

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021720\  
 Data File : BN009732.D  
 Acq On : 17 Feb 2020 11:20  
 Operator : CG/JU  
 Sample : K5695-01  
 Misc : MDL-SOIL-01  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

Manual Integrations  
 APPROVED

mohammad  
 2/20/2020 7:56:18 AM

Quant Time: Feb 17 15:29:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 17 00:47:25 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 102888   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.16 | 136  | 414292   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.05 | 164  | 268212   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.81 | 188  | 592042   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.03 | 240  | 574702   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.14 | 264  | 590990   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.05  | 96  | 11482  | 4.59  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.62  | 99  | 258273 | 29.51 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.77  | 67  | 186589 | 30.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.96  | 132 | 202604 | 30.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.13  | 113 | 203248 | 29.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.56  | 128 | 97024  | 32.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.27  | 143 | 104036 | 31.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 192446 | 30.19 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.32 | 131 | 267281 | 37.32 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 635462 | 31.72 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 765919 | 32.46 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.29 | 143 | 94297  | 25.77 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.06 | 176 | 535169 | 30.94 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 95013  | 25.83 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.91 | 188 | 854449 | 31.48 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.22 | 212 | 923941 | 30.76 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.01 | 264 | 891936 | 30.22 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |       |       | Ovalue    |
|--------------------------------|-------|-----|-------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 3131  | 1.089 | ng/uL 90  |
| 4) Benzaldehyde                | 6.59  | 77  | 21858 | 3.756 | ng/ul 96  |
| 6) Phenol                      | 6.64  | 94  | 29344 | 3.129 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 6.86  | 93  | 24478 | 3.321 | ng/ul 99  |
| 10) 2-Chlorophenol             | 6.99  | 128 | 23098 | 3.328 | ng/ul 99  |
| 11) 2-Methylphenol             | 7.87  | 108 | 19896 | 2.899 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.95  | 45  | 62869 | 3.479 | ng/ul 98  |
| 14) Acetophenone               | 8.23  | 105 | 35230 | 3.106 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.22  | 70  | 18699 | 3.155 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.19  | 108 | 23272 | 3.091 | ng/ul 96  |
| 17) Hexachloroethane           | 8.46  | 117 | 10035 | 3.178 | ng/ul 97  |
| 20) Nitrobenzene               | 8.60  | 77  | 30912 | 3.461 | ng/ul 100 |
| 21) Isophorone                 | 9.13  | 82  | 48632 | 3.094 | ng/ul# 96 |
| 23) 2-Nitrophenol              | 9.30  | 139 | 12436 | 3.352 | ng/ul# 93 |
| 24) 2,4-Dimethylphenol         | 9.38  | 107 | 26376 | 3.274 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.61  | 93  | 31971 | 3.328 | ng/ul# 96 |
| 27) 2,4-Dichlorophenol         | 9.83  | 162 | 21058 | 3.274 | ng/ul# 86 |
| 28) Naphthalene                | 10.21 | 128 | 77947 | 3.489 | ng/ul 97  |
| 30) 4-Chloroaniline            | 10.34 | 127 | 26964 | 3.677 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.50 | 225 | 14704 | 3.419 | ng/ul 97  |
| 32) Caprolactam                | 11.17 | 113 | 5040m | 2.337 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.49 | 107 | 21534 | 2.928 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 11.84 | 142 | 54079 | 3.486 | ng/ul 89  |

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 Sample : K5695-01  
 Misc : MDL-SOIL-01  
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 BNA\_N  
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 MDL-SOIL-01

Manual Integrations  
 APPROVED

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 2/20/2020 7:56:18 AM

Quant Time: Feb 17 15:29:12 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 17 00:47:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.06 | 142  | 57155    | 3.676 | ng/uL  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.23 | 216  | 27300    | 3.434 | ng/uL  | 97       |
| 38) Hexachlorocyclopentadiene  | 12.19 | 237  | 3982     | 1.158 | ng/uL  | 90       |
| 39) 2,4,6-Trichlorophenol      | 12.48 | 196  | 13658    | 2.707 | ng/uL# | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.57 | 196  | 15099    | 2.789 | ng/uL  | 94       |
| 41) 1,1'-Biphenyl              | 12.88 | 154  | 70062    | 3.401 | ng/uL  | 96       |
| 42) 2-Chloronaphthalene        | 12.92 | 162  | 53733    | 3.284 | ng/uL  | 98       |
| 43) 2-Nitroaniline             | 13.15 | 65   | 15192    | 2.539 | ng/uL  | 98       |
| 45) Dimethylphthalate          | 13.53 | 163  | 72433    | 3.465 | ng/uL# | 97       |
| 46) 2,6-Dinitrotoluene         | 13.66 | 165  | 11434    | 2.794 | ng/uL  | 93       |
| 48) Acenaphthylene             | 13.77 | 152  | 86919    | 3.404 | ng/uL  | 95       |
| 49) 3-Nitroaniline             | 14.00 | 138  | 9870     | 2.612 | ng/uL  | 99       |
| 50) Acenaphthene               | 14.12 | 153  | 59983    | 3.426 | ng/uL  | 94       |
| 51) 2,4-Dinitrophenol          | 14.23 | 184  | 2921m    | 1.243 | ng/uL  |          |
| 53) 4-Nitrophenol              | 14.30 | 109  | 10568    | 3.201 | ng/uL  | 80       |
| 54) Dibenzofuran               | 14.46 | 168  | 84651    | 3.445 | ng/uL  | 95       |
| 55) 2,4-Dinitrotoluene         | 14.46 | 165  | 17716    | 2.921 | ng/uL# | 91       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.70 | 232  | 13169    | 2.830 | ng/uL# | 95       |
| 57) Diethylphthalate           | 14.91 | 149  | 71129    | 3.314 | ng/uL  | 96       |
| 59) Fluorene                   | 15.12 | 166  | 70824    | 3.434 | ng/uL  | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.12 | 204  | 35658    | 3.506 | ng/uL  | 96       |
| 61) 4-Nitroaniline             | 15.17 | 138  | 9485     | 2.059 | ng/uL  | 96       |
| 64) 4,6-Dinitro-2-methylphenol | 15.23 | 198  | 11408    | 2.879 | ng/uL# | 82       |
| 65) N-Nitrosodiphenylamine     | 15.33 | 169  | 58141    | 3.310 | ng/uL  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.02 | 248  | 19309    | 3.259 | ng/uL  | 96       |
| 67) Hexachlorobenzene          | 16.12 | 284  | 21705    | 3.311 | ng/uL  | 96       |
| 68) Atrazine                   | 16.30 | 200  | 19014    | 2.853 | ng/uL  | 92       |
| 69) Pentachlorophenol          | 16.49 | 266  | 7051m    | 1.861 | ng/uL  |          |
| 70) Phenanthrene               | 16.85 | 178  | 113969   | 3.373 | ng/uL  | 99       |
| 72) Anthracene                 | 16.95 | 178  | 114820   | 3.324 | ng/uL  | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.84 | 216  | 30643    | 3.543 | ng/uL  | 93       |
| 74) Pentachlorobenzene         | 14.39 | 250  | 27587    | 3.307 | ng/uL  | 96       |
| 75) Carbazole                  | 17.23 | 167  | 85182    | 2.800 | ng/uL  | 98       |
| 76) Di-n-butylphthalate        | 17.80 | 149  | 103479   | 2.756 | ng/uL  | 99       |
| 77) Fluoranthene               | 18.89 | 202  | 123562   | 3.122 | ng/uL  | 97       |
| 80) Pvrene                     | 19.25 | 202  | 140194   | 3.384 | ng/uL  | 99       |
| 81) Butylbenzylphthalate       | 20.18 | 149  | 40672    | 2.388 | ng/uL  | 92       |
| 82) 3,3'-Dichlorobenzidine     | 20.96 | 252  | 34875    | 2.783 | ng/uL  | 98       |
| 83) Benzo(a)anthracene         | 21.02 | 228  | 127481   | 3.228 | ng/uL  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 20.97 | 149  | 67135    | 2.582 | ng/uL# | 98       |
| 85) Chrysene                   | 21.06 | 228  | 127180   | 3.271 | ng/uL  | 97       |
| 87) Di-n-octyl phthalate       | 21.82 | 149  | 105097   | 2.350 | ng/uL  | 100      |
| 88) Benzo(b)fluoranthene       | 22.52 | 252  | 118377   | 3.089 | ng/uL  | 99       |
| 89) Benzo(k)fluoranthene       | 22.56 | 252  | 123871   | 3.414 | ng/uL  | 99       |
| 91) Benzo(a)pyrene             | 23.05 | 252  | 120971   | 3.510 | ng/uL  | 96       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.20 | 276  | 131248   | 3.208 | ng/uL  | 95       |
| 93) Dibenzo(a,h)anthracene     | 25.20 | 278  | 107030   | 3.058 | ng/uL  | 97       |
| 94) Benzo(a,h,i)perylene       | 25.83 | 276  | 108104   | 3.151 | ng/uL  | 98       |

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Sample : K5695-01  
Misc : MDL-SOIL-01  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

Manual Integrations  
APPROVED

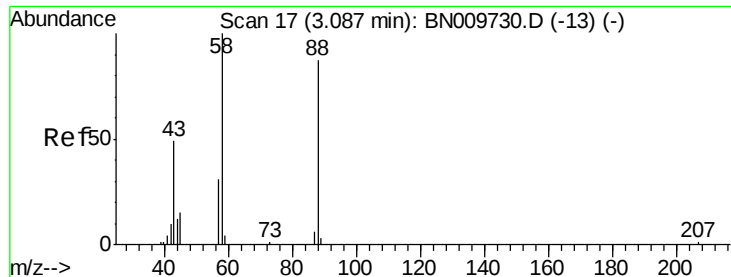
mohammad  
2/20/2020 7:56:18 AM

Quant Time: Feb 17 15:29:12 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 17 00:47:25 2020  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#2

1,4-Dioxane

Concen: 1.089 ng/uL

RT: 3.09 min Scan# 18

Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

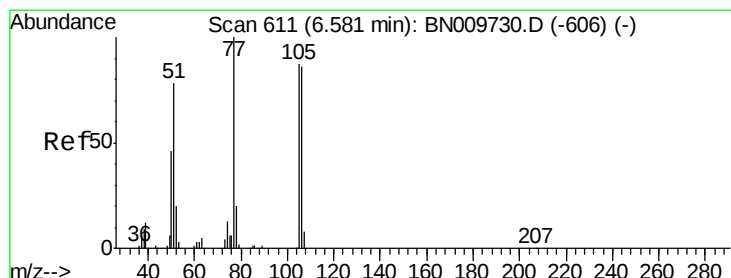
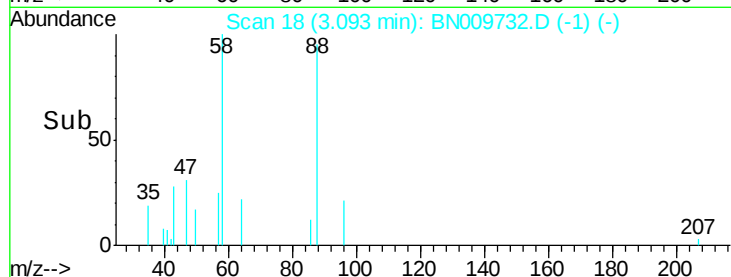
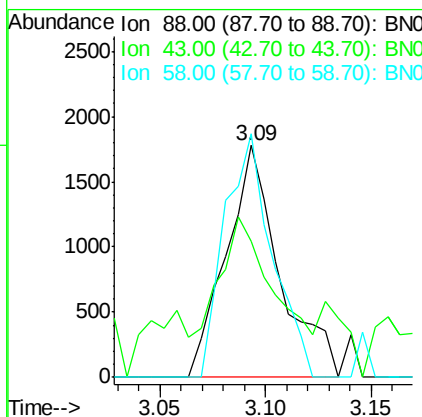
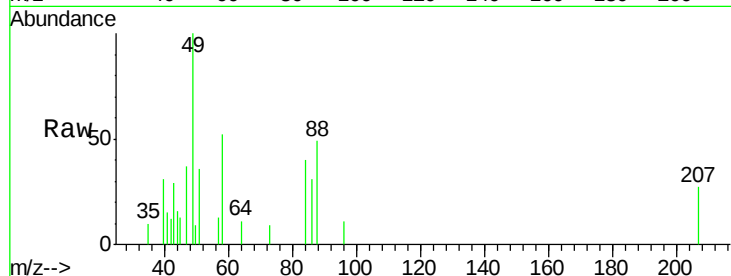
ClientSampleId :

MDL-SOIL-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 3131  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 58.5  | 44.7  | 67.1  |
| 58       | 105.1 | 96.2  | 144.2 |

Manual Integrations  
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#4

Benzaldehyde

Concen: 3.756 ng/uL

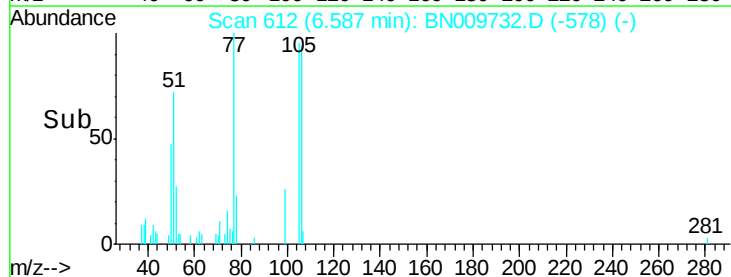
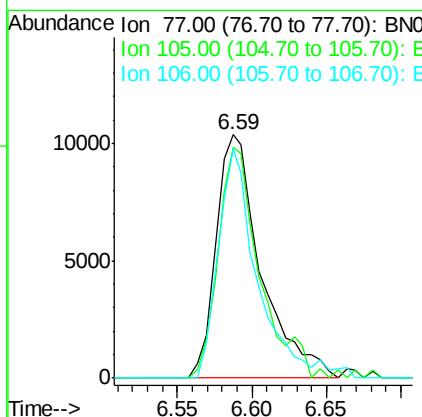
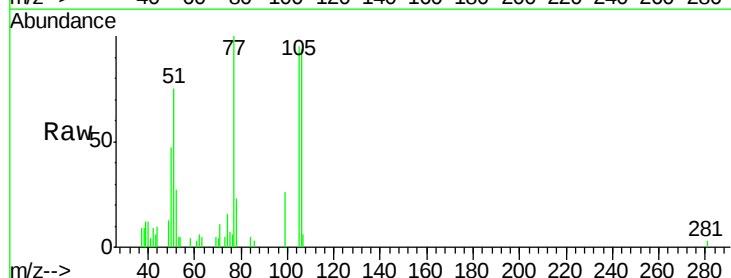
RT: 6.59 min Scan# 612

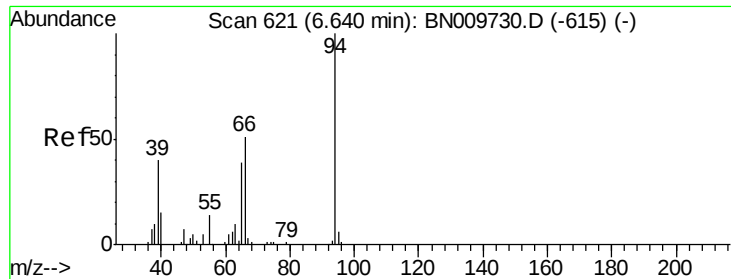
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 21858 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 94.8  | 78.2  | 117.2 |
| 106      | 94.2  | 70.9  | 106.3 |





#6

Phenol

Concen: 3.129 ng/ul

RT: 6.64 min Scan# 621

Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

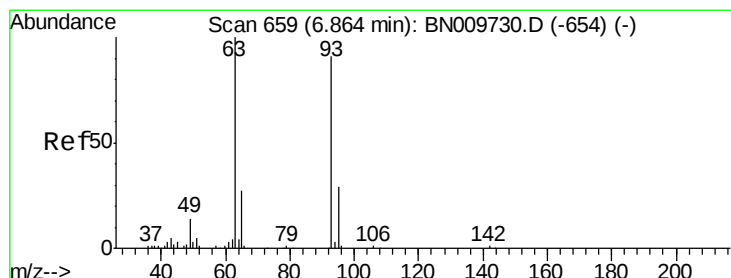
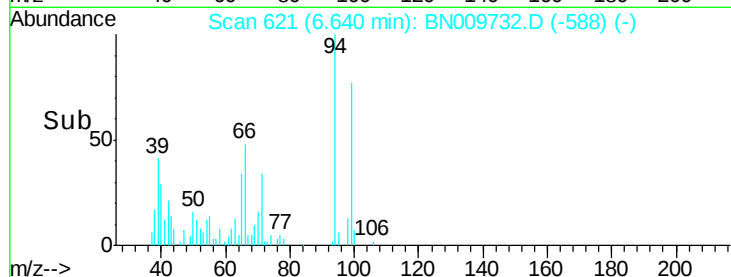
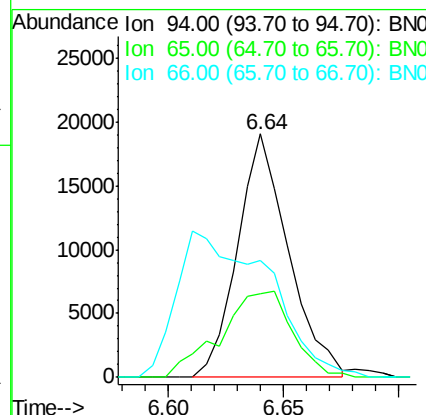
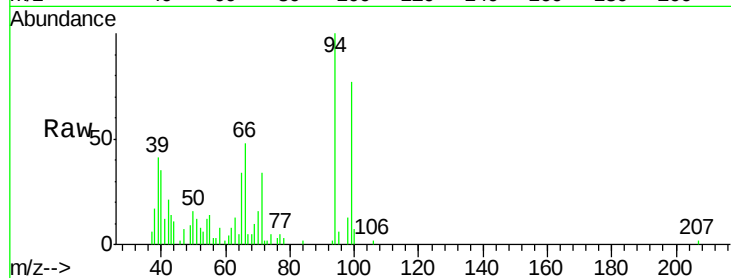
ClientSampled :

MDL-SOIL-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 29344 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 34.3  | 27.6  | 41.4  |
| 66       | 48.0  | 38.5  | 57.7  |

Manual Integrations  
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#8

Bis(2-Chloroethyl)ether

Concen: 3.321 ng/ul

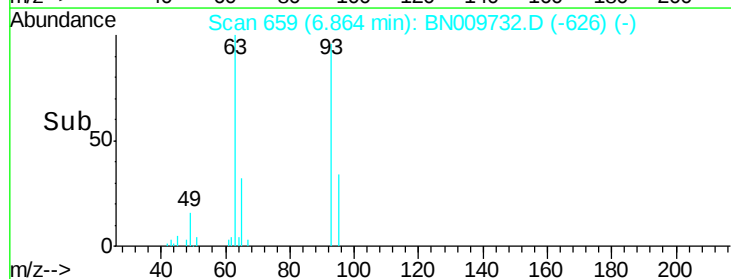
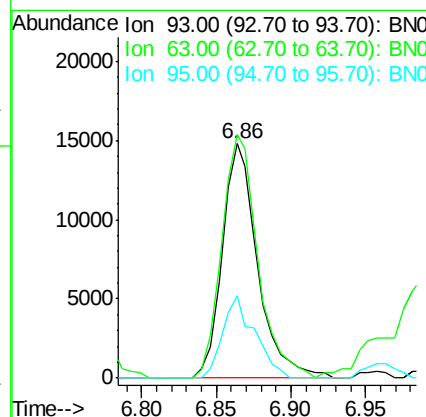
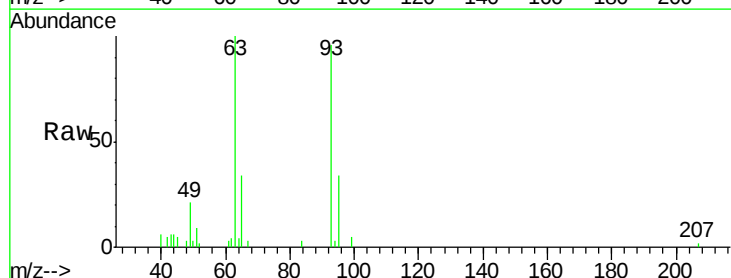
RT: 6.86 min Scan# 659

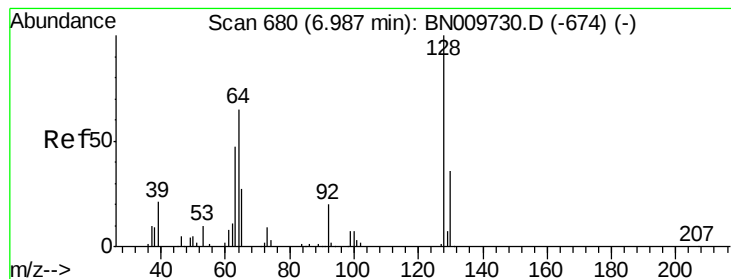
Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 24478 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 103.9 | 82.7  | 124.1 |
| 95       | 35.3  | 26.6  | 40.0  |





#10

2-Chlorophenol

Concen: 3.328 ng/ul

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

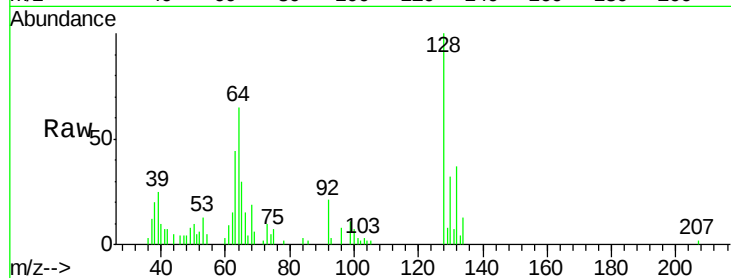
ClientSampleId :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 23098 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 64        | 65.4  | 52.5  | 78.7  |
| 130       | 31.9  | 24.4  | 36.6  |

Manual Integrations  
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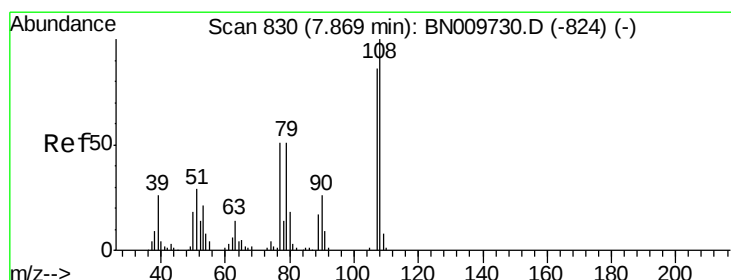
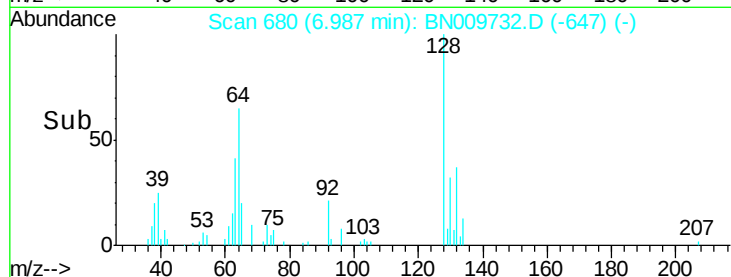
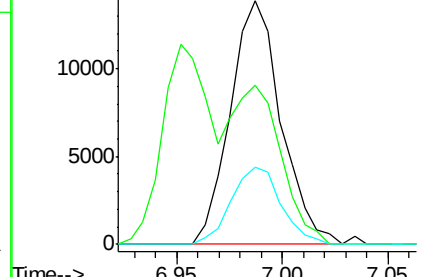
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 2.899 ng/ul

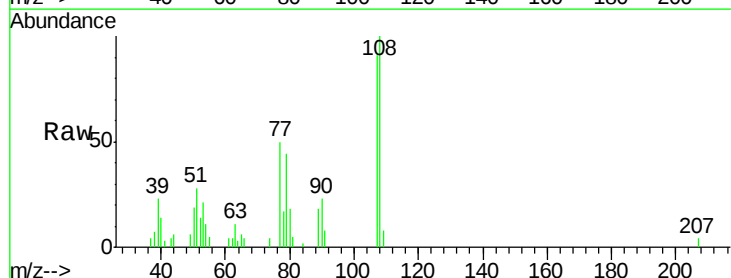
RT: 7.87 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN009732.D

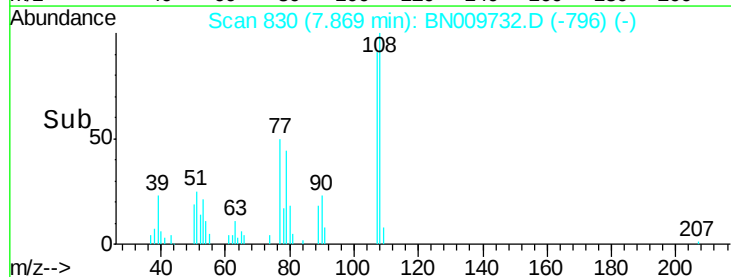
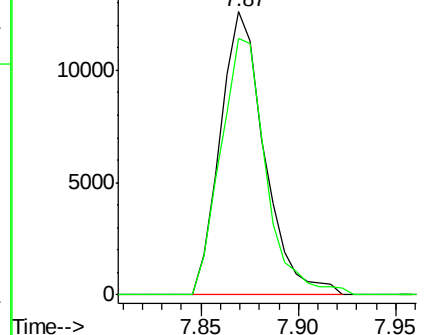
Acq: 17 Feb 2020 11:20

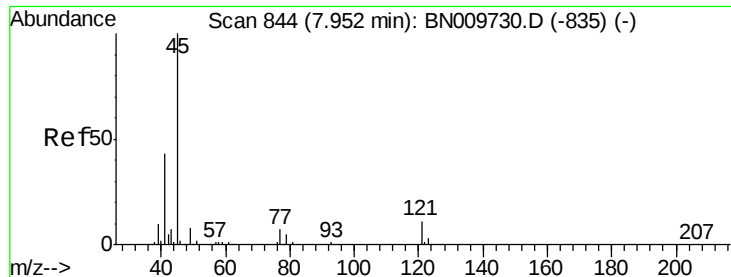
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 108   | Resp: | 19896 |
| Ion Ratio | Lower | Upper |       |
| 108       | 100   |       |       |
| 107       | 90.8  | 72.3  | 108.5 |



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#12

2,2'-oxvbis(1-Chloropropane)

Concen: 3.479 ng/ul

RT: 7.95 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

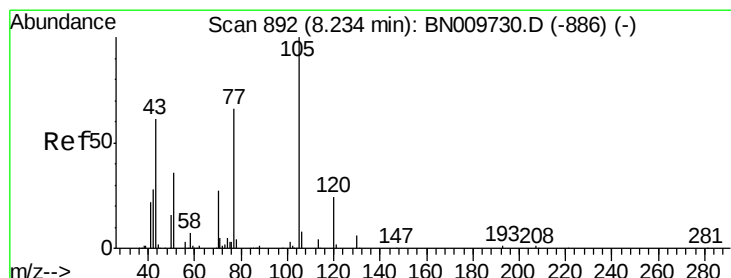
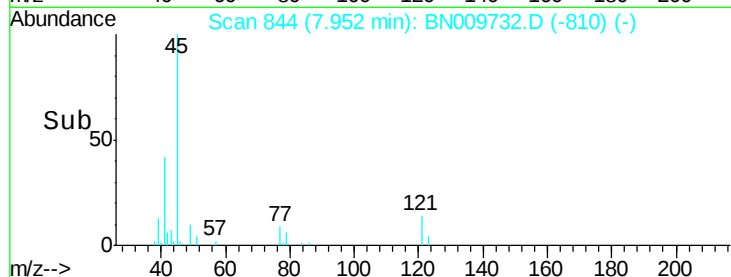
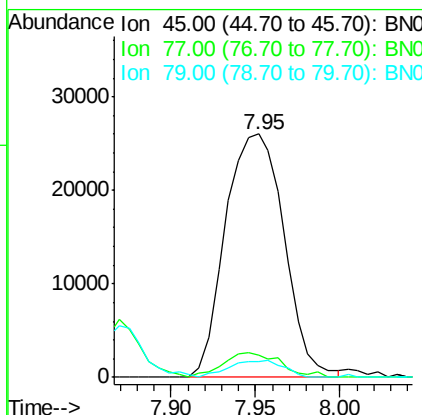
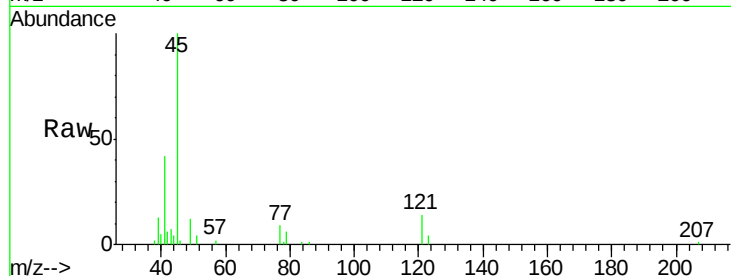
ClientSampleId :

MDL-SOIL-01

|           |     |       |       |
|-----------|-----|-------|-------|
| Tot Ion:  | 45  | Resp: | 62869 |
| Ion Ratio |     | Lower | Upper |
| 45        | 100 |       |       |
| 77        | 9.2 | 6.3   | 9.5   |
| 79        | 6.3 | 5.1   | 7.7   |

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#14

Acetophenone

Concen: 3.106 ng/ul

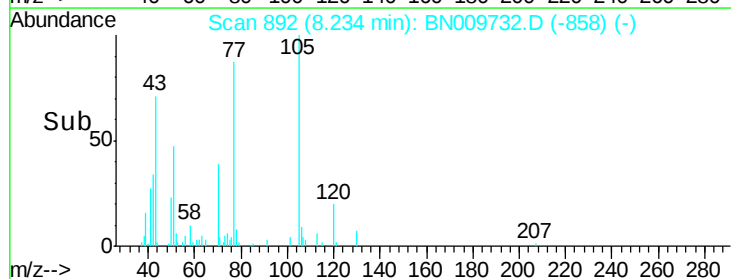
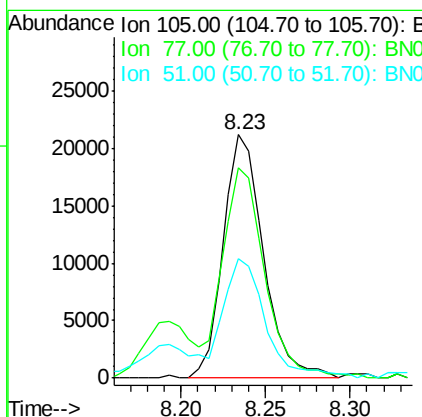
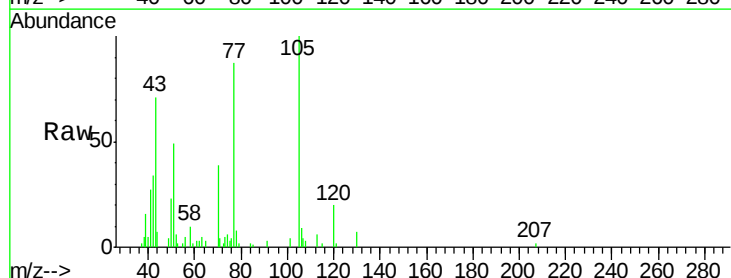
RT: 8.23 min Scan# 892

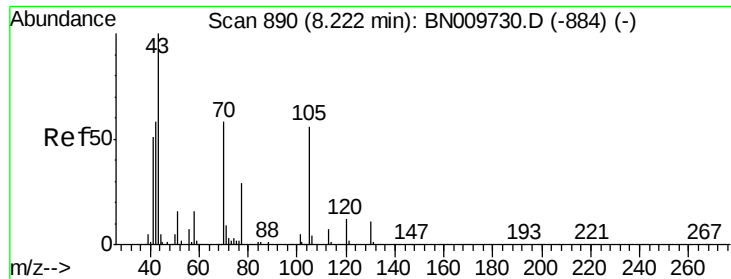
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 105  | Resp: | 35230 |
| Ion Ratio |      | Lower | Upper |
| 105       | 100  |       |       |
| 77        | 86.6 | 68.9  | 103.3 |
| 51        | 49.0 | 35.6  | 53.4  |





#15

N-Nitroso-di-n-propylamine

Concen: 3.155 ng/ul

RT: 8.22 min Scan# 890

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

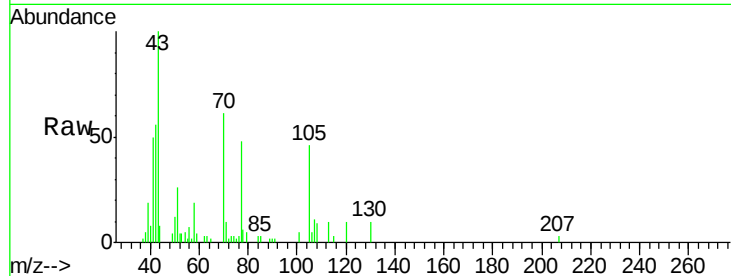
ClientSampleId :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 70    | Resp: | 18699 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 91.6  | 72.6  | 108.8 |
| 101       | 7.7   | 7.7   | 11.5  |
| 130       | 16.3  | 14.7  | 22.1  |

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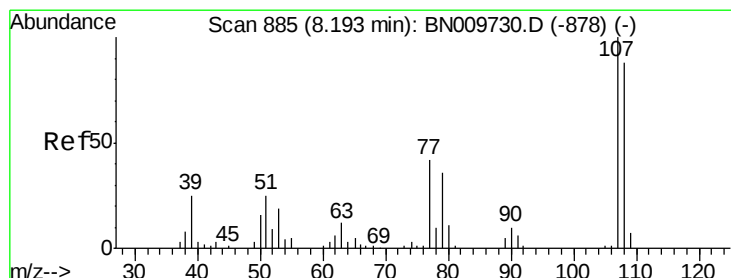
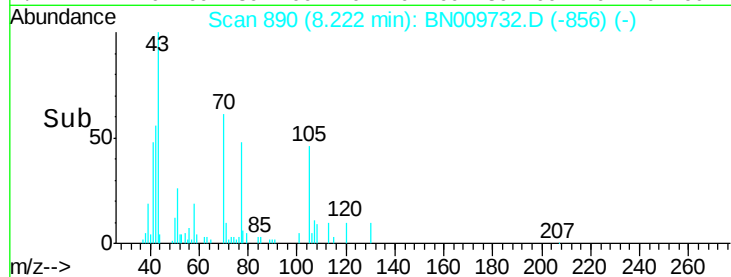
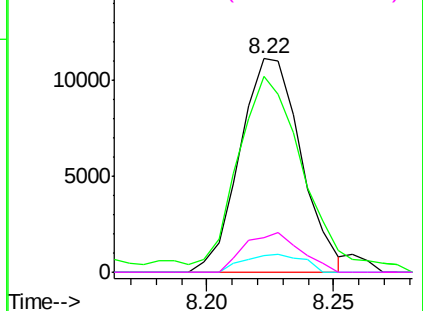


Abundance Ion 70.00 (69.70 to 70.70): BN009732.D (-856) (-)

Ion 42.00 (41.70 to 42.70): BN009732.D (-856) (-)

Ion 101.00 (100.70 to 101.70): BN009732.D (-856) (-)

Ion 130.00 (129.70 to 130.70): BN009732.D (-856) (-)



#16

4-Methylphenol

Concen: 3.091 ng/ul

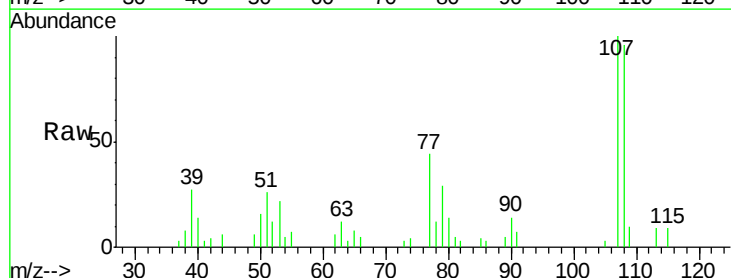
RT: 8.19 min Scan# 885

Delta R.T. 0.00 min

Lab File: BN009732.D

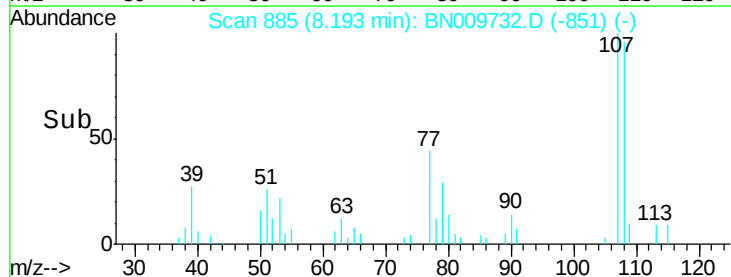
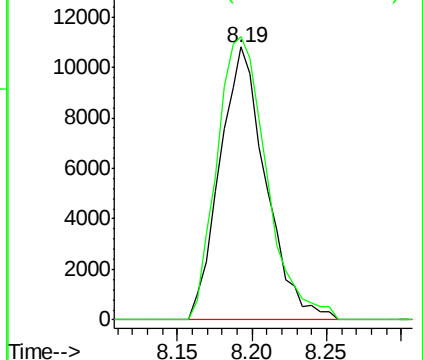
Acq: 17 Feb 2020 11:20

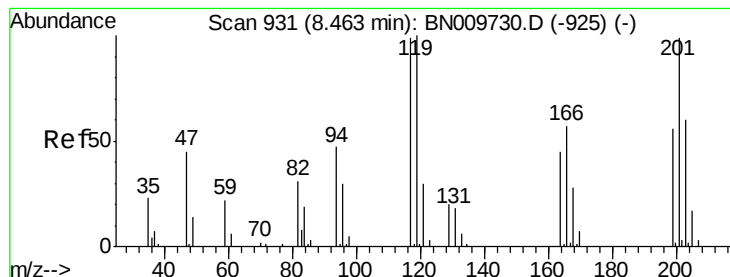
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 108   | Resp: | 23272 |
| Ion Ratio | Lower | Upper |       |
| 108       | 100   |       |       |
| 107       | 103.8 | 86.4  | 129.6 |



Abundance Ion 108.00 (107.70 to 108.70): BN009732.D (-851) (-)

Ion 107.00 (106.70 to 107.70): BN009732.D (-851) (-)





#17

Hexachloroethane

Concen: 3.178 ng/ul

RT: 8.46 min Scan# 931

Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

ClientSampled :

MDL-SOIL-01

Tot Ion:117 Resp: 10035

Ion Ratio Lower Upper

117 100

201 97.3 76.6 115.0

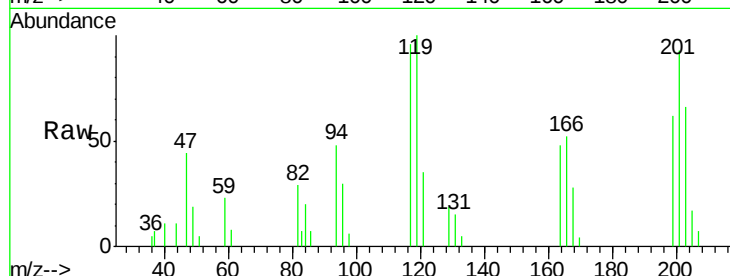
199 64.7 49.1 73.7

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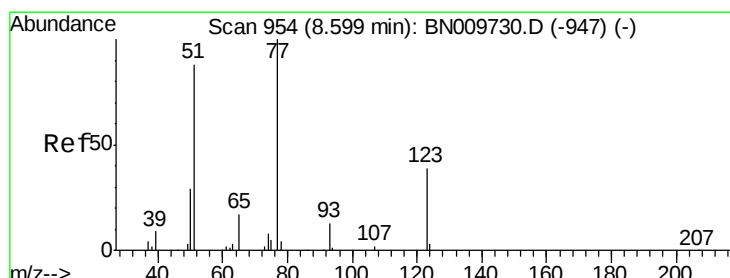
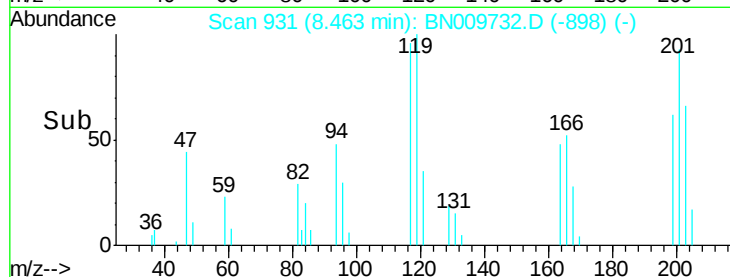
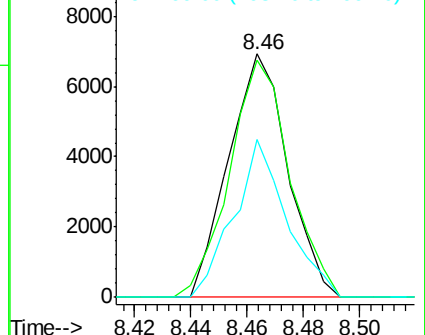
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Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 3.461 ng/ul

RT: 8.60 min Scan# 954

Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

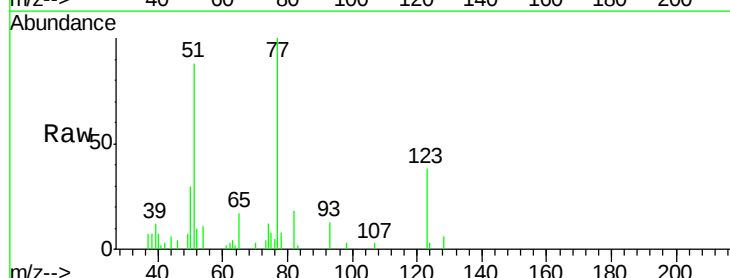
Tgt Ion: 77 Resp: 30912

Ion Ratio Lower Upper

77 100

123 38.2 30.5 45.7

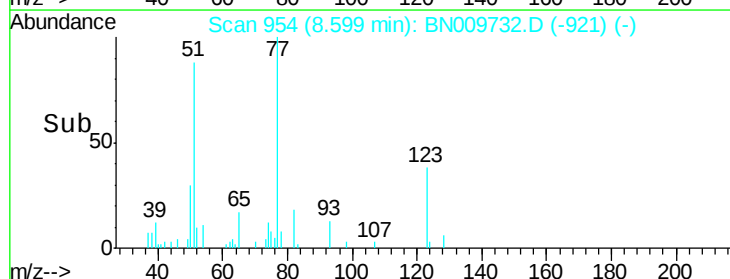
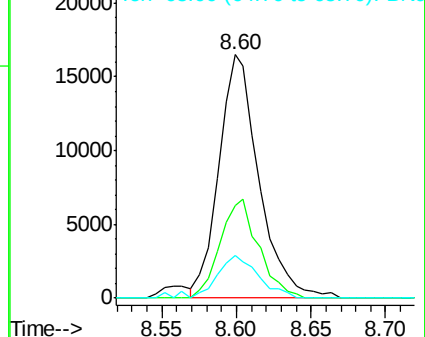
65 17.4 13.4 20.2

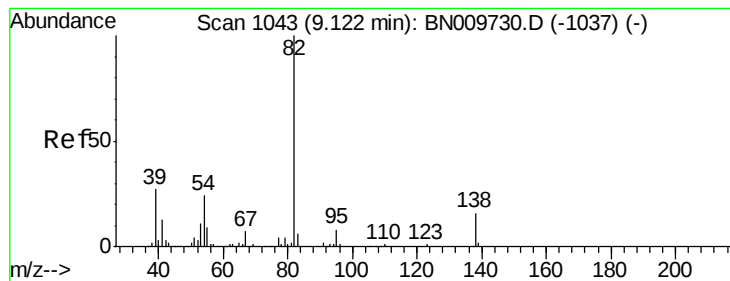


Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BNC





#21

Isophorone

Concen: 3.094 ng/ul

RT: 9.13 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

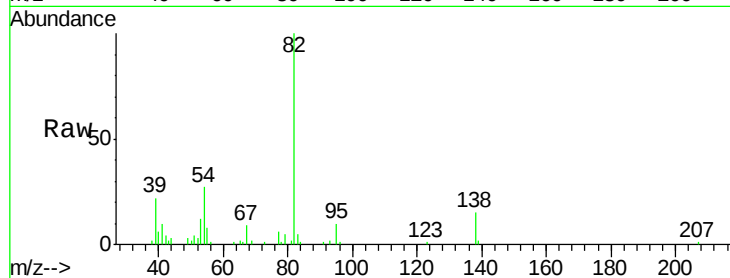
ClientSampleId :

MDL-SOIL-01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 48632 |       |       |
| 95      | 10.1  |       | 6.0   | 9.0#  |
| 138     | 14.6  |       | 12.6  | 19.0  |

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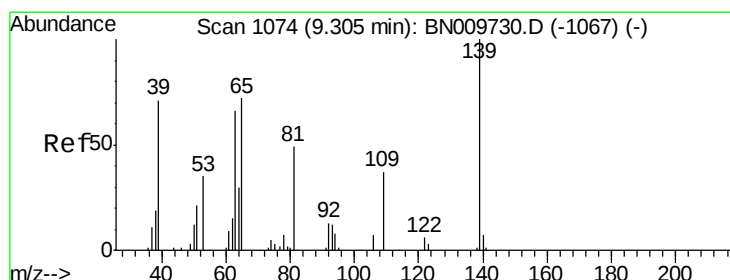
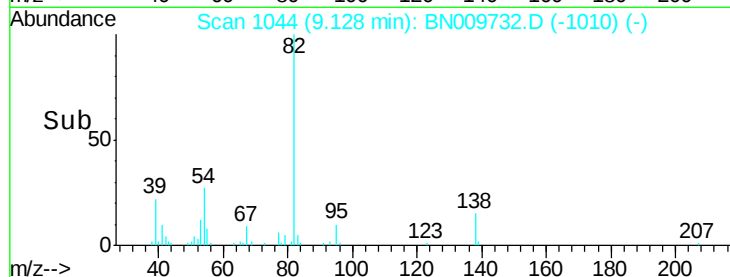
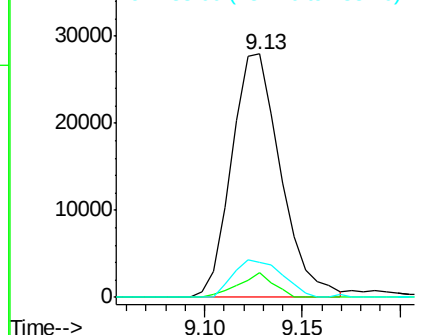
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Abundance Ion 82.00 (81.70 to 82.70): BN009732.D (-1037) (-)

Ion 95.00 (94.70 to 95.70): BN009732.D (-1037) (-)

Ion 138.00 (137.70 to 138.70): BN009732.D (-1037) (-)



#23

2-Nitrophenol

Concen: 3.352 ng/ul

RT: 9.30 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BN009732.D

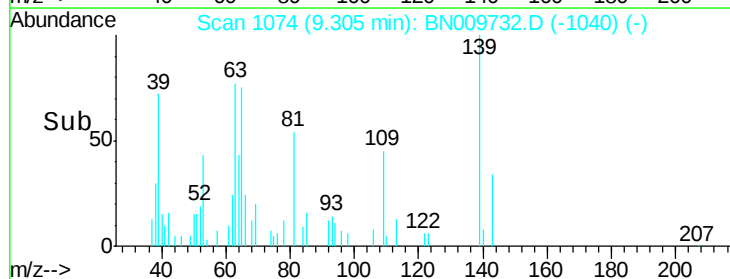
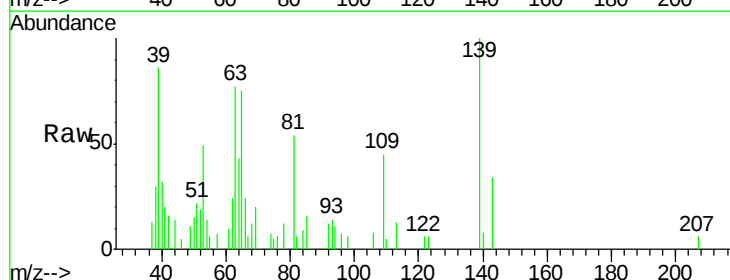
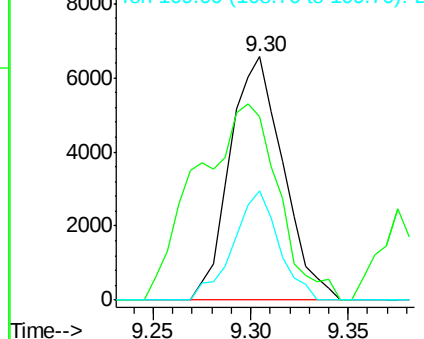
Acq: 17 Feb 2020 11:20

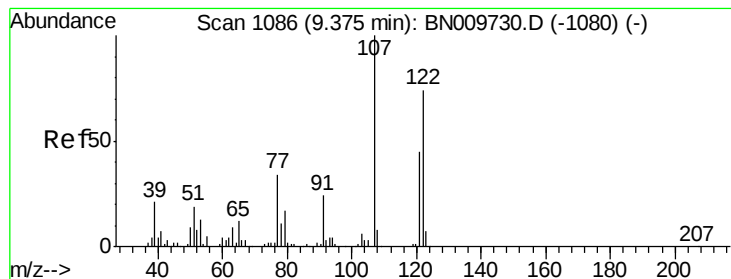
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 12436 |       |       |
| 65      | 75.4  |       | 58.0  | 87.0  |
| 109     | 44.7  |       | 28.8  | 43.2# |

Abundance Ion 139.00 (138.70 to 139.70): BN009732.D (-1040) (-)

Ion 65.00 (64.70 to 65.70): BN009732.D (-1040) (-)

Ion 109.00 (108.70 to 109.70): BN009732.D (-1040) (-)





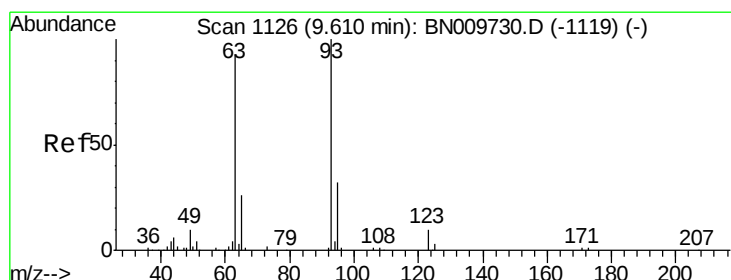
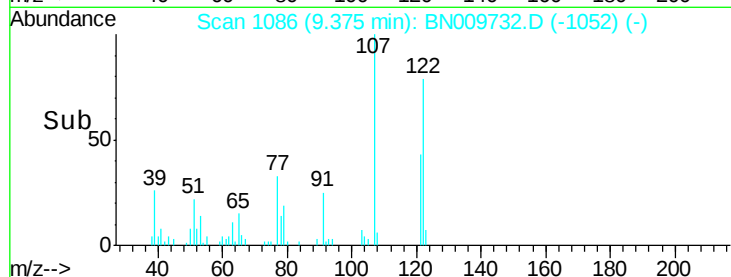
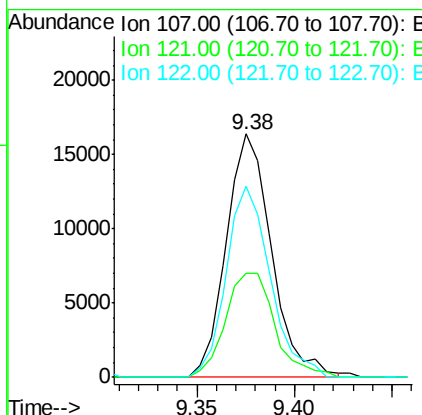
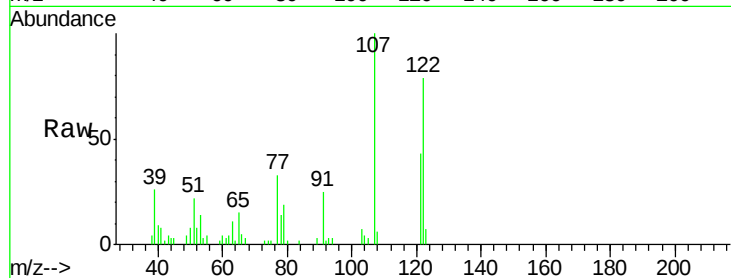
#24  
 2,4-Dimethylphenol  
 Concen: 3.274 ng/ul  
 RT: 9.38 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   | 26376 |       |       |
| 121     | 43.0  |       | 38.5  | 57.7  |
| 122     | 78.6  |       | 62.9  | 94.3  |

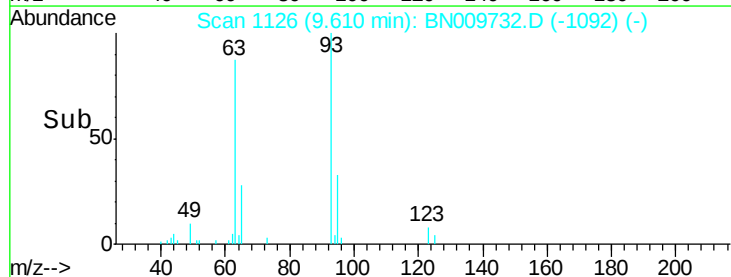
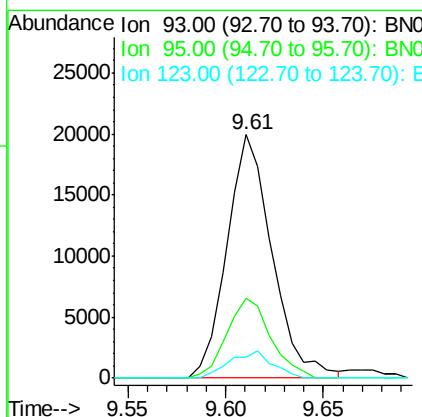
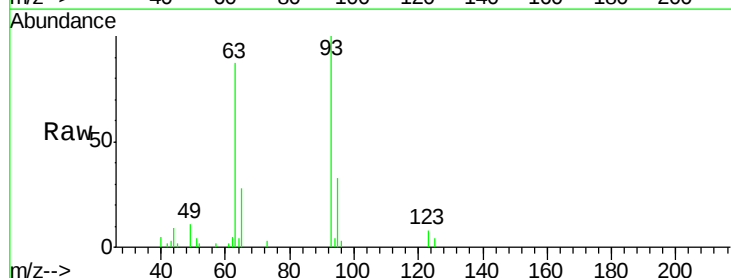
Manual Integrations  
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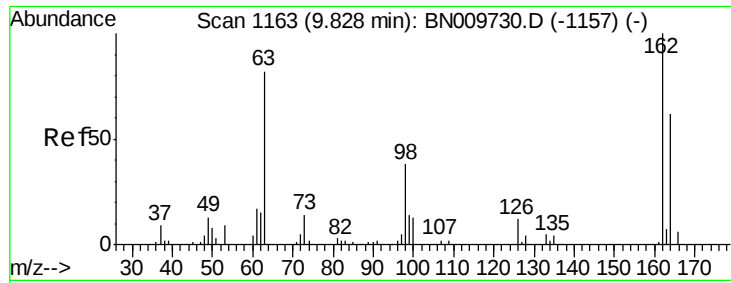
mohammad  
 2/20/2020 7:56:18 AM



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 3.328 ng/ul  
 RT: 9.61 min Scan# 1126  
 Delta R.T. 0.00 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 93      | 100   | 31971 |       |       |
| 95      | 32.9  |       | 25.1  | 37.7  |
| 123     | 8.3   |       | 8.9   | 13.3# |





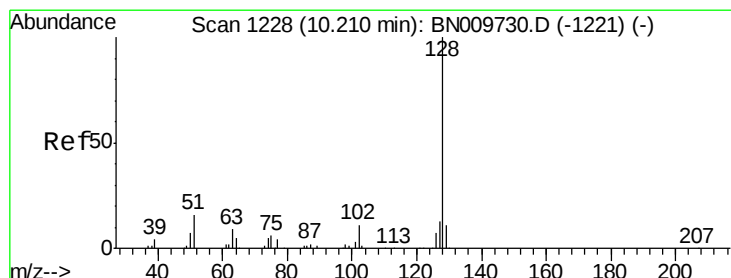
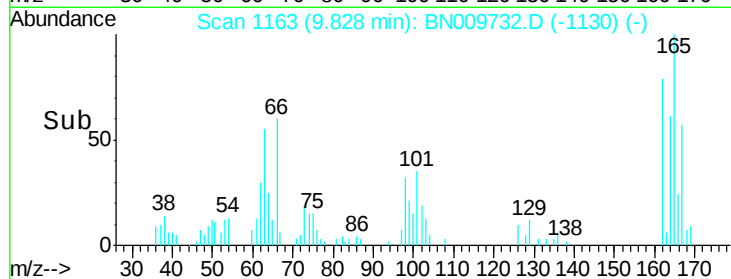
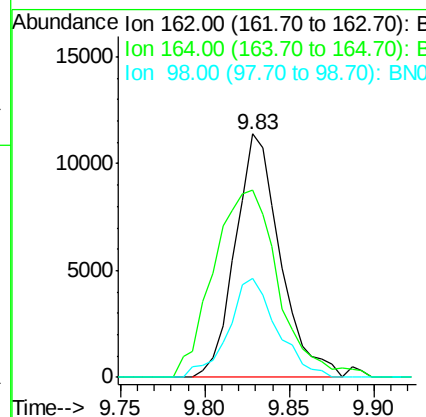
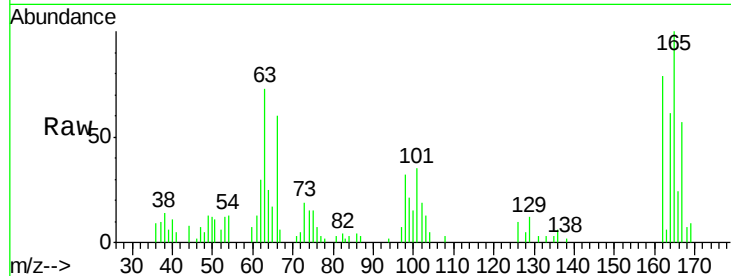
#27  
 2,4-Dichlorophenol  
 Concen: 3.274 ng/ul  
 RT: 9.83 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 76.8  | 50.5  | 75.7# |
| 98      | 40.8  | 28.7  | 43.1  |

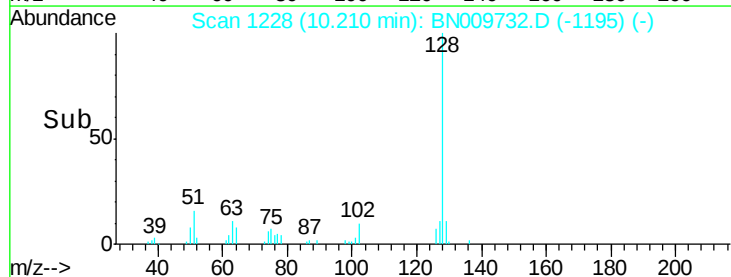
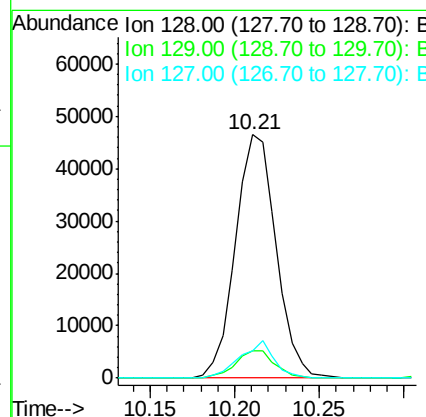
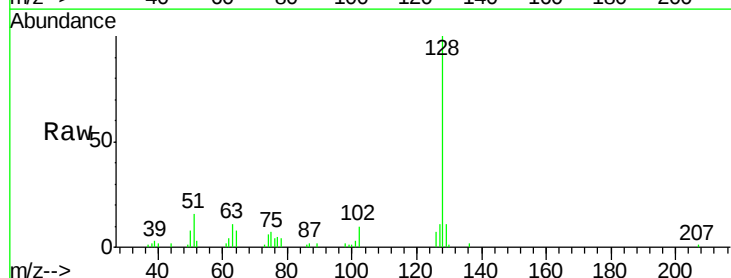
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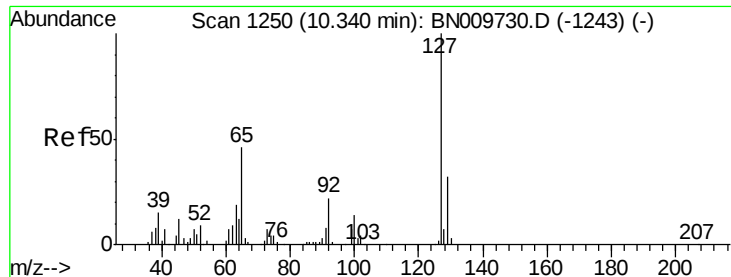
mohammad  
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#28  
 Naphthalene  
 Concen: 3.489 ng/ul  
 RT: 10.21 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.6   | 13.0  |
| 127     | 11.0  | 10.3  | 15.5  |





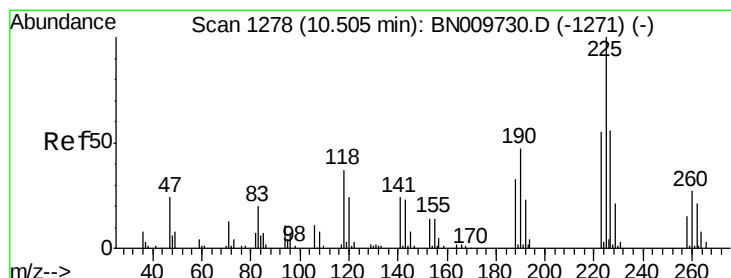
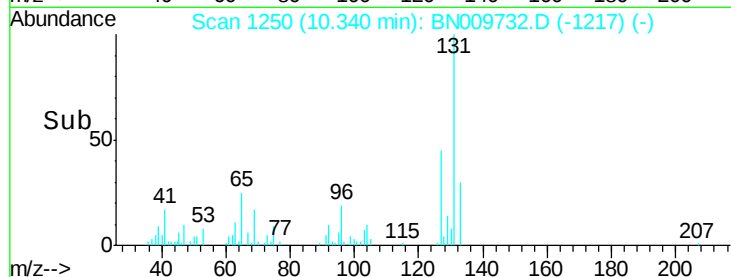
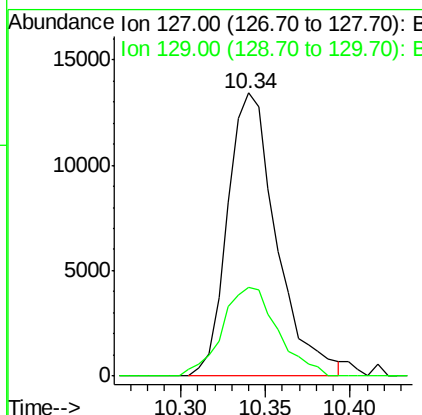
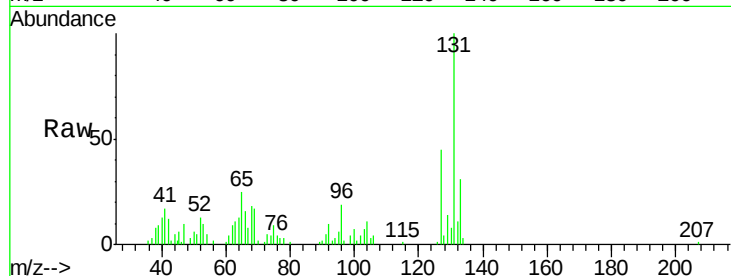
#30  
4-Chloroaniline  
Concen: 3.677 ng/ul  
RT: 10.34 min Scan# 1250  
Delta R.T. -0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 26964 |       |       |
| 129     | 31.5 | 24.8  | 37.2  |       |       |

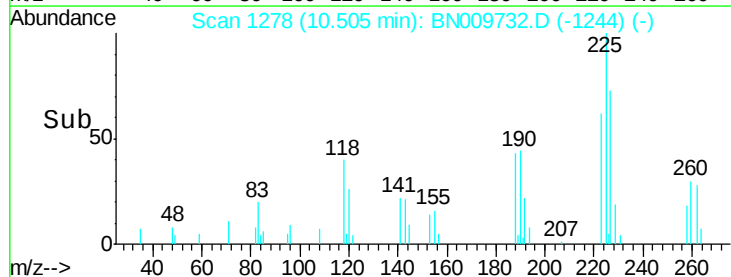
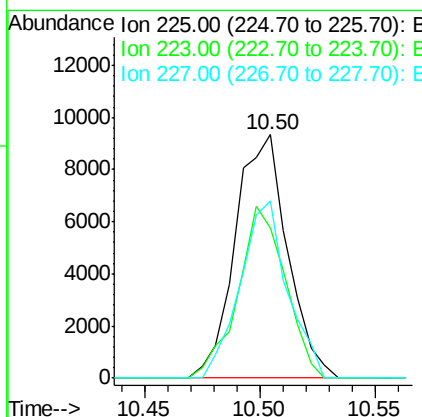
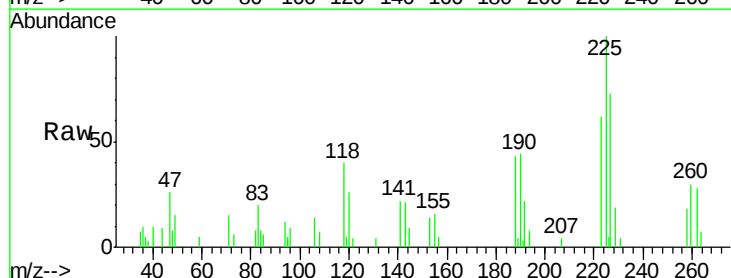
Manual Integrations  
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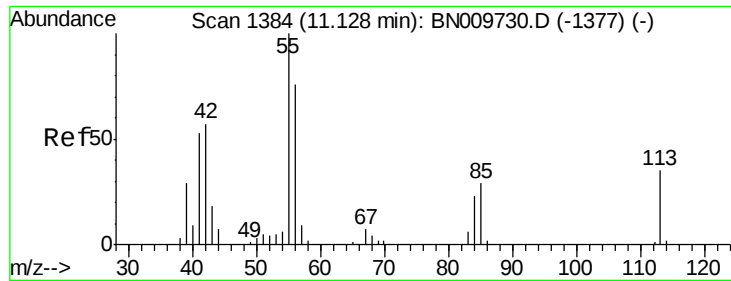
mohammad  
2/20/2020 7:56:18 AM



#31  
Hexachlorobutadiene  
Concen: 3.419 ng/ul  
RT: 10.50 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 225     | 100  |       | 14704 |       |       |
| 223     | 61.8 | 47.0  | 70.4  |       |       |
| 227     | 72.7 | 57.3  | 85.9  |       |       |





#32

Caprolactam

Concen: 2.337 ng/ul m

RT: 11.17 min Scan# 1391

Delta R.T. 0.04 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

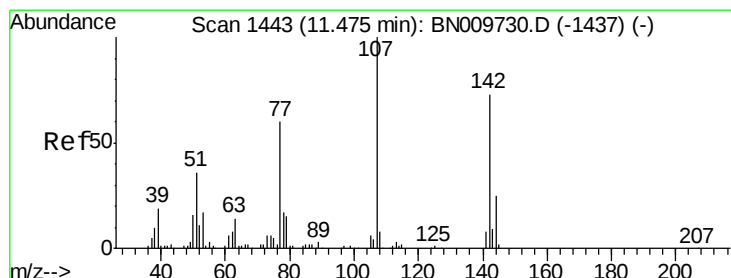
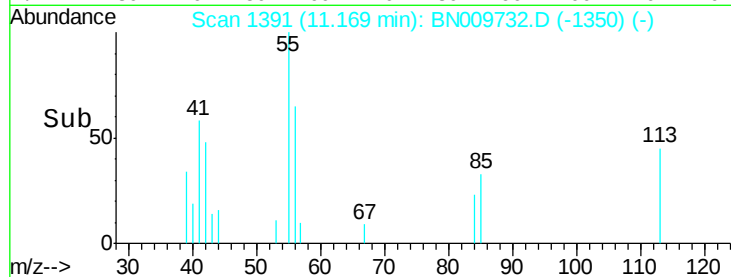
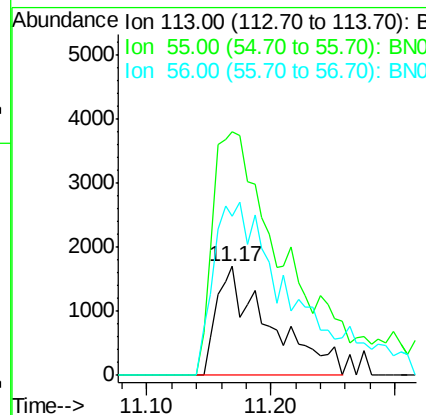
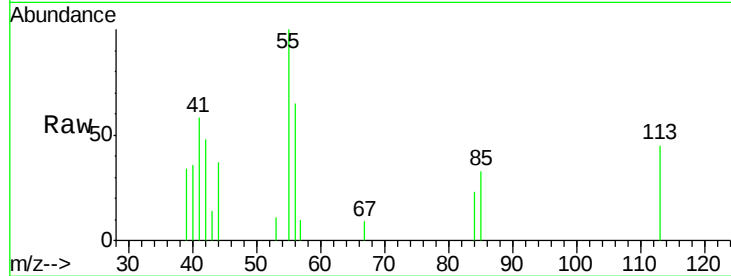
ClientSampleId :

MDL-SOIL-01

Tot Ion:113 Resp: 5040  
 Ion Ratio Lower Upper  
 113 100  
 55 223.7 209.1 313.7  
 56 146.4 161.6 242.4#

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#33

4-Chloro-3-methylphenol

Concen: 2.928 ng/ul

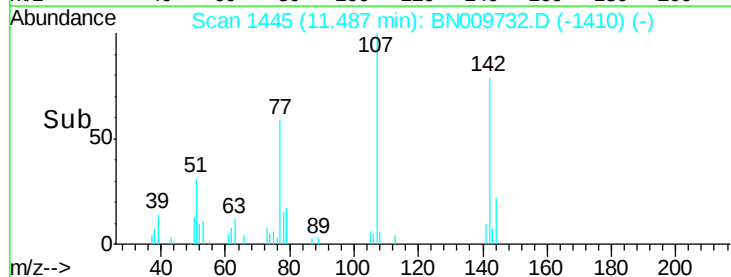
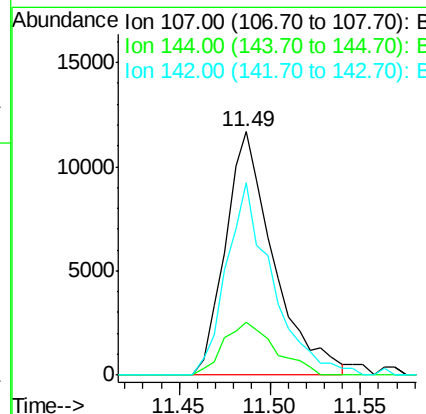
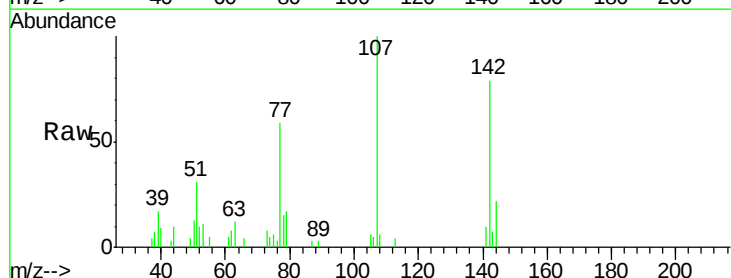
RT: 11.49 min Scan# 1445

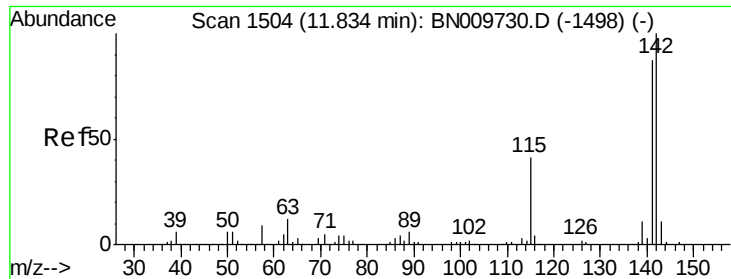
Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Tgt Ion:107 Resp: 21534  
 Ion Ratio Lower Upper  
 107 100  
 144 21.8 19.3 28.9  
 142 79.1 59.5 89.3





#34

2-Methylnaphthalene

Concen: 3.486 ng/uL

RT: 11.84 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:142 Resp: 54079

Ion Ratio Lower Upper

142 100

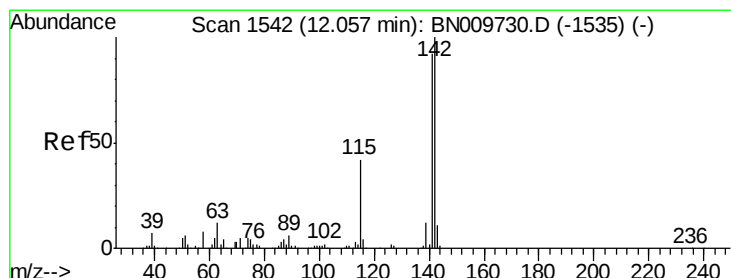
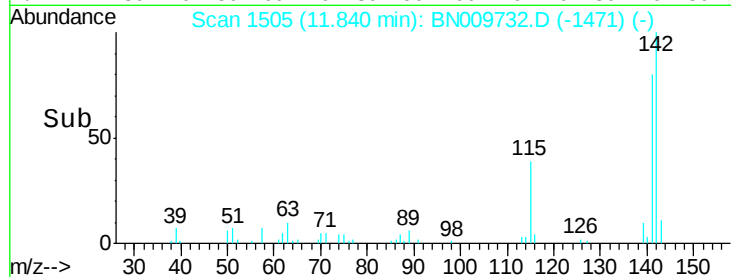
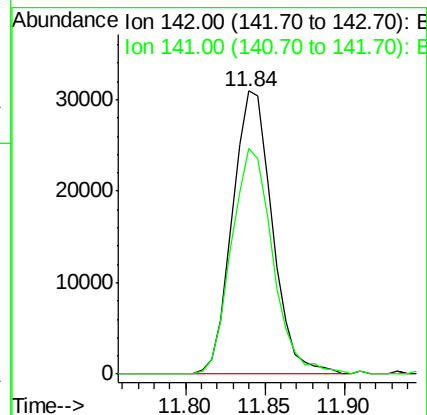
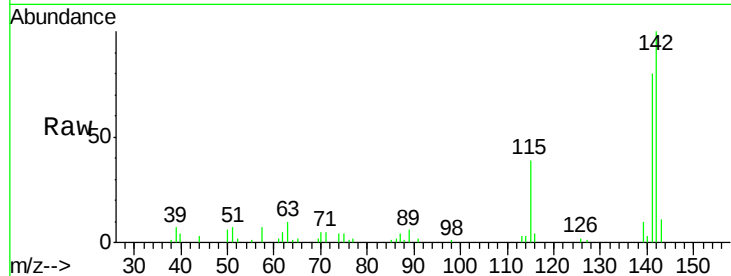
141 79.8 72.1 108.1

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#35

1-Methylnaphthalene

Concen: 3.676 ng/uL

RT: 12.06 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

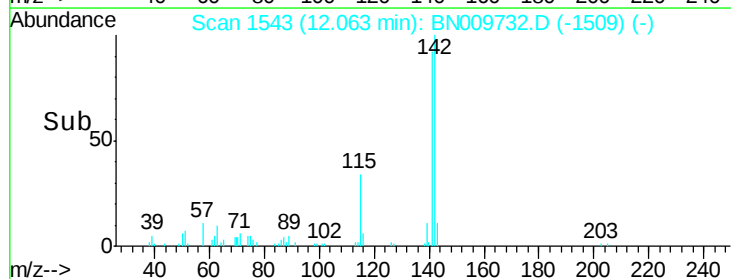
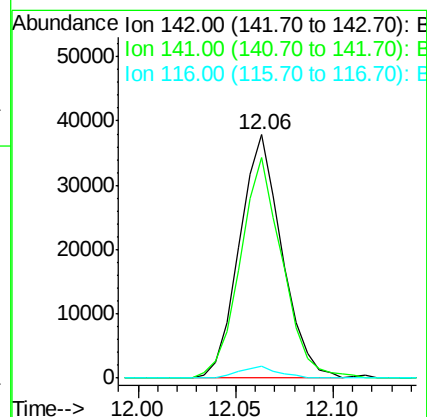
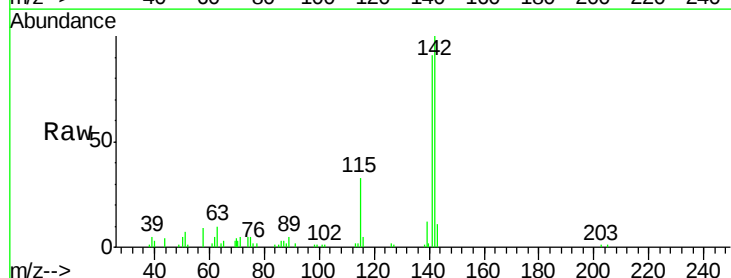
Tgt Ion:142 Resp: 57155

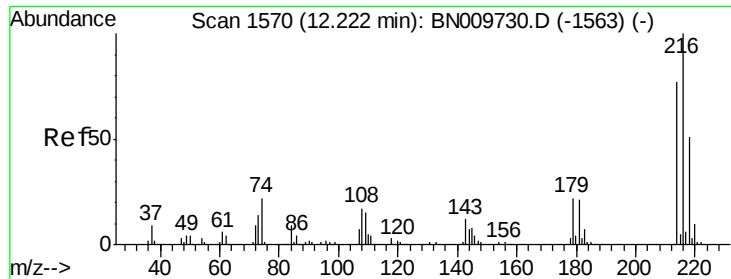
Ion Ratio Lower Upper

142 100

141 90.1 72.8 109.2

116 4.4 3.2 4.8





#37

1,2,4,5-Tetrachlorobenzene

Concen: 3.434 ng/ul

RT: 12.23 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

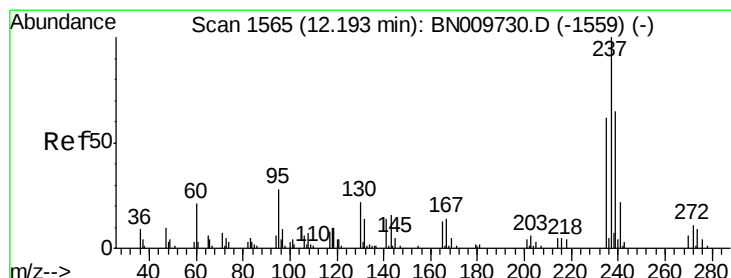
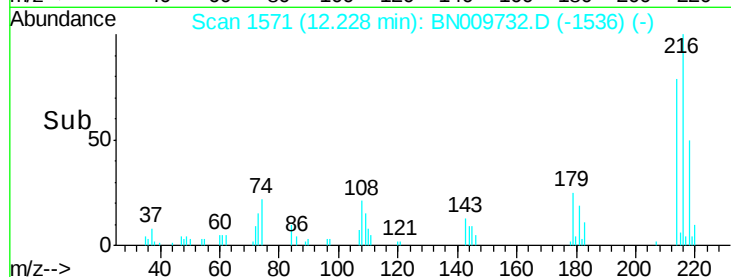
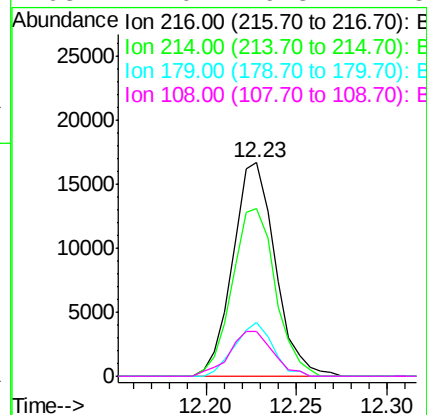
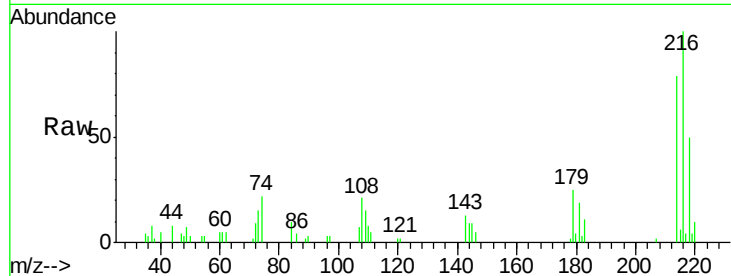
ClientSampled :

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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 216   | Resp: | 27300 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 78.8  | 64.8  | 97.2  |
| 179       | 25.0  | 17.6  | 26.4  |
| 108       | 21.0  | 16.3  | 24.5  |

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#38

Hexachlorocyclopentadiene

Concen: 1.158 ng/ul

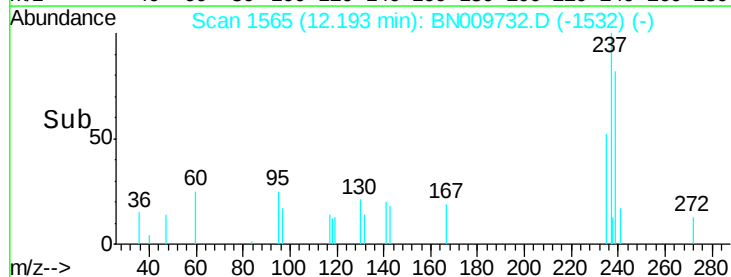
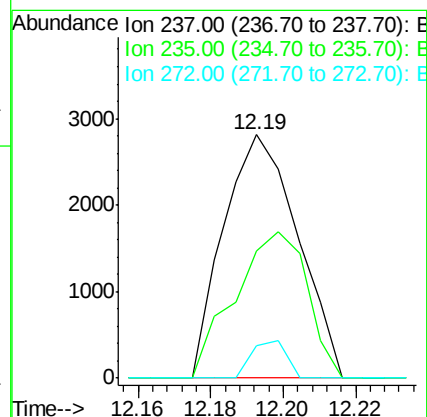
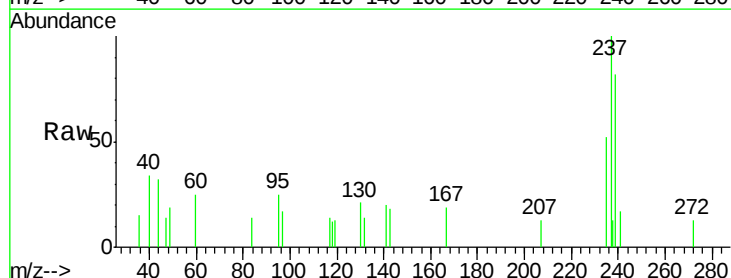
RT: 12.19 min Scan# 1565

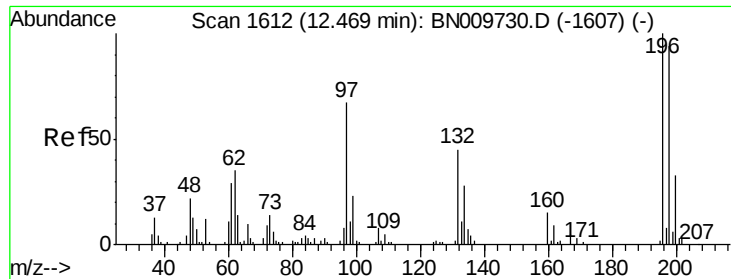
Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 237   | Resp: | 3982 |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 52.2  | 48.3  | 72.5 |
| 272       | 13.2  | 9.6   | 14.4 |





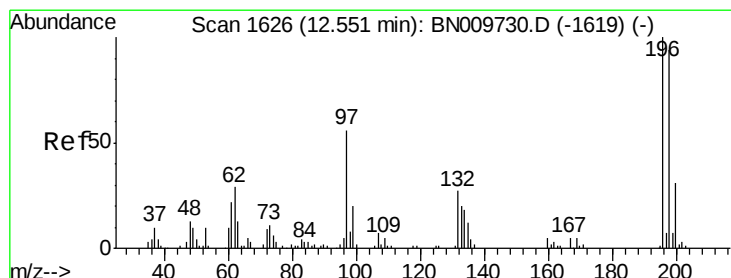
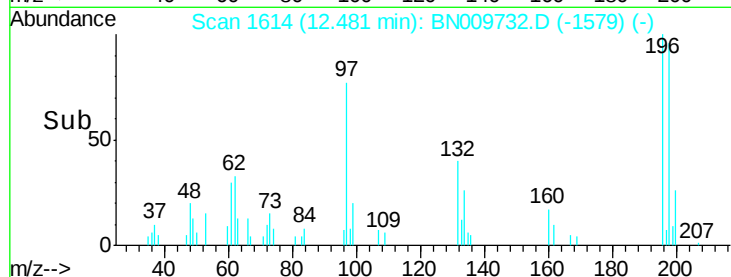
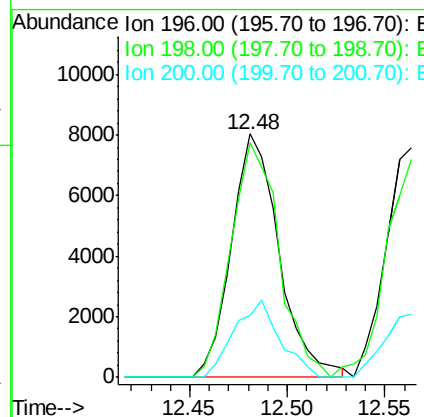
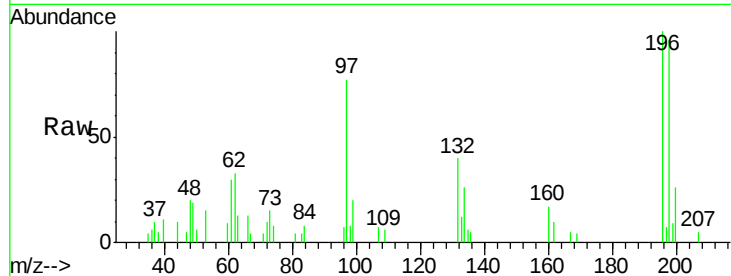
#39  
 2,4,6-Trichlorophenol  
 Concen: 2.707 ng/ul  
 RT: 12.48 min Scan# 1614  
 Delta R.T. 0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampled :  
 MDL-SOIL-01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 13658 |       |       |
| 198     | 96.2  | 77.2  | 115.8 |       |
| 200     | 25.6  | 26.8  | 40.2  |       |

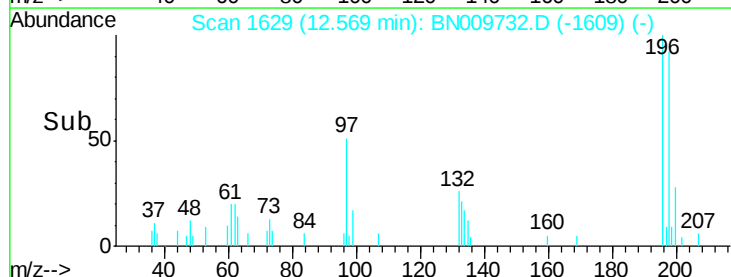
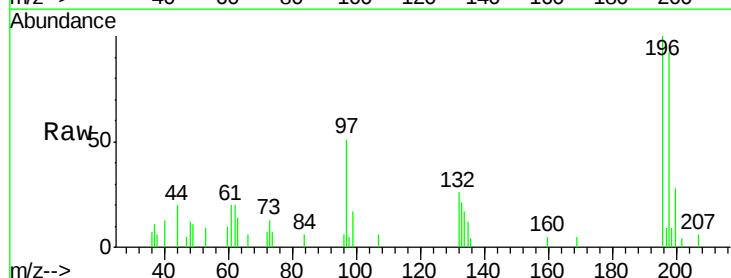
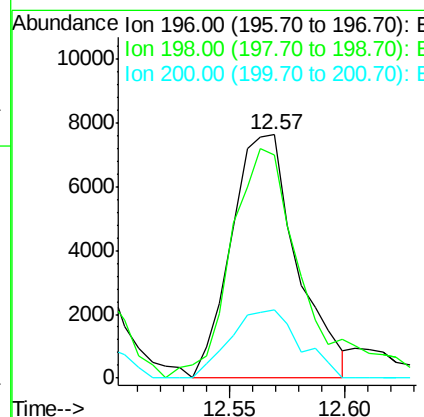
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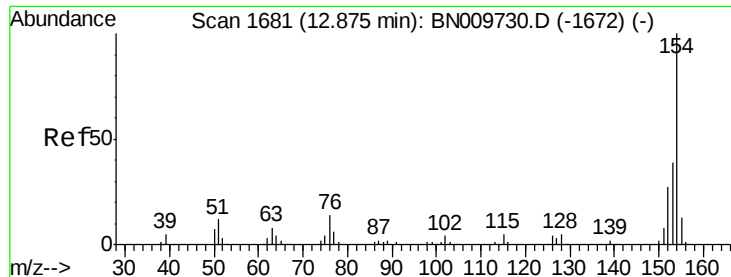
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#40  
 2,4,5-Trichlorophenol  
 Concen: 2.789 ng/ul  
 RT: 12.57 min Scan# 1629  
 Delta R.T. 0.02 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 15099 |       |       |
| 198     | 100.4 | 75.0  | 112.6 |       |
| 200     | 27.9  | 24.2  | 36.4  |       |





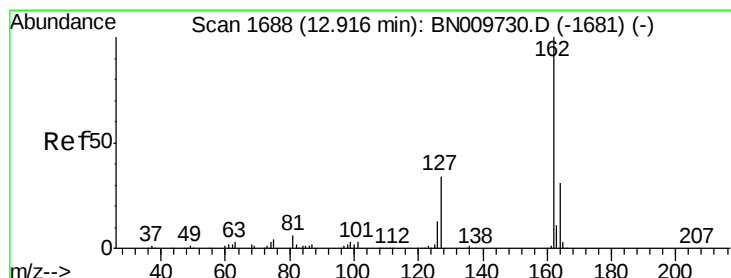
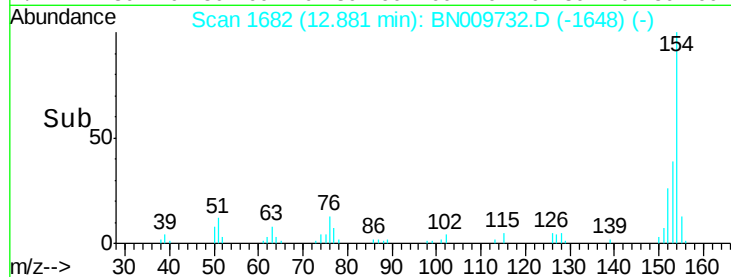
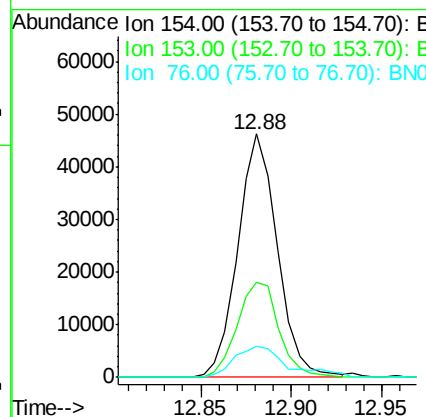
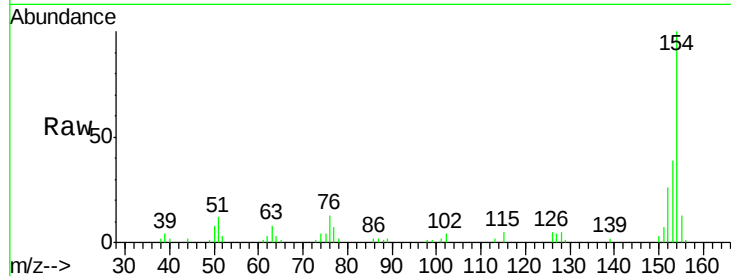
#41  
 1,1'-Biphenyl  
 Concen: 3.401 ng/ul  
 RT: 12.88 min Scan# 1682  
 Delta R.T. 0.00 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 154   | Resp: | 70062 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 38.9  | 33.2  | 49.8  |
| 76        | 12.6  | 11.0  | 16.4  |

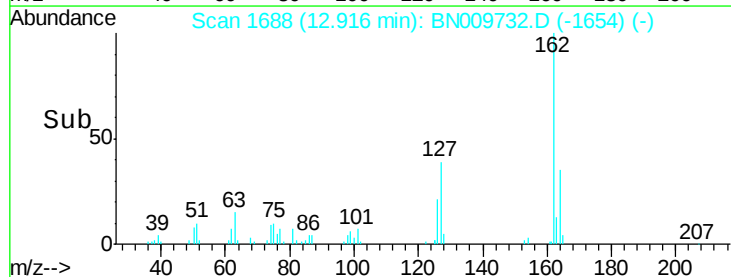
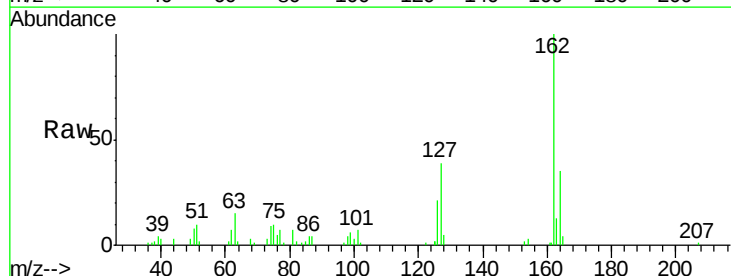
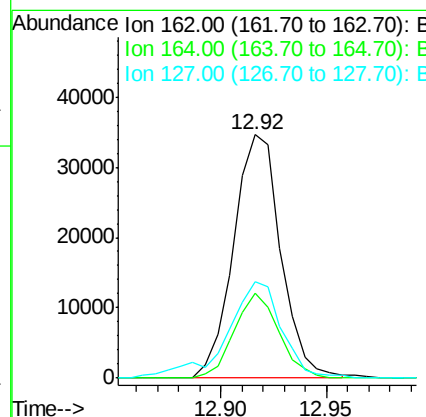
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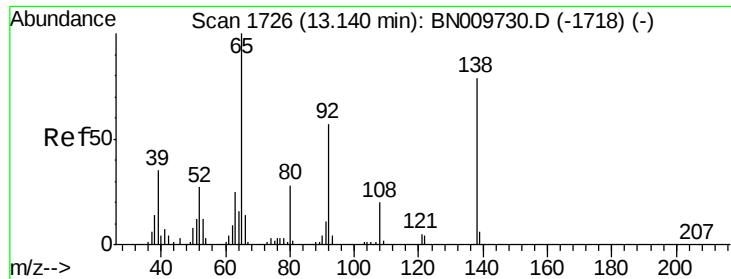
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#42  
 2-Chloronaphthalene  
 Concen: 3.284 ng/ul  
 RT: 12.92 min Scan# 1688  
 Delta R.T. 0.00 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 53733 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 35.0  | 25.7  | 38.5  |
| 127       | 39.4  | 31.4  | 47.2  |





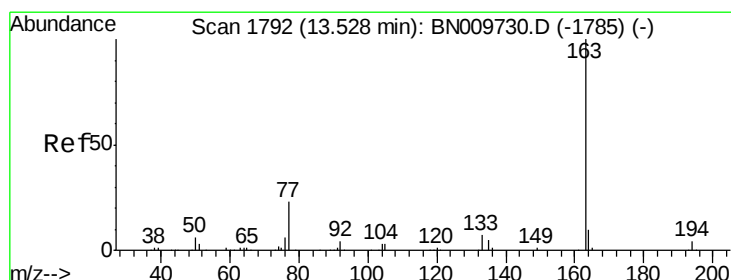
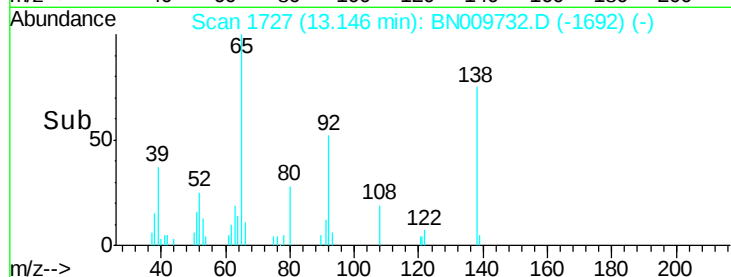
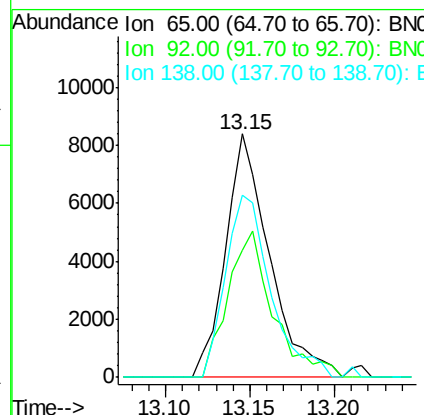
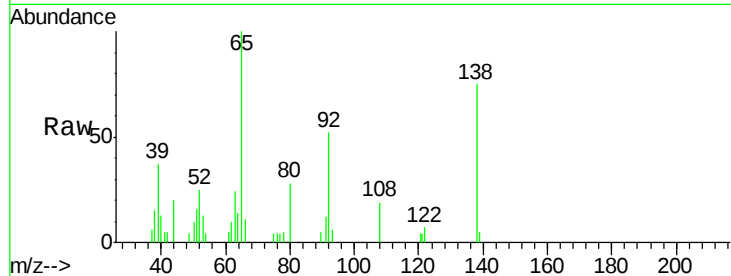
#43  
2-Nitroaniline  
Concen: 2.539 ng/ul  
RT: 13.15 min Scan# 1727  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 52.4  | 43.6  | 65.4  |
| 138     | 74.9  | 61.3  | 91.9  |

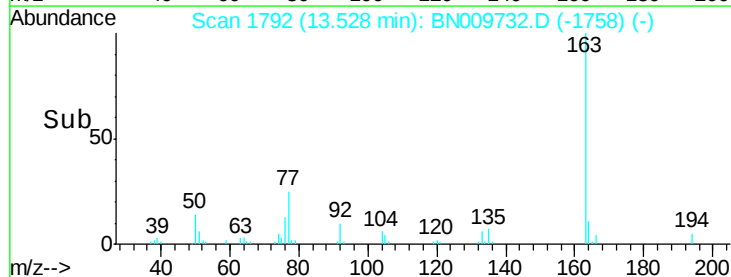
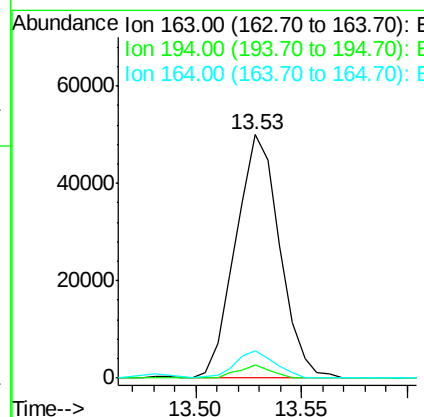
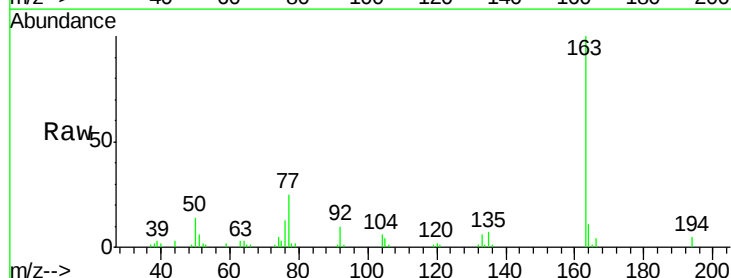
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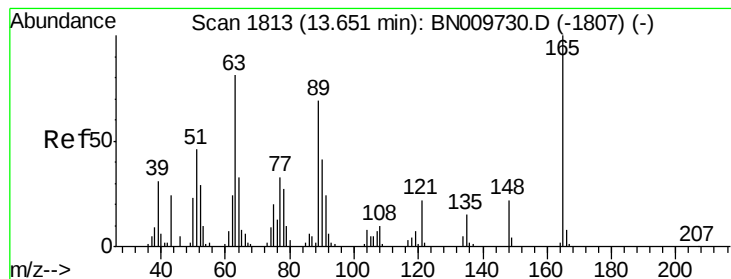
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#45  
Dimethylphthalate  
Concen: 3.465 ng/ul  
RT: 13.53 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.3   | 3.4   | 5.0#  |
| 164     | 11.1  | 8.0   | 12.0  |





#46

2,6-Dinitrotoluene

Concen: 2.794 ng/ul

RT: 13.66 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

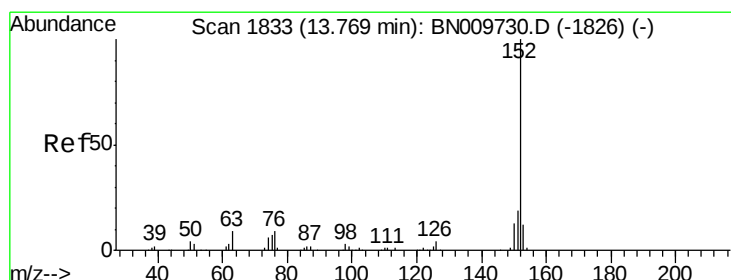
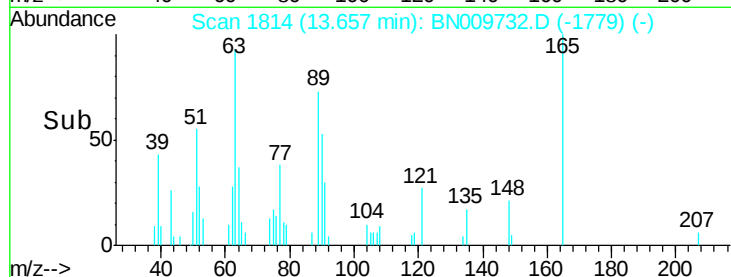
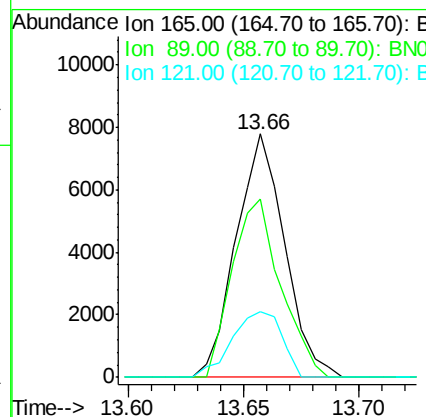
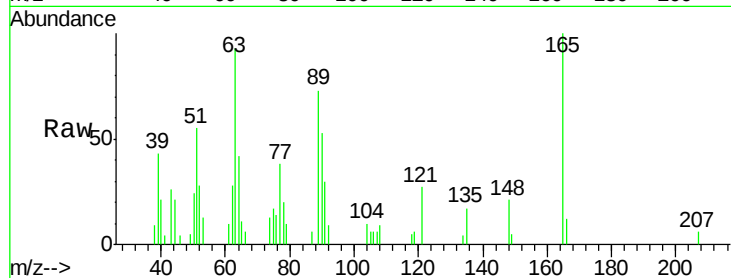
ClientSampled :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 11434 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 89        | 73.2  | 54.1  | 81.1  |
| 121       | 26.7  | 18.1  | 27.1  |

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#48

Acenaphthylene

Concen: 3.404 ng/ul

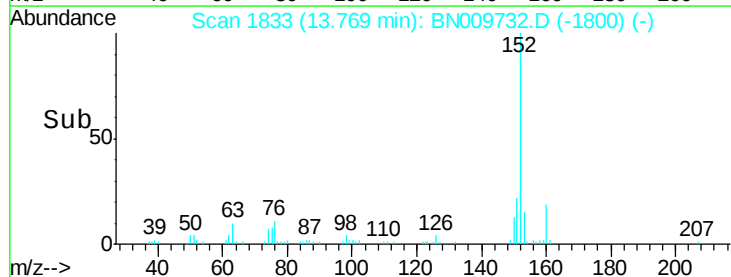
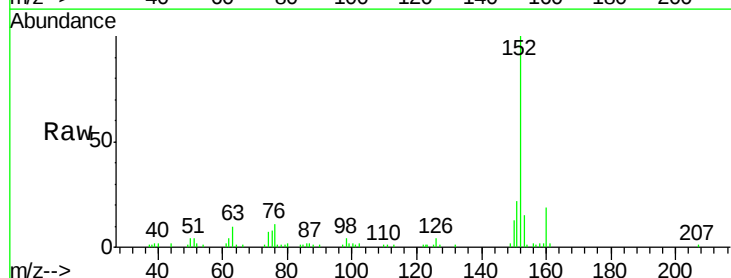
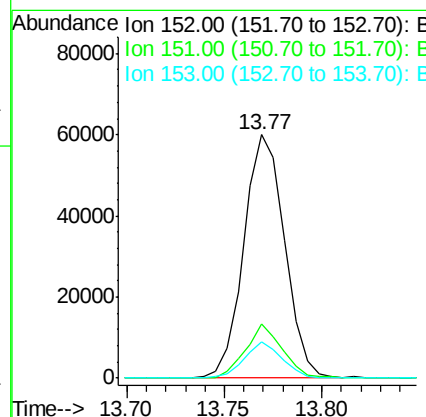
RT: 13.77 min Scan# 1833

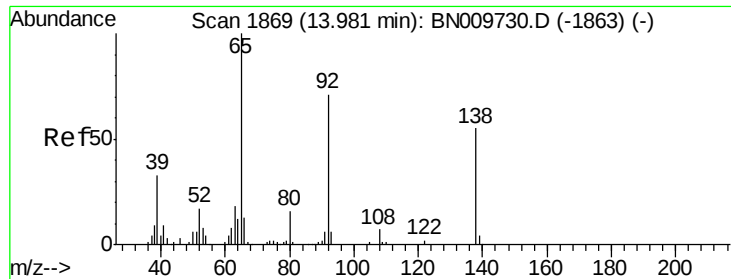
Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 86919 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 22.2  | 15.7  | 23.5  |
| 153       | 14.7  | 10.3  | 15.5  |





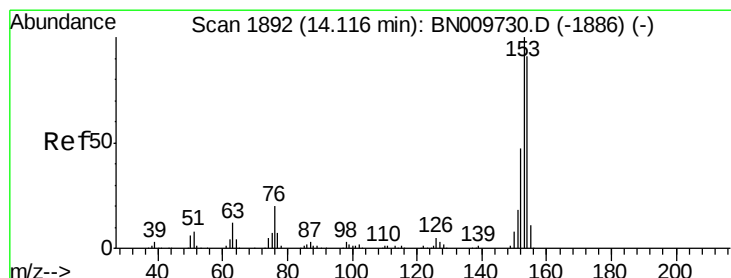
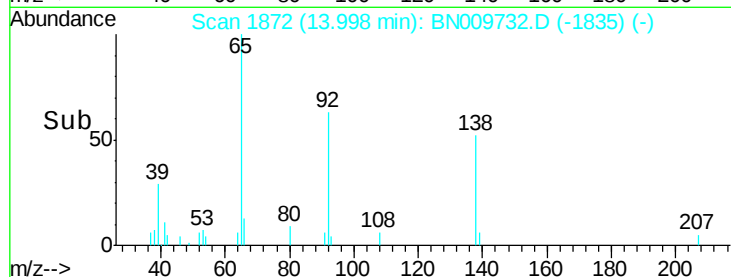
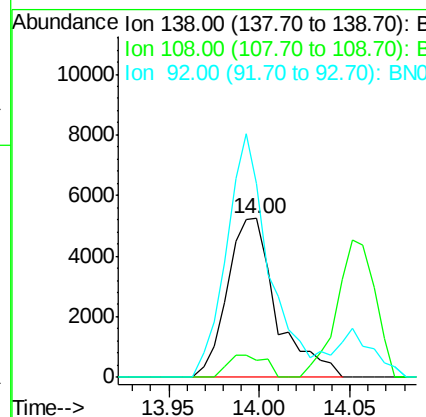
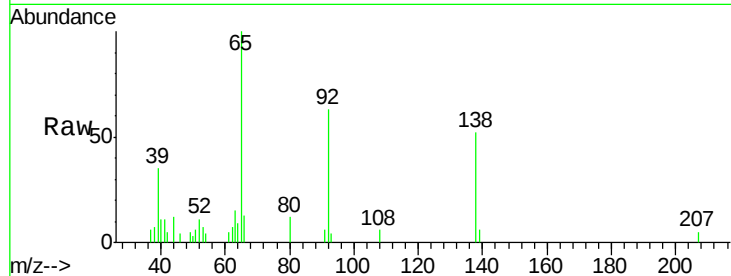
#49  
3-Nitroaniline  
Concen: 2.612 ng/ul  
RT: 14.00 min Scan# 1872  
Delta R.T. 0.02 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.8  | 8.9   | 13.3  |
| 92      | 122.4 | 99.2  | 148.8 |

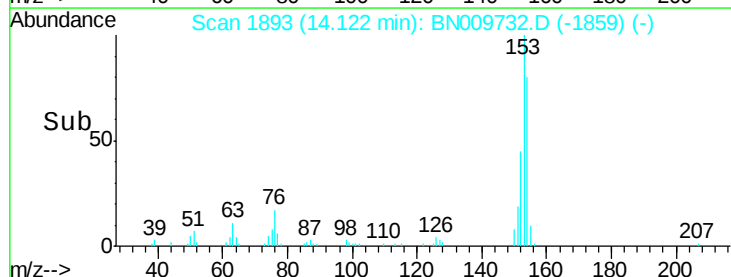
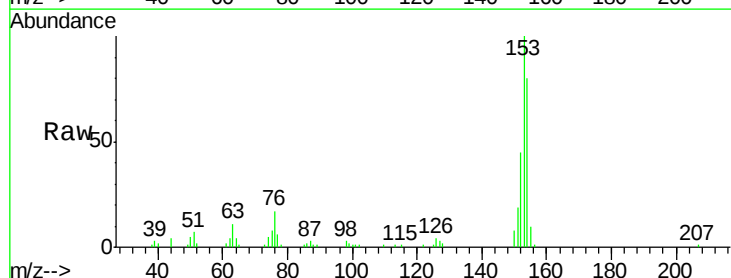
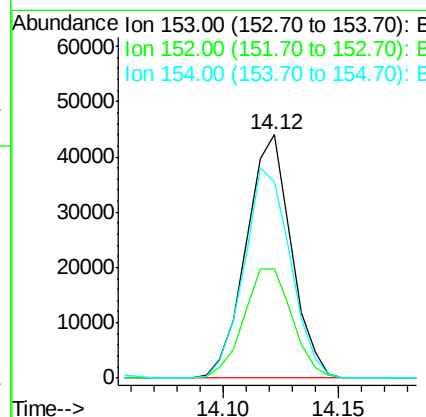
Manual Integrations  
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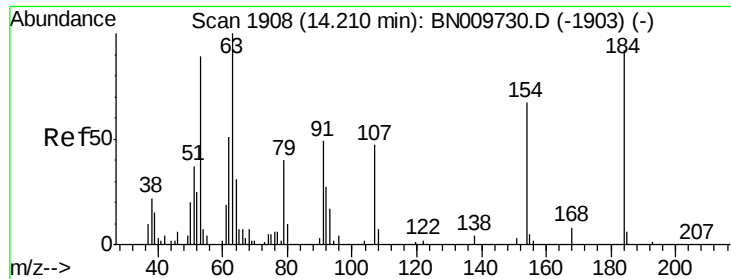
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#50  
Acenaphthene  
Concen: 3.426 ng/ul  
RT: 14.12 min Scan# 1893  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 45.0  | 36.6  | 54.8  |
| 154     | 80.4  | 70.6  | 106.0 |





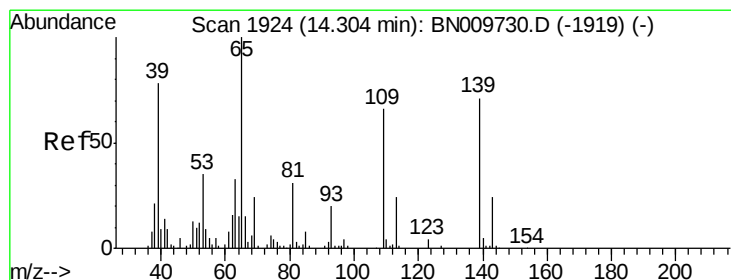
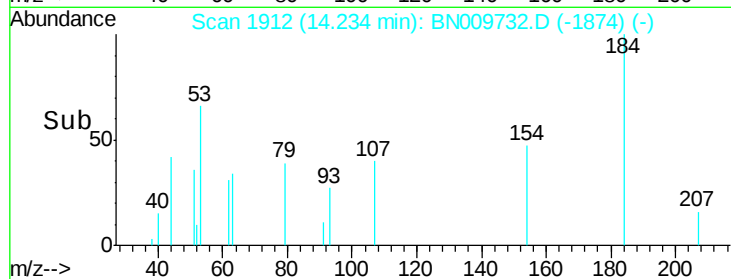
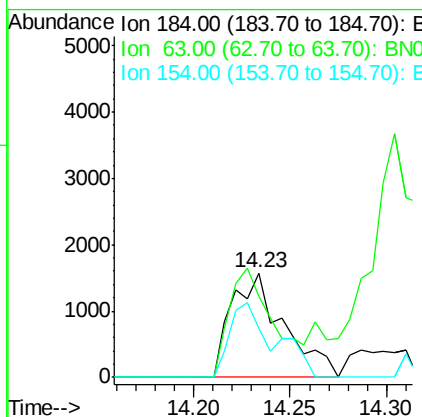
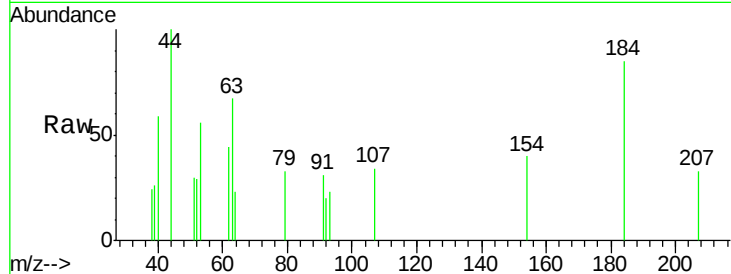
#51  
 2,4-Dinitrophenol  
 Concen: 1.243 ng/ul m  
 RT: 14.23 min Scan# 1912  
 Delta R.T. 0.02 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampled :  
 MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 78.2  | 83.0  | 124.6# |
| 154     | 46.7  | 54.9  | 82.3#  |

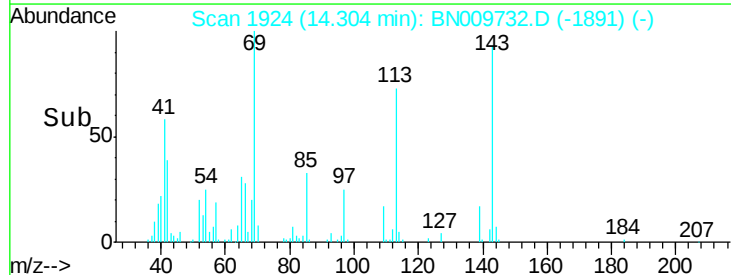
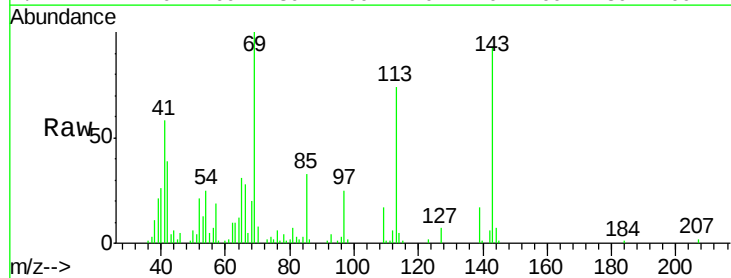
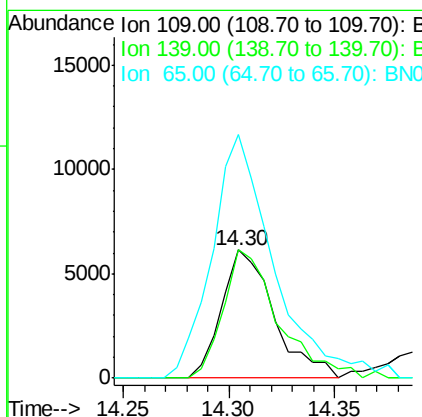
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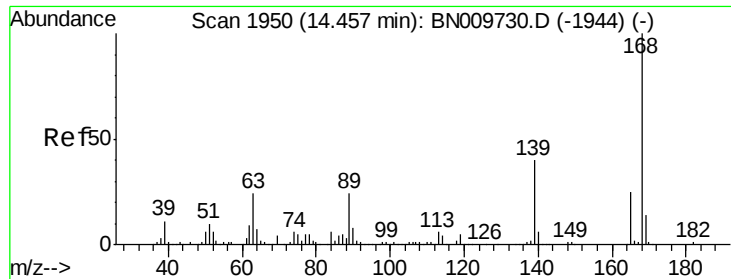
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#53  
 4-Nitrophenol  
 Concen: 3.201 ng/ul  
 RT: 14.30 min Scan# 1924  
 Delta R.T. -0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 100.5 | 96.3  | 144.5 |
| 65      | 190.1 | 129.9 | 194.9 |





#54

Dibenzenofuran

Concen: 3.445 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:168 Resp: 84651

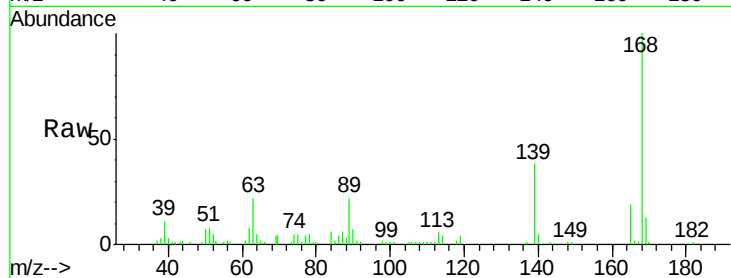
Ion Ratio Lower Upper

168 100

139 38.0 32.7 49.1

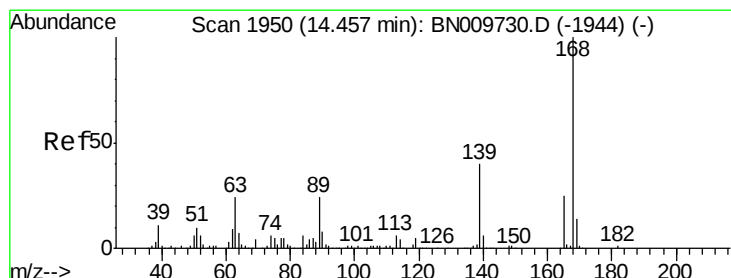
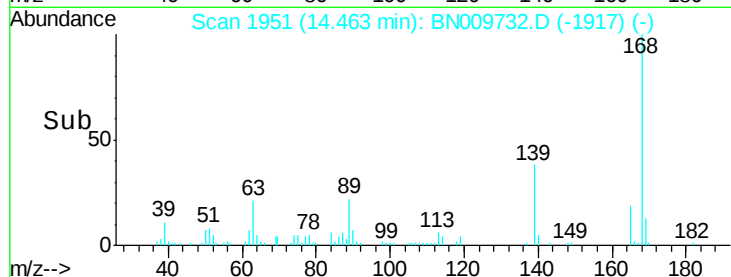
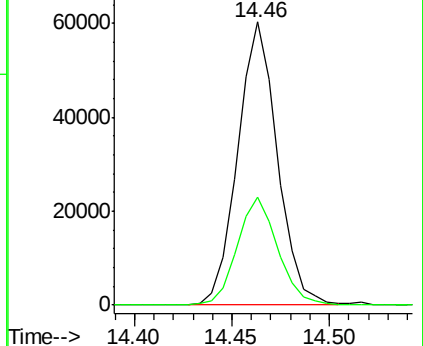
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 2.921 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

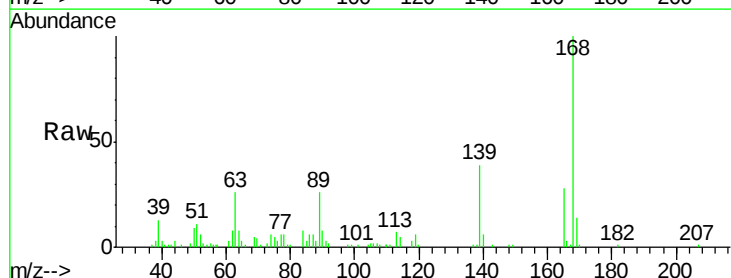
Tgt Ion:165 Resp: 17716

Ion Ratio Lower Upper

165 100

63 94.2 68.3 102.5

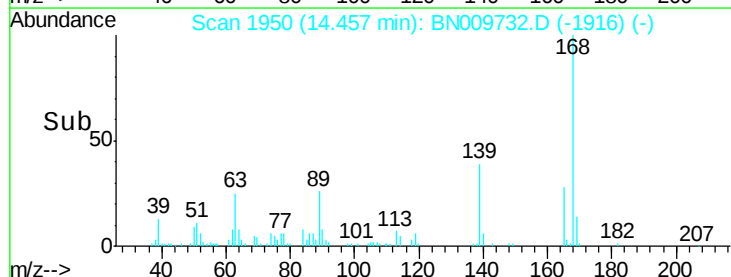
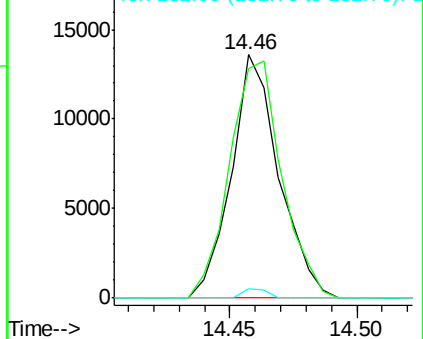
182 3.9 2.2 3.4#

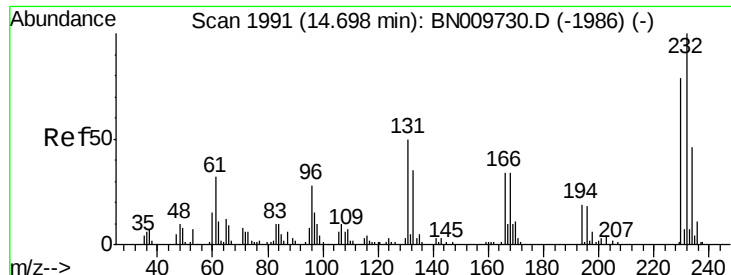


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BN0

Ion 182.00 (181.70 to 182.70): E





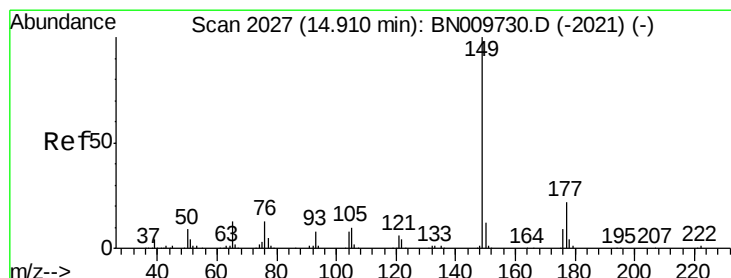
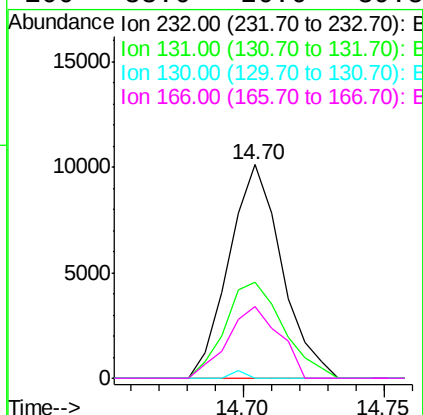
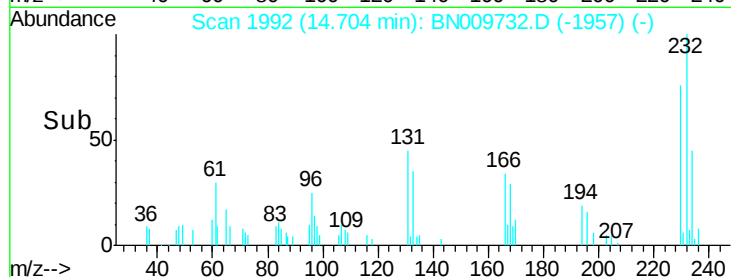
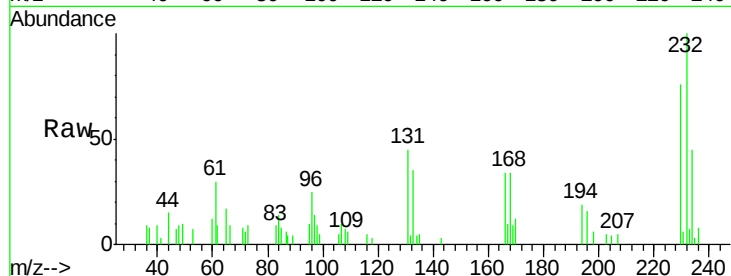
#56  
2,3,4,6-Tetrachlorophenol  
Concen: 2.830 ng/ul  
RT: 14.70 min Scan# 1992  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.1  | 40.6  | 60.8  |
| 130     | 0.0   | 2.2   | 3.4   |
| 166     | 33.6  | 26.6  | 39.8  |

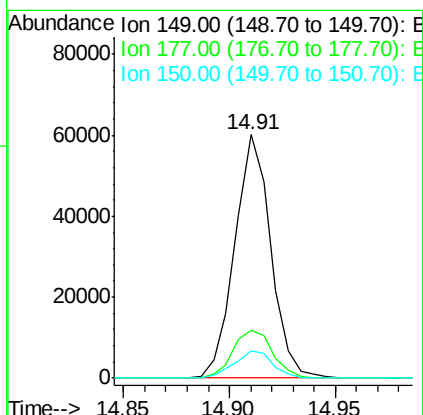
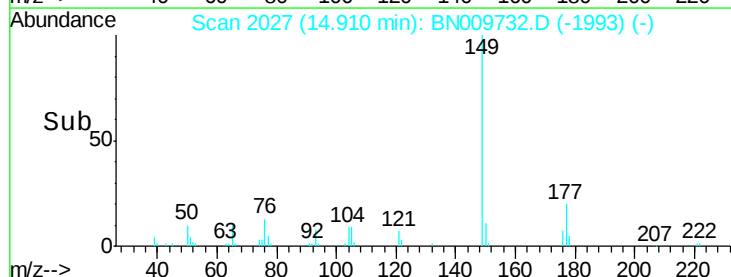
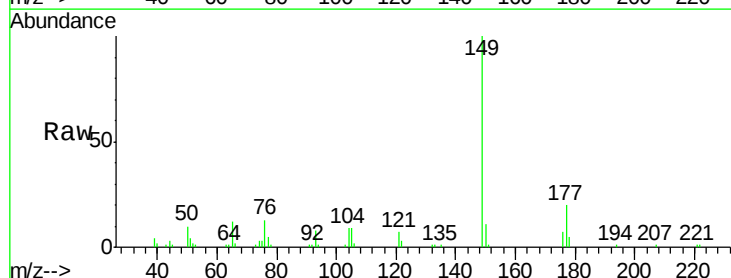
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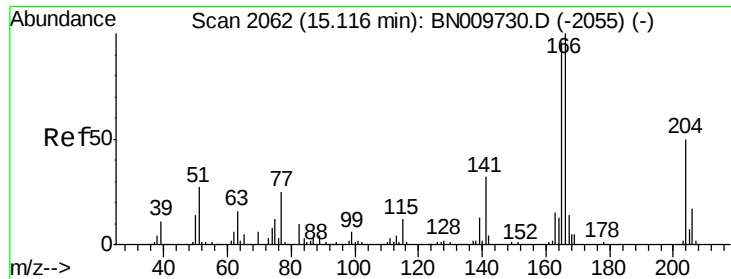
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#57  
Diethylphthalate  
Concen: 3.314 ng/ul  
RT: 14.91 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 19.7  | 17.8  | 26.6  |
| 150     | 11.3  | 9.8   | 14.6  |





#59

Fluorene

Concen: 3.434 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:166 Resp: 70824

Ion Ratio Lower Upper

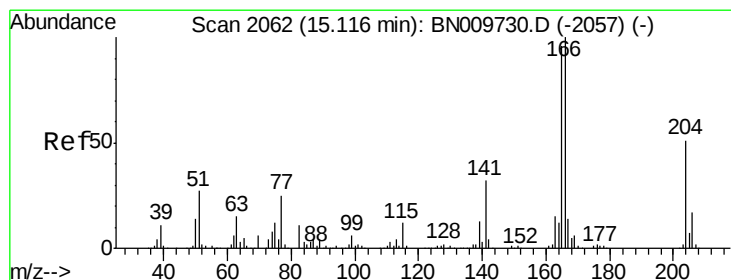
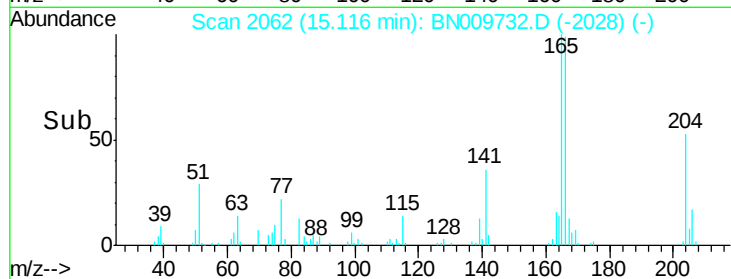
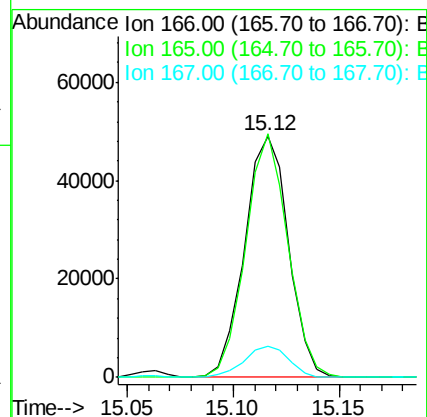
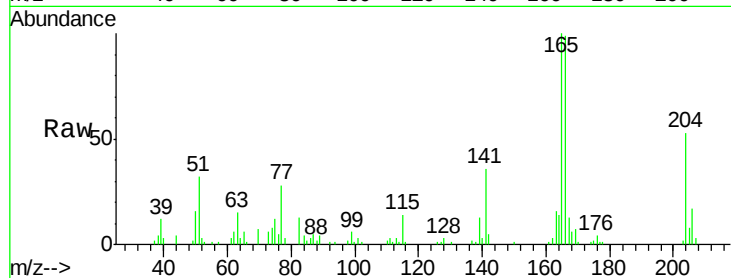
166 100

165 100.9 79.8 119.8

167 13.1 10.7 16.1

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#60

4-Chlorophenyl-phenylether

Concen: 3.506 ng/ul

RT: 15.12 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

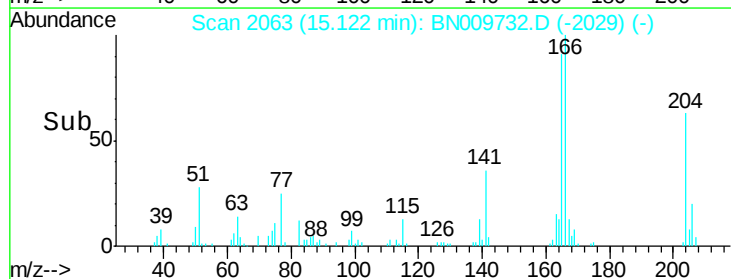
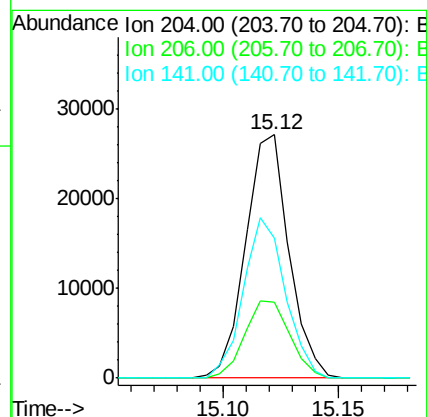
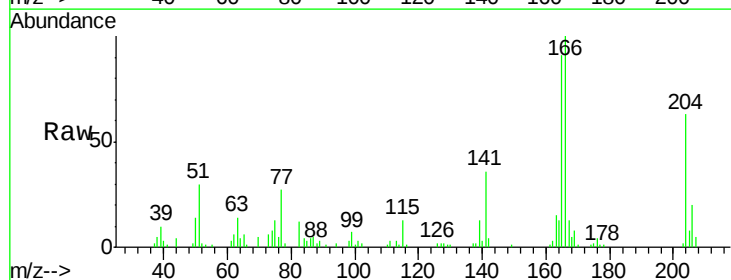
Tgt Ion:204 Resp: 35658

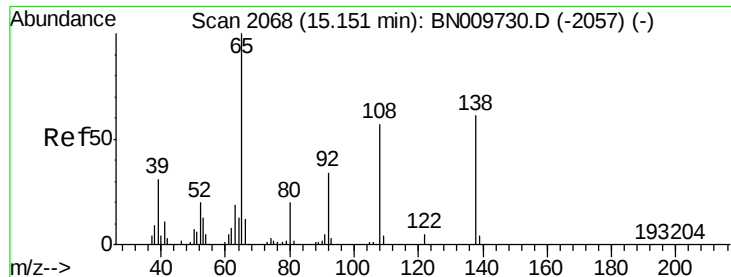
Ion Ratio Lower Upper

204 100

206 31.3 26.5 39.7

141 57.3 48.8 73.2





#61

4-Nitroaniline

Concen: 2.059 ng/ul

RT: 15.17 min Scan# 2071

Delta R.T. 0.02 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

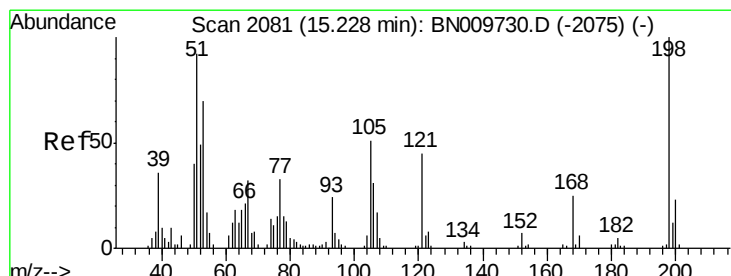
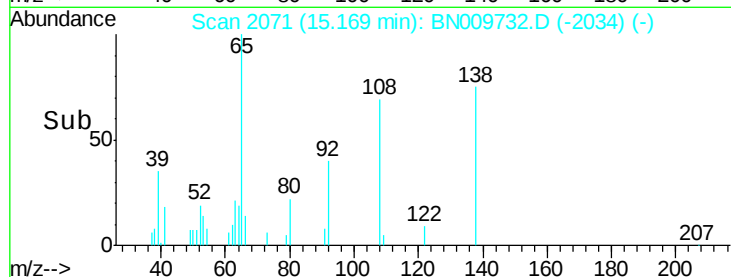
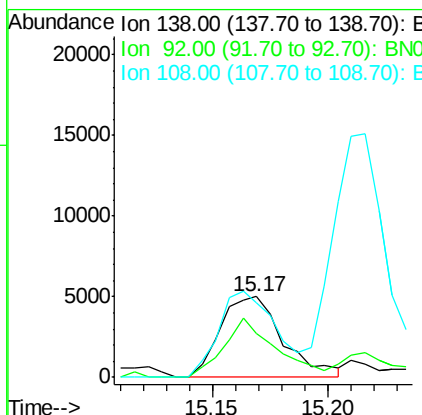
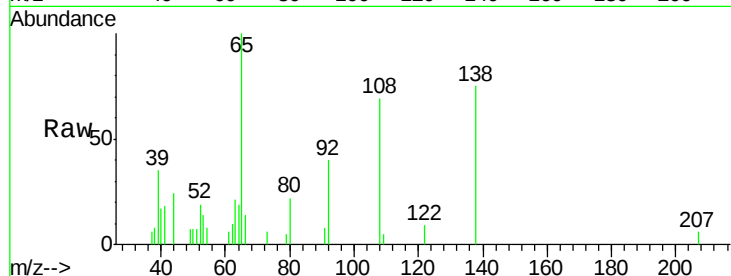
ClientSampleId :

MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.9  | 47.8  | 71.6  |
| 108     | 92.1  | 72.3  | 108.5 |

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#64

4,6-Dinitro-2-methylphenol

Concen: 2.879 ng/ul

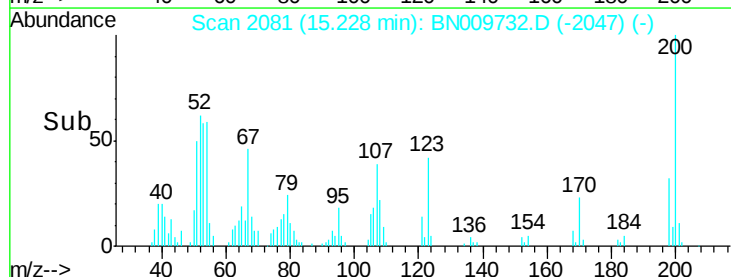
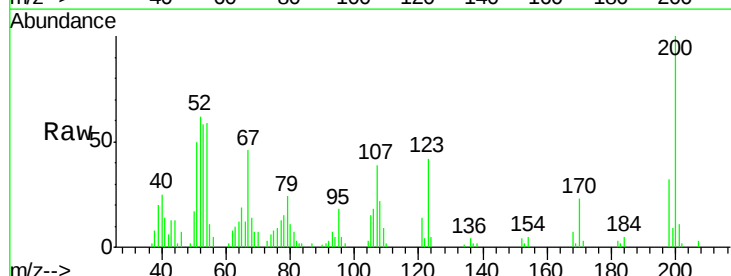
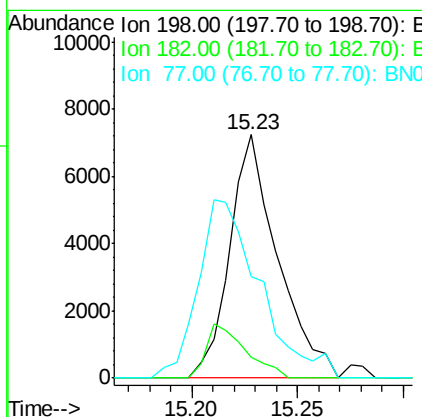
RT: 15.23 min Scan# 2081

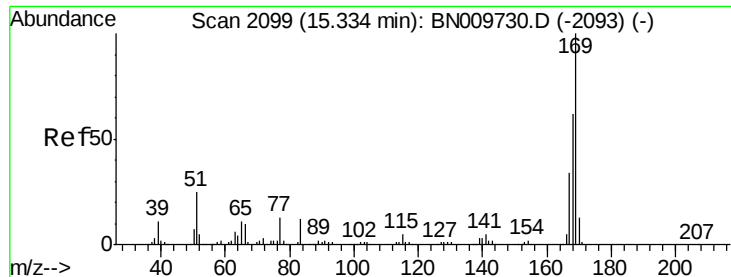
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 182     | 8.4   | 3.7   | 5.5#  |
| 77      | 41.6  | 25.1  | 37.7# |





#65

N-Nitrosodiphenylamine

Concen: 3.310 ng/ul

RT: 15.33 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

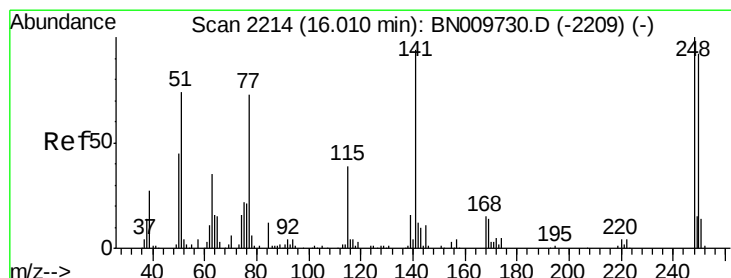
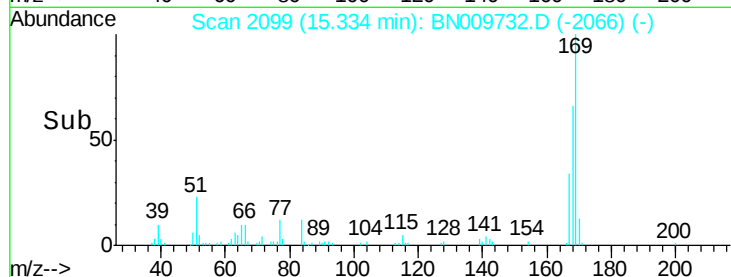
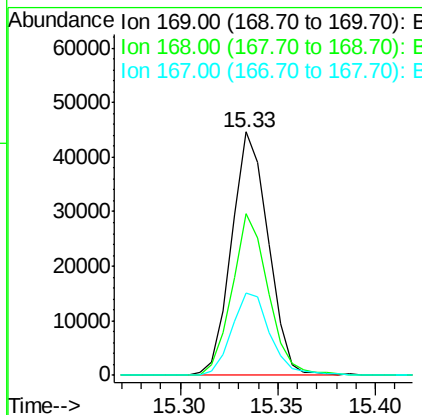
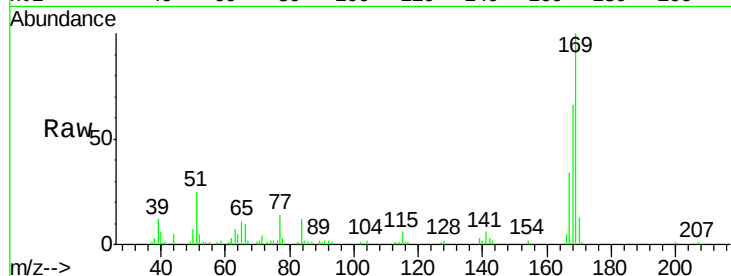
ClientSampleId :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 169   | Resp: | 58141 |
| Ion Ratio | Lower | Upper |       |
| 169       | 100   |       |       |
| 168       | 66.3  | 51.8  | 77.6  |
| 167       | 34.1  | 27.7  | 41.5  |

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#66

4-Bromophenyl-phenylether

Concen: 3.259 ng/ul

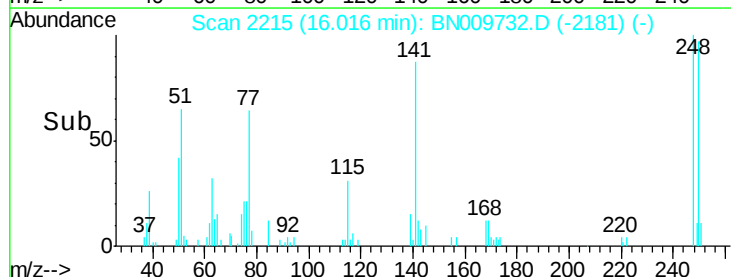
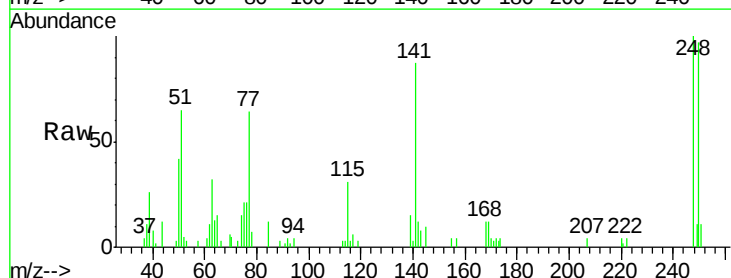
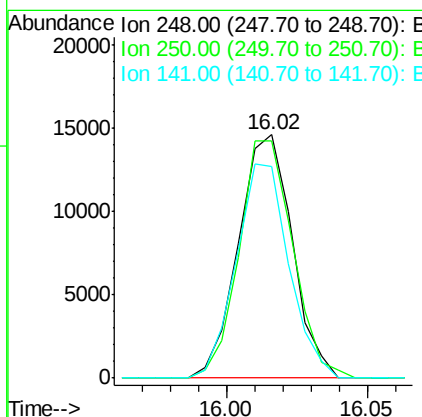
RT: 16.02 min Scan# 2215

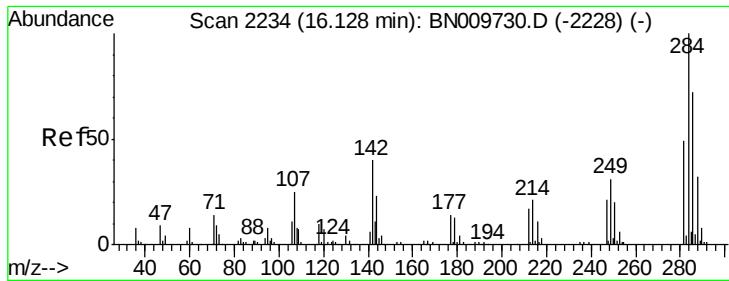
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 19309 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 97.5  | 81.4  | 122.0 |
| 141       | 87.0  | 66.9  | 100.3 |





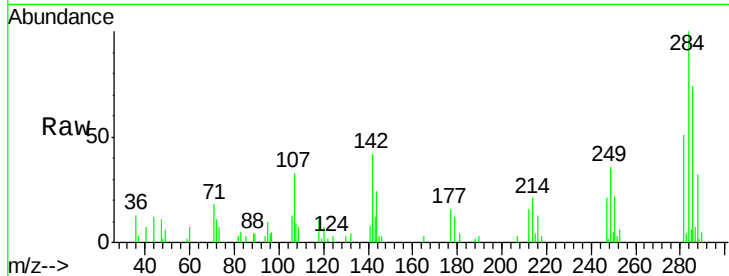
#67  
Hexachlorobenzene  
Concen: 3.311 ng/ul  
RT: 16.12 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

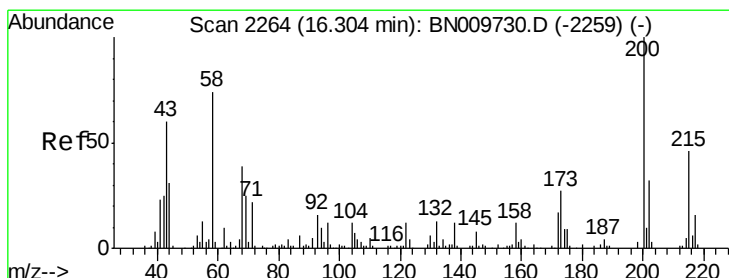
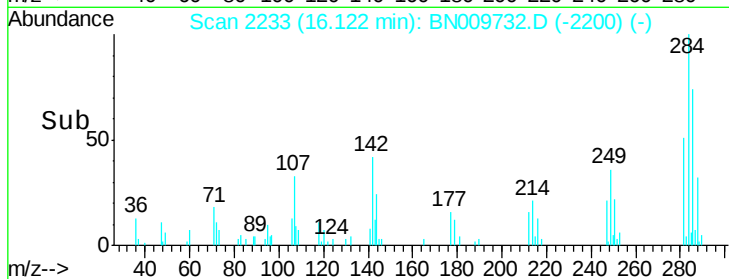
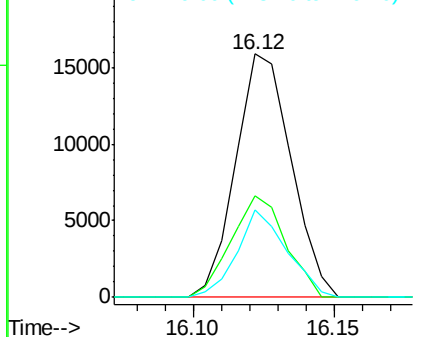
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 21705 |       |       |
| 142     | 39.1  |       | 34.4  | 51.6  |
| 249     | 38.5  |       | 29.7  | 44.5  |

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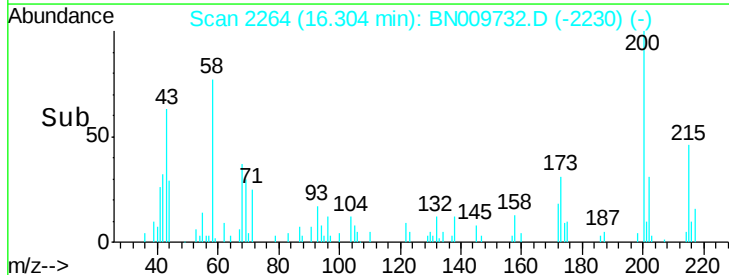
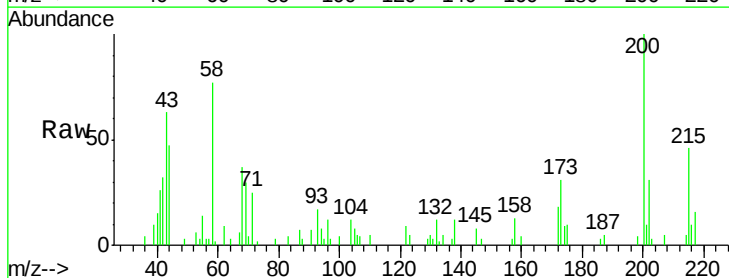
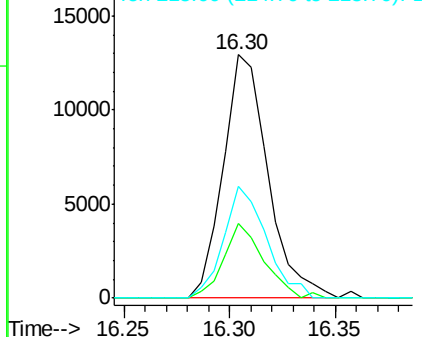
Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

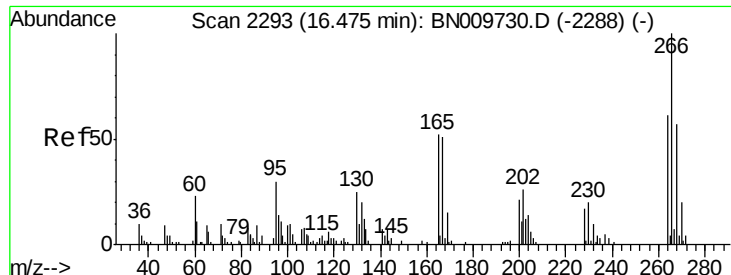


#68  
Atrazine  
Concen: 2.853 ng/ul  
RT: 16.30 min Scan# 2264  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 19014 |       |       |
| 173     | 30.5  |       | 22.1  | 33.1  |
| 215     | 45.8  |       | 41.6  | 62.4  |

Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





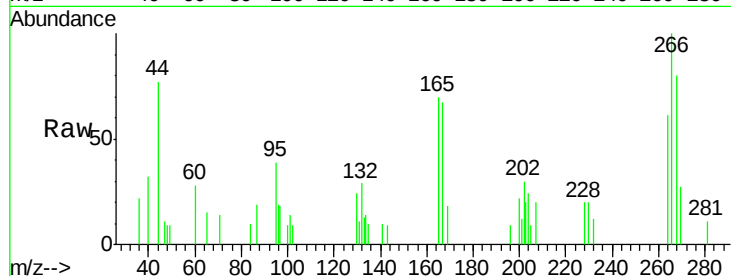
#69  
 Pentachlorophenol  
 Concen: 1.861 ng/ul m  
 RT: 16.49 min Scan# 2295  
 Delta R.T. 0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

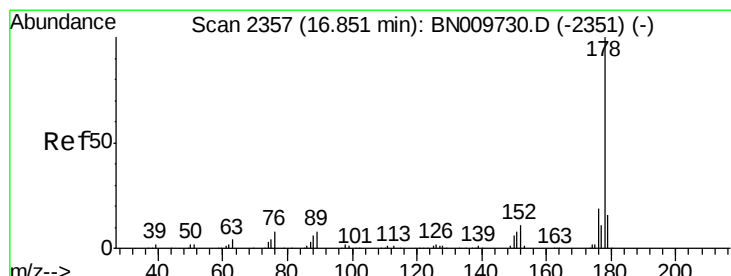
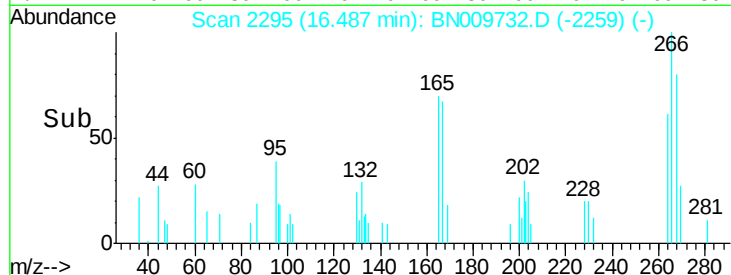
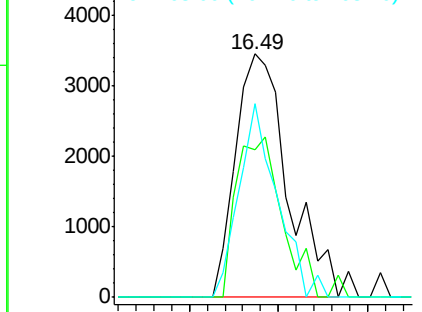
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.8  | 52.9  | 79.3  |
| 268     | 79.7  | 52.5  | 78.7  |

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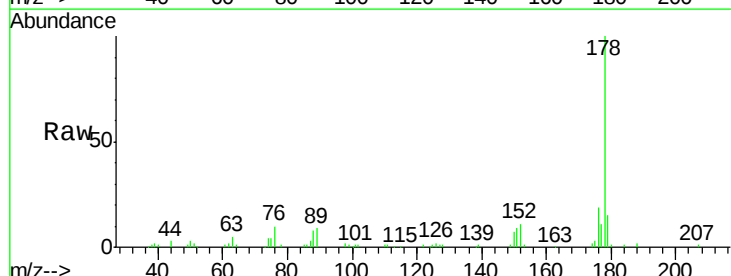


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E

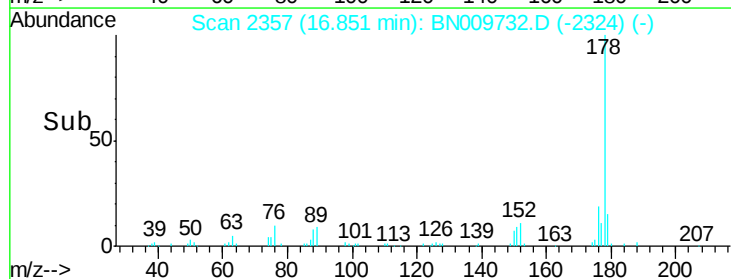
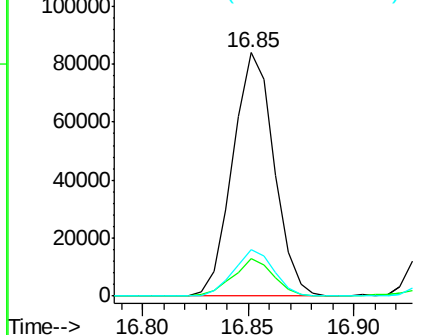


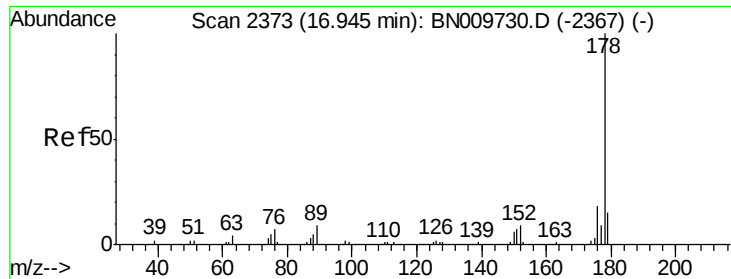
#70  
 Phenanthrene  
 Concen: 3.373 ng/ul  
 RT: 16.85 min Scan# 2357  
 Delta R.T. -0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.3  | 12.5  | 18.7  |
| 176     | 19.1  | 14.6  | 22.0  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.324 ng/uL

RT: 16.95 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

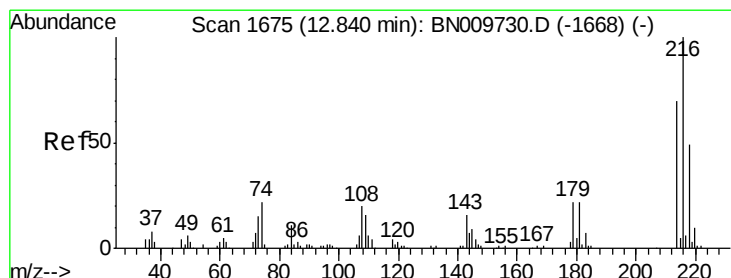
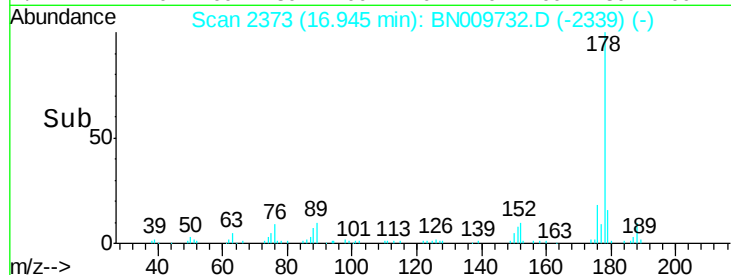
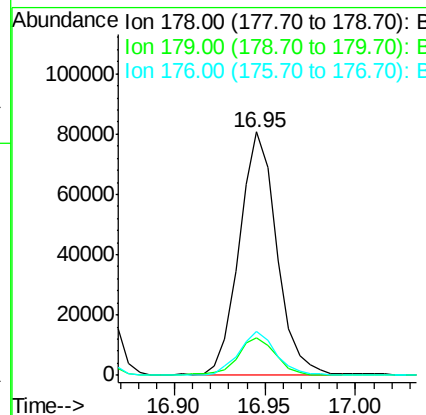
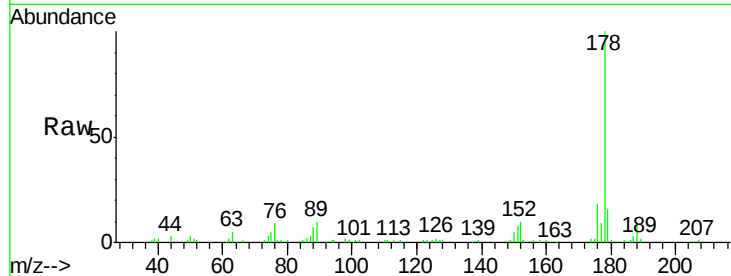
ClientSampled :

MDL-SOIL-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 114820 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.6  | 12.2  | 18.2   |
| 176       | 18.2  | 14.6  | 21.8   |

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.543 ng/uL

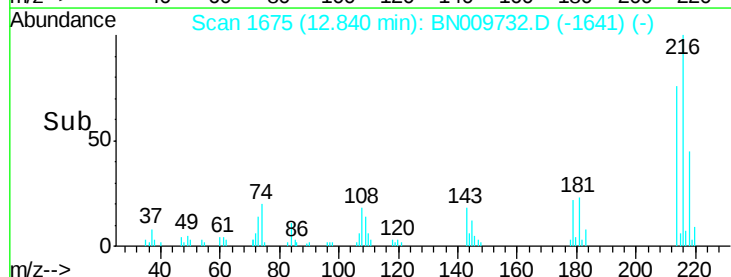
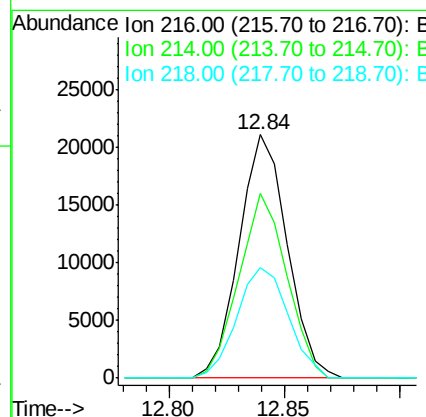
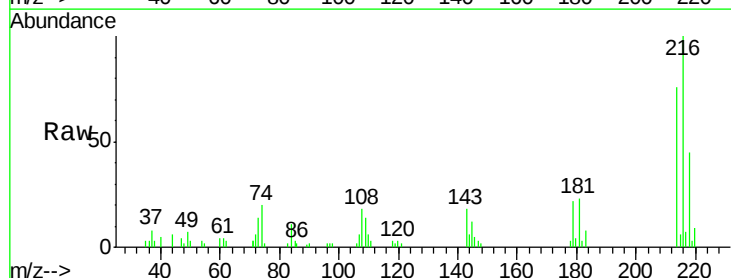
RT: 12.84 min Scan# 1675

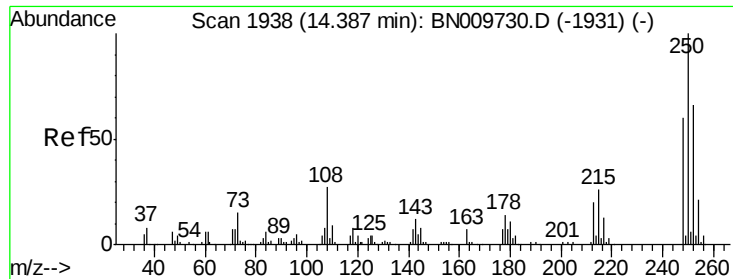
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 30643 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 75.9  | 66.8  | 100.2 |
| 218       | 45.5  | 39.1  | 58.7  |





#74

Pentachlorobenzene

Concen: 3.307 ng/uL

RT: 14.39 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

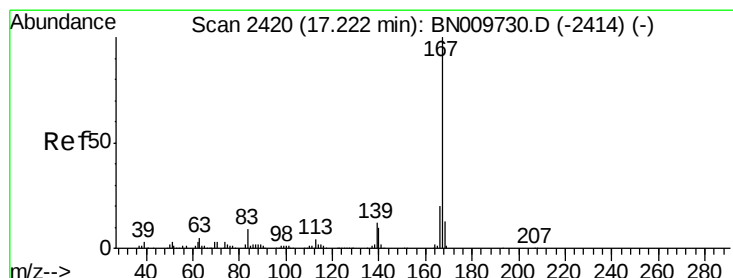
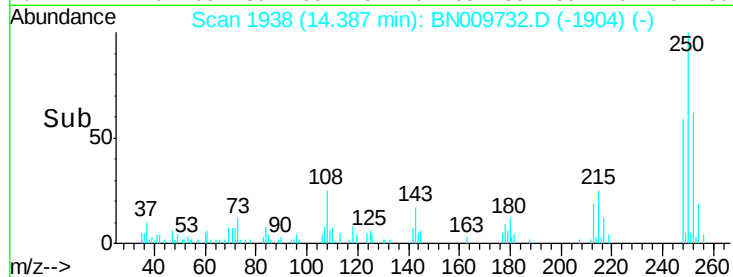
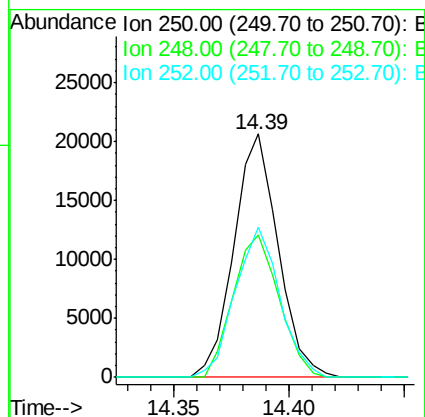
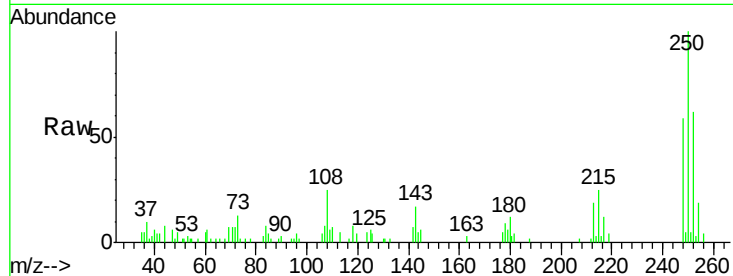
ClientSampled :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 250   | Resp: | 27587 |
| Ion Ratio | Lower | Upper |       |
| 250       | 100   |       |       |
| 248       | 58.6  | 49.4  | 74.0  |
| 252       | 61.8  | 51.8  | 77.6  |

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#75

Carbazole

Concen: 2.800 ng/uL

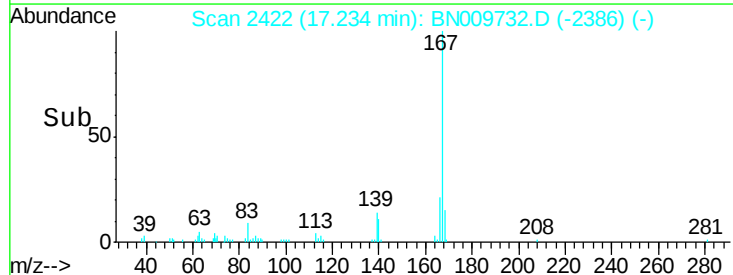
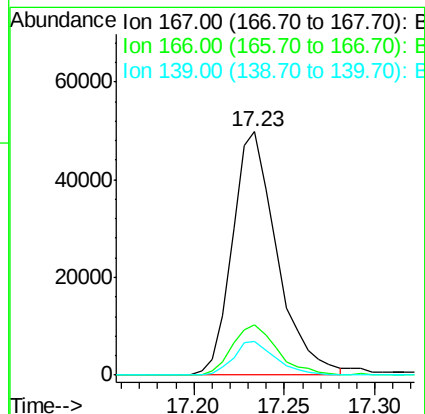
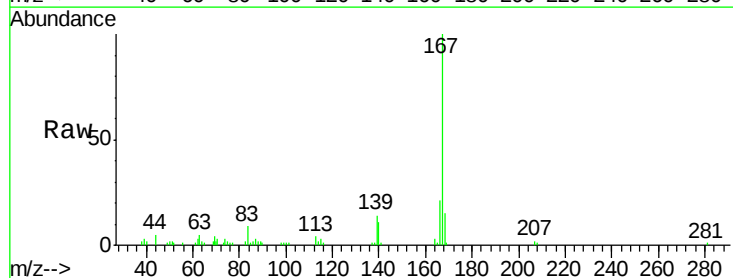
RT: 17.23 min Scan# 2422

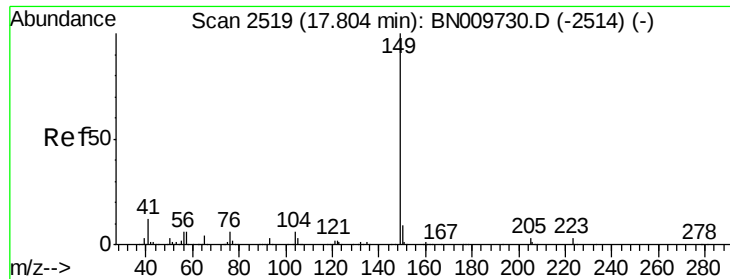
Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 167   | Resp: | 85182 |
| Ion Ratio | Lower | Upper |       |
| 167       | 100   |       |       |
| 166       | 20.6  | 16.6  | 24.8  |
| 139       | 14.1  | 9.9   | 14.9  |





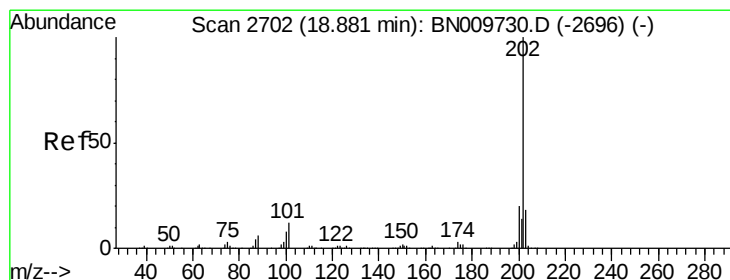
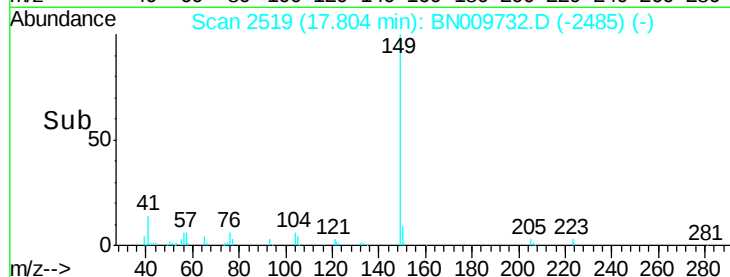
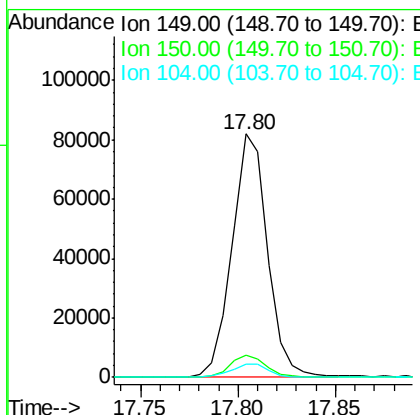
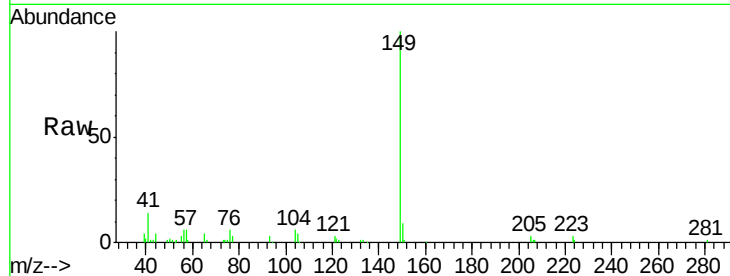
#76  
Di-n-butylphthalate  
Concen: 2.756 ng/ul  
RT: 17.80 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampled :  
MDL-SOIL-01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 9.2   | 7.0  | 10.6  |       |
| 104     | 5.6   | 4.3  | 6.5   |       |

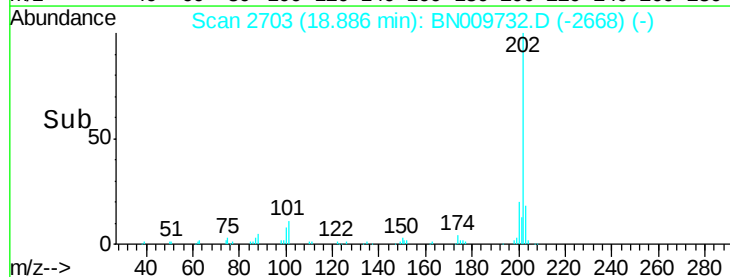
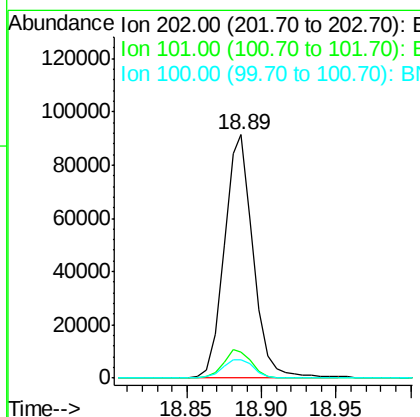
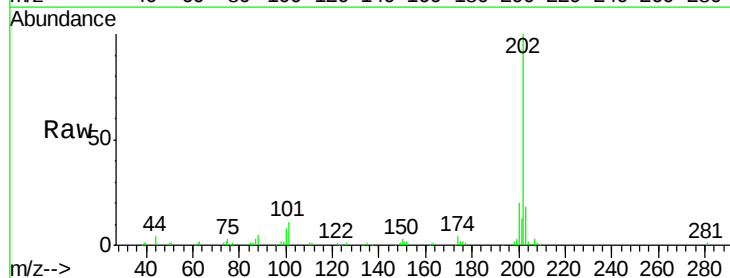
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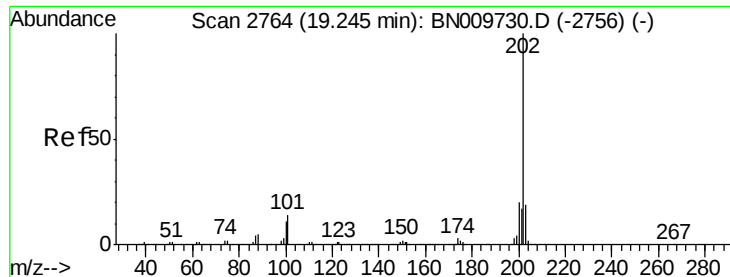
mohammad  
2/20/2020 7:56:18 AM



#77  
Fluoranthene  
Concen: 3.122 ng/ul  
RT: 18.89 min Scan# 2703  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 10.7  | 9.4  | 14.2  |       |
| 100     | 7.7   | 7.2  | 10.8  |       |





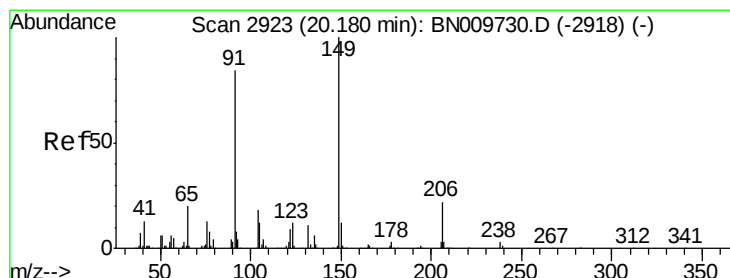
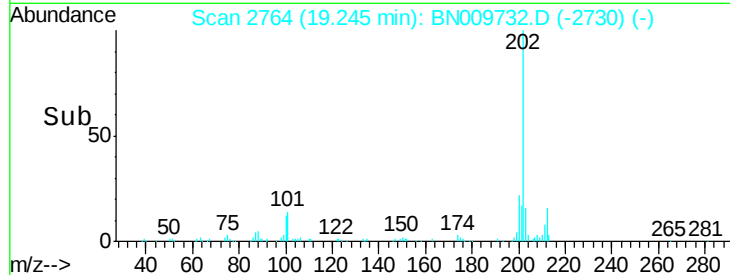
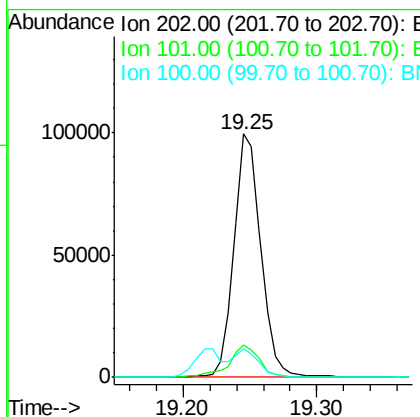
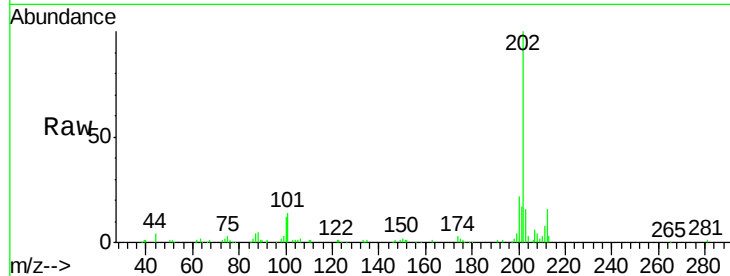
#80  
Pvrene  
Concen: 3.384 ng/ul  
RT: 19.25 min Scan# 2764  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 140194 |       |       |
| 101     | 13.6  | 11.3   | 16.9  |       |
| 100     | 11.8  | 9.0    | 13.6  |       |

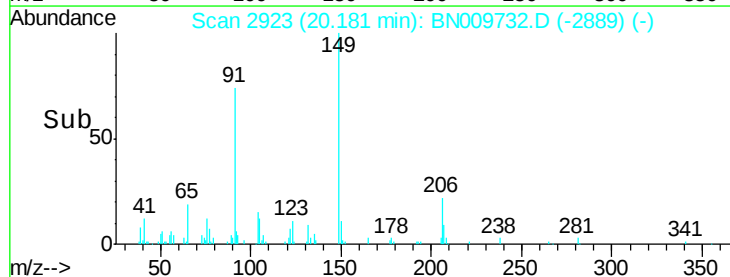
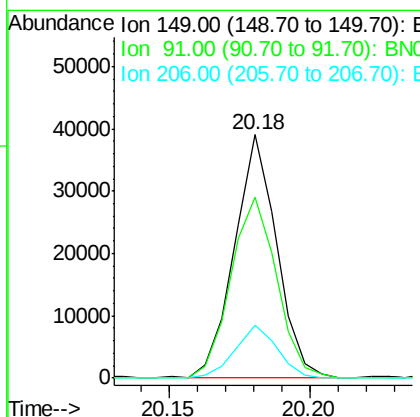
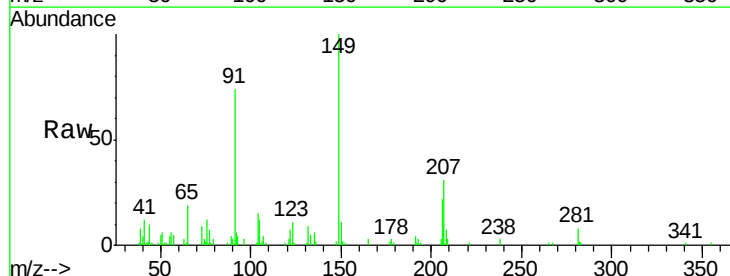
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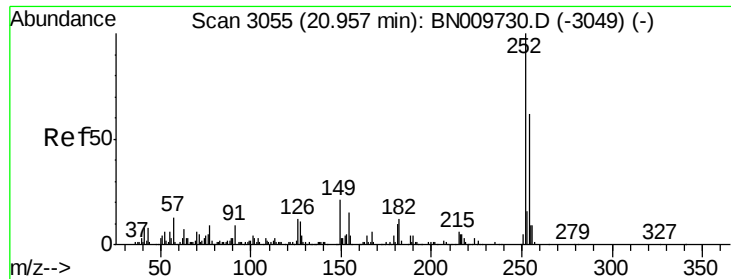
mohammad  
2/20/2020 7:56:18 AM



#81  
Butylbenzylphthalate  
Concen: 2.388 ng/ul  
RT: 20.18 min Scan# 2923  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 40672 |       |       |
| 91      | 74.4  | 65.5  | 98.3  |       |
| 206     | 21.8  | 15.9  | 23.9  |       |





#82

3,3'-Dichlorobenzidine

Concen: 2.783 ng/ul

RT: 20.96 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

Instrument :

BNA\_N

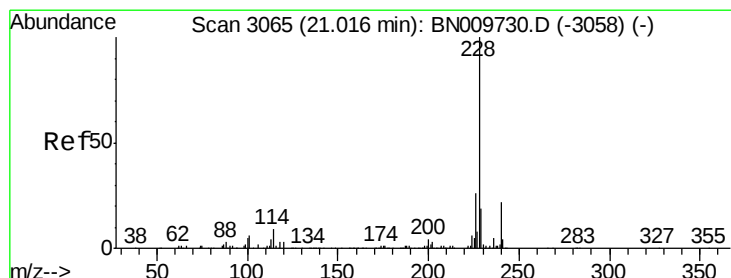
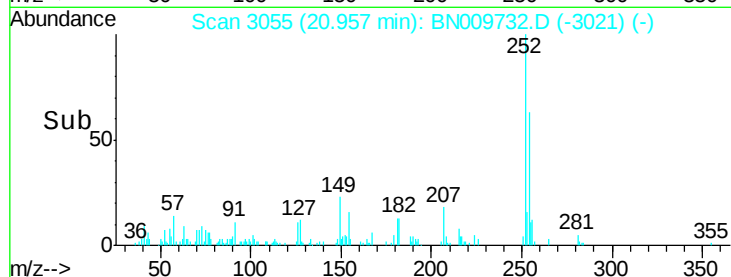
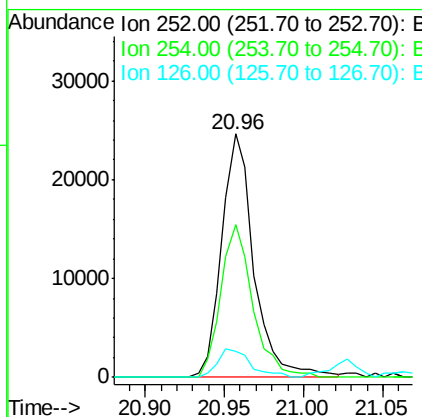
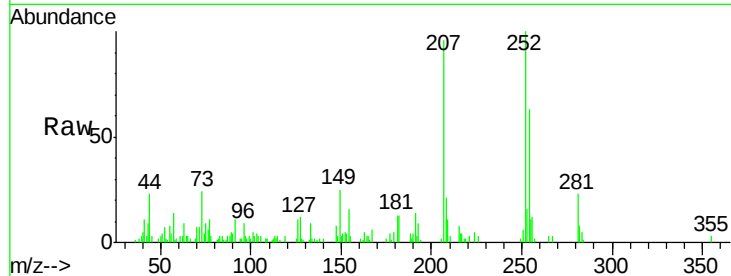
ClientSampleId :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 34875 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 63.0  | 49.3  | 73.9  |
| 126       | 10.7  | 8.8   | 13.2  |

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#83

Benzo(a)anthracene

Concen: 3.228 ng/ul

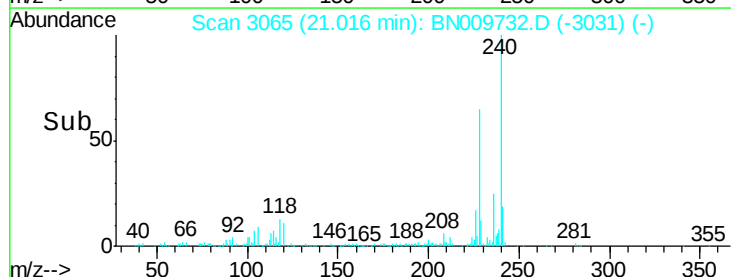
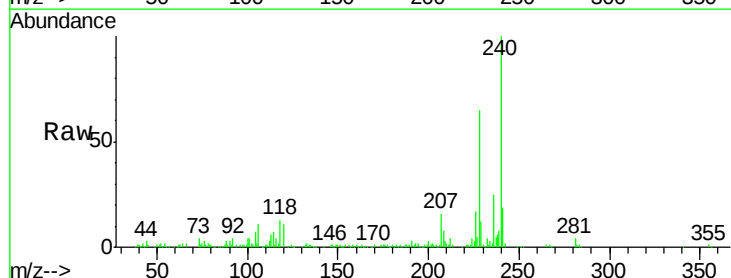
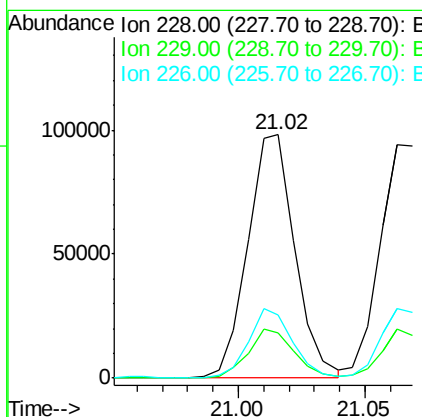
RT: 21.02 min Scan# 3065

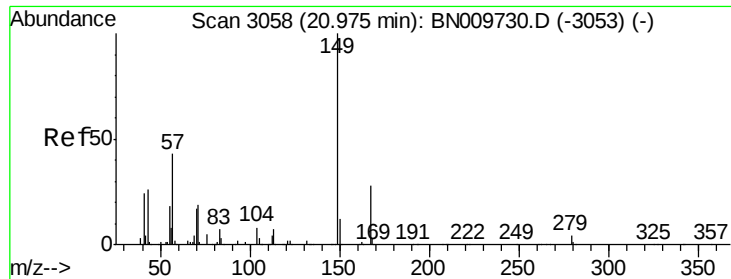
Delta R.T. 0.00 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 127481 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 18.4  | 15.0  | 22.4   |
| 226       | 26.0  | 21.4  | 32.2   |





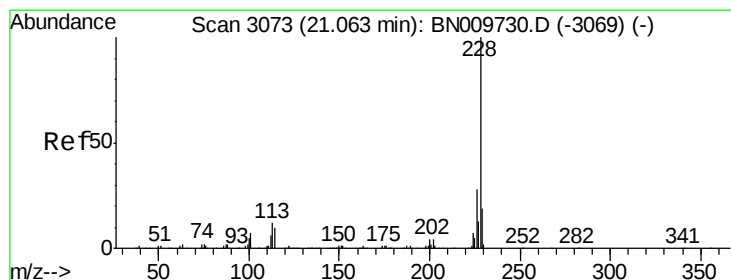
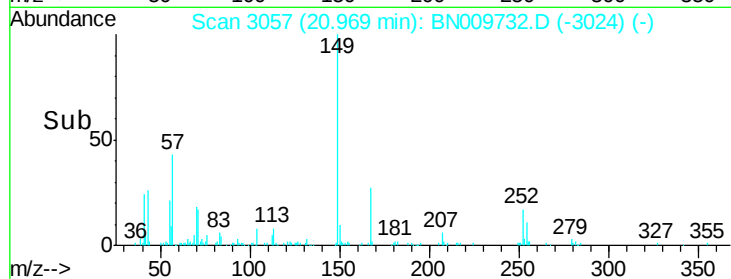
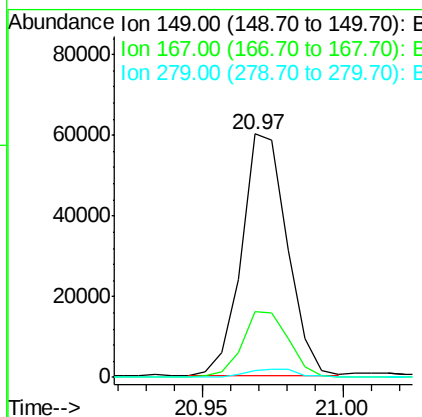
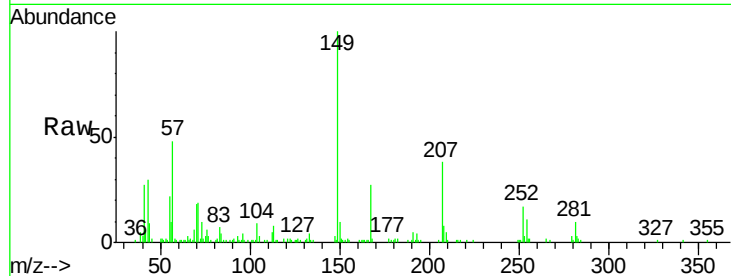
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.582 ng/ul  
 RT: 20.97 min Scan# 3057  
 Delta R.T. -0.01 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.1  | 21.0  | 31.6  |
| 279     | 3.0   | 3.0   | 4.6   |

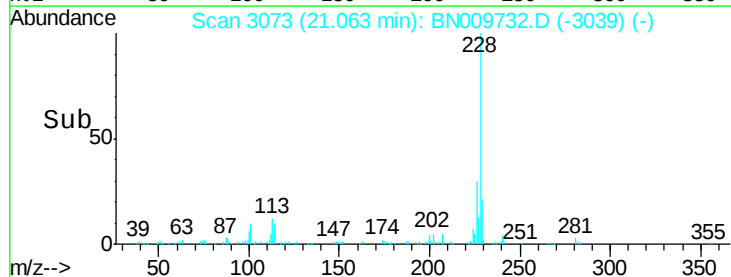
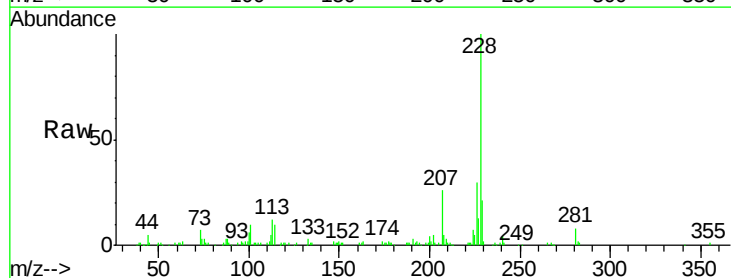
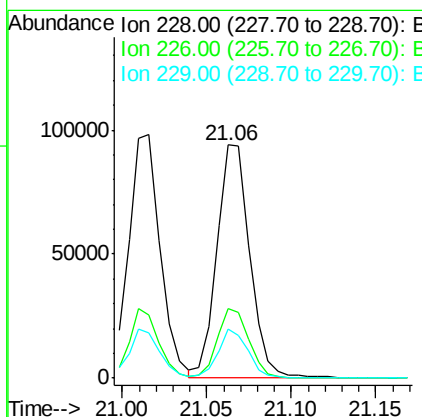
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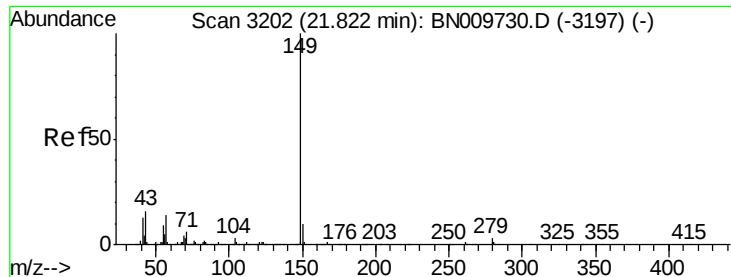
mohammad  
 2/20/2020 7:56:18 AM



#85  
 Chrysene  
 Concen: 3.271 ng/ul  
 RT: 21.06 min Scan# 3073  
 Delta R.T. 0.00 min  
 Lab File: BN009732.D  
 Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 23.4  | 35.2  |
| 229     | 20.8  | 15.0  | 22.4  |





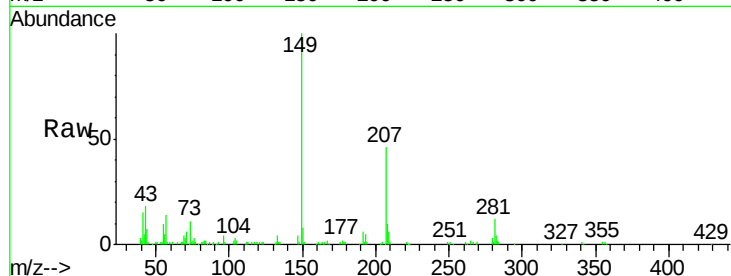
#87  
Di-n-octyl phthalate  
Concen: 2.350 ng/ul  
RT: 21.82 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampled :  
MDL-SOIL-01

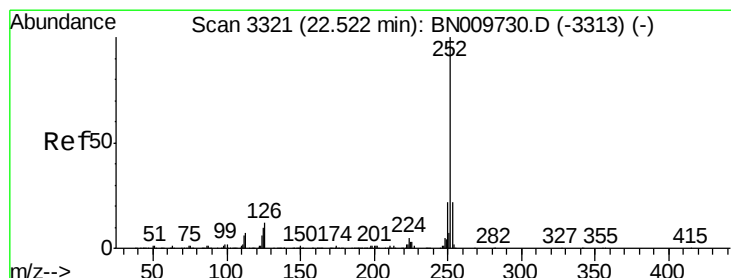
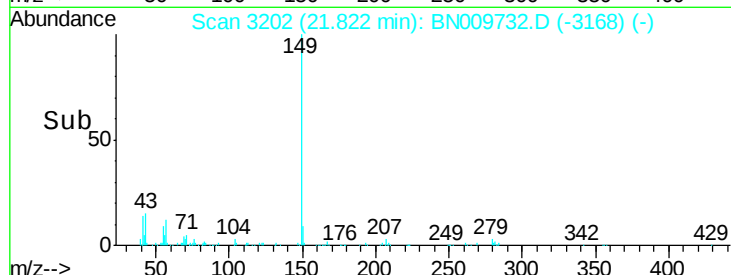
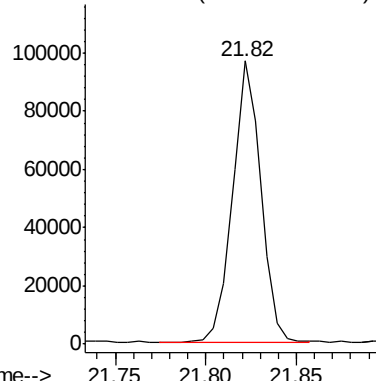
Tgt Ion:149 Resp: 105097

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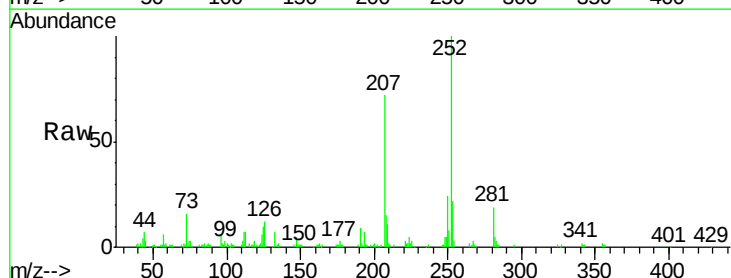


Abundance Ion 149.00 (148.70 to 149.70): E

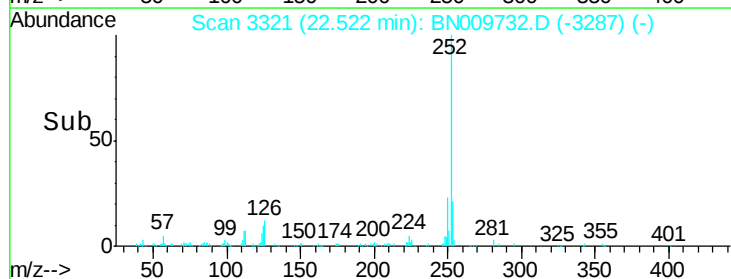
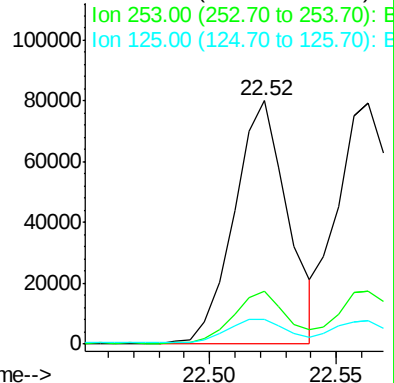


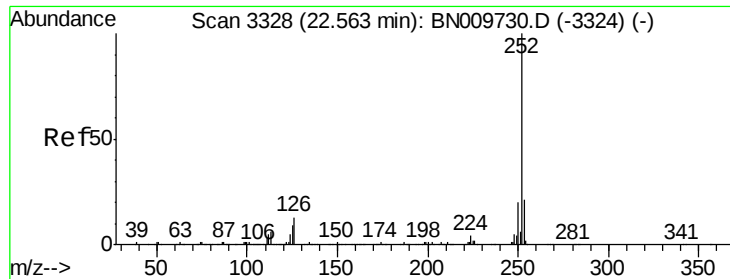
#88  
Benzo(b)fluoranthene  
Concen: 3.089 ng/ul  
RT: 22.52 min Scan# 3321  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Tgt Ion:252 Resp: 118377  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.0 25.4  
125 10.0 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E





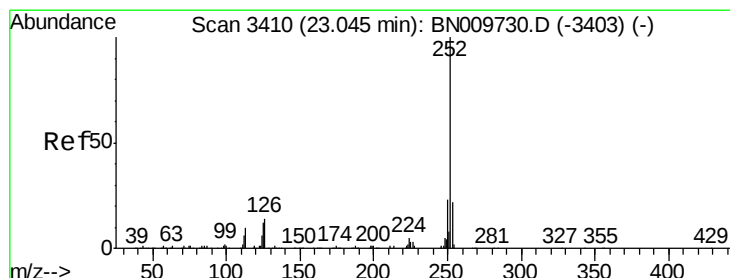
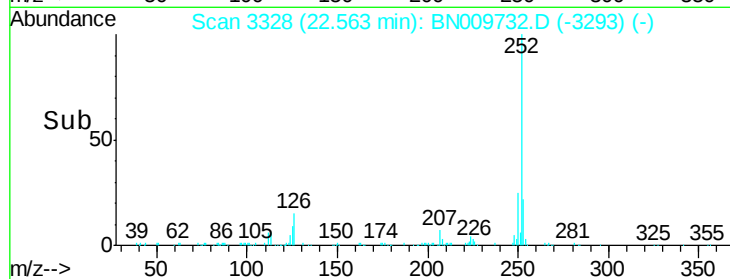
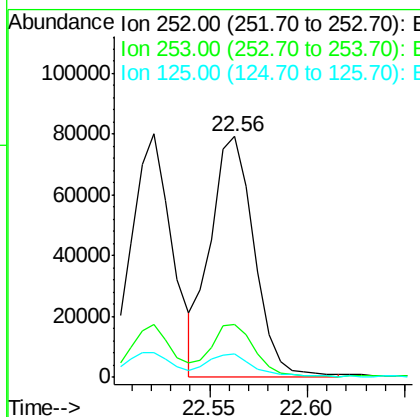
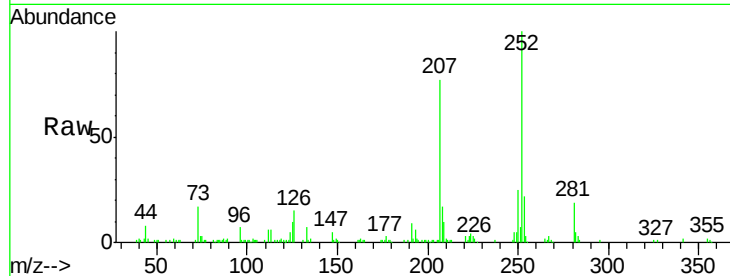
#89  
Benzo(k)fluoranthene  
Concen: 3.414 ng/ul  
RT: 22.56 min Scan# 3328  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampled :  
MDL-SOIL-01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.1  | 18.0       | 27.0  |
| 125     | 9.8   | 8.2        | 12.2  |

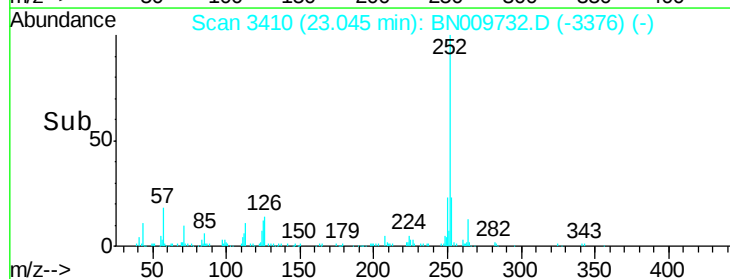
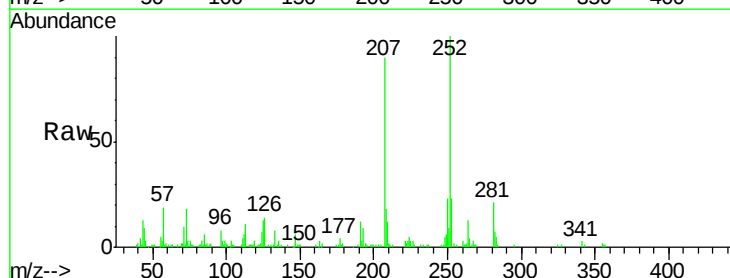
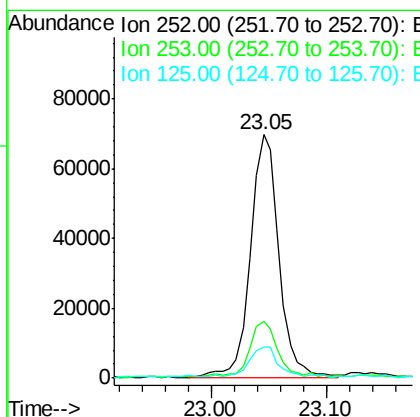
Manual Integrations  
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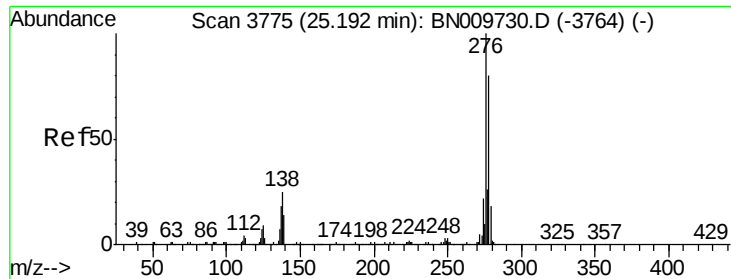
mohammad  
2/20/2020 7:56:18 AM



#91  
Benzo(a)pyrene  
Concen: 3.510 ng/ul  
RT: 23.05 min Scan# 3410  
Delta R.T. 0.00 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 23.5  | 17.4       | 26.0  |
| 125     | 12.7  | 9.0        | 13.6  |





#92

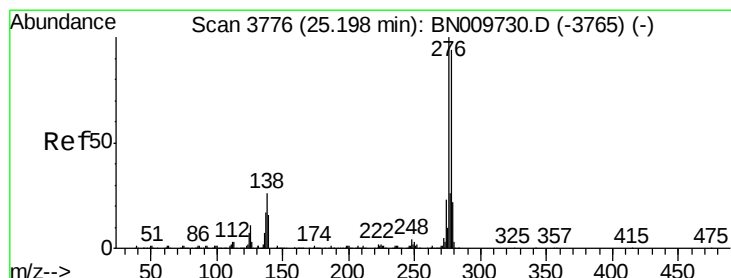
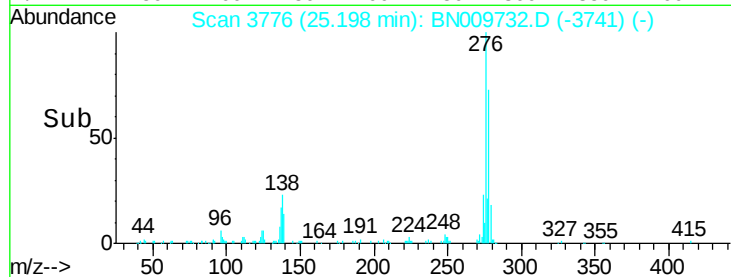
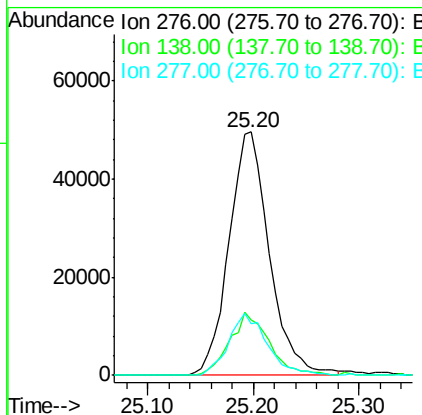
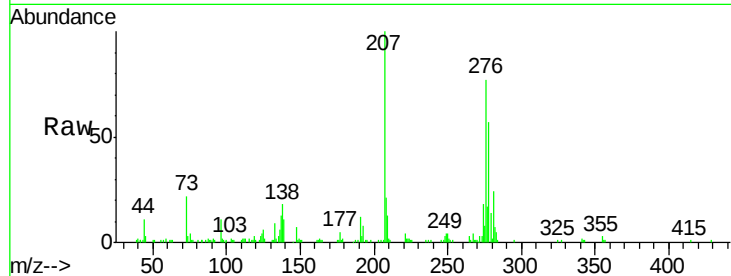
Indeno(1,2,3-cd)pyrene  
Concen: 3.208 ng/ul  
RT: 25.20 min Scan# 3776  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 23.0  | 20.9  | 31.3  |
| 277     | 21.4  | 18.2  | 27.4  |

Manual Integrations  
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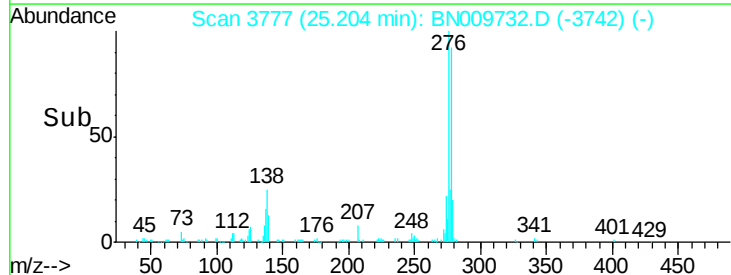
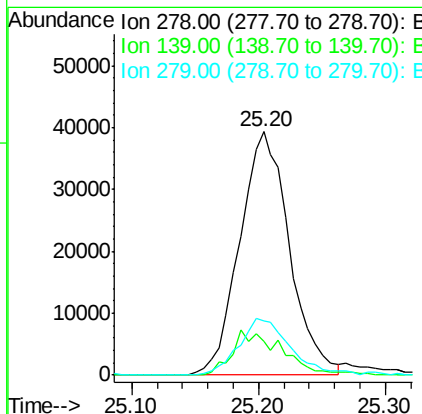
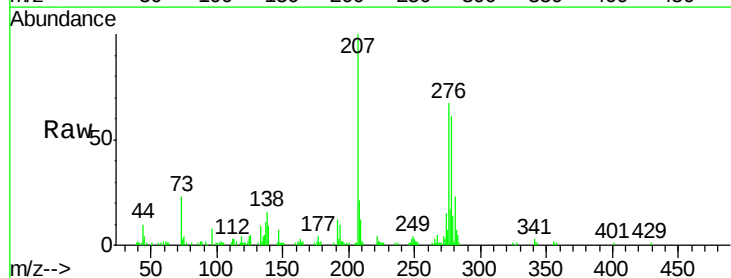
mohammad  
2/20/2020 7:56:18 AM

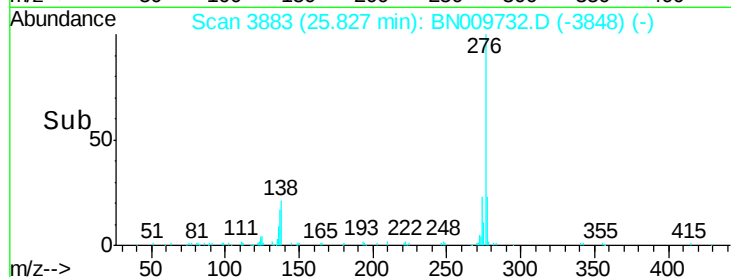
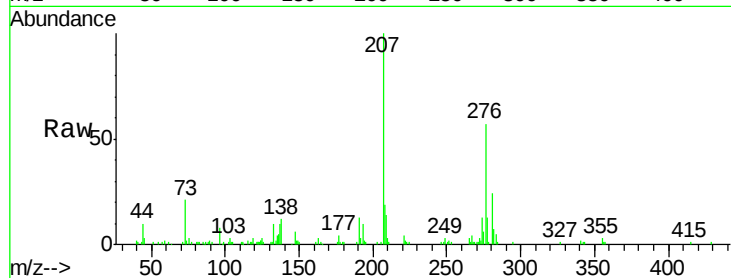
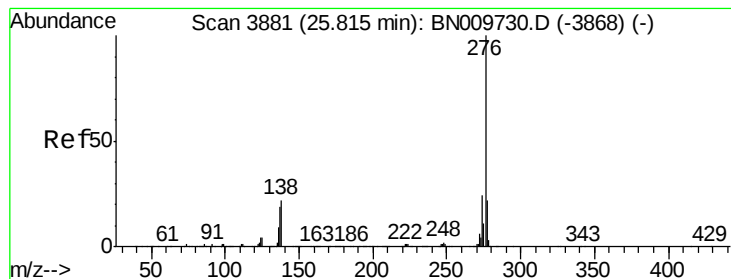


#93

Dibenzo(a,h)anthracene  
Concen: 3.058 ng/ul  
RT: 25.20 min Scan# 3777  
Delta R.T. 0.01 min  
Lab File: BN009732.D  
Acq: 17 Feb 2020 11:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.9  | 13.0  | 19.4  |
| 279     | 22.2  | 17.5  | 26.3  |





#94

Benzo(a,h,i)perylene

Concen: 3.151 ng/ul

RT: 25.83 min Scan# 3883

Delta R.T. 0.01 min

Lab File: BN009732.D

Acq: 17 Feb 2020 11:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 108104 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 20.9  | 17.5  | 26.3   |
| 277       | 23.4  | 18.1  | 27.1   |

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-01

Manual Integrations  
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mohammad  
2/20/2020 7:56:18 AM

