

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
 Data File : BN008971.D
 Acq On : 13 Dec 2019 17:11
 Operator : JU
 Sample : K6089-07DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 C0BQ5DL

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Quant Time: Dec 13 17:46:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 17:12:51 2019
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 8721 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.31 | 136 | 32088 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.18 | 164 | 15170 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.93 | 188 | 24372 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.13 | 240 | 16699 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.28 | 264 | 20575 | 0.40 | ng/ul | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10 | 11.90 | 152 | 4850 | 0.09 | ng/ul | -0.01 |
| 14) Fluoranthene-d10 | 18.96 | 212 | 6697 | 0.09 | ng/ul | 0.00 |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene | 10.36 | 128 | 11148 | 0.115 | ng/ul | 99 |
| 5) 2-Methylnaphthalene | 11.98 | 142 | 9227 | 0.137 | ng/ul | 100 |
| 7) Acenaphthylene | 13.90 | 152 | 7556 | 0.090 | ng/ul# | 95 |
| 8) Acenaphthene | 14.24 | 153 | 1367 | 0.022 | ng/ul# | 94 |
| 9) Fluorene | 15.24 | 166 | 3235 | 0.044 | ng/ul# | 74 |
| 12) Phenanthrene | 16.97 | 178 | 74195 | 0.903 | ng/ul | 99 |
| 13) Anthracene | 17.06 | 178 | 9535 | 0.123 | ng/ul | 96 |
| 15) Fluoranthene | 18.99 | 202 | 107432 | 1.064 | ng/ul | 100 |
| 17) Pyrene | 19.36 | 202 | 85440 | 1.275 | ng/ul | 97 |
| 18) Benzo(a)anthracene | 21.12 | 228 | 38180 | 0.569 | ng/ul# | 92 |
| 19) Chrysene | 21.17 | 228 | 56890 | 0.863 | ng/ul# | 96 |
| 21) Benzo(b)fluoranthene | 22.64 | 252 | 62120m | 0.732 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.68 | 252 | 21899m | 0.260 | ng/ul | |
| 23) Benzo(a)pyrene | 23.18 | 252 | 39992 | 0.502 | ng/ul | 98 |
| 24) Indeno(1,2,3-cd)pyrene | 25.38 | 276 | 33584 | 0.361 | ng/ul# | 90 |
| 25) Dibenzo(a,h)anthracene | 25.39 | 278 | 8958 | 0.119 | ng/ul# | 77 |
| 26) Benzo(a,h,i)perylene | 26.02 | 276 | 35336 | 0.454 | ng/ul | 98 |

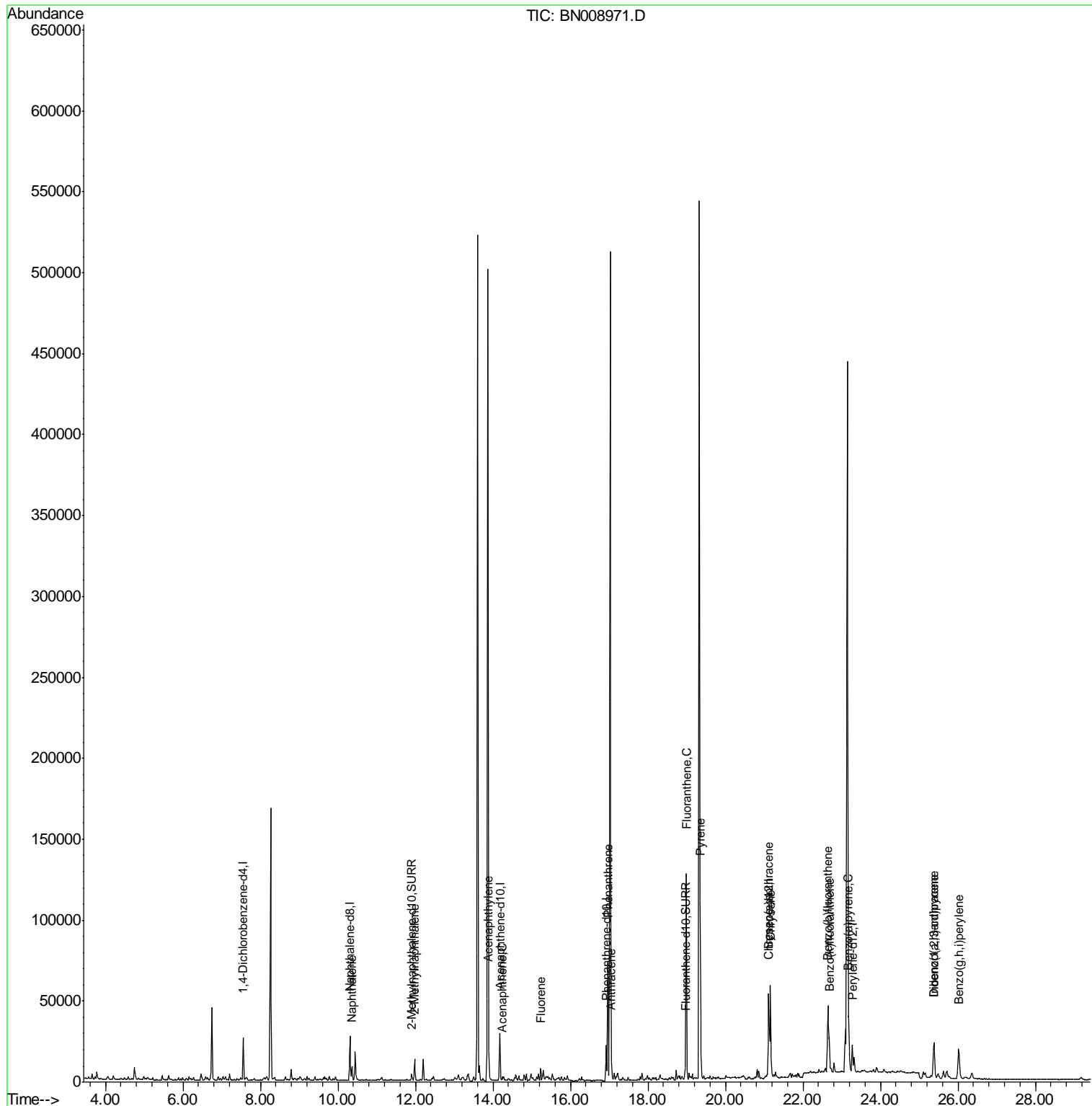
(#) = qualifier out of range (m) = manual integration (+) = signals summed

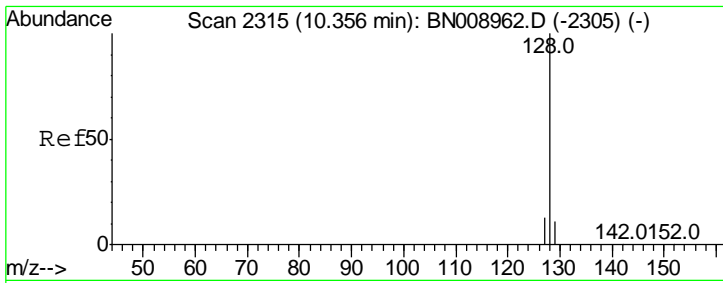
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
 Data File : BN008971.D
 Acq On : 13 Dec 2019 17:11
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 Sample : K6089-07DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 C0BQ5DL

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Quant Time: Dec 13 17:46:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
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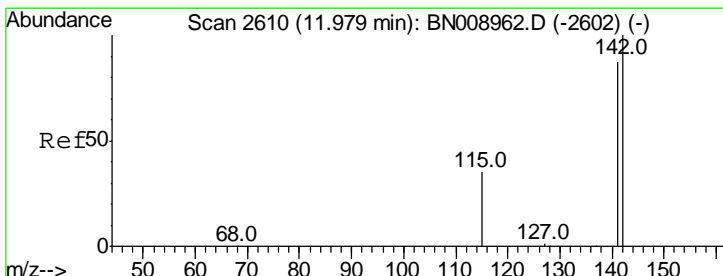
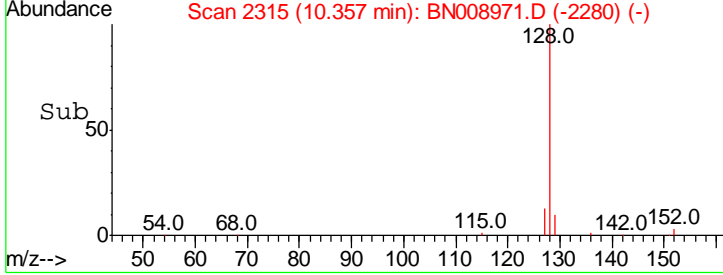
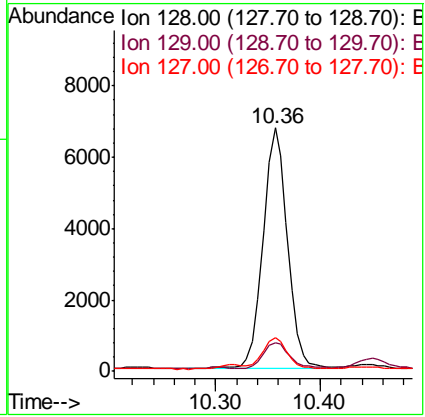
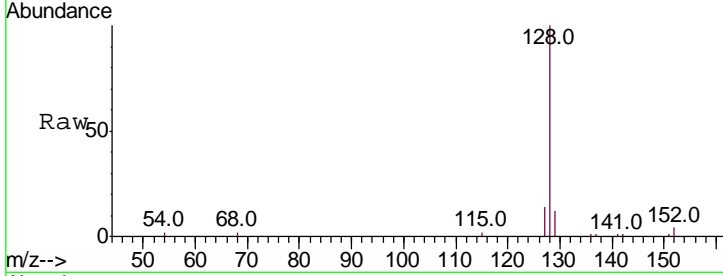


#3
 Naphthalene
 Concen: 0.115 ng/ul
 RT: 10.36 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Instrument :
 BNA_N
ClientSampled :
 C0BQ5DL

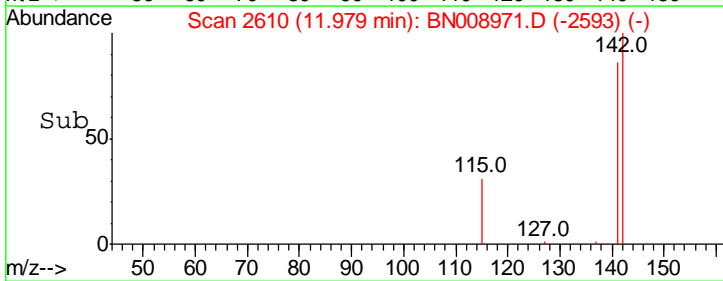
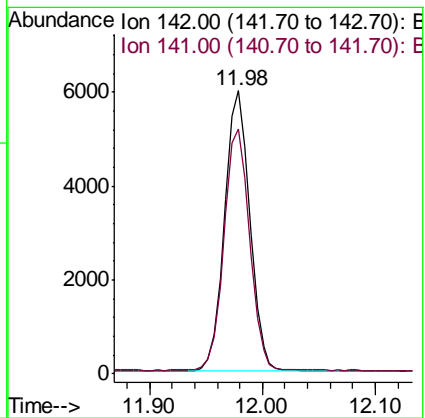
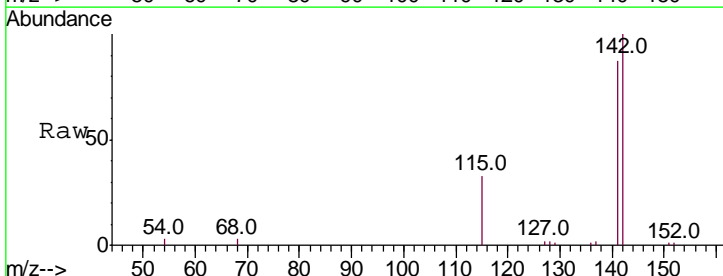
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 128 | 11148 | | |
| 129 | 11.8 | 9.1 | 13.7 |
| 127 | 14.1 | 10.7 | 16.1 |

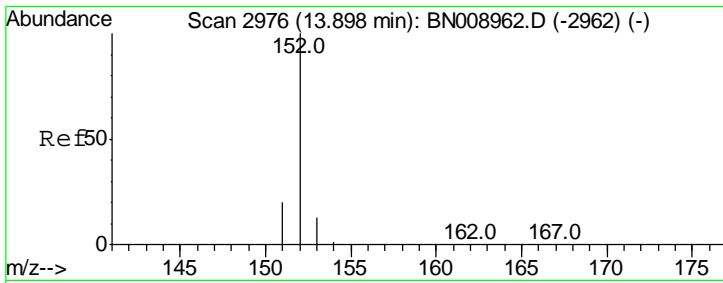
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#5
 2-Methylnaphthalene
 Concen: 0.137 ng/ul
 RT: 11.98 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

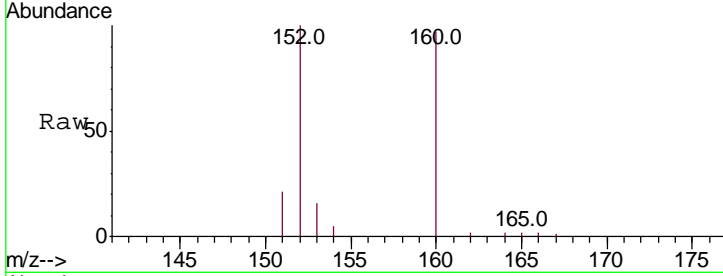
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 142 | 9227 | | |
| 141 | 87.9 | 70.1 | 105.1 |





#7
 Acenaphthylene
 Concen: 0.090 ng/ul
 RT: 13.90 min Scan# 2976
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

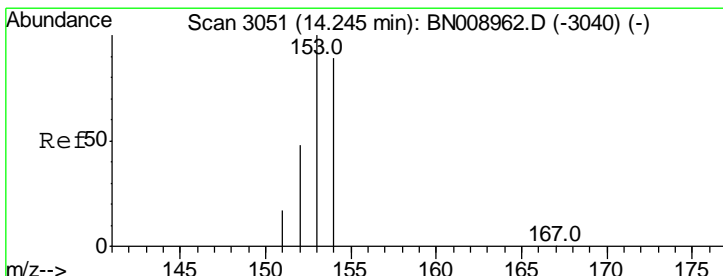
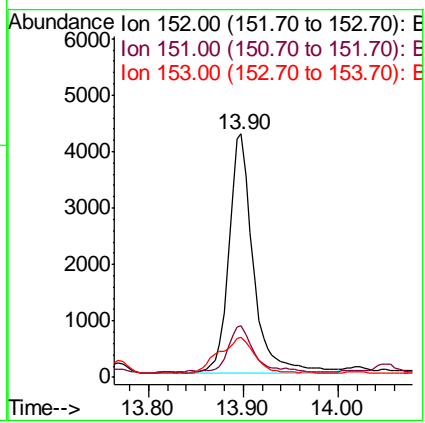
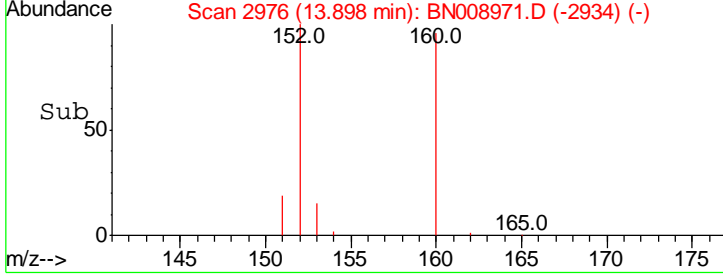
Instrument :
 BNA_N
ClientSampled :
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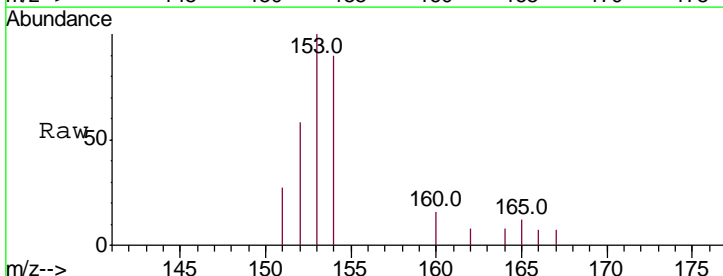
Tgt Ion: 152 Resp: 7556

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100 | | |
| 151 | 21.2 | 15.8 | 23.6 |
| 153 | 16.3 | 10.6 | 15.8# |

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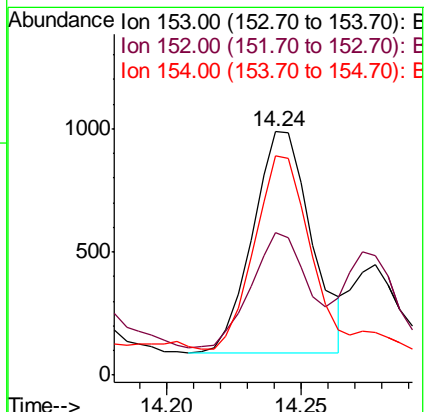
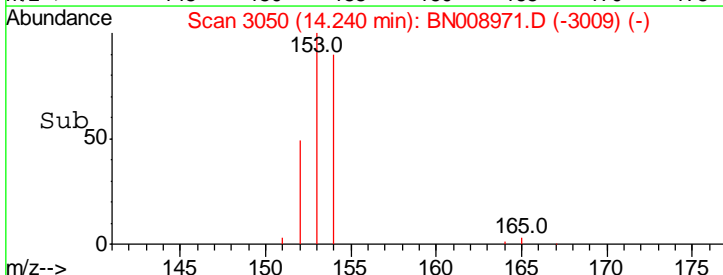


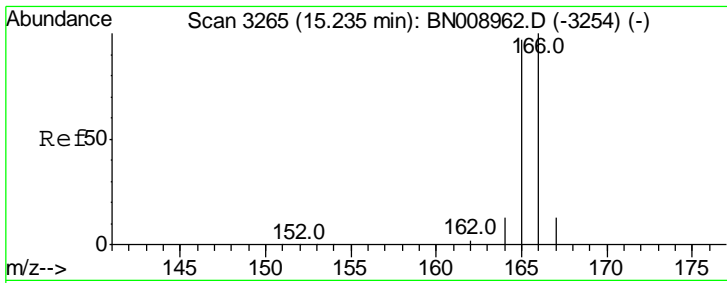
#8
 Acenaphthene
 Concen: 0.022 ng/ul
 RT: 14.24 min Scan# 3050
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11



Tgt Ion: 153 Resp: 1367

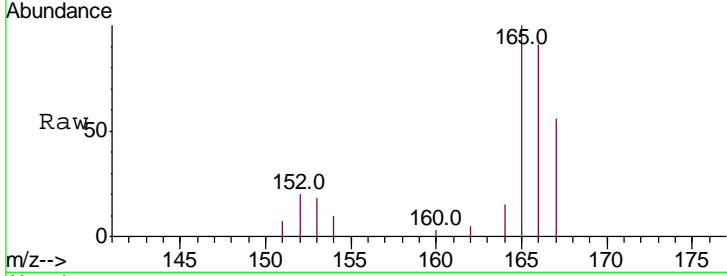
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100 | | |
| 152 | 58.3 | 38.6 | 58.0# |
| 154 | 89.9 | 70.6 | 105.8 |





#9
 Fluorene
 Concen: 0.044 ng/ul
 RT: 15.24 min Scan# 3265
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

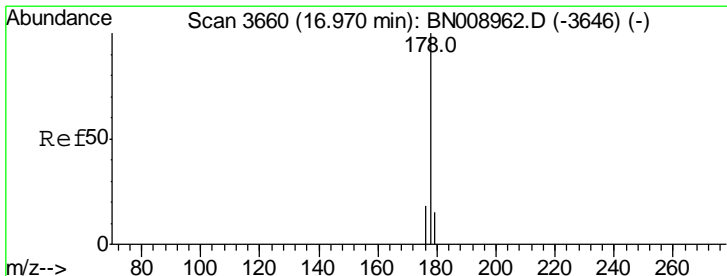
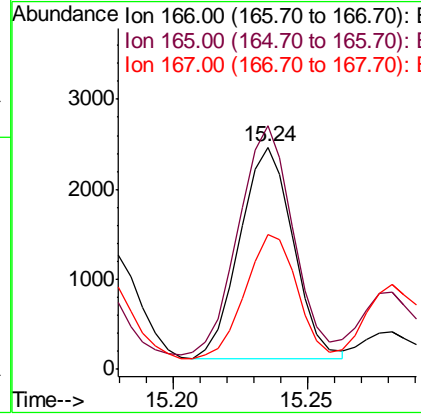
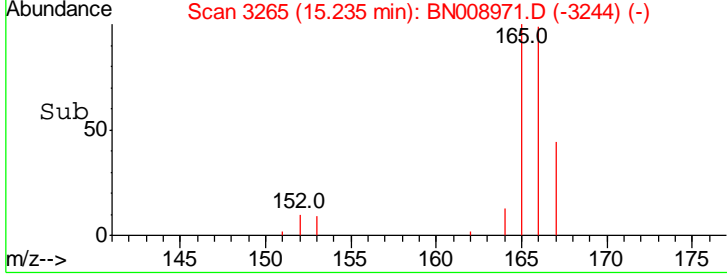
Instrument :
 BNA_N
 ClientSampled :
 C0BQ5DL



Tgt Ion: 166 Resp: 3235

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100 | | |
| 165 | 109.6 | 77.7 | 116.5 |
| 167 | 61.0 | 11.1 | 16.7# |

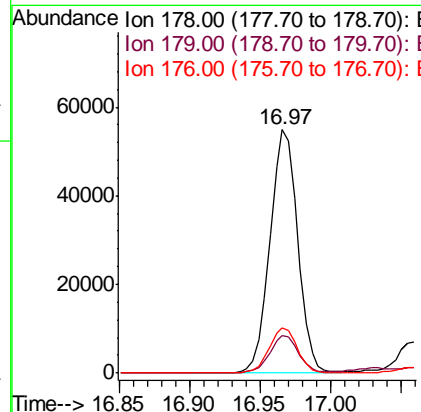
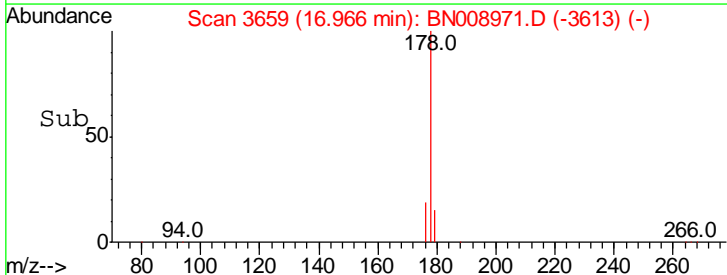
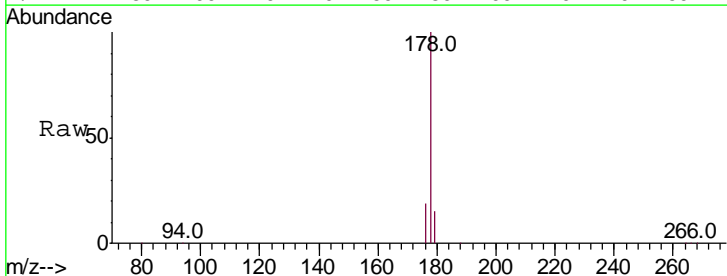
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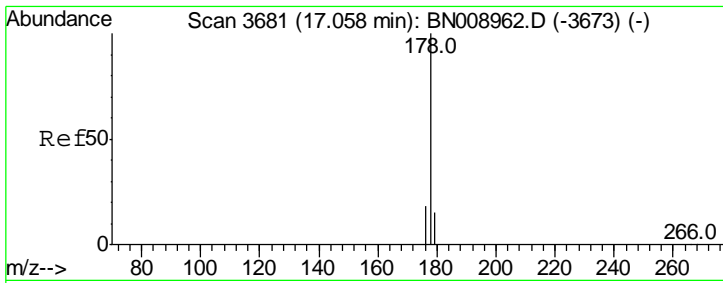


#12
 Phenanthrene
 Concen: 0.903 ng/ul
 RT: 16.97 min Scan# 3659
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Tgt Ion: 178 Resp: 74195

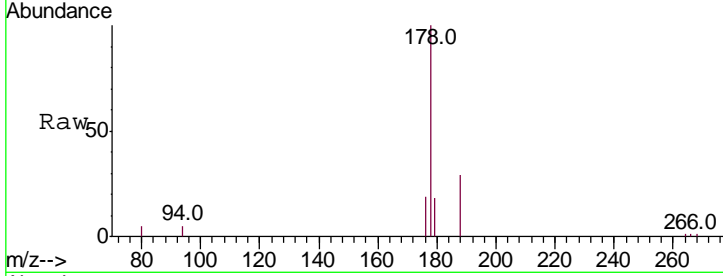
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 15.4 | 12.6 | 18.8 |
| 176 | 18.7 | 15.3 | 22.9 |





#13
 Anthracene
 Concen: 0.123 ng/ul
 RT: 17.06 min Scan# 3681
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

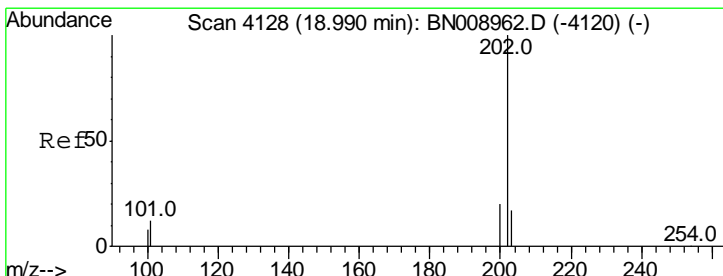
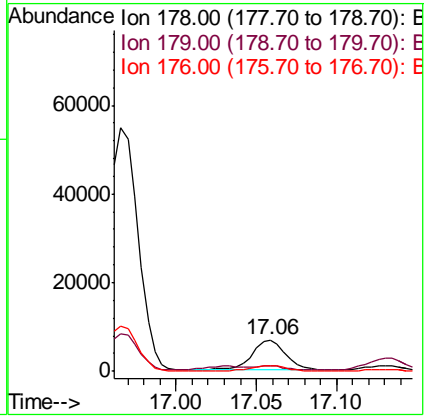
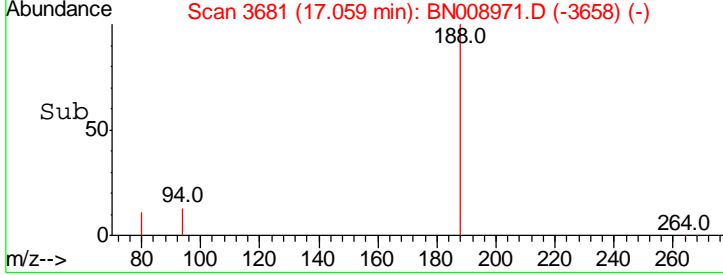
Instrument :
 BNA_N
ClientSampled :
 C0BQ5DL



Tgt Ion: 178 Resp: 9535

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 18.1 | 12.2 | 18.4 |
| 176 | 19.1 | 14.7 | 22.1 |

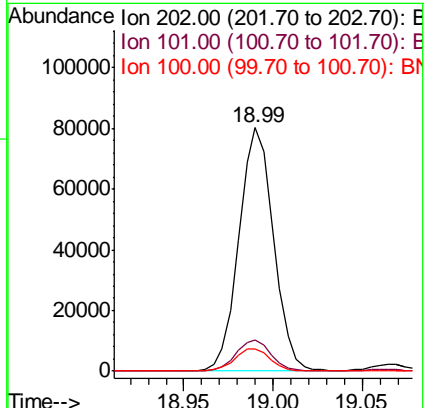
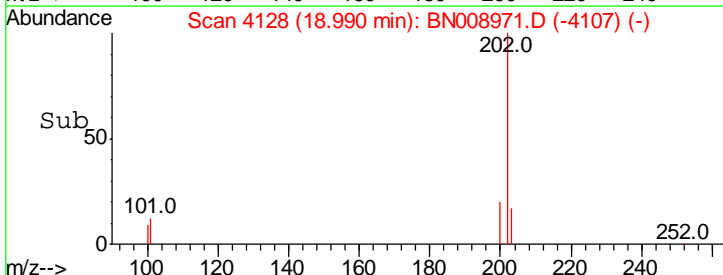
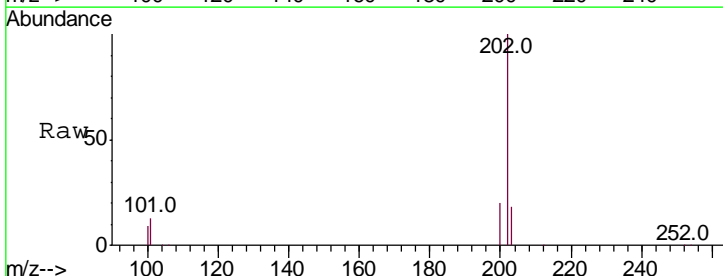
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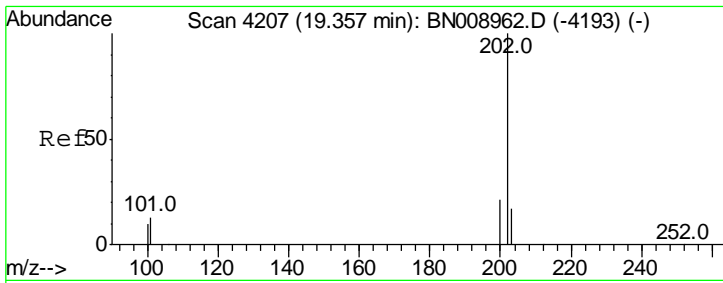


#15
 Fluoranthene
 Concen: 1.064 ng/ul
 RT: 18.99 min Scan# 4128
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Tgt Ion: 202 Resp: 107432

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 32.4 |
| 100 | 9.2 | 0.0 | 29.2 |





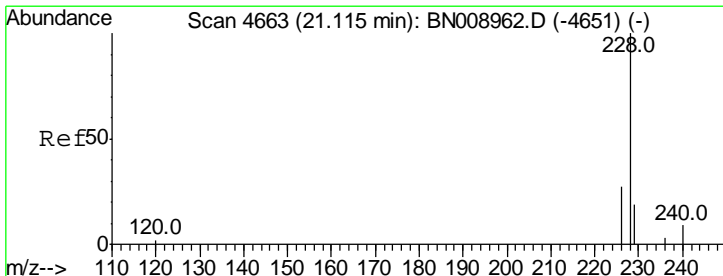
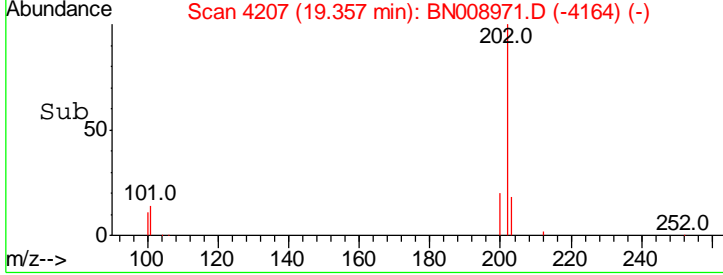
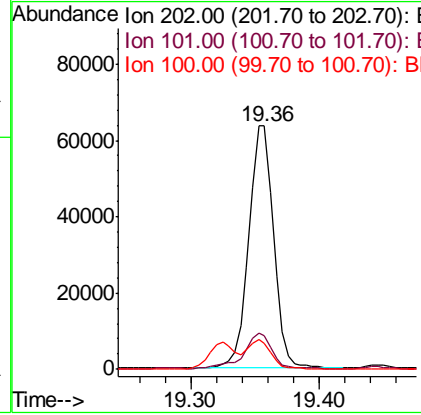
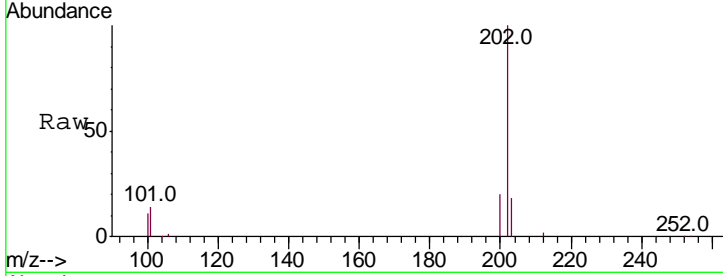
#17
 Pyrene
 Concen: 1.275 ng/ul
 RT: 19.36 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Instrument :
 BNA_N
ClientSampled :
 C0BQ5DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202 | 100 | | |
| 101 | 13.9 | 12.2 | 18.4 |
| 100 | 10.8 | 9.5 | 14.3 |

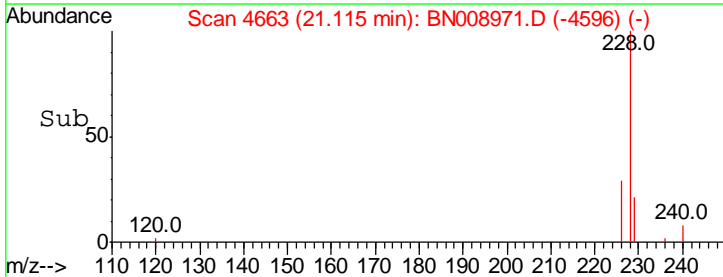
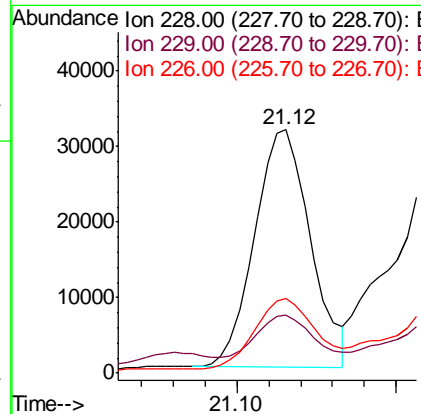
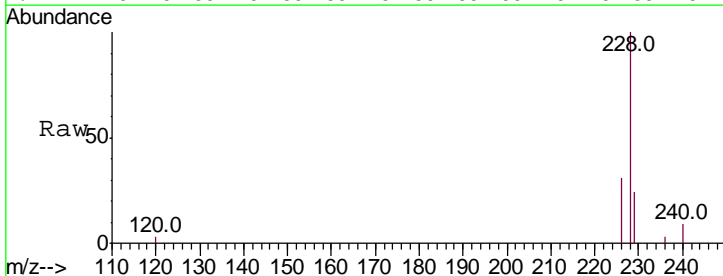
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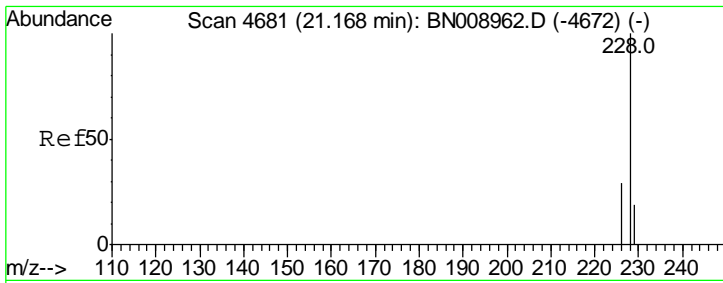
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#18
 Benzo(a)anthracene
 Concen: 0.569 ng/ul
 RT: 21.12 min Scan# 4663
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228 | 100 | | |
| 229 | 23.9 | 15.7 | 23.5# |
| 226 | 30.5 | 21.5 | 32.3 |





#19
 Chrysene
 Concen: 0.863 ng/ul
 RT: 21.17 min Scan# 4680
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

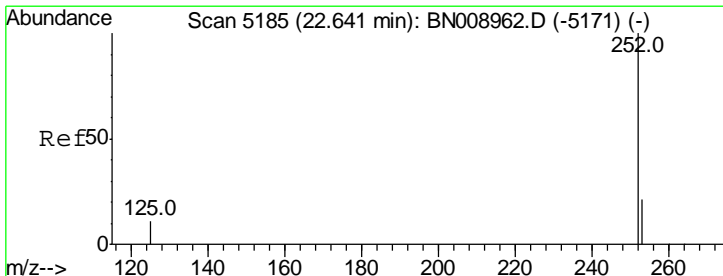
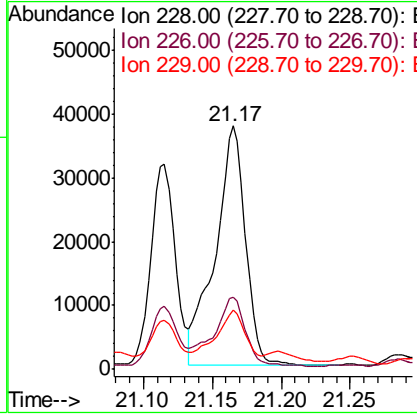
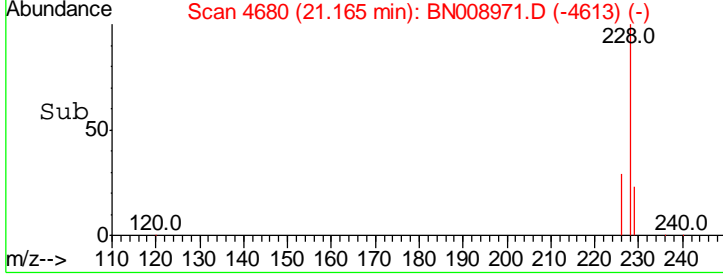
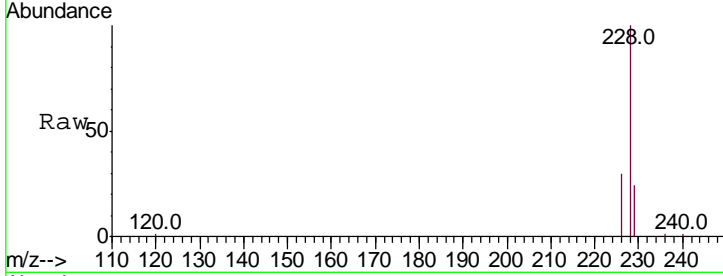
Instrument :
 BNA_N
 ClientSampled :
 C0BQ5DL

Tgt Ion: 228 Resp: 56890

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100 | | |
| 226 | 29.9 | 23.8 | 35.6 |
| 229 | 24.1 | 15.6 | 23.4 |

Manual Integrations
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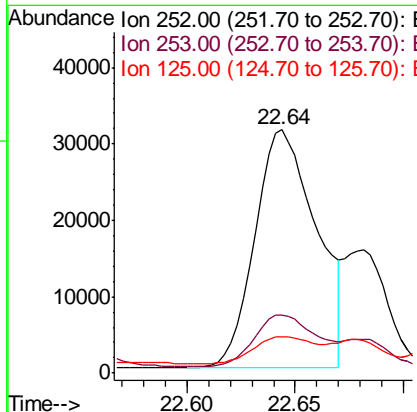
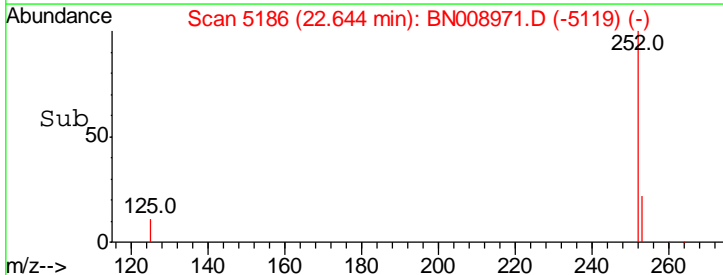
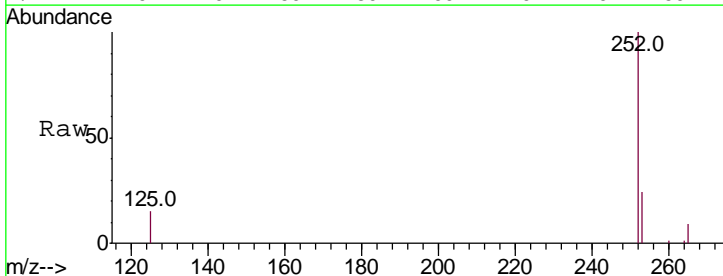
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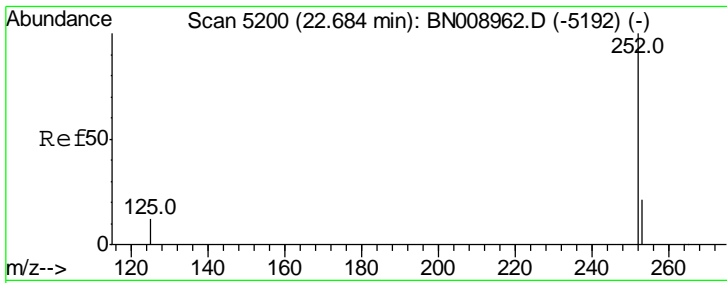


#21
 Benzo(b)fluoranthene
 Concen: 0.732 ng/ul m
 RT: 22.64 min Scan# 5186
 Delta R.T. -0.00 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Tgt Ion: 252 Resp: 62120

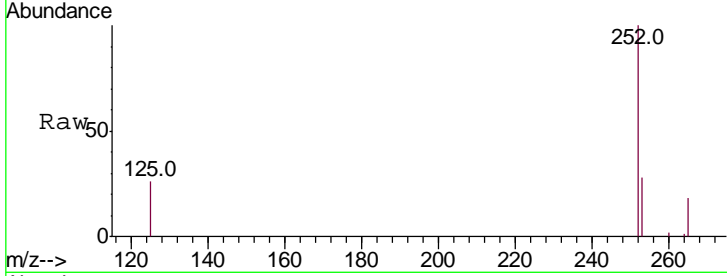
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 24.1 | 0.0 | 48.6 |
| 125 | 15.0 | 0.0 | 31.6 |





#22
 Benzo(k)fluoranthene
 Concen: 0.260 ng/ul m
 RT: 22.68 min Scan# 5199
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

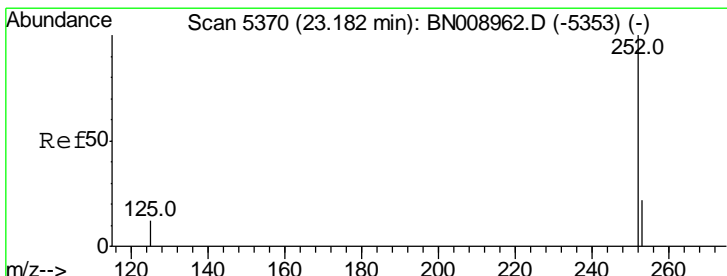
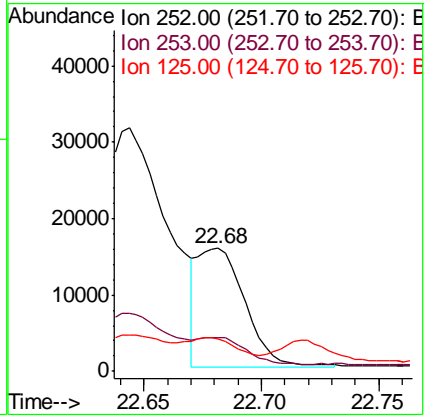
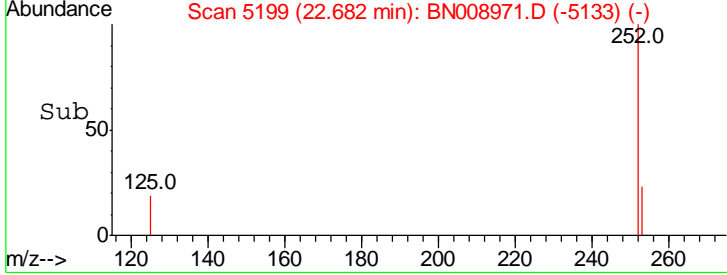
Instrument :
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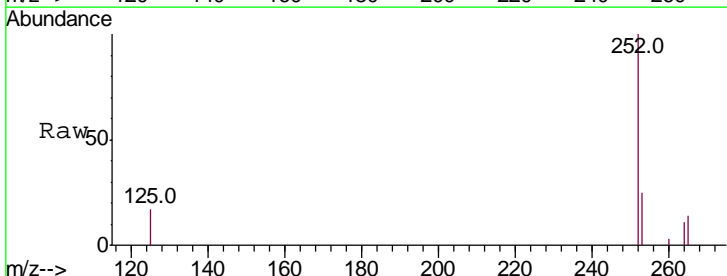
Tgt Ion: 252 Resp: 21899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 27.8 | 19.6 | 29.4 |
| 125 | 26.0 | 13.8 | 20.6 |

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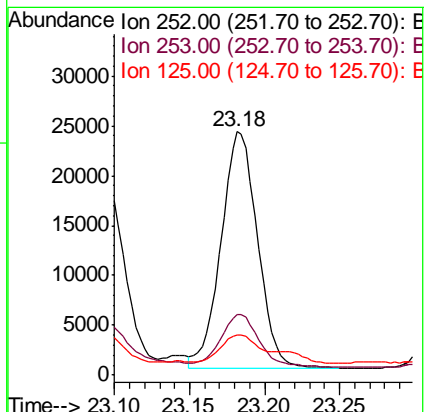
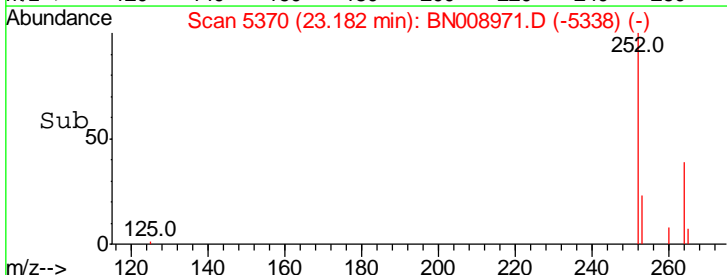


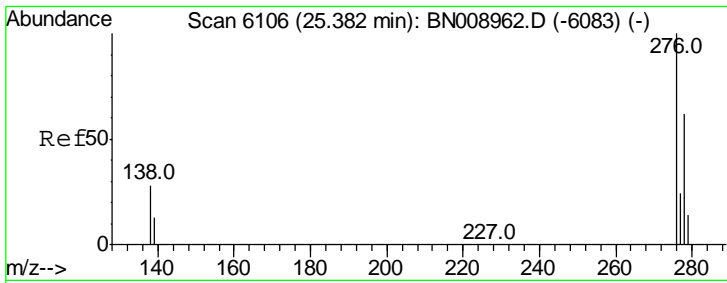
#23
 Benzo(a)pyrene
 Concen: 0.502 ng/ul
 RT: 23.18 min Scan# 5370
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11



Tgt Ion: 252 Resp: 39992

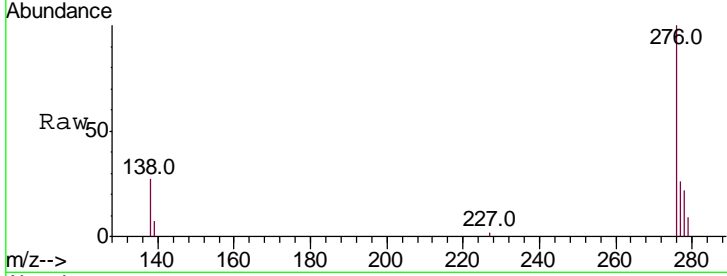
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 25.1 | 19.9 | 29.9 |
| 125 | 16.7 | 14.6 | 22.0 |





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.361 ng/ul
 RT: 25.38 min Scan# 6105
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

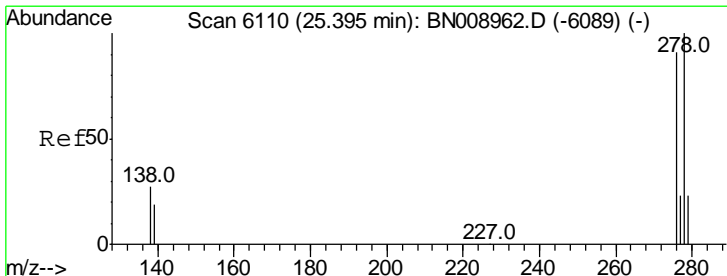
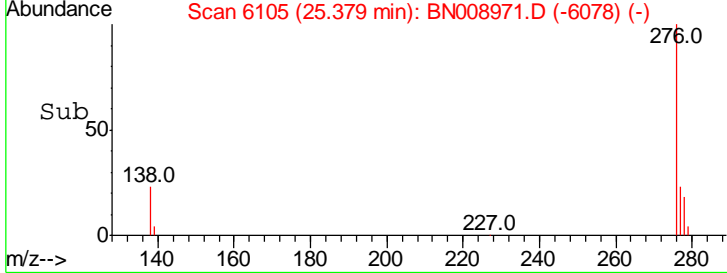
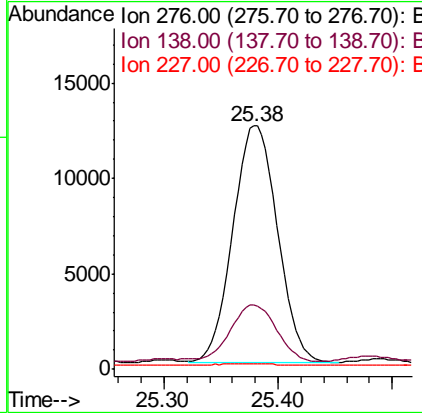
Instrument :
 BNA_N
ClientSampled :
 C0BQ5DL



Tgt Ion: 276 Resp: 33584

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 24.3 | 23.8 | 35.6 |
| 227 | 0.5 | 0.2 | 0.2# |

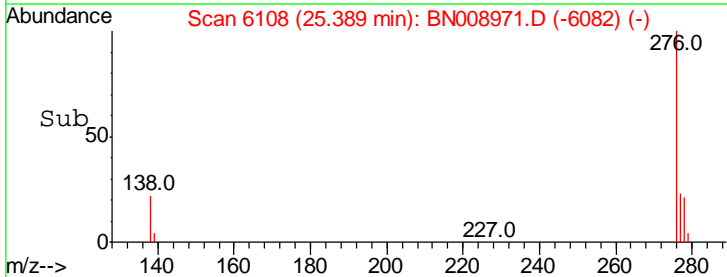
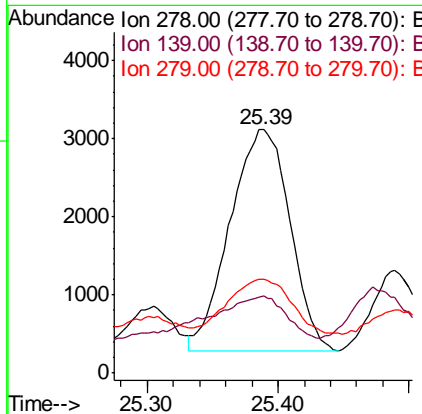
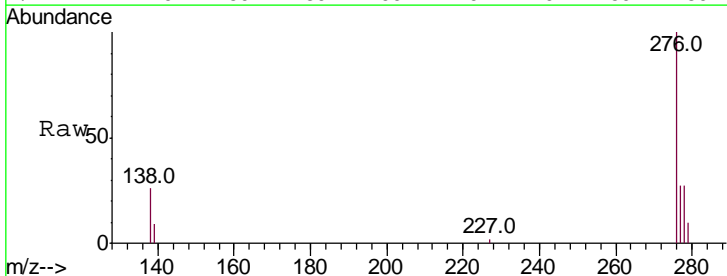
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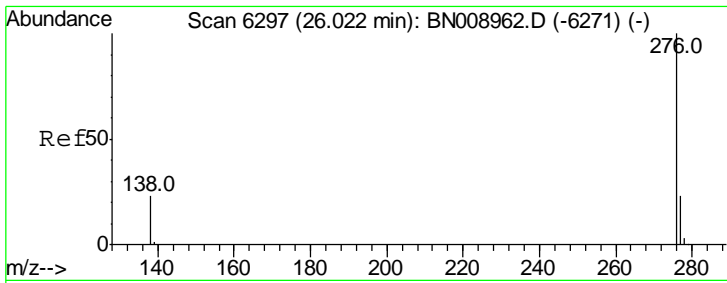


#25
 Dibenzo(a,h)anthracene
 Concen: 0.119 ng/ul
 RT: 25.39 min Scan# 6108
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Tgt Ion: 278 Resp: 8958

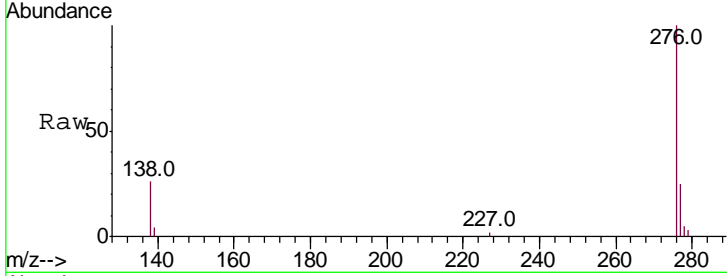
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100 | | |
| 139 | 31.5 | 17.4 | 26.0# |
| 279 | 38.5 | 20.5 | 30.7# |





#26
 Benzo(a,h,i)perylene
 Concen: 0.454 ng/ul
 RT: 26.02 min Scan# 6297
 Delta R.T. -0.01 min
 Lab File: BN008971.D
 Acq: 13 Dec 2019 17:11

Instrument :
 BNA_N
ClientSampled :
 C0BQ5DL



Tot Ion: 276 Resp: 35336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 25.8 | 21.9 | 32.9 |
| 277 | 25.0 | 19.9 | 29.9 |

Manual Integrations
APPROVED
 mohammad
 12/16/2019 12:23:52 PM

