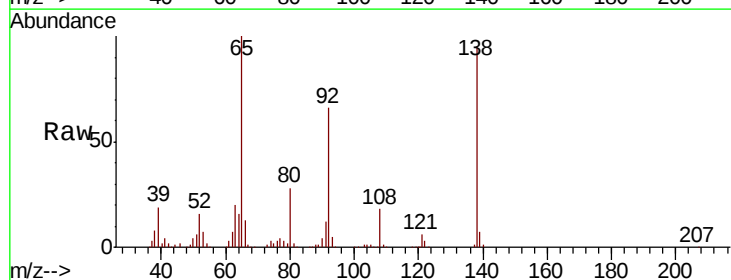
Manual Integrations  
APPROVED

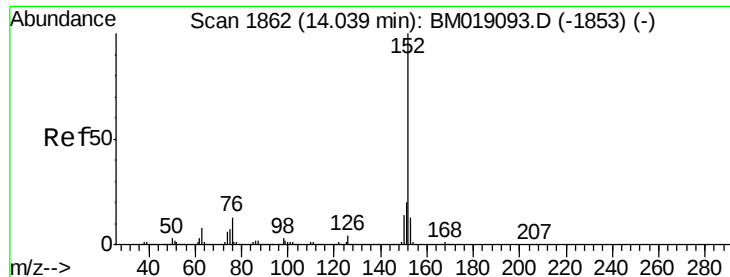
Sohil  
3/14/2019 3:38:06 PM



#48  
2-Nitroaniline  
Concen: 49.076 ng  
RT: 13.41 min Scan# 1772  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.8  | 53.4  | 80.2  |
| 138     | 95.4  | 74.9  | 112.3 |





#49

Acenaphthylene

Concen: 44.656 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion:152 Resp: 2901754

Ion Ratio Lower Upper

152 100

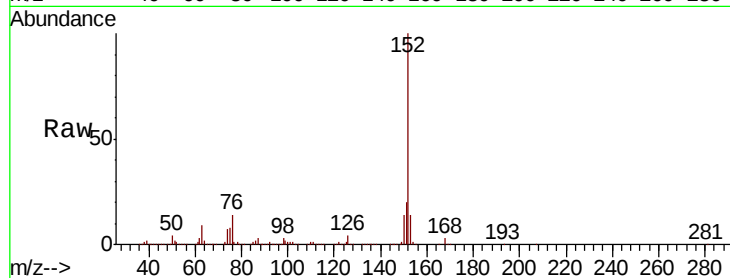
151 20.3 16.2 24.2

153 13.5 10.6 15.8

Manual Integrations  
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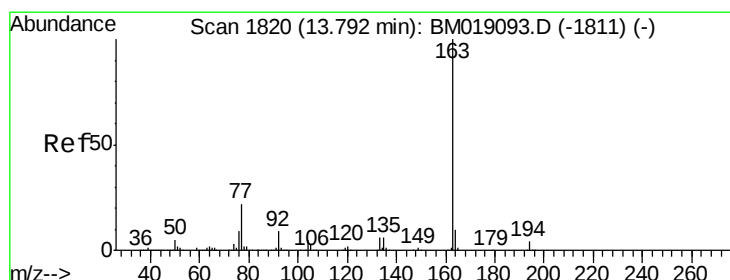
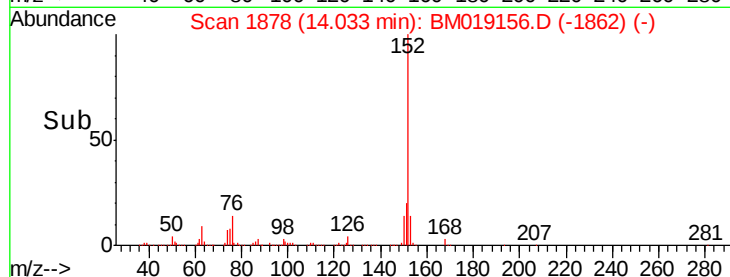
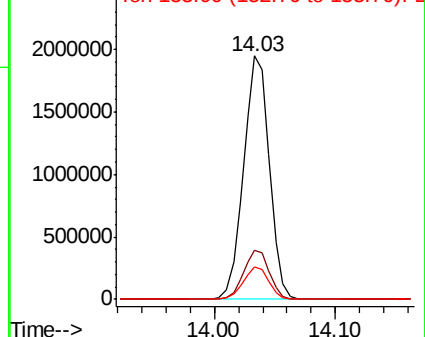


Abundance

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: 52.317 ng

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

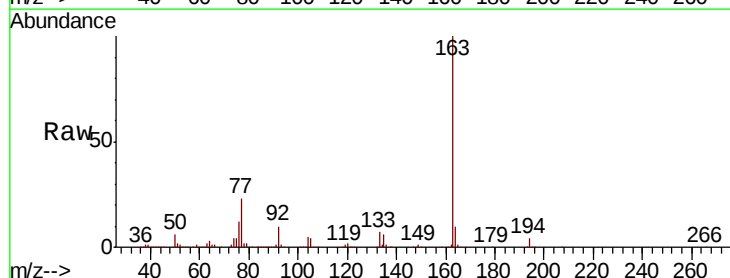
Tgt Ion:163 Resp: 2638480

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 7.7 11.5

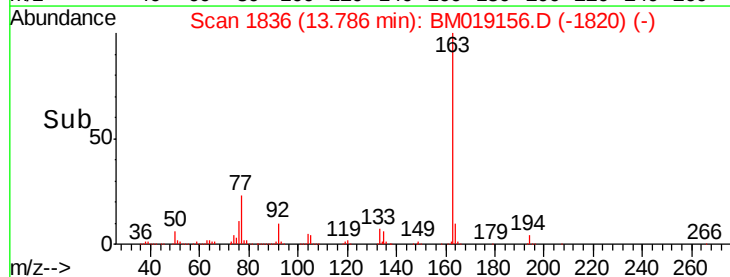
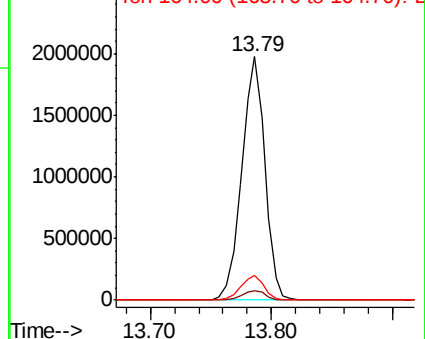


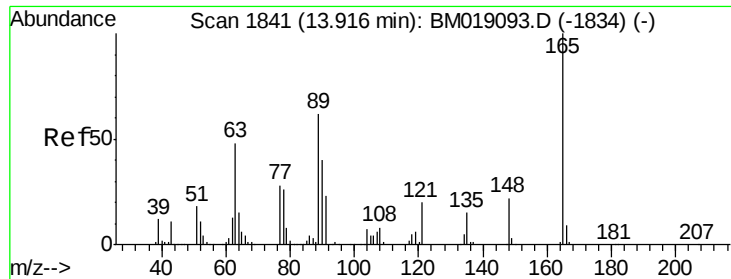
Abundance

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





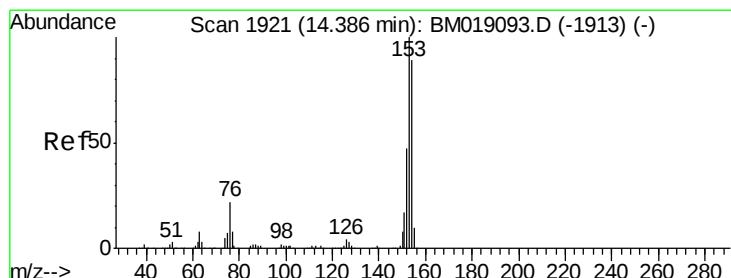
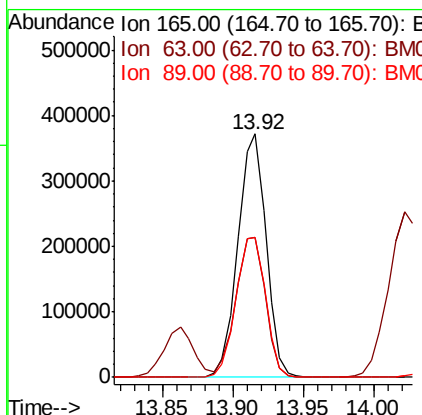
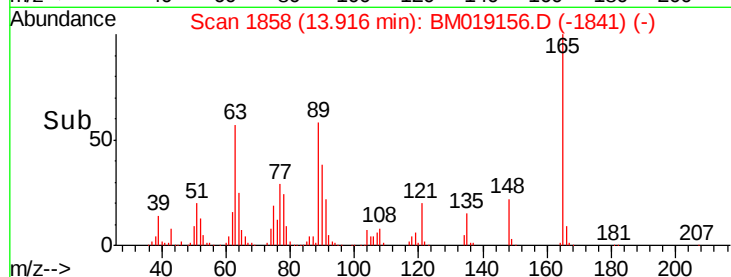
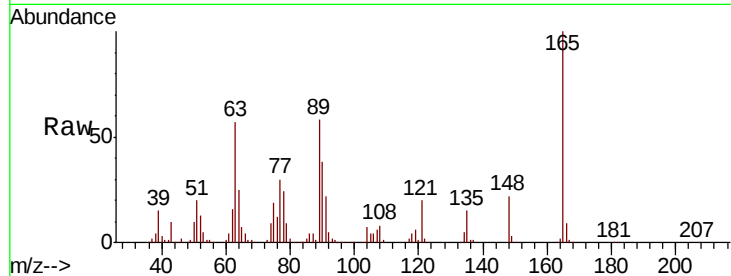
#51  
 2,6-Dinitrotoluene  
 Concen: 47.627 ng  
 RT: 13.92 min Scan# 1858  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 519236 |       |       |
| 63      | 57.2  | 48.2   | 72.4  |       |
| 89      | 57.7  | 49.3   | 73.9  |       |

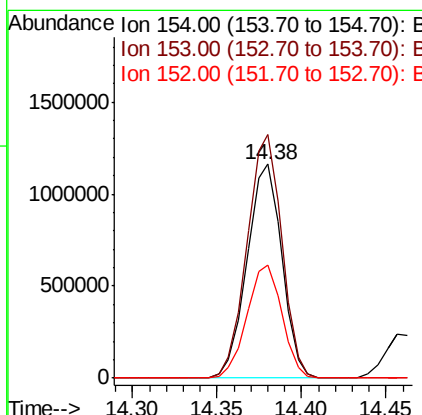
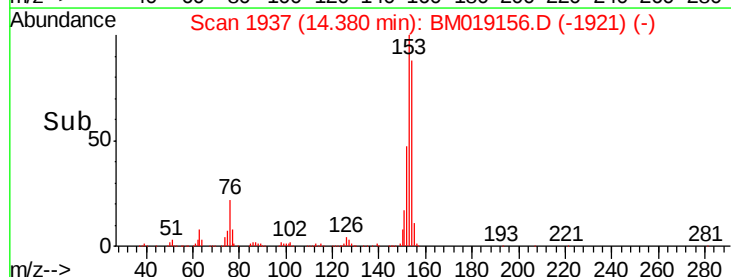
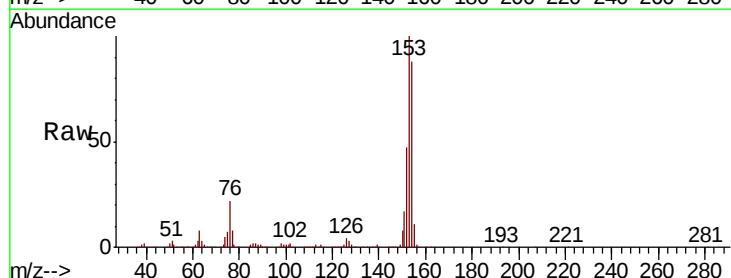
Manual Integrations  
 APPROVED

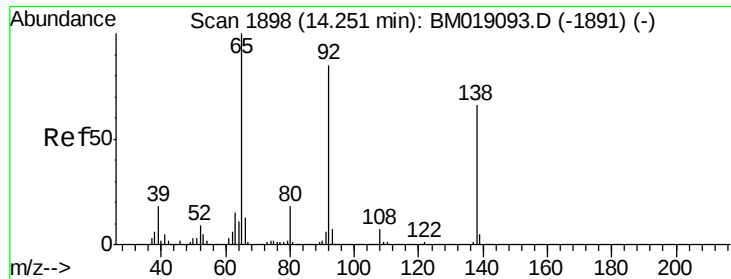
Sohil  
 3/14/2019 3:38:06 PM



#52  
 Acenaphthene  
 Concen: 44.784 ng  
 RT: 14.38 min Scan# 1937  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1672157 |       |       |
| 153     | 113.7 | 90.1    | 135.1 |       |
| 152     | 53.0  | 42.5    | 63.7  |       |





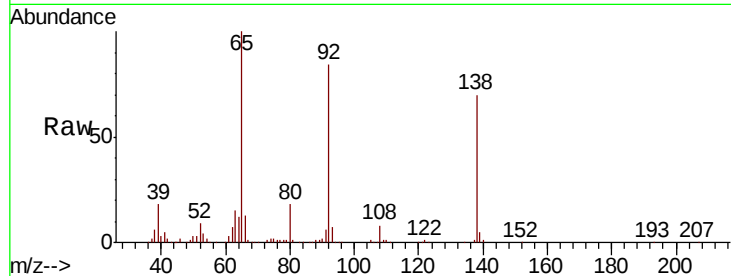
#53  
3-Nitroaniline  
Concen: 27.135 ng  
RT: 14.25 min Scan# 1915  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 11.4  | 9.0   | 13.4  |
| 92      | 120.5 | 102.6 | 153.8 |

Manual Integrations  
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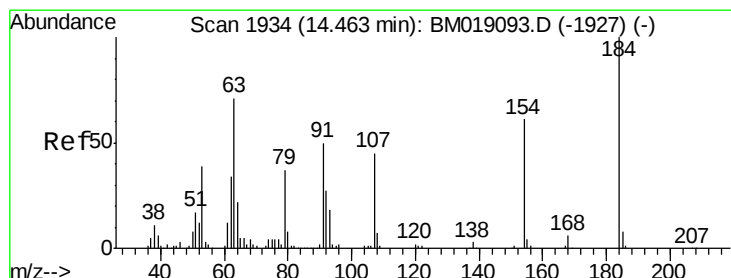
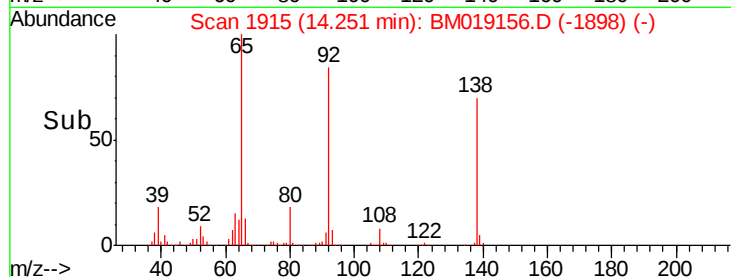
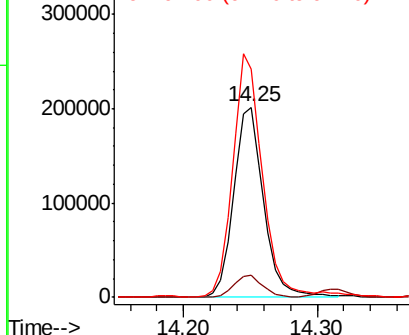


Abundance

Ion 138.00 (137.70 to 138.70): E

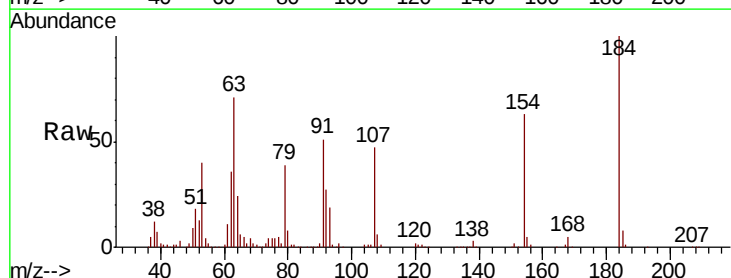
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54  
2,4-Dinitrophenol  
Concen: 89.681 ng  
RT: 14.46 min Scan# 1950  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 71.5  | 56.7  | 85.1  |
| 154     | 63.2  | 49.3  | 73.9  |

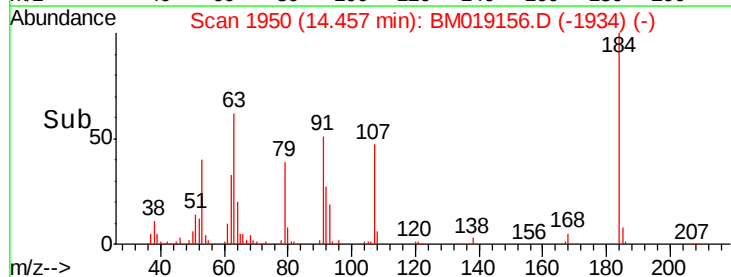
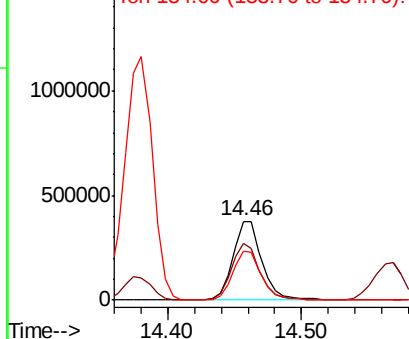


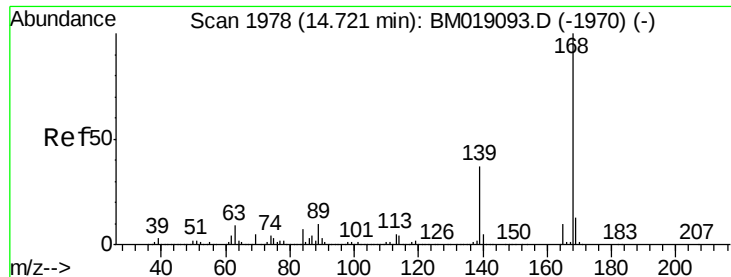
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





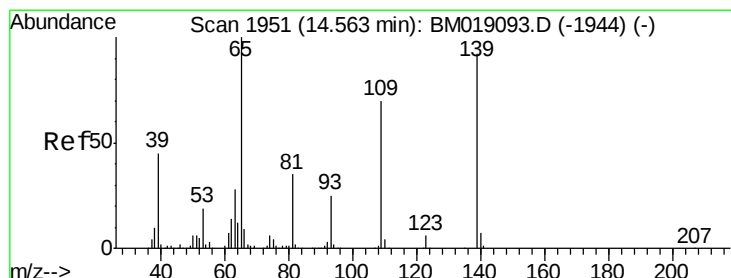
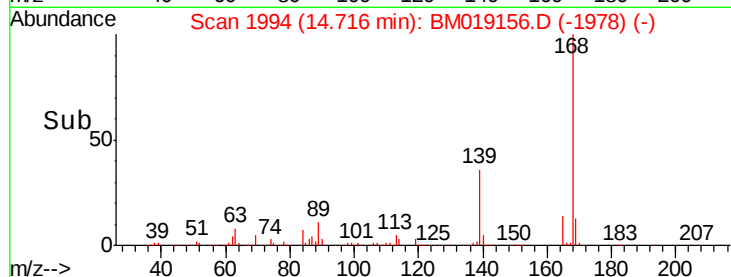
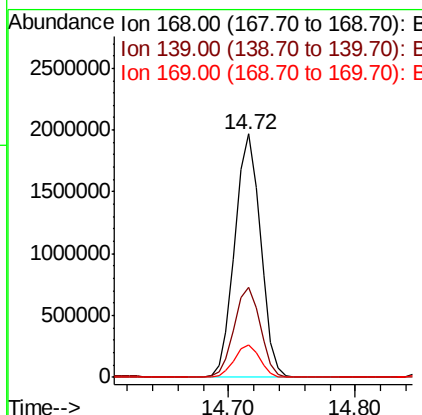
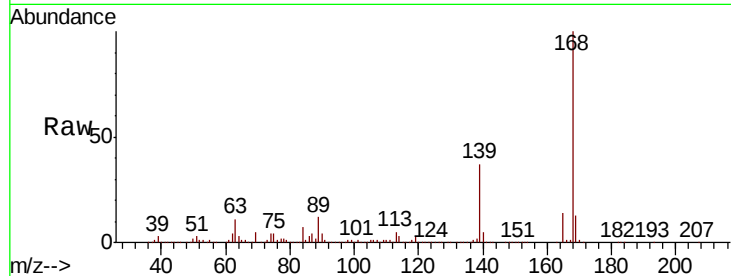
#55  
Dibenzenofuran  
Concen: 45.885 ng  
RT: 14.72 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.9  | 30.1  | 45.1  |
| 169     | 13.3  | 10.6  | 16.0  |

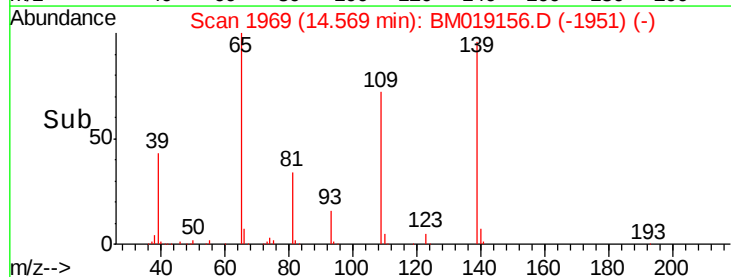
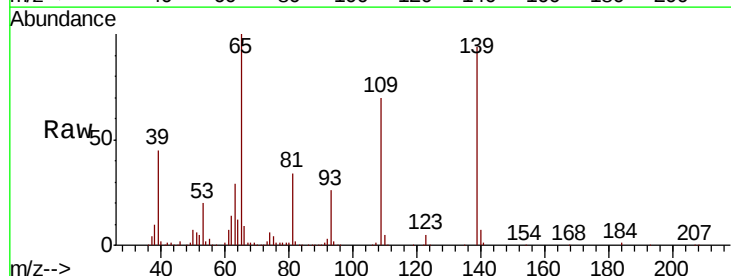
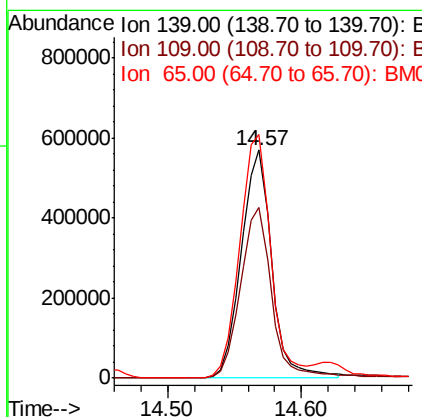
Manual Integrations  
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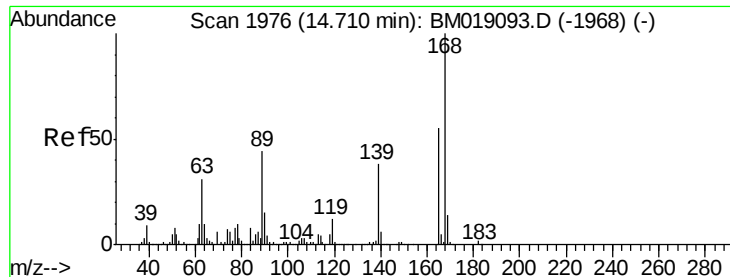
Sohil  
3/14/2019 3:38:06 PM



#56  
4-Nitrophenol  
Concen: 95.372 ng  
RT: 14.57 min Scan# 1969  
Delta R.T. 0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 75.0  | 56.3  | 96.3  |
| 65      | 106.9 | 89.2  | 129.2 |





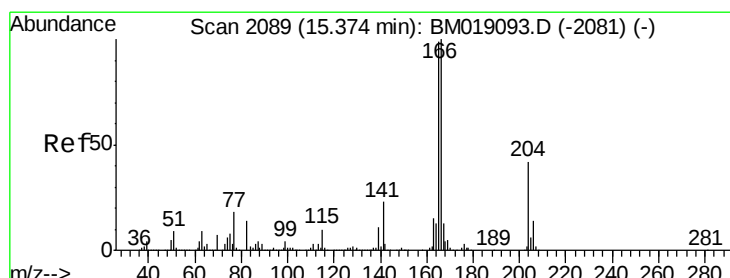
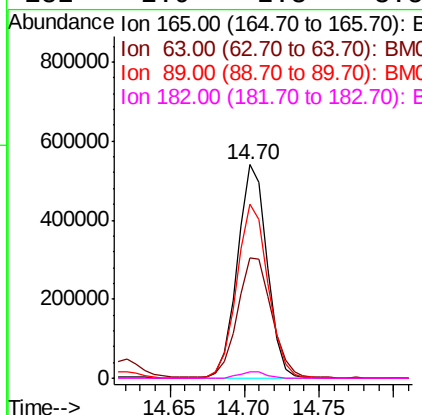
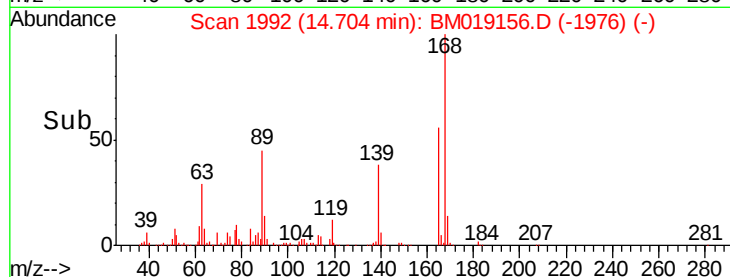
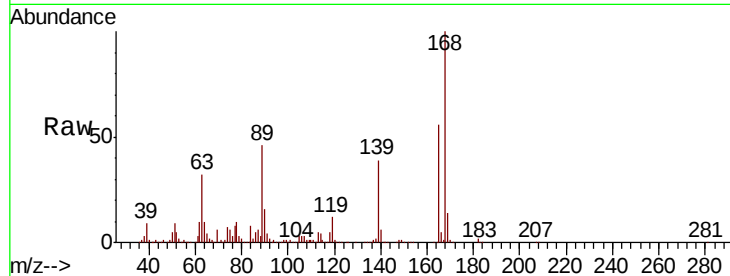
#57  
2,4-Dinitrotoluene  
Concen: 47.160 ng  
RT: 14.70 min Scan# 1992  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 746311 |       |       |
| 63      | 56.2 | 44.7  | 67.1   |       |       |
| 89      | 81.6 | 63.4  | 95.2   |       |       |
| 182     | 2.9  | 2.3   | 3.5    |       |       |

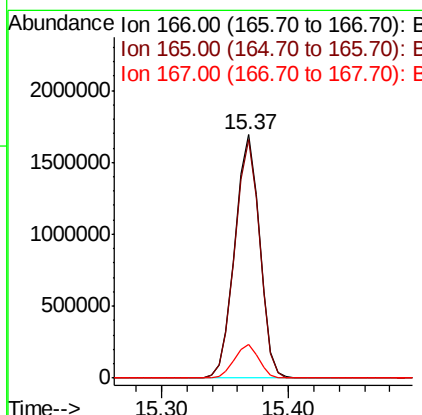
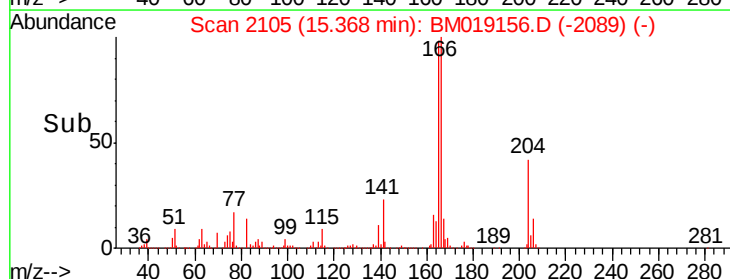
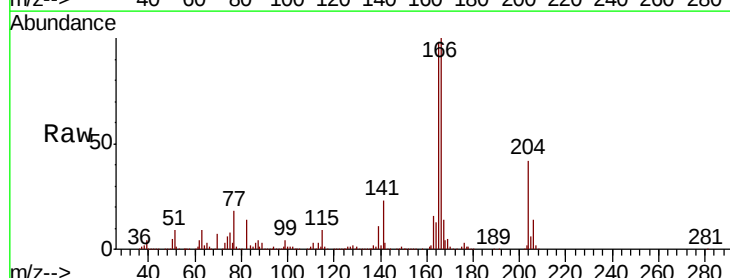
Manual Integrations  
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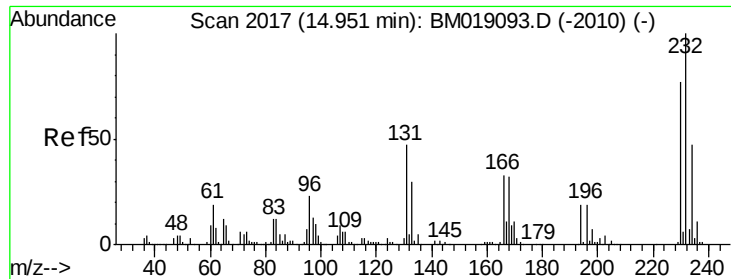
Sohil  
3/14/2019 3:38:06 PM



#58  
Fluorene  
Concen: 45.964 ng  
RT: 15.37 min Scan# 2105  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 2281341 |       |       |
| 165     | 97.8 | 79.0  | 118.4   |       |       |
| 167     | 13.6 | 10.8  | 16.2    |       |       |





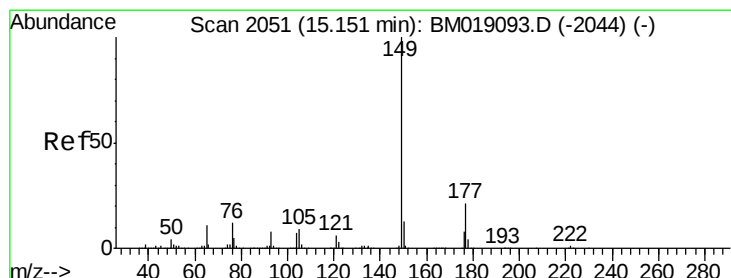
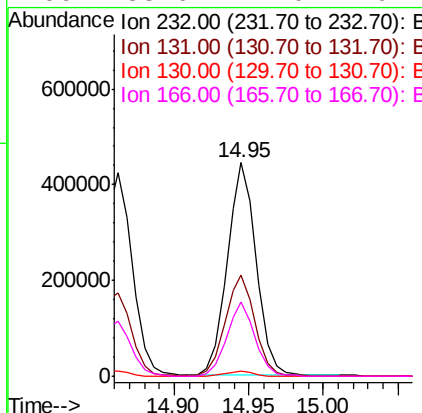
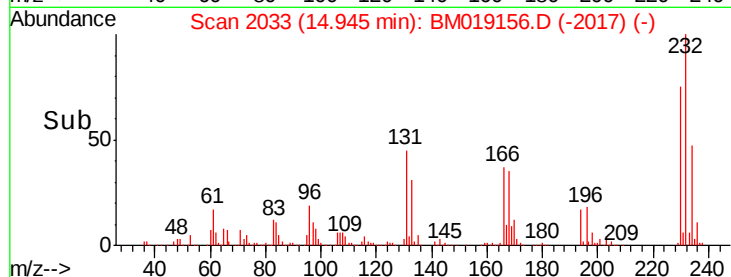
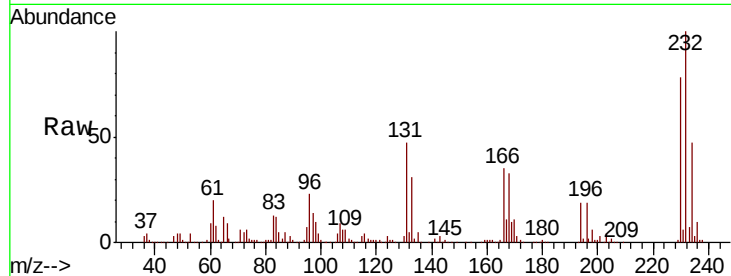
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.104 ng  
 RT: 14.95 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 601112 |       |       |
| 131     | 47.8  |        | 38.2  | 57.2  |
| 130     | 2.6   |        | 1.9   | 2.9   |
| 166     | 33.6  |        | 27.0  | 40.4  |

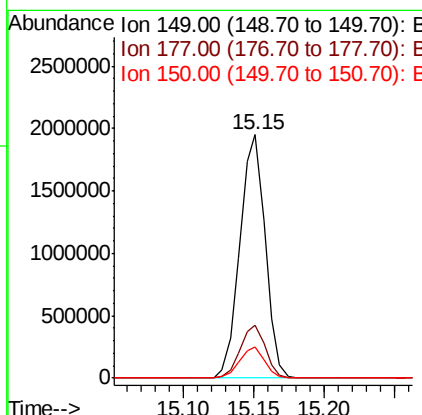
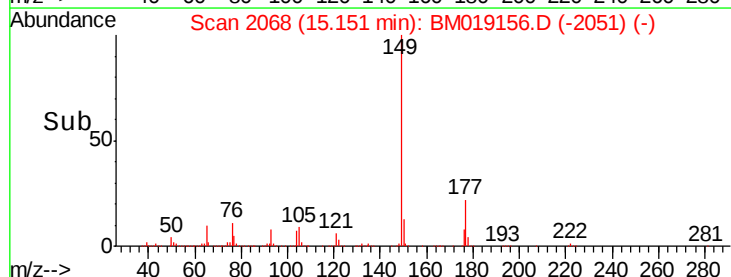
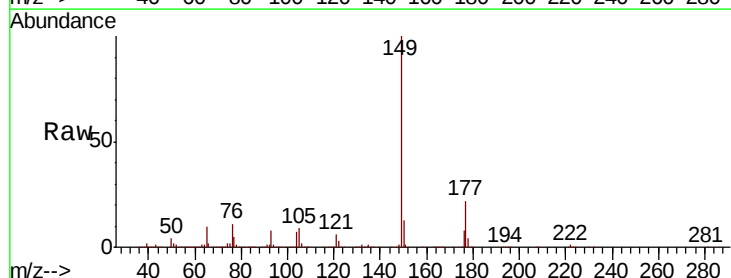
Manual Integrations  
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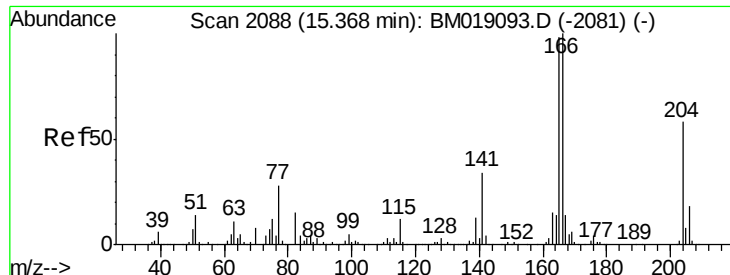
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 3/14/2019 3:38:06 PM



#60  
 Diethylphthalate  
 Concen: 47.829 ng  
 RT: 15.15 min Scan# 2068  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 2442961 |       |       |
| 177     | 22.0  |         | 17.0  | 25.6  |
| 150     | 12.5  |         | 10.2  | 15.4  |





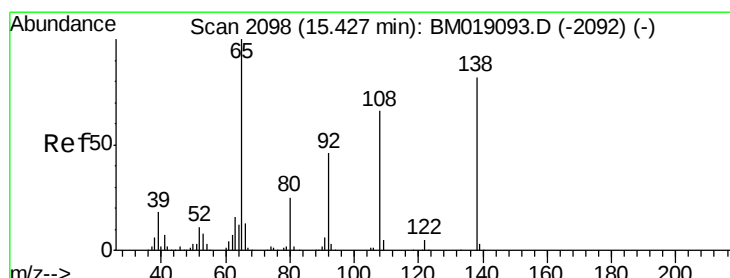
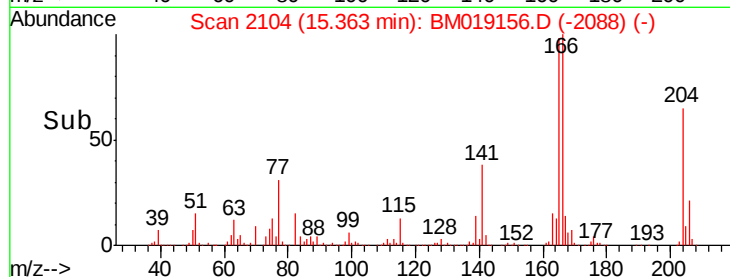
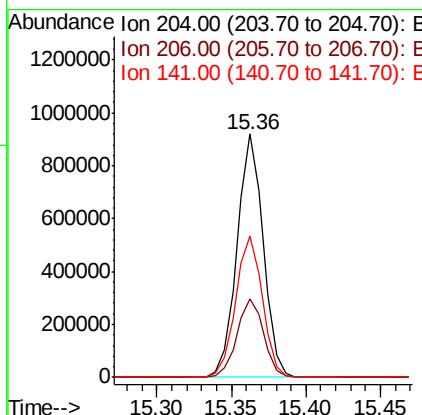
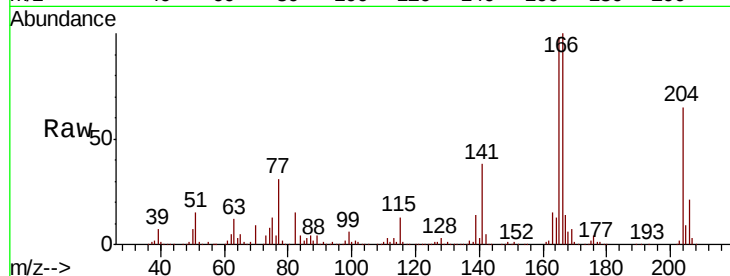
#61  
4-Chlorophenyl-phenylether  
Concen: 46.579 ng  
RT: 15.36 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 25.5  | 38.3  |
| 141     | 58.1  | 47.8  | 71.8  |

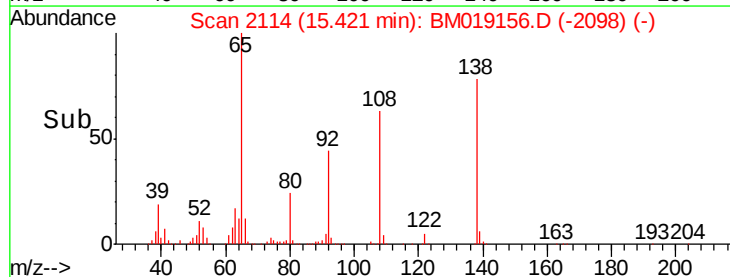
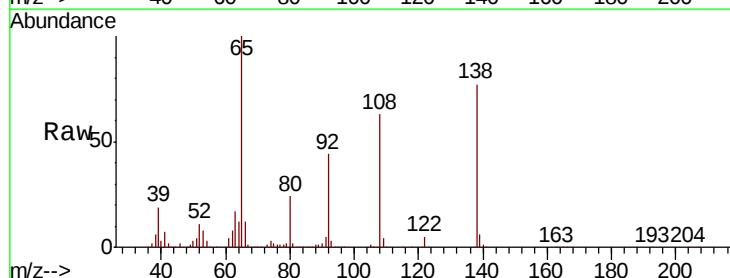
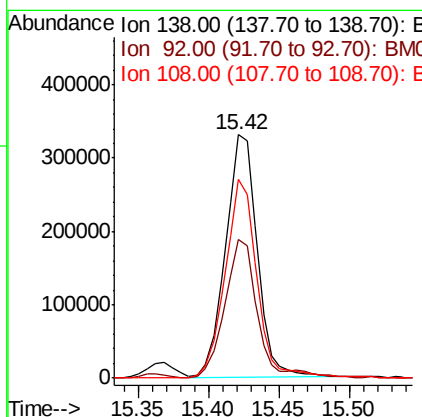
Manual Integrations  
APPROVED

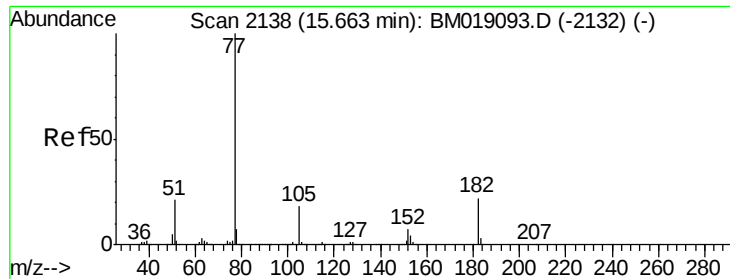
Sohil  
3/14/2019 3:38:06 PM



#62  
4-Nitroaniline  
Concen: 44.361 ng  
RT: 15.42 min Scan# 2114  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.0  | 36.2  | 76.2  |
| 108     | 81.6  | 59.7  | 99.7  |





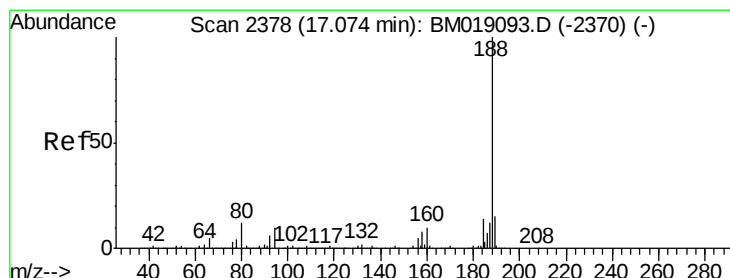
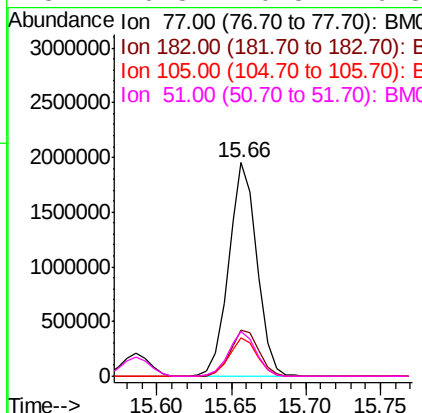
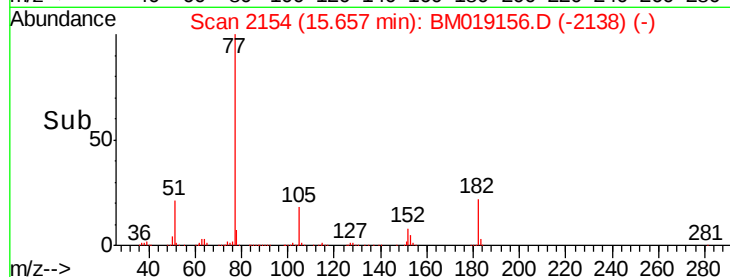
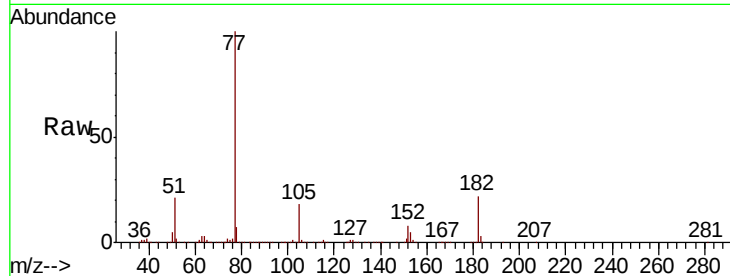
#63  
Azobenzene  
Concen: 47.818 ng  
RT: 15.66 min Scan# 2154  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 21.6 | 1.8   | 41.8  |       |
| 105     | 18.1 | 0.0   | 38.3  |       |
| 51      | 20.8 | 0.8   | 40.8  |       |

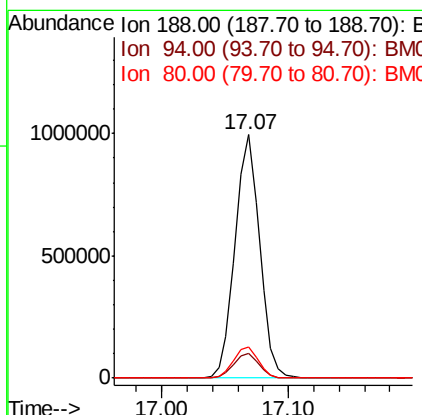
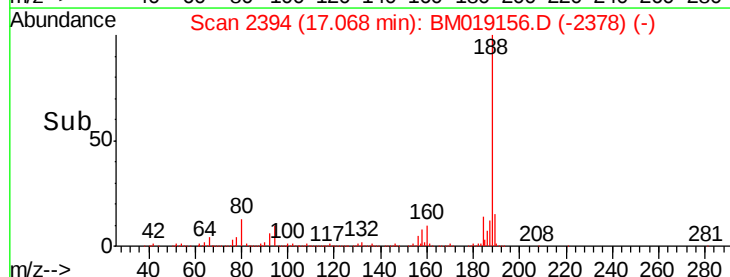
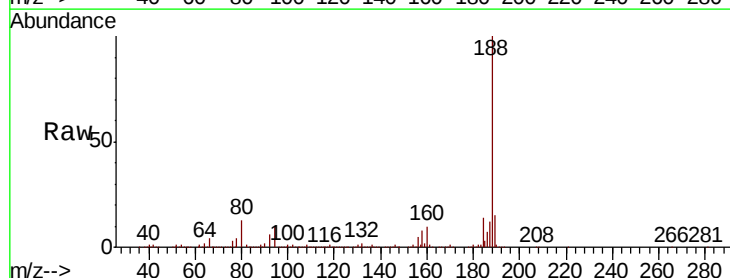
Manual Integrations  
APPROVED

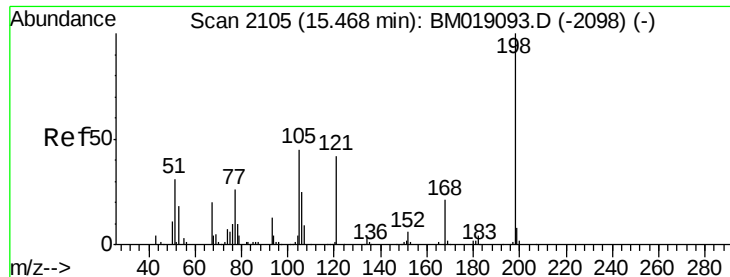
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.07 min Scan# 2394  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 10.0 | 8.1   | 12.1  |       |
| 80      | 12.8 | 9.7   | 14.5  |       |





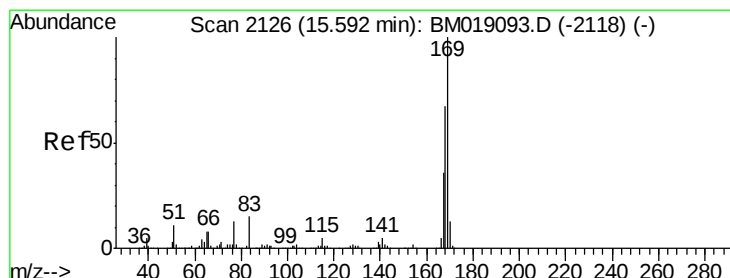
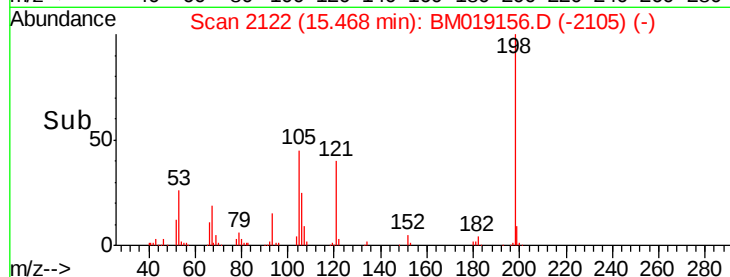
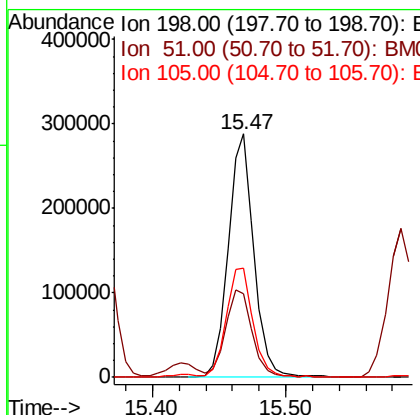
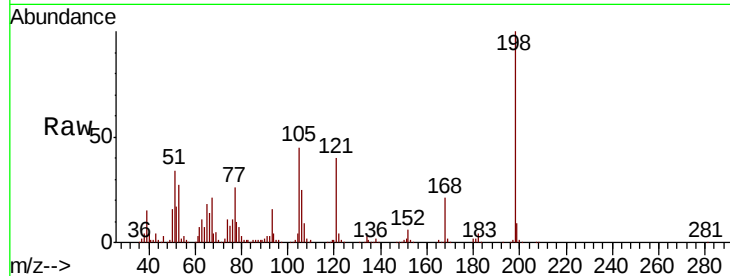
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.130 ng  
RT: 15.47 min Scan# 2122  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 385911 |       |       |
| 51      | 34.3  | 17.3   | 57.3  |       |
| 105     | 44.8  | 26.2   | 66.2  |       |

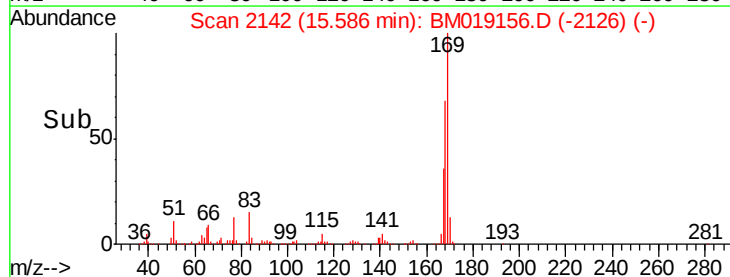
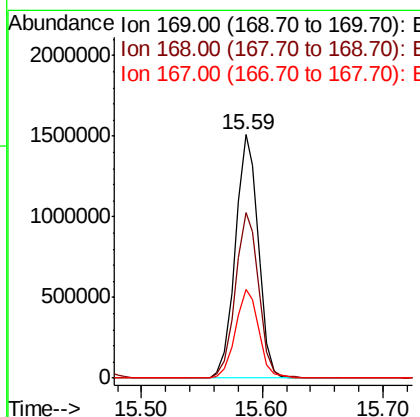
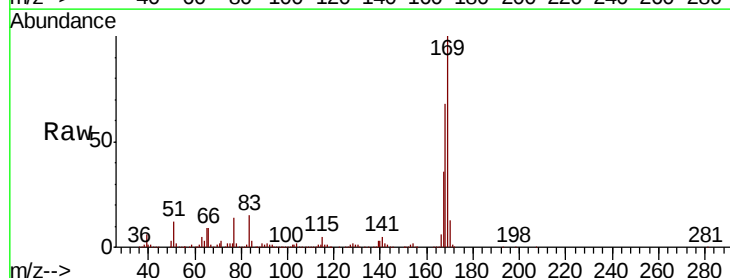
Manual Integrations  
APPROVED

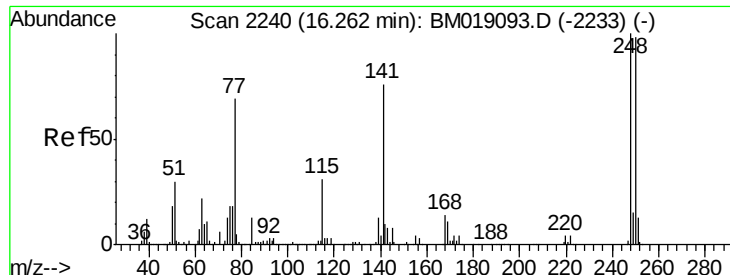
Sohil  
3/14/2019 3:38:06 PM



#66  
n-Nitrosodiphenylamine  
Concen: 47.002 ng  
RT: 15.59 min Scan# 2142  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 169     | 100   | 1996947 |       |       |
| 168     | 68.2  | 53.9    | 80.9  |       |
| 167     | 36.4  | 28.8    | 43.2  |       |





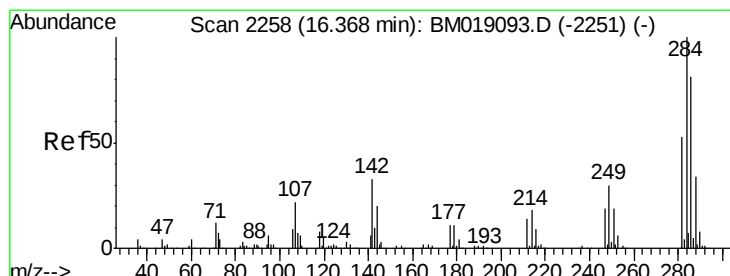
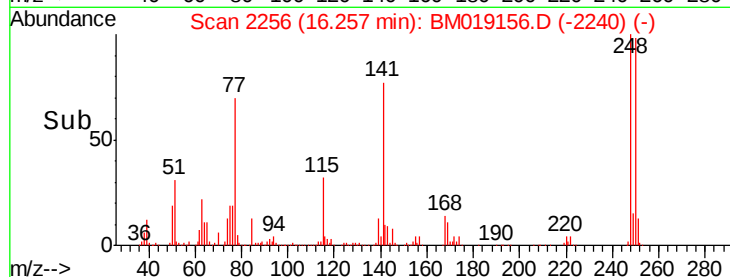
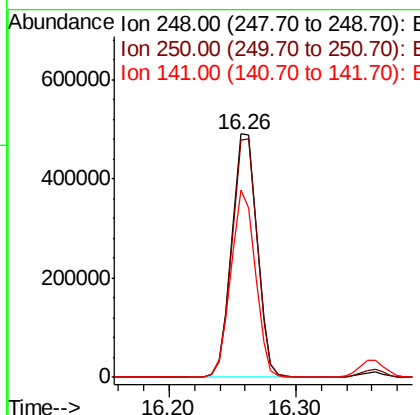
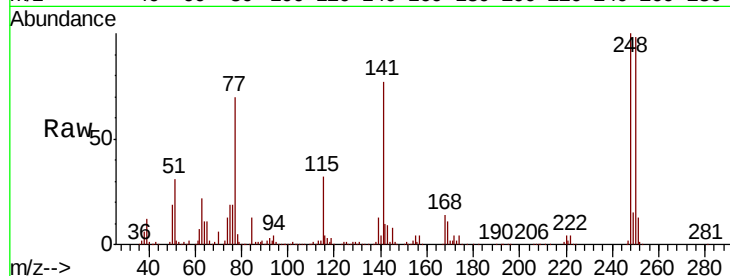
#67  
4-Bromophenyl-phenylether  
Concen: 45.959 ng  
RT: 16.26 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.6  | 78.0  | 117.0 |
| 141     | 76.9  | 61.0  | 91.4  |

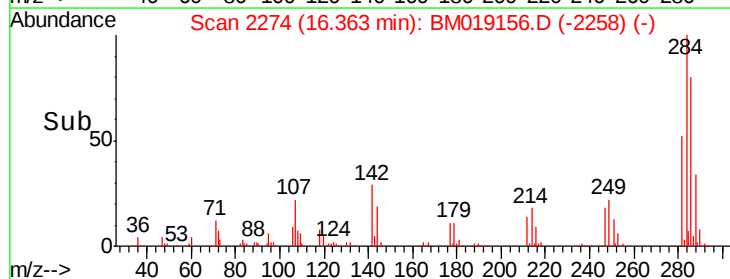
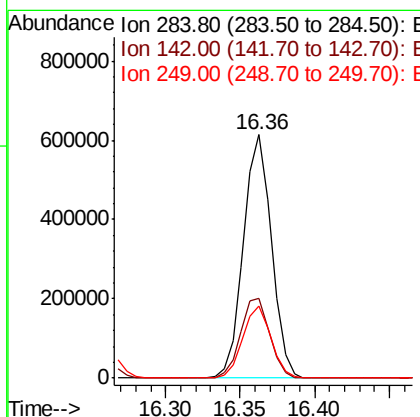
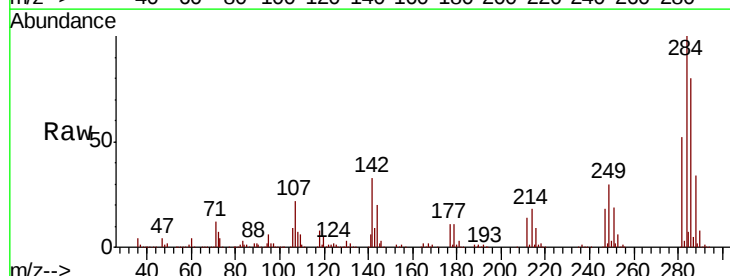
Manual Integrations  
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3/14/2019 3:38:06 PM



#68  
Hexachlorobenzene  
Concen: 45.571 ng  
RT: 16.36 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.6  | 26.3  | 39.5  |
| 249     | 29.5  | 24.1  | 36.1  |





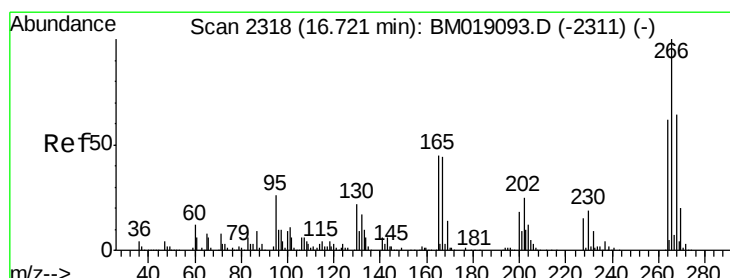
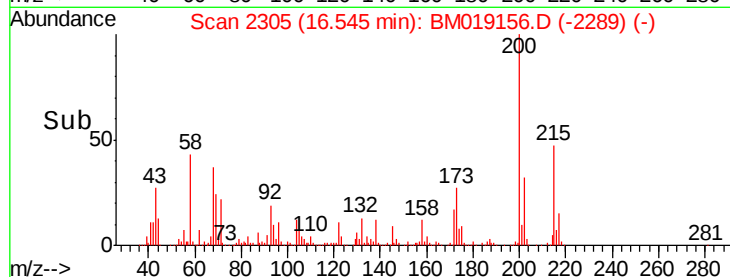
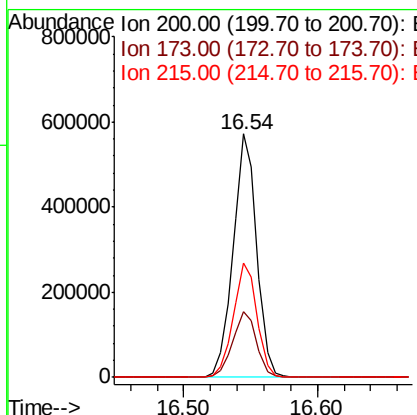
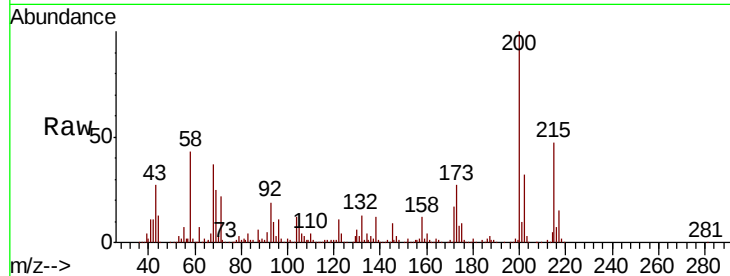
#69  
Atrazine  
Concen: 49.183 ng  
RT: 16.54 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 703400 |       |       |
| 173     | 27.1  | 7.0    | 47.0  |       |
| 215     | 46.8  | 27.7   | 67.7  |       |

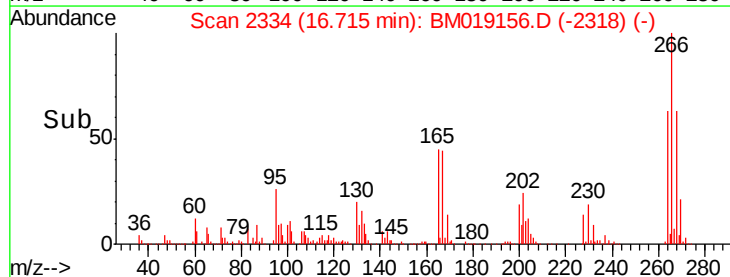
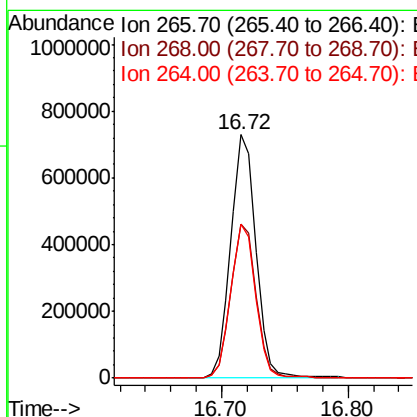
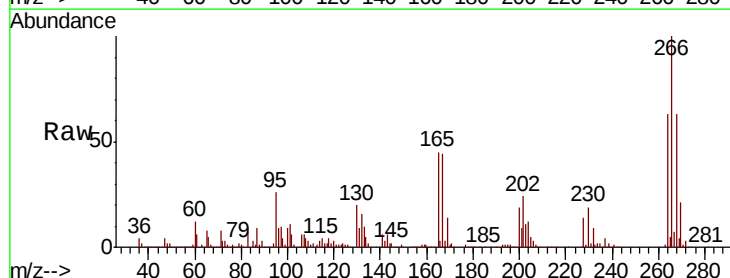
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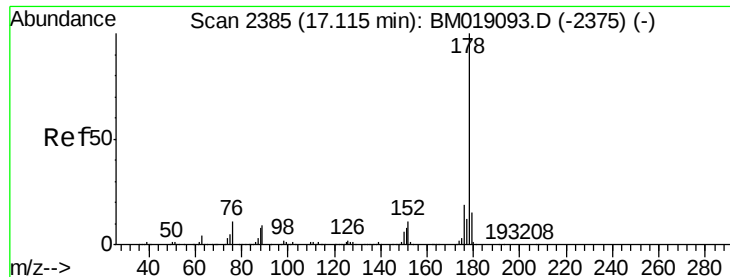
Sohil  
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#70  
Pentachlorophenol  
Concen: 95.065 ng  
RT: 16.72 min Scan# 2334  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 266     | 100   | 1002087 |       |       |
| 268     | 63.5  | 51.3    | 76.9  |       |
| 264     | 63.1  | 50.0    | 75.0  |       |





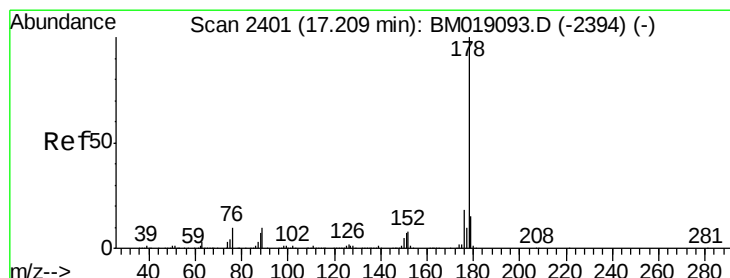
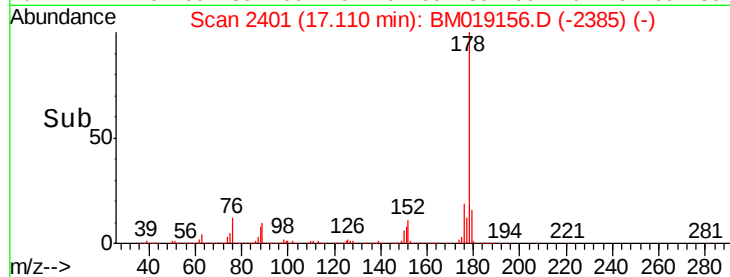
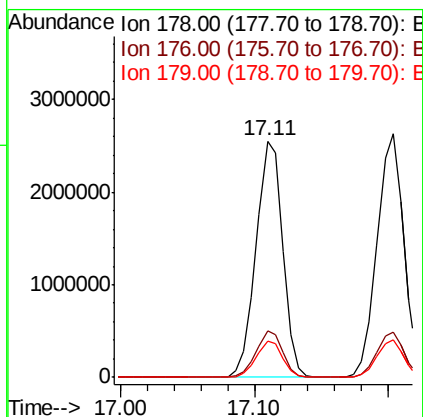
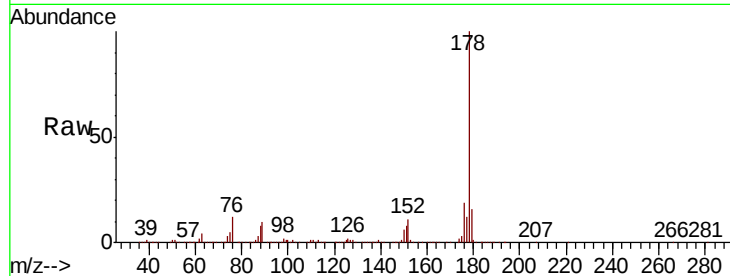
#71  
Phenanthrene  
Concen: 44.808 ng  
RT: 17.11 min Scan# 2401  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

Tot Ion:178 Resp: 3504862  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.5 12.2 18.2

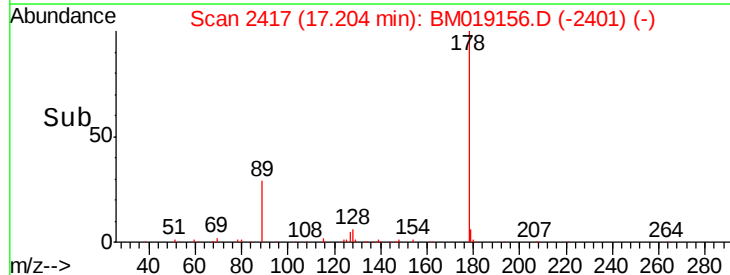
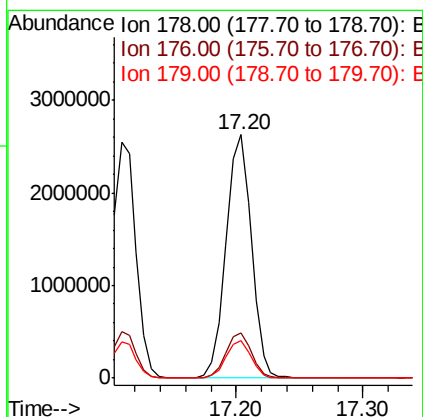
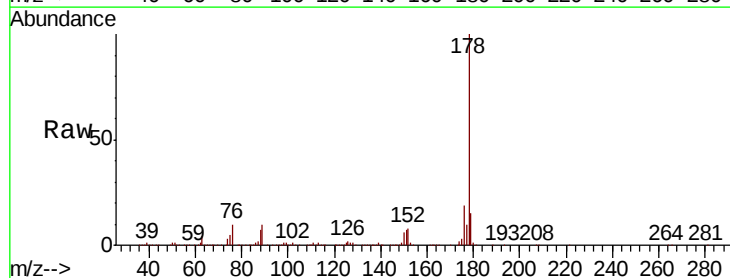
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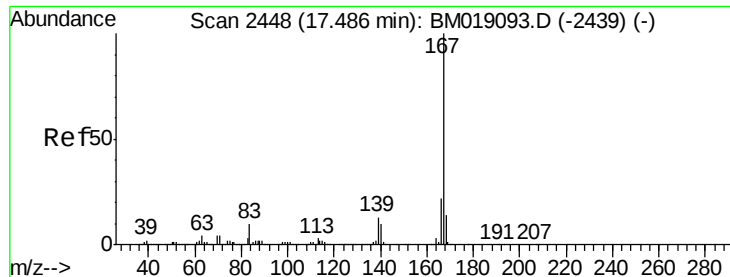
Sohil  
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#72  
Anthracene  
Concen: 47.310 ng  
RT: 17.20 min Scan# 2417  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:178 Resp: 3622742  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 22.0  
179 15.3 11.9 17.9





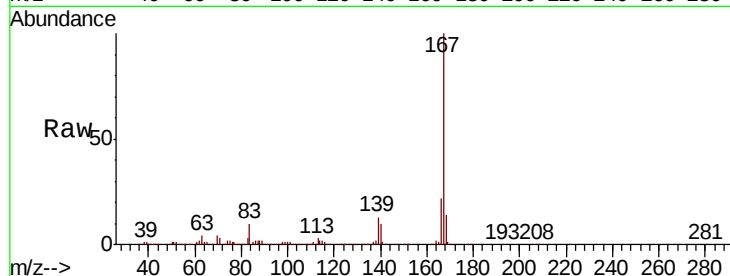
#73  
 Carbazole  
 Concen: 45.786 ng  
 RT: 17.49 min Scan# 2465  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.8  | 26.8  |
| 139     | 13.0  | 10.5  | 15.7  |

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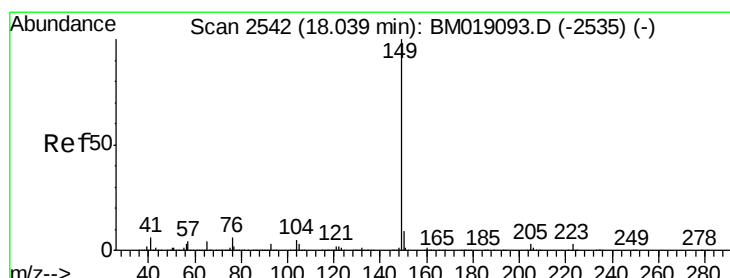
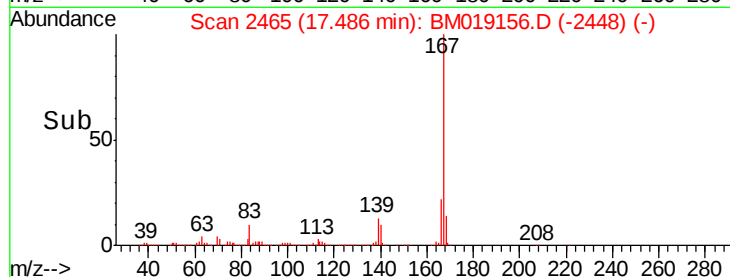
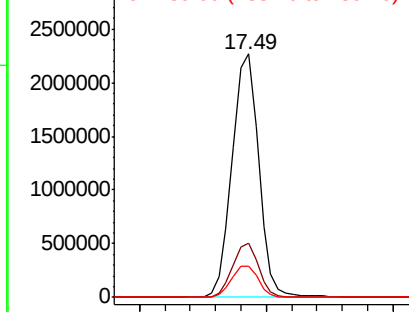


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74  
 Di-n-butylphthalate  
 Concen: 48.780 ng  
 RT: 18.03 min Scan# 2558  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

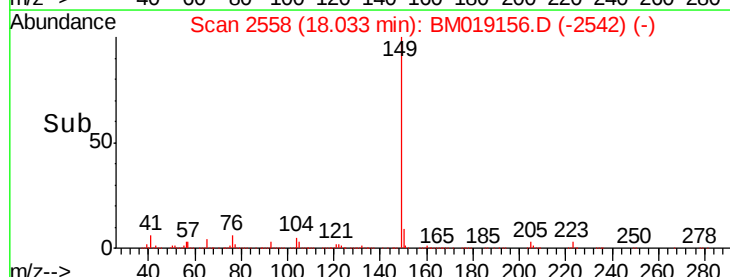
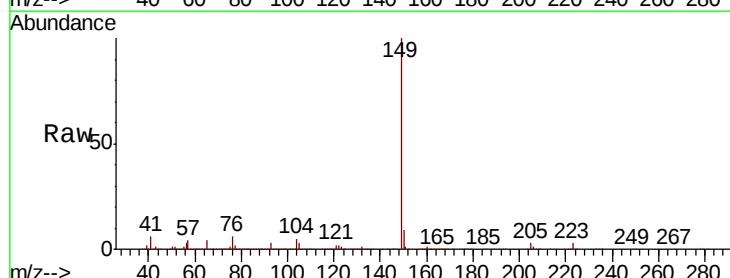
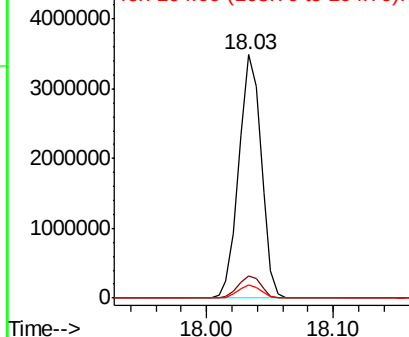
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.3   | 7.4   | 11.0  |
| 104     | 5.3   | 4.2   | 6.4   |

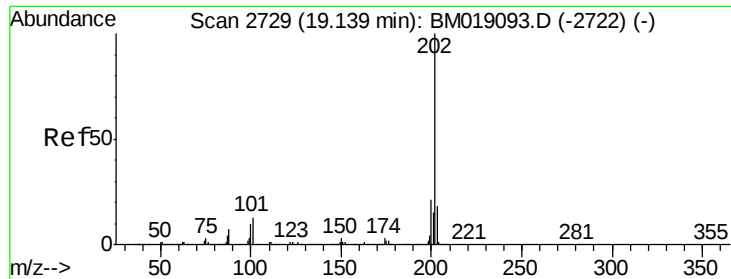
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.704 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

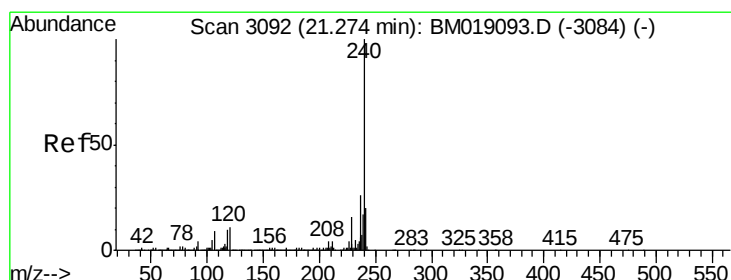
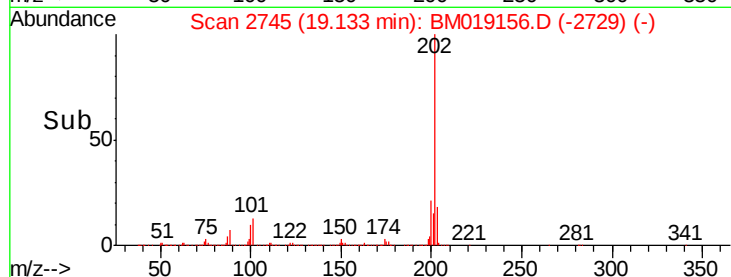
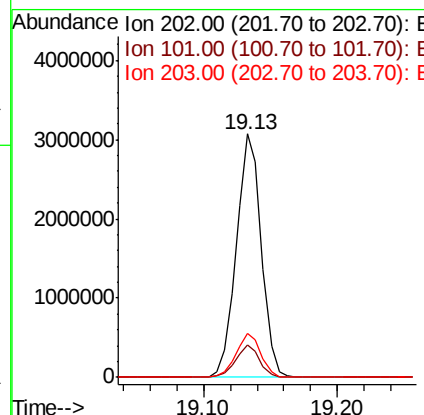
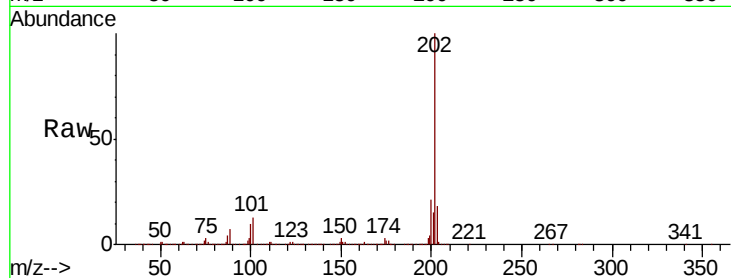
ClientSampleId :

BF-10-031119MSD

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 4012392 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 13.2  | 0.0   | 33.0    |
| 203       | 17.8  | 0.0   | 37.8    |

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#76

Chrysene-d12

Concen: 20.000 ng

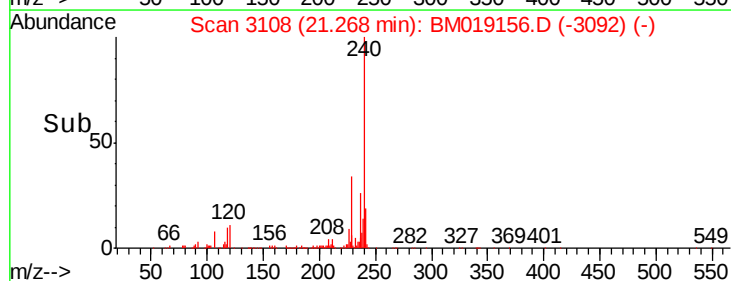
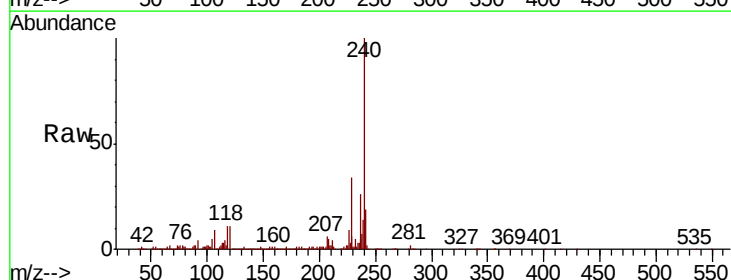
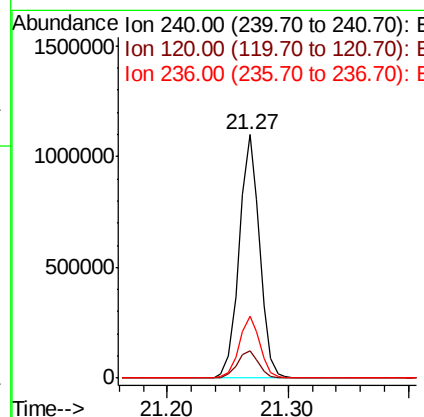
RT: 21.27 min Scan# 3108

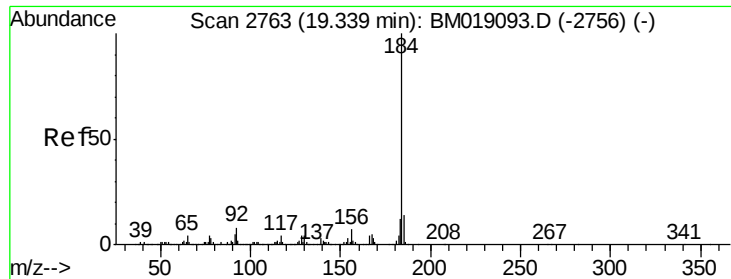
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 240   | Resp: | 1299861 |
| Ion Ratio | Lower | Upper |         |
| 240       | 100   |       |         |
| 120       | 11.4  | 8.9   | 13.3    |
| 236       | 25.6  | 21.0  | 31.4    |





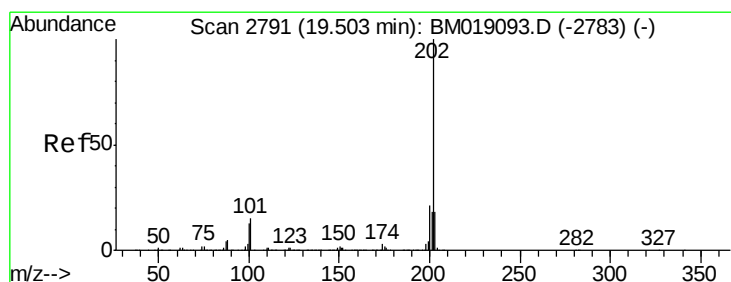
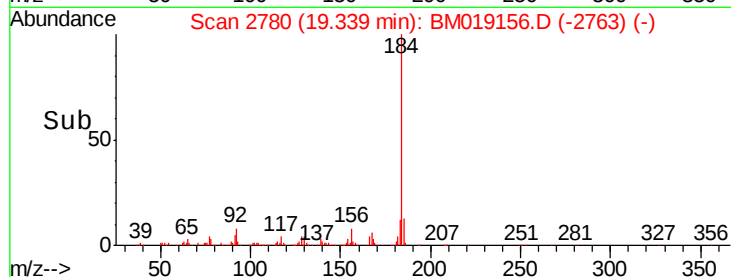
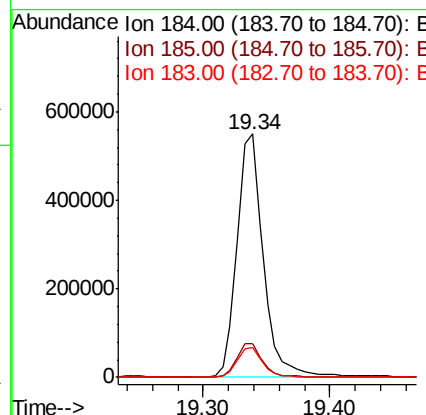
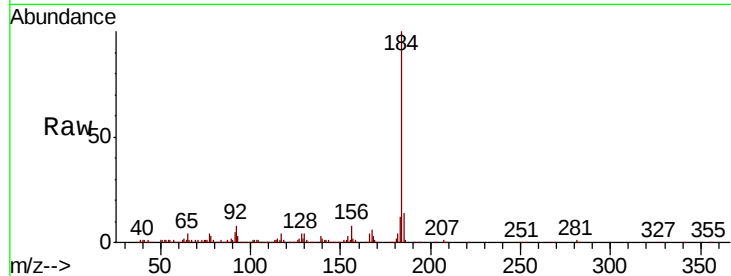
#77  
Benzidine  
Concen: 21.319 ng  
RT: 19.34 min Scan# 2780  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 13.8  | 11.0  | 16.4  |
| 183     | 12.1  | 9.8   | 14.6  |

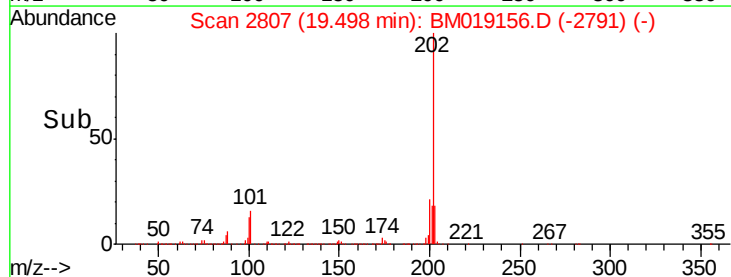
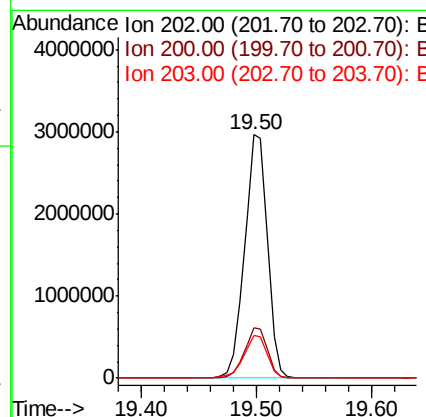
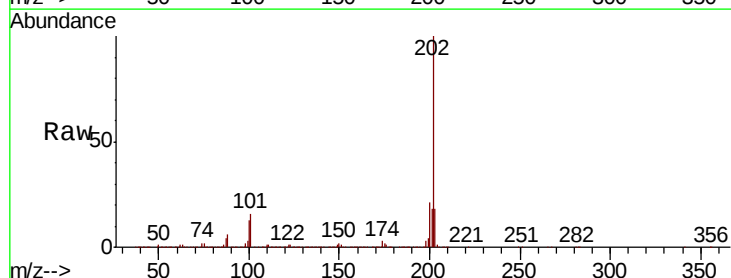
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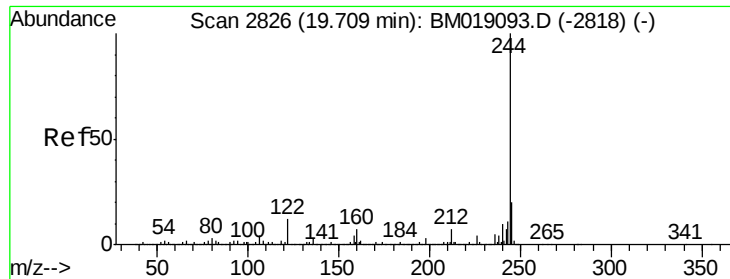
Sohil  
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#78  
Pyrene  
Concen: 49.178 ng  
RT: 19.50 min Scan# 2807  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 16.9  | 25.3  |
| 203     | 17.6  | 14.0  | 21.0  |





#79

Terphenyl-d14

Concen: 98.232 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion:244 Resp: 6431928

Ion Ratio Lower Upper

244 100

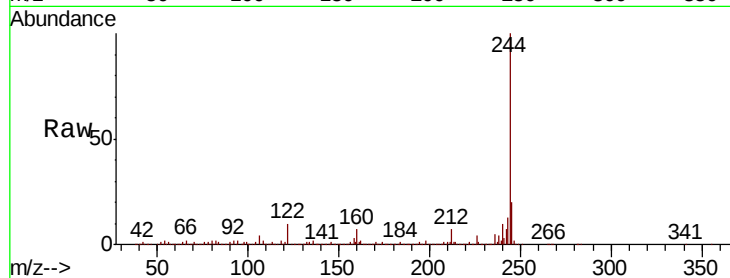
212 6.8 5.4 8.2

122 10.5 9.4 14.2

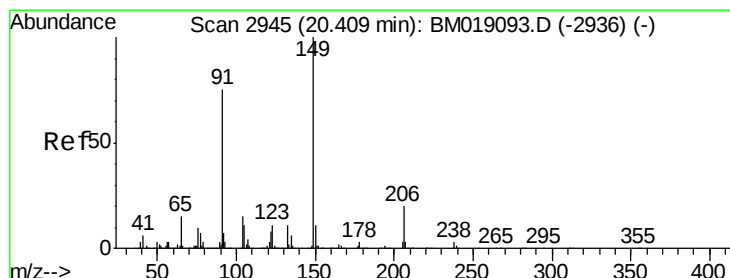
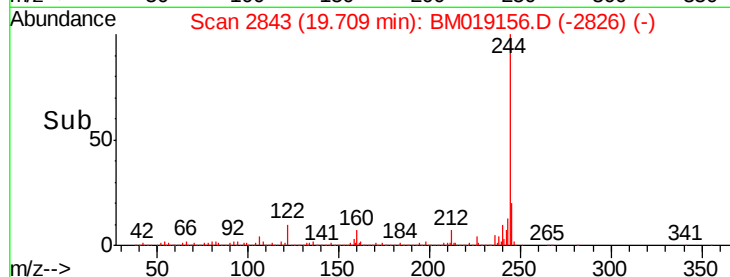
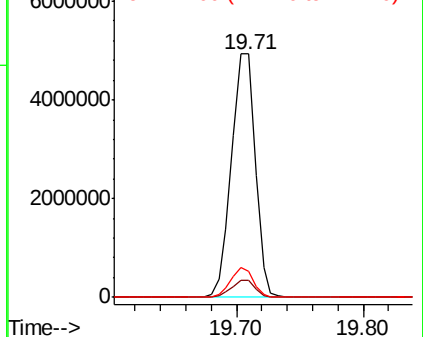
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Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 54.303 ng

RT: 20.40 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

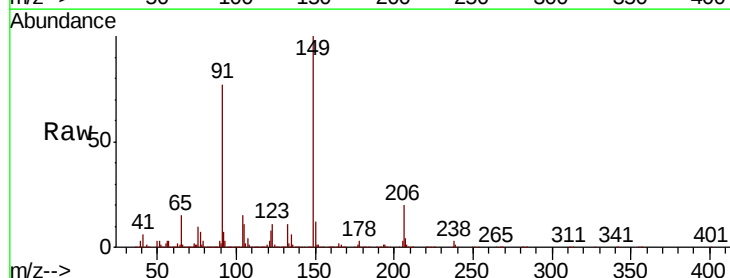
Tgt Ion:149 Resp: 1945221

Ion Ratio Lower Upper

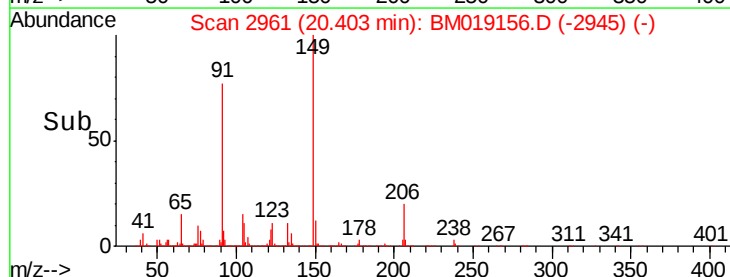
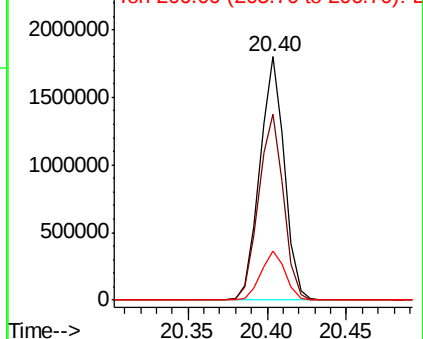
149 100

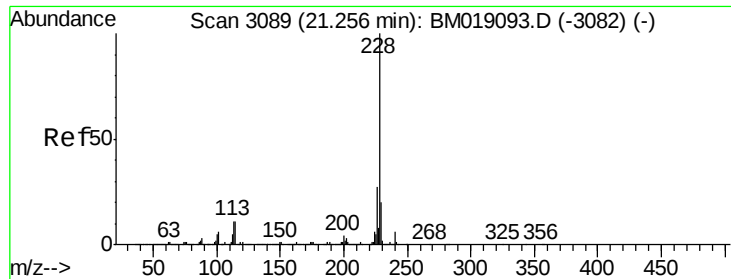
91 76.6 60.1 90.1

206 20.2 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM  
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.323 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion:228 Resp: 3614471

Ion Ratio Lower Upper

228 100

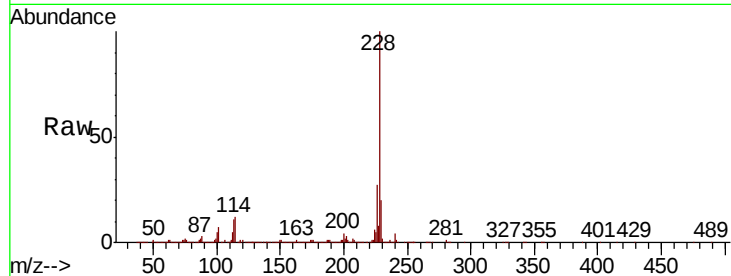
226 27.1 21.8 32.8

229 20.2 15.8 23.6

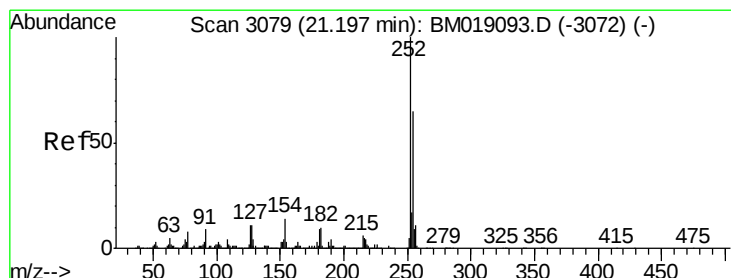
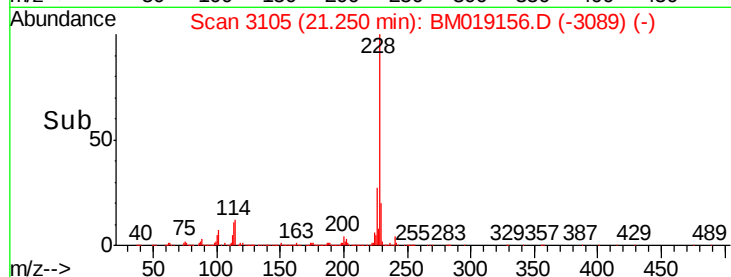
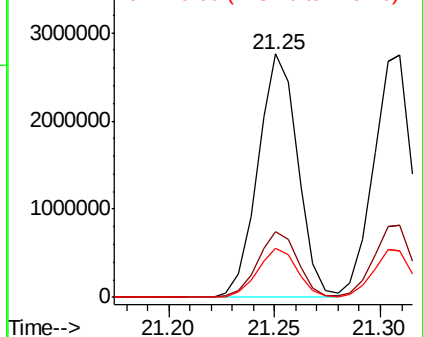
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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.653 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

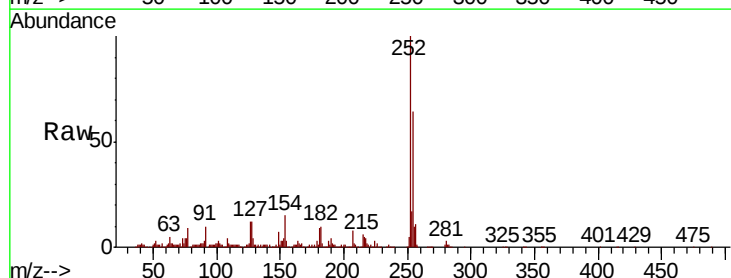
Tgt Ion:252 Resp: 774483

Ion Ratio Lower Upper

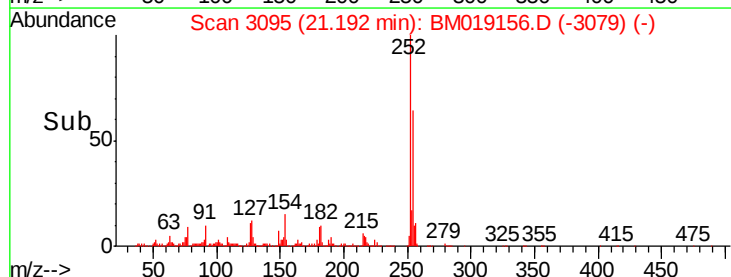
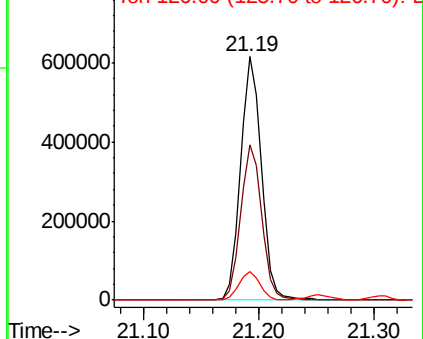
252 100

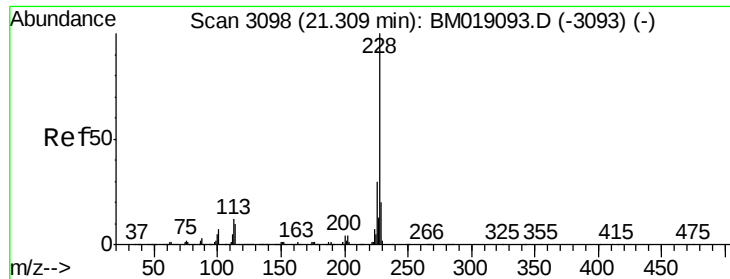
254 63.8 52.4 78.6

126 11.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





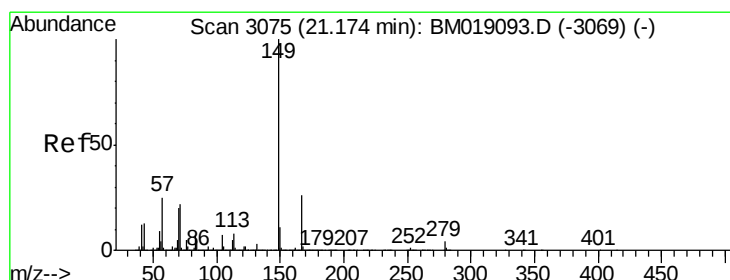
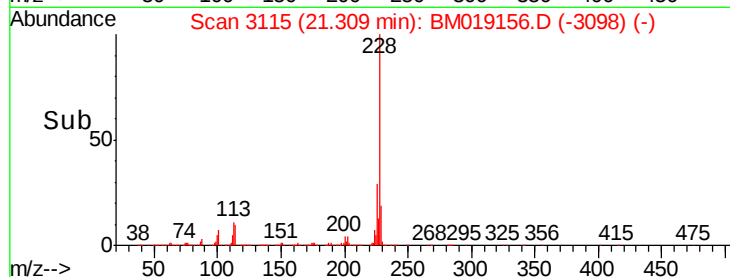
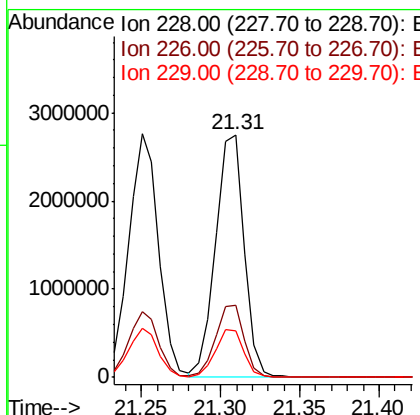
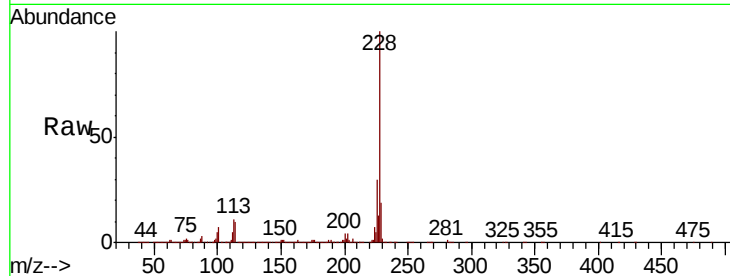
#83  
 Chrvsene  
 Concen: 43.646 ng  
 RT: 21.31 min Scan# 3115  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF-10-031119MSD

Tot Ion:228 Resp: 3443331  
 Ion Ratio Lower Upper  
 228 100  
 226 29.5 23.8 35.8  
 229 19.4 15.7 23.5

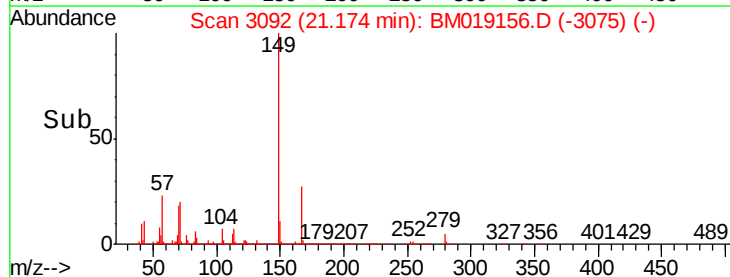
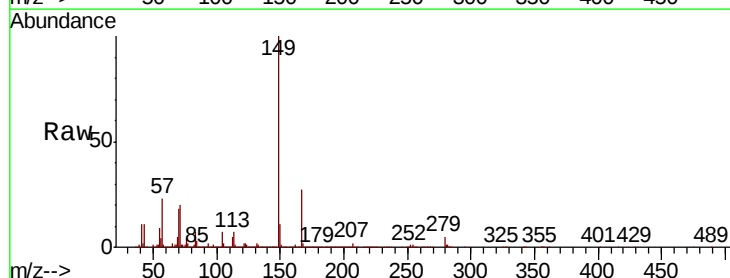
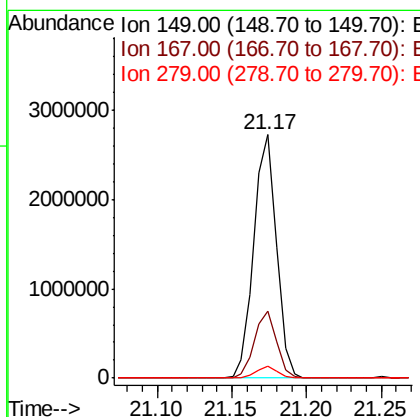
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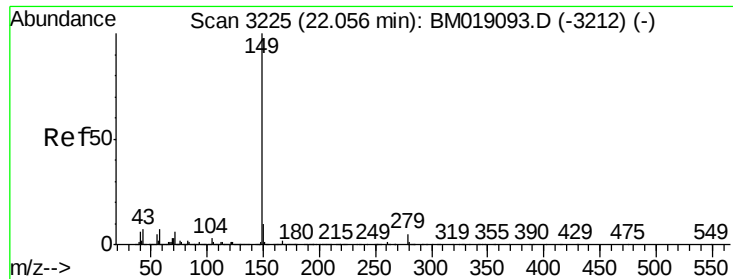
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 54.477 ng  
 RT: 21.17 min Scan# 3092  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion:149 Resp: 2839047  
 Ion Ratio Lower Upper  
 149 100  
 167 27.5 21.1 31.7  
 279 4.7 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 52.697 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

BF-10-031119MSD

Tot Ion:149 Resp: 4624440

Ion Ratio Lower Upper

149 100

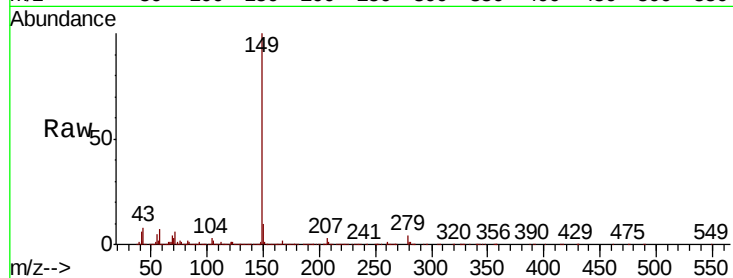
167 1.6 1.3 1.9

43 7.6 6.1 9.1

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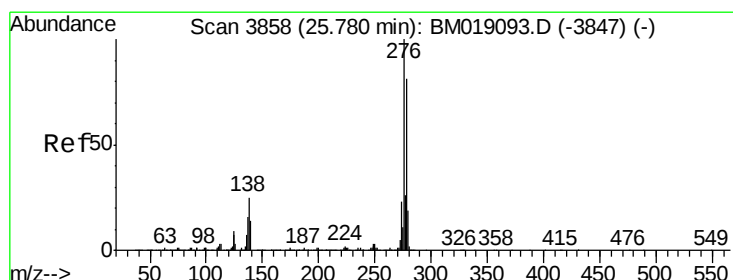
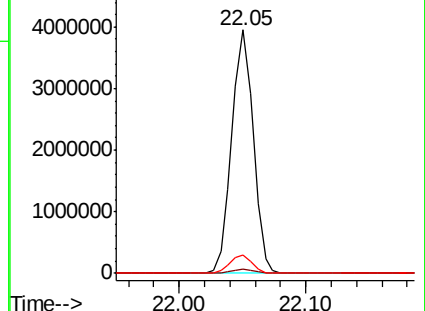
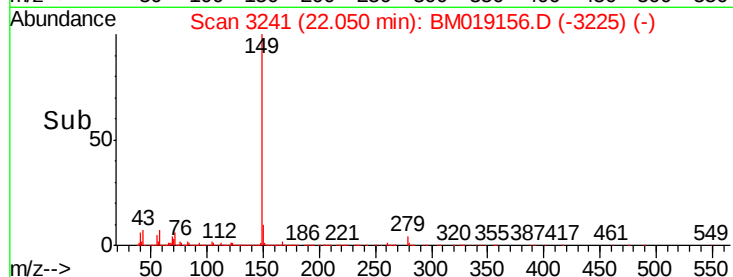
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.388 ng

RT: 25.77 min Scan# 3874

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

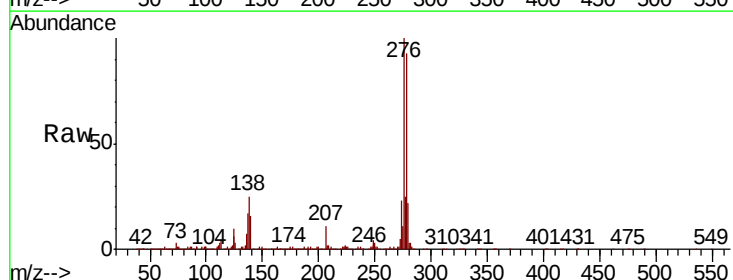
Tgt Ion:276 Resp: 3345051

Ion Ratio Lower Upper

276 100

138 24.8 19.8 29.8

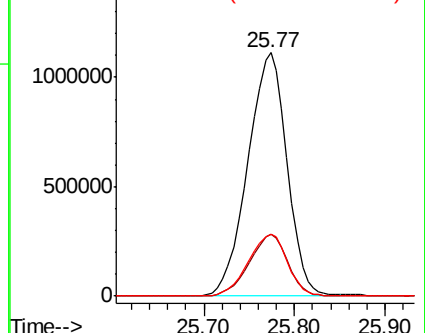
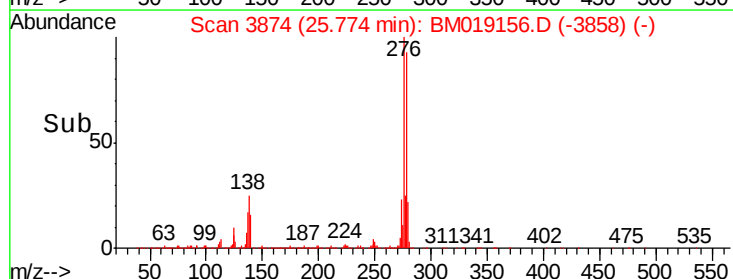
277 25.4 20.3 30.5

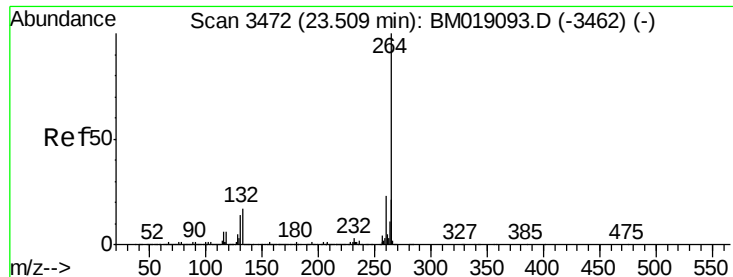


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3488

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

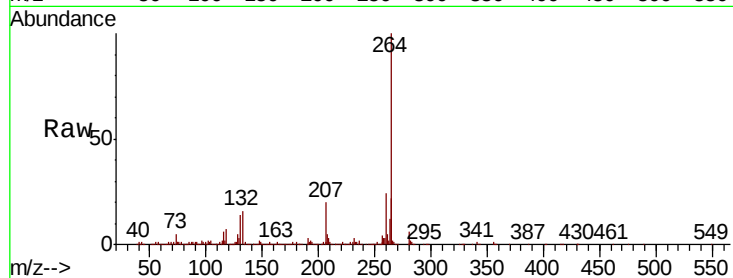
ClientSampleId :

BF-10-031119MSD

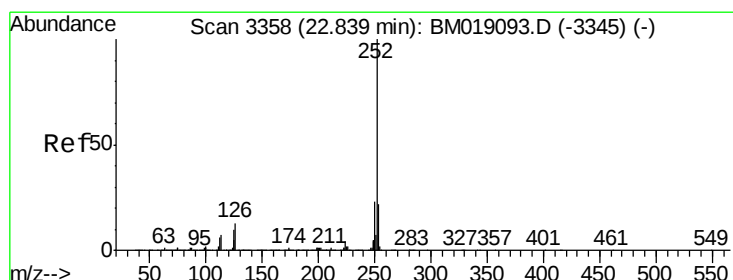
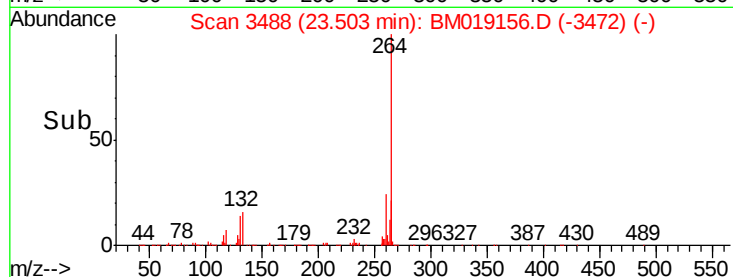
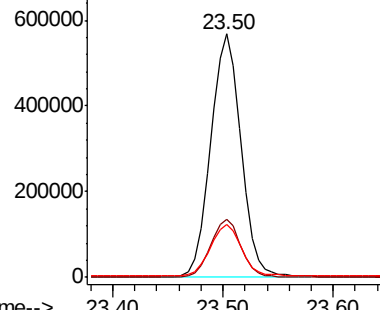
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 264   | Resp: | 1102860 |
| Ion Ratio | Lower | Upper |         |
| 264       | 100   |       |         |
| 260       | 23.6  | 18.6  | 28.0    |
| 265       | 21.8  | 17.3  | 25.9    |

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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: 45.106 ng

RT: 22.83 min Scan# 3374

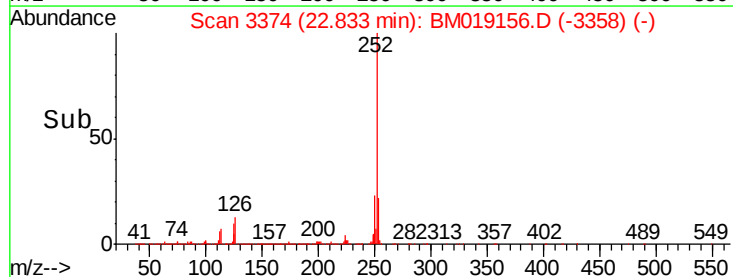
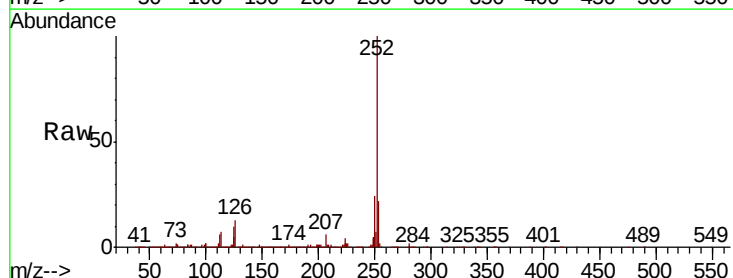
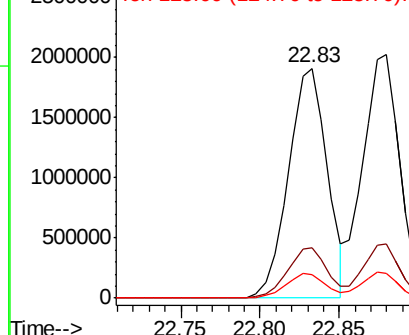
Delta R.T. -0.01 min

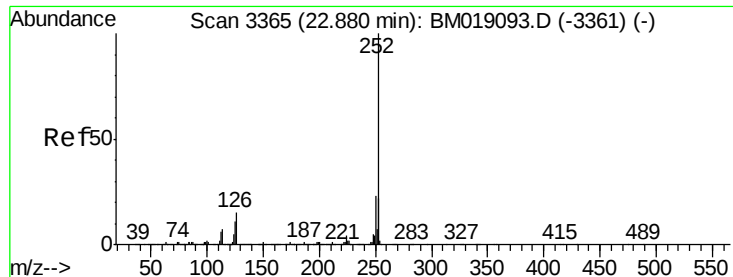
Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 3223365 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.0  | 17.6  | 26.4    |
| 125       | 10.3  | 8.1   | 12.1    |

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





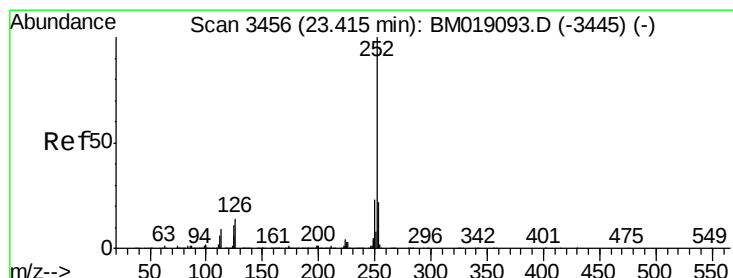
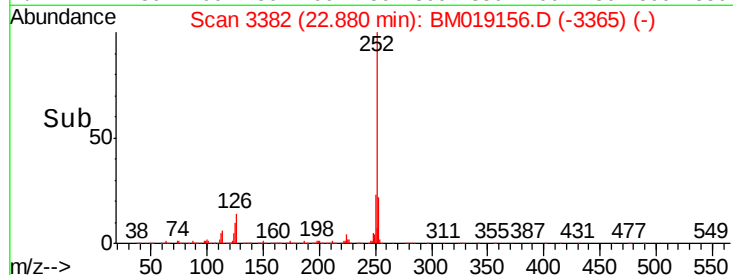
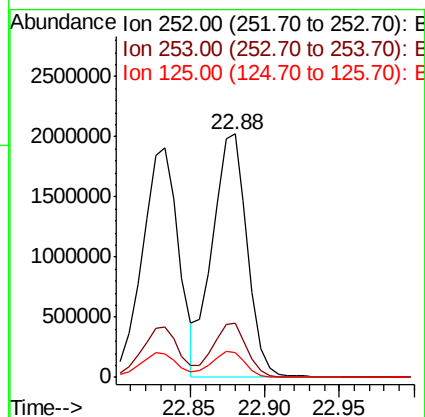
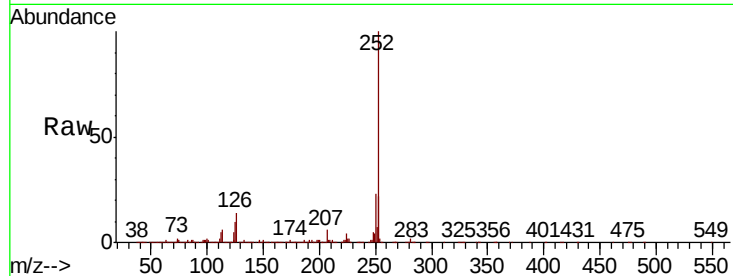
#89  
Benzo(k)fluoranthene  
Concen: 49.981 ng  
RT: 22.88 min Scan# 3382  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

Tot Ion:252 Resp: 3285209  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 10.1 8.8 13.2

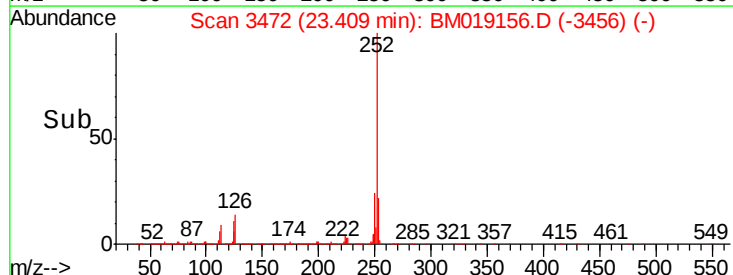
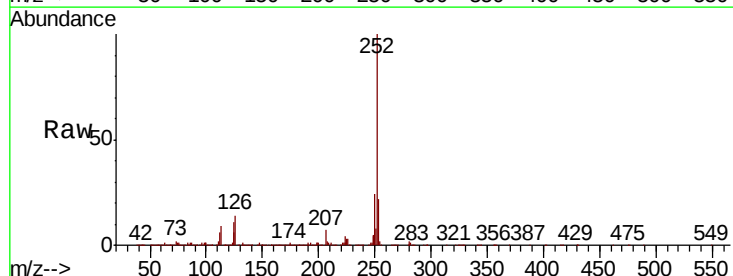
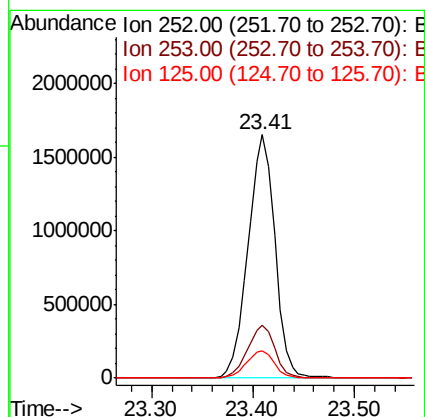
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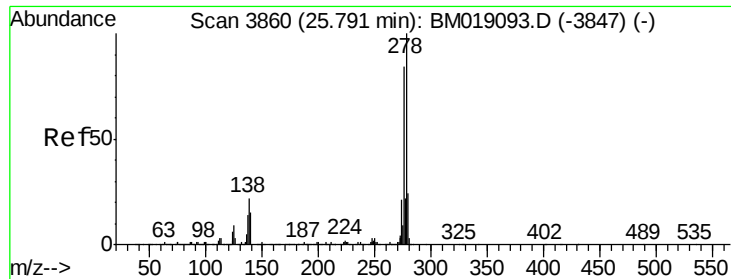
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#90  
Benzo(a)pyrene  
Concen: 47.418 ng  
RT: 23.41 min Scan# 3472  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:252 Resp: 3045264  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 11.2 9.2 13.8





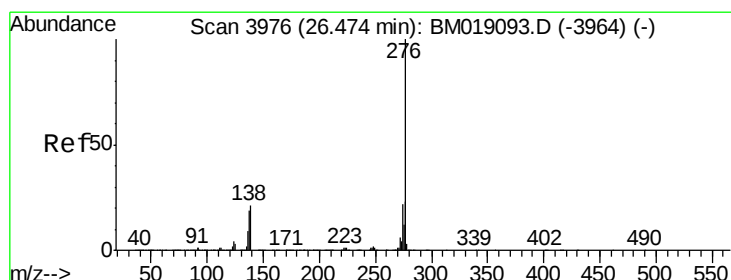
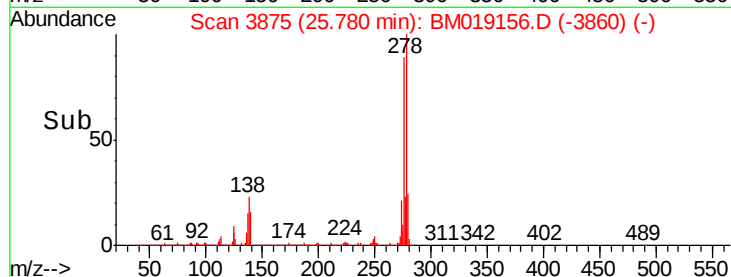
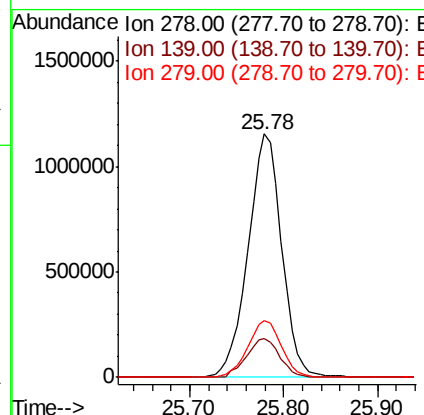
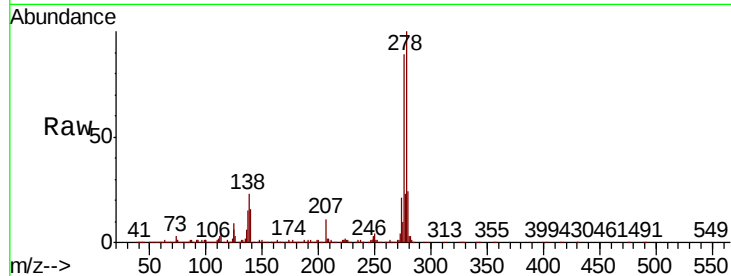
#91  
Dibenzo(a,h)anthracene  
Concen: 46.561 ng  
RT: 25.78 min Scan# 3875  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :  
BF-10-031119MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.0  | 12.3  | 18.5  |
| 279     | 23.5  | 18.9  | 28.3  |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 47.203 ng  
RT: 26.47 min Scan# 3992  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.8  | 28.2  |
| 138     | 21.0  | 17.0  | 25.4  |

