

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\  
 Data File : BN011084.D  
 Acq On : 02 Jul 2020 13:58  
 Operator : CG/JU  
 Sample : L1955-01  
 Misc : MDL-SOIL-01  
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

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 7/7/2020 8:20:23 AM

Quant Time: Jul 02 14:32:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 30 14:12:13 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 1990     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.27 | 136  | 6449     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.14 | 164  | 3414     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 16.90 | 188  | 6770     | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.11 | 240  | 5723     | 0.40 | ng    | 0.00     |
| 36) Perylene-d12          | 23.25 | 264  | 5778     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.19  | 112 | 1955 | 0.39 | ng | 0.00 |
| 5) Phenol-d6                | 6.73  | 99  | 2011 | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.67  | 82  | 1769 | 0.32 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.87 | 152 | 3746 | 0.34 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.65 | 330 | 467  | 0.33 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.76 | 172 | 5100 | 0.32 | ng | 0.00 |
| 27) Fluoranthene-d10        | 18.94 | 212 | 7253 | 0.35 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.56 | 244 | 5628 | 0.38 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.24  | 88  | 229   | 0.082  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 88    | 0.062  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 6.97  | 93  | 438   | 0.085  | ng | 98   |
| 9) Naphthalene                 | 10.32 | 128 | 1731  | 0.090  | ng | # 89 |
| 10) Hexachlorobutadiene        | 10.61 | 225 | 455   | 0.093  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.95 | 142 | 1083  | 0.084  | ng | 95   |
| 16) Acenaphthylene             | 13.85 | 152 | 1431  | 0.084  | ng | 97   |
| 17) Acenaphthene               | 14.21 | 154 | 958   | 0.083  | ng | 99   |
| 18) Fluorene                   | 15.21 | 166 | 1191  | 0.082  | ng | 99   |
| 20) 4,6-Dinitro-2-methylphenol | 15.36 | 198 | 43    | 0.059  | ng | # 14 |
| 21) 4-Bromophenyl-phenylether  | 16.11 | 248 | 349m  | 0.078  | ng |      |
| 22) Hexachlorobenzene          | 16.20 | 284 | 446   | 0.084  | ng | 95   |
| 23) Atrazine                   | 16.40 | 200 | 309   | 0.097  | ng | # 75 |
| 24) Pentachlorophenol          | 16.57 | 266 | 283   | 0.198  | ng | 88   |
| 25) Phenanthrene               | 16.93 | 178 | 1799  | 0.082  | ng | 99   |
| 26) Anthracene                 | 17.04 | 178 | 1454  | 0.080  | ng | 99   |
| 28) Fluoranthene               | 18.97 | 202 | 2094  | 0.085  | ng | 99   |
| 30) Pvrene                     | 19.33 | 202 | 2049  | 0.096  | ng | 99   |
| 32) Benzo(a)anthracene         | 21.10 | 228 | 1641m | 0.086  | ng |      |
| 33) Chrysene                   | 21.15 | 228 | 2051  | 0.093  | ng | 96   |
| 34) Bis(2-ethylhexyl)phthalate | 21.05 | 149 | 1062  | 0.137  | ng | # 97 |
| 35) Indeno(1,2,3-cd)pyrene     | 25.36 | 276 | 1916  | 0.084  | ng | # 86 |
| 37) Benzo(b)fluoranthene       | 22.62 | 252 | 1993  | 0.086  | ng | # 64 |
| 38) Benzo(k)fluoranthene       | 22.67 | 252 | 2158  | 0.087  | ng | # 62 |
| 39) Benzo(a)pyrene             | 23.16 | 252 | 1583  | 0.079  | ng | # 45 |
| 40) Dibenzo(a,h)anthracene     | 25.38 | 278 | 1482  | 0.072  | ng | # 50 |
| 41) Benzo(g,h,i)perylene       | 25.99 | 276 | 1888  | 0.084  | ng | # 84 |

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

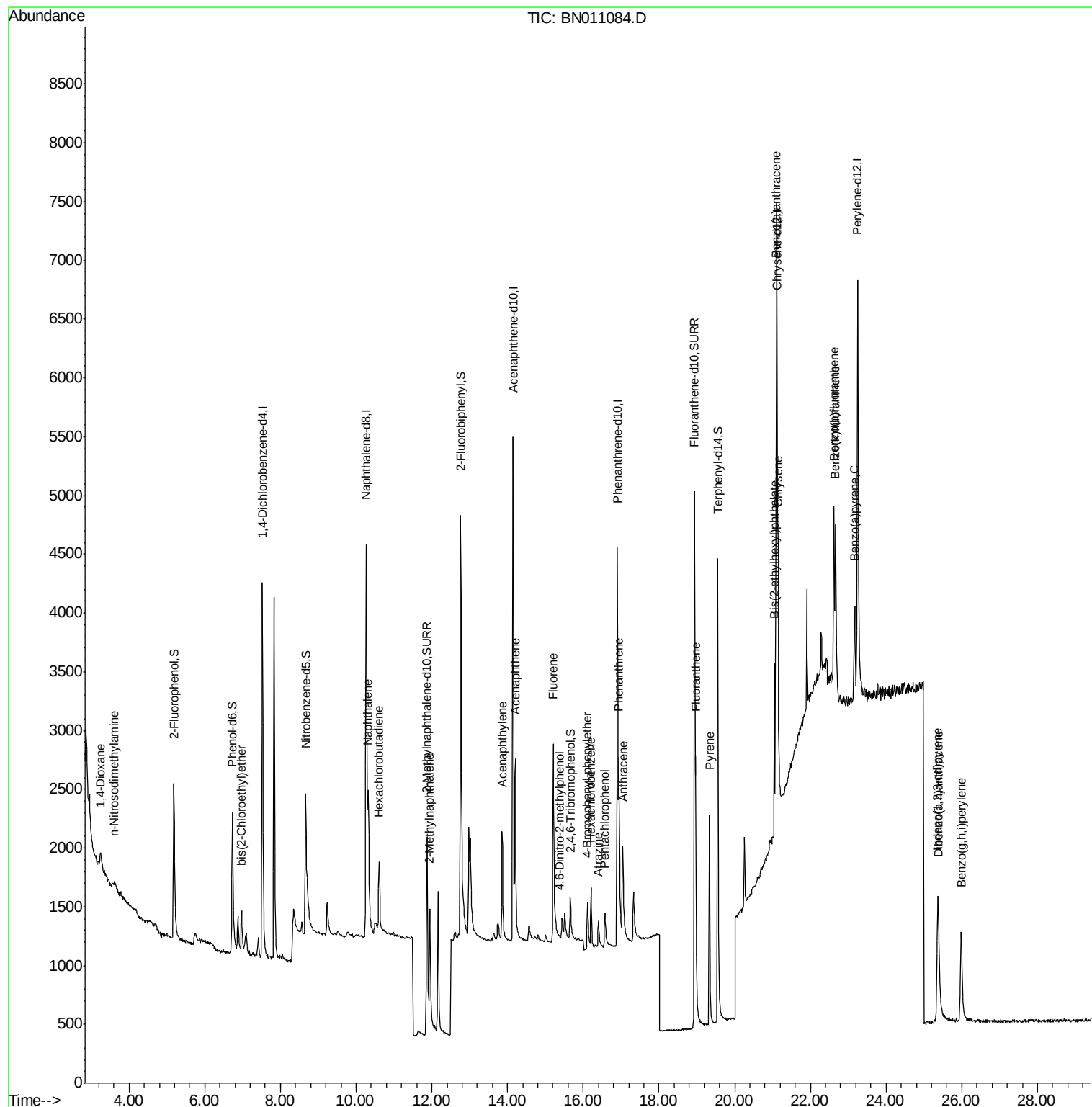
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\  
Data File : BN011084.D  
Acq On : 02 Jul 2020 13:58  
Operator : CG/JU  
Sample : L1955-01  
Misc : MDL-SOIL-01  
ALS Vial : 4 Sample Multiplier: 1

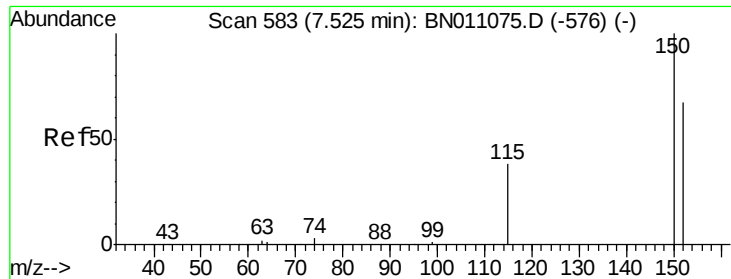
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-01

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Quant Time: Jul 02 14:32:09 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 30 14:12:13 2020  
Response via : Initial Calibration





#1

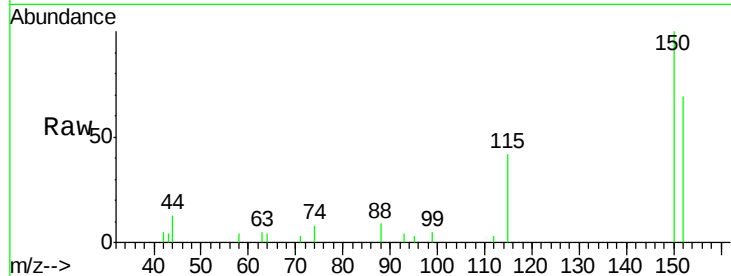
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.52 min Scan# 583  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

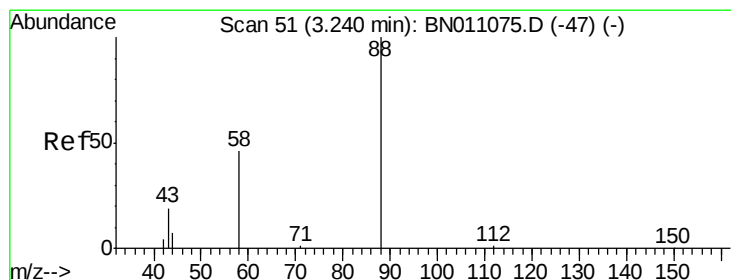
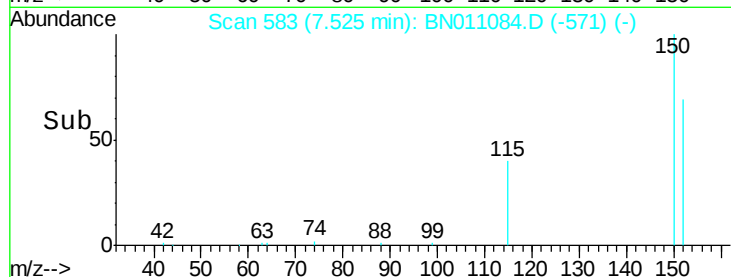
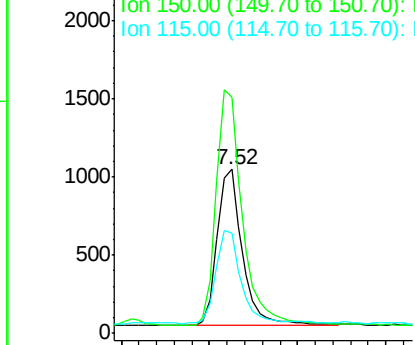
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.9 | 117.4 | 176.0 |
| 115     | 60.9  | 47.9  | 71.9  |

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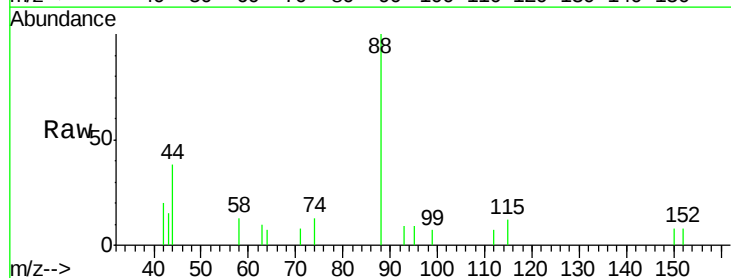
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



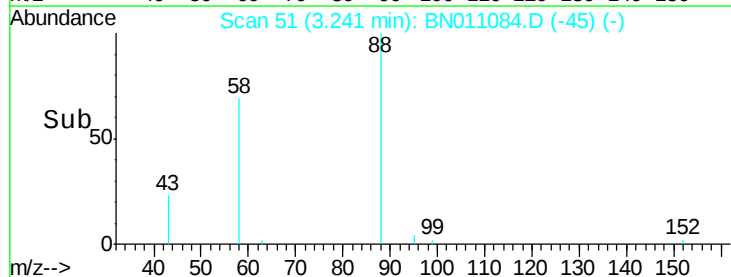
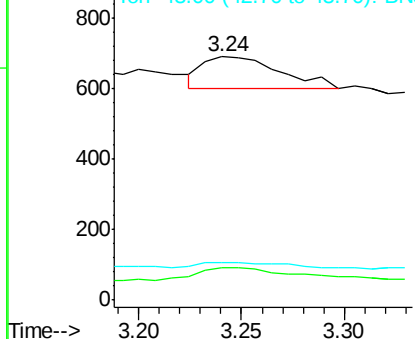
#2

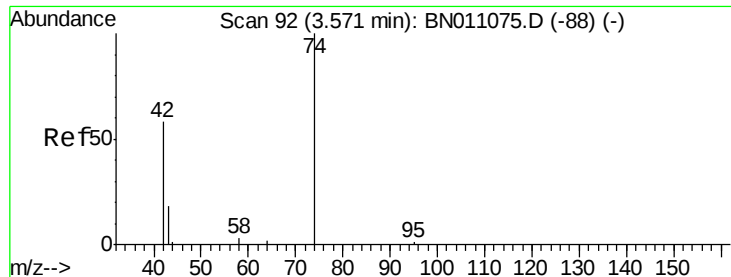
1,4-Dioxane  
Concen: 0.082 ng  
RT: 3.24 min Scan# 51  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 49.8  | 38.6  | 57.8  |
| 43      | 18.8  | 15.4  | 23.0  |



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

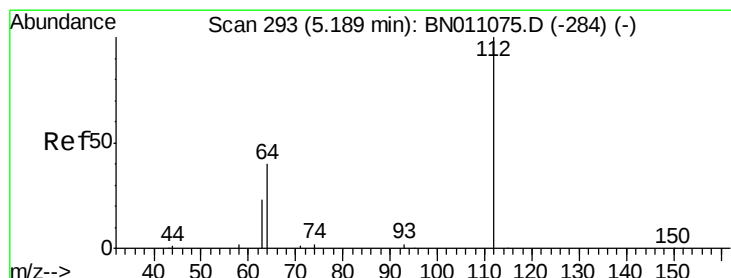
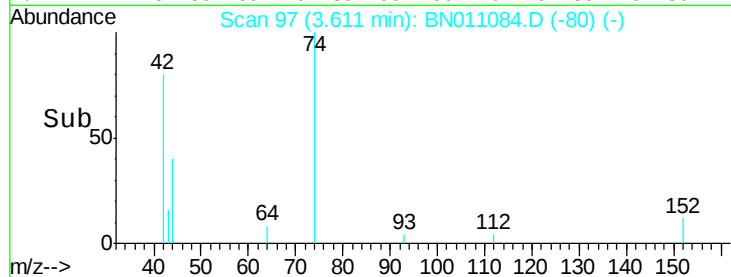
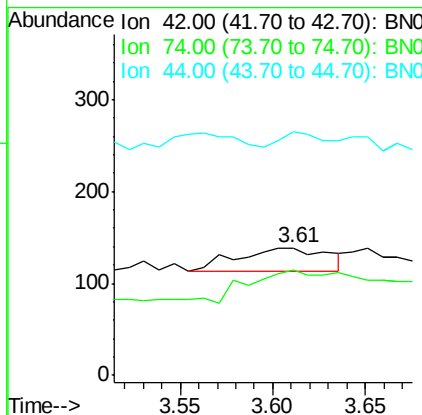
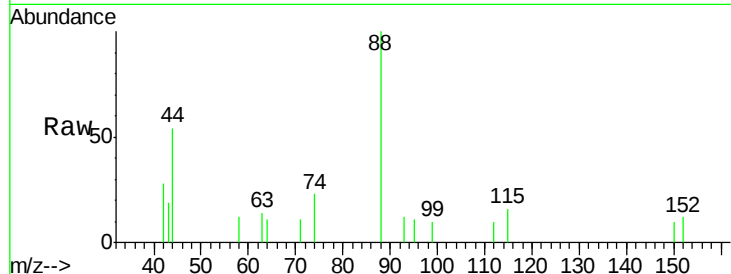
n-Nitrosodimethylamine  
 Concen: 0.062 ng  
 RT: 3.61 min Scan# 97  
 Delta R.T. 0.04 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

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

| Tot Ion   | 42    | Resp | 88   |
|-----------|-------|------|------|
| Ion Ratio | 100   |      |      |
| Lower     | 142.5 |      |      |
| Upper     | 213.7 |      |      |
| 44        | 27.3  | 0.0  | 0.0# |

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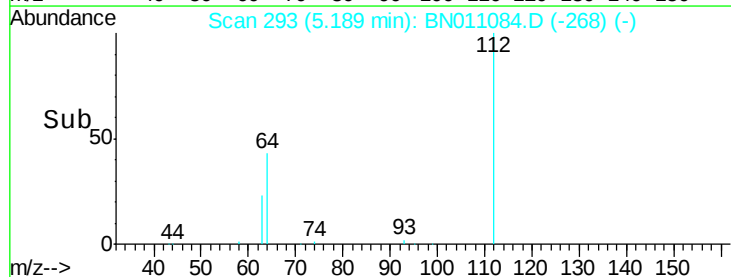
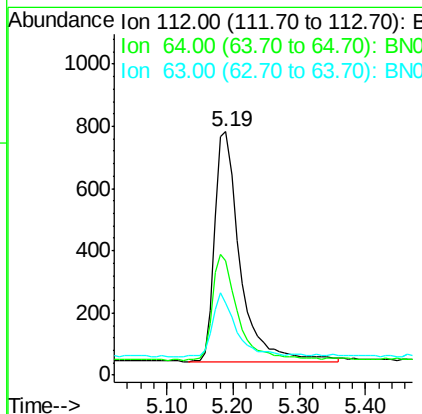
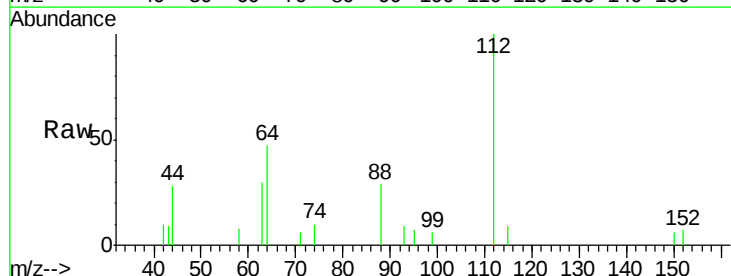
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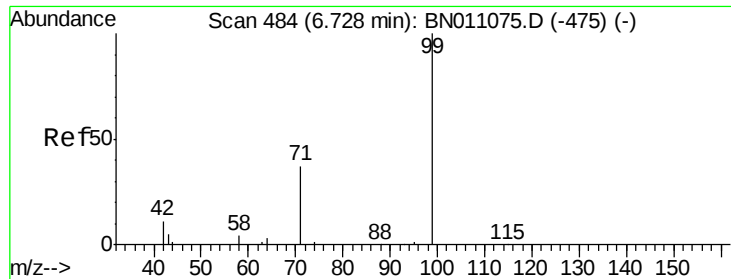


#4

2-Fluorophenol  
 Concen: 0.395 ng  
 RT: 5.19 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

| Tgt Ion   | 112  | Resp | 1955 |
|-----------|------|------|------|
| Ion Ratio | 100  |      |      |
| Lower     | 36.5 |      |      |
| Upper     | 54.7 |      |      |
| 64        | 45.6 | 20.6 | 30.8 |
| 63        | 26.0 |      |      |





#5

Phenol-d6

Concen: 0.353 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

Instrument :

BNA\_N

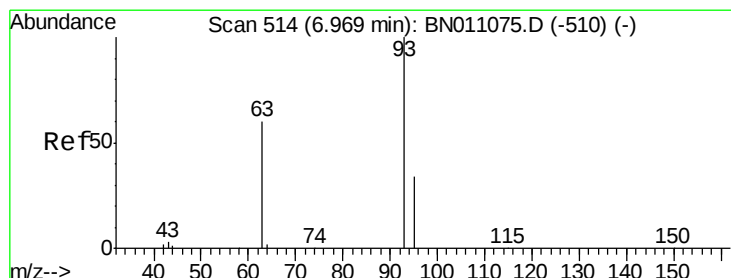
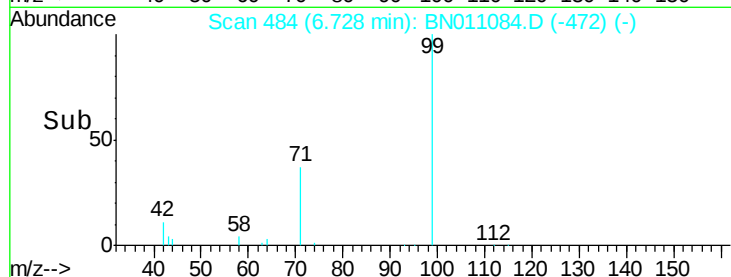
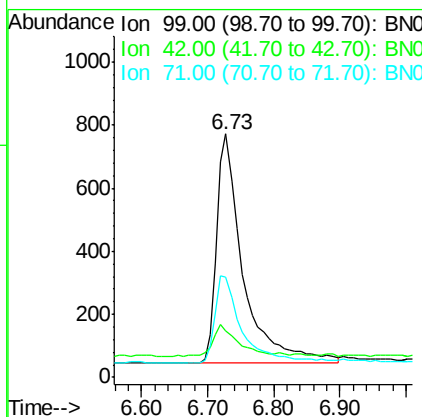
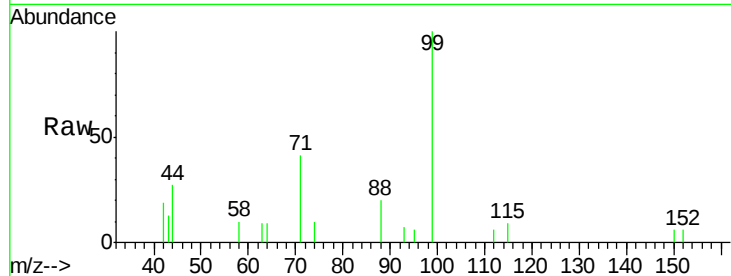
ClientSampled :

MDL-SOIL-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 2011  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 12.6  | 9.8   | 14.8  |
| 71       | 38.7  | 30.7  | 46.1  |

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#6

bis(2-Chloroethyl)ether

Concen: 0.085 ng

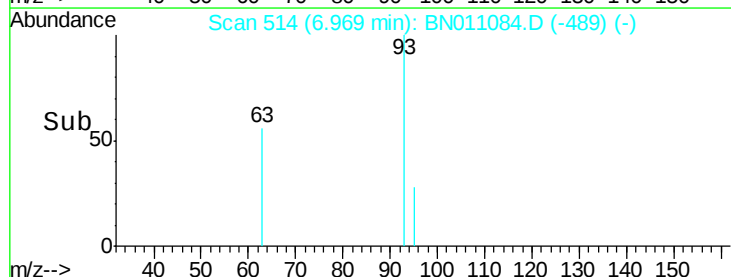
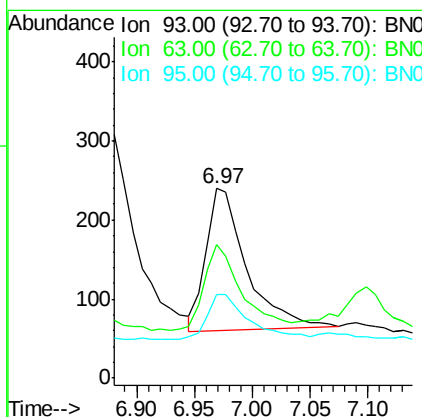
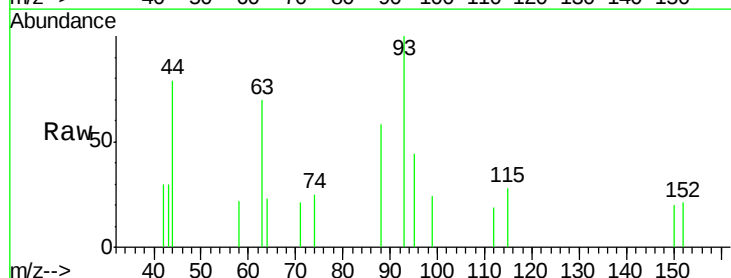
RT: 6.97 min Scan# 514

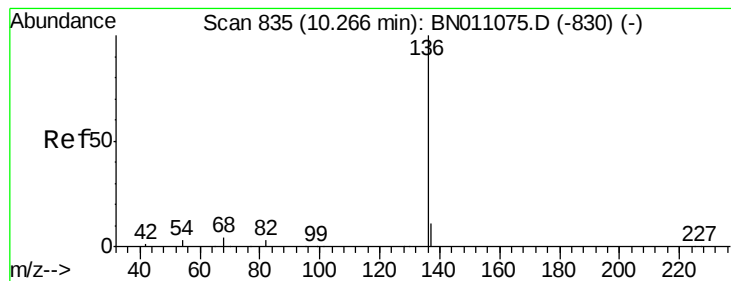
Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 438   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 57.5  | 47.4  | 71.2  |
| 95       | 32.4  | 26.4  | 39.6  |





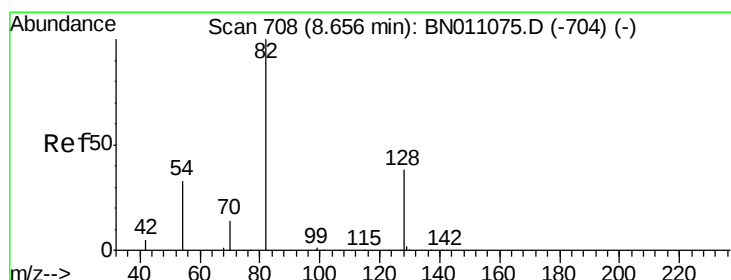
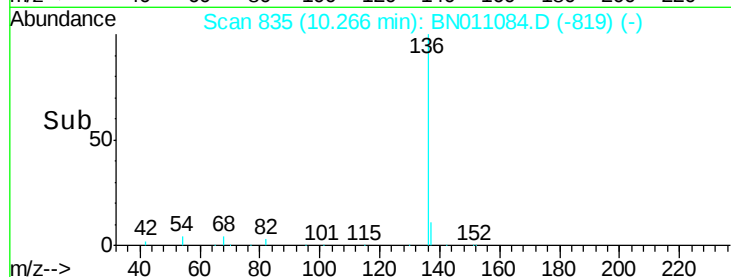
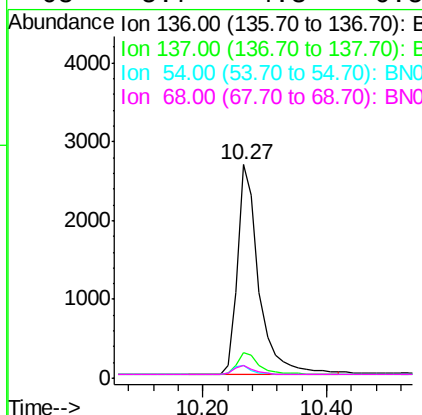
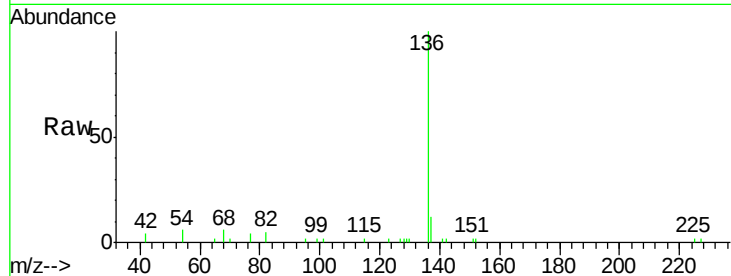
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.27 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 136   | Resp: | 6449 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.3  | 9.6   | 14.4 |
| 54        | 6.1   | 3.8   | 5.6  |
| 68        | 5.7   | 4.3   | 6.5  |

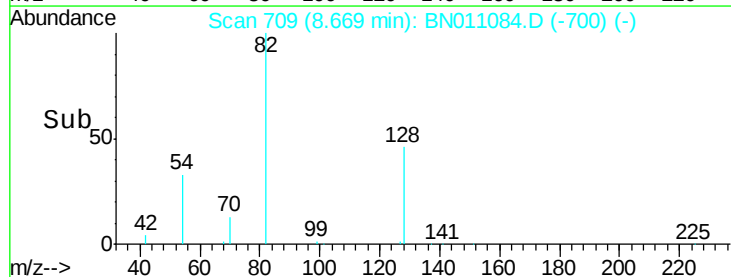
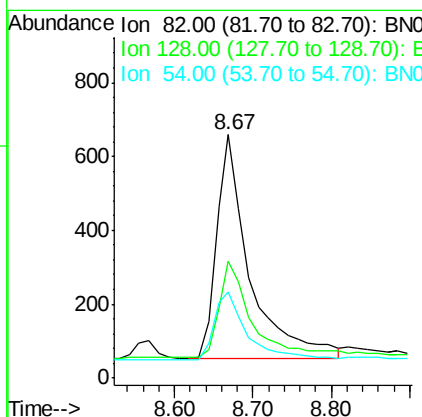
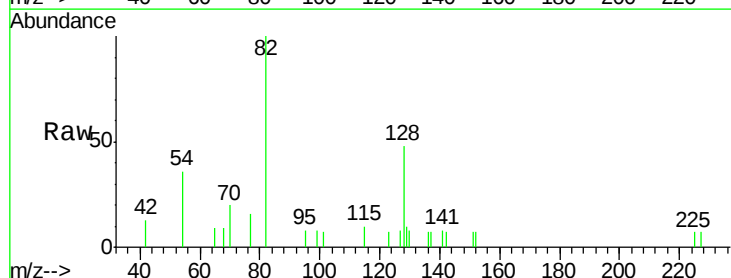
Manual Integrations  
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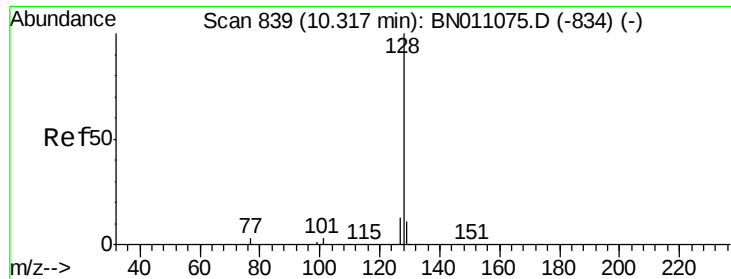
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#8  
Nitrobenzene-d5  
Concen: 0.323 ng  
RT: 8.67 min Scan# 709  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1769 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 48.3  | 34.2  | 51.2 |
| 54        | 35.5  | 29.4  | 44.0 |





#9

Naphthalene

Concen: 0.090 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

Instrument :

BNA\_N

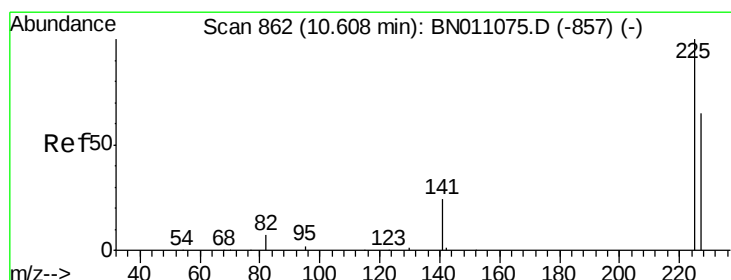
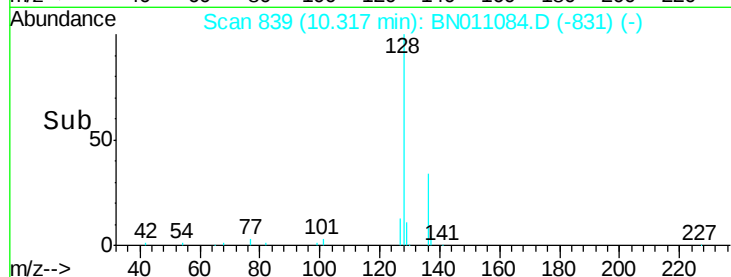
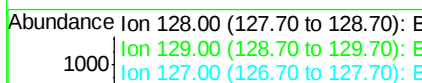
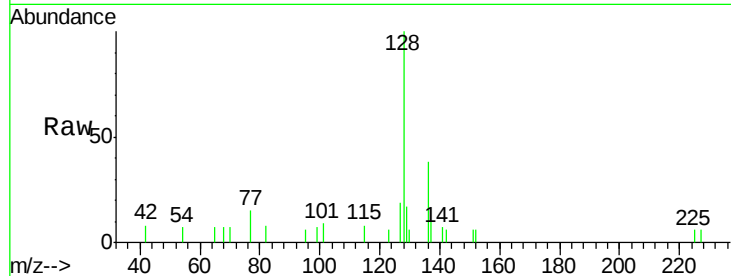
ClientSampled :

MDL-SOIL-01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 1731  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 17.1  | 9.8   | 14.8# |
| 127       | 18.5  | 11.3  | 16.9# |

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#10

Hexachlorobutadiene

Concen: 0.093 ng

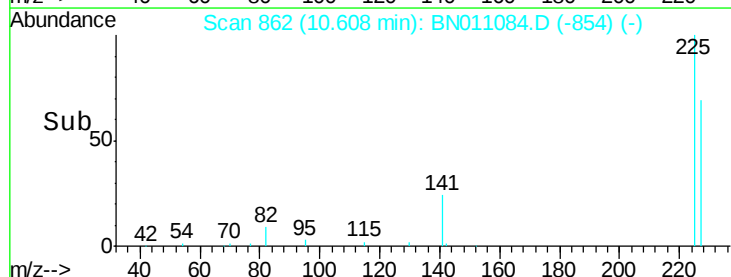
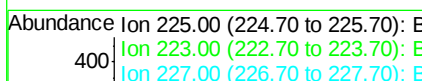
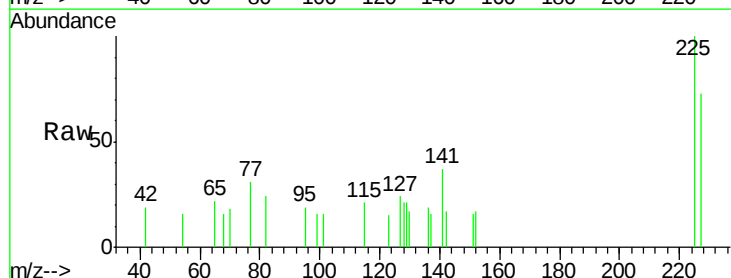
RT: 10.61 min Scan# 862

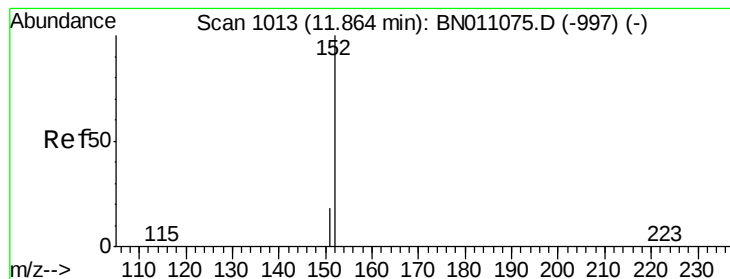
Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 455  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 65.3  | 51.4  | 77.2 |





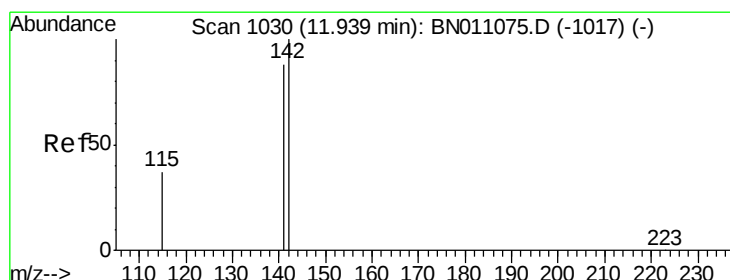
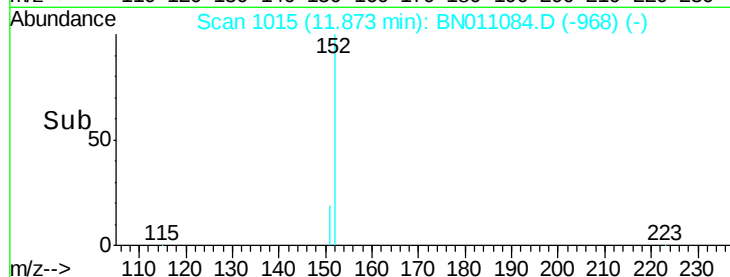
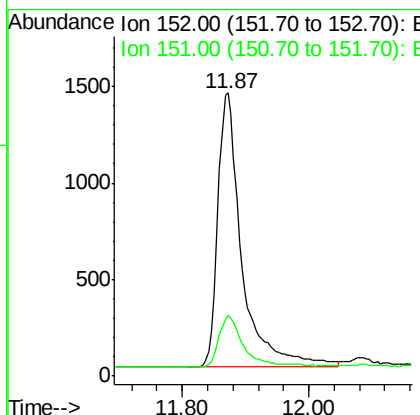
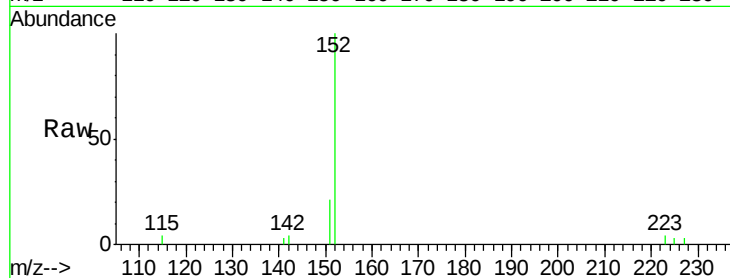
#11  
2-Methylnaphthalene-d10  
Concen: 0.336 ng  
RT: 11.87 min Scan# 1015  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.3  | 16.6  | 24.8  |

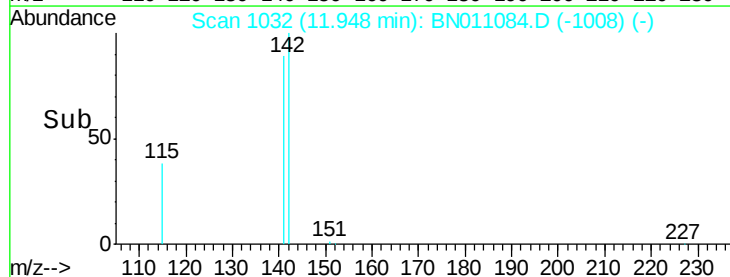
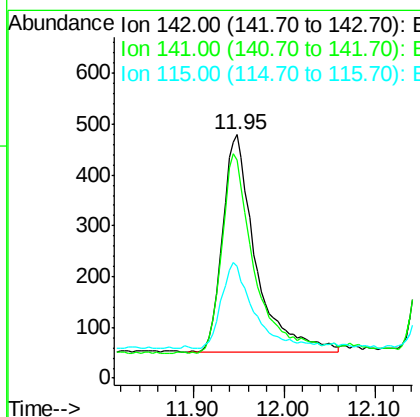
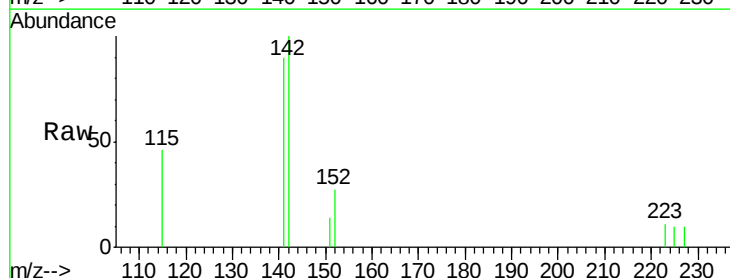
Manual Integrations  
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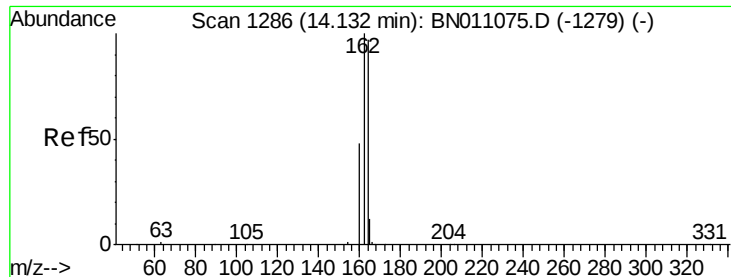
Sohil  
7/7/2020 8:20:23 AM



#12  
2-Methylnaphthalene  
Concen: 0.084 ng  
RT: 11.95 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.8  | 70.3  | 105.5 |
| 115     | 46.1  | 31.2  | 46.8  |





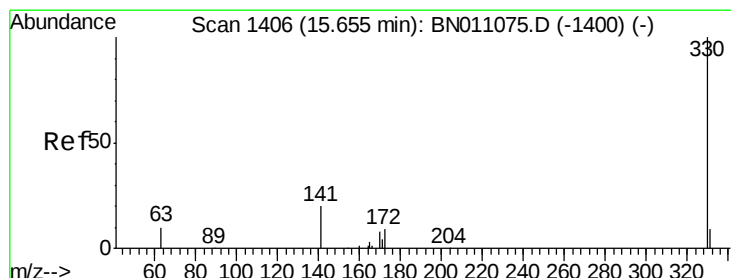
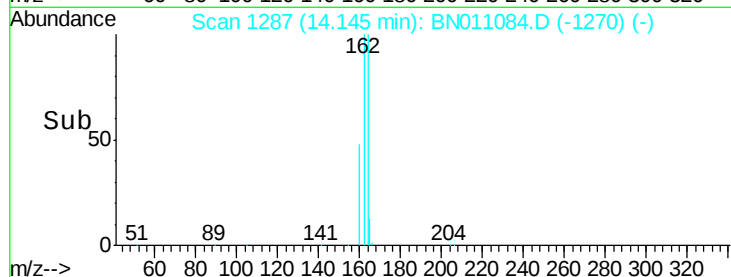
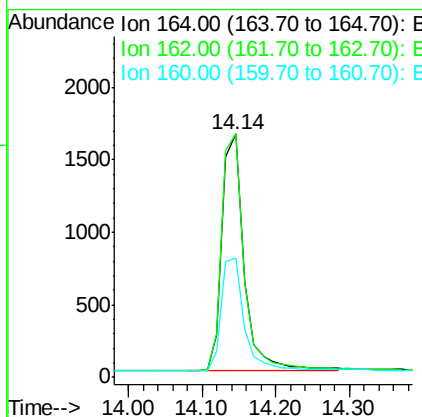
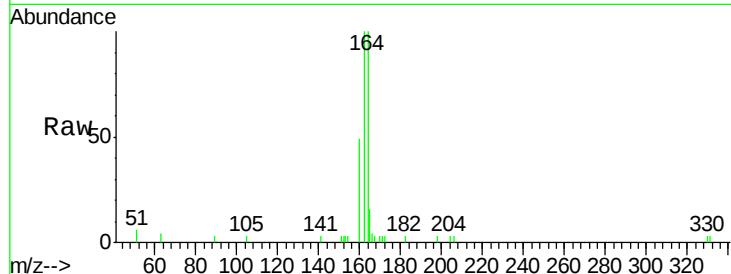
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.14 min Scan# 1287  
 Delta R.T. 0.01 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.8  | 82.3  | 123.5 |
| 160     | 49.1  | 40.6  | 61.0  |

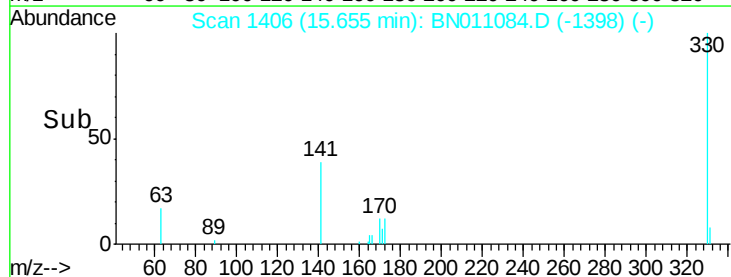
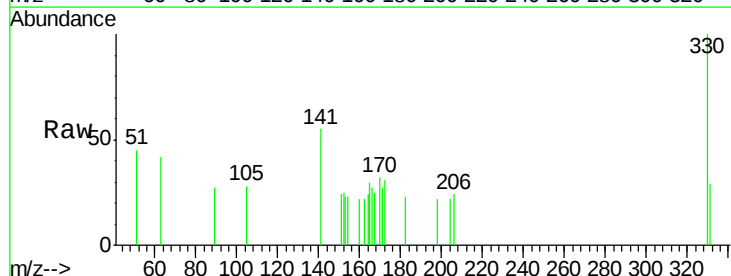
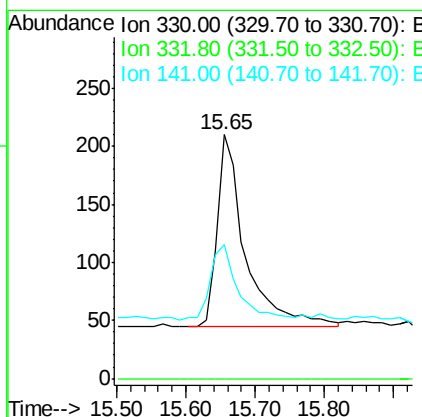
Manual Integrations  
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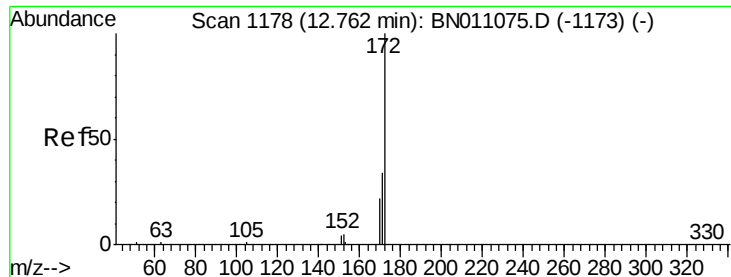
Sohil  
 7/7/2020 8:20:23 AM



#14  
 2,4,6-Tribromophenol  
 Concen: 0.326 ng  
 RT: 15.65 min Scan# 1406  
 Delta R.T. 0.00 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 0.0   | 0.0   | 0.0   |
| 141     | 39.2  | 32.6  | 49.0  |





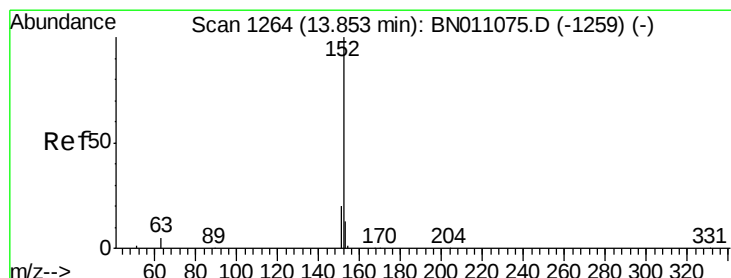
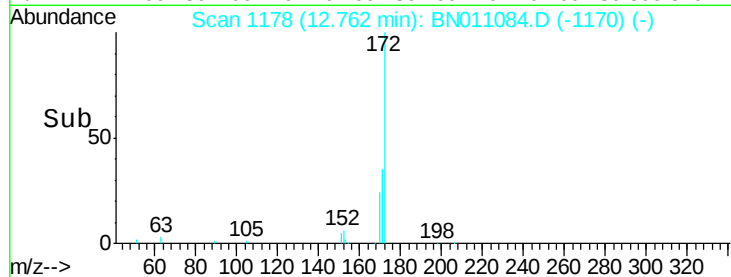
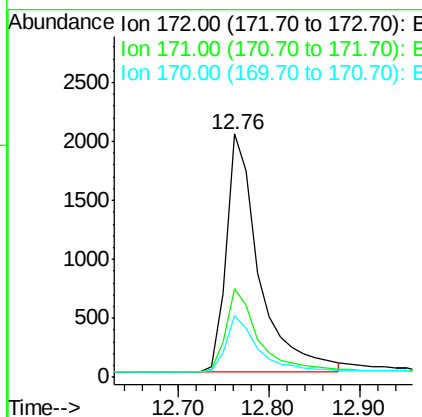
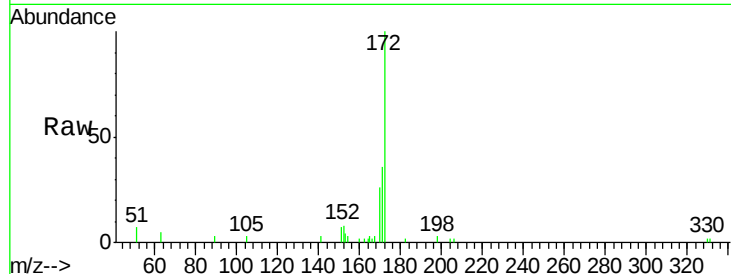
#15  
2-Fluorobiphenyl  
Concen: 0.317 ng  
RT: 12.76 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 27.9  | 41.9  |
| 170     | 25.6  | 18.7  | 28.1  |

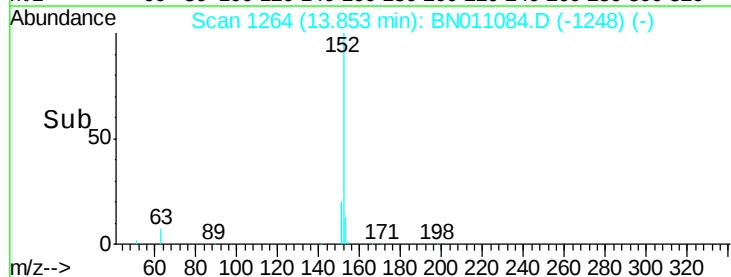
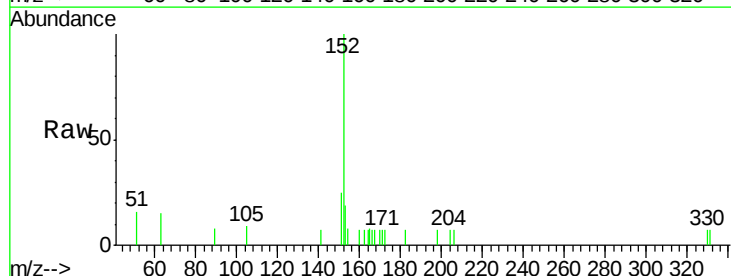
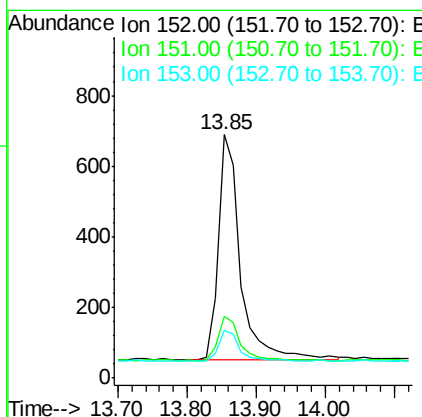
Manual Integrations  
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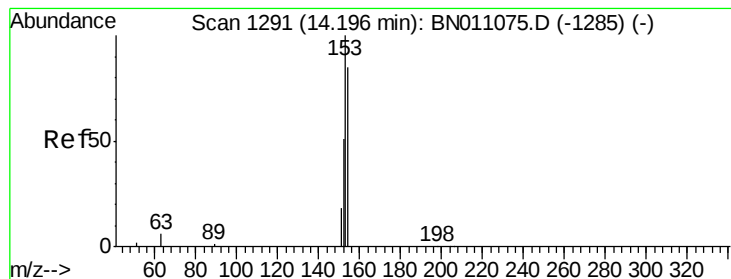
Sohil  
7/7/2020 8:20:23 AM



#16  
Acenaphthylene  
Concen: 0.084 ng  
RT: 13.85 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.5  | 15.8  | 23.8  |
| 153     | 12.6  | 10.8  | 16.2  |





#17

Acenaphthene

Concen: 0.083 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-01

Tot Ion:154 Resp: 958

Ion Ratio Lower Upper

154 100

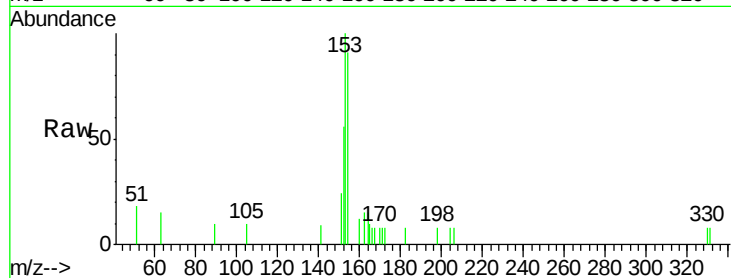
153 116.0 91.7 137.5

152 59.5 46.8 70.2

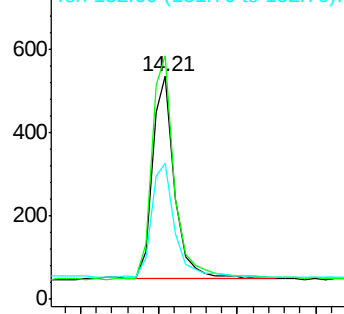
Manual Integrations  
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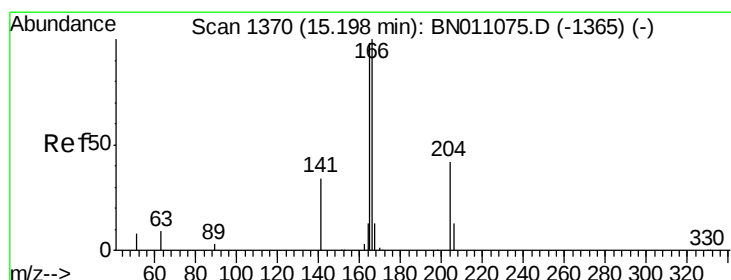
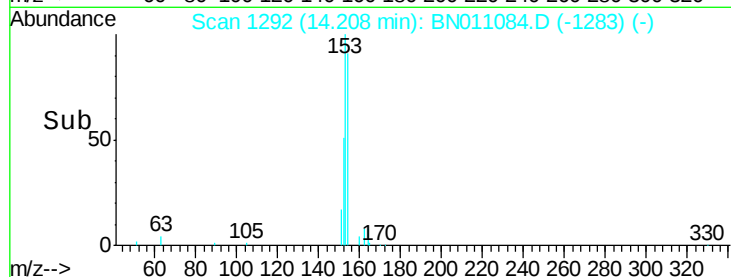
7/7/2020 8:20:23 AM



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



Time-->



#18

Fluorene

Concen: 0.082 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

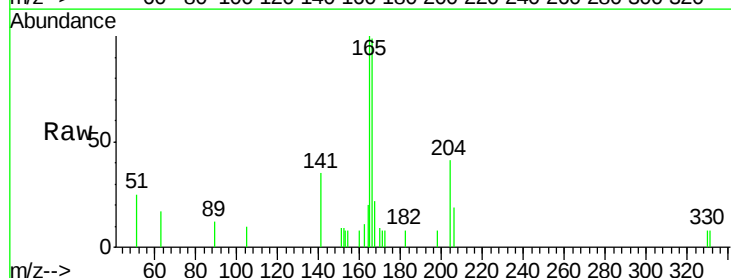
Tgt Ion:166 Resp: 1191

Ion Ratio Lower Upper

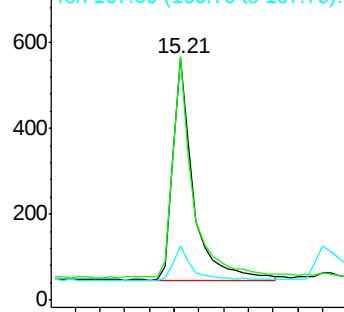
166 100

165 98.0 78.9 118.3

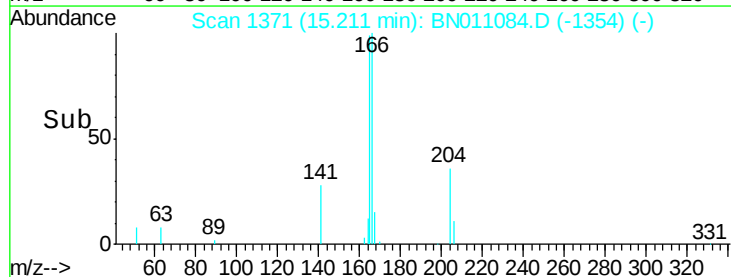
167 15.4 10.9 16.3

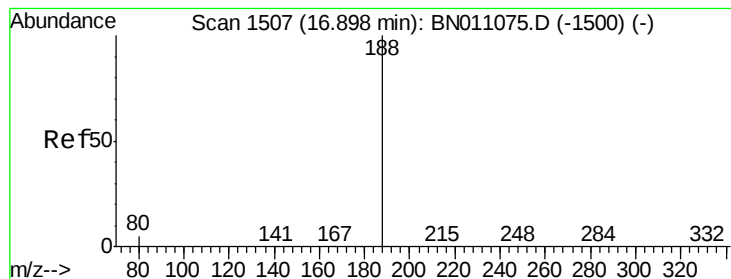


Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

Instrument :

BNA\_N

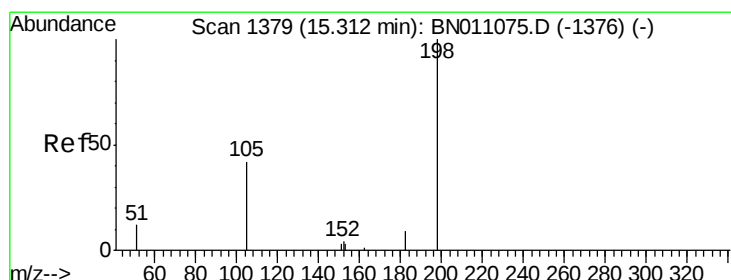
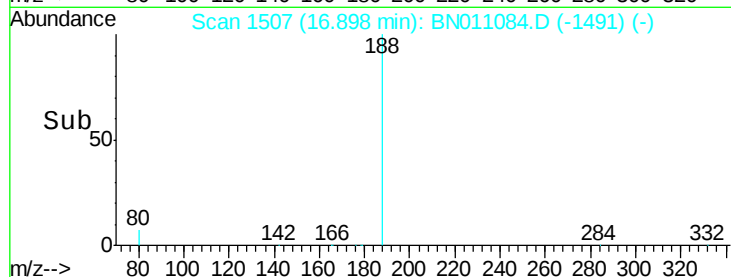
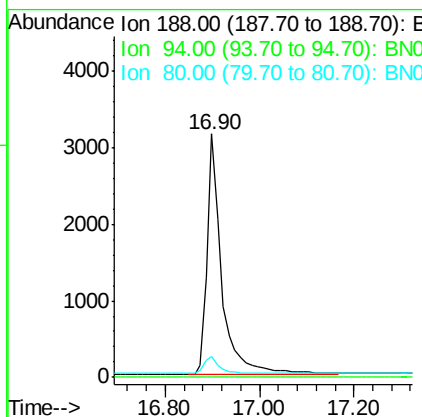
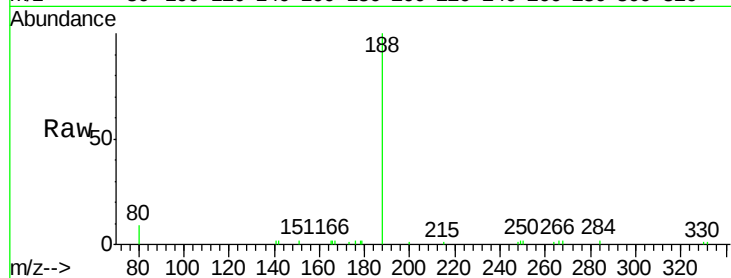
ClientSampleId :

MDL-SOIL-01

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 6770 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 8.8   | 5.3   | 7.9# |

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#20

4,6-Dinitro-2-methylphenol

Concen: 0.059 ng

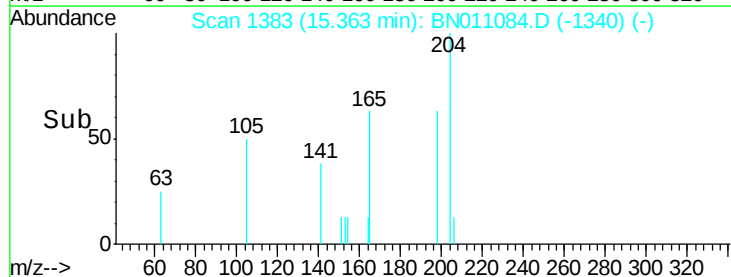
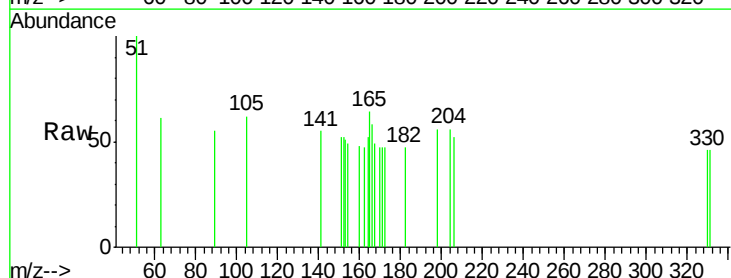
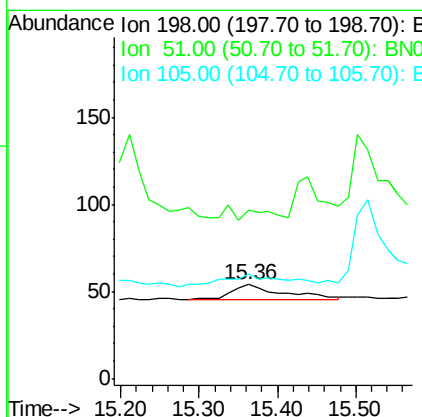
RT: 15.36 min Scan# 1383

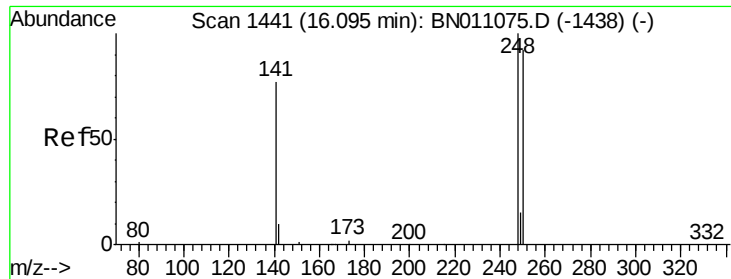
Delta R.T. 0.05 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 43    |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 179.6 | 58.2  | 87.4# |
| 105       | 111.1 | 59.0  | 88.4# |





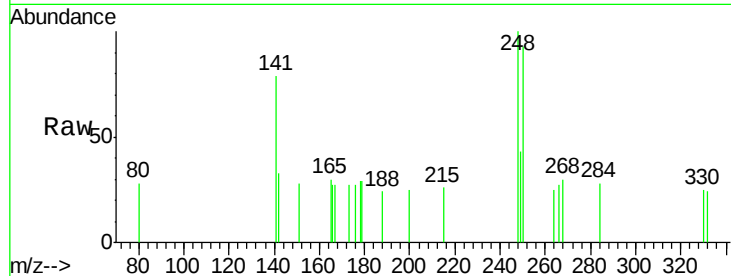
#21  
4-Bromophenyl-phenylether  
Concen: 0.078 ng/ml  
RT: 16.11 min Scan# 1442  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

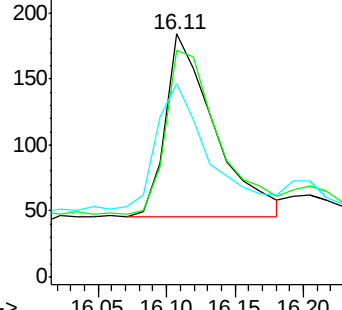
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 93.5  | 73.8  | 110.8 |
| 141     | 79.3  | 63.1  | 94.7  |

Manual Integrations  
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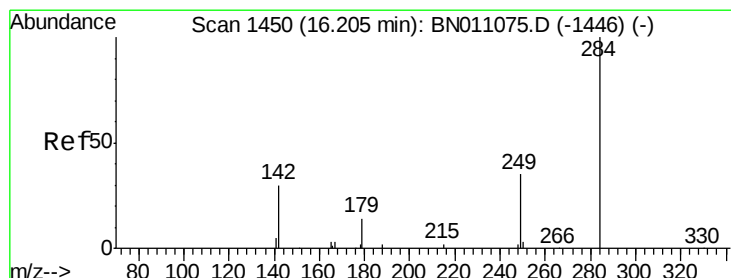
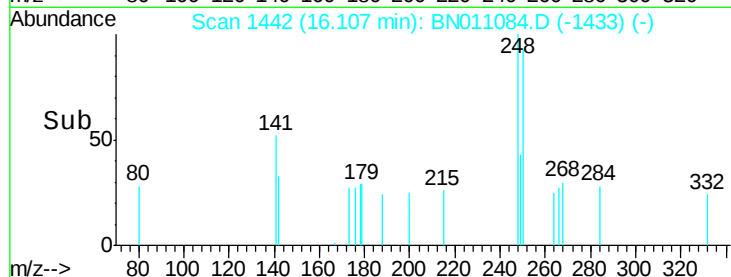
Sohil  
7/7/2020 8:20:23 AM



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

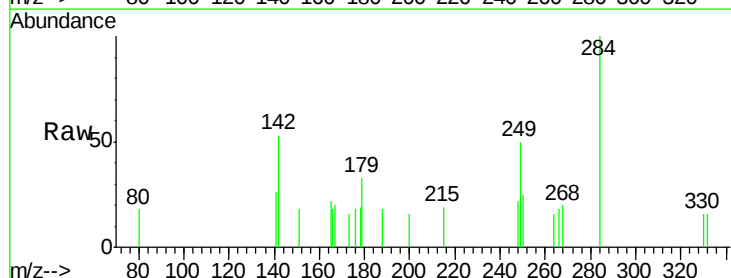


Time-->

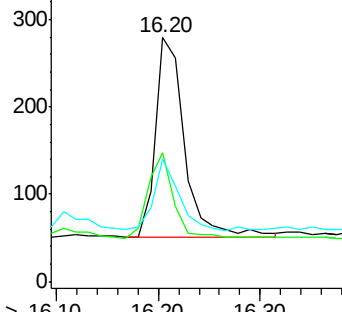


#22  
Hexachlorobenzene  
Concen: 0.084 ng  
RT: 16.20 min Scan# 1450  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

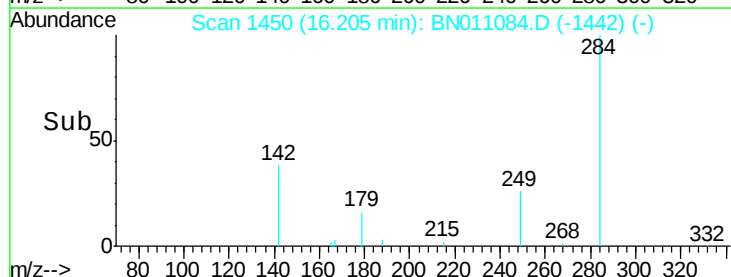
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.6  | 33.3  | 49.9  |
| 249     | 31.2  | 27.4  | 41.2  |

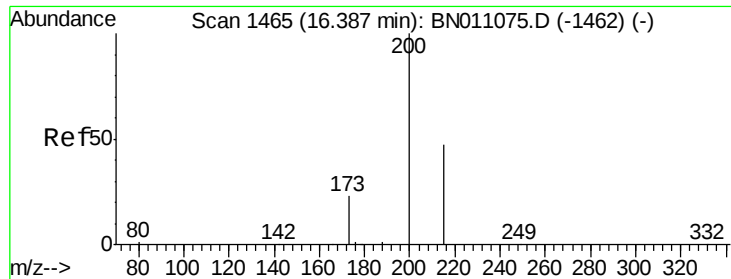


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E



Time-->





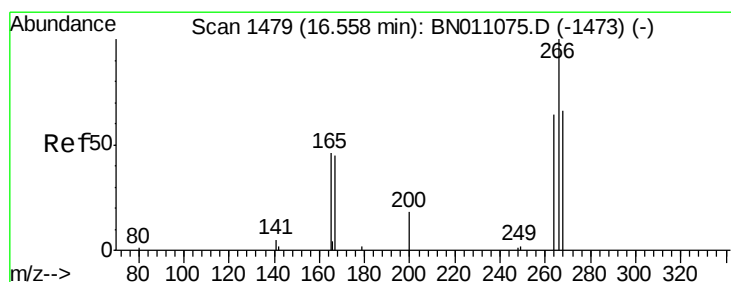
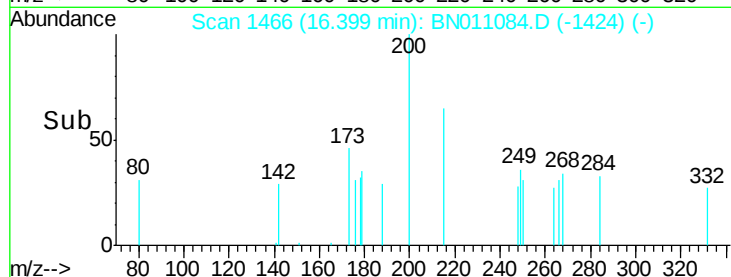
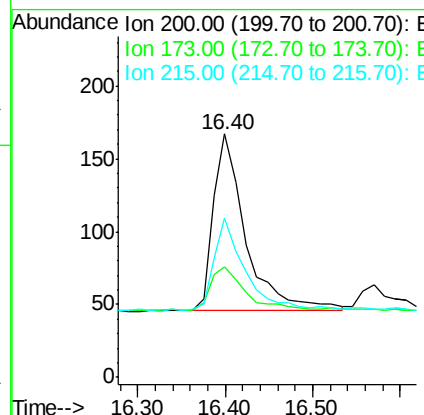
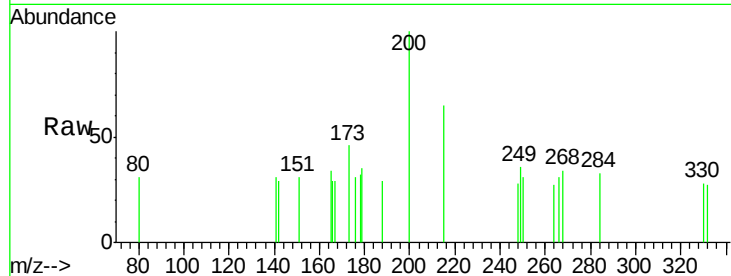
#23  
Atrazine  
Concen: 0.097 ng  
RT: 16.40 min Scan# 1466  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 45.5  | 22.8  | 34.2# |
| 215     | 65.3  | 40.7  | 61.1# |

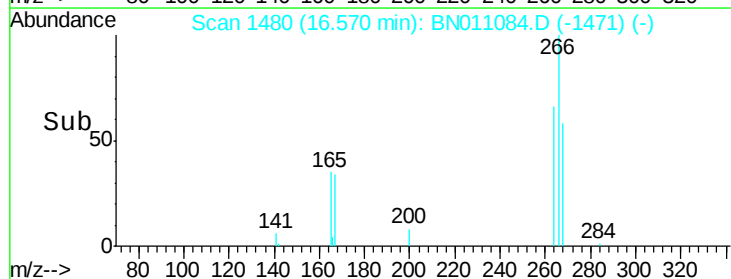
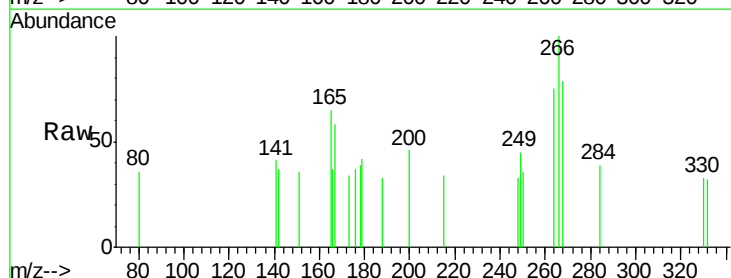
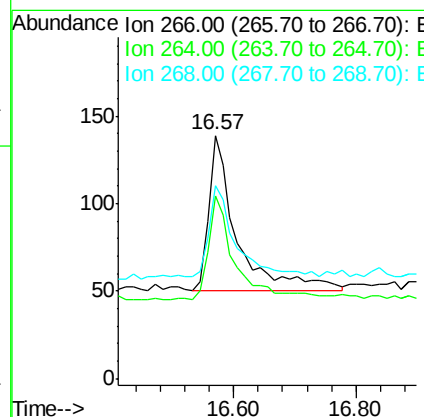
Manual Integrations  
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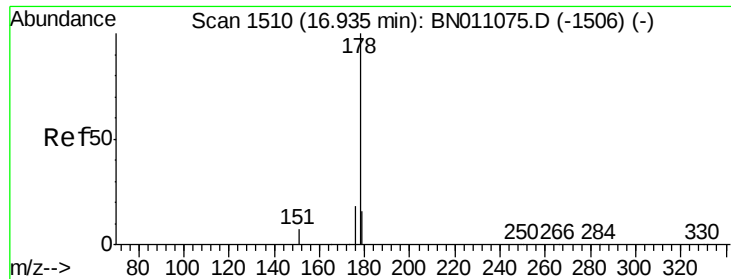
Sohil  
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#24  
Pentachlorophenol  
Concen: 0.198 ng  
RT: 16.57 min Scan# 1480  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 64.0  | 47.4  | 71.0  |
| 268     | 55.1  | 55.0  | 82.4  |





#25

Phenanthrene

Concen: 0.082 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

Instrument :

BNA\_N

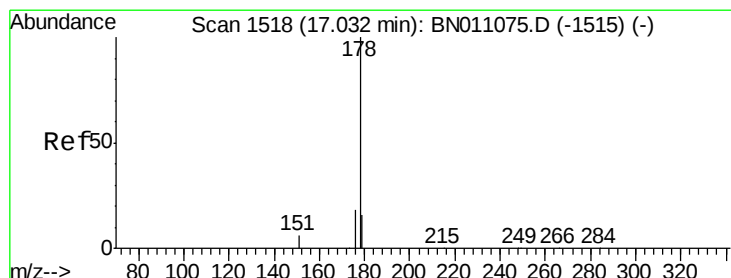
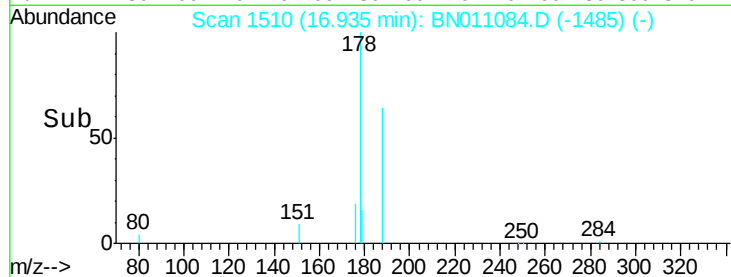
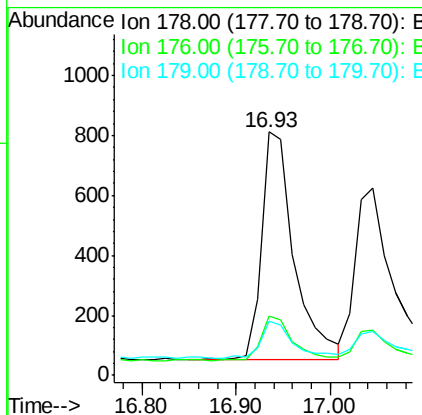
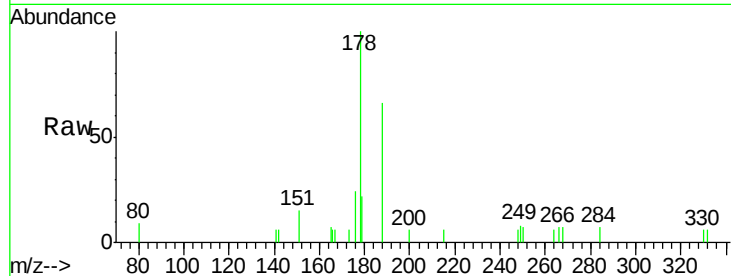
ClientSampled :

MDL-SOIL-01

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 178   | Resp: | 1799 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.3  | 15.0  | 22.6 |
| 179       | 16.3  | 12.5  | 18.7 |

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#26

Anthracene

Concen: 0.080 ng

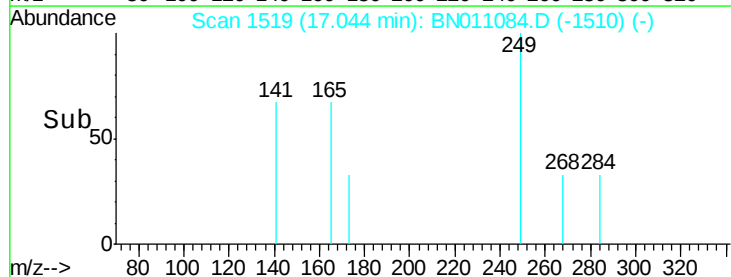
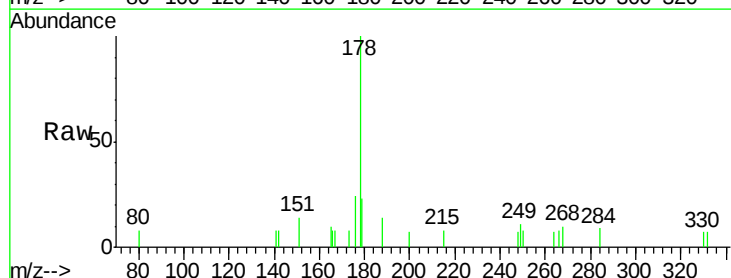
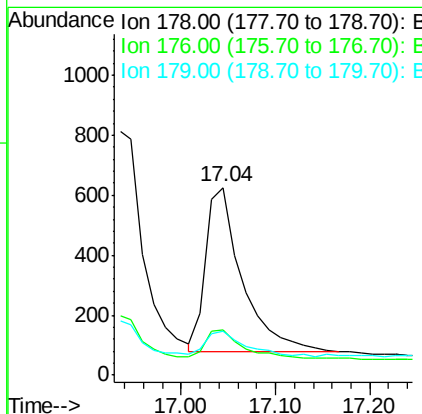
RT: 17.04 min Scan# 1519

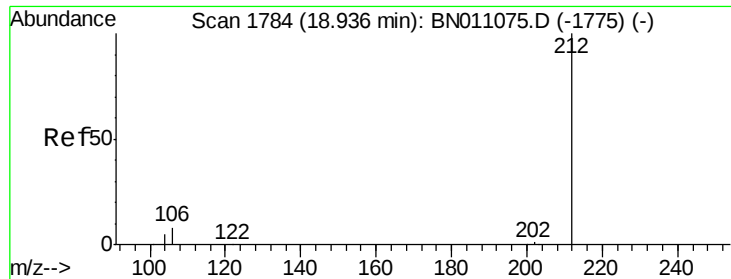
Delta R.T. 0.01 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 1454 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 18.0  | 14.2  | 21.4 |
| 179       | 16.3  | 12.2  | 18.2 |





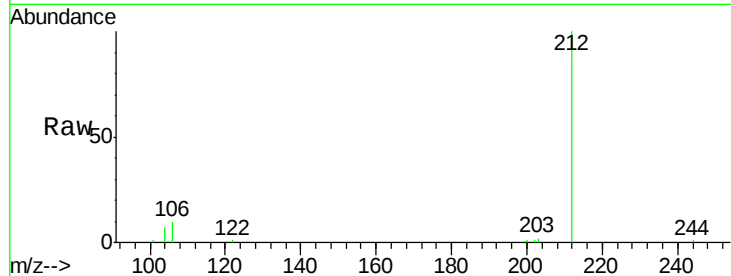
#27  
Fluoranthene-d10  
Concen: 0.354 ng  
RT: 18.94 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

Instrument :  
BNA\_N  
ClientSampled :  
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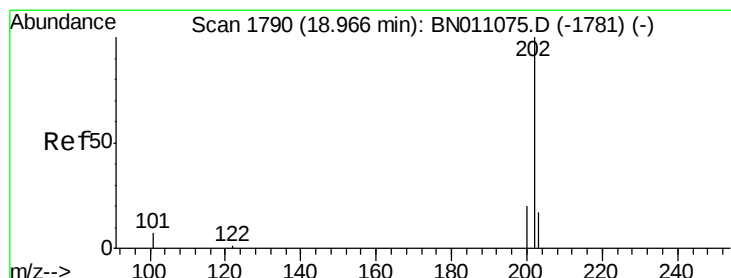
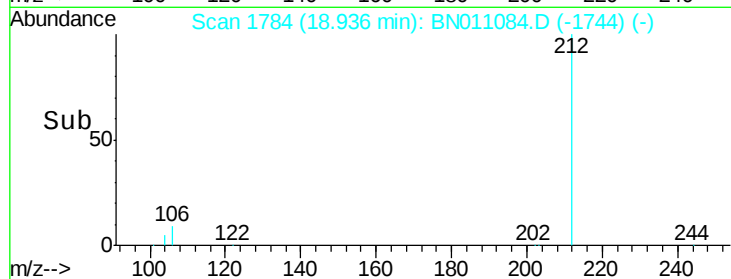
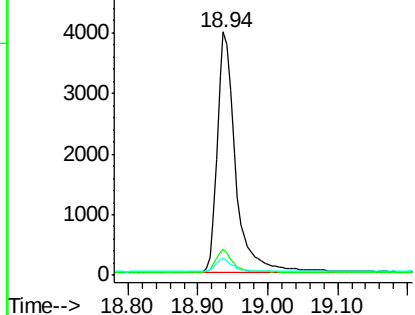
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 9.1   | 7.1   | 10.7  |
| 104     | 4.7   | 4.2   | 6.4   |

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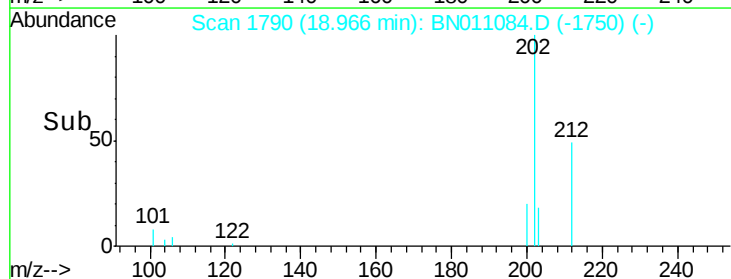
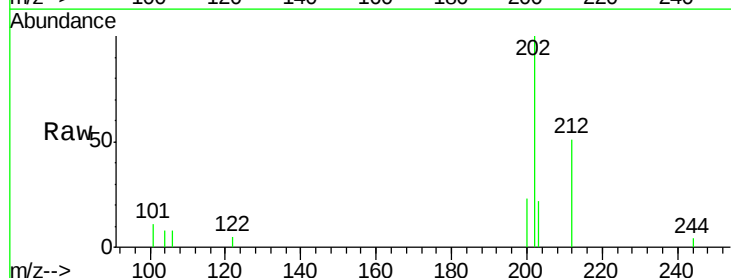
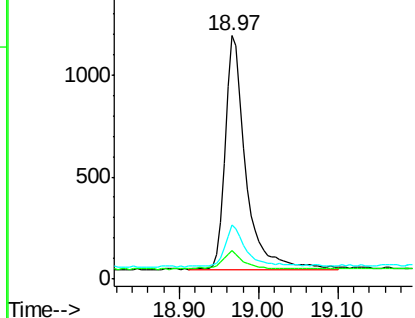
Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E

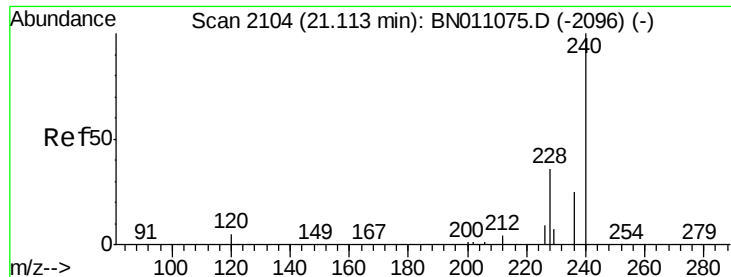


#28  
Fluoranthene  
Concen: 0.085 ng  
RT: 18.97 min Scan# 1790  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 6.3   | 9.5   |
| 203     | 17.1  | 13.5  | 20.3  |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





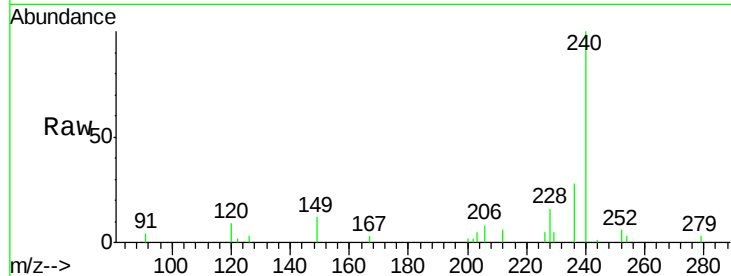
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.11 min Scan# 2104  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

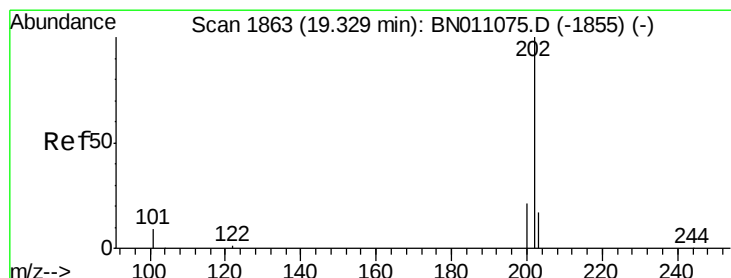
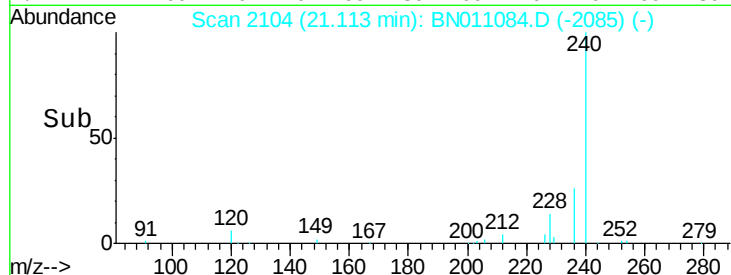
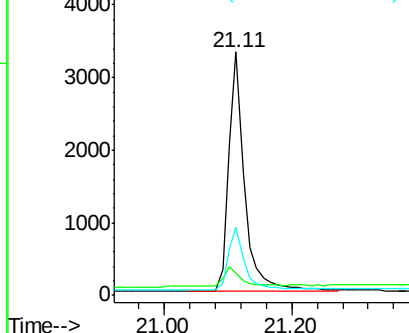
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.1   | 6.5   | 9.7   |
| 236     | 28.1  | 21.9  | 32.9  |

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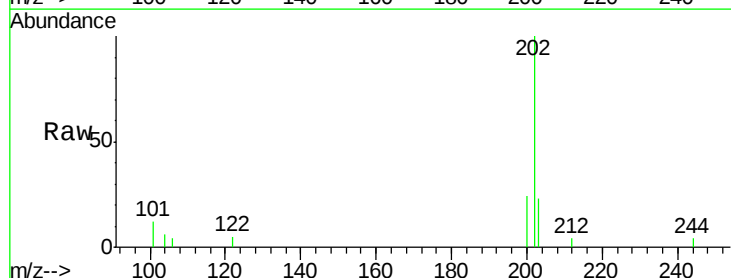


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

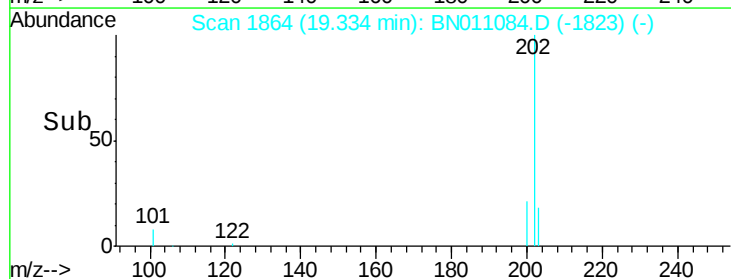
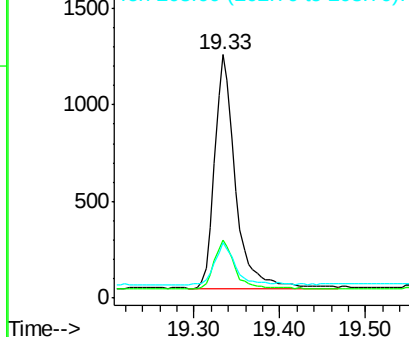


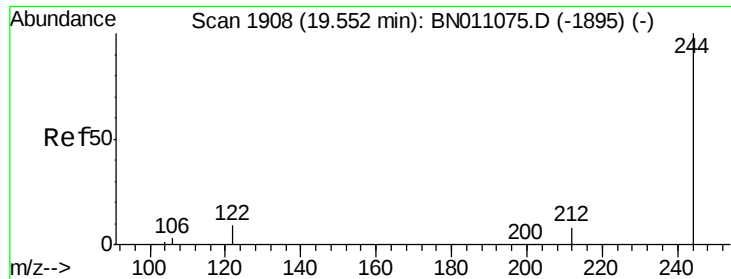
#30  
Pyrene  
Concen: 0.096 ng  
RT: 19.33 min Scan# 1864  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.6  | 25.0  |
| 203     | 18.1  | 14.2  | 21.4  |



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





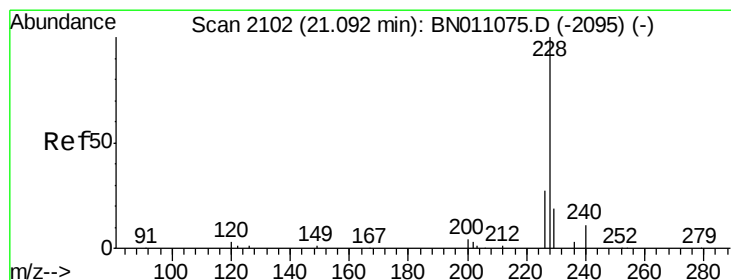
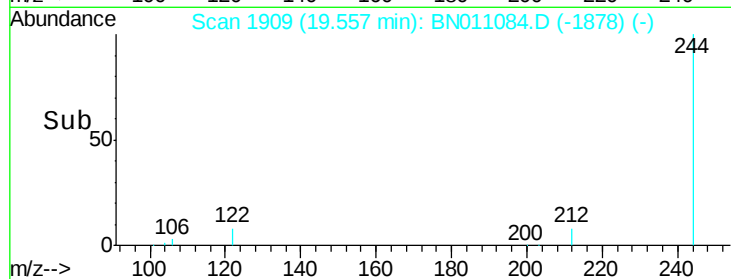
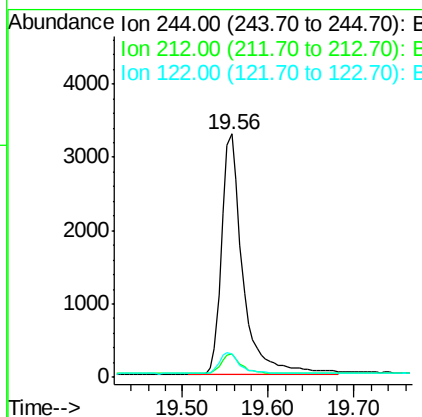
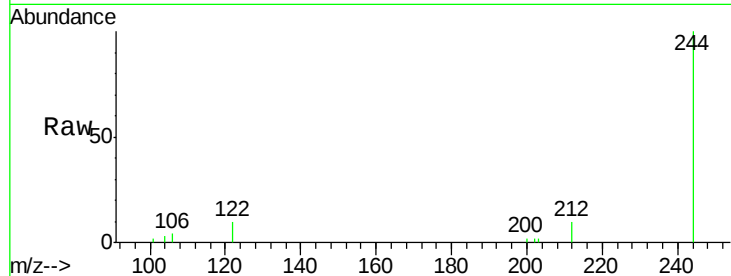
#31  
 Terphenyl-d14  
 Concen: 0.378 ng  
 RT: 19.56 min Scan# 1909  
 Delta R.T. 0.00 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.8   | 7.5   | 11.3  |
| 122     | 9.7   | 8.2   | 12.4  |

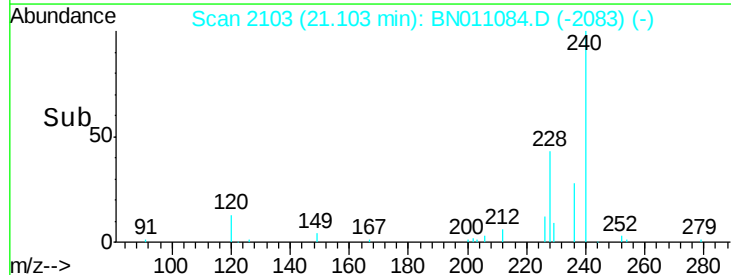
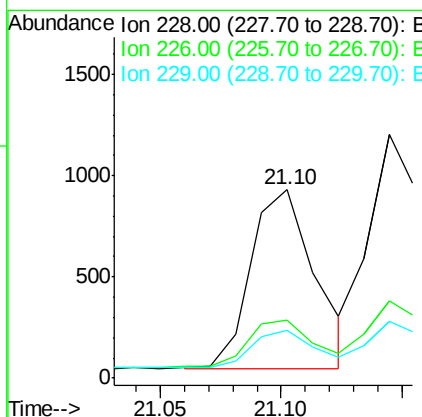
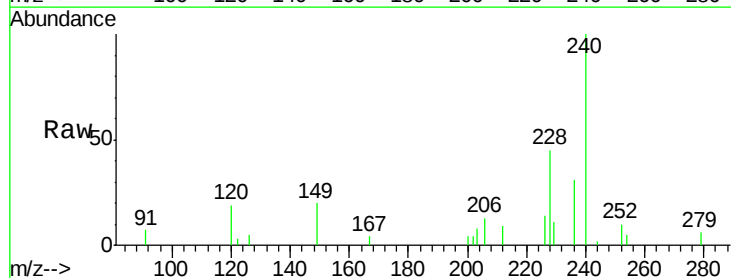
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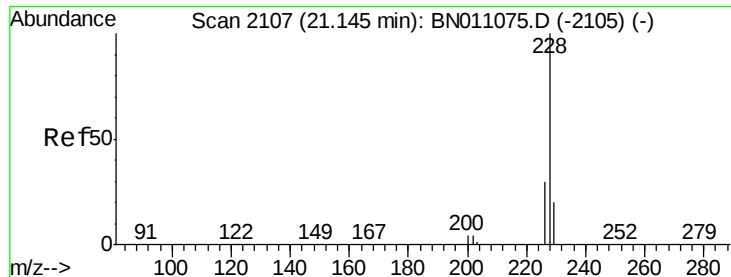
Sohil  
 7/7/2020 8:20:23 AM



#32  
 Benzo(a)anthracene  
 Concen: 0.086 ng m  
 RT: 21.10 min Scan# 2103  
 Delta R.T. 0.01 min  
 Lab File: BN011084.D  
 Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 22.0  | 33.0  |
| 229     | 25.1  | 16.1  | 24.1  |





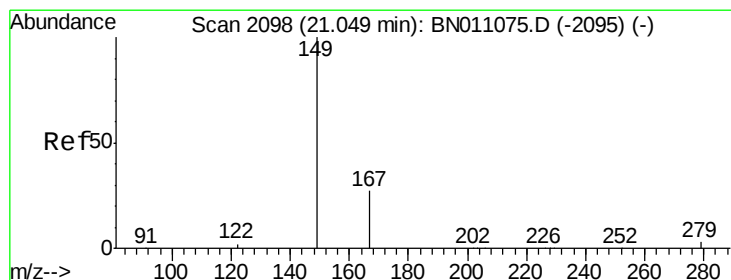
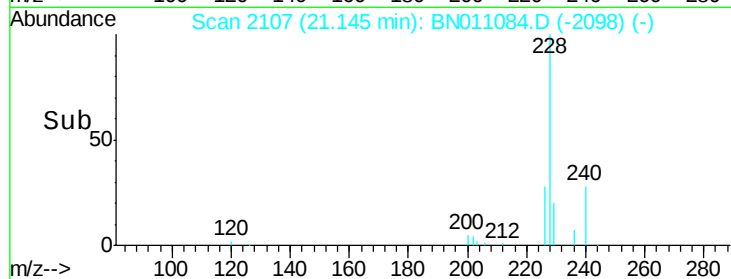
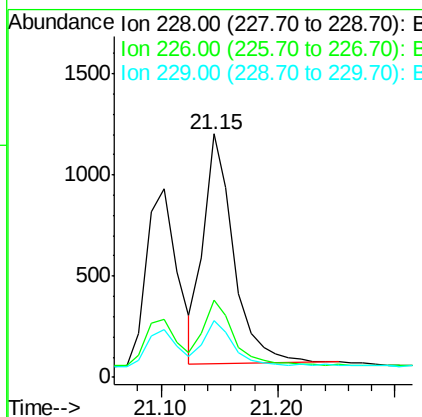
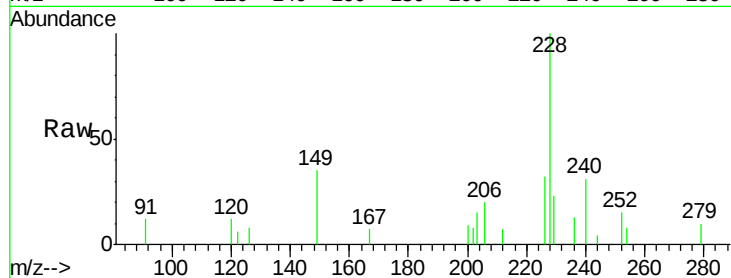
#33  
Chrysene  
Concen: 0.093 ng  
RT: 21.15 min Scan# 2107  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.8  | 24.0  | 36.0  |
| 229     | 23.3  | 16.4  | 24.6  |

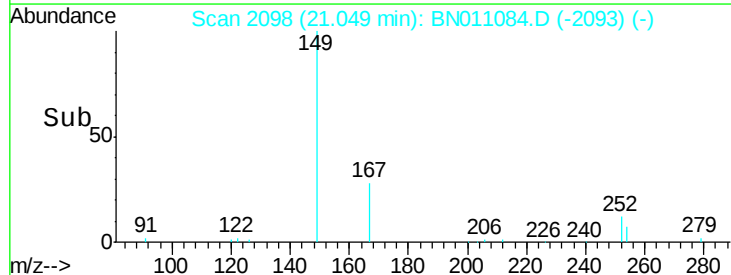
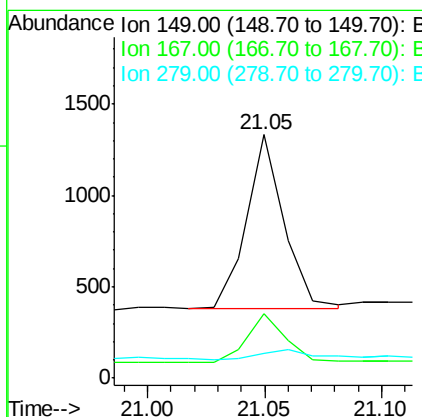
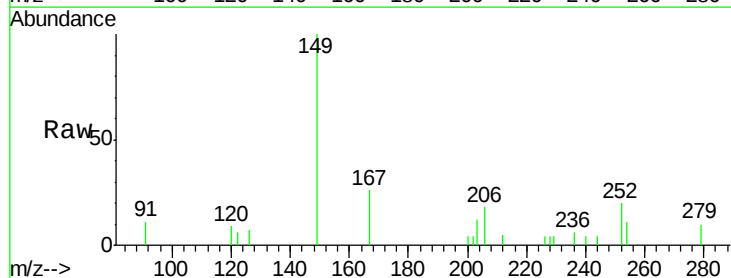
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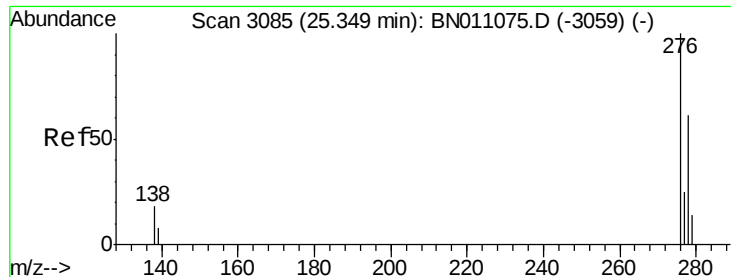
Sohil  
7/7/2020 8:20:23 AM



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.137 ng  
RT: 21.05 min Scan# 2098  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.0  | 22.2  | 33.4  |
| 279     | 8.2   | 4.5   | 6.7#  |





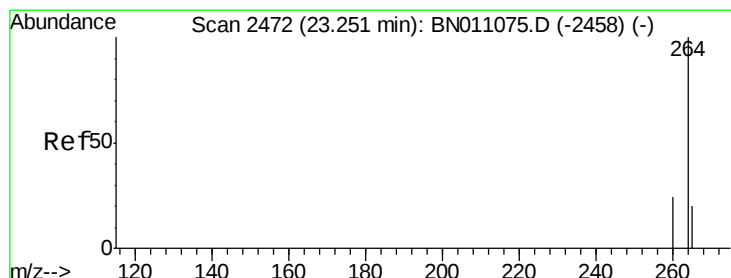
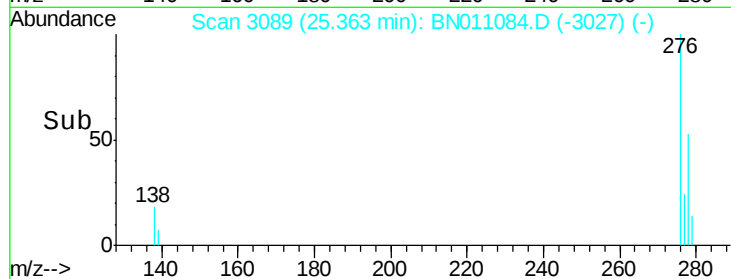
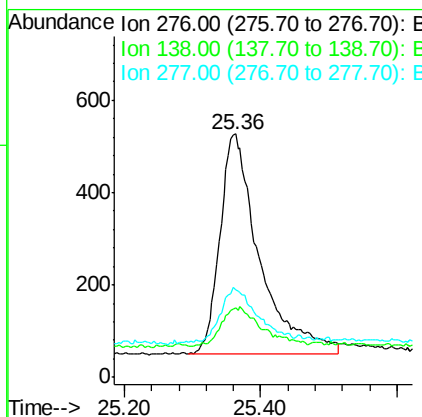
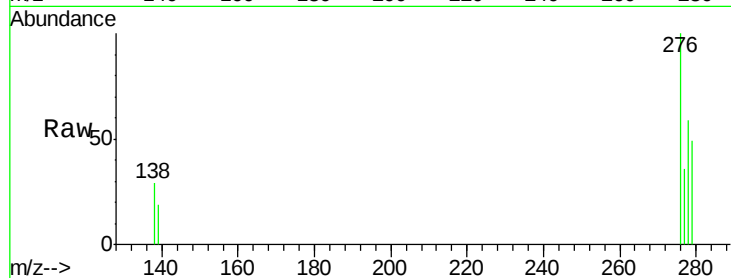
#35  
Indeno(1,2,3-cd)pyrene  
Concen: 0.084 ng  
RT: 25.36 min Scan# 3089  
Delta R.T. 0.01 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.6   | 15.4  | 23.0  |
| 277     | 22.0  | 19.4  | 29.0  |

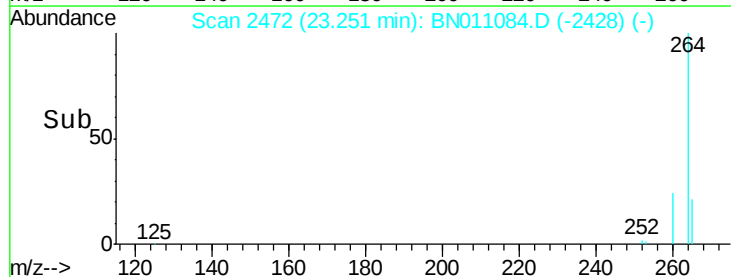
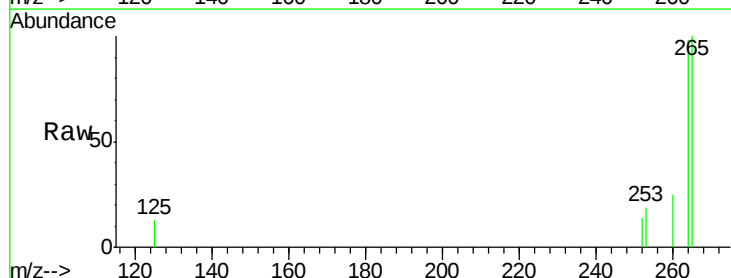
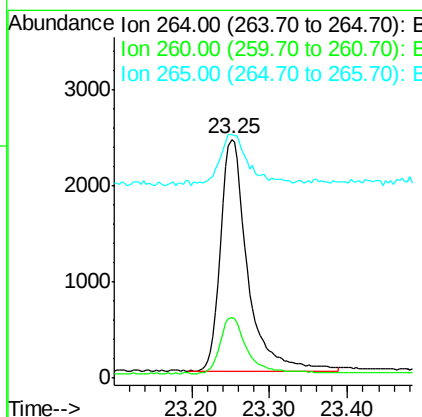
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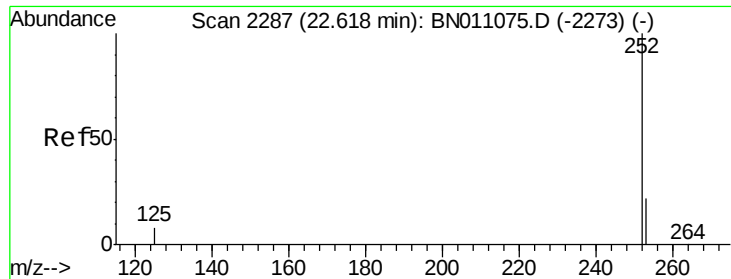
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#36  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.25 min Scan# 2472  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.6  | 20.4  | 30.6  |
| 265     | 101.8 | 83.0  | 124.6 |





#37

Benzo(b)fluoranthene

Concen: 0.086 ng

RT: 22.62 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BN011084.D

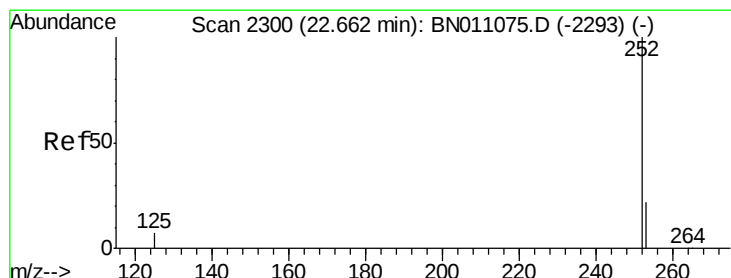
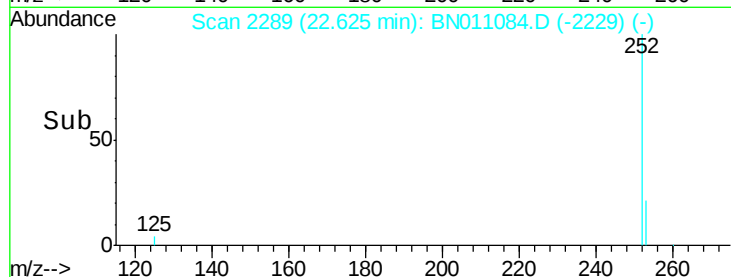
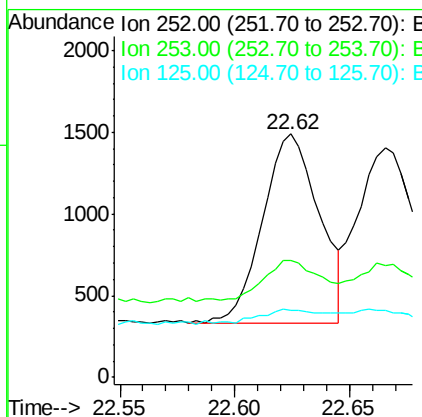
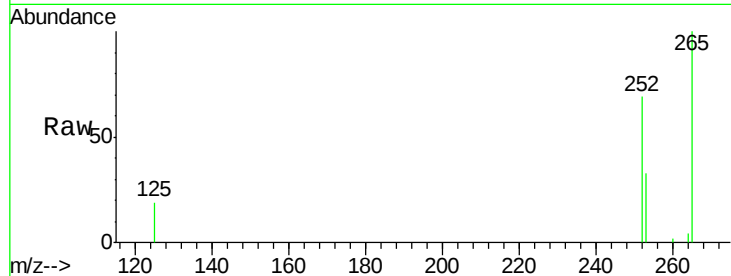
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 47.8  | 22.7  | 34.1# |
| 125     | 27.3  | 10.4  | 15.6# |

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#38

Benzo(k)fluoranthene

Concen: 0.087 ng

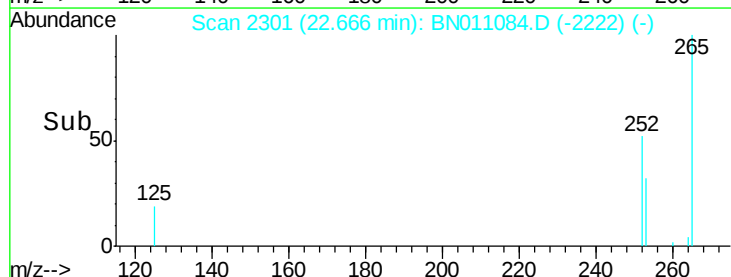
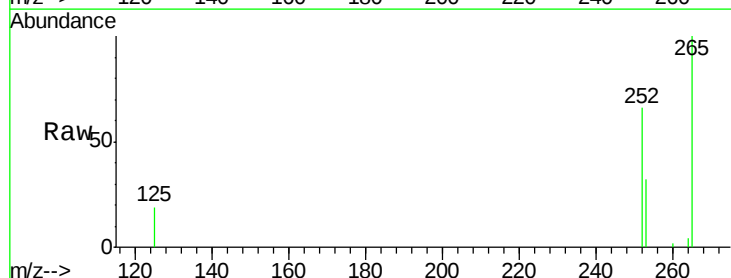
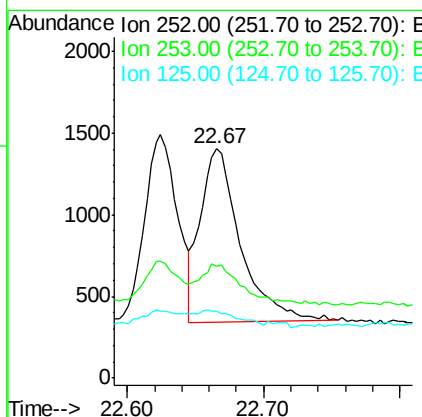
RT: 22.67 min Scan# 2301

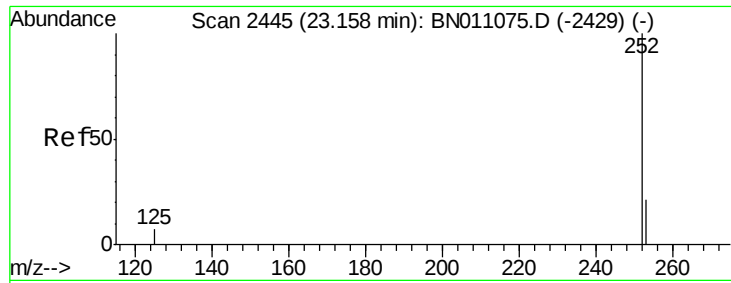
Delta R.T. 0.00 min

Lab File: BN011084.D

Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 48.8  | 22.9  | 34.3# |
| 125     | 28.9  | 10.6  | 15.8# |





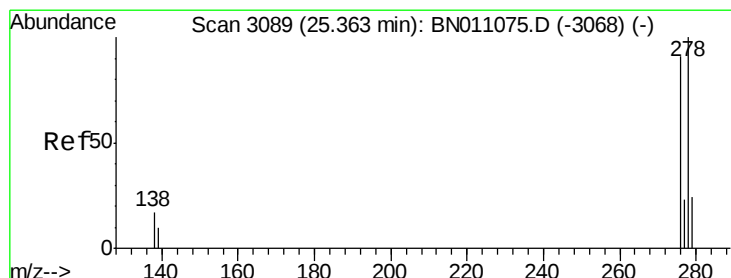
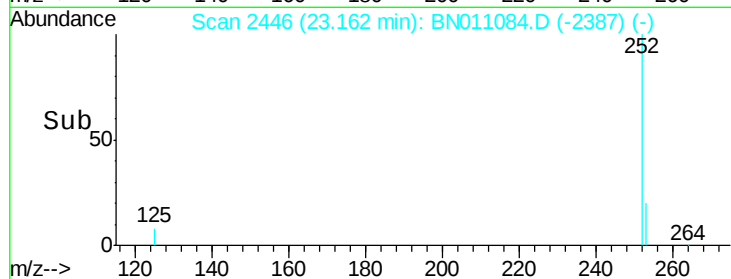
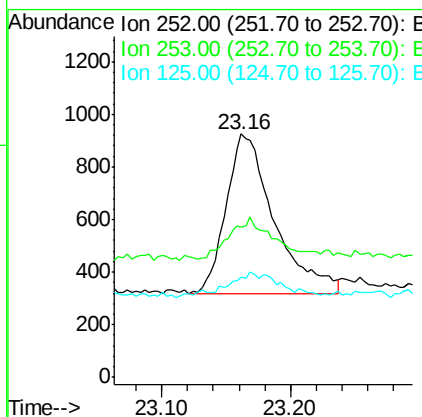
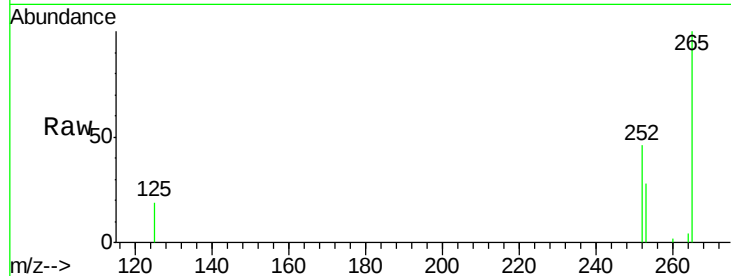
#39  
Benzo(a)pyrene  
Concen: 0.079 ng  
RT: 23.16 min Scan# 2446  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 61.9  | 25.9  | 38.9# |
| 125     | 41.1  | 12.5  | 18.7# |

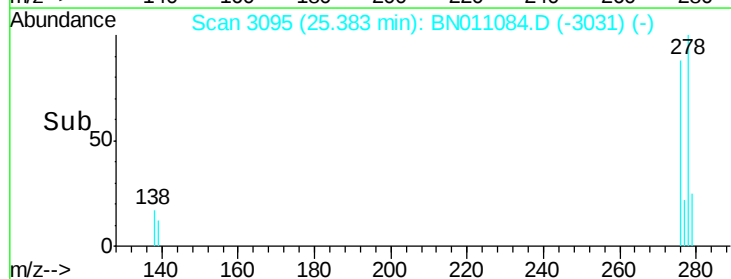
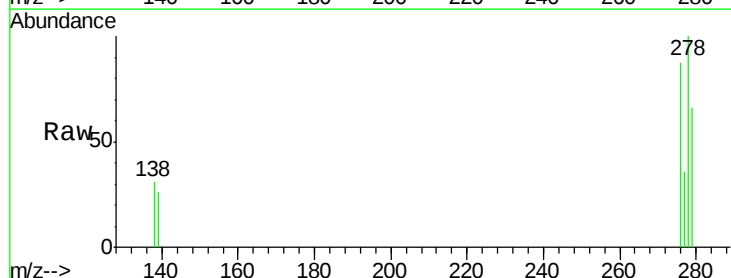
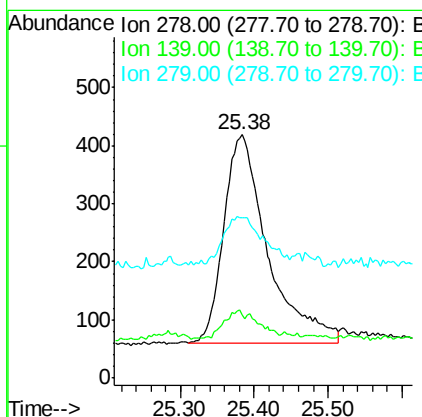
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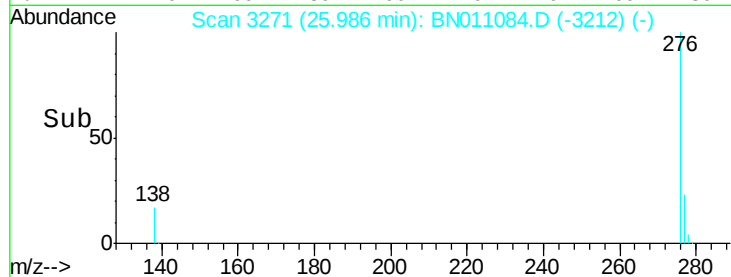
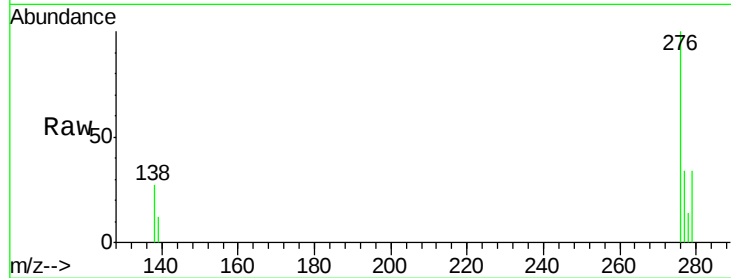
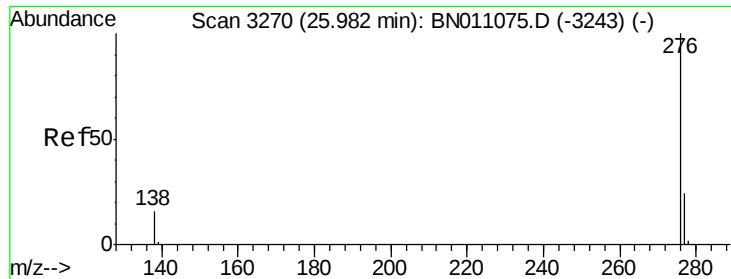
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#40  
Dibenzo(a,h)anthracene  
Concen: 0.072 ng  
RT: 25.38 min Scan# 3095  
Delta R.T. 0.02 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.8  | 11.9  | 17.9# |
| 279     | 65.9  | 25.5  | 38.3# |





#41  
Benzo(a,h,i)perylene  
Concen: 0.084 ng  
RT: 25.99 min Scan# 3271  
Delta R.T. 0.00 min  
Lab File: BN011084.D  
Acq: 02 Jul 2020 13:58

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 33.8  | 21.1  | 31.7# |
| 138     | 26.9  | 15.0  | 22.6# |

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

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