

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121518\  
 Data File : BN003986.D  
 Acq On : 16 Dec 2018 08:16  
 Operator : JU/SJ  
 Sample : J6171-01DL 5X  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9Y05DL

Manual Integrations  
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Quant Time: Dec 17 00:48:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 17 00:13:33 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 3084     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.64 | 136  | 14082    | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.48 | 164  | 7715     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.22 | 188  | 18448    | 0.40  | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.41 | 240  | 18693    | 0.40  | ng/ul  | 0.01     |
| 20) Perylene-d12            | 23.73 | 264  | 16346    | 0.40  | ng/ul  | 0.02     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 932      | 0.04  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.25 | 212  | 2375     | 0.04  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 12) Phenanthrene            | 17.26 | 178  | 3024     | 0.050 | ng/ul# | 78       |
| 15) Fluoranthene            | 19.28 | 202  | 3189     | 0.045 | ng/ul  | 82       |
| 17) Pyrene                  | 19.64 | 202  | 4807     | 0.072 | ng/ul# | 86       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 1899     | 0.032 | ng/ul# | 1        |
| 19) Chrysene                | 21.44 | 228  | 3462m    | 0.051 | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.03 | 252  | 5427m    | 0.080 | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.07 | 252  | 1662m    | 0.025 | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.63 | 252  | 2084     | 0.036 | ng/ul# | 1        |
| 24) Indeno(1,2,3-cd)pyrene  | 26.10 | 276  | 4698     | 0.070 | ng/ul# | 90       |
| 26) Benzo(g,h,i)perylene    | 26.83 | 276  | 15318    | 0.262 | ng/ul# | 56       |

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

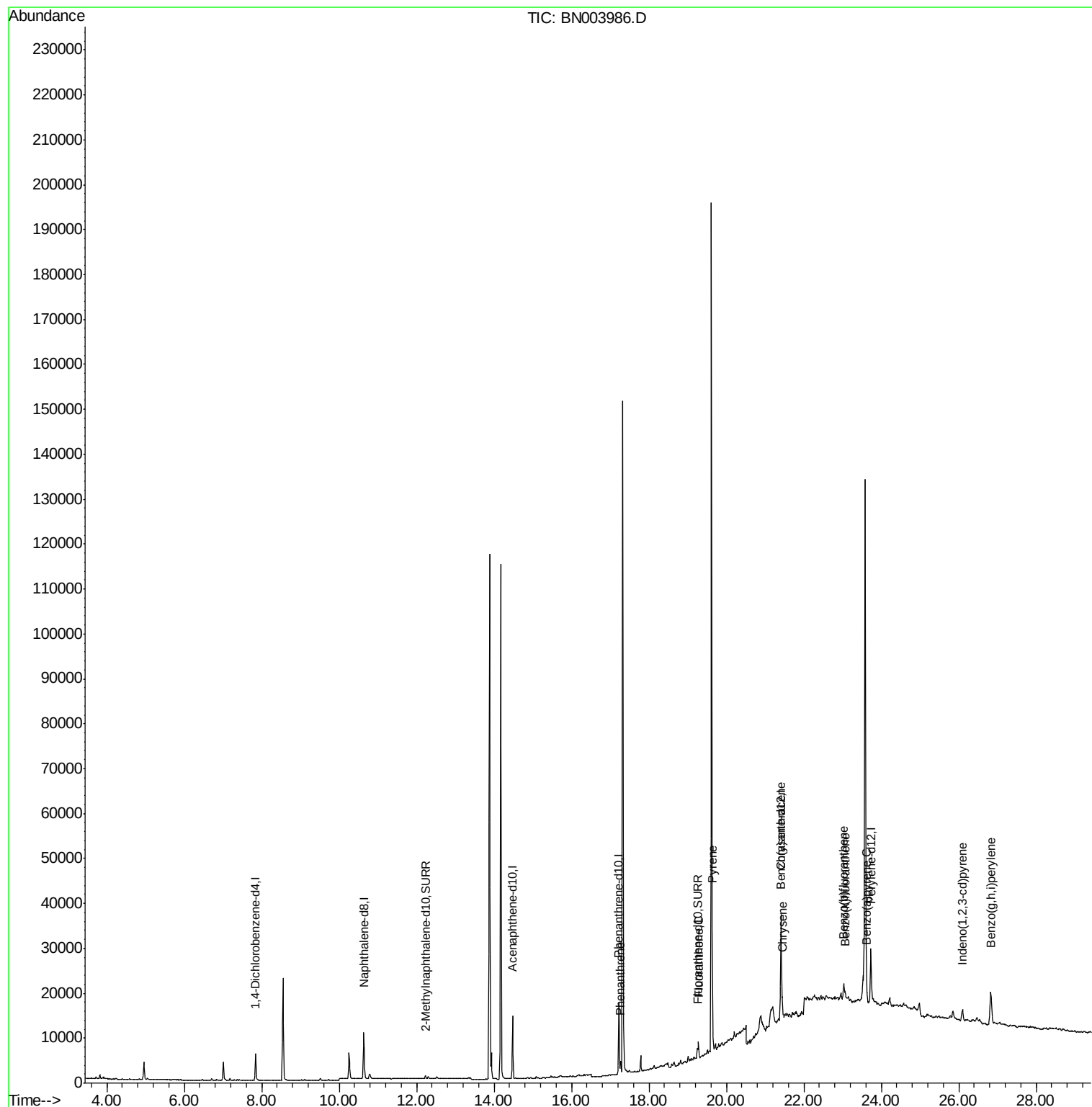
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121518\  
Data File : BN003986.D  
Acq On : 16 Dec 2018 08:16  
Operator : JU/SJ  
Sample : J6171-01DL 5X  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

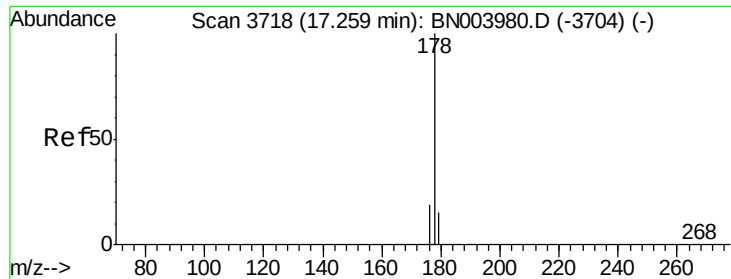
Instrument :  
BNA\_N  
ClientSampleId :  
F9Y05DL

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Quant Time: Dec 17 00:48:03 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 17 00:13:33 2018  
Response via : Initial Calibration





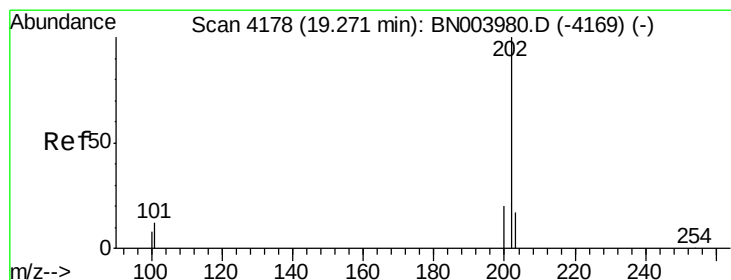
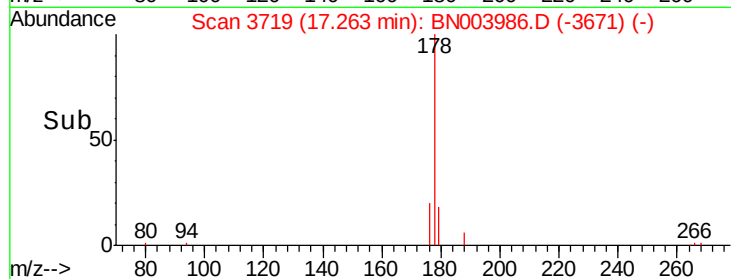
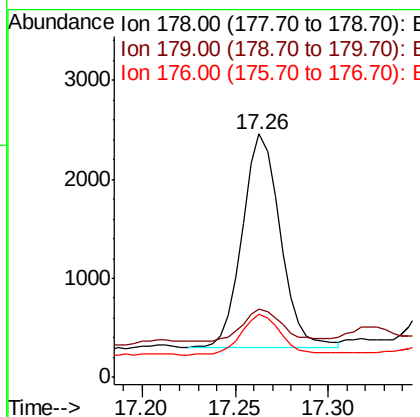
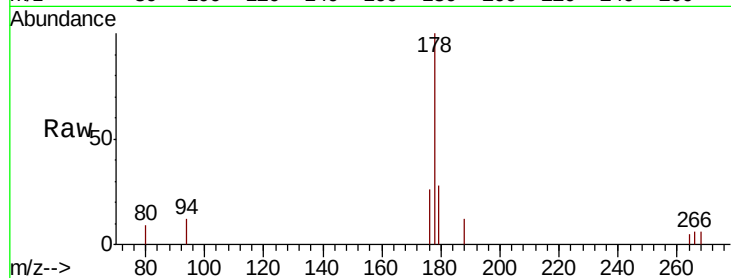
#12  
Phenanthrene  
Concen: 0.050 ng/ul  
RT: 17.26 min Scan# 3719  
Delta R.T. 0.00 min  
Lab File: BN003986.D  
Acq: 16 Dec 2018 08:16

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y05DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 28.0  | 12.5  | 18.7# |
| 176     | 26.1  | 15.0  | 22.4# |

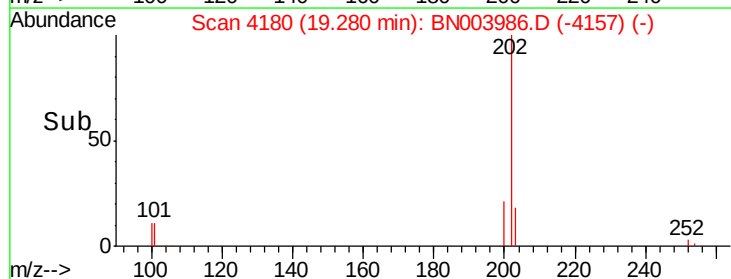
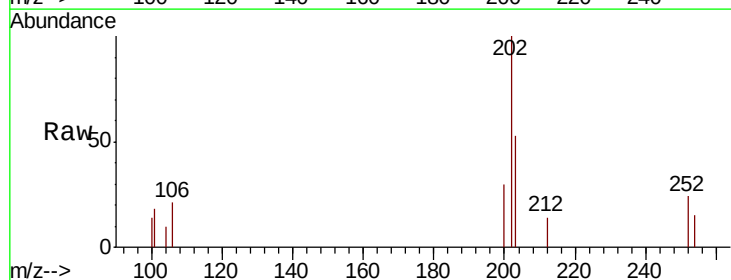
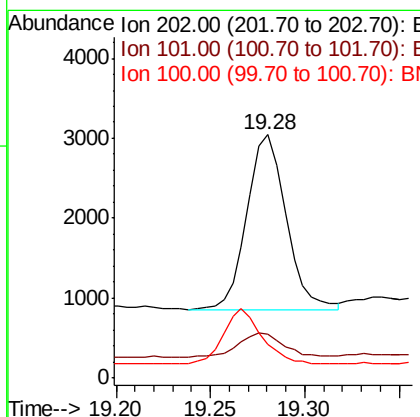
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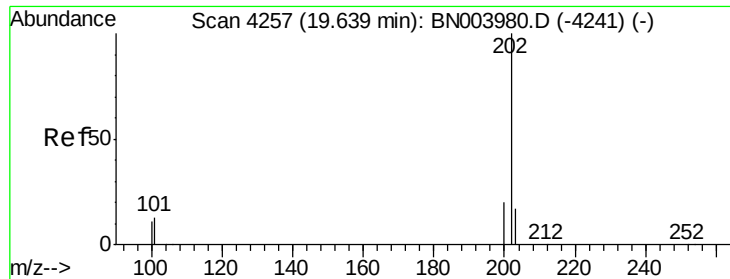
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#15  
Fluoranthene  
Concen: 0.045 ng/ul  
RT: 19.28 min Scan# 4180  
Delta R.T. 0.01 min  
Lab File: BN003986.D  
Acq: 16 Dec 2018 08:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 18.0  | 0.0   | 30.7  |
| 100     | 14.0  | 0.0   | 28.1  |





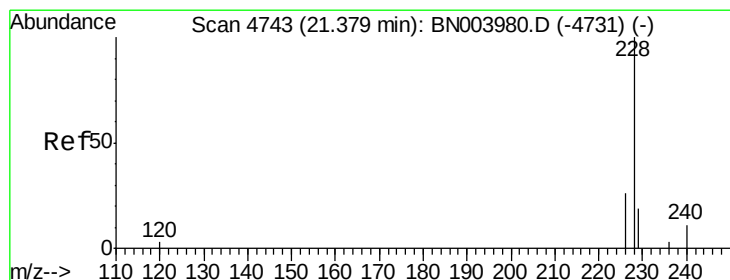
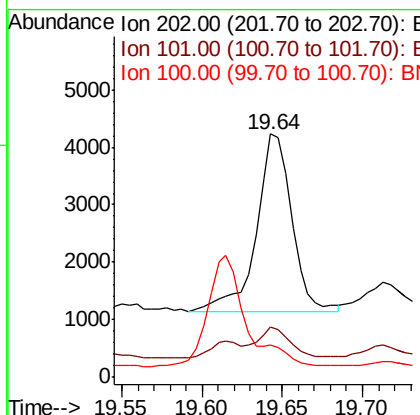
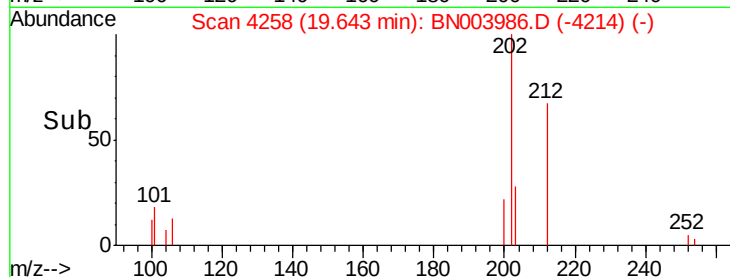
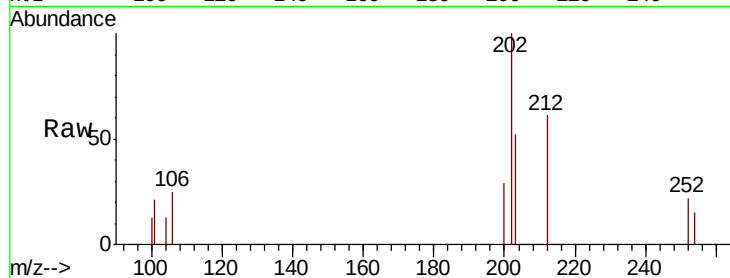
#17  
Pvrene  
Concen: 0.072 ng/ul  
RT: 19.64 min Scan# 4258  
Delta R.T. 0.00 min  
Lab File: BN003986.D  
Acq: 16 Dec 2018 08:16

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y05DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 20.6  | 10.3  | 15.5# |
| 100     | 13.3  | 8.5   | 12.7# |

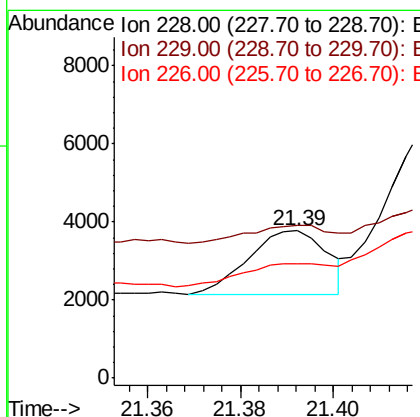
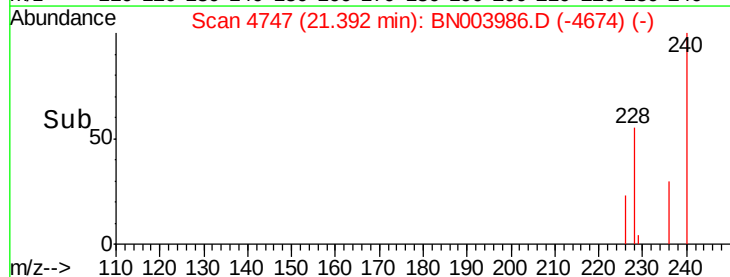
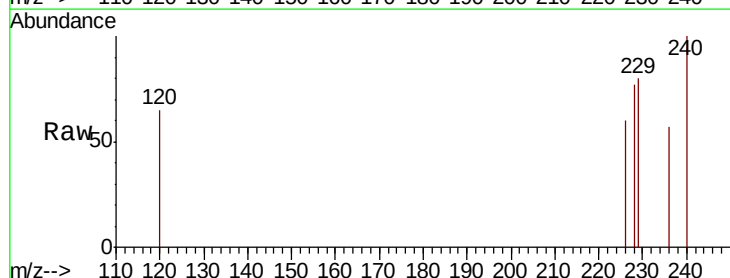
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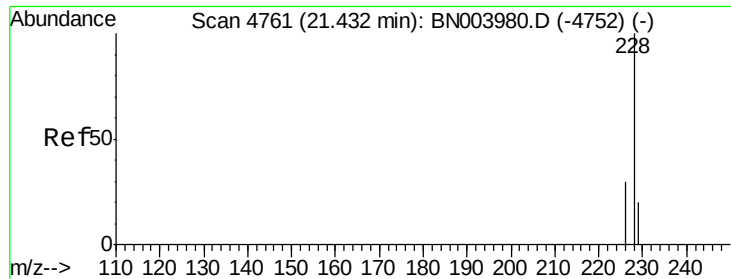
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#18  
Benzo(a)anthracene  
Concen: 0.032 ng/ul  
RT: 21.39 min Scan# 4747  
Delta R.T. 0.01 min  
Lab File: BN003986.D  
Acq: 16 Dec 2018 08:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 103.3 | 15.6  | 23.4# |
| 226     | 77.8  | 21.1  | 31.7# |





#19

Chrysene

Concen: 0.051 ng/ul m

RT: 21.44 min Scan# 4764

Delta R.T. 0.01 min

Lab File: BN003986.D

Acq: 16 Dec 2018 08:16

Instrument :

BNA\_N

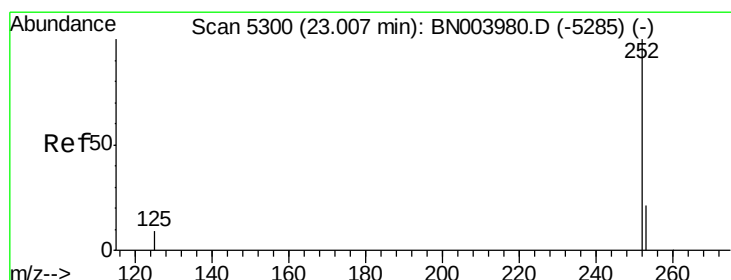
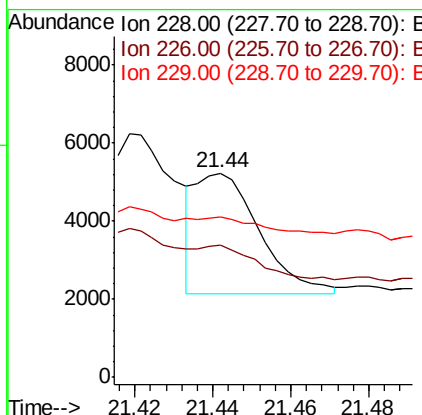
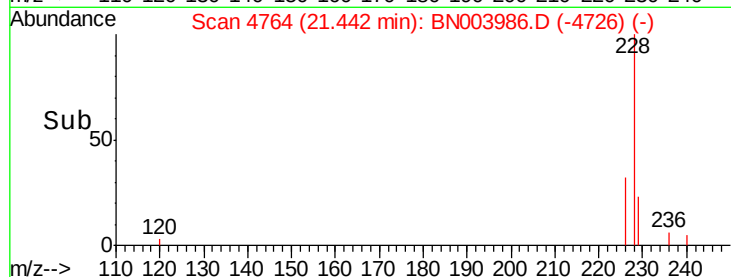
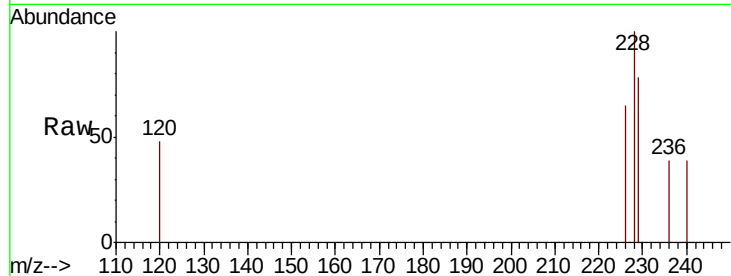
ClientSampled :

F9Y05DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 3462  |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 64.6  | 24.0  | 36.0# |
| 229       | 78.4  | 15.7  | 23.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.080 ng/ul m

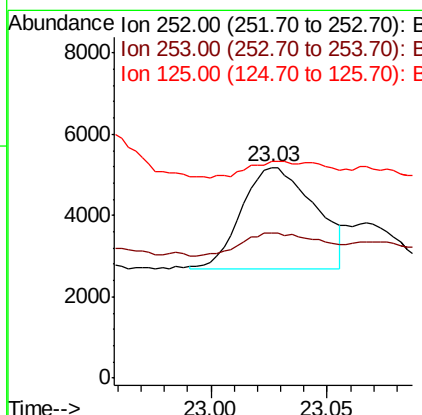
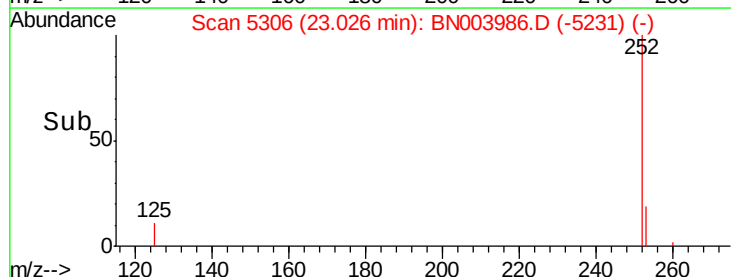
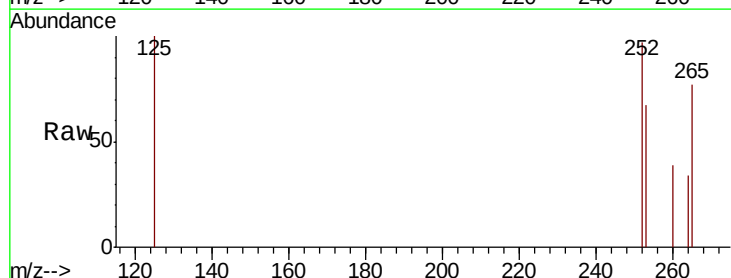
RT: 23.03 min Scan# 5306

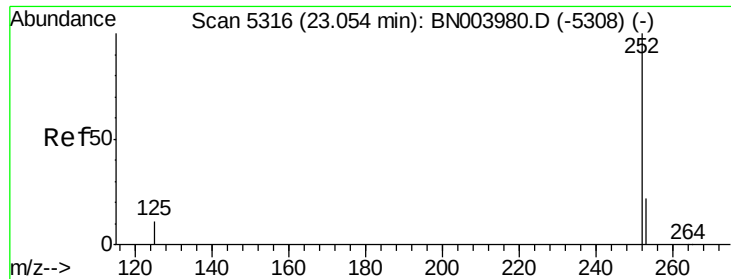
Delta R.T. 0.02 min

Lab File: BN003986.D

Acq: 16 Dec 2018 08:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 5427  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 69.0  | 0.0   | 46.0# |
| 125       | 103.1 | 0.0   | 22.4# |





#22

Benzo(k)fluoranthene

Concen: 0.025 ng/ul m

RT: 23.07 min Scan# 5320

Delta R.T. 0.01 min

Lab File: BN003986.D

Acq: 16 Dec 2018 08:16

Instrument :

BNA\_N

ClientSampleId :

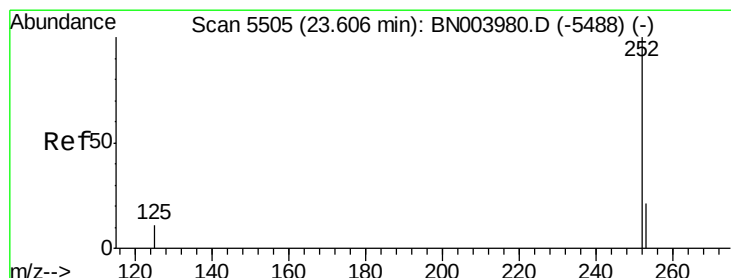
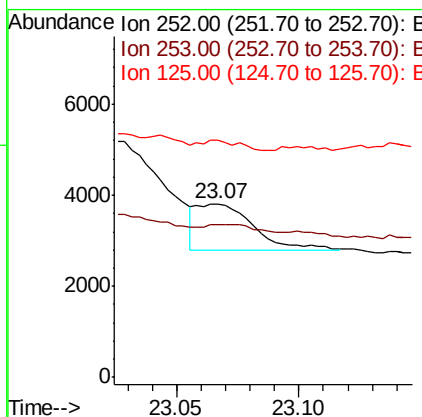
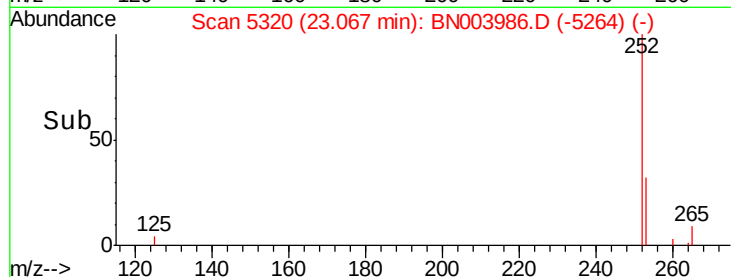
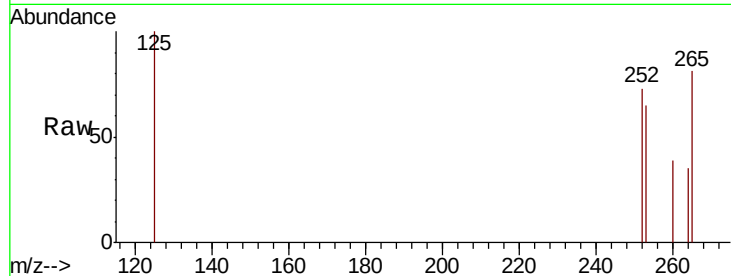
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Tot Ion:252 Resp: 1662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 88.3  | 18.5  | 27.7# |
| 125 | 136.7 | 9.0   | 13.6# |

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#23

Benzo(a)pyrene

Concen: 0.036 ng/ul

RT: 23.63 min Scan# 5513

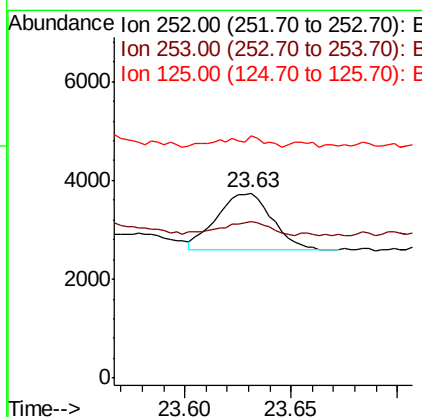
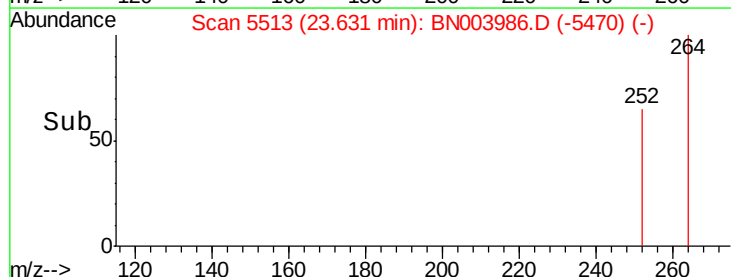
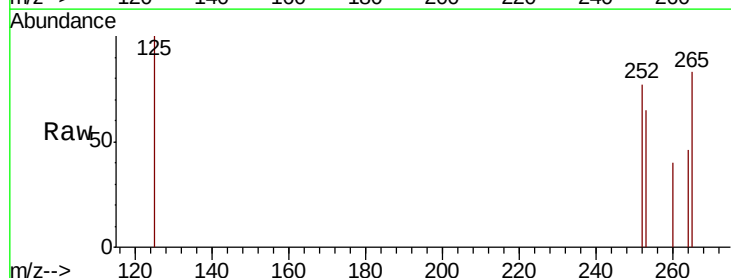
Delta R.T. 0.02 min

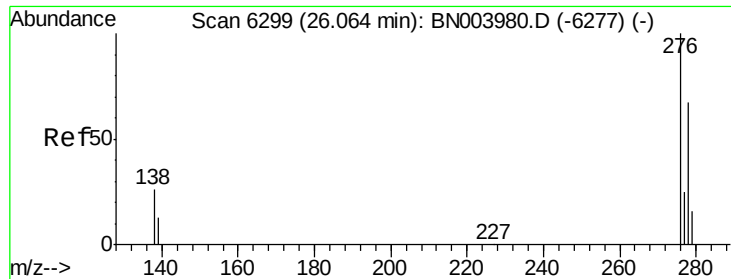
Lab File: BN003986.D

Acq: 16 Dec 2018 08:16

Tgt Ion:252 Resp: 2084

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 84.5  | 19.0  | 28.4# |
| 125 | 130.5 | 10.2  | 15.4# |





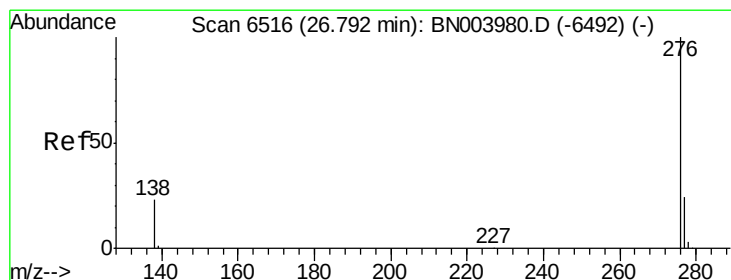
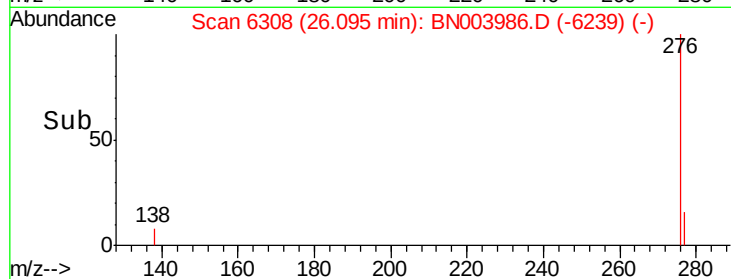
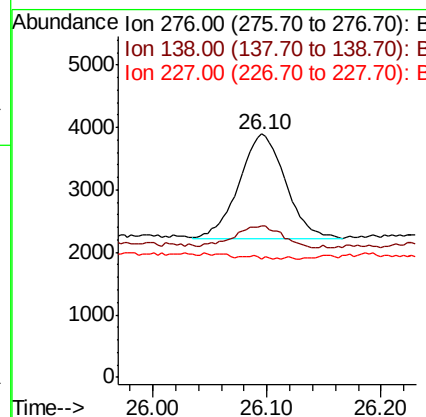
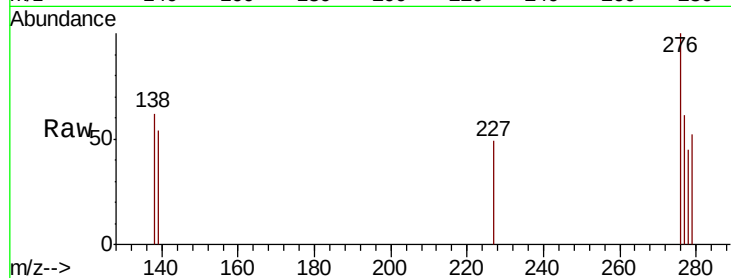
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.070 ng/ul  
 RT: 26.10 min Scan# 6308  
 Delta R.T. 0.03 min  
 Lab File: BN003986.D  
 Acq: 16 Dec 2018 08:16

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9Y05DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.2  | 20.3  | 30.5# |
| 227     | 1.3   | 0.2   | 0.2#  |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.262 ng/ul  
 RT: 26.83 min Scan# 6526  
 Delta R.T. 0.03 min  
 Lab File: BN003986.D  
 Acq: 16 Dec 2018 08:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 44.3  | 17.7  | 26.5# |
| 277     | 44.8  | 19.3  | 28.9# |

