

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032221\  
 Data File : BM029179.D  
 Acq On : 22 Mar 2021 15:25  
 Operator : CG/JU  
 Sample : M1344-04  
 Misc : SFAM-MDL-S-02  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

Manual Integrations  
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mohammad  
 3/23/2021 11:23:18 AM

Quant Time: Mar 22 15:56:37 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM031921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 22 14:22:20 2021  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 96994    | 20.00 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.55 | 136  | 378279   | 20.00 | ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.39 | 164  | 226612   | 20.00 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.13 | 188  | 477711   | 20.00 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.29 | 240  | 514699   | 20.00 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.53 | 264  | 552308   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 10813  | 4.38  | ng/uL | 0.00 |
| 4) Pyridine-d5                 | 3.69  | 84  | 162729 | 25.23 | ng/ul | 0.00 |
| 7) Phenol-d5                   | 6.93  | 99  | 245296 | 32.02 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.11  | 67  | 161869 | 36.56 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4          | 7.30  | 132 | 201552 | 33.81 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8          | 8.46  | 113 | 190551 | 32.05 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5            | 8.92  | 128 | 86017  | 35.75 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4           | 9.63  | 143 | 84054  | 36.65 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 185786 | 30.91 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4         | 10.68 | 131 | 252144 | 29.65 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6       | 13.80 | 166 | 557307 | 32.61 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8          | 14.08 | 160 | 684458 | 33.88 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4           | 14.57 | 143 | 86736  | 31.16 | ng/ul | 0.00 |
| 60) Fluorene-d10               | 15.38 | 176 | 483431 | 32.87 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 63477  | 28.19 | ng/ul | 0.00 |
| 73) Anthracene-d10             | 17.23 | 188 | 735126 | 32.22 | ng/ul | 0.00 |
| 81) Pyrene-d10                 | 19.51 | 212 | 813828 | 33.88 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12         | 23.39 | 264 | 993289 | 33.78 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 3004  | 1.213 ng/uL# | 85     |
| 5) Pyridine                    | 3.72  | 79  | 29203 | 4.407 ng/ul# | 53     |
| 6) Benzaldehyde                | 6.92  | 77  | 23251 | 5.656 ng/ul  | 87     |
| 8) Phenol                      | 6.96  | 94  | 37230 | 4.625 ng/ul  | 96     |
| 10) Bis(2-Chloroethyl)ether    | 7.20  | 93  | 26647 | 4.479 ng/ul  | 97     |
| 12) 2-Chlorophenol             | 7.33  | 128 | 29166 | 4.585 ng/ul  | 96     |
| 13) 2-Methylphenol             | 8.20  | 108 | 25342 | 4.267 ng/ul  | 97     |
| 14) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 39186 | 5.026 ng/ul  | 100    |
| 16) Acetophenone               | 8.59  | 105 | 43738 | 4.501 ng/ul  | 93     |
| 17) N-Nitroso-di-n-propylamine | 8.57  | 70  | 22192 | 4.801 ng/ul  | 97     |
| 18) 4-Methylphenol             | 8.53  | 108 | 28708 | 4.553 ng/ul  | 98     |
| 19) Hexachloroethane           | 8.85  | 117 | 12621 | 4.633 ng/ul  | 98     |
| 22) Nitrobenzene               | 8.96  | 77  | 34864 | 4.970 ng/ul# | 98     |
| 23) Isophorone                 | 9.49  | 82  | 55026 | 4.390 ng/ul  | 98     |
| 25) 2-Nitrophenol              | 9.67  | 139 | 13460 | 5.093 ng/ul  | 93     |
| 26) 2,4-Dimethylphenol         | 9.73  | 107 | 31753 | 4.421 ng/ul  | 96     |
| 27) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 34402 | 4.595 ng/ul  | 95     |
| 29) 2,4-Dichlorophenol         | 10.19 | 162 | 26900 | 4.422 ng/ul  | 92     |
| 30) Naphthalene                | 10.60 | 128 | 92933 | 4.535 ng/ul  | 98     |
| 32) 4-Chloroaniline            | 10.70 | 127 | 38289 | 4.427 ng/ul  | 99     |
| 33) Hexachlorobutadiene        | 10.89 | 225 | 17773 | 4.069 ng/ul  | 93     |
| 34) Caprolactam                | 11.49 | 113 | 5234m | 3.385 ng/ul  |        |

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 BNA\_M  
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 MDL-SOIL-QT2-2021-04

Manual Integrations  
 APPROVED

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 3/23/2021 11:23:18 AM

Quant Time: Mar 22 15:56:37 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM031921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 22 14:22:20 2021  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 4-Chloro-3-methylphenol    | 11.82 | 107  | 24676    | 4.176 | ng/ul  | 97       |
| 36) 2-Methylnaphthalene        | 12.21 | 142  | 63764    | 4.404 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene        | 12.43 | 142  | 61053    | 4.271 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.58 | 216  | 33387    | 4.264 | ng/ul  | 94       |
| 40) Hexachlorocyclopentadiene  | 12.57 | 237  | 18483    | 3.594 | ng/ul# | 92       |
| 41) 2,4,6-Trichlorophenol      | 12.82 | 196  | 17163    | 3.986 | ng/ul  | 93       |
| 42) 2,4,5-Trichlorophenol      | 12.89 | 196  | 19419    | 4.235 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl              | 13.23 | 154  | 83531    | 4.528 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene        | 13.26 | 162  | 63622    | 4.368 | ng/ul  | 99       |
| 45) 2-Nitroaniline             | 13.46 | 65   | 13485    | 4.316 | ng/ul  | 94       |
| 47) Dimethylphthalate          | 13.85 | 163  | 79726    | 4.558 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene         | 13.96 | 165  | 11226    | 4.124 | ng/ul# | 84       |
| 50) Acenaphthylene             | 14.11 | 152  | 96256    | 4.606 | ng/ul  | 99       |
| 51) 3-Nitroaniline             | 14.29 | 138  | 11870    | 3.943 | ng/ul# | 97       |
| 52) Acenaphthene               | 14.45 | 153  | 69681    | 4.491 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol          | 14.49 | 184  | 5321     | 3.642 | ng/ul  | 95       |
| 55) 4-Nitrophenol              | 14.59 | 109  | 12190    | 4.603 | ng/ul  | 92       |
| 56) Dibenzofuran               | 14.79 | 168  | 97727    | 4.532 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene         | 14.74 | 165  | 17068    | 4.394 | ng/ul# | 89       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.01 | 232  | 14615    | 3.978 | ng/ul  | 97       |
| 59) Diethylphthalate           | 15.22 | 149  | 76885    | 4.464 | ng/ul  | 98       |
| 61) Fluorene                   | 15.44 | 166  | 81856    | 4.537 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenylether | 15.43 | 204  | 39864    | 4.402 | ng/ul  | 97       |
| 63) 4-Nitroaniline             | 15.44 | 138  | 12169    | 3.873 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 9942     | 4.197 | ng/ul# | 69       |
| 67) N-Nitrosodiphenylamine     | 15.64 | 169  | 66373    | 4.349 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether  | 16.33 | 248  | 22898    | 4.504 | ng/ul  | 96       |
| 69) Hexachlorobenzene          | 16.43 | 284  | 25067    | 4.427 | ng/ul# | 92       |
| 70) Atrazine                   | 16.59 | 200  | 21916    | 3.749 | ng/ul  | 94       |
| 71) Pentachlorophenol          | 16.77 | 266  | 10274    | 3.195 | ng/ul  | 98       |
| 72) Phenanthrene               | 17.17 | 178  | 128212   | 4.546 | ng/ul  | 99       |
| 74) Anthracene                 | 17.26 | 178  | 130892   | 4.517 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.19 | 216  | 32590    | 4.224 | ng/uL  | 94       |
| 76) Pentachlorobenzene         | 14.71 | 250  | 28962    | 3.845 | ng/uL  | 96       |
| 77) Carbazole                  | 17.53 | 167  | 109032   | 4.088 | ng/ul  | 98       |
| 78) Di-n-butylphthalate        | 18.10 | 149  | 108129   | 3.925 | ng/ul  | 98       |
| 80) Fluoranthene               | 19.18 | 202  | 136128   | 4.411 | ng/ul  | 99       |
| 82) Pyrene                     | 19.54 | 202  | 156891   | 4.850 | ng/ul  | 96       |
| 83) Butylbenzylphthalate       | 20.44 | 149  | 42010    | 3.696 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine     | 21.21 | 252  | 37329    | 3.502 | ng/ul  | 98       |
| 85) Benzo(a)anthracene         | 21.27 | 228  | 148246   | 4.465 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 68570    | 3.671 | ng/ul  | 100      |
| 87) Chrysene                   | 21.33 | 228  | 149056   | 4.591 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate       | 22.10 | 149  | 112776   | 3.201 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene       | 22.86 | 252  | 153258   | 4.294 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene       | 22.90 | 252  | 161261m  | 4.522 | ng/ul  |          |
| 93) Benzo(a)pyrene             | 23.43 | 252  | 145374   | 4.495 | ng/ul# | 96       |
| 94) Indeno(1,2,3-cd)pyrene     | 25.79 | 276  | 190633   | 4.383 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene     | 25.80 | 278  | 159365   | 4.343 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene       | 26.48 | 276  | 155144   | 4.349 | ng/ul  | 97       |

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Manual Integrations  
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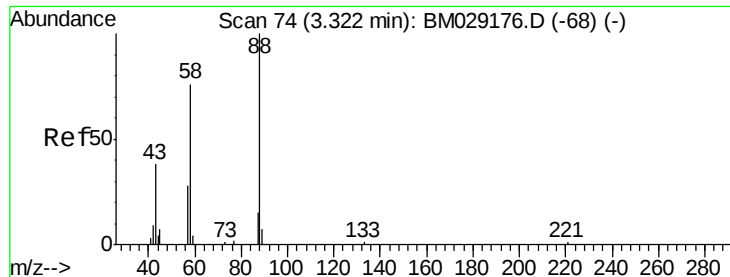
Quant Time: Mar 22 15:56:37 2021  
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Quant Title : SVOA CALIBRATION  
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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





#2

1,4-Dioxane

Concen: 1.213 ng/uL

RT: 3.32 min Scan# 74

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

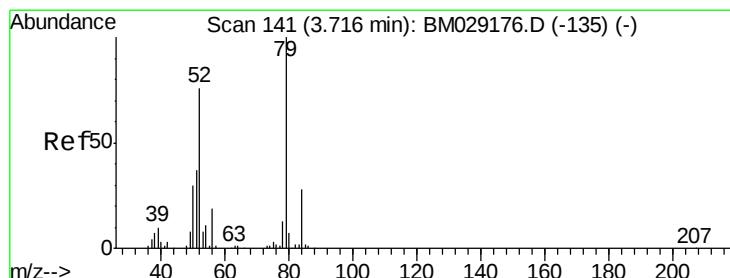
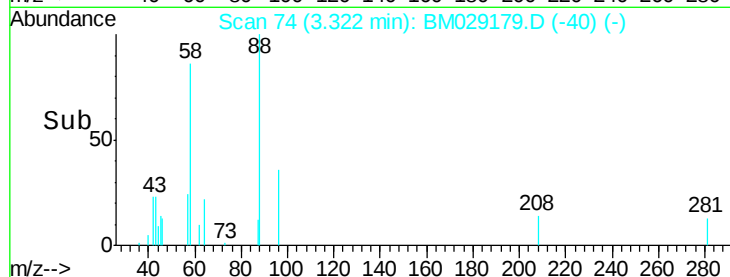
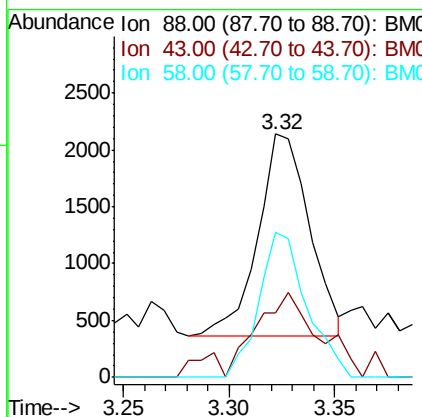
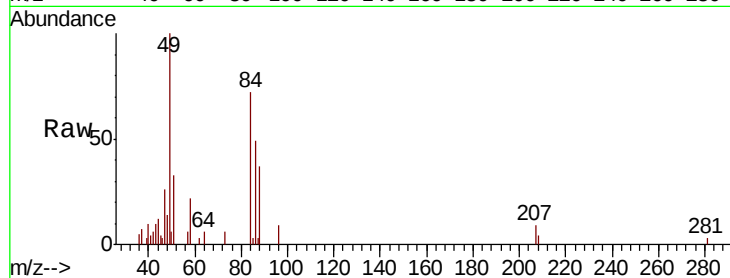
ClientSampleId :

MDL-SOIL-QT2-2021-04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 3004  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 26.6  | 28.7  | 43.1# |
| 58       | 59.7  | 57.7  | 86.5  |

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#5

Pyridine

Concen: 4.407 ng/uL

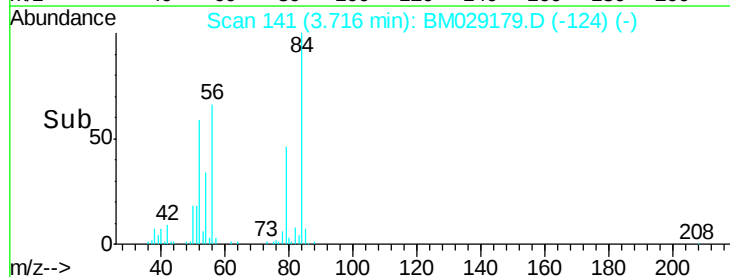
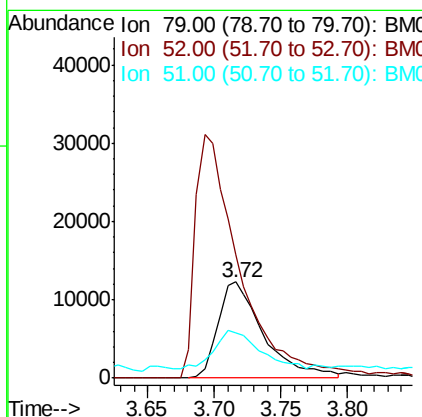
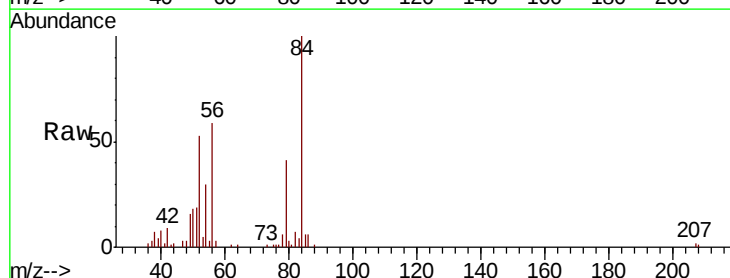
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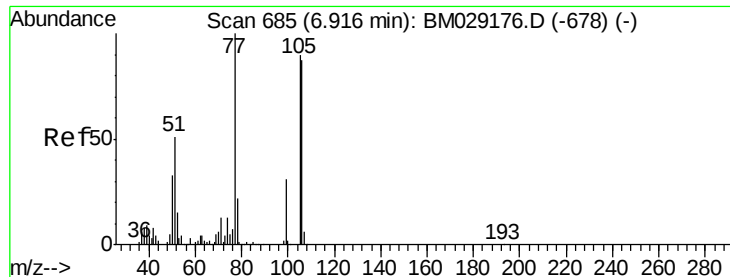
Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 29203 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 128.7 | 60.6  | 91.0# |
| 51       | 47.5  | 30.2  | 45.2# |





#6

Benzaldehyde

Concen: 5.656 ng/ul

RT: 6.92 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

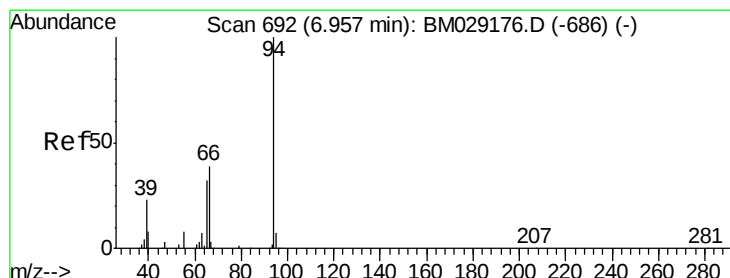
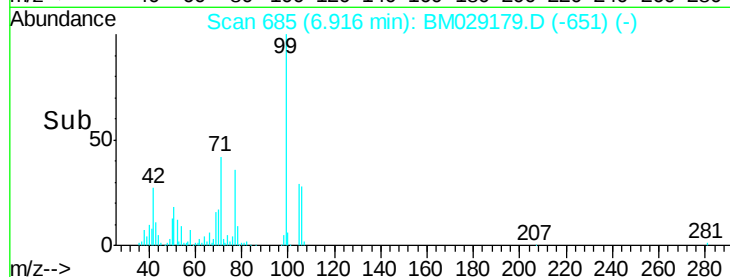
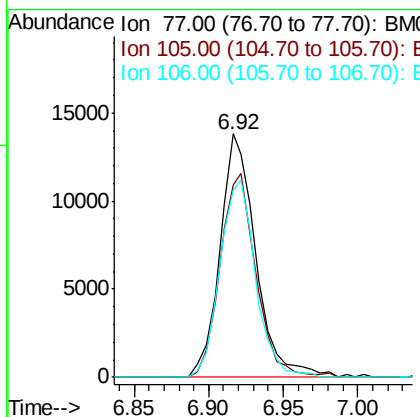
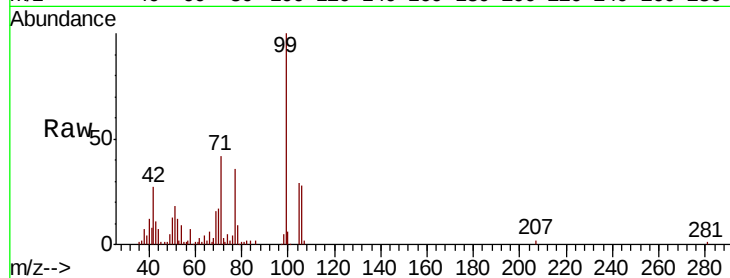
ClientSampleId :

MDL-SOIL-QT2-2021-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 77    | Resp: | 23251 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 79.3  | 74.8  | 112.2 |
| 106       | 76.8  | 69.0  | 103.6 |

Manual Integrations  
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#8

Phenol

Concen: 4.625 ng/ul

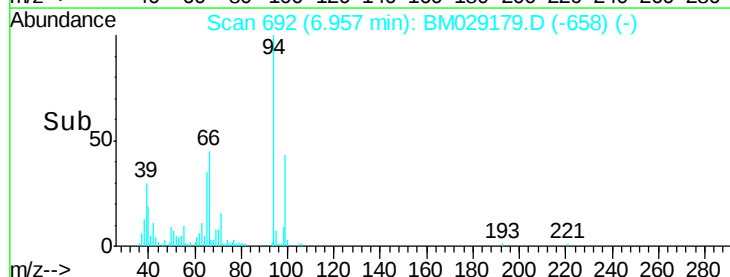
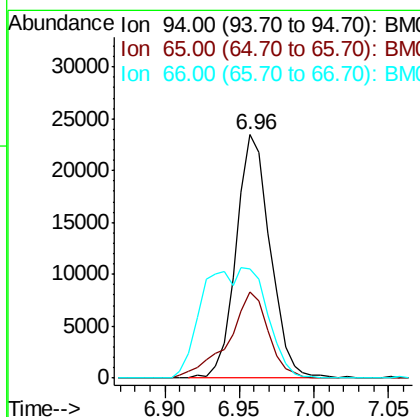
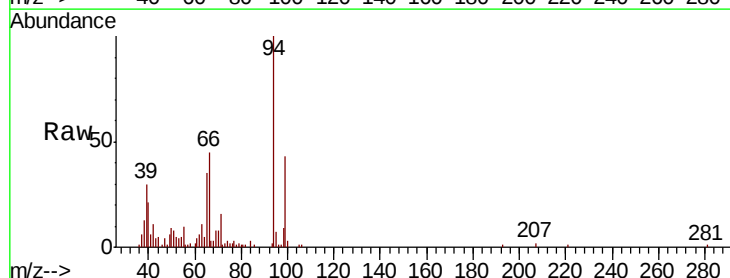
RT: 6.96 min Scan# 692

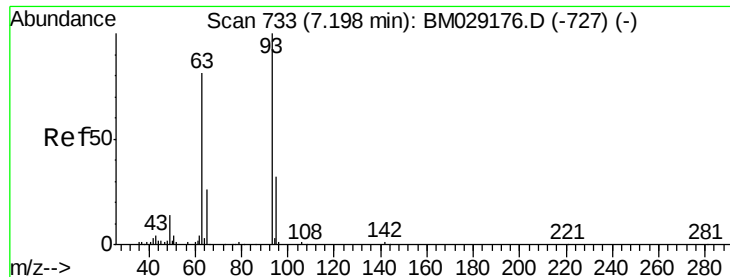
Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 37230 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 35.2  | 25.1  | 37.7  |
| 66        | 44.9  | 35.4  | 53.0  |





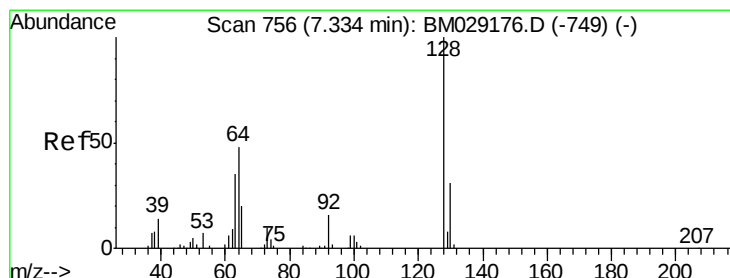
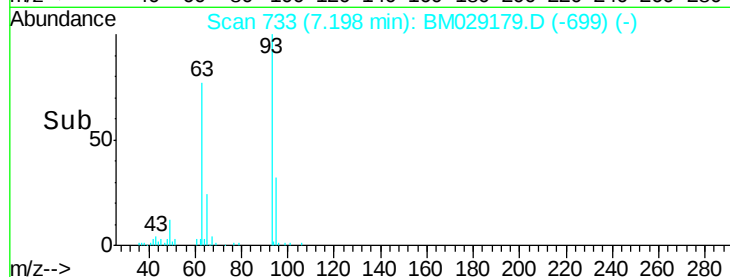
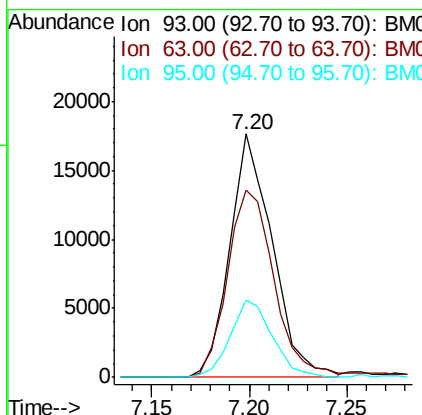
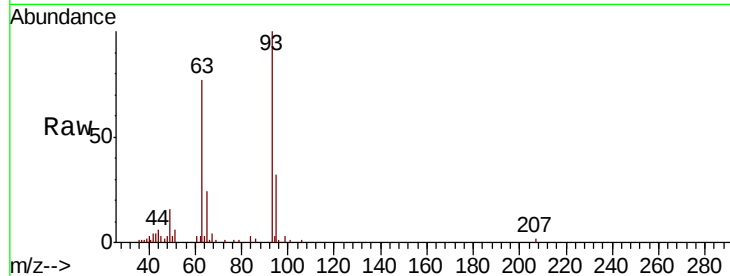
#10  
Bis(2-Chloroethyl)ether  
Concen: 4.479 ng/ul  
RT: 7.20 min Scan# 733  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
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Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 26647 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 76.9  | 63.7  | 95.5  |
| 95       | 31.8  | 26.3  | 39.5  |

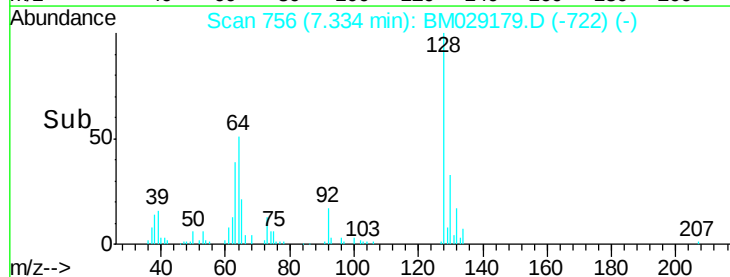
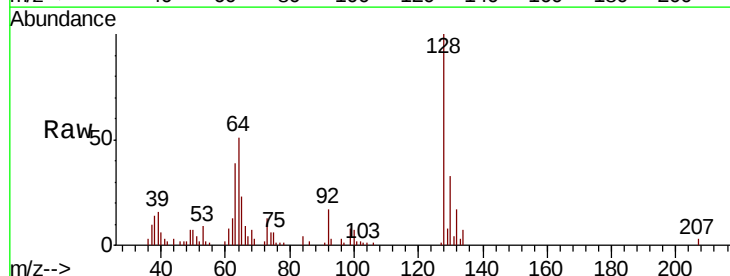
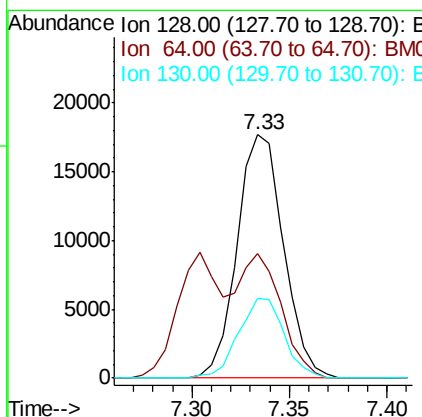
Manual Integrations  
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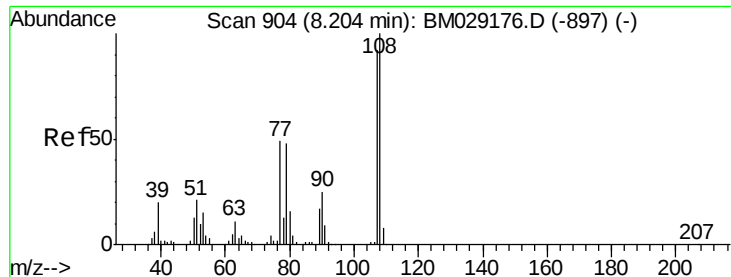
mohammad  
3/23/2021 11:23:18 AM



#12  
2-Chlorophenol  
Concen: 4.585 ng/ul  
RT: 7.33 min Scan# 756  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 29166 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 64       | 51.1  | 37.5  | 56.3  |
| 130      | 32.9  | 26.5  | 39.7  |





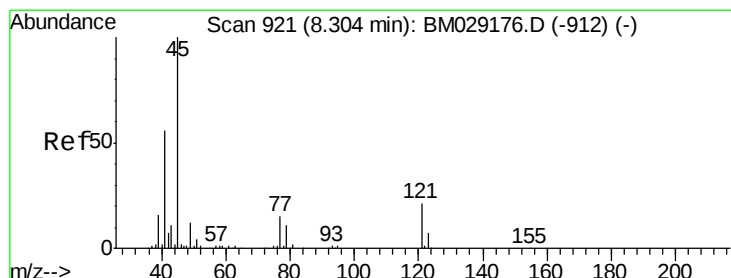
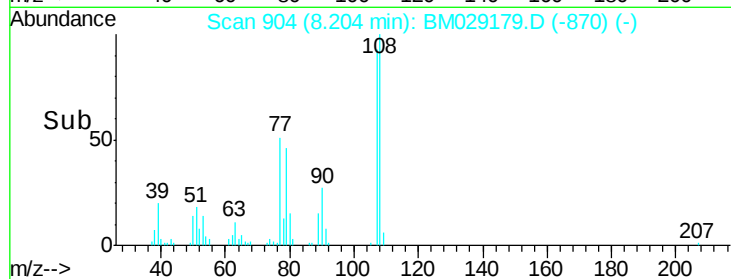
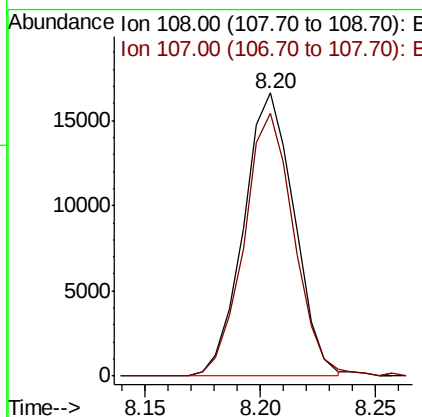
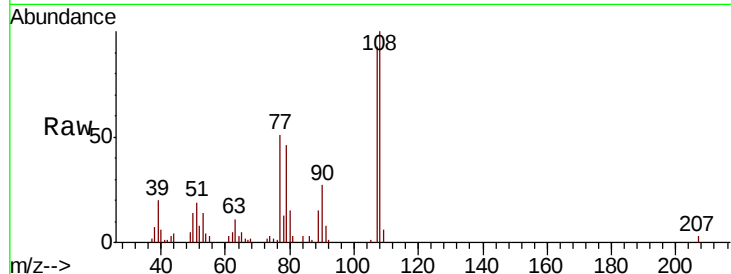
#13  
2-Methylphenol  
Concen: 4.267 ng/ul  
RT: 8.20 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 93.0  | 71.9  | 107.9 |

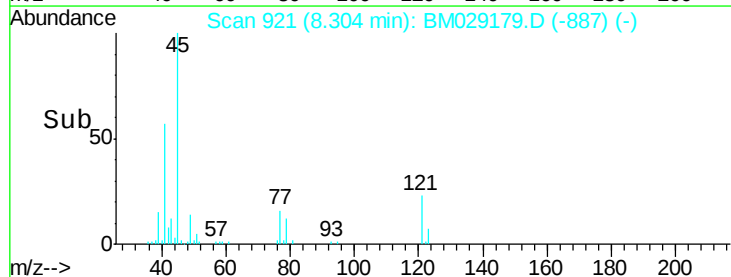
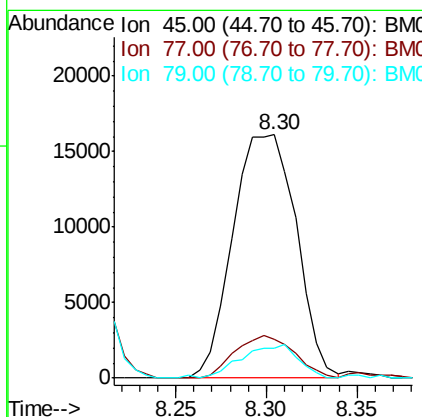
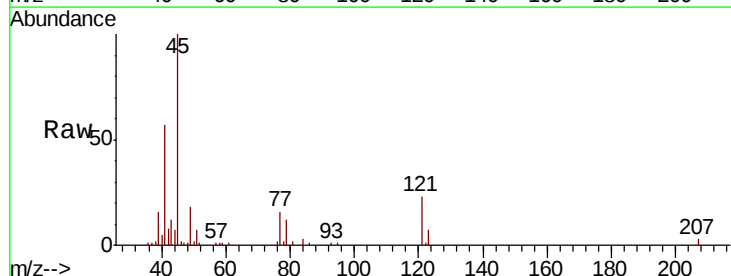
Manual Integrations  
APPROVED

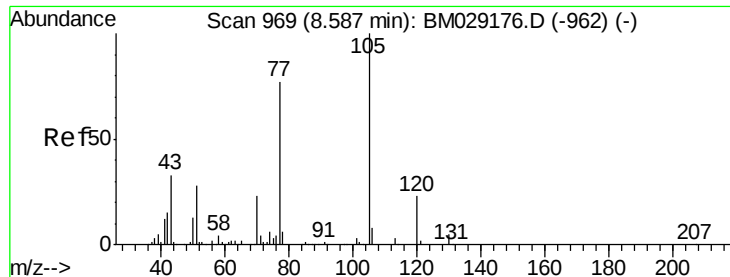
mohammad  
3/23/2021 11:23:18 AM



#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.026 ng/ul  
RT: 8.30 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 16.1  | 12.7  | 19.1  |
| 79      | 12.2  | 9.8   | 14.6  |





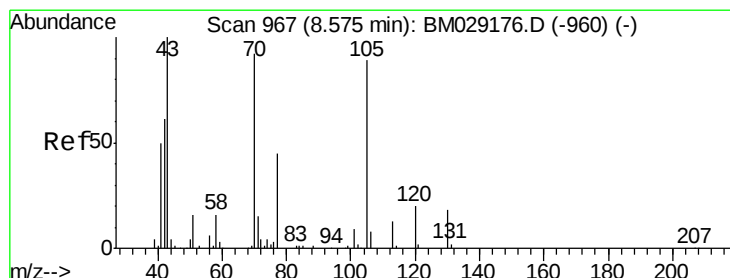
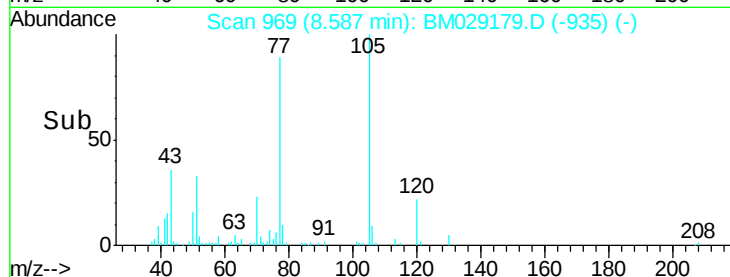
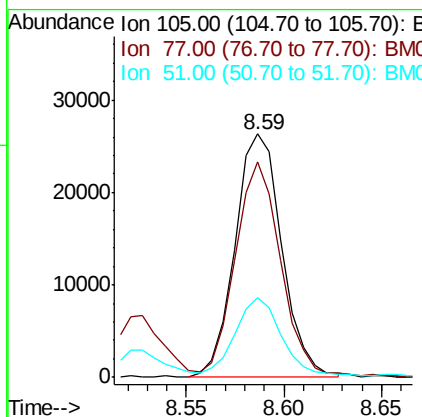
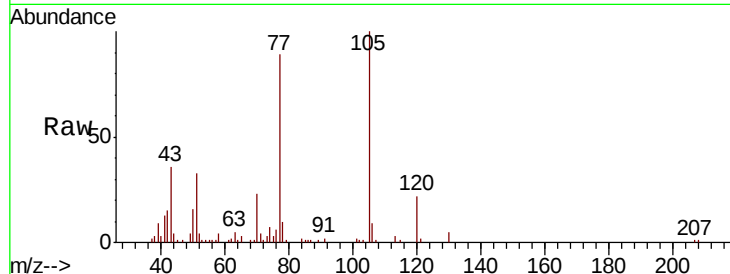
#16  
Acetophenone  
Concen: 4.501 ng/ul  
RT: 8.59 min Scan# 969  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 43738 |       |       |
| 77      | 88.5  | 66.2  | 99.2  |       |
| 51      | 32.6  | 23.2  | 34.8  |       |

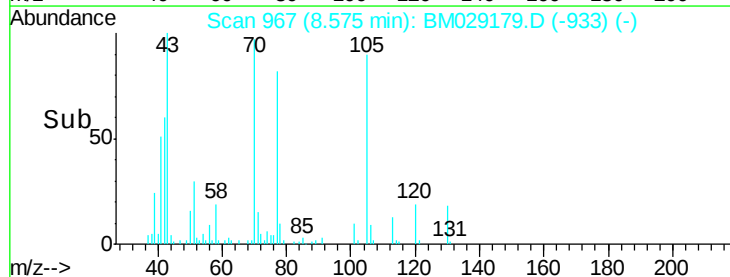
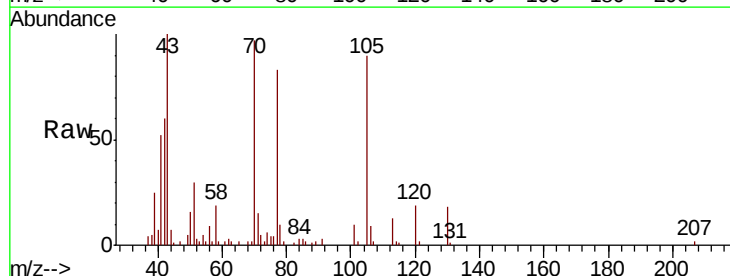
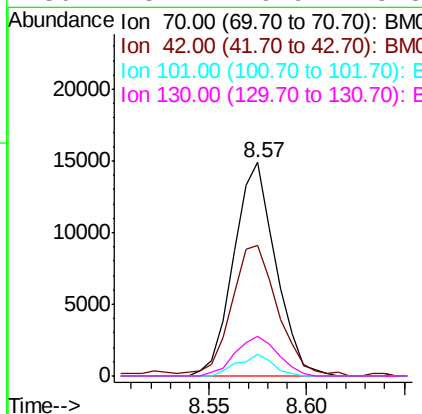
Manual Integrations  
APPROVED

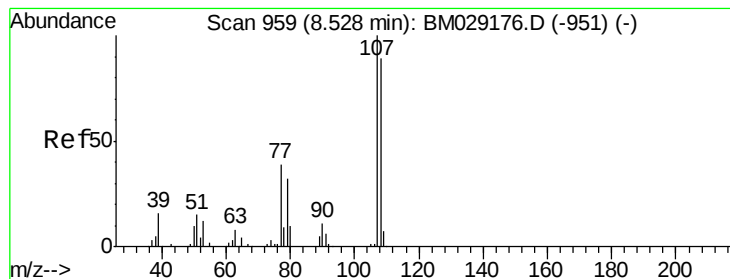
mohammad  
3/23/2021 11:23:18 AM



#17  
N-Nitroso-di-n-propylamine  
Concen: 4.801 ng/ul  
RT: 8.57 min Scan# 967  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 70      | 100   | 22192 |       |       |
| 42      | 61.3  | 50.7  | 76.1  |       |
| 101     | 10.2  | 7.0   | 10.4  |       |
| 130     | 18.4  | 16.9  | 25.3  |       |





#18

4-Methylphenol

Concen: 4.553 ng/ul

RT: 8.53 min Scan# 959

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

ClientSampleId :

MDL-SOIL-QT2-2021-04

Tot Ion:108 Resp: 28708

Ion Ratio Lower Upper

108 100

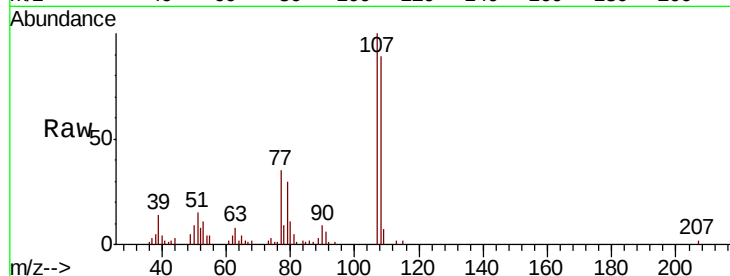
107 112.9 88.8 133.2

Manual Integrations

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

20000

15000

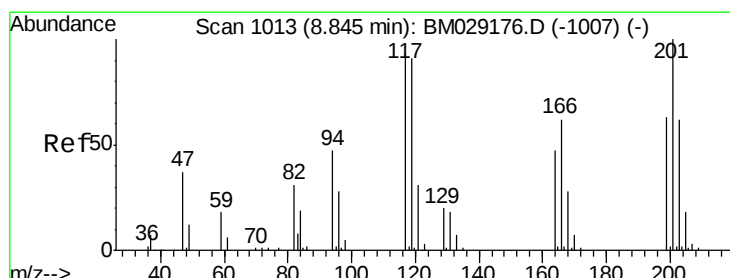
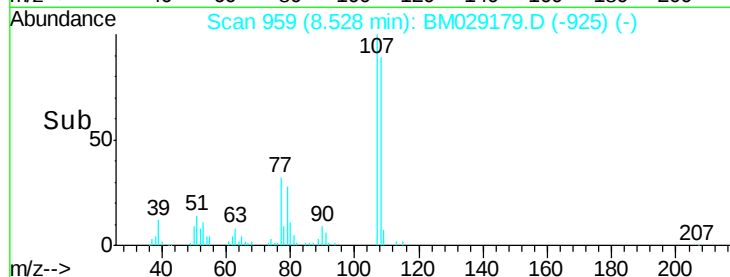
10000

5000

0

8.45 8.50 8.55

Time-->



#19

Hexachloroethane

Concen: 4.633 ng/ul

RT: 8.85 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

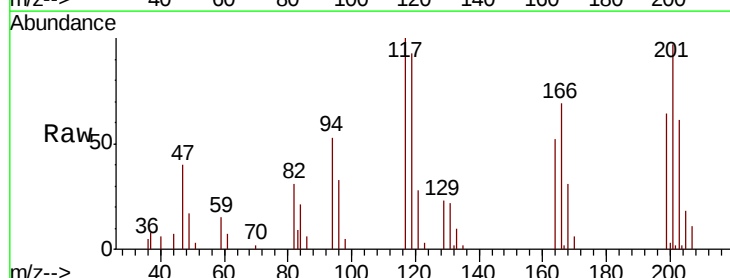
Tgt Ion:117 Resp: 12621

Ion Ratio Lower Upper

117 100

201 99.2 82.4 123.6

199 63.8 51.0 76.6



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

10000

8000

6000

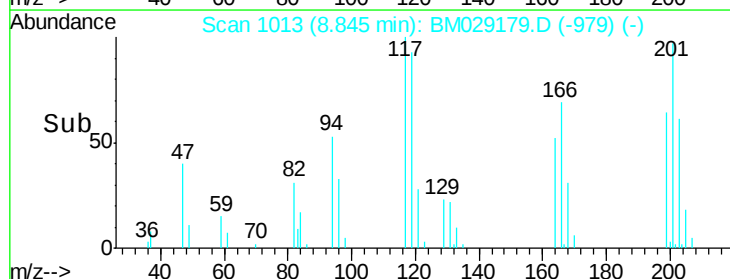
4000

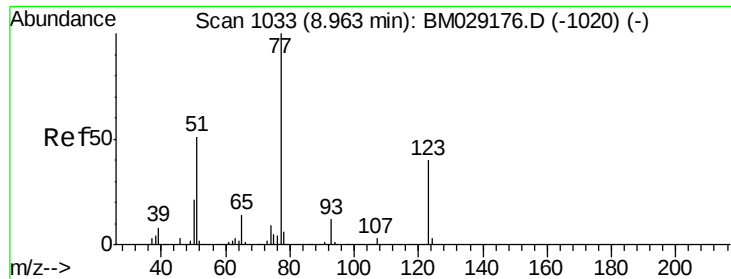
2000

0

8.80 8.85

Time-->





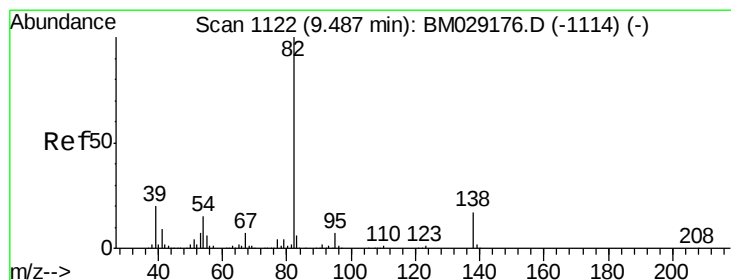
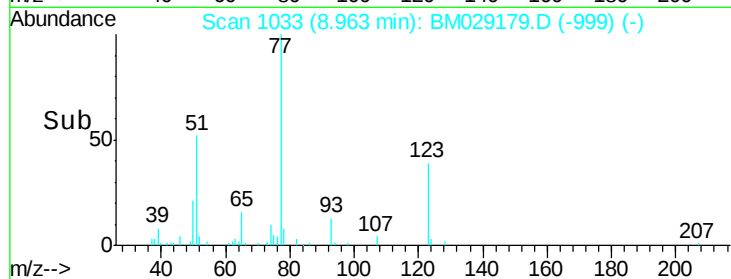
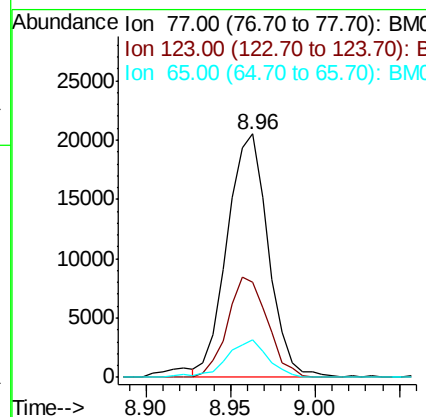
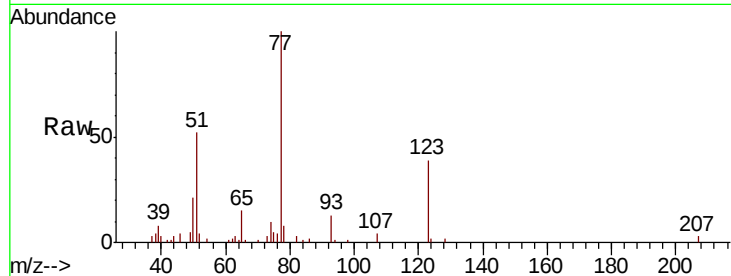
#22  
Nitrobenzene  
Concen: 4.970 ng/ul  
RT: 8.96 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 39.1  | 30.9  | 46.3  |
| 65      | 15.5  | 10.2  | 15.4  |

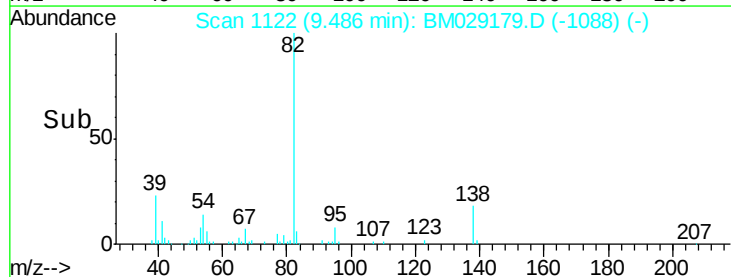
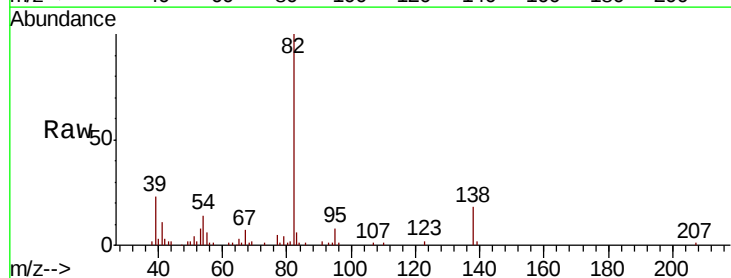
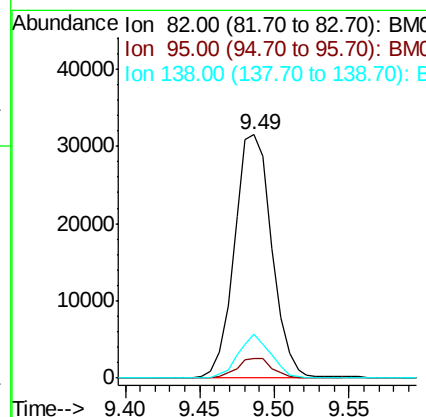
Manual Integrations  
APPROVED

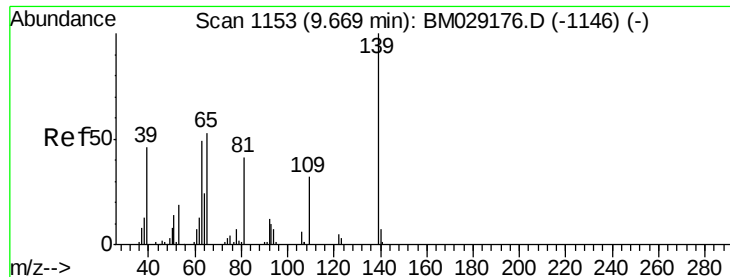
mohammad  
3/23/2021 11:23:18 AM



#23  
Isophorone  
Concen: 4.390 ng/ul  
RT: 9.49 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 8.2   | 6.2   | 9.2   |
| 138     | 18.1  | 15.1  | 22.7  |





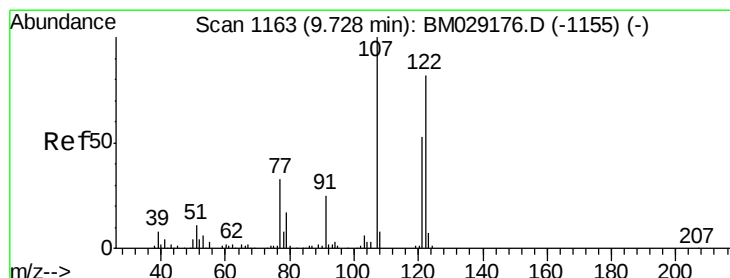
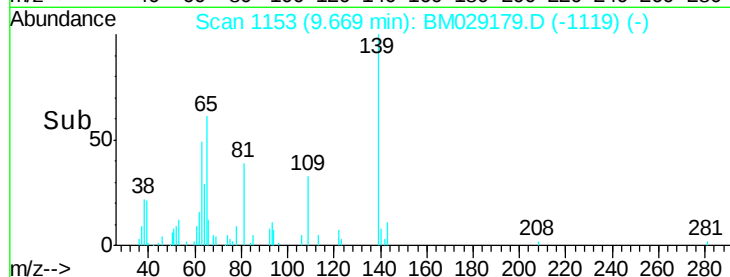
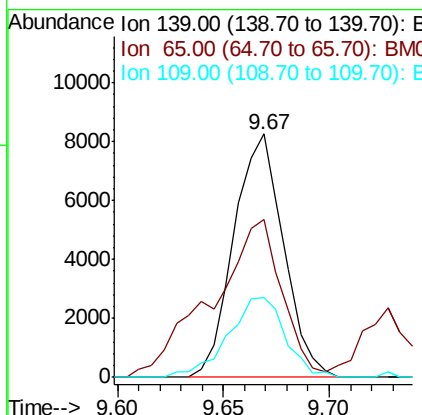
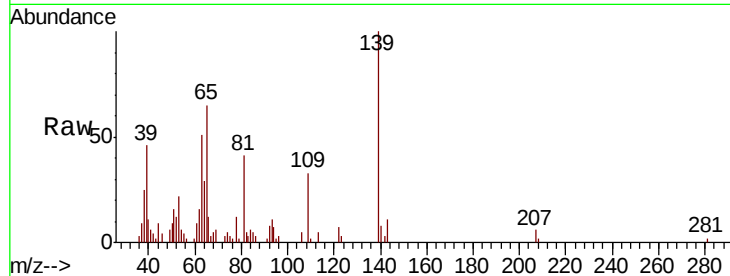
#25  
2-Nitrophenol  
Concen: 5.093 ng/ul  
RT: 9.67 min Scan# 1153  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 65      | 64.9  | 46.2  | 69.4  |
| 109     | 32.6  | 27.0  | 40.4  |

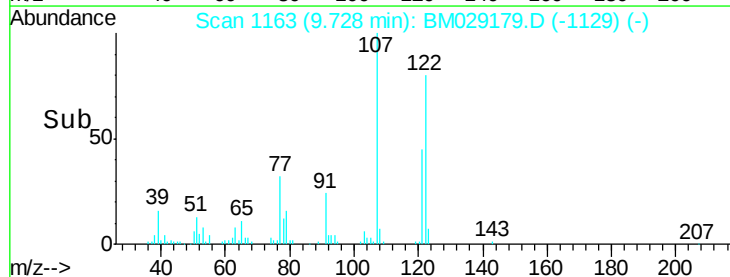
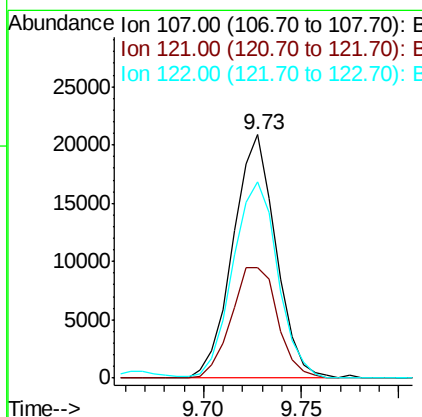
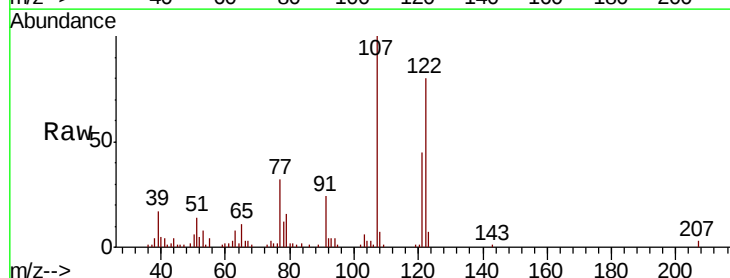
Manual Integrations  
APPROVED

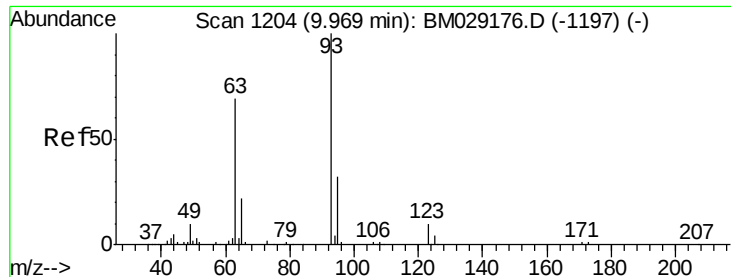
mohammad  
3/23/2021 11:23:18 AM



#26  
2,4-Dimethylphenol  
Concen: 4.421 ng/ul  
RT: 9.73 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 45.4  | 40.2  | 60.2  |
| 122     | 80.4  | 66.2  | 99.2  |





#27

Bis(2-Chloroethoxy)methane

Concen: 4.595 ng/ul

RT: 9.97 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

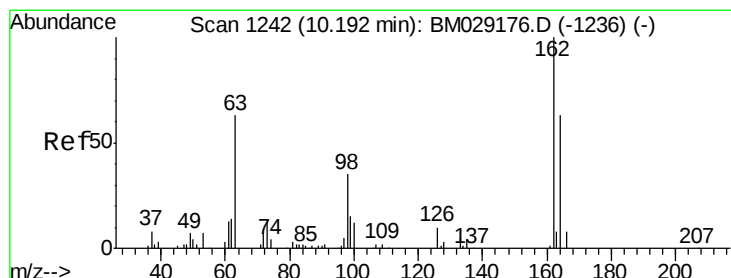
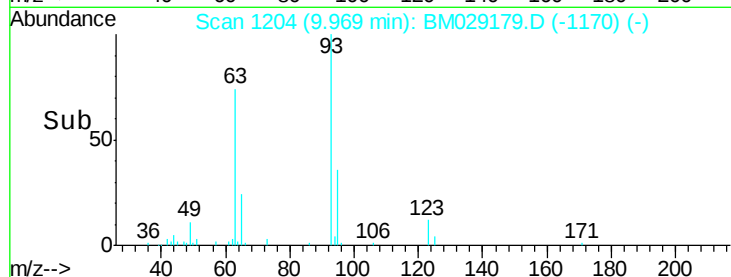
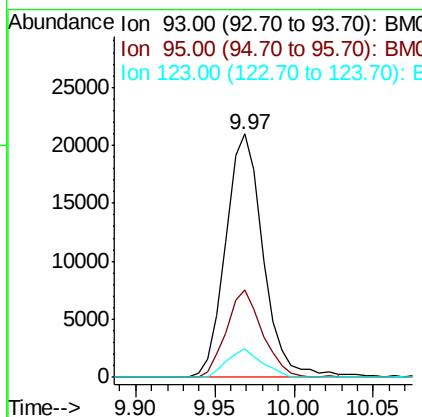
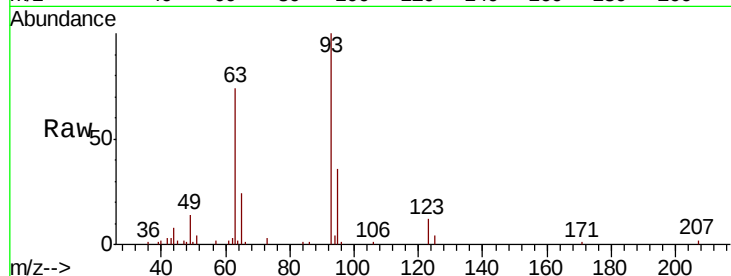
ClientSampleId :

MDL-SOIL-QT2-2021-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 93    | Resp: | 34402 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 35.7  | 25.6  | 38.4  |
| 123       | 11.9  | 9.0   | 13.4  |

Manual Integrations  
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#29

2,4-Dichlorophenol

Concen: 4.422 ng/ul

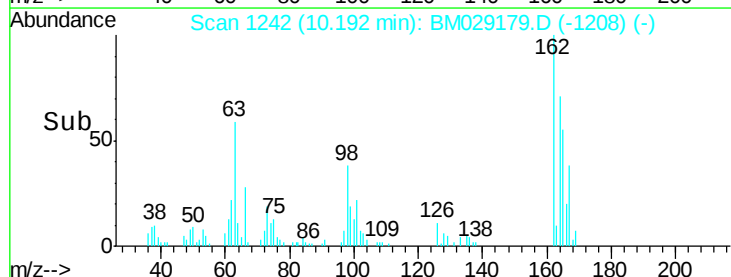
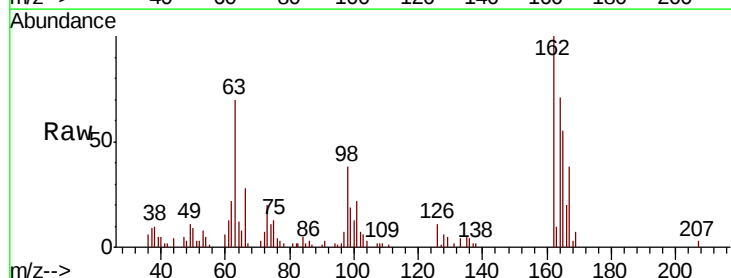
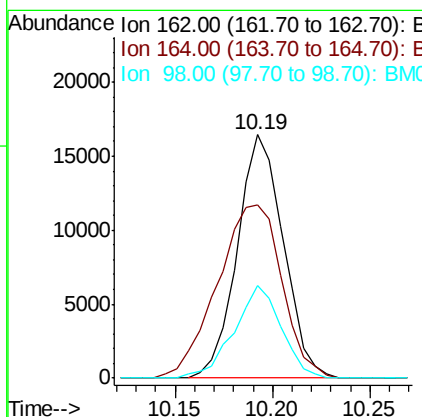
RT: 10.19 min Scan# 1242

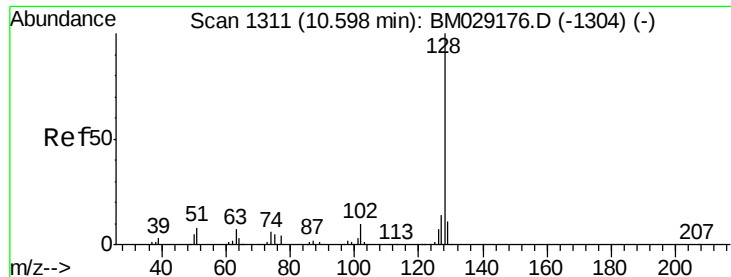
Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 26900 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 70.9  | 51.8  | 77.6  |
| 98        | 38.2  | 27.2  | 40.8  |





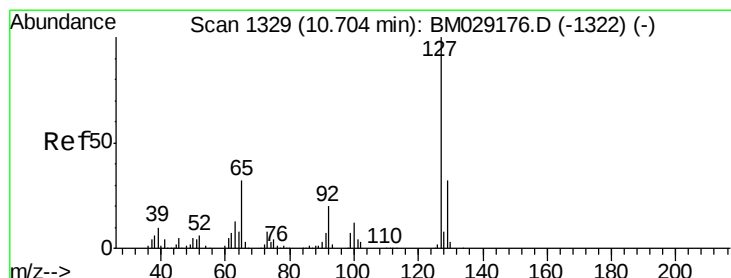
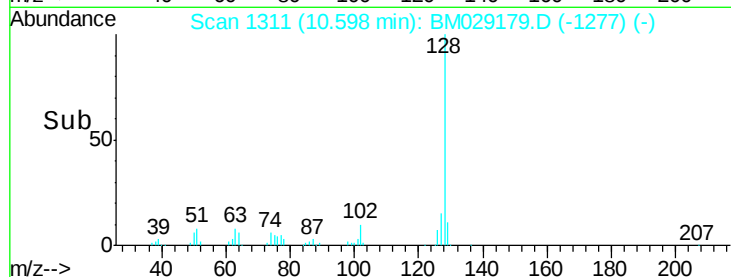
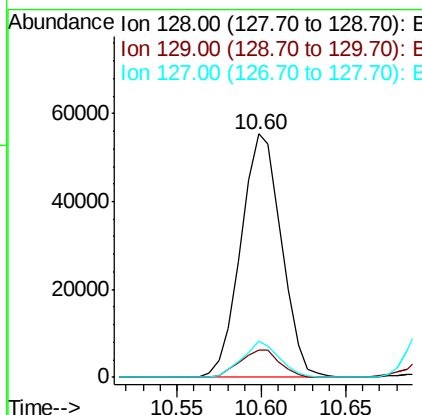
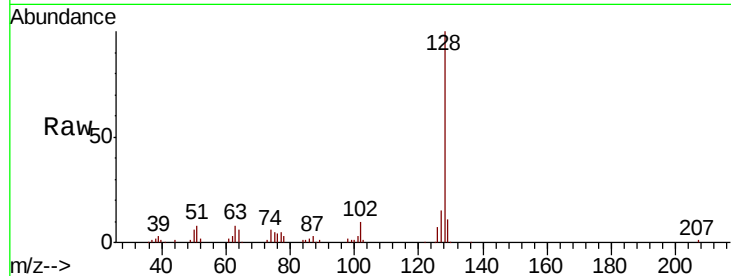
#30  
Naphthalene  
Concen: 4.535 ng/ul  
RT: 10.60 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 8.6   | 13.0  |
| 127     | 14.7  | 10.7  | 16.1  |

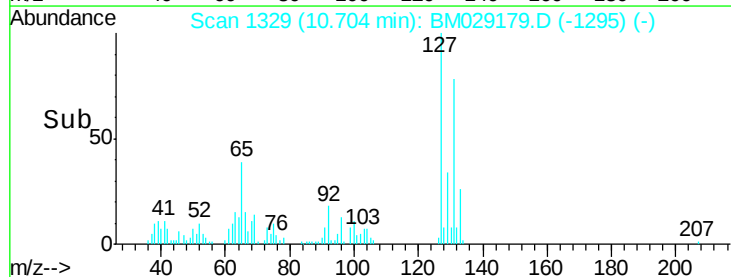
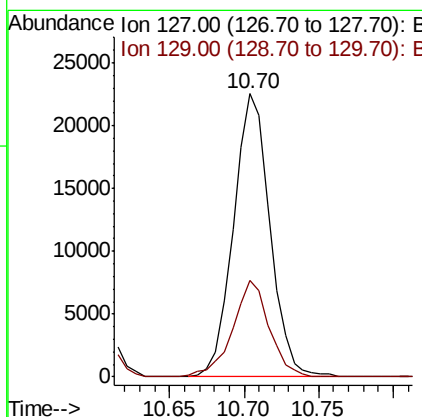
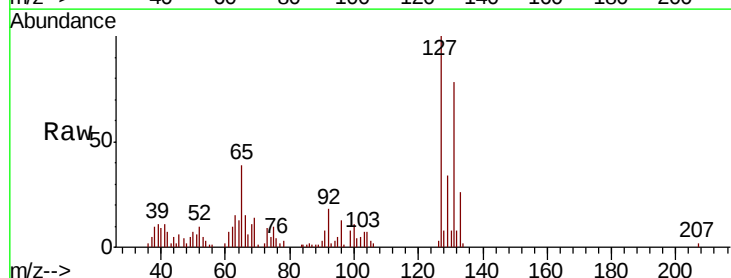
Manual Integrations  
APPROVED

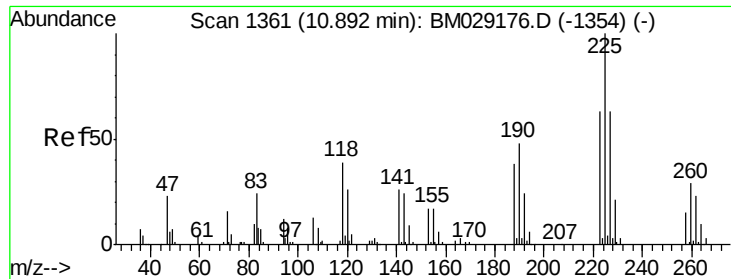
mohammad  
3/23/2021 11:23:18 AM



#32  
4-Chloroaniline  
Concen: 4.427 ng/ul  
RT: 10.70 min Scan# 1329  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.9  | 26.6  | 39.8  |





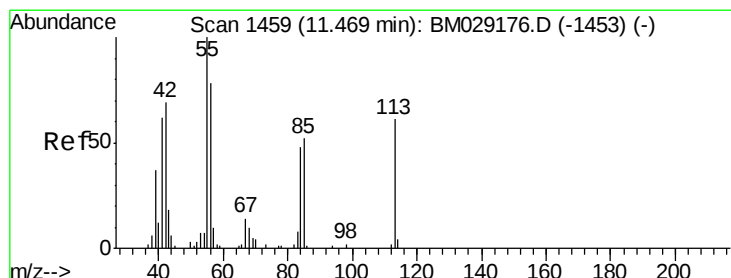
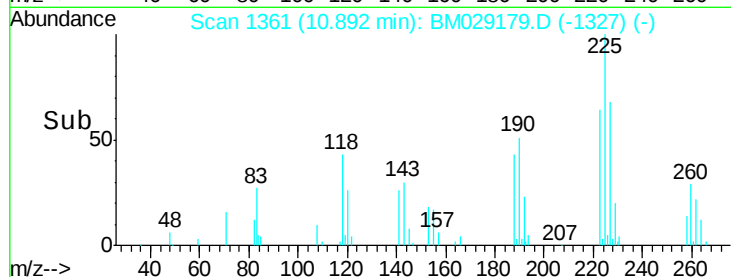
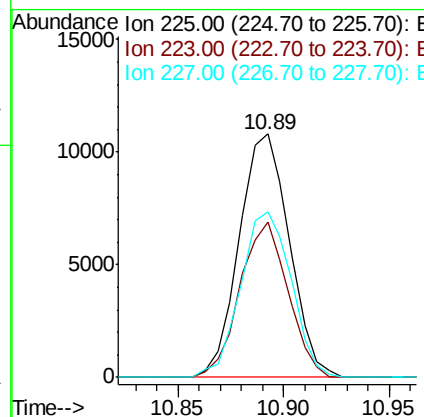
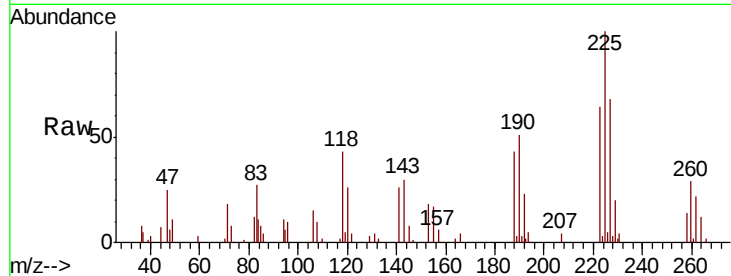
#33  
Hexachlorobutadiene  
Concen: 4.069 ng/ul  
RT: 10.89 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 17773 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.7  | 49.3  | 73.9  |
| 227       | 67.9  | 46.9  | 70.3  |

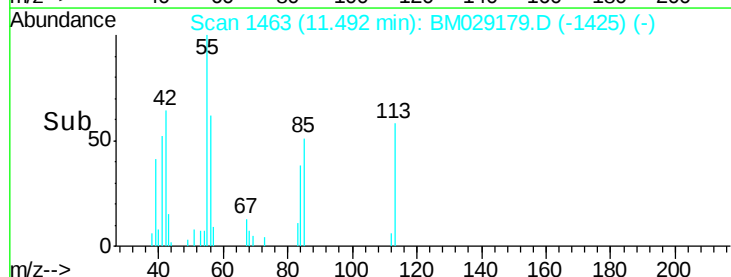
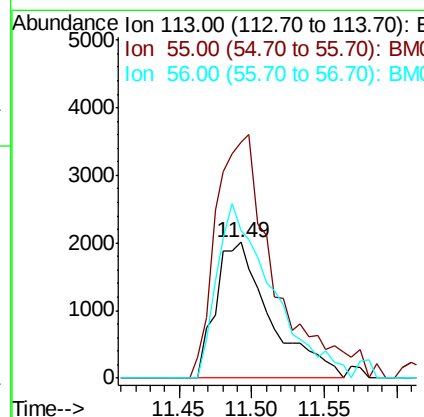
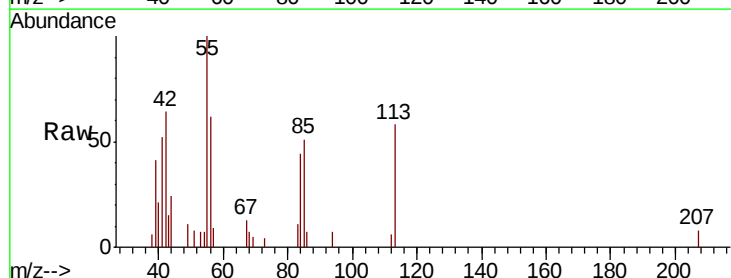
Manual Integrations  
APPROVED

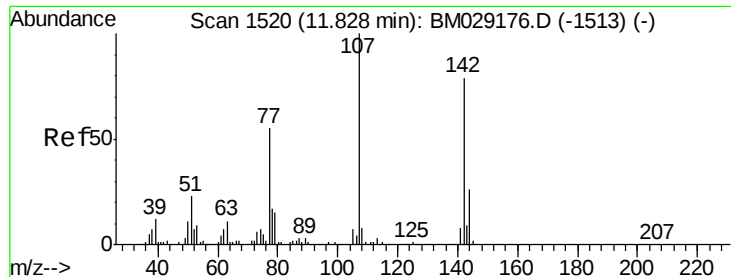
mohammad  
3/23/2021 11:23:18 AM



#34  
Caprolactam  
Concen: 3.385 ng/ul m  
RT: 11.49 min Scan# 1463  
Delta R.T. 0.02 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 5234  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 173.4 | 116.7 | 175.1 |
| 56        | 108.4 | 91.4  | 137.0 |





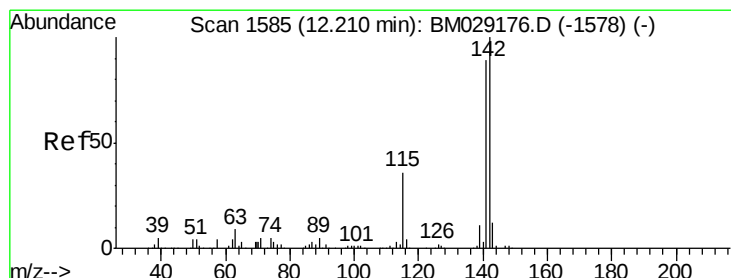
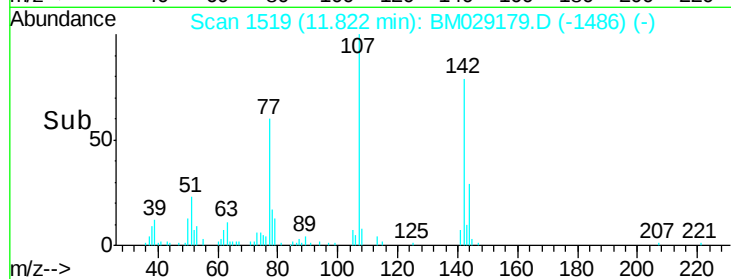
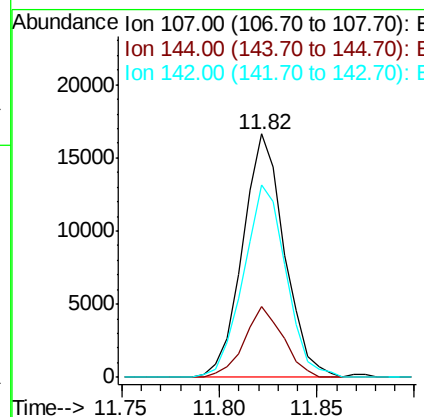
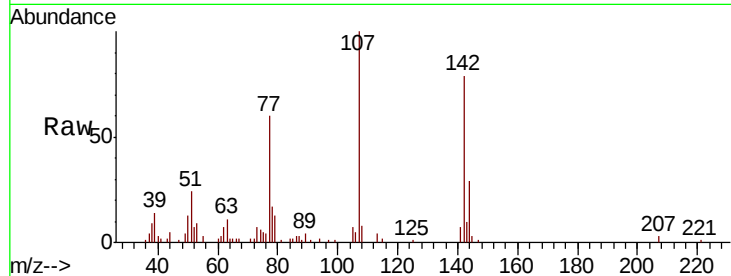
#35  
4-Chloro-3-methylphenol  
Concen: 4.176 ng/ul  
RT: 11.82 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 29.0  | 22.4  | 33.6  |
| 142     | 79.0  | 66.0  | 99.0  |

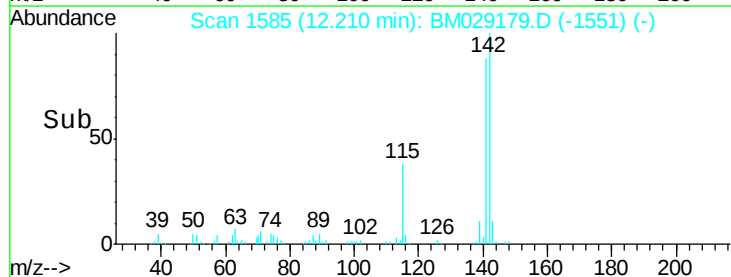
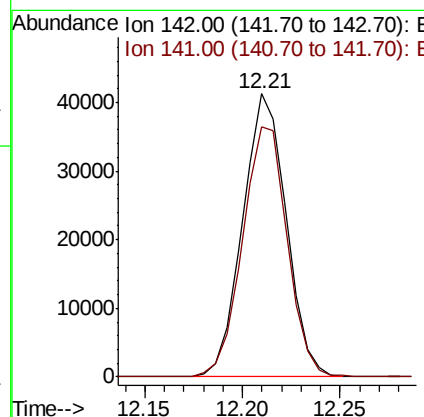
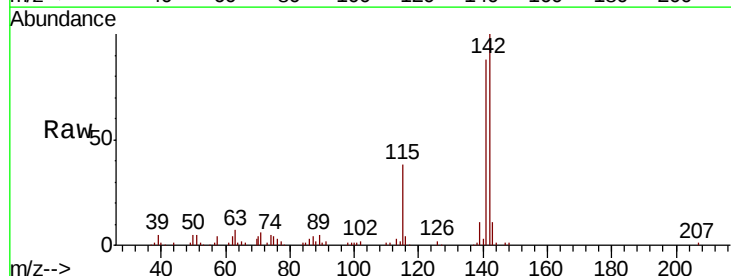
Manual Integrations  
APPROVED

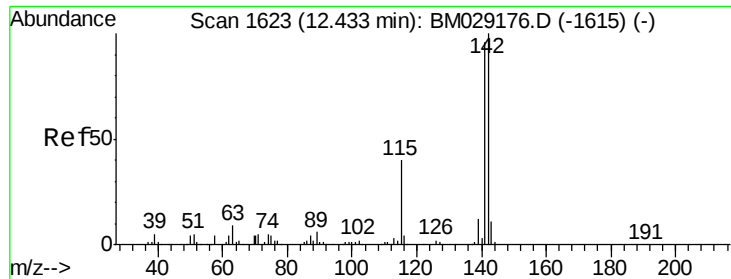
mohammad  
3/23/2021 11:23:18 AM



#36  
2-Methylnaphthalene  
Concen: 4.404 ng/ul  
RT: 12.21 min Scan# 1585  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 69.8  | 104.8 |





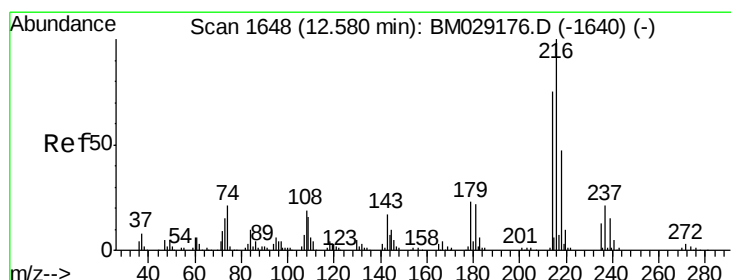
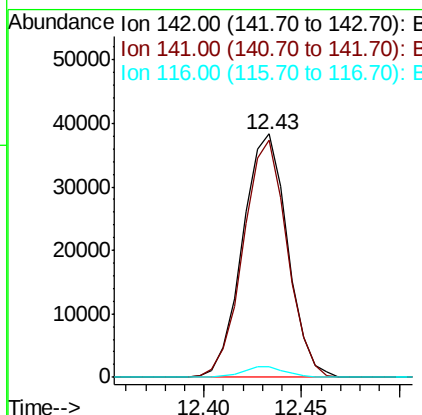
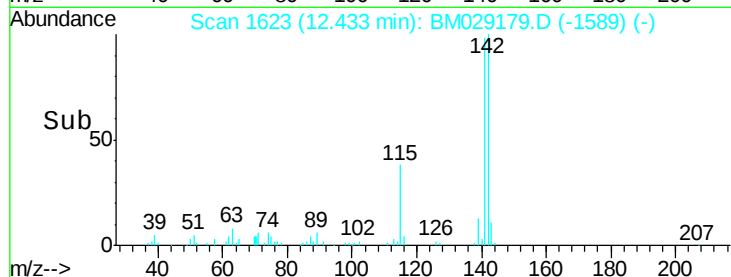
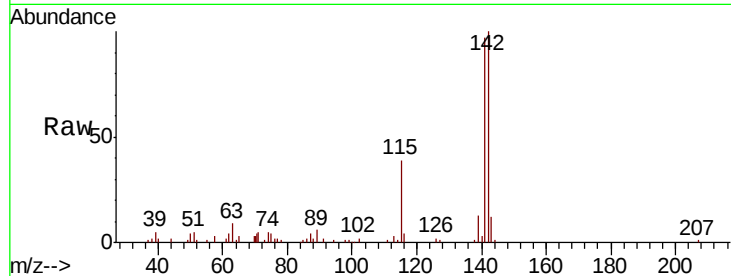
#37  
1-Methylnaphthalene  
Concen: 4.271 ng/ul  
RT: 12.43 min Scan# 1623  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 97.2  | 74.0  | 111.0 |
| 116     | 4.3   | 3.1   | 4.7   |

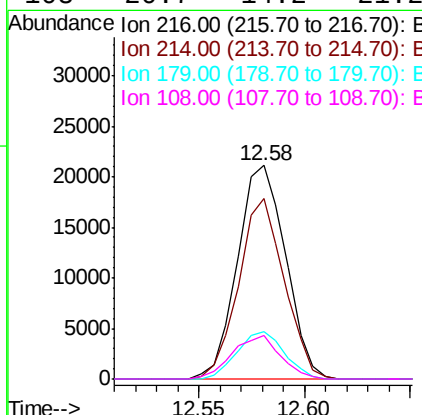
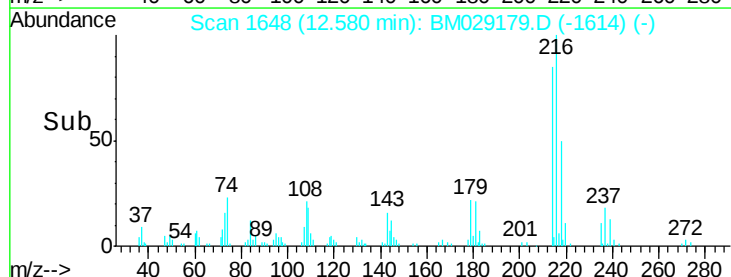
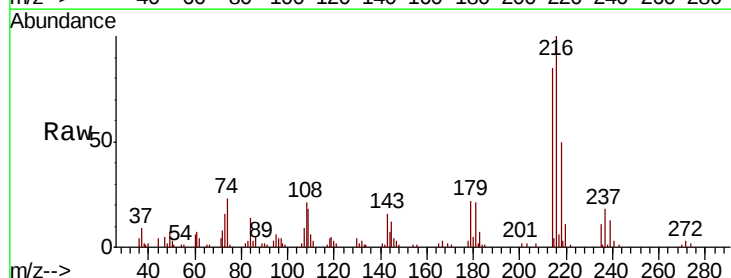
Manual Integrations  
APPROVED

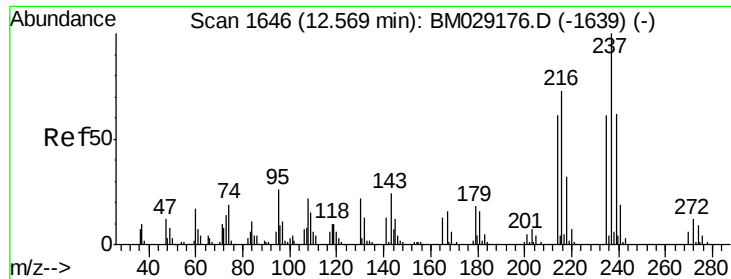
mohammad  
3/23/2021 11:23:18 AM



#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.264 ng/ul  
RT: 12.58 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 84.7  | 63.1  | 94.7  |
| 179     | 22.4  | 16.9  | 25.3  |
| 108     | 20.7  | 14.2  | 21.2  |





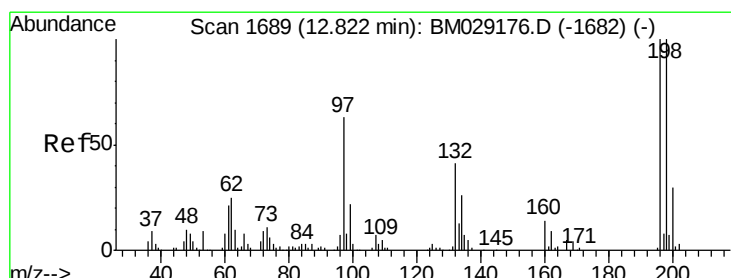
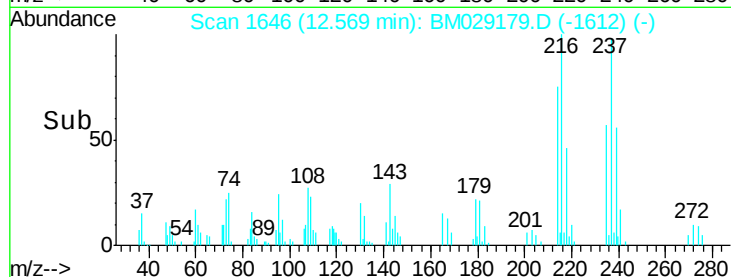
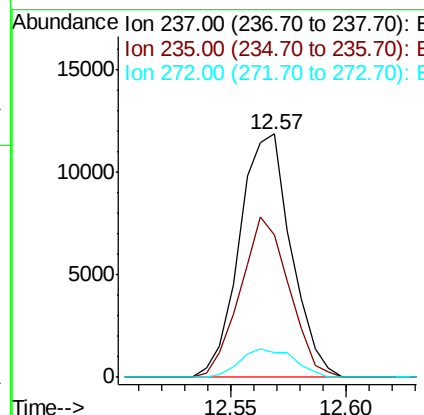
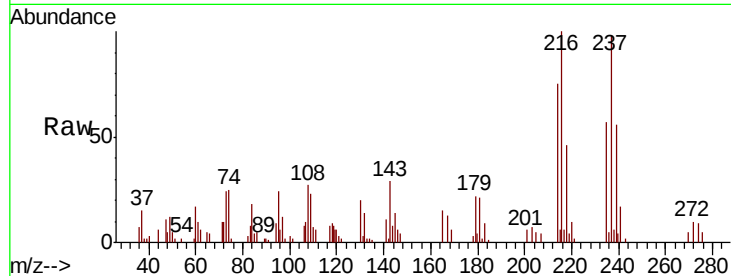
#40  
Hexachlorocyclopentadiene  
Concen: 3.594 ng/uL  
RT: 12.57 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 58.6  | 52.2  | 78.2  |
| 272     | 10.3  | 11.0  | 16.6  |

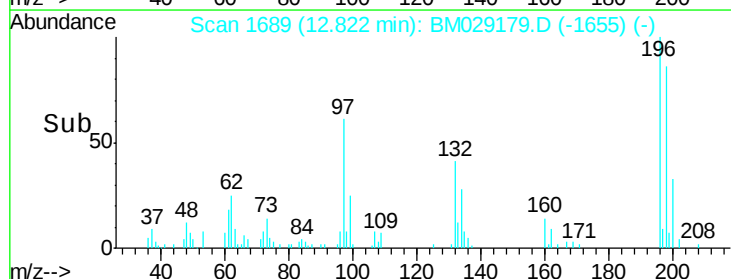
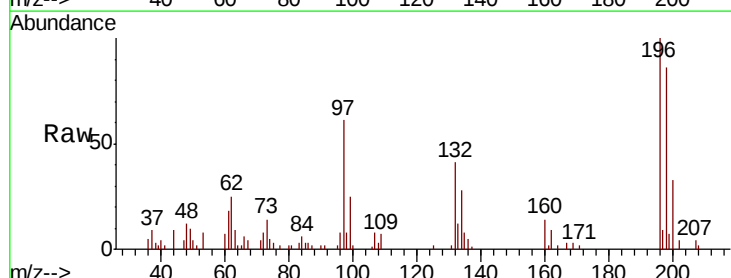
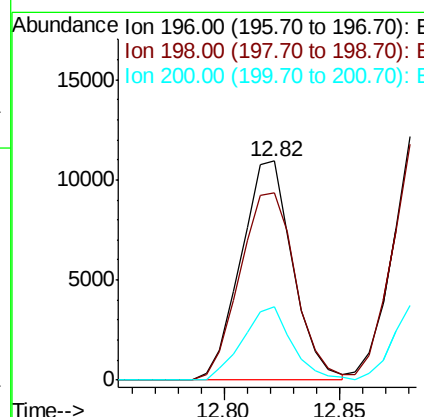
Manual Integrations  
APPROVED

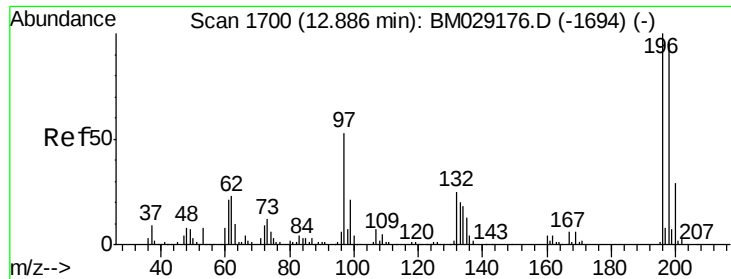
mohammad  
3/23/2021 11:23:18 AM



#41  
2,4,6-Trichlorophenol  
Concen: 3.986 ng/uL  
RT: 12.82 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 85.8  | 73.2  | 109.8 |
| 200     | 33.4  | 23.1  | 34.7  |





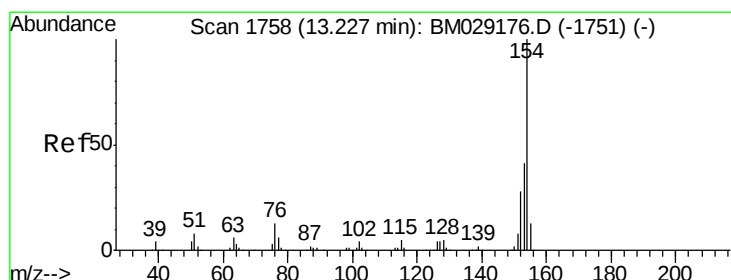
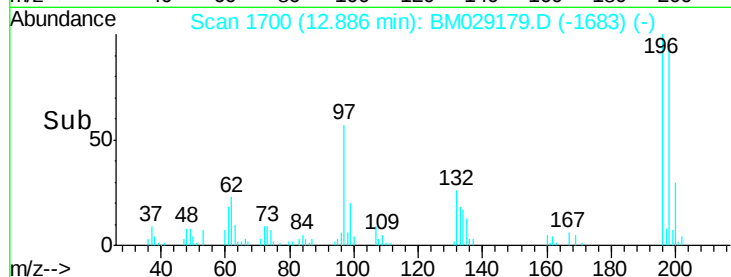
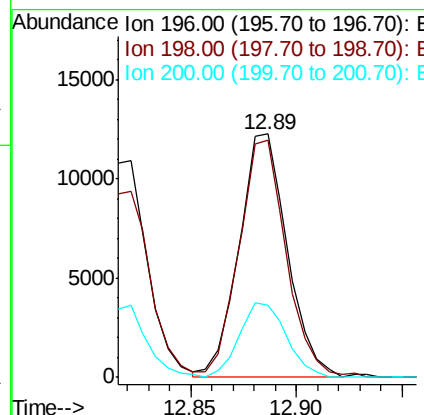
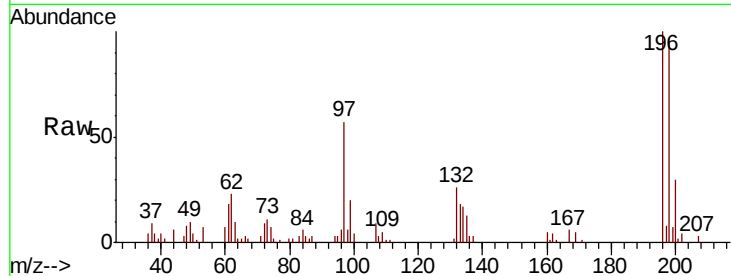
#42  
2,4,5-Trichlorophenol  
Concen: 4.235 ng/ul  
RT: 12.89 min Scan# 1700  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 19419 |       |       |
| 198     | 97.4  | 78.8  | 118.2 |       |
| 200     | 29.6  | 25.8  | 38.8  |       |

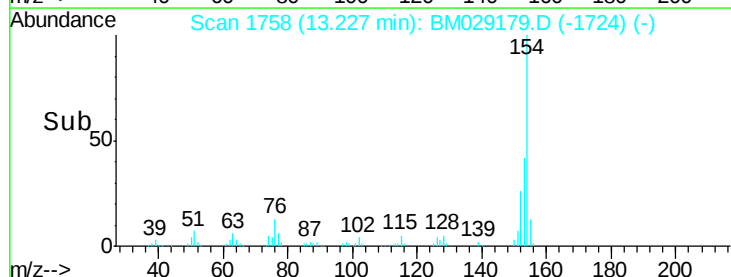
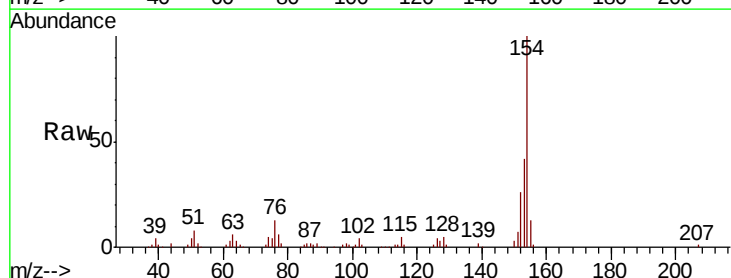
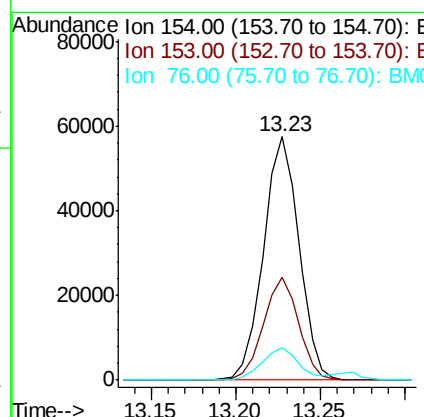
Manual Integrations  
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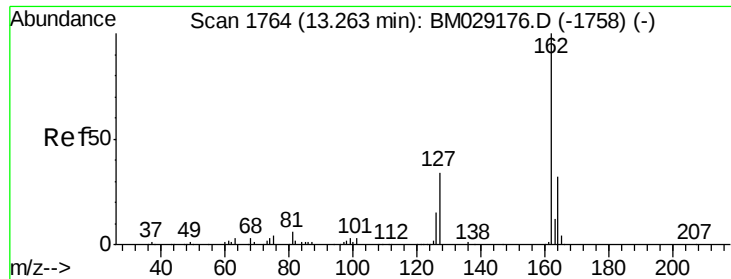
mohammad  
3/23/2021 11:23:18 AM



#43  
1,1'-Biphenyl  
Concen: 4.528 ng/ul  
RT: 13.23 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 83531 |       |       |
| 153     | 42.3  | 31.9  | 47.9  |       |
| 76      | 13.3  | 9.4   | 14.0  |       |





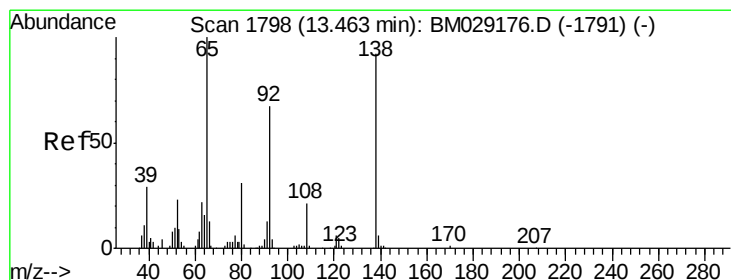
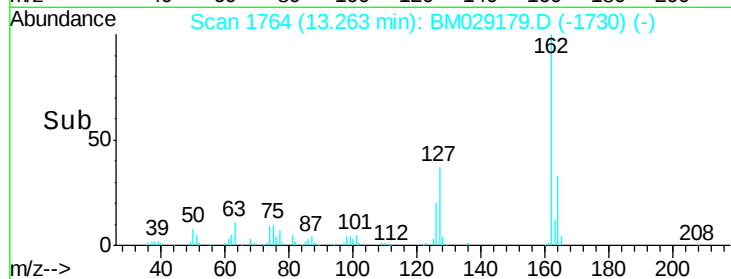
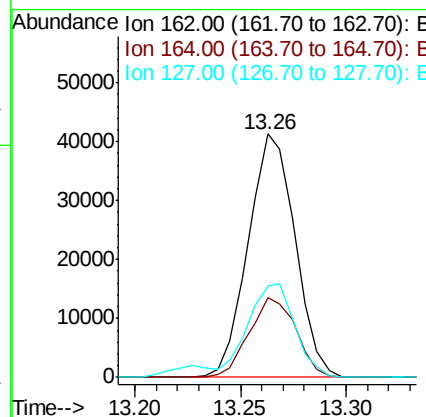
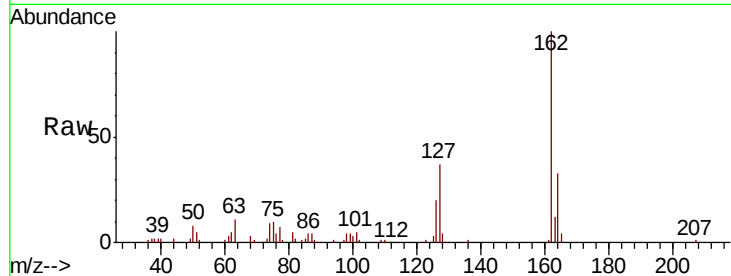
#44  
2-Chloronaphthalene  
Concen: 4.368 ng/ul  
RT: 13.26 min Scan# 1764  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 32.6  | 25.9  | 38.9  |
| 127     | 37.3  | 29.5  | 44.3  |

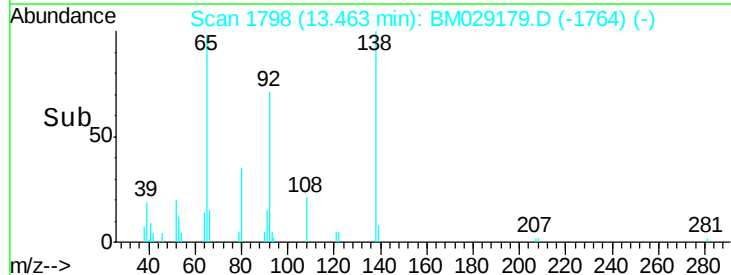
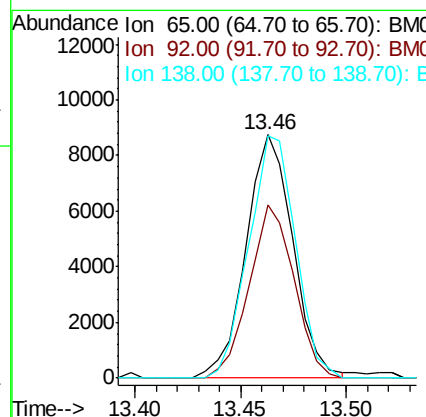
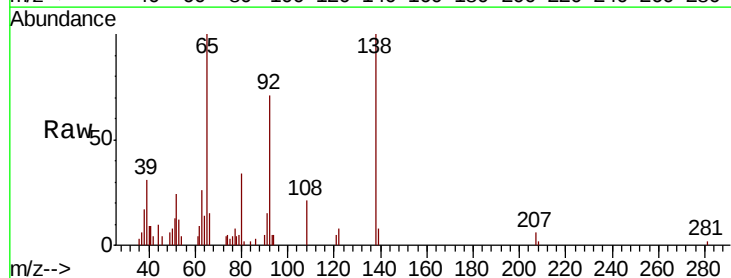
Manual Integrations  
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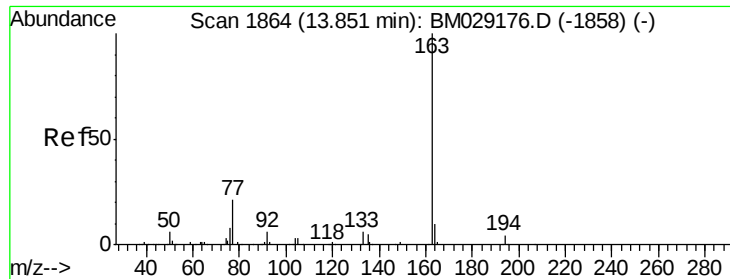
mohammad  
3/23/2021 11:23:18 AM



#45  
2-Nitroaniline  
Concen: 4.316 ng/ul  
RT: 13.46 min Scan# 1798  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 71.2  | 51.2  | 76.8  |
| 138     | 99.7  | 77.0  | 115.4 |





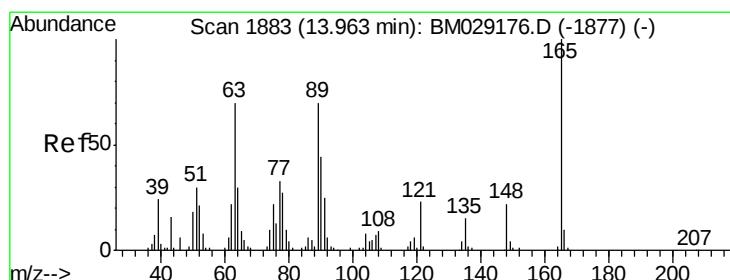
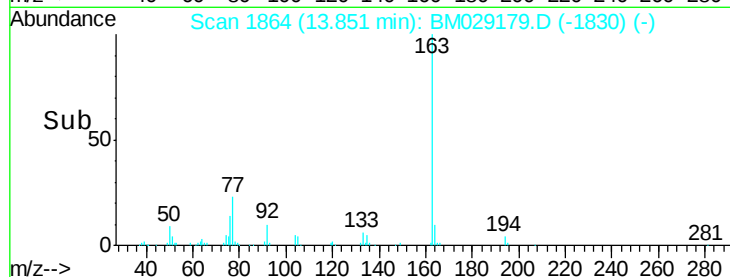
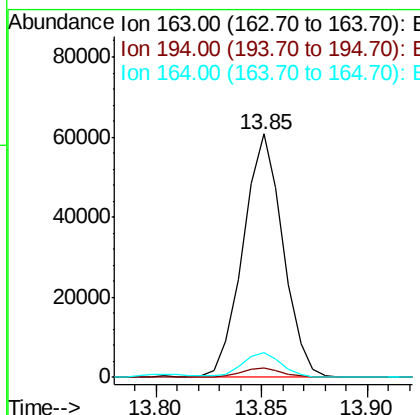
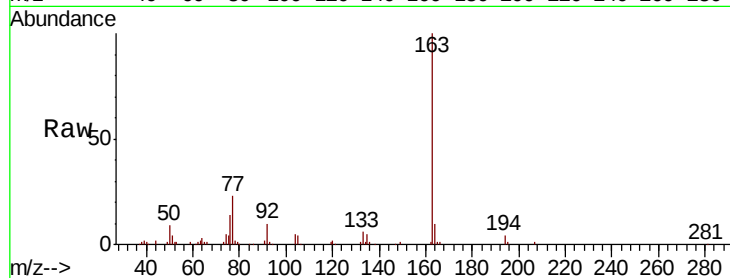
#47  
Dimethylphthalate  
Concen: 4.558 ng/ul  
RT: 13.85 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 2.9   | 4.3   |
| 164     | 10.1  | 7.4   | 11.2  |

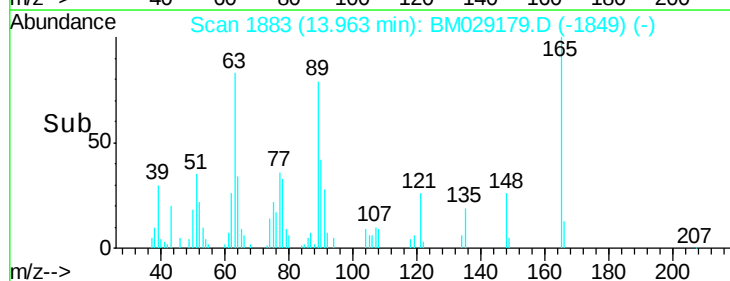
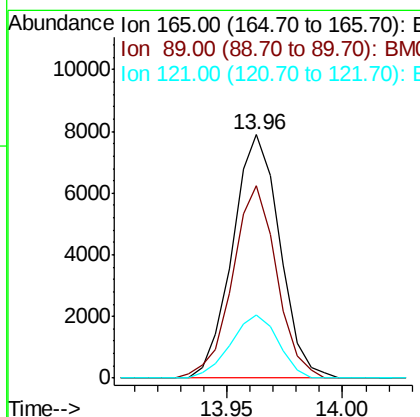
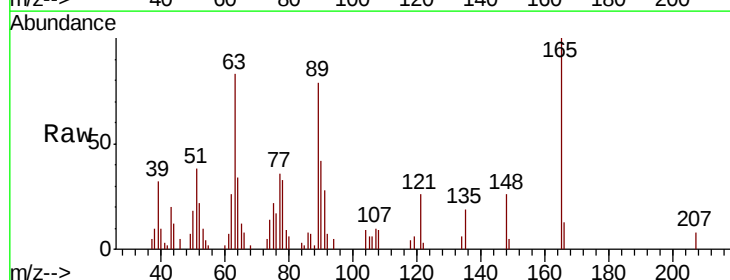
Manual Integrations  
APPROVED

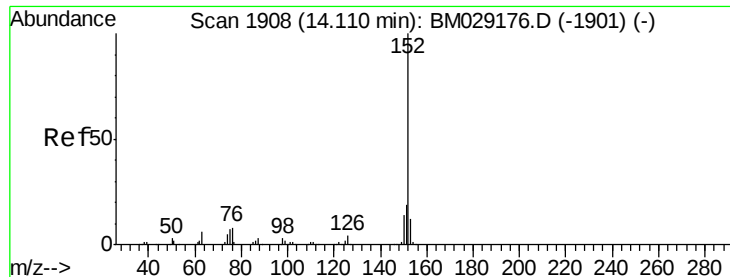
mohammad  
3/23/2021 11:23:18 AM



#48  
2,6-Dinitrotoluene  
Concen: 4.124 ng/ul  
RT: 13.96 min Scan# 1883  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 79.1  | 50.6  | 75.8# |
| 121     | 26.1  | 18.7  | 28.1  |





#50

Acenaphthylene

Concen: 4.606 ng/ul

RT: 14.11 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

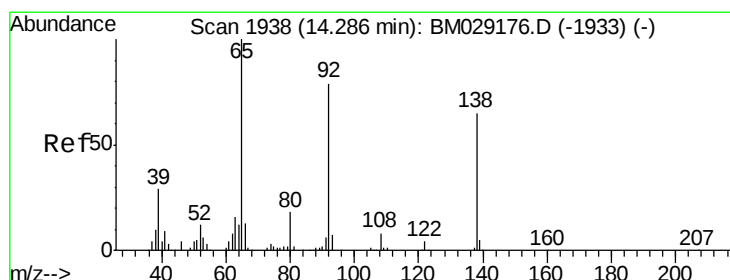
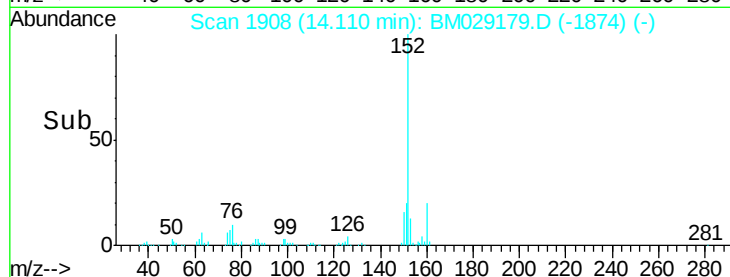
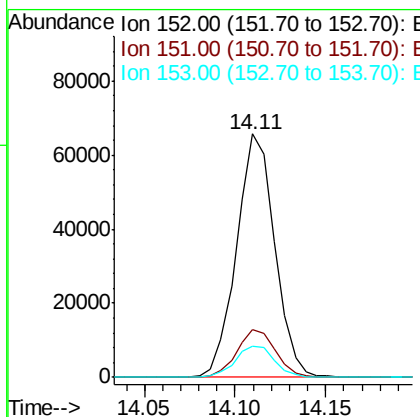
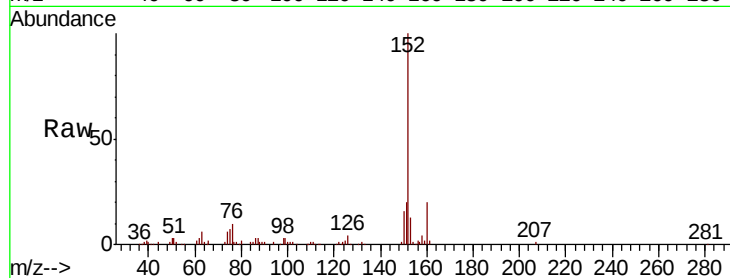
ClientSampleId :

MDL-SOIL-QT2-2021-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 96256 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.6  | 16.2  | 24.2  |
| 153       | 12.8  | 10.6  | 16.0  |

Manual Integrations  
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3/23/2021 11:23:18 AM



#51

3-Nitroaniline

Concen: 3.943 ng/ul

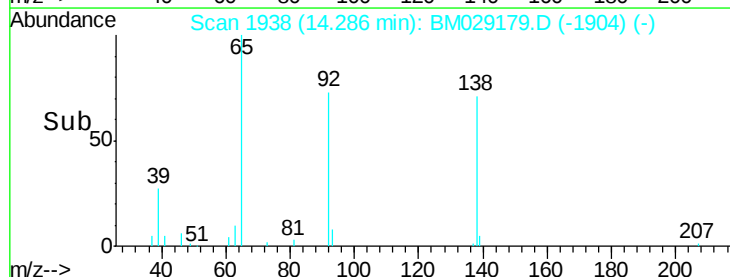
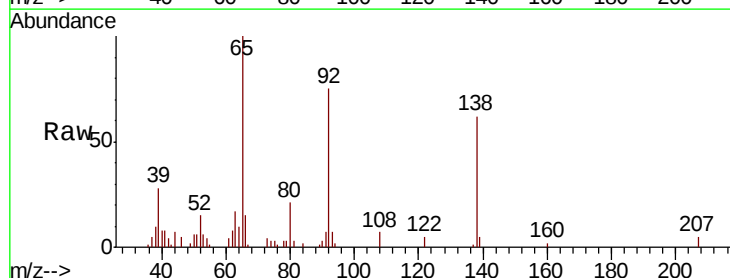
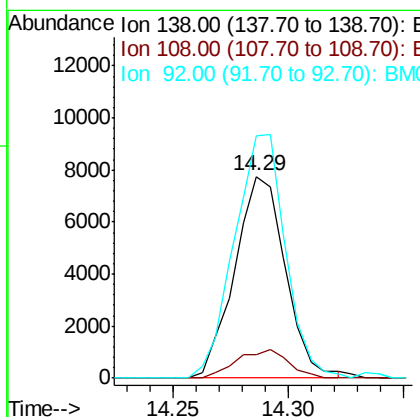
RT: 14.29 min Scan# 1938

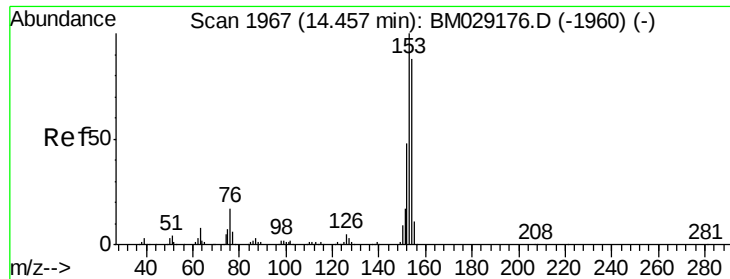
Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 11870 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 11.4  | 14.0  | 21.0# |
| 92        | 120.4 | 97.2  | 145.8 |





#52

Acenaphthene

Concen: 4.491 ng/ul

RT: 14.45 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

Instrument :

BNA\_M

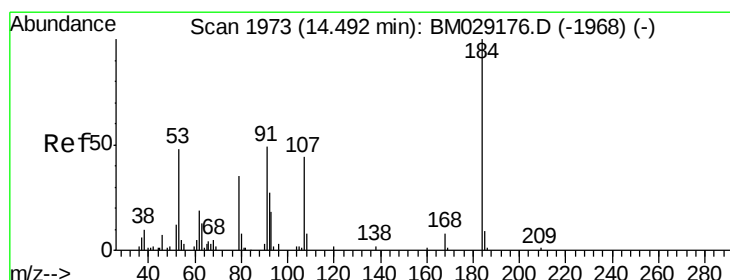
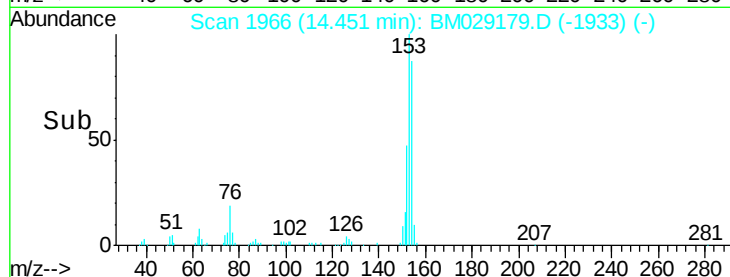
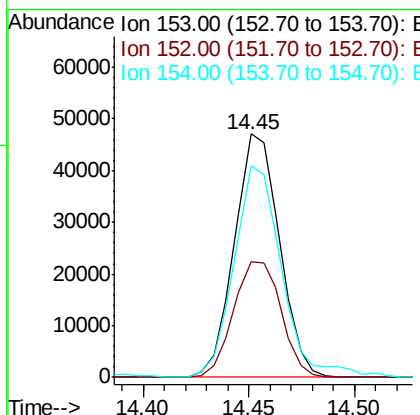
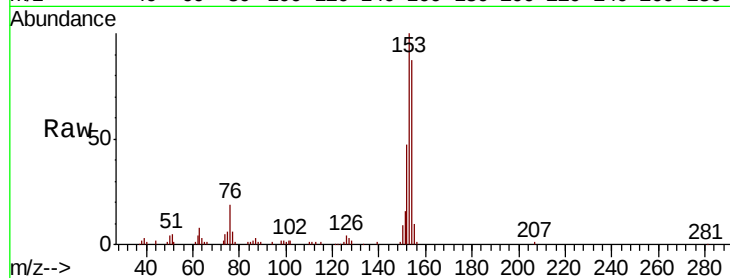
ClientSampleId :

MDL-SOIL-QT2-2021-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 153   | Resp: | 69681 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 47.4  | 38.1  | 57.1  |
| 154       | 87.1  | 67.0  | 100.6 |

Manual Integrations  
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#53

2,4-Dinitrophenol

Concen: 3.642 ng/ul

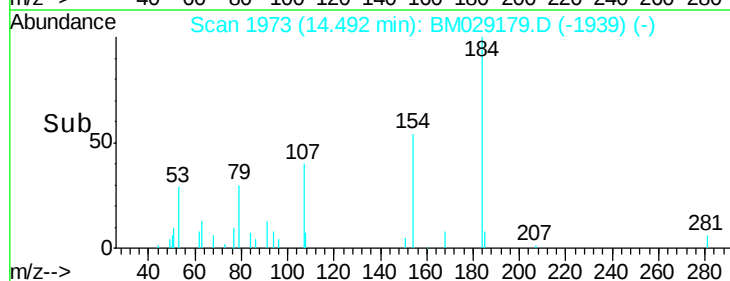
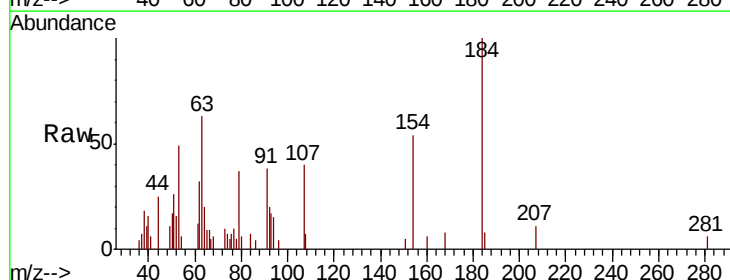
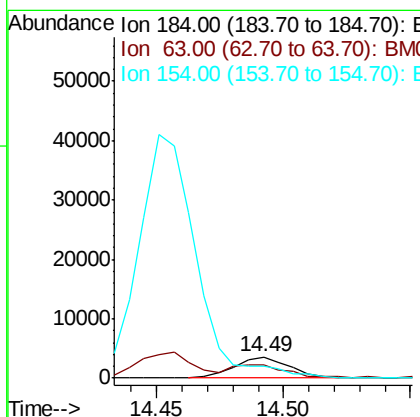
RT: 14.49 min Scan# 1973

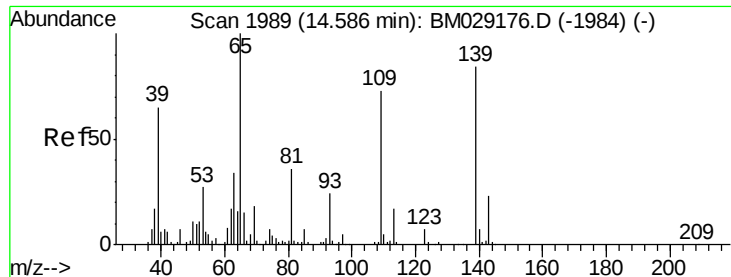
Delta R.T. -0.00 min

Lab File: BM029179.D

Acq: 22 Mar 2021 15:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 184   | Resp: | 5321 |
| Ion Ratio | Lower | Upper |      |
| 184       | 100   |       |      |
| 63        | 63.0  | 49.3  | 73.9 |
| 154       | 54.2  | 48.3  | 72.5 |





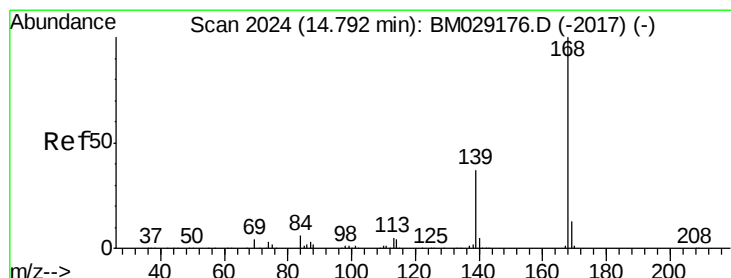
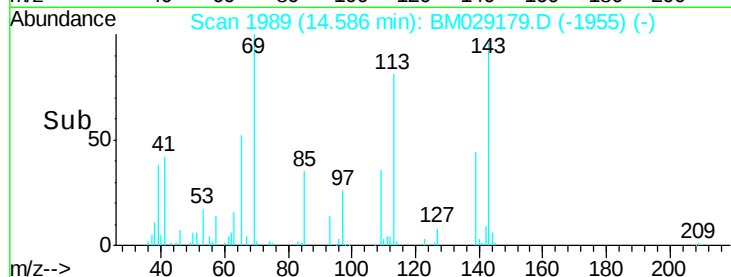
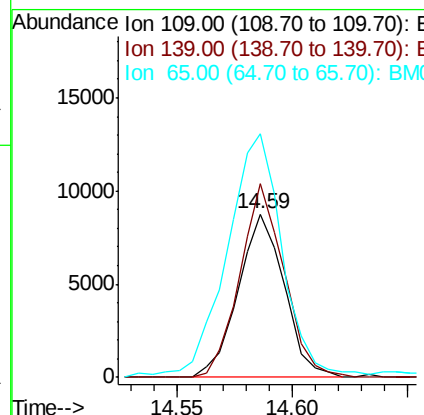
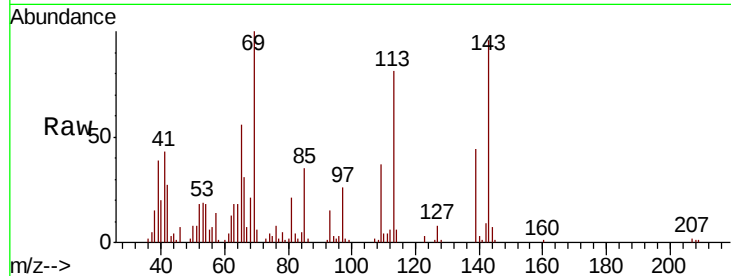
#55  
4-Nitrophenol  
Concen: 4.603 ng/ul  
RT: 14.59 min Scan# 1989  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 109     | 100   |       |       |       |
| 139     | 118.9 | 94.2  | 141.4 |       |
| 65      | 149.0 | 105.9 | 158.9 |       |

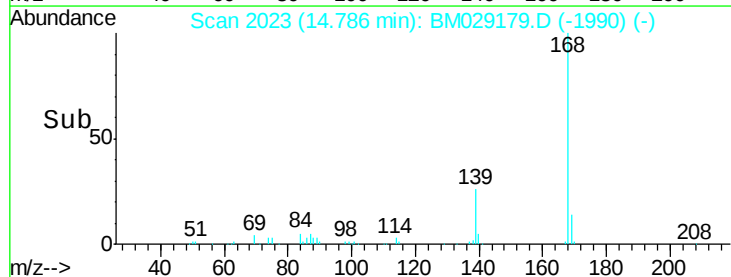
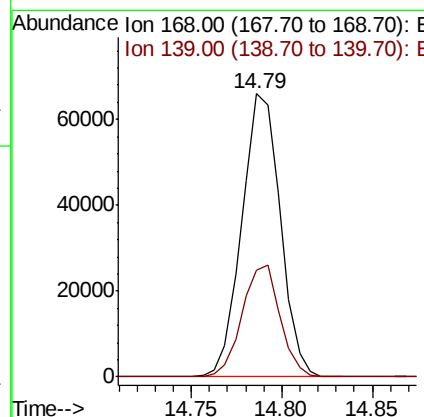
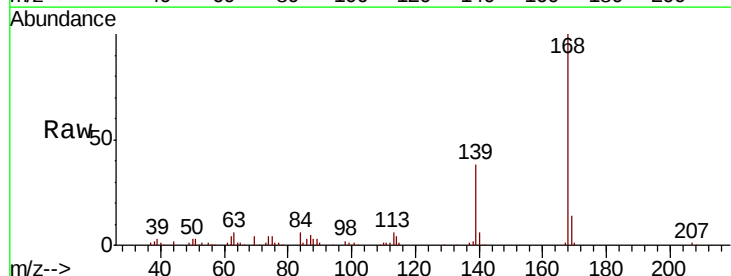
Manual Integrations  
APPROVED

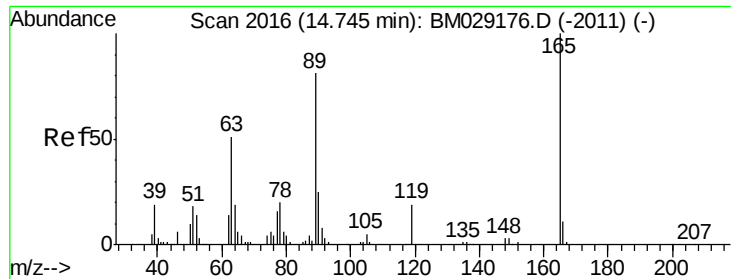
mohammad  
3/23/2021 11:23:18 AM



#56  
Dibenzofuran  
Concen: 4.532 ng/ul  
RT: 14.79 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.8  | 31.0 | 46.6  |       |





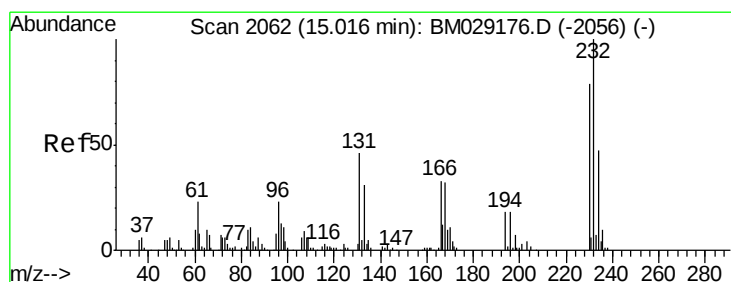
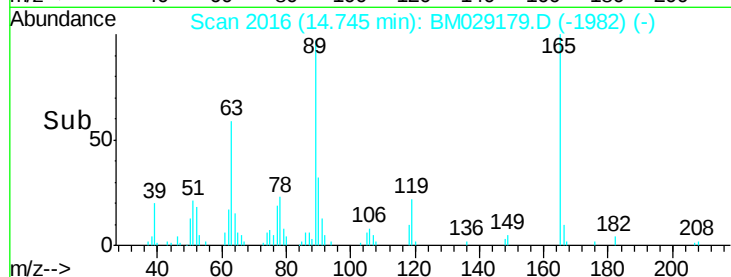
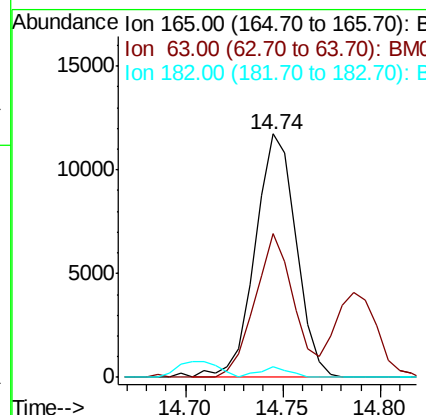
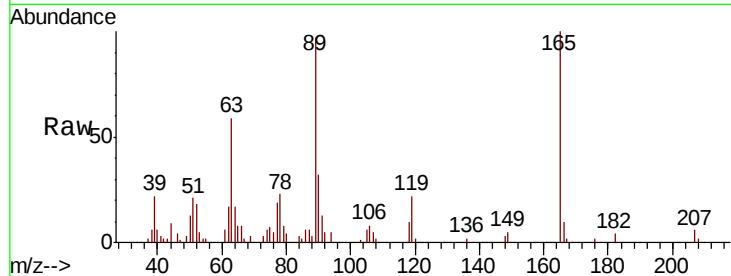
#57  
2,4-Dinitrotoluene  
Concen: 4.394 ng/ul  
RT: 14.74 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 17068 |       |       |
| 63      | 58.9  | 41.0  | 61.4  |       |
| 182     | 4.3   | 2.6   | 3.8#  |       |

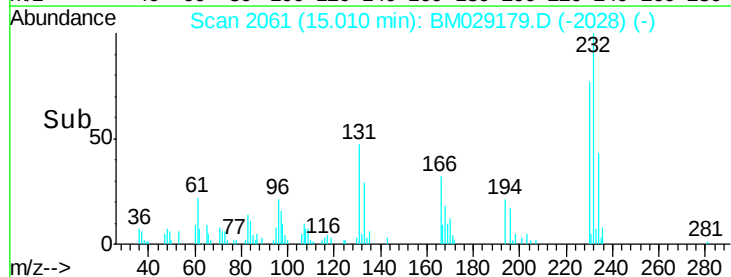
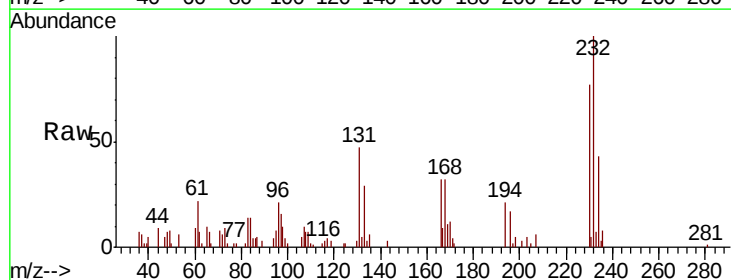
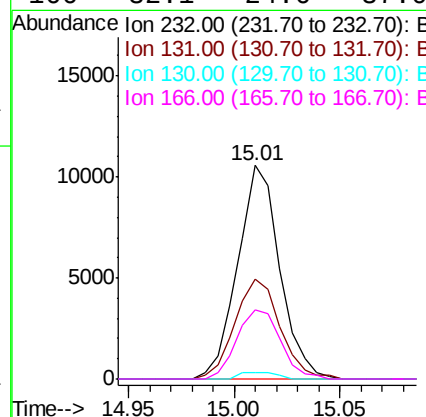
Manual Integrations  
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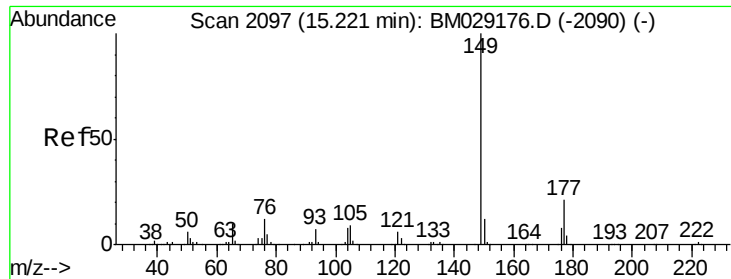
mohammad  
3/23/2021 11:23:18 AM



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.978 ng/ul  
RT: 15.01 min Scan# 2061  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 232     | 100   | 14615 |       |       |
| 131     | 46.7  | 35.6  | 53.4  |       |
| 130     | 2.8   | 2.7   | 4.1   |       |
| 166     | 32.1  | 24.6  | 37.0  |       |





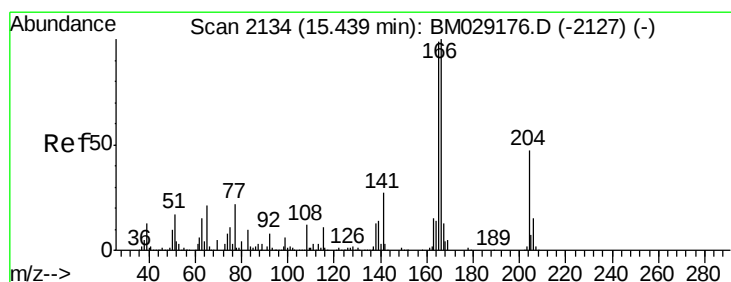
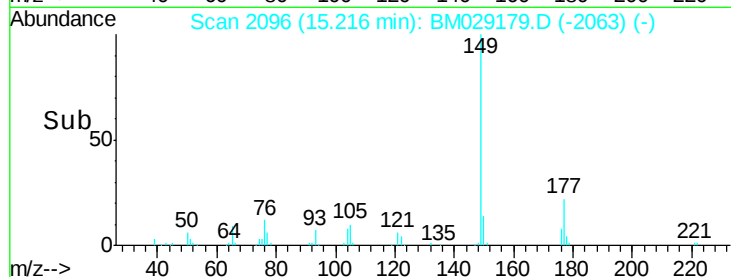
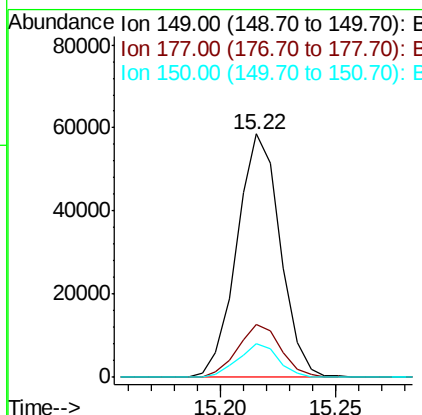
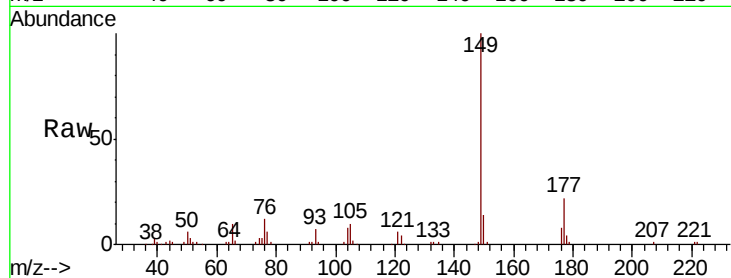
#59  
Diethylphthalate  
Concen: 4.464 ng/ul  
RT: 15.22 min Scan# 2096  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 17.2  | 25.8  |
| 150     | 13.9  | 10.2  | 15.4  |

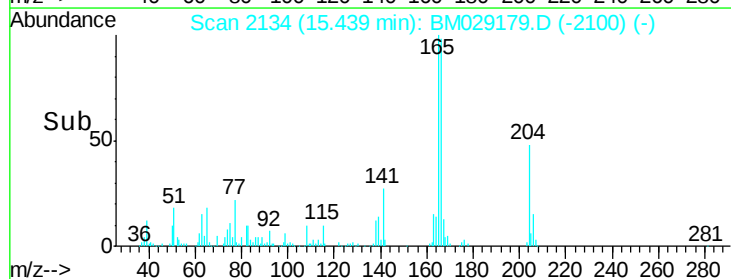
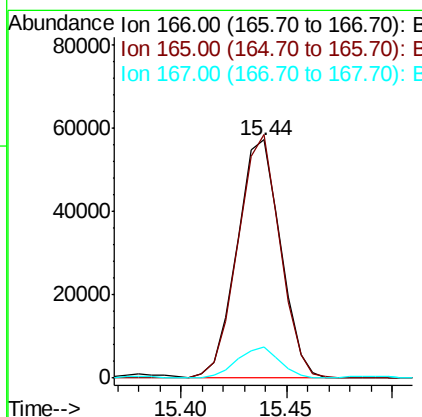
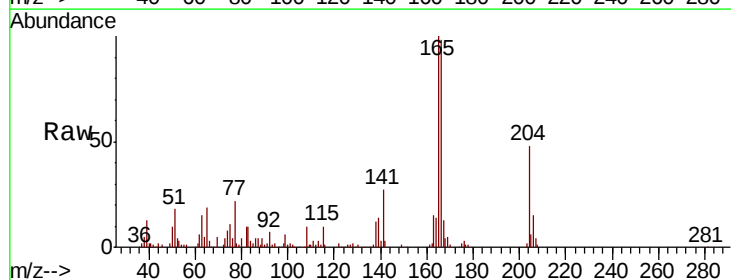
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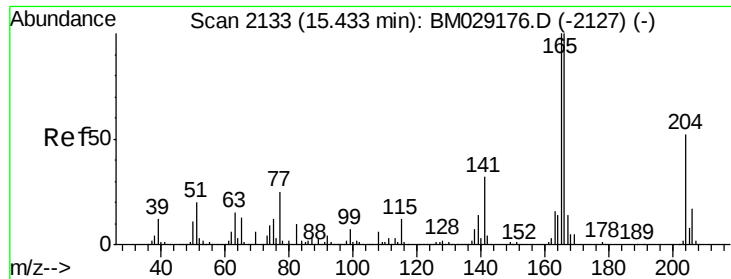
mohammad  
3/23/2021 11:23:18 AM



#61  
Fluorene  
Concen: 4.537 ng/ul  
RT: 15.44 min Scan# 2134  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.3 | 77.2  | 115.8 |
| 167     | 13.0  | 10.7  | 16.1  |





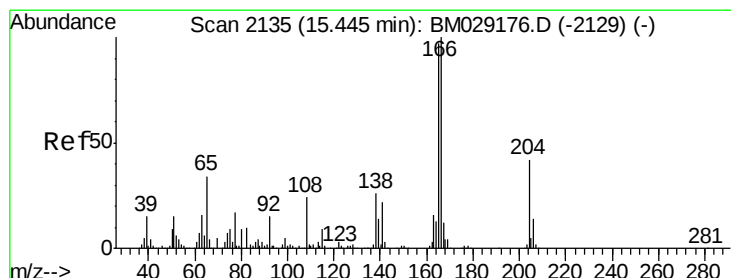
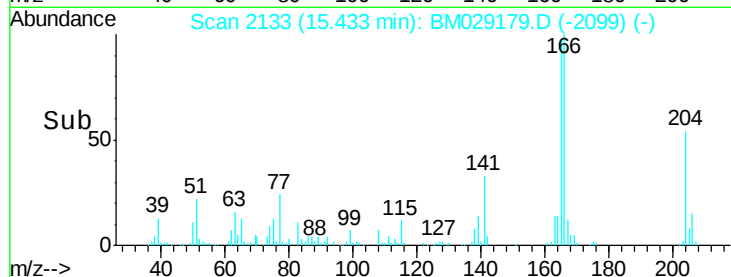
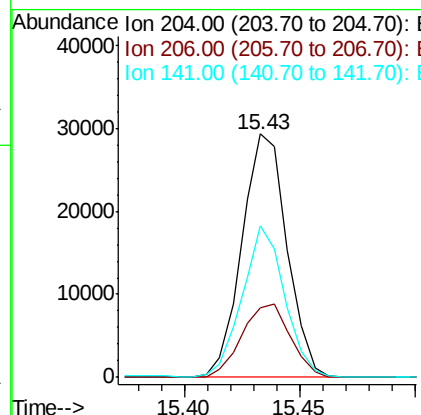
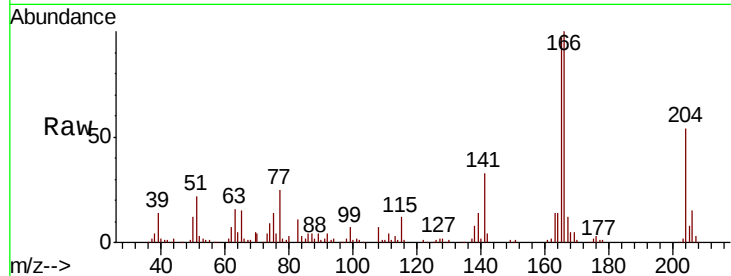
#62  
4-Chlorophenyl-phenylether  
Concen: 4.402 ng/ul  
RT: 15.43 min Scan# 2133  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 28.8  | 25.4  | 38.0  |
| 141     | 62.3  | 48.6  | 73.0  |

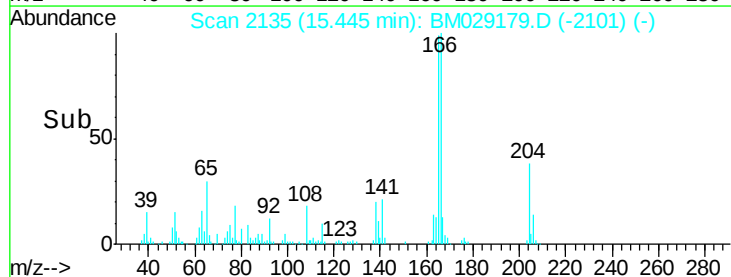
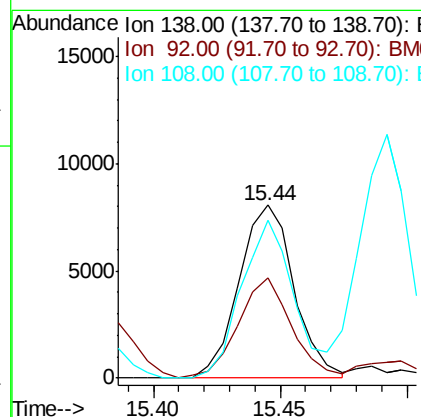
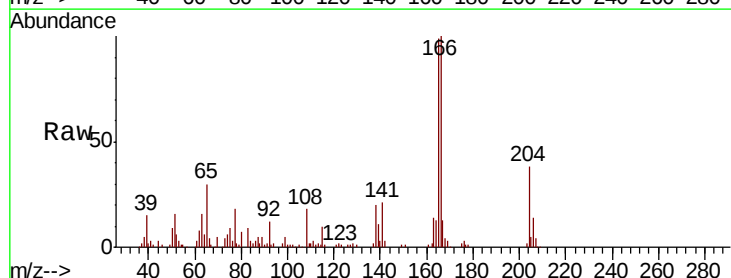
Manual Integrations  
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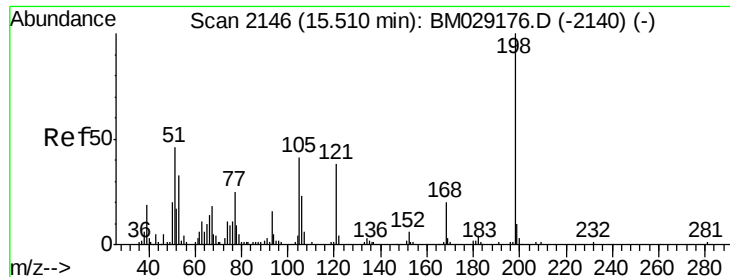
mohammad  
3/23/2021 11:23:18 AM



#63  
4-Nitroaniline  
Concen: 3.873 ng/ul  
RT: 15.44 min Scan# 2135  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 58.1  | 43.4  | 65.0  |
| 108     | 91.3  | 73.1  | 109.7 |





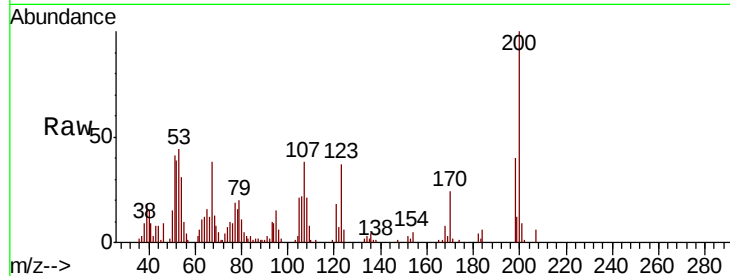
#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.197 ng/ul  
 RT: 15.50 min Scan# 2145  
 Delta R.T. -0.01 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 198     | 100   | 9942 |       |       |
| 182     | 9.0   | 3.7  | 5.5#  |       |
| 77      | 46.4  | 23.0 | 34.4# |       |

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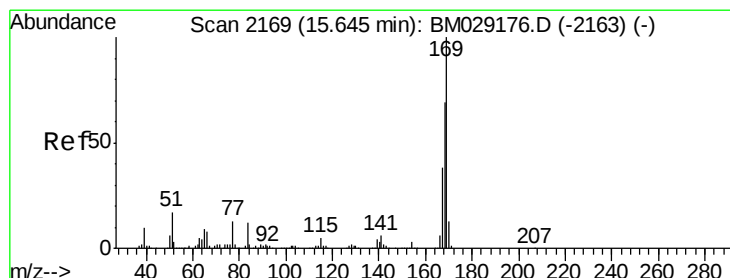
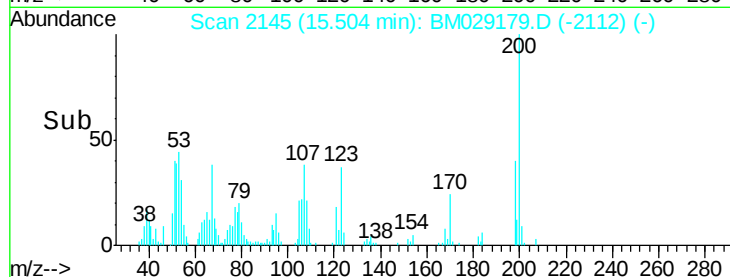
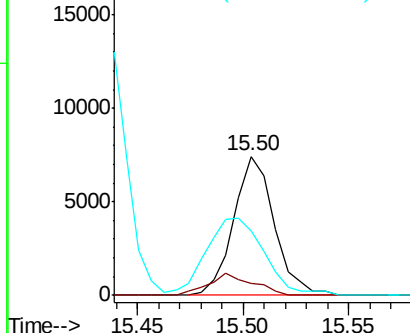


Abundance

Ion 198.00 (197.70 to 198.70): E

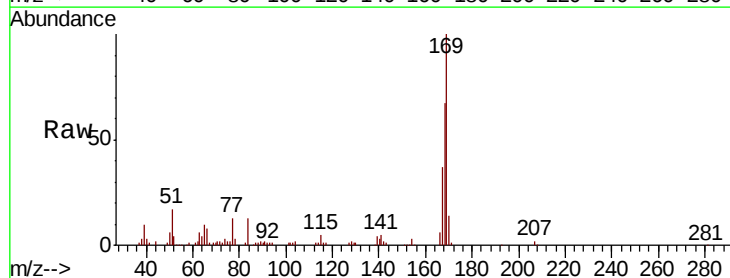
Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E



#67  
 N-Nitrosodiphenylamine  
 Concen: 4.349 ng/ul  
 RT: 15.64 min Scan# 2169  
 Delta R.T. -0.00 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 169     | 100   | 66373 |       |       |
| 168     | 67.3  | 53.9  | 80.9  |       |
| 167     | 36.9  | 28.3  | 42.5  |       |

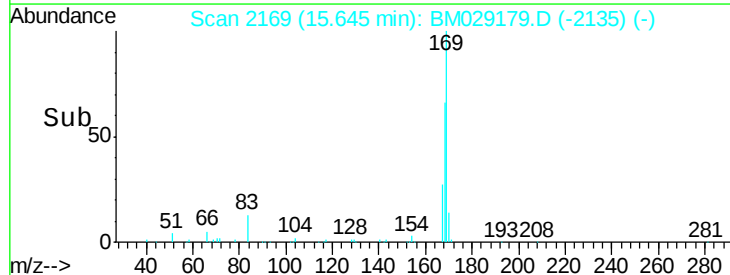
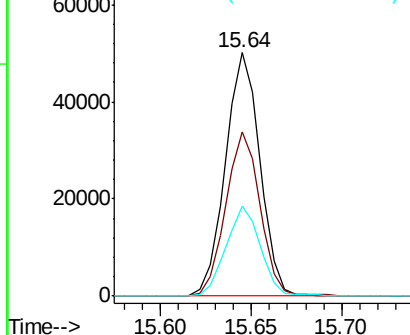


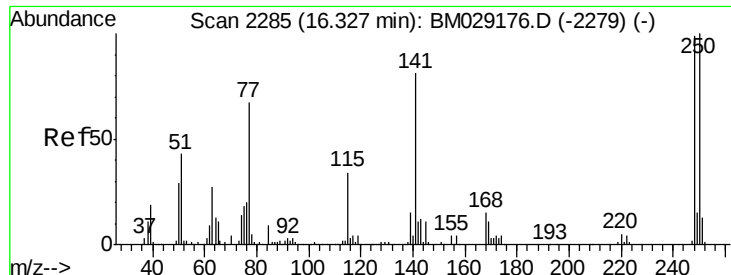
Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





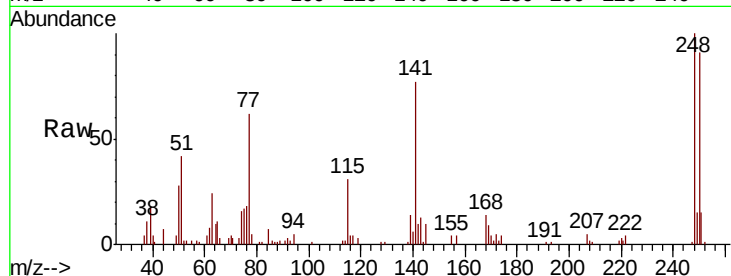
#68  
4-Bromophenyl-phenylether  
Concen: 4.504 ng/ul  
RT: 16.33 min Scan# 2285  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 91.0  | 75.2  | 112.8 |
| 141     | 77.2  | 59.0  | 88.6  |

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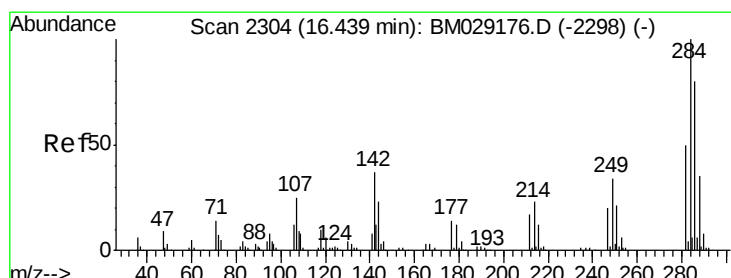
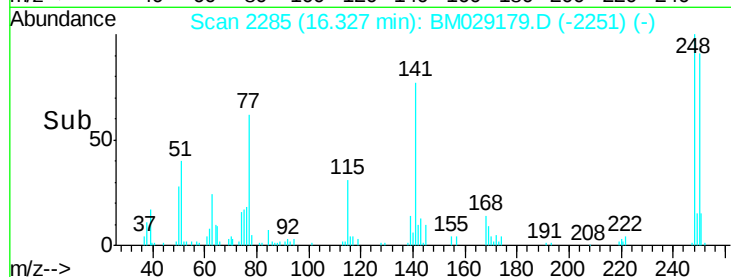
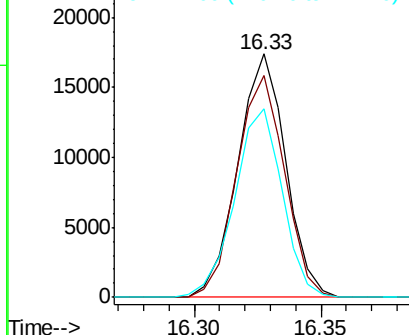


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#69  
Hexachlorobenzene  
Concen: 4.427 ng/ul  
RT: 16.43 min Scan# 2303  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

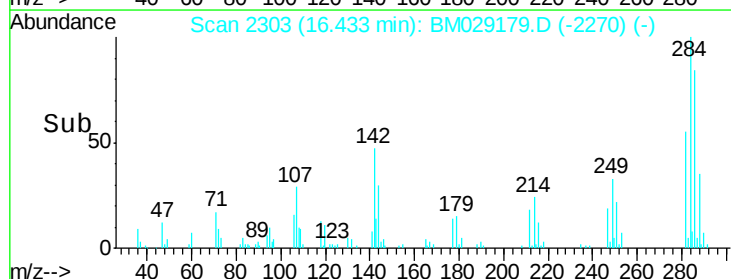
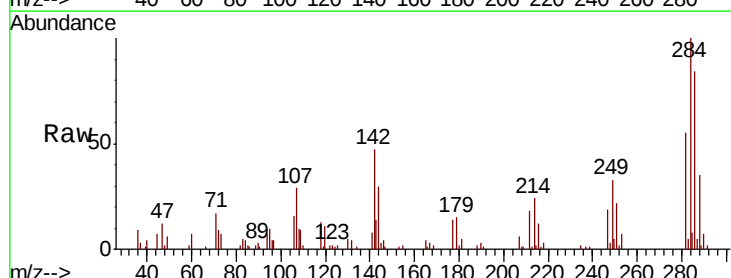
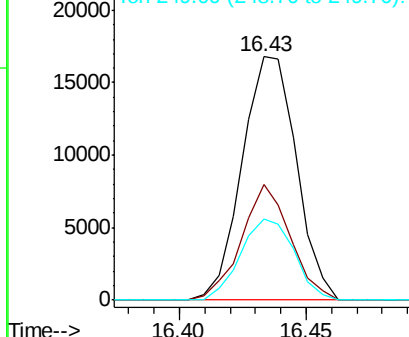
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 47.4  | 30.9  | 46.3# |
| 249     | 33.0  | 27.1  | 40.7  |

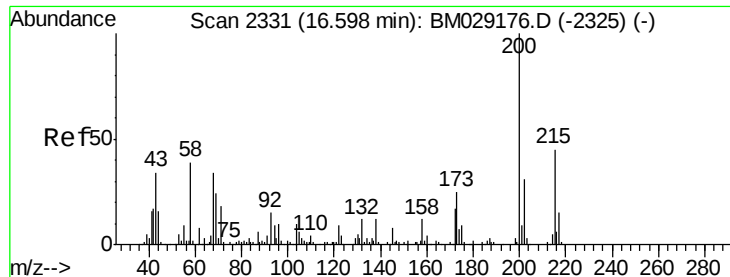
Abundance

Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





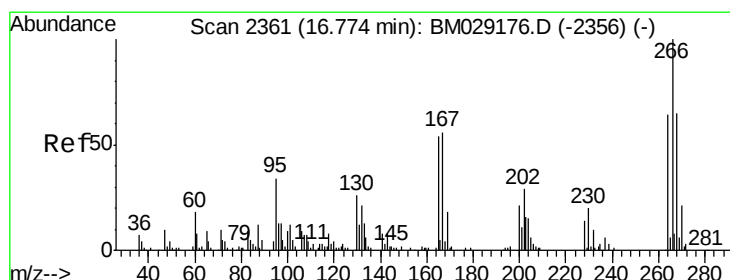
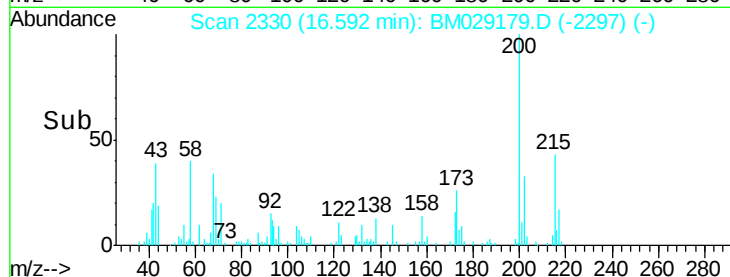
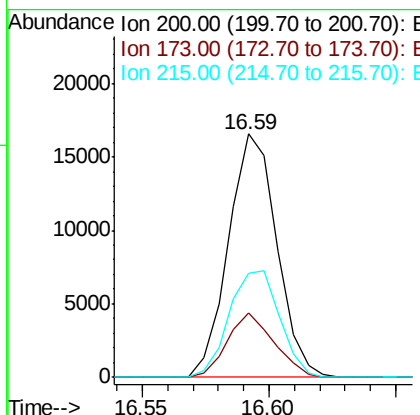
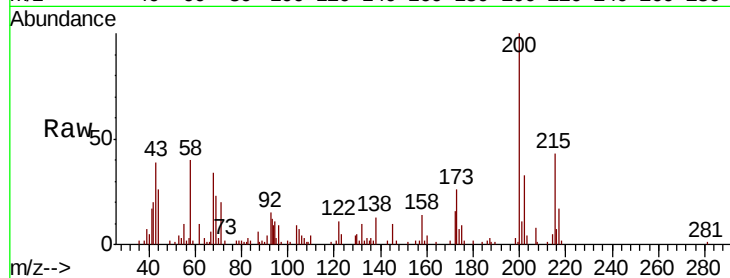
#70  
Atrazine  
Concen: 3.749 ng/ul  
RT: 16.59 min Scan# 2330  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.3  | 19.2  | 28.8  |
| 215     | 42.6  | 37.5  | 56.3  |

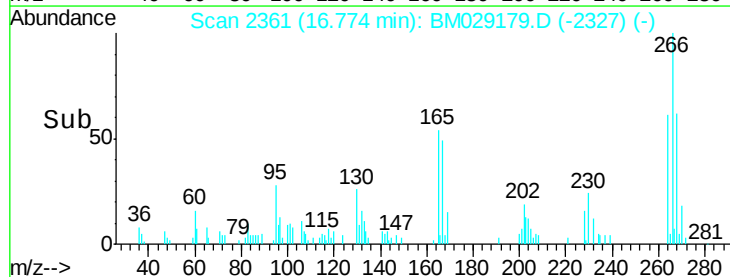
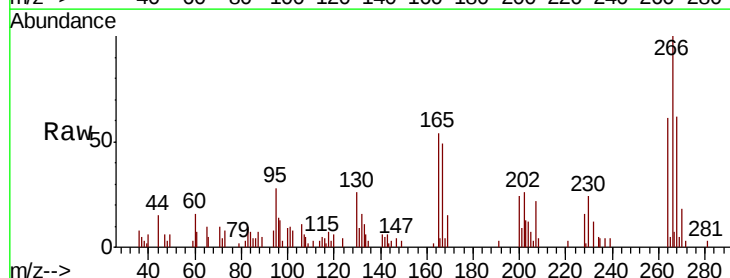
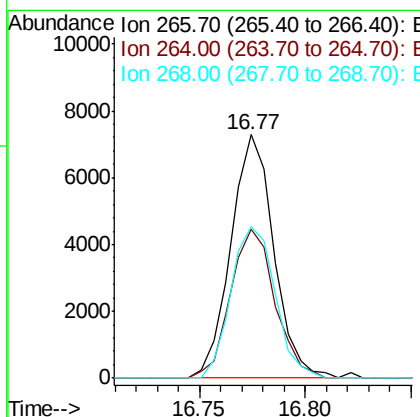
Manual Integrations  
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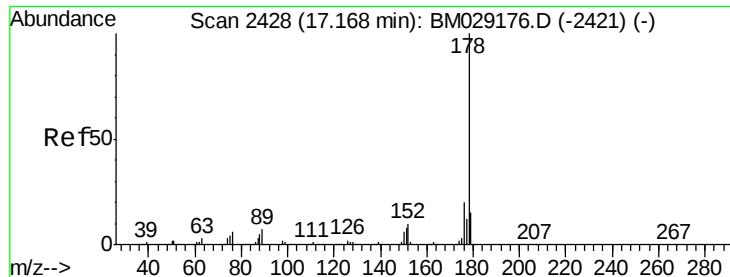
mohammad  
3/23/2021 11:23:18 AM



#71  
Pentachlorophenol  
Concen: 3.195 ng/ul  
RT: 16.77 min Scan# 2361  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 61.2  | 49.2  | 73.8  |
| 268     | 62.4  | 47.7  | 71.5  |





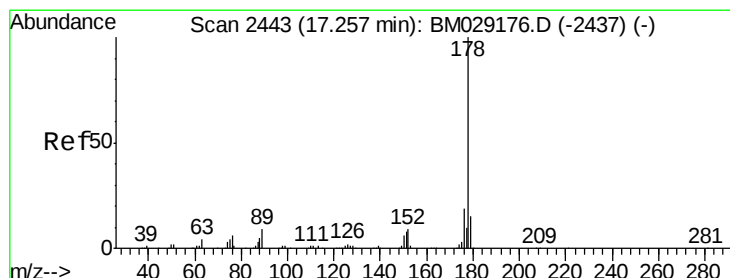
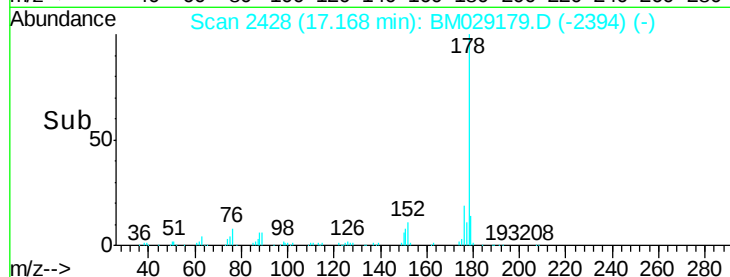
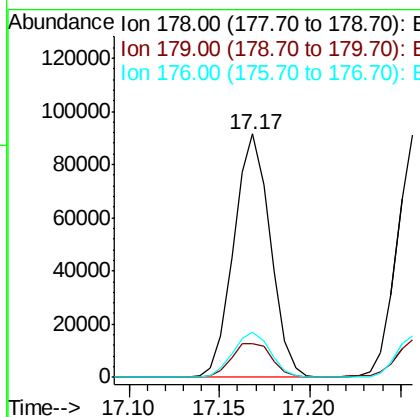
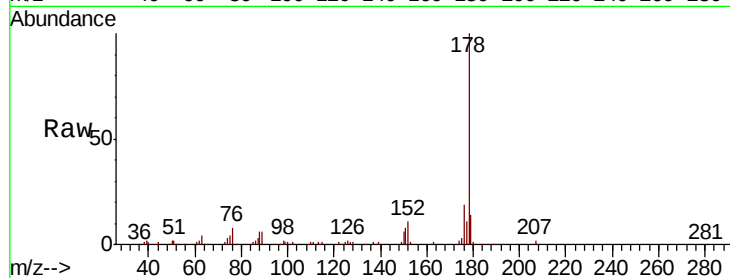
#72  
Phenanthrene  
Concen: 4.546 ng/ul  
RT: 17.17 min Scan# 2428  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.1  | 12.1  | 18.1  |
| 176     | 18.5  | 15.0  | 22.4  |

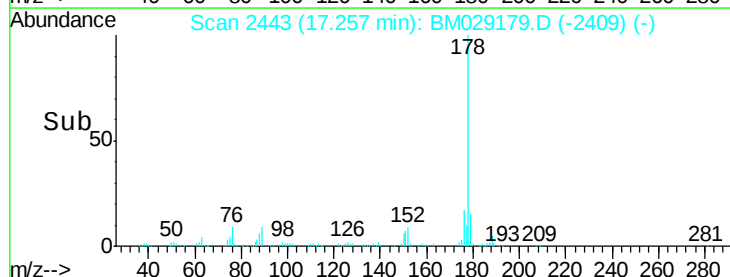
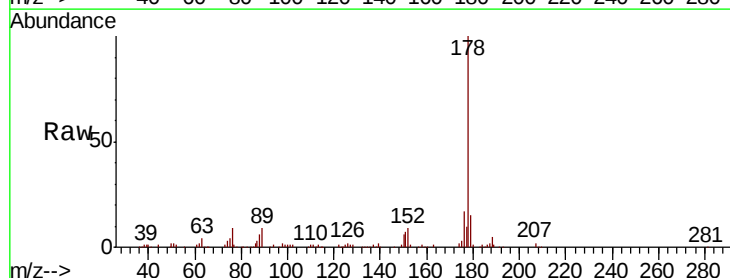
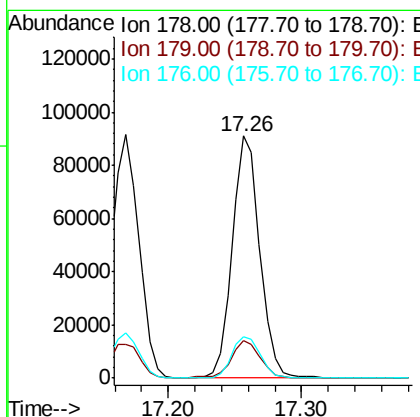
Manual Integrations  
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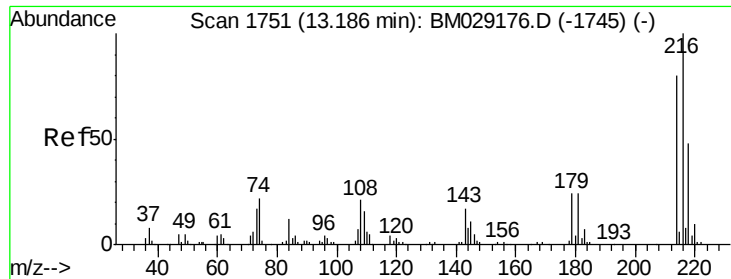
mohammad  
3/23/2021 11:23:18 AM



#74  
Anthracene  
Concen: 4.517 ng/ul  
RT: 17.26 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 12.6  | 18.8  |
| 176     | 16.9  | 14.7  | 22.1  |





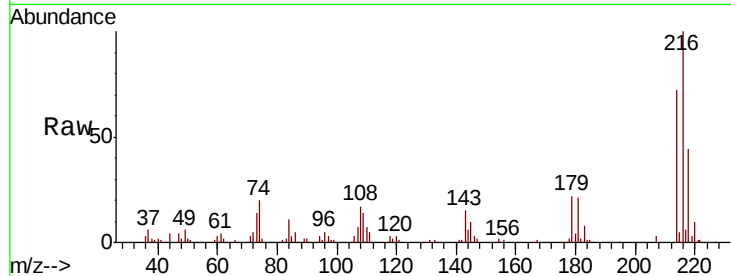
#75  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 4.224 ng/uL  
 RT: 13.19 min Scan# 1752  
 Delta R.T. 0.01 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 216     | 100   | 32590 |       |       |
| 214     | 72.2  |       | 62.8  | 94.2  |
| 218     | 44.2  |       | 38.1  | 57.1  |

Manual Integrations  
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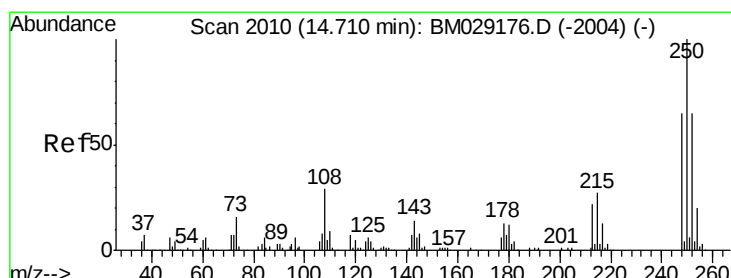
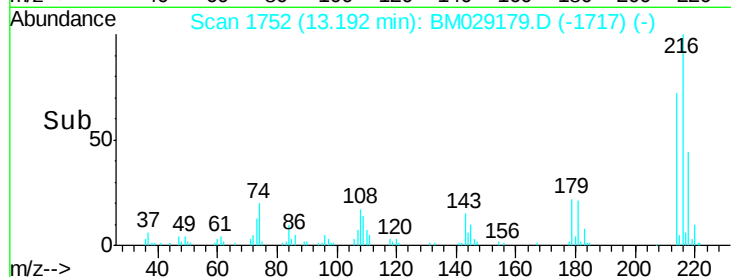
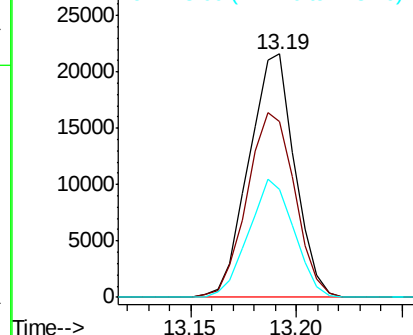


Abundance

Ion 216.00 (215.70 to 216.70): E

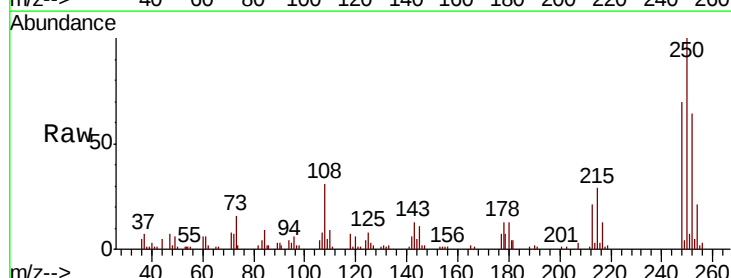
Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#76  
 Pentachlorobenzene  
 Concen: 3.845 ng/uL  
 RT: 14.71 min Scan# 2010  
 Delta R.T. -0.00 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 250     | 100   | 28962 |       |       |
| 248     | 70.2  |       | 52.2  | 78.2  |
| 252     | 64.4  |       | 50.9  | 76.3  |

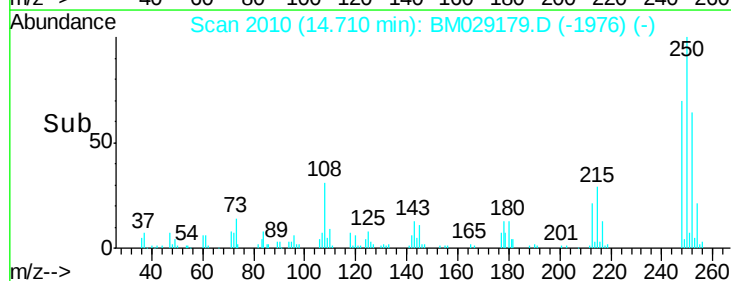
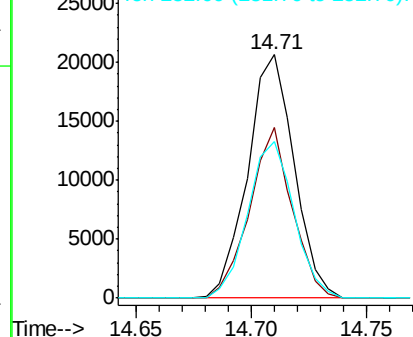


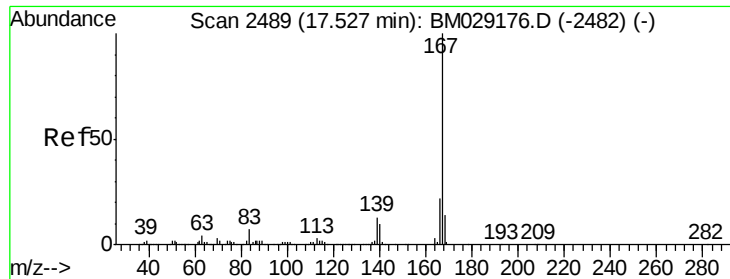
Abundance

Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E





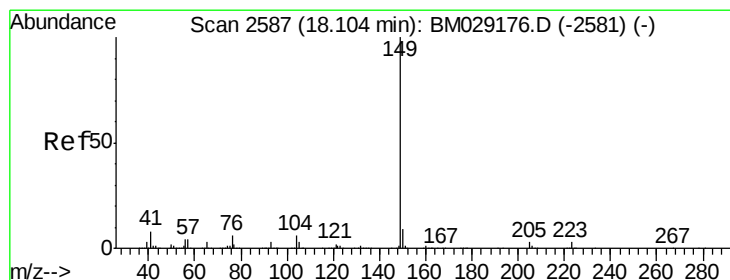
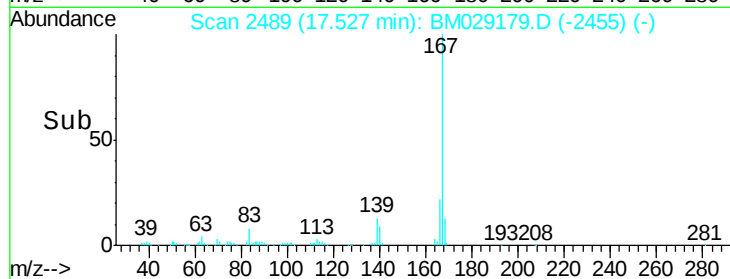
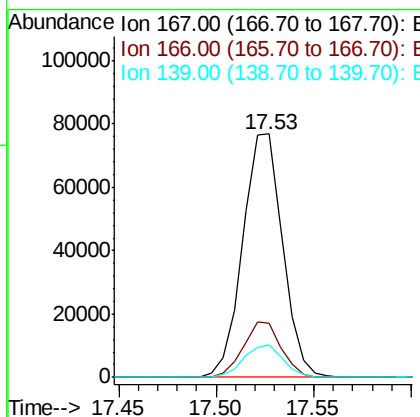
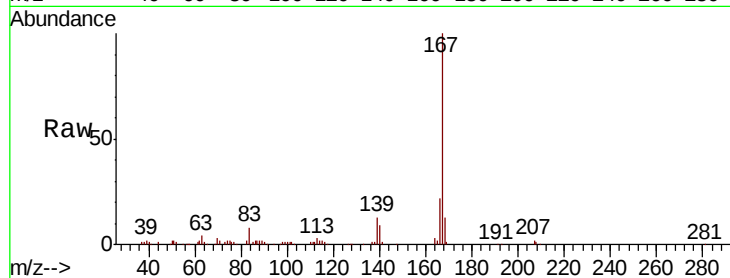
#77  
 Carbazole  
 Concen: 4.088 ng/ul  
 RT: 17.53 min Scan# 2489  
 Delta R.T. -0.00 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.2  | 25.8  |
| 139     | 13.5  | 10.1  | 15.1  |

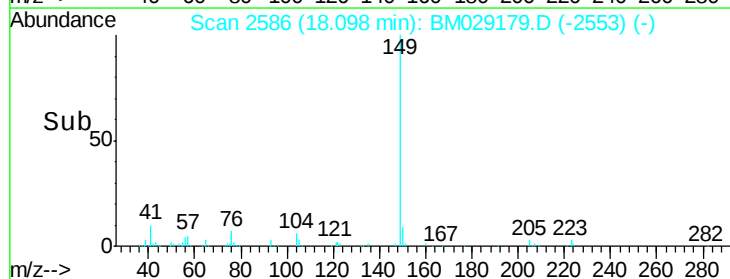
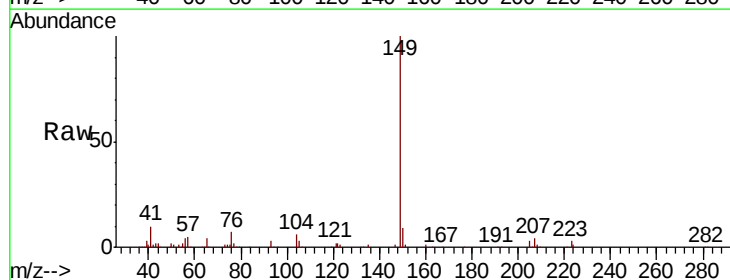
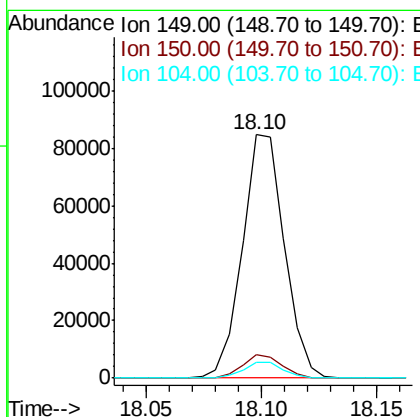
Manual Integrations  
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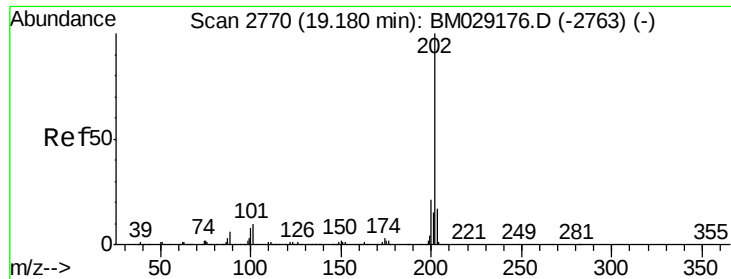
mohammad  
 3/23/2021 11:23:18 AM



#78  
 Di-n-butylphthalate  
 Concen: 3.925 ng/ul  
 RT: 18.10 min Scan# 2586  
 Delta R.T. -0.01 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.5   | 7.1   | 10.7  |
| 104     | 6.4   | 4.6   | 7.0   |





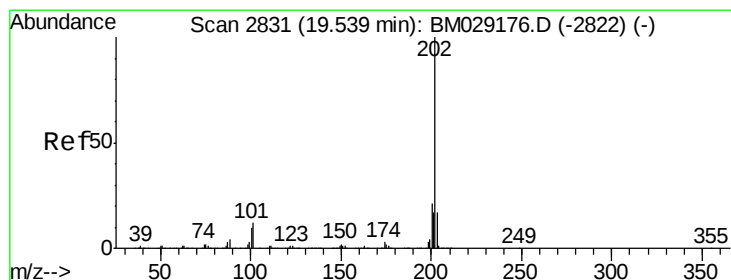
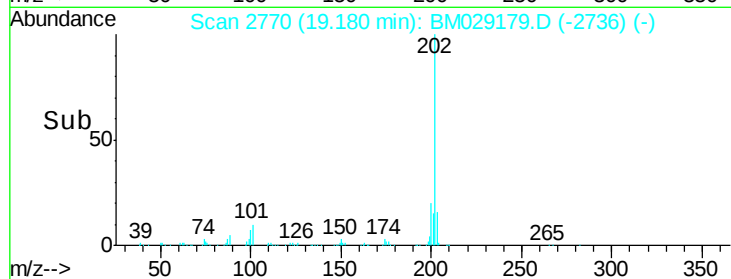
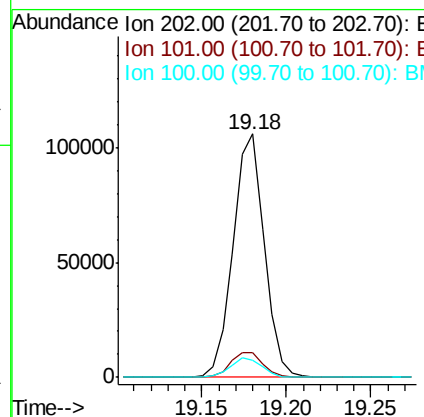
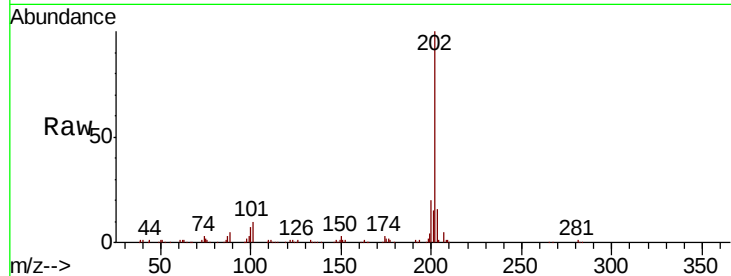
#80  
Fluoranthene  
Concen: 4.411 ng/ul  
RT: 19.18 min Scan# 2770  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 10.1  | 7.5        | 11.3  |
| 100     | 7.2   | 5.8        | 8.8   |

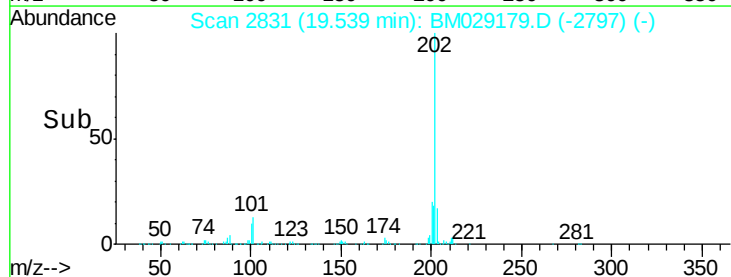
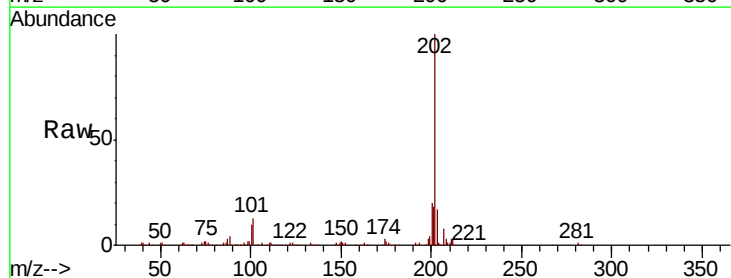
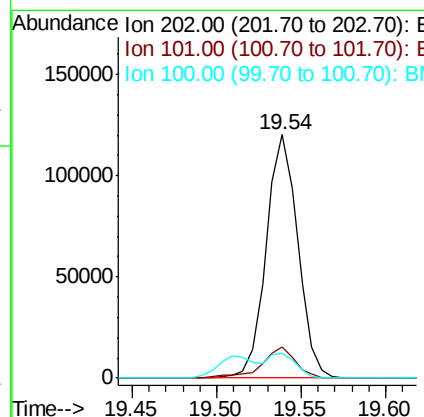
Manual Integrations  
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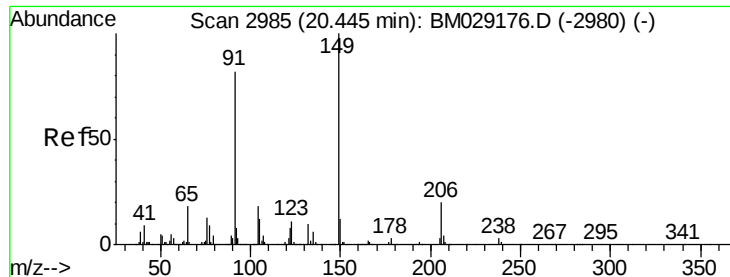
mohammad  
3/23/2021 11:23:18 AM



#82  
Pyrene  
Concen: 4.850 ng/ul  
RT: 19.54 min Scan# 2831  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.7  | 8.9        | 13.3  |
| 100     | 10.0  | 6.8        | 10.2  |





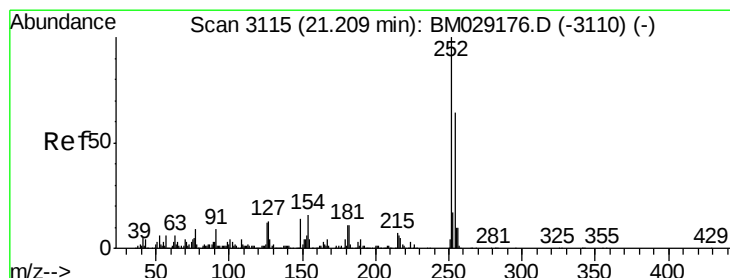
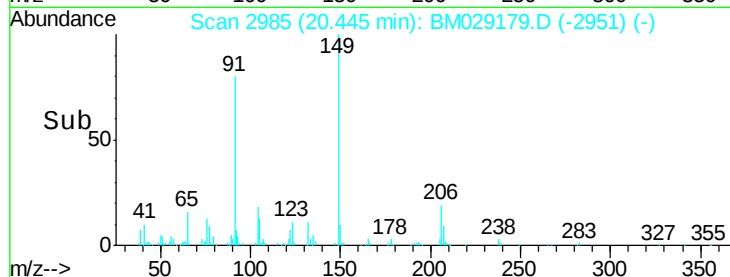
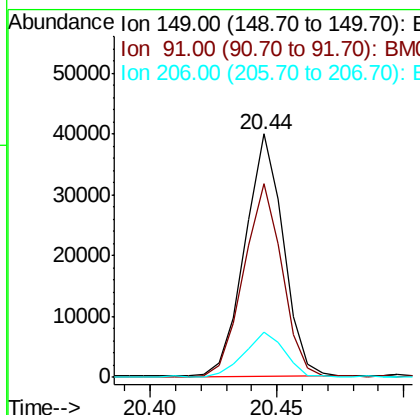
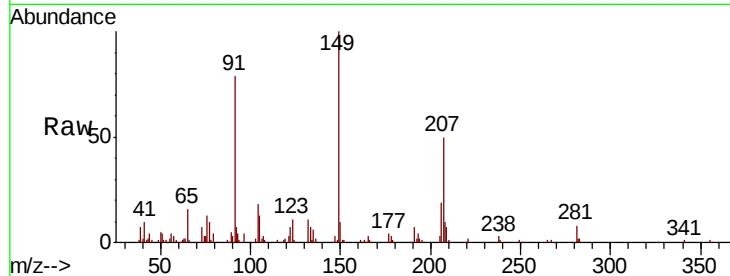
#83  
Butylbenzylphthalate  
Concen: 3.696 ng/ul  
RT: 20.44 min Scan# 2985  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 79.4  | 61.8  | 92.6  |
| 206     | 18.7  | 16.0  | 24.0  |

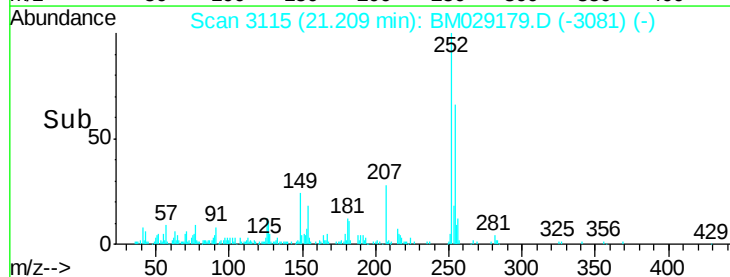
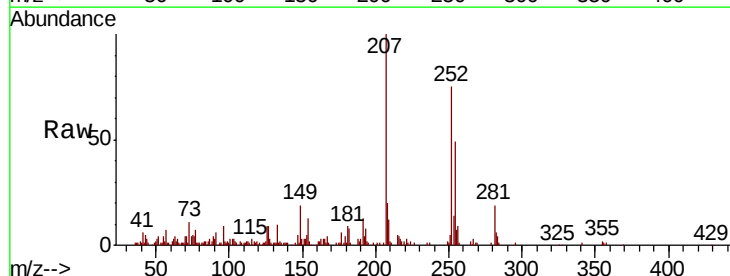
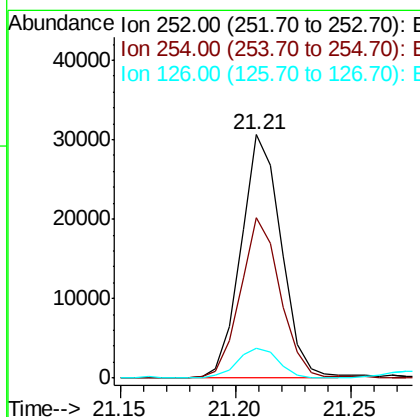
Manual Integrations  
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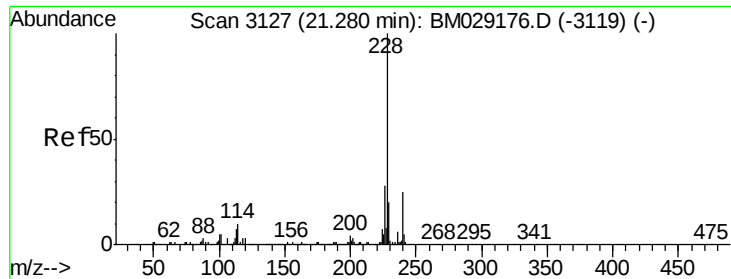
mohammad  
3/23/2021 11:23:18 AM



#84  
3,3'-Dichlorobenzidine  
Concen: 3.502 ng/ul  
RT: 21.21 min Scan# 3115  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.0  | 52.1  | 78.1  |
| 126     | 12.4  | 8.6   | 13.0  |





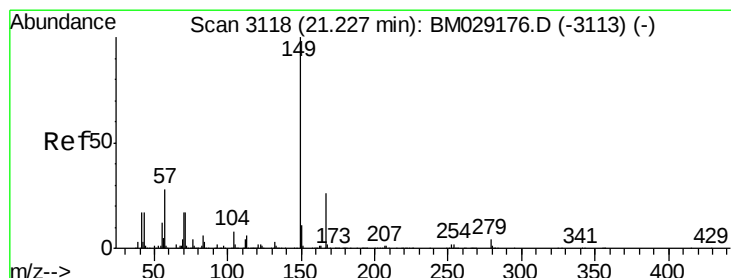
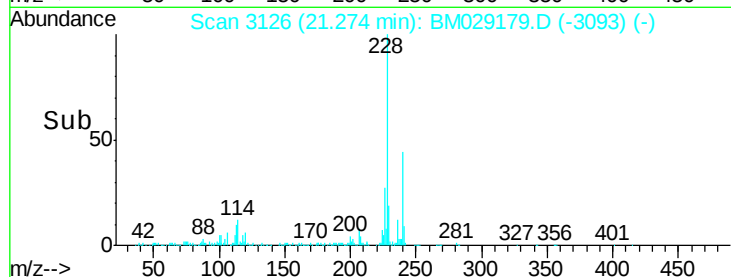
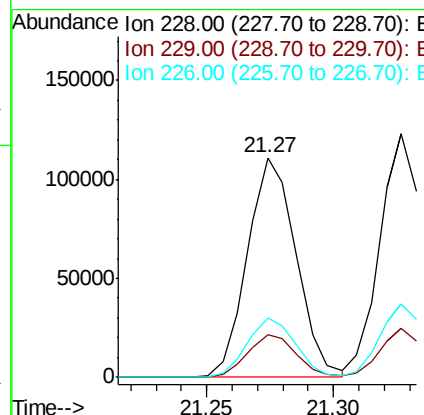
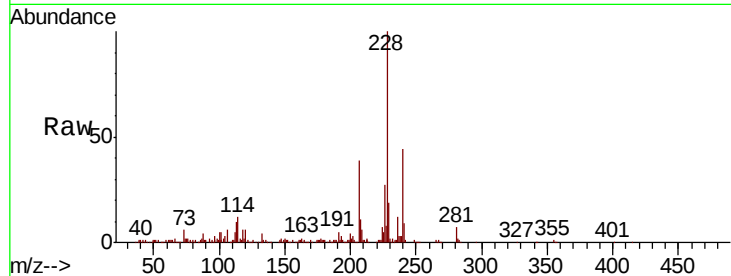
#85  
Benzo(a)anthracene  
Concen: 4.465 ng/ul  
RT: 21.27 min Scan# 3126  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.4  | 16.0  | 24.0  |
| 226     | 27.1  | 21.8  | 32.6  |

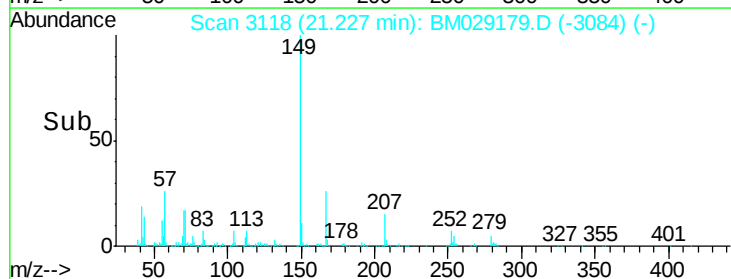
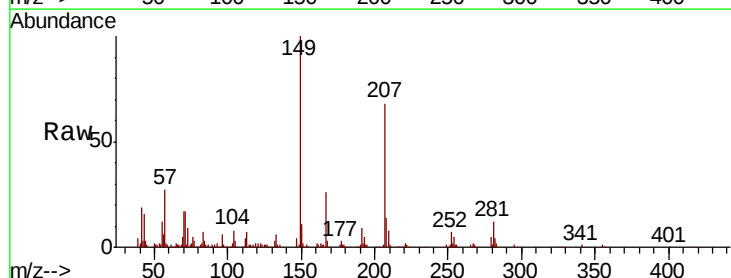
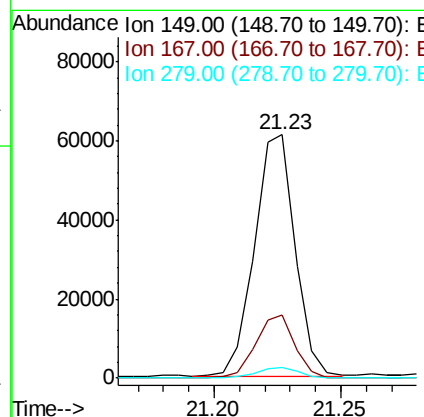
Manual Integrations  
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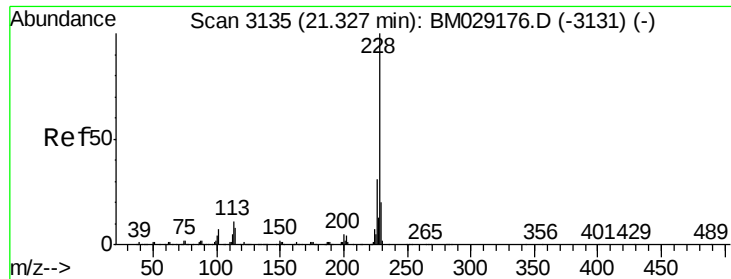
mohammad  
3/23/2021 11:23:18 AM



#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.671 ng/ul  
RT: 21.23 min Scan# 3118  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.7  | 20.7  | 31.1  |
| 279     | 4.5   | 3.4   | 5.0   |





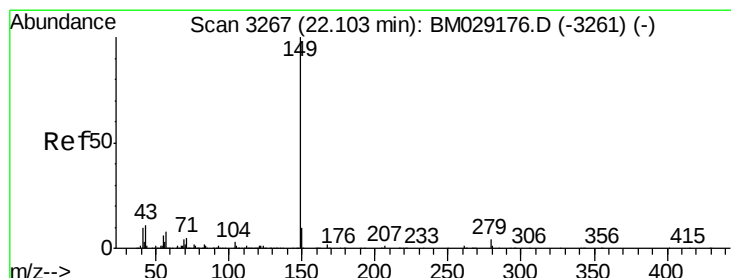
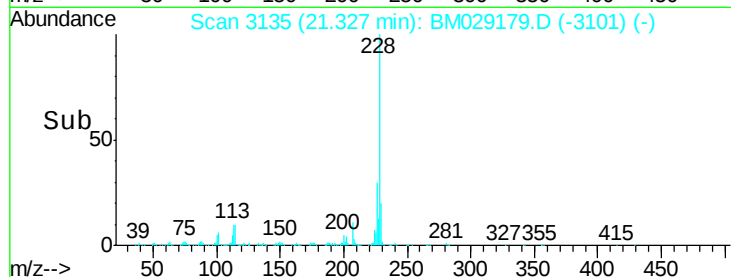
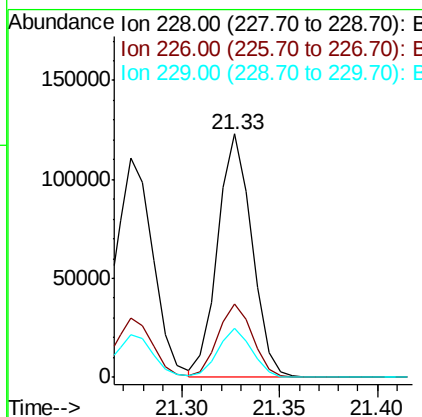
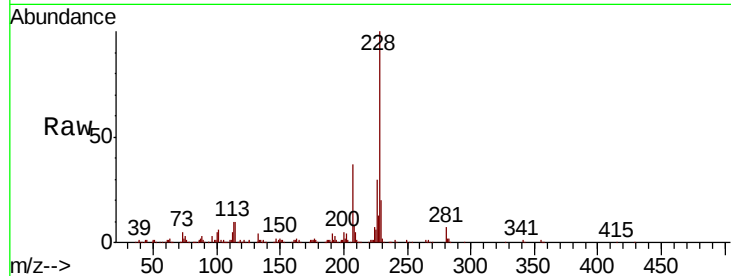
#87  
 Chrysene  
 Concen: 4.591 ng/ul  
 RT: 21.33 min Scan# 3135  
 Delta R.T. -0.00 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 24.1  | 36.1  |
| 229     | 20.1  | 15.7  | 23.5  |

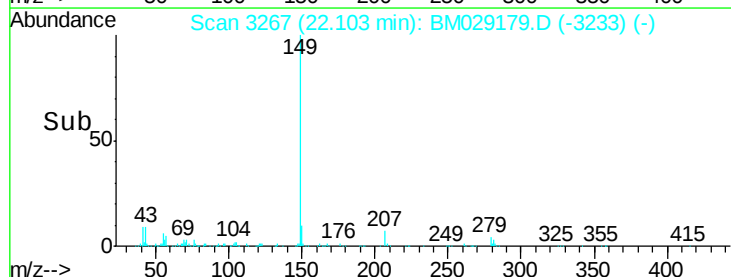
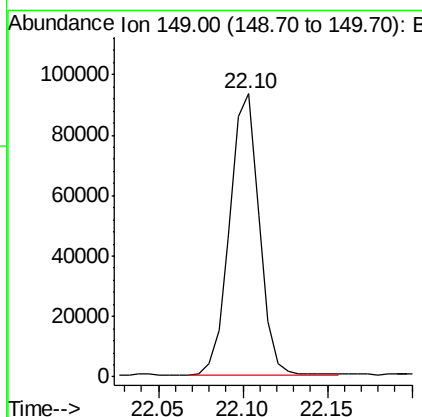
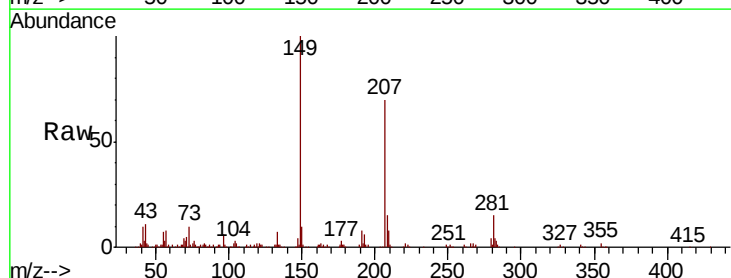
Manual Integrations  
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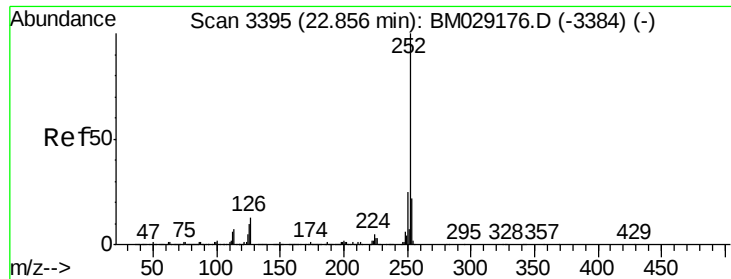
mohammad  
 3/23/2021 11:23:18 AM



#89  
 Di-n-octyl phthalate  
 Concen: 3.201 ng/ul  
 RT: 22.10 min Scan# 3267  
 Delta R.T. -0.00 min  
 Lab File: BM029179.D  
 Acq: 22 Mar 2021 15:25

Tgt Ion:149 Resp: 112776





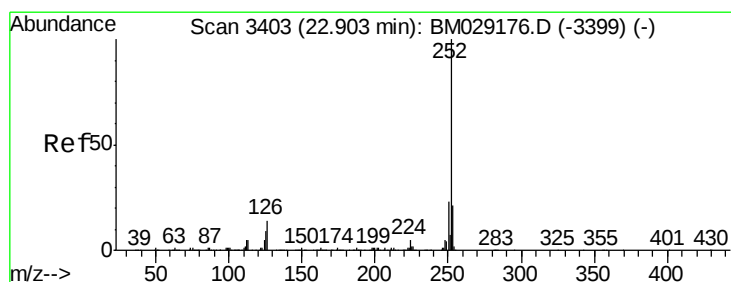
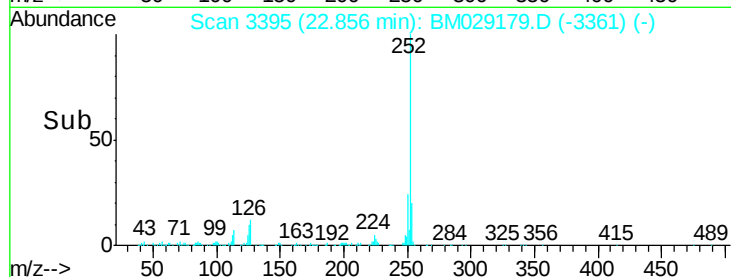
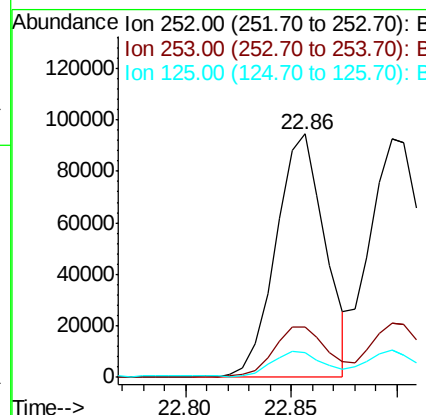
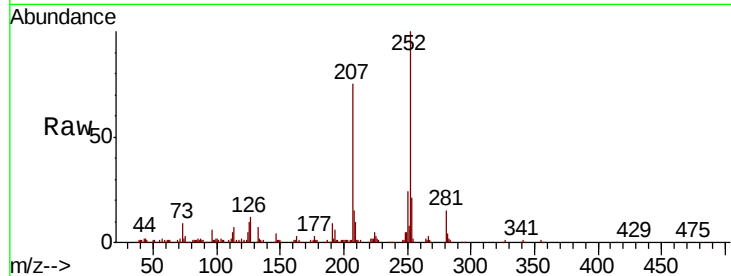
#90  
Benzo(b)fluoranthene  
Concen: 4.294 ng/ul  
RT: 22.86 min Scan# 3395  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.5  | 16.8  | 25.2  |
| 125     | 10.0  | 7.4   | 11.0  |

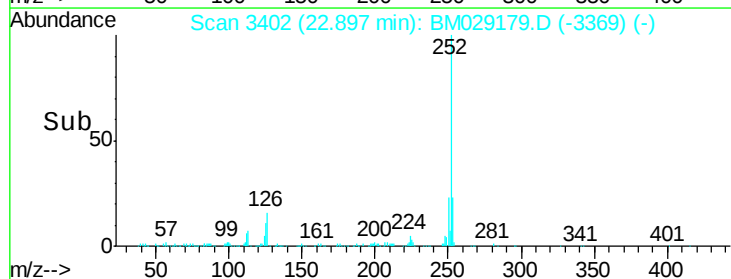
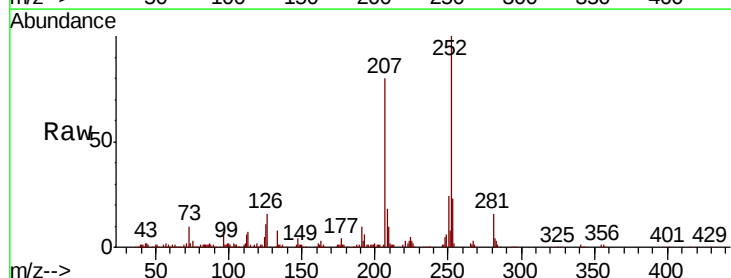
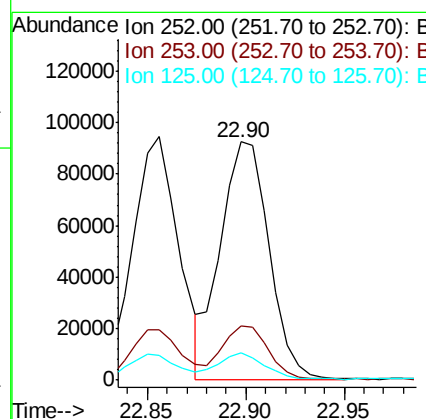
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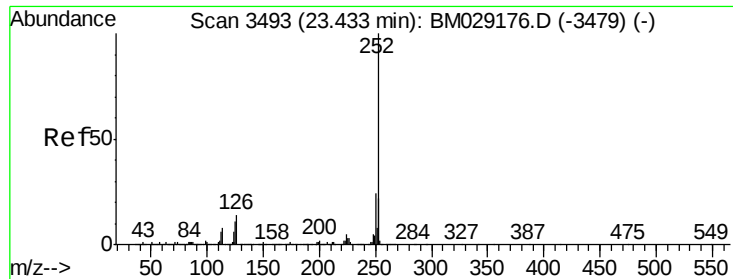
mohammad  
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#91  
Benzo(k)fluoranthene  
Concen: 4.522 ng/ul m  
RT: 22.90 min Scan# 3402  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.6  | 26.4  |
| 125     | 11.3  | 7.5   | 11.3# |





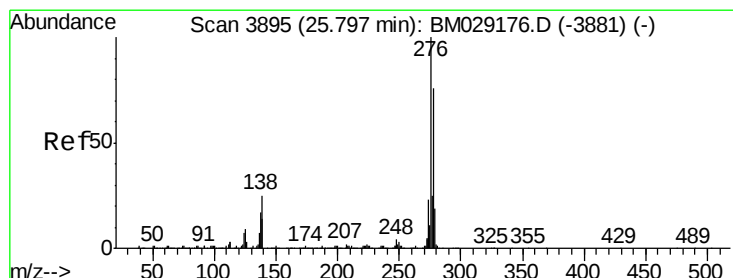
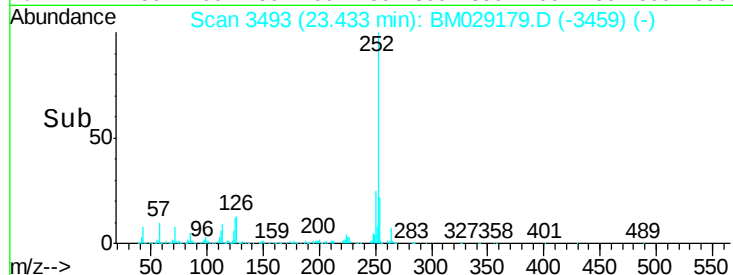
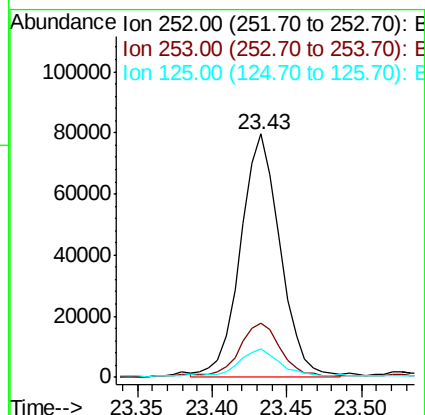
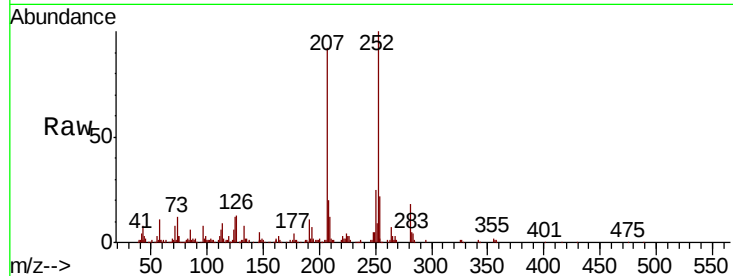
#93  
Benzo(a)pyrene  
Concen: 4.495 ng/ul  
RT: 23.43 min Scan# 3493  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.0  | 25.4  |
| 125     | 12.0  | 7.6   | 11.4  |

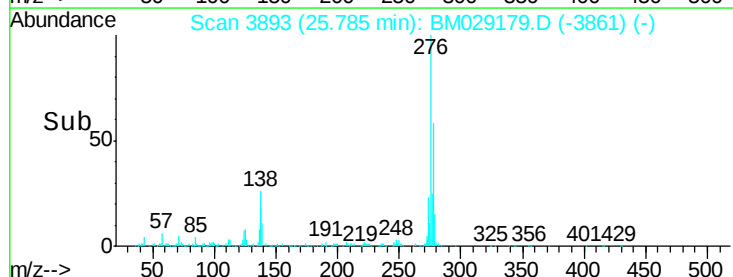
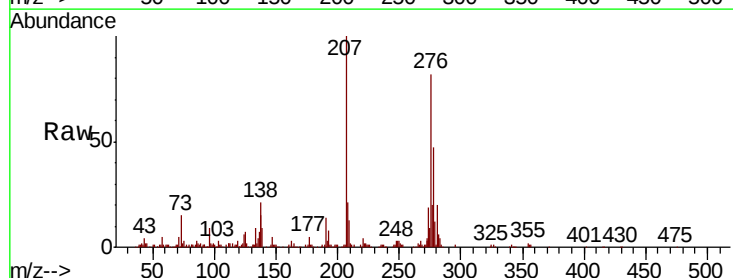
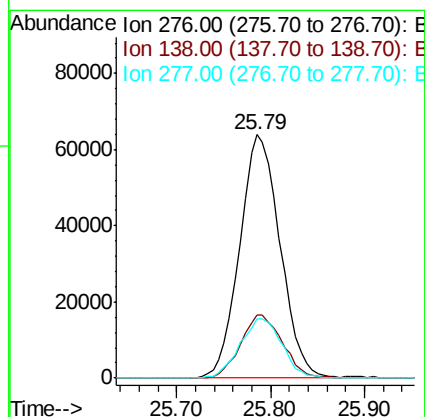
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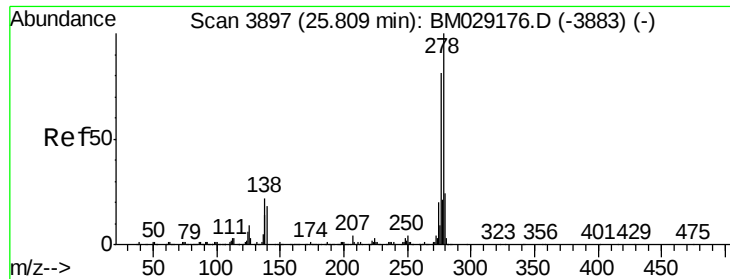
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#94  
Indeno(1,2,3-cd)pyrene  
Concen: 4.383 ng/ul  
RT: 25.79 min Scan# 3893  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 26.1  | 19.2  | 28.8  |
| 277     | 24.6  | 20.3  | 30.5  |





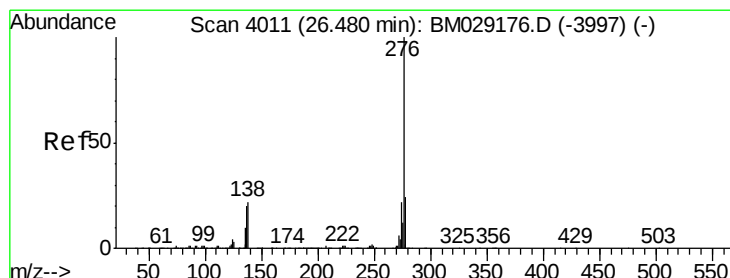
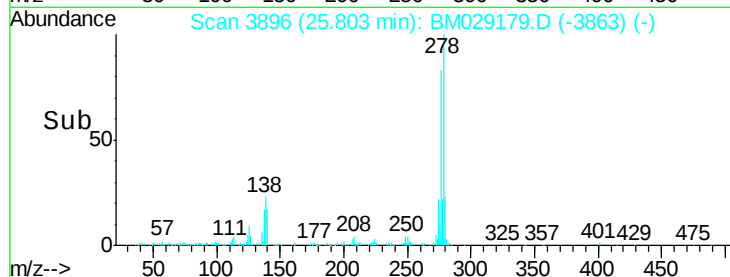
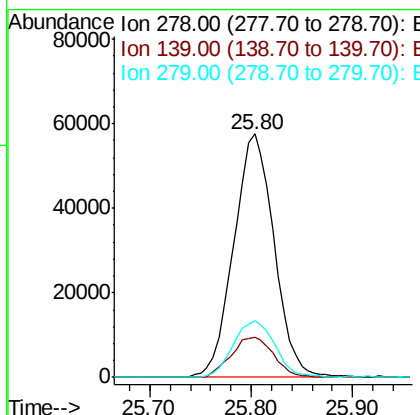
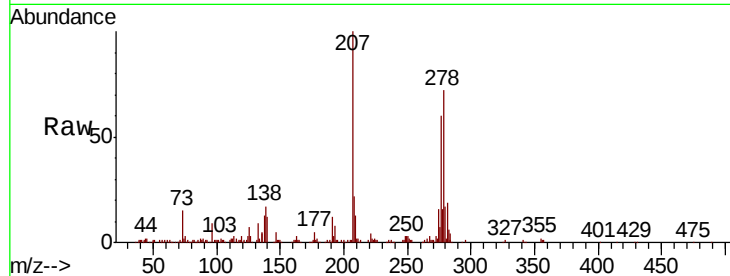
#95  
Dibenzo(a,h)anthracene  
Concen: 4.343 ng/ul  
RT: 25.80 min Scan# 3896  
Delta R.T. -0.01 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-QT2-2021-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.7  | 12.7  | 19.1  |
| 279     | 23.4  | 19.3  | 28.9  |

Manual Integrations  
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#96  
Benzo(g,h,i)perylene  
Concen: 4.349 ng/ul  
RT: 26.48 min Scan# 4011  
Delta R.T. -0.00 min  
Lab File: BM029179.D  
Acq: 22 Mar 2021 15:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.8  | 16.4  | 24.6  |
| 277     | 23.2  | 18.6  | 27.8  |

