

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\  
 Data File : BN006021.D  
 Acq On : 02 Jun 2019 08:24  
 Operator : JU/SJ  
 Sample : K2928-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A42C1

Manual Integrations  
 APPROVED

Sohil  
 6/4/2019 8:38:39 AM

Quant Time: Jun 03 02:58:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jun 01 01:49:29 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 456746   | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.52 | 136  | 1953893  | 20.00 | ng/ul | -0.02    |
| 35) Acenaphthene-d10      | 14.38 | 164  | 1057497  | 20.00 | ng/ul | -0.02    |
| 61) Phenanthrene-d10      | 17.14 | 188  | 2023304  | 20.00 | ng/ul | -0.02    |
| 77) Chrysene-d12          | 21.35 | 240  | 1289976  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 23.64 | 264  | 1413078  | 20.00 | ng/ul | -0.03    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 61262   | 5.90  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.90  | 99  | 1213376 | 29.97 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 753318  | 32.62 | ng/ul | -0.01 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 1010509 | 32.77 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 911320  | 27.89 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 8.88  | 128 | 512261  | 40.85 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 574148  | 49.16 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.14 | 165 | 962273  | 34.89 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.65 | 131 | 813822  | 22.51 | ng/ul | -0.02 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 2853259 | 36.60 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8          | 14.08 | 160 | 3497522 | 35.86 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.59 | 143 | 369886  | 26.07 | ng/ul | -0.02 |
| 57) Fluorene-d10               | 15.38 | 176 | 2317841 | 35.45 | ng/ul | -0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 15.51 | 200 | 137588  | 16.68 | ng/ul | -0.02 |
| 70) Anthracene-d10             | 17.24 | 188 | 2993415 | 34.76 | ng/ul | -0.02 |
| 78) Pyrene-d10                 | 19.55 | 212 | 2678860 | 41.12 | ng/ul | -0.02 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 2198835 | 34.87 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |              | Ovalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 6) Phenol                      | 6.92  | 94  | 80898   | 1.939 ng/ul  | 99     |
| 44) Dimethylphthalate          | 13.84 | 163 | 991570  | 12.726 ng/ul | 100    |
| 69) Phenanthrene               | 17.18 | 178 | 428564  | 4.275 ng/ul  | 99     |
| 71) Anthracene                 | 17.27 | 178 | 105880  | 1.040 ng/ul  | 100    |
| 76) Fluoranthene               | 19.21 | 202 | 885621  | 8.276 ng/ul  | 97     |
| 79) Pyrene                     | 19.58 | 202 | 810768  | 9.922 ng/ul  | 98     |
| 82) Benzo(a)anthracene         | 21.34 | 228 | 402037  | 4.958 ng/ul  | 95     |
| 83) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 88584   | 1.664 ng/ul# | 94     |
| 84) Chrysene                   | 21.39 | 228 | 425251  | 5.623 ng/ul  | 97     |
| 87) Benzo(b)fluoranthene       | 22.96 | 252 | 533282  | 6.719 ng/ul# | 94     |
| 88) Benzo(k)fluoranthene       | 23.00 | 252 | 167329m | 2.293 ng/ul  |        |
| 90) Benzo(a)pyrene             | 23.54 | 252 | 369130  | 4.932 ng/ul# | 92     |
| 91) Indeno(1,2,3-cd)pyrene     | 25.94 | 276 | 266247  | 3.032 ng/ul  | 96     |
| 92) Dibenzo(a,h)anthracene     | 25.95 | 278 | 76129   | 1.041 ng/ul# | 73     |
| 93) Benzo(g,h,i)perylene       | 26.65 | 276 | 198756  | 2.687 ng/ul# | 92     |

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

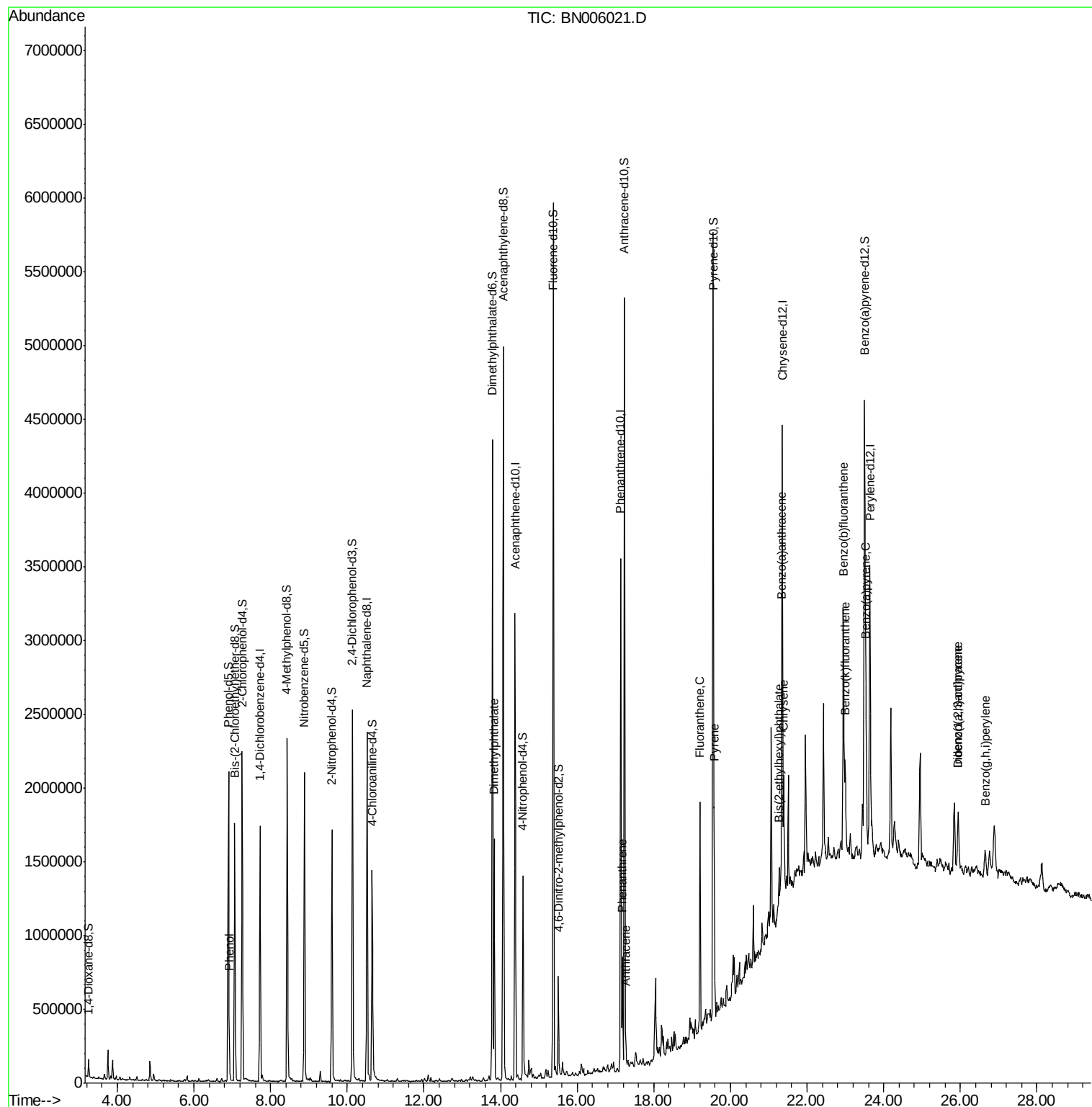
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\  
Data File : BN006021.D  
Acq On : 02 Jun 2019 08:24  
Operator : JU/SJ  
Sample : K2928-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

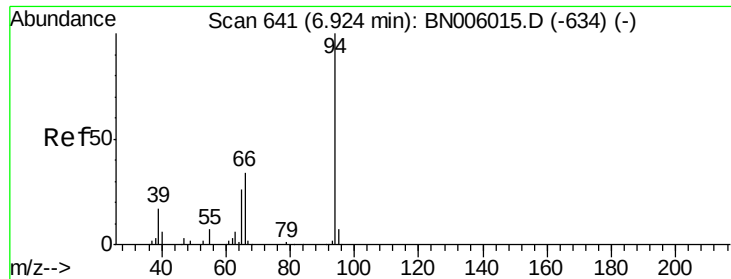
Instrument :  
BNA\_N  
ClientSampled :  
A42C1

Manual Integrations  
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6/4/2019 8:38:39 AM

Quant Time: Jun 03 02:58:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jun 01 01:49:29 2019  
Response via : Initial Calibration





#6

Phenol

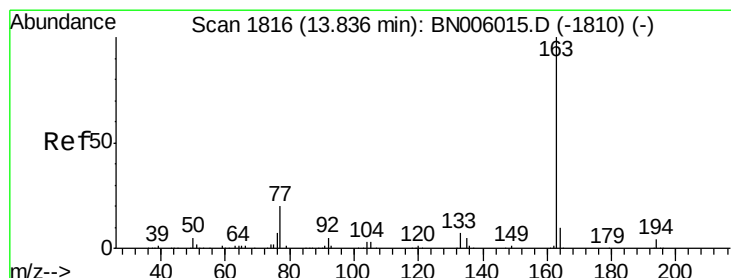
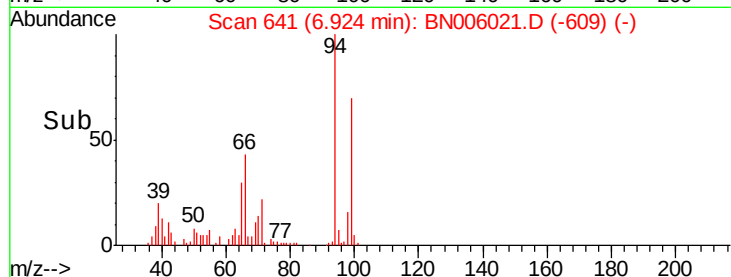
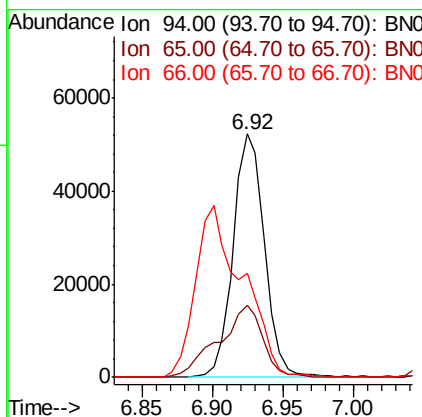
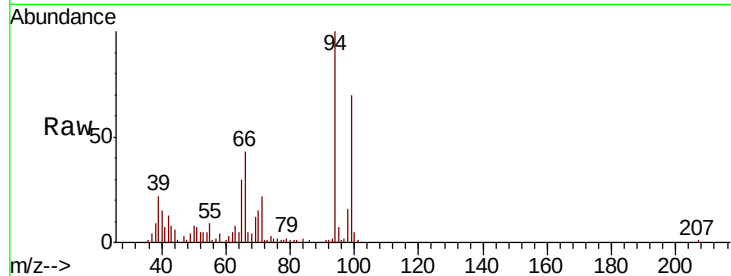
Concen: 1.939 ng/ul  
 RT: 6.92 min Scan# 641  
 Delta R.T. -0.01 min  
 Lab File: BN006021.D  
 Acq: 02 Jun 2019 08:24

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A42C1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 29.8  | 24.2  | 36.4  |
| 66      | 42.6  | 33.8  | 50.6  |

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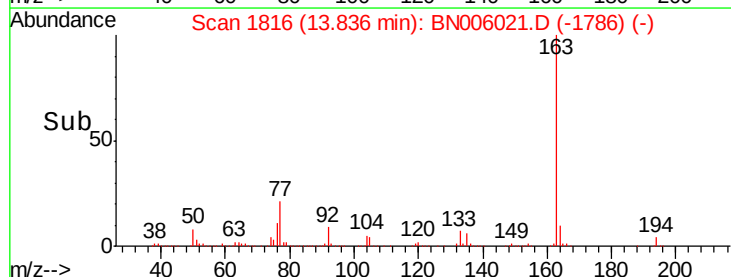
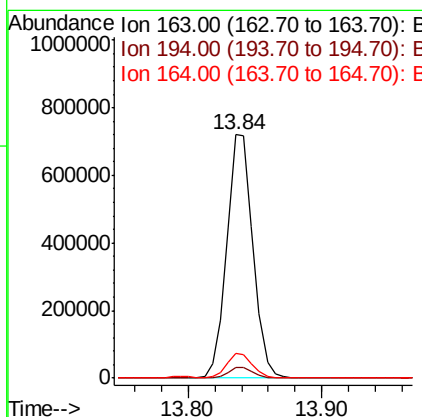
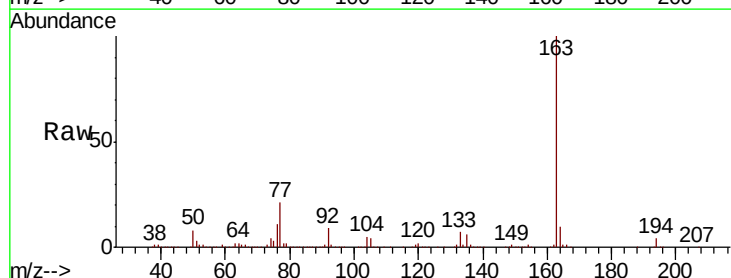


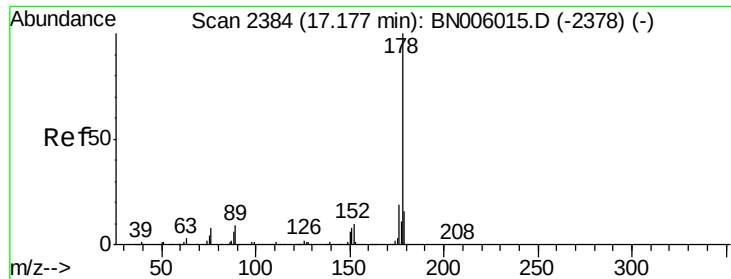
#44

Dimethylphthalate

Concen: 12.726 ng/ul  
 RT: 13.84 min Scan# 1816  
 Delta R.T. -0.02 min  
 Lab File: BN006021.D  
 Acq: 02 Jun 2019 08:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.4   | 5.0   |
| 164     | 10.3  | 8.1   | 12.1  |





#69

Phenanthrene

Concen: 4.275 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. -0.02 min

Lab File: BN006021.D

Acq: 02 Jun 2019 08:24

Instrument :

BNA\_N

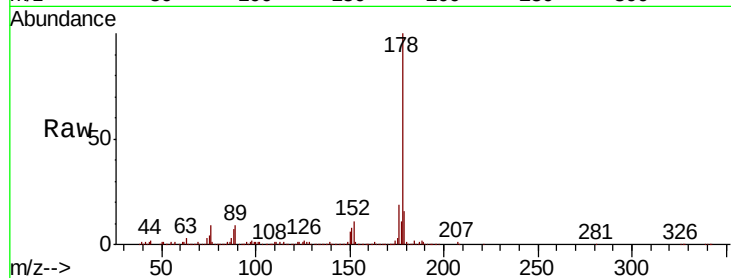
ClientSampleId :

A42C1

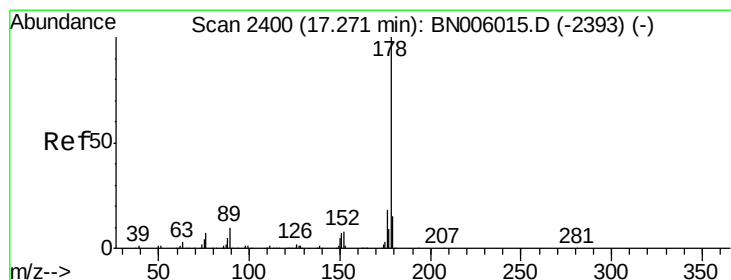
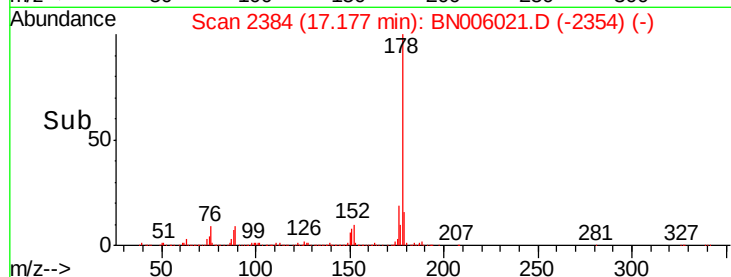
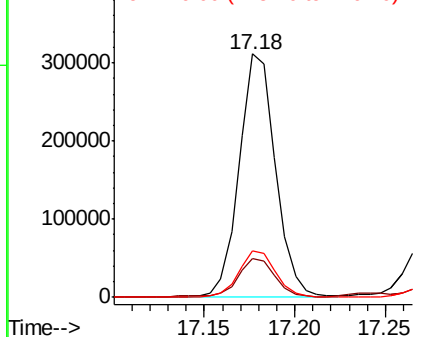
|             |       |        |
|-------------|-------|--------|
| Tot Ion:178 | Resp: | 428564 |
| Ion Ratio   | Lower | Upper  |
| 178 100     |       |        |
| 179 15.8    | 12.2  | 18.4   |
| 176 19.3    | 15.1  | 22.7   |

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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



#71

Anthracene

Concen: 1.040 ng/ul

RT: 17.27 min Scan# 2400

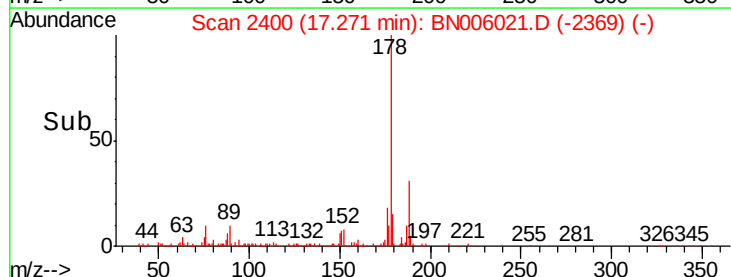
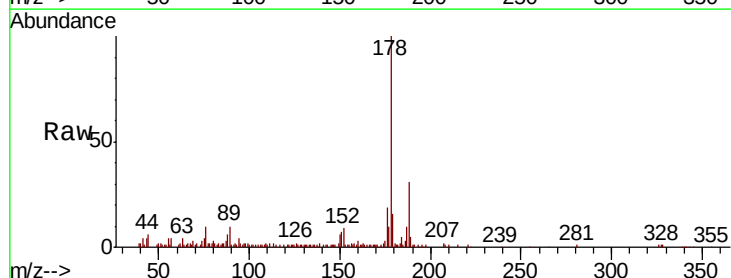
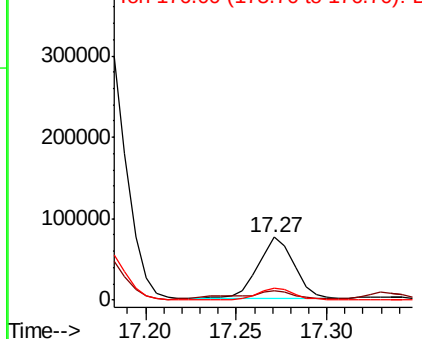
Delta R.T. -0.02 min

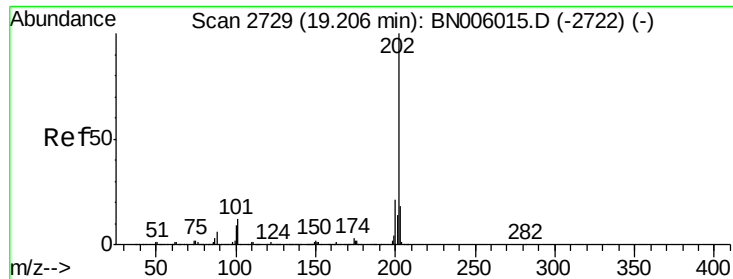
Lab File: BN006021.D

Acq: 02 Jun 2019 08:24

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:178 | Resp: | 105880 |
| Ion Ratio   | Lower | Upper  |
| 178 100     |       |        |
| 179 15.5    | 12.3  | 18.5   |
| 176 18.8    | 15.1  | 22.7   |

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





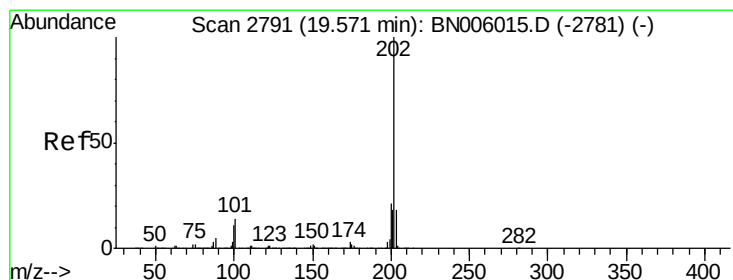
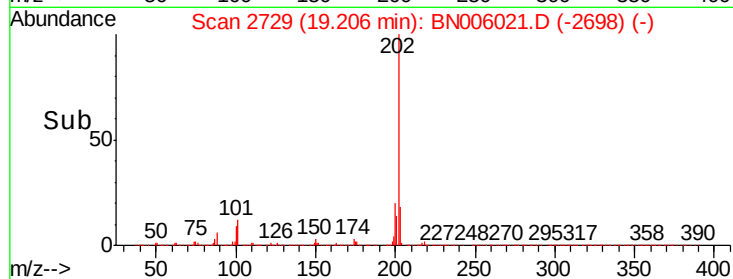
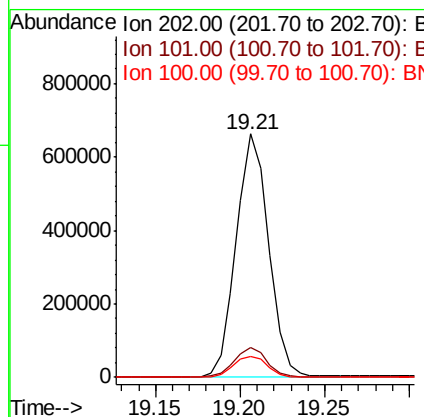
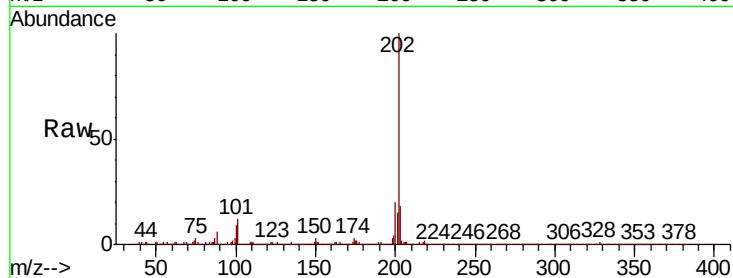
#76  
Fluoranthene  
Concen: 8.276 ng/ul  
RT: 19.21 min Scan# 2729  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

Instrument :  
BNA\_N  
ClientSampleId :  
A42C1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 885621 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.3  | 8.6   | 12.8   |
| 100       | 8.7   | 6.3   | 9.5    |

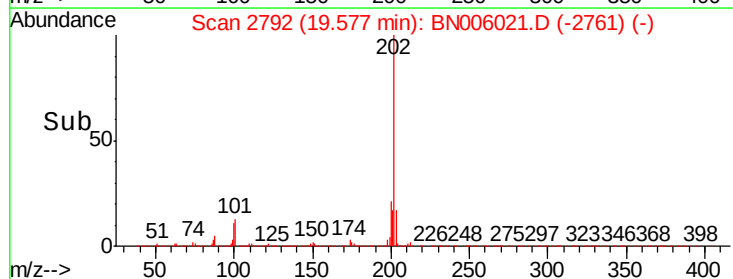
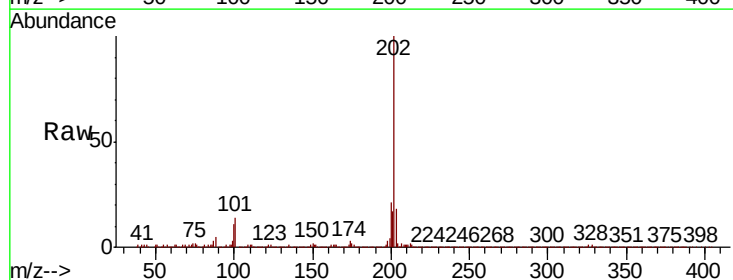
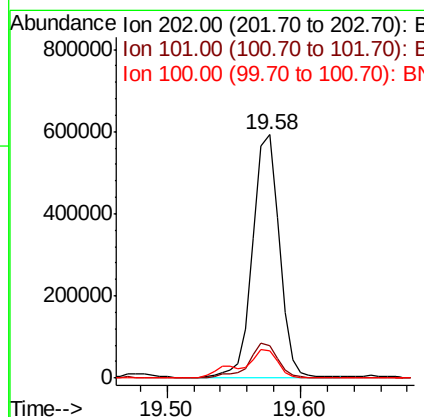
Manual Integrations  
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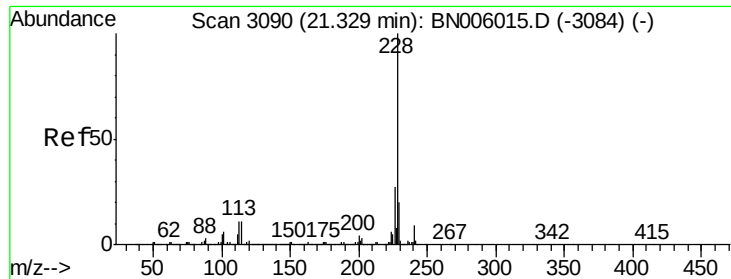
Sohil  
6/4/2019 8:38:39 AM



#79  
Pyrene  
Concen: 9.922 ng/ul  
RT: 19.58 min Scan# 2792  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 810768 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.5  | 10.3  | 15.5   |
| 100       | 11.0  | 7.9   | 11.9   |





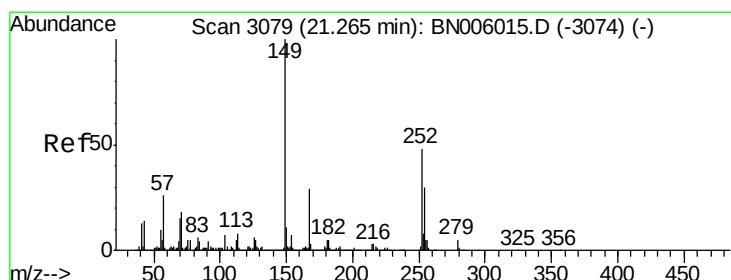
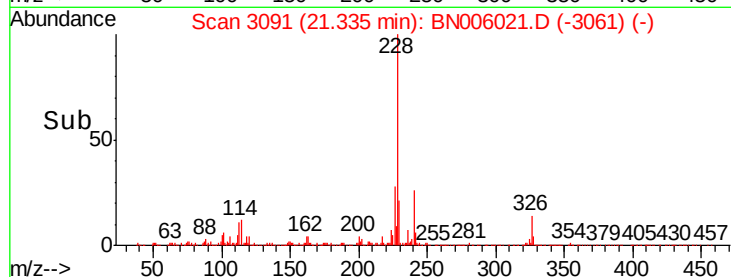
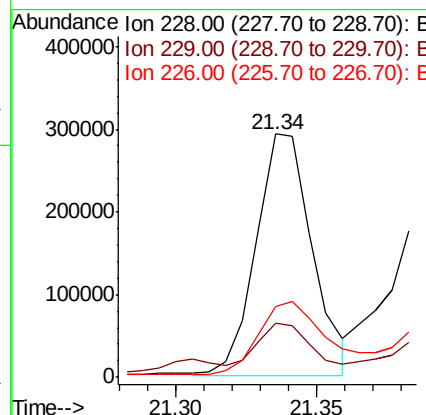
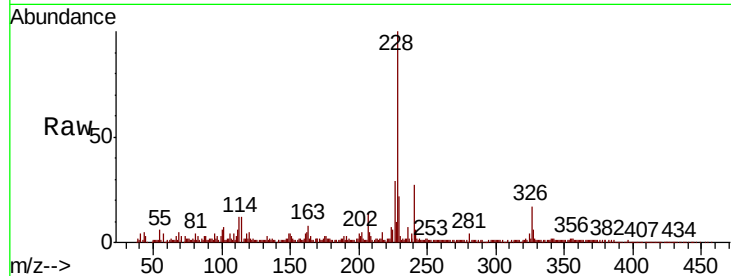
#82  
Benzo(a)anthracene  
Concen: 4.958 ng/ul  
RT: 21.34 min Scan# 3091  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

Instrument :  
BNA\_N  
ClientSampled :  
A42C1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 402037 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 22.2  | 15.8  | 23.6   |
| 226       | 29.2  | 21.4  | 32.2   |

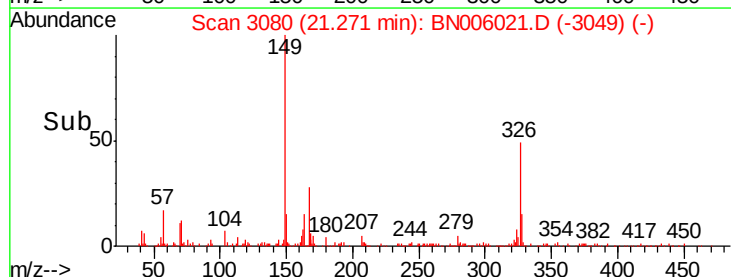
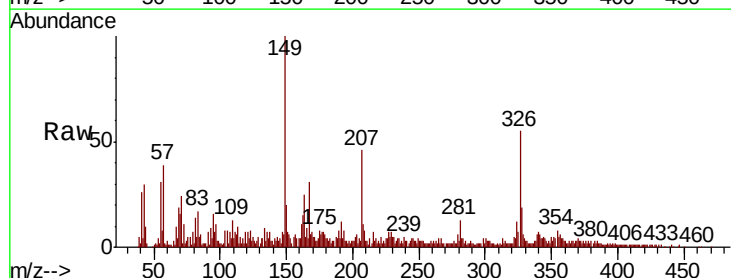
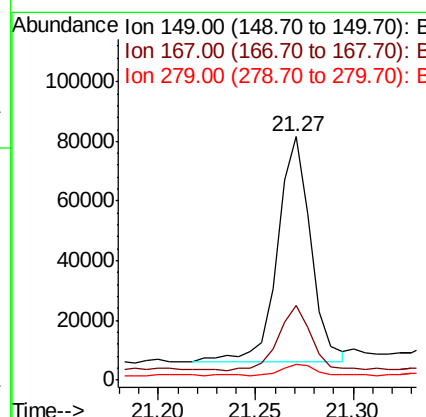
Manual Integrations  
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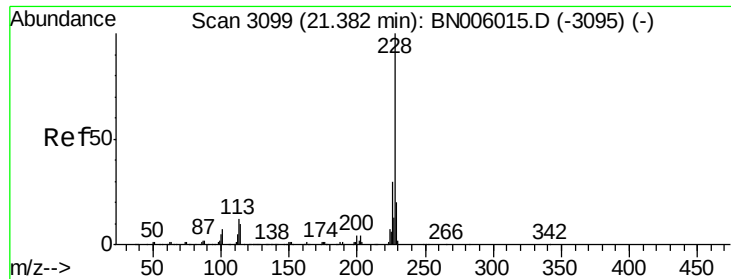
Sohil  
6/4/2019 8:38:39 AM



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 1.664 ng/ul  
RT: 21.27 min Scan# 3080  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 88584 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 30.8  | 22.3  | 33.5  |
| 279       | 6.3   | 3.3   | 4.9#  |





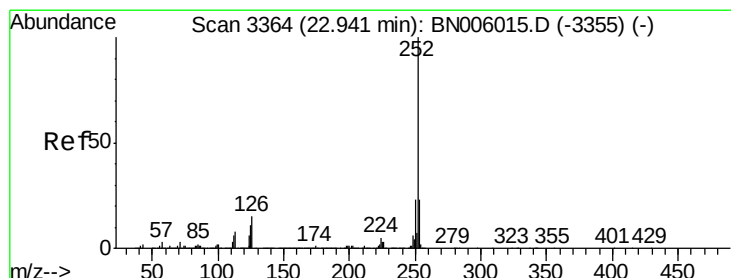
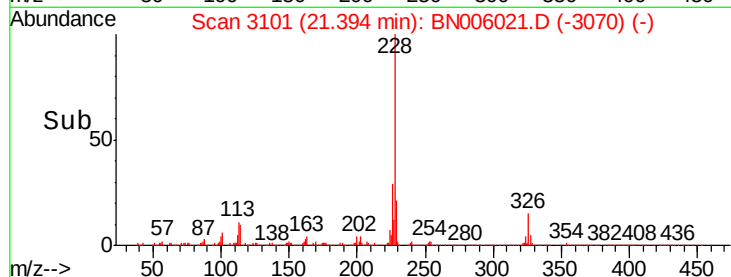
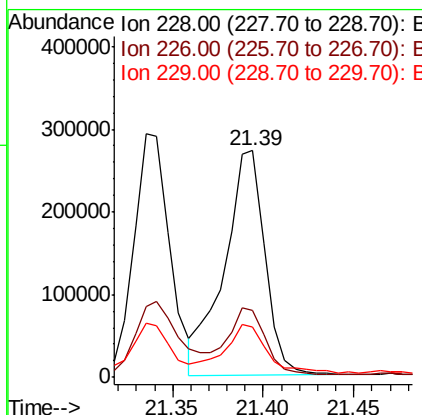
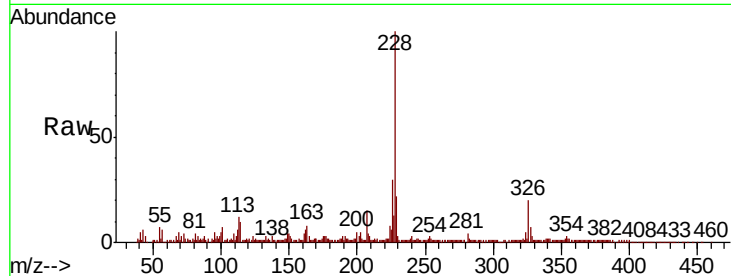
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Chrysene  
Concen: 5.623 ng/ul  
RT: 21.39 min Scan# 3101  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

Instrument :  
BNA\_N  
ClientSampled :  
A42C1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.8  | 24.0  | 36.0  |
| 229     | 22.2  | 15.4  | 23.0  |

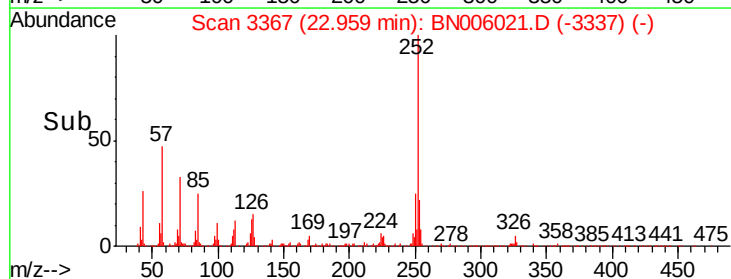
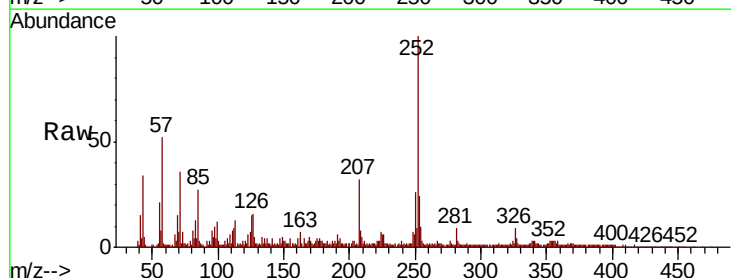
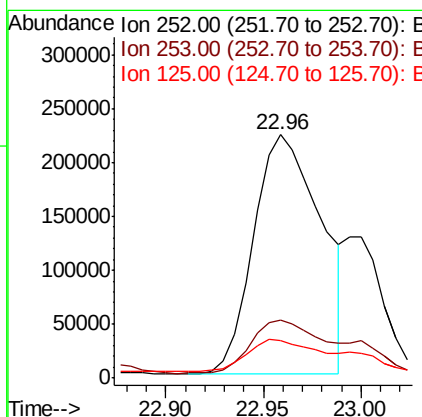
Manual Integrations  
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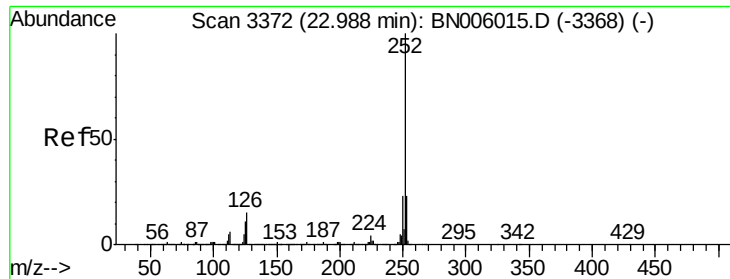
Sohil  
6/4/2019 8:38:39 AM



#87  
Benzo(b)fluoranthene  
Concen: 6.719 ng/ul  
RT: 22.96 min Scan# 3367  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.7  | 17.7  | 26.5  |
| 125     | 15.2  | 8.4   | 12.6  |





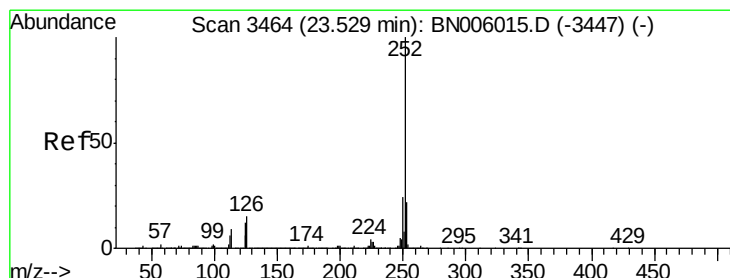
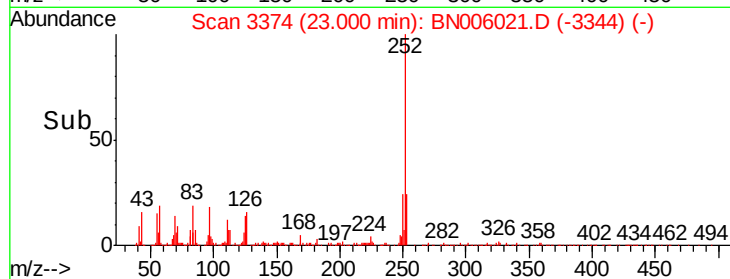
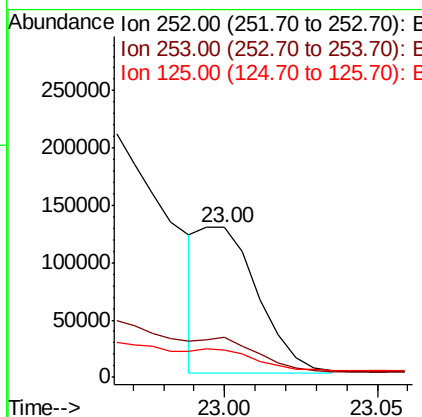
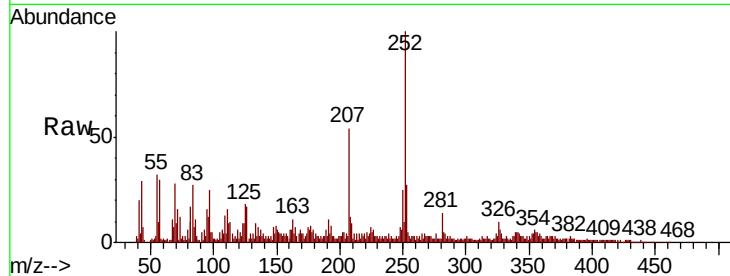
#88  
Benzo(k)fluoranthene  
Concen: 2.293 ng/ul m  
RT: 23.00 min Scan# 3374  
Delta R.T. -0.02 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

Instrument :  
BNA\_N  
ClientSampleId :  
A42C1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 17.4  | 26.0# |
| 125     | 17.9  | 7.5   | 11.3# |

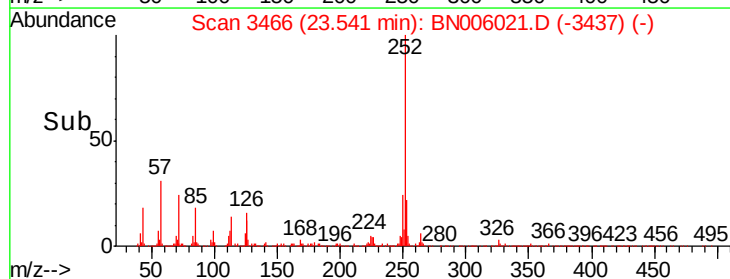
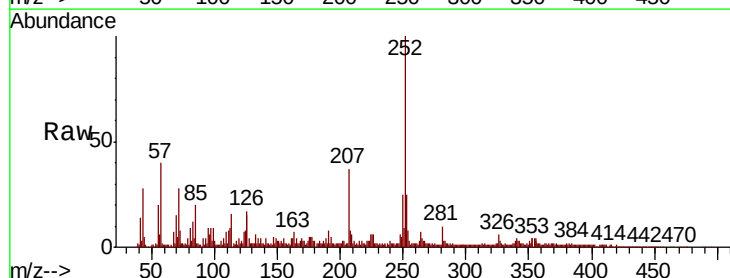
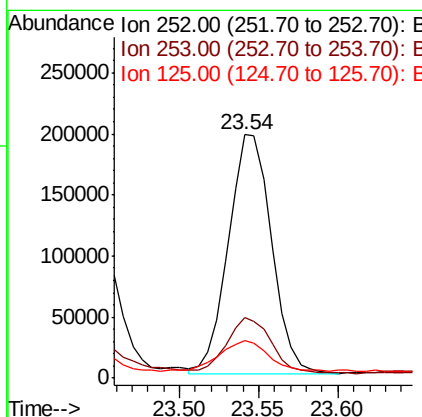
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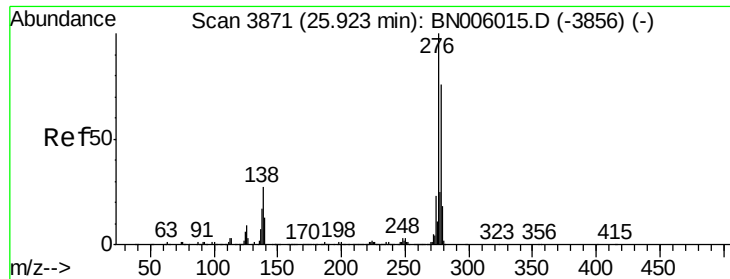


#90  
Benzo(a)pyrene  
Concen: 4.932 ng/ul  
RT: 23.54 min Scan# 3466  
Delta R.T. -0.03 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.7  | 17.3  | 25.9  |
| 125     | 15.4  | 8.6   | 13.0# |







#91

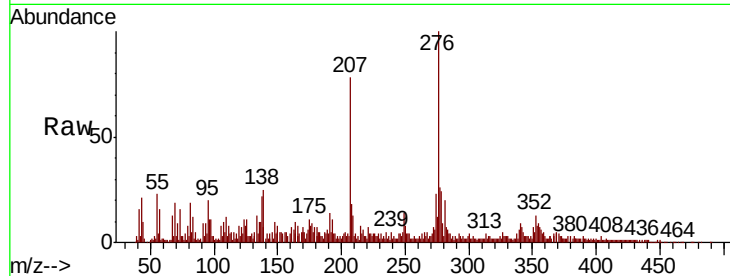
Indeno(1,2,3-cd)pyrene  
Concen: 3.032 ng/ul  
RT: 25.94 min Scan# 3874  
Delta R.T. -0.05 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

Instrument :  
BNA\_N  
ClientSampleId :  
A42C1

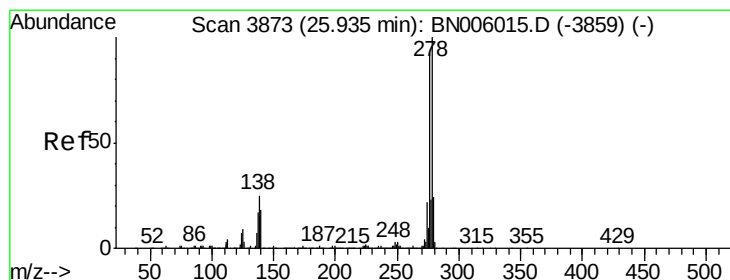
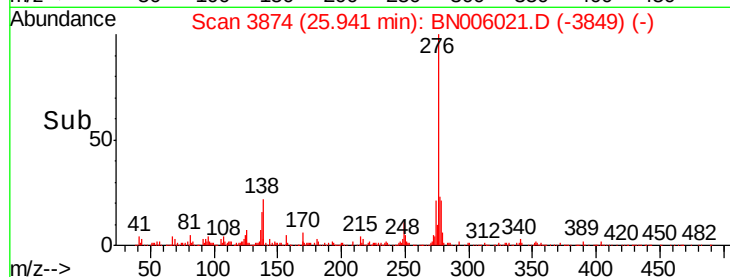
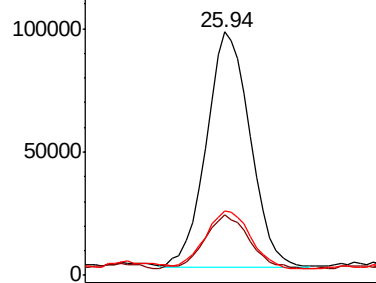
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 266247 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.8  | 17.9  | 26.9   |
| 277       | 26.5  | 19.7  | 29.5   |

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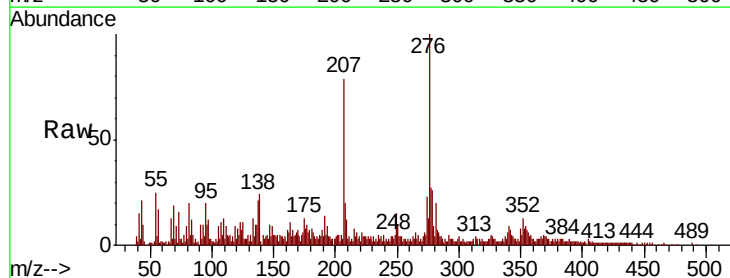
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



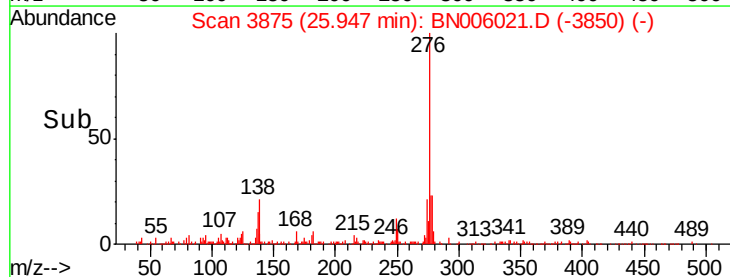
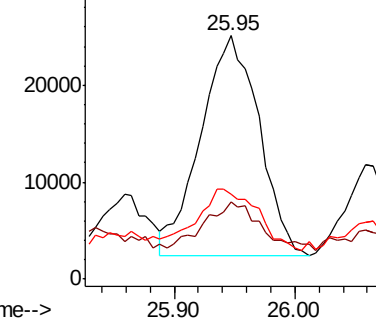
#92

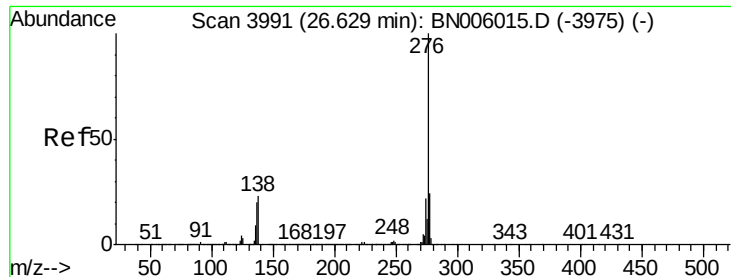
Dibenzo(a,h)anthracene  
Concen: 1.041 ng/ul  
RT: 25.95 min Scan# 3875  
Delta R.T. -0.05 min  
Lab File: BN006021.D  
Acq: 02 Jun 2019 08:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 76129 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 31.5  | 13.1  | 19.7# |
| 279       | 35.1  | 19.4  | 29.0# |



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.687 ng/ul

RT: 26.65 min Scan# 3995

Delta R.T. -0.05 min

Lab File: BN006021.D

Acq: 02 Jun 2019 08:24

Instrument :

BNA\_N

ClientSampleId :

A42C1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 198756 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 25.7  | 16.7  | 25.1#  |
| 277       | 25.7  | 18.2  | 27.2   |

Manual Integrations  
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