

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100518\  
 Data File : BN002945.D  
 Acq On : 04 Oct 2018 22:32  
 Operator : MJ/SJ  
 Sample : J5183-10  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 JLC49

Manual Integrations  
 APPROVED

Sohil  
 10/5/2018 5:30:03 PM

Quant Time: Oct 05 04:09:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 05 02:27:06 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 132656   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 632012   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 387087   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 838073   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 630552   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.43 | 264  | 571606   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 10108  | 3.52  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 245315 | 21.77 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 159755 | 22.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 212319 | 22.90 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 200684 | 23.00 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 109656 | 22.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 128181 | 23.14 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 222651 | 22.26 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 266644 | 23.04 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 739286 | 24.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.95 | 160 | 940892 | 23.78 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 72932  | 14.56 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.26 | 176 | 669547 | 25.22 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 66851  | 12.75 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 992458 | 24.80 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.42 | 212 | 970331 | 29.16 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.29 | 264 | 747163 | 24.83 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |     |
|--------------------------------|-------|-----|--------|--------|--------|-----|
| 6) Phenol                      | 6.85  | 94  | 22572  | 1.987  | ng/ul  | 92  |
| 44) Dimethylphthalate          | 13.73 | 163 | 301737 | 10.203 | ng/ul  | 98  |
| 69) Phenanthrene               | 17.06 | 178 | 61258  | 1.327  | ng/ul  | 100 |
| 76) Fluoranthene               | 19.09 | 202 | 161268 | 3.274  | ng/ul  | 99  |
| 79) Pyrene                     | 19.45 | 202 | 150558 | 3.611  | ng/ul  | 96  |
| 80) Butylbenzylphthalate       | 20.36 | 149 | 37236  | 2.146  | ng/ul  | 99  |
| 82) Benzo(a)anthracene         | 21.20 | 228 | 63259  | 1.613  | ng/ul  | 97  |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 175761 | 6.979  | ng/ul  | 100 |
| 84) Chrysene                   | 21.26 | 228 | 116116 | 3.158  | ng/ul  | 98  |
| 87) Benzo(b)fluoranthene       | 22.77 | 252 | 145000 | 4.154  | ng/ul# | 91  |
| 88) Benzo(k)fluoranthene       | 22.81 | 252 | 35687m | 1.096  | ng/ul  |     |
| 90) Benzo(a)pyrene             | 23.33 | 252 | 56625  | 1.716  | ng/ul# | 87  |
| 91) Indeno(1,2,3-cd)pyrene     | 25.63 | 276 | 56482  | 1.446  | ng/ul  | 95  |
| 93) Benzo(g,h,i)perylene       | 26.31 | 276 | 65613  | 2.009  | ng/ul  | 97  |

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

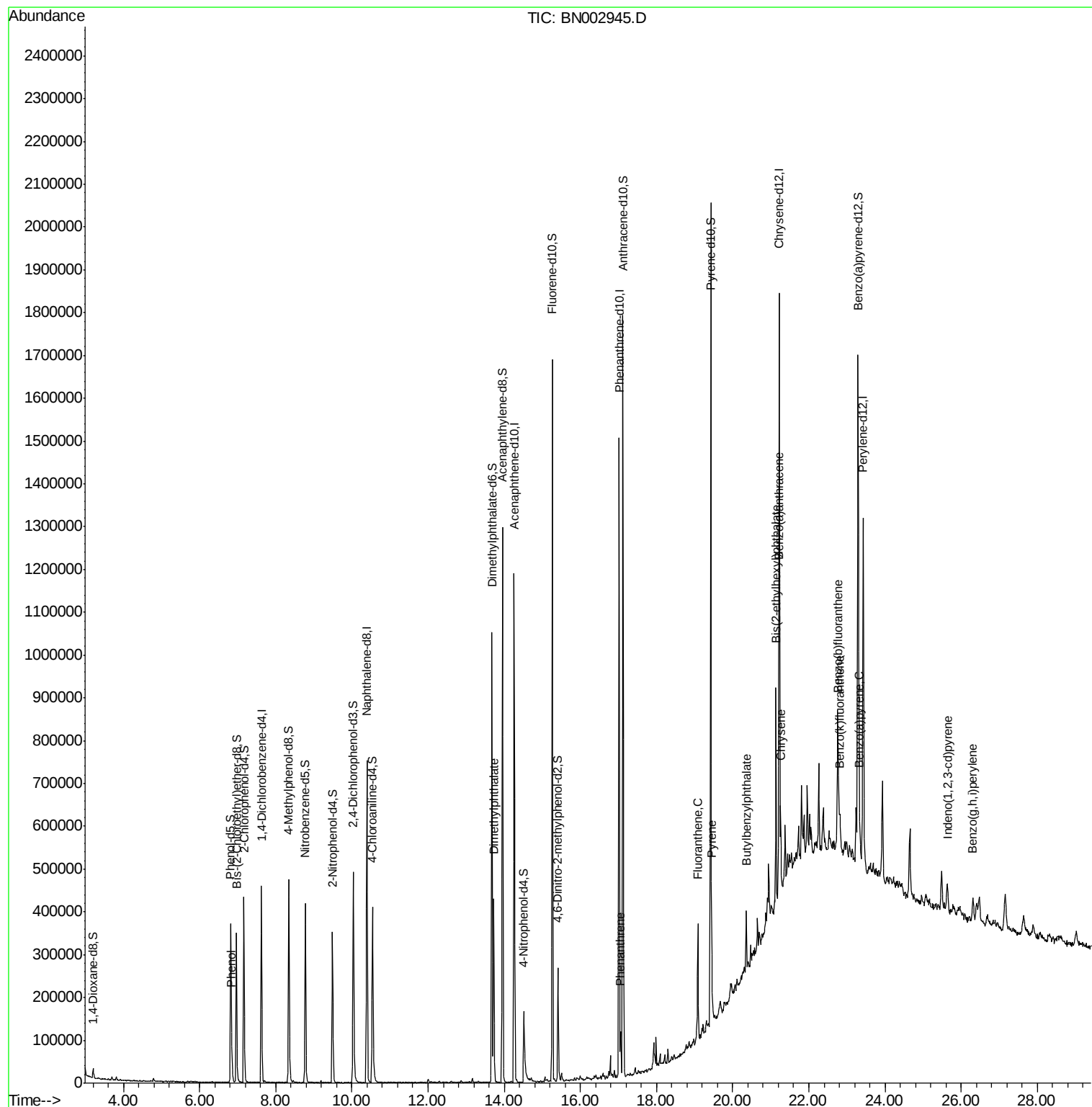
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN100518\  
Data File : BN002945.D  
Acq On : 04 Oct 2018 22:32  
Operator : MJ/SJ  
Sample : J5183-10  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

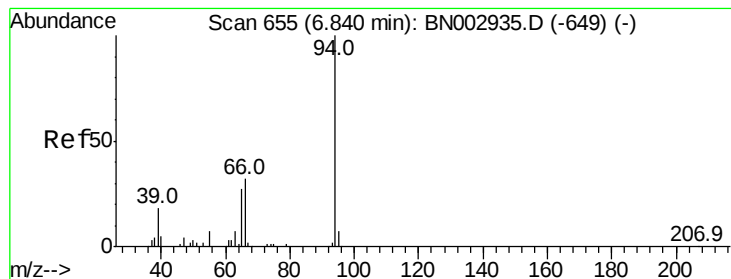
Instrument :  
BNA\_N  
ClientSampleId :  
JLC49

Quant Time: Oct 05 04:09:43 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 05 02:27:06 2018  
Response via : Initial Calibration

Manual Integrations  
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#6

Phenol

Concen: 1.987 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.01 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

Instrument :

BNA\_N

ClientSampleId :

JLC49

Tot Ion: 94 Resp: 22572

Ion Ratio Lower Upper

94 100

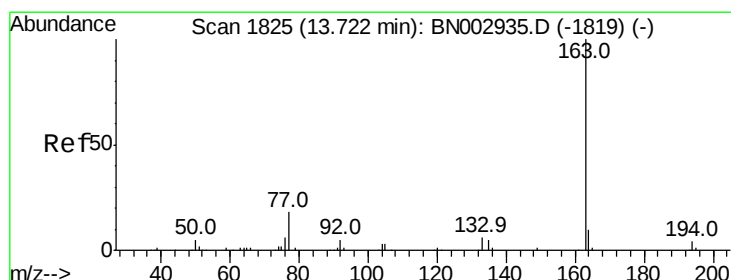
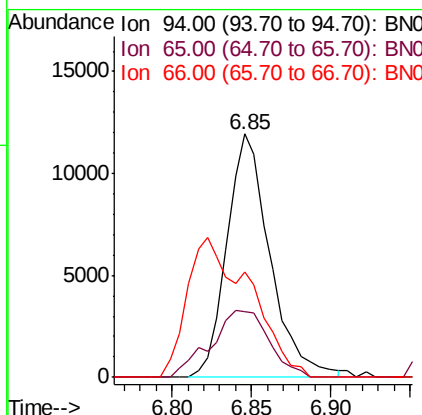
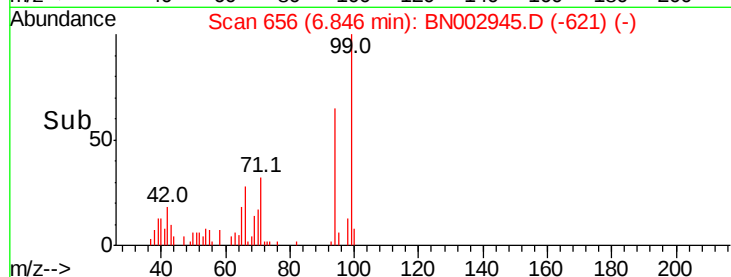
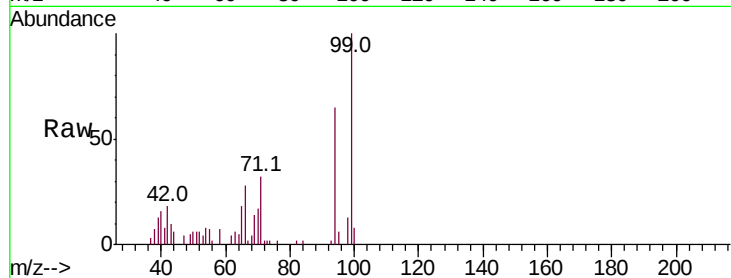
65 26.9 23.1 34.7

66 43.5 29.8 44.6

Manual Integrations  
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#44

Dimethylphthalate

Concen: 10.203 ng/ul

RT: 13.73 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

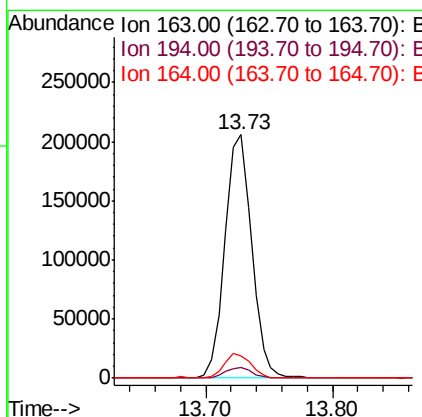
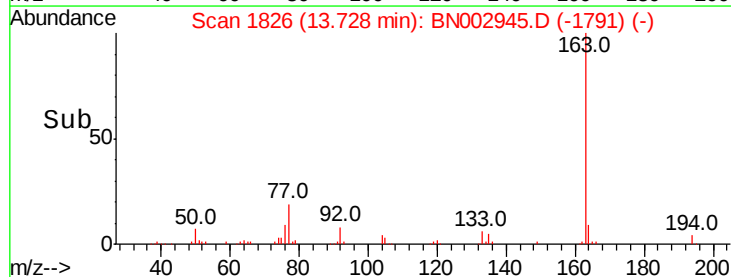
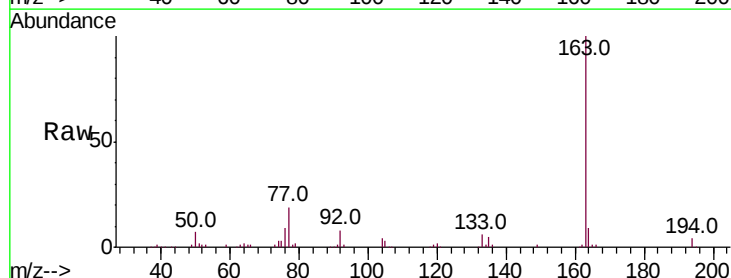
Tgt Ion: 163 Resp: 301737

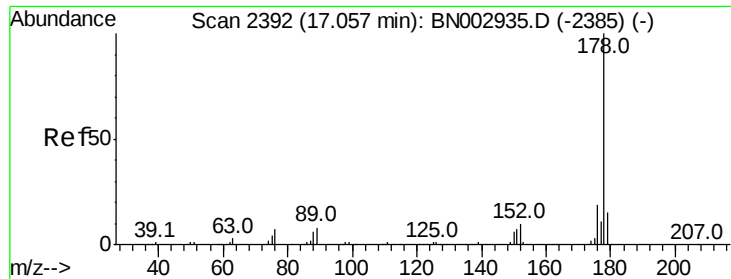
Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

164 9.0 8.1 12.1





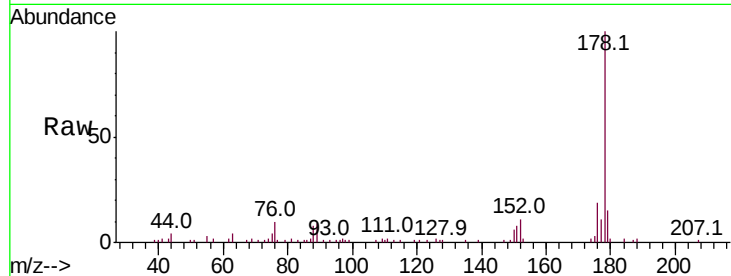
#69  
 Phenanthrene  
 Concen: 1.327 ng/ul  
 RT: 17.06 min Scan# 2392  
 Delta R.T. 0.00 min  
 Lab File: BN002945.D  
 Acq: 04 Oct 2018 22:32

Instrument :  
 BNA\_N  
 ClientSampled :  
 JLC49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 12.2  | 18.4  |
| 176     | 18.9  | 15.0  | 22.6  |

Manual Integrations  
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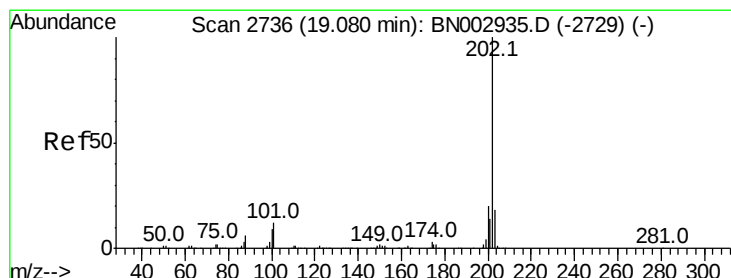
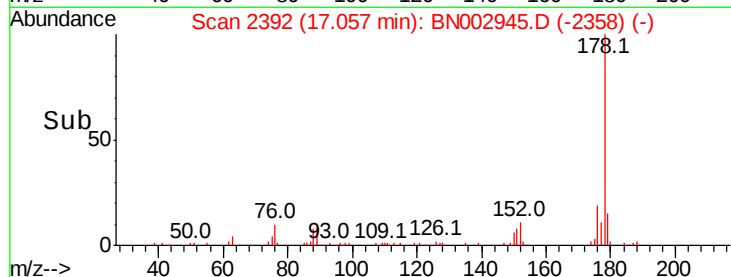
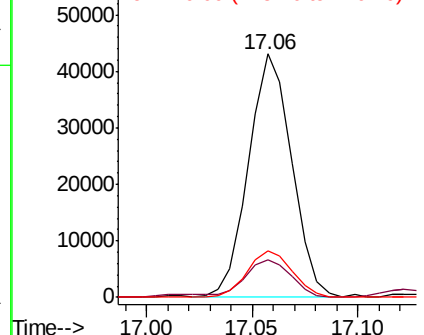


Abundance

Ion 178.00 (177.70 to 178.70): E

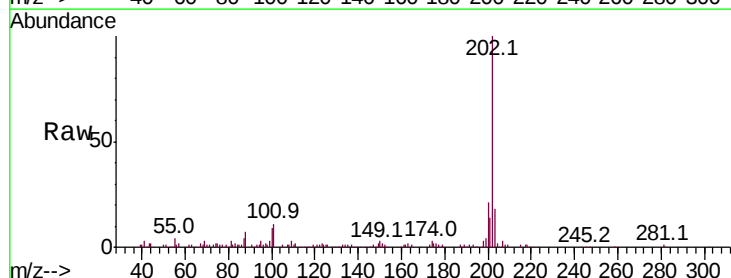
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76  
 Fluoranthene  
 Concen: 3.274 ng/ul  
 RT: 19.09 min Scan# 2737  
 Delta R.T. 0.01 min  
 Lab File: BN002945.D  
 Acq: 04 Oct 2018 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.0  | 9.4   | 14.2  |
| 100     | 9.0   | 7.0   | 10.6  |

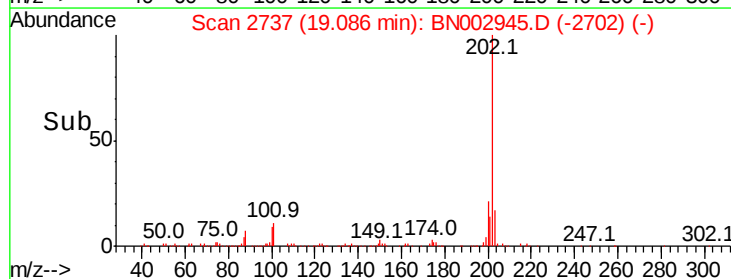
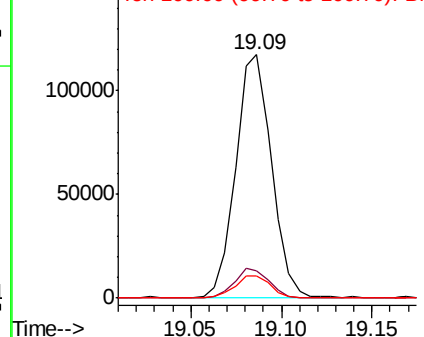


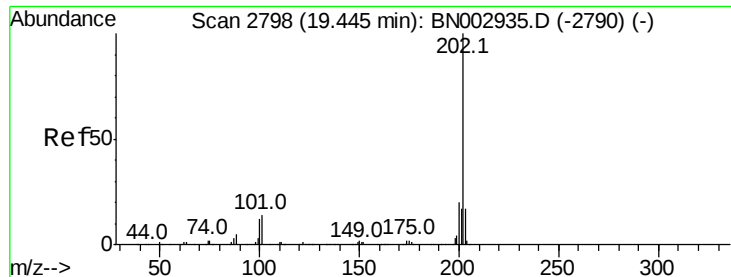
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 3.611 ng/ul

RT: 19.45 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

Instrument :

BNA\_N

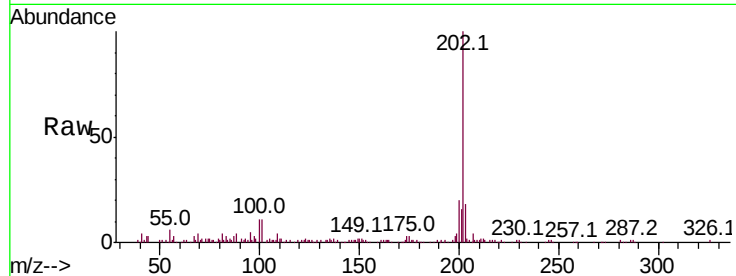
ClientSampled :

JLC49

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 150558 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 101       | 11.5 | 10.8  | 16.2   |
| 100       | 11.3 | 8.2   | 12.2   |

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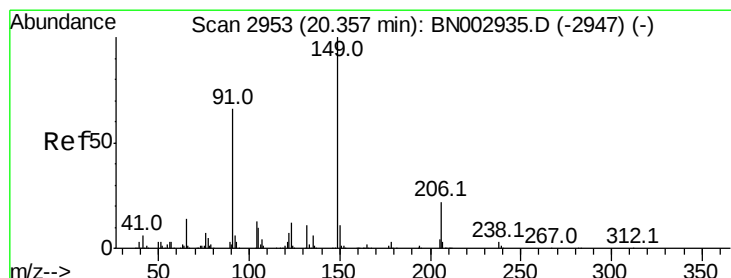
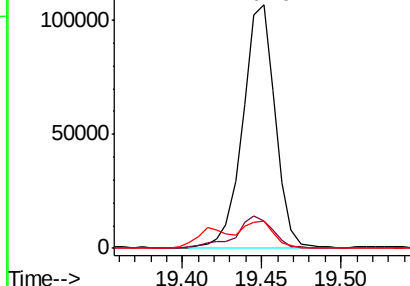
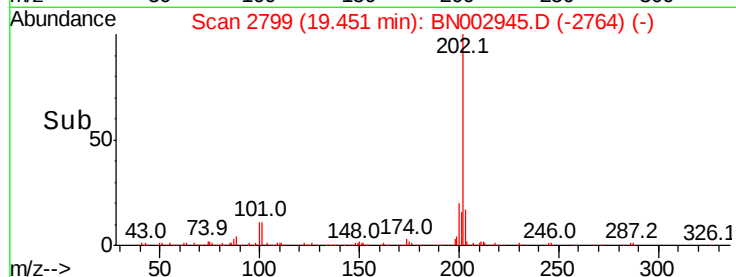
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10/5/2018 5:30:03 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Butylbenzylphthalate

Concen: 2.146 ng/ul

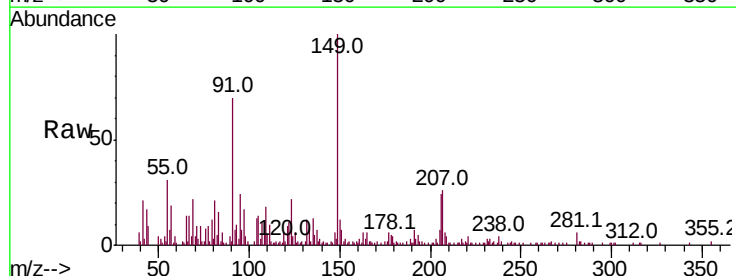
RT: 20.36 min Scan# 2953

Delta R.T. 0.00 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

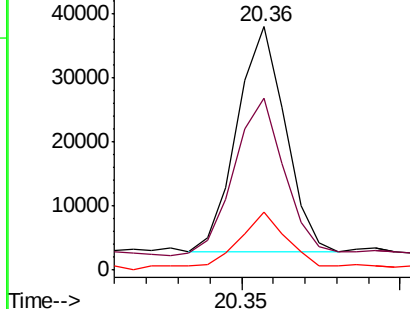
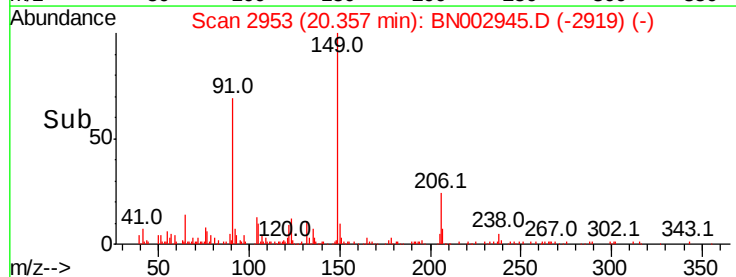
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 149  | Resp: | 37236 |
| Ion Ratio |      | Lower | Upper |
| 149       | 100  |       |       |
| 91        | 70.5 | 56.3  | 84.5  |
| 206       | 23.6 | 16.8  | 25.2  |

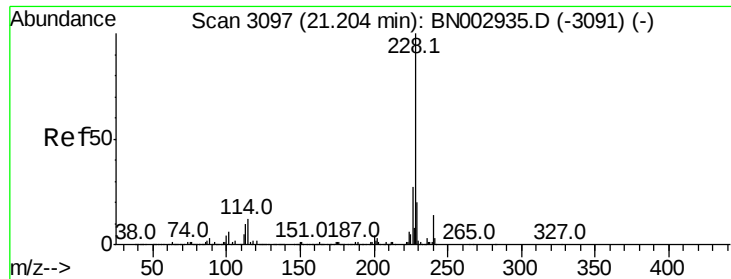


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





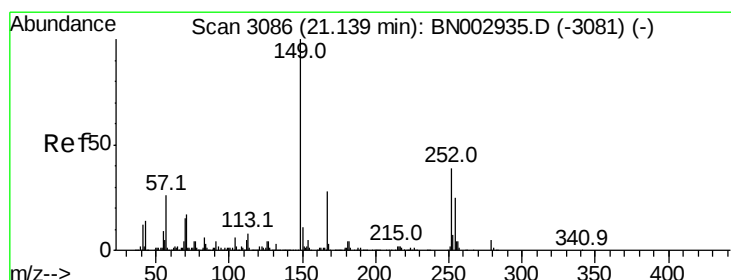
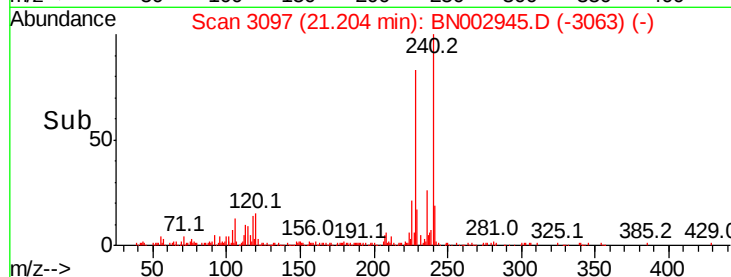
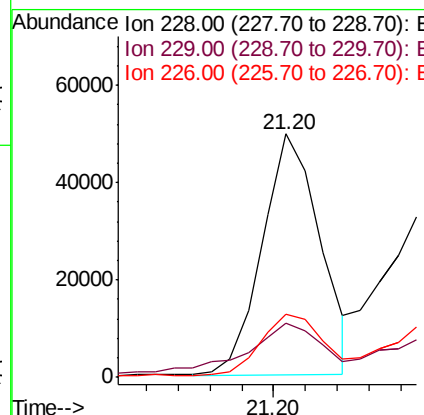
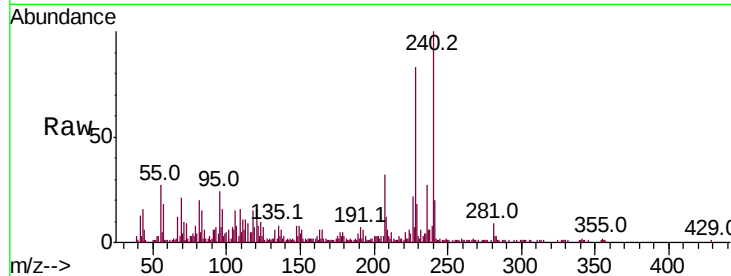
#82  
Benzo(a)anthracene  
Concen: 1.613 ng/ul  
RT: 21.20 min Scan# 3097  
Delta R.T. 0.00 min  
Lab File: BN002945.D  
Acq: 04 Oct 2018 22:32

Instrument :  
BNA\_N  
ClientSampleId :  
JLC49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.3  | 15.8  | 23.6  |
| 226     | 26.0  | 20.9  | 31.3  |

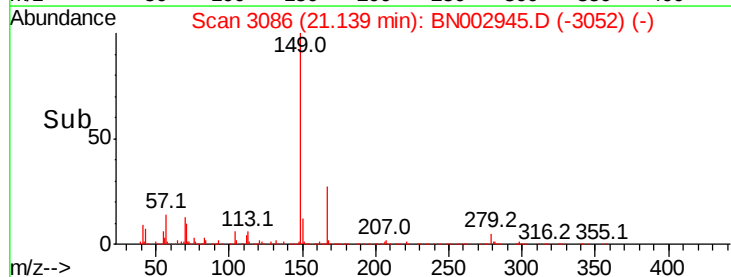
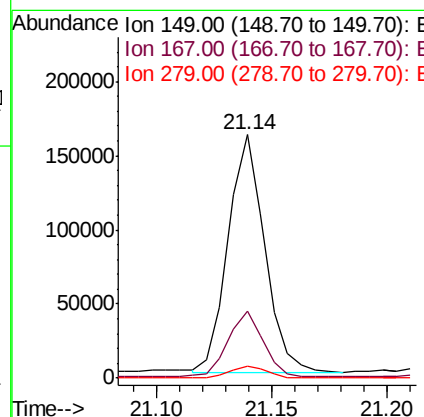
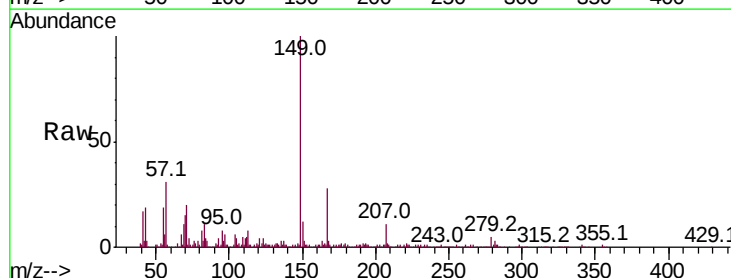
Manual Integrations  
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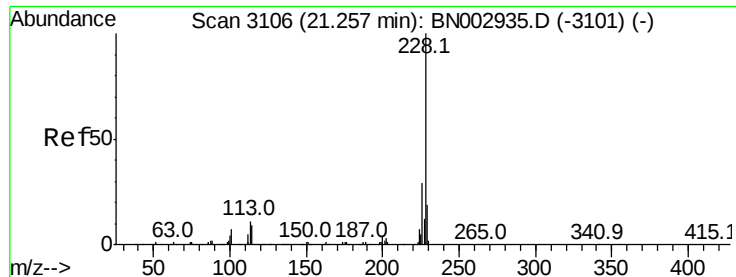
Sohil  
10/5/2018 5:30:03 PM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 6.979 ng/ul  
RT: 21.14 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: BN002945.D  
Acq: 04 Oct 2018 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.5  | 22.0  | 33.0  |
| 279     | 4.7   | 3.3   | 4.9   |





#84

Chrysene

Concen: 3.158 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.00 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

Instrument :

BNA\_N

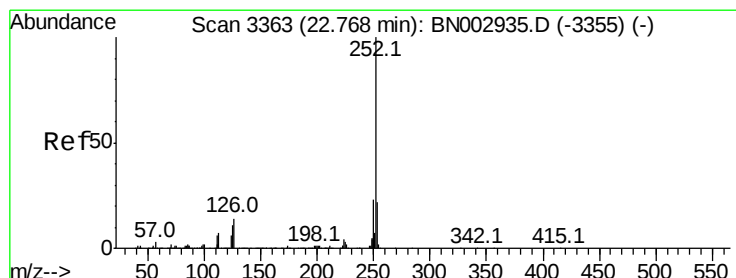
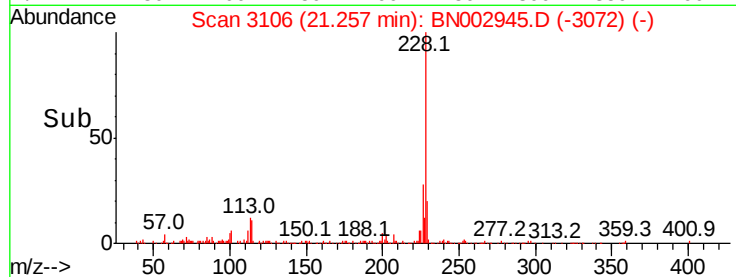
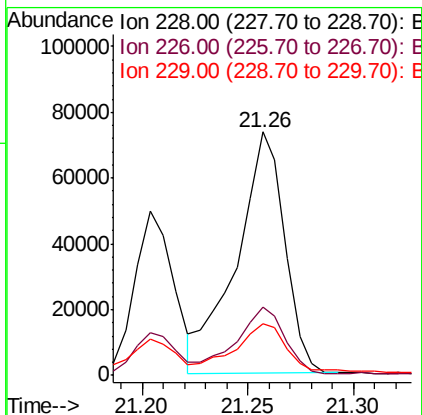
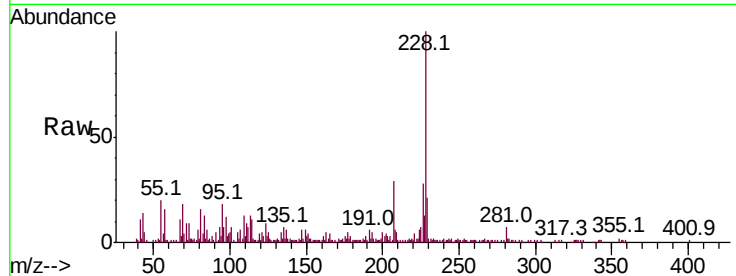
ClientSampled :

JLC49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 116116 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.1  | 23.4  | 35.0   |
| 229       | 21.0  | 15.7  | 23.5   |

Manual Integrations  
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#87

Benzo(b)fluoranthene

Concen: 4.154 ng/ul

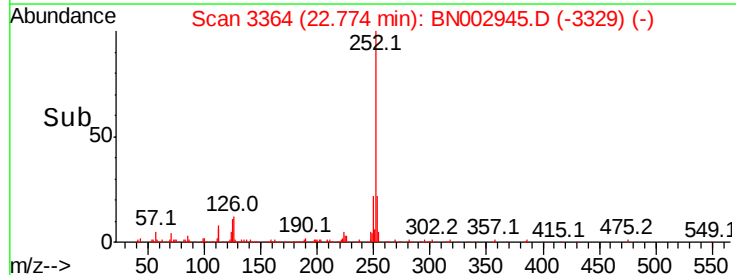
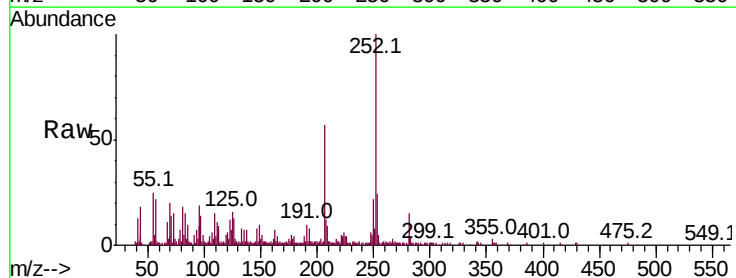
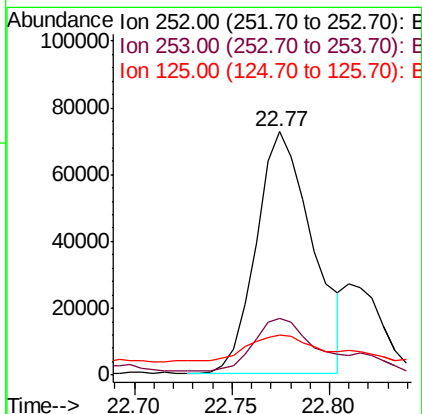
RT: 22.77 min Scan# 3364

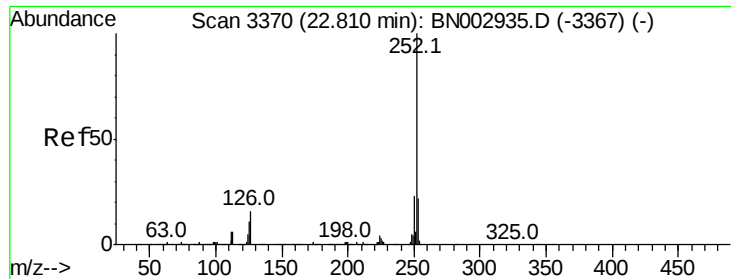
Delta R.T. 0.01 min

Lab File: BN002945.D

Acq: 04 Oct 2018 22:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 145000 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.5  | 17.0  | 25.4   |
| 125       | 16.3  | 8.0   | 12.0#  |





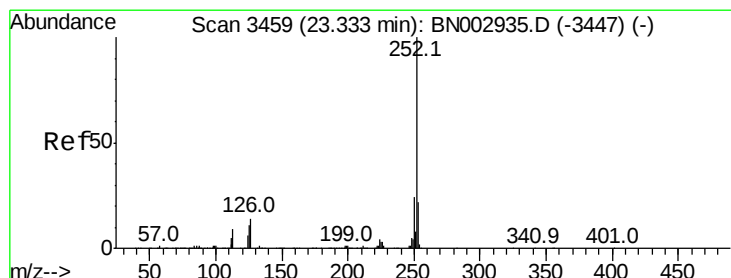
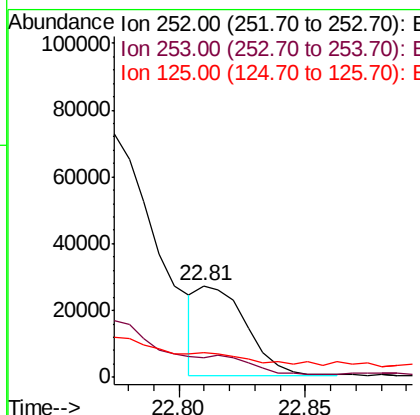
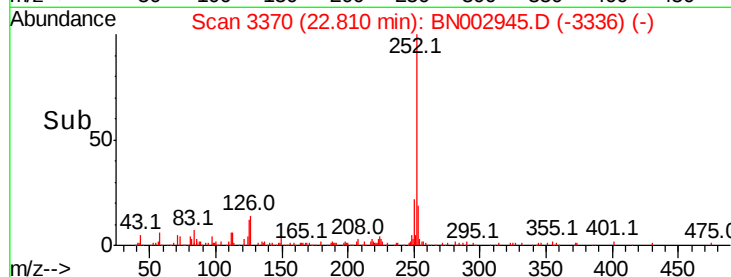
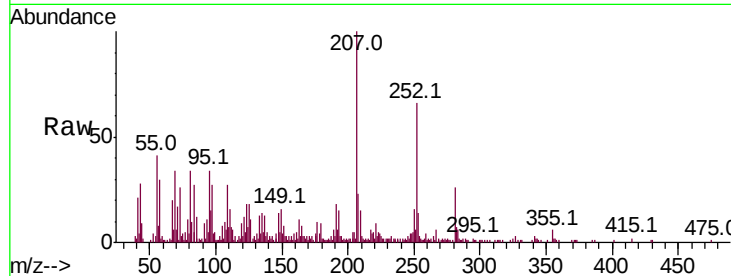
#88  
Benzo(k)fluoranthene  
Concen: 1.096 ng/ul  
RT: 22.81 min Scan# 3370  
Delta R.T. 0.00 min  
Lab File: BN002945.D  
Acq: 04 Oct 2018 22:32

Instrument :  
BNA\_N  
ClientSampled :  
JLC49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.7  | 17.8  | 26.8  |
| 125     | 26.6  | 8.3   | 12.5  |

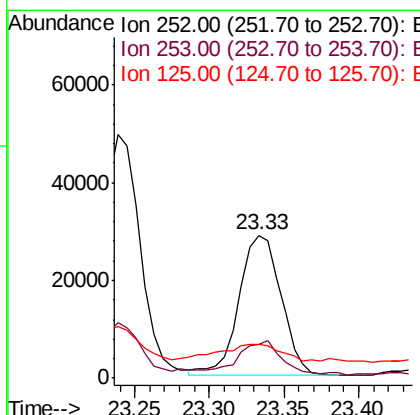
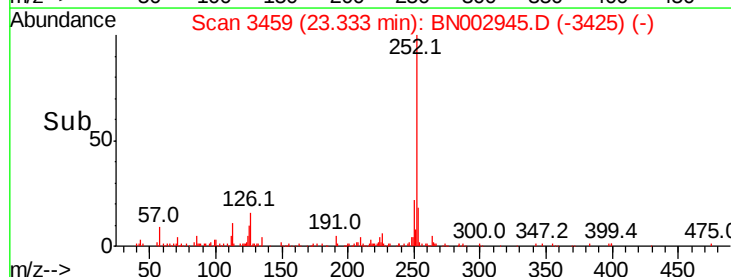
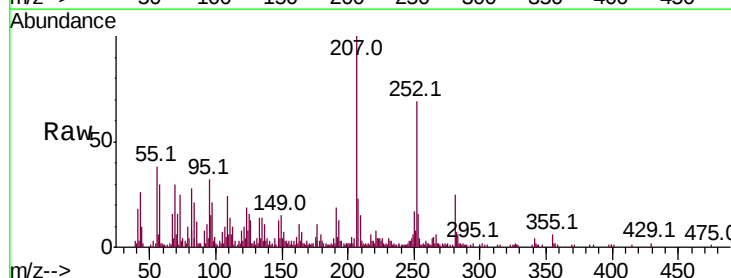
Manual Integrations  
APPROVED

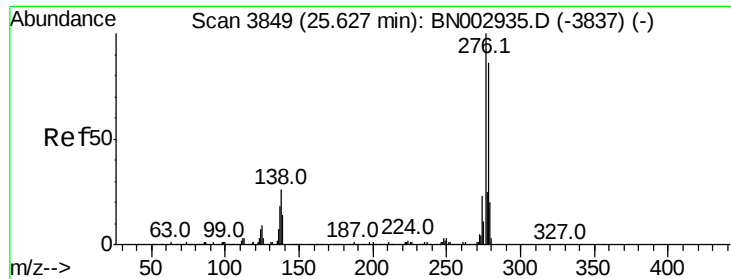
Sohil  
10/5/2018 5:30:03 PM



#90  
Benzo(a)pyrene  
Concen: 1.716 ng/ul  
RT: 23.33 min Scan# 3459  
Delta R.T. 0.00 min  
Lab File: BN002945.D  
Acq: 04 Oct 2018 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.6  | 26.4  |
| 125     | 23.8  | 8.8   | 13.2  |





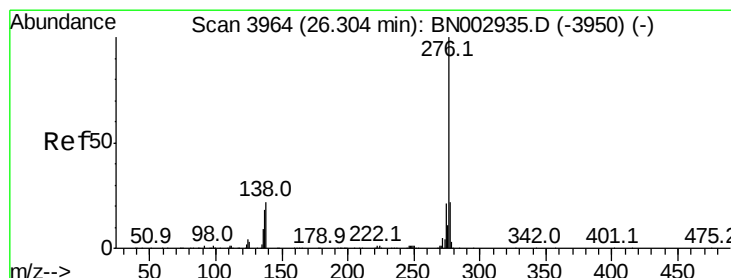
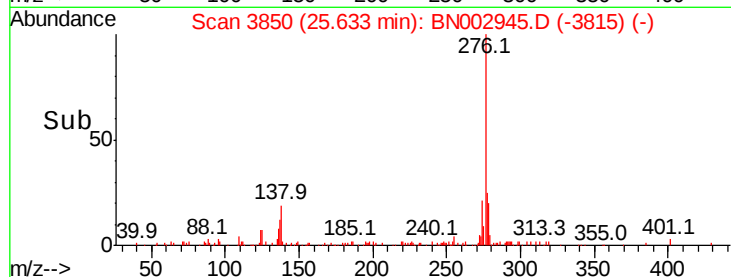
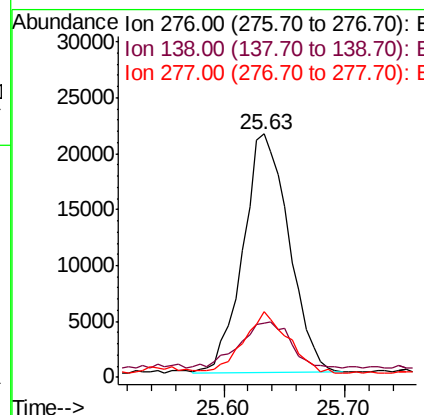
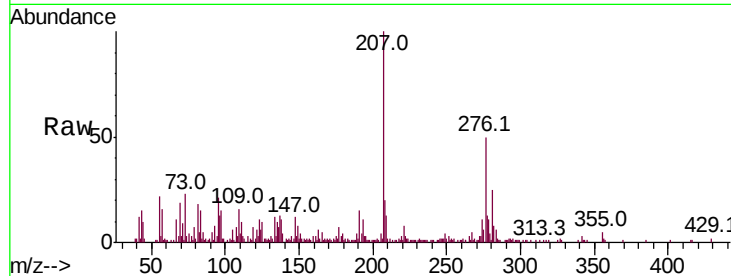
#91  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.446 ng/ul  
 RT: 25.63 min Scan# 3850  
 Delta R.T. 0.01 min  
 Lab File: BN002945.D  
 Acq: 04 Oct 2018 22:32

Instrument :  
 BNA\_N  
 ClientSampled :  
 JLC49

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.3  | 20.2  | 30.4  |
| 277     | 26.9  | 20.0  | 30.0  |

Manual Integrations  
 APPROVED

Sohil  
 10/5/2018 5:30:03 PM



#93  
 Benzo(g,h,i)perylene  
 Concen: 2.009 ng/ul  
 RT: 26.31 min Scan# 3965  
 Delta R.T. 0.01 min  
 Lab File: BN002945.D  
 Acq: 04 Oct 2018 22:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.4  | 18.2  | 27.2  |
| 277     | 22.9  | 18.6  | 28.0  |

