

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071819\  
 Data File : BN006915.D  
 Acq On : 19 Jul 2019 06:01  
 Operator : HP/JU  
 Sample : K3764-22  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A52H1

Manual Integrations  
 APPROVED

mohammad  
 7/19/2019 4:00:14 PM

Quant Time: Jul 19 06:47:05 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 19 03:57:16 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.58  | 152  | 3566     | 0.40   | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.35 | 136  | 12907    | 0.40   | ng/ul  | -0.02    |
| 6) Acenaphthene-d10         | 14.23 | 164  | 6515     | 0.40   | ng/ul  | -0.01    |
| 10) Phenanthrene-d10        | 17.00 | 188  | 14069m   | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.23 | 240  | 11669m   | 0.40   | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.45 | 264  | 10513m   | 0.40   | ng/ul  | -0.03    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.98 | 152  | 4616     | 0.23   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.05 | 212  | 10739m   | 0.26   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 15) Fluoranthene            | 19.08 | 202  | 3052m    | 0.055  | ng/ul  |          |
| 17) Pyrene                  | 19.43 | 202  | 2900     | 0.054  | ng/ul# | 87       |
| 18) Benzo(a)anthracene      | 21.22 | 228  | 1760     | 0.037  | ng/ul# | 90       |
| 19) Chrysene                | 21.27 | 228  | 1938     | 0.036  | ng/ul# | 91       |
| 21) Benzo(b)fluoranthene    | 22.80 | 252  | 1810     | 0.042  | ng/ul# | 58       |
| 23) Benzo(a)pyrene          | 23.34 | 252  | 1324m    | 0.031  | ng/ul  |          |

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

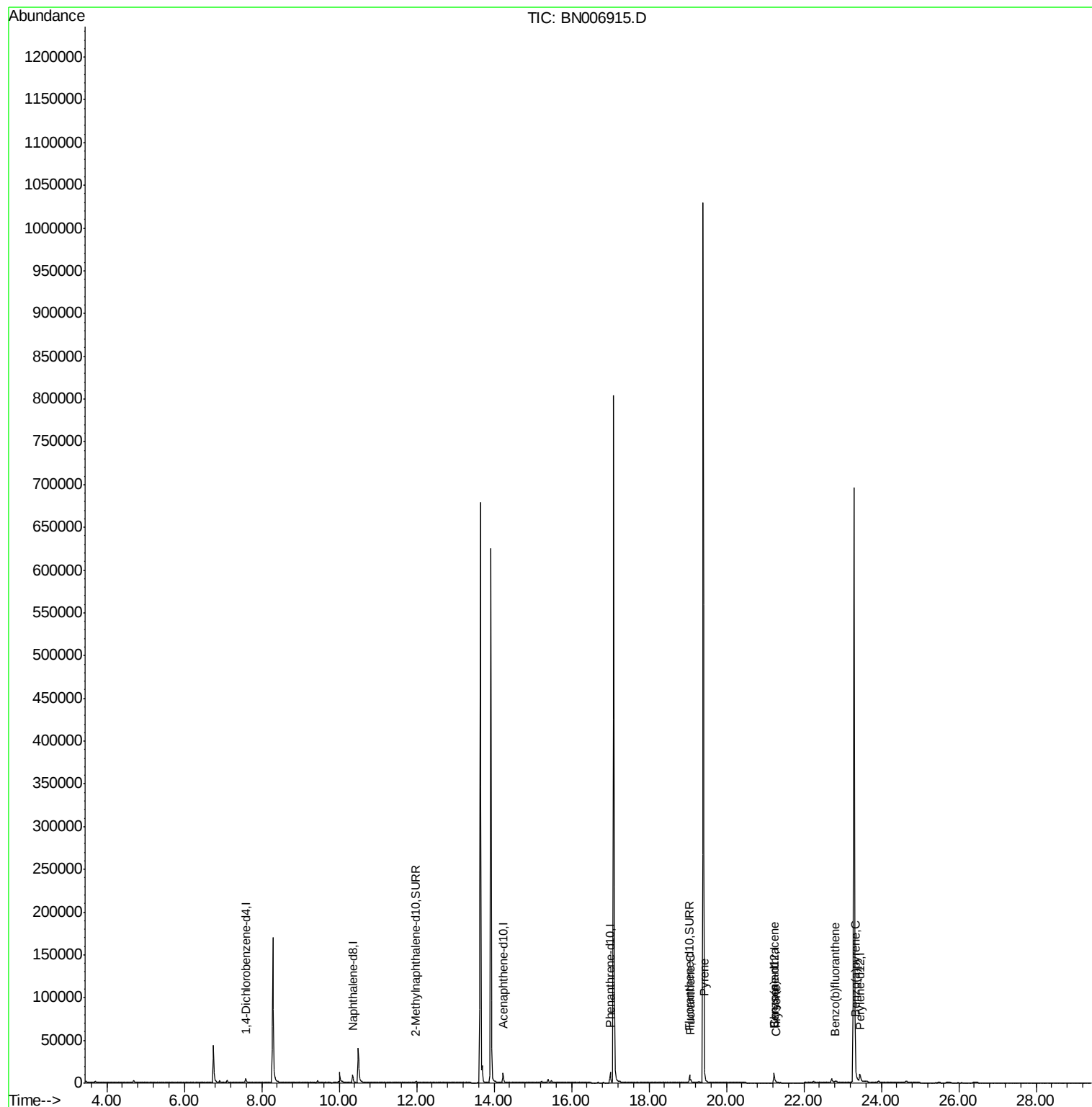
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071819\  
Data File : BN006915.D  
Acq On : 19 Jul 2019 06:01  
Operator : HP/JU  
Sample : K3764-22  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

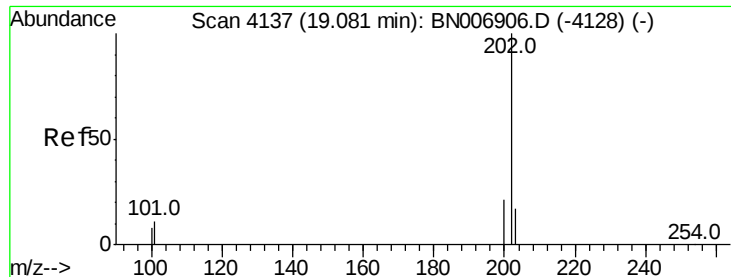
Instrument :  
BNA\_N  
ClientSampleId :  
A52H1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M  
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QLast Update : Fri Jul 19 03:57:16 2019  
Response via : Initial Calibration





#15

Fluoranthene

Concen: 0.055 ng/ul m

RT: 19.08 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN006915.D

Acq: 19 Jul 2019 06:01

Instrument :

BNA\_N

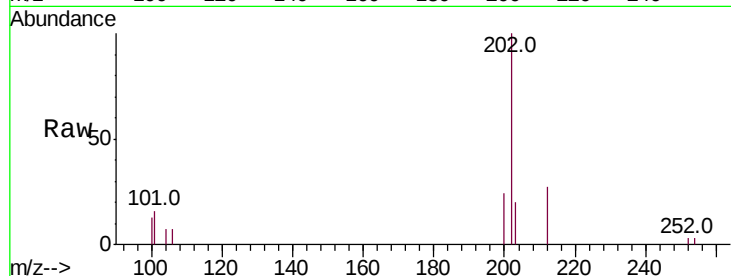
ClientSampleId :

A52H1

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 3052 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 16.0  | 0.0   | 33.2 |
| 100       | 12.8  | 0.0   | 29.9 |

Manual Integrations  
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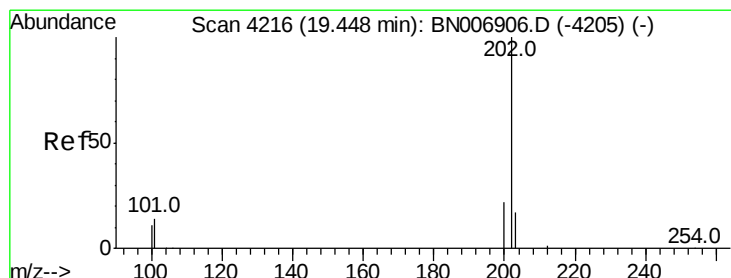
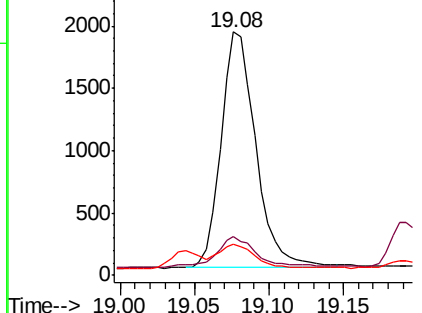
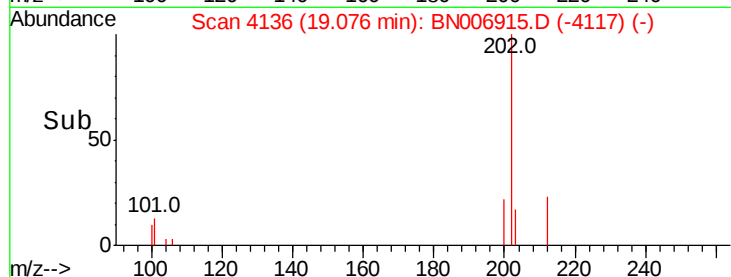
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.054 ng/ul

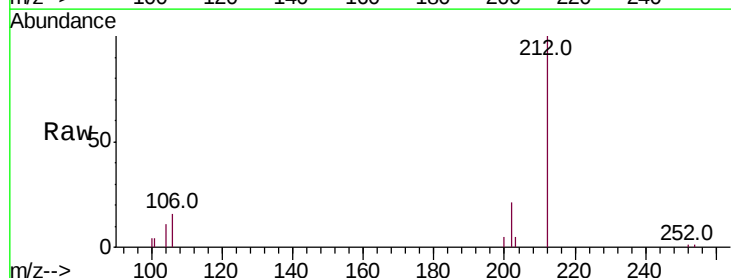
RT: 19.43 min Scan# 4213

Delta R.T. -0.02 min

Lab File: BN006915.D

Acq: 19 Jul 2019 06:01

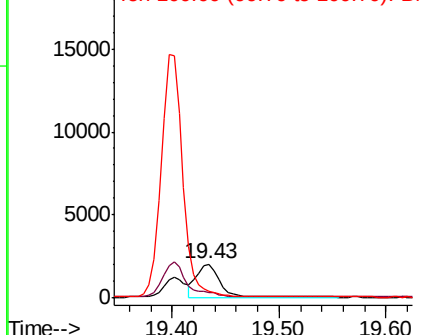
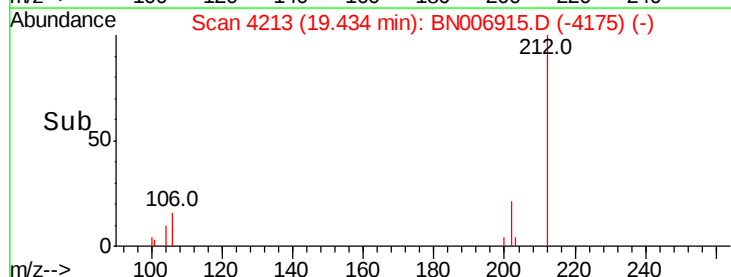
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 2900  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 17.8  | 12.2  | 18.2  |
| 100       | 20.7  | 9.8   | 14.8# |

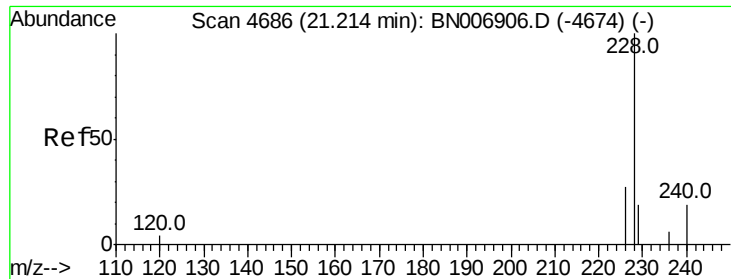


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.037 ng/ul

RT: 21.22 min Scan# 4688

Delta R.T. -0.01 min

Lab File: BN006915.D

Acq: 19 Jul 2019 06:01

Instrument :

BNA\_N

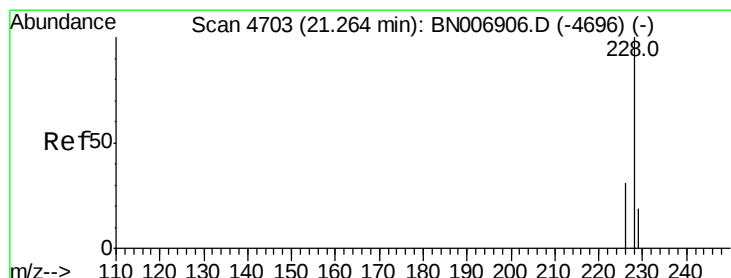
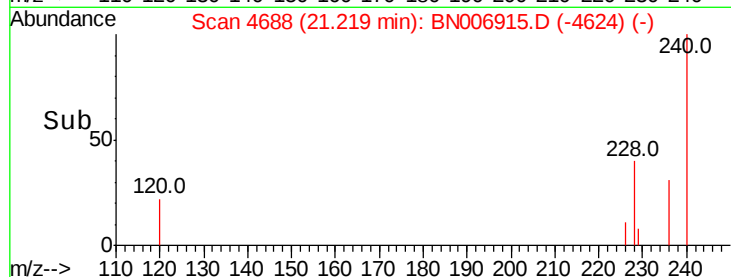
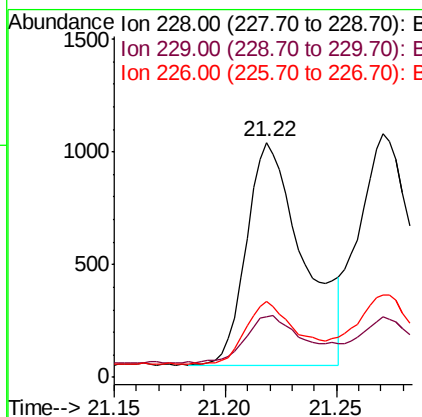
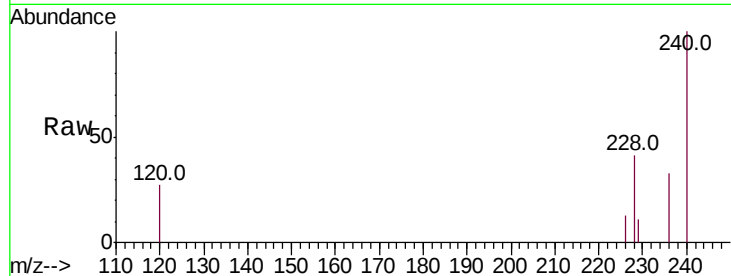
ClientSampleId :

A52H1

|             |       |            |
|-------------|-------|------------|
| Tot Ion:228 | Resp: | 1760       |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 229         | 26.0  | 15.9 23.9# |
| 226         | 32.3  | 22.6 34.0  |

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#19

Chrysene

Concen: 0.036 ng/ul

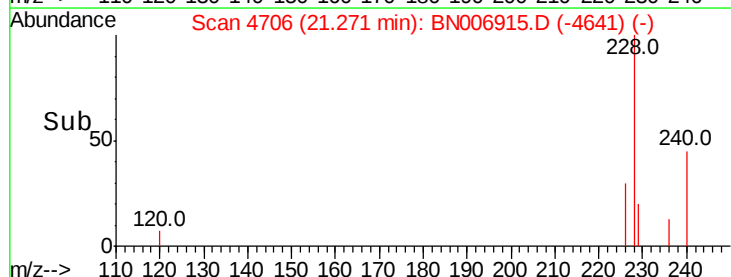
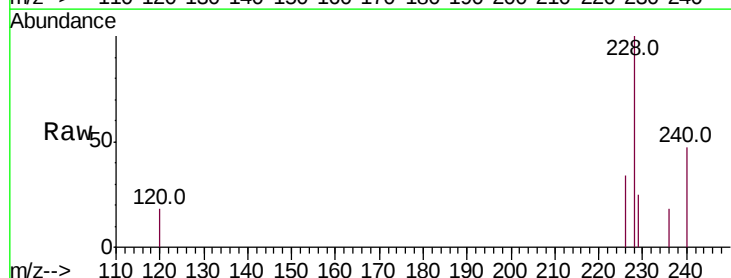
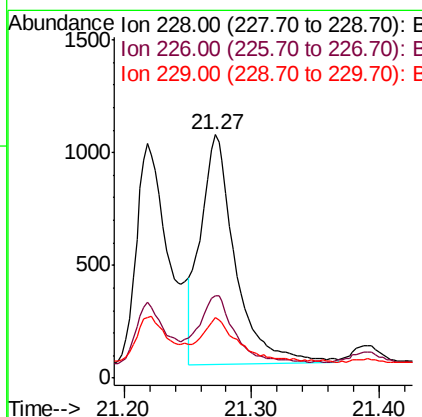
RT: 21.27 min Scan# 4706

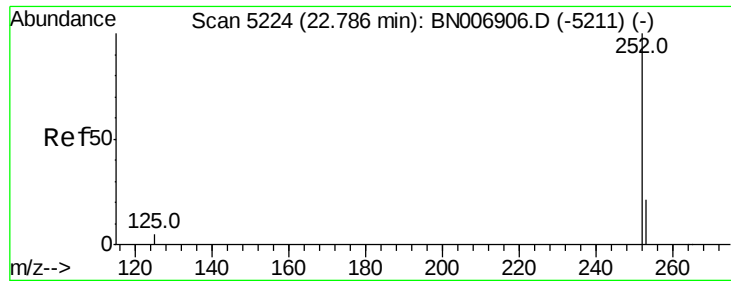
Delta R.T. -0.01 min

Lab File: BN006915.D

Acq: 19 Jul 2019 06:01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:228 | Resp: | 1938       |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 226         | 34.1  | 24.2 36.4  |
| 229         | 24.8  | 15.5 23.3# |





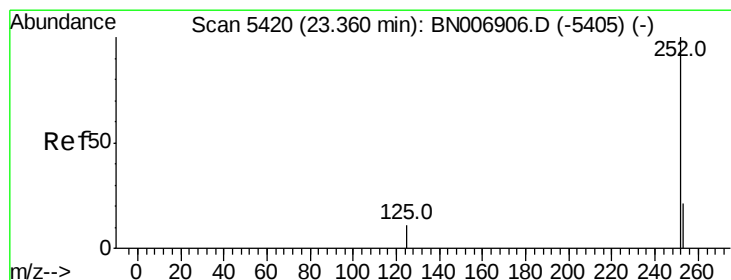
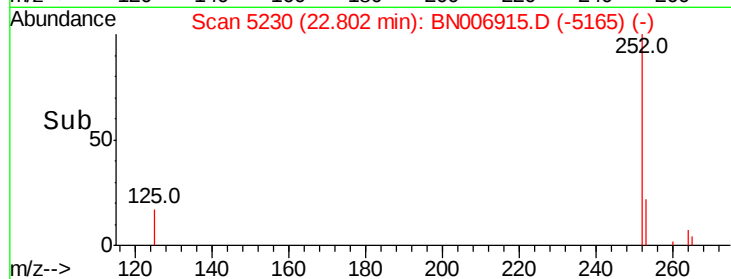
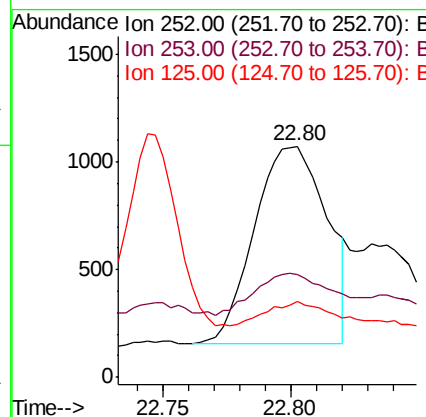
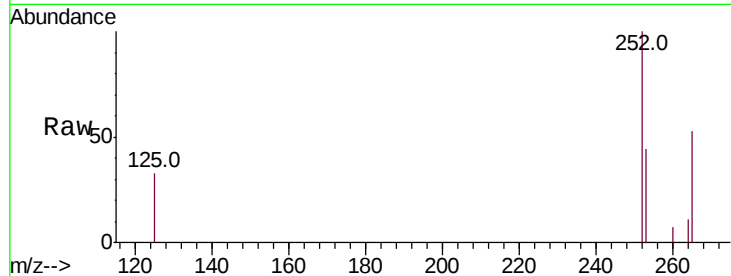
#21  
Benzo(b)fluoranthene  
Concen: 0.042 ng/ul  
RT: 22.80 min Scan# 5230  
Delta R.T. -0.01 min  
Lab File: BN006915.D  
Acq: 19 Jul 2019 06:01

Instrument :  
BNA\_N  
ClientSampled :  
A52H1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 44.4  | 0.0   | 47.8  |
| 125     | 32.7  | 0.0   | 29.2# |

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#23  
Benzo(a)pyrene  
Concen: 0.031 ng/ul m  
RT: 23.34 min Scan# 5414  
Delta R.T. -0.05 min  
Lab File: BN006915.D  
Acq: 19 Jul 2019 06:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 54.7  | 19.4  | 29.2# |
| 125     | 37.8  | 12.6  | 19.0# |

