

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032117\  
 Data File : BG026361.D  
 Acq On : 21 Mar 2017 16:45  
 Operator : SJ/MA  
 Sample : I2296-01  
 Misc : LOD 1 PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

Manual Integrations  
 APPROVED

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 3/23/2017 3:31:48 PM

Quant Time: Mar 23 13:13:23 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.05  | 152  | 118463   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.84 | 136  | 510944   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.65 | 164  | 298140   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.38 | 188  | 712491   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.63 | 240  | 866215   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.81 | 264  | 837013   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.61  | 112 | 892227  | 133.68 | ng | 0.00 |
| 7) Phenol-d6                | 7.21  | 99  | 1140722 | 127.31 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.20  | 82  | 705139  | 82.98  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330 | 508973  | 149.07 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.28 | 172 | 1961515 | 92.26  | ng | 0.00 |
| 78) Terphenyl-d14           | 19.98 | 244 | 2725245 | 76.41  | ng | 0.00 |

|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 6) Aniline                     | 7.37  | 93  | 11539  | 0.96 | ng | # 89   |
| 8) 2-Chlorophenol              | 7.62  | 128 | 8054   | 1.07 | ng | # 80   |
| 9) Benzaldehyde                | 7.19  | 77  | 7376   | 1.22 | ng | # 83   |
| 10) Phenol                     | 7.23  | 94  | 9804   | 1.03 | ng | # 92   |
| 11) bis(2-Chloroethyl)ether    | 7.47  | 93  | 7943   | 1.01 | ng | # 77   |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 9697   | 1.08 | ng | # 87   |
| 13) 1,4-Dichlorobenzene        | 8.08  | 146 | 10634m | 1.18 | ng |        |
| 14) 1,2-Dichlorobenzene        | 8.40  | 146 | 10368  | 1.20 | ng | 95     |
| 15) Benzyl Alcohol             | 8.29  | 79  | 4587   | 0.78 | ng | # 75   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57  | 45  | 7931   | 0.91 | ng | # 81   |
| 18) Hexachloroethane           | 9.13  | 117 | 3155   | 1.07 | ng | # 75   |
| 24) Nitrobenzene               | 9.25  | 77  | 8718   | 1.04 | ng | # 69   |
| 31) Naphthalene                | 10.90 | 128 | 28378  | 1.10 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.19 | 225 | 5510   | 1.15 | ng | 91     |
| 37) 2-Methylnaphthalene        | 12.50 | 142 | 20543  | 1.09 | ng | # 84   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 9773   | 1.09 | ng | # 96   |
| 45) 1,1'-Biphenyl              | 13.49 | 154 | 31102  | 1.26 | ng | 95     |
| 46) 2-Chloronaphthalene        | 13.53 | 162 | 19082  | 1.06 | ng | 93     |
| 47) 2-Nitroaniline             | 13.74 | 65  | 3839   | 0.75 | ng | # 71   |
| 48) Acenaphthylene             | 14.37 | 152 | 32330  | 1.03 | ng | 98     |
| 49) Dimethylphthalate          | 14.10 | 163 | 22985  | 1.02 | ng | 98     |
| 50) 2,6-Dinitrotoluene         | 14.22 | 165 | 4186   | 0.80 | ng | # 63   |
| 51) Acenaphthene               | 14.72 | 154 | 20480  | 1.06 | ng | 97     |
| 54) Dibenzofuran               | 15.05 | 168 | 29540  | 1.08 | ng | # 84   |
| 57) Fluorene                   | 15.70 | 166 | 26301  | 1.08 | ng | 93     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232 | 4929   | 0.87 | ng | 93     |
| 59) Diethylphthalate           | 15.45 | 149 | 22401  | 0.97 | ng | 95     |
| 62) Azobenzene                 | 15.97 | 77  | 16671  | 0.89 | ng | 75     |
| 65) n-Nitrosodiphenylamine     | 15.90 | 169 | 20827  | 1.00 | ng | 99     |
| 66) 4-Bromophenyl-phenylether  | 16.57 | 248 | 7959   | 1.09 | ng | 94     |
| 67) Hexachlorobenzene          | 16.70 | 284 | 9038   | 1.16 | ng | 95     |
| 68) Atrazine                   | 16.84 | 200 | 7386   | 0.93 | ng | 96     |
| 70) Phenanthrene               | 17.42 | 178 | 44137  | 1.15 | ng | # 91   |
| 71) Anthracene                 | 17.52 | 178 | 42031m | 1.08 | ng |        |

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| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 72) Carbazole                  | 17.79 | 167  | 39257    | 0.98 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.34 | 149  | 37538    | 0.91 | ng #  | 93       |
| 74) Fluoranthene               | 19.43 | 202  | 49613    | 1.10 | ng    | 90       |
| 77) Pyrene                     | 19.79 | 202  | 51315    | 1.02 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.66 | 149  | 17619    | 0.88 | ng #  | 81       |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 53539    | 1.10 | ng    | 93       |
| 82) Chrysene                   | 21.67 | 228  | 52693    | 1.13 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.51 | 149  | 28195    | 0.93 | ng    | 96       |
| 84) Di-n-octyl phthalate       | 22.70 | 149  | 44175    | 0.85 | ng #  | 84       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.42 | 276  | 57767    | 1.00 | ng #  | 87       |
| 87) Benzo(b)fluoranthene       | 23.80 | 252  | 51790    | 1.05 | ng #  | 92       |
| 88) Benzo(k)fluoranthene       | 23.87 | 252  | 52016    | 1.09 | ng #  | 90       |
| 89) Benzo(a)pyrene             | 24.66 | 252  | 49961    | 1.06 | ng #  | 91       |
| 90) Dibenzo(a,h)anthracene     | 28.49 | 278  | 50719    | 1.06 | ng #  | 97       |
| 91) Benzo(g,h,i)perylene       | 29.55 | 276  | 48951m   | 1.02 | ng    |          |

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

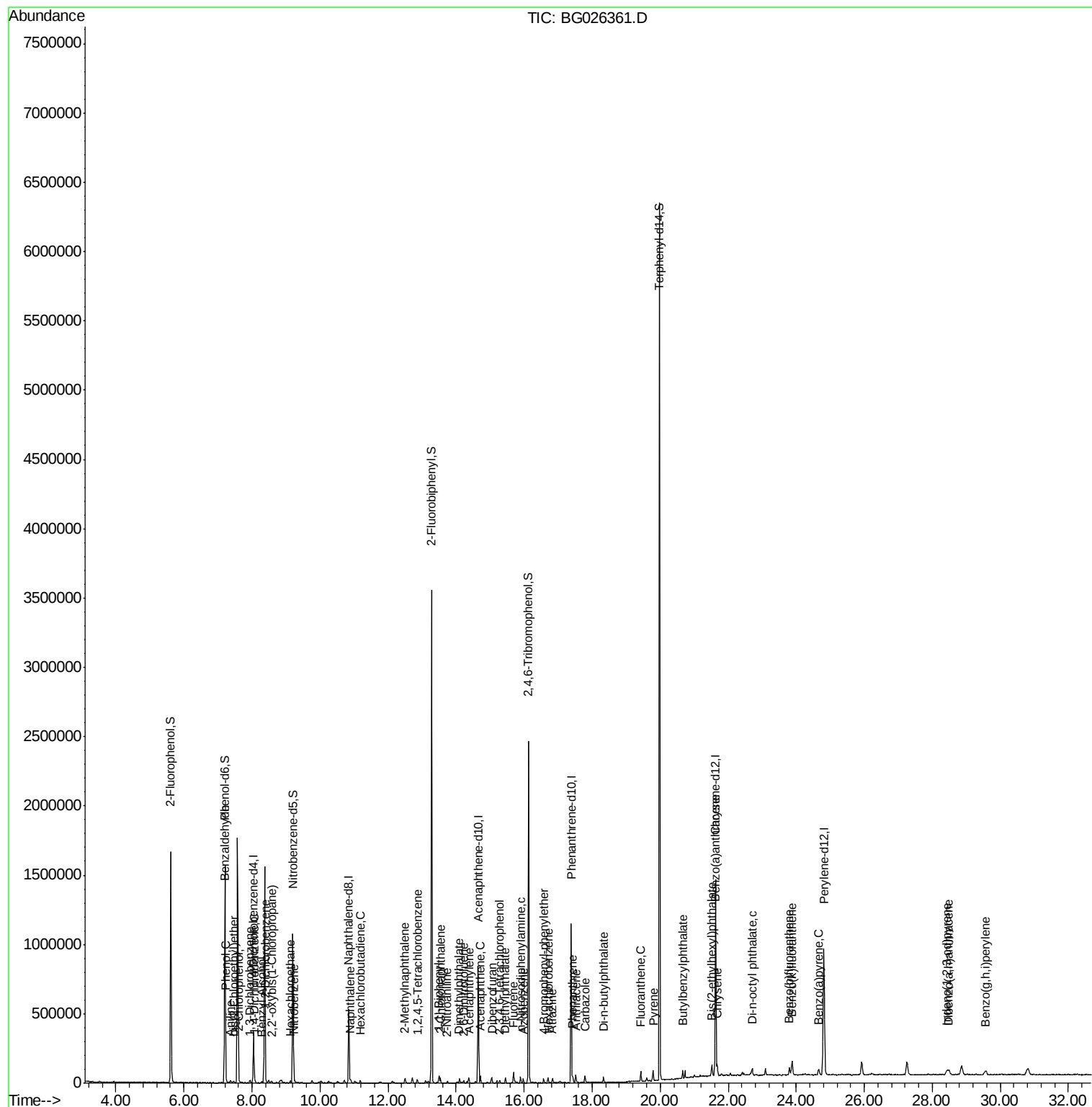
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032117\  
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ALS Vial : 10 Sample Multiplier: 1

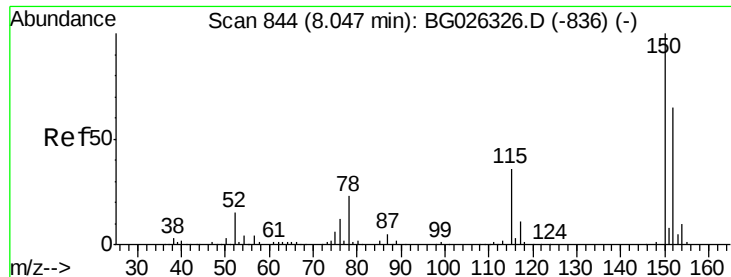
Instrument :  
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#1

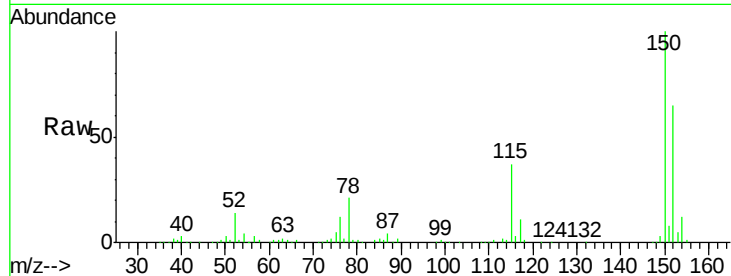
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

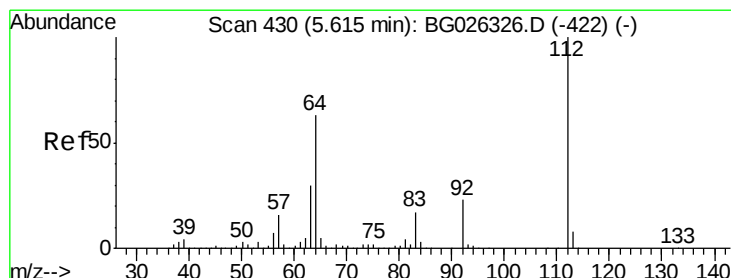
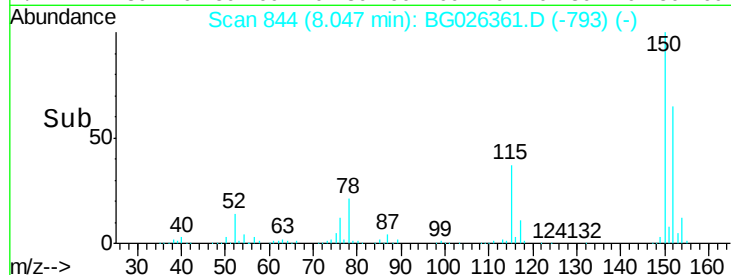
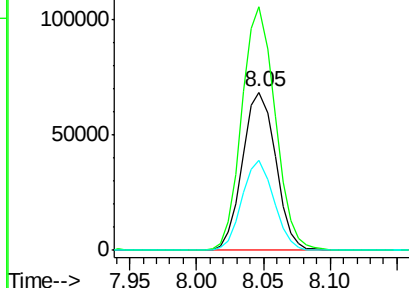
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.9 | 114.0 | 171.0 |
| 115     | 57.0  | 48.1  | 72.1  |

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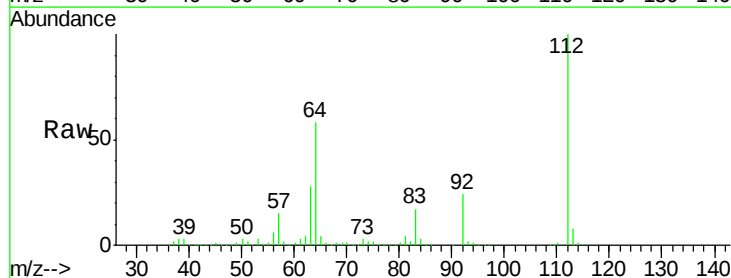
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



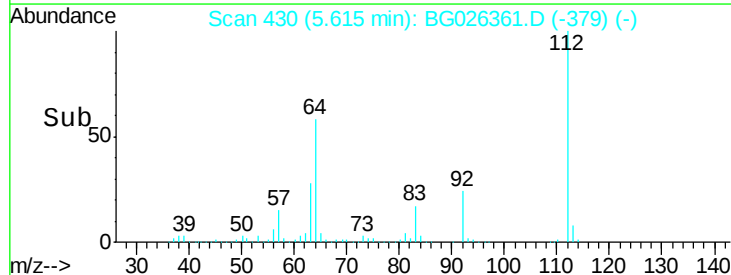
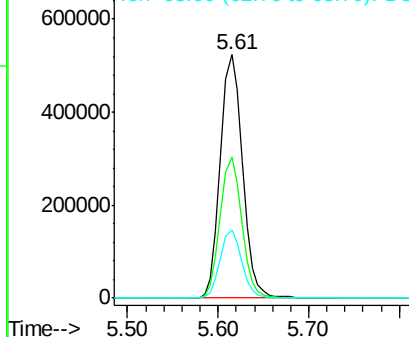
#5

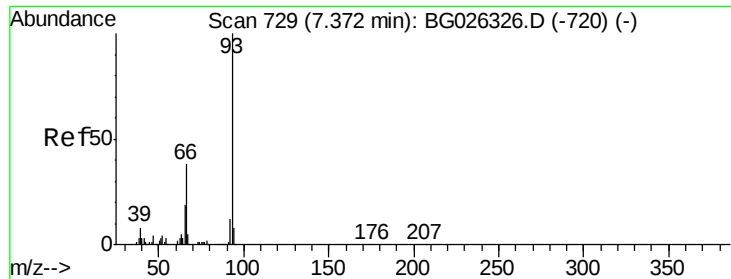
2-Fluorophenol  
Concen: 133.68 ng  
RT: 5.61 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.1  | 61.8  | 92.6# |
| 63      | 28.0  | 37.2  | 55.8# |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.96 ng

RT: 7.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

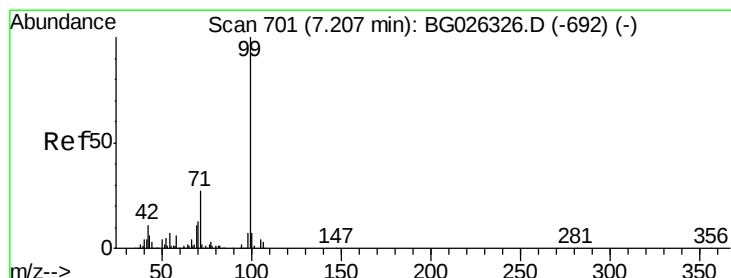
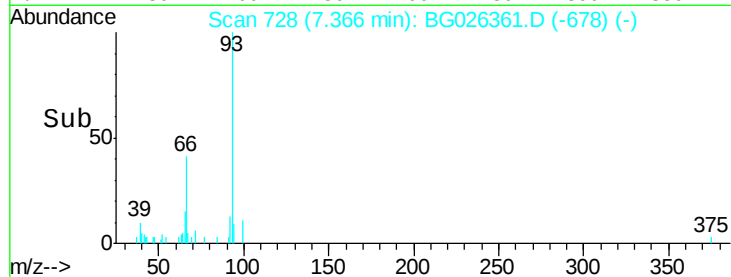
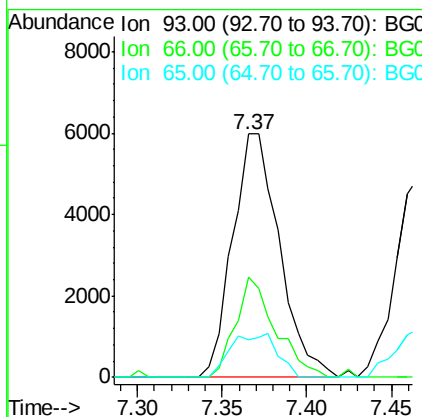
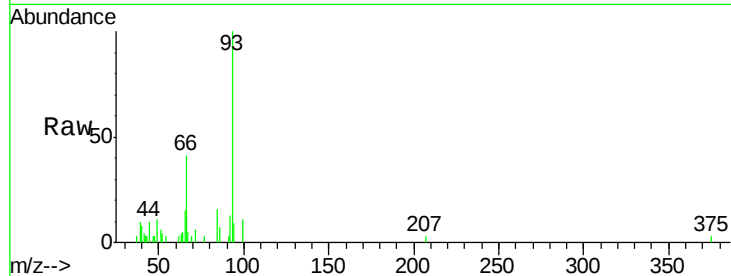
ClientSampleId :

LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 41.3  | 35.4  | 53.2  |
| 65      | 15.4  | 21.2  | 31.8# |

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#7

Phenol-d6

Concen: 127.31 ng

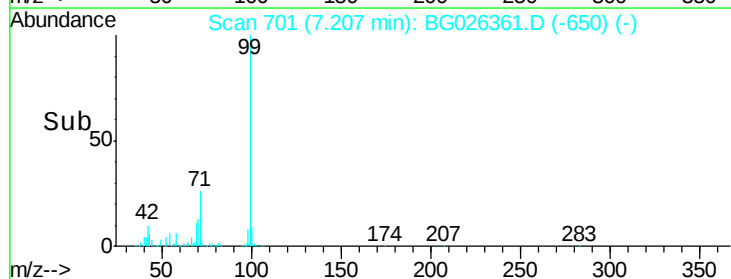
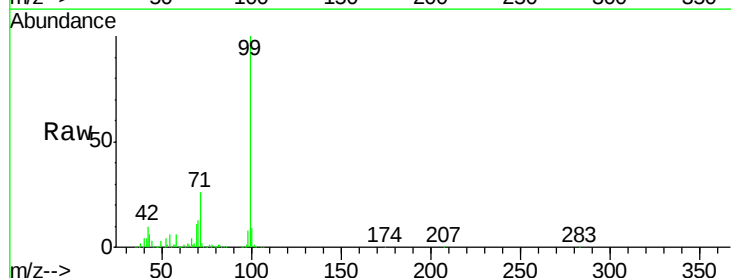
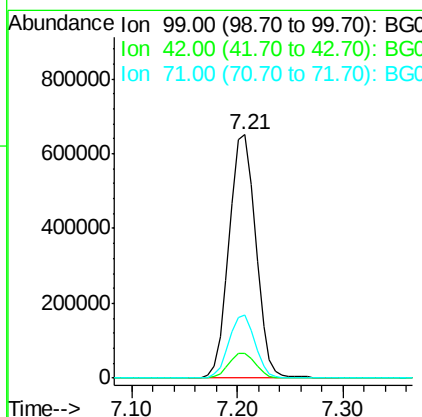
RT: 7.21 min Scan# 701

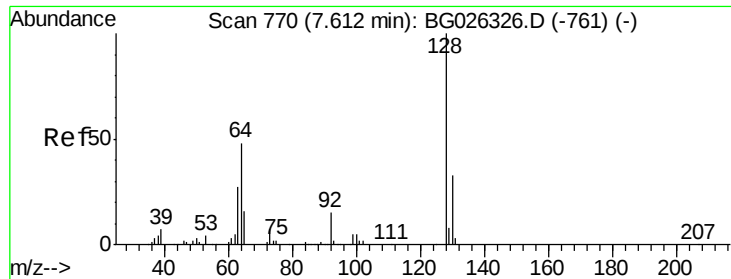
Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 10.2  | 20.5  | 30.7# |
| 71      | 26.0  | 37.6  | 56.4# |





#8

2-Chlorophenol

Concen: 1.07 ng

RT: 7.62 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

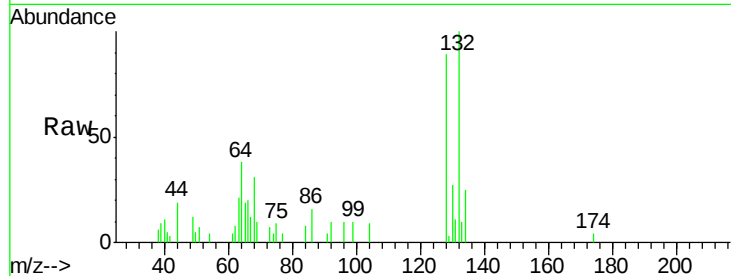
ClientSampleId :

LOD-SOIL-01-QT2-2017

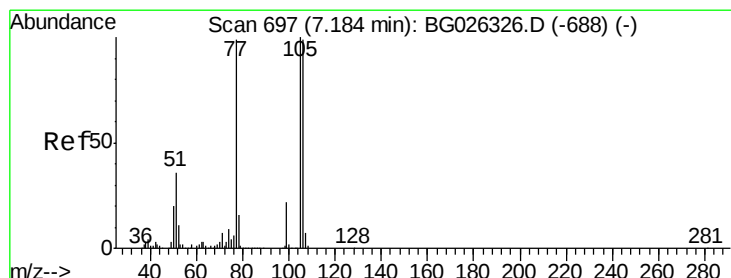
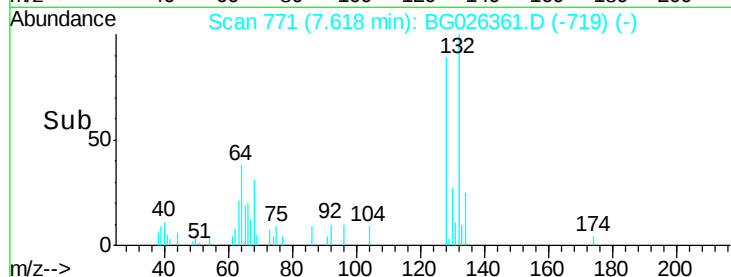
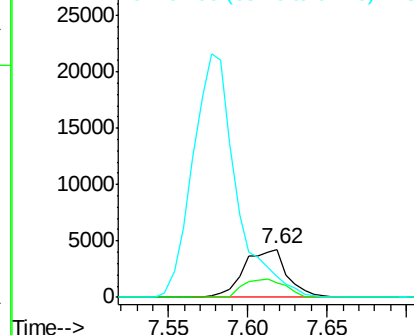
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 8054  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 30.5  | 11.4  | 51.4  |
| 64        | 43.3  | 46.6  | 86.6# |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 1.22 ng

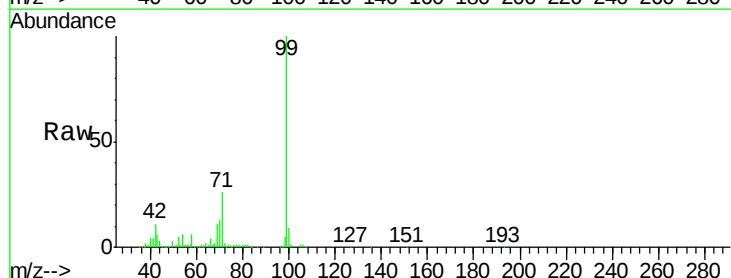
RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

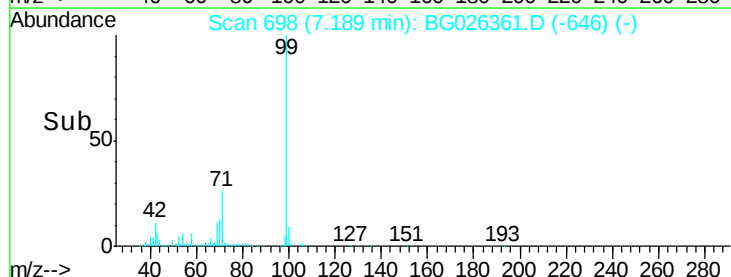
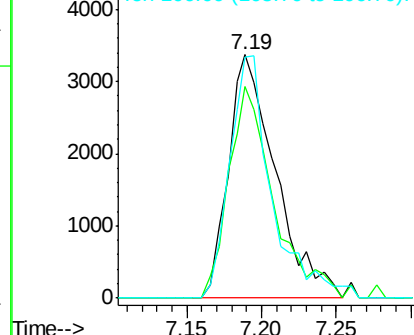
Lab File: BG026361.D

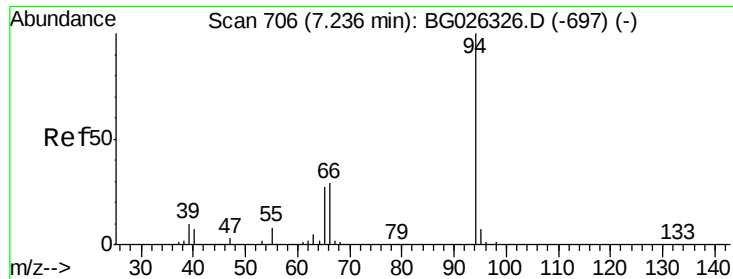
Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 7376  |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 86.8  | 60.9  | 100.9 |
| 106       | 98.8  | 55.1  | 95.1# |



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.03 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

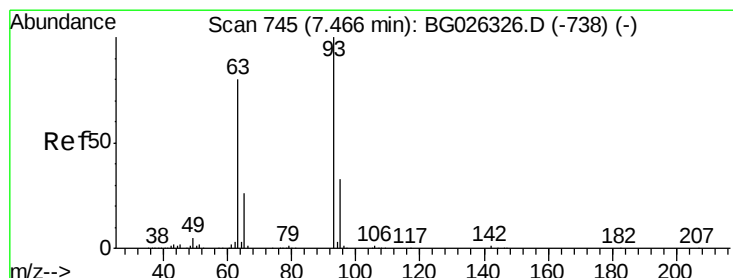
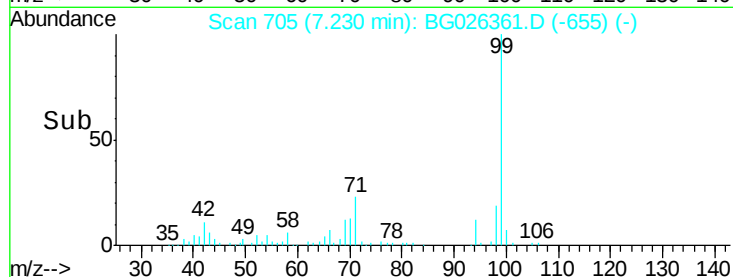
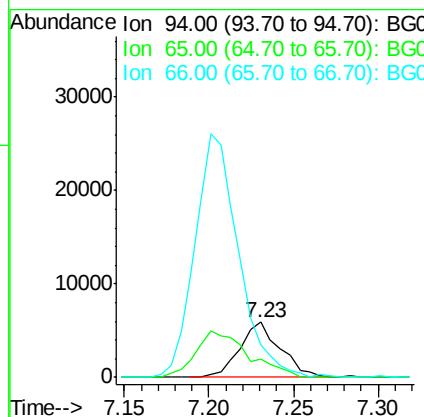
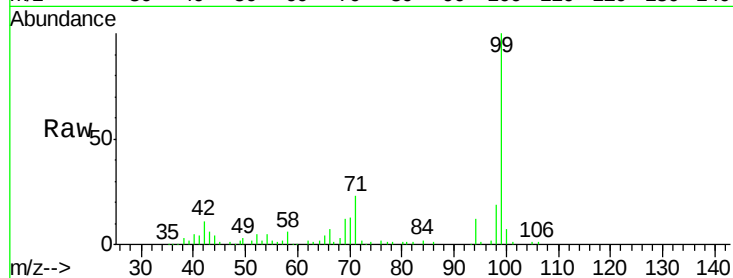
ClientSampleId :

LOD-SOIL-01-QT2-2017

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 94    | Resp: | 9804 |
| Ion Ratio | Lower | Upper |      |
| 94        | 100   |       |      |
| 65        | 33.5  | 20.6  | 60.6 |
| 66        | 59.5  | 35.5  | 75.5 |

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#11

bis(2-Chloroethyl)ether

Concen: 1.01 ng

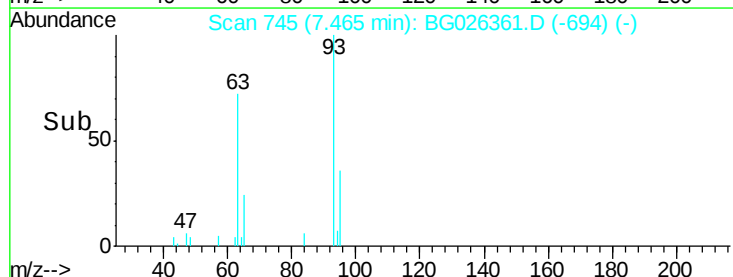
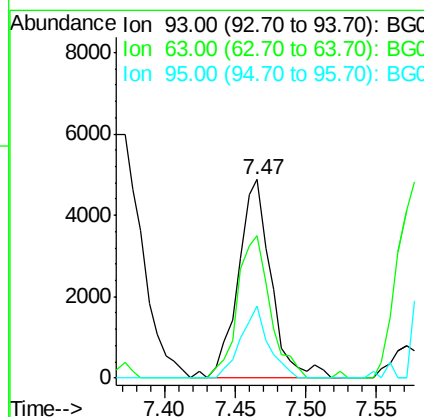
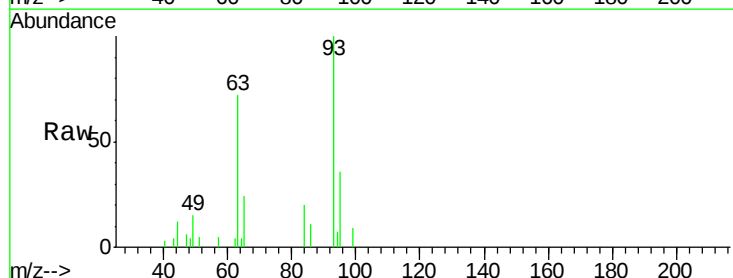
RT: 7.47 min Scan# 745

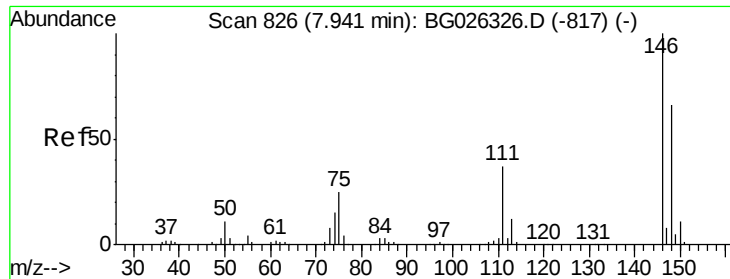
Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 7943   |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 71.9  | 78.5  | 118.5# |
| 95        | 36.0  | 9.8   | 49.8   |





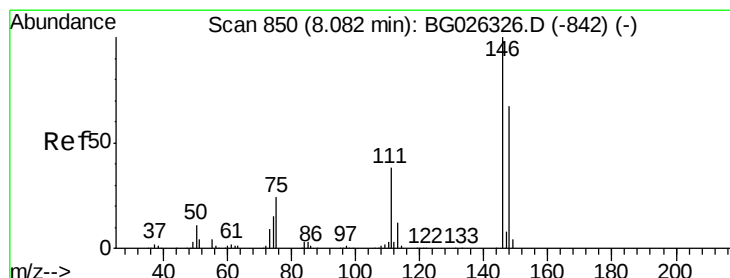
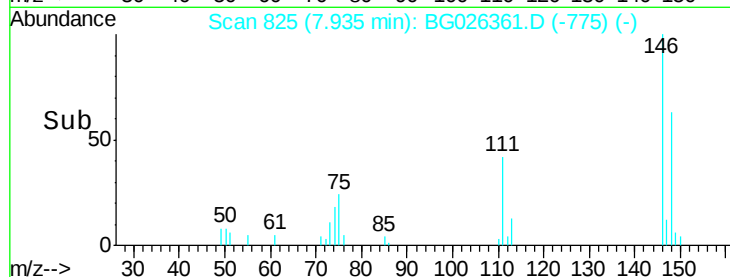
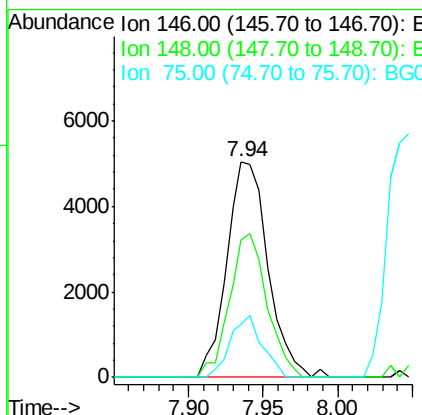
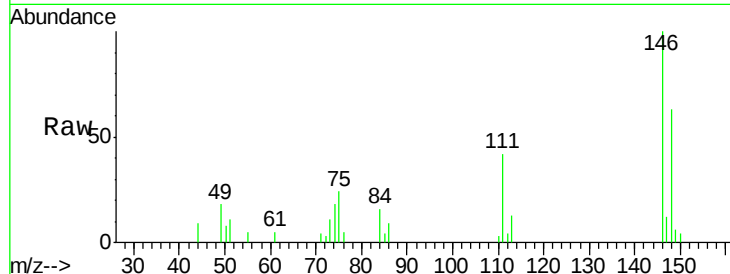
#12  
 1,3-Dichlorobenzene  
 Concen: 1.08 ng  
 RT: 7.94 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 49.2  | 73.8  |
| 75      | 24.4  | 33.4  | 50.2  |

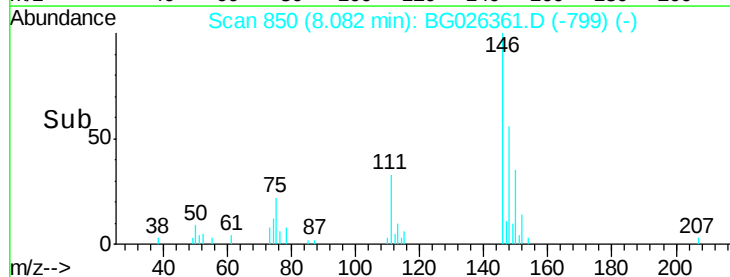
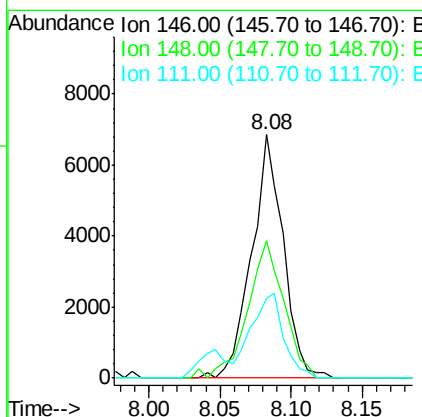
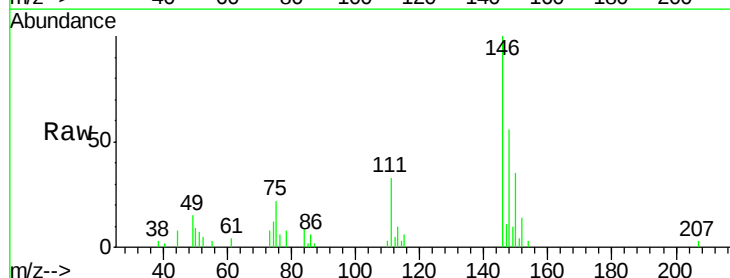
Manual Integrations  
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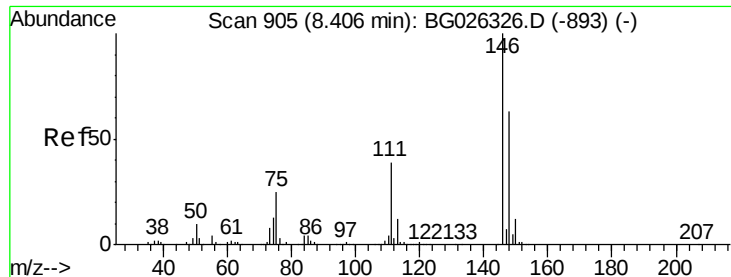
mohammad  
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#13  
 1,4-Dichlorobenzene  
 Concen: 1.18 ng m  
 RT: 8.08 min Scan# 850  
 Delta R.T. -0.00 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 56.4  | 52.2  | 78.2  |
| 111     | 32.7  | 37.0  | 55.6  |





#14

1,2-Dichlorobenzene

Concen: 1.20 ng

RT: 8.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

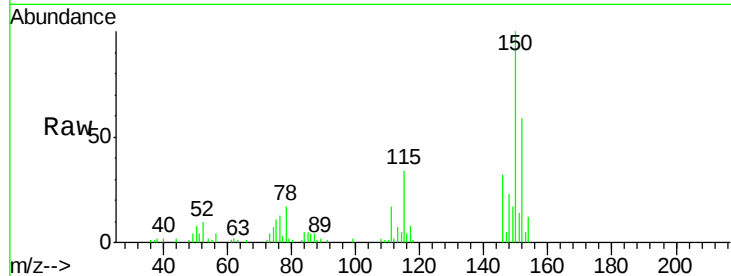
ClientSampleId :

LOD-SOIL-01-QT2-2017

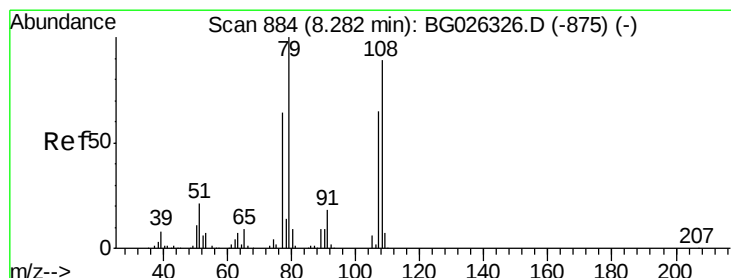
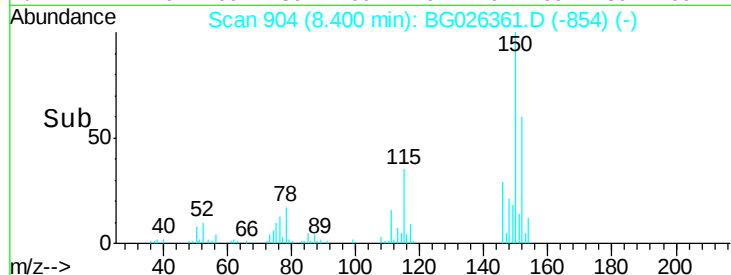
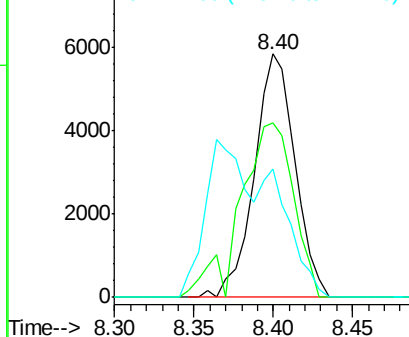
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 10368 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 71.8  | 54.6  | 81.8  |
| 111       | 52.8  | 39.7  | 59.5  |

Manual Integrations  
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Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.78 ng

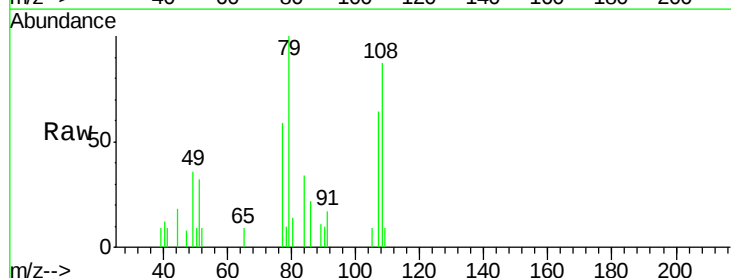
RT: 8.29 min Scan# 886

Delta R.T. 0.01 min

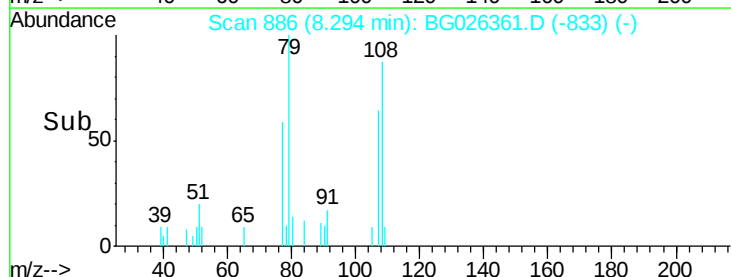
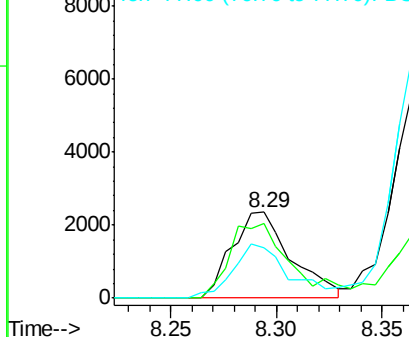
Lab File: BG026361.D

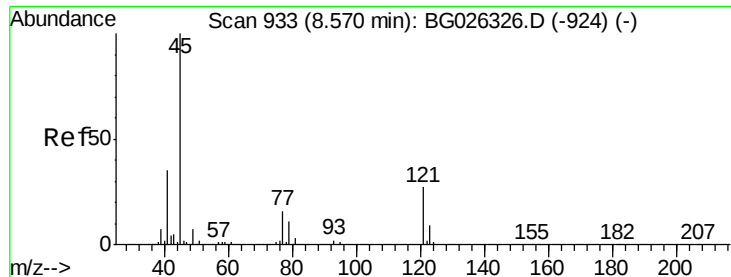
Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 79    | Resp: | 4587  |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 86.9  | 45.5  | 68.3# |
| 77        | 58.7  | 54.3  | 81.5  |



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC





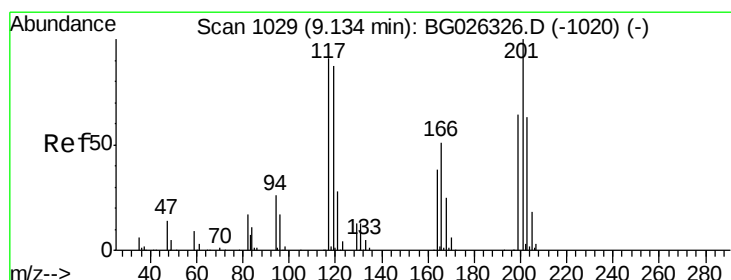
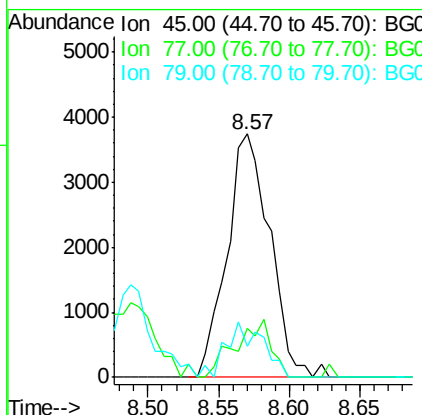
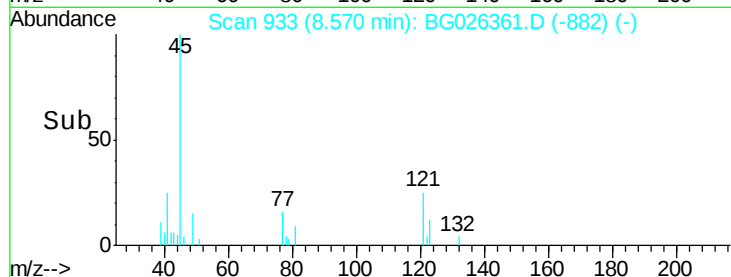
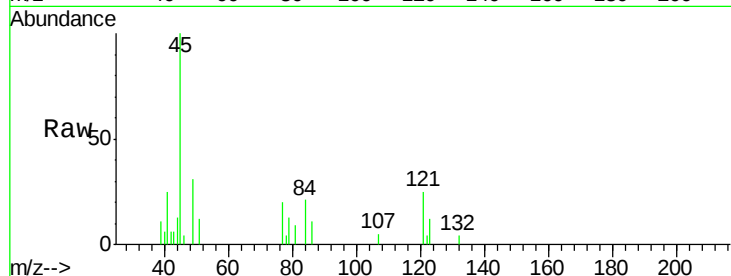
#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.91 ng  
RT: 8.57 min Scan# 933  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 20.3  | 0.0   | 30.6  |
| 79      | 12.6  | 0.0   | 28.5  |

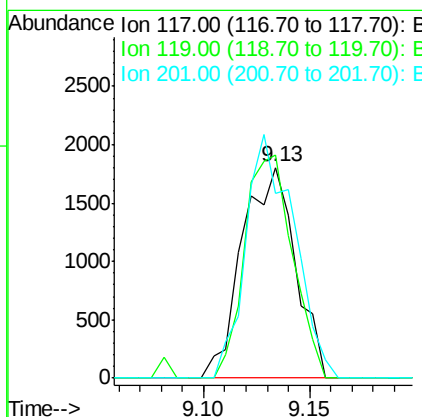
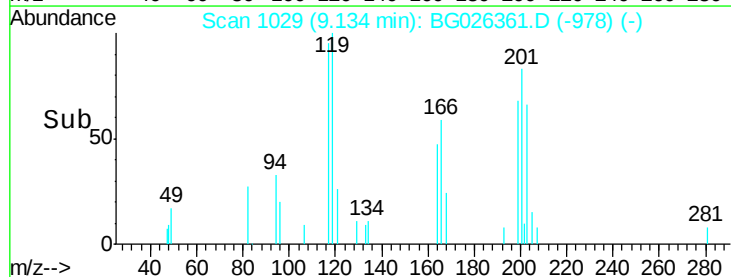
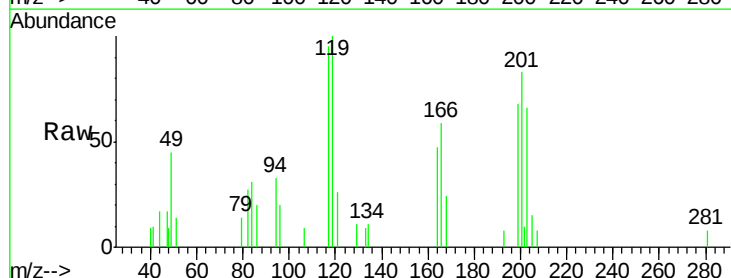
Manual Integrations  
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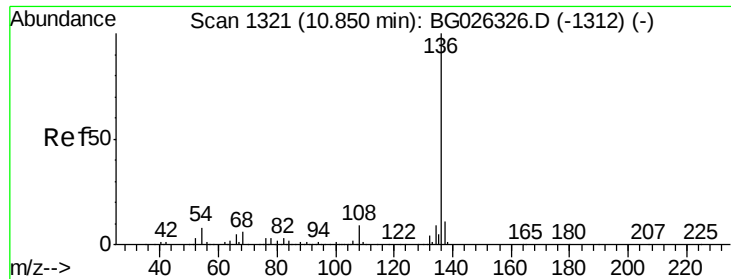
mohammad  
3/23/2017 3:31:48 PM



#18  
Hexachloroethane  
Concen: 1.07 ng  
RT: 9.13 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 105.8 | 69.8  | 104.6# |
| 201     | 87.5  | 95.4  | 143.0# |





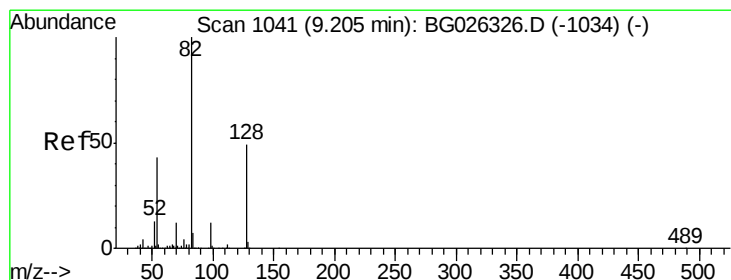
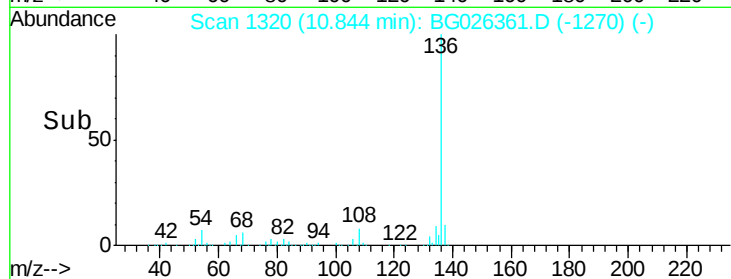
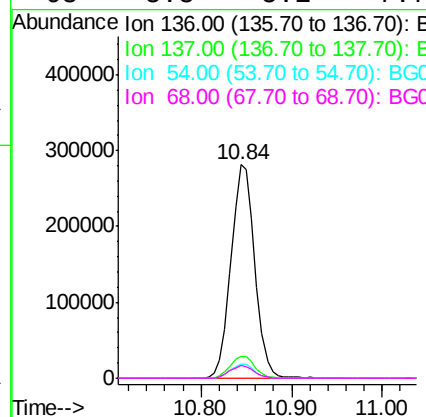
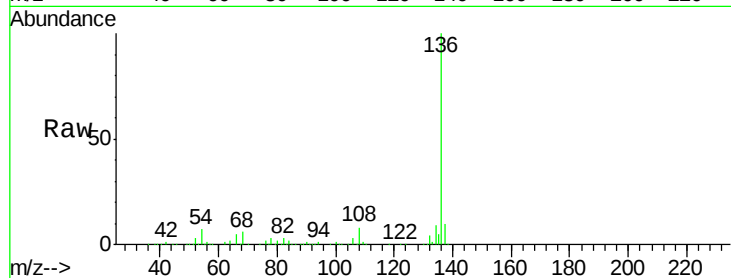
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.84 min Scan# 1320  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 510944 |       |       |
| 137     | 10.5  | 8.9    | 13.3  |       |
| 54      | 6.6   | 9.3    | 13.9  |       |
| 68      | 5.8   | 5.1    | 7.7   |       |

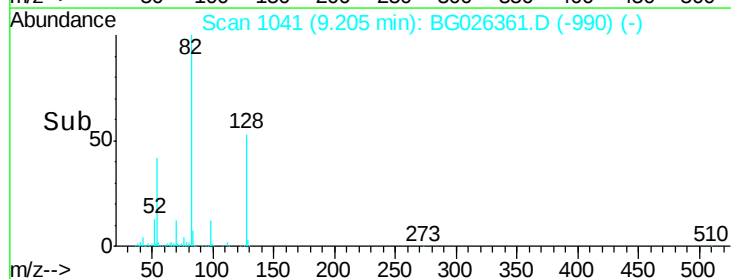
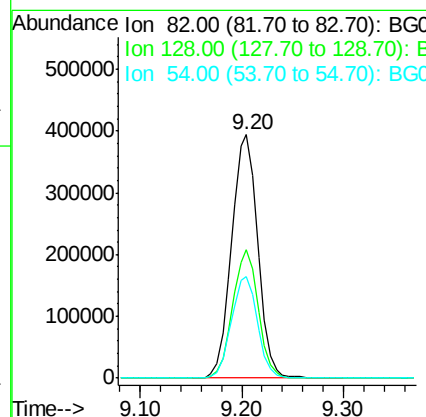
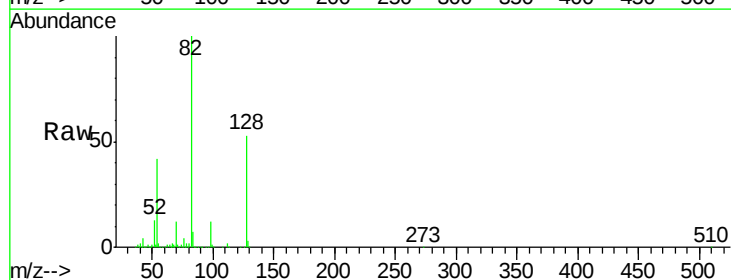
Manual Integrations  
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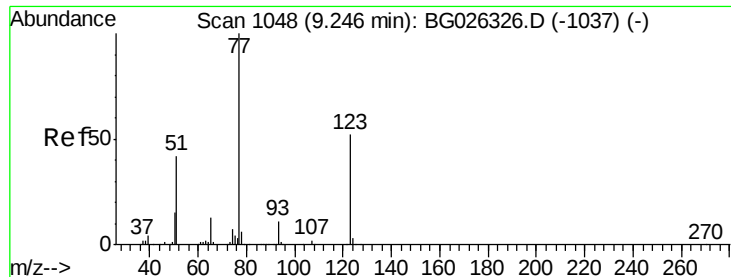
mohammad  
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#23  
Nitrobenzene-d5  
Concen: 82.98 ng  
RT: 9.20 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 705139 |       |       |
| 128     | 52.8  | 26.4   | 39.6  |       |
| 54      | 41.7  | 49.4   | 74.2  |       |





#24

Nitrobenzene

Concen: 1.04 ng

RT: 9.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

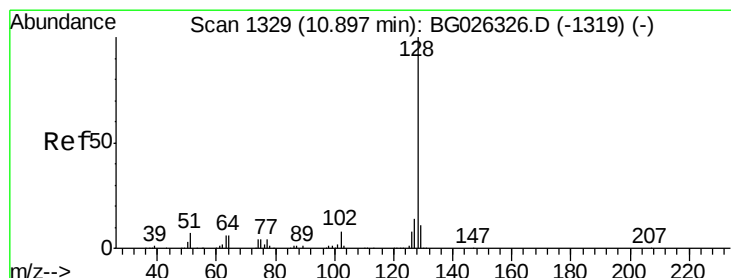
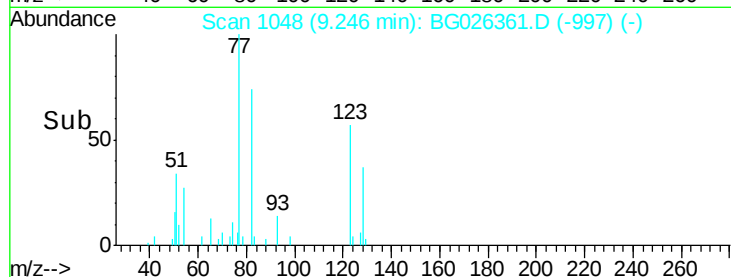
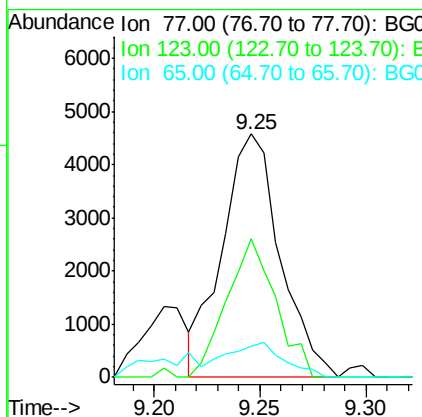
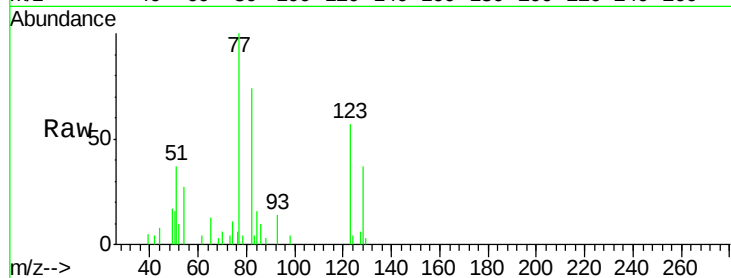
ClientSampleId :

LOD-SOIL-01-QT2-2017

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 8718  |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 123       | 56.8  | 26.1  | 39.1# |
| 65        | 12.6  | 12.4  | 18.6  |

Manual Integrations  
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#31

Naphthalene

Concen: 1.10 ng

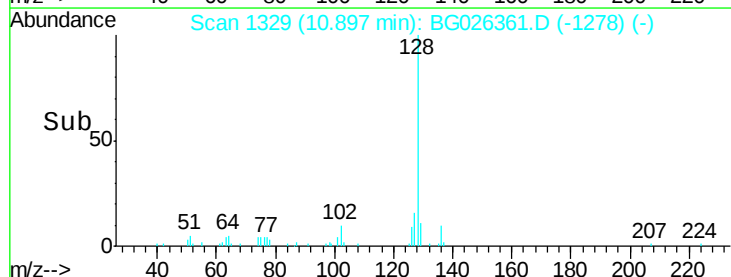
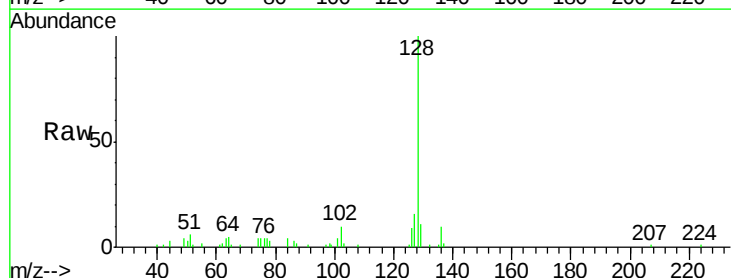
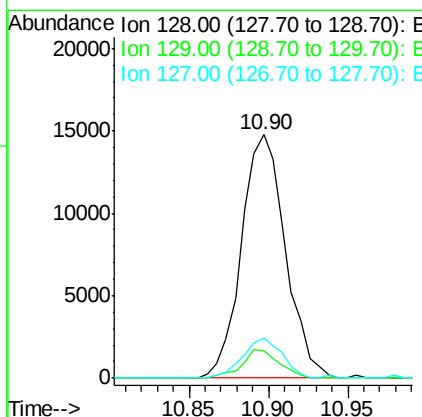
RT: 10.90 min Scan# 1329

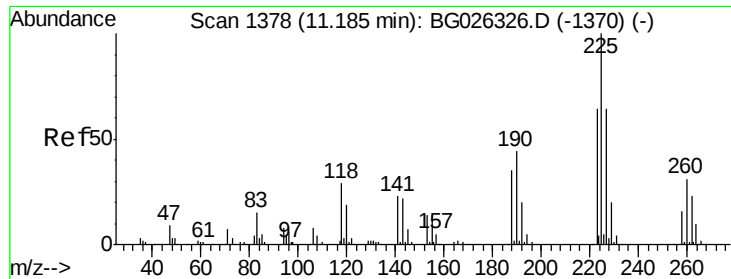
Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 28378 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.5  | 9.3   | 13.9  |
| 127       | 16.2  | 11.4  | 17.0  |





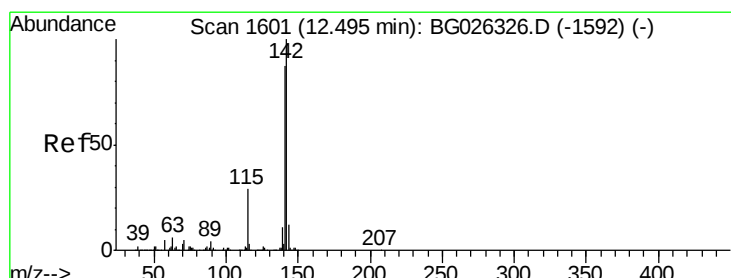
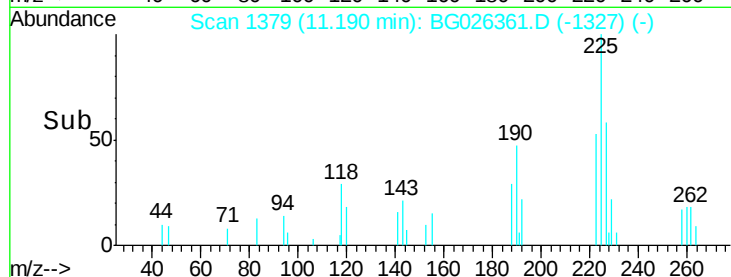
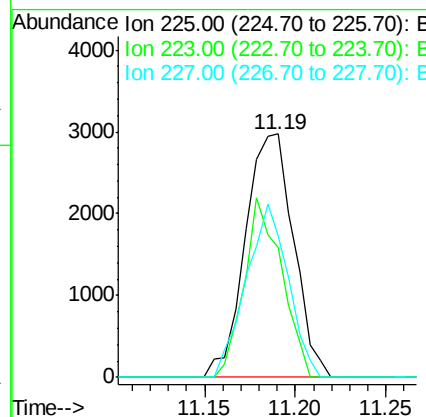
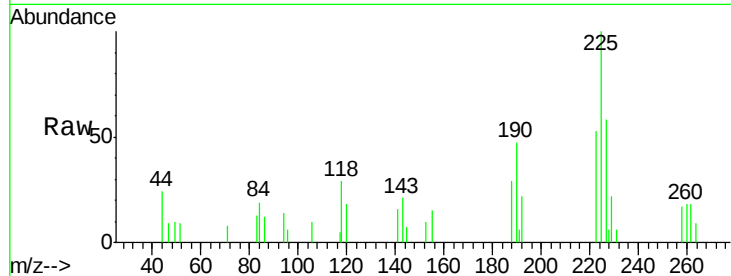
#34  
Hexachlorobutadiene  
Concen: 1.15 ng  
RT: 11.19 min Scan# 1379  
Delta R.T. 0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   | 5510 |       |       |
| 223     | 53.3  |      | 50.7  | 76.1  |
| 227     | 57.9  |      | 49.0  | 73.6  |

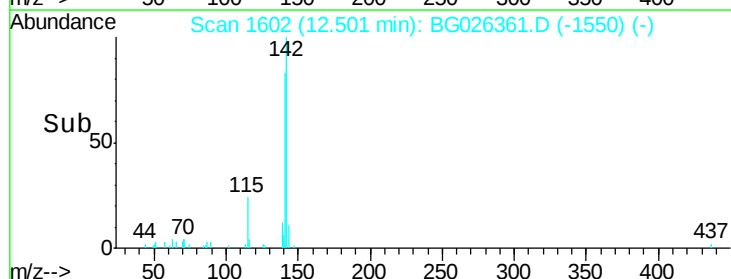
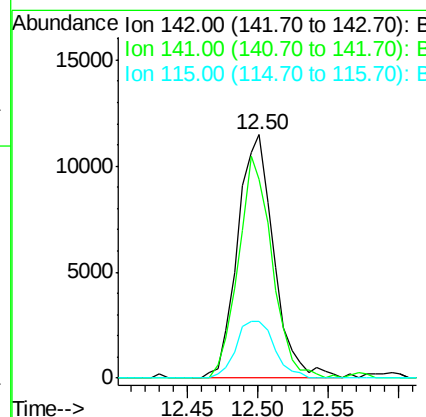
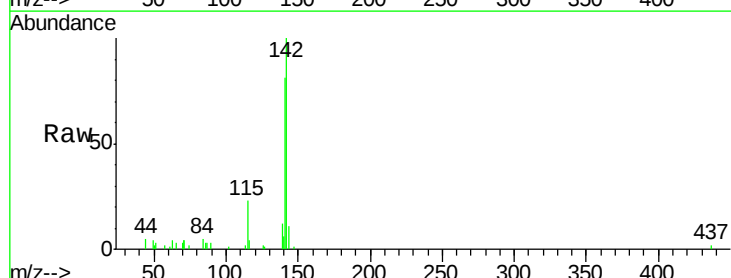
Manual Integrations  
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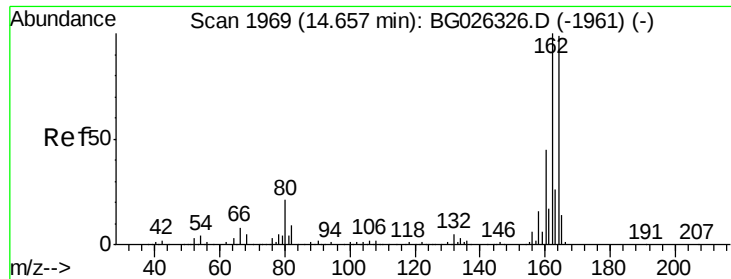
mohammad  
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#37  
2-Methylnaphthalene  
Concen: 1.09 ng  
RT: 12.50 min Scan# 1602  
Delta R.T. 0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 142     | 100   | 20543 |       |       |
| 141     | 81.5  |       | 70.4  | 105.6 |
| 115     | 23.4  |       | 35.5  | 53.3  |





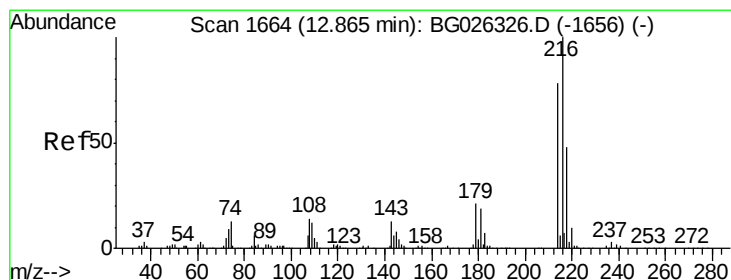
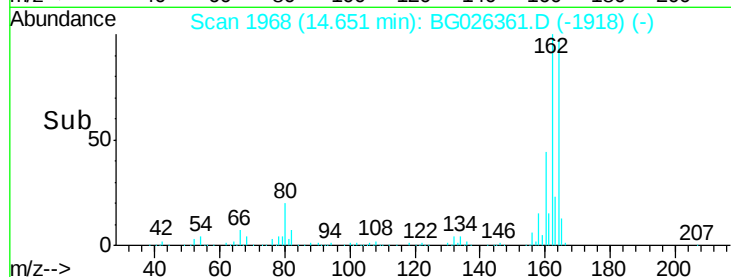
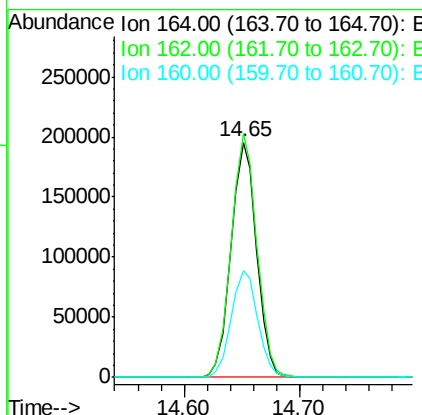
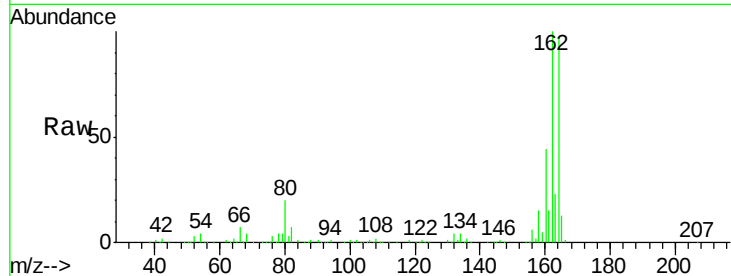
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.65 min Scan# 1968  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 85.1  | 127.7 |
| 160     | 45.5  | 34.7  | 52.1  |

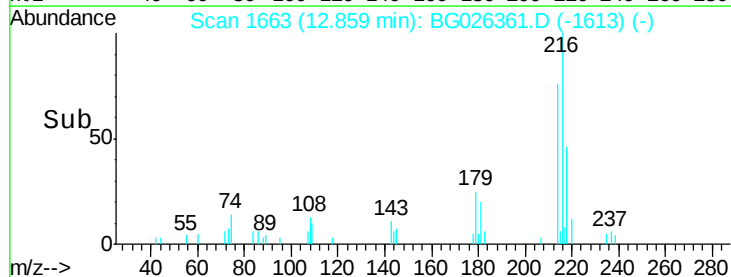
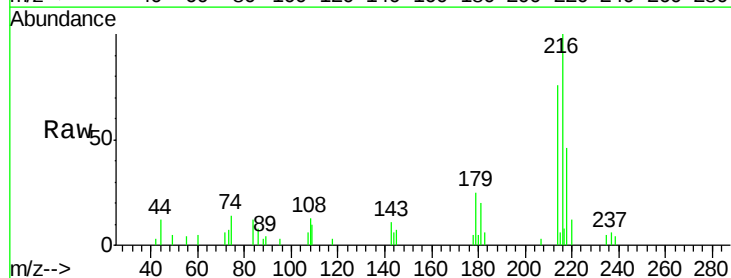
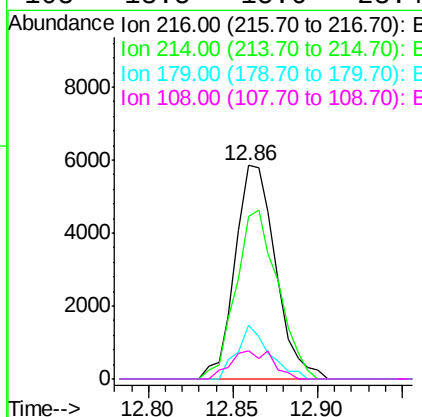
Manual Integrations  
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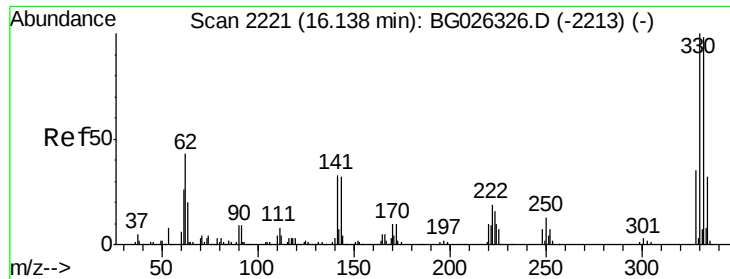
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#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 1.09 ng  
RT: 12.86 min Scan# 1663  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 81.5  | 64.4  | 96.6  |
| 179     | 20.0  | 17.4  | 26.0  |
| 108     | 13.5  | 15.6  | 23.4# |





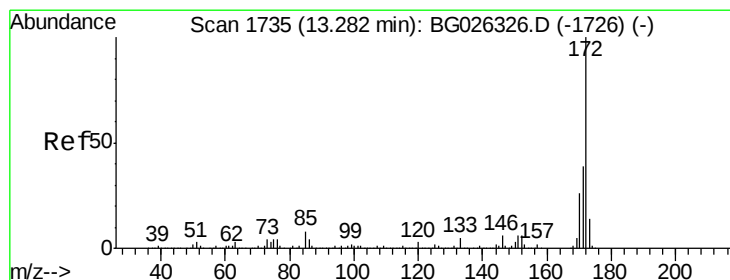
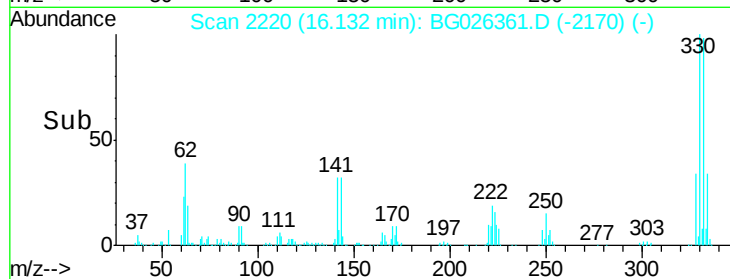
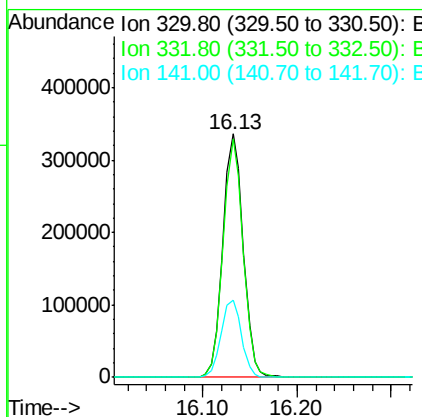
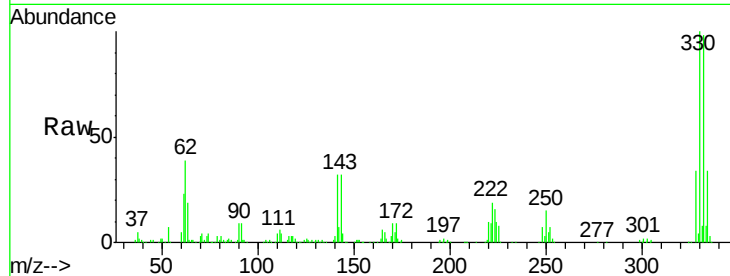
#41  
 2,4,6-Tribromophenol  
 Concen: 149.07 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 508973 |       |       |
| 332     | 96.1  | 77.3   | 115.9 |       |
| 141     | 32.0  | 32.1   | 48.1# |       |

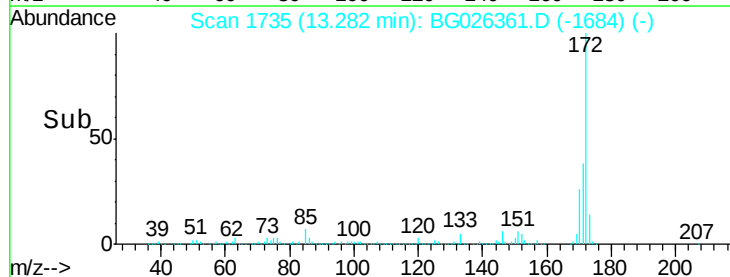
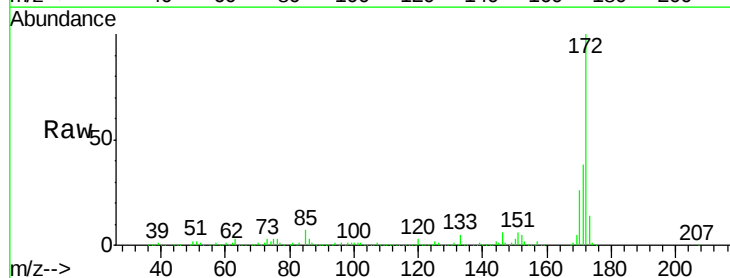
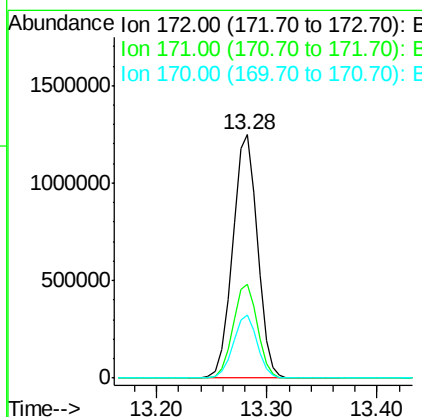
Manual Integrations  
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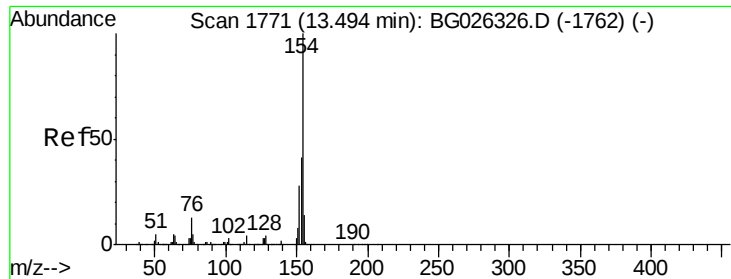
mohammad  
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#44  
 2-Fluorobiphenyl  
 Concen: 92.26 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1961515 |       |       |
| 171     | 38.4  | 32.2    | 48.2  |       |
| 170     | 26.0  | 21.8    | 32.6  |       |





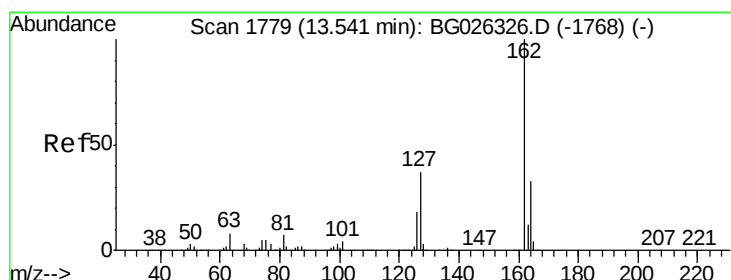
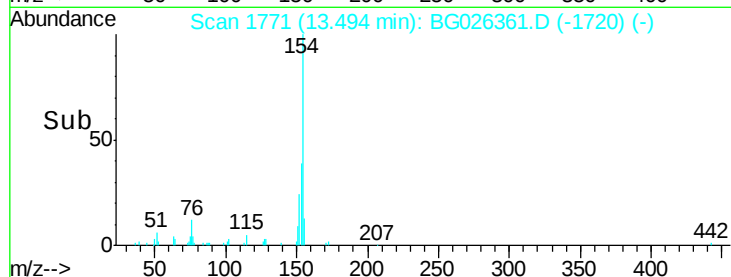
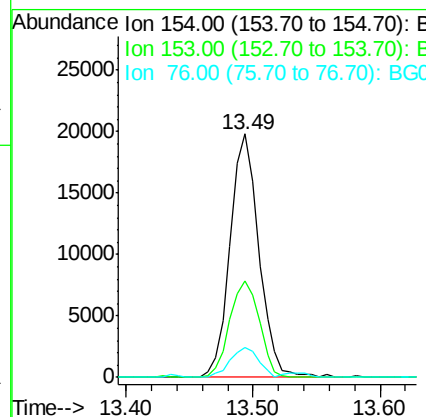
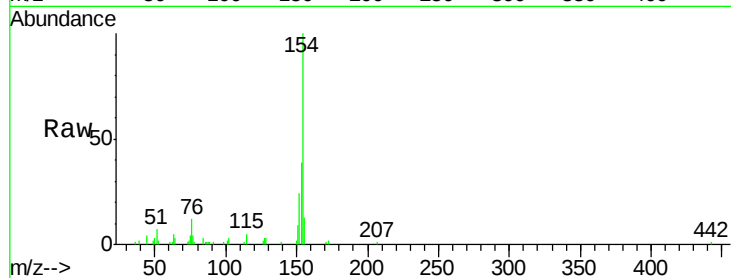
#45  
 1,1'-Biphenyl  
 Concen: 1.26 ng  
 RT: 13.49 min Scan# 1771  
 Delta R.T. -0.00 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 31102 |       |       |
| 153     | 39.4  | 23.0  | 63.0  |       |
| 76      | 12.1  | 0.0   | 33.5  |       |

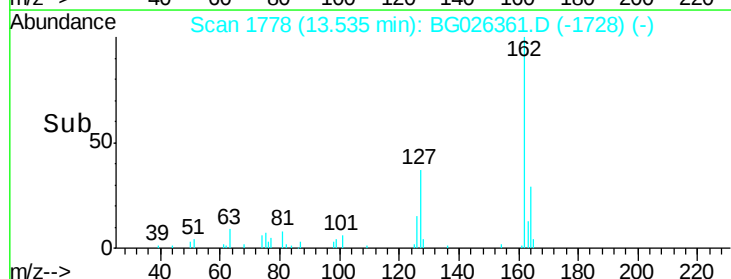
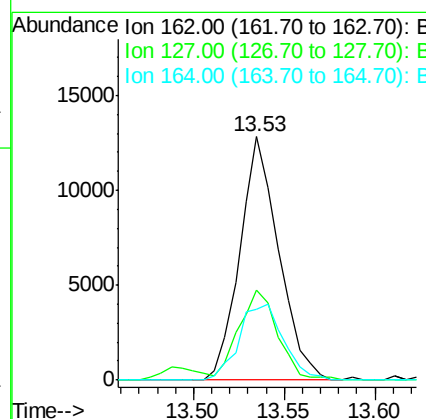
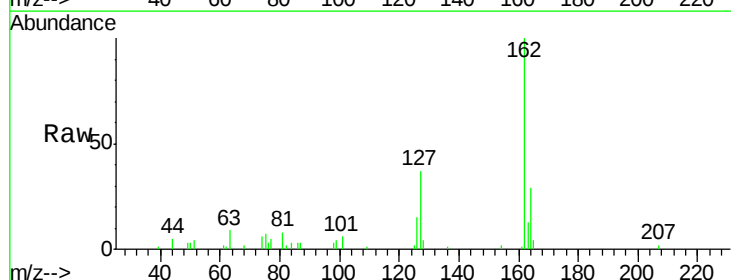
Manual Integrations  
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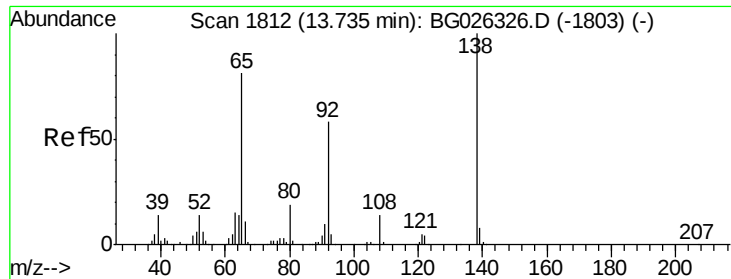
mohammad  
 3/23/2017 3:31:48 PM



#46  
 2-Chloronaphthalene  
 Concen: 1.06 ng  
 RT: 13.53 min Scan# 1778  
 Delta R.T. -0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 19082 |       |       |
| 127     | 37.0  | 32.2  | 48.4  |       |
| 164     | 29.3  | 27.3  | 40.9  |       |





#47

2-Nitroaniline

Concen: 0.75 ng

RT: 13.74 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

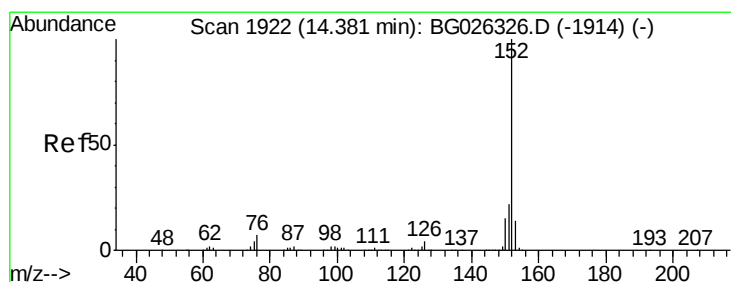
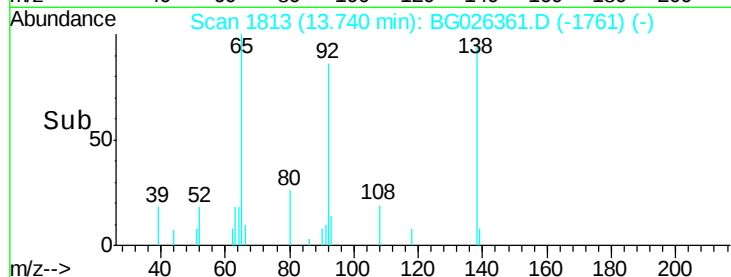
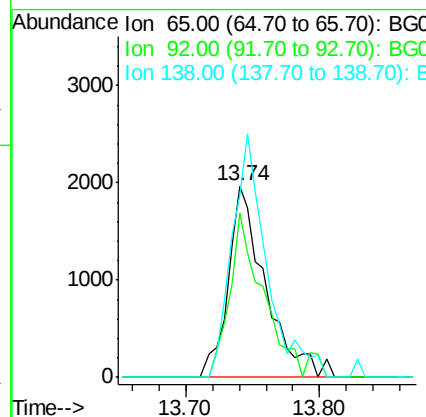
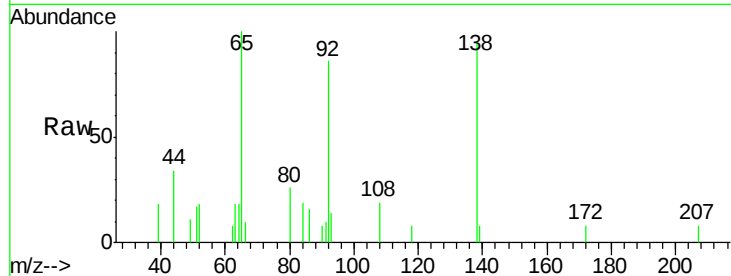
ClientSampleId :

LOD-SOIL-01-QT2-2017

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 3839  |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 85.9  | 49.0  | 73.4# |
| 138       | 94.9  | 58.6  | 87.8# |

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#48

Acenaphthylene

Concen: 1.03 ng

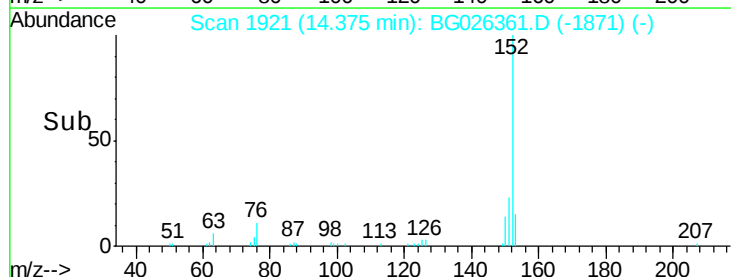
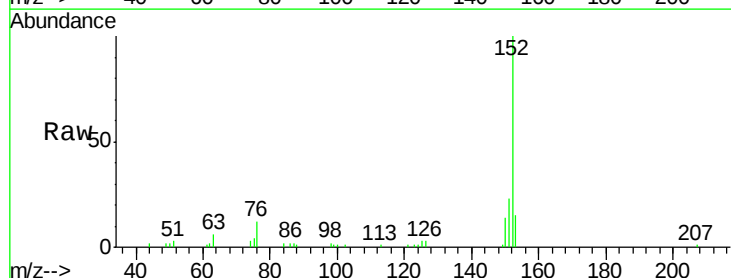
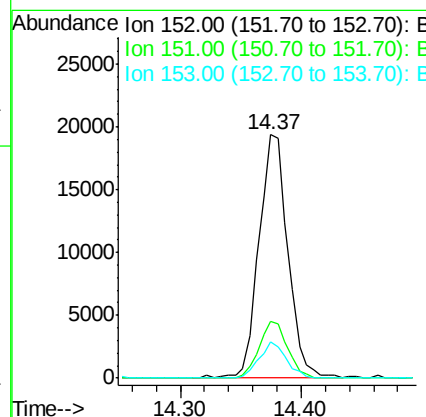
RT: 14.37 min Scan# 1921

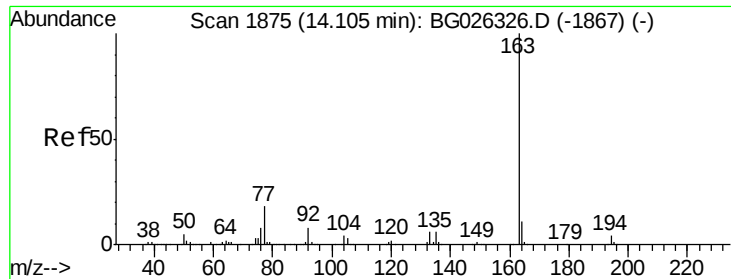
Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 32330 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 23.3  | 18.2  | 27.2  |
| 153       | 15.1  | 11.3  | 16.9  |





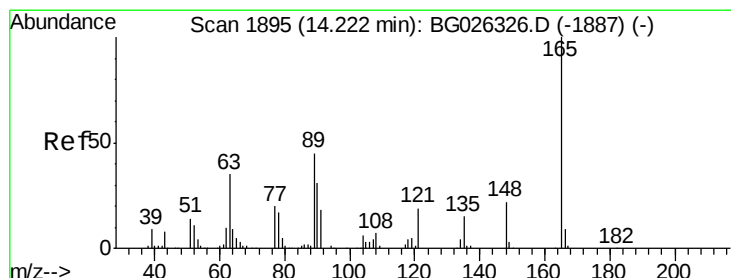
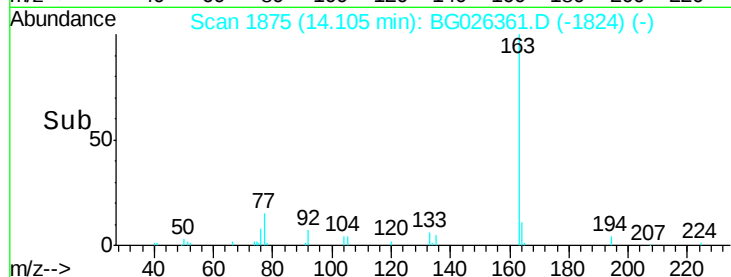
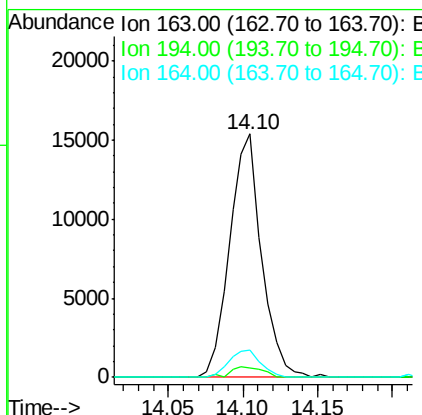
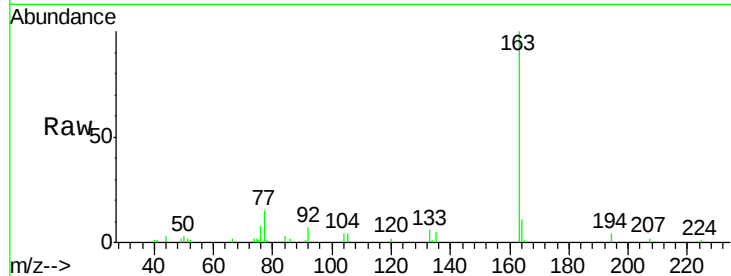
#49  
Dimethylphthalate  
Concen: 1.02 ng  
RT: 14.10 min Scan# 1875  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.8   | 5.6   |
| 164     | 11.2  | 9.3   | 13.9  |

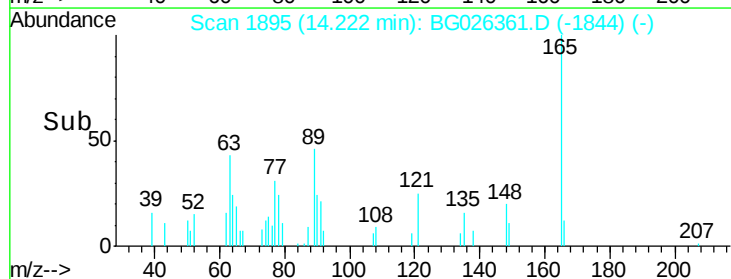
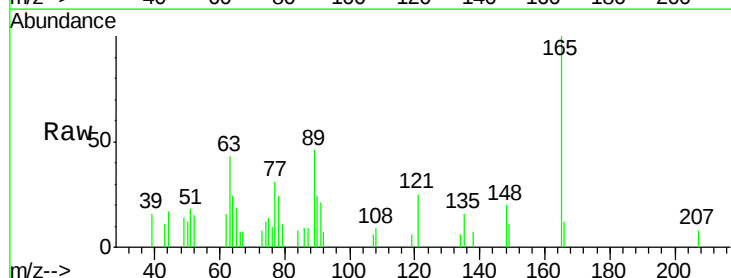
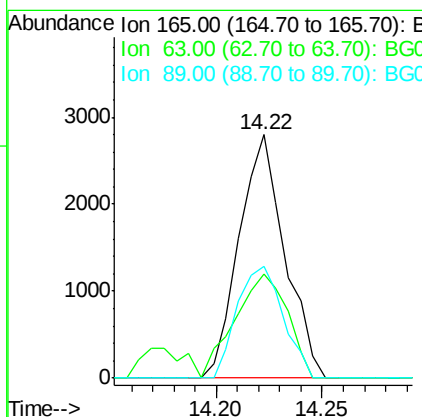
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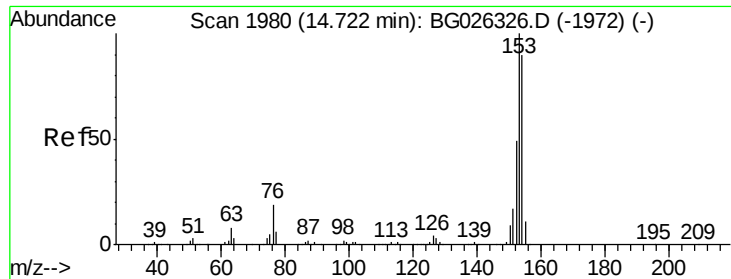
mohammad  
3/23/2017 3:31:48 PM



#50  
2,6-Dinitrotoluene  
Concen: 0.80 ng  
RT: 14.22 min Scan# 1895  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.8  | 63.9  | 95.9# |
| 89      | 46.0  | 58.6  | 88.0# |





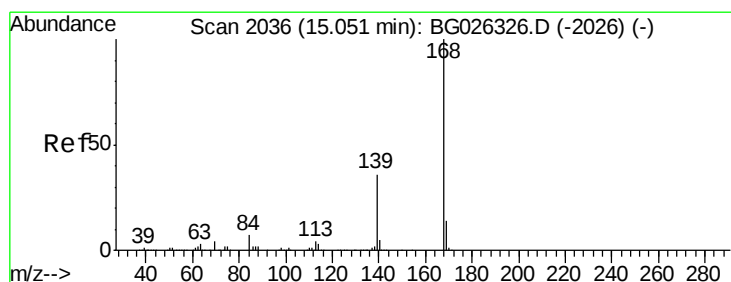
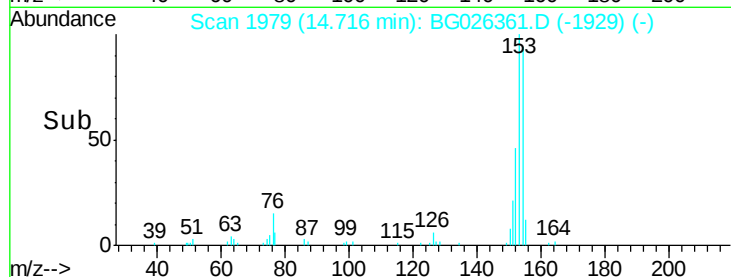
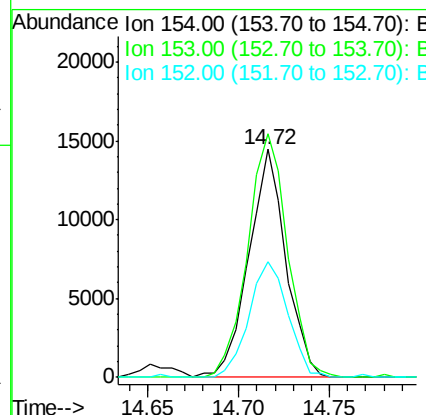
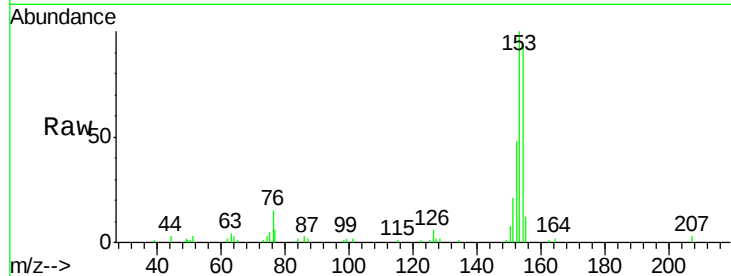
#51  
Acenaphthene  
Concen: 1.06 ng  
RT: 14.72 min Scan# 1979  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 106.7 | 87.8  | 131.6 |
| 152     | 50.9  | 42.2  | 63.4  |

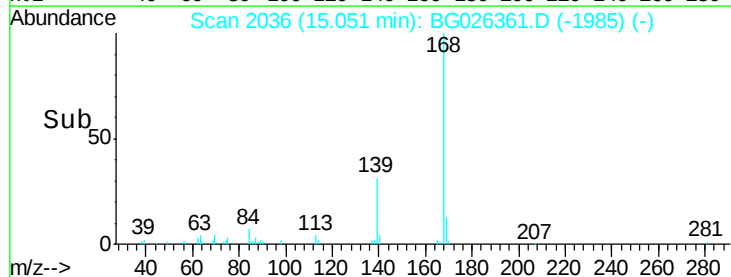
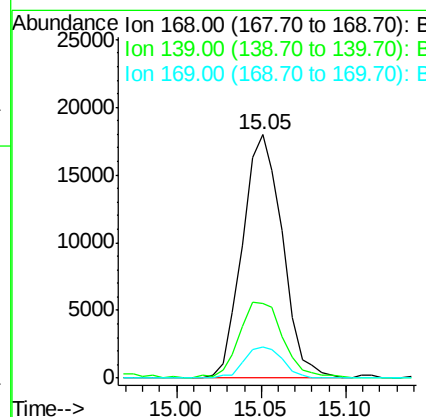
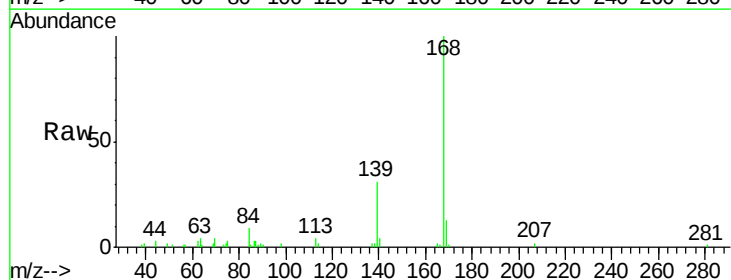
Manual Integrations  
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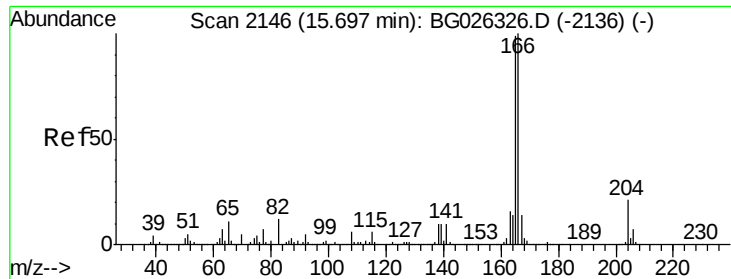
mohammad  
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#54  
Dibenzofuran  
Concen: 1.08 ng  
RT: 15.05 min Scan# 2036  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 30.9  | 35.3  | 52.9# |
| 169     | 12.7  | 11.5  | 17.3  |





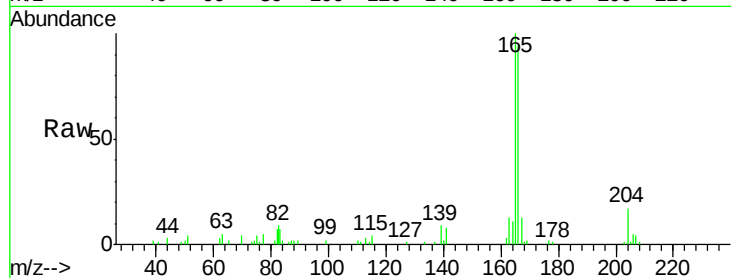
#57  
Fluorene  
Concen: 1.08 ng  
RT: 15.70 min Scan# 2146  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 106.0 | 78.6  | 117.8 |
| 167     | 13.9  | 11.6  | 17.4  |

Manual Integrations  
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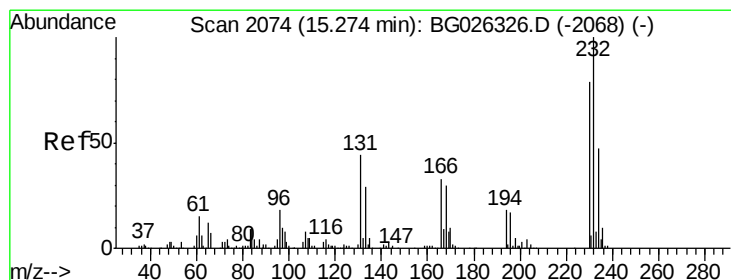
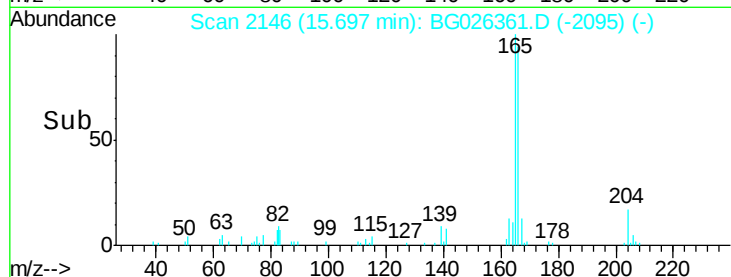
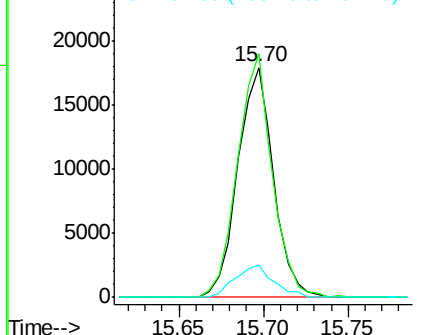


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 0.87 ng  
RT: 15.28 min Scan# 2075  
Delta R.T. 0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 48.4  | 34.9  | 52.3  |
| 130     | 2.9   | 2.3   | 3.5   |
| 166     | 34.3  | 24.2  | 36.4  |

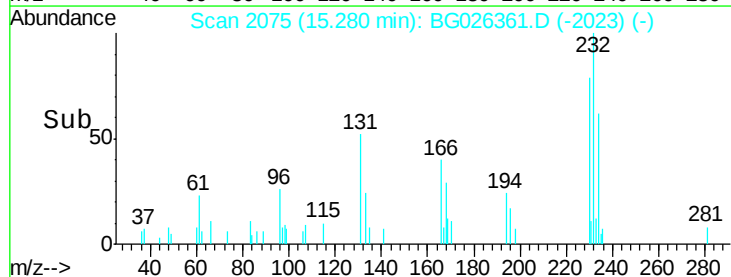
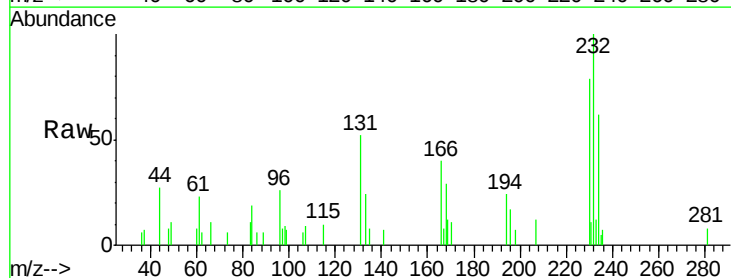
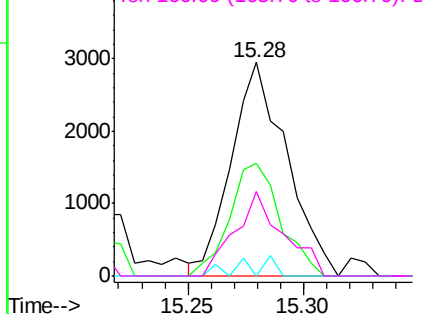
Abundance

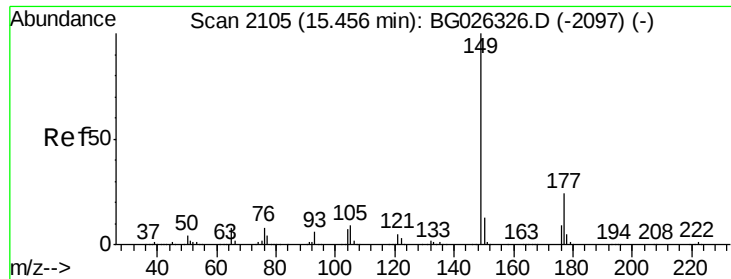
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





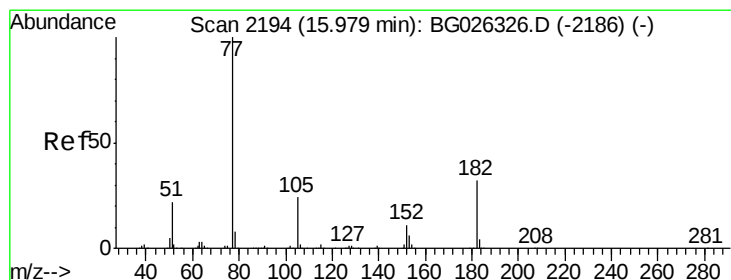
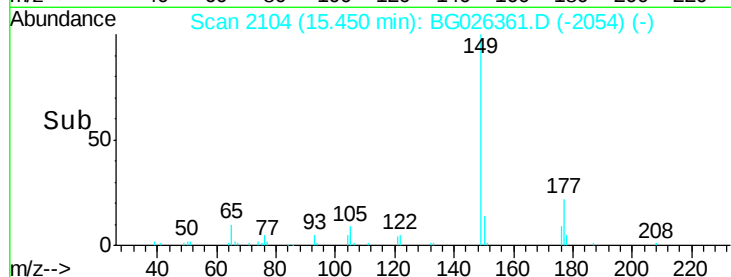
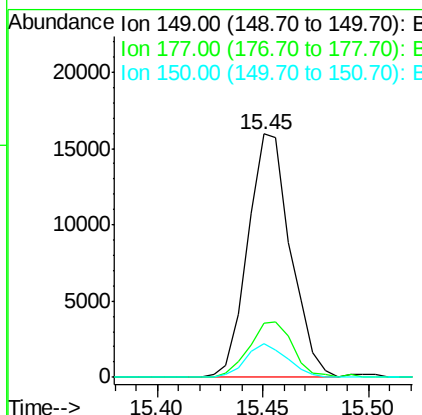
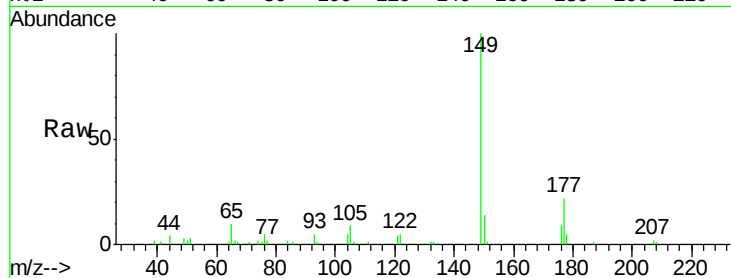
#59  
Diethylphthalate  
Concen: 0.97 ng  
RT: 15.45 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.3  | 20.1  | 30.1  |
| 150     | 13.9  | 10.2  | 15.2  |

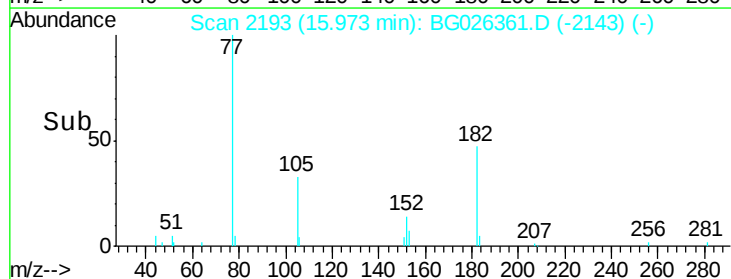
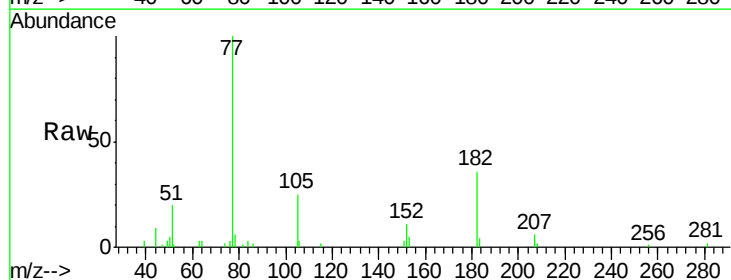
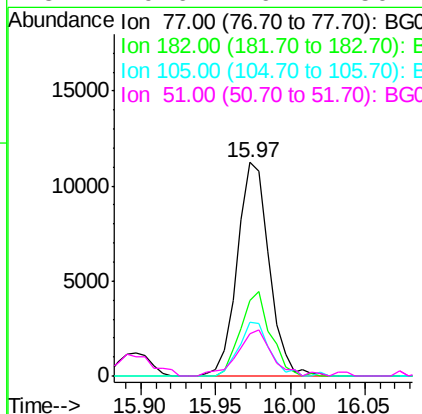
Manual Integrations  
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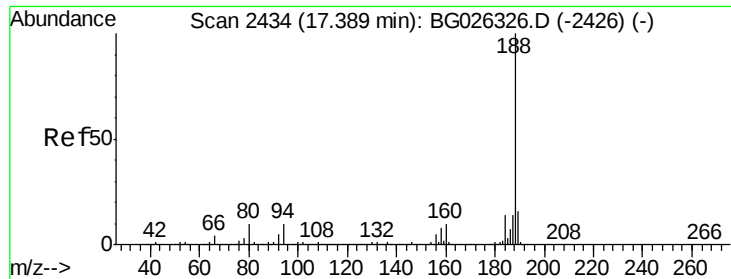
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3/23/2017 3:31:48 PM



#62  
Azobenzene  
Concen: 0.89 ng  
RT: 15.97 min Scan# 2193  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.6  | 4.7   | 44.7  |
| 105     | 25.1  | 0.0   | 36.3  |
| 51      | 19.6  | 16.4  | 56.4  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

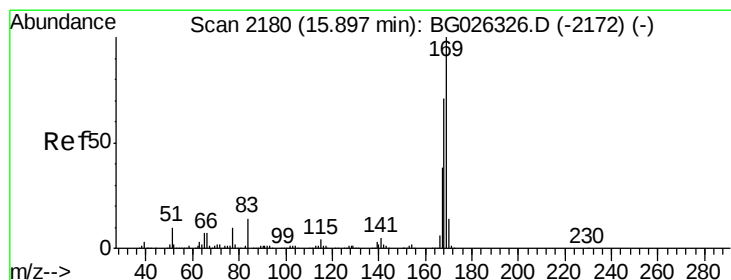
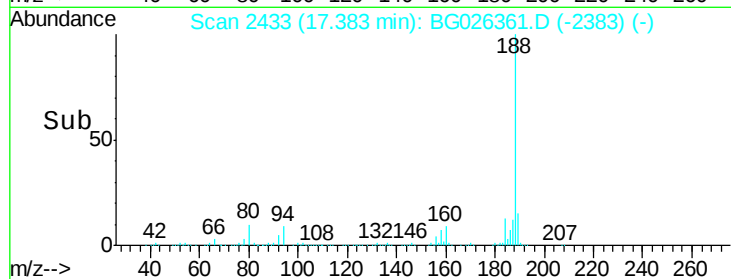
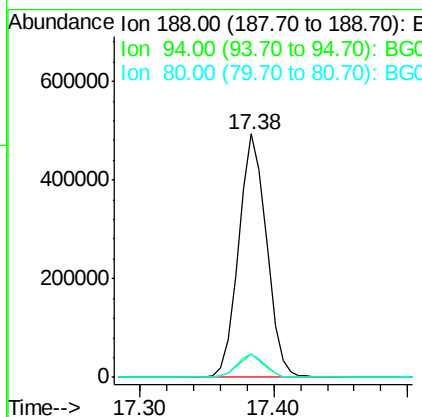
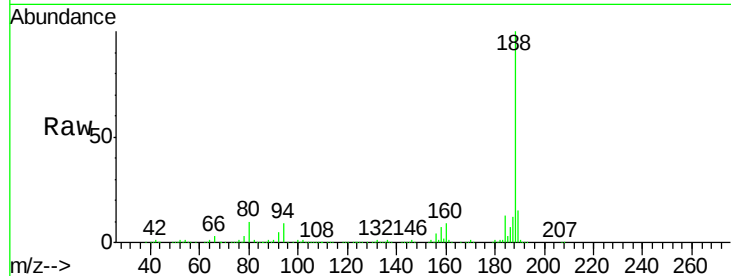
ClientSampleId :

LOD-SOIL-01-QT2-2017

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 712491 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.5   | 5.8   | 8.8#   |
| 80        | 9.8   | 7.5   | 11.3   |

Manual Integrations  
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#65

n-Nitrosodiphenylamine

Concen: 1.00 ng

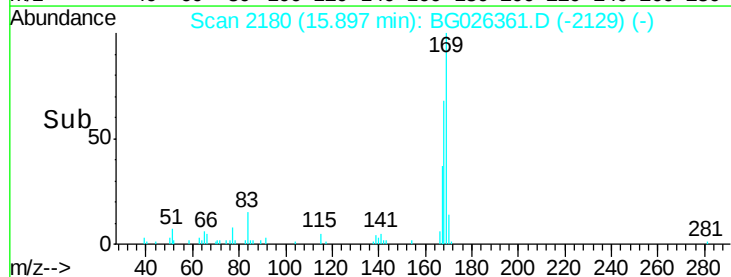
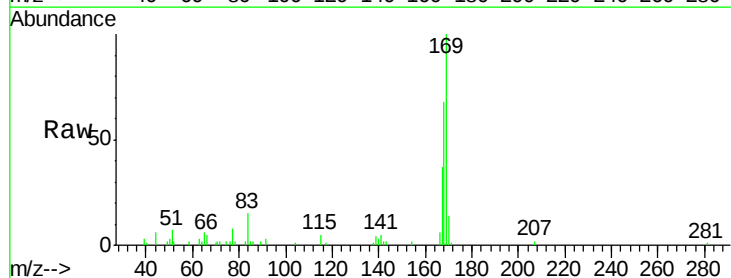
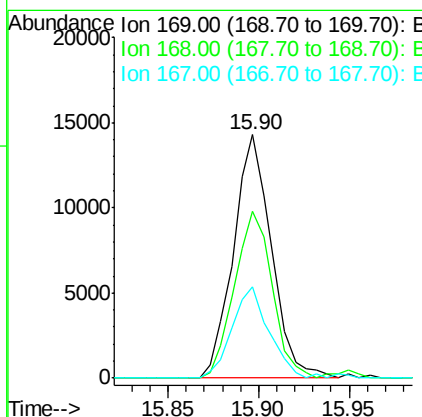
RT: 15.90 min Scan# 2180

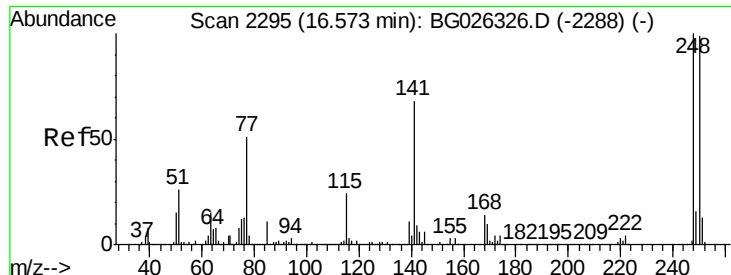
Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 169   | Resp: | 20827 |
| Ion Ratio | Lower | Upper |       |
| 169       | 100   |       |       |
| 168       | 68.4  | 55.7  | 83.5  |
| 167       | 37.4  | 29.8  | 44.6  |





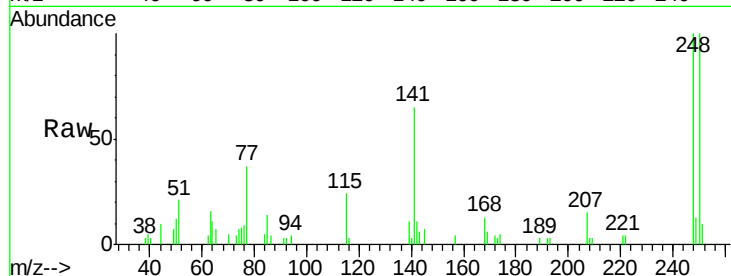
#66  
4-Bromophenyl-phenylether  
Concen: 1.09 ng  
RT: 16.57 min Scan# 2295  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

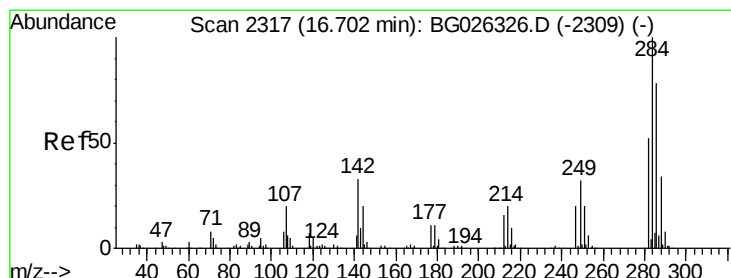
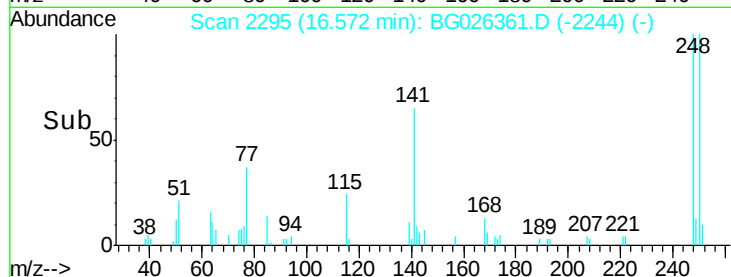
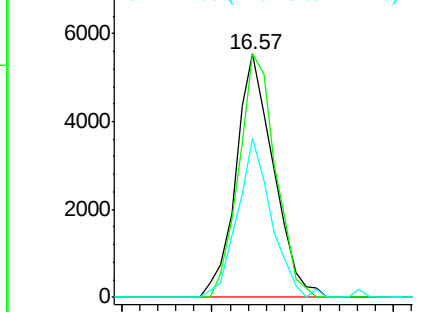
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.9  | 75.0  | 112.6 |
| 141     | 65.2  | 55.2  | 82.8  |

Manual Integrations  
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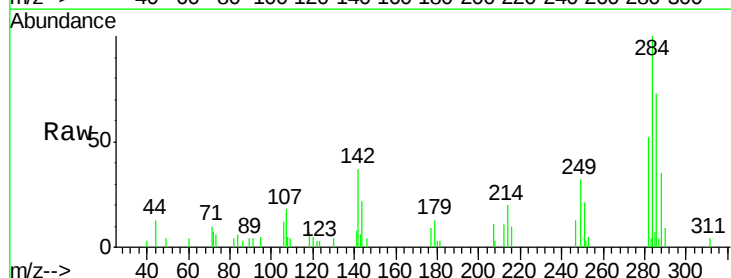


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

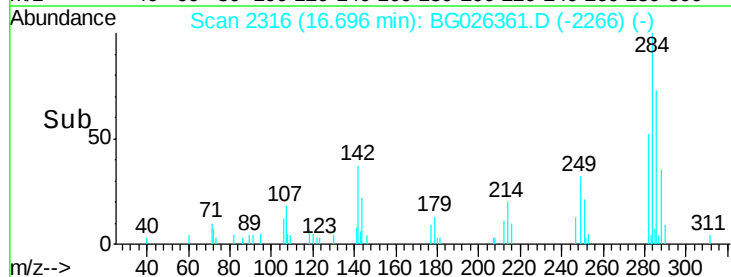
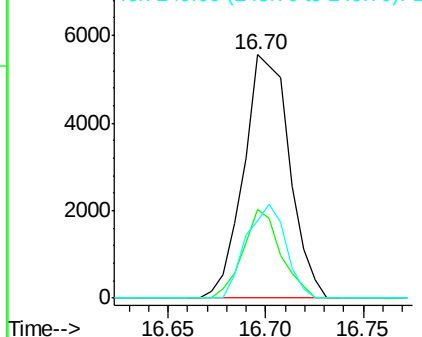


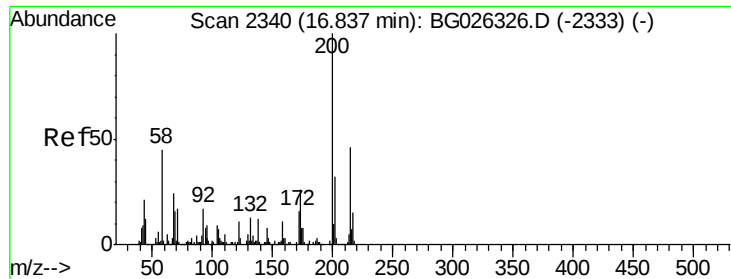
#67  
Hexachlorobenzene  
Concen: 1.16 ng  
RT: 16.70 min Scan# 2316  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 36.6  | 29.9  | 44.9  |
| 249     | 31.6  | 29.2  | 43.8  |



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





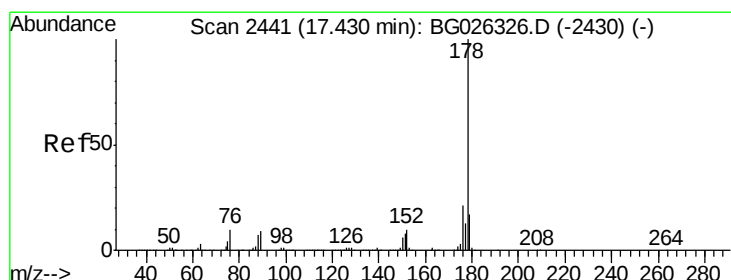
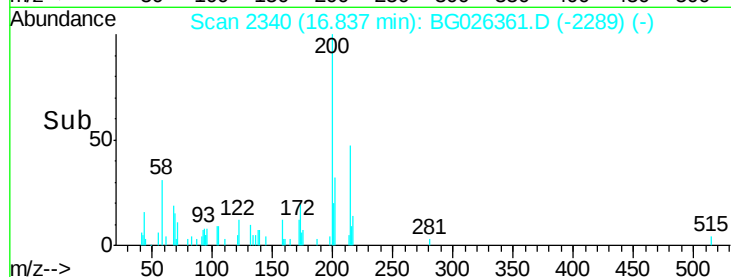
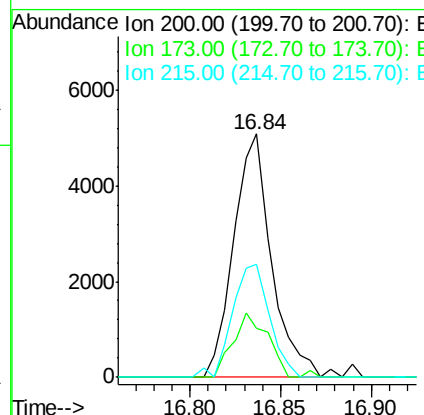
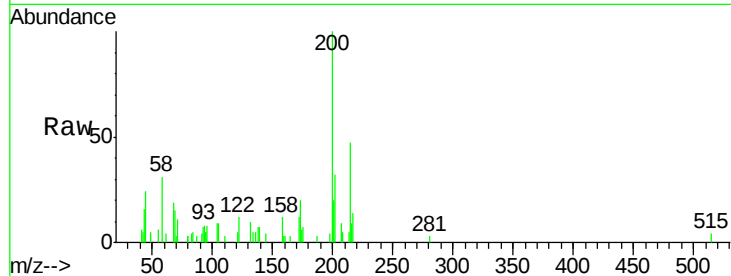
#68  
Atrazine  
Concen: 0.93 ng  
RT: 16.84 min Scan# 2340  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   | 7386 |       |       |
| 173     | 20.1  | 3.0  | 43.0  |       |
| 215     | 46.5  | 28.4 | 68.4  |       |

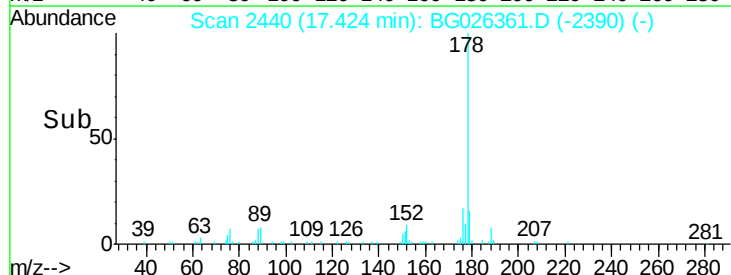
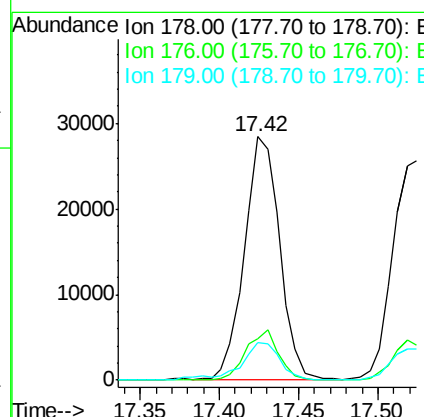
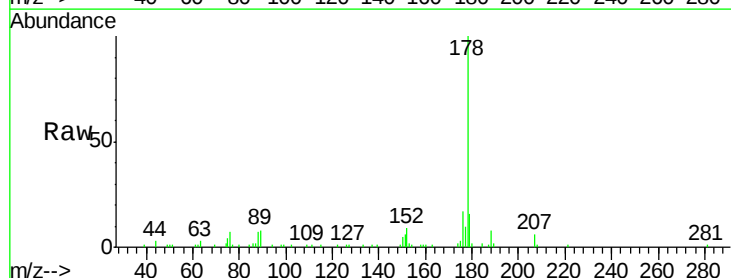
Manual Integrations  
APPROVED

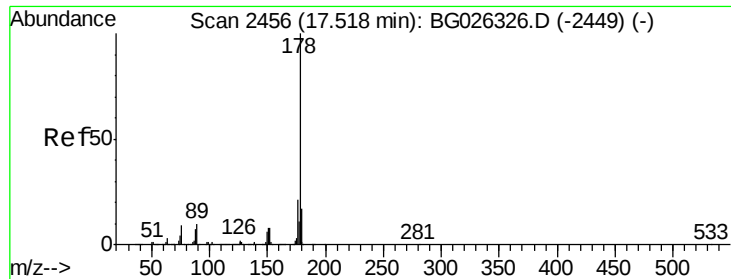
mohammad  
3/23/2017 3:31:48 PM



#70  
Phenanthrene  
Concen: 1.15 ng  
RT: 17.42 min Scan# 2440  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 44137 |       |       |
| 176     | 16.9  | 17.7  | 26.5# |       |
| 179     | 15.6  | 15.0  | 22.6  |       |





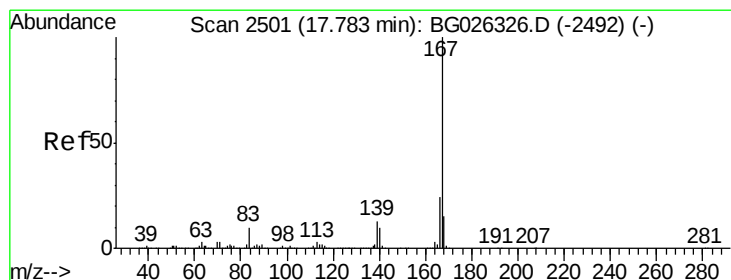
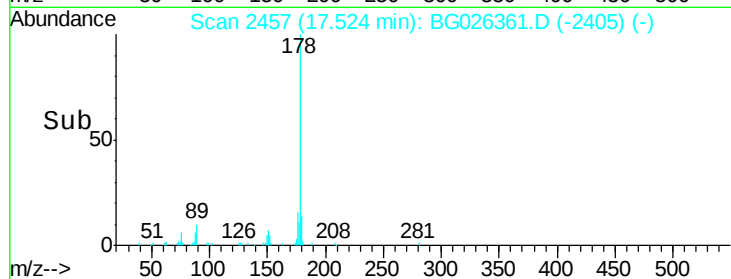
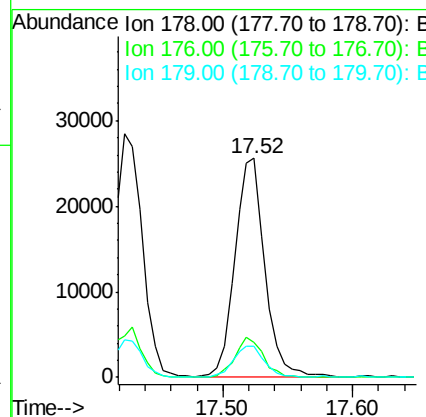
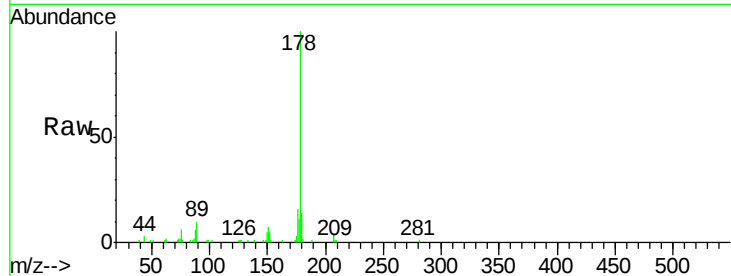
#71  
 Anthracene  
 Concen: 1.08 ng m  
 RT: 17.52 min Scan# 2457  
 Delta R.T. 0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 15.8  | 16.4  | 24.6# |
| 179     | 13.9  | 13.8  | 20.8  |

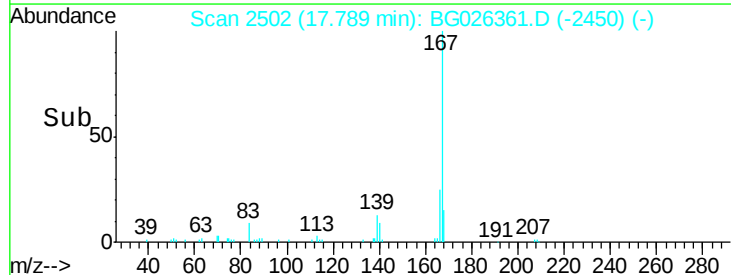
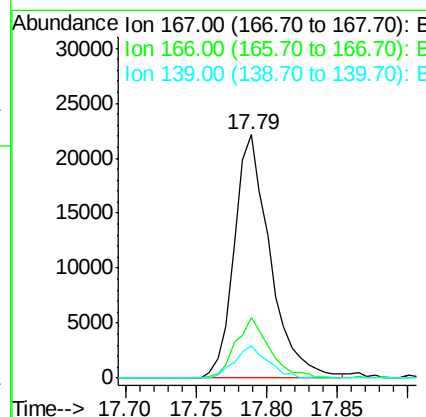
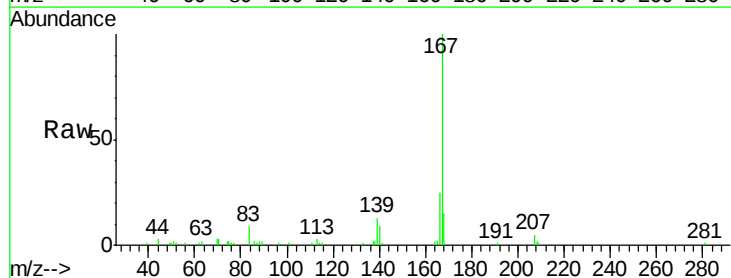
Manual Integrations  
 APPROVED

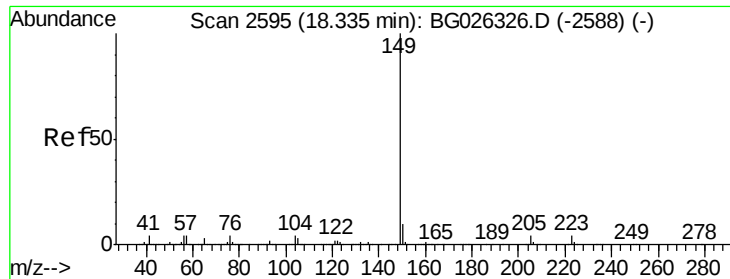
mohammad  
 3/23/2017 3:31:48 PM



#72  
 Carbazole  
 Concen: 0.98 ng  
 RT: 17.79 min Scan# 2502  
 Delta R.T. 0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.7  | 20.2  | 30.2  |
| 139     | 13.2  | 12.8  | 19.2  |





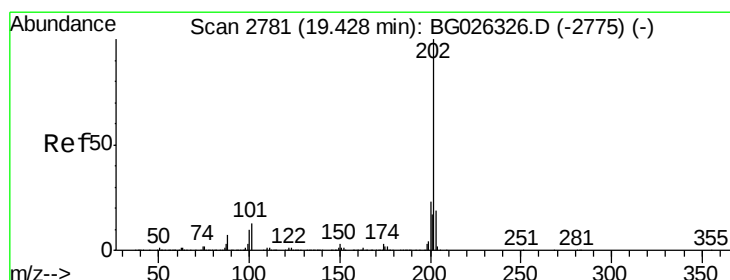
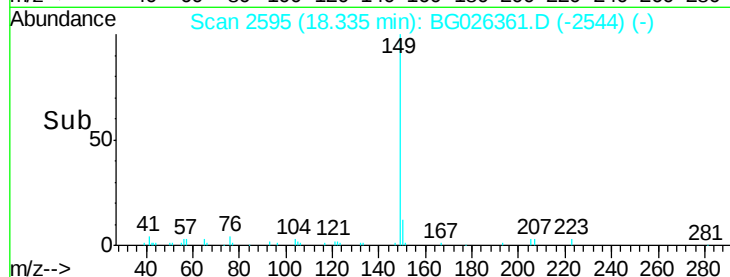
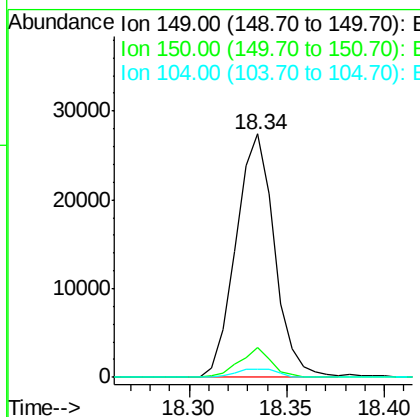
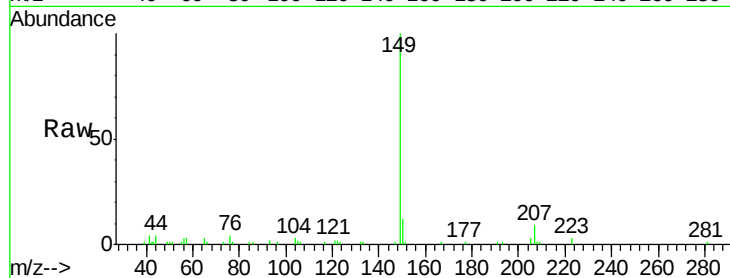
#73  
Di-n-butylphthalate  
Concen: 0.91 ng  
RT: 18.34 min Scan# 2595  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 37538 |       |       |
| 150     | 12.2  | 9.1   | 13.7  |       |
| 104     | 3.4   | 6.7   | 10.1  |       |

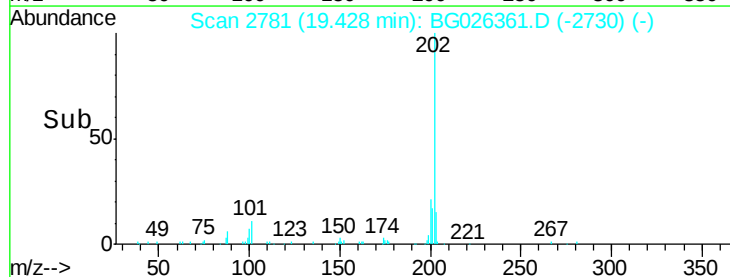
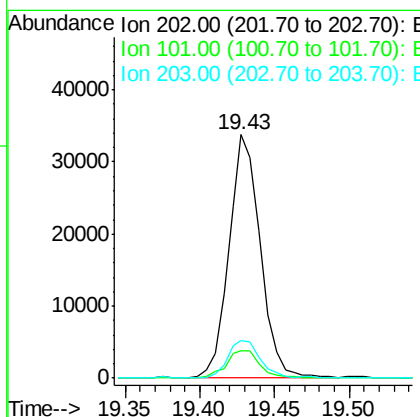
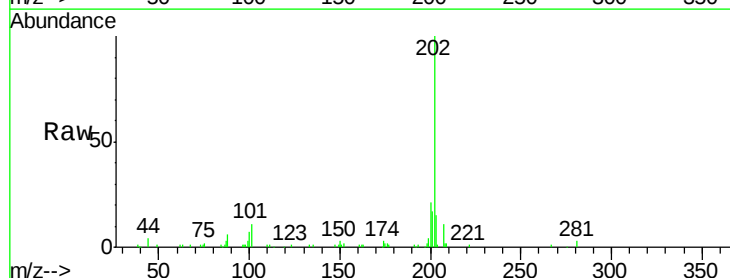
Manual Integrations  
APPROVED

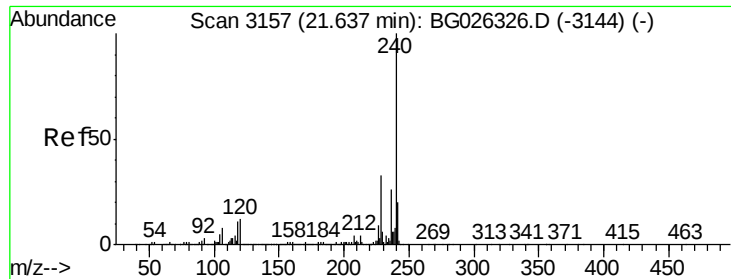
mohammad  
3/23/2017 3:31:48 PM



#74  
Fluoranthene  
Concen: 1.10 ng  
RT: 19.43 min Scan# 2781  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 202     | 100   | 49613 |       |       |
| 101     | 11.5  | 0.0   | 30.1  |       |
| 203     | 15.3  | 1.3   | 41.3  |       |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

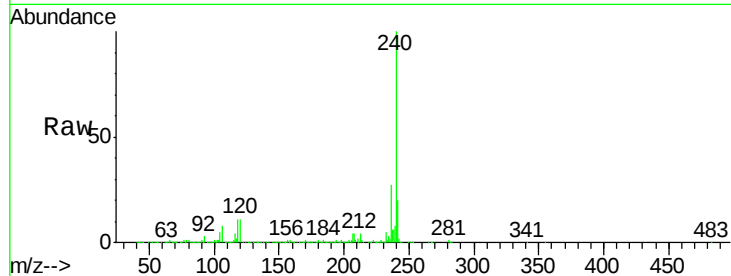
ClientSampleId :

LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.3  | 5.7   | 8.5#  |
| 236     | 26.8  | 22.2  | 33.4  |

Manual Integrations  
APPROVED

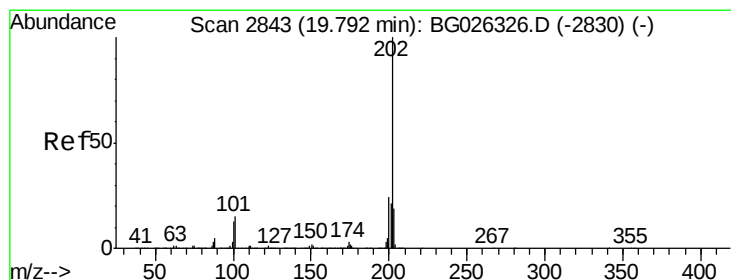
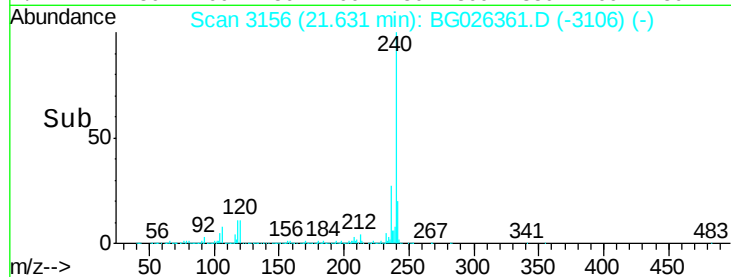
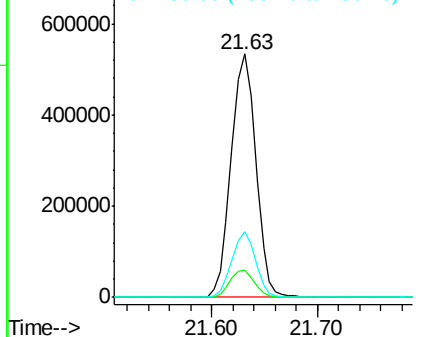
mohammad  
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 1.02 ng

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG026361.D

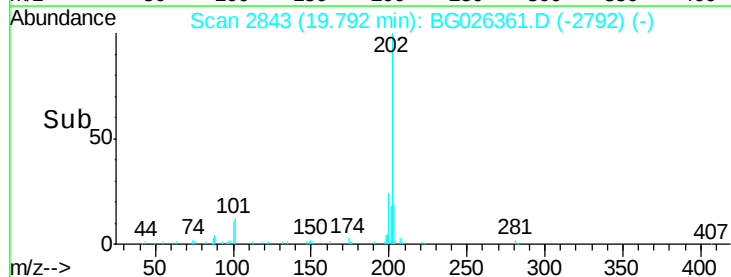
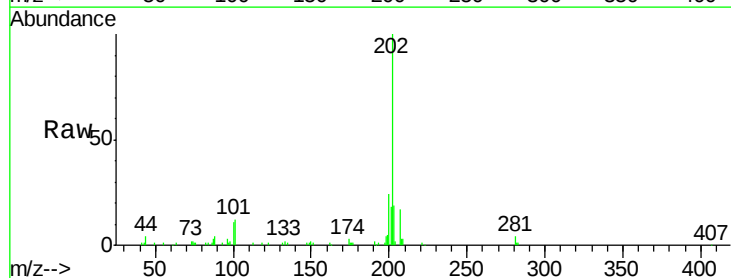
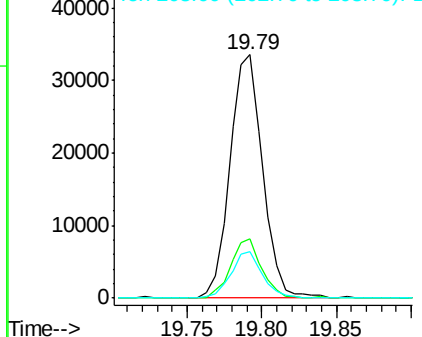
Acq: 21 Mar 2017 16:45

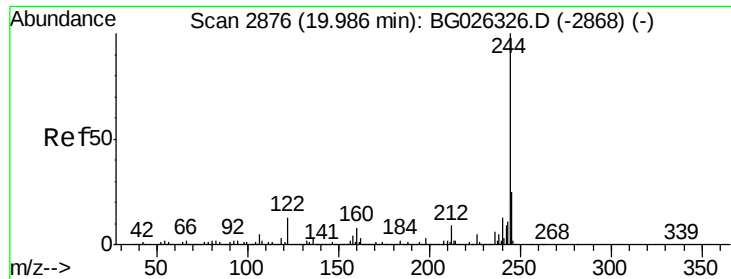
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 24.4  | 19.6  | 29.4  |
| 203     | 18.9  | 15.8  | 23.8  |

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.41 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tgt Ion:244 Resp: 2725245

Ion Ratio Lower Upper

244 100

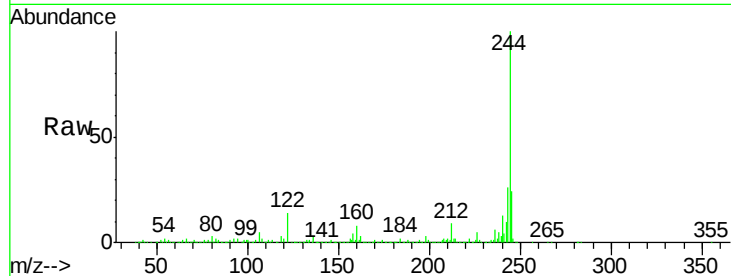
212 8.9 10.0 15.0#

122 13.9 8.6 12.8#

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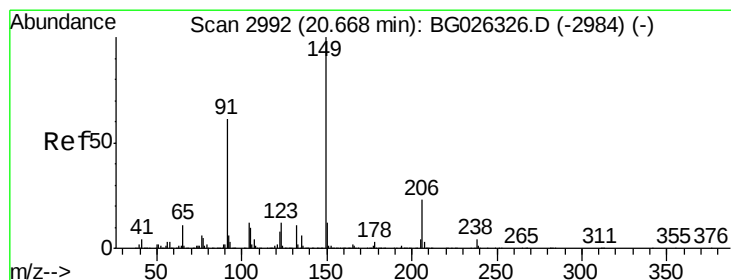
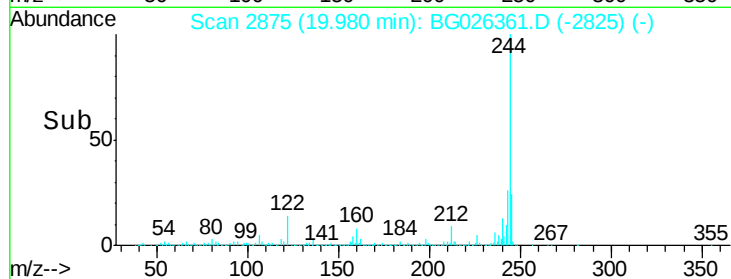
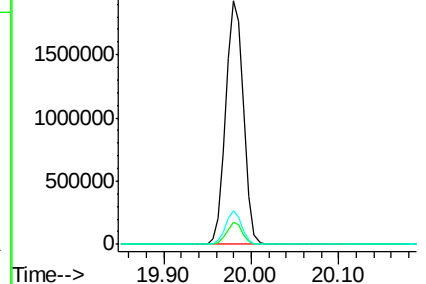
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.88 ng

RT: 20.66 min Scan# 2991

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

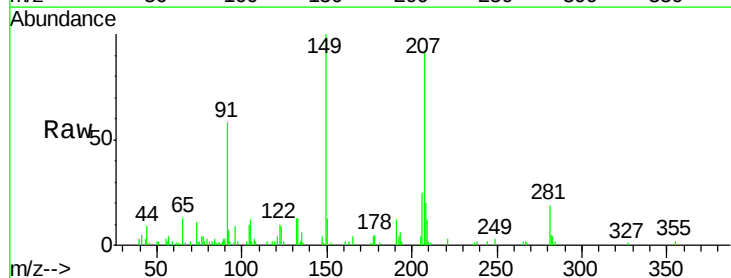
Tgt Ion:149 Resp: 17619

Ion Ratio Lower Upper

149 100

91 57.5 63.5 95.3#

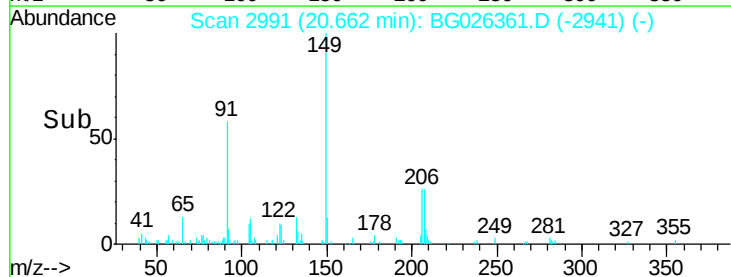
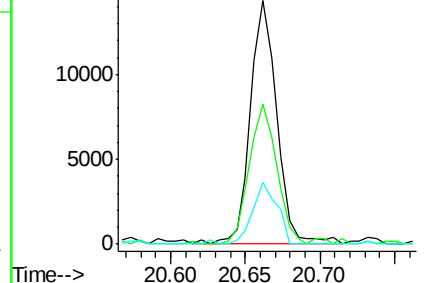
206 25.3 21.0 31.6

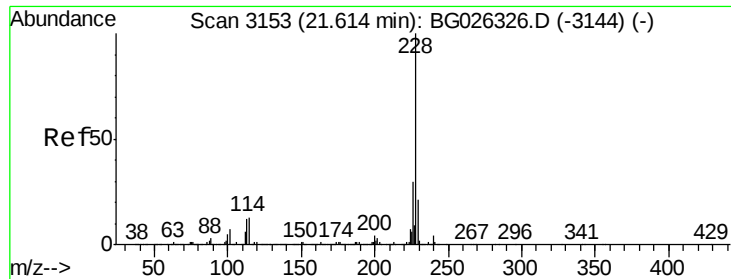


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





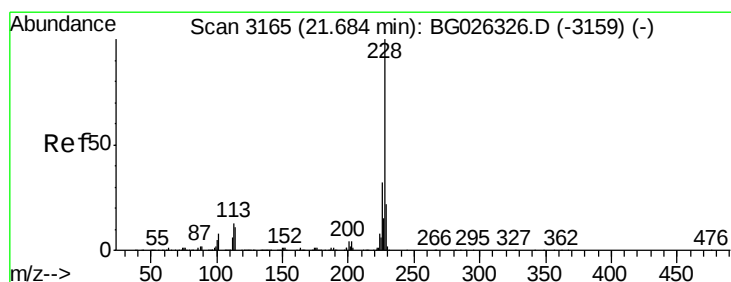
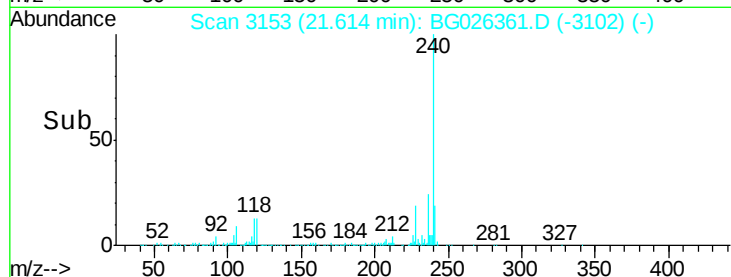
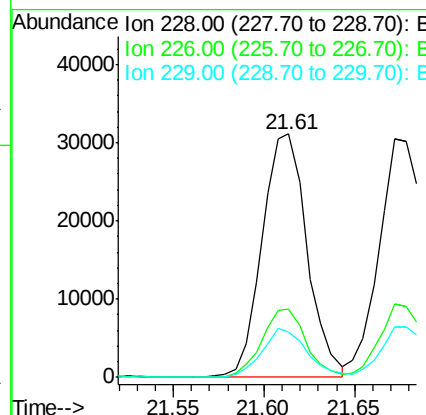
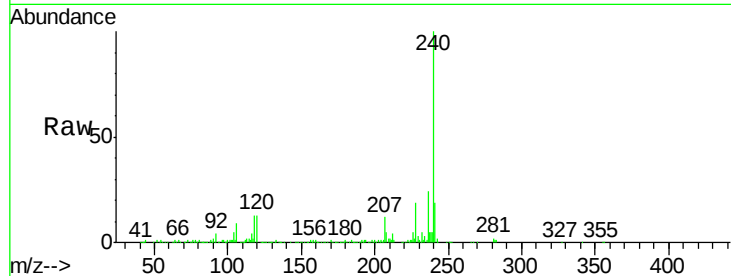
#80  
Benzo(a)anthracene  
Concen: 1.10 ng  
RT: 21.61 min Scan# 3153  
Delta R.T. -0.00 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 24.9  | 37.3  |
| 229     | 18.4  | 18.2  | 27.2  |

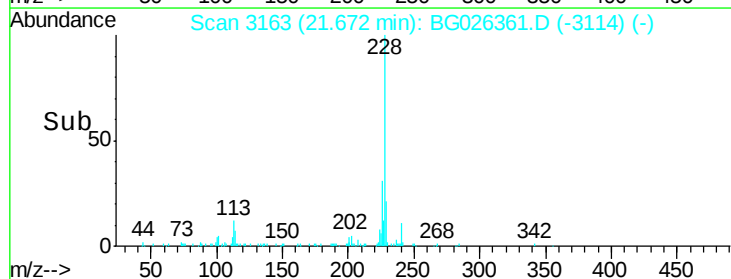
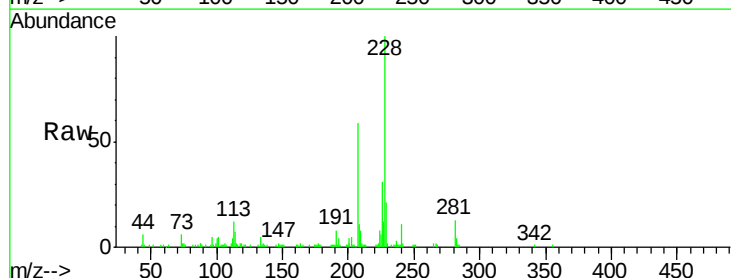
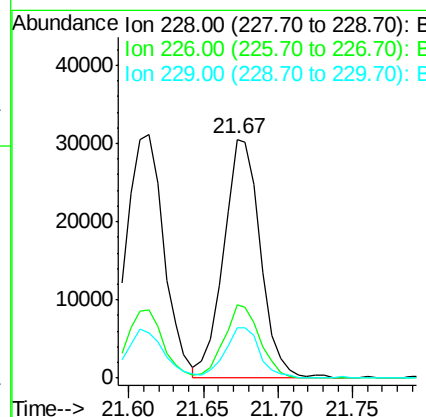
Manual Integrations  
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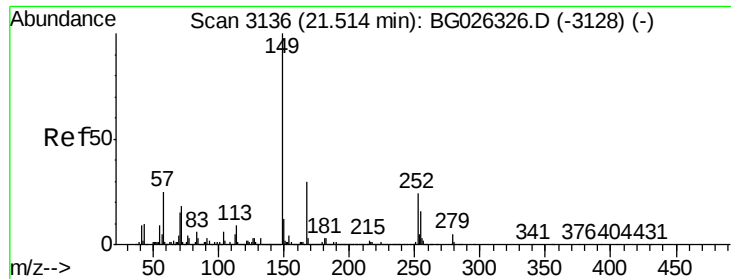
mohammad  
3/23/2017 3:31:48 PM



#82  
Chrysene  
Concen: 1.13 ng  
RT: 21.67 min Scan# 3163  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 27.0  | 40.4  |
| 229     | 20.9  | 17.8  | 26.6  |





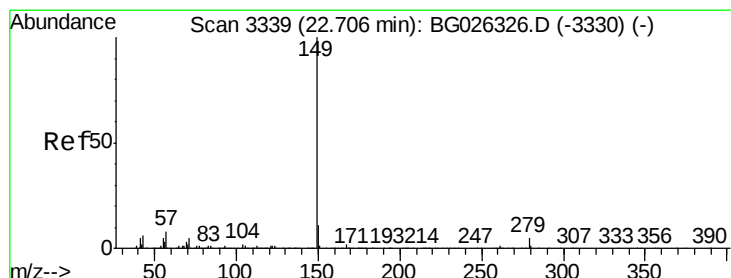
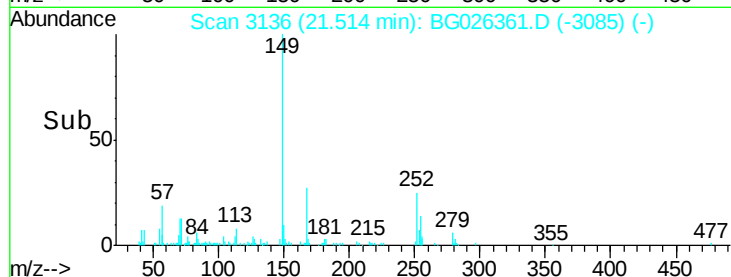
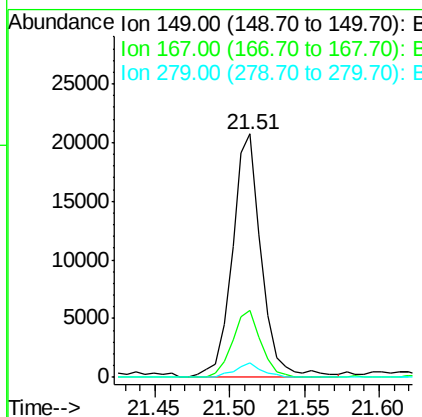
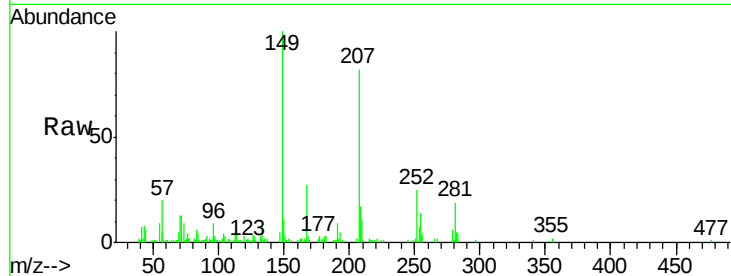
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.93 ng  
 RT: 21.51 min Scan# 3136  
 Delta R.T. -0.00 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.4  | 23.7  | 35.5  |
| 279     | 5.9   | 4.6   | 6.8   |

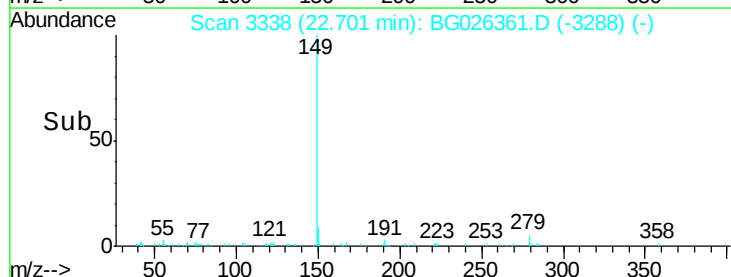
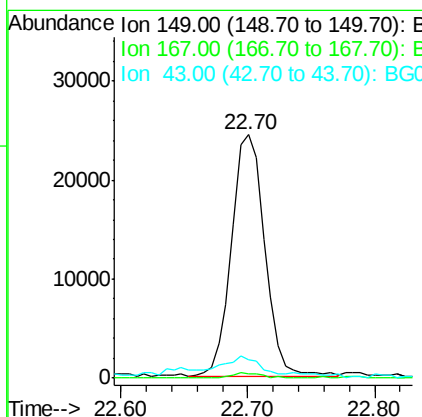
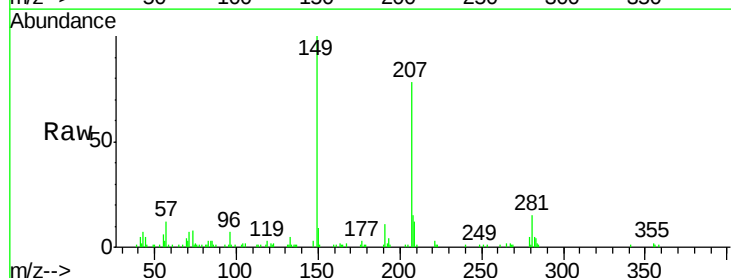
Manual Integrations  
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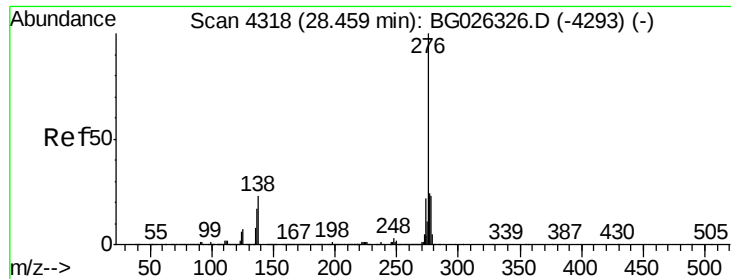
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#84  
 Di-n-octyl phthalate  
 Concen: 0.85 ng  
 RT: 22.70 min Scan# 3338  
 Delta R.T. -0.01 min  
 Lab File: BG026361.D  
 Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.4   | 2.2   |
| 43      | 7.2   | 11.8  | 17.6# |





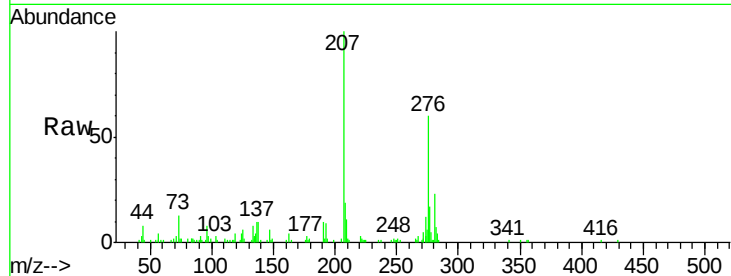
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 1.00 ng  
RT: 28.42 min Scan# 4312  
Delta R.T. -0.04 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

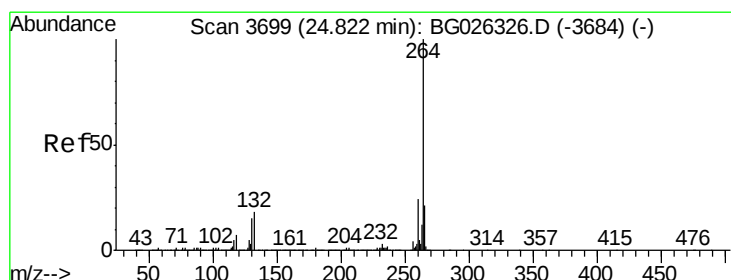
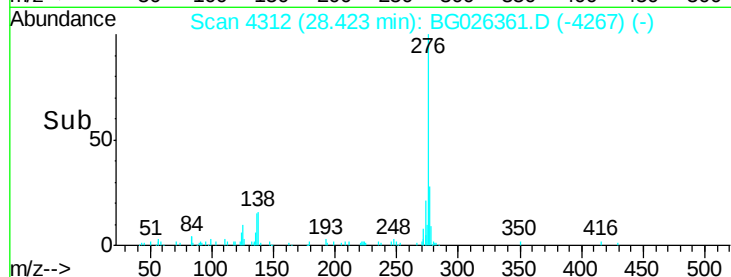
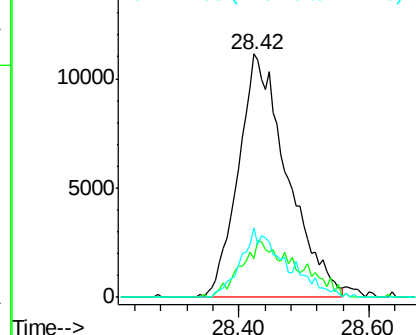
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.4  | 4.7   | 7.1#  |
| 277     | 21.3  | 20.6  | 31.0  |

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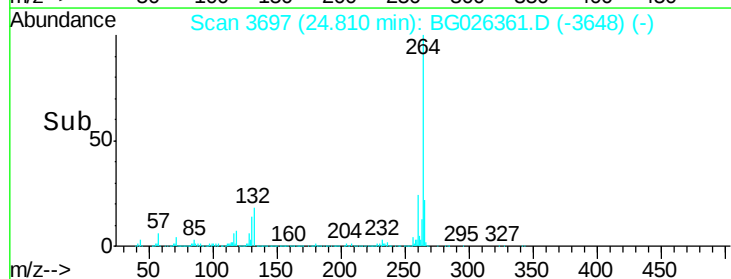
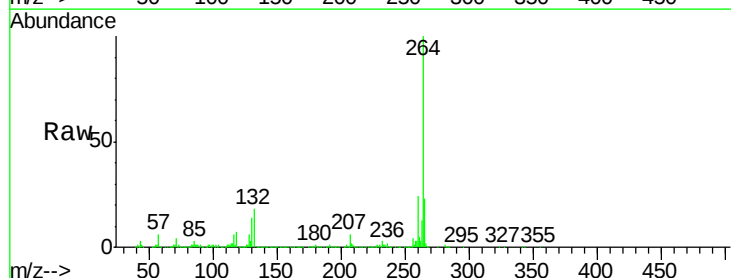
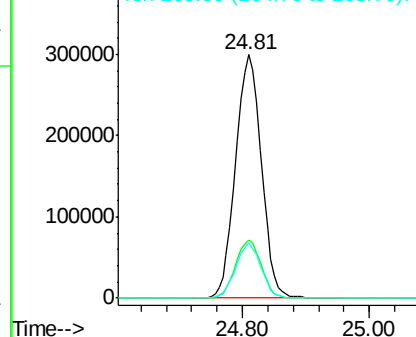
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

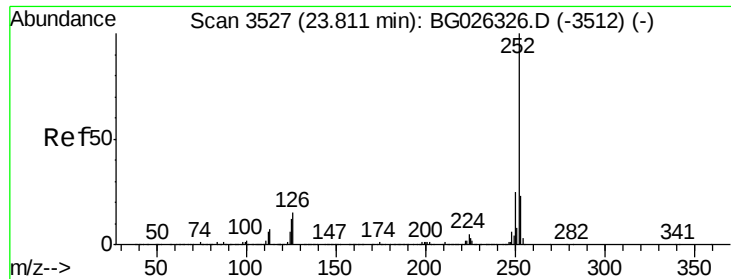


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.81 min Scan# 3697  
Delta R.T. -0.01 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 21.8  | 32.8  |
| 265     | 22.6  | 18.2  | 27.4  |

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





#87

Benzo(b)fluoranthene

Concen: 1.05 ng

RT: 23.80 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA\_G

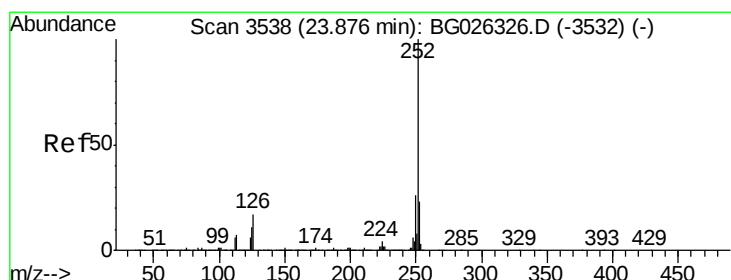
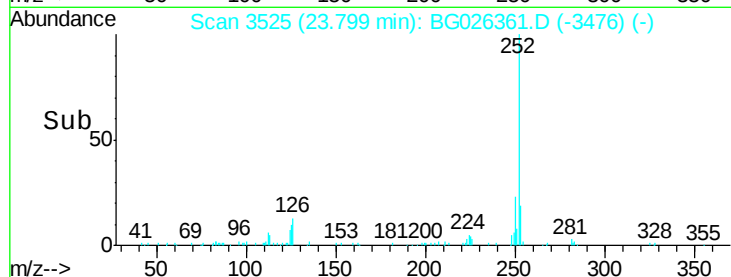
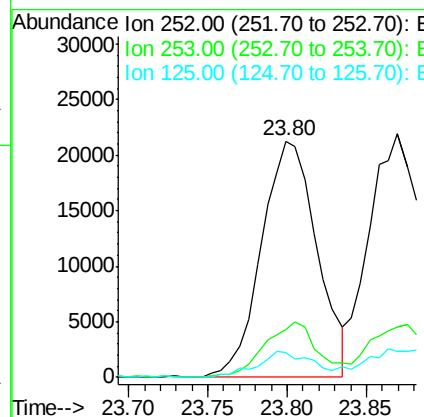
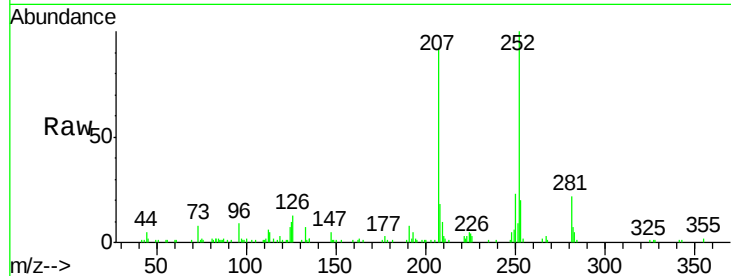
ClientSampleId :

LOD-SOIL-01-QT2-2017

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 51790 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.0  | 18.7  | 28.1  |
| 125       | 10.4  | 5.3   | 7.9#  |

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#88

Benzo(k)fluoranthene

Concen: 1.09 ng

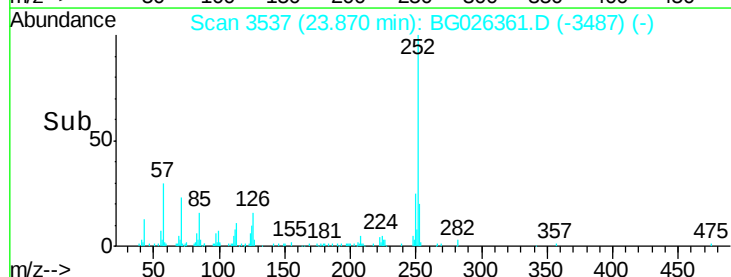
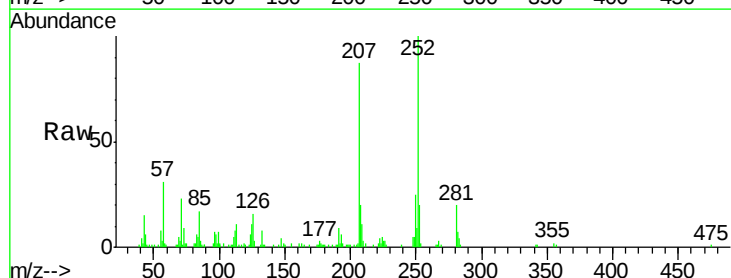
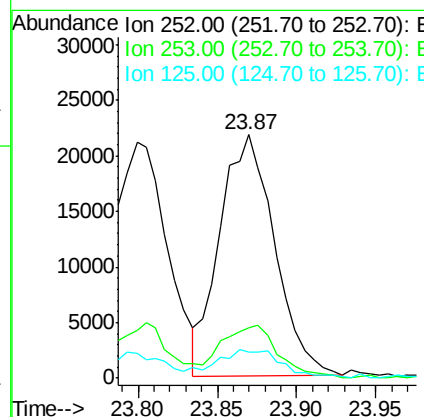
RT: 23.87 min Scan# 3537

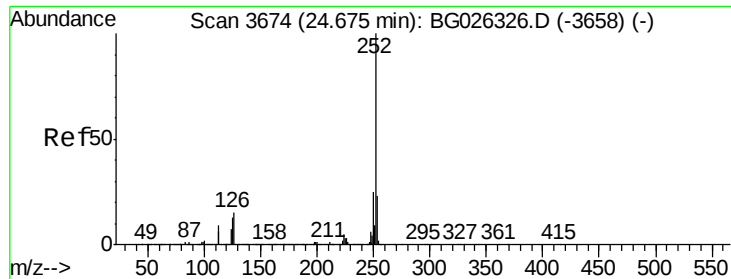
Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 52016 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.4  | 20.2  | 30.2  |
| 125       | 10.7  | 5.1   | 7.7#  |





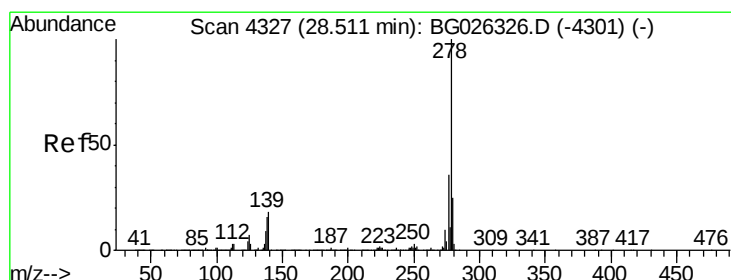
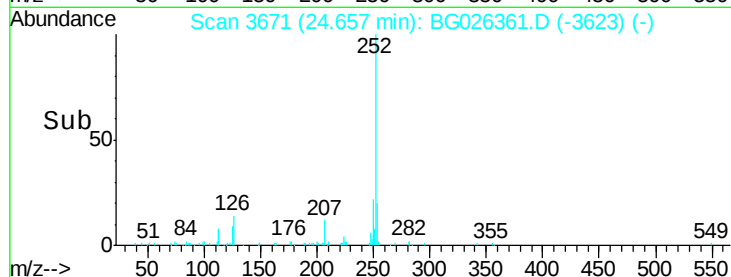
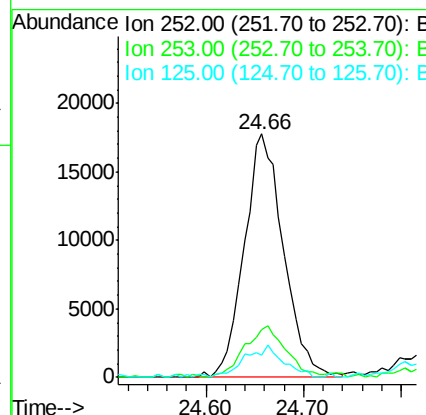
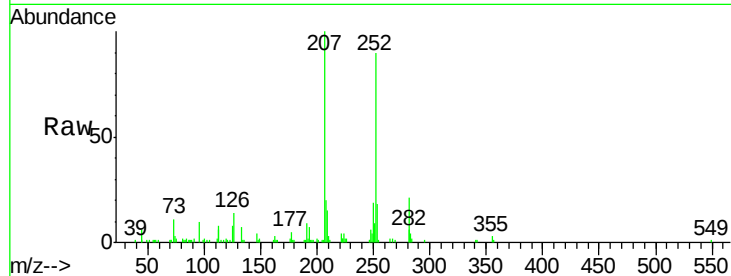
#89  
Benzo(a)pyrene  
Concen: 1.06 ng  
RT: 24.66 min Scan# 3671  
Delta R.T. -0.02 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 49961 |       |       |
| 253     | 19.6  | 19.2  | 28.8  |       |
| 125     | 9.3   | 5.4   | 8.0#  |       |

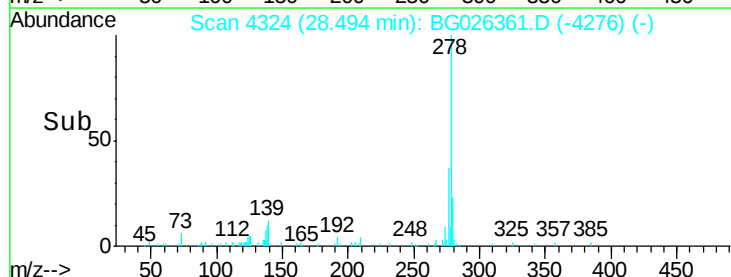
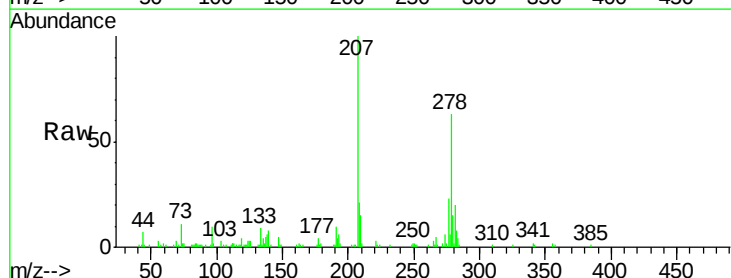
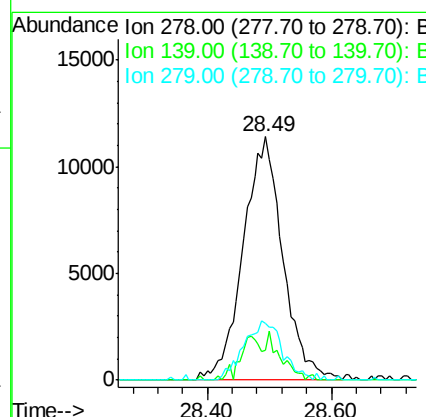
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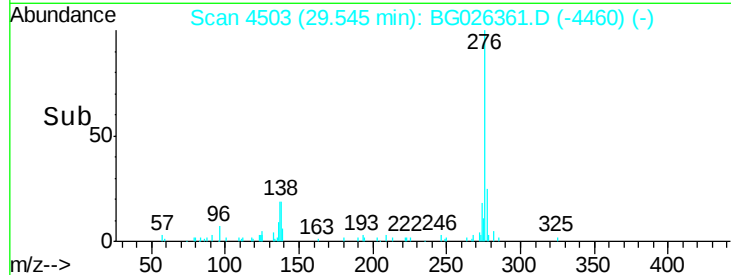
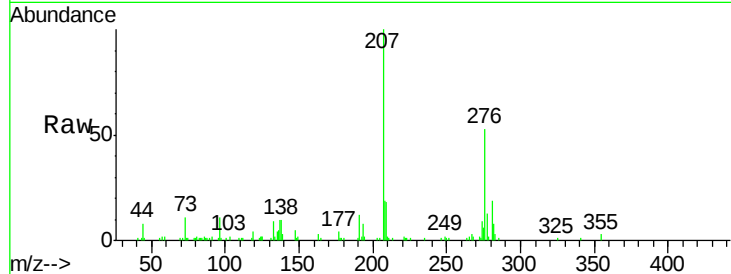
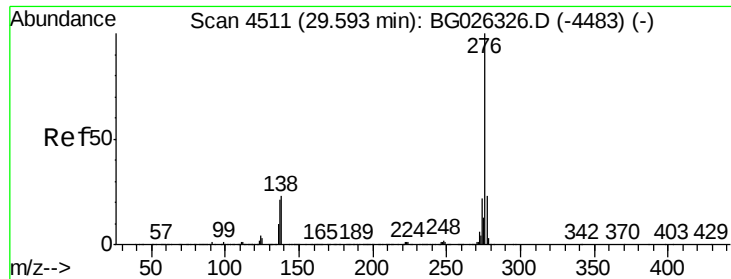
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#90  
Dibenzo(a,h)anthracene  
Concen: 1.06 ng  
RT: 28.49 min Scan# 4324  
Delta R.T. -0.02 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 278     | 100   | 50719 |       |       |
| 139     | 12.5  | 7.7   | 11.5# |       |
| 279     | 23.4  | 19.1  | 28.7  |       |





#91  
Benzo(g,h,i)perylene  
Concen: 1.02 ng m  
RT: 29.55 min Scan# 4503  
Delta R.T. -0.05 min  
Lab File: BG026361.D  
Acq: 21 Mar 2017 16:45

Instrument :  
BNA\_G  
ClientSampleId :  
LOD-SOIL-01-QT2-2017

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.2  | 18.6  | 27.8  |
| 138     | 19.2  | 8.1   | 12.1  |

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