Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051021\
Data File : BM029914.D
Acq On : 10 May 2021 20:47
Operator : CG/JU
Sample : M2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 01:49:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** BG581

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 139513 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.33 | 136 | 647465 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.20 | 164 | 432145 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.94 | 188 | 884436 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.13 | 240 | 787422 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.29 | 264 | 657358 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 7104 | 2.03 | ng/uL | 0.01 |
| 4) Pyridine-d5 | 3.57 | 84 | 16903m | 1.93 | ng/ul | 0.09 |
| 7) Phenol-d5 | 6.75 | 99 | 122791 | 9.46 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 6.90 | 67 | 92297 | 11.47 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.09 | 132 | 110294 | 11.01 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.27 | 113 | 99330 | 9.26 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.71 | 128 | 53978 | 12.10 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.43 | 143 | 56624 | 11.24 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.97 | 165 | 94133 | 9.32 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.49 | 131 | 107922 | 7.02 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 13.62 | 166 | 433344 | 12.94 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.89 | 160 | 505195 | 11.90 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.48 | 143 | 15107m | 2.77 | ng/ul | 0.05 |
| 60) Fluorene-d10 | 15.20 | 176 | 372268 | 13.09 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 24969 | 4.35 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.04 | 188 | 552232 | 12.40 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.34 | 212 | 622281 | 15.41 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.15 | 264 | 465606 | 12.50 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 72) Phenanthrene | 16.99 | 178 | 52155 | 1.000 | ng/ul# | 95 |
| 80) Fluoranthene | 19.01 | 202 | 139465 | 2.837 | ng/ul | 98 |
| 82) Pyrene | 19.37 | 202 | 156149 | 3.018 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.12 | 228 | 71833m | 1.398 | ng/ul | |
| 86) Bis(2-ethylhexyl)phthalate | 21.06 | 149 | 33871 | 1.068 | ng/ul | 99 |
| 87) Chrysene | 21.17 | 228 | 72898 | 1.425 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 22.65 | 252 | 65682 | 1.540 | ng/ul# | 82 |
| 93) Benzo(a)pyrene | 23.20 | 252 | 50403 | 1.302 | ng/ul# | 88 |

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

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Sample : M2177-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 11 01:49:33 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM050721.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 11 01:19:00 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BG581

**Manual Integrations APPROVED**
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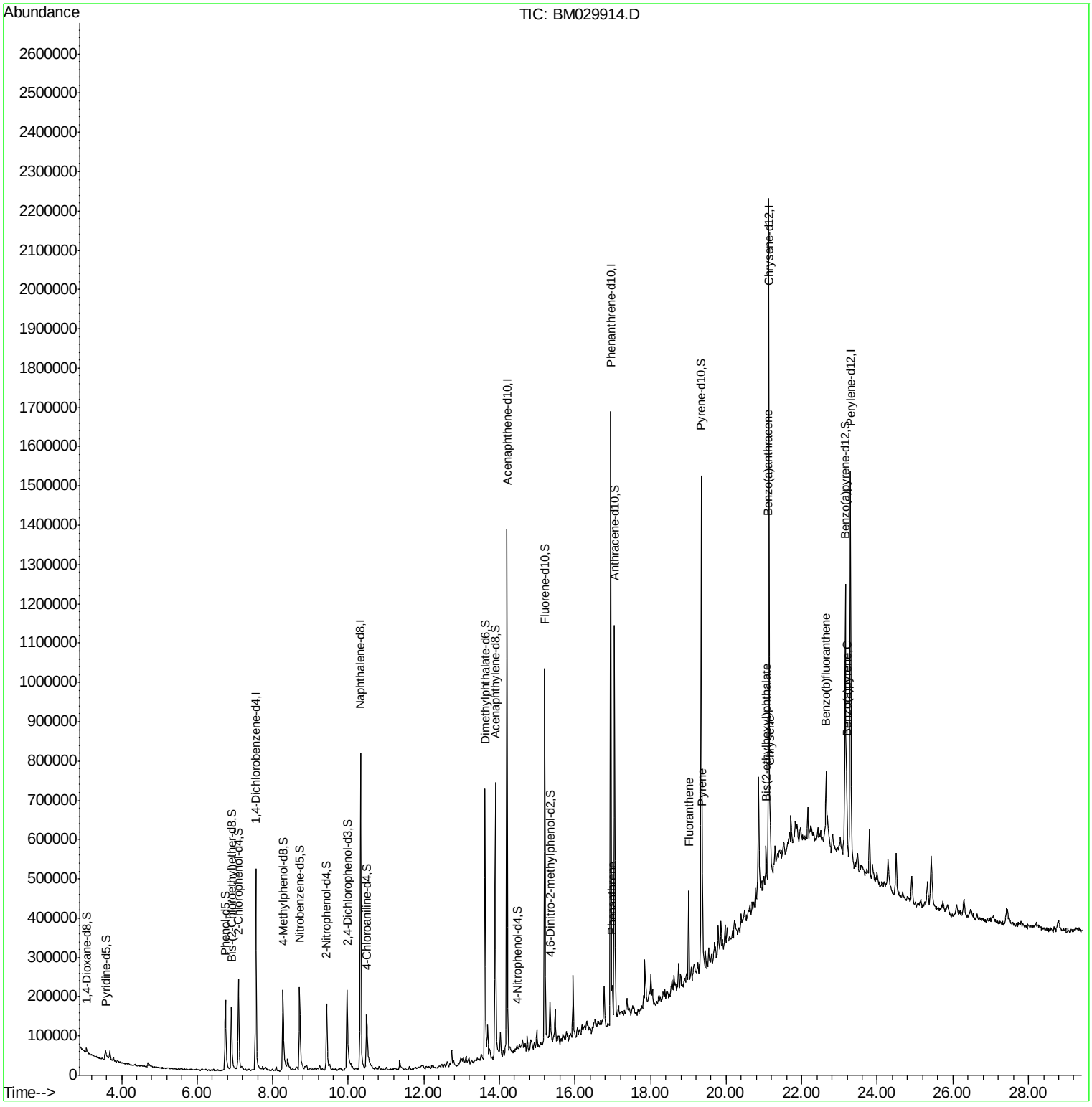
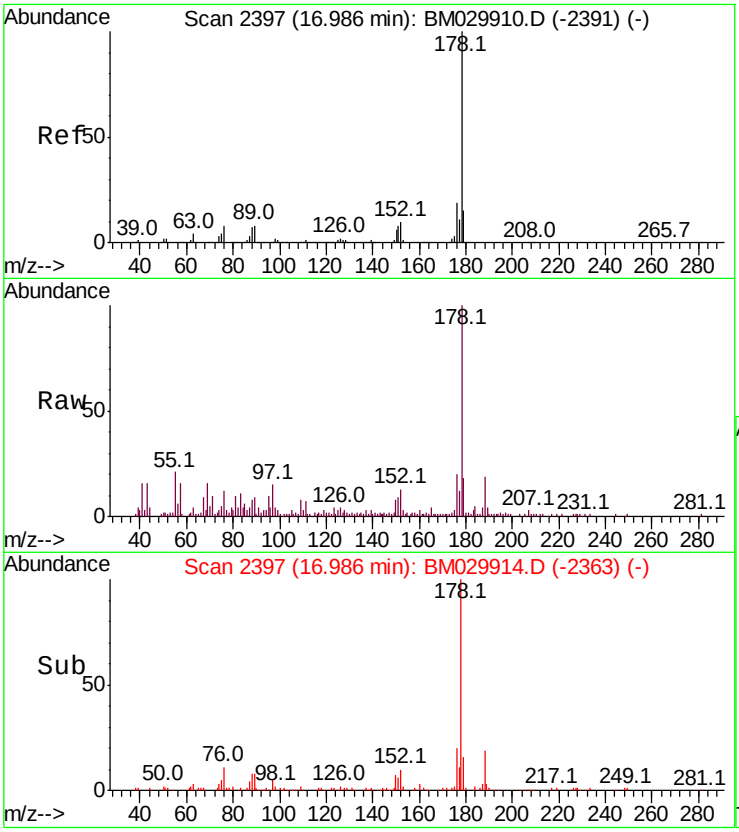
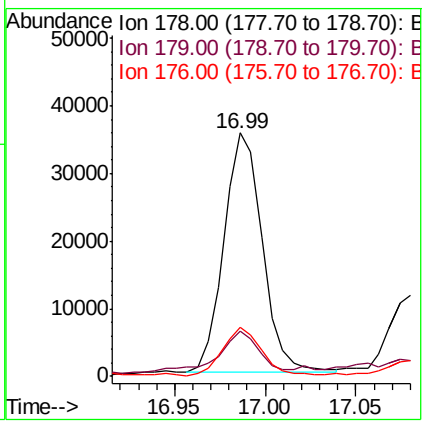





#72
Phenanthrene
Concen: 1.000 ng/ul
RT: 16.99 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:178 Resp: 52155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.4 | 12.2 | 18.4# |
| 176 | 19.9 | 15.0 | 22.4 |




**Instrument :**
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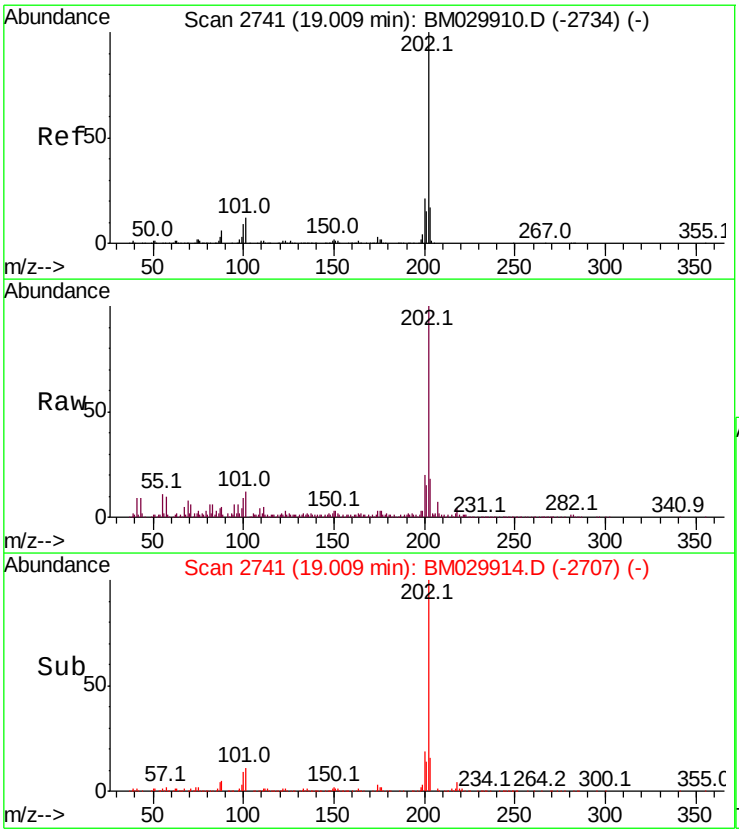
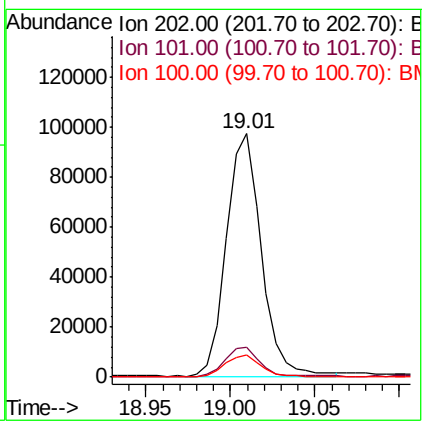
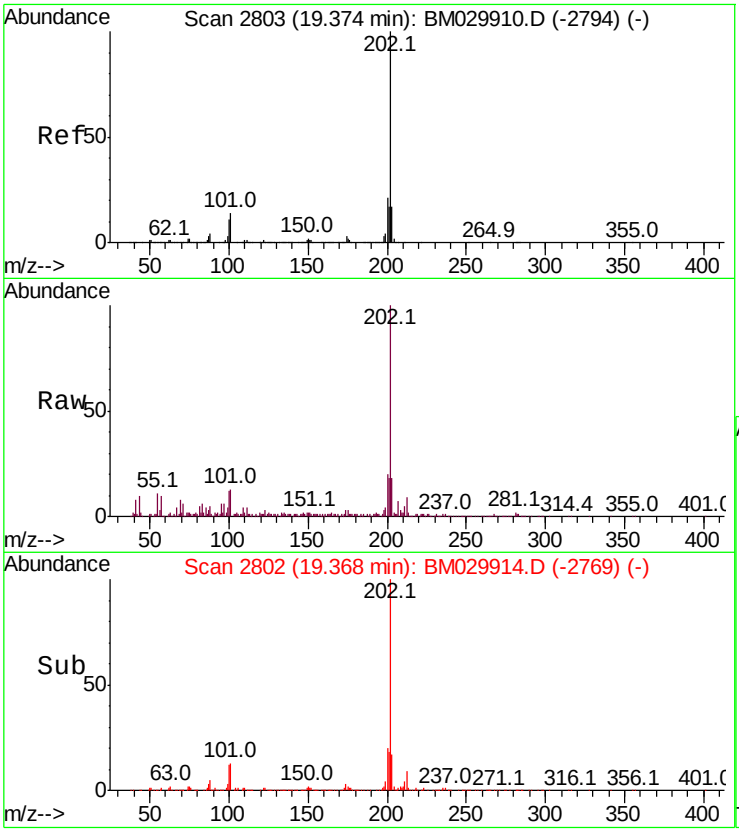



#80
Fluoranthene
Concen: 2.837 ng/ul
RT: 19.01 min Scan# 2741
Delta R.T. 0.00 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:202 Resp: 139465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 9.0 | 13.4 |
| 100 | 9.3 | 7.0 | 10.6 |

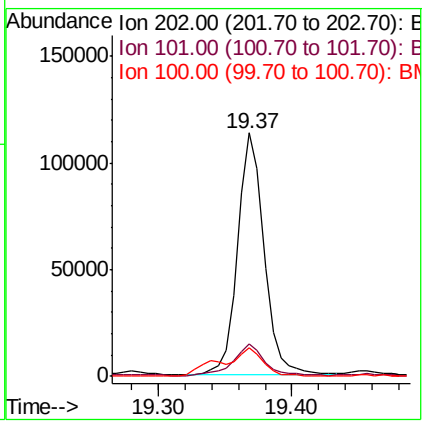





#82
Pyrene
Concen: 3.018 ng/ul
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:202 Resp: 156149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 11.8 | 17.6 |
| 100 | 11.8 | 9.2 | 13.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
BG581

**Manual Integrations APPROVED**
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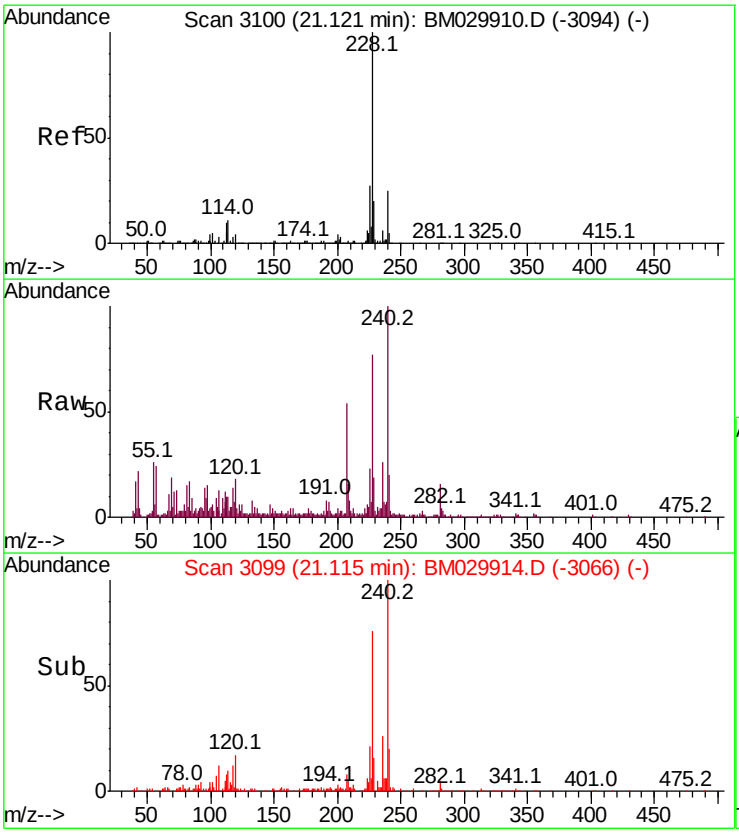
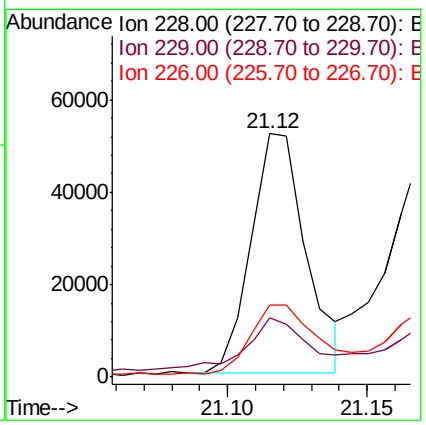
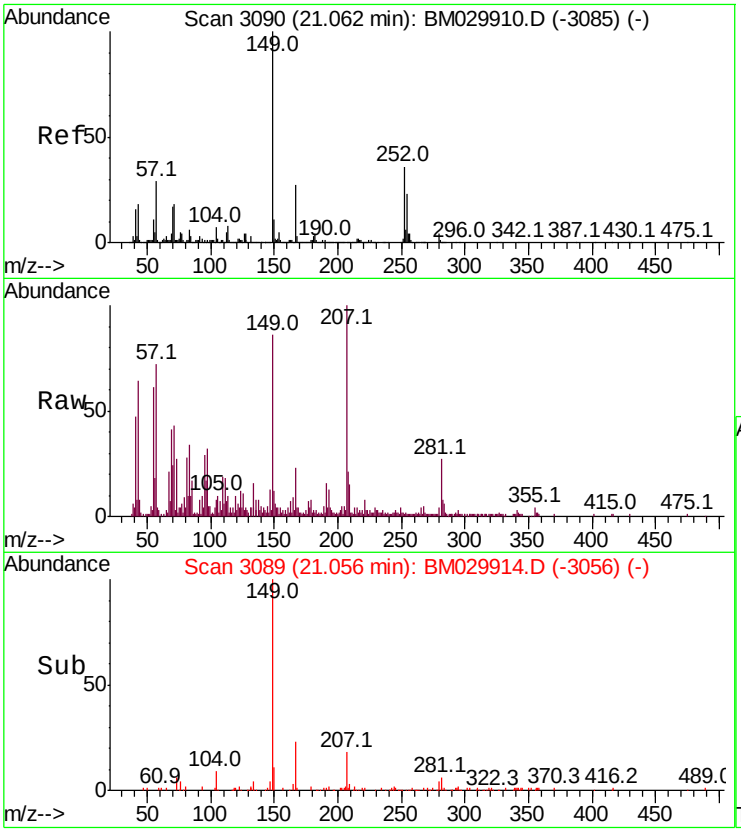



#85
Benzo(a)anthracene
Concen: 1.398 ng/ul m
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:228 Resp: 71833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.5 | 15.9 | 23.9# |
| 226 | 29.4 | 21.4 | 32.0 |






#86
Bis(2-ethylhexyl)phthalate
Concen: 1.068 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:149 Resp: 33871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 21.1 | 31.7 |
| 279 | 5.2 | 3.5 | 5.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
BG581

**Manual Integrations APPROVED**
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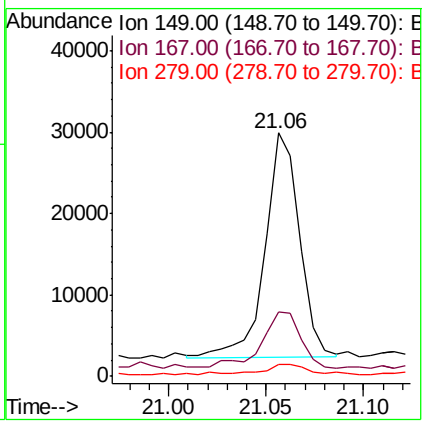
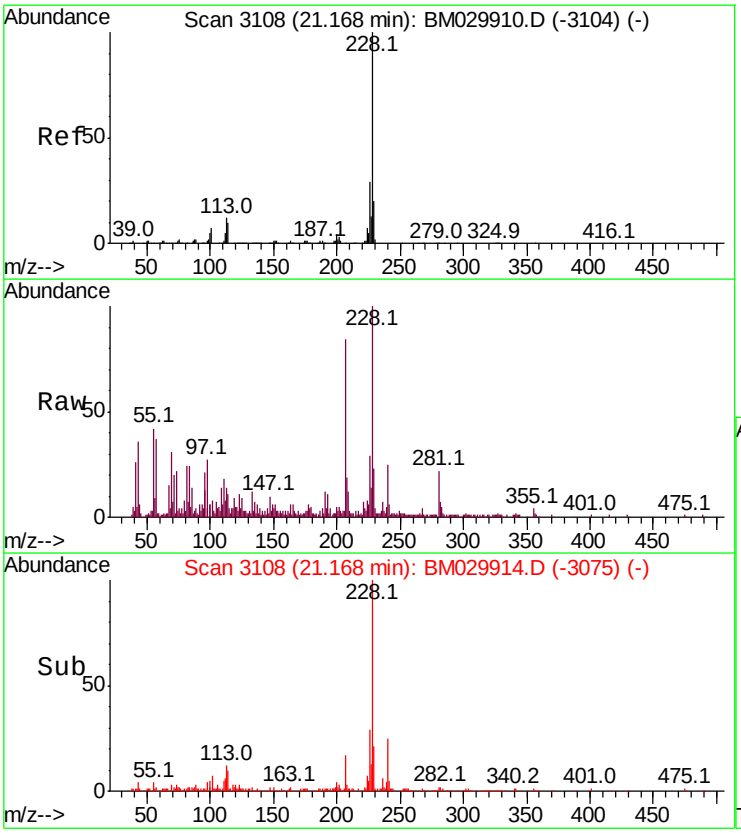
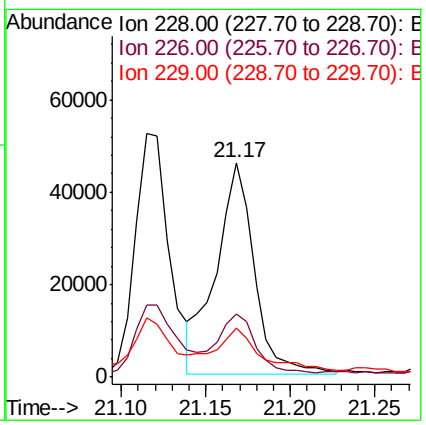


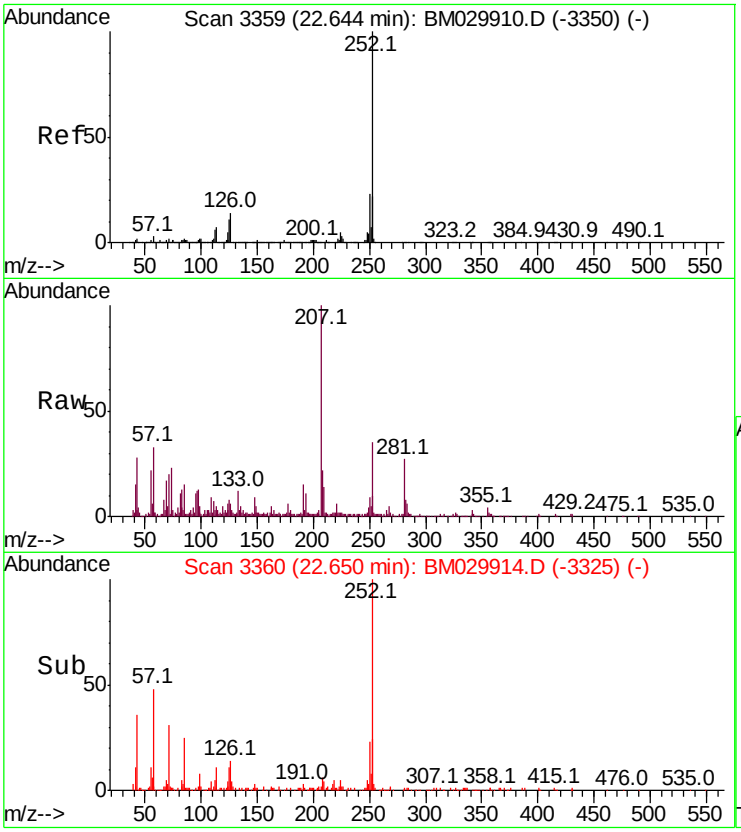




#87
Chrysene
Concen: 1.425 ng/ul
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:228 Resp: 72898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.9 | 35.9 |
| 229 | 22.8 | 15.6 | 23.4 |






#90
Benzo(b)fluoranthene
Concen: 1.540 ng/ul
RT: 22.65 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:252 Resp: 65682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.7 | 17.4 | 26.2# |
| 125 | 22.1 | 8.6 | 12.8# |

**Instrument :**
BNA_M
**ClientSampleId :**
BG581

**Manual Integrations APPROVED**
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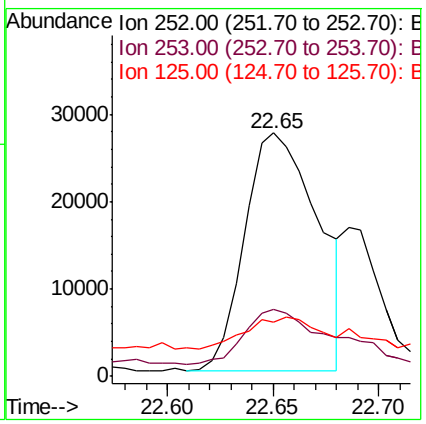


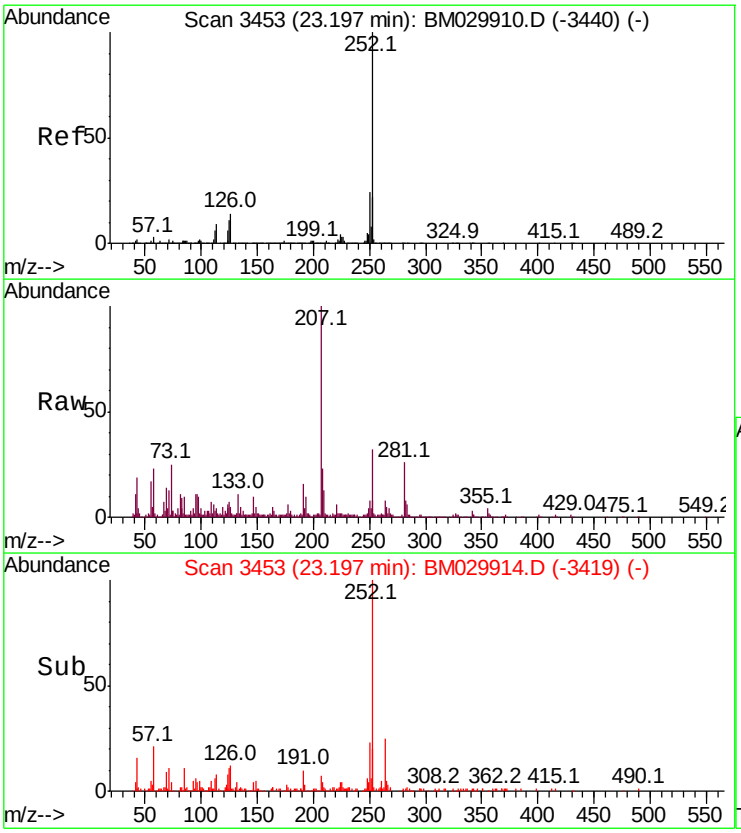


#93
Benzo(a)pyrene
Concen: 1.302 ng/ul
RT: 23.20 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BM029914.D
Acq: 10 May 2021 20:47

Tgt Ion:252 Resp: 50403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.9 | 26.9 |
| 125 | 22.6 | 9.6 | 14.4# |