

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110624\  
 Data File : BG063213.D  
 Acq On : 7 Nov 2024 21:59  
 Operator : RC/JU  
 Sample : P4585-06  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4EE0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024  
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:23:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG110624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 06 15:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.841  | 152  | 81234    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.632 | 136  | 407013   | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.474 | 164  | 390948   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.224 | 188  | 951864   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.478 | 240  | 1002420  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.521 | 264  | 1064379  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.305  | 96   | 1635     | 0.910  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 7.013  | 99   | 45012    | 6.141  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.171  | 67   | 23453    | 5.455  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.371  | 132  | 31610    | 6.644  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.552  | 113  | 33577    | 5.404  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.987  | 128  | 17296    | 6.045  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.715  | 143  | 20979    | 5.673  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.256 | 165  | 44739    | 6.164  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.767 | 131  | 34454m   | 3.645  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.881 | 166  | 182668   | 5.965  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.169 | 160  | 189086   | 6.308  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.686 | 143  | 18700m   | 4.460  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.473 | 176  | 173568   | 6.716  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.597 | 200  | 18697    | 3.125  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.324 | 188  | 275573   | 6.736  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.621 | 212  | 277246   | 5.516  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.304 | 264  | 193178   | 3.759  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.658  | 105  | 58579    | 5.856  | ng/u1  | 97       |
| 72) Phenanthrene              | 17.271 | 178  | 108498m  | 2.495  | ng/u1  |          |
| 80) Fluoranthene              | 19.292 | 202  | 304420   | 5.604  | ng/u1  | 98       |
| 82) Pyrene                    | 19.651 | 202  | 162906   | 2.829  | ng/u1# | 96       |
| 85) Benzo(a)anthracene        | 21.460 | 228  | 141106   | 2.225  | ng/u1  | 95       |
| 87) Chrysene                  | 21.525 | 228  | 154468   | 2.613  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.558 | 252  | 201880   | 3.152  | ng/u1  | 98       |
| -----                         |        |      |          |        |        |          |

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

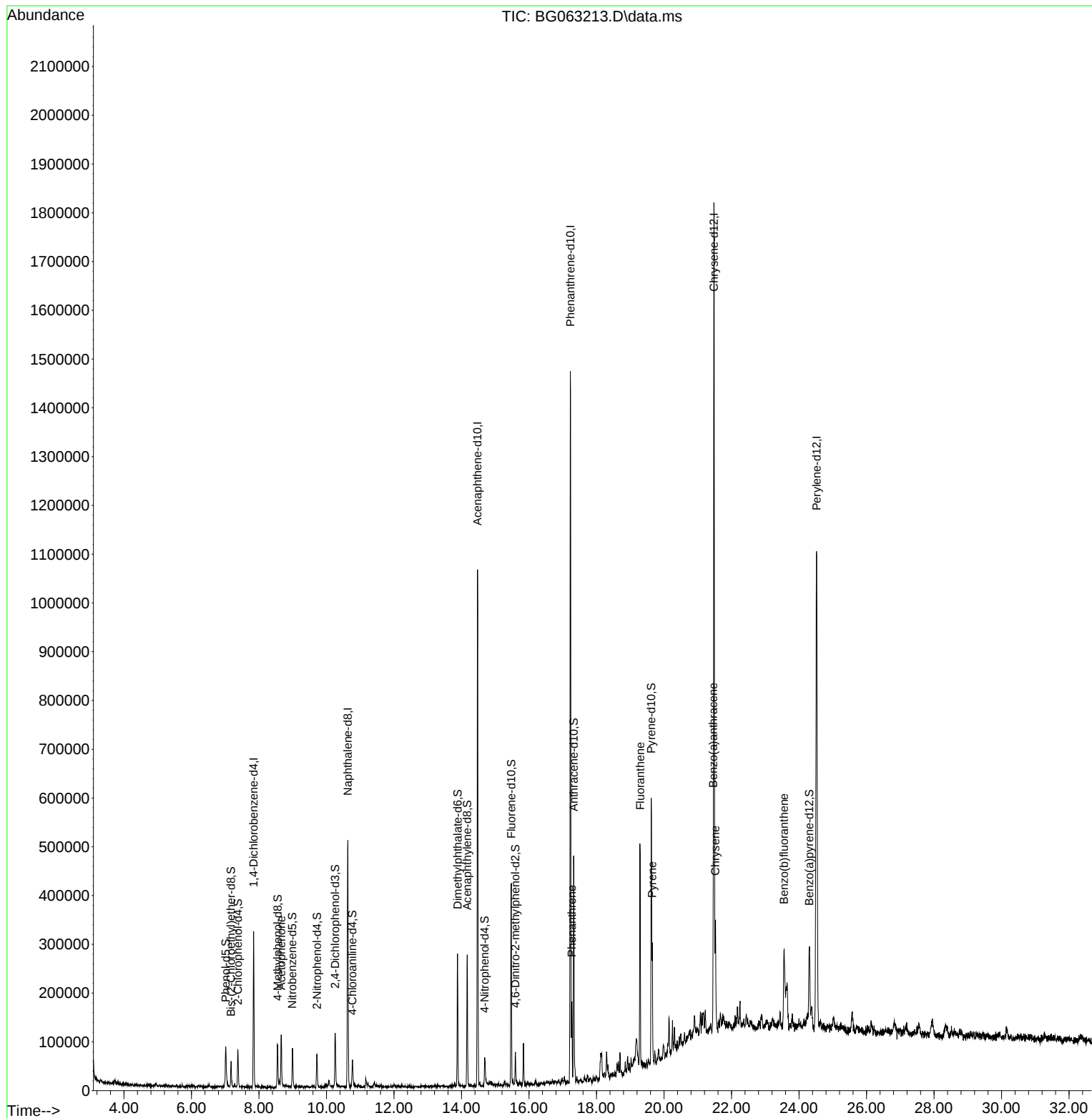
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110624\  
Data File : BG063213.D  
Acq On : 7 Nov 2024 21:59  
Operator : RC/JU  
Sample : P4585-06  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

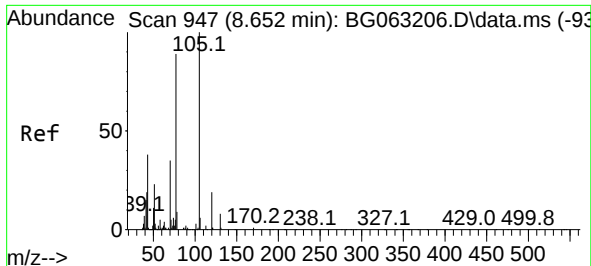
Instrument :  
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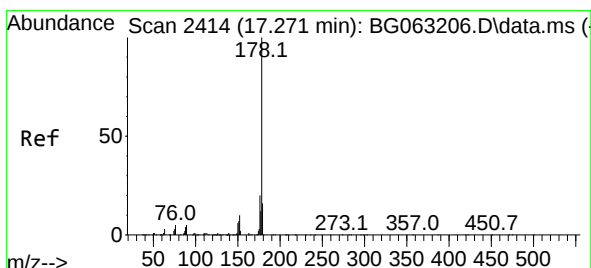
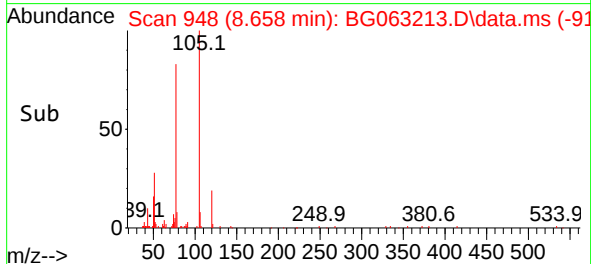
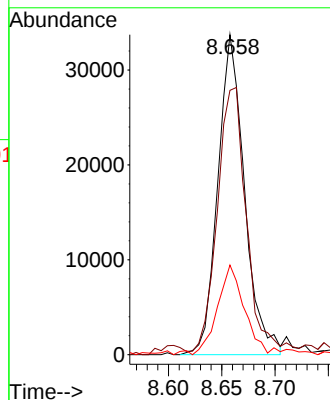
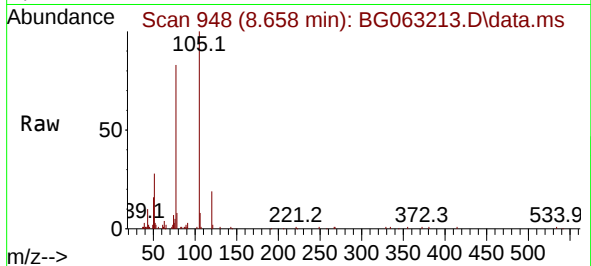
#16  
Acetophenone  
Concen: 5.856 ng/ul  
RT: 8.658 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BG063213.D  
Acq: 7 Nov 2024 21:59

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BNA\_G  
ClientSampleId :  
A4EE0

Tgt Ion:105 Resp: 58579  
Ion Ratio Lower Upper  
105 100  
77 82.6 68.0 102.0  
51 28.0 24.3 36.5

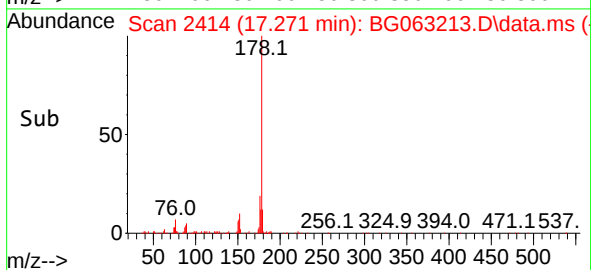
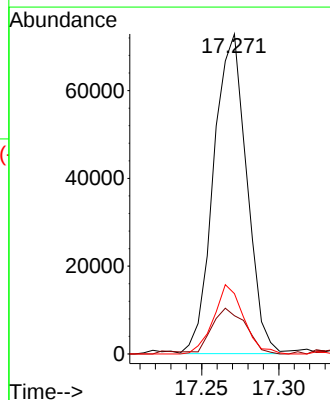
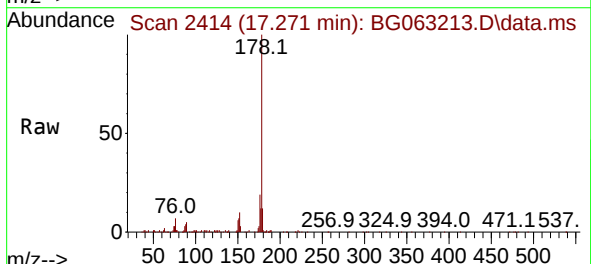
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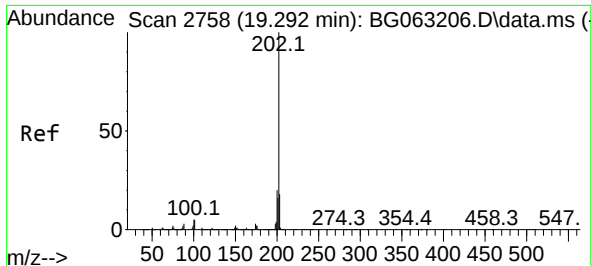
Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :mohammad ahmed 11/11/2024



#72  
Phenanthrene  
Concen: 2.495 ng/ul m  
RT: 17.271 min Scan# 2414  
Delta R.T. 0.006 min  
Lab File: BG063213.D  
Acq: 7 Nov 2024 21:59

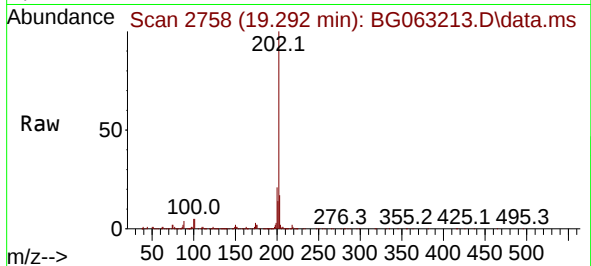
Tgt Ion:178 Resp: 108498  
Ion Ratio Lower Upper  
178 100  
179 11.9 12.2 18.4#  
176 18.8 16.0 24.0





#80  
Fluoranthene  
Concen: 5.604 ng/u1  
RT: 19.292 min Scan# 2758  
Delta R.T. 0.006 min  
Lab File: BG063213.D  
Acq: 7 Nov 2024 21:59

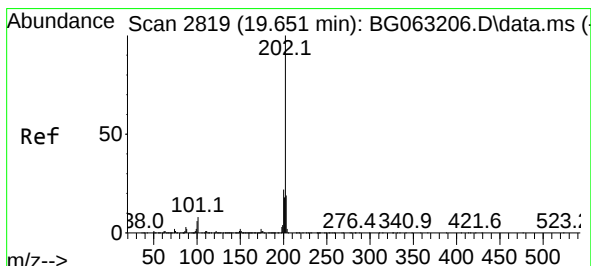
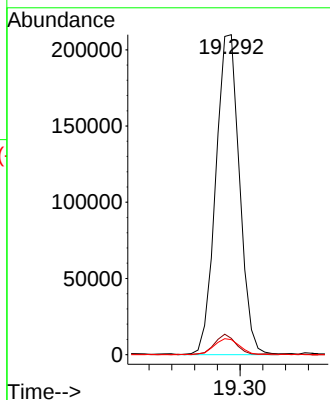
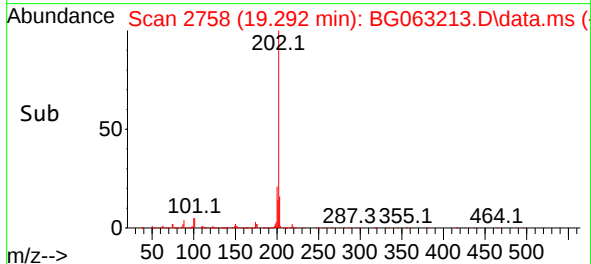
Instrument :  
BNA\_G  
ClientSampleId :  
A4EE0



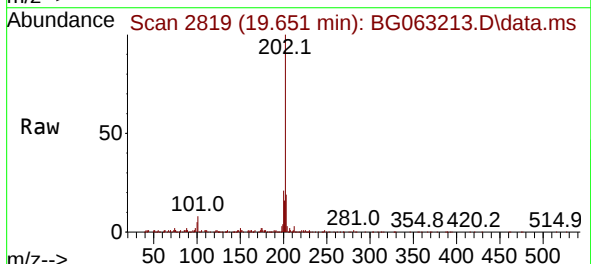
Tgt Ion:202 Resp: 304420  
Ion Ratio Lower Upper  
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101 5.1 4.7 7.1  
100 4.7 3.4 5.0

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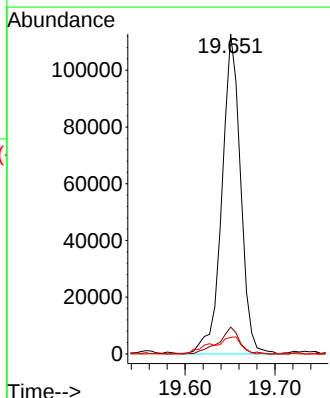
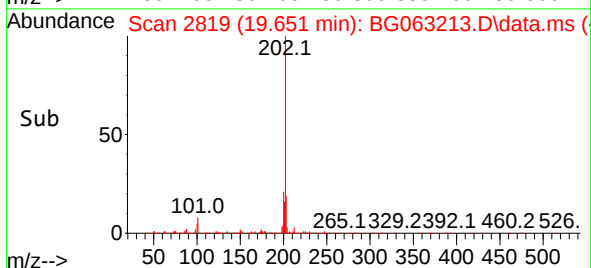
Reviewed By :Yogesh Patel 11/08/2024  
Supervised By :mohammad ahmed 11/11/2024

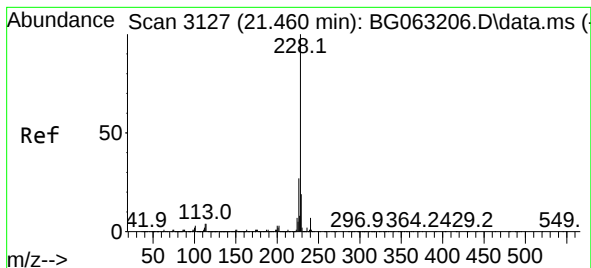


#82  
Pyrene  
Concen: 2.829 ng/u1  
RT: 19.651 min Scan# 2819  
Delta R.T. -0.000 min  
Lab File: BG063213.D  
Acq: 7 Nov 2024 21:59



Tgt Ion:202 Resp: 162906  
Ion Ratio Lower Upper  
202 100  
101 8.4 4.9 7.3#  
100 5.2 4.4 6.6





#85

Benzo(a)anthracene

Concen: 2.225 ng/uI

RT: 21.460 min Scan# 3127

Delta R.T. -0.000 min

Lab File: BG063213.D

Acq: 7 Nov 2024 21:59

Instrument :

BNA\_G

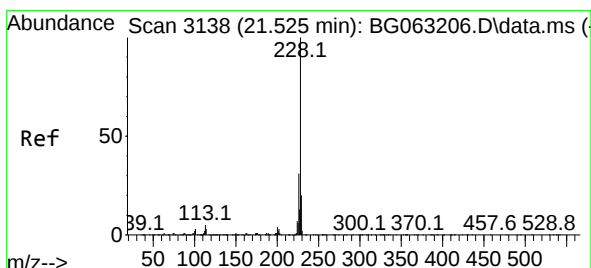
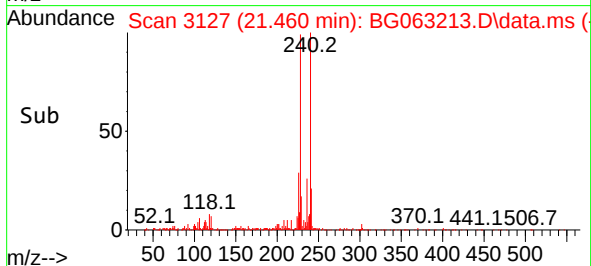
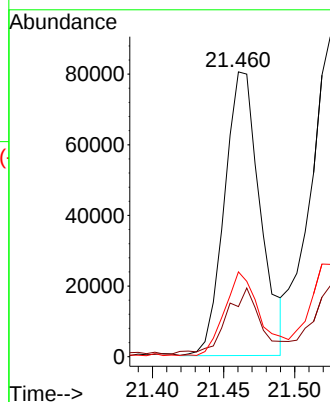
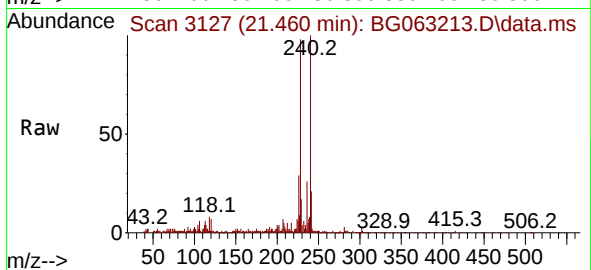
ClientSampleId :

A4EE0

Tgt Ion:228 Resp: 141100  
 Ion Ratio Lower Upper  
 228 100  
 229 17.6 15.9 23.9  
 226 29.8 21.4 32.2

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#87

Chrysene

Concen: 2.613 ng/uI

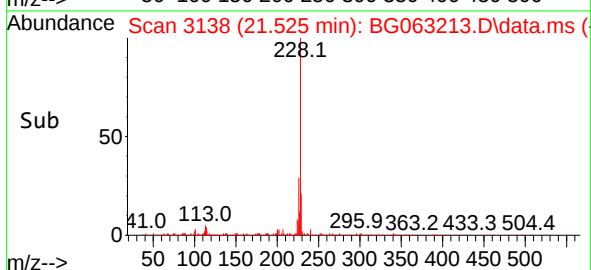
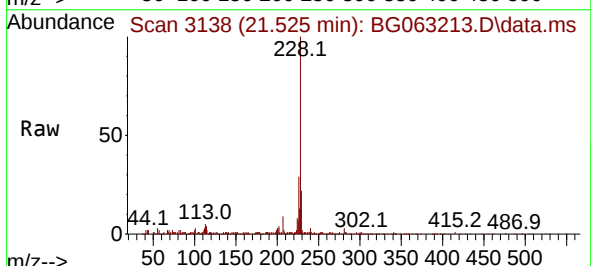
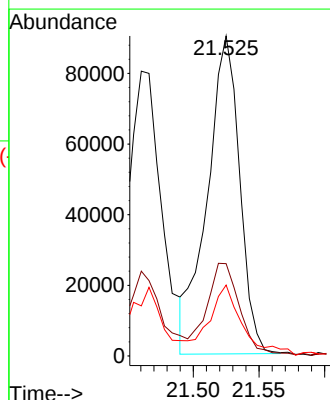
RT: 21.525 min Scan# 3138

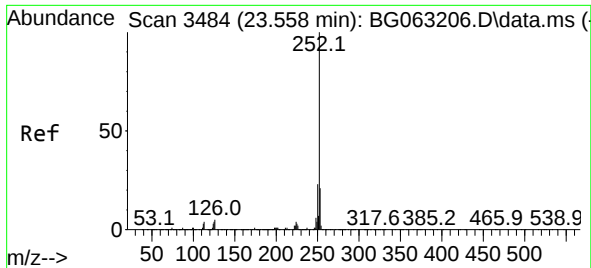
Delta R.T. -0.000 min

Lab File: BG063213.D

Acq: 7 Nov 2024 21:59

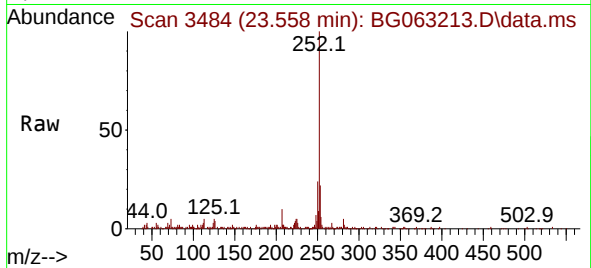
Tgt Ion:228 Resp: 154468  
 Ion Ratio Lower Upper  
 228 100  
 226 28.8 24.1 36.1  
 229 22.2 16.6 24.8





#90  
 Benzo(b)fluoranthene  
 Concen: 3.152 ng/ul  
 RT: 23.558 min Scan# 3484  
 Delta R.T. -0.000 min  
 Lab File: BG063213.D  
 Acq: 7 Nov 2024 21:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4EE0



Tgt Ion:252 Resp: 201880  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.1 25.7  
 125 5.0 3.4 5.0

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