

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071819\  
 Data File : BN006889.D  
 Acq On : 18 Jul 2019 13:48  
 Operator : HP/JU  
 Sample : K3822-10  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BF4B1

Manual Integrations  
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Quant Time: Jul 18 14:42:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 06:39:20 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.58  | 152  | 3499     | 0.40    | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.36 | 136  | 12518    | 0.40    | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.23 | 164  | 11135    | 0.40    | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.99 | 188  | 15462m   | 0.40    | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.23 | 240  | 12278m   | 0.40    | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.46 | 264  | 10694m   | 0.40    | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.95 | 152  | 5757     | 0.30    | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.04 | 212  | 13945m   | 0.31    | ng/ul  | -0.01    |
| Target Compounds            |       |      |          |         |        |          |
|                             |       |      |          |         | Ovalue |          |
| 3) Naphthalene              | 10.42 | 128  | 28361242 | 789.152 | ng/ul  | 97       |
| 5) 2-Methylnaphthalene      | 12.02 | 142  | 2284718  | 94.085  | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.95 | 152  | 302999   | 5.272   | ng/ul# | 96       |
| 8) Acenaphthene             | 14.31 | 153  | 4749040  | 107.207 | ng/ul  | 99       |
| 9) Fluorene                 | 15.29 | 166  | 2361347  | 48.641  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.04 | 178  | 5082770m | 102.189 | ng/ul  |          |
| 13) Anthracene              | 17.13 | 178  | 353928m  | 8.234   | ng/ul  |          |
| 15) Fluoranthene            | 19.07 | 202  | 714016m  | 11.611  | ng/ul  |          |
| 17) Pyrene                  | 19.43 | 202  | 389541   | 6.943   | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 7027     | 0.139   | ng/ul# | 93       |
| 19) Chrysene                | 21.27 | 228  | 2955     | 0.053   | ng/ul# | 50       |

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

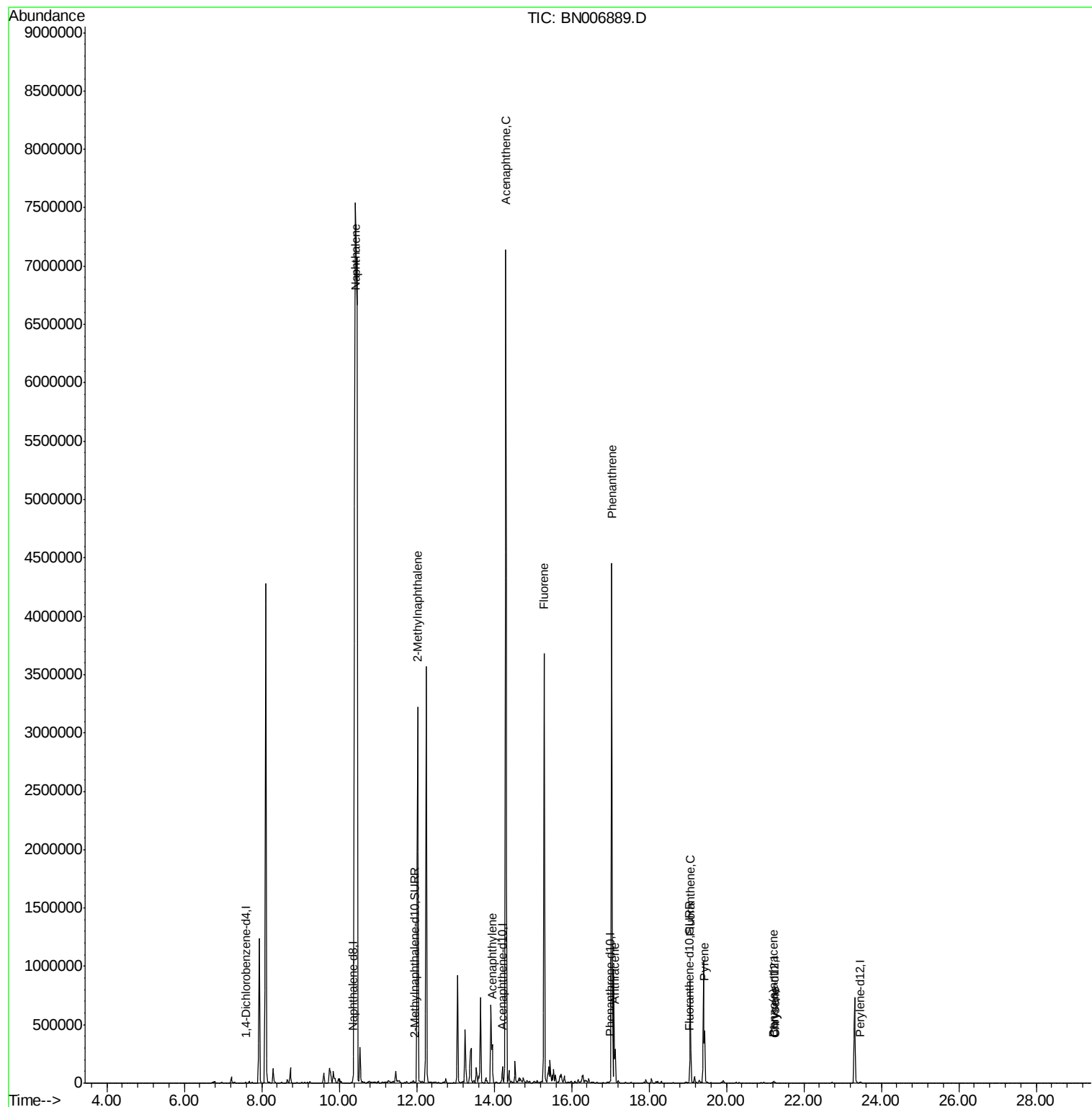
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071819\  
Data File : BN006889.D  
Acq On : 18 Jul 2019 13:48  
Operator : HP/JU  
Sample : K3822-10  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

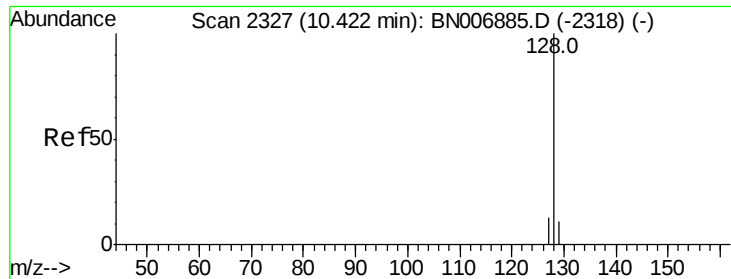
Instrument :  
BNA\_N  
ClientSampleId :  
BF4B1

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Quant Time: Jul 18 14:42:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 06:39:20 2019  
Response via : Initial Calibration





#3

Naphthalene

Concen: 789.152 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

Instrument :

BNA\_N

ClientSampleId :

BF4B1

Tot Ion:128 Resp:28361242

Ion Ratio Lower Upper

128 100

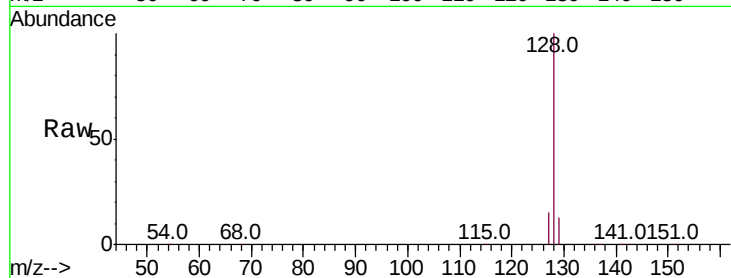
129 13.0 9.4 14.0

127 14.7 10.6 16.0

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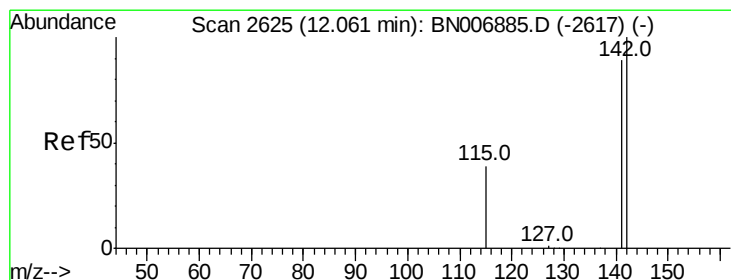
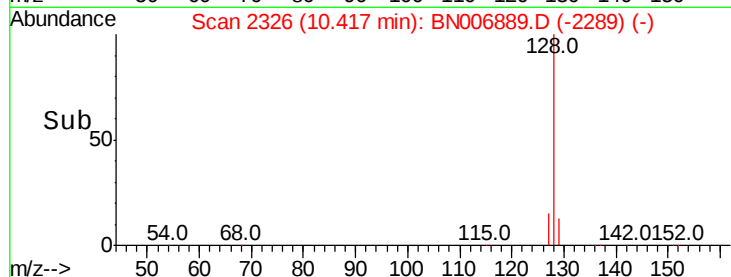
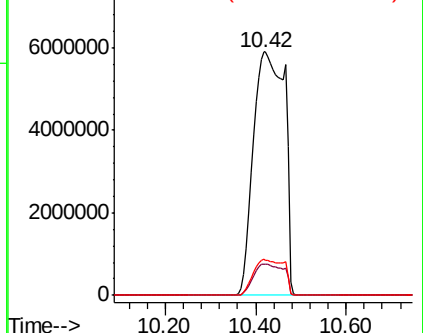
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 94.085 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.02 min

Lab File: BN006889.D

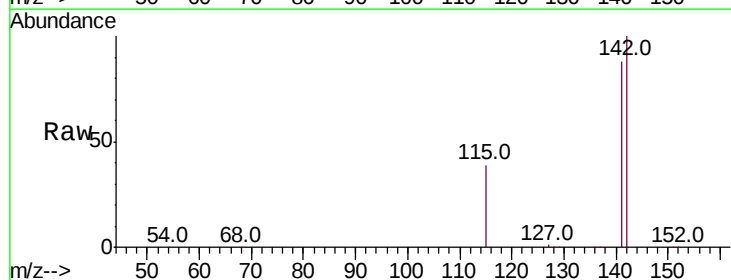
Acq: 18 Jul 2019 13:48

Tgt Ion:142 Resp: 2284718

Ion Ratio Lower Upper

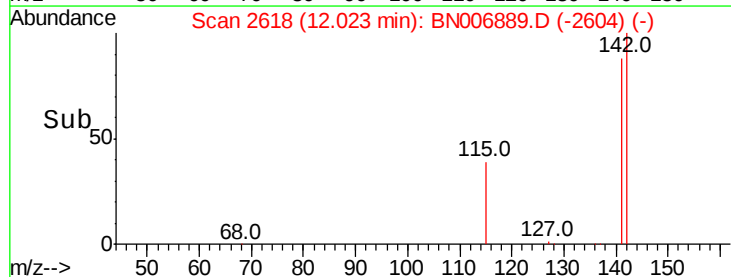
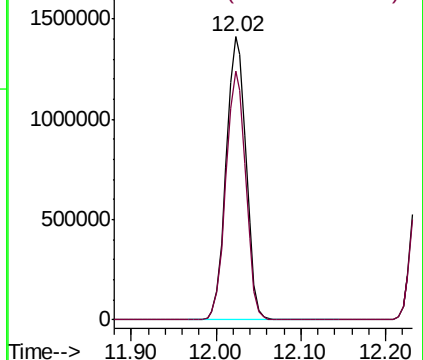
142 100

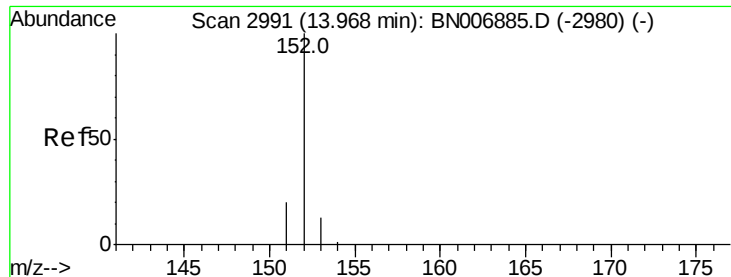
141 87.8 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 5.272 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. -0.01 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

Instrument :

BNA\_N

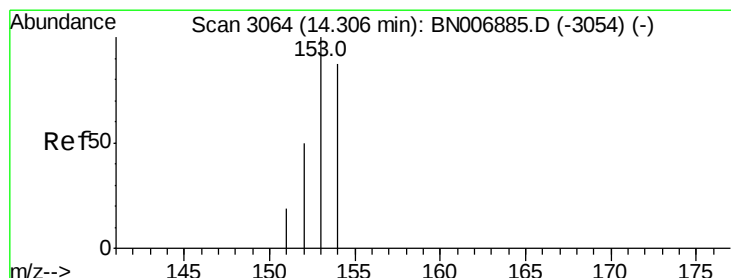
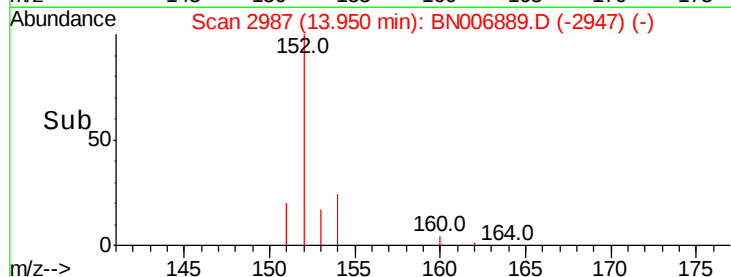
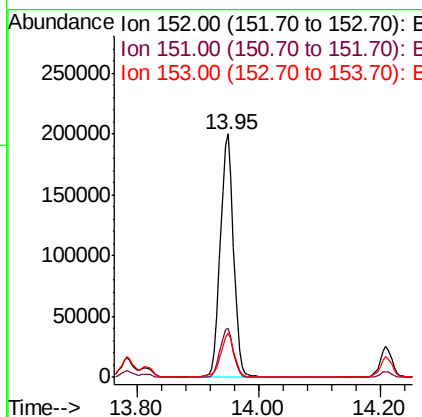
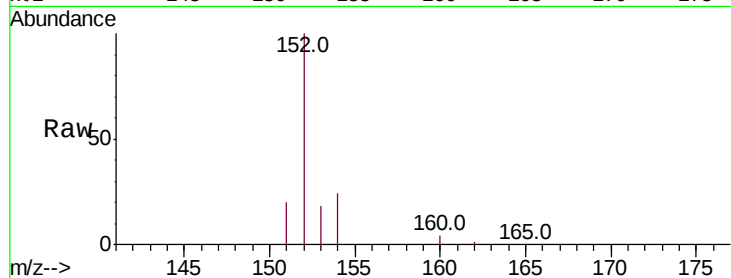
ClientSampled :

BF4B1

| Tot Ion   | 152   | Resp  | 302999 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.2  | 16.1  | 24.1   |
| 153       | 18.2  | 11.2  | 16.8#  |

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#8

Acenaphthene

Concen: 107.207 ng/ul

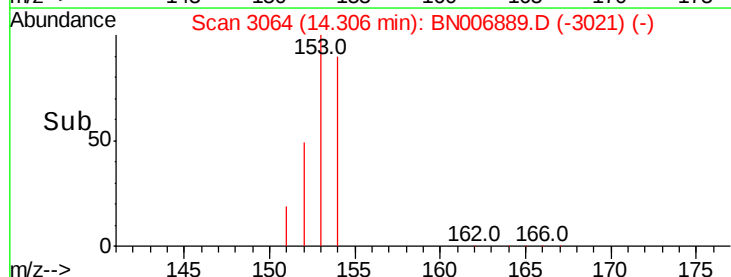
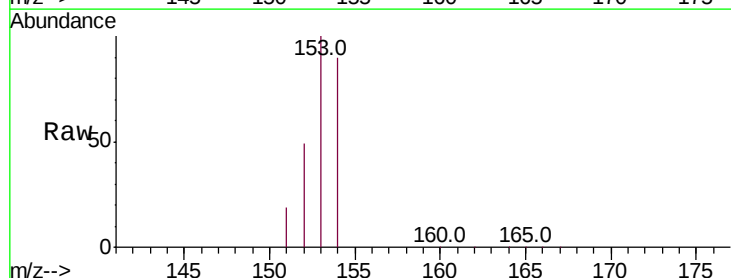
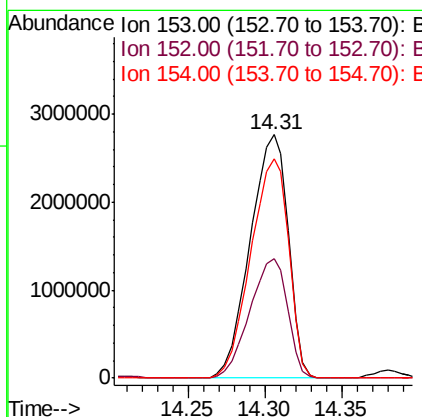
RT: 14.31 min Scan# 3064

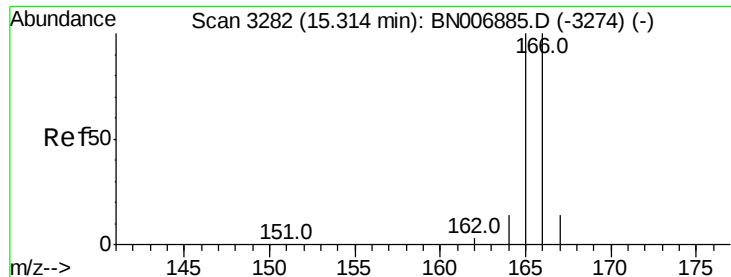
Delta R.T. -0.00 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

| Tgt Ion   | 153   | Resp  | 4749040 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 153       | 100   |       |         |
| 152       | 49.0  | 39.3  | 58.9    |
| 154       | 90.2  | 70.6  | 105.8   |





#9

Fluorene

Concen: 48.641 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.02 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

Instrument :

BNA\_N

ClientSampleId :

BF4B1

Tot Ion:166 Resp: 2361347

Ion Ratio Lower Upper

166 100

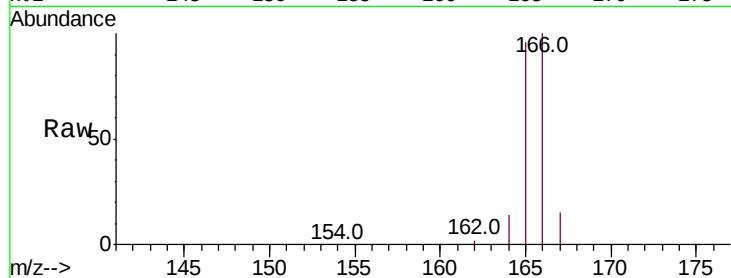
165 96.3 78.2 117.4

167 14.8 11.3 16.9

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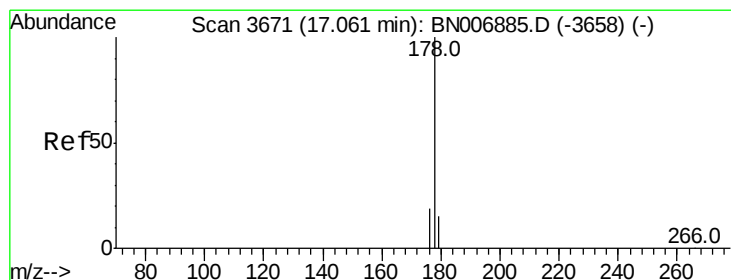
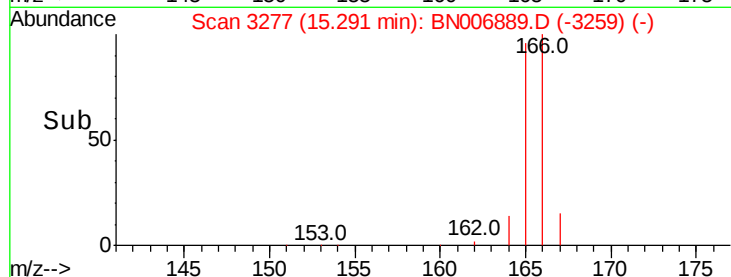
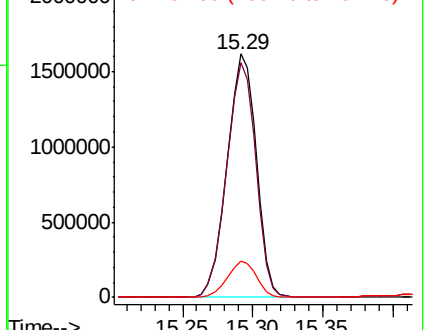


Abundance

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



#12

Phenanthrene

Concen: 102.189 ng/ul m

RT: 17.04 min Scan# 3666

Delta R.T. -0.01 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

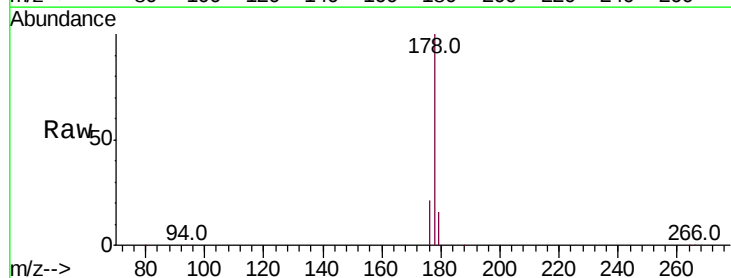
Tgt Ion:178 Resp: 5082770

Ion Ratio Lower Upper

178 100

179 16.5 12.6 19.0

176 20.6 15.8 23.8

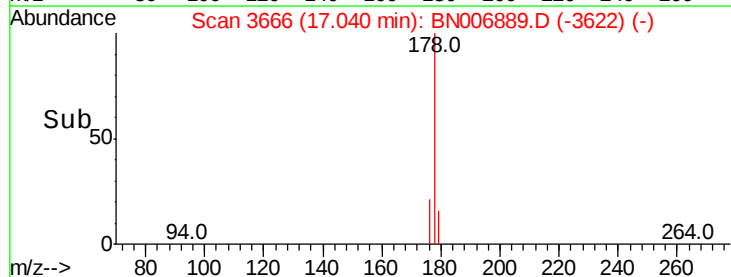
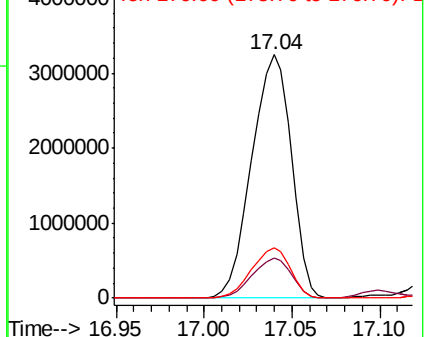


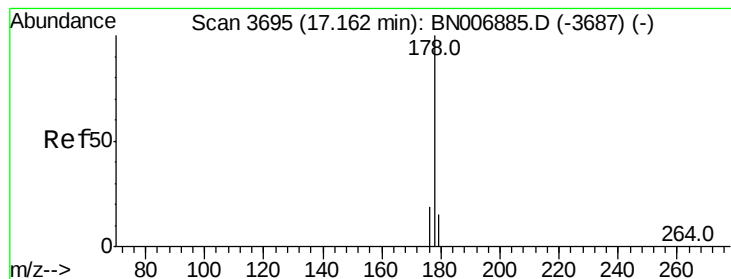
Abundance

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





#13

Anthracene

Concen: 8.234 ng/ul m

RT: 17.13 min Scan# 3687

Delta R.T. -0.02 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

Instrument :

BNA\_N

ClientSampleId :

BF4B1

Tot Ion:178 Resp: 353928

Ion Ratio Lower Upper

178 100

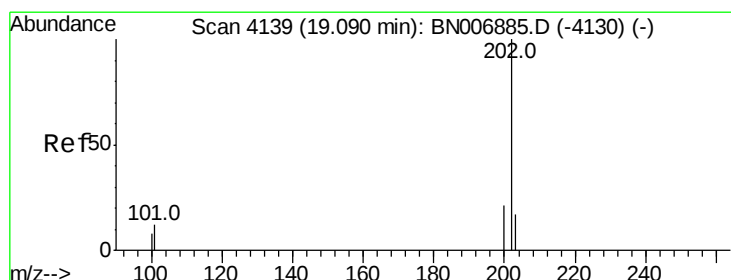
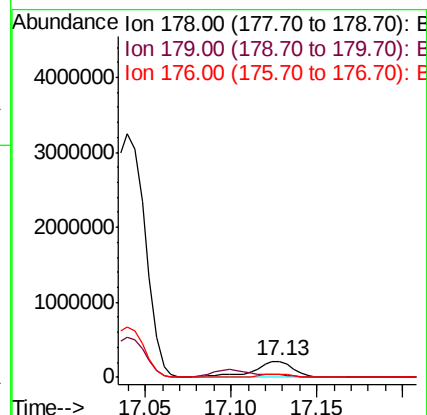
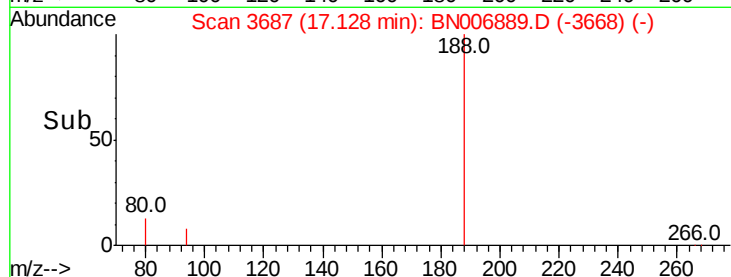
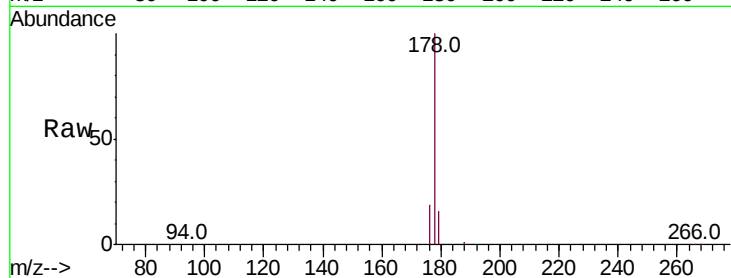
179 16.3 12.7 19.1

176 18.7 15.8 23.6

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#15

Fluoranthene

Concen: 11.611 ng/ul m

RT: 19.07 min Scan# 4134

Delta R.T. -0.02 min

Lab File: BN006889.D

Acq: 18 Jul 2019 13:48

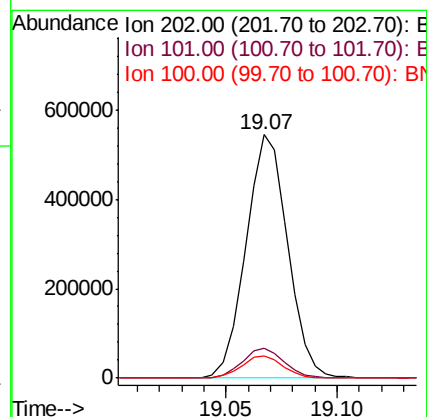
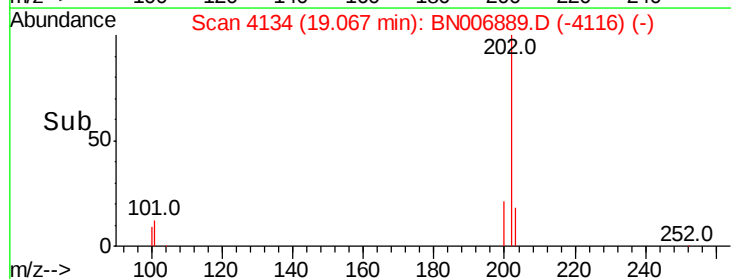
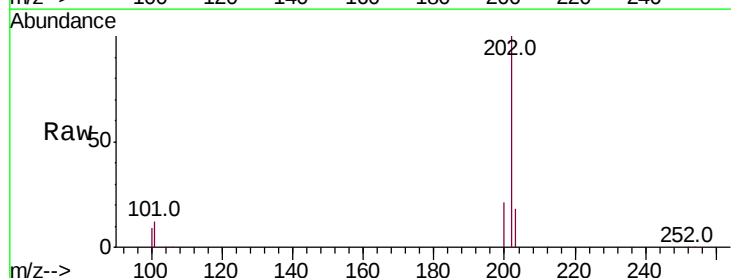
Tgt Ion:202 Resp: 714016

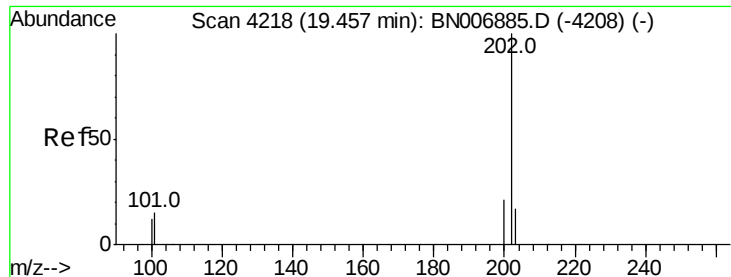
Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

100 9.2 0.0 29.9





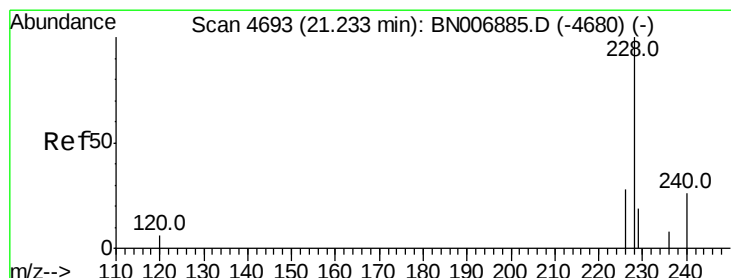
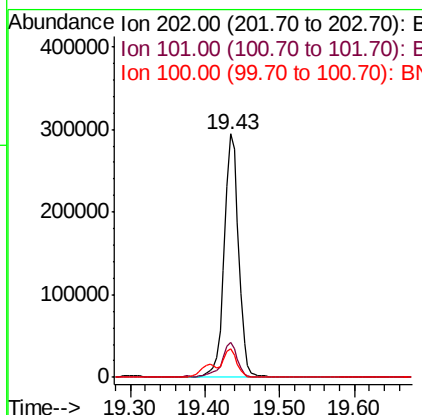
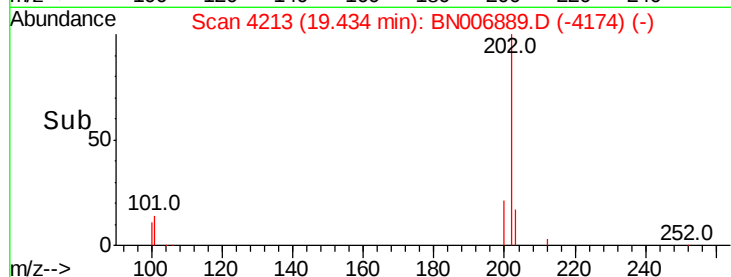
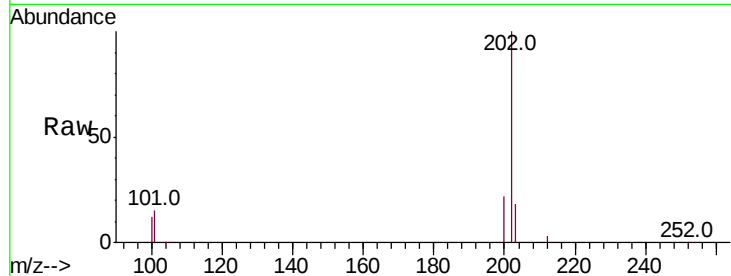
#17  
Pvrene  
Concen: 6.943 ng/ul  
RT: 19.43 min Scan# 4213  
Delta R.T. -0.02 min  
Lab File: BN006889.D  
Acq: 18 Jul 2019 13:48

Instrument :  
BNA\_N  
ClientSampleId :  
BF4B1

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 14.5  | 12.2       | 18.2  |
| 100     | 11.5  | 9.8        | 14.8  |

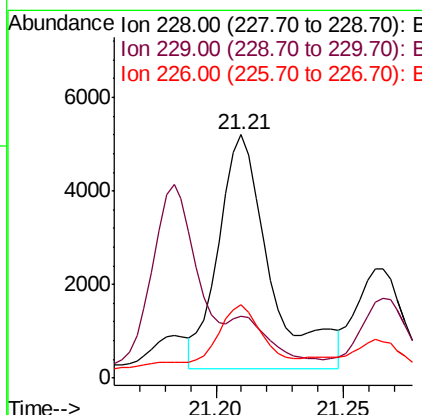
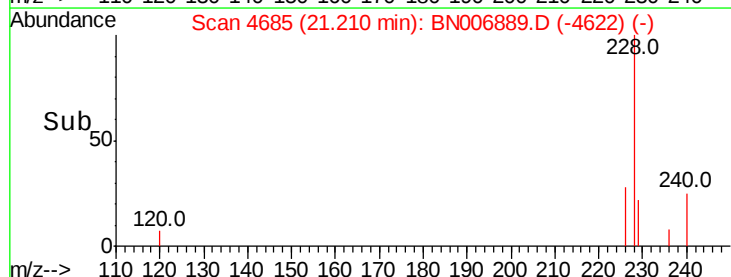
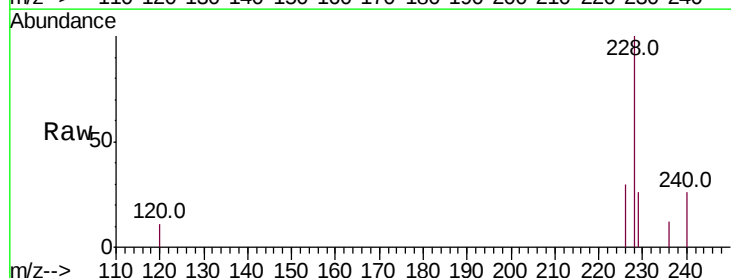
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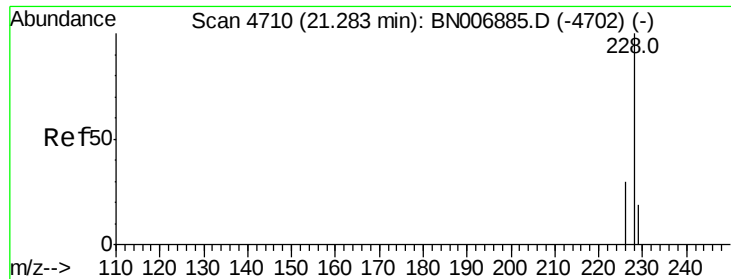
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#18  
Benzo(a)anthracene  
Concen: 0.139 ng/ul  
RT: 21.21 min Scan# 4685  
Delta R.T. -0.01 min  
Lab File: BN006889.D  
Acq: 18 Jul 2019 13:48

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 229     | 25.6  | 15.9       | 23.9# |
| 226     | 30.4  | 22.6       | 34.0  |





#19  
 Chrvsene  
 Concen: 0.053 ng/ul  
 RT: 21.27 min Scan# 4704  
 Delta R.T. -0.01 min  
 Lab File: BN006889.D  
 Acq: 18 Jul 2019 13:48

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BF4B1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 2955  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 33.7  | 24.2  | 36.4  |
| 229       | 72.8  | 15.5  | 23.3# |

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