Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
Data File : BM049040.D
Acq On : 18 Dec 2024 02:35
Operator : RC/JU
Sample : P5155-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E28Q8

Quant Time: Dec 18 04:08:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 17 10:03:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.573 | 152 | 13321 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.336 | 136 | 43060 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.205 | 164 | 24246 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.950 | 188 | 49435m | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.146 | 240 | 35518m | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.306 | 264 | 36086m | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.151 | 96 | 42617 | 2.737 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.930 | 152 | 12143 | 0.221 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.987 | 212 | 24743m | 0.233 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.380 | 128 | 2946 | 0.027 | ng/ul# | 76 |
| 7) 2-Methylnaphthalene | 12.007 | 142 | 3367 | 0.050 | ng/ul | 96 |
| 8) 1-Methylnaphthalene | 12.227 | 142 | 3186 | 0.046 | ng/ul | 95 |
| 15) Phenanthrene | 16.992 | 178 | 7554m | 0.056 | ng/ul | |
| 19) Fluoranthene | 19.015 | 202 | 2984m | 0.020 | ng/ul | |
| 20) Pyrene | 19.377 | 202 | 4516m | 0.028 | ng/ul | |
| 22) Chrysene | 21.181 | 228 | 4811m | 0.034 | ng/ul | |
| 29) Benzo(g,h,i)perylene | 26.101 | 276 | 6288m | 0.048 | ng/ul | |

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

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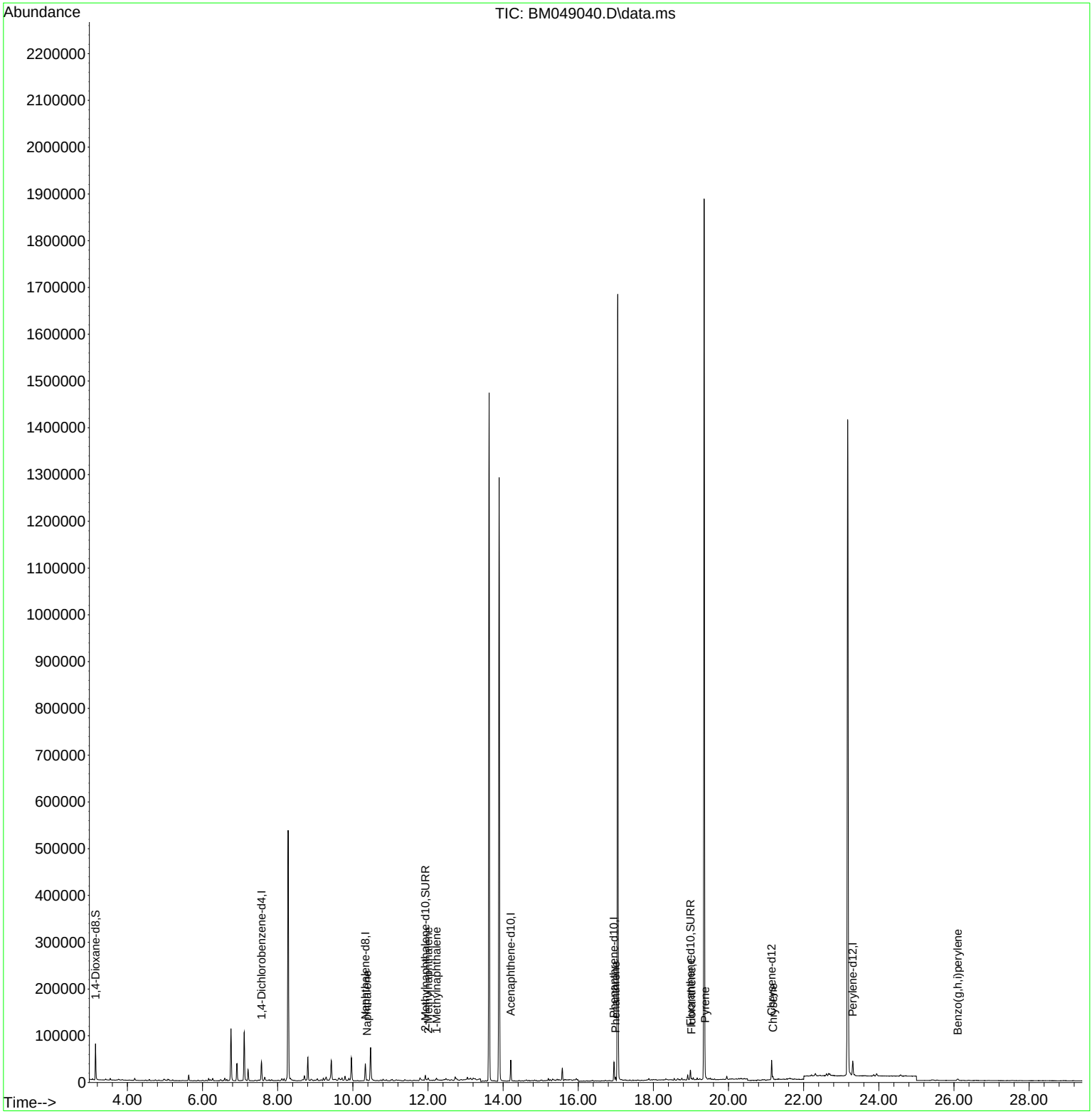
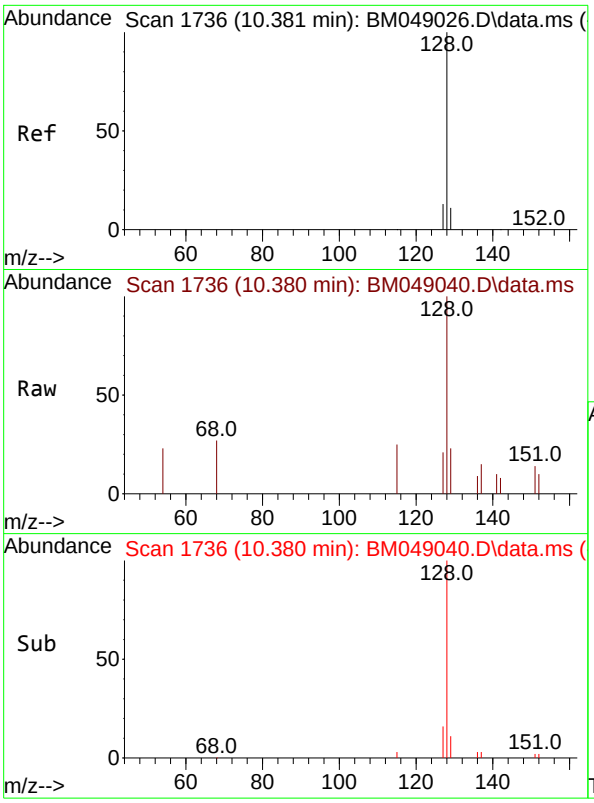


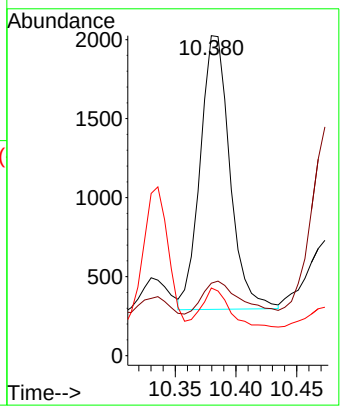


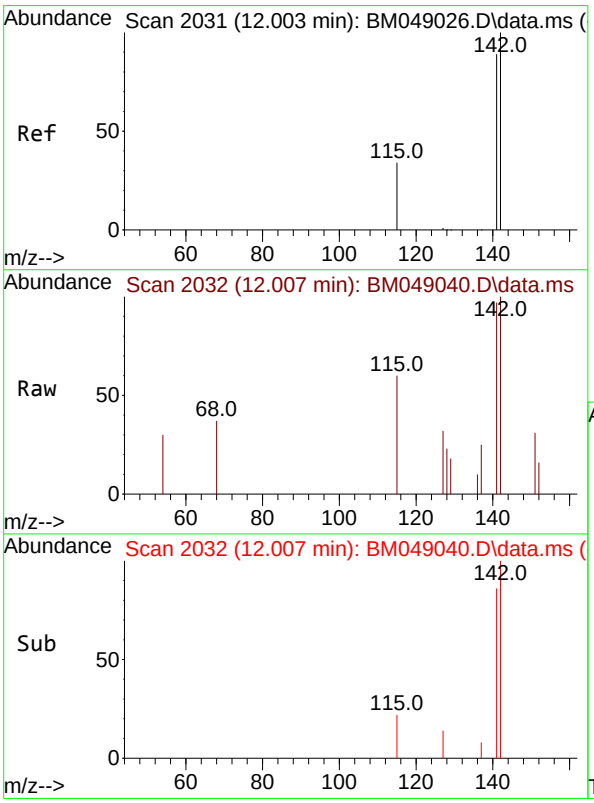

#5
Naphthalene
Concen: 0.027 ng/ul
RT: 10.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

**Instrument :**
BNA_M
**ClientSampleId :**
E28Q8

Tgt Ion:128 Resp: 2946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 22.7 | 9.4 | 14.2# |
| 127 | 21.1 | 10.6 | 16.0# |

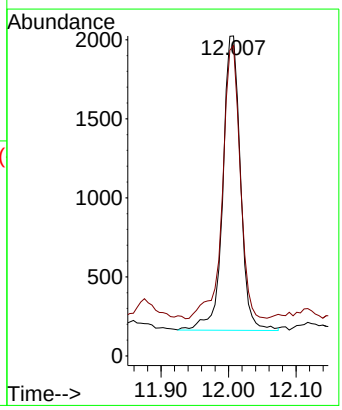


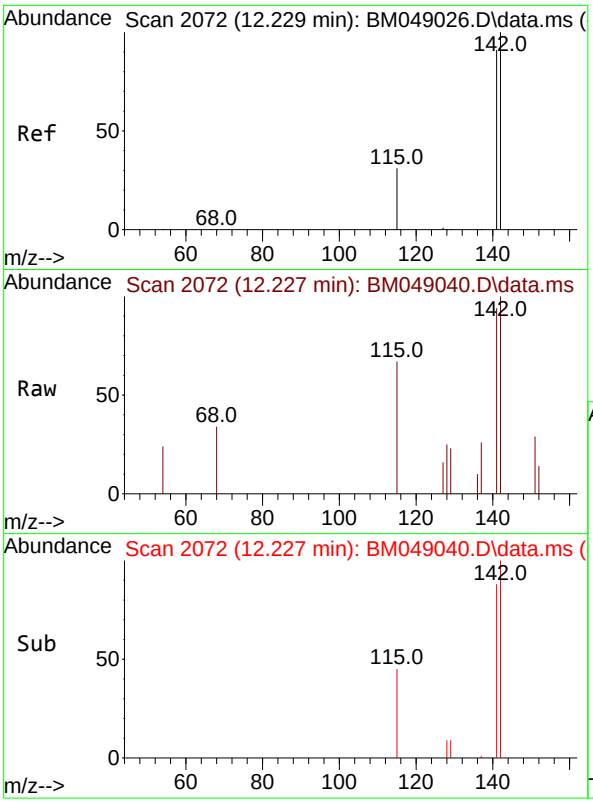




#7
2-Methylnaphthalene
Concen: 0.050 ng/ul
RT: 12.007 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

Tgt Ion:142 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.9 | 71.2 | 106.8 |



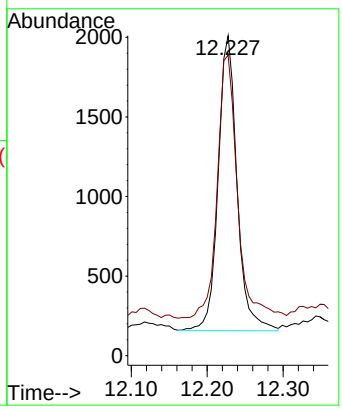


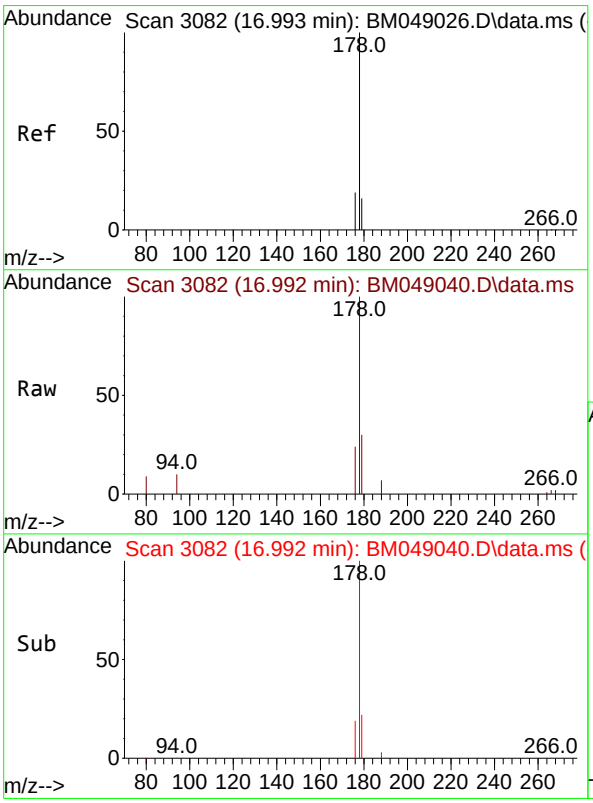

#8
1-Methylnaphthalene
Concen: 0.046 ng/ul
RT: 12.227 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

**Instrument :**
BNA_M
**ClientSampleId :**
E28Q8

Tgt Ion:142 Resp: 3186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 95.3 | 72.8 | 109.2 |

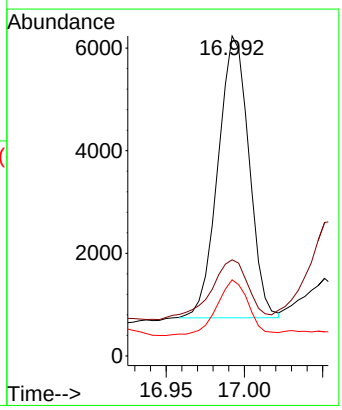


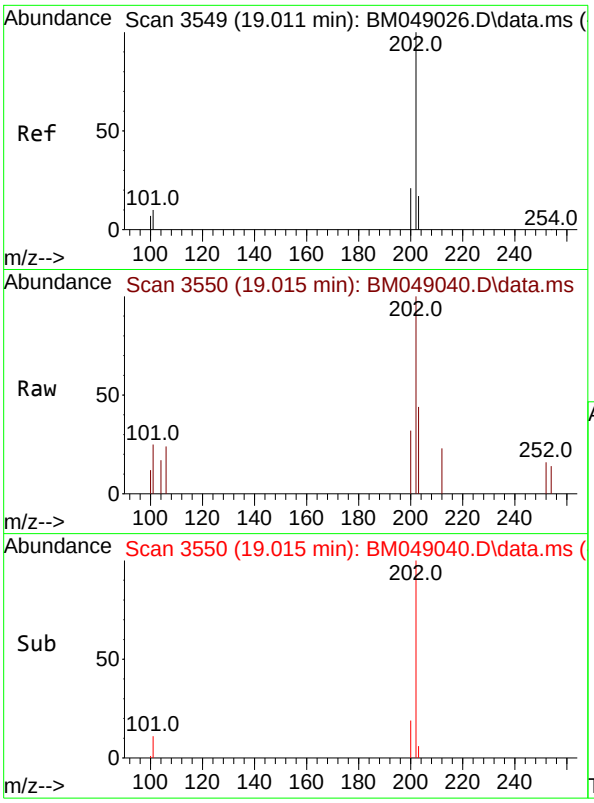




#15
Phenanthrene
Concen: 0.056 ng/ul m
RT: 16.992 min Scan# 3082
Delta R.T. -0.004 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

Tgt Ion:178 Resp: 7554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 30.0 | 13.0 | 19.6# |
| 176 | 23.8 | 15.8 | 23.8# |



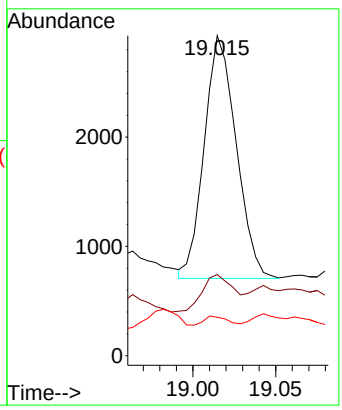


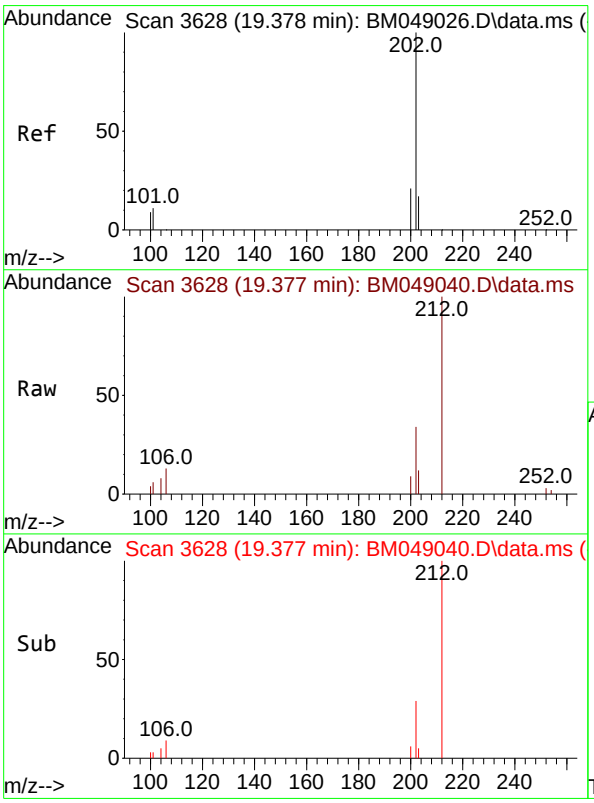

#19
Fluoranthene
Concen: 0.020 ng/ul m
RT: 19.015 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

**Instrument :**
BNA_M
**ClientSampleId :**
E28Q8

Tgt Ion:202 Resp: 2984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 25.3 | 9.7 | 14.5# |
| 100 | 12.0 | 7.3 | 10.9# |

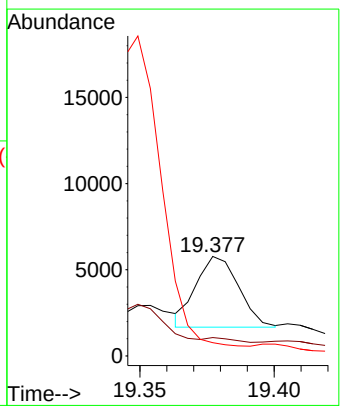


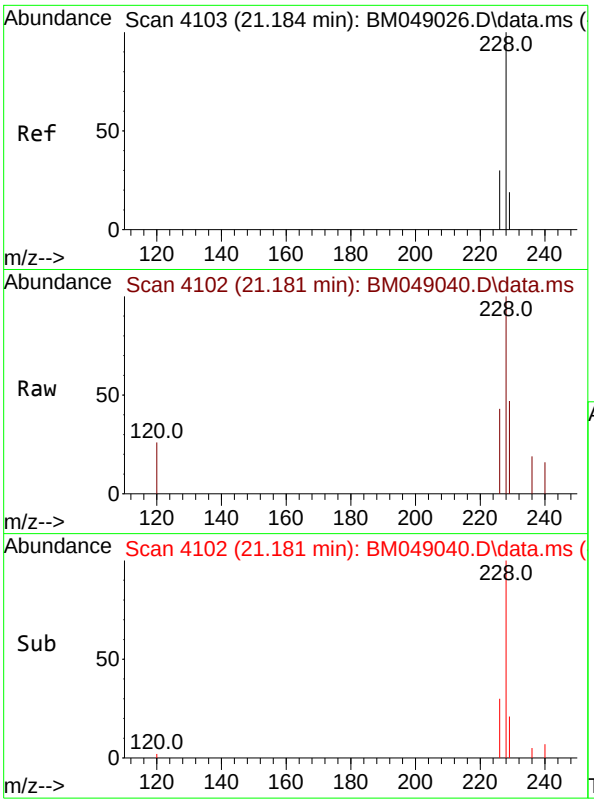




#20
Pyrene
Concen: 0.028 ng/ul m
RT: 19.377 min Scan# 3628
Delta R.T. -0.005 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

Tgt Ion:202 Resp: 4516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.4 | 10.6 | 16.0# |
| 100 | 13.4 | 8.4 | 12.6# |



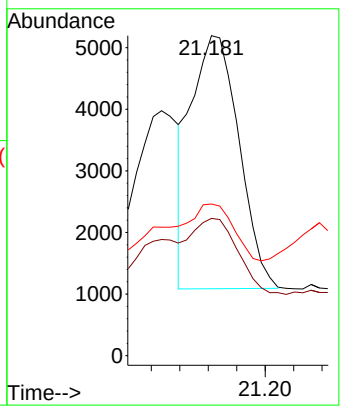


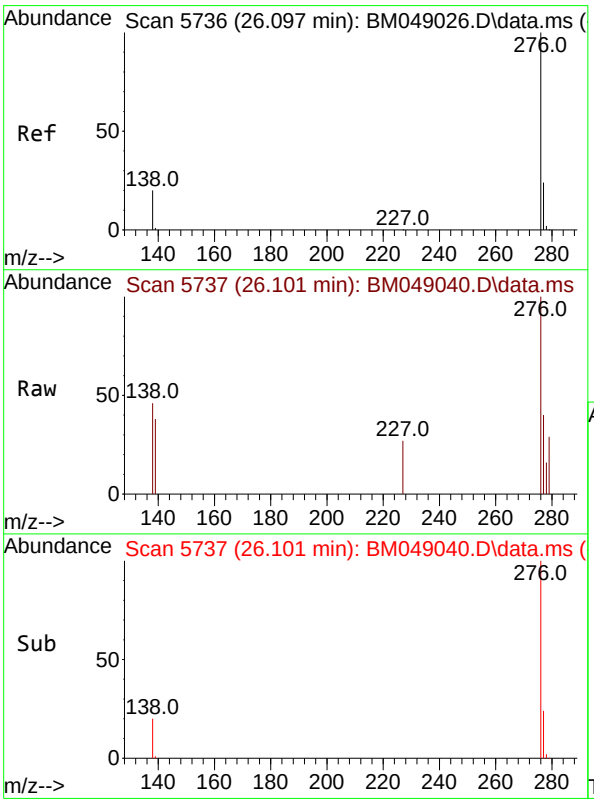

#22
Chrysene
Concen: 0.034 ng/ul m
RT: 21.181 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

**Instrument :**
BNA_M
**ClientSampleId :**
E28Q8

Tgt Ion:228 Resp: 4811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 42.9 | 24.8 | 37.2# |
| 229 | 47.4 | 16.0 | 24.0# |




#29
Benzo(g,h,i)perylene
Concen: 0.048 ng/ul m
RT: 26.101 min Scan# 5737
Delta R.T. 0.003 min
Lab File: BM049040.D
Acq: 18 Dec 2024 02:35

Tgt Ion:276 Resp: 6288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 45.8 | 19.8 | 29.6# |
| 277 | 39.8 | 19.6 | 29.4# |