

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010424\  
 Data File : BG060245.D  
 Acq On : 4 Jan 2024 14:58  
 Operator : MA/JU  
 Sample : 06039-05DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EC48-BOTTOMDL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 15:43:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 30 03:14:04 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.938  | 152  | 195872   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.741 | 136  | 806482   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.577 | 164  | 625203   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.321 | 188  | 1585876  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.587 | 240  | 1462467  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.765 | 264  | 1674525  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.512  | 112  | 251471   | 19.378 | ng    | 0.00     |
| 7) Phenol-d6                | 7.098  | 99   | 376727   | 19.552 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.096  | 82   | 218304   | 12.503 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.064 | 330  | 169264   | 20.225 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.197 | 172  | 614390   | 14.124 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.942 | 244  | 1154986  | 15.183 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde             | 7.074  | 77   | 181479   | 15.665 | ng    | 90       |
| 22) Acetophenone            | 8.761  | 105  | 83872    | 3.510  | ng    | # 97     |
| 32) Benzoic acid            | 10.006 | 122  | 15180m   | 11.782 | ng    |          |
| 50) Dimethylphthalate       | 14.025 | 163  | 3505256  | 72.617 | ng    | 96       |
| -----                       |        |      |          |        |       |          |

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

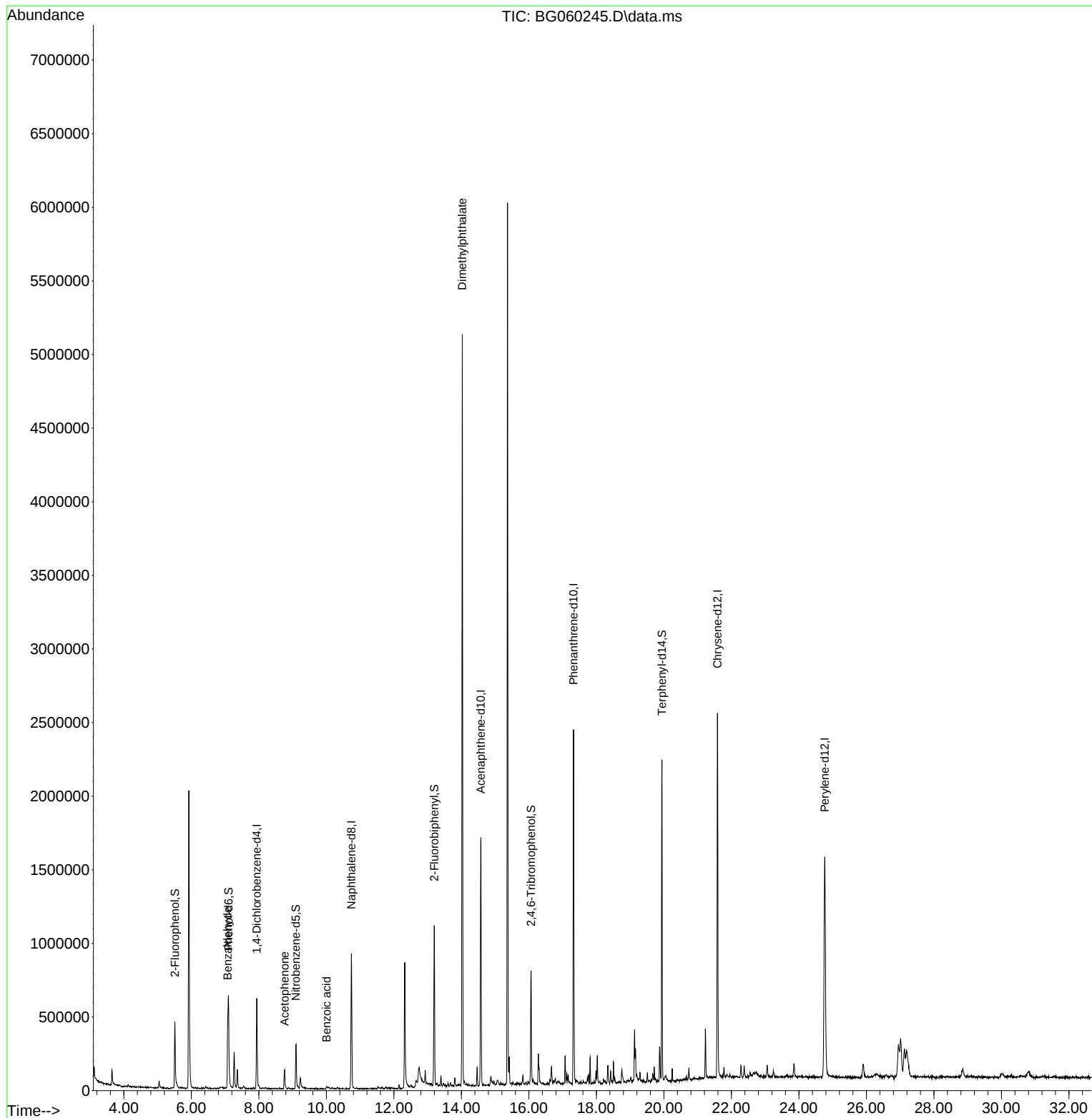
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010424\  
Data File : BG060245.D  
Acq On : 4 Jan 2024 14:58  
Operator : MA/JU  
Sample : 06039-05DL 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

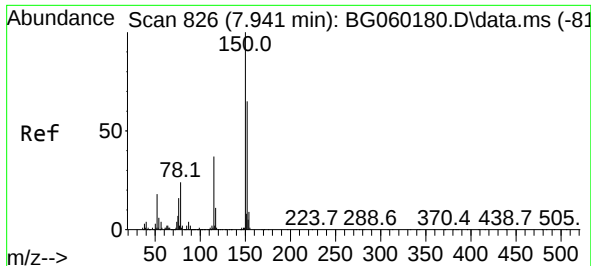
Instrument :  
BNA\_G  
ClientSampleId :  
EC48-BOTTOMDL

Quant Time: Jan 04 15:43:16 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 30 03:14:04 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

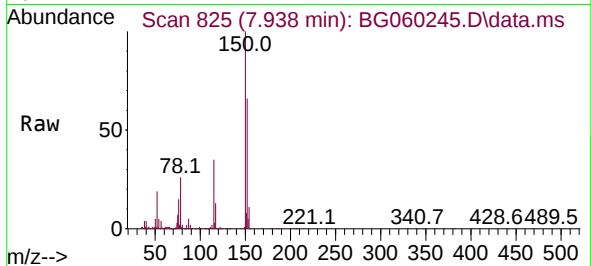
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.938 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

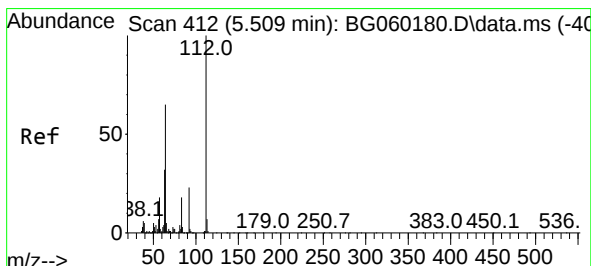
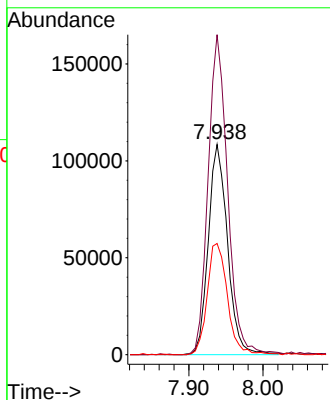
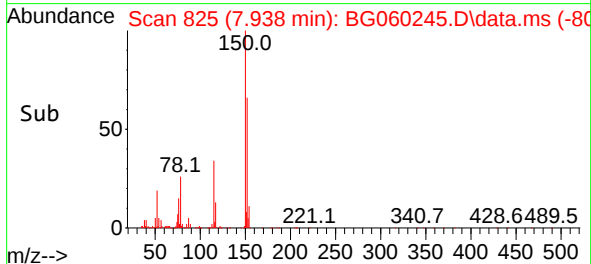
Instrument :  
BNA\_G  
ClientSampleId :  
EC48-BOTTOMDL



Tgt Ion:152 Resp: 195872  
Ion Ratio Lower Upper  
152 100  
150 152.2 123.4 185.0  
115 52.9 45.4 68.0

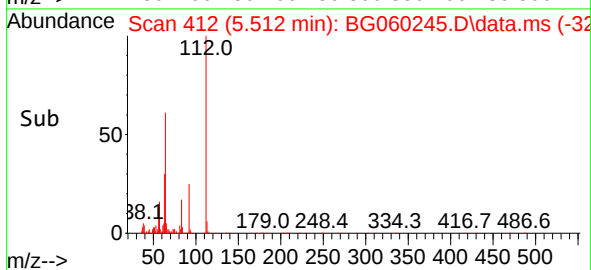
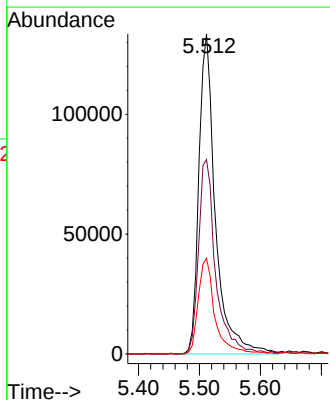
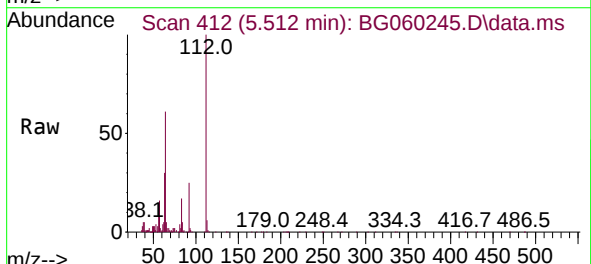
Manual Integrations  
APPROVED

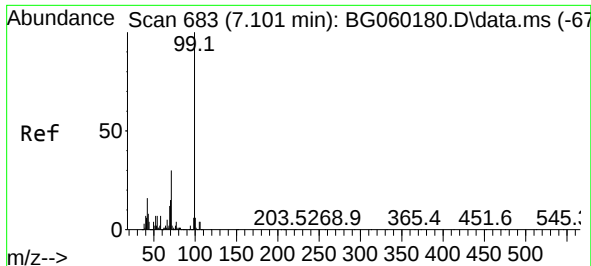
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#5  
2-Fluorophenol  
Concen: 19.378 ng  
RT: 5.512 min Scan# 412  
Delta R.T. 0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Tgt Ion:112 Resp: 251471  
Ion Ratio Lower Upper  
112 100  
64 60.8 52.2 78.4  
63 29.9 25.4 38.0





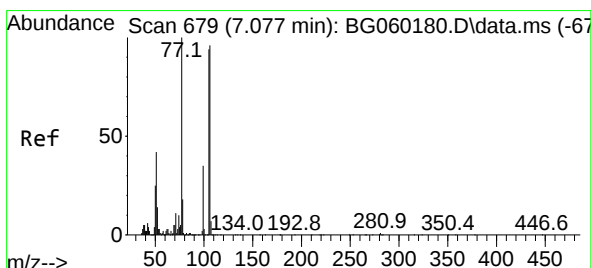
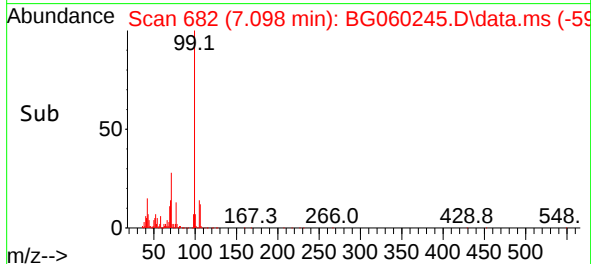
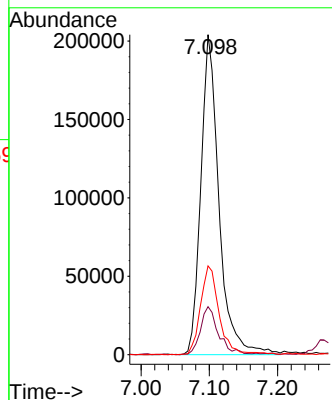
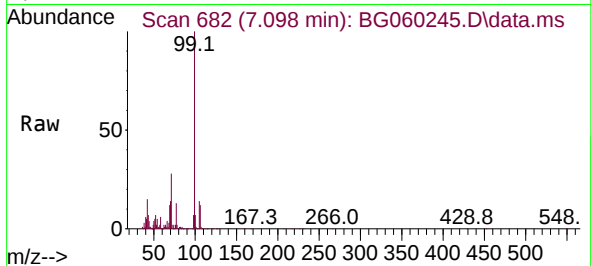
#7  
Phenol-d6  
Concen: 19.552 ng  
RT: 7.098 min Scan# 682  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Instrument :  
BNA\_G  
ClientSampleId :  
EC48-BOTTOMDL

Tgt Ion: 99 Resp: 37672  
Ion Ratio Lower Upper  
99 100  
42 15.0 12.5 18.7  
71 27.8 24.1 36.1

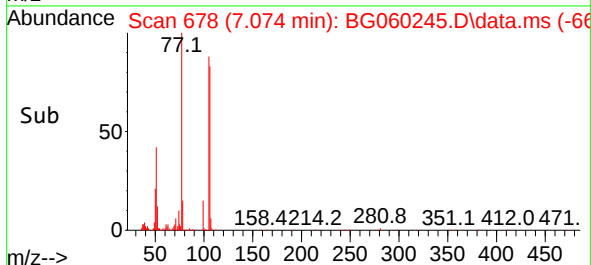
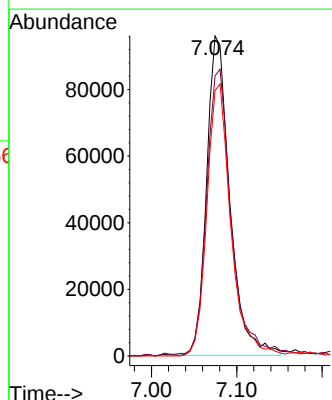
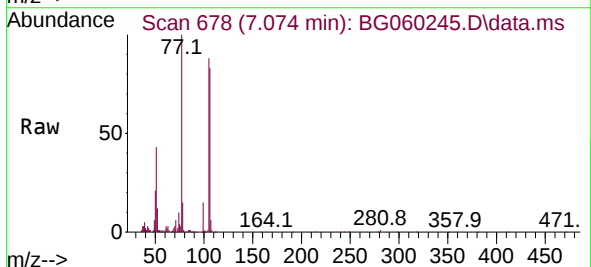
Manual Integrations  
APPROVED

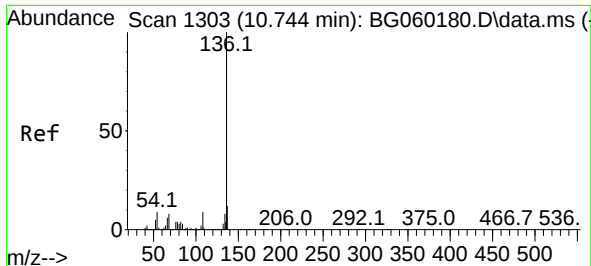
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#9  
Benzaldehyde  
Concen: 15.665 ng  
RT: 7.074 min Scan# 678  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Tgt Ion: 77 Resp: 181479  
Ion Ratio Lower Upper  
77 100  
105 87.6 73.8 113.8  
106 83.0 76.2 116.2





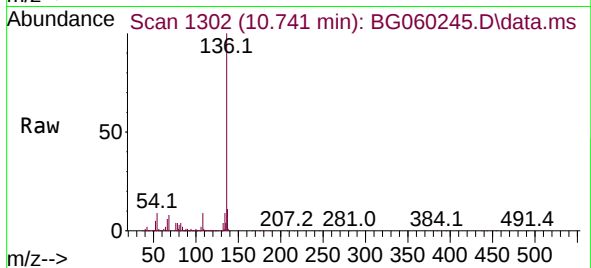
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.741 min Scan# 1303  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Instrument :

BNL\_G

ClientSampleId :

EC48-BOTTOMDL



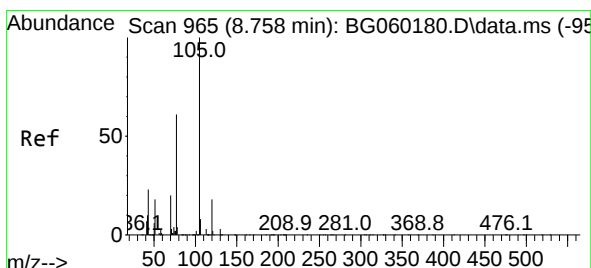
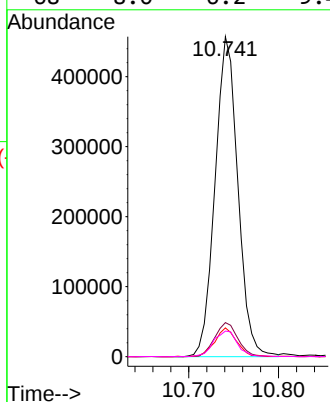
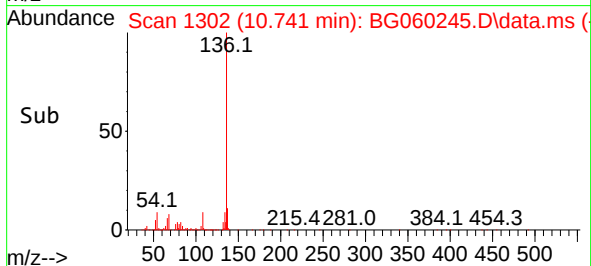
Tgt Ion:136 Resp: 80648  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.4 14.0  
54 9.0 7.4 11.2  
68 8.0 6.2 9.4

Manual Integrations

APPROVED

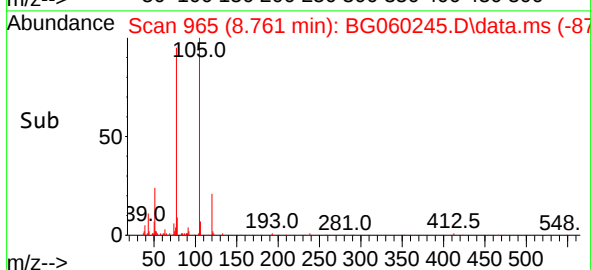
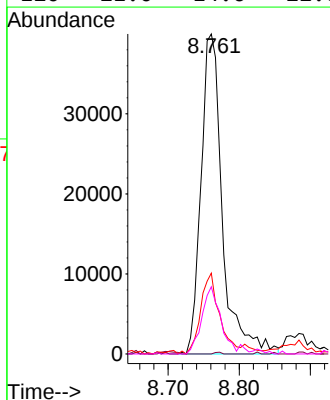
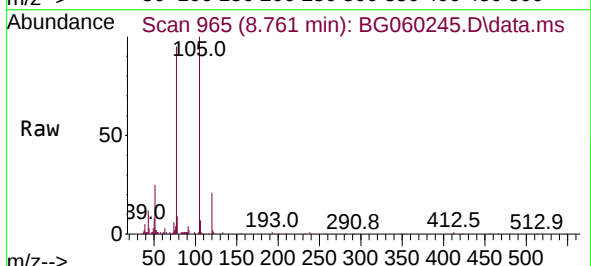
Reviewed By :Yogesh Patel 01/05/2024

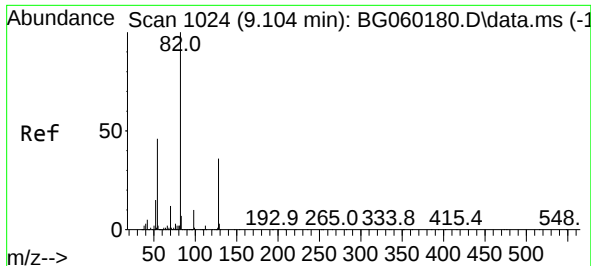
Supervised By :mohammad ahmed 01/05/2024



#22  
Acetophenone  
Concen: 3.510 ng  
RT: 8.761 min Scan# 965  
Delta R.T. 0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Tgt Ion:105 Resp: 83872  
Ion Ratio Lower Upper  
105 100  
71 0.0 2.6 3.8#  
51 25.3 20.0 30.0  
120 21.0 14.6 22.0





#23

Nitrobenzene-d5

Concen: 12.503 ng

RT: 9.096 min Scan# 1177

Delta R.T. -0.009 min

Lab File: BG060245.D

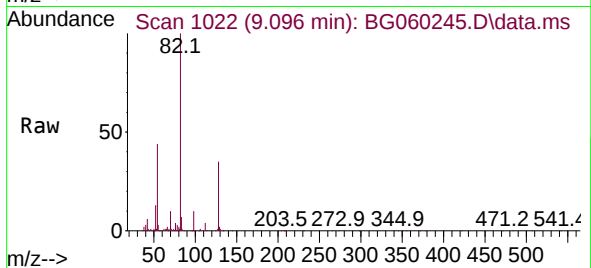
Acq: 4 Jan 2024 14:58

Instrument :

BNA\_G

ClientSampleId :

EC48-BOTTOMDL



Tgt Ion: 82 Resp: 218304

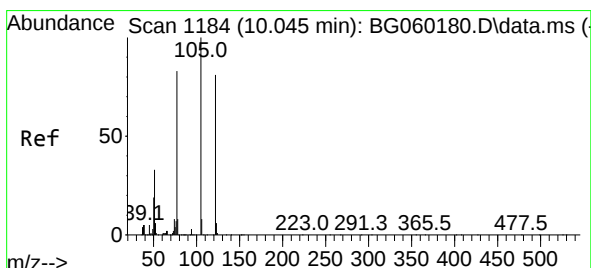
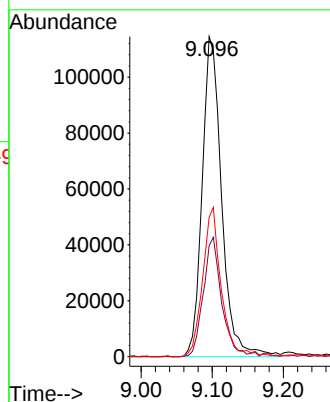
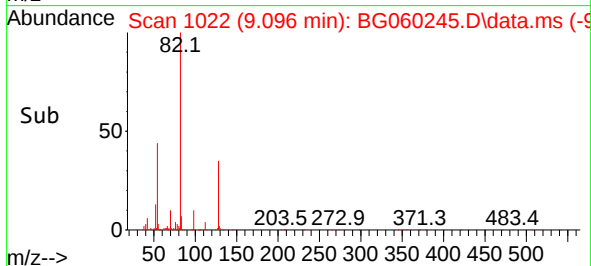
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 34.7  | 28.7  | 43.1  |
| 54  | 43.6  | 36.9  | 55.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#32

Benzoic acid

Concen: 11.782 ng m

RT: 10.006 min Scan# 1177

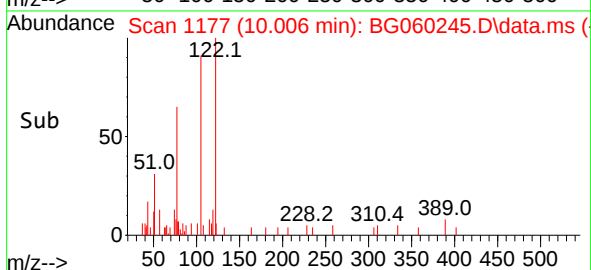
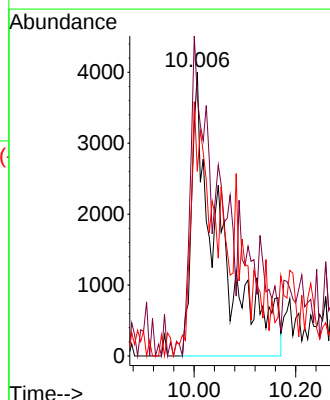
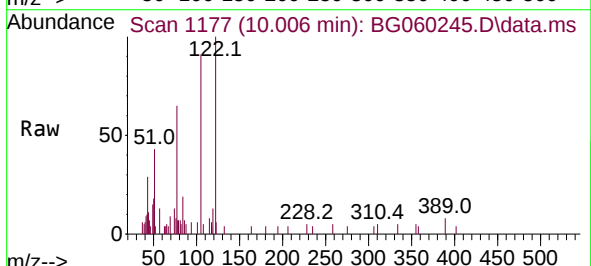
Delta R.T. -0.039 min

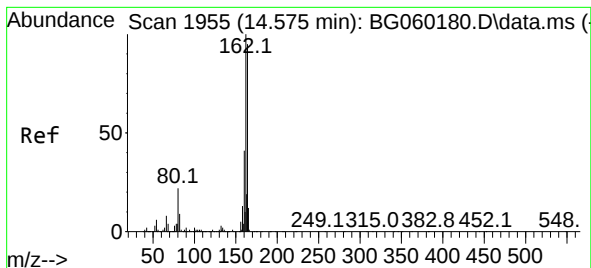
Lab File: BG060245.D

Acq: 4 Jan 2024 14:58

Tgt Ion:122 Resp: 15180

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 122 | 100   |       |        |
| 105 | 91.1  | 99.2  | 139.2# |
| 77  | 65.1  | 81.0  | 121.0# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1955

Delta R.T. 0.003 min

Lab File: BG060245.D

Acq: 4 Jan 2024 14:58

Instrument :

BNA\_G

ClientSampleId :

EC48-BOTTOMDL

Tgt Ion:164 Resp: 62520

Ion Ratio Lower Upper

164 100

162 104.4 83.9 125.9

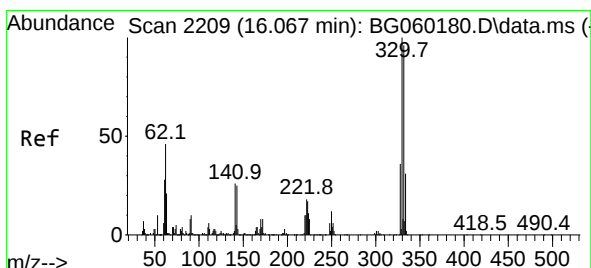
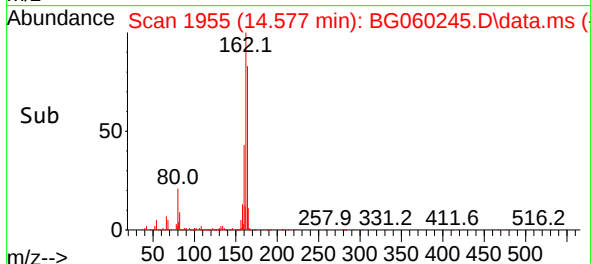
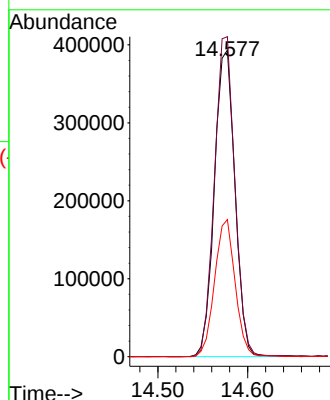
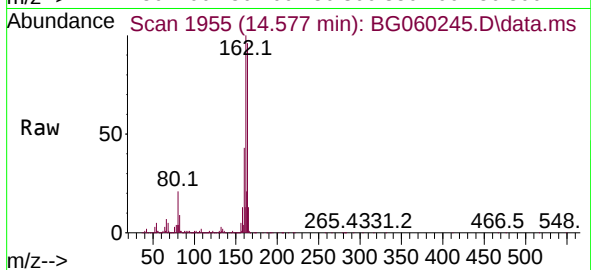
160 44.7 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#42

2,4,6-Tribromophenol

Concen: 20.225 ng

RT: 16.064 min Scan# 2208

Delta R.T. -0.003 min

Lab File: BG060245.D

Acq: 4 Jan 2024 14:58

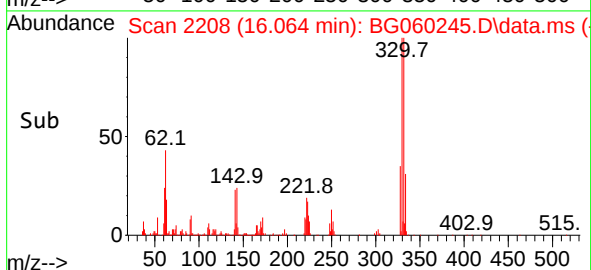
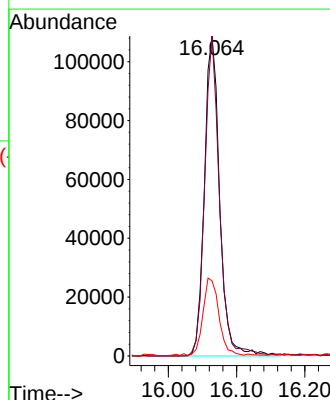
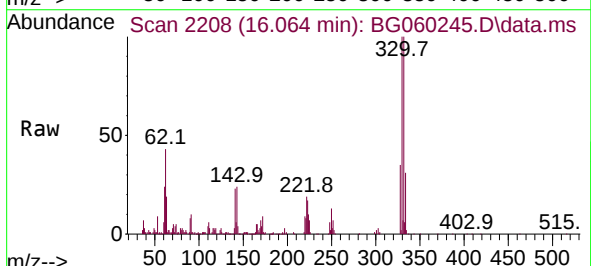
Tgt Ion:330 Resp: 169264

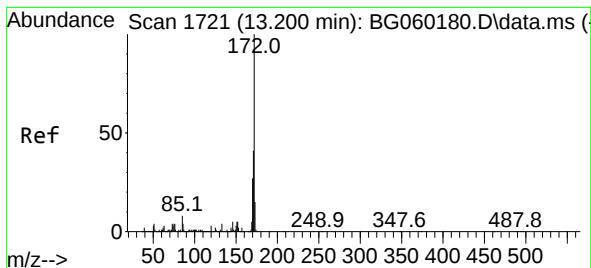
Ion Ratio Lower Upper

330 100

332 96.2 76.7 115.1

141 24.9 21.0 31.4





#45  
2-Fluorobiphenyl  
Concen: 14.124 ng  
RT: 13.197 min Scan# 1720  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Instrument :

BNA\_G

ClientSampleId :

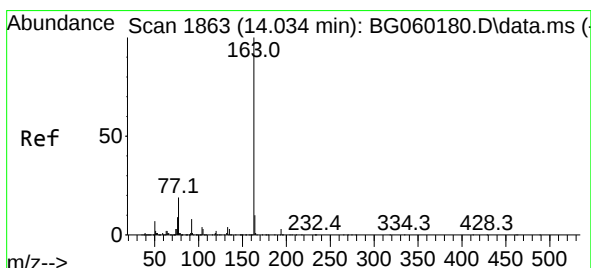
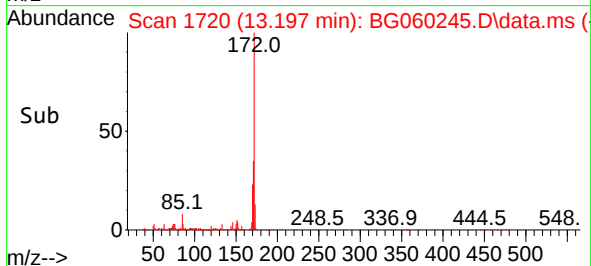
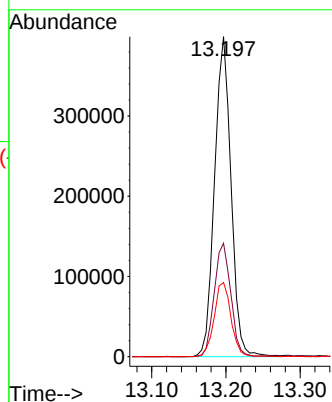
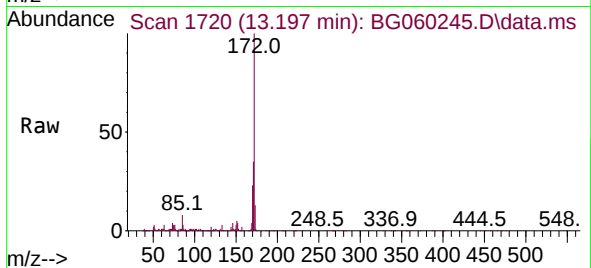
EC48-BOTTOMDL

Tgt Ion:172 Resp: 614390  
Ion Ratio Lower Upper  
172 100  
171 35.5 32.6 48.8  
170 23.2 21.8 32.6

Manual Integrations

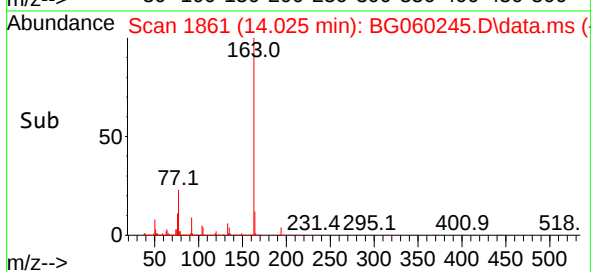
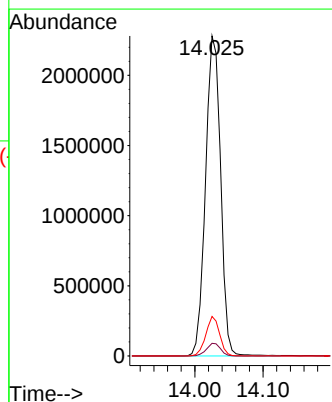
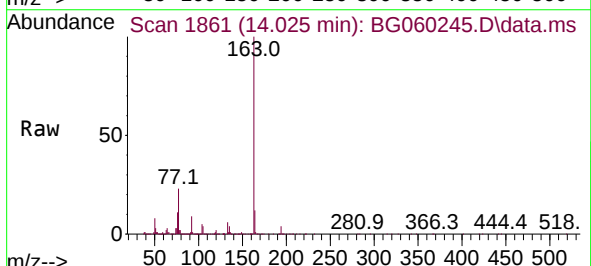
APPROVED

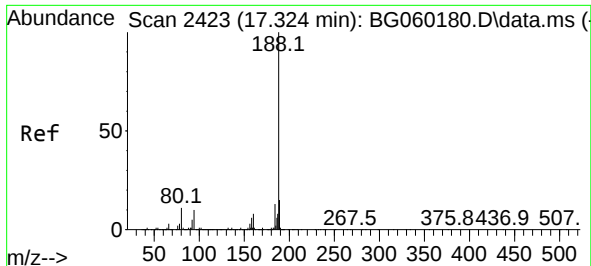
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#50  
Dimethylphthalate  
Concen: 72.617 ng  
RT: 14.025 min Scan# 1861  
Delta R.T. -0.009 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Tgt Ion:163 Resp: 3505256  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.6 4.0  
164 12.4 8.3 12.5





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.321 min Scan# 2423  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Instrument :

BNA\_G

ClientSampleId :

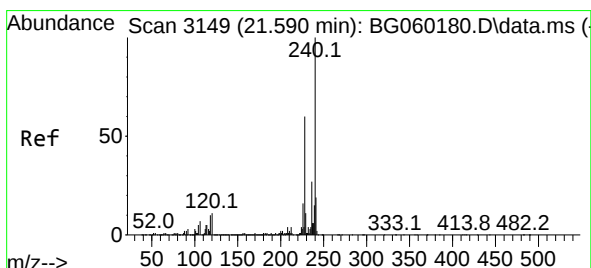
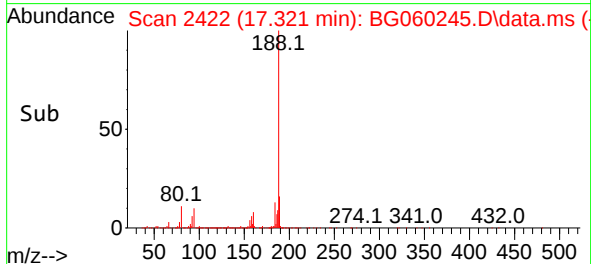
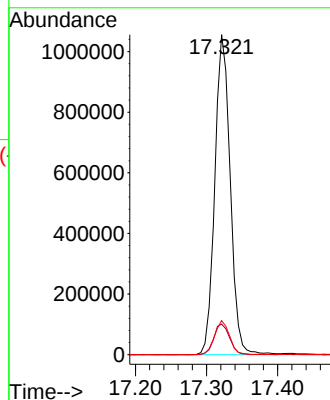
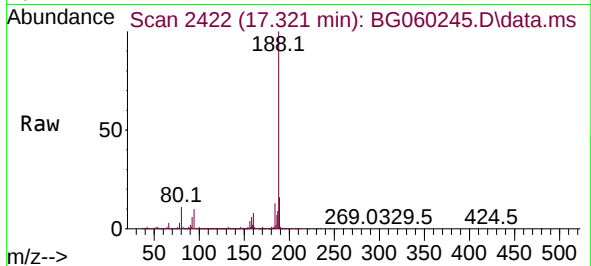
EC48-BOTTOMDL

Tgt Ion:188 Resp: 1585870  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.8 11.6  
80 10.6 8.6 13.0

Manual Integrations

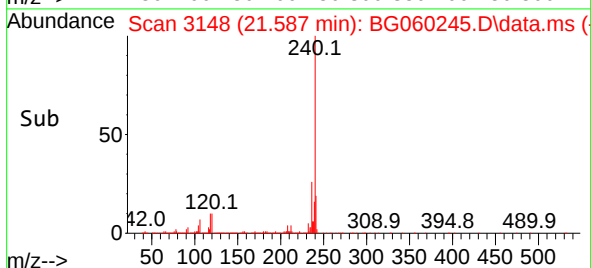
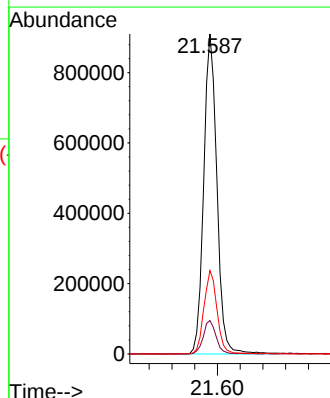
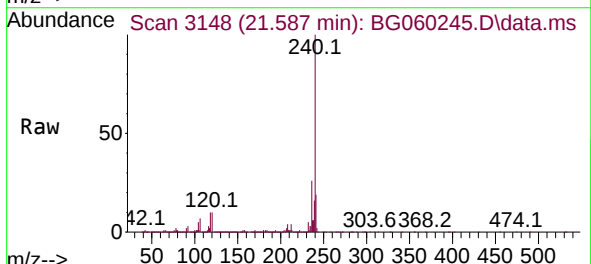
APPROVED

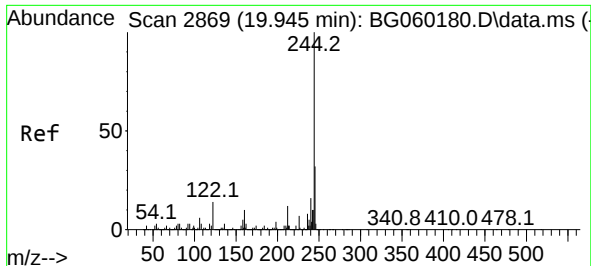
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.587 min Scan# 3148  
Delta R.T. -0.003 min  
Lab File: BG060245.D  
Acq: 4 Jan 2024 14:58

Tgt Ion:240 Resp: 1462467  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.5 12.7  
236 26.1 21.4 32.2





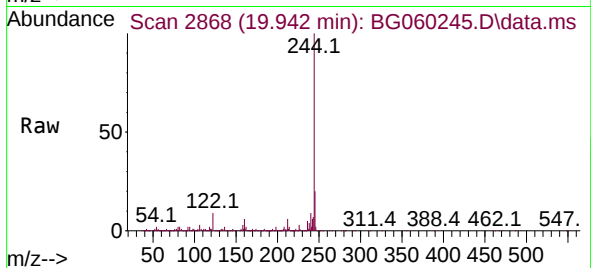
#79  
 Terphenyl-d14  
 Concen: 15.183 ng  
 RT: 19.942 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: BG060245.D  
 Acq: 4 Jan 2024 14:58

Instrument :

BNA\_G

ClientSampleId :

EC48-BOTTOMDL



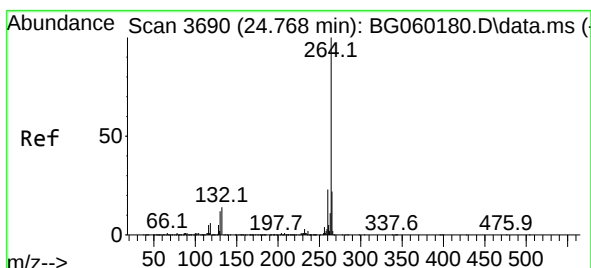
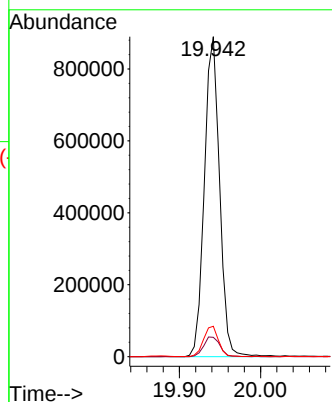
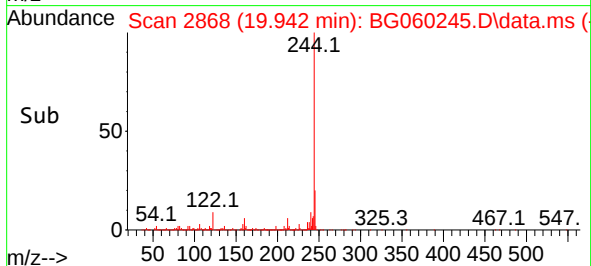
Tgt Ion:244 Resp: 1154980  
 Ion Ratio Lower Upper  
 244 100  
 212 6.0 9.5 14.3  
 122 9.5 11.4 17.2

Manual Integrations

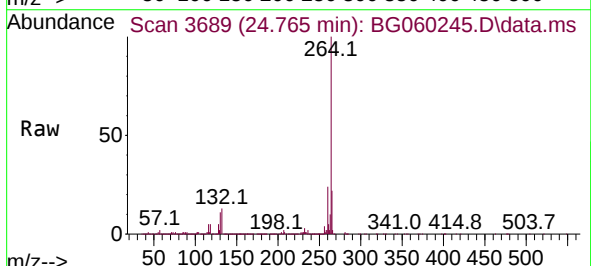
APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.765 min Scan# 3689  
 Delta R.T. -0.003 min  
 Lab File: BG060245.D  
 Acq: 4 Jan 2024 14:58



Tgt Ion:264 Resp: 1674525  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.0 27.0  
 265 22.1 17.4 26.0

