

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\  
 Data File : BN008283.D  
 Acq On : 21 Oct 2019 15:12  
 Operator : JU  
 Sample : K5199-15  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEP82

Manual Integrations  
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Quant Time: Oct 21 18:35:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 21 16:47:07 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.59  | 152  | 1708     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.35 | 136  | 8182     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.22 | 164  | 5086     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.97 | 188  | 11187m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.18 | 240  | 11082    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.35 | 264  | 13519    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.96 | 152  | 3503     | 0.25   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.01 | 212  | 10792    | 0.28   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.94 | 152  | 572      | 0.024  | ng/ul# | 73       |
| 12) Phenanthrene            | 17.01 | 178  | 5686     | 0.174  | ng/ul  | 98       |
| 13) Anthracene              | 17.10 | 178  | 607      | 0.021  | ng/ul# | 69       |
| 15) Fluoranthene            | 19.04 | 202  | 11686    | 0.270  | ng/ul  | 95       |
| 17) Pyrene                  | 19.40 | 202  | 10910    | 0.247  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.16 | 228  | 4695     | 0.117  | ng/ul  | 93       |
| 19) Chrysene                | 21.22 | 228  | 5127     | 0.104  | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 22.71 | 252  | 7202m    | 0.164  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.75 | 252  | 2997m    | 0.060  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.26 | 252  | 4332     | 0.094  | ng/ul# | 68       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.51 | 276  | 2768     | 0.051  | ng/ul# | 90       |
| 26) Benzo(g,h,i)perylene    | 26.16 | 276  | 2247     | 0.045  | ng/ul# | 78       |

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

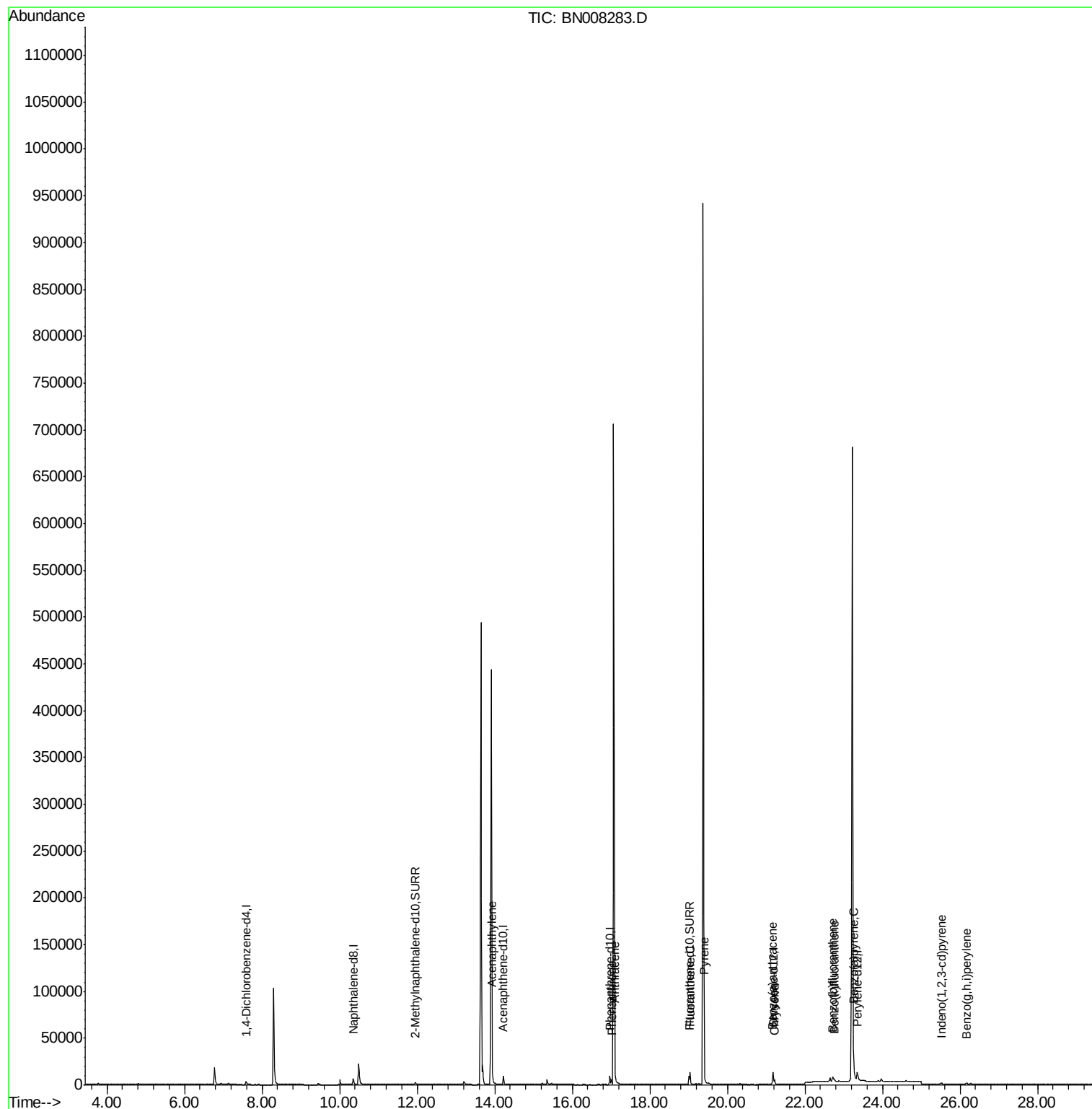
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\  
Data File : BN008283.D  
Acq On : 21 Oct 2019 15:12  
Operator : JU  
Sample : K5199-15  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

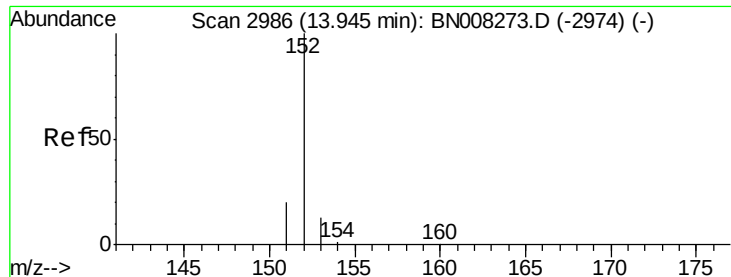
Instrument :  
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ClientSampleId :  
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Quant Time: Oct 21 18:35:24 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 16:47:07 2019  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN008283.D

Acq: 21 Oct 2019 15:12

Instrument :

BNA\_N

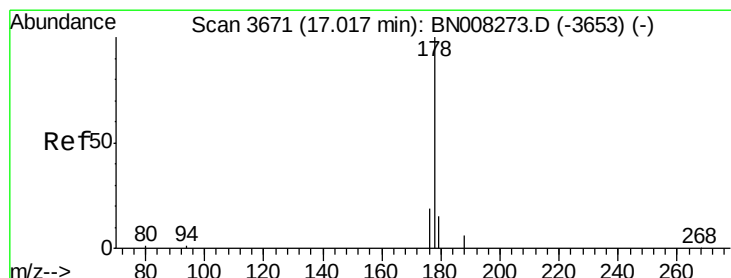
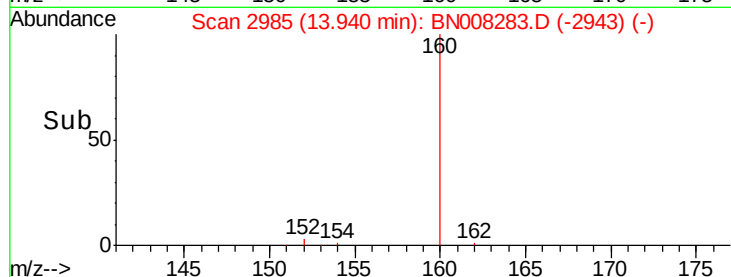
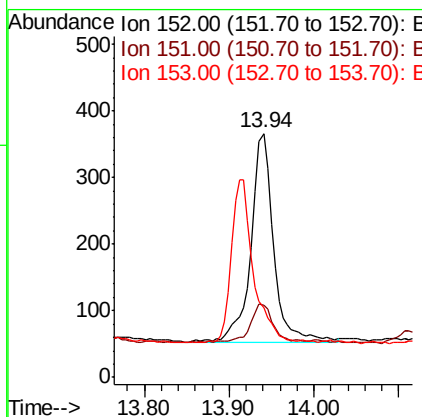
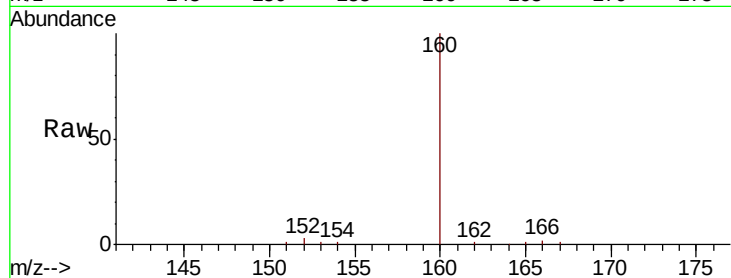
ClientSampleId :

BEP82

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 572   |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 29.8  | 16.2  | 24.4# |
| 153       | 28.4  | 11.0  | 16.4# |

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#12

Phenanthrene

Concen: 0.174 ng/ul

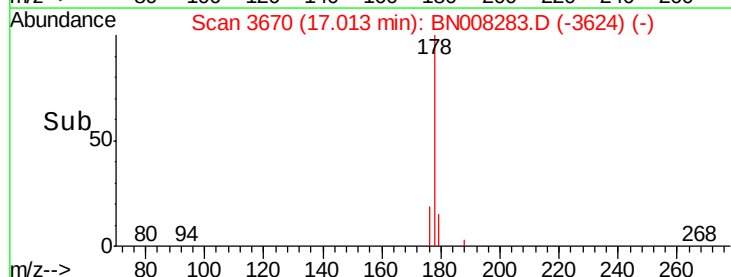
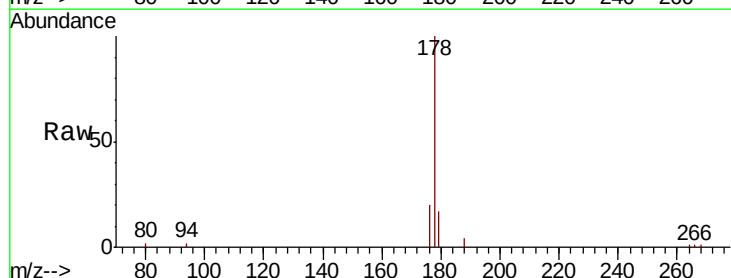
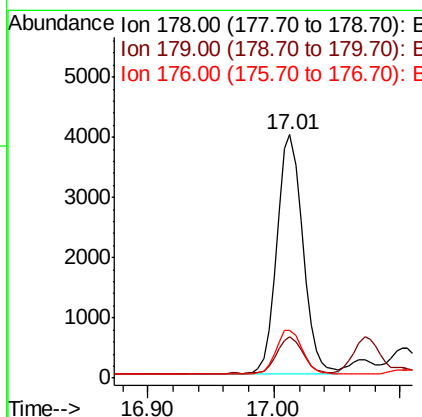
RT: 17.01 min Scan# 3670

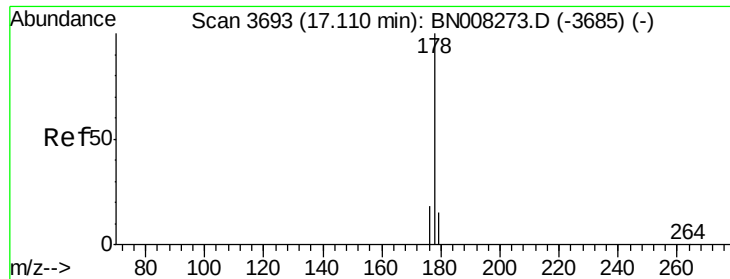
Delta R.T. -0.00 min

Lab File: BN008283.D

Acq: 21 Oct 2019 15:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 5686 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 16.9  | 12.8  | 19.2 |
| 176       | 19.8  | 15.4  | 23.2 |





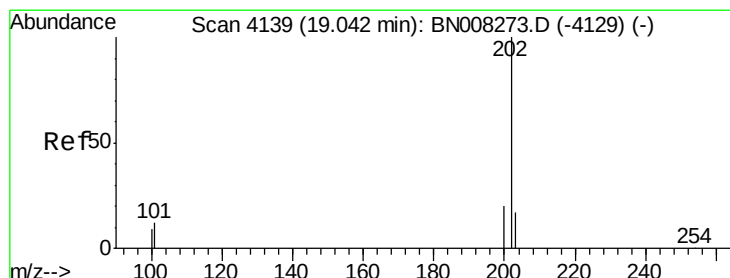
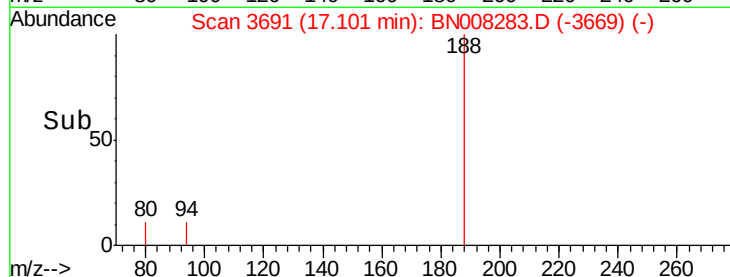
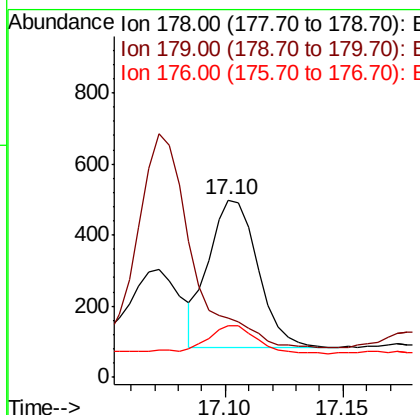
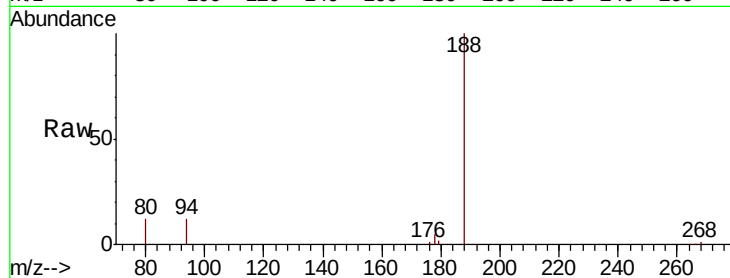
#13  
 Anthracene  
 Concen: 0.021 ng/ul  
 RT: 17.10 min Scan# 3691  
 Delta R.T. -0.01 min  
 Lab File: BN008283.D  
 Acq: 21 Oct 2019 15:12

Instrument :  
 BNA\_N  
 ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 33.7  | 13.0  | 19.6# |
| 176     | 29.1  | 15.0  | 22.6# |

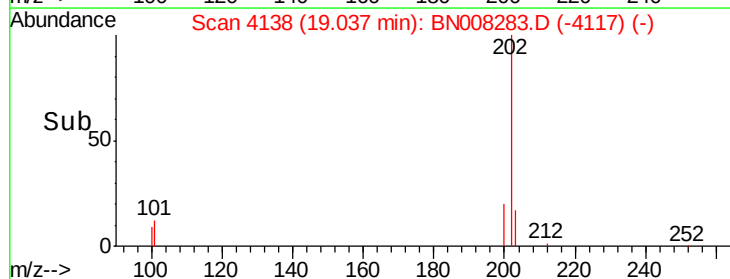
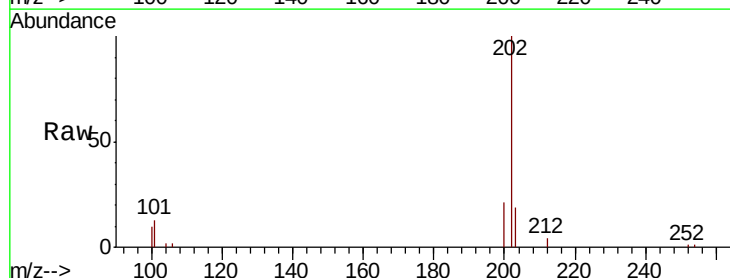
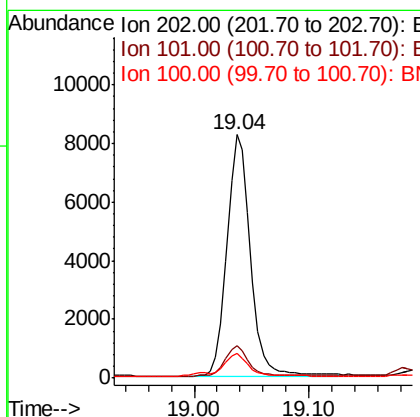
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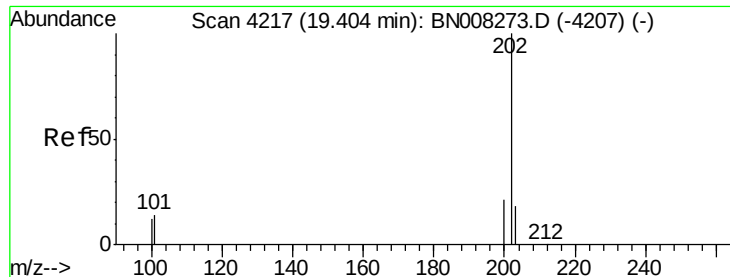
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#15  
 Fluoranthene  
 Concen: 0.270 ng/ul  
 RT: 19.04 min Scan# 4138  
 Delta R.T. -0.00 min  
 Lab File: BN008283.D  
 Acq: 21 Oct 2019 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.1  | 0.0   | 31.2  |
| 100     | 10.1  | 0.0   | 28.5  |





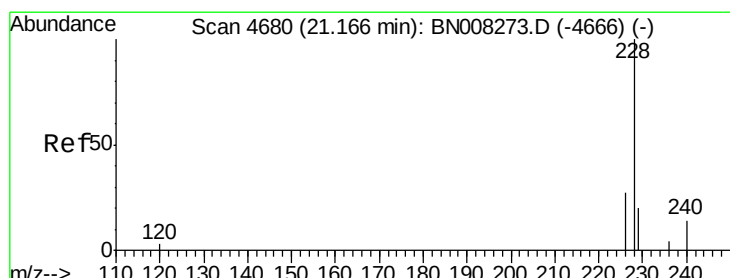
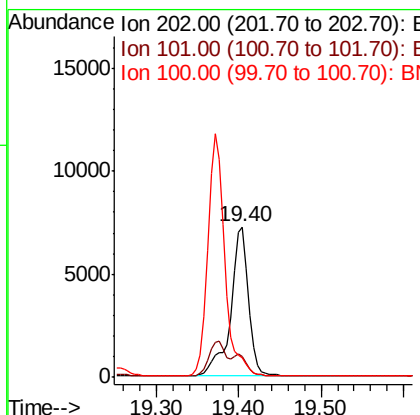
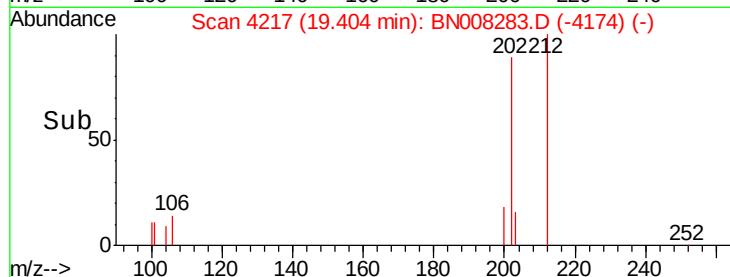
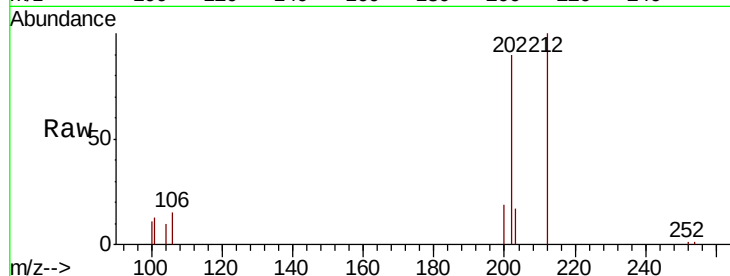
#17  
Pvrene  
Concen: 0.247 ng/ul  
RT: 19.40 min Scan# 4217  
Delta R.T. 0.00 min  
Lab File: BN008283.D  
Acq: 21 Oct 2019 15:12

Instrument :  
BNA\_N  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 10.9  | 16.3  |
| 100     | 12.7  | 8.7   | 13.1  |

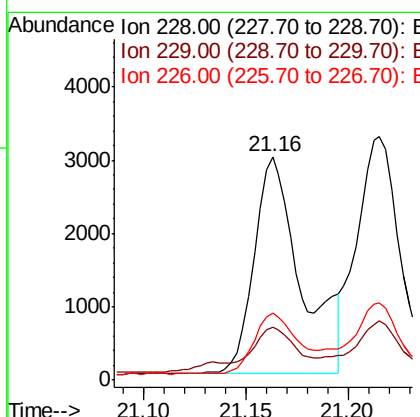
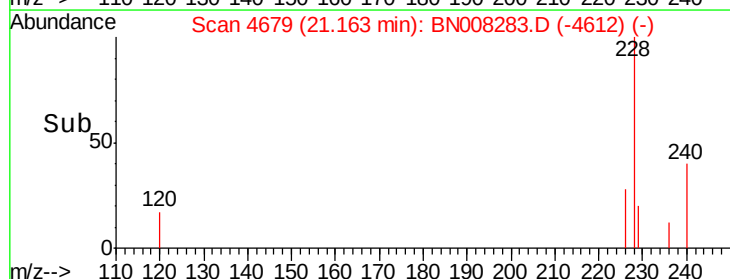
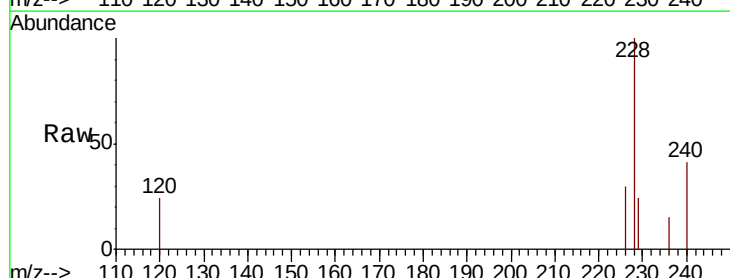
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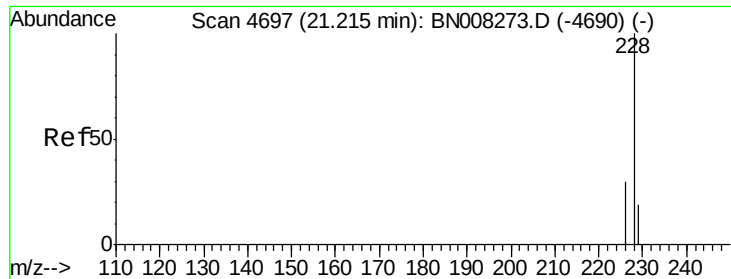
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#18  
Benzo(a)anthracene  
Concen: 0.117 ng/ul  
RT: 21.16 min Scan# 4679  
Delta R.T. -0.00 min  
Lab File: BN008283.D  
Acq: 21 Oct 2019 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 23.5  | 16.2  | 24.2  |
| 226     | 29.8  | 21.4  | 32.0  |





#19

Chrysene

Concen: 0.104 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008283.D

Acq: 21 Oct 2019 15:12

Instrument :

BNA\_N

ClientSampleId :

BEP82

Tot Ion:228 Resp: 5127

Ion Ratio Lower Upper

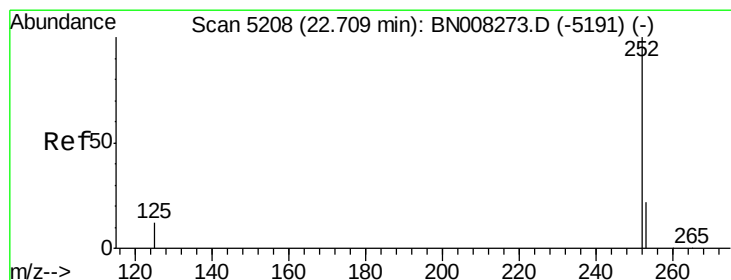
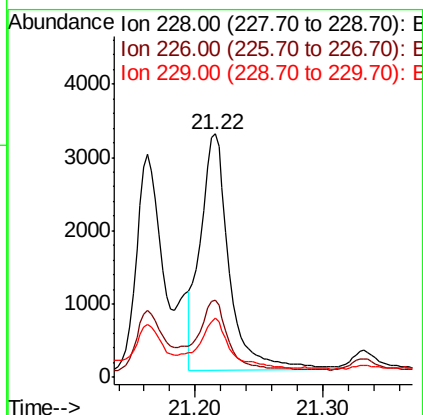
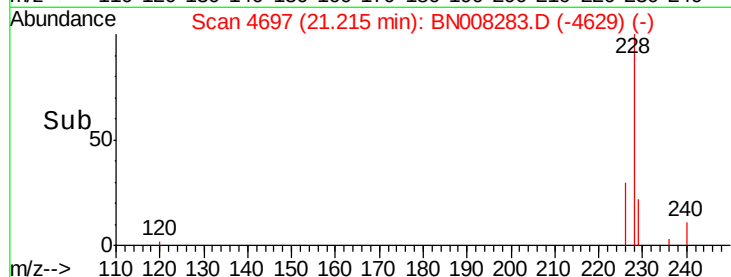
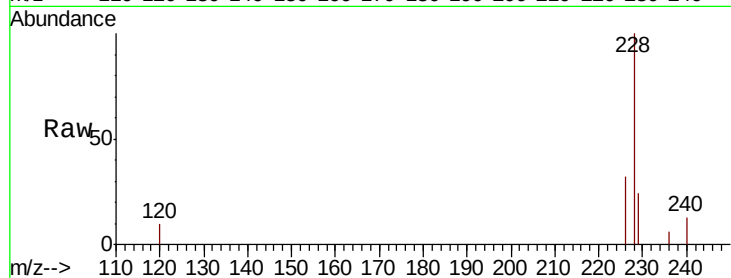
228 100

226 31.9 24.1 36.1

229 24.1 16.2 24.2

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#21

Benzo(b)fluoranthene

Concen: 0.164 ng/ul m

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008283.D

Acq: 21 Oct 2019 15:12

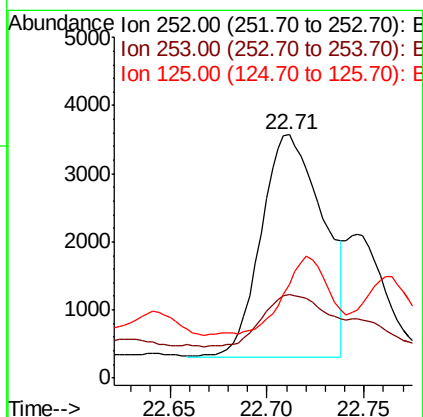
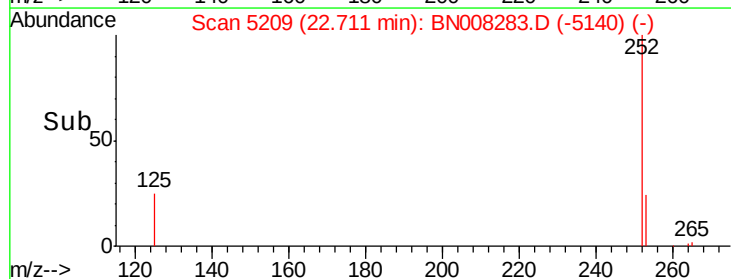
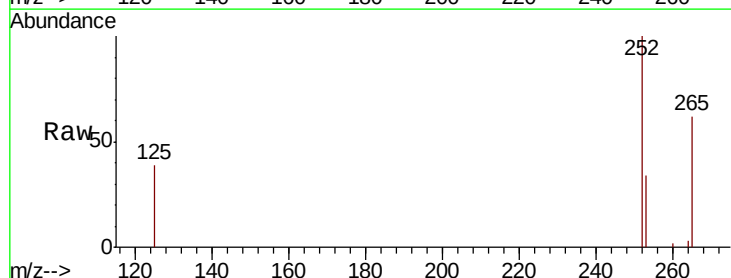
Tgt Ion:252 Resp: 7202

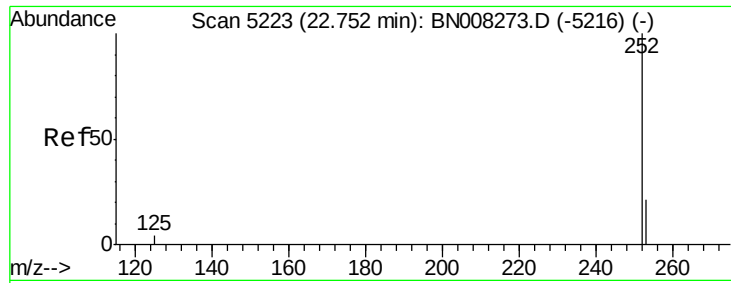
Ion Ratio Lower Upper

252 100

253 34.3 0.0 53.4

125 38.6 0.0 32.4#





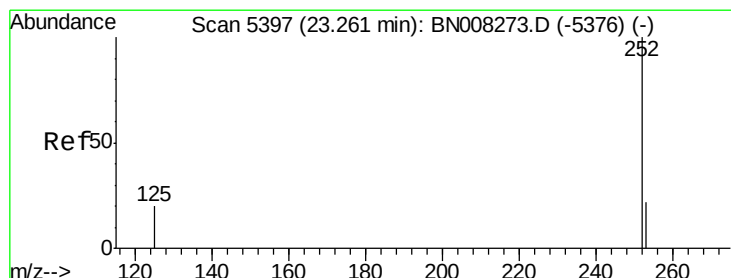
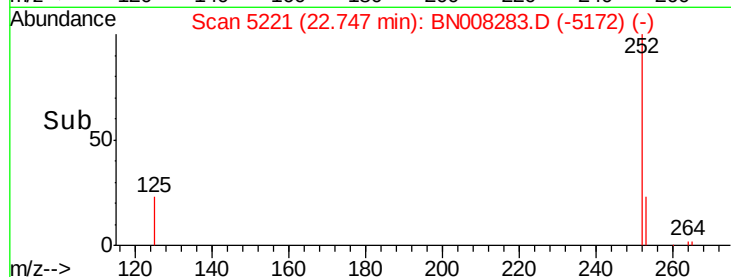
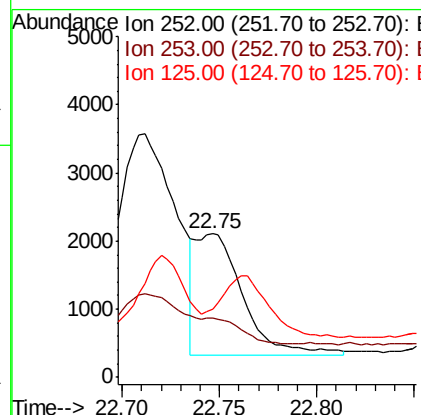
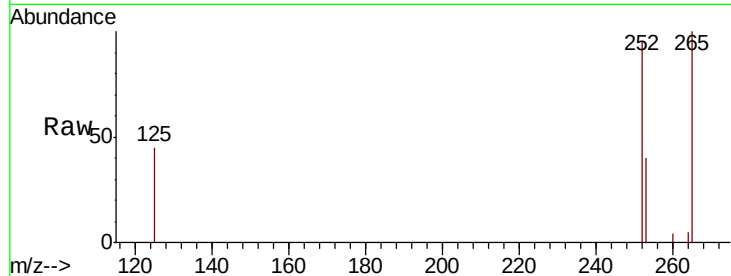
#22  
Benzo(k)fluoranthene  
Concen: 0.060 ng/ul m  
RT: 22.75 min Scan# 5221  
Delta R.T. -0.01 min  
Lab File: BN008283.D  
Acq: 21 Oct 2019 15:12

Instrument :  
BNA\_N  
ClientSampleId :  
BEP82

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 41.6  | 21.3  | 31.9# |
| 125     | 47.7  | 12.3  | 18.5# |

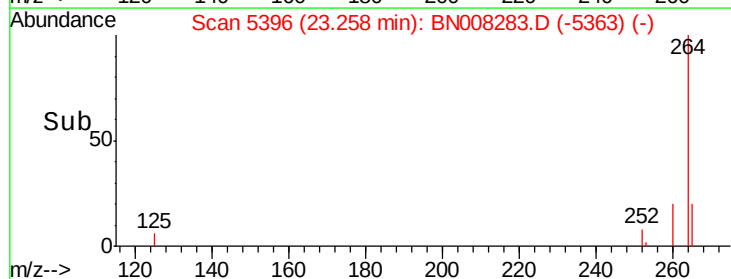
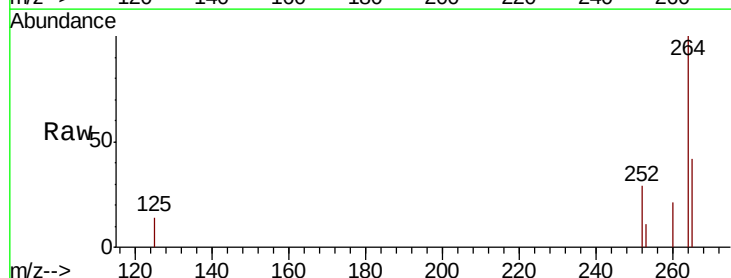
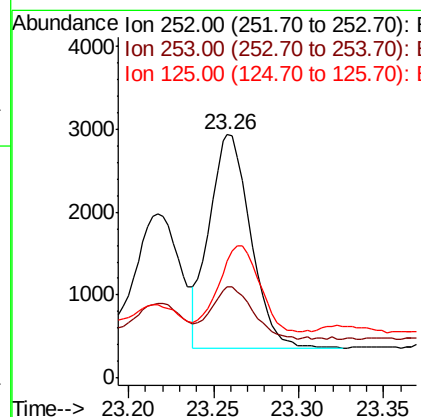
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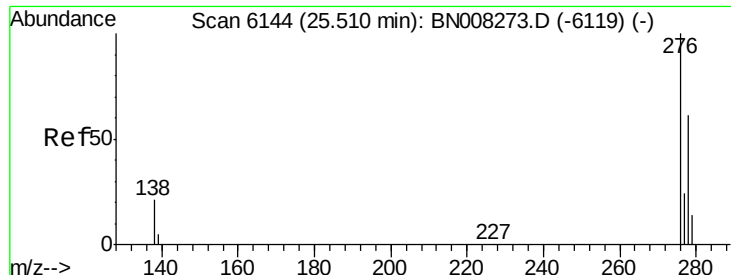
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#23  
Benzo(a)pyrene  
Concen: 0.094 ng/ul  
RT: 23.26 min Scan# 5396  
Delta R.T. -0.00 min  
Lab File: BN008283.D  
Acq: 21 Oct 2019 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 37.2  | 22.8  | 34.2# |
| 125     | 48.1  | 18.4  | 27.6# |





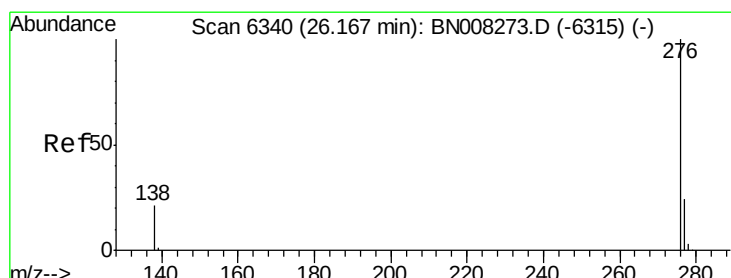
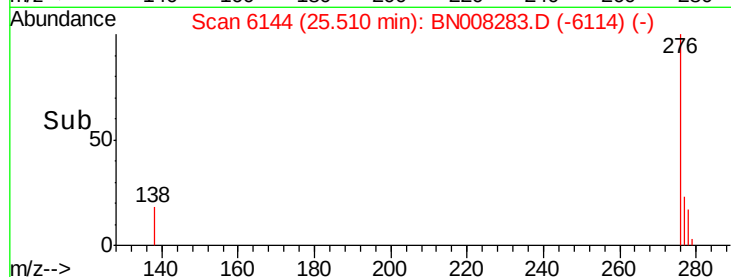
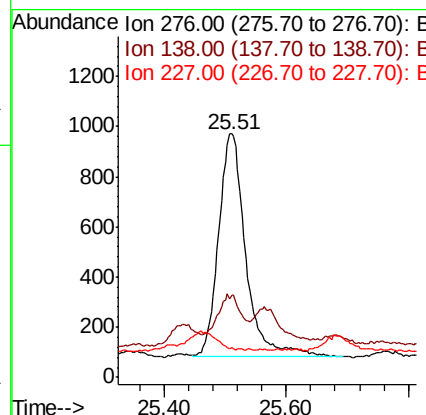
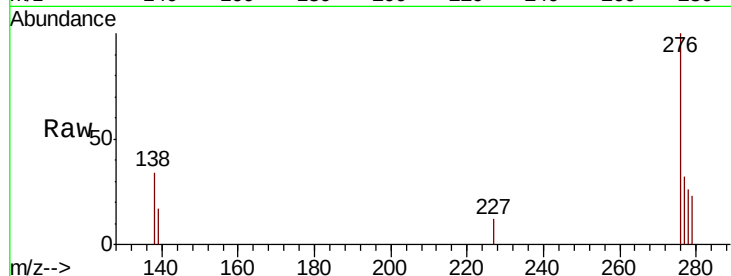
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.051 ng/ul  
 RT: 25.51 min Scan# 6144  
 Delta R.T. 0.00 min  
 Lab File: BN008283.D  
 Acq: 21 Oct 2019 15:12

Instrument :  
 BNA\_N  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.7  | 16.1  | 24.1# |
| 227     | 0.0   | 0.2   | 0.2#  |

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.045 ng/ul  
 RT: 26.16 min Scan# 6339  
 Delta R.T. -0.00 min  
 Lab File: BN008283.D  
 Acq: 21 Oct 2019 15:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.5  | 17.0  | 25.4# |
| 277     | 33.8  | 20.4  | 30.6# |

