

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
 Data File : BG051667.D  
 Acq On : 19 Dec 2021 17:46  
 Operator : CG/JU  
 Sample : M5153-08  
 Misc :  
 ALS Vial : 85 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGL73

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/20/2021  
 Supervised By :mohammad ahmed 12/24/2021

Quant Time: Dec 20 00:13:02 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.274  | 152  | 43015    | 20.000  | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 11.112 | 136  | 177308   | 20.000  | ng/u1  | #-0.01   |
| 38) Acenaphthene-d10          | 14.912 | 164  | 116618   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.656 | 188  | 240983   | 20.000  | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.973 | 240  | 236351   | 20.000  | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 25.480 | 264  | 248414   | 20.000  | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.598  | 96   | 4068     | 3.928   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.033  | 84   | 11975    | 3.827   | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.399  | 99   | 73016    | 19.011  | ng/u1  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.575  | 67   | 47813    | 20.941  | ng/u1  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.793  | 132  | 54300    | 20.328  | ng/u1  | -0.02    |
| 15) 4-Methylphenol-d8         | 8.967  | 113  | 59158    | 19.927  | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.437  | 128  | 30895    | 23.766  | ng/u1  | -0.02    |
| 24) 2-Nitrophenol-d4          | 10.172 | 143  | 33111    | 23.300  | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.712 | 165  | 57930    | 18.798  | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 11.235 | 131  | 33866    | 8.347   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.301 | 166  | 187483   | 20.086  | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.607 | 160  | 223773   | 19.303  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.071 | 143  | 25757    | 16.969  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.899 | 176  | 164496   | 19.670  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.999 | 200  | 27174    | 21.643  | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.756 | 188  | 252607   | 21.974  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.029 | 212  | 278995   | 19.613  | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.234 | 264  | 265112   | 20.283  | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 8) Phenol                     | 7.428  | 94   | 5216     | 1.366   | ng/u1# | 88       |
| 30) Naphthalene               | 11.165 | 128  | 925013   | 96.834  | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.258 | 127  | 4851     | 1.171   | ng/u1  | 90       |
| 36) 2-Methylnaphthalene       | 12.792 | 142  | 6218939  | 912.546 | ng/u1  | 93       |
| 37) 1-Methylnaphthalene       | 12.997 | 142  | 2947802  | 416.588 | ng/u1# | 97       |
| 43) 1,1'-Biphenyl             | 13.749 | 154  | 1726063  | 193.223 | ng/u1  | 96       |
| 52) Acenaphthene              | 14.977 | 153  | 848287   | 113.212 | ng/u1  | 93       |
| 56) Dibenzofuran              | 15.312 | 168  | 1796942  | 162.842 | ng/u1  | 93       |
| 61) Fluorene                  | 15.958 | 166  | 866127   | 95.259  | ng/u1  | 97       |
| 72) Phenanthrene              | 17.697 | 178  | 400630   | 32.322  | ng/u1  | 96       |
| 80) Fluoranthene              | 19.700 | 202  | 67257m   | 4.119   | ng/u1  |          |
| 82) Pyrene                    | 20.064 | 202  | 29942    | 1.853   | ng/u1# | 86       |
| 86) Bis(2-ethylhexyl)phtha... | 21.844 | 149  | 436617m  | 57.521  | ng/u1  |          |
| 89) Di-n-octyl phthalate      | 23.160 | 149  | 49489    | 3.699   | ng/u1  | 100      |
| -----                         |        |      |          |         |        |          |

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

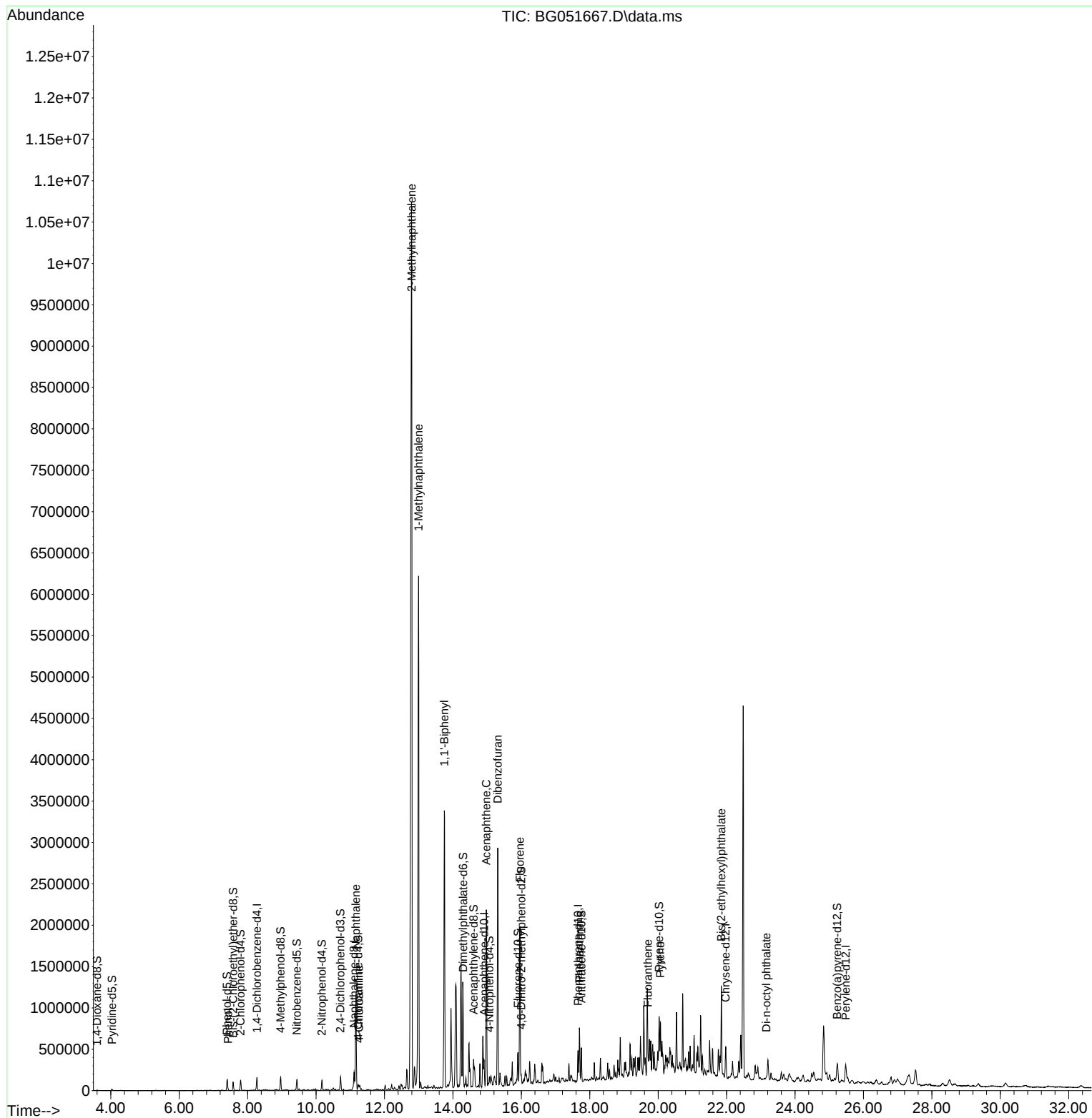
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121721\  
Data File : BG051667.D  
Acq On : 19 Dec 2021 17:46  
Operator : CG/JU  
Sample : M5153-08  
Misc :  
ALS Vial : 85 Sample Multiplier: 1

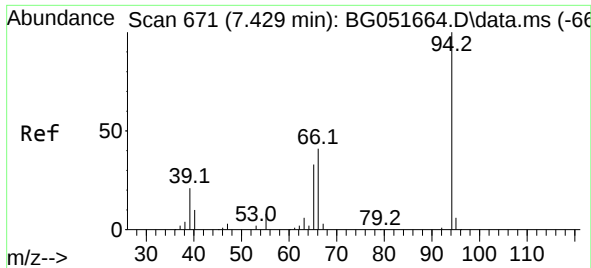
Instrument :  
BNA\_G  
ClientSampleId :  
BGL73

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021

Quant Time: Dec 20 00:13:02 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 14 14:19:57 2021  
Response via : Initial Calibration





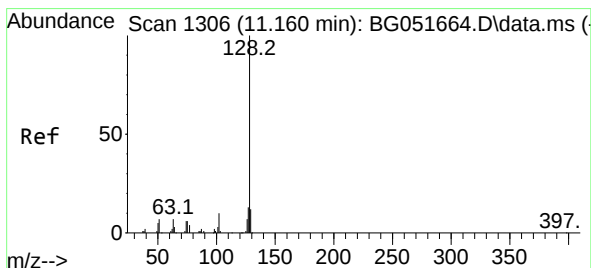
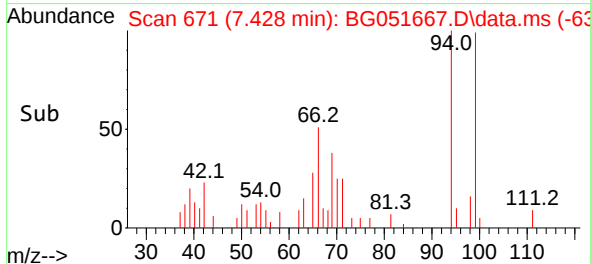
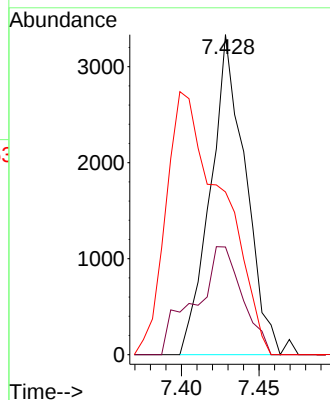
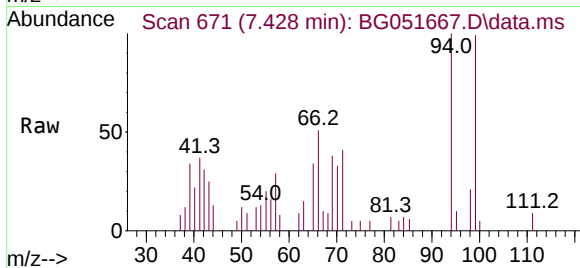
#8  
Phenol  
Concen: 1.366 ng/ul  
RT: 7.428 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Instrument :  
BNA\_G  
ClientSampleId :  
BGL73

Tgt Ion: 94 Resp: 5210  
Ion Ratio Lower Upper  
94 100  
65 33.7 25.1 37.7  
66 50.8 31.6 47.4

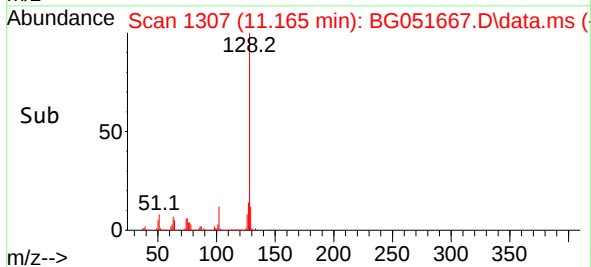
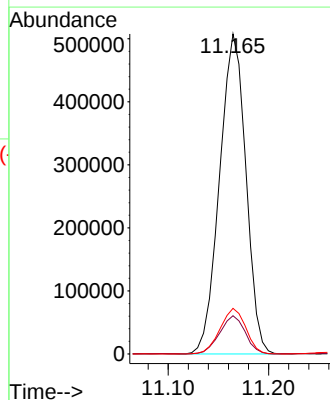
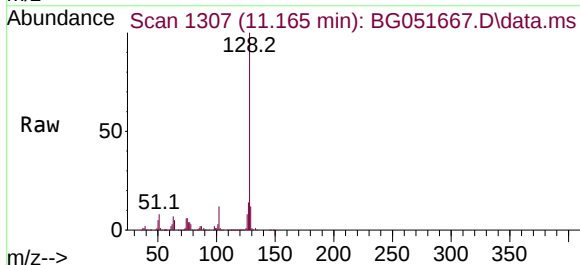
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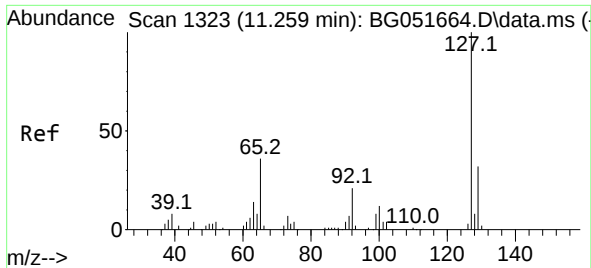
Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



#30  
Naphthalene  
Concen: 96.834 ng/ul  
RT: 11.165 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Tgt Ion:128 Resp: 925013  
Ion Ratio Lower Upper  
128 100  
129 12.0 8.5 12.7  
127 14.3 11.8 17.6





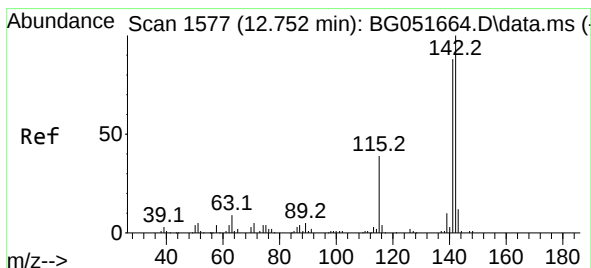
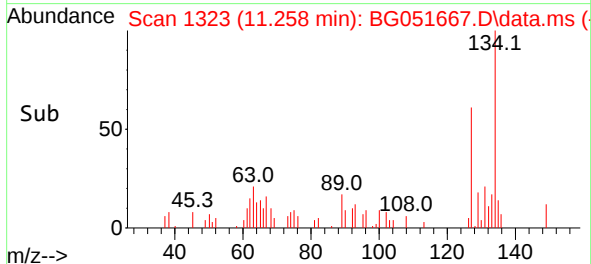
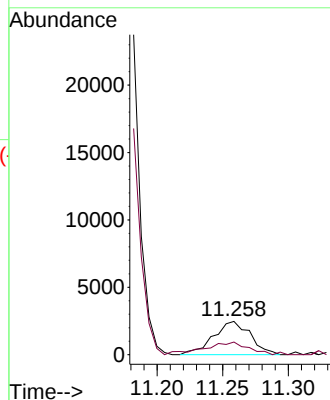
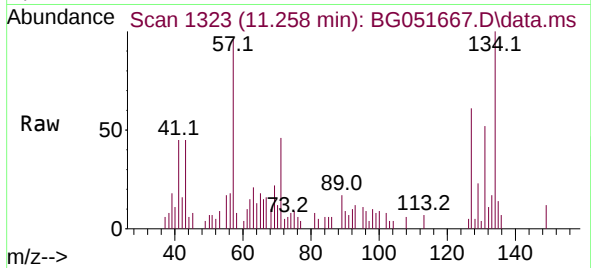
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4-Chloroaniline  
Concen: 1.171 ng/ul  
RT: 11.258 min Scan# 111  
Delta R.T. -0.012 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Instrument :  
BNA\_G  
ClientSampleId :  
BGL73

Tgt Ion:127 Resp: 485  
Ion Ratio Lower Upper  
127 100  
129 38.2 26.2 39.2

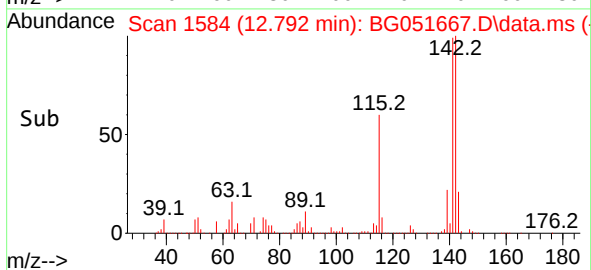
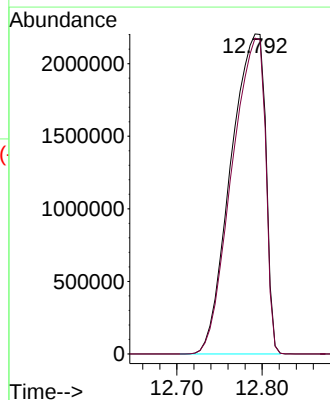
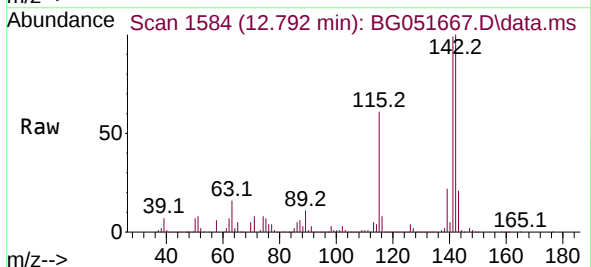
Manual Integrations  
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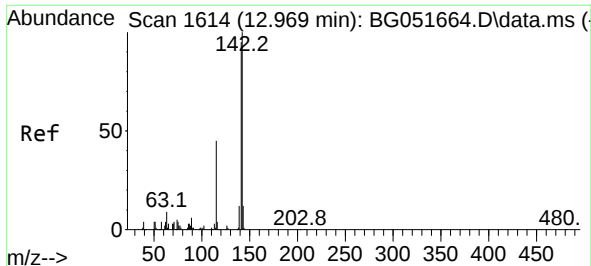
Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



#36  
2-Methylnaphthalene  
Concen: 912.546 ng/ul  
RT: 12.792 min Scan# 1584  
Delta R.T. 0.023 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Tgt Ion:142 Resp: 6218939  
Ion Ratio Lower Upper  
142 100  
141 98.7 73.3 109.9





#37

1-Methylnaphthalene

Concen: 416.588 ng/ul

RT: 12.997 min Scan# 1

Delta R.T. 0.011 min

Lab File: BG051667.D

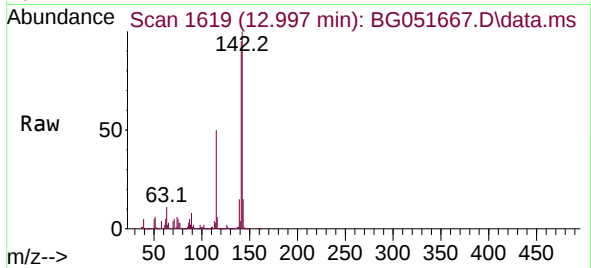
Acq: 19 Dec 2021 17:46

Instrument :

BNA\_G

ClientSampleId :

BGL73



Tgt Ion:142 Resp: 294780

Ion Ratio Lower Upper

142 100

141 94.9 77.8 116.8

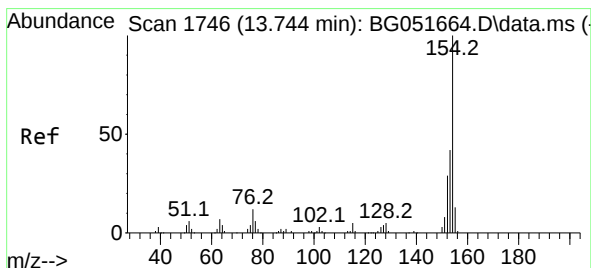
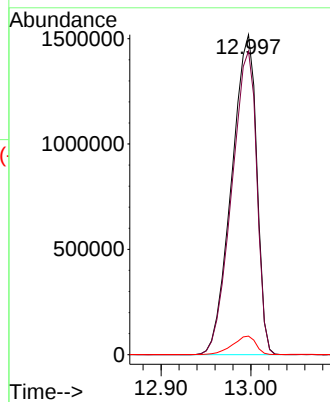
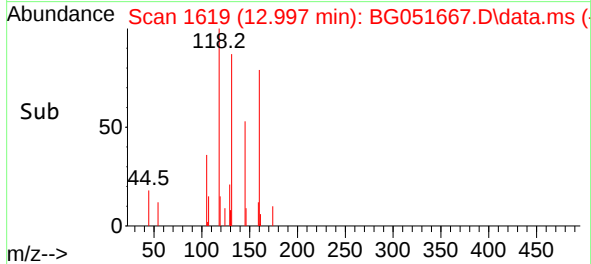
116 5.8 3.3 4.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/20/2021

Supervised By :mohammad ahmed 12/24/2021



#43

1,1'-Biphenyl

Concen: 193.223 ng/ul

RT: 13.749 min Scan# 1747

Delta R.T. -0.007 min

Lab File: BG051667.D

Acq: 19 Dec 2021 17:46

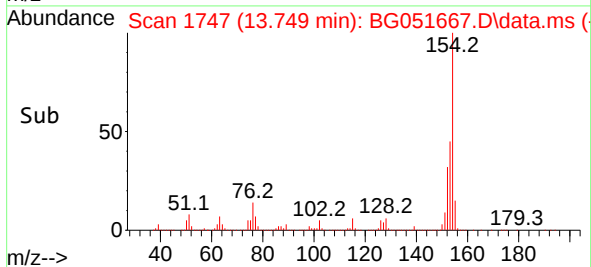
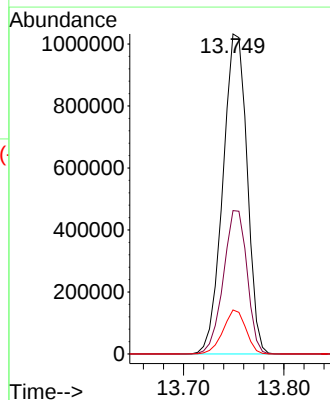
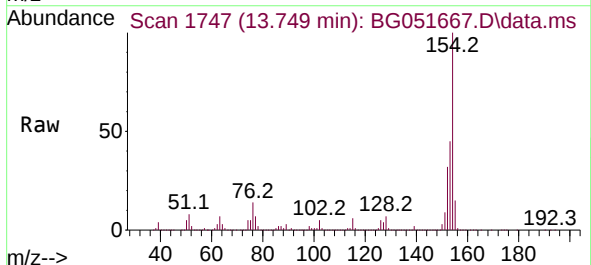
Tgt Ion:154 Resp: 1726063

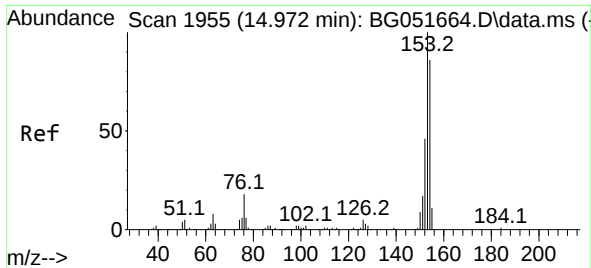
Ion Ratio Lower Upper

154 100

153 44.8 34.5 51.7

76 13.7 13.1 19.7





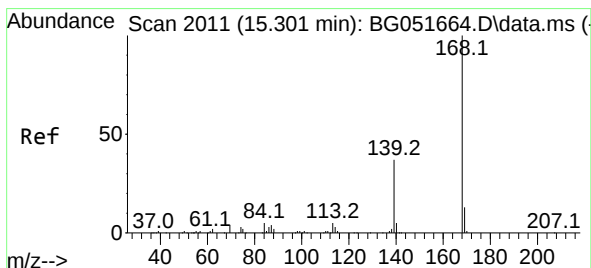
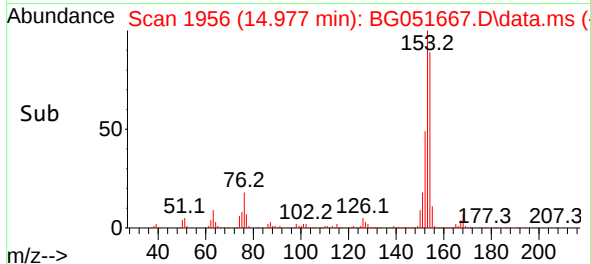
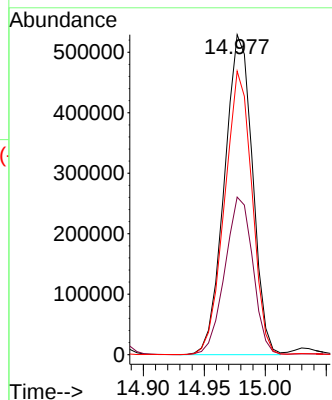
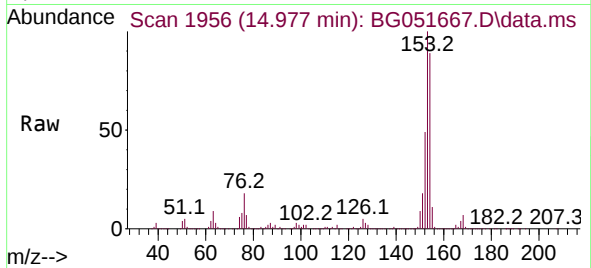
#52  
Acenaphthene  
Concen: 113.212 ng/u1  
RT: 14.977 min Scan# 1955  
Delta R.T. -0.007 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Instrument :  
BNA\_G  
ClientSampleId :  
BGL73

Tgt Ion:153 Resp: 84828  
Ion Ratio Lower Upper  
153 100  
152 49.2 36.5 54.7  
154 88.6 65.8 98.6

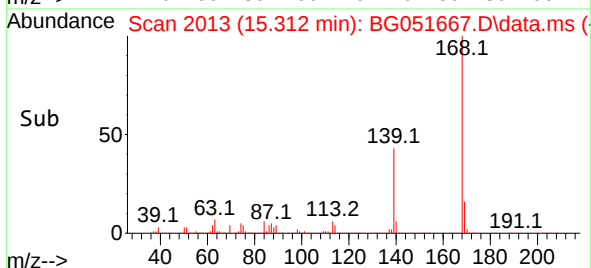
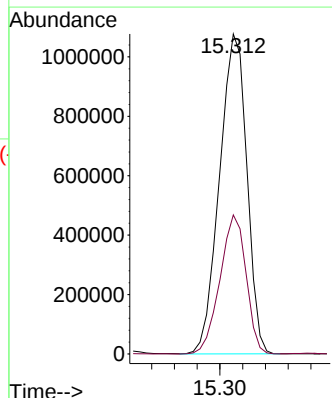
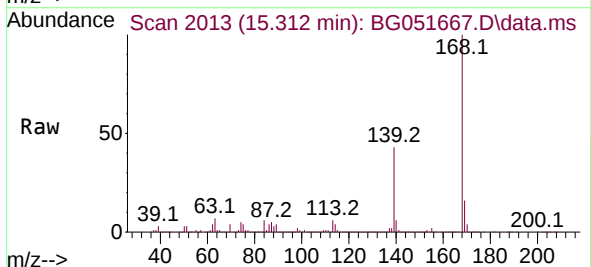
Manual Integrations  
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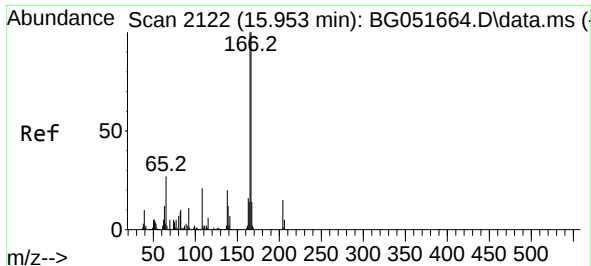
Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



#56  
Dibenzofuran  
Concen: 162.842 ng/u1  
RT: 15.312 min Scan# 2013  
Delta R.T. -0.007 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

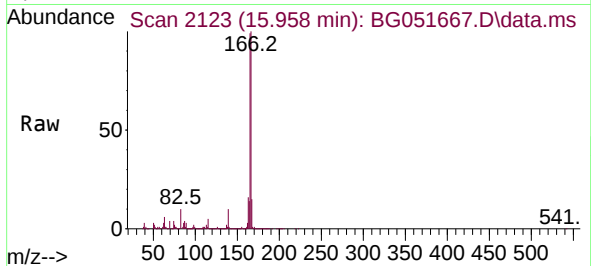
Tgt Ion:168 Resp: 1796942  
Ion Ratio Lower Upper  
168 100  
139 43.4 31.2 46.8





#61  
Fluorene  
Concen: 95.259 ng/u1  
RT: 15.958 min Scan# 2122  
Delta R.T. -0.007 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

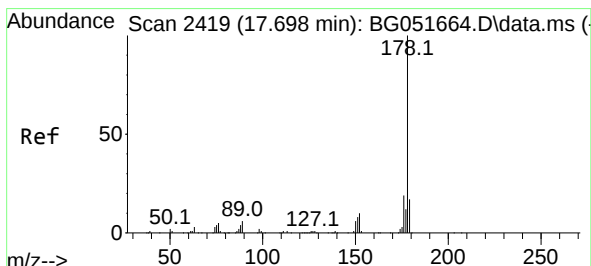
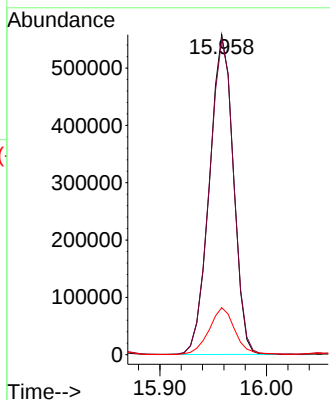
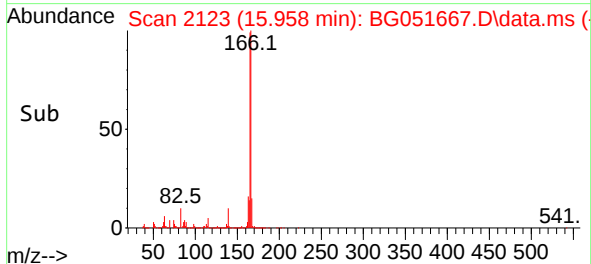
Instrument :  
BNA\_G  
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Tgt Ion:166 Resp: 86612  
Ion Ratio Lower Upper  
166 100  
165 98.8 81.0 121.6  
167 14.7 11.0 16.4

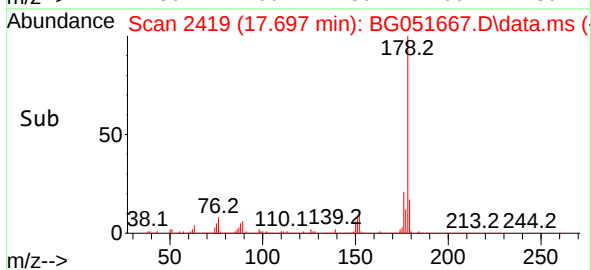
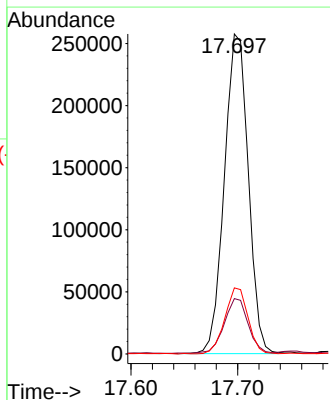
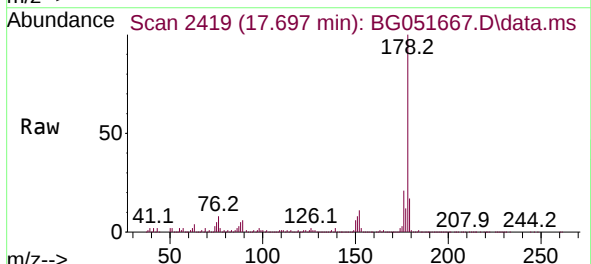
Manual Integrations  
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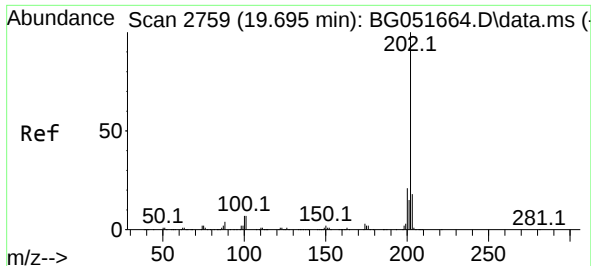
Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



#72  
Phenanthrene  
Concen: 32.322 ng/u1  
RT: 17.697 min Scan# 2419  
Delta R.T. -0.012 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

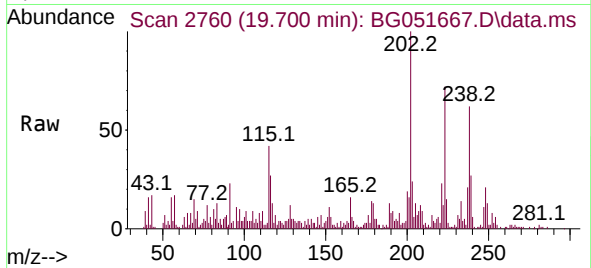
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Ion Ratio Lower Upper  
178 100  
179 17.3 12.3 18.5  
176 20.7 15.5 23.3





#80  
Fluoranthene  
Concen: 4.119 ng/ul m  
RT: 19.700 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

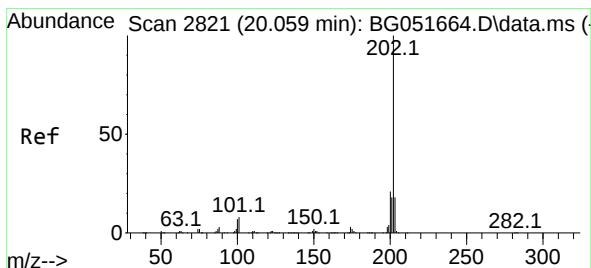
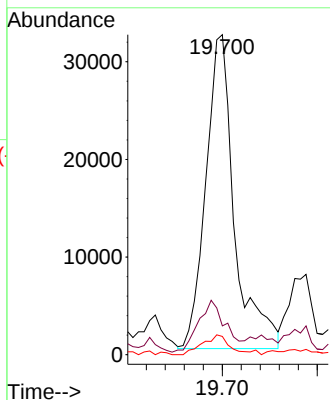
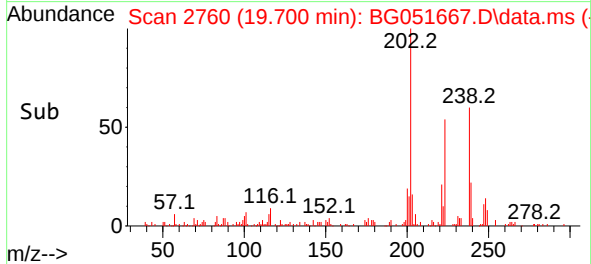
Instrument :  
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Tgt Ion:202 Resp: 6725  
Ion Ratio Lower Upper  
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101 9.0 9.3 13.9#  
100 5.7 7.0 10.6#

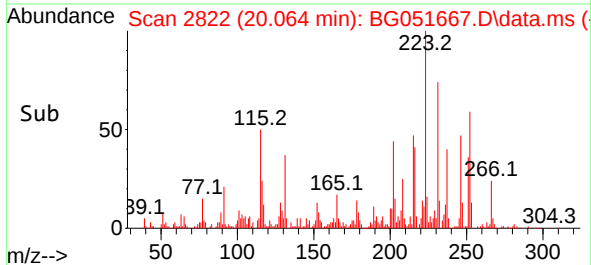
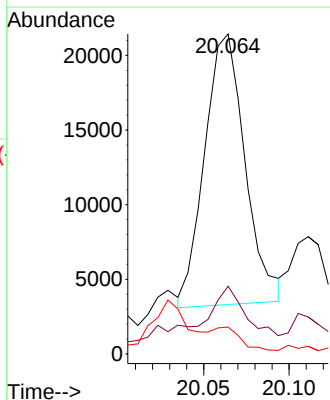
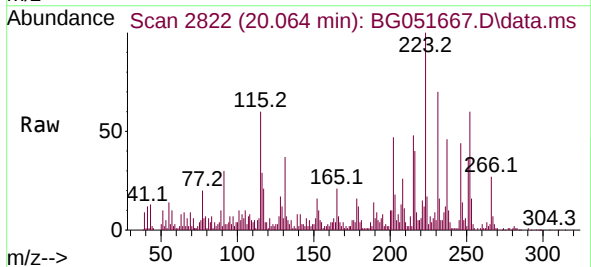
Manual Integrations  
APPROVED

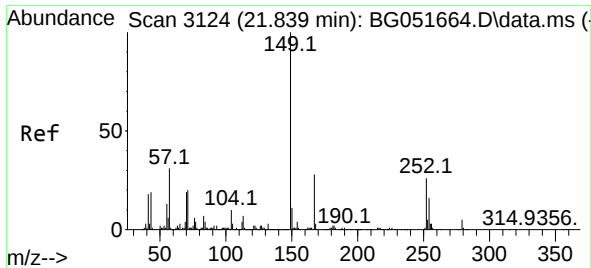
Reviewed By :Jagrut Upadhyay 12/20/2021  
Supervised By :mohammad ahmed 12/24/2021



#82  
Pyrene  
Concen: 1.853 ng/ul  
RT: 20.064 min Scan# 2822  
Delta R.T. -0.001 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Tgt Ion:202 Resp: 29942  
Ion Ratio Lower Upper  
202 100  
101 21.2 10.7 16.1#  
100 8.4 9.0 13.6#





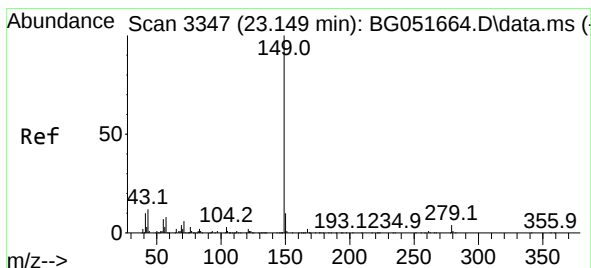
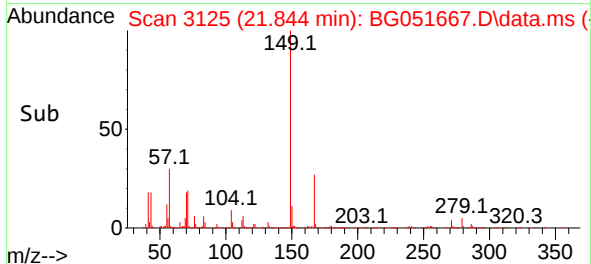
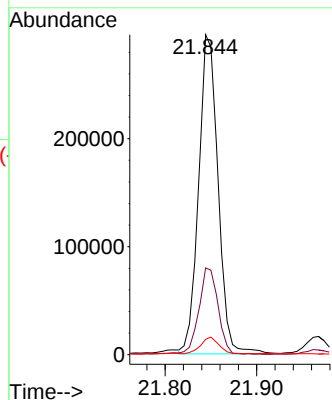
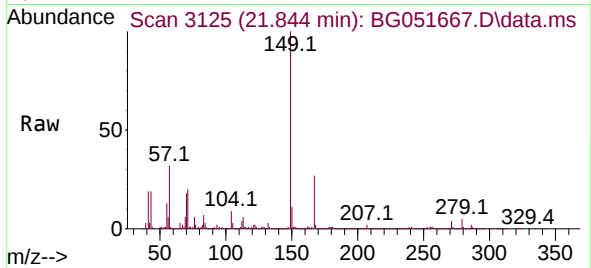
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 57.521 ng/ul m  
RT: 21.844 min Scan# 3125  
Delta R.T. -0.024 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Instrument :  
BNA\_G  
ClientSampleId :  
BGL73

Tgt Ion:149 Resp: 43661  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.1 31.7  
279 4.8 2.7 4.1

Manual Integrations  
APPROVED

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#89  
Di-n-octyl phthalate  
Concen: 3.699 ng/ul  
RT: 23.160 min Scan# 3349  
Delta R.T. -0.024 min  
Lab File: BG051667.D  
Acq: 19 Dec 2021 17:46

Tgt Ion:149 Resp: 49489

