

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP120822\  
 Data File : BP013000.D  
 Acq On : 09 Dec 2022 00:30  
 Operator : CG/JU  
 Sample : N5832-05DL 10X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBXK2DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022  
 Supervised By :mohammad ahmed 12/10/2022

Quant Time: Dec 09 04:06:50 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 08 00:35:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|--------|--------|----------|
| -----                         |        |      |           |        |        |          |
| Internal Standards            |        |      |           |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 703767    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.786 | 136  | 3127161   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 2083148   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.368 | 188  | 4687176   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.456 | 240  | 4221237   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.945 | 264  | 4324437   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |           |        |        |          |
| System Monitoring Compounds   |        |      |           |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 6099m     | 0.371  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.804  | 84   | 44832m    | 0.959  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.128  | 99   | 104034    | 1.815  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.298  | 67   | 70446     | 2.037  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.504  | 132  | 82612     | 1.831  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 86200     | 1.835  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.139  | 128  | 34389     | 1.497  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 35616     | 1.377  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.404 | 165  | 93997     | 1.871  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.928 | 131  | 62092     | 0.875  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.016 | 166  | 361585    | 2.259  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 351075    | 1.996  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d        | 0.000  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.604 | 176  | 345440    | 2.550  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d        | 0.000  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.468 | 188  | 542653    | 2.566  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.698 | 212  | 661121    | 2.729  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.780 | 264  | 531808    | 2.467  | ng/u1  | 0.00     |
|                               |        |      |           |        |        |          |
| Target Compounds              |        |      |           |        | Qvalue |          |
| 30) Naphthalene               | 10.839 | 128  | 348758    | 2.132  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.445 | 142  | 193535    | 1.725  | ng/u1  | 99       |
| 50) Acenaphthylene            | 14.333 | 152  | 241018    | 1.274  | ng/u1  | 99       |
| 52) Acenaphthene              | 14.680 | 153  | 240737    | 1.837  | ng/u1  | 99       |
| 61) Fluorene                  | 15.663 | 166  | 1072057   | 7.174  | ng/u1  | 100      |
| 72) Phenanthrene              | 17.410 | 178  | 3076946   | 12.603 | ng/u1  | 100      |
| 74) Anthracene                | 17.504 | 178  | 17707773m | 72.642 | ng/u1  |          |
| 80) Fluoranthene              | 19.374 | 202  | 5449007   | 19.814 | ng/u1  | 100      |
| 82) Pyrene                    | 19.727 | 202  | 9018349   | 31.791 | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.439 | 228  | 3429190   | 12.237 | ng/u1  | 97       |
| 87) Chrysene                  | 21.492 | 228  | 6073982   | 22.920 | ng/u1  | 99       |
| 90) Benzo(b)fluoranthene      | 23.186 | 252  | 9004943   | 32.655 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.227 | 252  | 2036477m  | 7.448  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.833 | 252  | 3646905   | 15.188 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.544 | 276  | 1686806   | 5.640  | ng/u1  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.550 | 278  | 418409    | 1.690  | ng/u1# | 85       |
| 96) Benzo(g,h,i)perylene      | 27.350 | 276  | 1078380   | 4.491  | ng/u1  | 99       |
| -----                         |        |      |           |        |        |          |

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

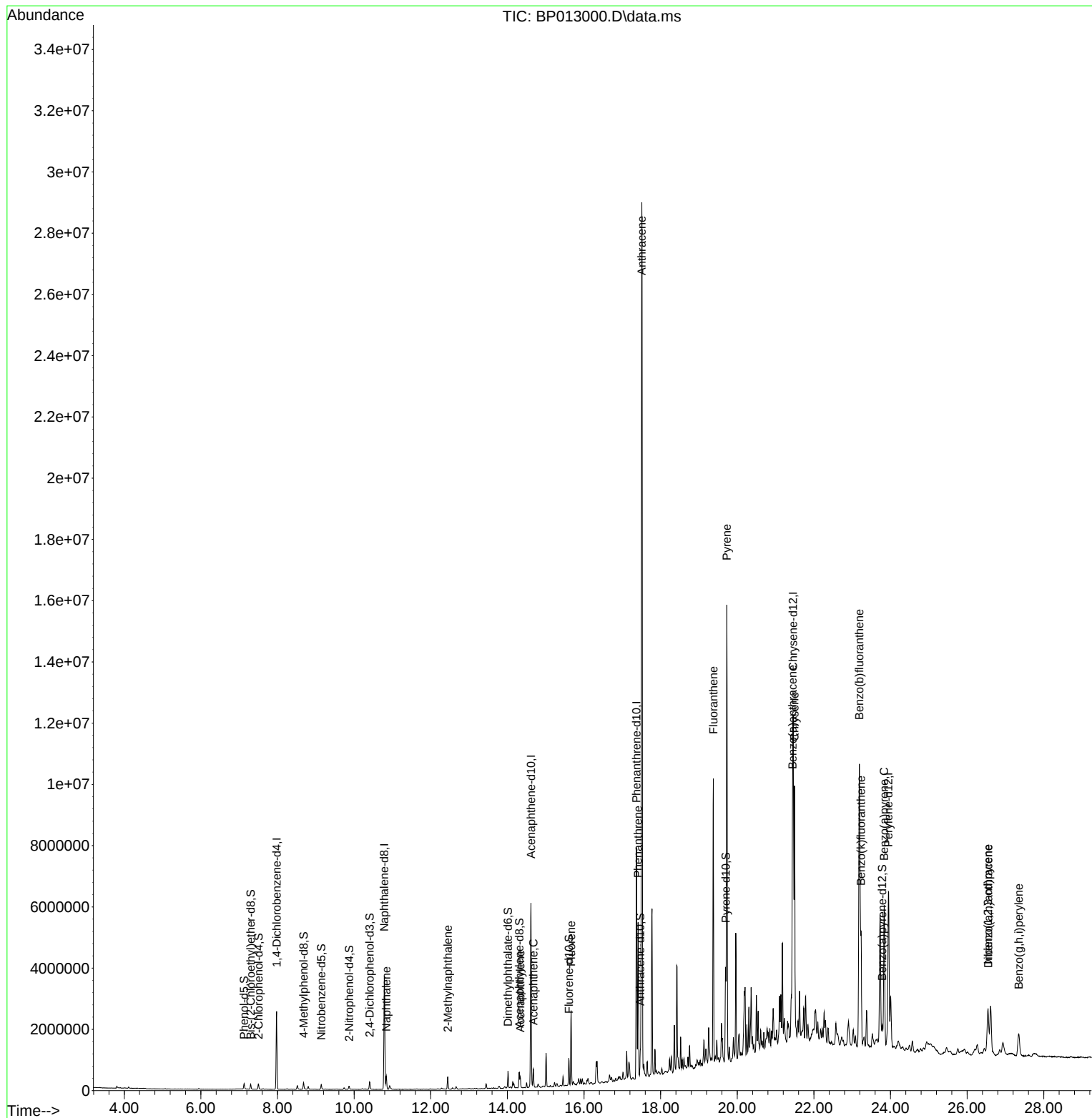
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Data File : BP013000.D  
Acq On : 09 Dec 2022 00:30  
Operator : CG/JU  
Sample : N5832-05DL 10X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

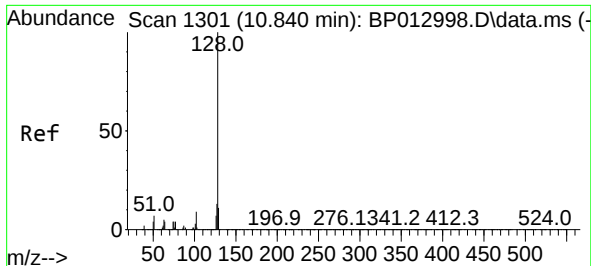
Instrument :  
BNA\_P  
ClientSampleId :  
DBXK2DL

Quant Time: Dec 09 04:06:50 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120722.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 08 00:35:07 2022  
Response via : Initial Calibration

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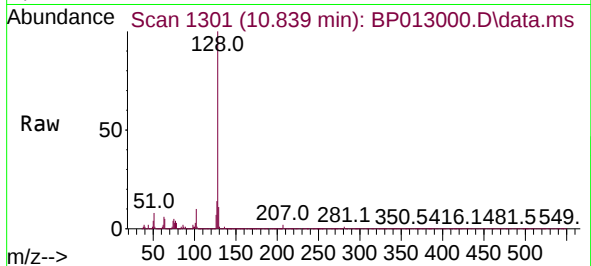
Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022





#30  
Naphthalene  
Concen: 2.132 ng/ul  
RT: 10.839 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

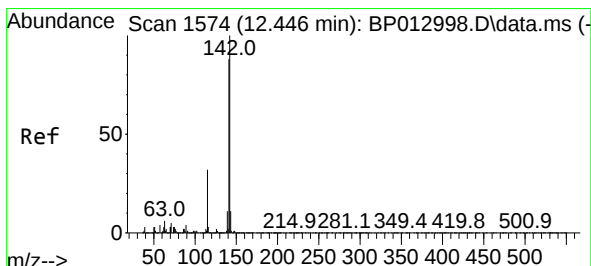
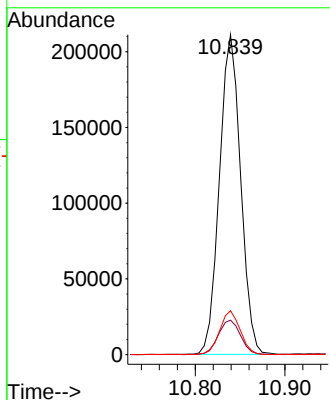
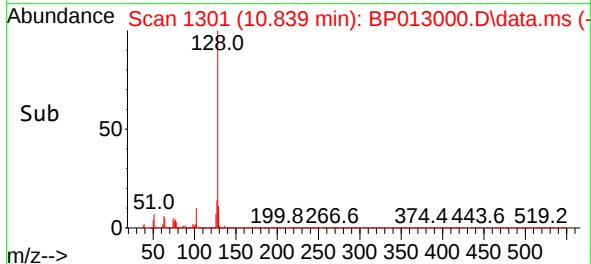
Instrument :  
BNA\_P  
ClientSampleId :  
DBXK2DL



Tgt Ion:128 Resp: 348758  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.7 10.4 15.6

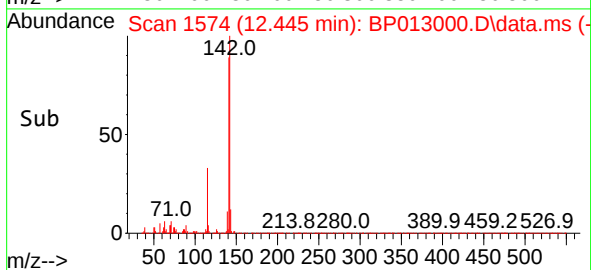
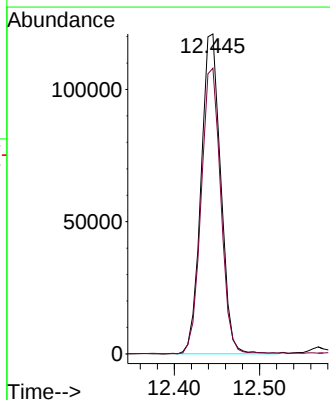
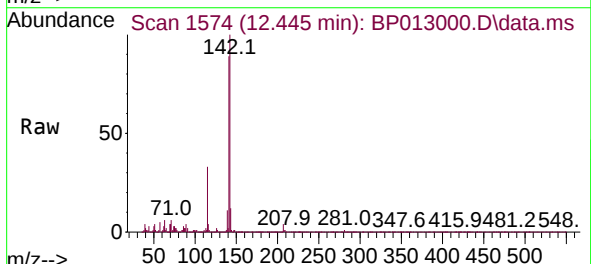
Manual Integrations  
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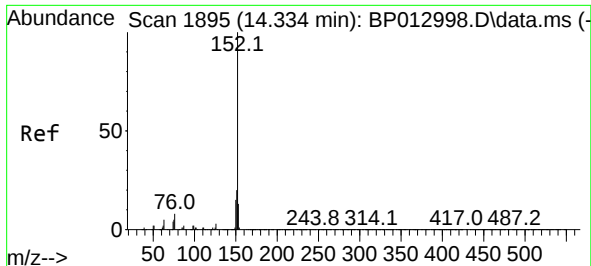
Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022



#36  
2-Methylnaphthalene  
Concen: 1.725 ng/ul  
RT: 12.445 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

Tgt Ion:142 Resp: 193535  
Ion Ratio Lower Upper  
142 100  
141 89.3 70.8 106.2





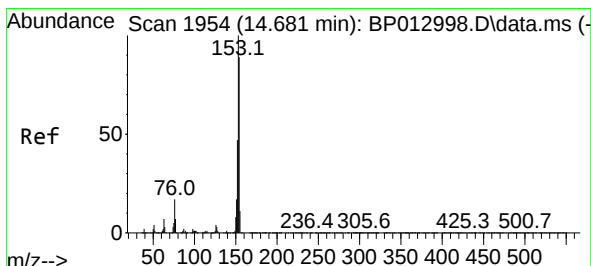
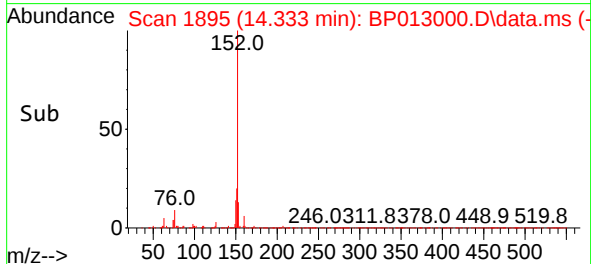
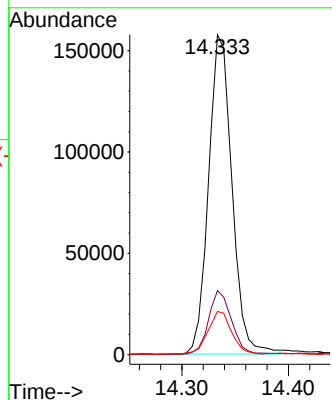
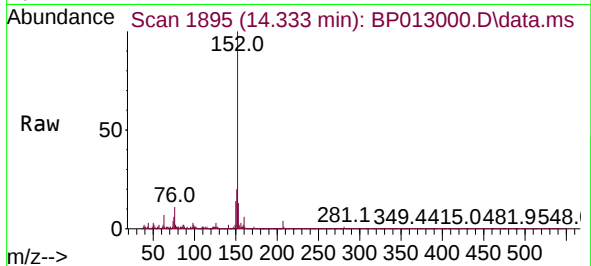
#50  
Acenaphthylene  
Concen: 1.274 ng/ul  
RT: 14.333 min Scan# 1895  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

Instrument :  
BNA\_P  
Client Sample Id :  
DBXK2DL

Tgt Ion:152 Resp: 241018  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.8 23.6  
153 13.5 10.6 16.0

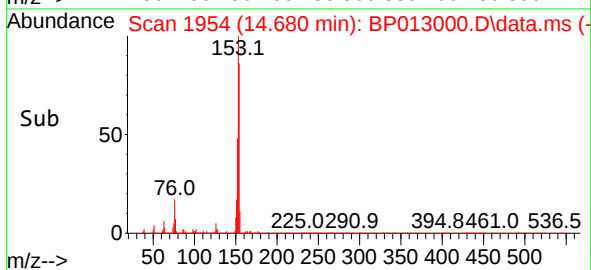
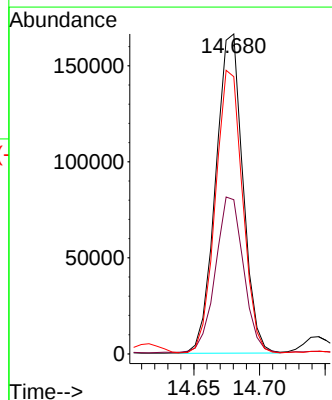
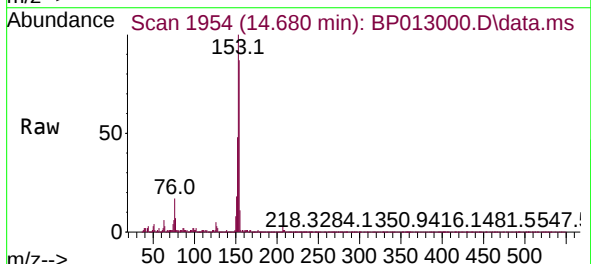
Manual Integrations  
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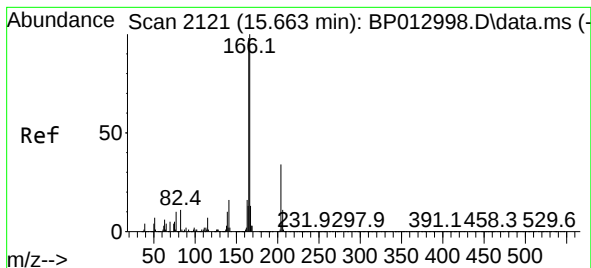
Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022



#52  
Acenaphthene  
Concen: 1.837 ng/ul  
RT: 14.680 min Scan# 1954  
Delta R.T. -0.000 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

Tgt Ion:153 Resp: 240737  
Ion Ratio Lower Upper  
153 100  
152 48.2 38.2 57.4  
154 86.6 70.8 106.2





#61

Fluorene

Concen: 7.174 ng/ul

RT: 15.663 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

Instrument :

BNA\_P

ClientSampleId :

DBXK2DL

Tgt Ion:166 Resp: 107205

Ion Ratio Lower Upper

166 100

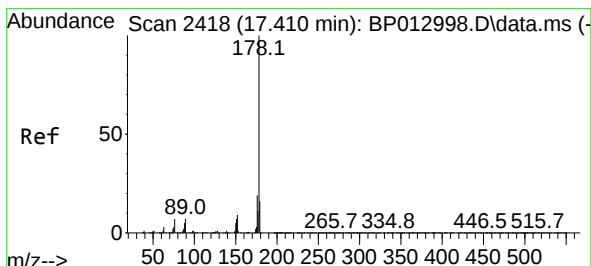
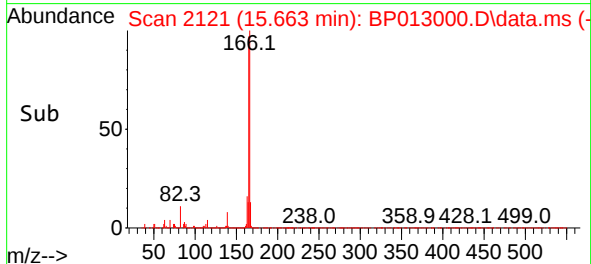
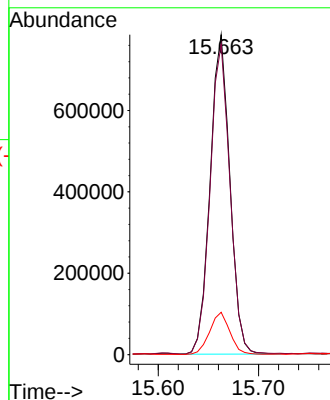
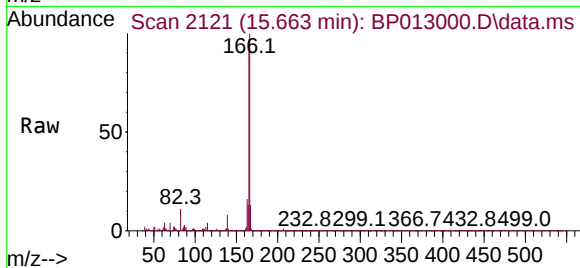
165 97.0 77.4 116.2

167 13.2 10.6 16.0

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 12/10/2022



#72

Phenanthrene

Concen: 12.603 ng/ul

RT: 17.410 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

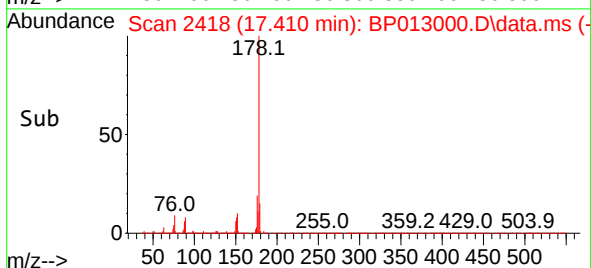
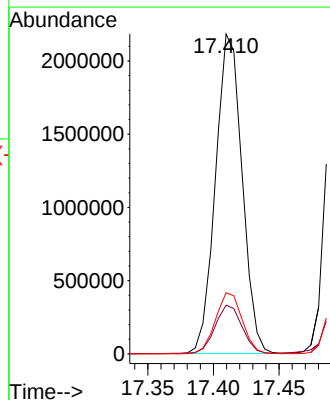
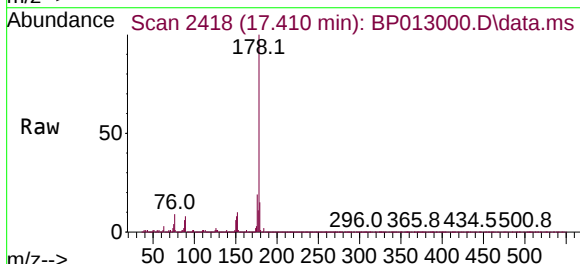
Tgt Ion:178 Resp: 3076946

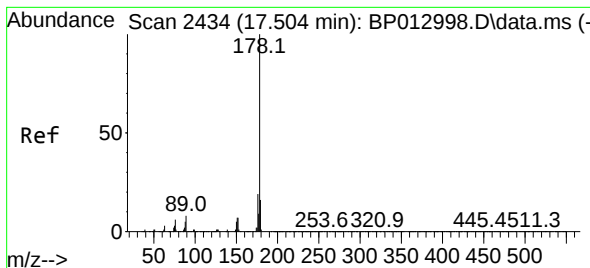
Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

176 19.1 15.4 23.0





#74

Anthracene

Concen: 72.642 ng/ul m

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

Instrument :

BNA\_P

ClientSampleId :

DBXK2DL

Tgt Ion:178 Resp:1770777

Ion Ratio Lower Upper

178 100

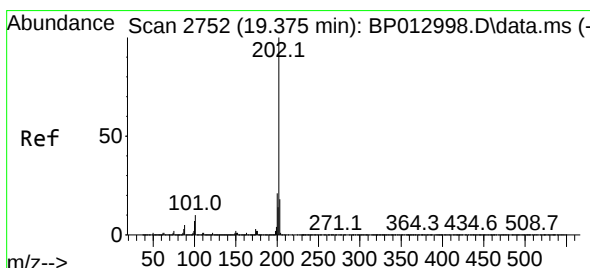
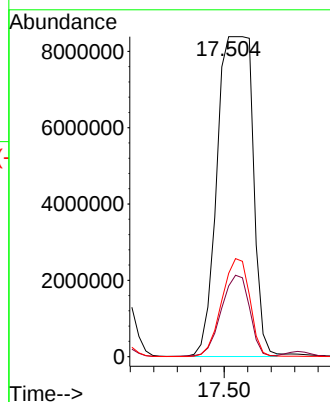
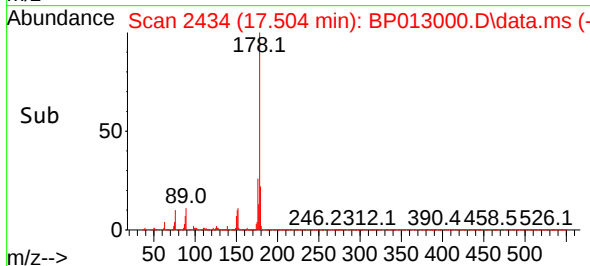
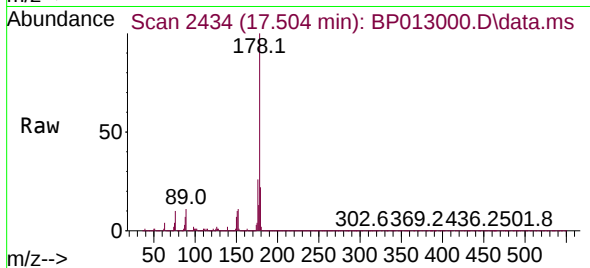
179 22.1 12.5 18.7

176 26.0 14.8 22.2

Manual Integrations

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#80

Fluoranthene

Concen: 19.814 ng/ul

RT: 19.374 min Scan# 2752

Delta R.T. -0.000 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

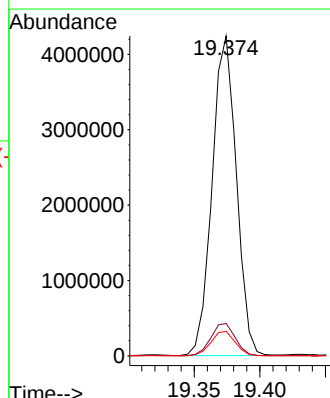
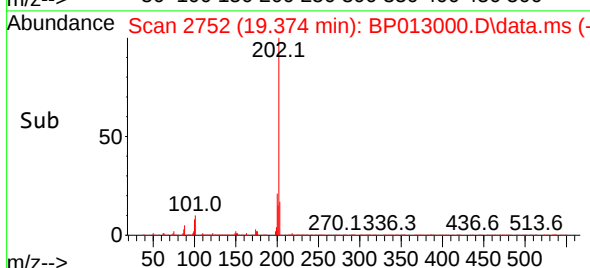
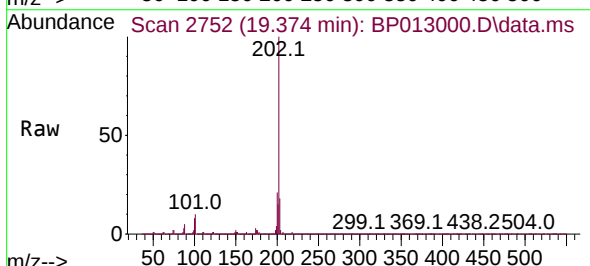
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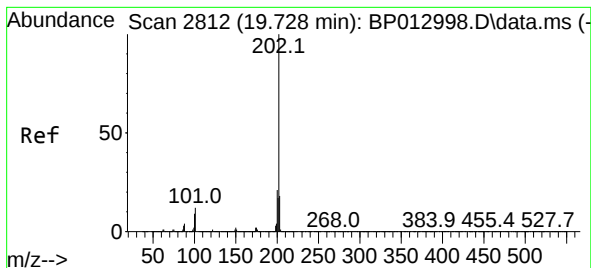
Ion Ratio Lower Upper

202 100

101 10.1 8.2 12.2

100 7.7 6.1 9.1





#82

Pyrene

Concen: 31.791 ng/ul

RT: 19.727 min Scan# 2812

Delta R.T. -0.000 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

Instrument :

BNA\_P

ClientSampleId :

DBXK2DL

Tgt Ion:202 Resp: 9018349

Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.2

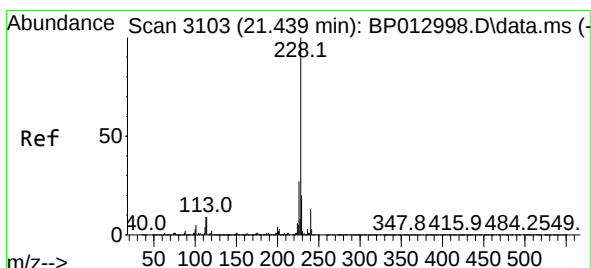
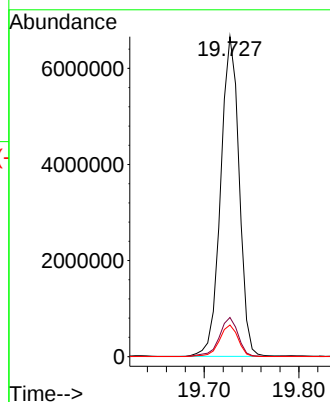
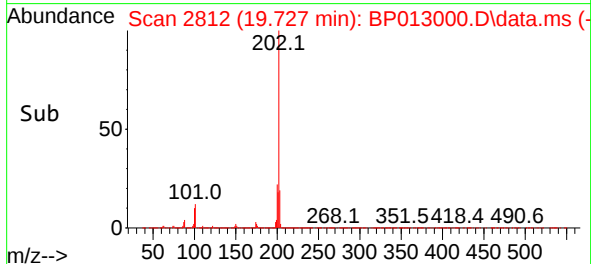
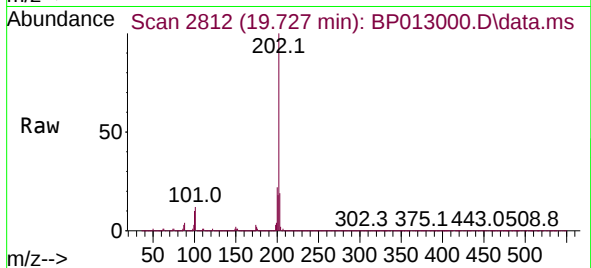
100 9.9 7.8 11.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/09/2022

Supervised By :mohammad ahmed 12/10/2022



#85

Benzo(a)anthracene

Concen: 12.237 ng/ul

RT: 21.439 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

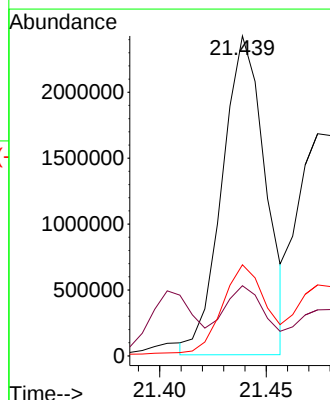
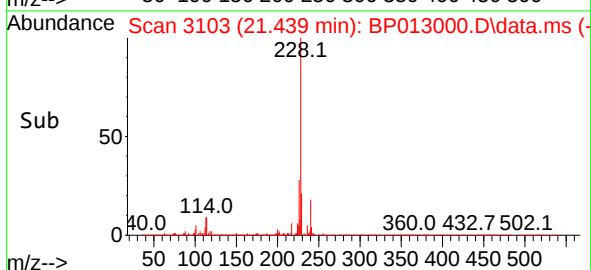
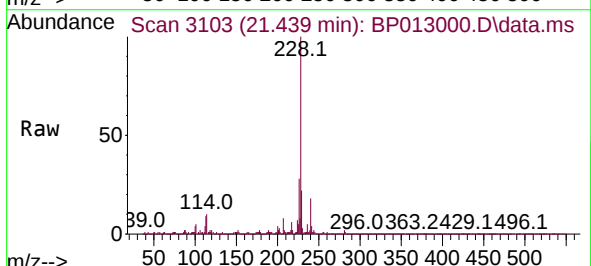
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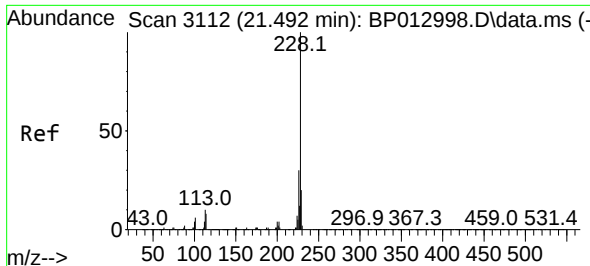
Ion Ratio Lower Upper

228 100

229 21.9 16.1 24.1

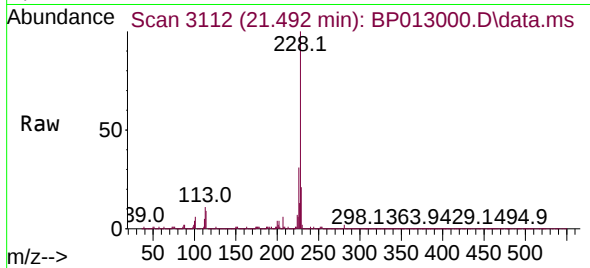
226 28.5 22.0 33.0





#87  
Chrysene  
Concen: 22.920 ng/ul  
RT: 21.492 min Scan# 3112  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

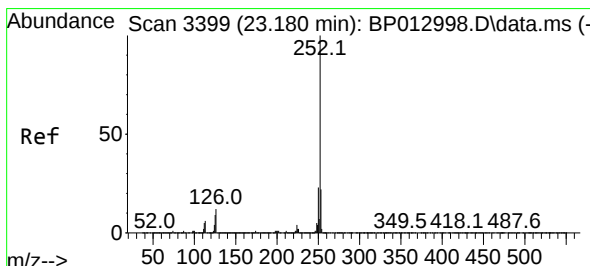
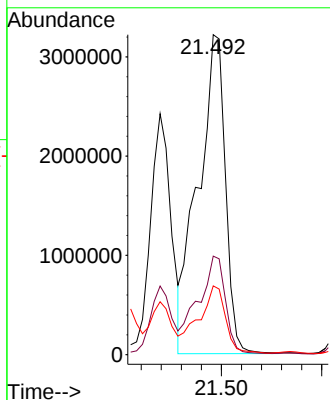
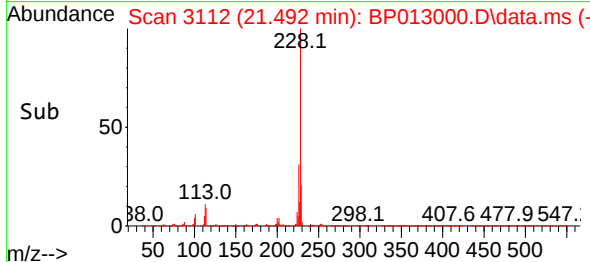
Instrument :  
BNA\_P  
ClientSampleId :  
DBXK2DL



Tgt Ion:228 Resp: 6073982  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.5 36.7  
229 21.5 16.0 24.0

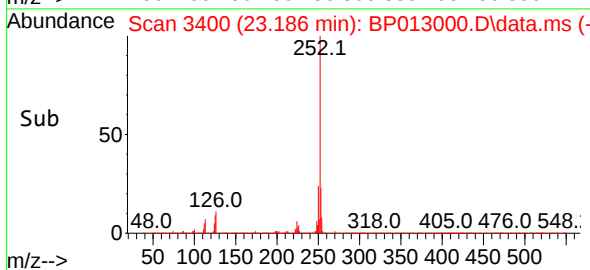
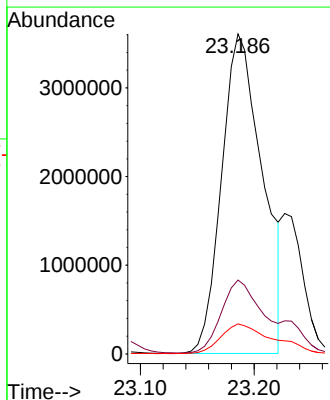
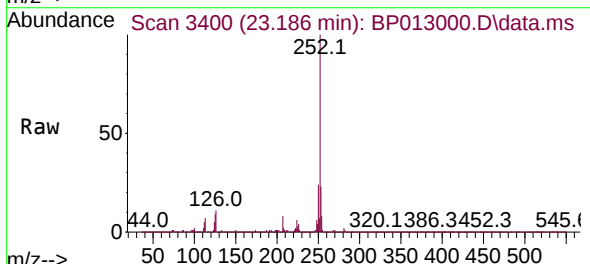
Manual Integrations  
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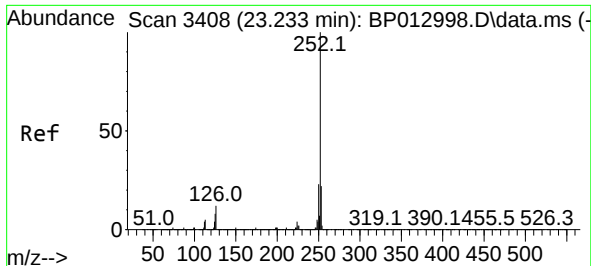
Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022



#90  
Benzo(b)fluoranthene  
Concen: 32.655 ng/ul  
RT: 23.186 min Scan# 3400  
Delta R.T. -0.000 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

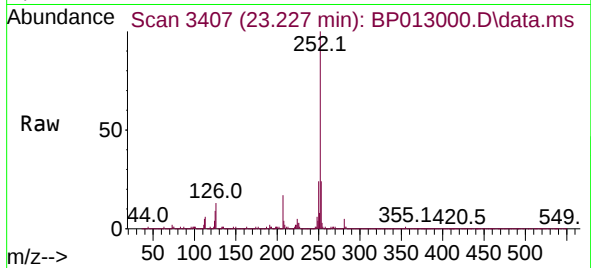
Tgt Ion:252 Resp: 9004943  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.7 26.5  
125 9.4 6.8 10.2





#91  
Benzo(k)fluoranthene  
Concen: 7.448 ng/ul m  
RT: 23.227 min Scan# 3408  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

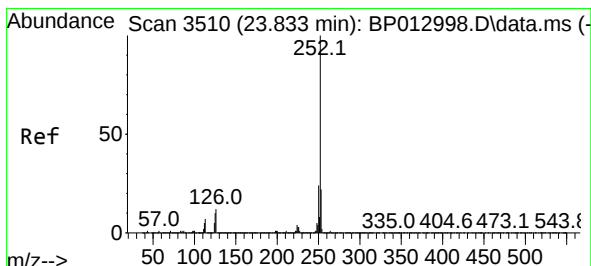
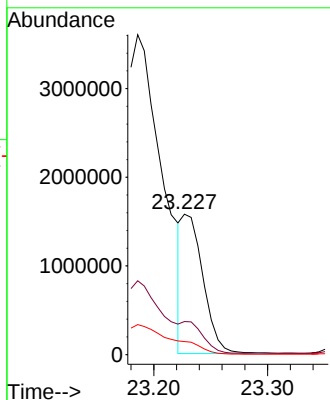
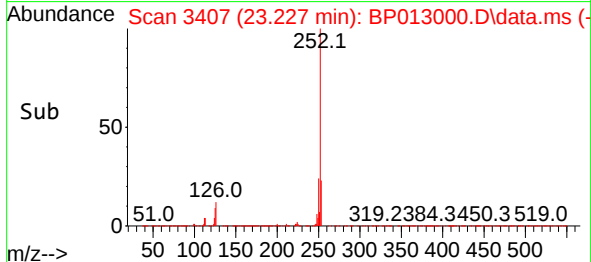
Instrument :  
BNA\_P  
ClientSampleId :  
DBXK2DL



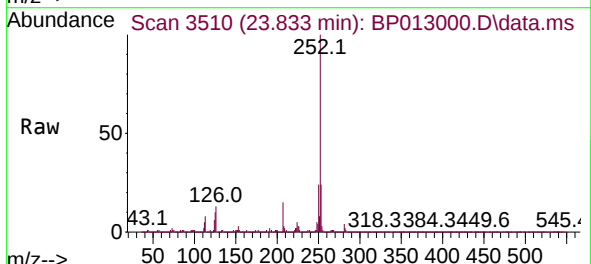
Tgt Ion:252 Resp: 203647  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.7 26.5  
125 9.3 6.8 10.2

Manual Integrations  
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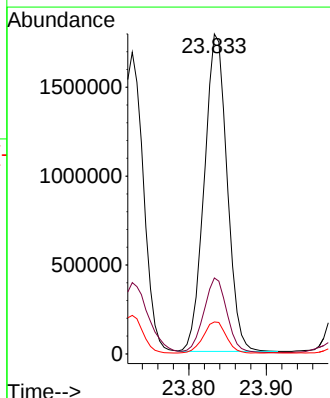
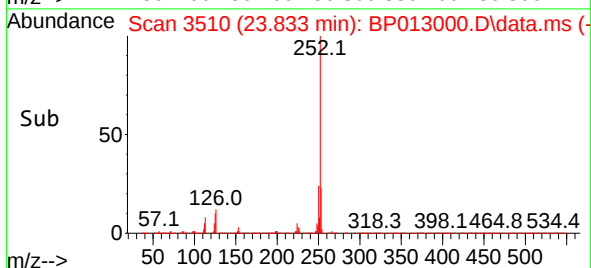
Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022

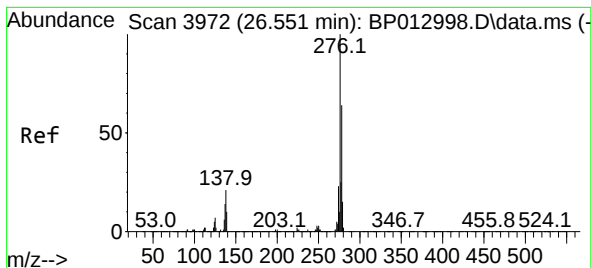


#93  
Benzo(a)pyrene  
Concen: 15.188 ng/ul  
RT: 23.833 min Scan# 3510  
Delta R.T. -0.006 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30



Tgt Ion:252 Resp: 3646905  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.5 26.3  
125 10.0 7.5 11.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.640 ng/ul

RT: 26.544 min Scan# 3971

Delta R.T. -0.012 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

Instrument :

BNA\_P

ClientSampleId :

DBXK2DL

Tgt Ion:276 Resp: 1686800

Ion Ratio Lower Upper

276 100

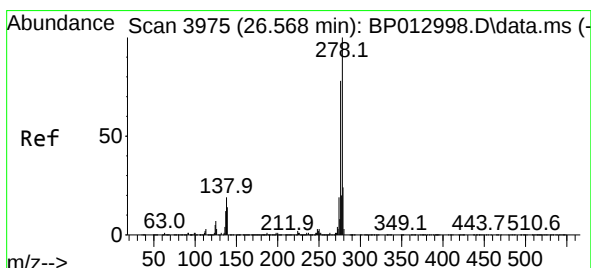
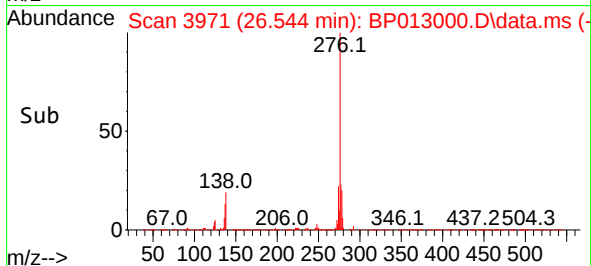
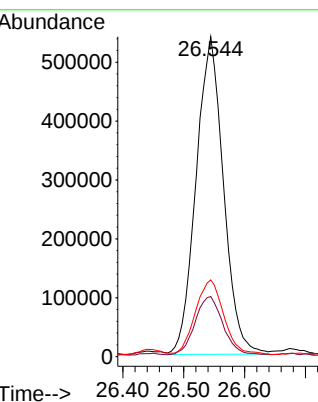
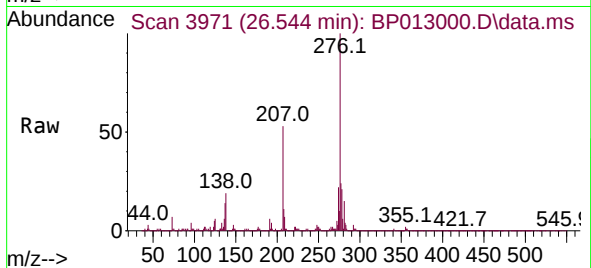
138 18.8 17.1 25.7

277 24.0 20.0 30.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022



#95

Dibenzo(a,h)anthracene

Concen: 1.690 ng/ul

RT: 26.550 min Scan# 3972

Delta R.T. -0.018 min

Lab File: BP013000.D

Acq: 09 Dec 2022 00:30

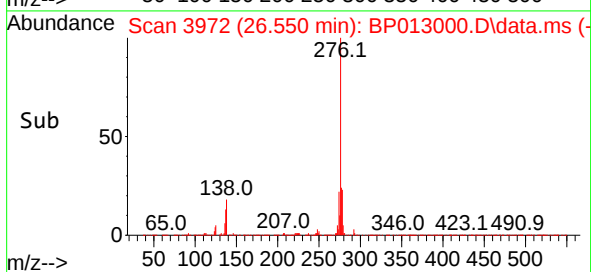
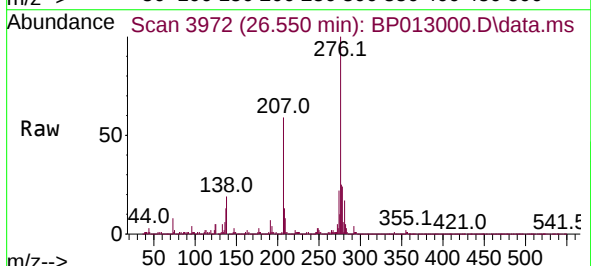
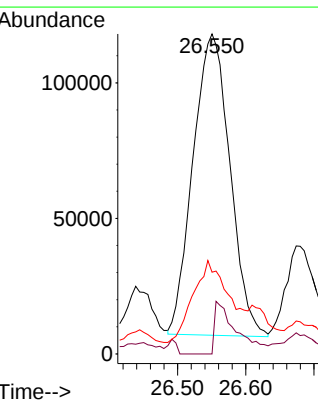
Tgt Ion:278 Resp: 418409

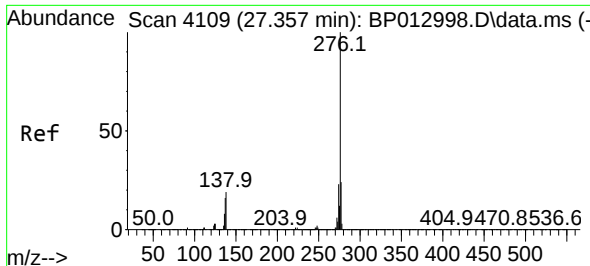
Ion Ratio Lower Upper

278 100

139 0.0 11.1 16.7#

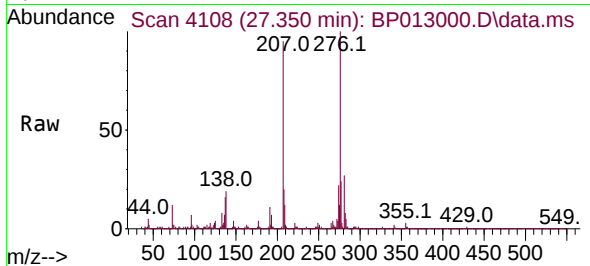
279 25.5 19.0 28.6





#96  
Benzo(g,h,i)perylene  
Concen: 4.491 ng/ul  
RT: 27.350 min Scan# 4108  
Delta R.T. -0.000 min  
Lab File: BP013000.D  
Acq: 09 Dec 2022 00:30

Instrument :  
BNA\_P  
ClientSampleId :  
DBXK2DL



Tgt Ion:276 Resp: 1078380  
Ion Ratio Lower Upper  
276 100  
138 18.8 15.4 23.2  
277 23.9 19.1 28.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2022  
Supervised By :mohammad ahmed 12/10/2022

