

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN032218\  
 Data File : BN000557.D  
 Acq On : 23 Mar 2018 01:02  
 Operator : JU/SJ  
 Sample : J1905-07DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 DAM42DL

Manual Integrations  
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 3/23/2018 3:49:51 PM

Quant Time: Mar 23 13:07:52 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  | 161818   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.26 | 136  | 599203   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.04 | 164  | 283899   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.80 | 188  | 511625   | 20.00 | ng/ul | 0.03     |
| 75) Chrysene-d12          | 21.88 | 240  | 470463   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.37 | 264  | 490112   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

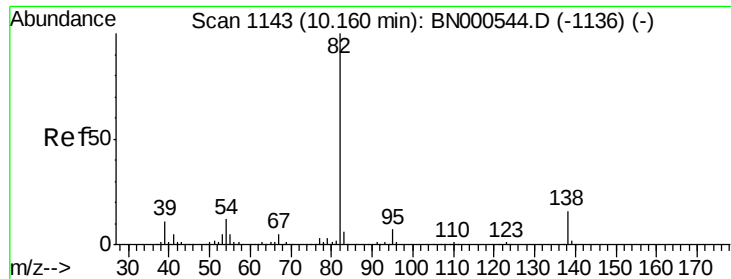
|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 1383   | 0.31  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.59  | 99  | 28818m | 1.91  | ng/ul | 0.03  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.72  | 67  | 77946  | 8.95  | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.95  | 132 | 69066  | 6.05  | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.14  | 113 | 45981  | 3.91  | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.60  | 128 | 45886  | 9.43  | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.33 | 143 | 42090  | 8.35  | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.88 | 165 | 68659  | 7.60  | ng/ul | 0.01  |
| 29) 4-Chloroaniline-d4         | 11.35 | 131 | 130484 | 14.07 | ng/ul | -0.03 |
| 43) Dimethylphthalate-d6       | 14.42 | 166 | 177473 | 7.91  | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.74 | 160 | 235032 | 7.94  | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.23 | 143 | 45280  | 10.87 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 16.02 | 176 | 147662 | 7.73  | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.15 | 200 | 66584  | 22.72 | ng/ul | 0.02  |
| 70) Anthracene-d10             | 17.88 | 188 | 183693 | 7.47  | ng/ul | 0.02  |
| 76) Pyrene-d10                 | 20.12 | 212 | 177007 | 6.82  | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 24.20 | 264 | 92907  | 4.02  | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |           |          |        | Qvalue |
|--------------------------------|-------|-----|-----------|----------|--------|--------|
| 21) Isophorone                 | 10.17 | 82  | 484189    | 21.143   | ng/ul# | 77     |
| 28) Naphthalene                | 11.31 | 128 | 525903    | 16.713   | ng/ul# | 94     |
| 34) 2-Methylnaphthalene        | 12.89 | 142 | 761957    | 36.269   | ng/ul  | 99     |
| 38) 2,4,6-Trichlorophenol      | 13.49 | 196 | 46487     | 8.035    | ng/ul  | 98     |
| 39) 2,4,5-Trichlorophenol      | 13.57 | 196 | 124415    | 20.624   | ng/ul  | 96     |
| 40) 1,1'-Biphenyl              | 13.87 | 154 | 72724     | 3.009    | ng/ul# | 83     |
| 49) Acenaphthene               | 15.10 | 153 | 38570     | 1.952    | ng/ul# | 79     |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.68 | 232 | 4130301   | 896.618  | ng/ul# | 77     |
| 58) Fluorene                   | 16.08 | 166 | 68003     | 3.188    | ng/ul# | 83     |
| 68) Pentachlorophenol          | 17.50 | 266 | 16759020m | 5765.016 | ng/ul  |        |
| 69) Phenanthrene               | 17.84 | 178 | 207612    | 7.044    | ng/ul# | 88     |
| 77) Pyrene                     | 20.15 | 202 | 57615     | 1.677    | ng/ul# | 54     |
| 81) Bis(2-ethylhexyl)phthalate | 21.74 | 149 | 171759    | 6.931    | ng/ul# | 98     |
| 84) Di-n-octyl phthalate       | 22.70 | 149 | 137579    | 3.335    | ng/ul  | 100    |

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





#21

Isophorone

Concen: 21.143 ng/ul

RT: 10.17 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BN000557.D

Acq: 23 Mar 2018 01:02

Instrument :

BNA\_N

ClientSampleId :

DAM42DL

Tgt Ion: 82 Resp: 484189  
Ion Ratio Lower Upper

82 100

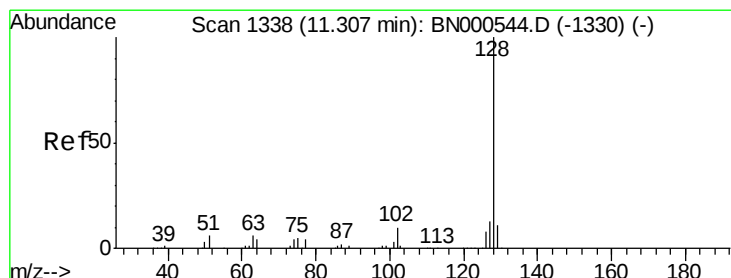
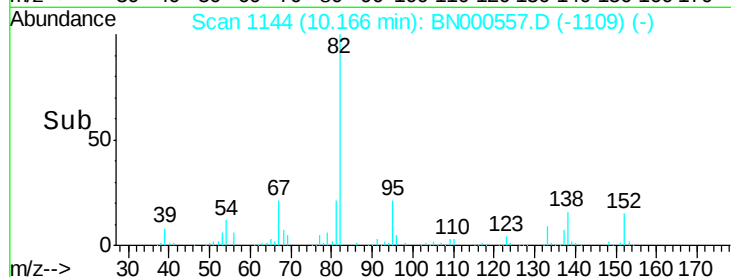
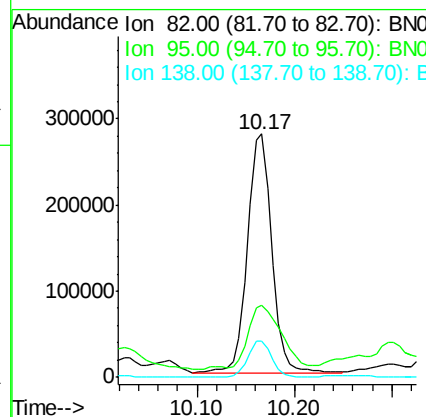
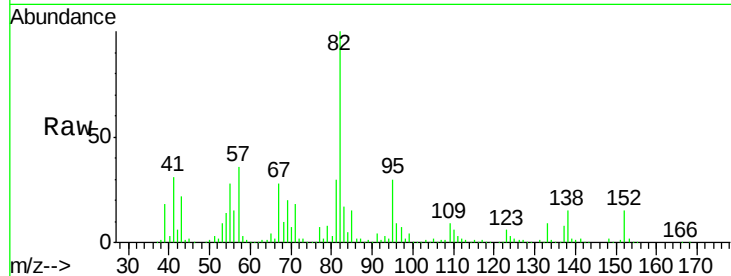
95 29.8 6.1 9.1#

138 15.1 13.5 20.3

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#28

Naphthalene

Concen: 16.713 ng/ul

RT: 11.31 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BN000557.D

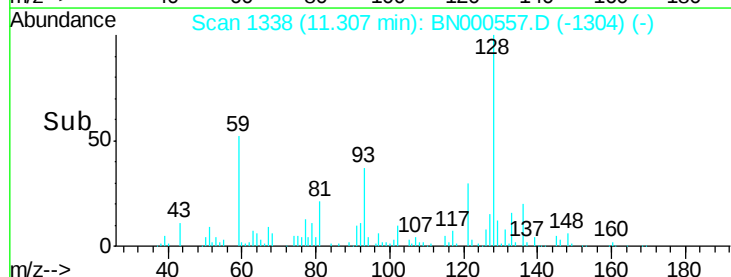
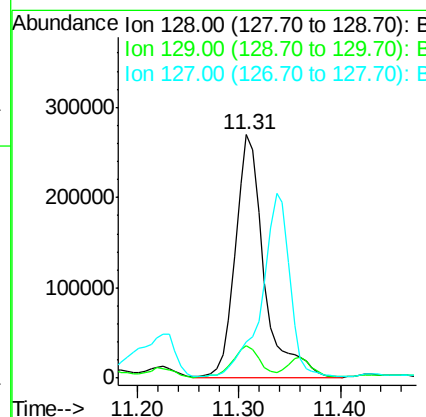
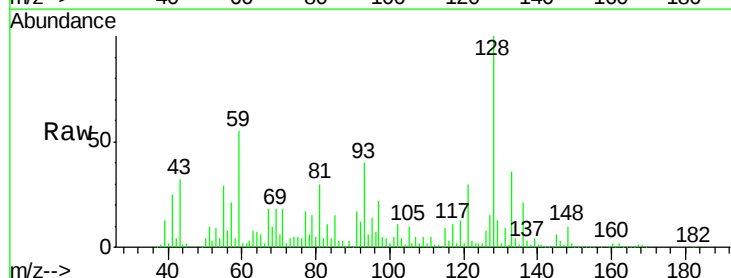
Acq: 23 Mar 2018 01:02

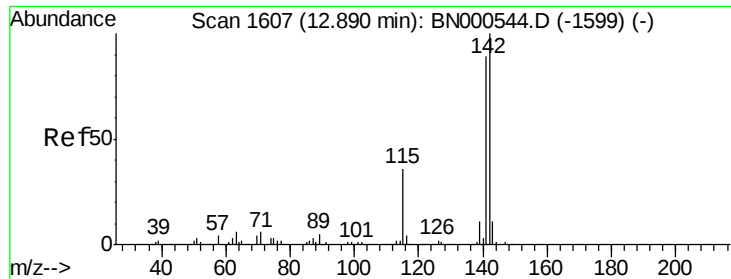
Tgt Ion: 128 Resp: 525903  
Ion Ratio Lower Upper

128 100

129 13.2 8.3 12.5#

127 15.1 10.8 16.2





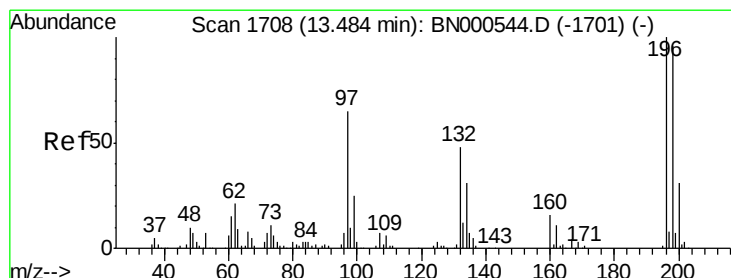
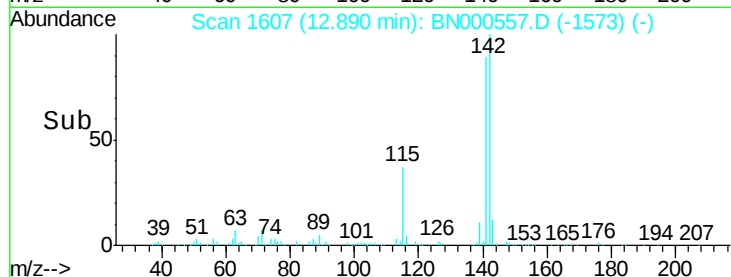
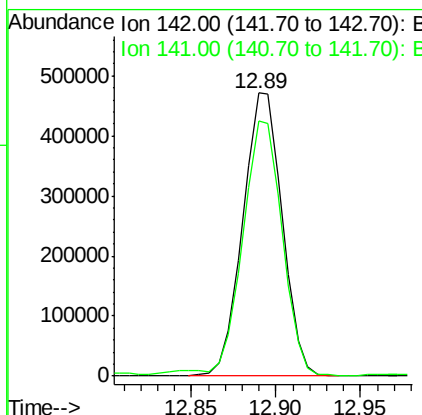
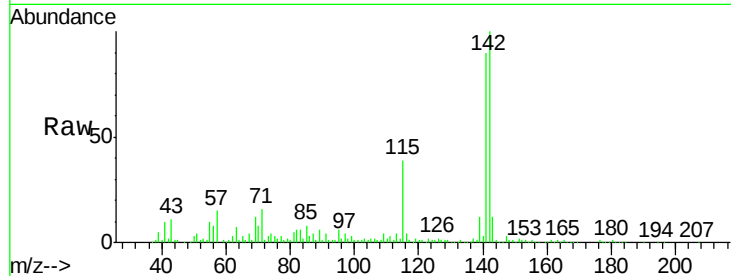
#34  
 2-Methylnaphthalene  
 Concen: 36.269 ng/ul  
 RT: 12.89 min Scan# 1607  
 Delta R.T. 0.00 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

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 DAM42DL

Tgt Ion:142 Resp: 761957  
 Ion Ratio Lower Upper  
 142 100  
 141 90.2 71.4 107.2

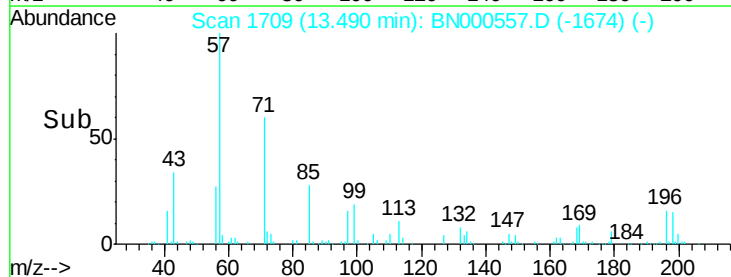
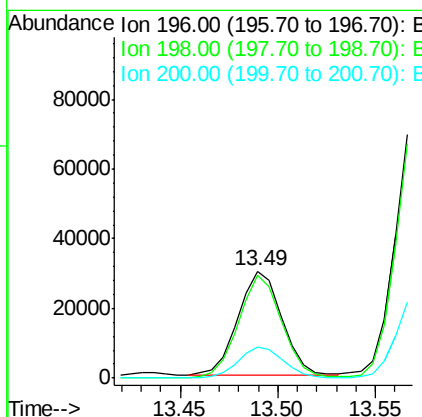
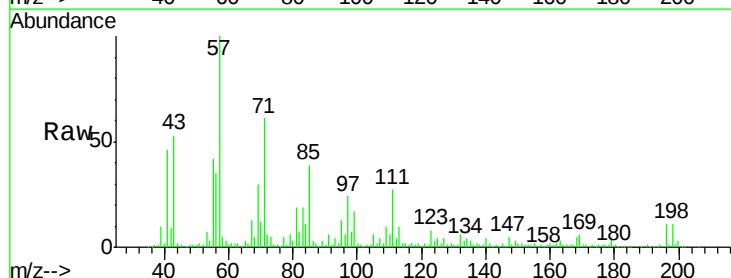
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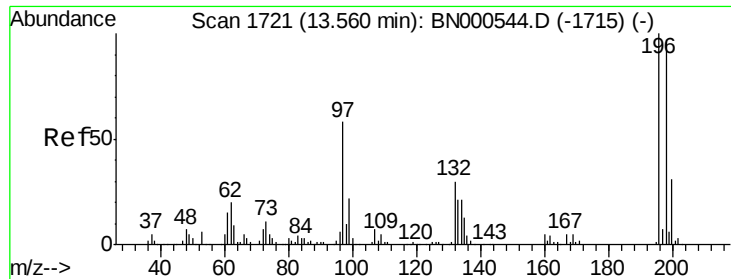
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#38  
 2,4,6-Trichlorophenol  
 Concen: 8.035 ng/ul  
 RT: 13.49 min Scan# 1709  
 Delta R.T. 0.01 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

Tgt Ion:196 Resp: 46487  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 75.9 113.9  
 200 28.8 25.8 38.6





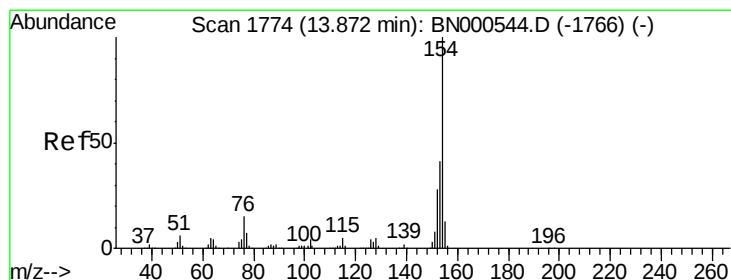
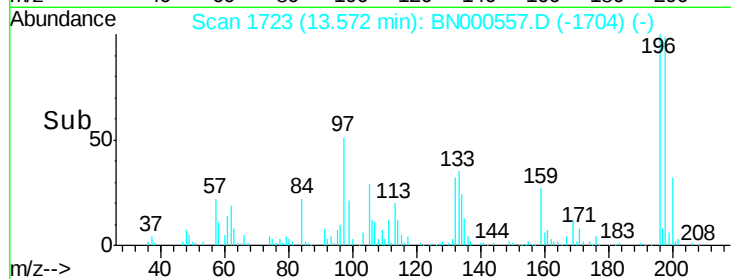
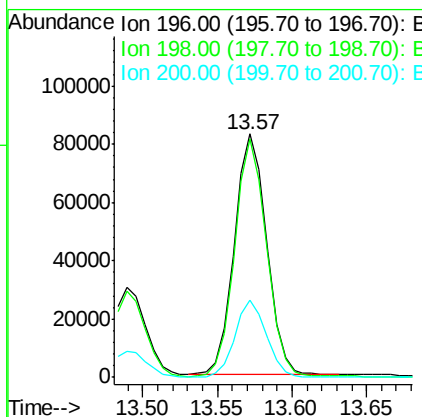
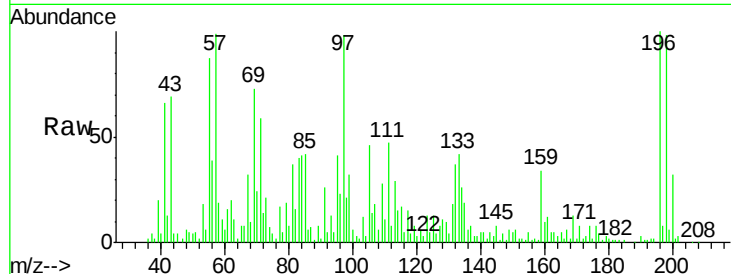
#39  
 2,4,5-Trichlorophenol  
 Concen: 20.624 ng/ul  
 RT: 13.57 min Scan# 1723  
 Delta R.T. 0.01 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

Instrument :  
 BNA\_N  
 ClientSampled :  
 DAM42DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 124415 |       |       |
| 198     | 97.9  | 74.7   | 112.1 |       |
| 200     | 31.8  | 25.4   | 38.0  |       |

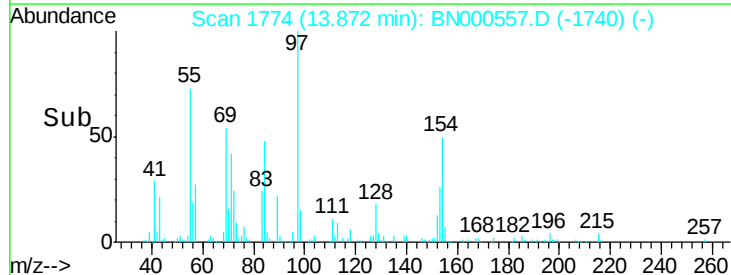
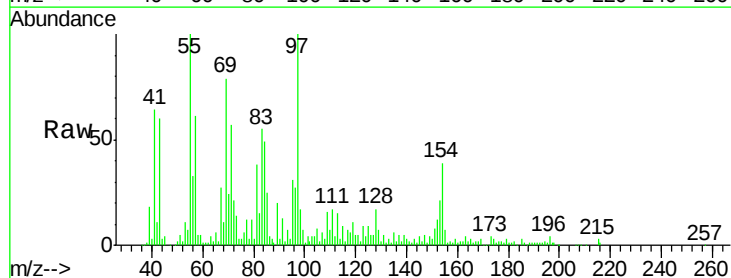
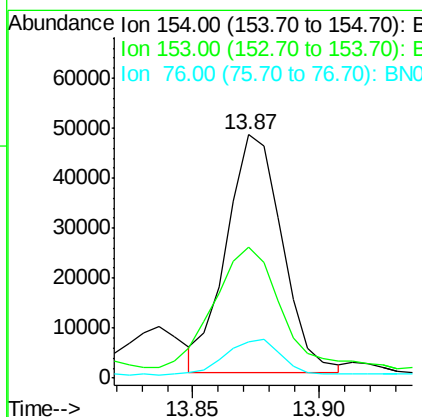
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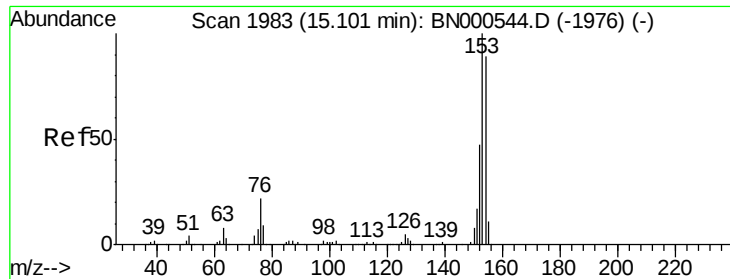
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#40  
 1,1'-Biphenyl  
 Concen: 3.009 ng/ul  
 RT: 13.87 min Scan# 1774  
 Delta R.T. 0.00 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 72724 |       |       |
| 153     | 53.9  | 34.0  | 51.0# |       |
| 76      | 14.7  | 8.4   | 12.6# |       |





#49

Acenaphthene

Concen: 1.952 ng/ul

RT: 15.10 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BN000557.D

Acq: 23 Mar 2018 01:02

Instrument :

BNA\_N

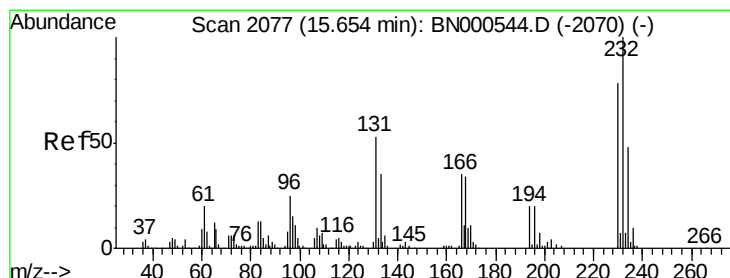
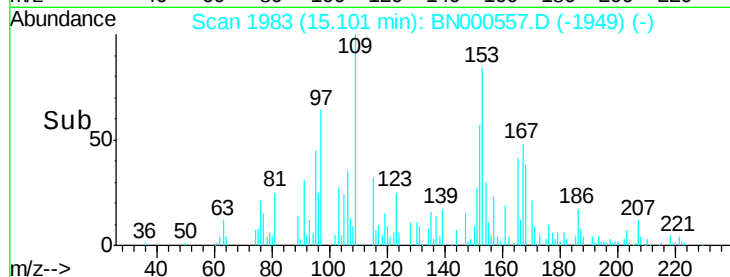
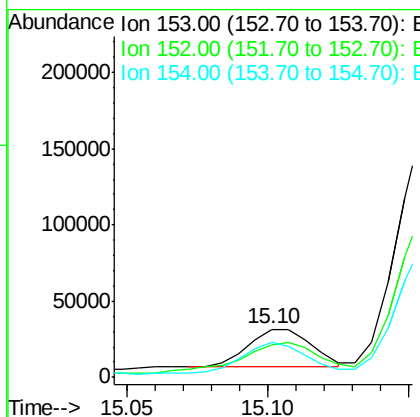
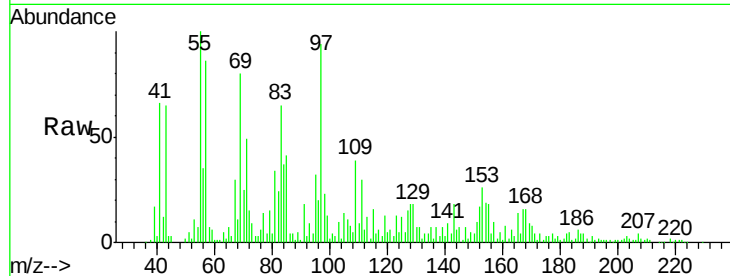
ClientSampled :

DAM42DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 38570 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 68.0  | 37.9  | 56.9# |
| 154       | 72.7  | 69.8  | 104.6 |

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#55

2,3,4,6-Tetrachlorophenol

Concen: 896.618 ng/ul

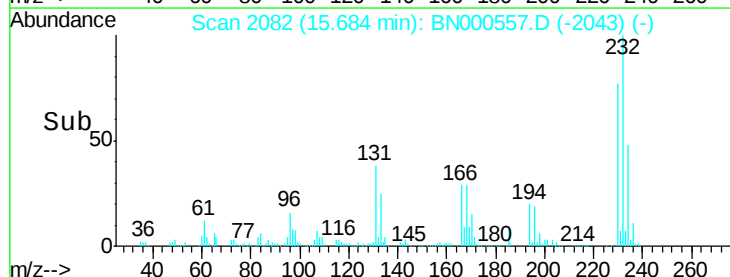
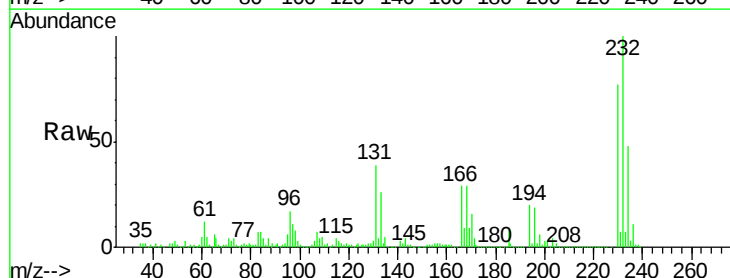
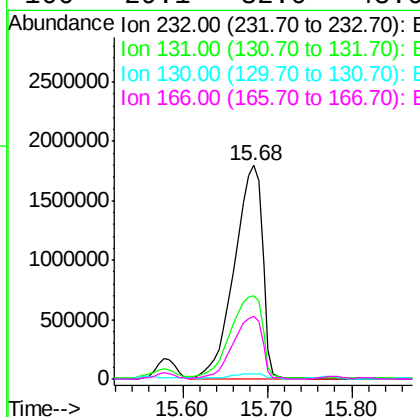
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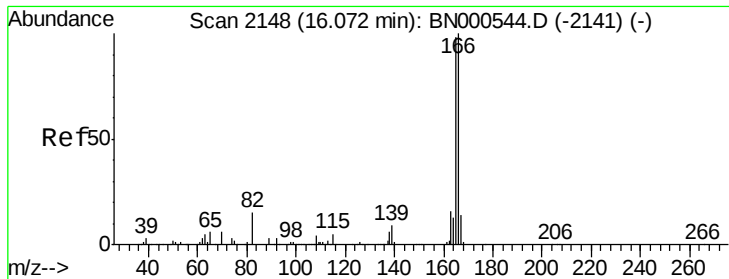
Delta R.T. 0.03 min

Lab File: BN000557.D

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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 232   | Resp: | 4130301 |
| Ion Ratio | Lower | Upper |         |
| 232       | 100   |       |         |
| 131       | 39.1  | 48.0  | 72.0#   |
| 130       | 2.7   | 4.0   | 6.0#    |
| 166       | 29.1  | 32.0  | 48.0#   |





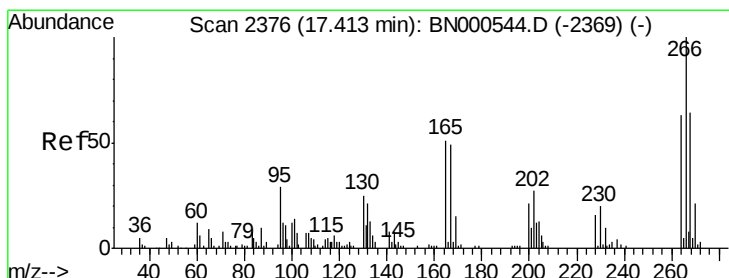
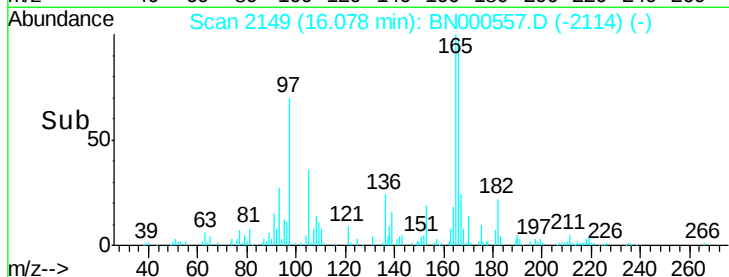
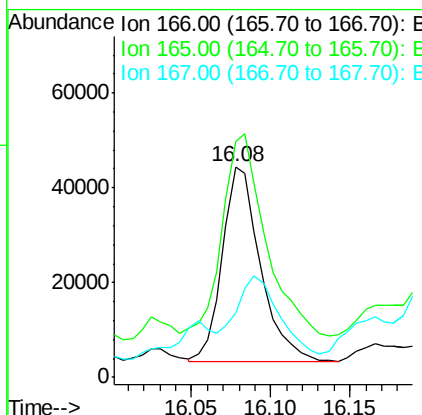
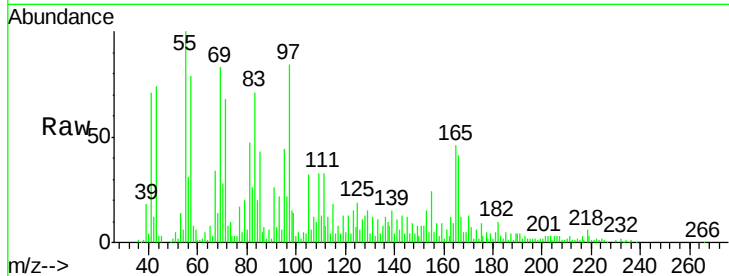
#58  
 Fluorene  
 Concen: 3.188 ng/ul  
 RT: 16.08 min Scan# 2149  
 Delta R.T. 0.01 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

Instrument :  
 BNA\_N  
 ClientSampleID :  
 DAM42DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 112.0 | 78.4  | 117.6 |
| 167     | 30.5  | 11.1  | 16.7# |

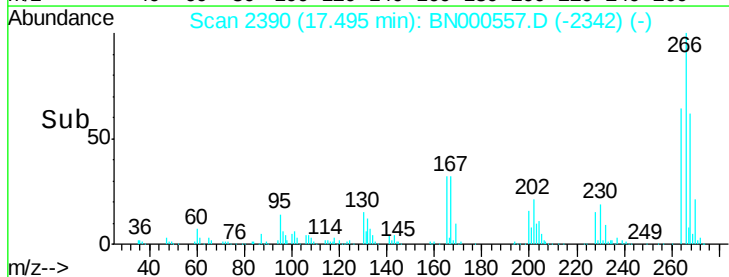
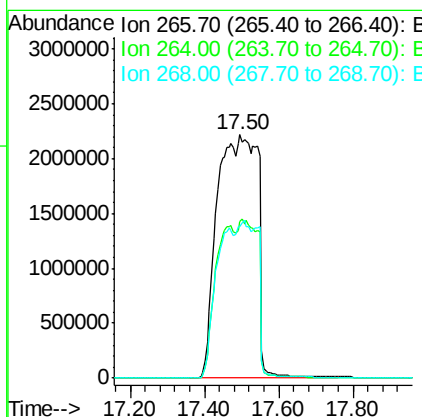
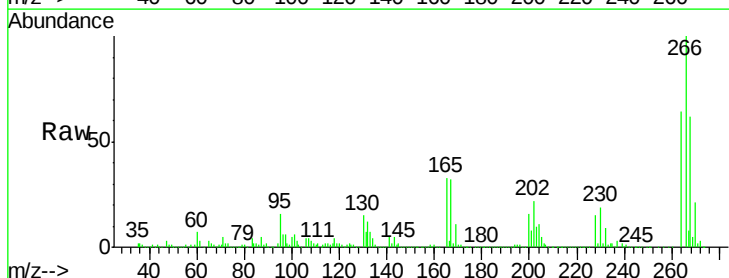
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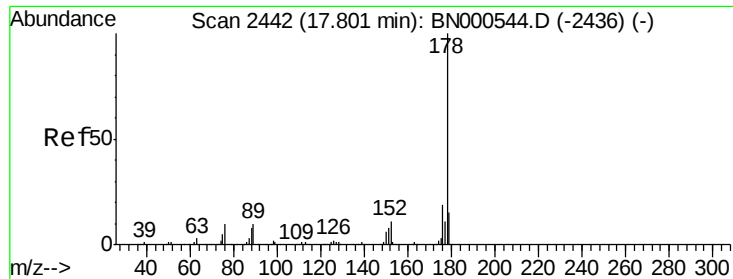
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#68  
 Pentachlorophenol  
 Concen: 5765.016 ng/ul m  
 RT: 17.50 min Scan# 2390  
 Delta R.T. 0.08 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 64.3  | 48.2  | 72.4  |
| 268     | 62.2  | 52.3  | 78.5  |





#69

Phenanthrene

Concen: 7.044 ng/ul

RT: 17.84 min Scan# 2448

Delta R.T. 0.03 min

Lab File: BN000557.D

Acq: 23 Mar 2018 01:02

Instrument :

BNA\_N

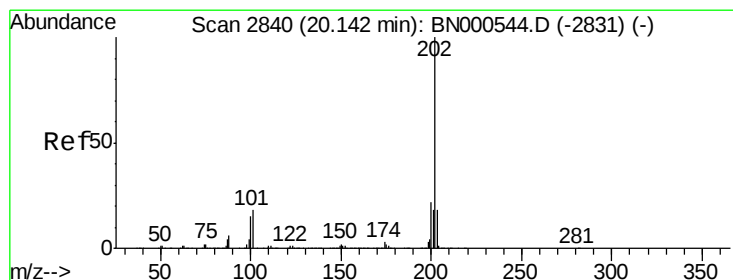
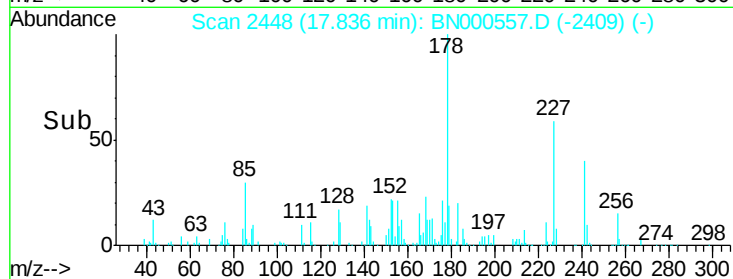
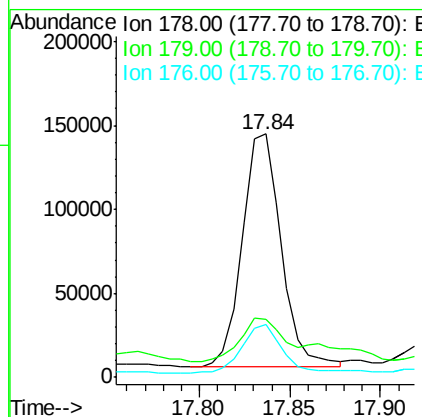
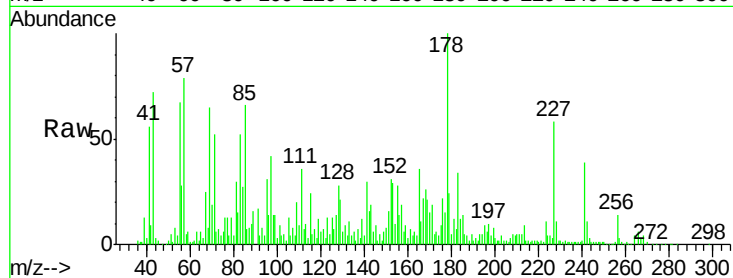
ClientSampleId :

DAM42DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 207612 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 23.9  | 12.3  | 18.5#  |
| 176       | 21.8  | 15.4  | 23.0   |

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#77

Pyrene

Concen: 1.677 ng/ul

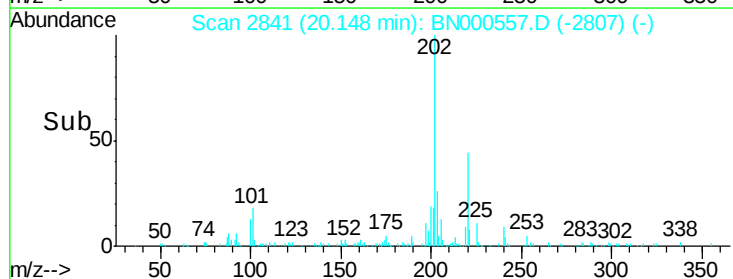
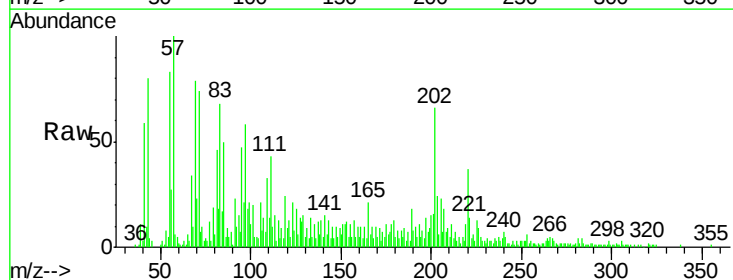
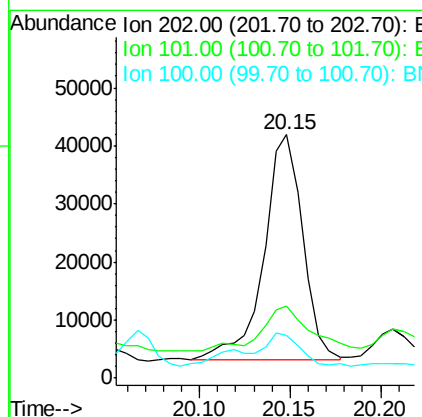
RT: 20.15 min Scan# 2841

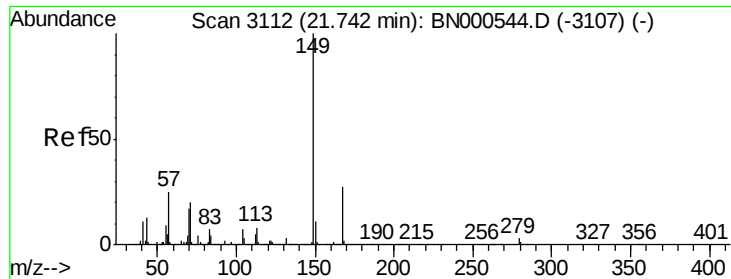
Delta R.T. 0.00 min

Lab File: BN000557.D

Acq: 23 Mar 2018 01:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 57615 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 29.7  | 6.9   | 10.3# |
| 100       | 17.4  | 5.6   | 8.4#  |





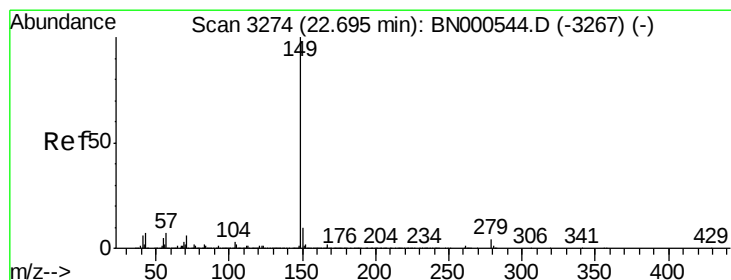
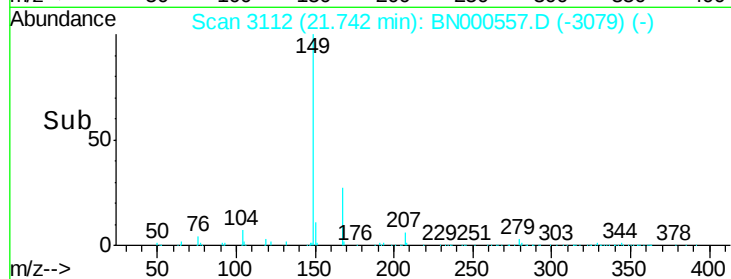
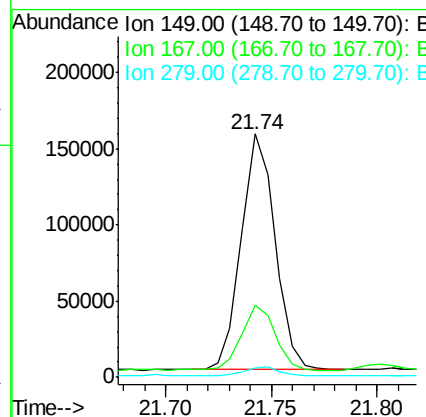
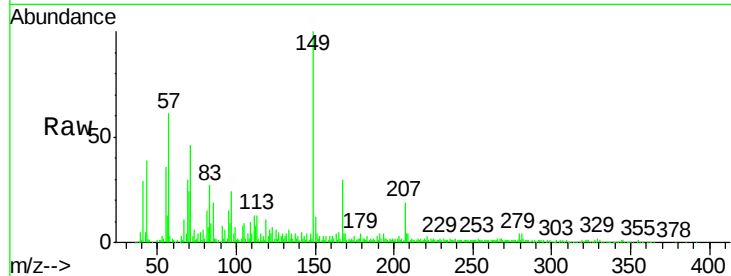
#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 6.931 ng/ul  
 RT: 21.74 min Scan# 3112  
 Delta R.T. -0.01 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAM42DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 29.8  | 23.0       | 34.6       |
| 279     | 4.0   | 4.3        | 6.5        |

Manual Integrations  
 APPROVED

Sohil  
 3/23/2018 3:49:51 PM



#84  
 Di-n-octyl phthalate  
 Concen: 3.335 ng/ul  
 RT: 22.70 min Scan# 3274  
 Delta R.T. -0.01 min  
 Lab File: BN000557.D  
 Acq: 23 Mar 2018 01:02

Tgt Ion:149 Resp: 137579

