

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
 Data File : BN013509.D
 Acq On : 27 Jan 2021 15:58
 Operator : CG/JU
 Sample : M1099-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampled :
 F1C11

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Quant Time: Jan 27 16:38:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 11:55:49 2021
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 4738 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.33 | 136 | 18332 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.20 | 164 | 10965 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.95 | 188 | 22671m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.15 | 240 | 20975 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.32 | 264 | 20130 | 0.40 | ng/ul | 0.00 |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10 | 11.92 | 152 | 11399 | 0.41 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.99 | 212 | 24277 | 0.40 | ng/ul | 0.00 |

| Target Compounds | R.T. | QIon | Response | Conc | Units | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene | 10.38 | 128 | 9396 | 0.177 | ng/ul# | 96 |
| 5) 2-Methylnaphthalene | 12.00 | 142 | 3122 | 0.093 | ng/ul | 99 |
| 7) Acenaphthylene | 13.92 | 152 | 17369 | 0.384 | ng/ul | 99 |
| 8) Acenaphthene | 14.26 | 153 | 7466 | 0.186 | ng/ul | 98 |
| 9) Fluorene | 15.25 | 166 | 6789 | 0.153 | ng/ul# | 98 |
| 12) Phenanthrene | 16.99 | 178 | 32119 | 0.433 | ng/ul | 99 |
| 13) Anthracene | 17.08 | 178 | 6024 | 0.099 | ng/ul# | 95 |
| 15) Fluoranthene | 19.01 | 202 | 34748 | 0.428 | ng/ul | 98 |
| 17) Pyrene | 19.38 | 202 | 68187 | 0.794 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.14 | 228 | 4036 | 0.058 | ng/ul# | 1 |
| 19) Chrysene | 21.19 | 228 | 5331 | 0.062 | ng/ul# | 90 |
| 21) Benzo(b)fluoranthene | 22.67 | 252 | 7041m | 0.083 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.71 | 252 | 2220m | 0.025 | ng/ul | |
| 23) Benzo(a)pyrene | 23.23 | 252 | 5108 | 0.071 | ng/ul# | 60 |
| 24) Indeno(1,2,3-cd)pyrene | 25.47 | 276 | 4538 | 0.048 | ng/ul# | 100 |
| 26) Benzo(a,h,i)perylene | 26.13 | 276 | 9089 | 0.108 | ng/ul | 97 |

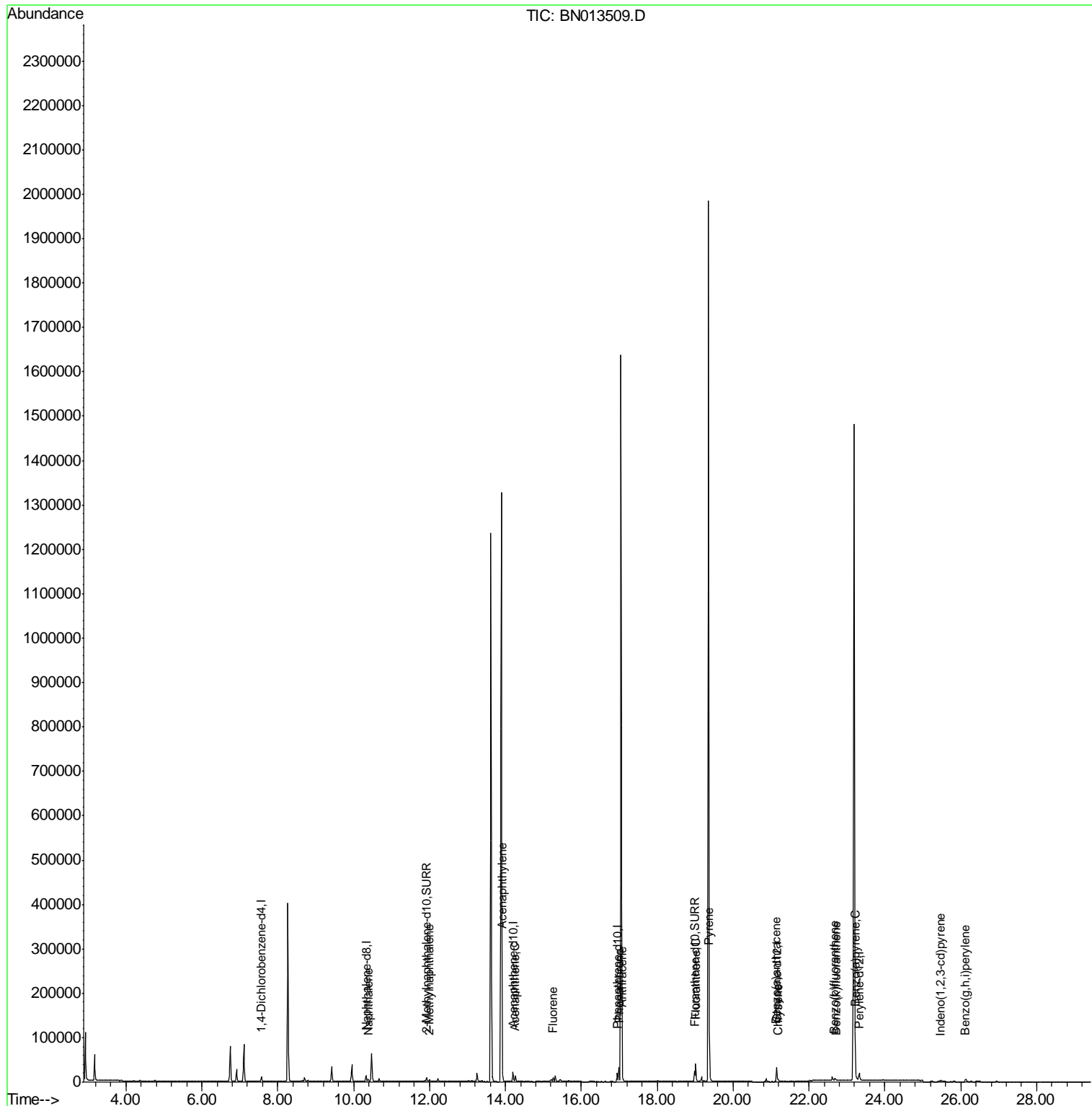
(#) = qualifier out of range (m) = manual integration (+) = signals summed

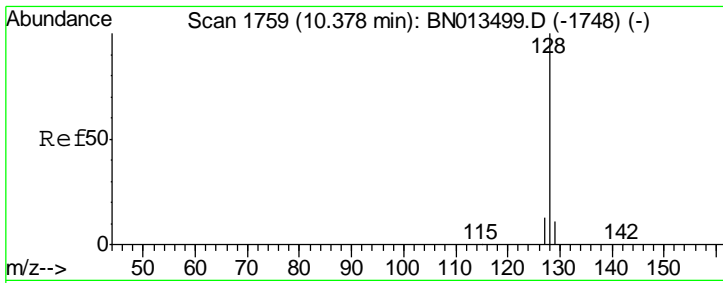
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
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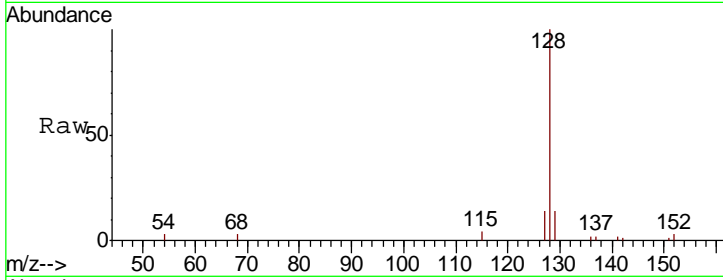
Quant Time: Jan 27 16:38:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 11:55:49 2021
 Response via : Initial Calibration





#3
 Naphthalene
 Concen: 0.177 ng/ul
 RT: 10.38 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

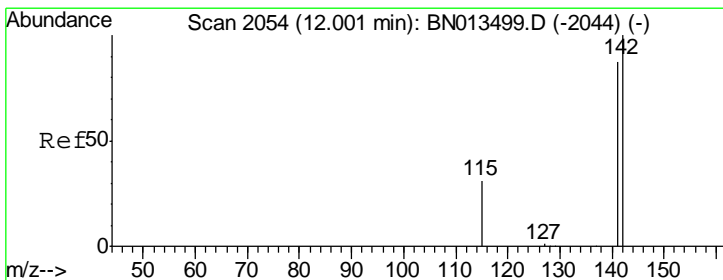
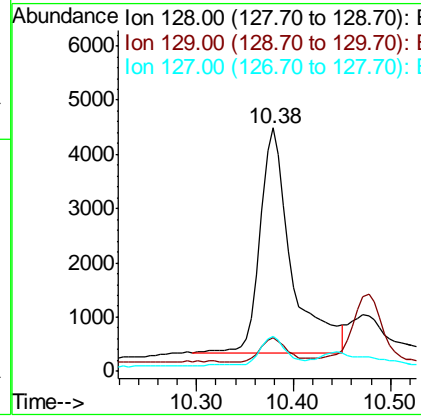
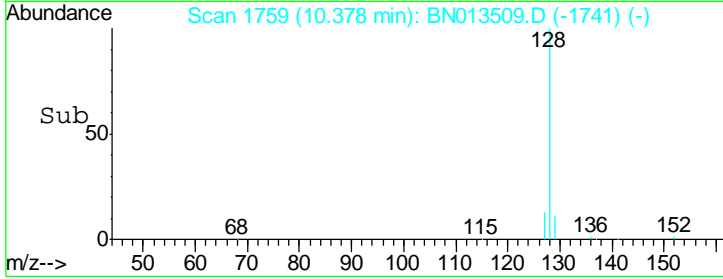
Instrument :
 BNA_N
ClientSampled :
 F1C11



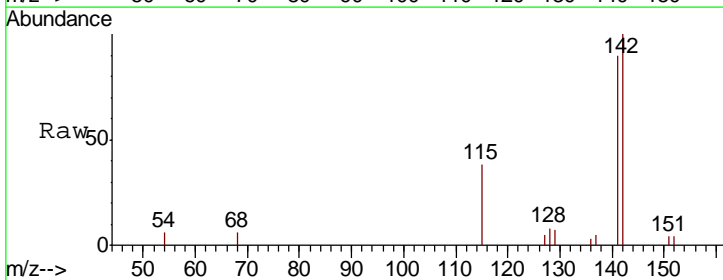
Tgt Ion: 128 Resp: 9396

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 13.8 | 9.0 | 13.6# |
| 127 | 14.3 | 10.6 | 15.8 |

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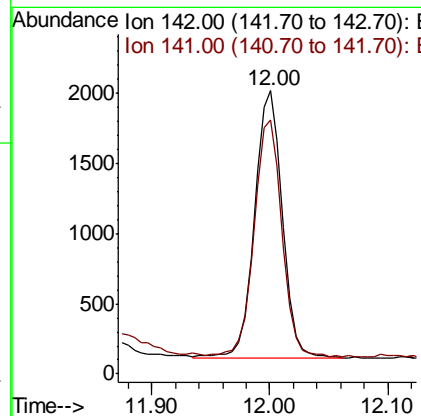
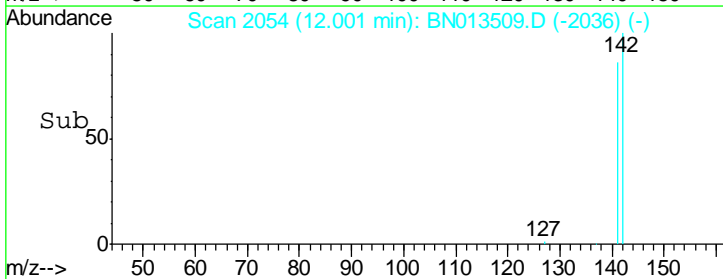


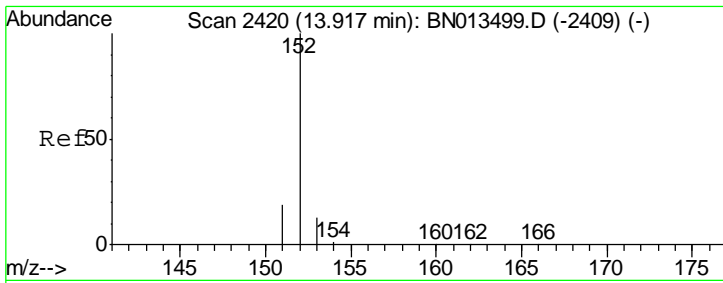
#5
 2-Methylnaphthalene
 Concen: 0.093 ng/ul
 RT: 12.00 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58



Tgt Ion: 142 Resp: 3122

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100 | | |
| 141 | 89.6 | 70.6 | 106.0 |



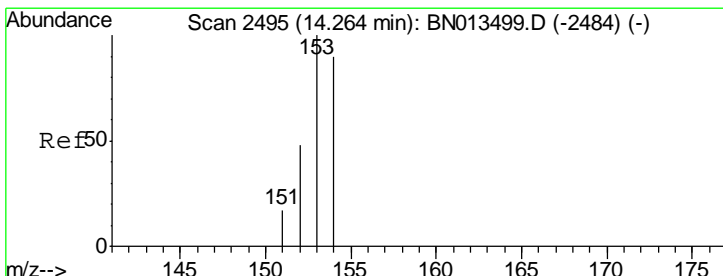
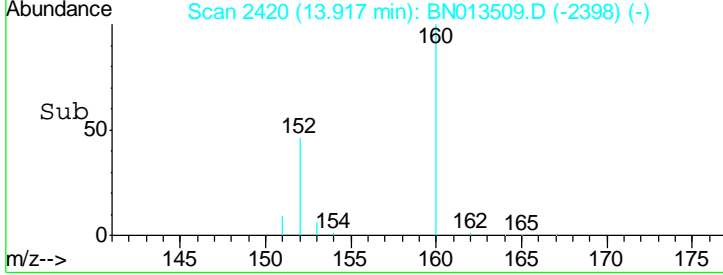
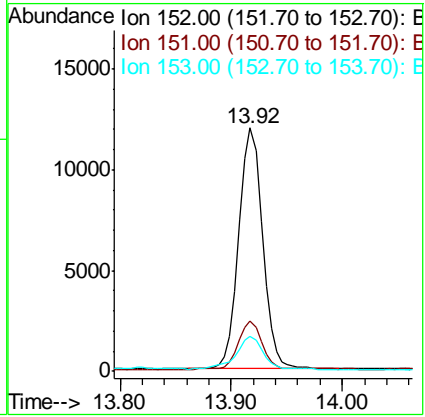
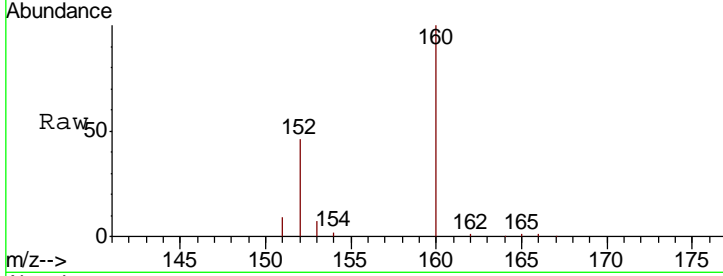


#7
 Acenaphthylene
 Concen: 0.384 ng/ul
 RT: 13.92 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

Instrument :
 BNA_N
 ClientSampled :
 F1C11

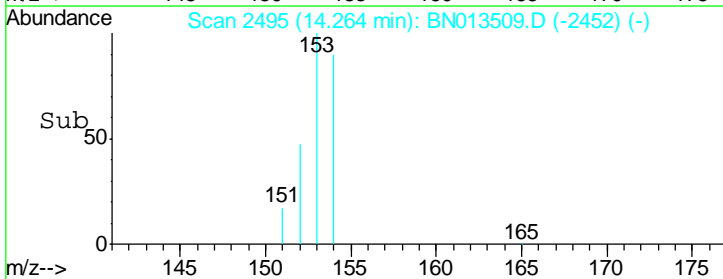
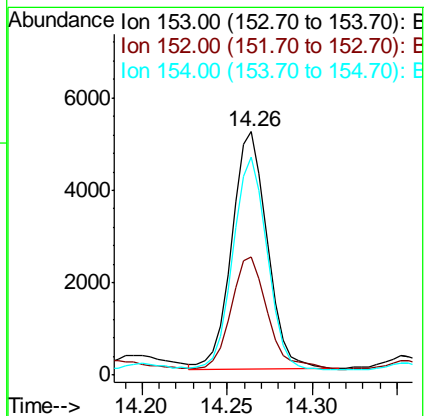
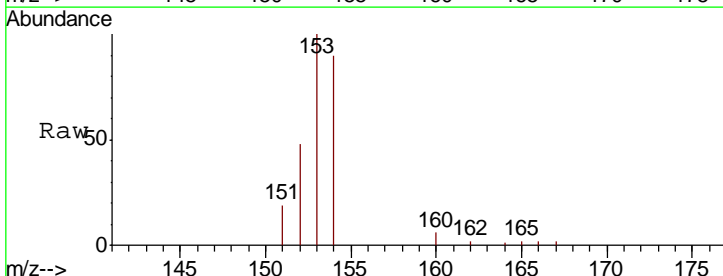
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 152 | 17369 | | |
| 151 | 20.4 | 16.1 | 24.1 |
| 153 | 14.2 | 10.7 | 16.1 |

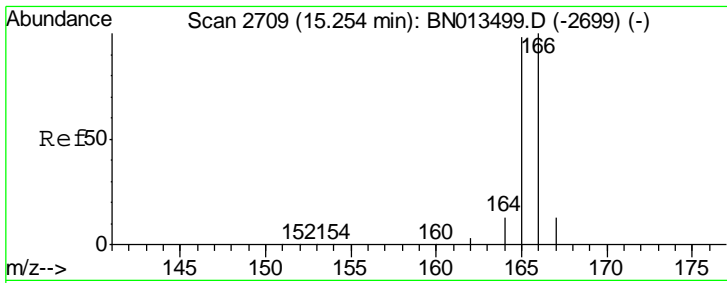
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#8
 Acenaphthene
 Concen: 0.186 ng/ul
 RT: 14.26 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 153 | 7466 | | |
| 152 | 48.3 | 39.5 | 59.3 |
| 154 | 89.8 | 70.6 | 105.8 |





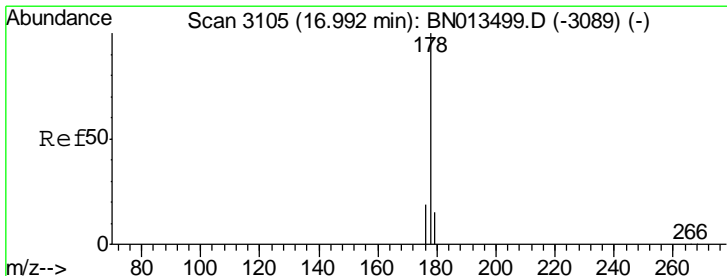
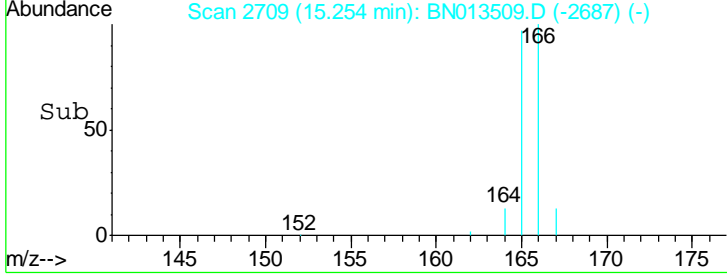
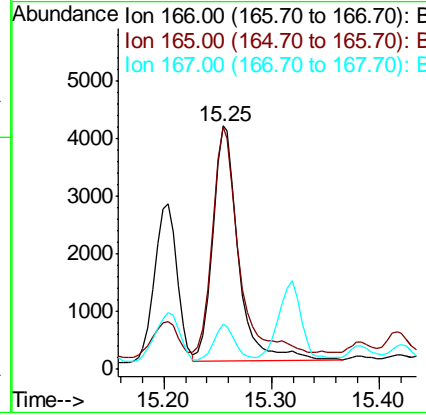
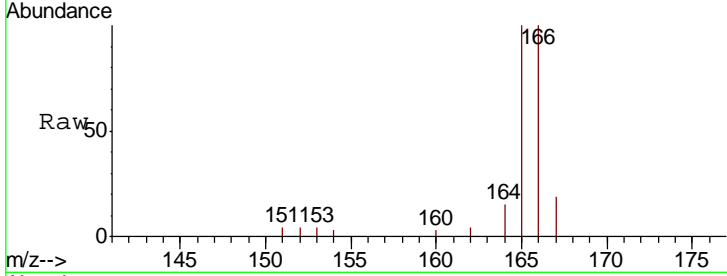
#9
 Fluorene
 Concen: 0.153 ng/ul
 RT: 15.25 min Scan# 2709
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

Instrument :
 BNA_N
 ClientSampled :
 F1C11

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 165 | 99.5 | 78.7 | 118.1 |
| 167 | 18.8 | 11.3 | 16.9# |

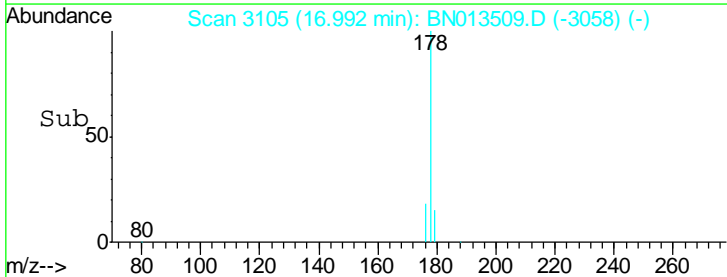
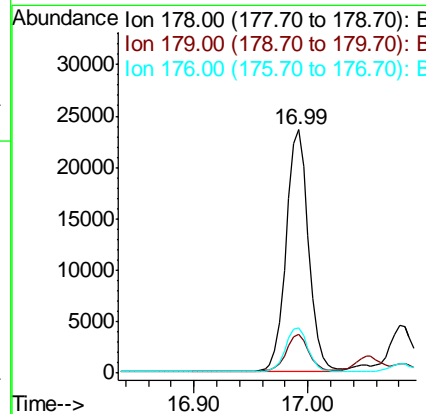
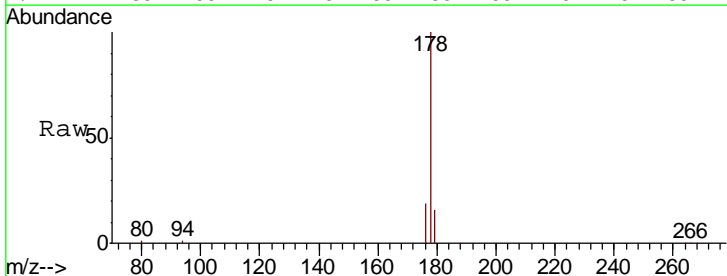
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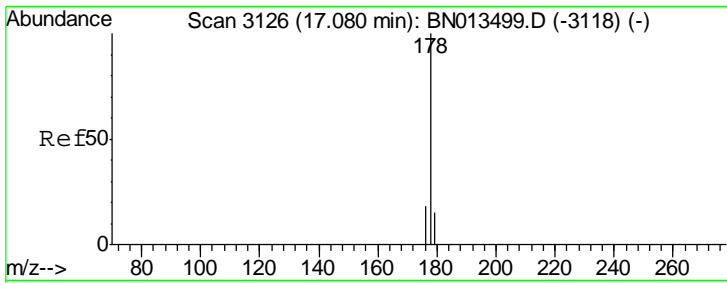
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#12
 Phenanthrene
 Concen: 0.433 ng/ul
 RT: 16.99 min Scan# 3105
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

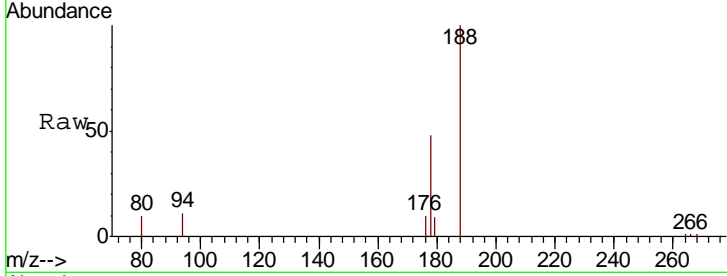
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 178 | 100 | | |
| 179 | 15.9 | 12.5 | 18.7 |
| 176 | 18.8 | 15.6 | 23.4 |





#13
 Anthracene
 Concen: 0.099 ng/ul
 RT: 17.08 min Scan# 3126
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

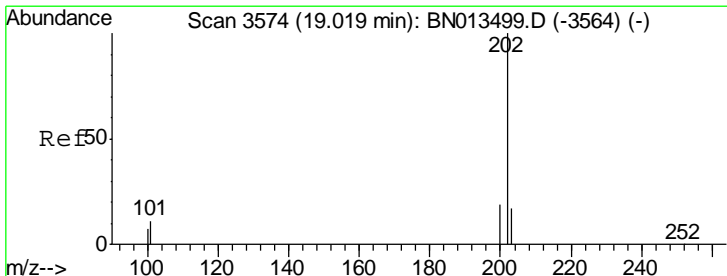
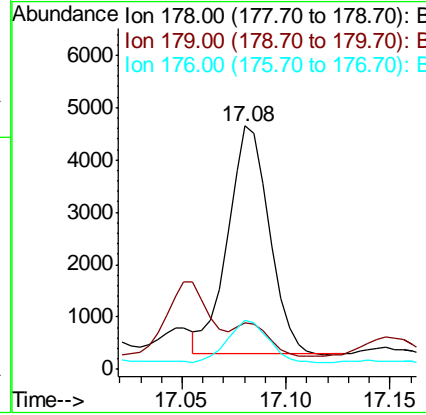
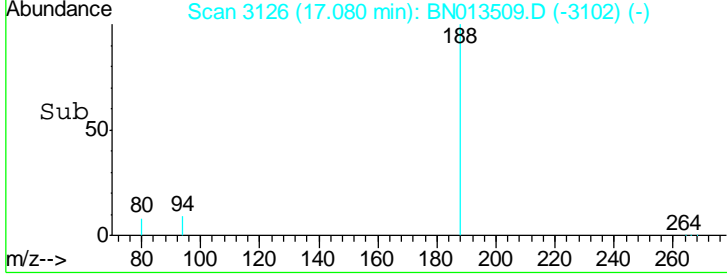
Instrument :
 BNA_N
 ClientSampled :
 F1C11



Tgt Ion: 178 Resp: 6024

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 19.1 | 12.6 | 19.0# |
| 176 | 20.2 | 15.0 | 22.4 |

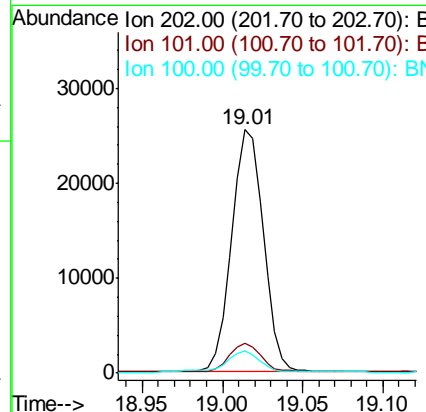
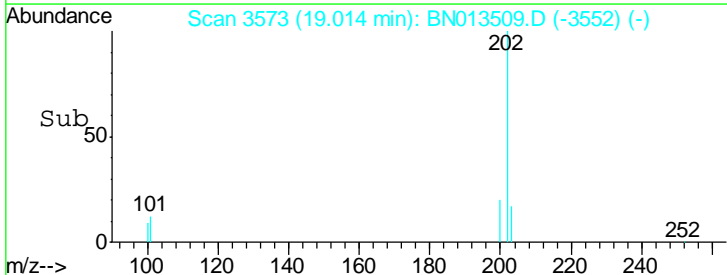
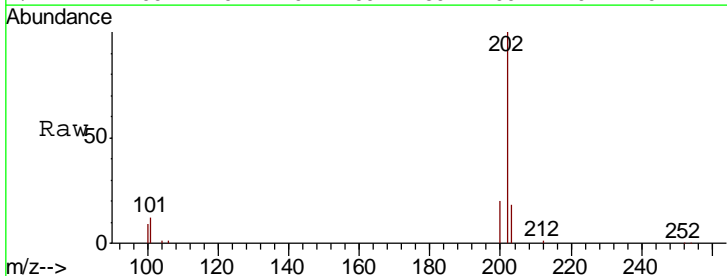
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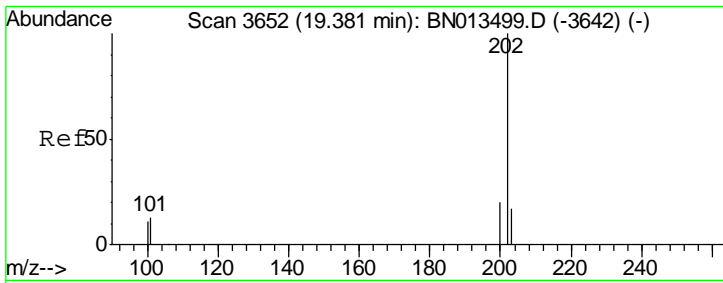


#15
 Fluoranthene
 Concen: 0.428 ng/ul
 RT: 19.01 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

Tgt Ion: 202 Resp: 34748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 31.6 |
| 100 | 9.2 | 0.0 | 28.5 |





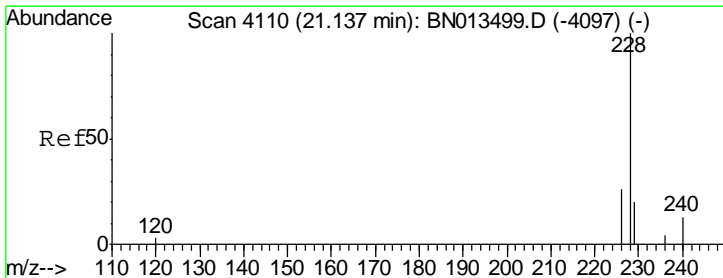
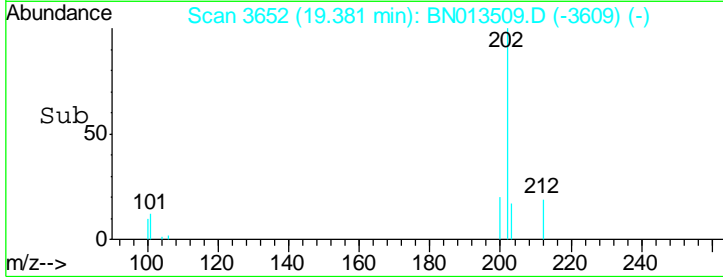
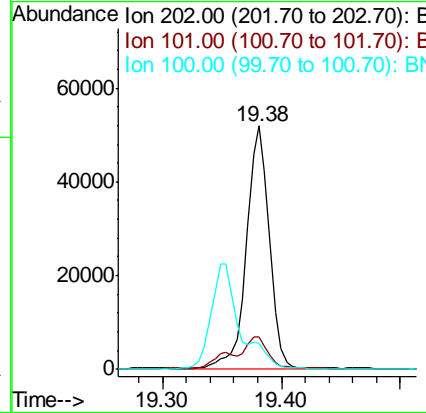
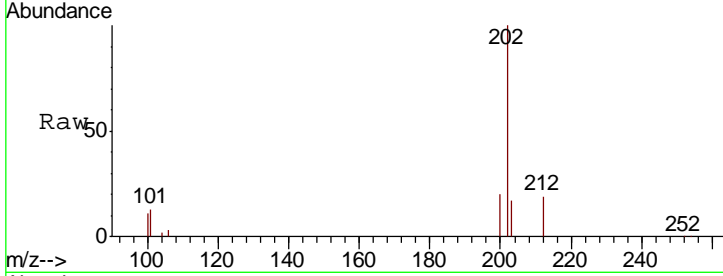
#17
 Pyrene
 Concen: 0.794 ng/ul
 RT: 19.38 min Scan# 3652
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

Instrument :
 BNA_N
 ClientSampled :
 F1C11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202 | 100 | | |
| 101 | 13.3 | 11.2 | 16.8 |
| 100 | 10.6 | 9.0 | 13.4 |

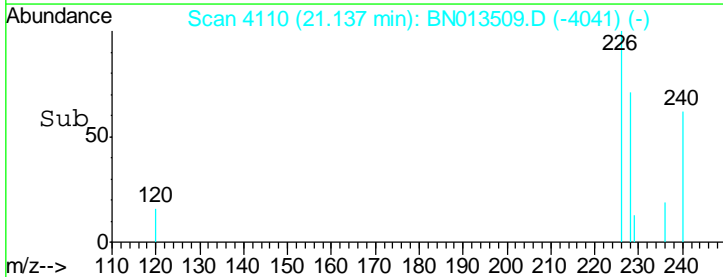
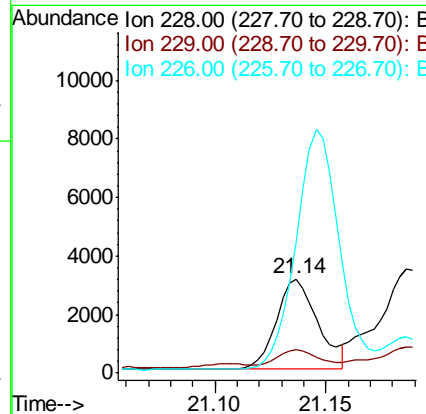
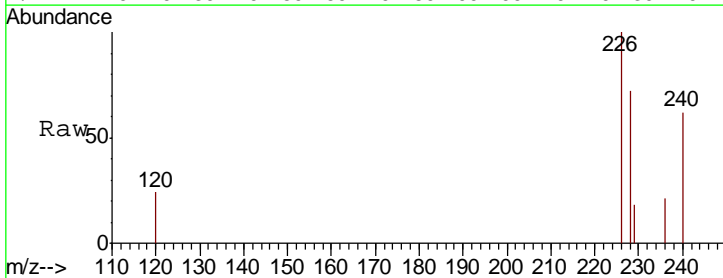
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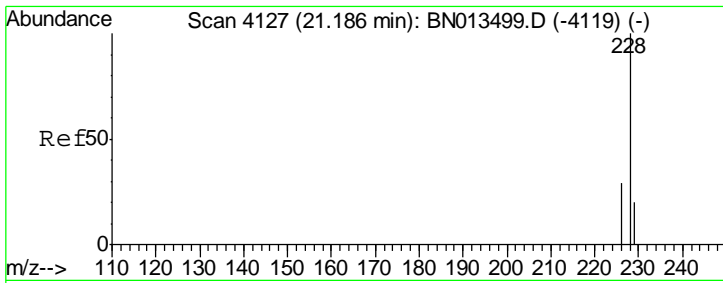
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#18
 Benzo(a)anthracene
 Concen: 0.058 ng/ul
 RT: 21.14 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

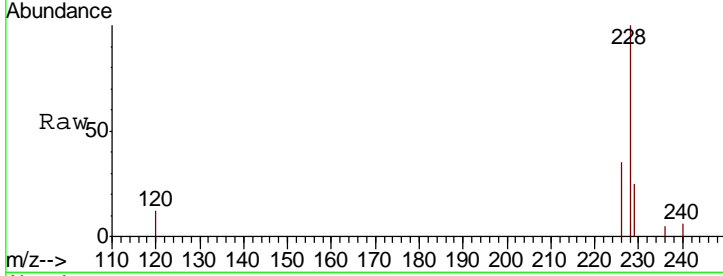
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228 | 100 | | |
| 229 | 25.4 | 15.6 | 23.4# |
| 226 | 139.6 | 21.9 | 32.9# |





#19
 Chrysene
 Concen: 0.062 ng/ul
 RT: 21.19 min Scan# 4127
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

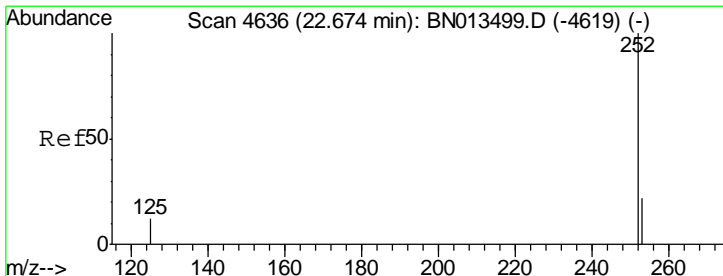
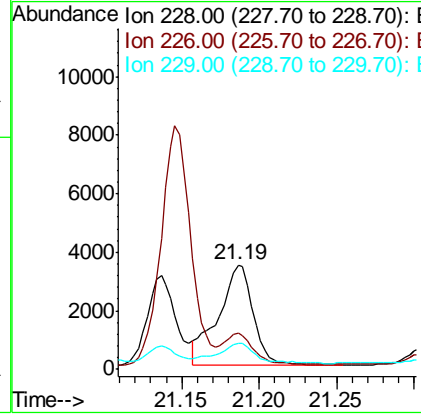
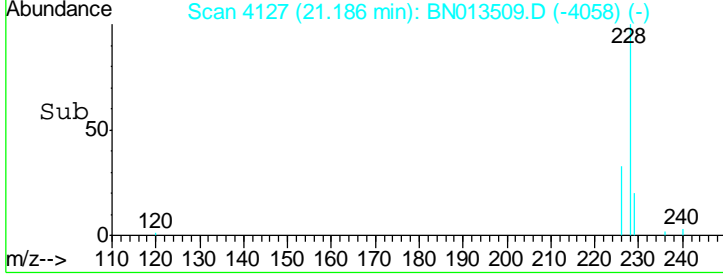
Instrument :
 BNA_N
 ClientSampled :
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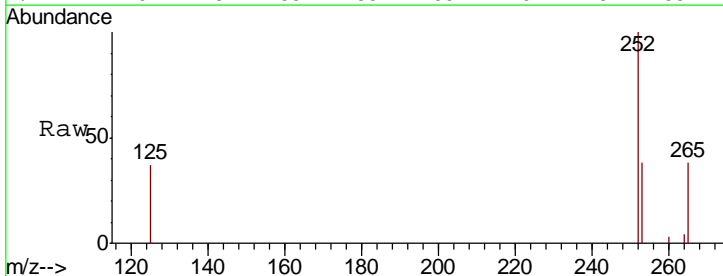
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 228 | 100 | | |
| 226 | 35.1 | 24.0 | 36.0 |
| 229 | 24.9 | 15.8 | 23.8# |

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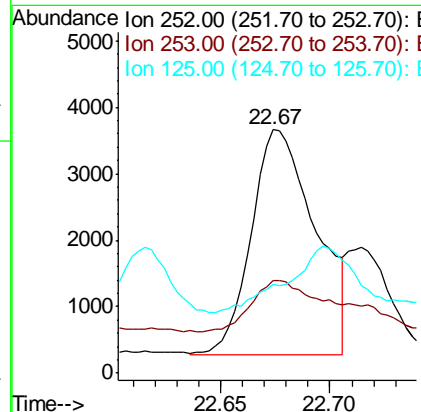
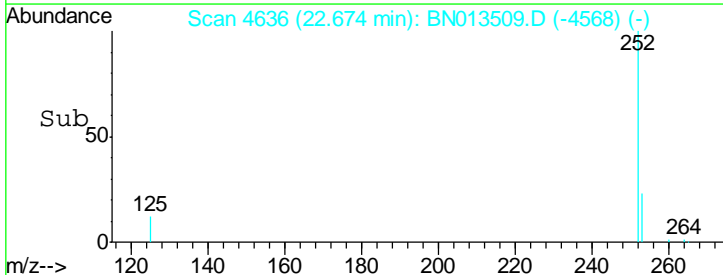
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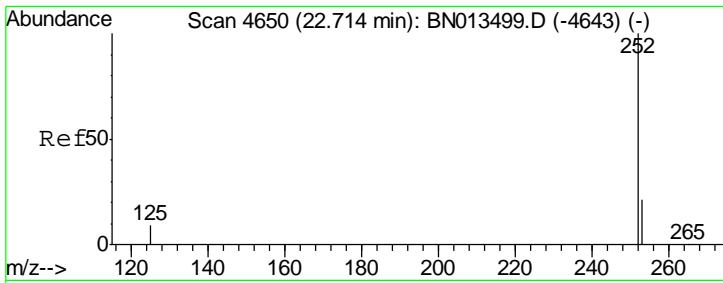


#21
 Benzo(b)fluoranthene
 Concen: 0.083 ng/ul m
 RT: 22.67 min Scan# 4636
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58



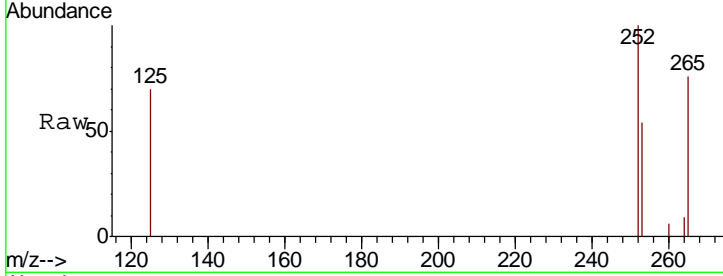
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 252 | 100 | | |
| 253 | 38.1 | 0.0 | 47.4 |
| 125 | 36.6 | 0.0 | 26.8# |





#22
 Benzo(k)fluoranthene
 Concen: 0.025 ng/ul m
 RT: 22.71 min Scan# 4650
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

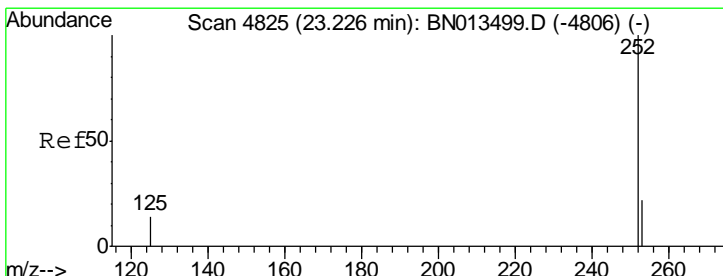
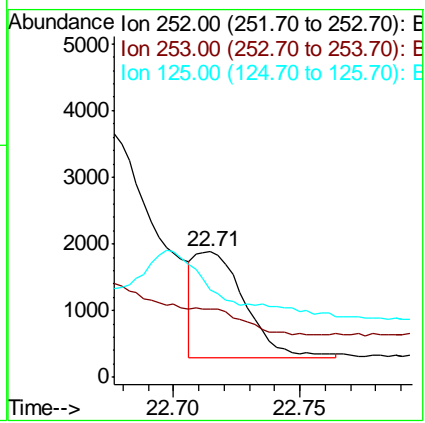
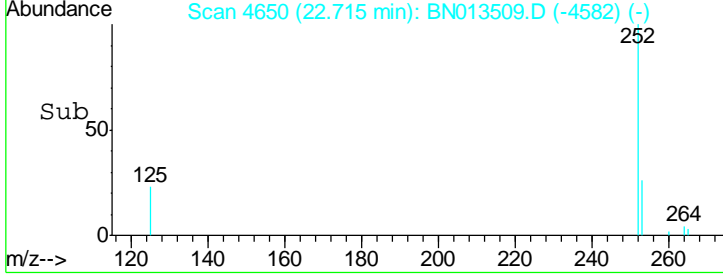
Instrument :
 BNA_N
ClientSampled :
 F1C11



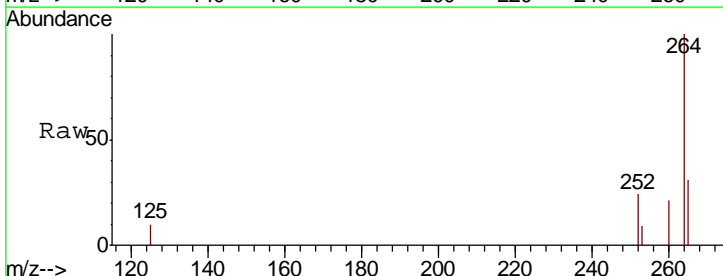
Tgt Ion: 252 Resp: 2220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 53.9 | 19.2 | 28.8# |
| 125 | 69.7 | 11.4 | 17.2# |

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 1/28/2021 11:44:17 AM

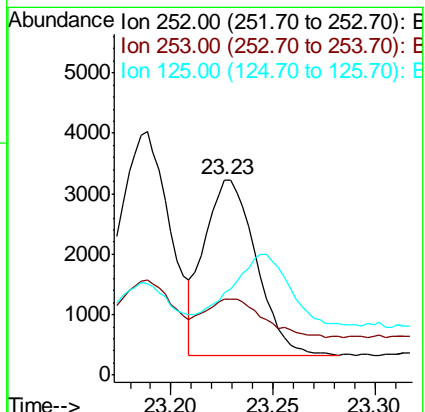
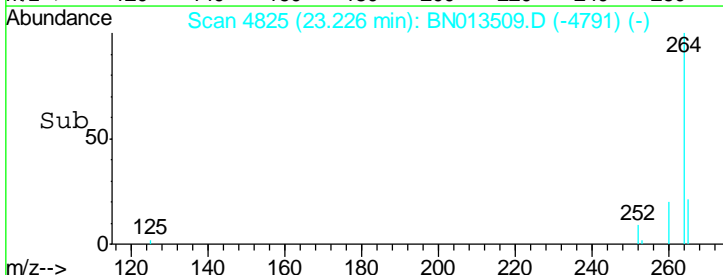


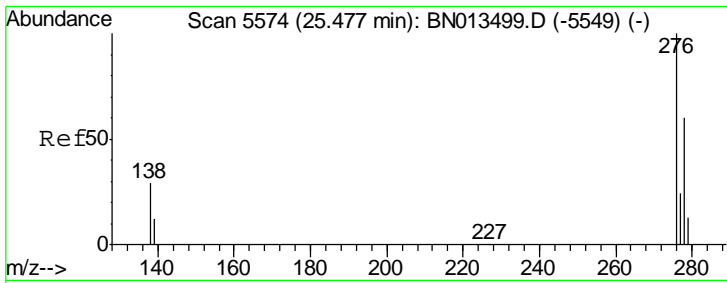
#23
 Benzo(a)pyrene
 Concen: 0.071 ng/ul
 RT: 23.23 min Scan# 4825
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58



Tgt Ion: 252 Resp: 5108

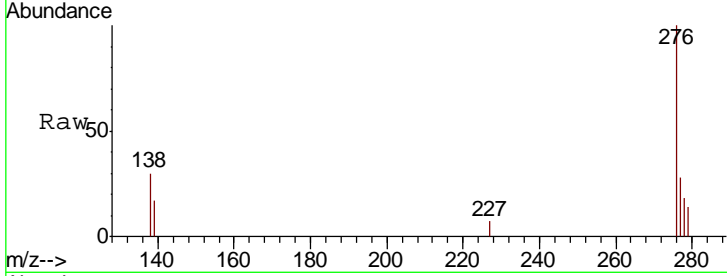
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 38.8 | 20.1 | 30.1# |
| 125 | 42.3 | 13.1 | 19.7# |





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.048 ng/ul
 RT: 25.47 min Scan# 5573
 Delta R.T. -0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58

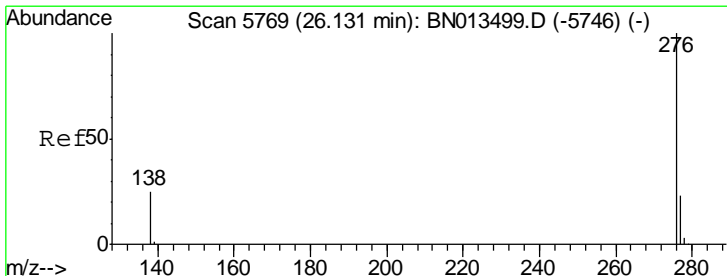
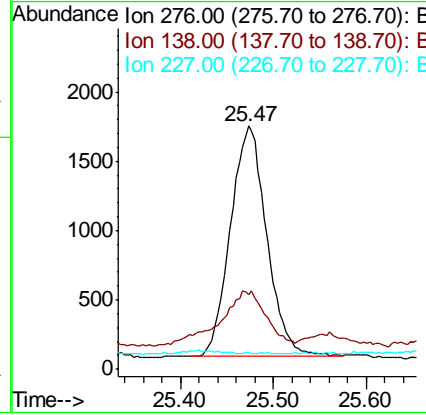
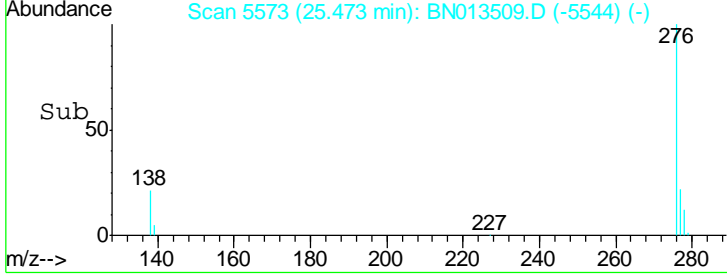
Instrument :
 BNA_N
ClientSampled :
 F1C11



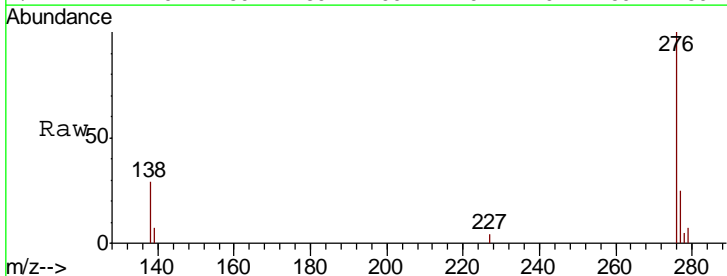
Tgt Ion: 276 Resp: 4538

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 28.0 | 0.0 | 0.0# |
| 227 | 0.1 | 0.0 | 0.0# |

Manual Integrations
APPROVED
 mohammad
 1/28/2021 11:44:17 AM



#26
 Benzo(g,h,i)perylene
 Concen: 0.108 ng/ul
 RT: 26.13 min Scan# 5770
 Delta R.T. 0.00 min
 Lab File: BN013509.D
 Acq: 27 Jan 2021 15:58



Tgt Ion: 276 Resp: 9089

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 28.9 | 21.0 | 31.4 |
| 277 | 24.8 | 19.5 | 29.3 |

