

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\  
 Data File : BN005187.D  
 Acq On : 22 Apr 2019 22:44  
 Operator : JU/SJ  
 Sample : K2455-13  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR3

Manual Integrations  
 APPROVED

Sohil  
 4/23/2019 4:19:38 PM

Quant Time: Apr 23 04:56:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 19 04:25:06 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 341      | 20.00    | ng/ul  | -0.02    |
| 18) Naphthalene-d8             | 10.36 | 136  | 3083     | 20.00    | ng/ul  | -0.01    |
| 35) Acenaphthene-d10           | 14.23 | 164  | 3679     | 20.00    | ng/ul  | -0.01    |
| 61) Phenanthrene-d10           | 16.99 | 188  | 5450m    | 20.00    | ng/ul  | 0.00     |
| 77) Chrysene-d12               | 21.20 | 240  | 8406     | 20.00    | ng/ul  | 0.00     |
| 85) Perylene-d12               | 23.40 | 264  | 10728m   | 20.00    | ng/ul  | 0.02     |
| System Monitoring Compounds    |       |      |          |          |        |          |
| 3) 1,4-Dioxane-d8              | 3.22  | 96   | 93586    | 13251.00 | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 6.77  | 99   | 1099336  | 41047.55 | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67   | 702330   | 42037.77 | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.13  | 132  | 868306   | 42363.16 | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.29  | 113  | 870340   | 41572.44 | ng/ul  | -0.01    |
| 19) Nitrobenzene-d5            | 8.74  | 128  | 422509   | 22266.21 | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.45  | 143  | 464623   | 24152.12 | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165  | 867864   | 19681.46 | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.50 | 131  | 1125397  | 24747.78 | ng/ul  | 0.00     |
| 43) Dimethylphthalate-d6       | 13.65 | 166  | 2834741  | 10614.62 | ng/ul  | 0.00     |
| 46) Acenaphthylene-d8          | 13.92 | 160  | 3432008  | 10463.13 | ng/ul  | 0.00     |
| 51) 4-Nitrophenol-d4           | 14.43 | 143  | 439524   | 10422.97 | ng/ul  | 0.00     |
| 57) Fluorene-d10               | 15.23 | 176  | 2365217  | 10552.81 | ng/ul  | 0.00     |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200  | 354689m  | 14469.94 | ng/ul  | 0.00     |
| 70) Anthracene-d10             | 17.08 | 188  | 3687691  | 16140.86 | ng/ul  | 0.00     |
| 78) Pyrene-d10                 | 19.39 | 212  | 4119748  | 9580.39  | ng/ul  | 0.00     |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264  | 4185901  | 8928.26  | ng/ul  | 0.02     |
| Target Compounds               |       |      |          |          |        |          |
| 6) Phenol                      | 6.80  | 94   | 15253    | 553.688  | ng/ul# | 86       |
| 34) 2-Methylnaphthalene        | 12.02 | 142  | 3681     | 35.076   | ng/ul  | 90       |
| 44) Dimethylphthalate          | 13.70 | 163  | 620532   | 2331.877 | ng/ul  | 99       |
| 49) Acenaphthene               | 14.29 | 153  | 1497     | 6.802    | ng/ul# | 83       |
| 56) Diethylphthalate           | 15.08 | 149  | 1728     | 6.476    | ng/ul# | 59       |
| 58) Fluorene                   | 15.29 | 166  | 2722     | 11.010   | ng/ul# | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.35 | 198  | 1564     | 59.950   | ng/ul# | 1        |
| 68) Pentachlorophenol          | 16.63 | 266  | 781      | 22.814   | ng/ul# | 52       |
| 69) Phenanthrene               | 17.02 | 178  | 12697    | 47.837   | ng/ul  | 94       |
| 71) Anthracene                 | 17.12 | 178  | 5012     | 18.536   | ng/ul# | 91       |
| 79) Pyrene                     | 19.42 | 202  | 20486    | 37.850   | ng/ul# | 89       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 1135     | 5.297    | ng/ul# | 73       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 8102     | 15.493   | ng/ul# | 91       |
| 83) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 25366    | 76.876   | ng/ul# | 97       |
| 84) Chrysene                   | 21.24 | 228  | 7723     | 15.913   | ng/ul# | 92       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.57 | 276  | 5969     | 9.524    | ng/ul# | 83       |
| 93) Benzo(g,h,i)perylene       | 26.23 | 276  | 5635     | 10.874   | ng/ul# | 93       |

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

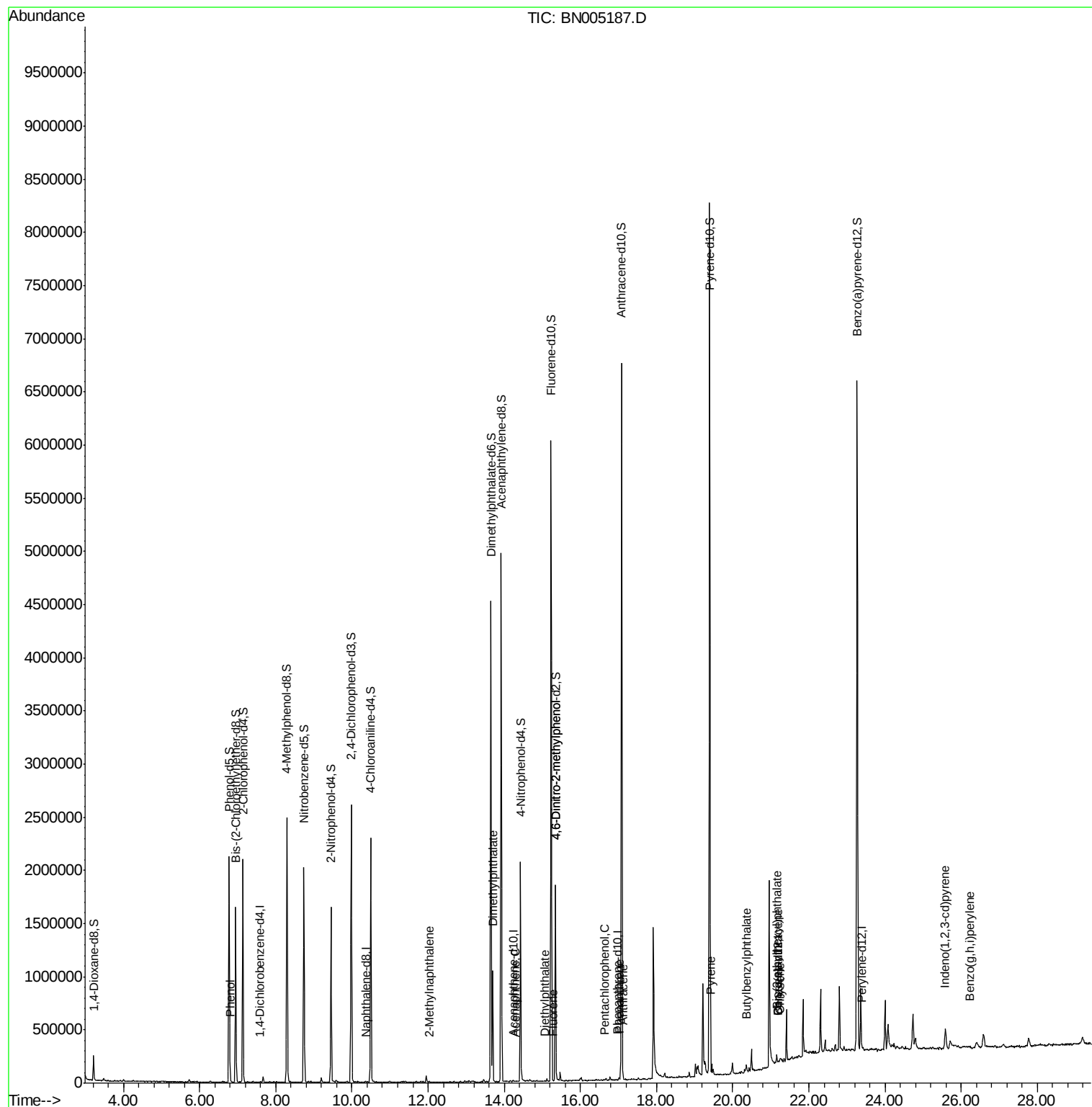
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042219\  
Data File : BN005187.D  
Acq On : 22 Apr 2019 22:44  
Operator : JU/SJ  
Sample : K2455-13  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

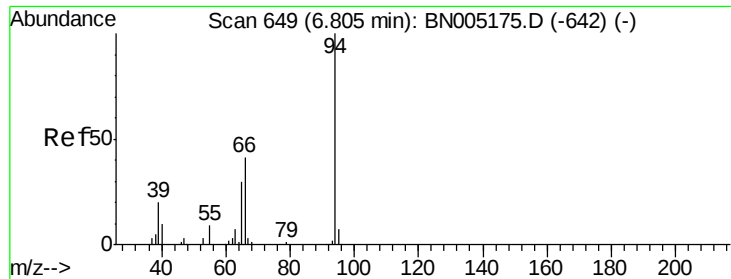
Instrument :  
BNA\_N  
ClientSampleId :  
GAHR3

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4/23/2019 4:19:38 PM

Quant Time: Apr 23 04:56:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 19 04:25:06 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 553.688 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. -0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

Instrument :

BNA\_N

ClientSampleId :

GAHR3

Tot Ion: 94 Resp: 15253

Ion Ratio Lower Upper

94 100

65 28.4 24.2 36.4

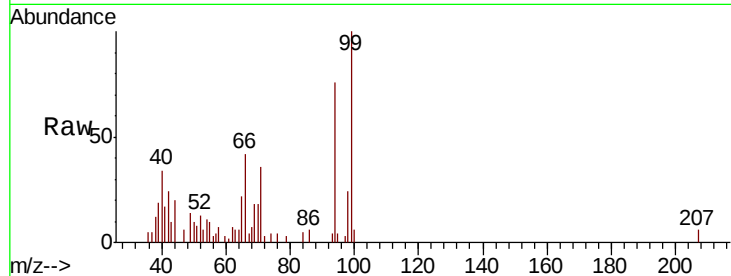
66 55.6 33.8 50.6#

Manual Integrations

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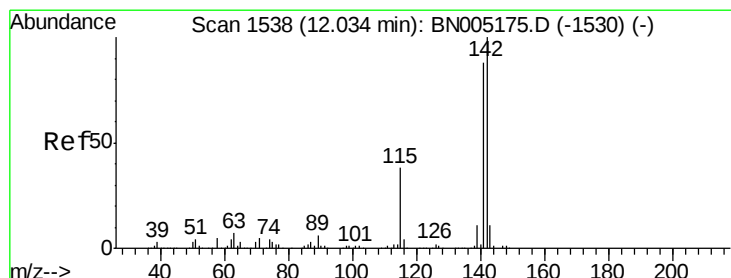
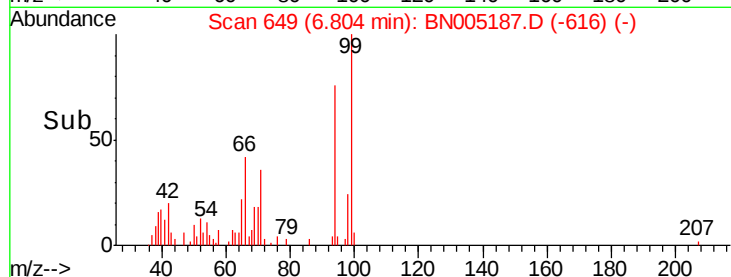
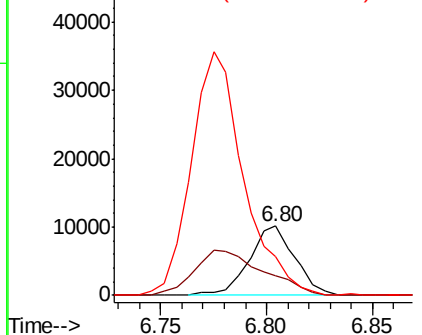
4/23/2019 4:19:38 PM



Abundance Ion 94.00 (93.70 to 94.70): BN005175.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BN005175.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BN005175.D (-642) (-)



#34

2-Methylnaphthalene

Concen: 35.076 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BN005187.D

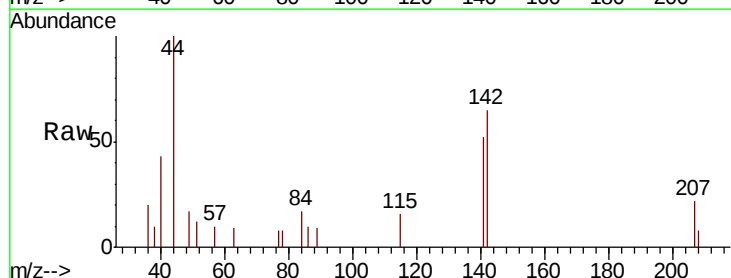
Acq: 22 Apr 2019 22:44

Tgt Ion: 142 Resp: 3681

Ion Ratio Lower Upper

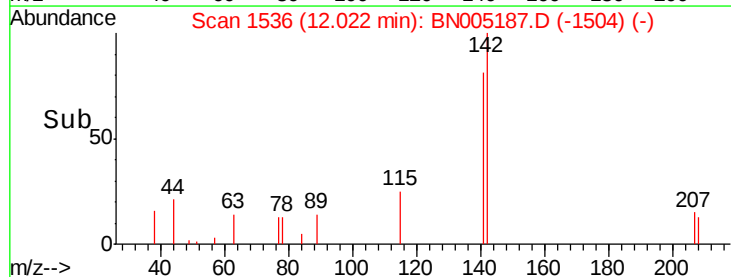
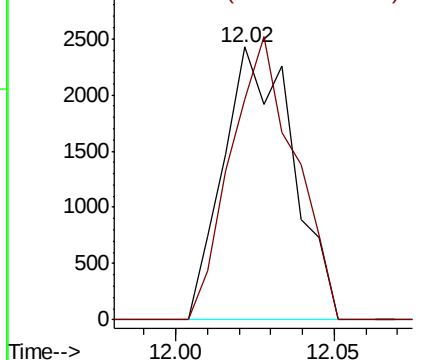
142 100

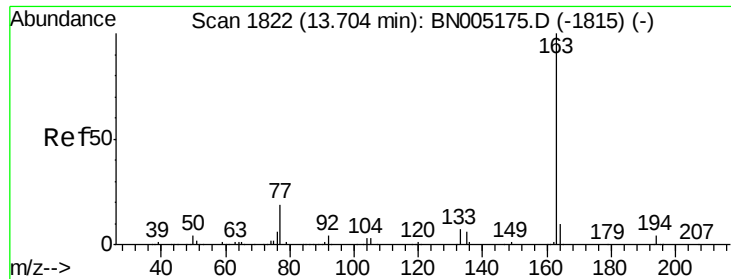
141 80.8 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): BN005175.D (-1530) (-)

Ion 141.00 (140.70 to 141.70): BN005175.D (-1530) (-)





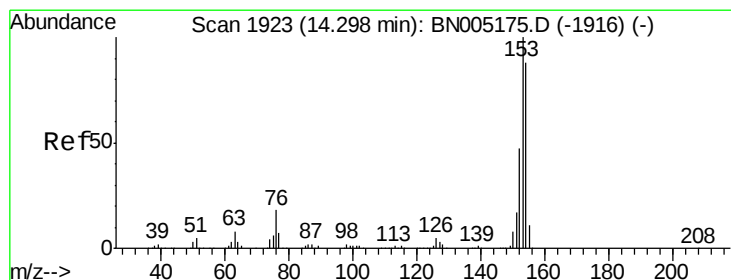
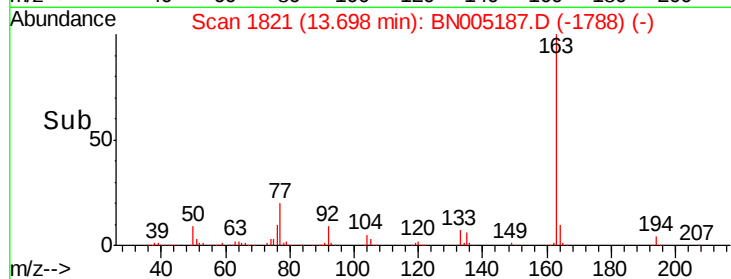
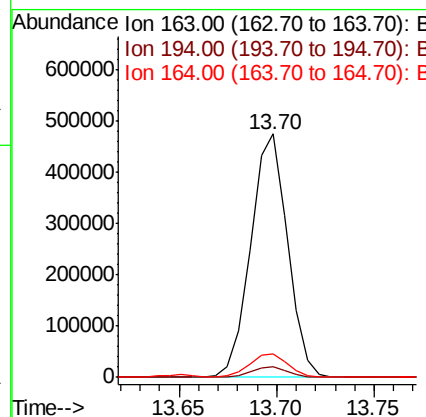
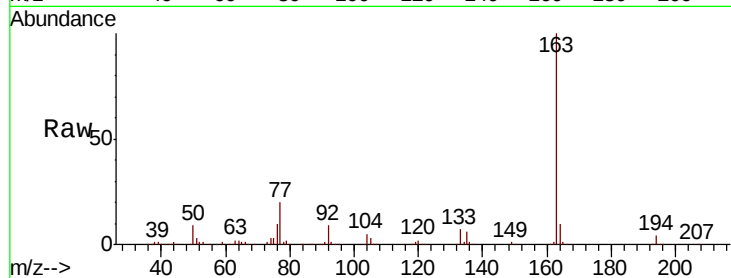
#44  
Dimethylphthalate  
Concen: 2331.877 ng/ul  
RT: 13.70 min Scan# 1821  
Delta R.T. -0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

Instrument :  
BNA\_N  
ClientSampleId :  
GAHR3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.0   |
| 164     | 9.8   | 8.1   | 12.1  |

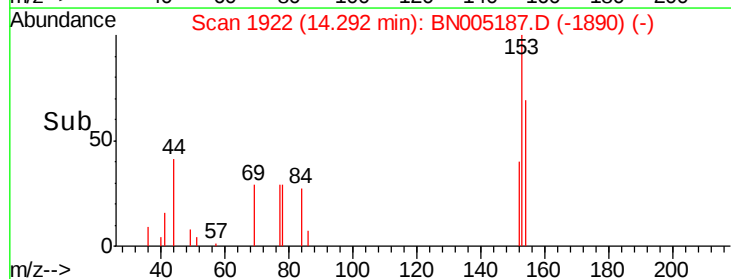
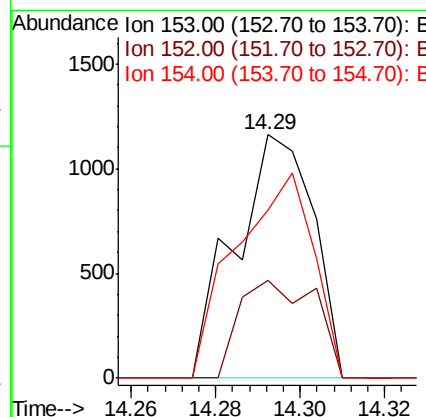
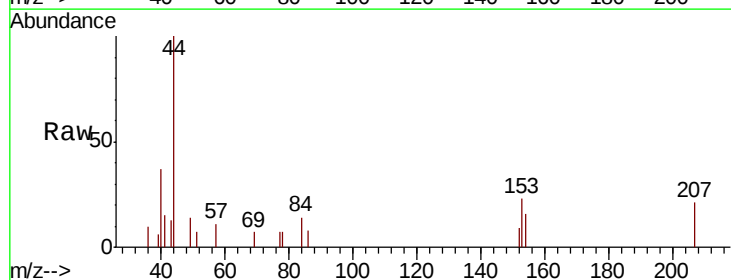
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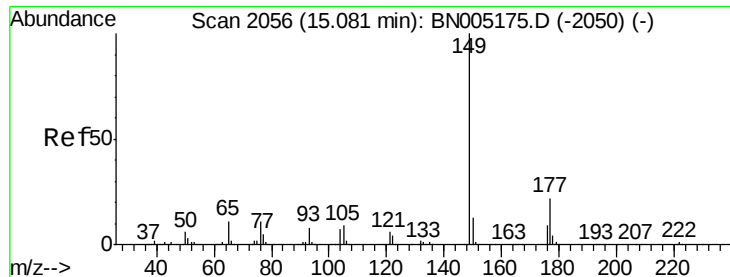
Sohil  
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#49  
Acenaphthene  
Concen: 6.802 ng/ul  
RT: 14.29 min Scan# 1922  
Delta R.T. -0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 40.2  | 37.4  | 56.0  |
| 154     | 69.0  | 71.2  | 106.8 |





#56

Diethylphthalate

Concen: 6.476 ng/ul

RT: 15.08 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

Instrument :

BNA\_N

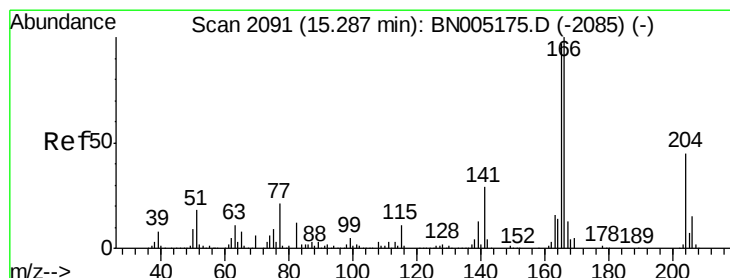
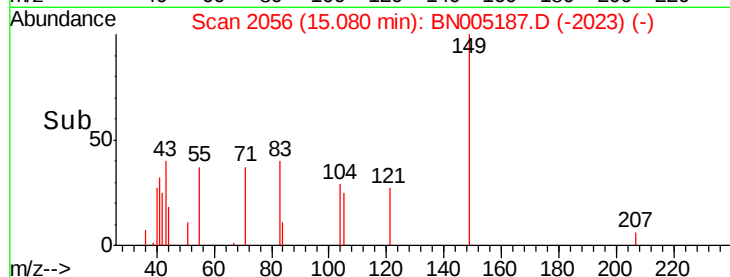
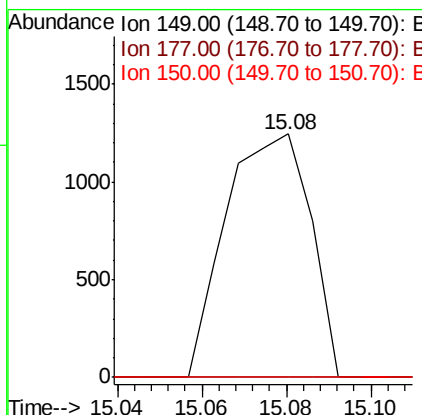
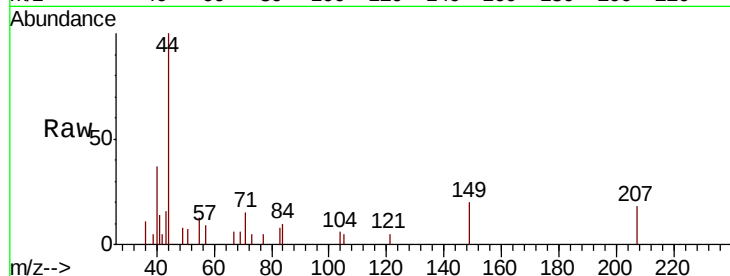
ClientSampled :

GAHR3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 149   | Resp: | 1728  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 177       | 0.0   | 17.7  | 26.5# |
| 150       | 0.0   | 10.0  | 15.0# |

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#58

Fluorene

Concen: 11.010 ng/ul

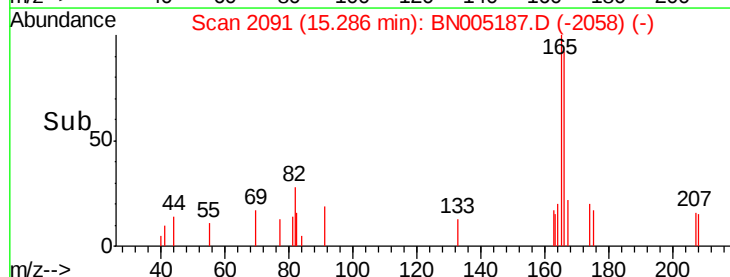
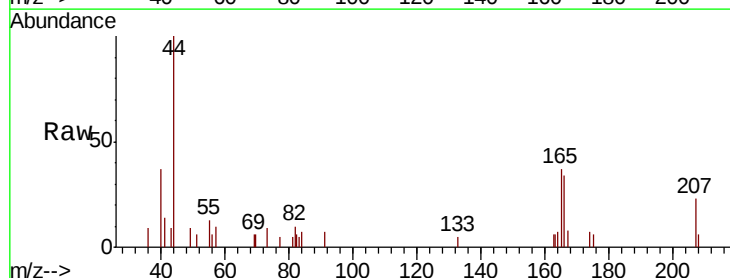
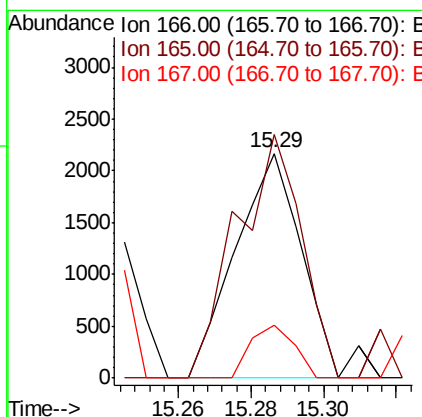
RT: 15.29 min Scan# 2091

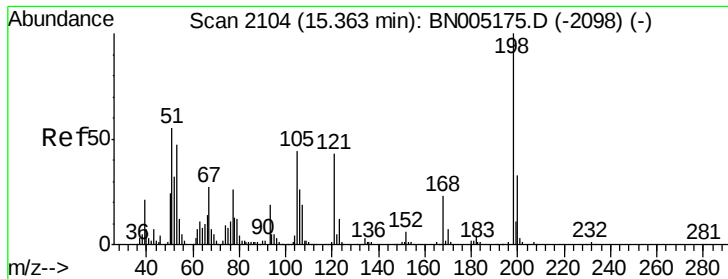
Delta R.T. -0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 2722  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 108.4 | 80.0  | 120.0 |
| 167       | 23.7  | 10.7  | 16.1# |





#63

4,6-Dinitro-2-methylphenol

Concen: 59.950 ng/ul

RT: 15.35 min Scan# 2102

Delta R.T. -0.02 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

Instrument :

BNA\_N

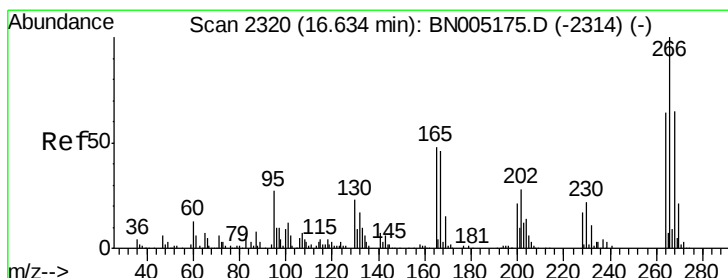
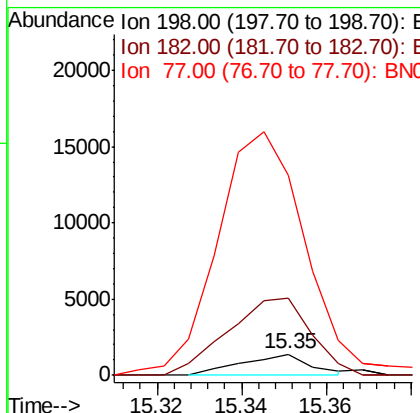
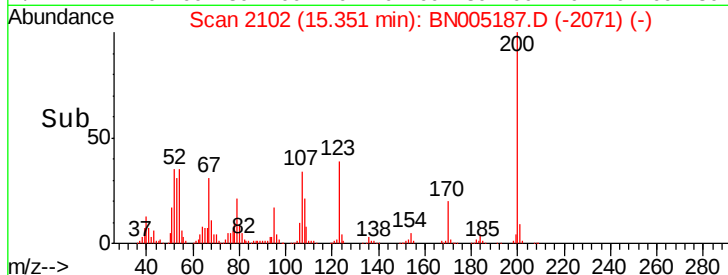
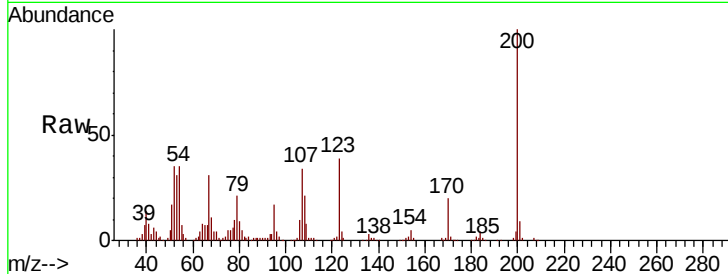
ClientSampleId :

GAHR3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 1564  |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 182       | 368.5 | 3.0   | 4.6#  |
| 77        | 946.7 | 21.9  | 32.9# |

Manual Integrations  
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#68

Pentachlorophenol

Concen: 22.814 ng/ul

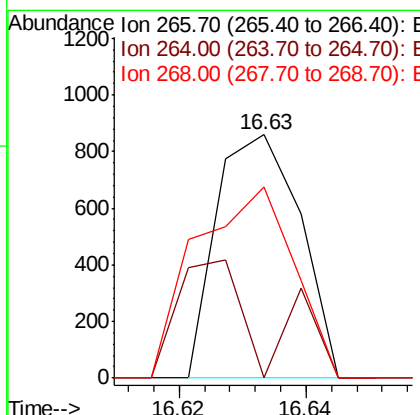
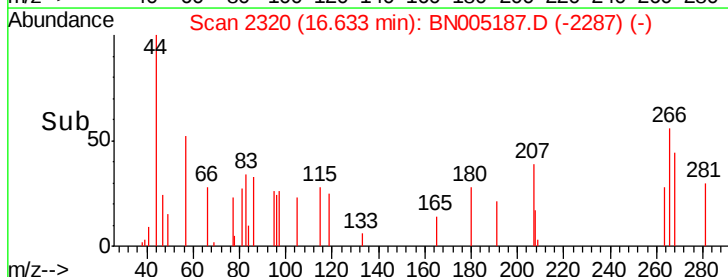
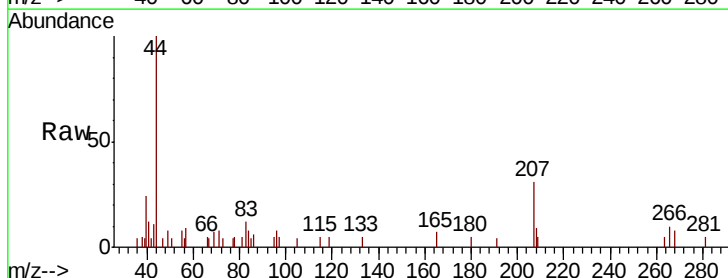
RT: 16.63 min Scan# 2320

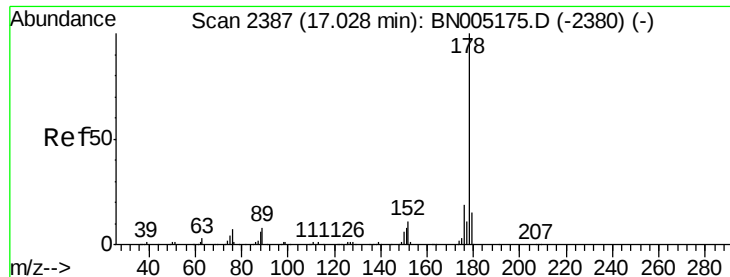
Delta R.T. -0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 781   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 0.0   | 49.7  | 74.5# |
| 268       | 78.6  | 52.4  | 78.6# |





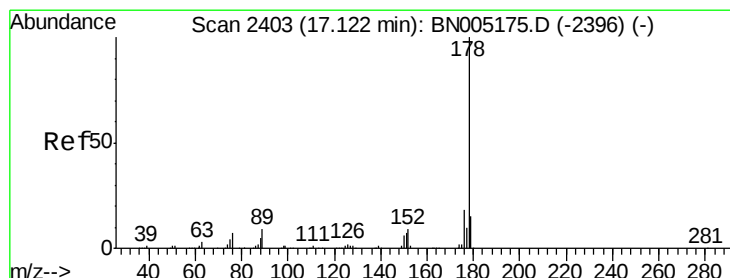
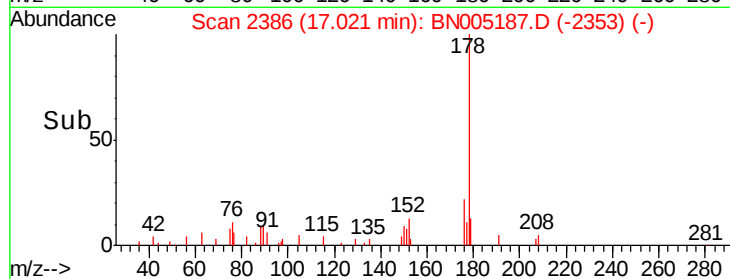
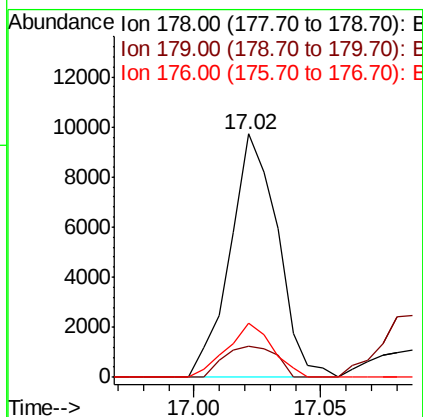
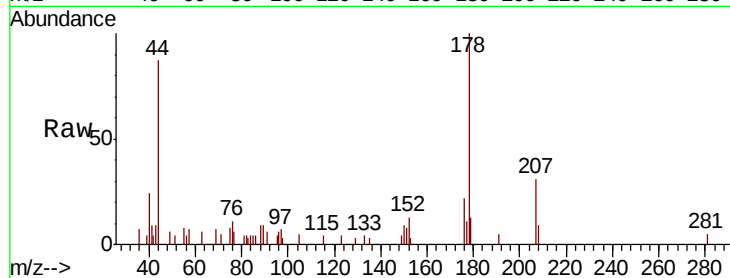
#69  
Phenanthrene  
Concen: 47.837 ng/ul  
RT: 17.02 min Scan# 2386  
Delta R.T. -0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

Instrument :  
BNA\_N  
ClientSampleId :  
GAHR3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 13.0  | 12.2  | 18.4  |
| 176     | 22.1  | 15.1  | 22.7  |

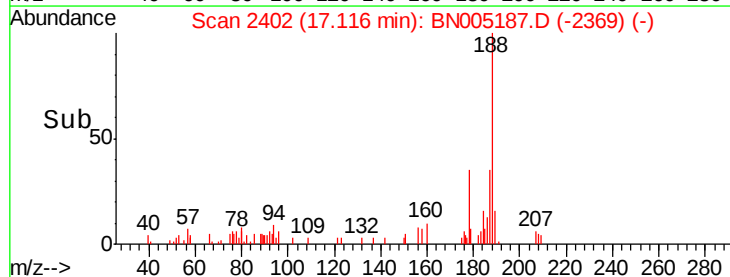
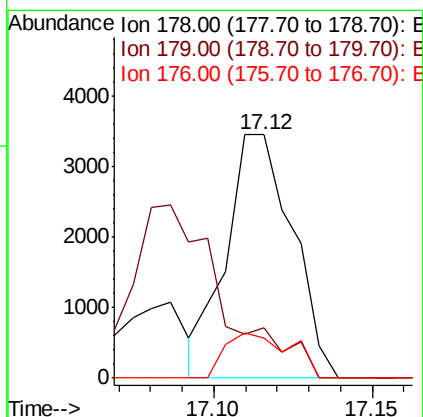
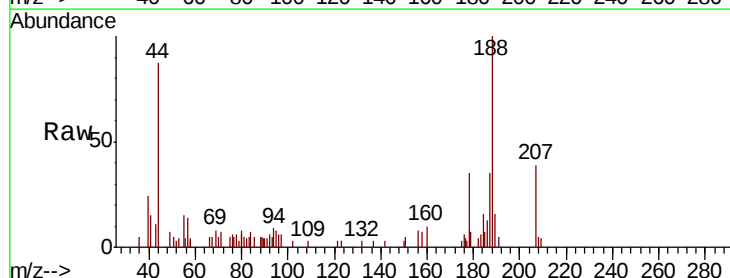
Manual Integrations  
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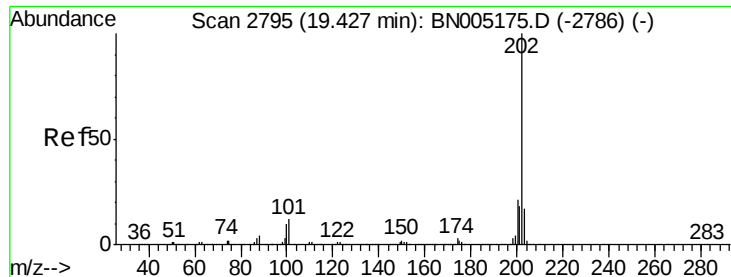
Sohil  
4/23/2019 4:19:38 PM



#71  
Anthracene  
Concen: 18.536 ng/ul  
RT: 17.12 min Scan# 2402  
Delta R.T. -0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 20.8  | 12.3  | 18.5# |
| 176     | 16.6  | 15.1  | 22.7  |





#79

Pvrene

Concen: 37.850 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

Instrument :

BNA\_N

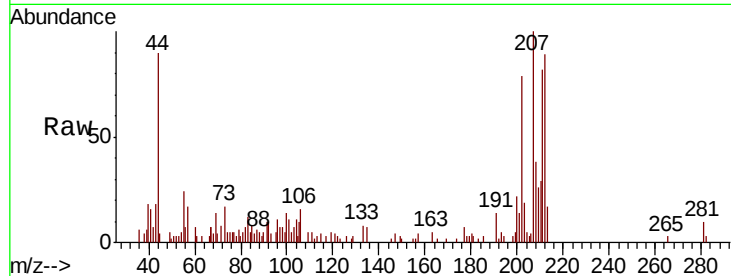
ClientSampled :

GAHR3

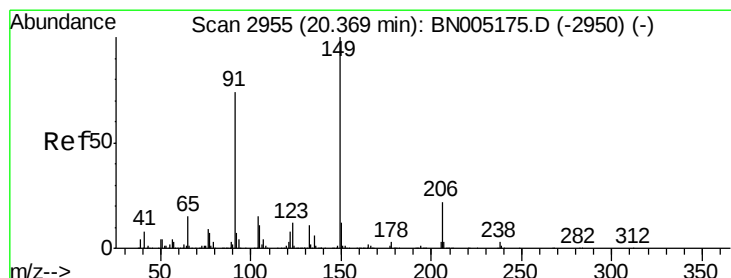
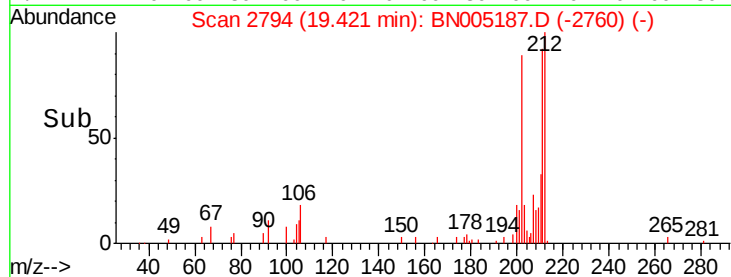
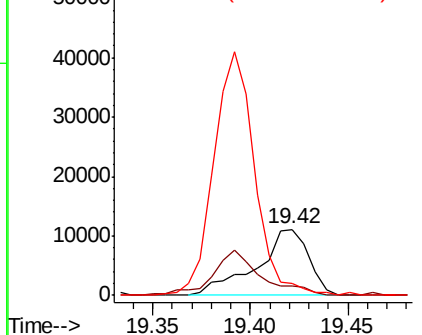
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|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 20486 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 14.0  | 10.3  | 15.5  |
| 100       | 17.8  | 7.9   | 11.9# |

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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



#80

Butylbenzylphthalate

Concen: 5.297 ng/ul

RT: 20.36 min Scan# 2953

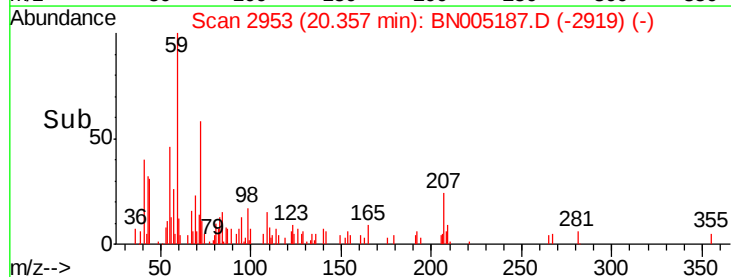
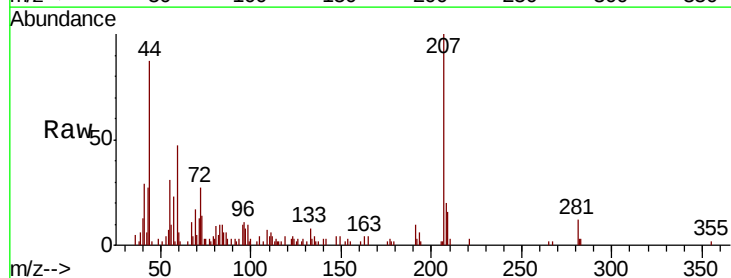
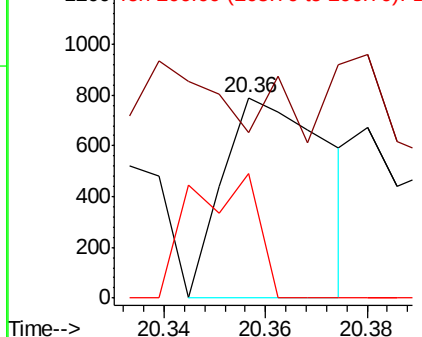
Delta R.T. -0.00 min

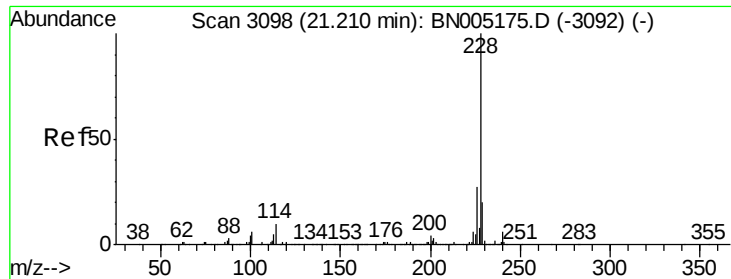
Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 1135  |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 91        | 82.6  | 59.6  | 89.4  |
| 206       | 62.4  | 17.8  | 26.8# |

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





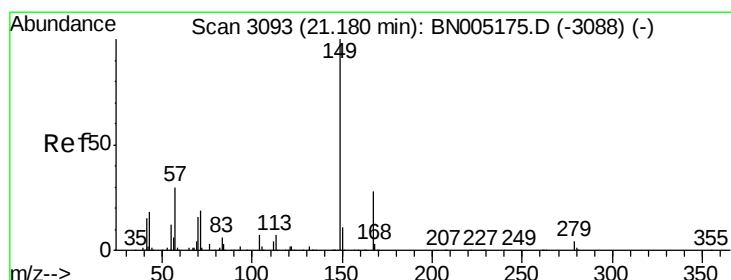
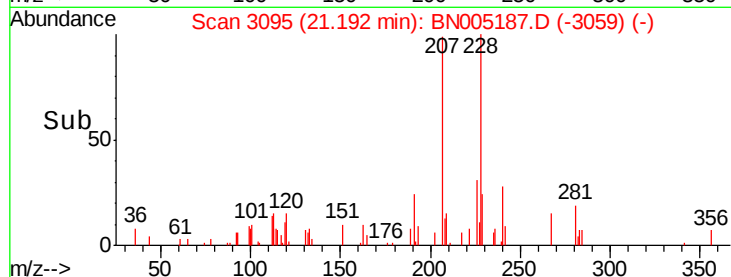
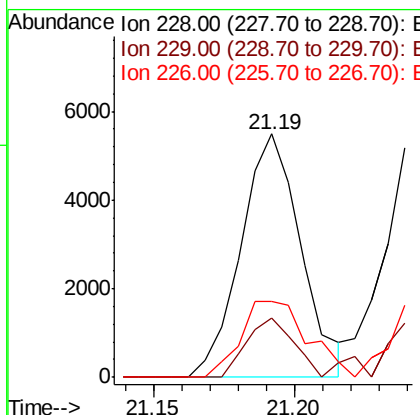
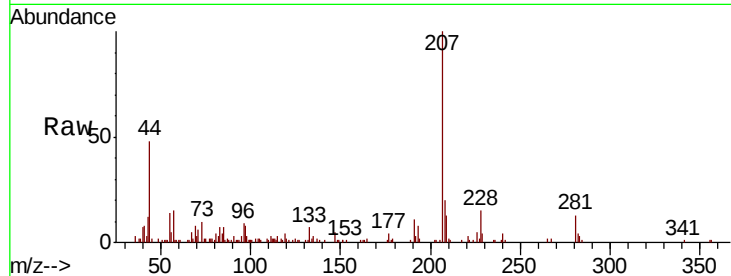
#82  
Benzo(a)anthracene  
Concen: 15.493 ng/ul  
RT: 21.19 min Scan# 3095  
Delta R.T. 0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

Instrument :  
BNA\_N  
ClientSampled :  
GAHR3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 24.4  | 15.8  | 23.6# |
| 226     | 31.2  | 21.4  | 32.2  |

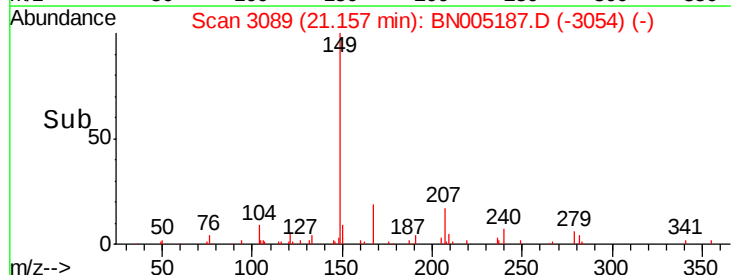
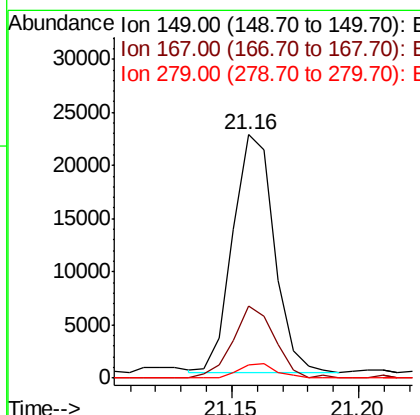
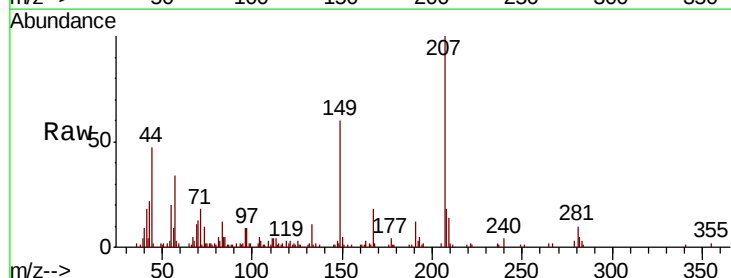
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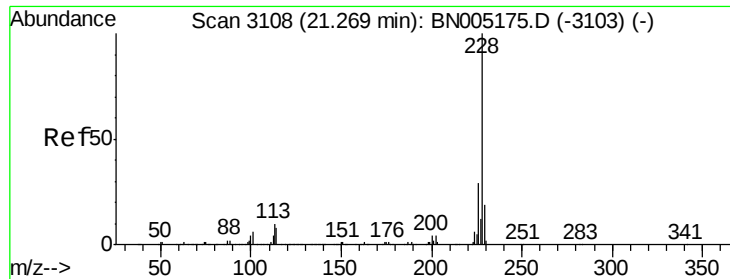
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#83  
Bis(2-ethylhexyl)phthalate  
Concen: 76.876 ng/ul  
RT: 21.16 min Scan# 3089  
Delta R.T. 0.01 min  
Lab File: BN005187.D  
Acq: 22 Apr 2019 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.7  | 22.3  | 33.5  |
| 279     | 5.3   | 3.3   | 4.9#  |





#84

Chrysene

Concen: 15.913 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

Instrument :

BNA\_N

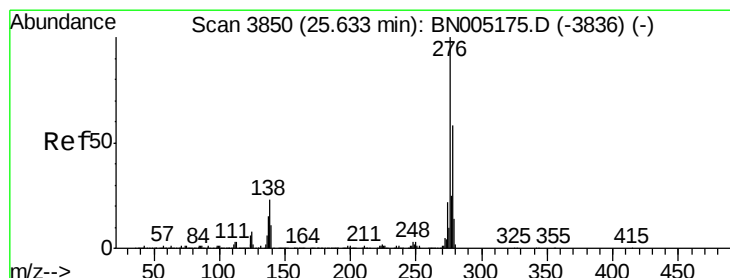
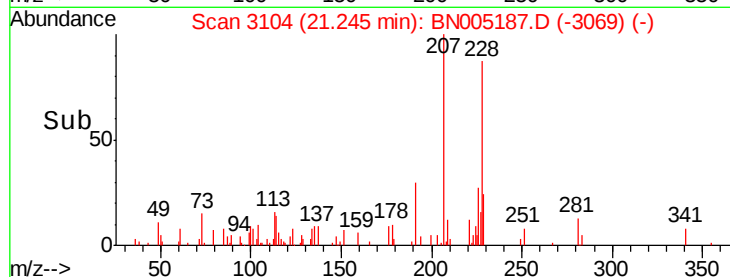
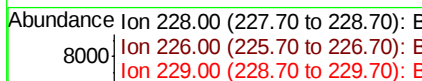
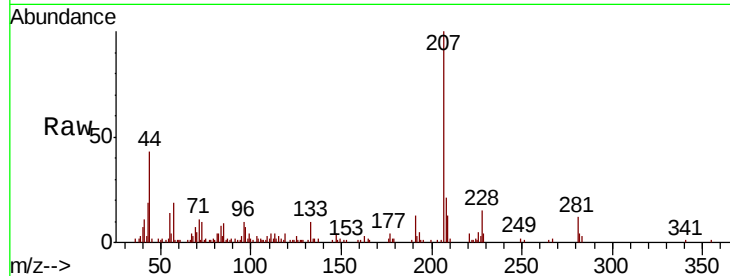
ClientSampleId :

GAHR3

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 228   | Resp: | 7723 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 31.1  | 24.0  | 36.0 |
| 229       | 27.6  | 15.4  | 23.0 |

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#91

Indeno(1,2,3-cd)pyrene

Concen: 9.524 ng/ul

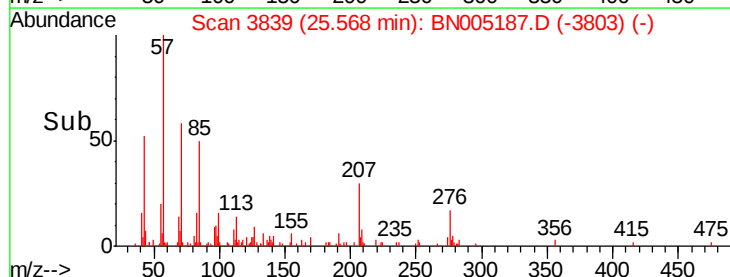
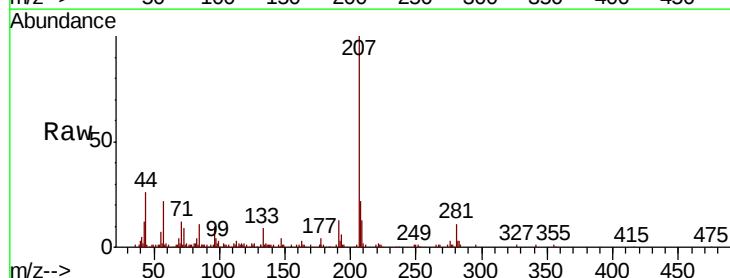
RT: 25.57 min Scan# 3839

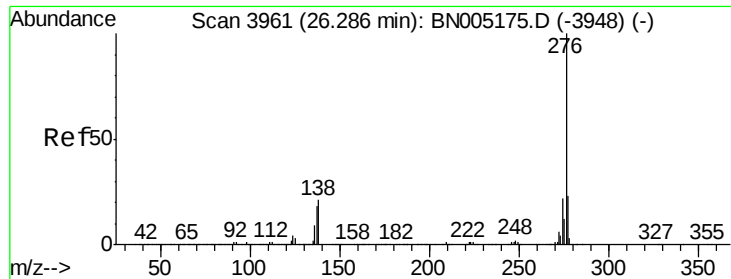
Delta R.T. 0.01 min

Lab File: BN005187.D

Acq: 22 Apr 2019 22:44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 5969 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 30.6  | 17.9  | 26.9 |
| 277       | 16.1  | 19.7  | 29.5 |





#93  
 Benzo(a,h,i)perylene  
 Concen: 10.874 ng/ul  
 RT: 26.23 min Scan# 3951  
 Delta R.T. 0.01 min  
 Lab File: BN005187.D  
 Acq: 22 Apr 2019 22:44

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHR3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.5  | 16.7  | 25.1  |
| 277     | 17.7  | 18.2  | 27.2# |

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