

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN032218\  
 Data File : BN000539.D  
 Acq On : 22 Mar 2018 14:28  
 Operator : JU/SJ  
 Sample : J1905-13DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 DAM48DL

Manual Integrations  
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Sohil  
 3/23/2018 3:49:31 PM

Quant Time: Mar 23 11:11:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 23 02:22:02 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.42  | 152  | 168591   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.26 | 136  | 709325   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.04 | 164  | 396498   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.84 | 188  | 813649m  | 20.00 | ng/ul | 0.08     |
| 75) Chrysene-d12          | 21.89 | 240  | 835654   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.37 | 264  | 859163   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

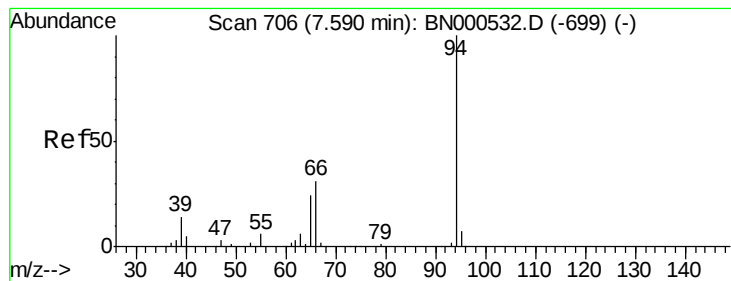
|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 4518    | 0.96  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.59  | 99  | 68095   | 4.33  | ng/ul | 0.03  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.72  | 67  | 148090  | 16.32 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.95  | 132 | 154449  | 12.99 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.15  | 113 | 113139  | 9.23  | ng/ul | 0.02  |
| 19) Nitrobenzene-d5            | 9.60  | 128 | 89970   | 15.62 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.33 | 143 | 94845   | 15.89 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.89 | 165 | 157573  | 14.73 | ng/ul | 0.02  |
| 29) 4-Chloroaniline-d4         | 11.35 | 131 | 29511   | 2.69  | ng/ul | -0.04 |
| 43) Dimethylphthalate-d6       | 14.44 | 166 | 474684  | 15.15 | ng/ul | 0.01  |
| 46) Acenaphthylene-d8          | 14.74 | 160 | 596500  | 14.43 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.30 | 143 | 80806m  | 13.89 | ng/ul | 0.06  |
| 57) Fluorene-d10               | 16.03 | 176 | 399801  | 14.98 | ng/ul | 0.01  |
| 62) 4,6-Dinitro-2-methylphenol | 16.17 | 200 | 214600  | 46.05 | ng/ul | 0.03  |
| 70) Anthracene-d10             | 17.92 | 188 | 594189m | 15.19 | ng/ul | 0.06  |
| 76) Pyrene-d10                 | 20.12 | 212 | 648319  | 14.05 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 24.21 | 264 | 617171  | 15.22 | ng/ul | 0.00  |

## Target Compounds

|                               |       |     |           |          | Qvalue |     |
|-------------------------------|-------|-----|-----------|----------|--------|-----|
| 6) Phenol                     | 7.62  | 94  | 19740     | 1.230    | ng/ul# | 53  |
| 21) Isophorone                | 10.17 | 82  | 1414362   | 52.172   | ng/ul# | 98  |
| 27) 2,4-Dichlorophenol        | 10.92 | 162 | 33940     | 3.269    | ng/ul# | 80  |
| 28) Naphthalene               | 11.31 | 128 | 254270    | 6.826    | ng/ul  | 96  |
| 34) 2-Methylnaphthalene       | 12.89 | 142 | 183439    | 7.376    | ng/ul  | 100 |
| 38) 2,4,6-Trichlorophenol     | 13.50 | 196 | 92394     | 11.435   | ng/ul  | 98  |
| 39) 2,4,5-Trichlorophenol     | 13.58 | 196 | 90107     | 10.695   | ng/ul  | 97  |
| 49) Acenaphthene              | 15.10 | 153 | 30953     | 1.121    | ng/ul  | 92  |
| 55) 2,3,4,6-Tetrachlorophenol | 15.72 | 232 | 8063588m  | 1253.363 | ng/ul  |     |
| 68) Pentachlorophenol         | 17.48 | 266 | 30910095m | 6686.008 | ng/ul  |     |
| 69) Phenanthrene              | 17.88 | 178 | 134547m   | 2.870    | ng/ul  |     |
| 72) Carbazole                 | 18.19 | 167 | 251439    | 6.100    | ng/ul# | 94  |
| 74) Fluoranthene              | 19.80 | 202 | 55698     | 1.196    | ng/ul# | 51  |

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





#6

Phenol

Concen: 1.230 ng/ul

RT: 7.62 min Scan# 711

Delta R.T. 0.03 min

Lab File: BN000539.D

Acq: 22 Mar 2018 14:28

Instrument :

BNA\_N

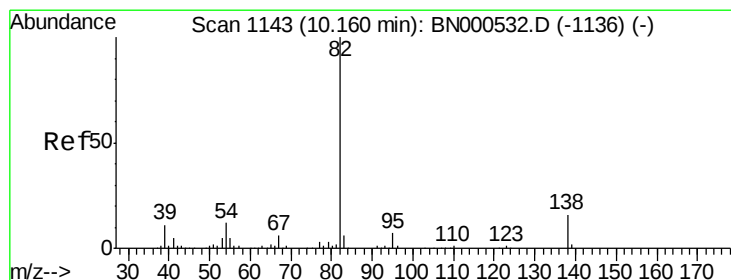
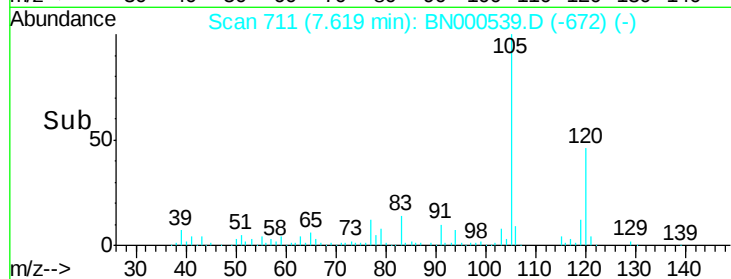
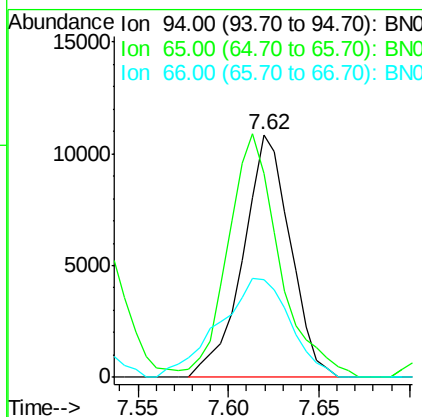
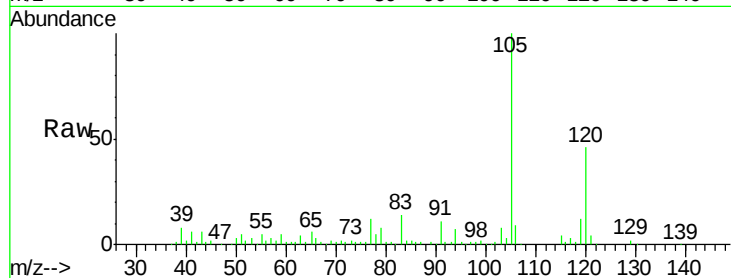
ClientSampled :

DAM48DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 19740 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 84.1  | 23.0  | 34.6# |
| 66        | 40.3  | 30.4  | 45.6  |

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#21

Isophorone

Concen: 52.172 ng/ul

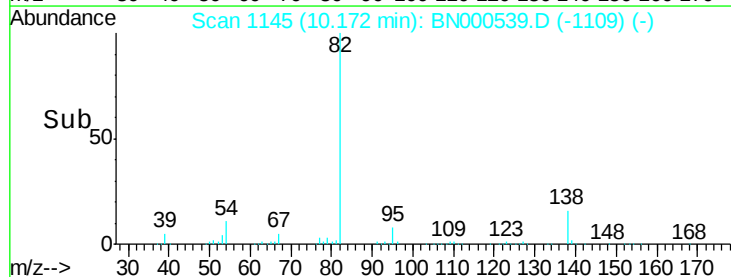
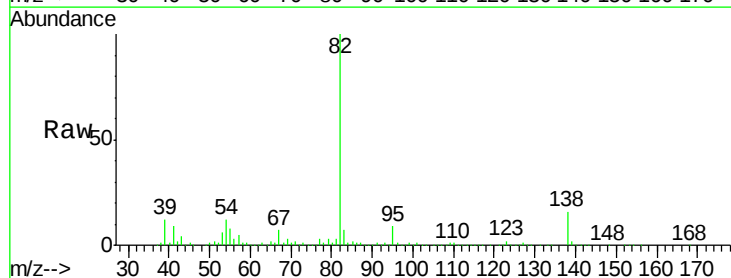
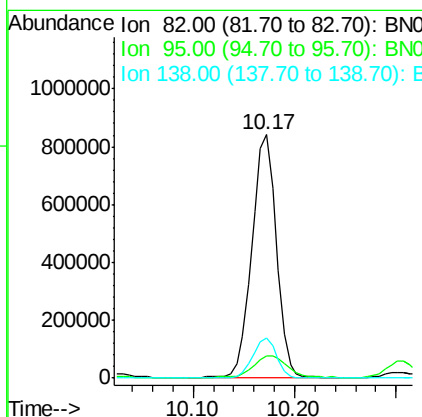
RT: 10.17 min Scan# 1145

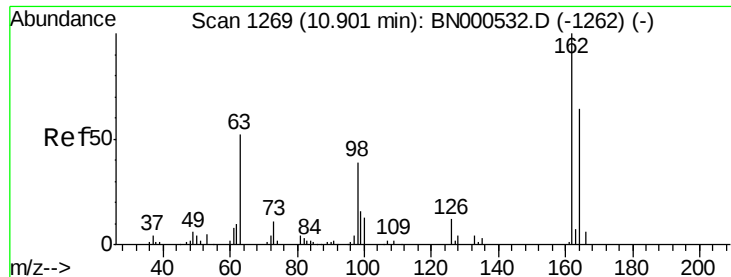
Delta R.T. 0.01 min

Lab File: BN000539.D

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 82    | Resp: | 1414362 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 95        | 9.3   | 6.1   | 9.1#    |
| 138       | 16.4  | 13.5  | 20.3    |





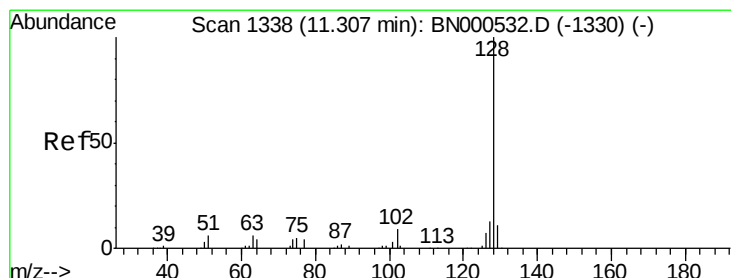
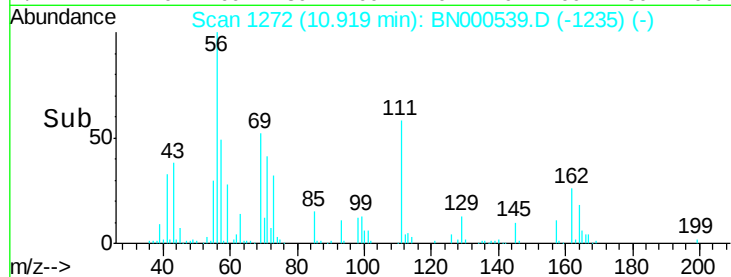
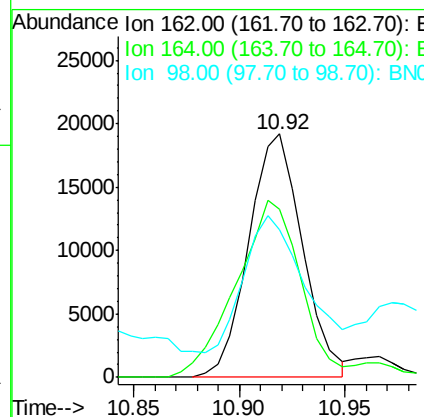
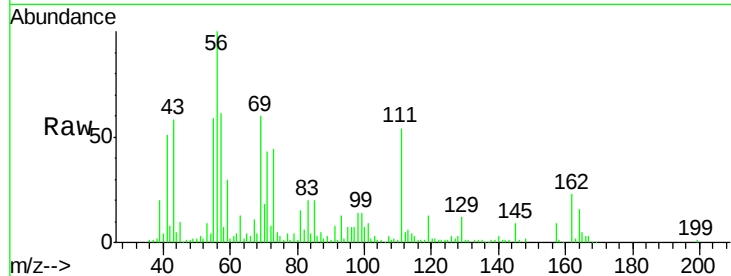
#27  
2,4-Dichlorophenol  
Concen: 3.269 ng/ul  
RT: 10.92 min Scan# 1272  
Delta R.T. 0.02 min  
Lab File: BN000539.D  
Acq: 22 Mar 2018 14:28

Instrument :  
BNA\_N  
ClientSampled :  
DAM48DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 162     | 100   | 33940 |       |       |
| 164     | 69.3  | 52.0  | 78.0  |       |
| 98      | 60.8  | 26.6  | 39.8  |       |

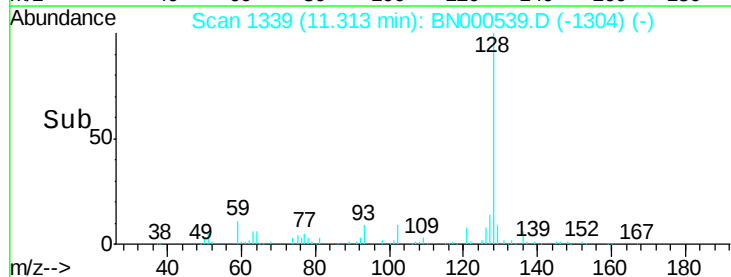
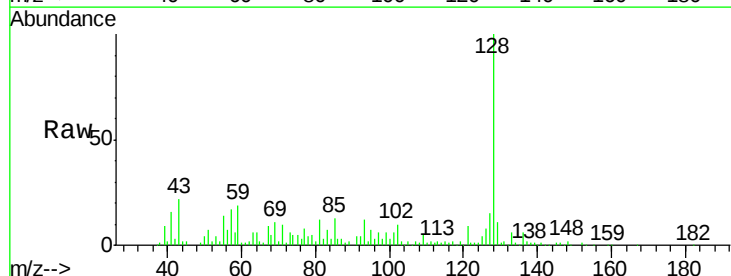
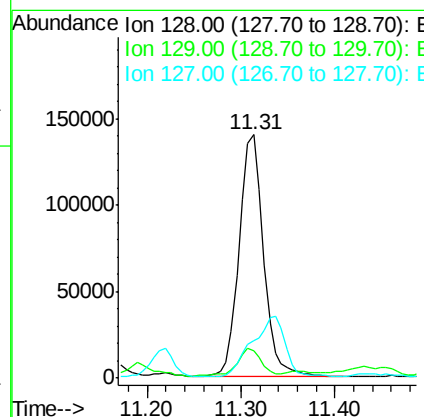
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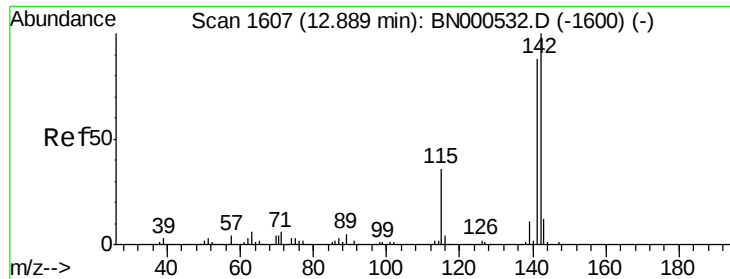
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#28  
Naphthalene  
Concen: 6.826 ng/ul  
RT: 11.31 min Scan# 1339  
Delta R.T. 0.01 min  
Lab File: BN000539.D  
Acq: 22 Mar 2018 14:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 254270 |       |       |
| 129     | 11.4  | 8.3    | 12.5  |       |
| 127     | 15.4  | 10.8   | 16.2  |       |





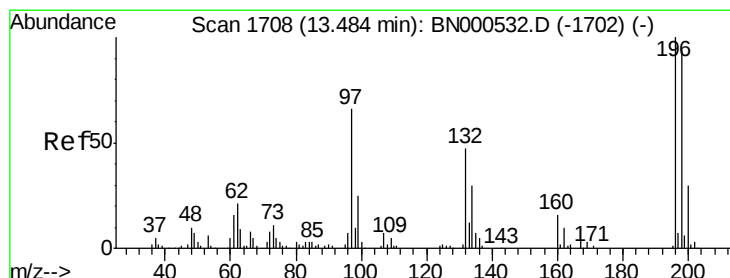
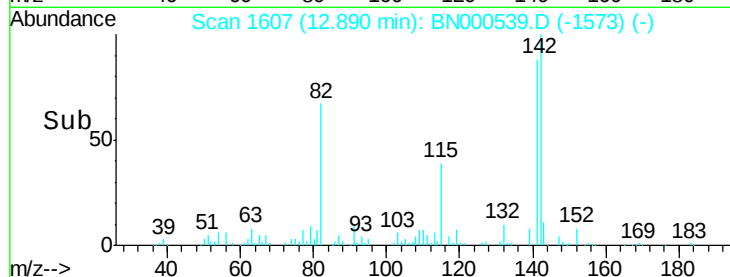
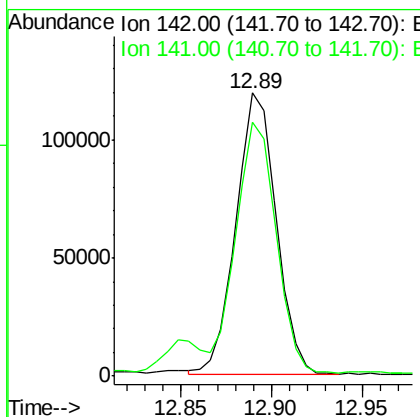
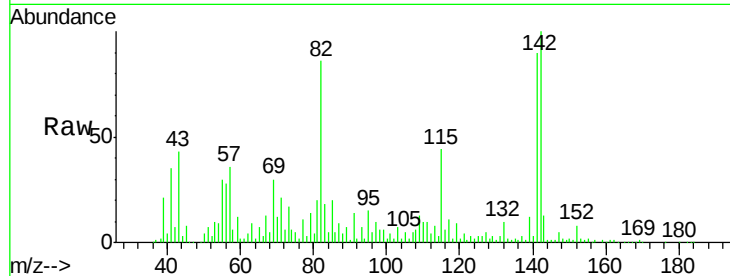
#34  
 2-Methylnaphthalene  
 Concen: 7.376 ng/ul  
 RT: 12.89 min Scan# 1607  
 Delta R.T. 0.00 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAM48DL

Tgt Ion:142 Resp: 183439  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 71.4 107.2

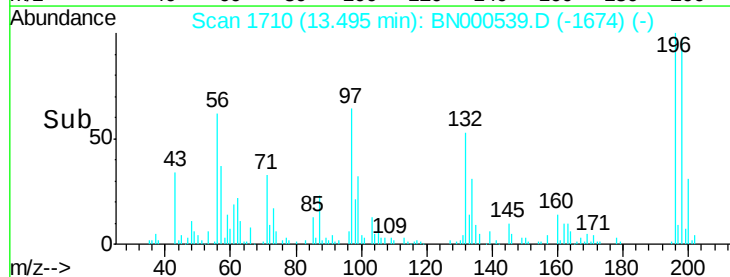
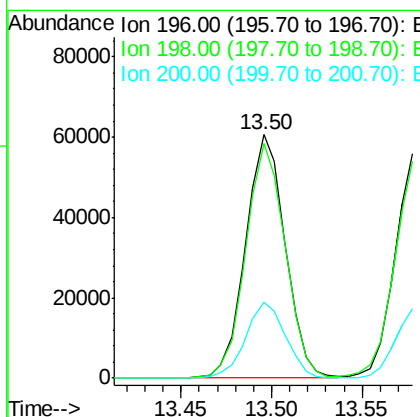
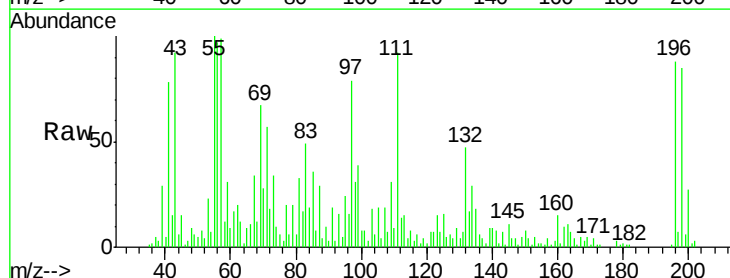
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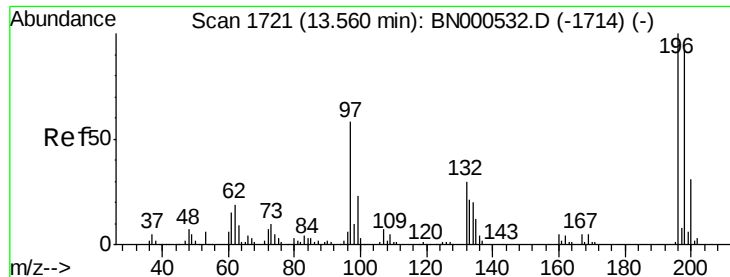
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#38  
 2,4,6-Trichlorophenol  
 Concen: 11.435 ng/ul  
 RT: 13.50 min Scan# 1710  
 Delta R.T. 0.01 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

Tgt Ion:196 Resp: 92394  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 75.9 113.9  
 200 31.0 25.8 38.6





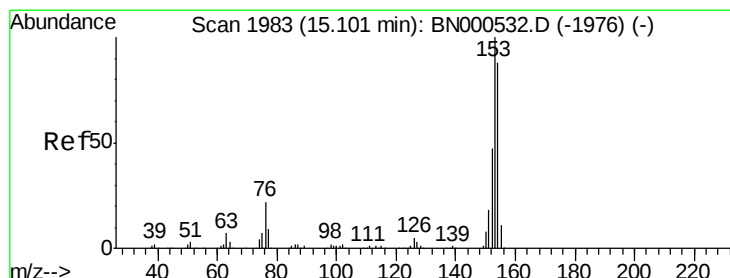
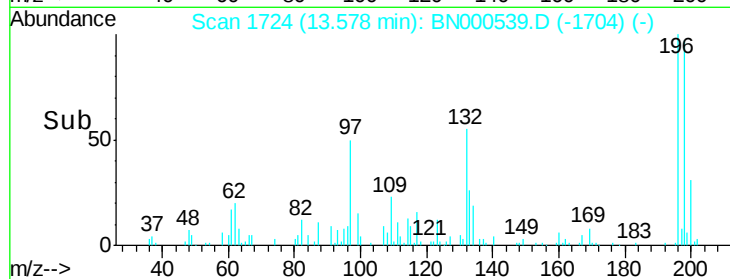
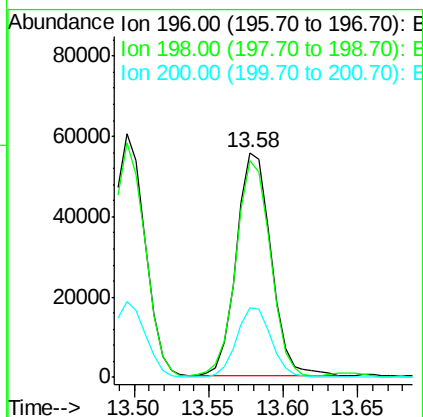
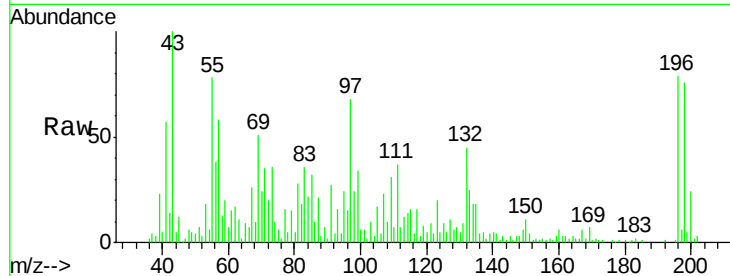
#39  
 2,4,5-Trichlorophenol  
 Concen: 10.695 ng/ul  
 RT: 13.58 min Scan# 1724  
 Delta R.T. 0.02 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAM48DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 90107 |       |       |
| 198     | 96.4  | 74.7  | 112.1 |       |
| 200     | 30.7  | 25.4  | 38.0  |       |

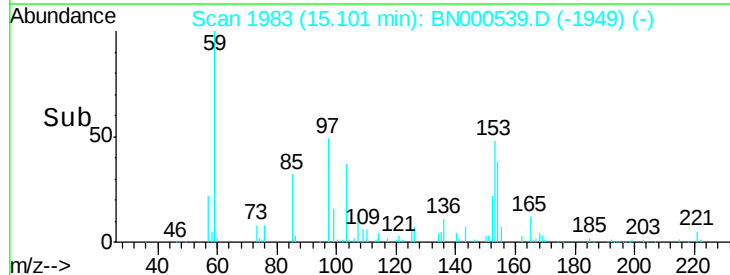
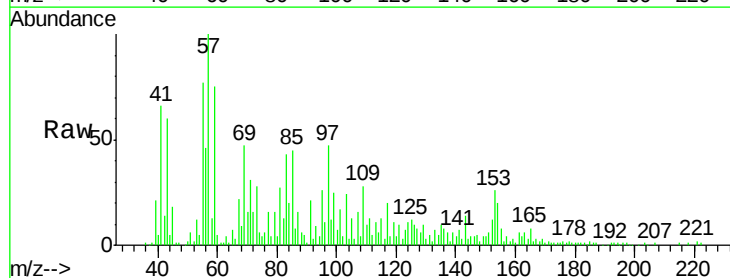
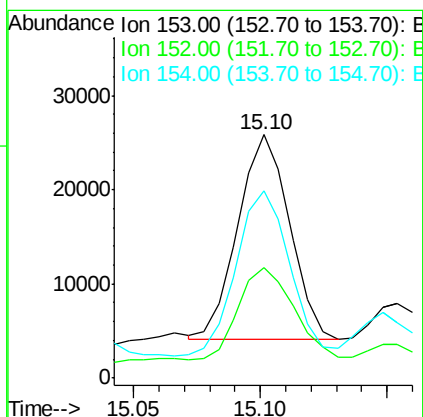
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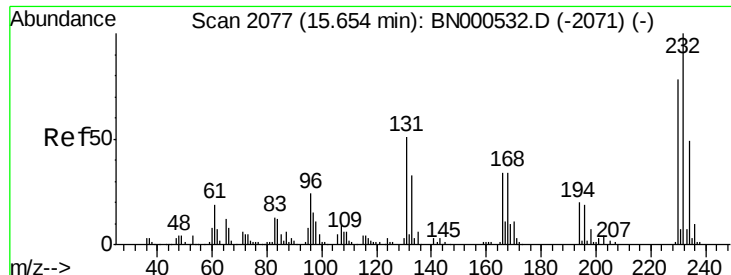
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#49  
 Acenaphthene  
 Concen: 1.121 ng/ul  
 RT: 15.10 min Scan# 1983  
 Delta R.T. 0.00 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 153     | 100   | 30953 |       |       |
| 152     | 45.3  | 37.9  | 56.9  |       |
| 154     | 77.0  | 69.8  | 104.6 |       |





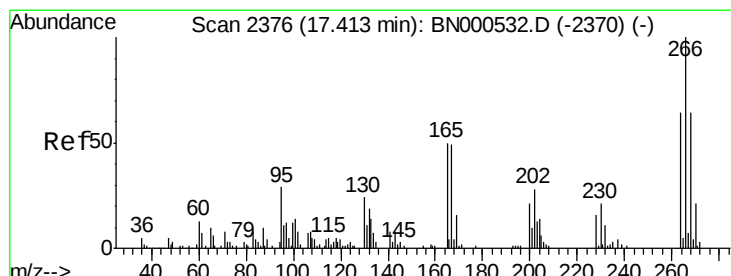
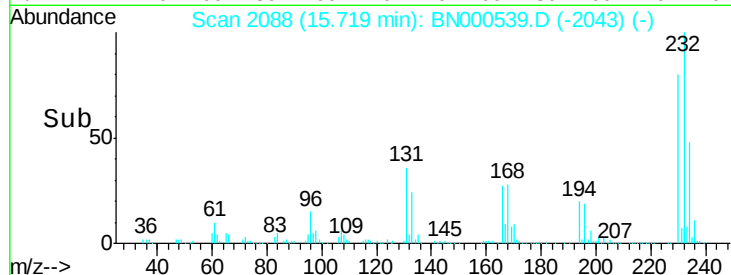
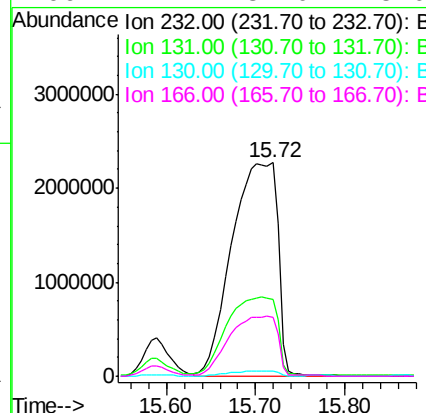
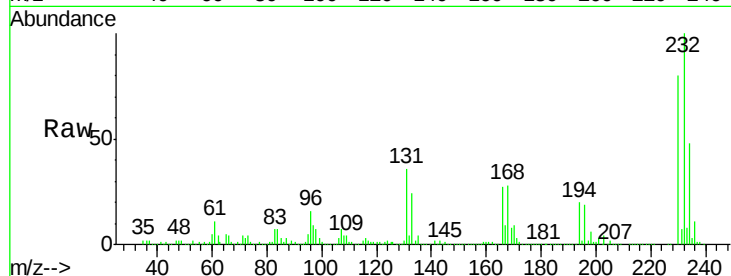
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 2,3,4,6-Tetrachlorophenol  
 Concen: 1253.363 ng/ul m  
 RT: 15.72 min Scan# 2088  
 Delta R.T. 0.06 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAM48DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 36.0  | 48.0  | 72.0# |
| 130     | 2.3   | 4.0   | 6.0#  |
| 166     | 27.4  | 32.0  | 48.0# |

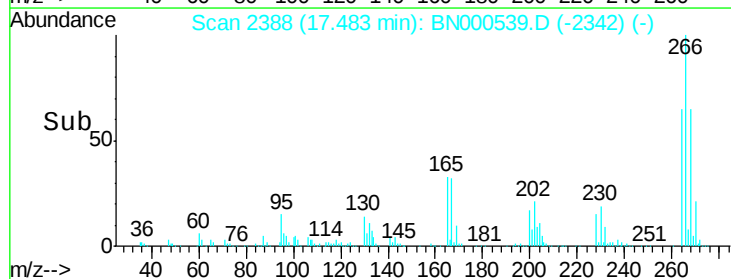
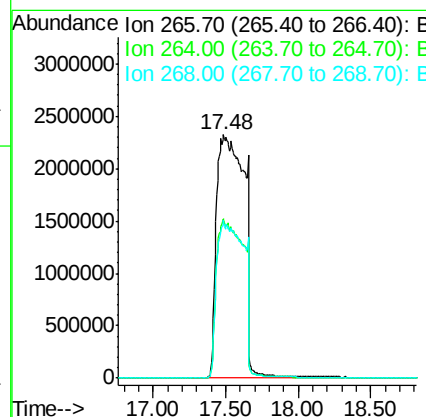
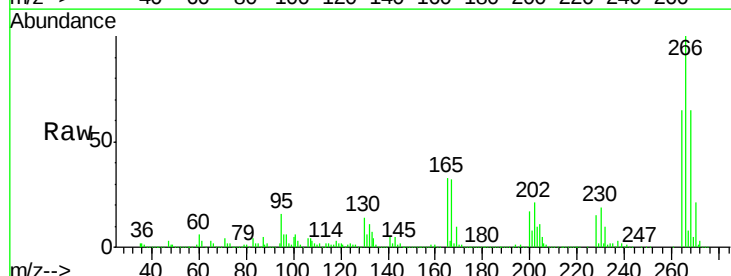
Manual Integrations  
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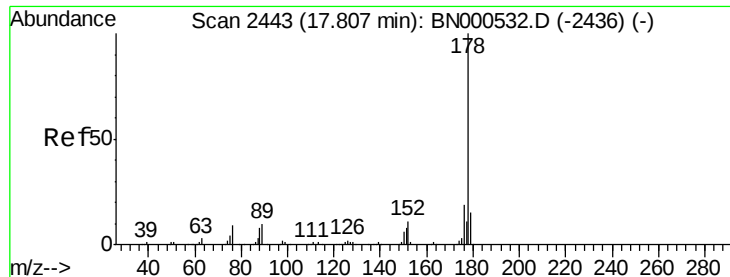
Sohil  
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#68  
 Pentachlorophenol  
 Concen: 6686.008 ng/ul m  
 RT: 17.48 min Scan# 2388  
 Delta R.T. 0.07 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 65.3  | 48.2  | 72.4  |
| 268     | 64.7  | 52.3  | 78.5  |





#69

Phenanthrene

Concen: 2.870 ng/ul m

RT: 17.88 min Scan# 2455

Delta R.T. 0.07 min

Lab File: BN000539.D

Acq: 22 Mar 2018 14:28

Instrument :

BNA\_N

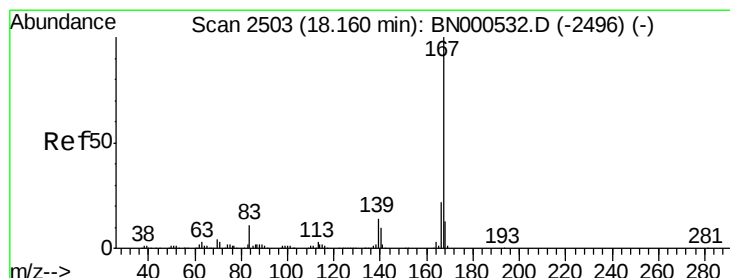
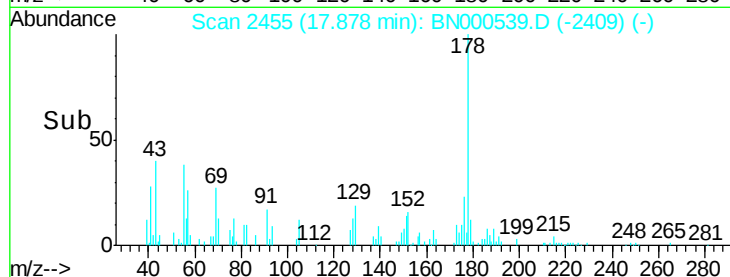
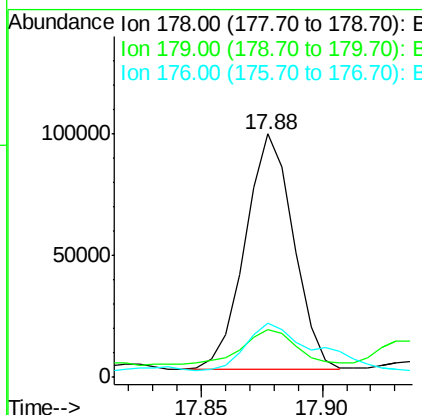
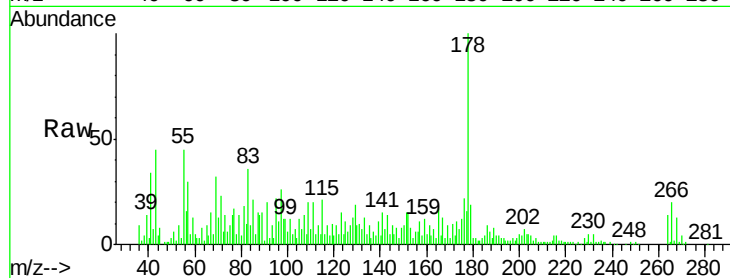
ClientSampled :

DAM48DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 19.5  | 12.3  | 18.5# |
| 176     | 22.4  | 15.4  | 23.0  |

Manual Integrations  
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#72

Carbazole

Concen: 6.100 ng/ul

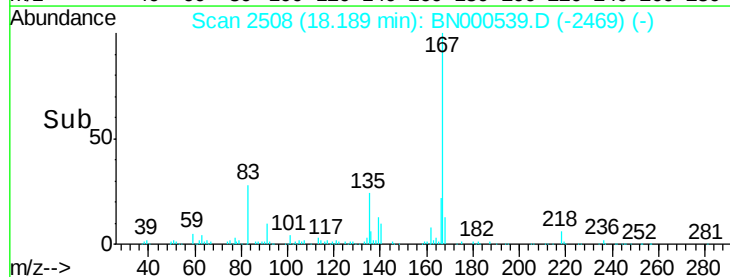
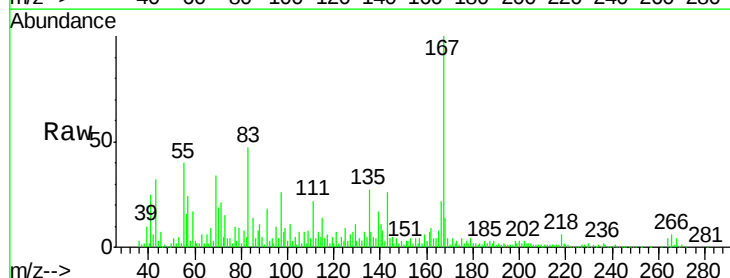
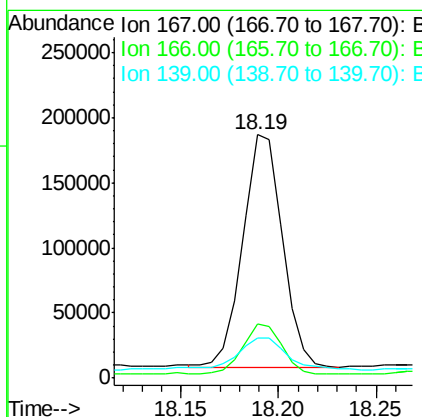
RT: 18.19 min Scan# 2508

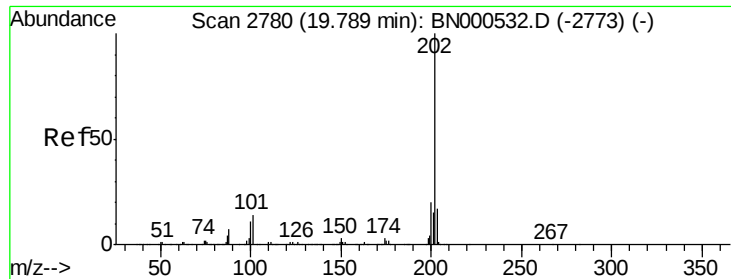
Delta R.T. 0.03 min

Lab File: BN000539.D

Acq: 22 Mar 2018 14:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.0  | 17.0  | 25.4  |
| 139     | 16.5  | 9.1   | 13.7# |





#74  
 Fluoranthene  
 Concen: 1.196 ng/ul  
 RT: 19.80 min Scan# 2781  
 Delta R.T. 0.01 min  
 Lab File: BN000539.D  
 Acq: 22 Mar 2018 14:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAM48DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 28.9  | 6.1        | 9.1#       |
| 100     | 16.9  | 4.6        | 7.0#       |

Manual Integrations  
 APPROVED

Sohil  
 3/23/2018 3:49:31 PM

