Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\
Data File : BM025241.D
Acq On : 04 Mar 2020 09:16
Operator : CG/JU
Sample : L1516-06
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD24

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mohammad
3/5/2020 7:56:56 AM

Quant Time: Mar 04 11:37:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 08:02:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 4660 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.44 | 136 | 20391 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.30 | 164 | 15143 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.05 | 188 | 36686m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.23 | 240 | 35126 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.42 | 264 | 32374 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.04 | 152 | 8338 | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.08 | 212 | 24385 | 0.20 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.09 | 178 | 5454 | 0.046 | ng/ul | 99 |
| 15) Fluoranthene | 19.10 | 202 | 15361 | 0.104 | ng/ul | 97 |
| 17) Pyrene | 19.47 | 202 | 14777m | 0.111 | ng/ul | |
| 18) Benzo(a)anthracene | 21.22 | 228 | 9140 | 0.071 | ng/ul | 97 |
| 19) Chrysene | 21.27 | 228 | 23587 | 0.166 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.77 | 252 | 32178 | 0.248 | ng/ul | 95 |
| 22) Benzo(k)fluoranthene | 22.81 | 252 | 12137 | 0.089 | ng/ul# | 80 |
| 23) Benzo(a)pyrene | 23.33 | 252 | 14429 | 0.133 | ng/ul# | 94 |
| 24) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 16060 | 0.118 | ng/ul# | 100 |
| 25) Dibenzo(a,h)anthracene | 25.61 | 278 | 4583 | 0.041 | ng/ul# | 85 |
| 26) Benzo(g,h,i)perylene | 26.27 | 276 | 12419 | 0.108 | ng/ul# | 94 |

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

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**Instrument :**
BNA_M
**ClientSampleId :**
DBD24

**Manual Integrations APPROVED**
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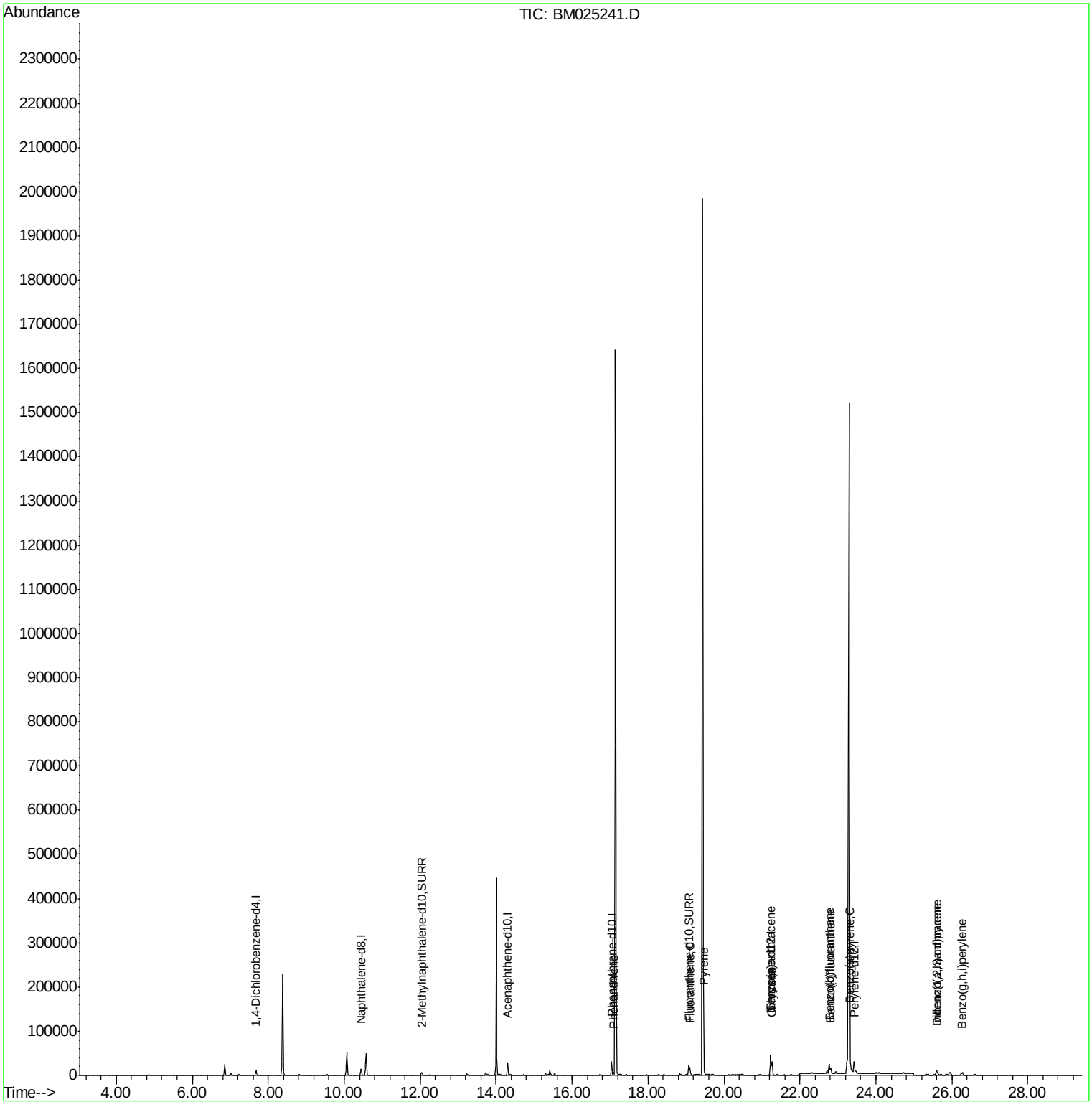
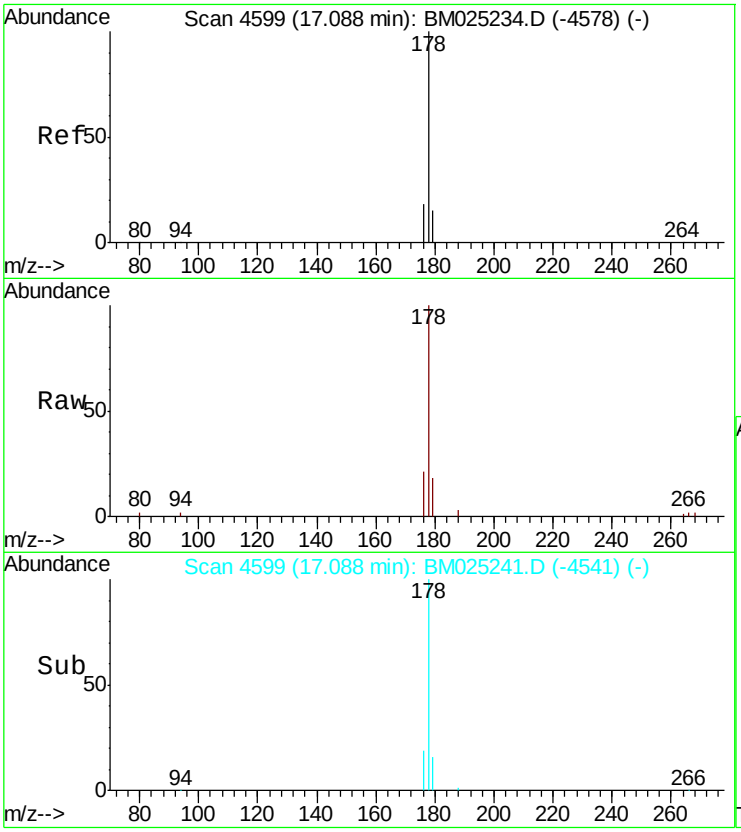
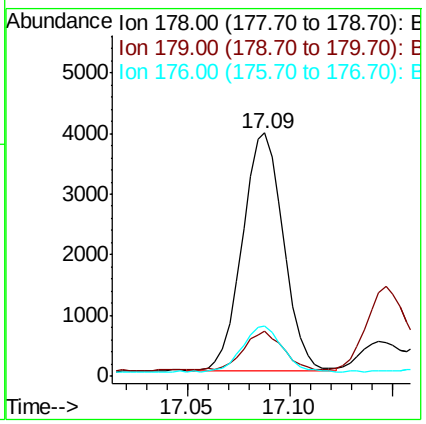





#12
Phenanthrene
Concen: 0.046 ng/ul
RT: 17.09 min Scan# 4599
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:178 Resp: 5454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.5 | 14.0 | 21.0 |
| 176 | 20.6 | 16.6 | 24.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD24

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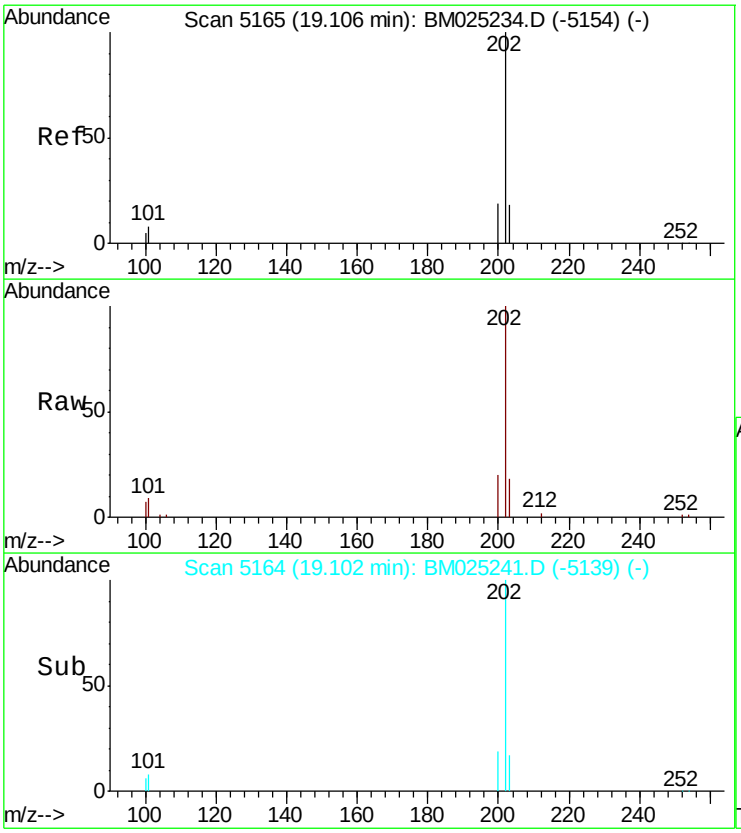
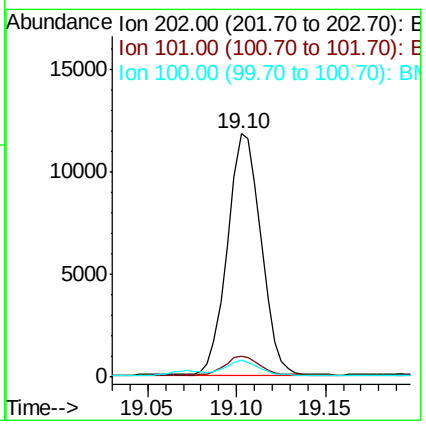
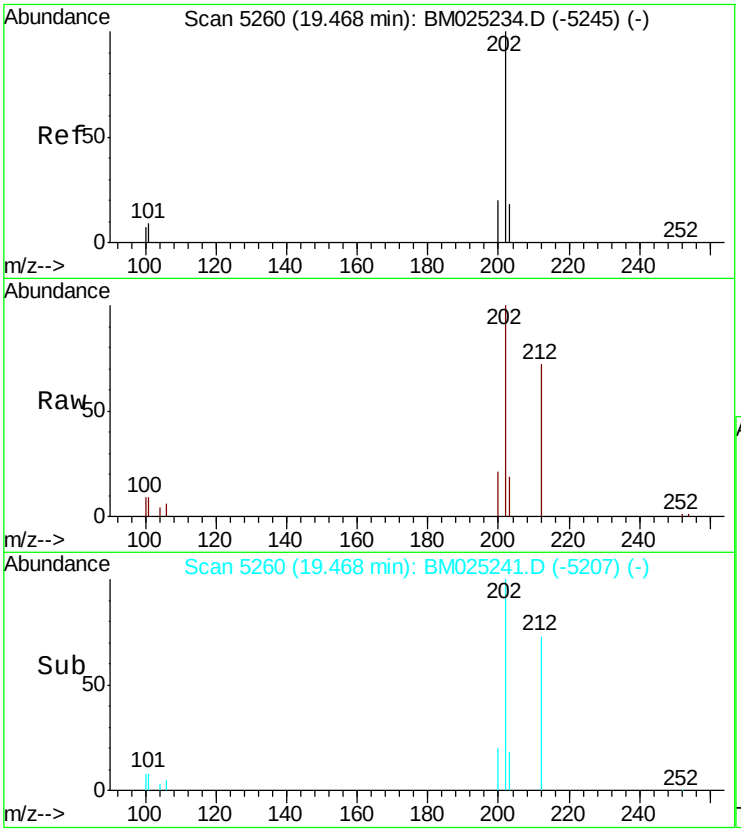



#15
Fluoranthene
Concen: 0.104 ng/ul
RT: 19.10 min Scan# 5164
Delta R.T. -0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:202 Resp: 15361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.7 | 0.0 | 29.4 |
| 100 | 6.8 | 0.0 | 28.0 |

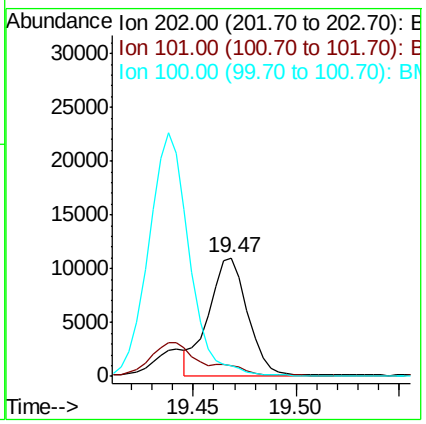





#17
Pyrene
Concen: 0.111 ng/ul m
RT: 19.47 min Scan# 5260
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:202 Resp: 14777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.3 | 8.7 | 13.1 |
| 100 | 8.5 | 7.3 | 10.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD24

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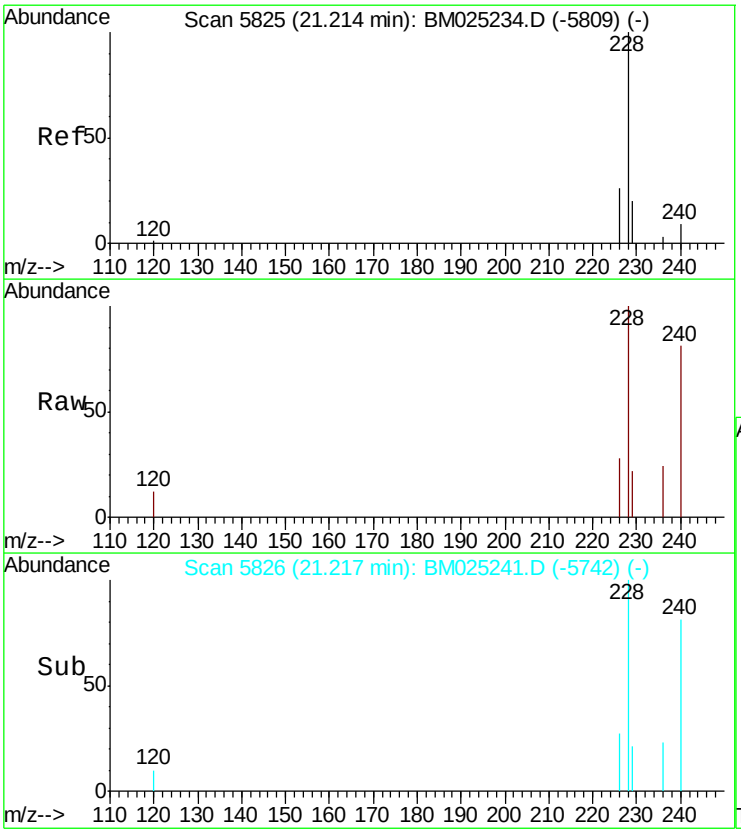
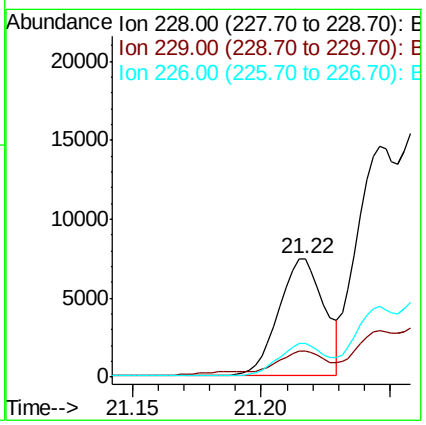
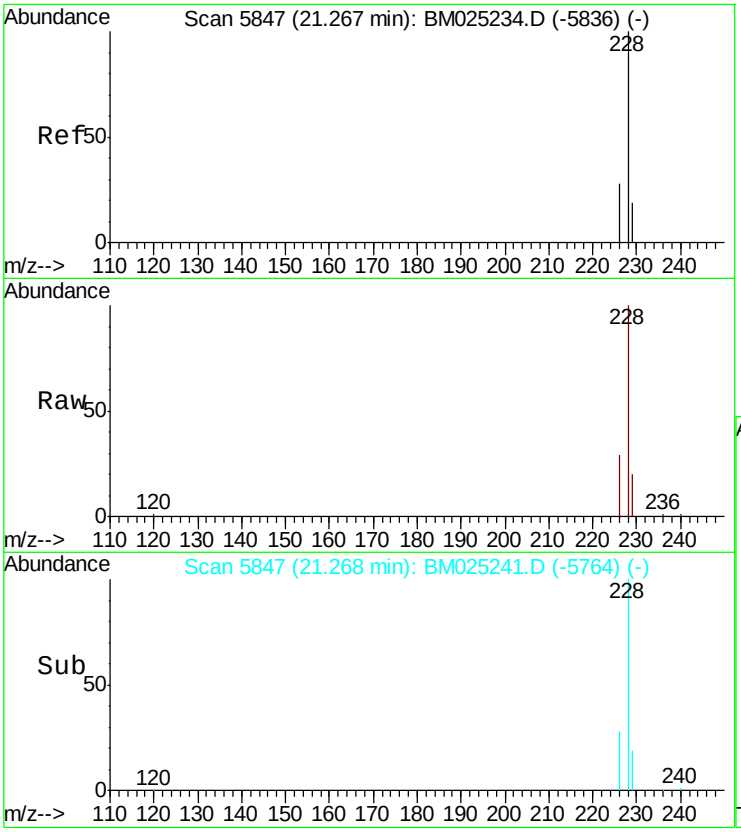



#18
Benzo(a)anthracene
Concen: 0.071 ng/ul
RT: 21.22 min Scan# 5826
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:228 Resp: 9140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.5 | 16.6 | 25.0 |
| 226 | 28.4 | 21.9 | 32.9 |

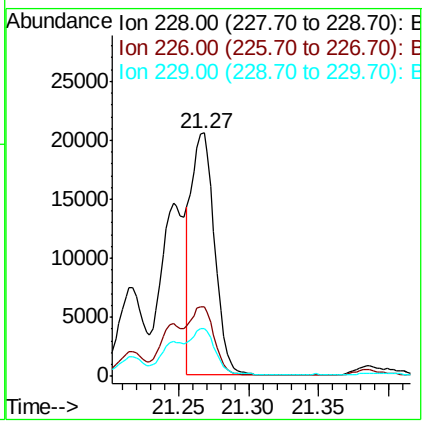





#19
Chrysene
Concen: 0.166 ng/ul
RT: 21.27 min Scan# 5847
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:228 Resp: 23587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 23.8 | 35.8 |
| 229 | 19.8 | 16.9 | 25.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD24

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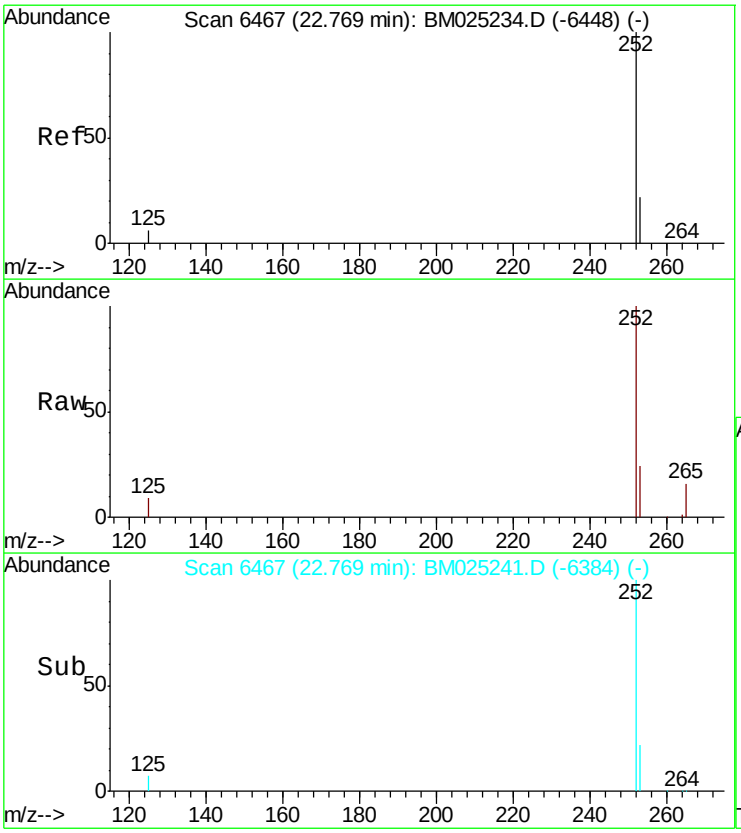
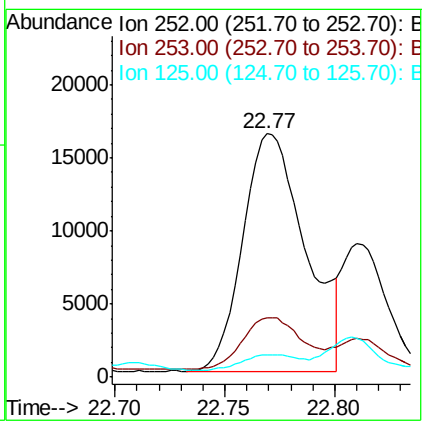
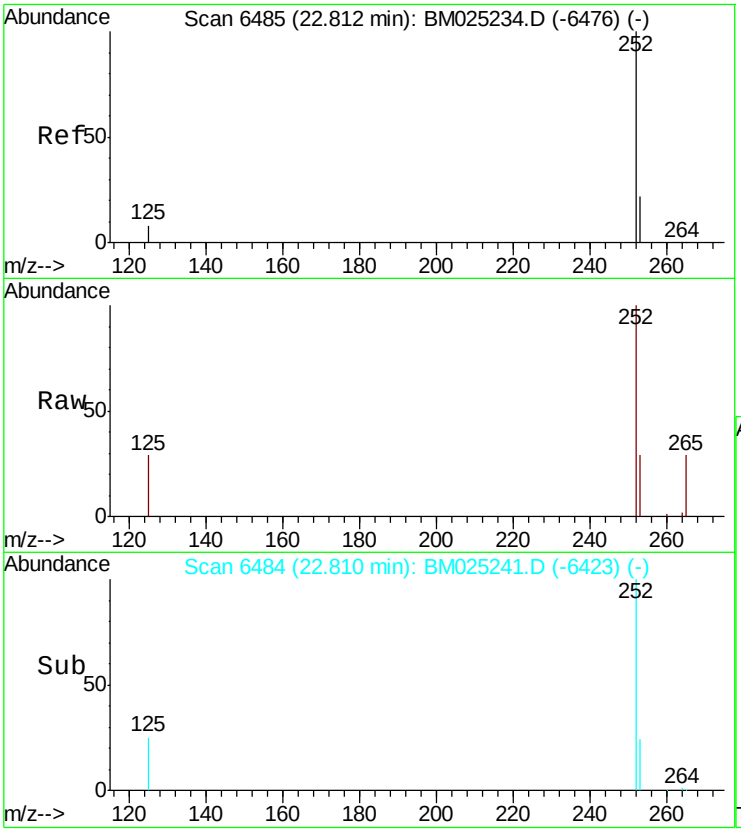



#21
Benzo(b)fluoranthene
Concen: 0.248 ng/ul
RT: 22.77 min Scan# 6467
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:252 Resp: 32178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 0.0 | 49.8 |
| 125 | 9.3 | 0.0 | 28.6 |






#22
Benzo(k)fluoranthene
Concen: 0.089 ng/ul
RT: 22.81 min Scan# 6484
Delta R.T. -0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:252 Resp: 12137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.0 | 19.4 | 29.0 |
| 125 | 28.6 | 10.7 | 16.1# |

**Instrument :**
BNA_M
**ClientSampleId :**
DBD24

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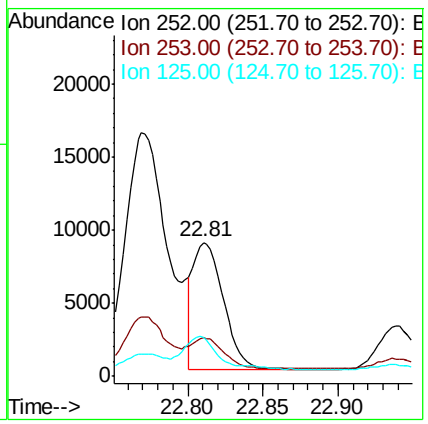
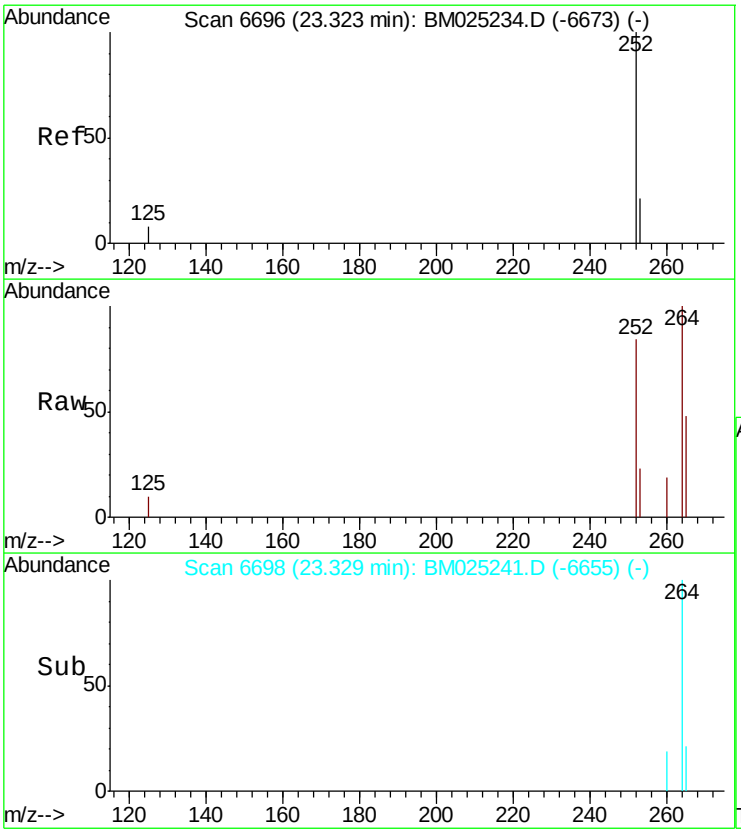
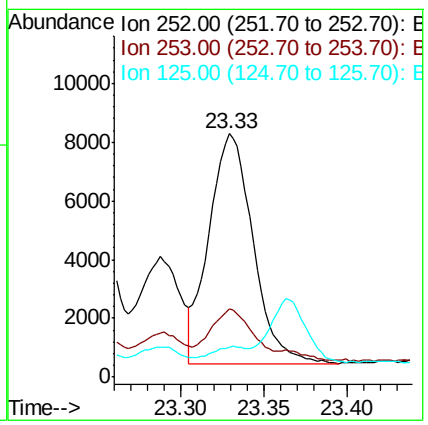


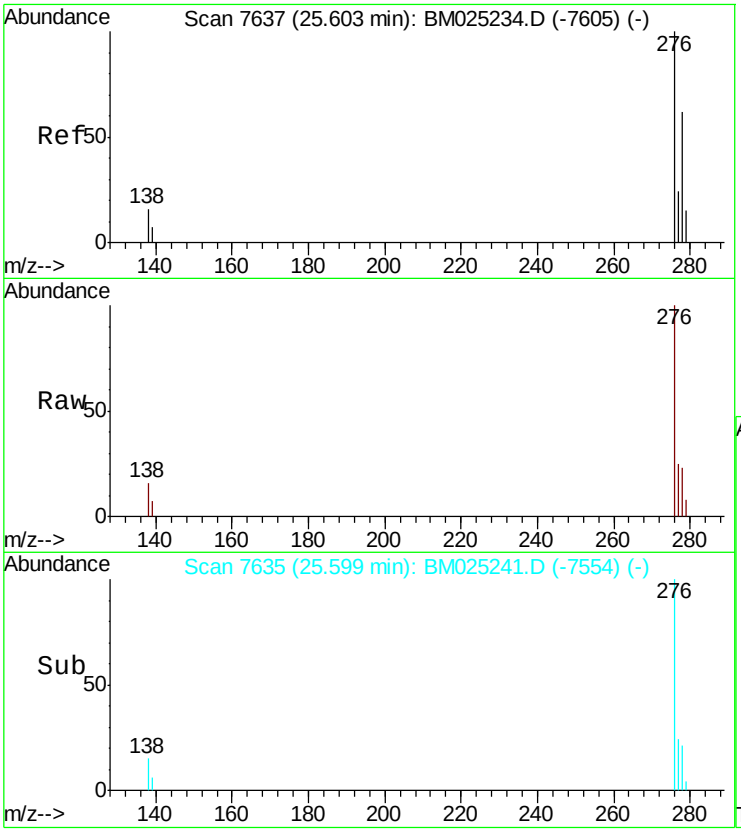




#23
Benzo(a)pyrene
Concen: 0.133 ng/ul
RT: 23.33 min Scan# 6698
Delta R.T. 0.01 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:252 Resp: 14429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.8 | 20.3 | 30.5 |
| 125 | 12.4 | 13.0 | 19.4# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.118 ng/ul
RT: 25.60 min Scan# 7635
Delta R.T. -0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:276 Resp: 16060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.9 | 0.0 | 0.0# |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
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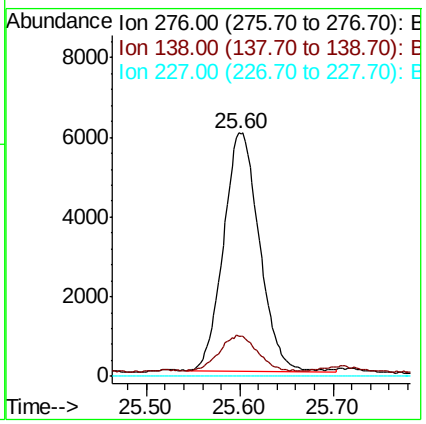
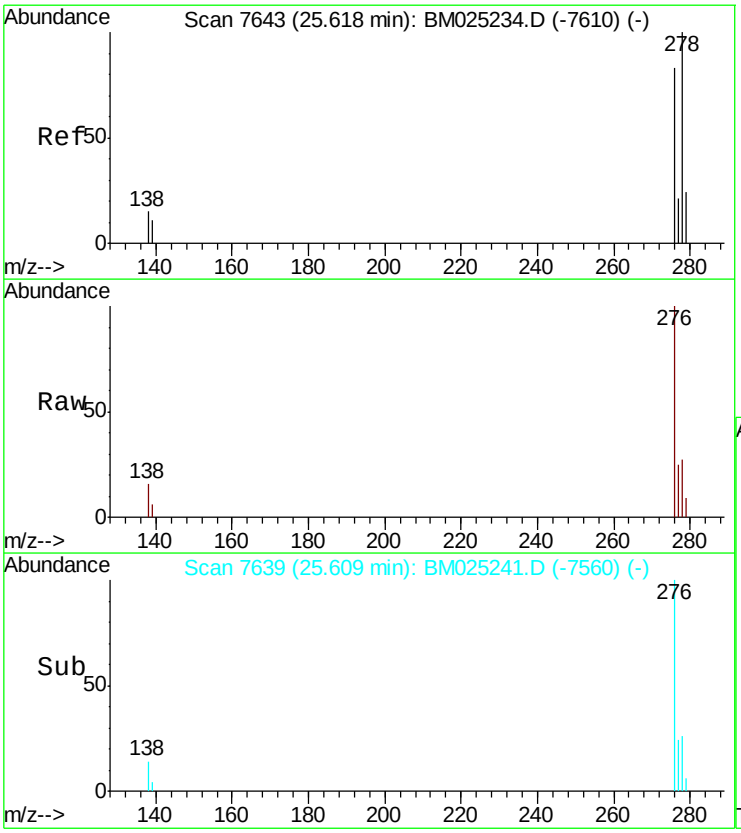
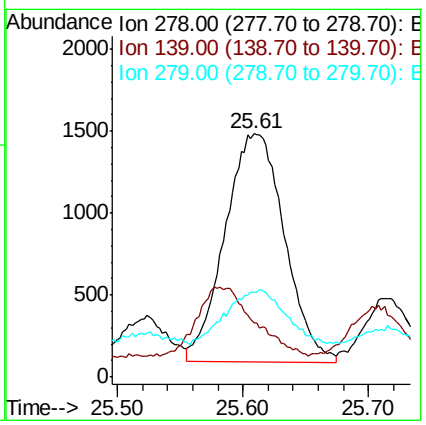


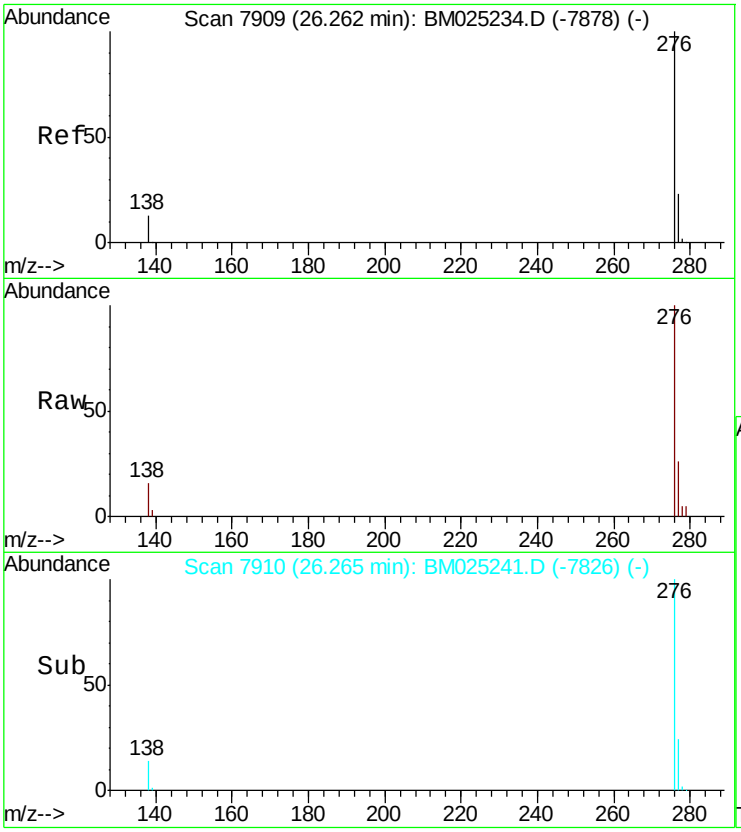




#25
Dibenzo(a,h)anthracene
Concen: 0.041 ng/ul
RT: 25.61 min Scan# 7639
Delta R.T. -0.01 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:278 Resp: 4583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.3 | 13.2 | 19.8# |
| 279 | 34.7 | 21.0 | 31.4# |

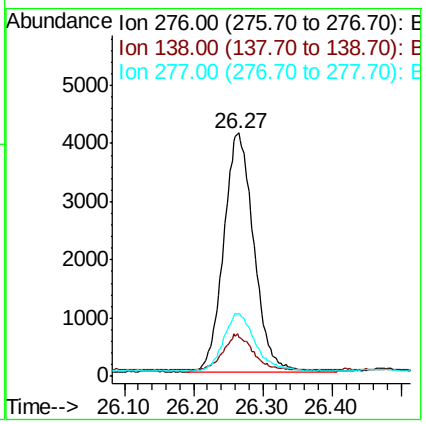





#26
Benzo(g,h,i)perylene
Concen: 0.108 ng/ul
RT: 26.27 min Scan# 7910
Delta R.T. 0.00 min
Lab File: BM025241.D
Acq: 04 Mar 2020 09:16

Tgt Ion:276 Resp: 12419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.1 | 17.9 | 26.9# |
| 277 | 25.8 | 20.5 | 30.7 |




**Instrument :**
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