

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013024\  
 Data File : BG060498.D  
 Acq On : 31 Jan 2024 00:45  
 Operator : MA/JU  
 Sample : P1243-01 2X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-308-0-2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024  
 Supervised By :Sohil Jodhani 01/31/2024

Quant Time: Jan 31 01:27:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.925  | 152  | 195599   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.728 | 136  | 795924   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.565 | 164  | 585705   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.309 | 188  | 1374527  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.574 | 240  | 1188707  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.741 | 264  | 1341837  | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 443965   | 37.333 | ng    | 0.00     |
| 7) Phenol-d6                | 7.091  | 99   | 669477   | 38.018 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.083  | 82   | 411370   | 24.405 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.051 | 330  | 330413   | 38.342 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.184 | 172  | 1140095  | 27.063 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.929 | 244  | 1777752  | 28.264 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.350 | 178  | 243883   | 3.671  | ng    | 95       |
| 75) Fluoranthene            | 19.365 | 202  | 582479   | 7.299  | ng    | 86       |
| 78) Pyrene                  | 19.729 | 202  | 570810   | 7.520  | ng    | # 86     |
| 81) Benzo(a)anthracene      | 21.556 | 228  | 323827m  | 4.400  | ng    |          |
| 83) Chrysene                | 21.621 | 228  | 304329   | 4.205  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene  | 28.337 | 276  | 206263   | 2.211  | ng    | # 83     |
| 88) Benzo(b)fluoranthene    | 23.736 | 252  | 417185   | 5.263  | ng    | 99       |
| 90) Benzo(a)pyrene          | 24.588 | 252  | 291112   | 4.065  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 29.465 | 276  | 235830   | 3.020  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

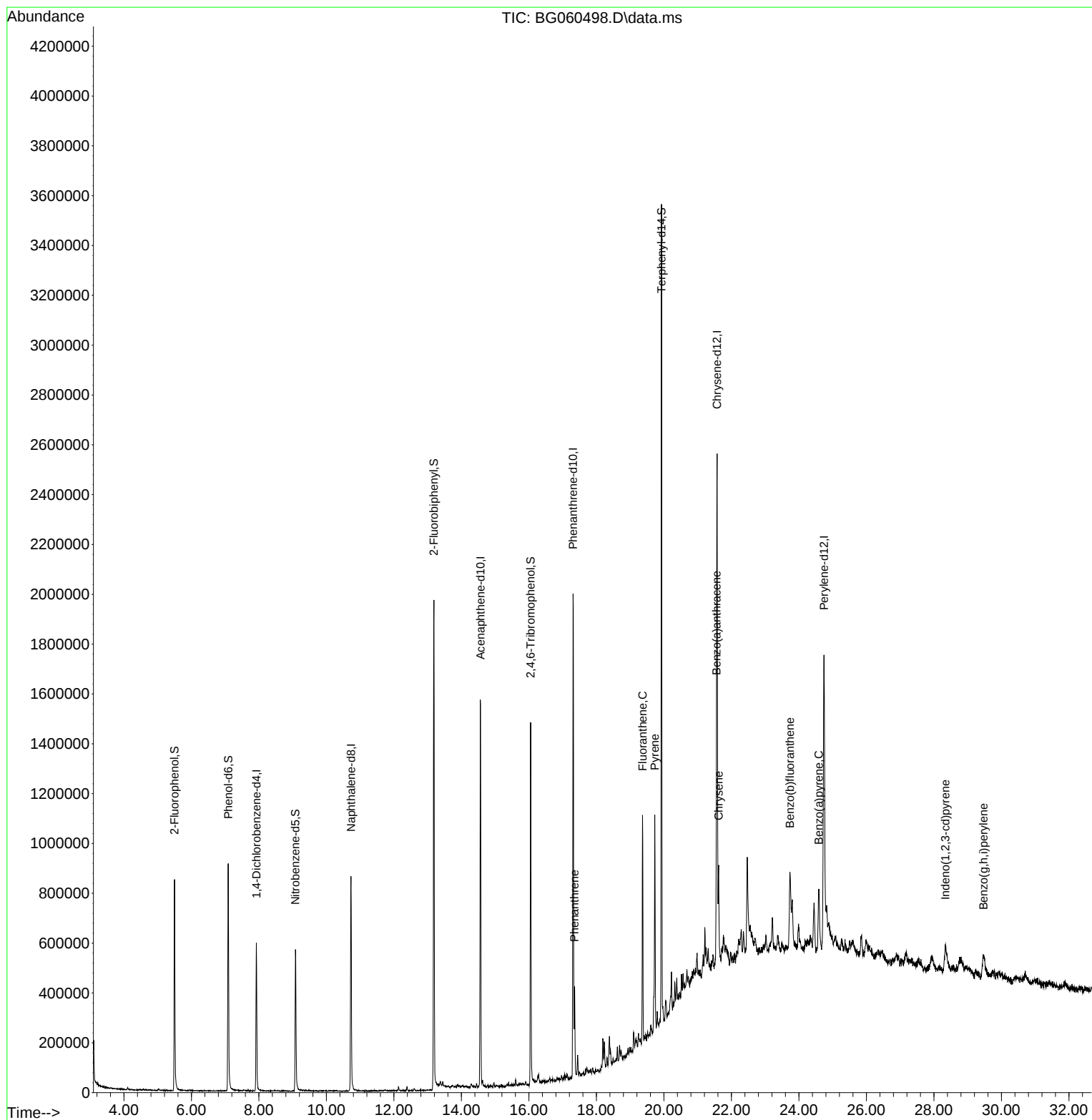
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG013024\  
Data File : BG060498.D  
Acq On : 31 Jan 2024 00:45  
Operator : MA/JU  
Sample : P1243-01 2X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

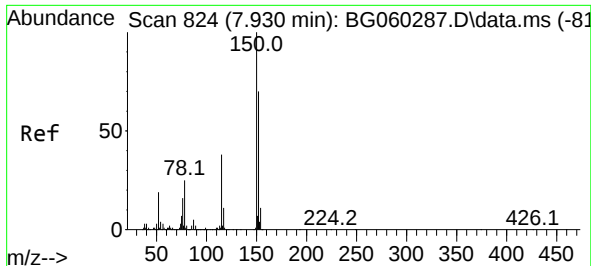
Instrument :  
BNA\_G  
ClientSampleId :  
MR-308-0-2

Quant Time: Jan 31 01:27:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 09 04:07:12 2024  
Response via : Initial Calibration

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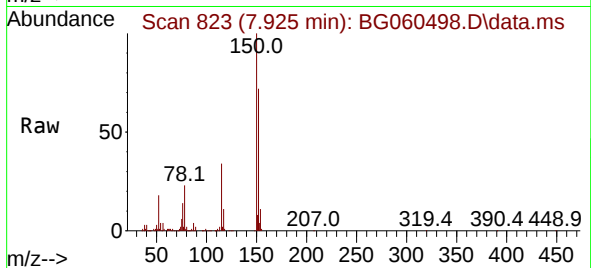
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.925 min Scan# 81  
Delta R.T. -0.005 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

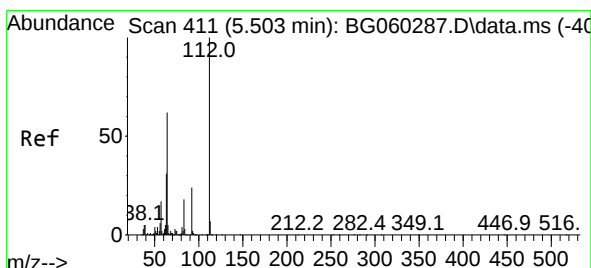
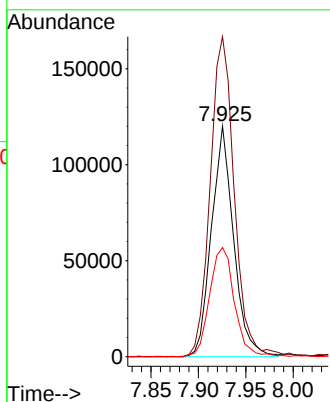
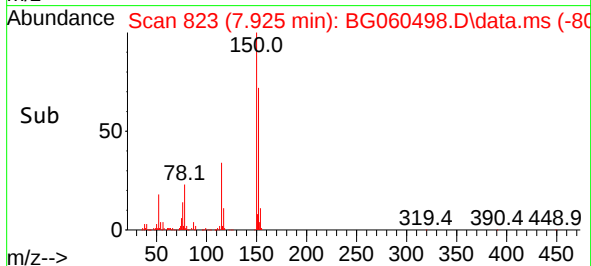
Instrument :  
BNA\_G  
ClientSampleId :  
MR-308-0-2



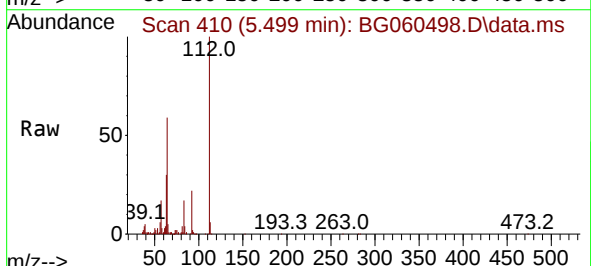
Tgt Ion:152 Resp: 195598  
Ion Ratio Lower Upper  
152 100  
150 138.7 114.5 171.7  
115 47.3 43.0 64.6

Manual Integrations  
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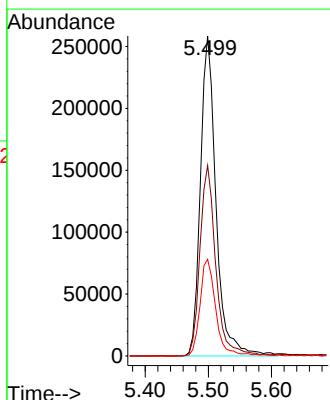
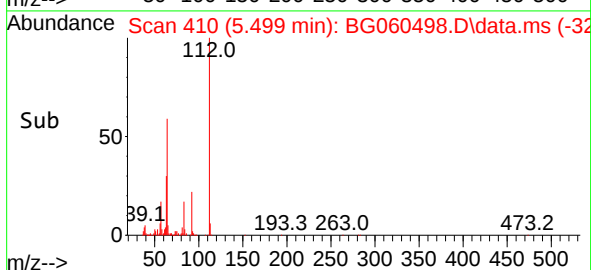
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024

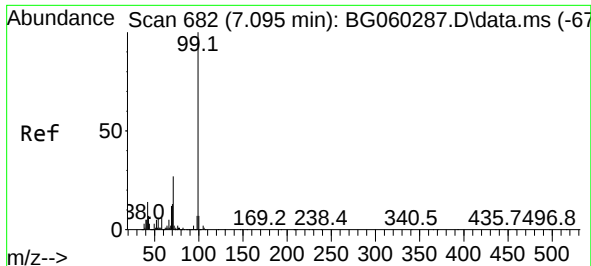


#5  
2-Fluorophenol  
Concen: 37.333 ng  
RT: 5.499 min Scan# 410  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45



Tgt Ion:112 Resp: 443965  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.8 74.6  
63 30.2 24.4 36.6





#7  
Phenol-d6  
Concen: 38.018 ng  
RT: 7.091 min Scan# 61  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

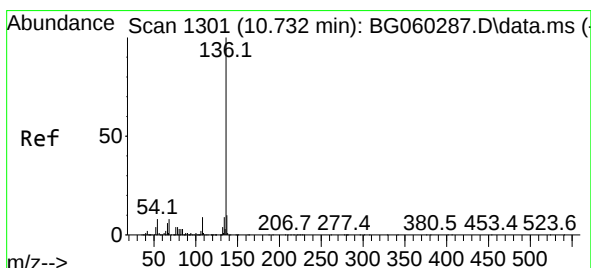
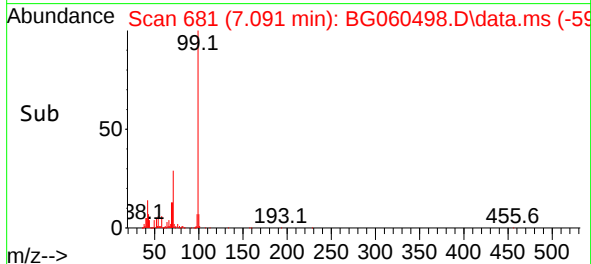
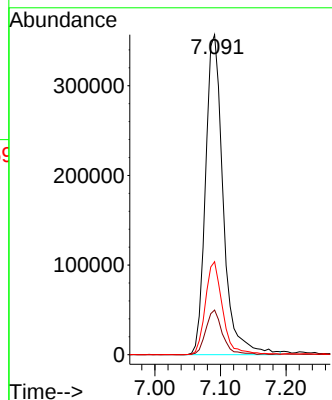
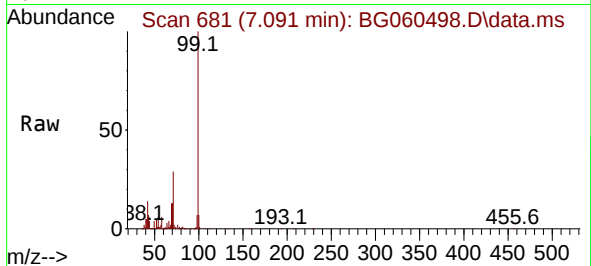
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Tgt Ion: 99 Resp: 66947  
Ion Ratio Lower Upper  
99 100  
42 13.9 10.9 16.3  
71 29.1 21.5 32.3

Manual Integrations

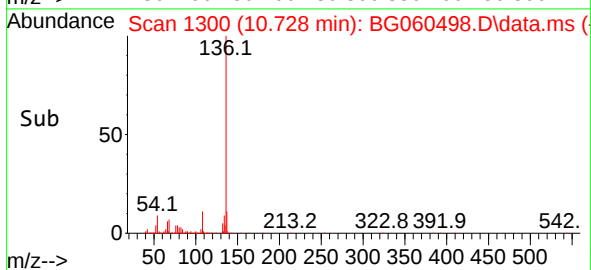
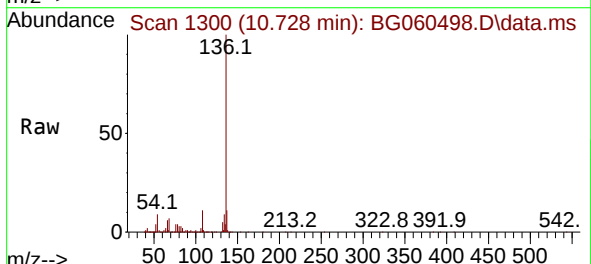
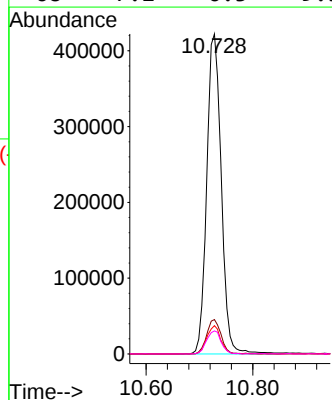
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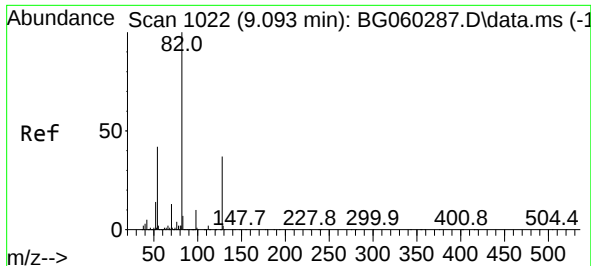
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.728 min Scan# 1300  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:136 Resp: 795924  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.2 12.4  
54 8.9 6.2 9.2  
68 7.2 6.3 9.5





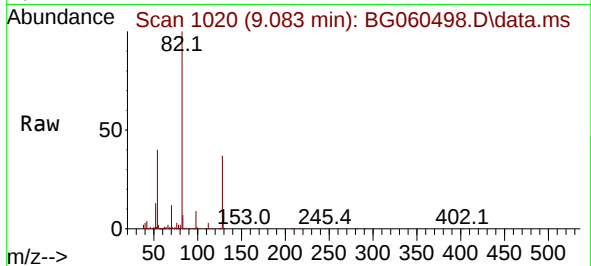
#23  
Nitrobenzene-d5  
Concen: 24.405 ng  
RT: 9.083 min Scan# 1020  
Delta R.T. -0.010 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

MR-308-0-2

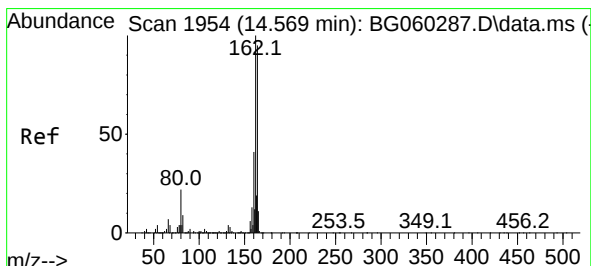
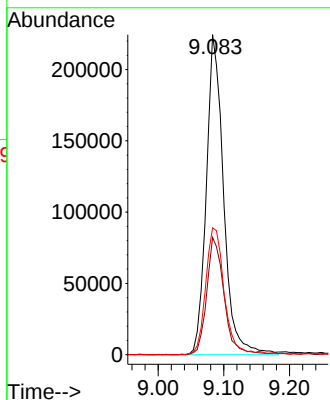
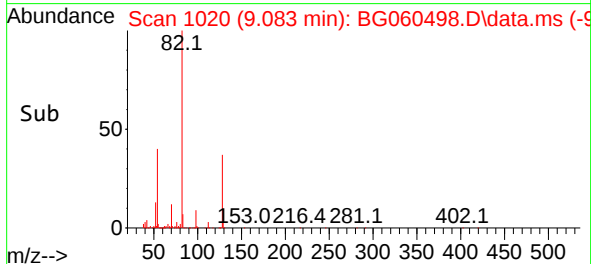


Tgt Ion: 82 Resp: 411370  
Ion Ratio Lower Upper  
82 100  
128 36.6 29.6 44.4  
54 39.7 33.6 50.4

Manual Integrations

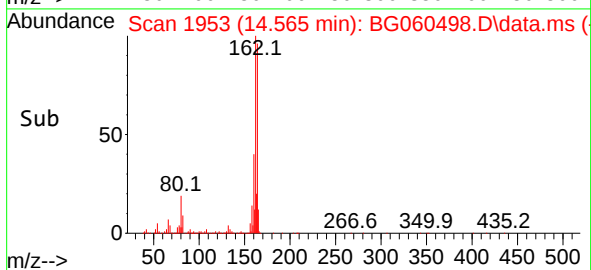
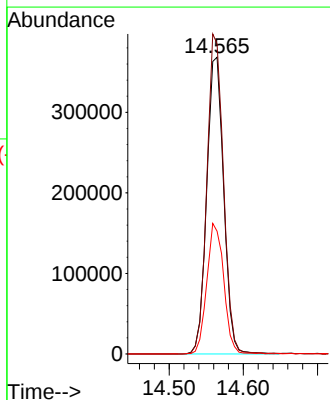
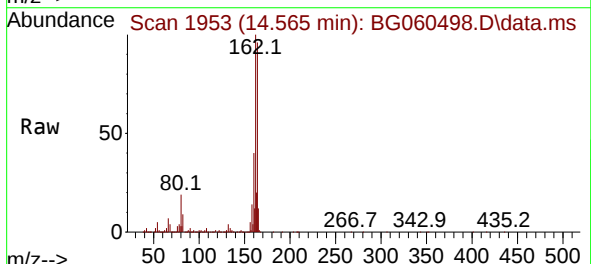
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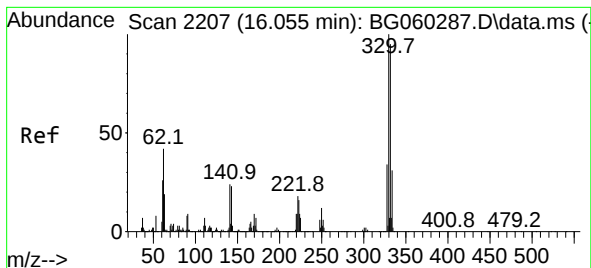
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.565 min Scan# 1953  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:164 Resp: 585705  
Ion Ratio Lower Upper  
164 100  
162 104.6 84.4 126.6  
160 41.3 34.6 52.0





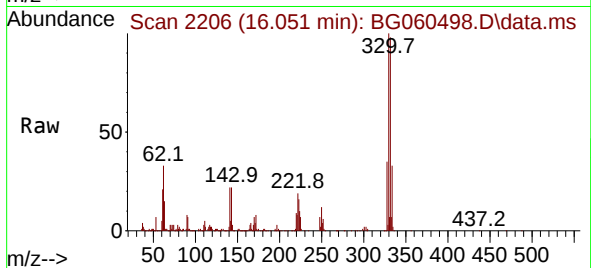
#42  
2,4,6-Tribromophenol  
Concen: 38.342 ng  
RT: 16.051 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

MR-308-0-2

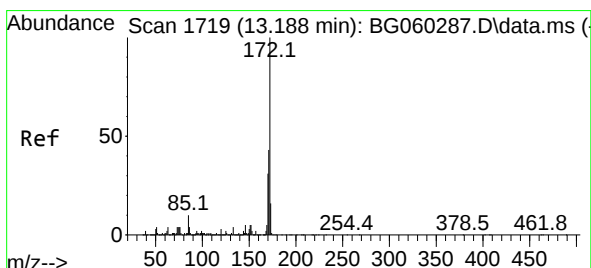
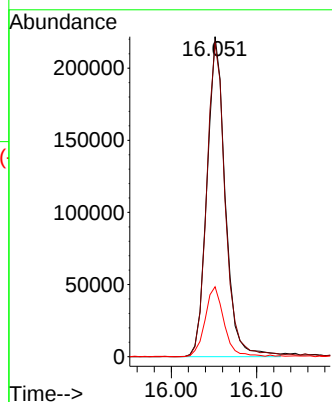
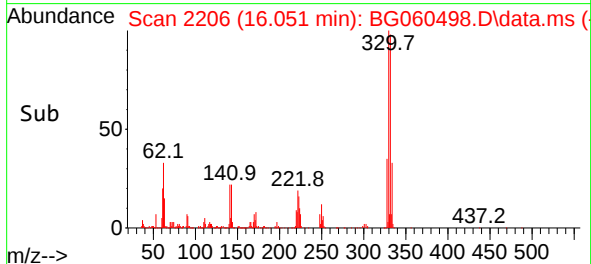


Tgt Ion:330 Resp: 33041  
Ion Ratio Lower Upper  
330 100  
332 99.8 76.7 115.1  
141 22.6 18.6 28.0

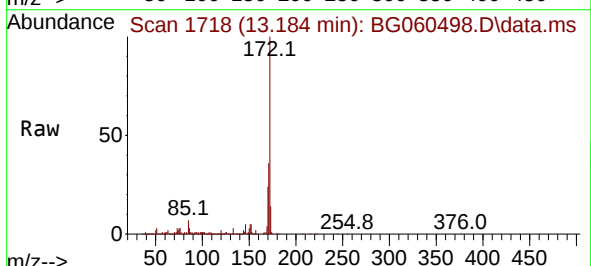
Manual Integrations

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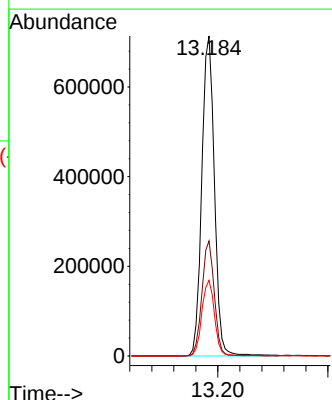
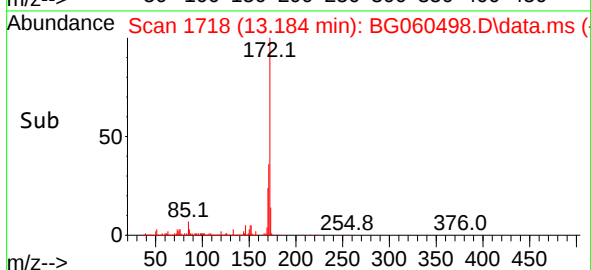
Reviewed By :Jagrut Upadhyay 01/31/2024  
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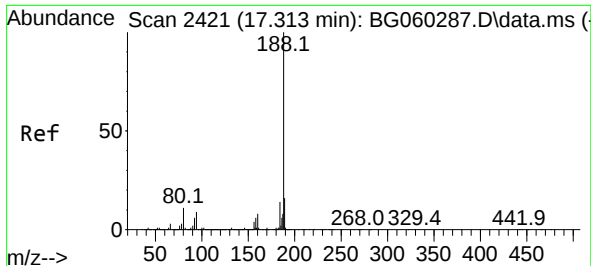


#45  
2-Fluorobiphenyl  
Concen: 27.063 ng  
RT: 13.184 min Scan# 1718  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45



Tgt Ion:172 Resp: 1140095  
Ion Ratio Lower Upper  
172 100  
171 36.0 34.6 51.8  
170 23.7 24.4 36.6#





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.309 min Scan# 2421  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

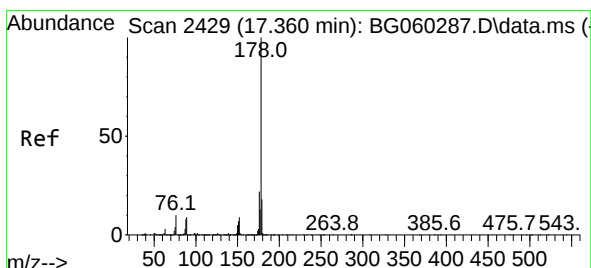
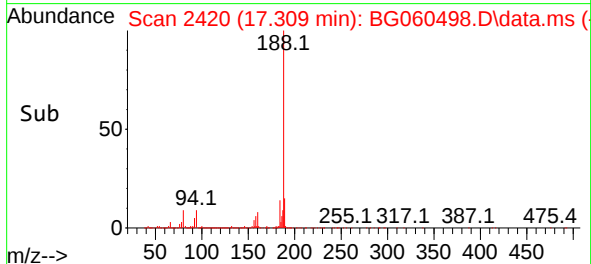
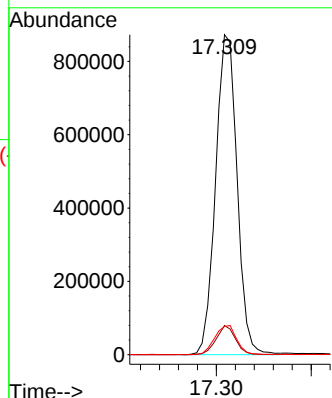
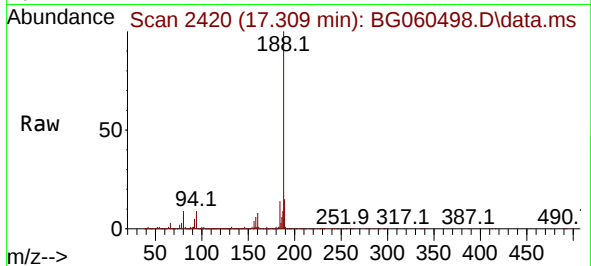
MR-308-0-2

Tgt Ion:188 Resp: 137452  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.1 10.7  
80 8.8 8.5 12.7

Manual Integrations

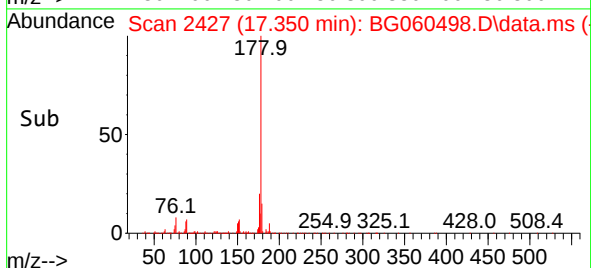
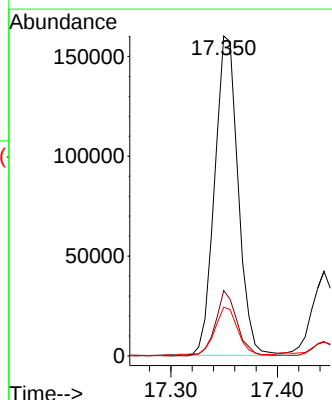
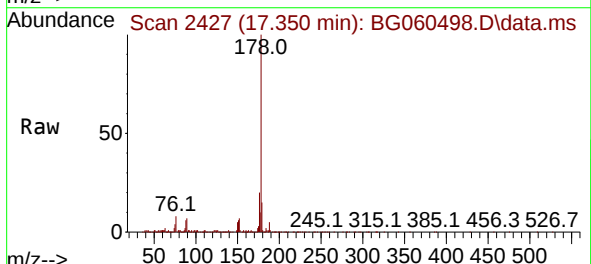
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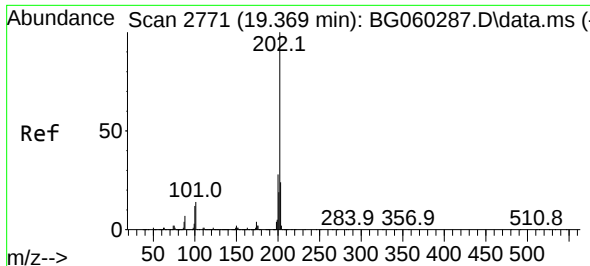
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#71  
Phenanthrene  
Concen: 3.671 ng  
RT: 17.350 min Scan# 2427  
Delta R.T. -0.010 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:178 Resp: 243883  
Ion Ratio Lower Upper  
178 100  
176 20.5 17.4 26.2  
179 15.2 14.7 22.1





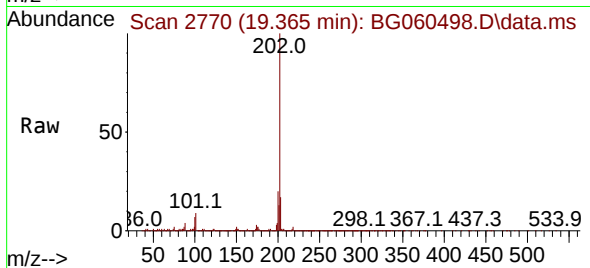
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Fluoranthene  
Concen: 7.299 ng  
RT: 19.365 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

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ClientSampleId :

MR-308-0-2

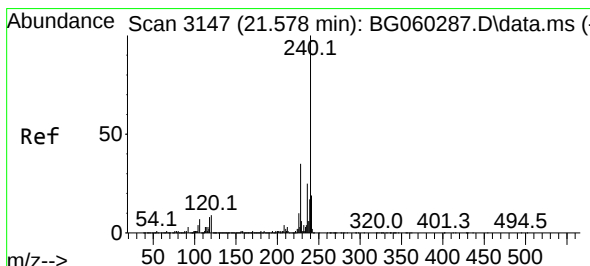
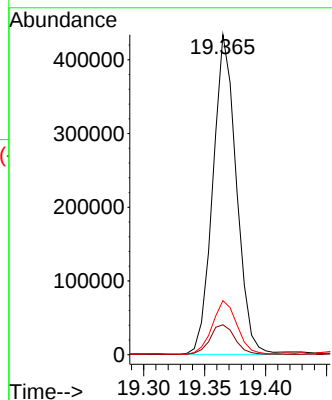
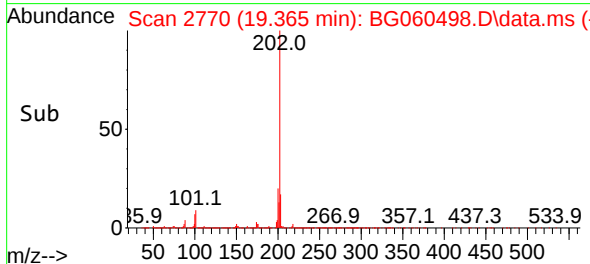


Tgt Ion:202 Resp: 582479  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 34.4  
203 16.9 4.0 44.0

Manual Integrations

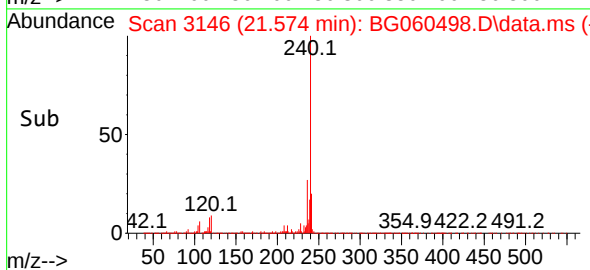
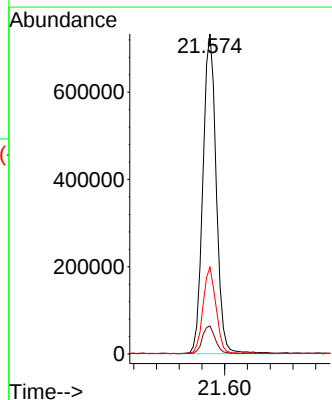
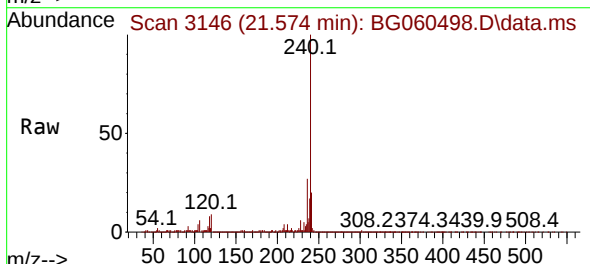
APPROVED

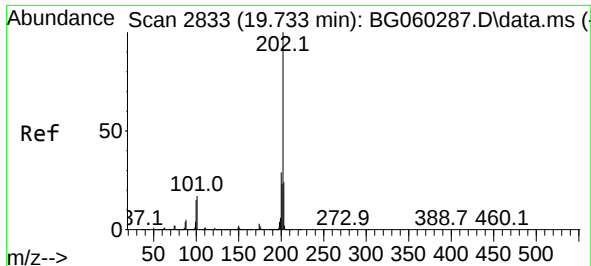
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.574 min Scan# 3146  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:240 Resp: 1188707  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.3 10.9  
236 27.1 20.3 30.5





#78  
Pyrene  
Concen: 7.520 ng  
RT: 19.729 min Scan# 2832  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

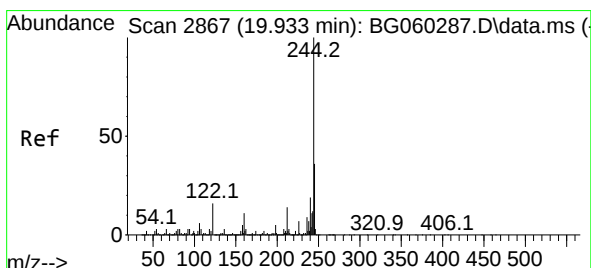
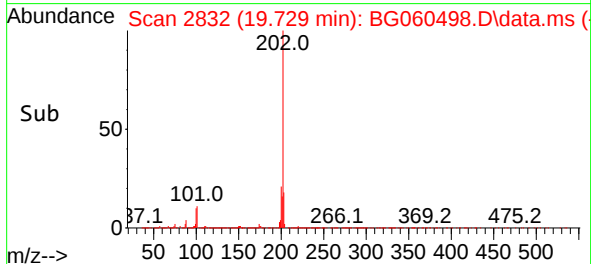
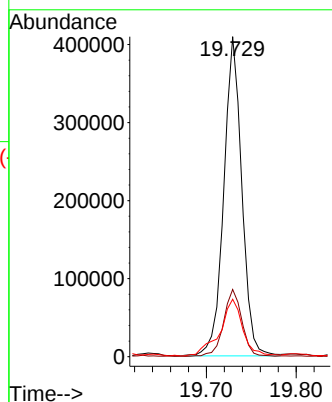
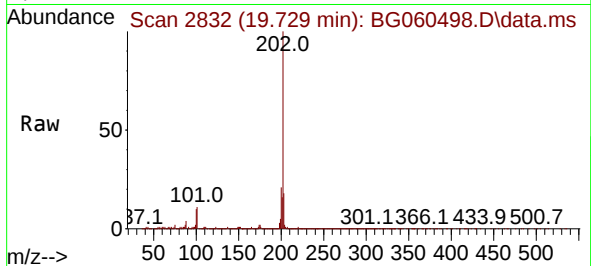
MR-308-0-2

Tgt Ion:202 Resp: 570810  
Ion Ratio Lower Upper  
202 100  
200 21.0 23.5 35.3#  
203 18.0 19.6 29.4#

Manual Integrations

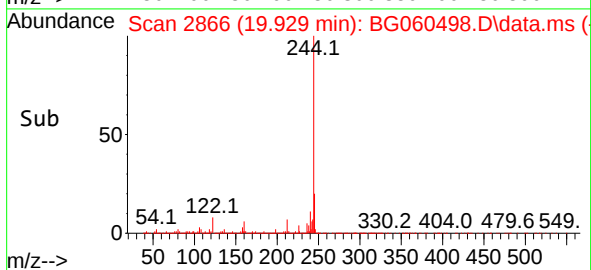
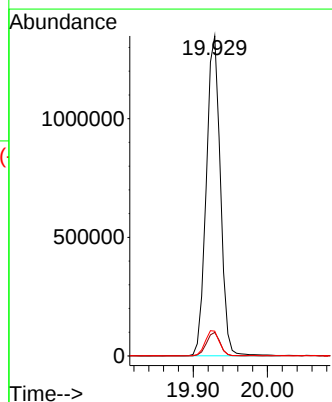
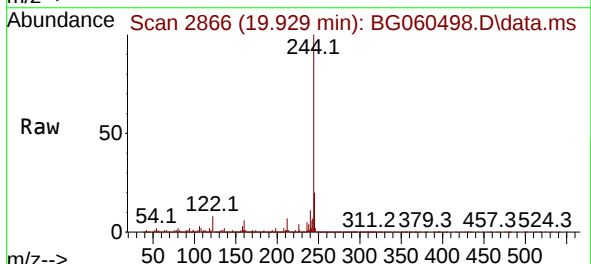
APPROVED

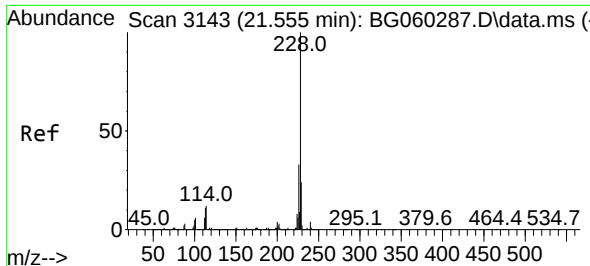
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#79  
Terphenyl-d14  
Concen: 28.264 ng  
RT: 19.929 min Scan# 2866  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:244 Resp: 1777752  
Ion Ratio Lower Upper  
244 100  
212 7.3 10.9 16.3#  
122 7.8 12.6 18.8#





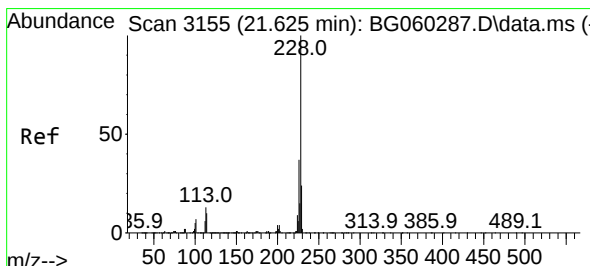
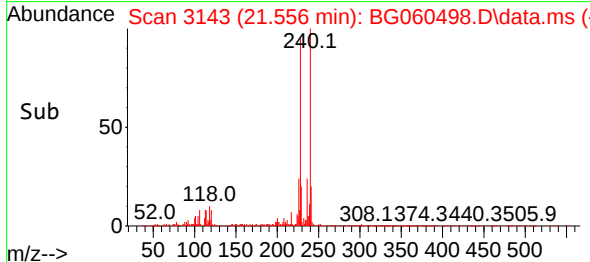
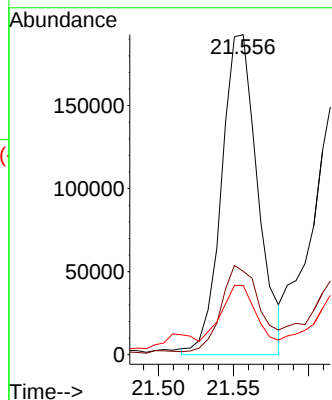
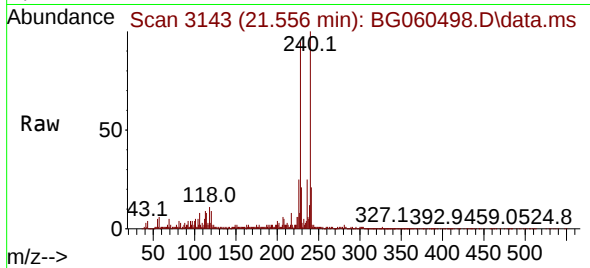
#81  
Benzo(a)anthracene  
Concen: 4.400 ng m  
RT: 21.556 min Scan# 3143  
Delta R.T. 0.002 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :  
BNA\_G  
ClientSampleId :  
MR-308-0-2

Tgt Ion:228 Resp: 32382  
Ion Ratio Lower Upper  
228 100  
226 26.0 26.2 39.2  
229 21.6 19.4 29.2

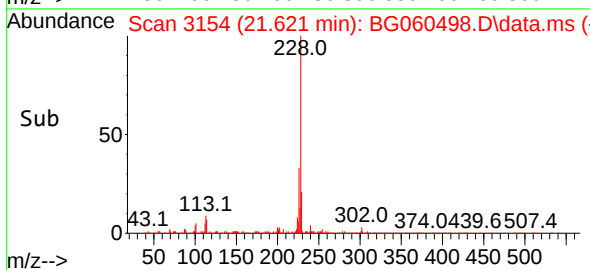
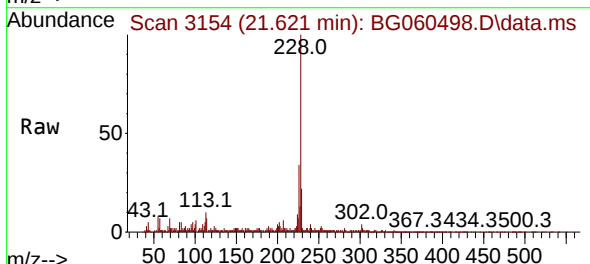
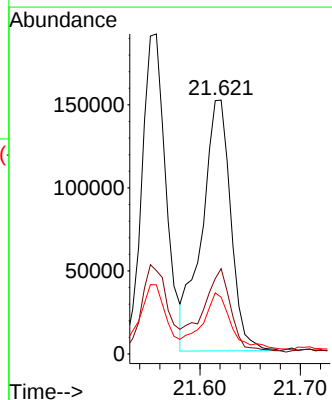
Manual Integrations  
APPROVED

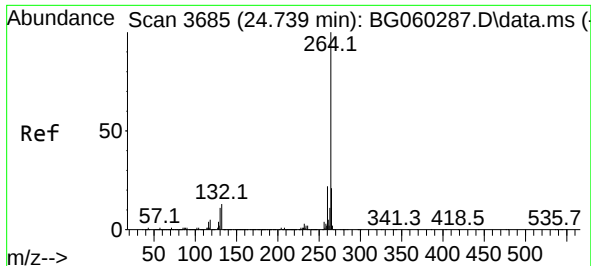
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#83  
Chrysene  
Concen: 4.205 ng  
RT: 21.621 min Scan# 3154  
Delta R.T. -0.004 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:228 Resp: 304329  
Ion Ratio Lower Upper  
228 100  
226 33.6 29.4 44.2  
229 22.3 19.2 28.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.741 min Scan# 30  
Delta R.T. 0.002 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

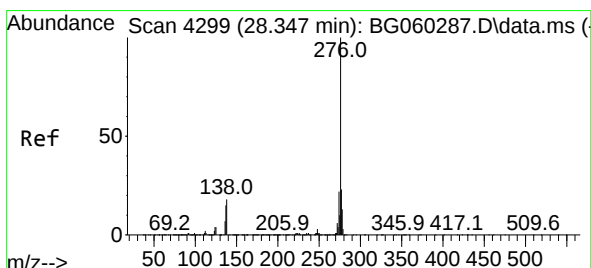
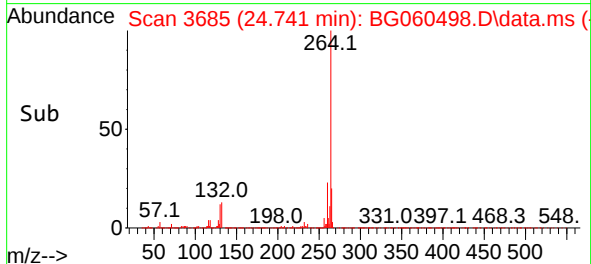
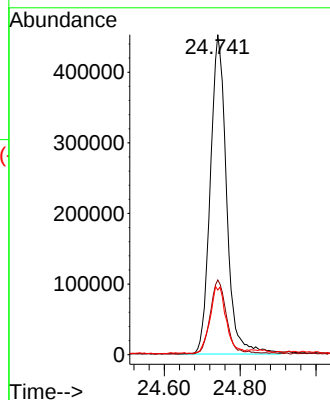
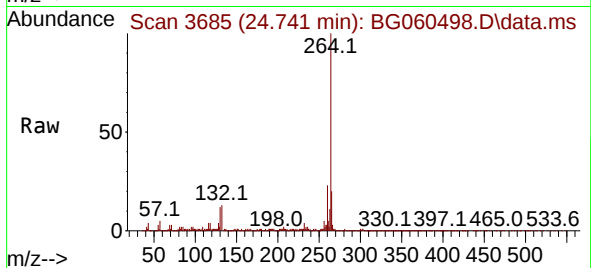
MR-308-0-2

Tgt Ion:264 Resp: 134183  
Ion Ratio Lower Upper  
264 100  
260 23.4 17.8 26.6  
265 20.2 16.8 25.2

Manual Integrations

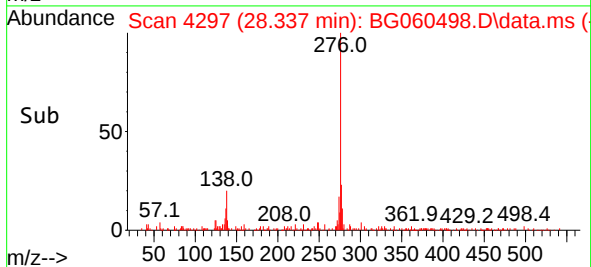
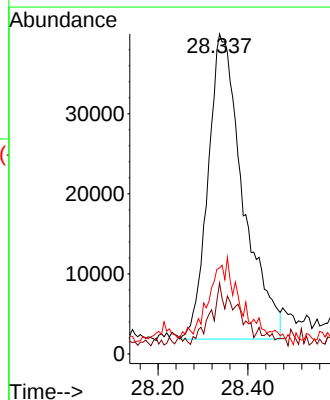
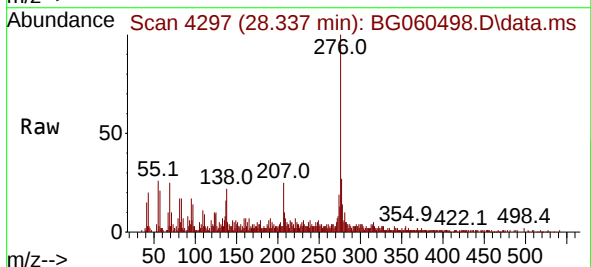
APPROVED

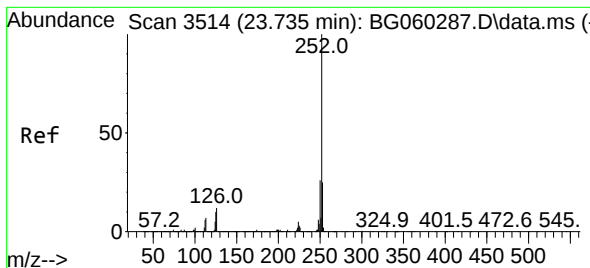
Reviewed By :Jagrut Upadhyay 01/31/2024  
Supervised By :Sohil Jodhani 01/31/2024



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.211 ng  
RT: 28.337 min Scan# 4297  
Delta R.T. -0.010 min  
Lab File: BG060498.D  
Acq: 31 Jan 2024 00:45

Tgt Ion:276 Resp: 206263  
Ion Ratio Lower Upper  
276 100  
138 7.5 12.5 18.7#  
277 17.8 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 5.263 ng

RT: 23.736 min Scan# 3514

Delta R.T. 0.002 min

Lab File: BG060498.D

Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

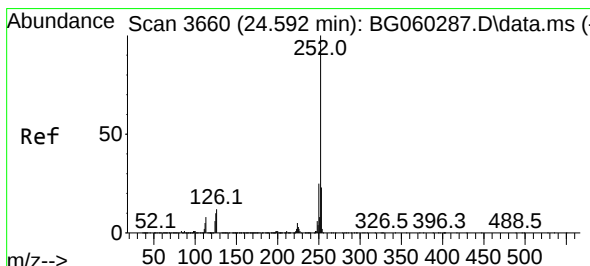
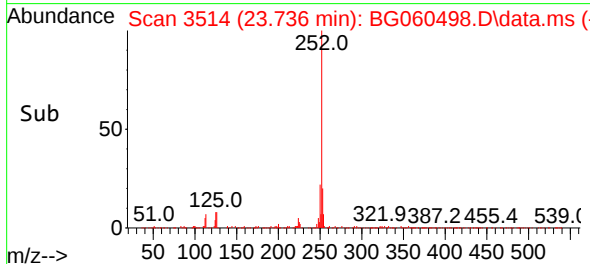
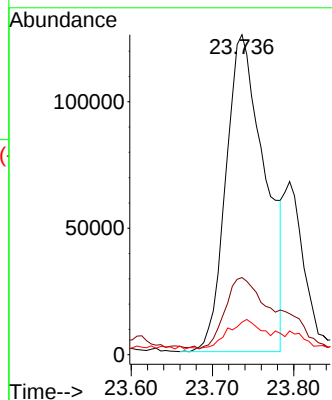
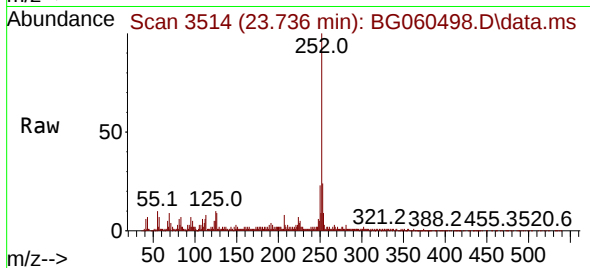
MR-308-0-2

Tgt Ion:252 Resp: 41718  
 Ion Ratio Lower Upper  
 252 100  
 253 24.1 20.0 30.0  
 125 10.2 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2024  
 Supervised By :Sohil Jodhani 01/31/2024



#90

Benzo(a)pyrene

Concen: 4.065 ng

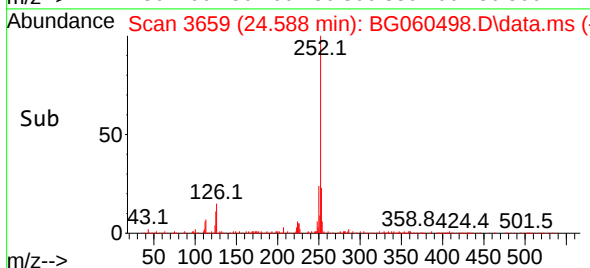
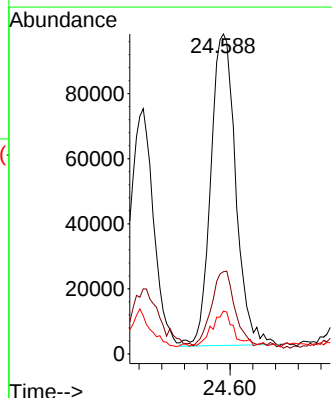
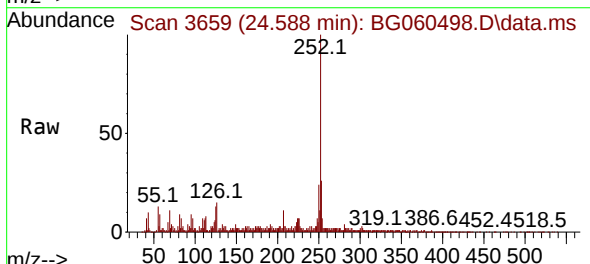
RT: 24.588 min Scan# 3659

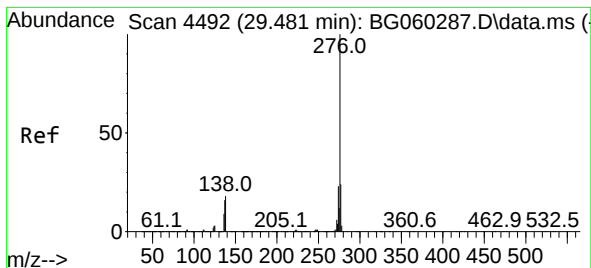
Delta R.T. -0.004 min

Lab File: BG060498.D

Acq: 31 Jan 2024 00:45

Tgt Ion:252 Resp: 291112  
 Ion Ratio Lower Upper  
 252 100  
 253 25.7 18.1 27.1  
 125 13.4 8.1 12.1#





#92

Benzo(g,h,i)perylene

Concen: 3.020 ng

RT: 29.465 min Scan# 44

Delta R.T. -0.016 min

Lab File: BG060498.D

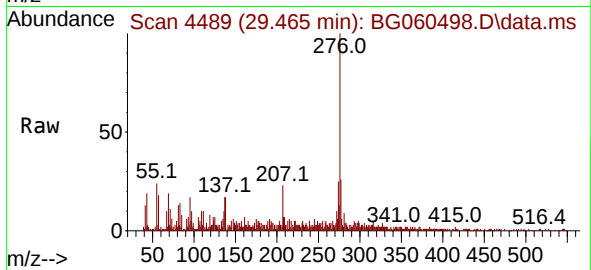
Acq: 31 Jan 2024 00:45

Instrument :

BNA\_G

ClientSampleId :

MR-308-0-2



Tgt Ion:276 Resp: 235830

Ion Ratio Lower Upper

276 100

277 25.8 19.4 29.0

138 16.5 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024

