

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121324\  
 Data File : BG063675.D  
 Acq On : 13 Dec 2024 12:52  
 Operator : RC/JU  
 Sample : P5153-16  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E28Q3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2024  
 Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 13 23:29:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 11 23:59:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.820  | 152  | 223341   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.605 | 136  | 878458   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.454 | 164  | 584817   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.209 | 188  | 1088670  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.475 | 240  | 909904   | 20.000 | ng/ul  | # 0.01   |
| 88) Perylene-d12              | 24.530 | 264  | 510859m  | 20.000 | ng/ul  | 0.05     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.284  | 96   | 19288m   | 3.384  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.713  | 84   | 265013   | 14.740 | ng/ul  | 0.03     |
| 7) Phenol-d5                  | 7.015  | 99   | 404470   | 19.664 | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.150  | 67   | 271925   | 19.141 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.362  | 132  | 291929   | 21.922 | ng/ul  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.543  | 113  | 253784   | 15.891 | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 8.972  | 128  | 91623    | 14.608 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.688  | 143  | 19291    | 2.744  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.247 | 165  | 296838   | 21.806 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.752 | 131  | 38614    | 2.234  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.860 | 166  | 901048   | 22.643 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.148 | 160  | 672720   | 14.830 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.712 | 143  | 31685m   | 5.620  | ng/ul  | 0.04     |
| 60) Fluorene-d10              | 15.452 | 176  | 718191   | 20.412 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.576 | 200  | 769      | 0.136  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.309 | 188  | 926423m  | 19.793 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.612 | 212  | 1023241  | 21.611 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.324 | 264  | 479112m  | 19.971 | ng/ul  | 0.05     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 6) Benzaldehyde               | 6.962  | 77   | 14707    | 1.166  | ng/ul# | 89       |
| 8) Phenol                     | 7.045  | 94   | 29989    | 1.368  | ng/ul  | 96       |
| 30) Naphthalene               | 10.658 | 128  | 85001    | 1.935  | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.268 | 142  | 129034   | 4.088  | ng/ul  | 93       |
| 37) 1-Methylnaphthalene       | 12.491 | 142  | 39571    | 1.231  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.250 | 178  | 223578   | 4.262  | ng/ul# | 87       |
| 74) Anthracene                | 17.344 | 178  | 54965    | 1.035  | ng/ul# | 46       |
| 80) Fluoranthene              | 19.277 | 202  | 179919   | 3.343  | ng/ul# | 95       |
| 82) Pyrene                    | 19.642 | 202  | 175968   | 3.073  | ng/ul# | 89       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 93710    | 1.643  | ng/ul# | 29       |
| 86) Bis(2-ethylhexyl)phtha... | 21.357 | 149  | 60233    | 2.356  | ng/ul# | 89       |
| 87) Chrysene                  | 21.516 | 228  | 178069m  | 3.276  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.566 | 252  | 151013m  | 5.201  | ng/ul  |          |
| 91) Benzo(k)fluoranthene      | 23.625 | 252  | 38930m   | 1.344  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.389 | 252  | 77934m   | 2.860  | ng/ul  |          |

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

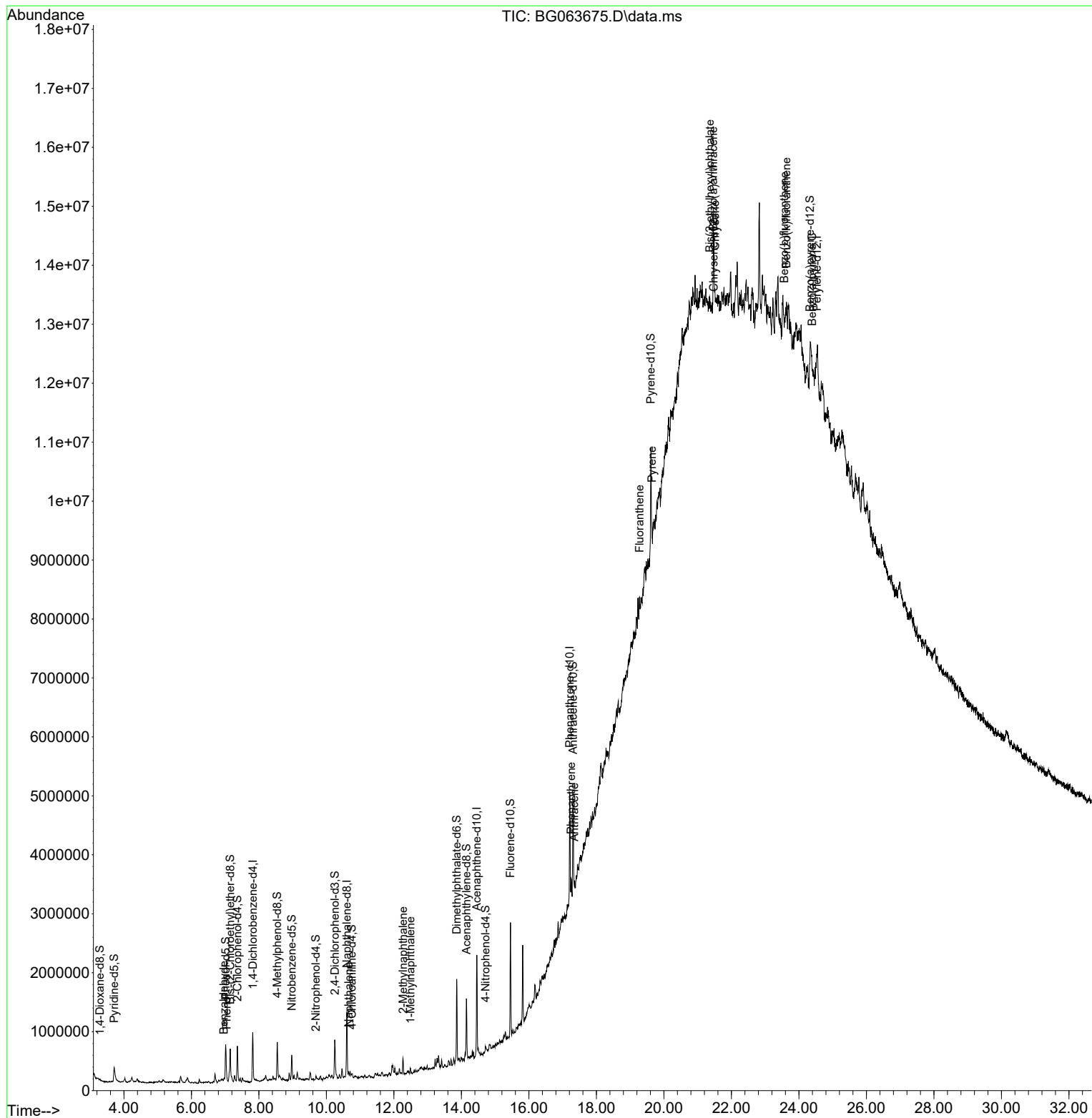
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121324\  
Data File : BG063675.D  
Acq On : 13 Dec 2024 12:52  
Operator : RC/JU  
Sample : P5153-16  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

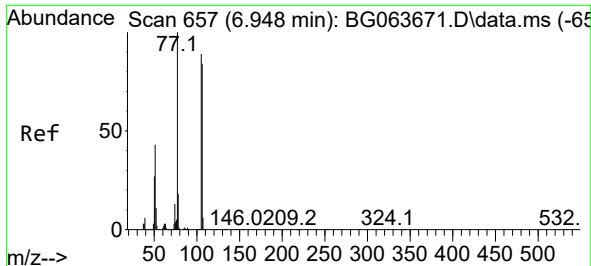
Instrument :  
BNA\_G  
ClientSampleId :  
E28Q3

Quant Time: Dec 13 23:29:45 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 11 23:59:23 2024  
Response via : Initial Calibration

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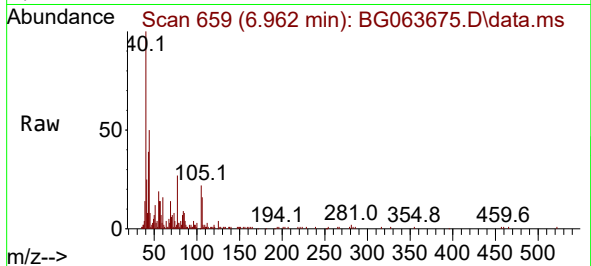
Reviewed By :Yogesh Patel 12/14/2024  
Supervised By :mohammad ahmed 12/14/2024





#6  
Benzaldehyde  
Concen: 1.166 ng/ul  
RT: 6.962 min Scan# 611  
Delta R.T. 0.008 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

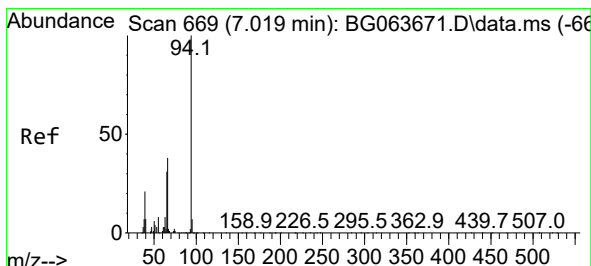
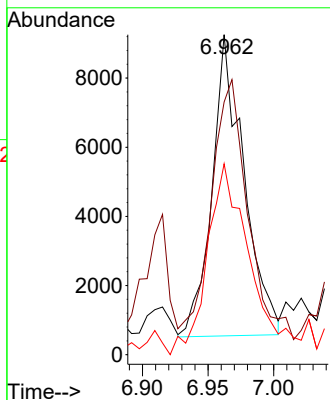
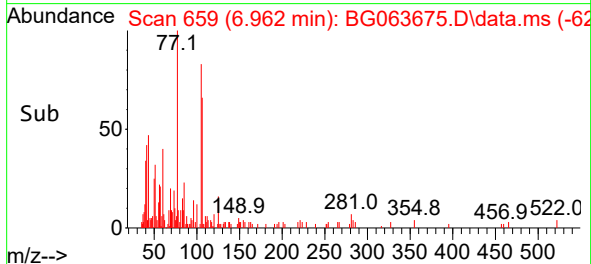
Instrument :  
BNA\_G  
ClientSampleId :  
E28Q3



Tgt Ion: 77 Resp: 1470  
Ion Ratio Lower Upper  
77 100  
105 78.9 65.2 97.8  
106 59.7 61.0 91.4

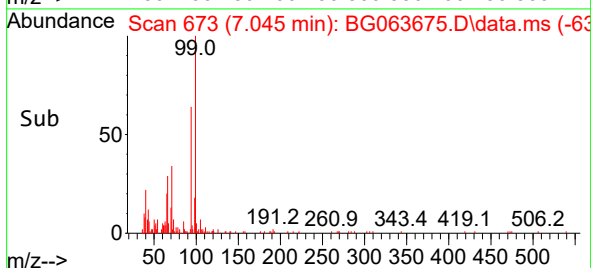
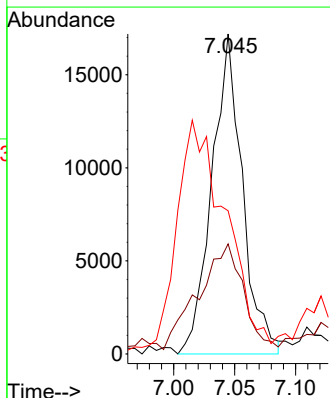
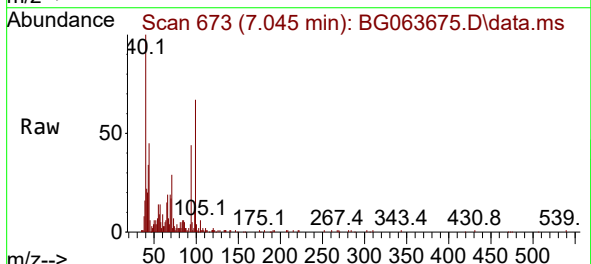
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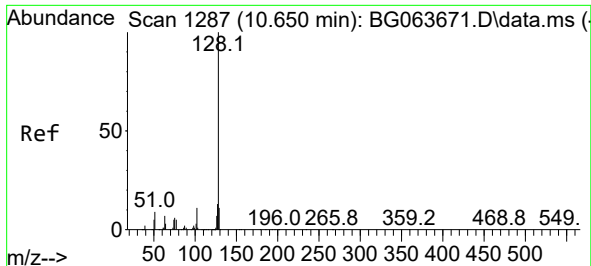
Reviewed By :Yogesh Patel 12/14/2024  
Supervised By :mohammad ahmed 12/14/2024



#8  
Phenol  
Concen: 1.368 ng/ul  
RT: 7.045 min Scan# 673  
Delta R.T. 0.026 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

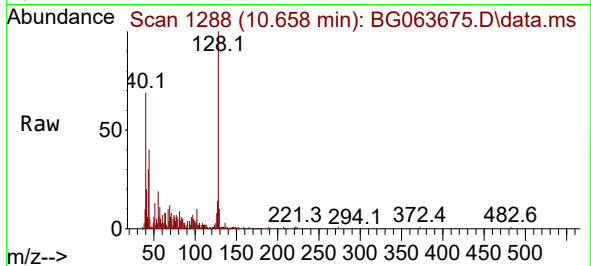
Tgt Ion: 94 Resp: 29989  
Ion Ratio Lower Upper  
94 100  
65 34.4 25.6 38.4  
66 44.7 34.2 51.2





#30  
Naphthalene  
Concen: 1.935 ng/ul  
RT: 10.658 min Scan# 1288  
Delta R.T. 0.008 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

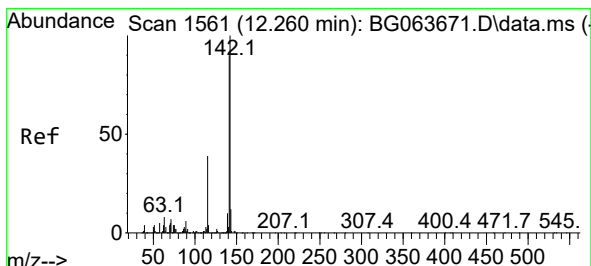
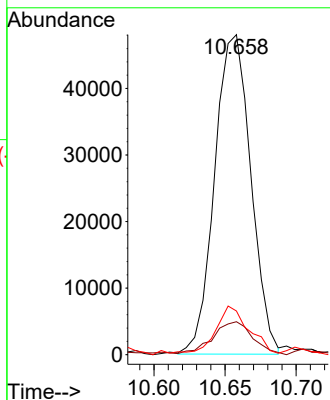
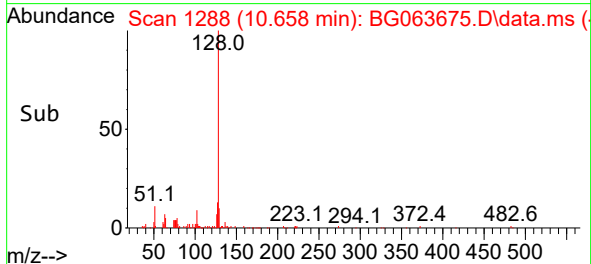
Instrument :  
BNA\_G  
ClientSampleId :  
E28Q3



Tgt Ion:128 Resp: 85000  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.2 12.2  
127 13.7 9.8 14.8

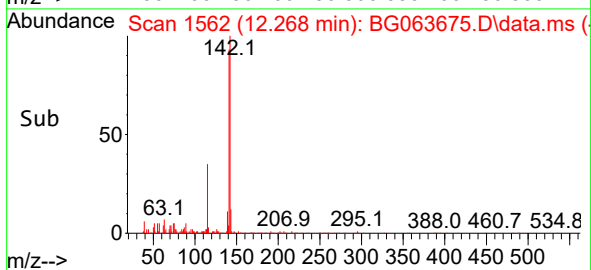
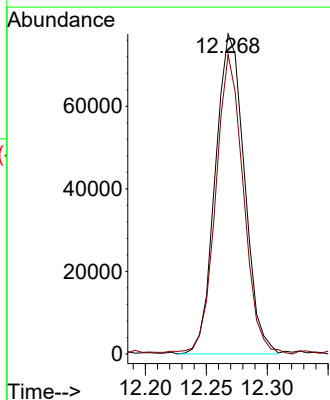
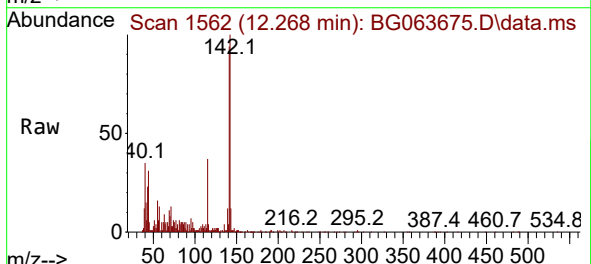
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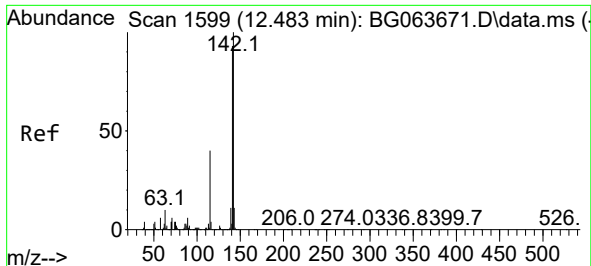
Reviewed By :Yogesh Patel 12/14/2024  
Supervised By :mohammad ahmed 12/14/2024



#36  
2-Methylnaphthalene  
Concen: 4.088 ng/ul  
RT: 12.268 min Scan# 1562  
Delta R.T. 0.002 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

Tgt Ion:142 Resp: 129034  
Ion Ratio Lower Upper  
142 100  
141 93.6 69.5 104.3





#37

1-Methylnaphthalene

Concen: 1.231 ng/ul

RT: 12.491 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

Instrument :

BNA\_G

ClientSampleId :

E28Q3

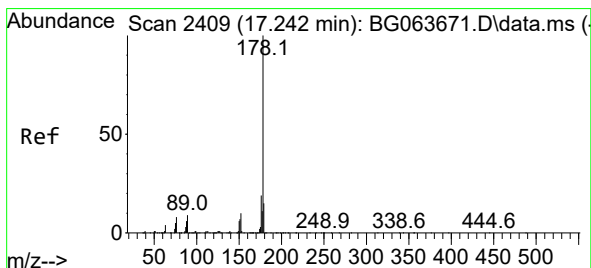
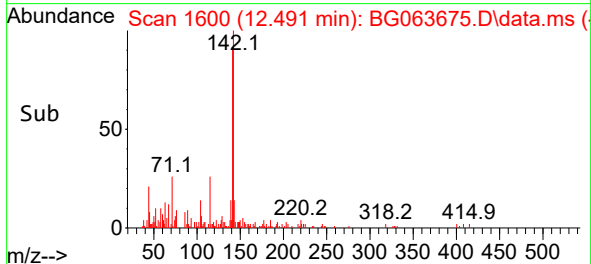
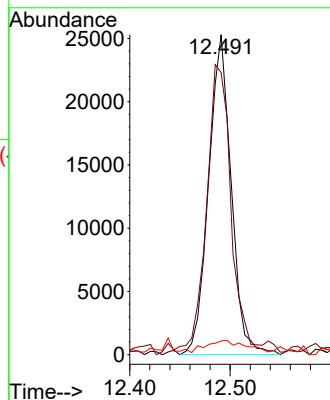
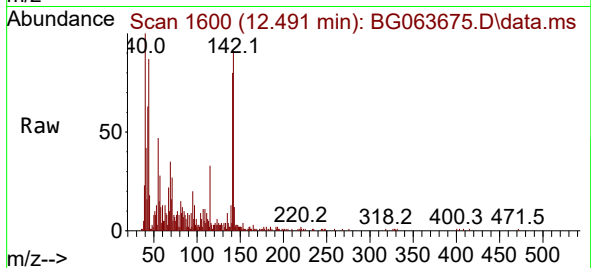
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 3957  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.2  | 73.8  | 110.6 |
| 116       | 4.3   | 3.5   | 5.3   |

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024



#72

Phenanthrene

Concen: 4.262 ng/ul

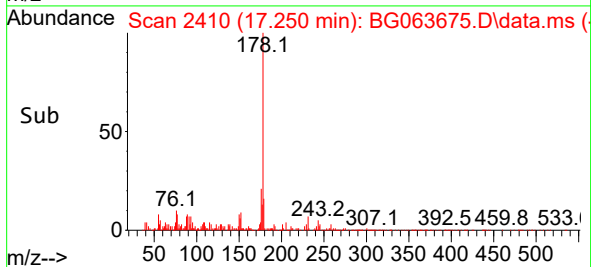
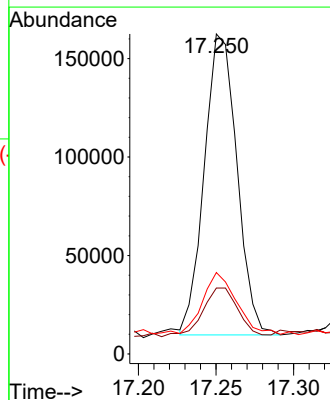
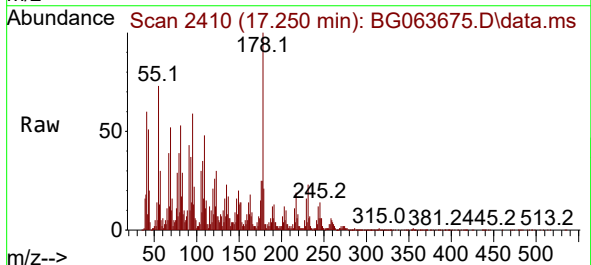
RT: 17.250 min Scan# 2410

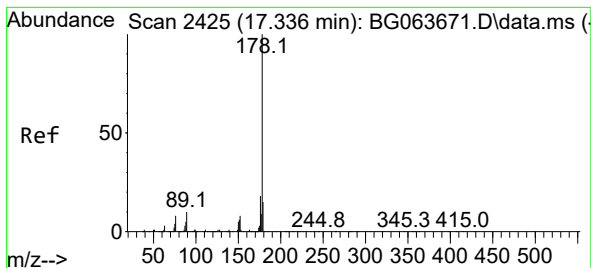
Delta R.T. 0.002 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 223578 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 20.6  | 12.2  | 18.2#  |
| 176       | 25.5  | 15.8  | 23.6#  |





#74

Anthracene

Concen: 1.035 ng/u1

RT: 17.344 min Scan# 2426

Delta R.T. 0.008 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

Instrument :

BNA\_G

ClientSampleId :

E28Q3

Tgt Ion:178 Resp: 5496

Ion Ratio Lower Upper

178 100

179 40.4 12.4 18.6

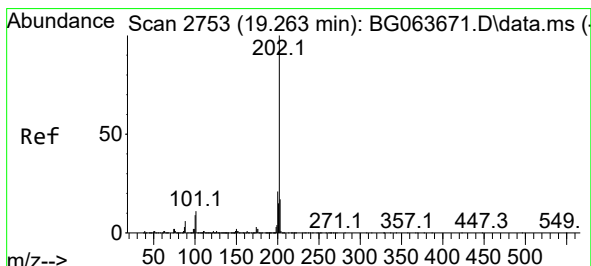
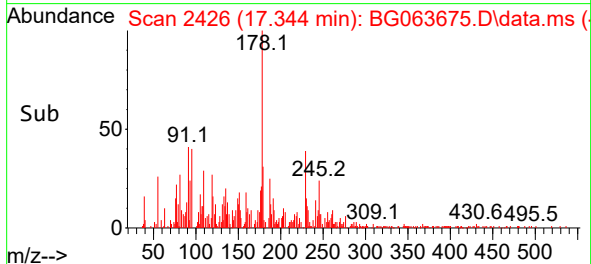
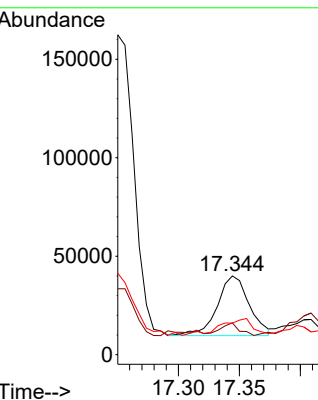
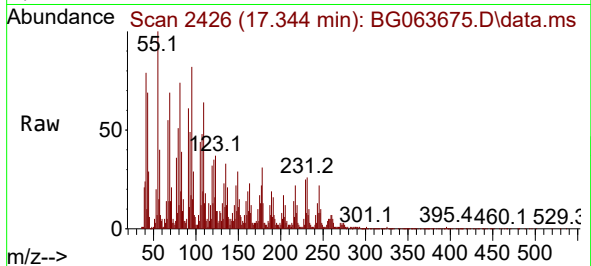
176 40.0 14.4 21.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024



#80

Fluoranthene

Concen: 3.343 ng/u1

RT: 19.277 min Scan# 2755

Delta R.T. 0.008 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

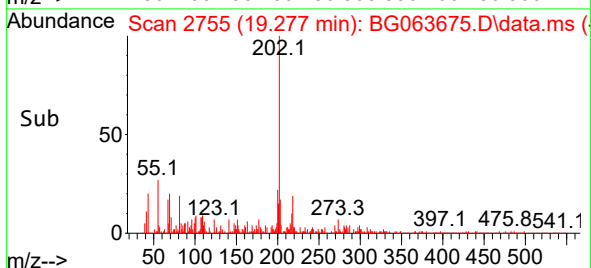
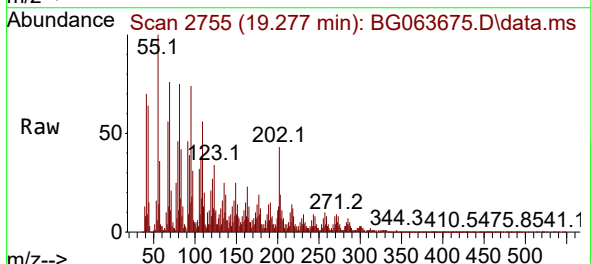
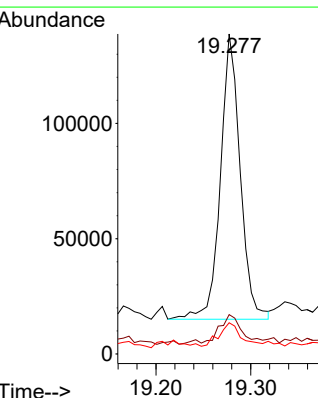
Tgt Ion:202 Resp: 179919

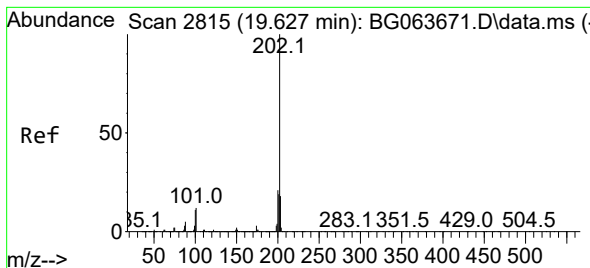
Ion Ratio Lower Upper

202 100

101 12.3 8.1 12.1#

100 9.8 6.5 9.7#





#82

Pyrene

Concen: 3.073 ng/ul

RT: 19.642 min Scan# 21

Delta R.T. 0.008 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

Instrument :

BNA\_G

ClientSampleId :

E28Q3

Tgt Ion:202 Resp: 175968

Ion Ratio Lower Upper

202 100

101 16.9 8.7 13.1

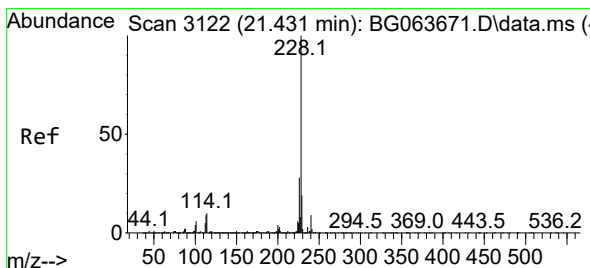
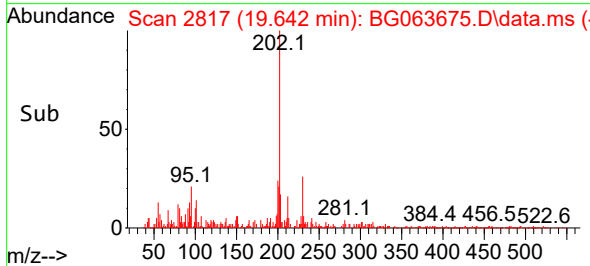
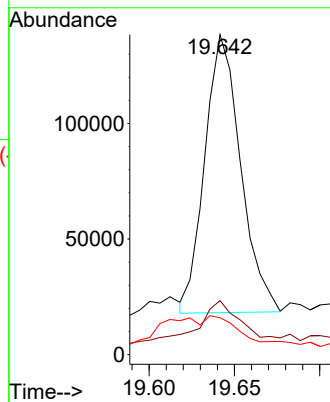
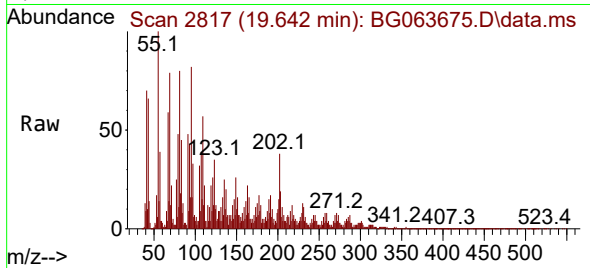
100 11.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024



#85

Benzo(a)anthracene

Concen: 1.643 ng/ul

RT: 21.457 min Scan# 3126

Delta R.T. 0.014 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

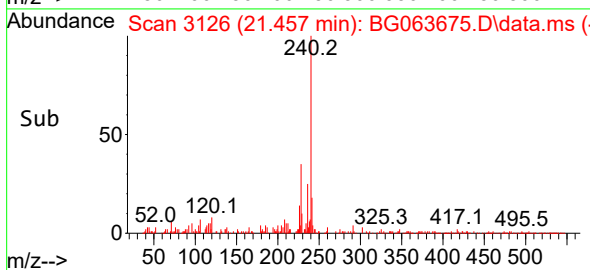
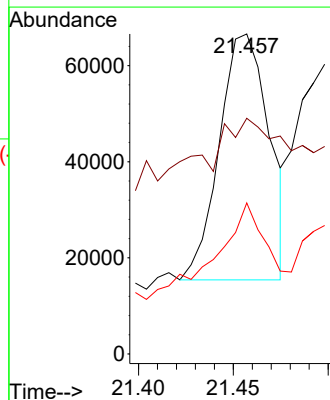
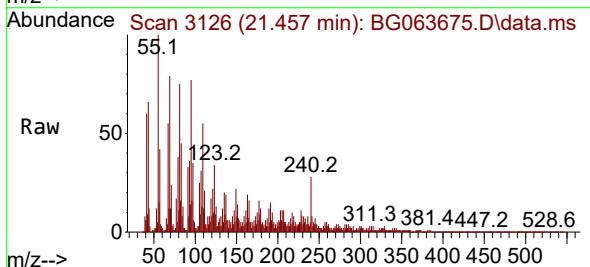
Tgt Ion:228 Resp: 93710

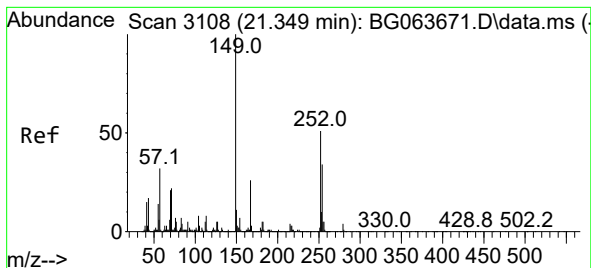
Ion Ratio Lower Upper

228 100

229 73.6 15.7 23.5#

226 47.2 22.0 33.0#





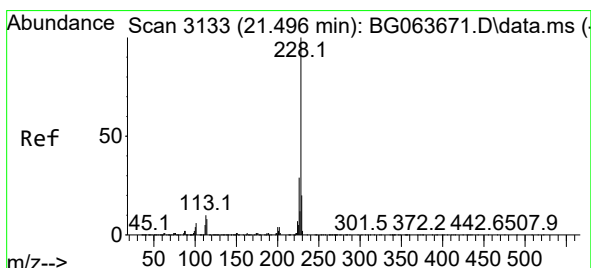
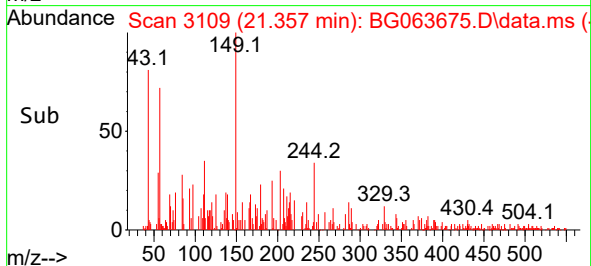
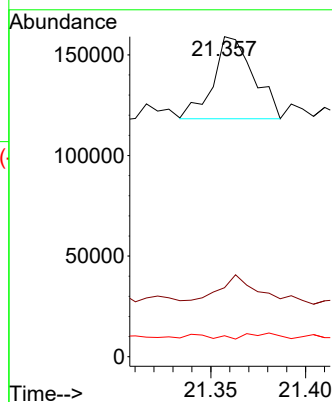
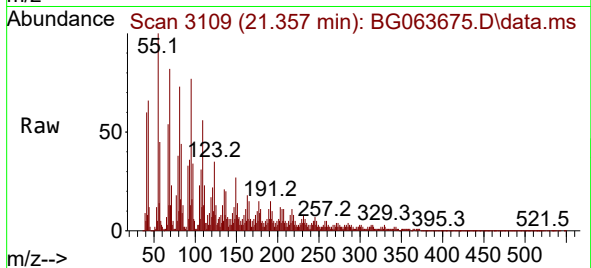
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 2.356 ng/ul  
RT: 21.357 min Scan# 3109  
Delta R.T. 0.002 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

Instrument :  
BNA\_G  
ClientSampleId :  
E28Q3

Tgt Ion:149 Resp: 6023  
Ion Ratio Lower Upper  
149 100  
167 21.5 22.1 33.1  
279 6.6 2.9 4.3

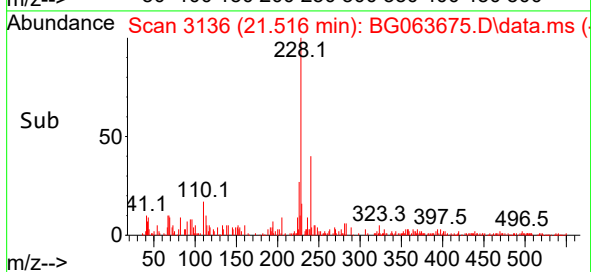
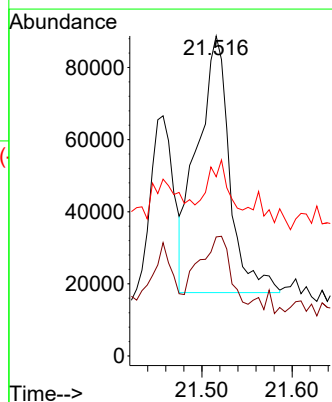
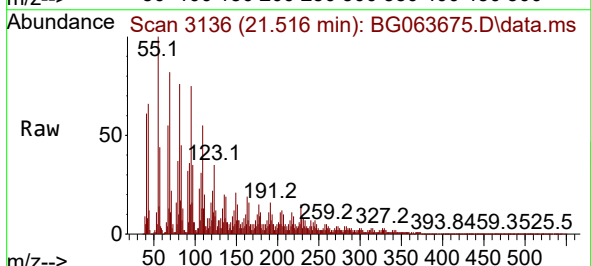
Manual Integrations  
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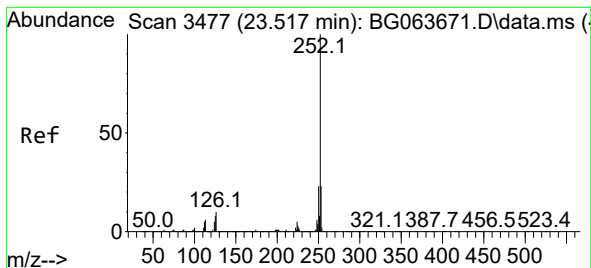
Reviewed By :Yogesh Patel 12/14/2024  
Supervised By :mohammad ahmed 12/14/2024



#87  
Chrysene  
Concen: 3.276 ng/ul m  
RT: 21.516 min Scan# 3136  
Delta R.T. 0.014 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

Tgt Ion:228 Resp: 178069  
Ion Ratio Lower Upper  
228 100  
226 37.2 23.4 35.0#  
229 56.0 14.8 22.2#





#90

Benzo(b)fluoranthene

Concen: 5.201 ng/ul m

RT: 23.566 min Scan# 3477

Delta R.T. 0.044 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

Instrument :

BNA\_G

ClientSampleId :

E28Q3

Tgt Ion:252 Resp: 15101

Ion Ratio Lower Upper

252 100

253 54.4 17.7 26.5

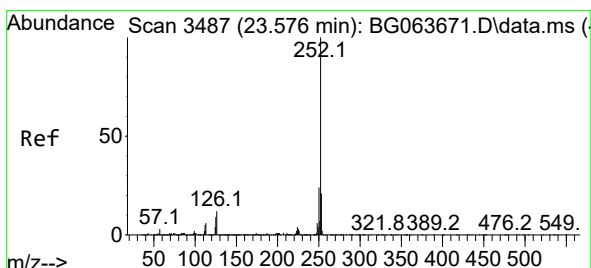
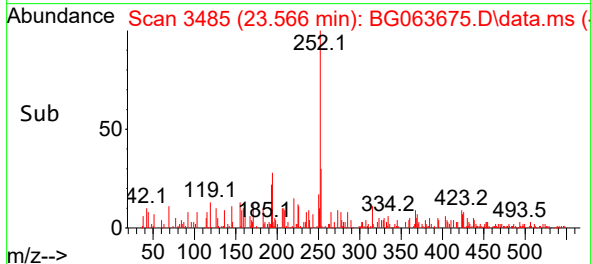
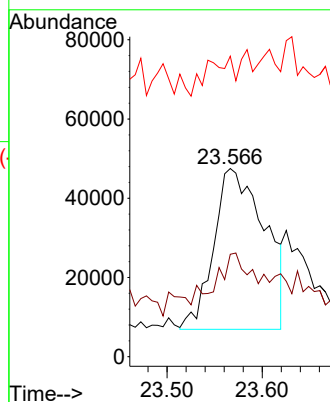
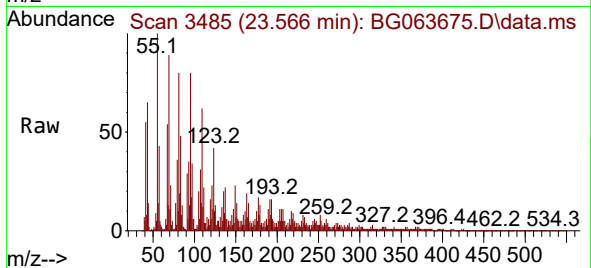
125 159.7 7.0 10.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2024

Supervised By :mohammad ahmed 12/14/2024



#91

Benzo(k)fluoranthene

Concen: 1.344 ng/ul m

RT: 23.625 min Scan# 3495

Delta R.T. 0.038 min

Lab File: BG063675.D

Acq: 13 Dec 2024 12:52

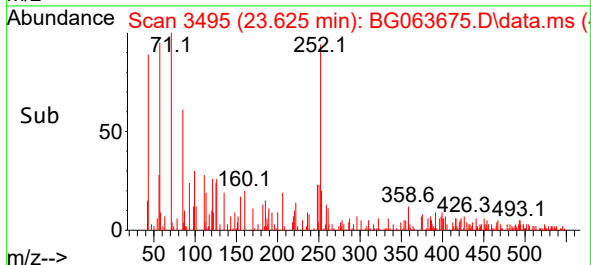
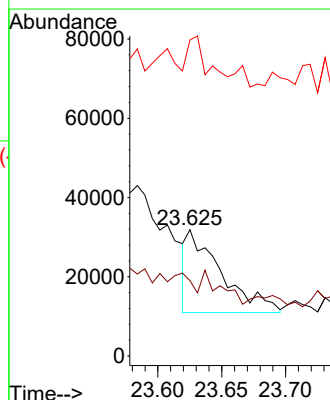
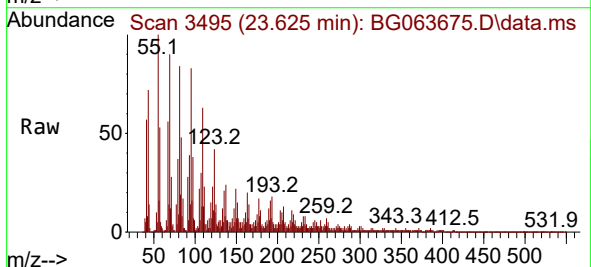
Tgt Ion:252 Resp: 38930

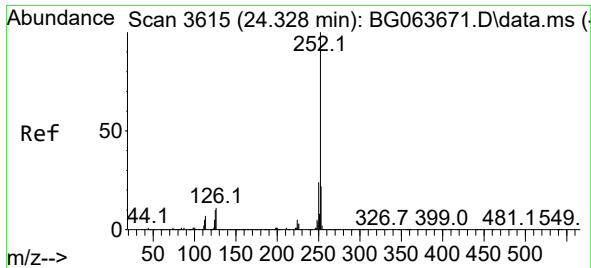
Ion Ratio Lower Upper

252 100

253 59.6 17.7 26.5#

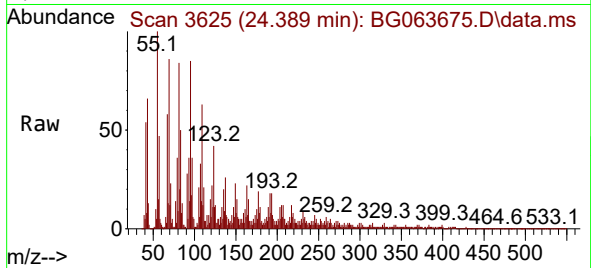
125 250.2 6.5 9.7#





#93  
Benzo(a)pyrene  
Concen: 2.860 ng/ul m  
RT: 24.389 min Scan# 30  
Delta R.T. 0.049 min  
Lab File: BG063675.D  
Acq: 13 Dec 2024 12:52

Instrument :  
BNA\_G  
ClientSampleId :  
E28Q3



Tgt Ion:252 Resp: 77934  
Ion Ratio Lower Upper  
252 100  
253 66.4 16.6 24.8  
125 229.6 8.0 12.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/14/2024  
Supervised By :mohammad ahmed 12/14/2024

