

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\  
 Data File : BN002017.D  
 Acq On : 11 Jul 2018 18:57  
 Operator : JU/SJ  
 Sample : J3775-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAZP9

Manual Integrations  
 APPROVED

Sohil  
 7/12/2018 3:03:58 PM

Quant Time: Jul 12 00:00:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 11 22:41:21 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 586668   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 2624292  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 1470342  | 20.00 | ng/ul | 0.01     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 3038546  | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.30 | 240  | 2017628  | 20.00 | ng/ul | 0.02     |
| 83) Perylene-d12          | 23.55 | 264  | 1966924  | 20.00 | ng/ul | 0.04     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 53046m  | 3.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 1307670 | 24.63 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 832828  | 25.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 1085510 | 25.79 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 1076166 | 25.30 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 555824  | 28.52 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 630570  | 31.26 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 1116989 | 25.94 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 825031  | 18.51 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 3307358 | 26.64 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 4213202 | 27.49 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.56 | 143 | 394916  | 17.27 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.34 | 176 | 2893060 | 26.58 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 282970  | 17.10 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.19 | 188 | 4150989 | 28.27 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.50 | 212 | 3833995 | 37.70 | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12         | 23.41 | 264 | 3035084 | 28.37 | ng/ul | 0.04 |

## Target Compounds

|                                |       |     |          | Ovalue        |    |
|--------------------------------|-------|-----|----------|---------------|----|
| 6) Phenol                      | 6.92  | 94  | 77475    | 1.447 ng/ul#  | 92 |
| 44) Dimethylphthalate          | 13.80 | 163 | 880075   | 7.212 ng/ul   | 98 |
| 47) Acenaphthylene             | 14.06 | 152 | 464162   | 3.137 ng/ul   | 98 |
| 49) Acenaphthene               | 14.40 | 153 | 104396   | 1.017 ng/ul   | 99 |
| 53) Dibenzofuran               | 14.75 | 168 | 205546   | 1.396 ng/ul   | 95 |
| 58) Fluorene                   | 15.39 | 166 | 133899   | 1.140 ng/ul   | 97 |
| 69) Phenanthrene               | 17.13 | 178 | 5683409  | 33.204 ng/ul  | 99 |
| 71) Anthracene                 | 17.23 | 178 | 1108380  | 6.397 ng/ul   | 98 |
| 72) Carbazole                  | 17.50 | 167 | 723667   | 4.986 ng/ul   | 97 |
| 73) Di-n-butylphthalate        | 18.07 | 149 | 1305807  | 7.125 ng/ul   | 99 |
| 74) Fluoranthene               | 19.16 | 202 | 10275395 | 57.110 ng/ul# | 88 |
| 77) Pyrene                     | 19.53 | 202 | 8580308  | 67.956 ng/ul# | 85 |
| 80) Benzo(a)anthracene         | 21.29 | 228 | 4571311  | 35.849 ng/ul  | 96 |
| 81) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 744542   | 9.267 ng/ul   | 98 |
| 82) Chrysene                   | 21.34 | 228 | 4748887  | 40.026 ng/ul  | 97 |
| 85) Benzo(b)fluoranthene       | 22.89 | 252 | 6300448  | 50.716 ng/ul# | 93 |
| 86) Benzo(k)fluoranthene       | 22.92 | 252 | 2092697m | 17.372 ng/ul  |    |
| 88) Benzo(a)pyrene             | 23.46 | 252 | 4029049  | 34.706 ng/ul# | 93 |
| 89) Indeno(1,2,3-cd)pyrene     | 25.80 | 276 | 3164384  | 25.617 ng/ul# | 84 |
| 90) Dibenz(a,h)anthracene      | 25.80 | 278 | 883320   | 8.592 ng/ul#  | 84 |
| 91) Benzo(a,h,i)perylene       | 26.49 | 276 | 2770652  | 27.190 ng/ul# | 92 |

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Sample : J3775-10  
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Instrument :  
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Manual Integrations  
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Quant Time: Jul 12 00:00:00 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
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QLast Update : Wed Jul 11 22:41:21 2018  
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|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

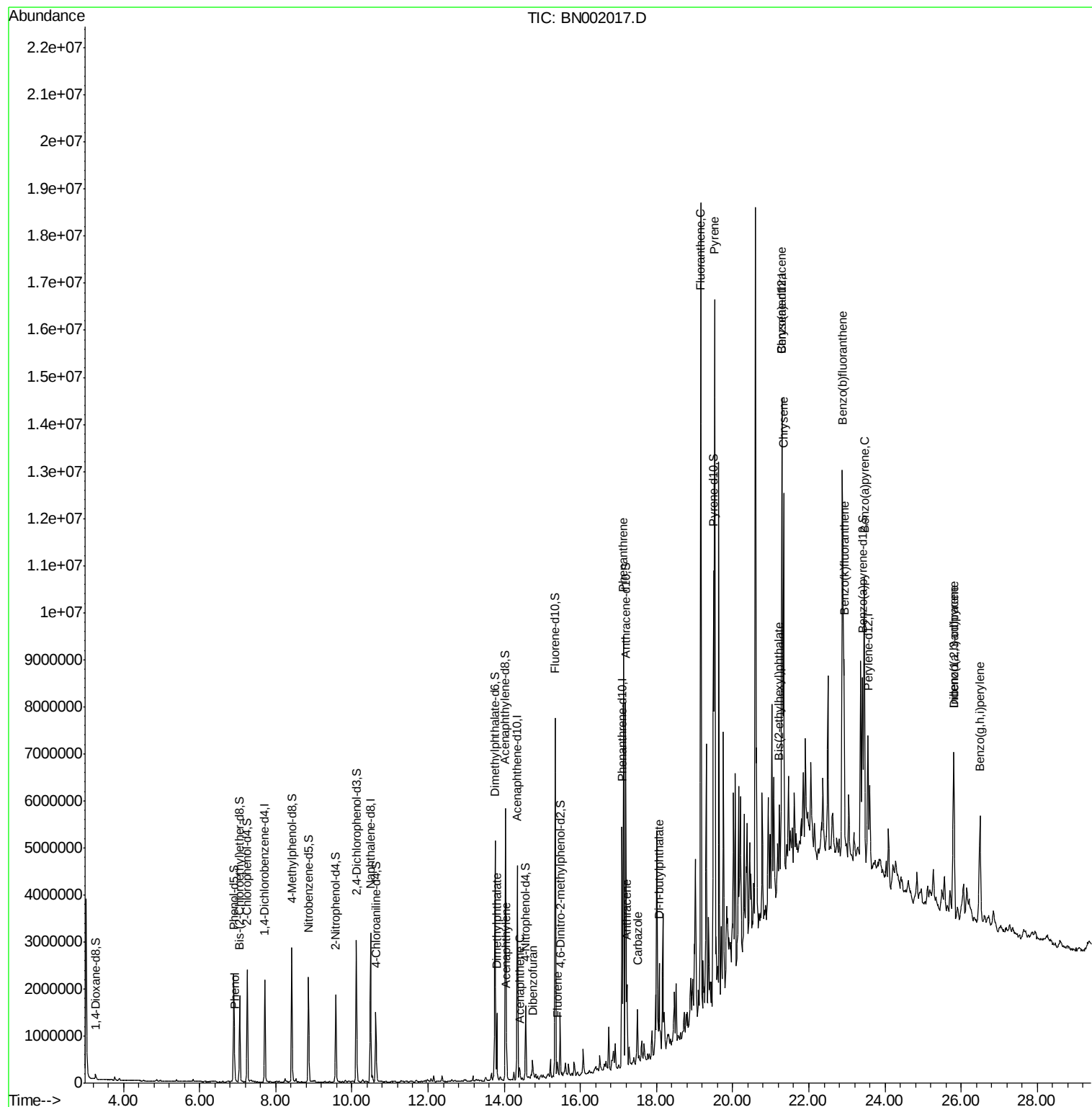
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN071118\  
Data File : BN002017.D  
Acq On : 11 Jul 2018 18:57  
Operator : JU/SJ  
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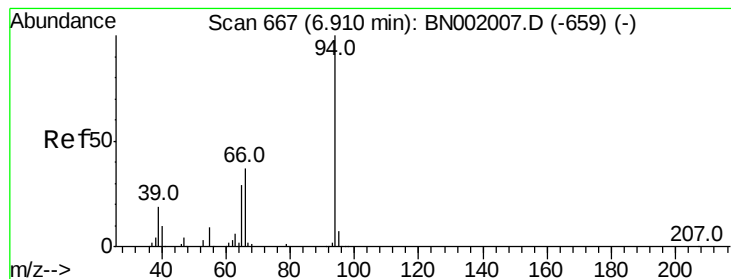
Instrument :  
BNA\_N  
ClientSampleId :  
DAZP9

Quant Time: Jul 12 00:00:00 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
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Manual Integrations  
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#6

Phenol

Concen: 1.447 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

ClientSampleId :

DAZP9

Tot Ion: 94 Resp: 77475

Ion Ratio Lower Upper

94 100

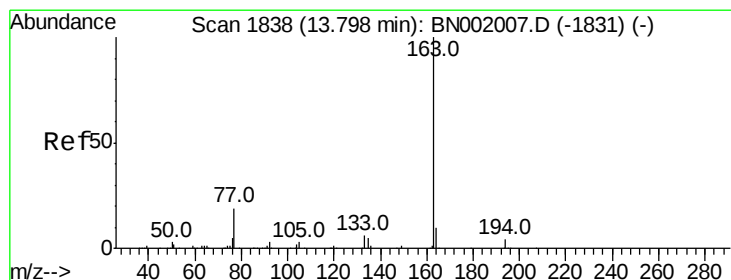
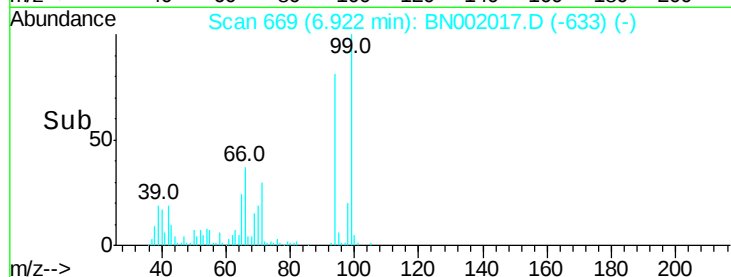
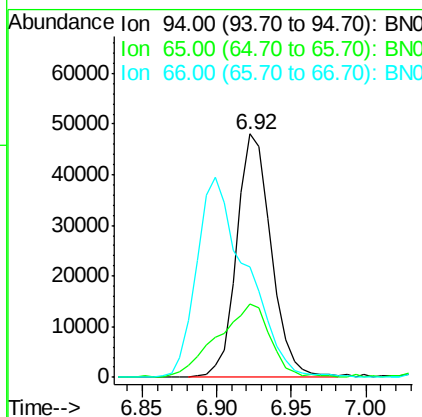
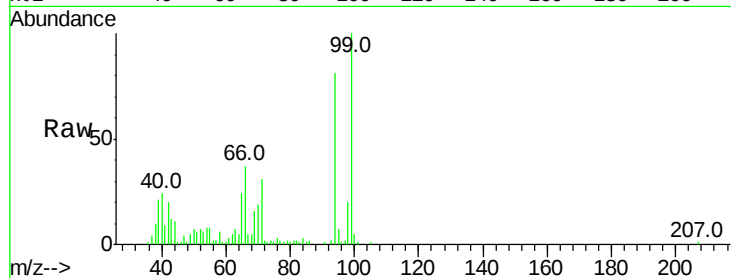
65 30.2 23.0 34.6

66 45.6 30.4 45.6#

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#44

Dimethylphthalate

Concen: 7.212 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

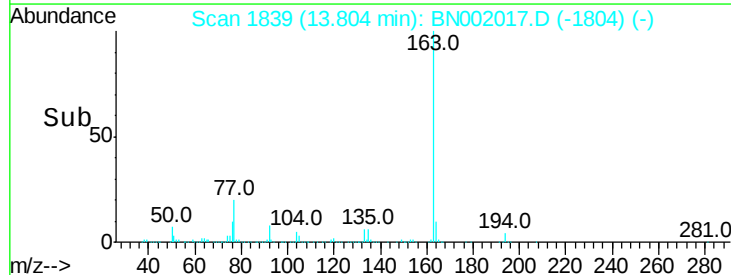
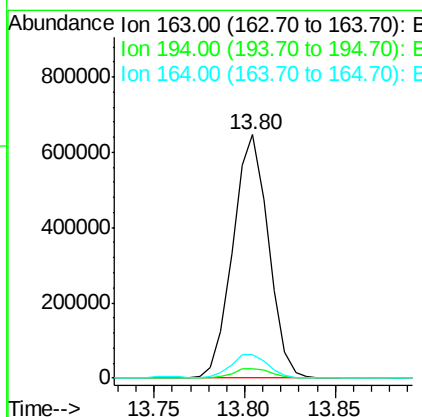
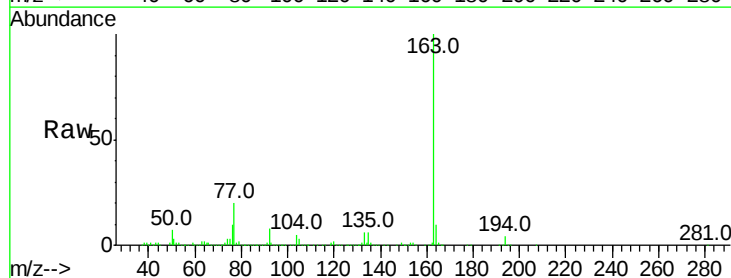
Tgt Ion: 163 Resp: 880075

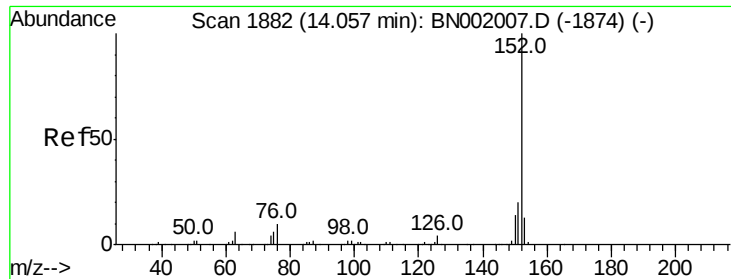
Ion Ratio Lower Upper

163 100

194 4.1 4.0 6.0

164 9.9 8.4 12.6





#47

Acenaphthylene

Concen: 3.137 ng/ul

RT: 14.06 min Scan# 1883

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

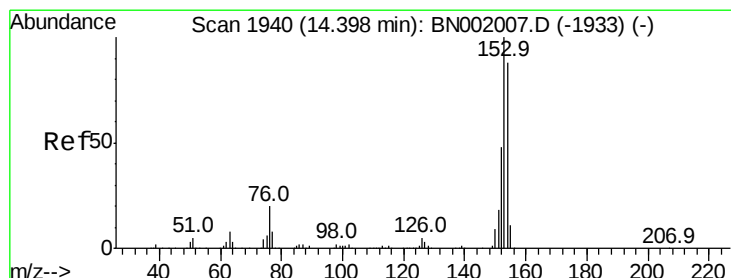
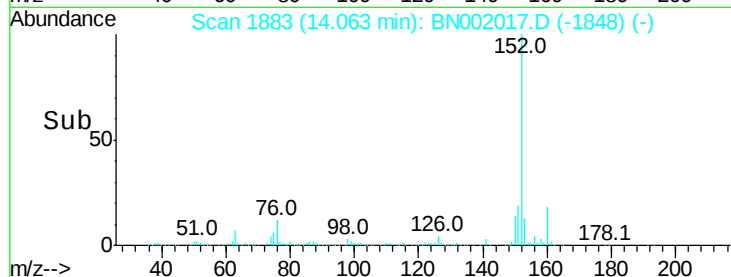
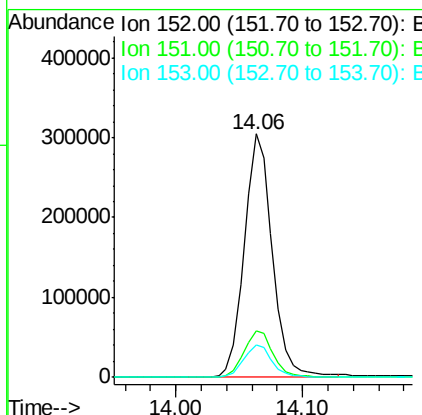
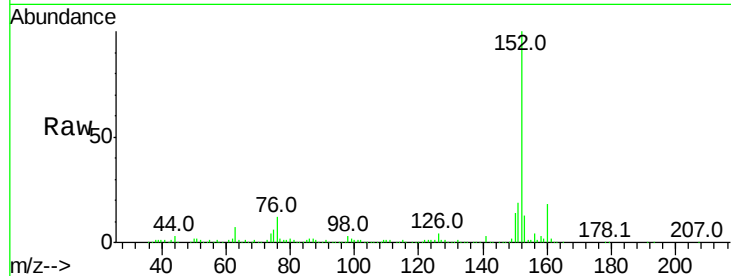
ClientSampleId :

DAZP9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 464162 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.0  | 16.1  | 24.1   |
| 153       | 13.2  | 10.8  | 16.2   |

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#49

Acenaphthene

Concen: 1.017 ng/ul

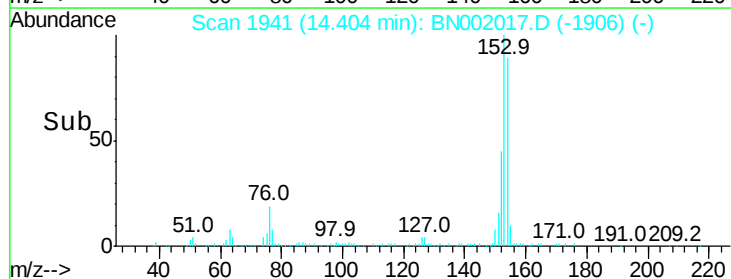
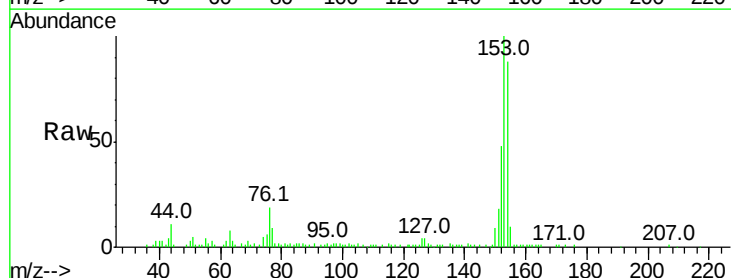
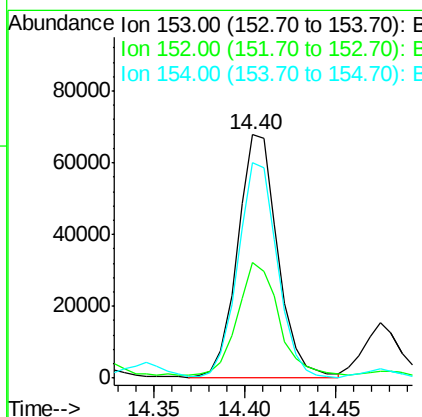
RT: 14.40 min Scan# 1941

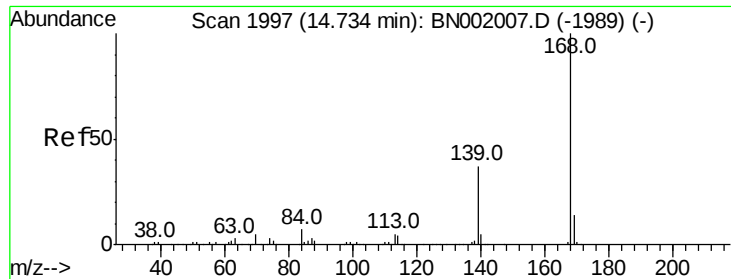
Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 153   | Resp: | 104396 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 47.7  | 37.9  | 56.9   |
| 154       | 88.4  | 69.8  | 104.6  |





#53

Dibenzenofuran

Concen: 1.396 ng/ul

RT: 14.75 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

ClientSampled :

DAZP9

Tot Ion:168 Resp: 205546

Ion Ratio Lower Upper

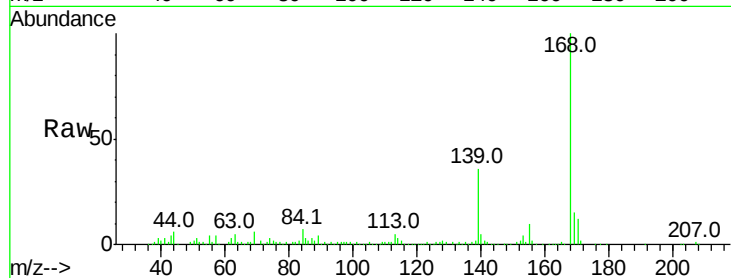
168 100

139 35.9 31.0 46.4

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.75

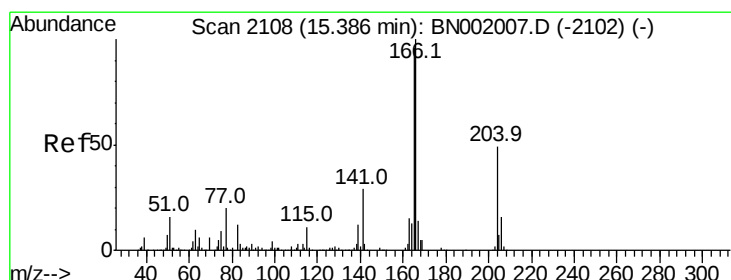
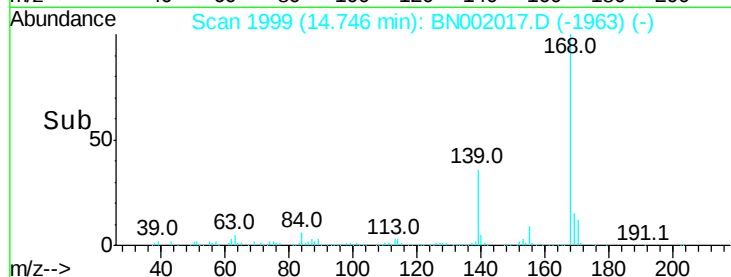
150000

100000

50000

0

Time--> 14.65 14.70 14.75 14.80



#58

Fluorene

Concen: 1.140 ng/ul

RT: 15.39 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

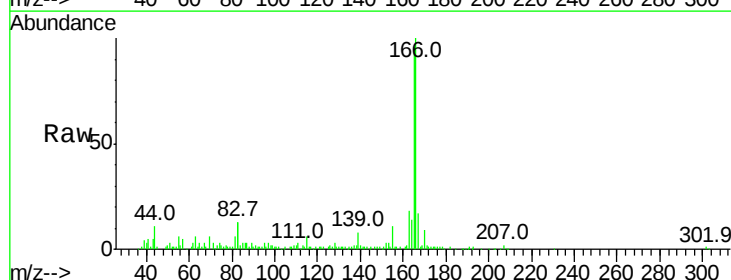
Tgt Ion:166 Resp: 133899

Ion Ratio Lower Upper

166 100

165 95.5 78.4 117.6

167 16.6 11.1 16.7



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

15.39

120000

100000

80000

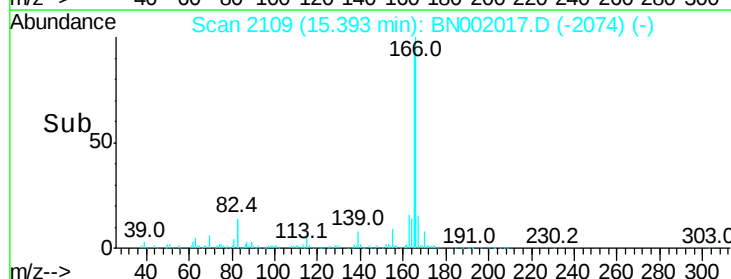
60000

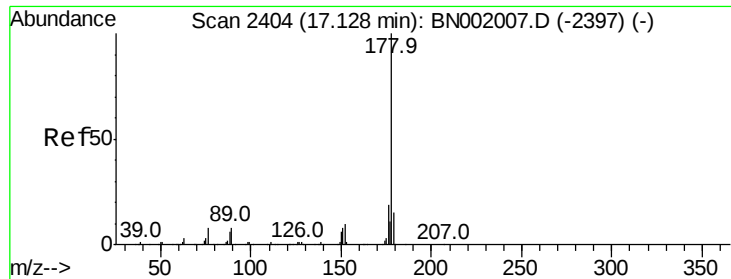
40000

20000

0

Time--> 15.35 15.40 15.45





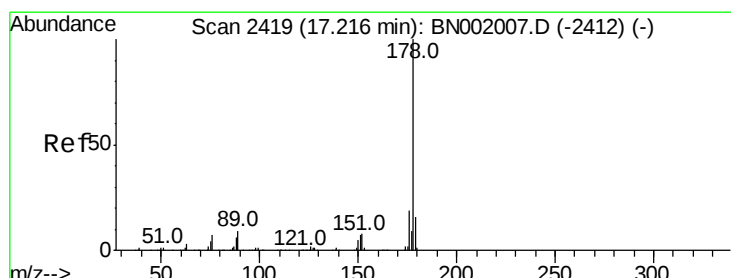
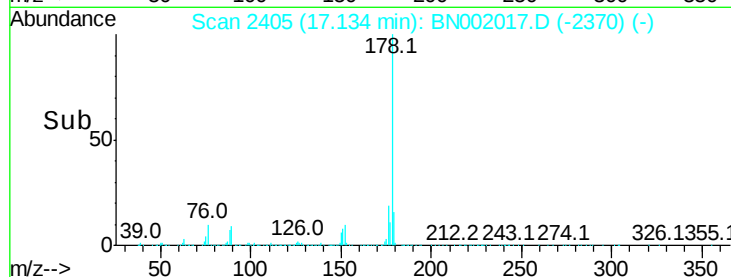
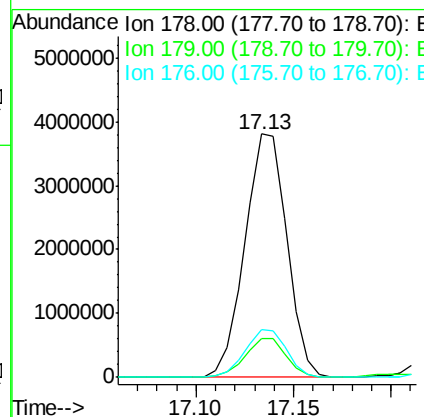
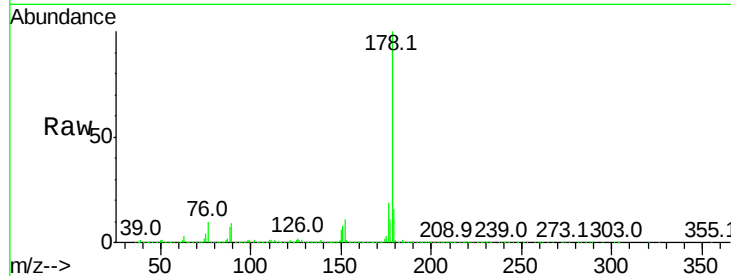
#69  
Phenanthrene  
Concen: 33.204 ng/ul  
RT: 17.13 min Scan# 2405  
Delta R.T. 0.01 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Instrument :  
BNA\_N  
ClientSampled :  
DAZP9

Tot Ion:178 Resp: 5683409  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.3 18.5  
176 19.4 15.4 23.0

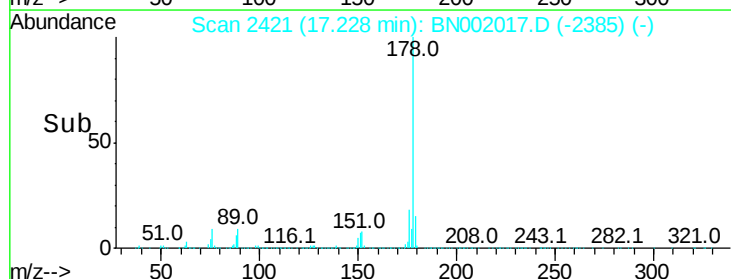
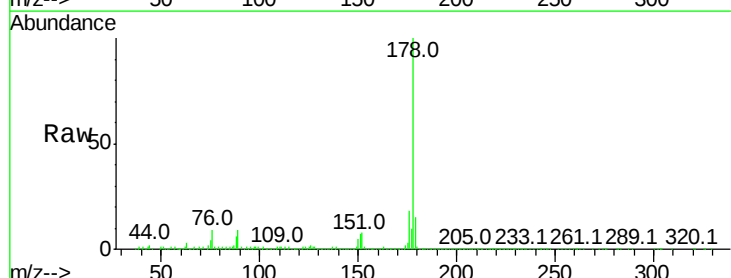
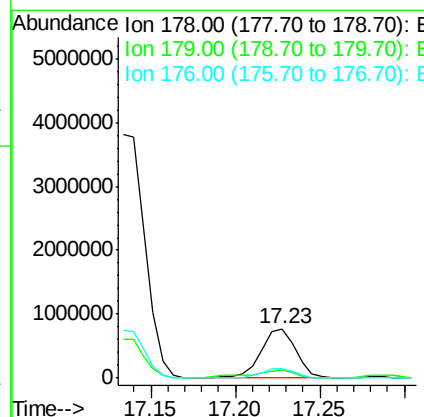
Manual Integrations  
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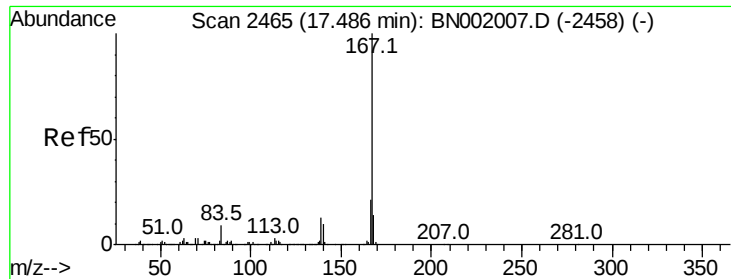
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#71  
Anthracene  
Concen: 6.397 ng/ul  
RT: 17.23 min Scan# 2421  
Delta R.T. 0.01 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Tgt Ion:178 Resp: 1108380  
Ion Ratio Lower Upper  
178 100  
179 15.4 13.4 20.2  
176 18.5 15.4 23.0





#72

Carbazole

Concen: 4.986 ng/ul

RT: 17.50 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

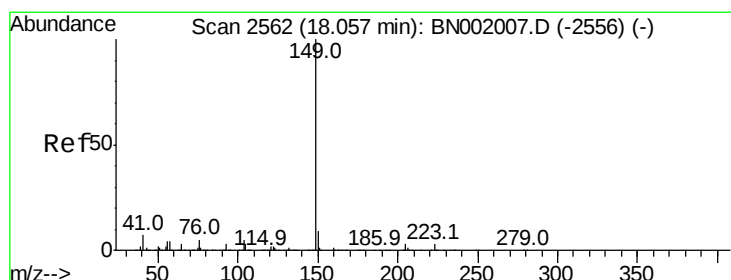
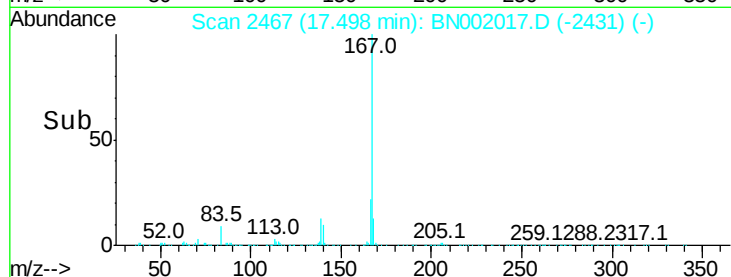
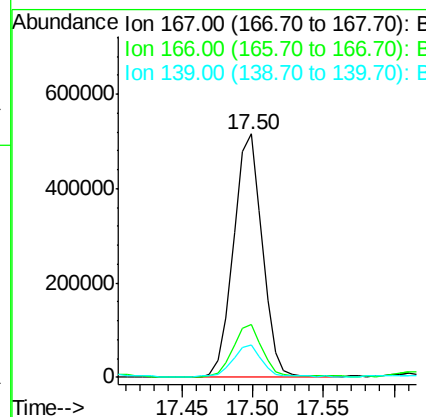
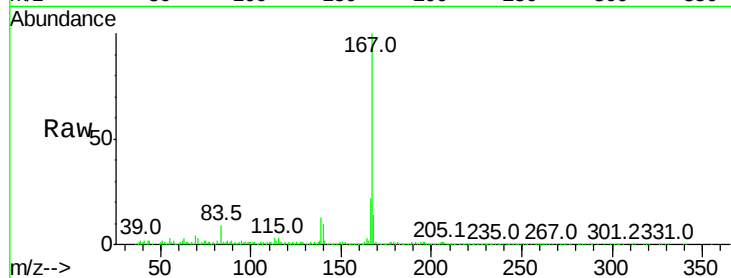
ClientSampleId :

DAZP9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 723667 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 21.9  | 17.0  | 25.4   |
| 139       | 13.1  | 9.1   | 13.7   |

Manual Integrations  
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#73

Di-n-butylphthalate

Concen: 7.125 ng/ul

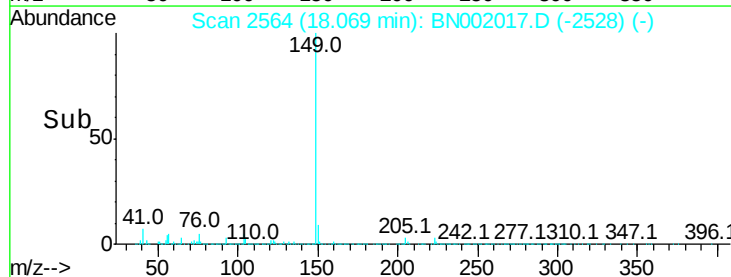
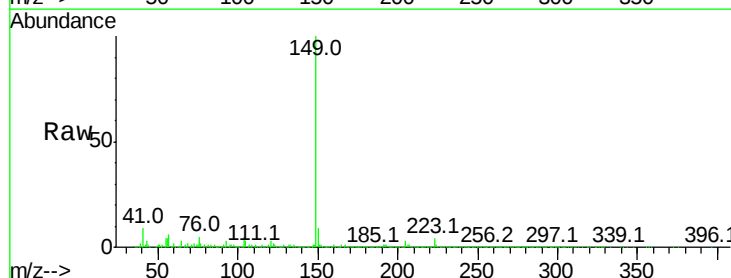
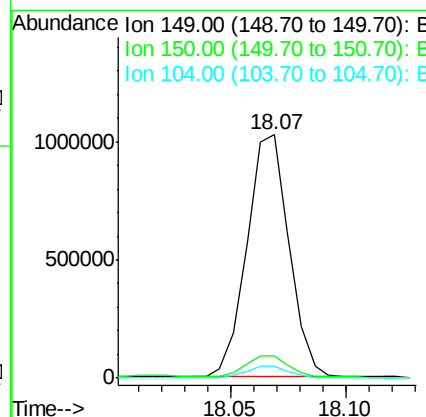
RT: 18.07 min Scan# 2564

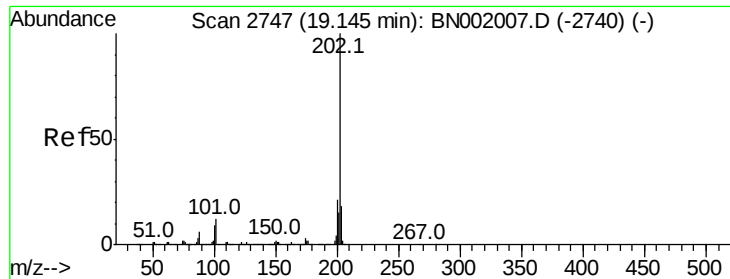
Delta R.T. 0.01 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1305807 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 9.2   | 7.5   | 11.3    |
| 104       | 4.8   | 4.1   | 6.1     |





#74

Fluoranthene

Concen: 57.110 ng/ul

RT: 19.16 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

ClientSampleId :

DAZP9

Tot Ion:202 Resp:10275395

Ion Ratio Lower Upper

202 100

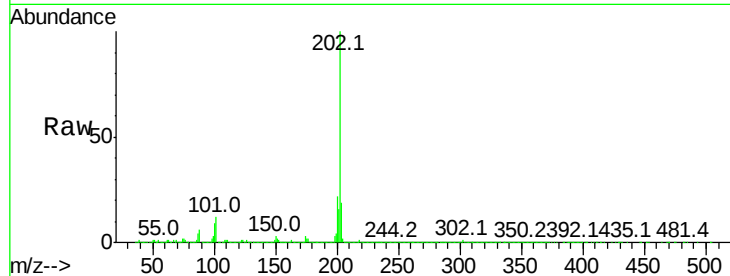
101 12.3 6.1 9.1#

100 9.5 4.6 7.0#

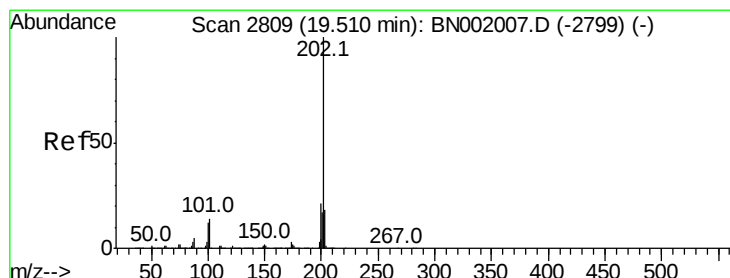
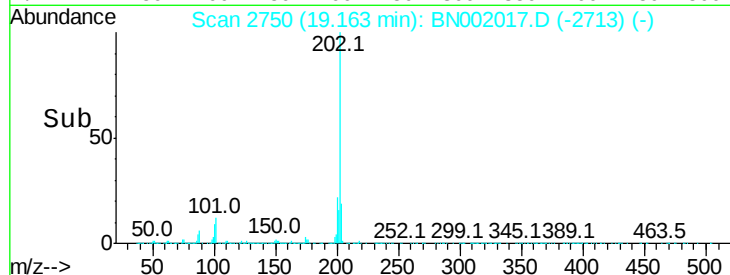
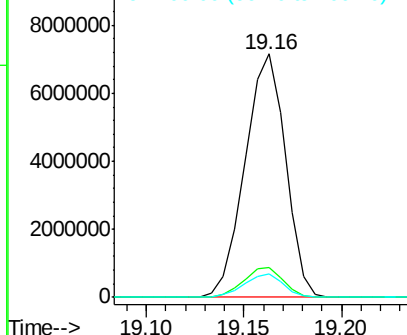
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 67.956 ng/ul

RT: 19.53 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

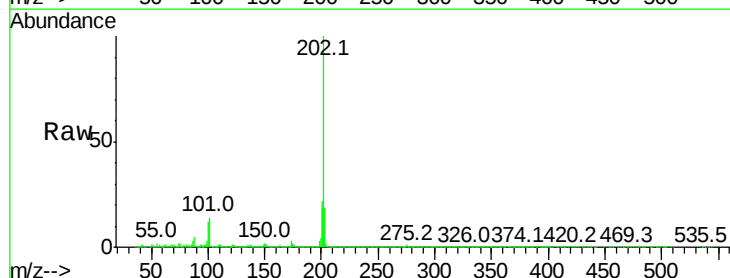
Tgt Ion:202 Resp: 8580308

Ion Ratio Lower Upper

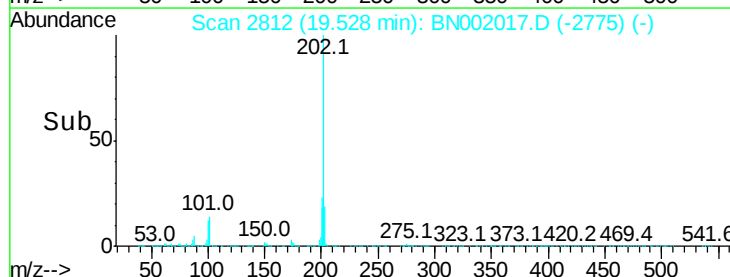
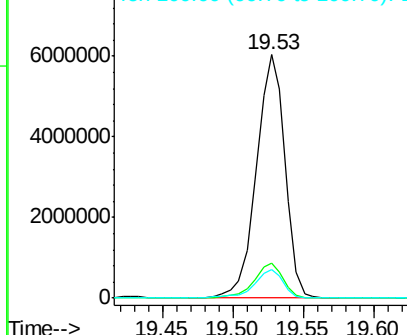
202 100

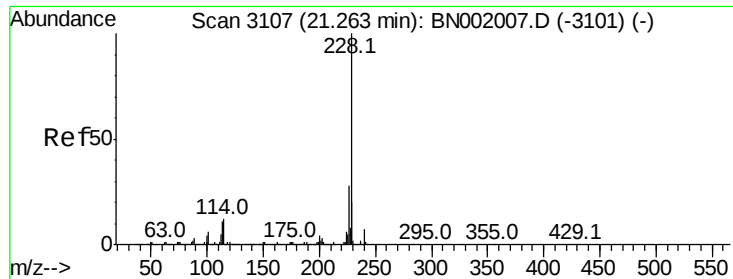
101 14.2 6.9 10.3#

100 11.6 5.6 8.4#



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





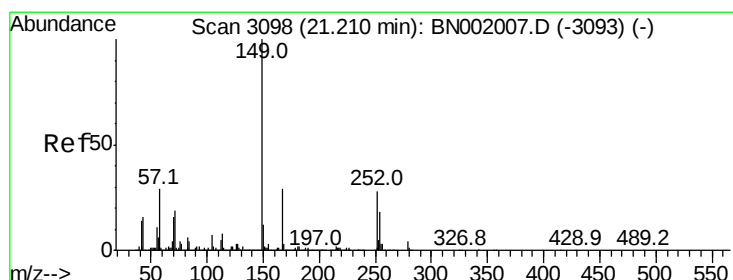
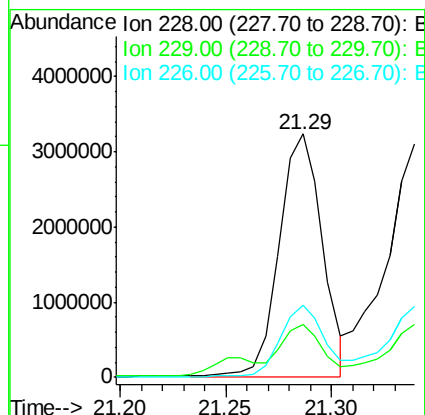
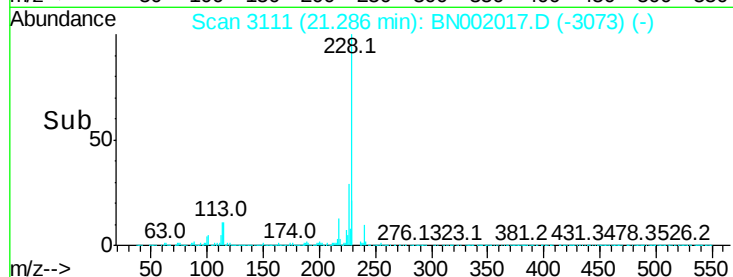
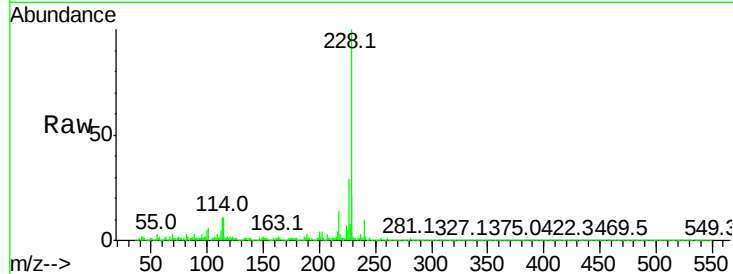
#80  
Benzo(a)anthracene  
Concen: 35.849 ng/ul  
RT: 21.29 min Scan# 3111  
Delta R.T. 0.02 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Instrument :  
BNA\_N  
ClientSampled :  
DAZP9

Tot Ion:228 Resp: 4571311  
Ion Ratio Lower Upper  
228 100  
229 21.5 16.0 24.0  
226 29.4 21.8 32.8

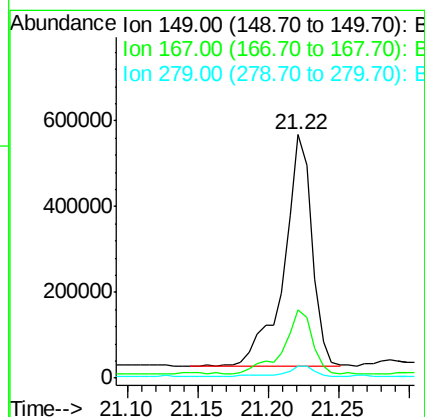
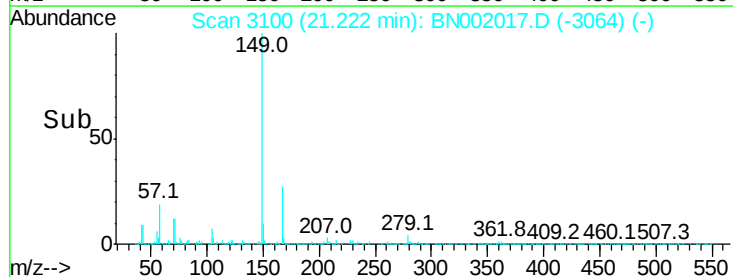
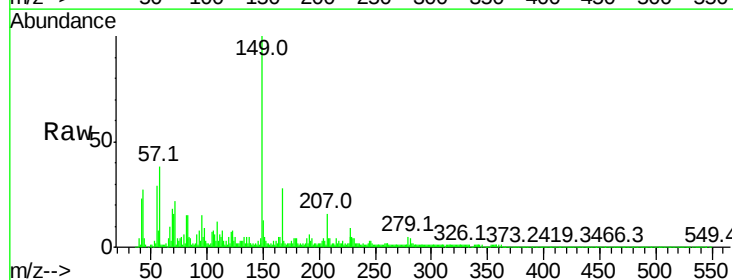
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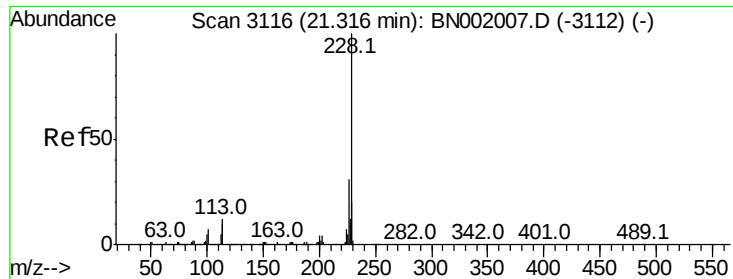
Sohil  
7/12/2018 3:03:58 PM



#81  
Bis(2-ethylhexyl)phthalate  
Concen: 9.267 ng/ul  
RT: 21.22 min Scan# 3100  
Delta R.T. 0.01 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Tgt Ion:149 Resp: 744542  
Ion Ratio Lower Upper  
149 100  
167 28.0 23.0 34.6  
279 4.7 4.3 6.5





#82

Chrysene

Concen: 40.026 ng/ul

RT: 21.34 min Scan# 3120

Delta R.T. 0.02 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

ClientSampleId :

DAZP9

Tot Ion:228 Resp: 4748887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.5  | 24.1  | 36.1  |
| 229 | 22.8  | 16.0  | 24.0  |

228 100

226 30.5 24.1 36.1

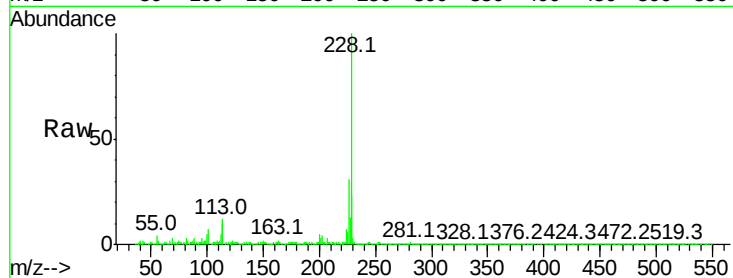
229 22.8 16.0 24.0

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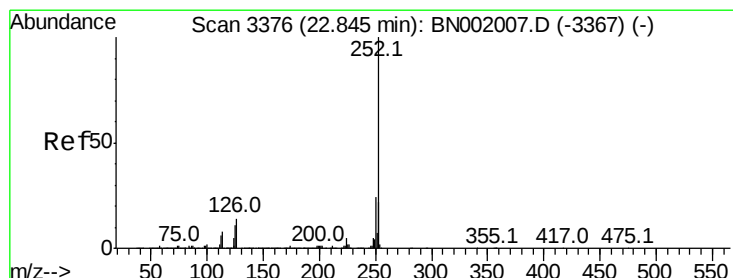
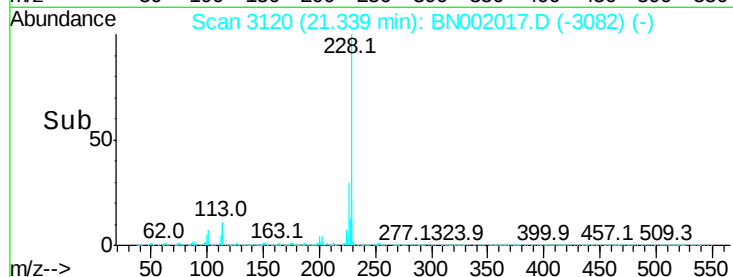
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.34

Time-->



#85

Benzo(b)fluoranthene

Concen: 50.716 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. 0.04 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

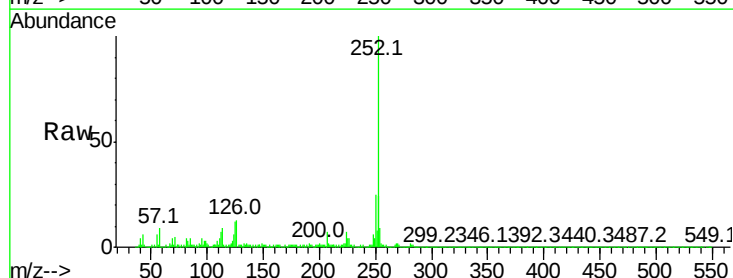
Tgt Ion:252 Resp: 6300448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.7  | 17.4  | 26.0  |
| 125 | 12.1  | 4.9   | 7.3#  |

252 100

253 23.7 17.4 26.0

125 12.1 4.9 7.3#



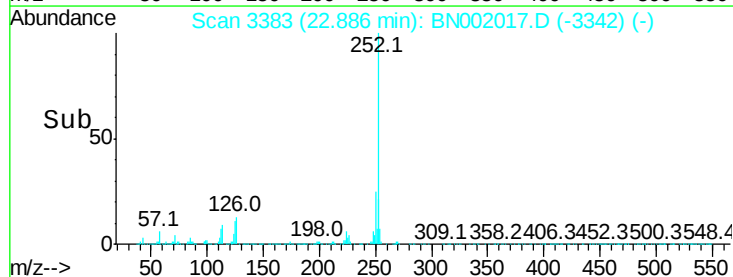
Abundance Ion 252.00 (251.70 to 252.70): E

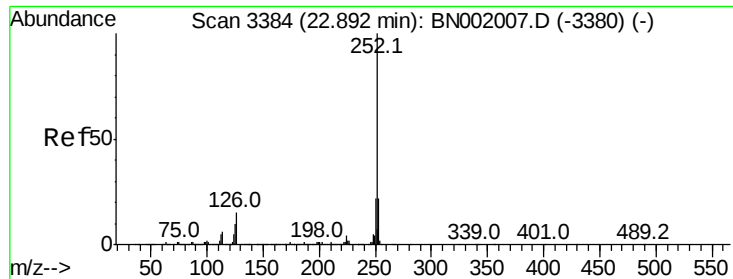
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.89

Time-->





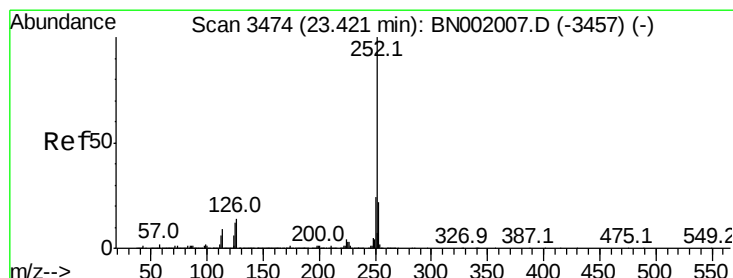
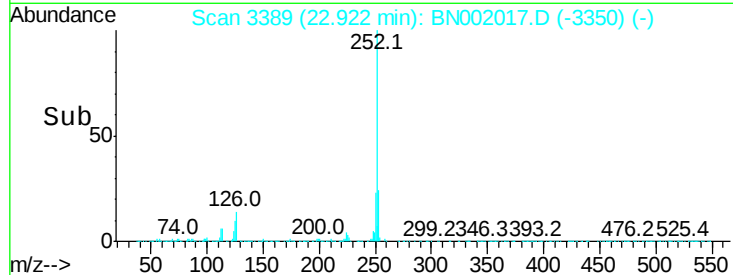
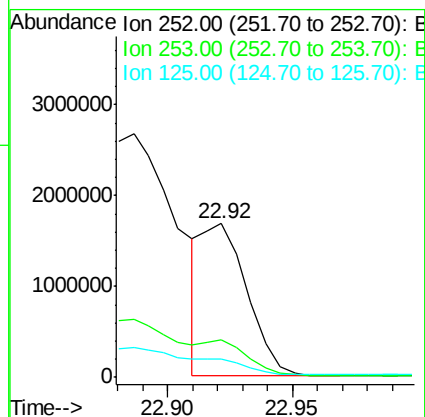
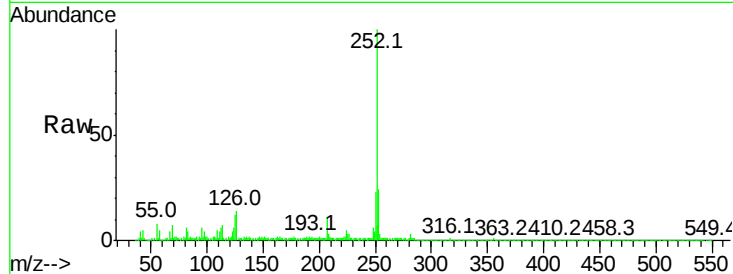
#86  
Benzo(k)fluoranthene  
Concen: 17.372 ng/ul m  
RT: 22.92 min Scan# 3389  
Delta R.T. 0.03 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Instrument :  
BNA\_N  
ClientSampleId :  
DAZP9

Tot Ion:252 Resp: 2092697  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.1 25.7  
125 11.7 5.4 8.0#

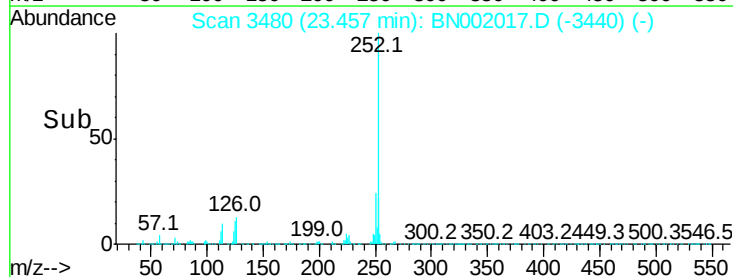
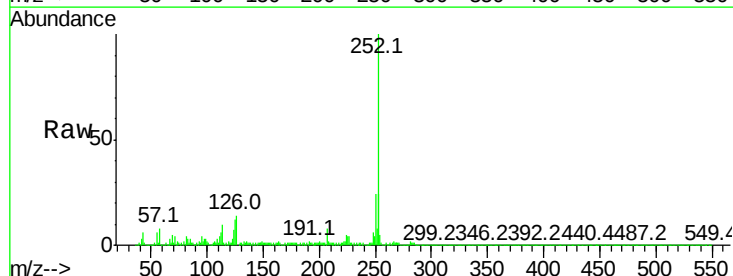
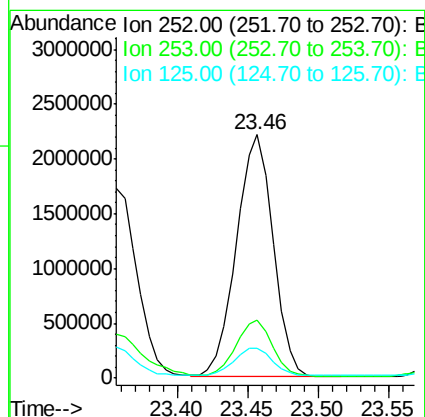
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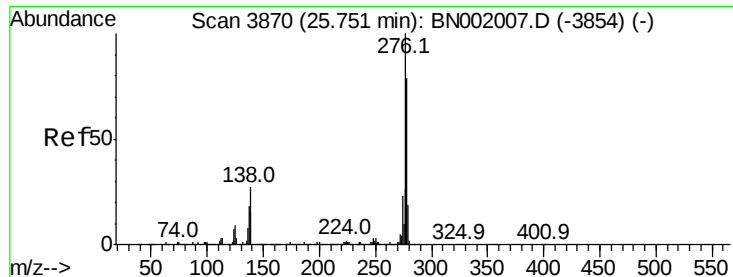
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#88  
Benzo(a)pyrene  
Concen: 34.706 ng/ul  
RT: 23.46 min Scan# 3480  
Delta R.T. 0.04 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Tgt Ion:252 Resp: 4029049  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.2 25.8  
125 12.1 5.8 8.6#





#89

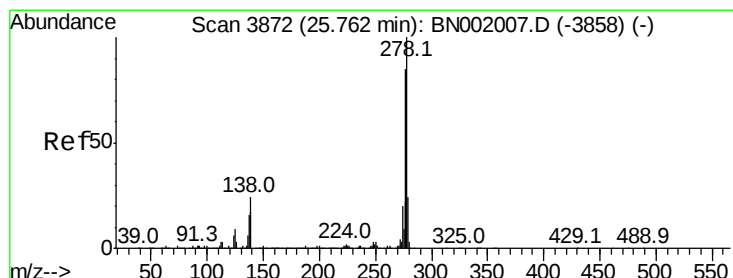
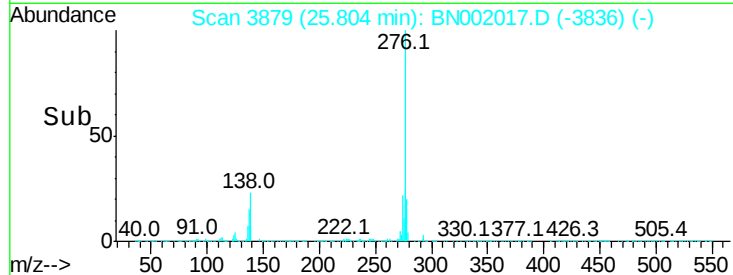
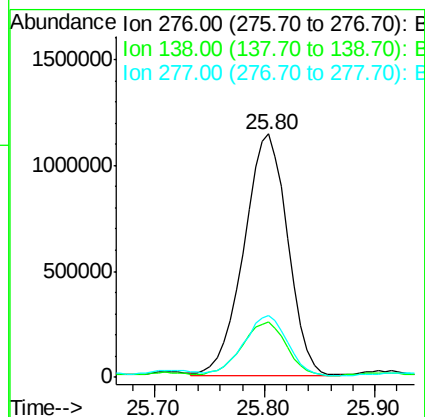
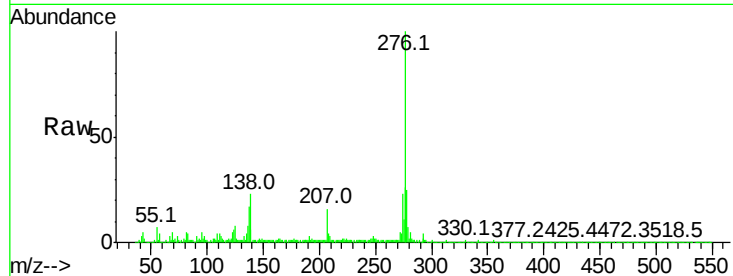
Indeno(1,2,3-cd)pyrene  
Concen: 25.617 ng/ul  
RT: 25.80 min Scan# 3879  
Delta R.T. 0.05 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

Instrument :  
BNA\_N  
ClientSampleId :  
DAZP9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 28.6  | 10.9  | 16.3# |
| 277     | 25.6  | 18.9  | 28.3  |

Manual Integrations  
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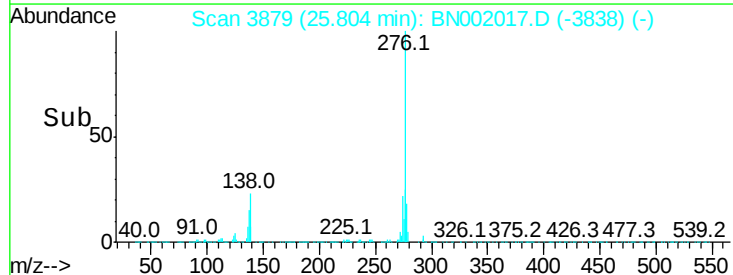
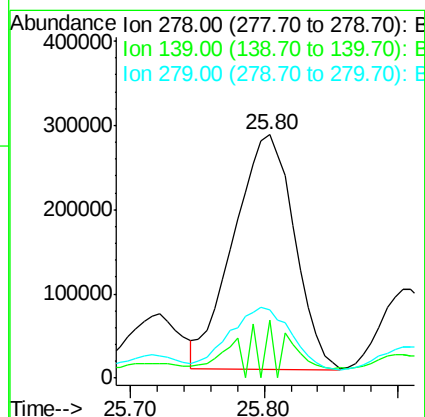
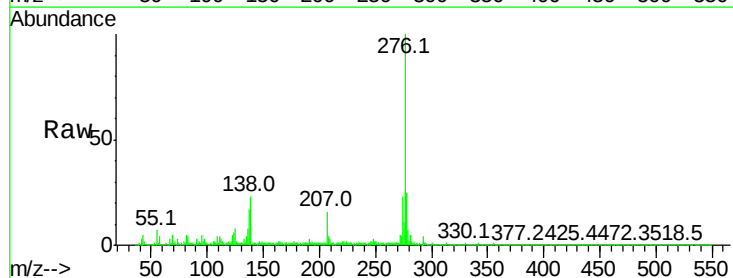
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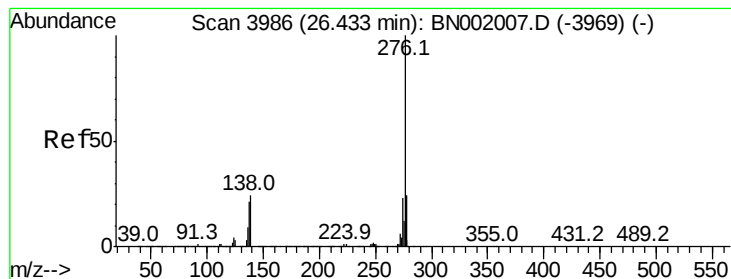


#90

Dibenzo(a,h)anthracene  
Concen: 8.592 ng/ul  
RT: 25.80 min Scan# 3879  
Delta R.T. 0.04 min  
Lab File: BN002017.D  
Acq: 11 Jul 2018 18:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 23.8  | 9.0   | 13.4# |
| 279     | 28.0  | 19.1  | 28.7  |





#91

Benzo(a,h,i)perylene

Concen: 27.190 ng/ul

RT: 26.49 min Scan# 3996

Delta R.T. 0.06 min

Lab File: BN002017.D

Acq: 11 Jul 2018 18:57

Instrument :

BNA\_N

ClientSampleId :

DAZP9

Tot Ion:276 Resp: 2770652

Ion Ratio Lower Upper

276 100

138 22.5 11.2 16.8#

277 23.8 19.0 28.6

Manual Integrations

APPROVED

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