

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072524\  
 Data File : BP021154.D  
 Acq On : 25 Jul 2024 19:33  
 Operator : MA/JU  
 Sample : P3263-04DL 30X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4BA6DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024  
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 23:31:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 25 00:15:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.652  | 152  | 199956   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.428 | 136  | 793644   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.293 | 164  | 492042   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 917240   | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.557 | 240  | 794578   | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.863 | 264  | 1117061  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000   | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000   | ng/u1  |          |
| 7) Phenol-d5                  | 6.899  | 99   | 8990m    | 0.551   | ng/u1  | 0.03     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.016  | 67   | 6351     | 0.643   | ng/u1  | 0.02     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 8791     | 0.655   | ng/u1  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.405  | 113  | 8644m    | 0.638   | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.840  | 128  | 4209m    | 0.683   | ng/u1  | 0.04     |
| 24) 2-Nitrophenol-d4          | 9.540  | 143  | 4703m    | 0.667   | ng/u1  | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.110 | 165  | 7961     | 0.624   | ng/u1  | 0.04     |
| 31) 4-Chloroaniline-d4        | 10.605 | 131  | 7509m    | 0.444   | ng/u1  | 0.04     |
| 46) Dimethylphthalate-d6      | 13.698 | 166  | 31001    | 0.867   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.987 | 160  | 33421    | 0.832   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000   | ng/u1  |          |
| 60) Fluorene-d10              | 15.310 | 176  | 26721    | 0.911   | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000   | ng/u1  |          |
| 73) Anthracene-d10            | 17.210 | 188  | 37804    | 0.928   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.592 | 212  | 35174    | 0.716   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.639 | 264  | 37138    | 0.674   | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.475 | 128  | 341791   | 8.187   | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.087 | 142  | 232897   | 8.127   | ng/u1  | 99       |
| 37) 1-Methylnaphthalene       | 12.310 | 142  | 157399   | 5.341   | ng/u1  | 98       |
| 43) 1,1'-Biphenyl             | 13.110 | 154  | 65090    | 1.810   | ng/u1  | 97       |
| 52) Acenaphthene              | 14.357 | 153  | 913275   | 30.259  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.698 | 168  | 739712   | 17.897  | ng/u1  | 97       |
| 61) Fluorene                  | 15.363 | 166  | 1026866  | 30.446  | ng/u1  | 100      |
| 72) Phenanthrene              | 17.157 | 178  | 6328625  | 133.002 | ng/u1  | 99       |
| 74) Anthracene                | 17.245 | 178  | 2061264  | 42.493  | ng/u1  | 100      |
| 77) Carbazole                 | 17.545 | 167  | 708416   | 17.865  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.245 | 202  | 5144867  | 86.724  | ng/u1  | 100      |
| 82) Pyrene                    | 19.622 | 202  | 3404766  | 56.400  | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 2521547  | 45.302  | ng/u1  | 98       |
| 87) Chrysene                  | 21.604 | 228  | 2039765m | 39.438  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.833 | 252  | 2579688  | 38.055  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.886 | 252  | 1100942m | 16.274  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.710 | 252  | 1262223  | 19.704  | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.627 | 276  | 931412   | 11.284  | ng/u1  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.662 | 278  | 372061m  | 5.443   | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 29.804 | 276  | 134153m  | 1.996   | ng/u1  |          |
| -----                         |        |      |          |         |        |          |

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

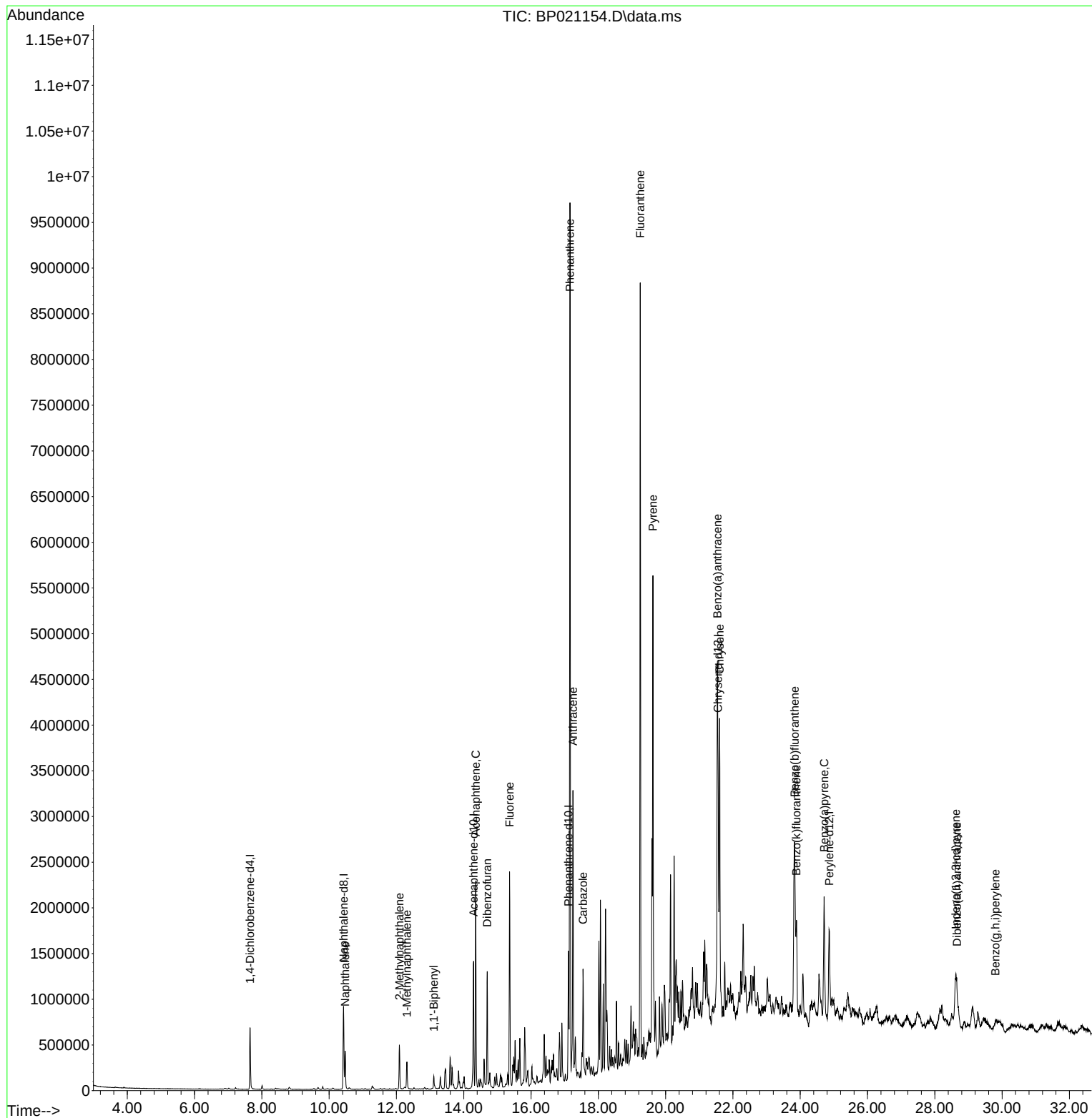
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072524\  
Data File : BP021154.D  
Acq On : 25 Jul 2024 19:33  
Operator : MA/JU  
Sample : P3263-04DL 30X  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

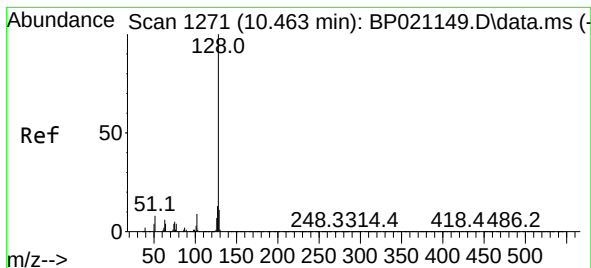
Instrument :  
BNA\_P  
ClientSampleId :  
A4BA6DL

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 07/27/2024

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jul 25 00:15:24 2024  
Response via : Initial Calibration





#30

Naphthalene

Concen: 8.187 ng/ul

RT: 10.475 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNP\_P

ClientSampleId :

A4BA6DL

Tgt Ion:128 Resp: 34179

Ion Ratio Lower Upper

128 100

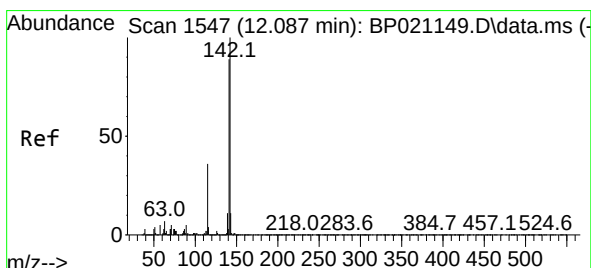
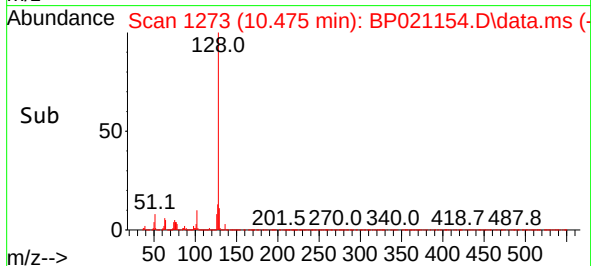
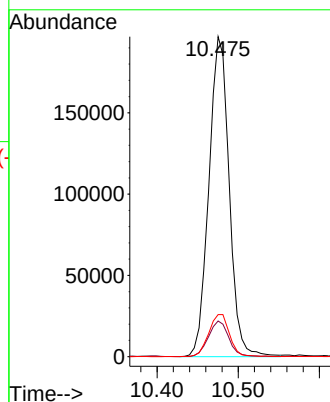
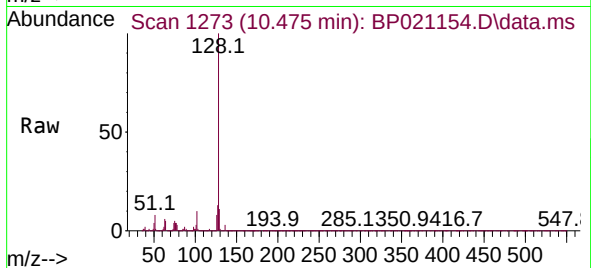
129 11.2 8.6 13.0

127 13.1 10.8 16.2

Manual Integrations

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#36

2-Methylnaphthalene

Concen: 8.127 ng/ul

RT: 12.087 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BP021154.D

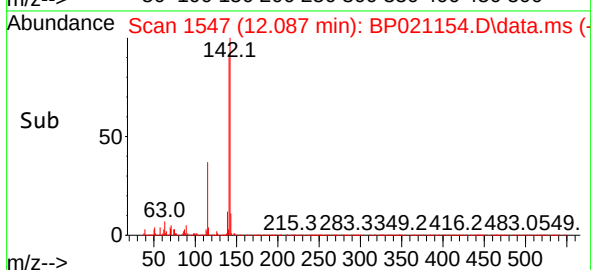
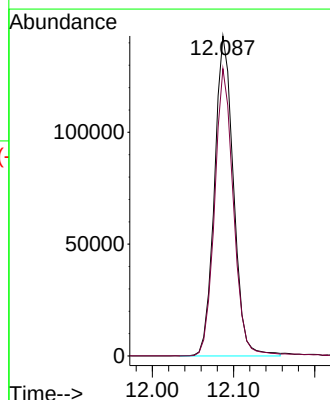
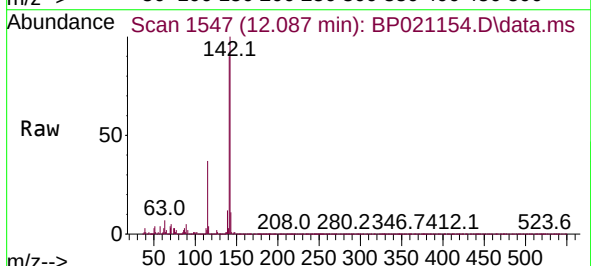
Acq: 25 Jul 2024 19:33

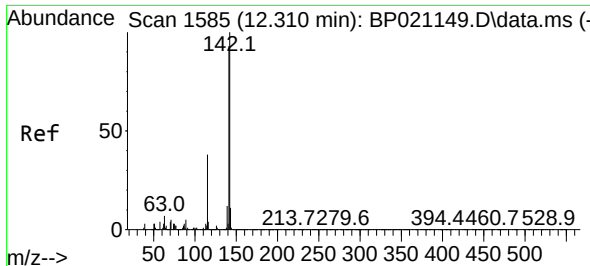
Tgt Ion:142 Resp: 232897

Ion Ratio Lower Upper

142 100

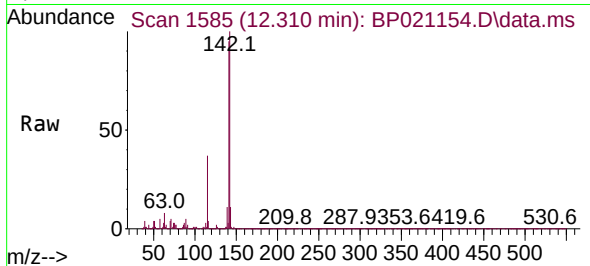
141 89.8 72.6 108.8





#37  
1-Methylnaphthalene  
Concen: 5.341 ng/ul  
RT: 12.310 min Scan# 1585  
Delta R.T. 0.006 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

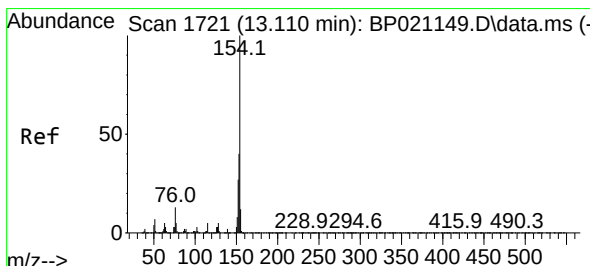
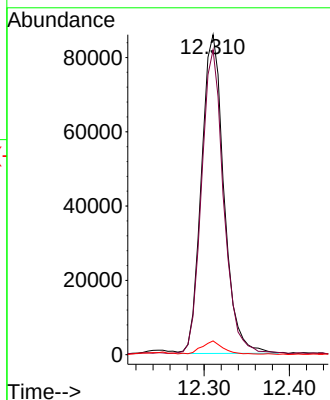
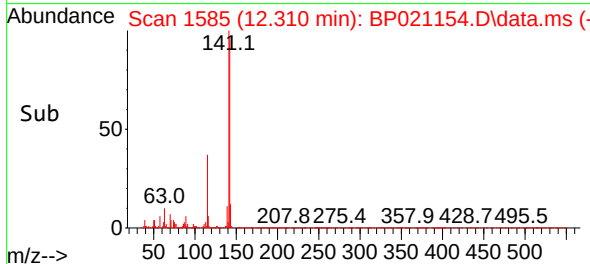
Instrument :  
BNA\_P  
ClientSampleId :  
A4BA6DL



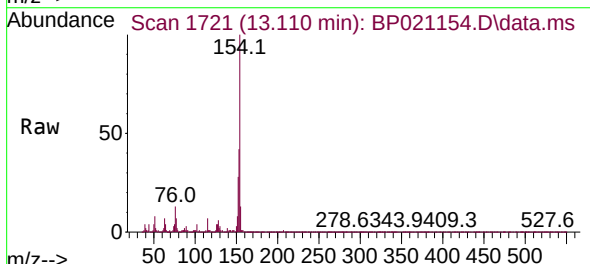
Tgt Ion:142 Resp: 157399  
Ion Ratio Lower Upper  
142 100  
141 95.3 75.0 112.6  
116 4.3 3.2 4.8

Manual Integrations  
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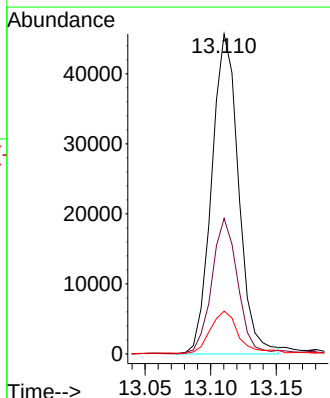
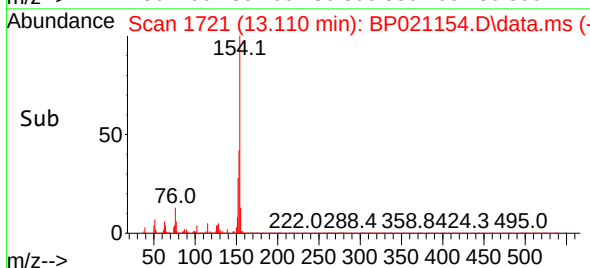
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

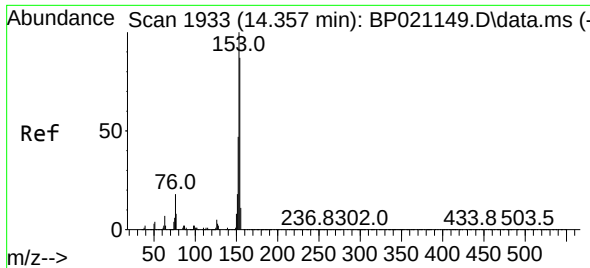


#43  
1,1'-Biphenyl  
Concen: 1.810 ng/ul  
RT: 13.110 min Scan# 1721  
Delta R.T. 0.006 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33



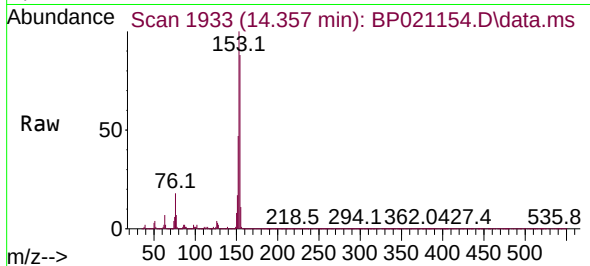
Tgt Ion:154 Resp: 65090  
Ion Ratio Lower Upper  
154 100  
153 42.3 32.7 49.1  
76 13.4 9.4 14.2





#52  
Acenaphthene  
Concen: 30.259 ng/ul  
RT: 14.357 min Scan# 1933  
Delta R.T. 0.000 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

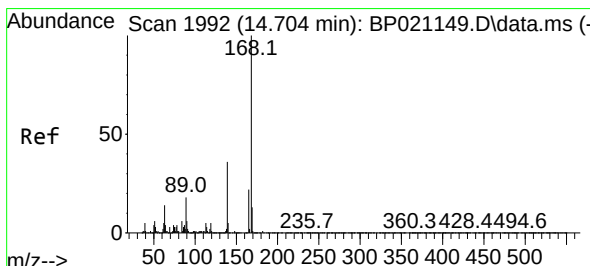
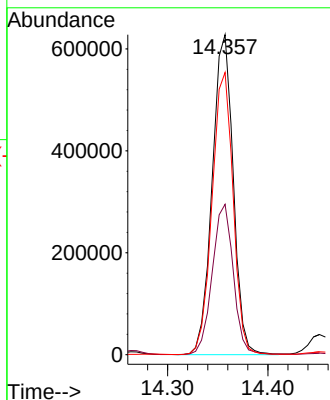
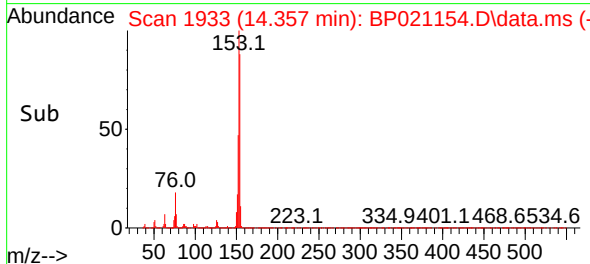
Instrument :  
BNA\_P  
ClientSampleId :  
A4BA6DL



Tgt Ion:153 Resp: 913275  
Ion Ratio Lower Upper  
153 100  
152 47.0 37.8 56.6  
154 88.2 71.8 107.6

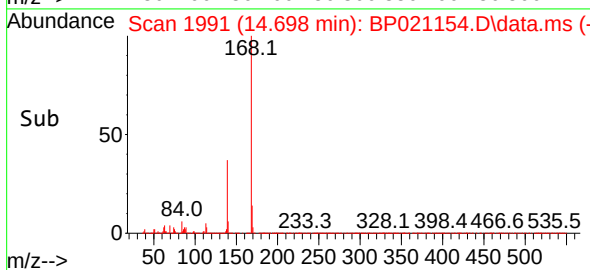
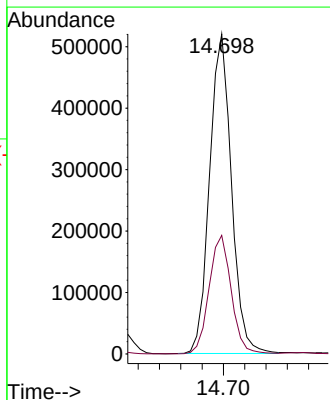
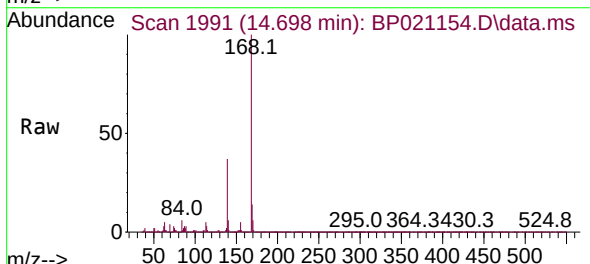
Manual Integrations  
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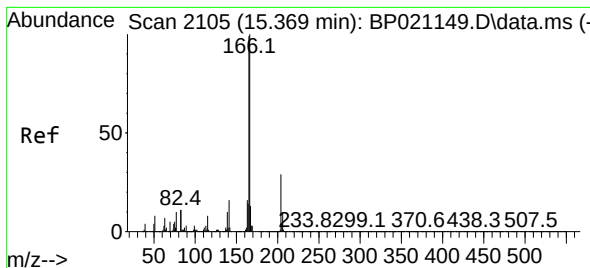
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#56  
Dibenzofuran  
Concen: 17.897 ng/ul  
RT: 14.698 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

Tgt Ion:168 Resp: 739712  
Ion Ratio Lower Upper  
168 100  
139 37.0 31.1 46.7





#61

Fluorene

Concen: 30.446 ng/u1

RT: 15.363 min Scan# 2105

Delta R.T. 0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNA\_P

ClientSampleId :

A4BA6DL

Tgt Ion:166 Resp: 102686

Ion Ratio Lower Upper

166 100

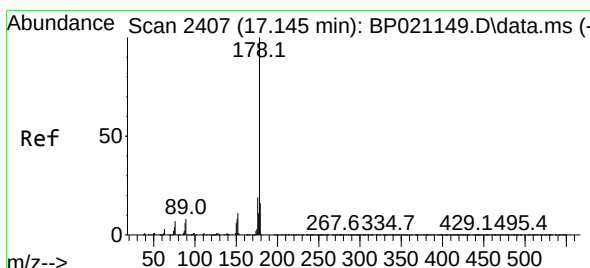
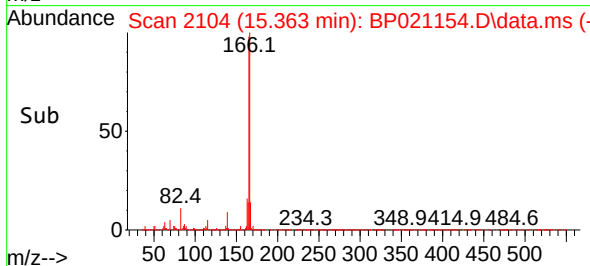
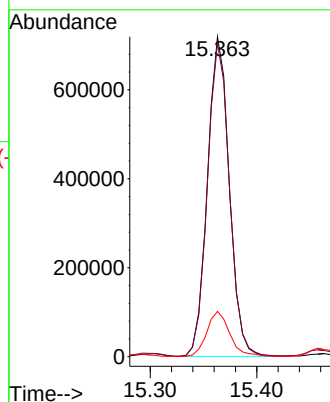
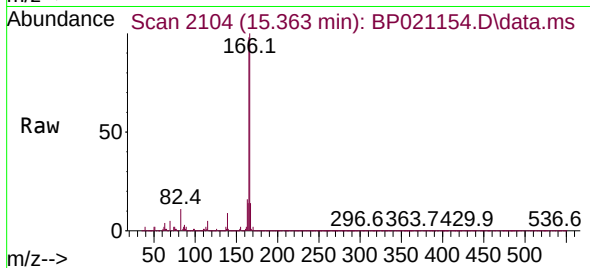
165 98.0 78.1 117.1

167 14.2 10.9 16.3

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/27/2024



#72

Phenanthrene

Concen: 133.002 ng/u1

RT: 17.157 min Scan# 2409

Delta R.T. 0.012 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

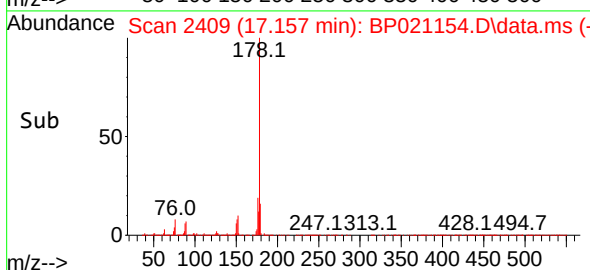
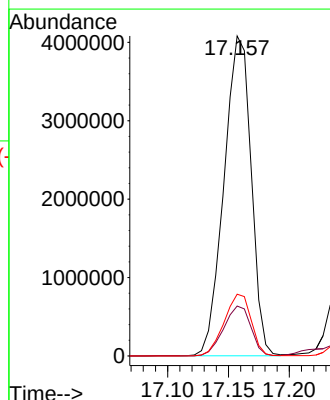
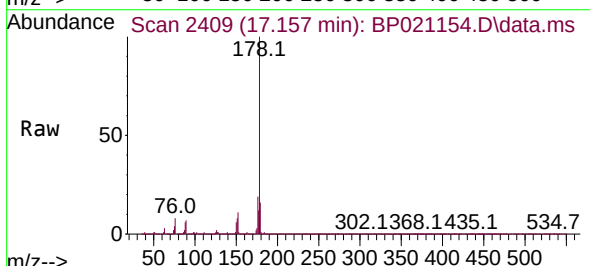
Tgt Ion:178 Resp: 6328625

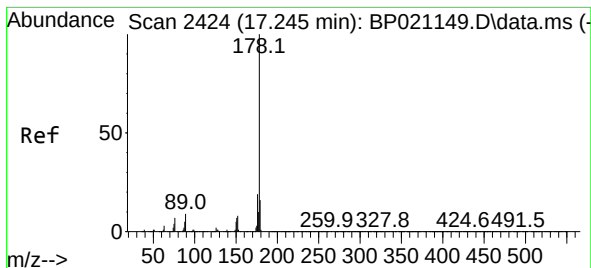
Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

176 19.3 15.0 22.4





#74

Anthracene

Concen: 42.493 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNA\_P

ClientSampleId :

A4BA6DL

Tgt Ion:178 Resp: 2061264

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

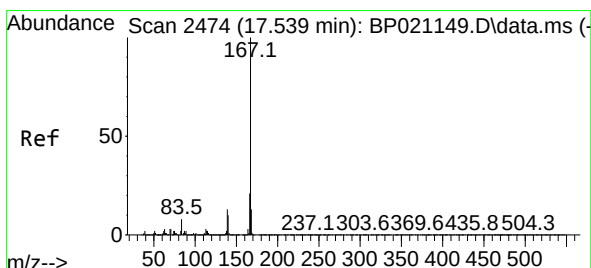
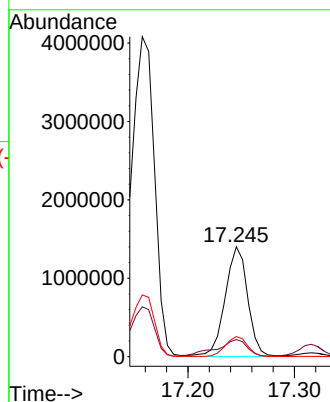
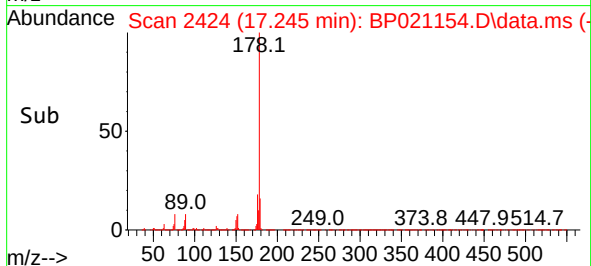
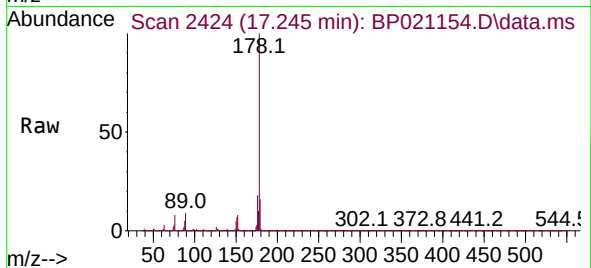
176 18.3 14.8 22.2

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/27/2024



#77

Carbazole

Concen: 17.865 ng/ul

RT: 17.545 min Scan# 2475

Delta R.T. 0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

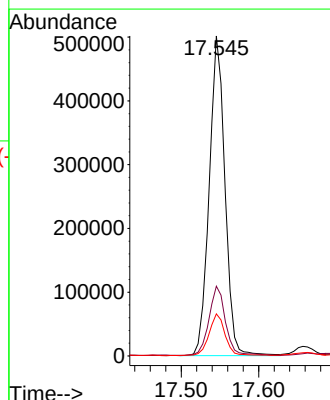
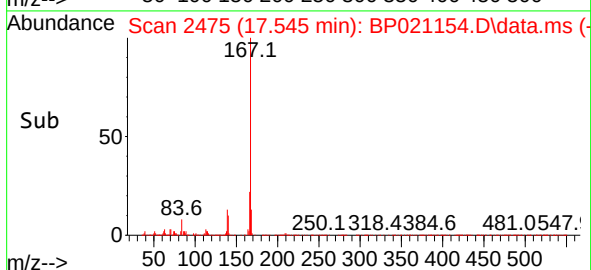
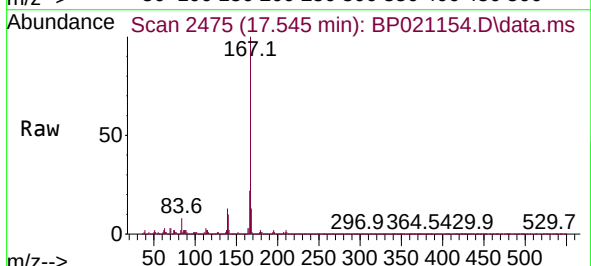
Tgt Ion:167 Resp: 708416

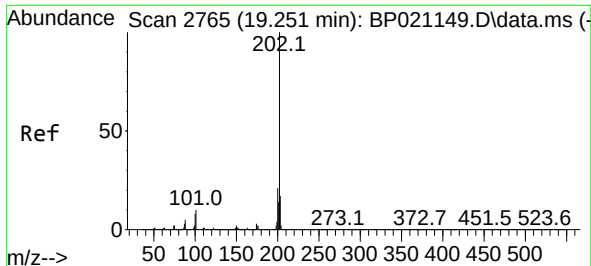
Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

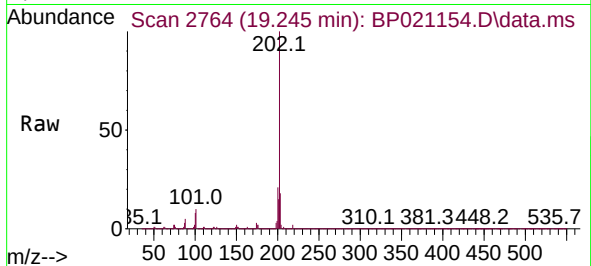
139 13.1 10.2 15.2





#80  
Fluoranthene  
Concen: 86.724 ng/u1  
RT: 19.245 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

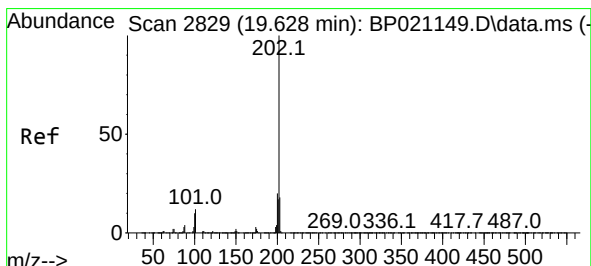
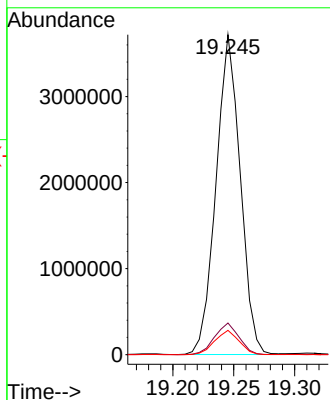
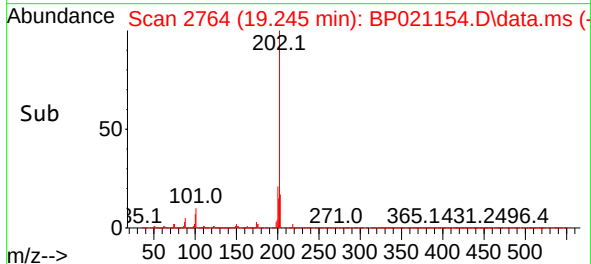
Instrument :  
BNA\_P  
ClientSampleId :  
A4BA6DL



Tgt Ion:202 Resp: 514486  
Ion Ratio Lower Upper  
202 100  
101 9.9 8.0 12.0  
100 7.6 6.1 9.1

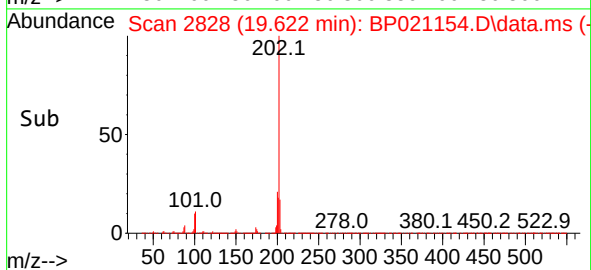
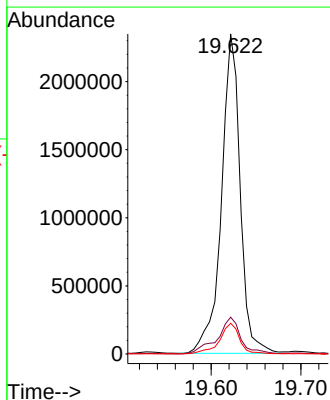
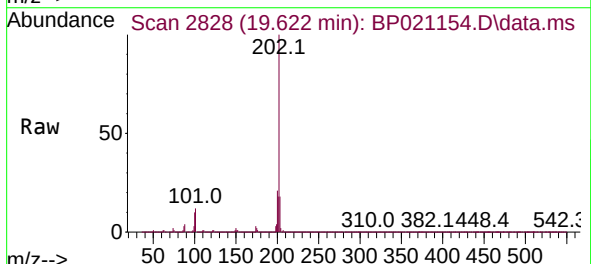
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Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024

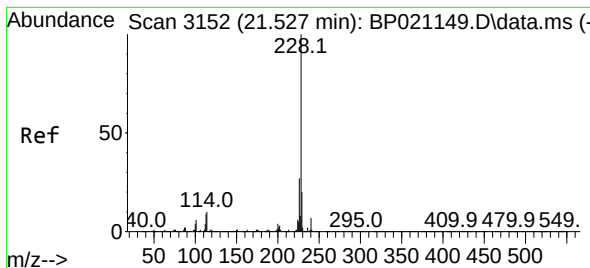


#82  
Pyrene  
Concen: 56.400 ng/u1  
RT: 19.622 min Scan# 2828  
Delta R.T. 0.006 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

Tgt Ion:202 Resp: 3404766  
Ion Ratio Lower Upper  
202 100  
101 11.5 9.4 14.2  
100 9.6 7.8 11.6







#85

Benzo(a)anthracene

Concen: 45.302 ng/ul

RT: 21.539 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNP\_P

ClientSampleId :

A4BA6DL

Tgt Ion:228 Resp: 252154

Ion Ratio Lower Upper

228 100

229 21.2 15.5 23.3

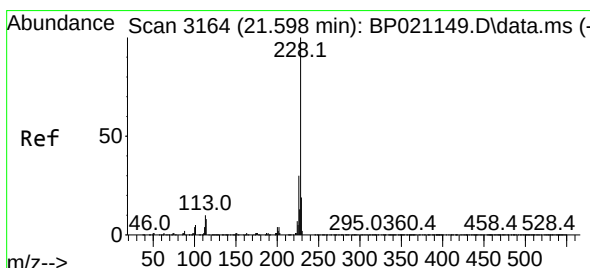
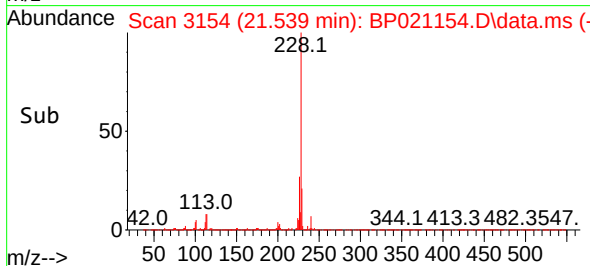
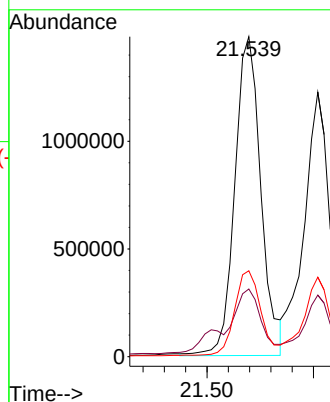
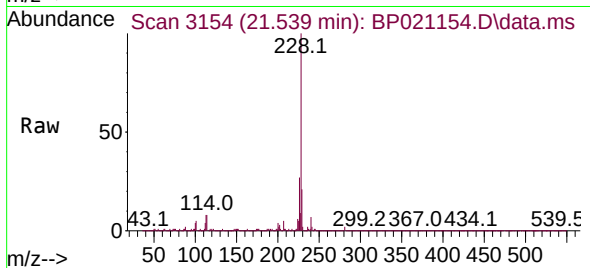
226 26.8 21.4 32.2

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Reviewed By :Jagrut Upadhyay 07/26/2024

Supervised By :mohammad ahmed 07/27/2024



#87

Chrysene

Concen: 39.438 ng/ul m

RT: 21.604 min Scan# 3165

Delta R.T. -0.000 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

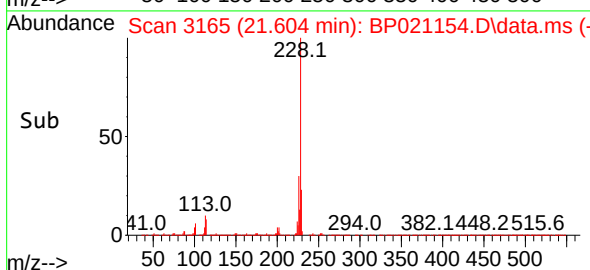
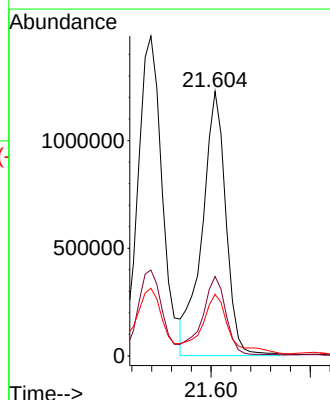
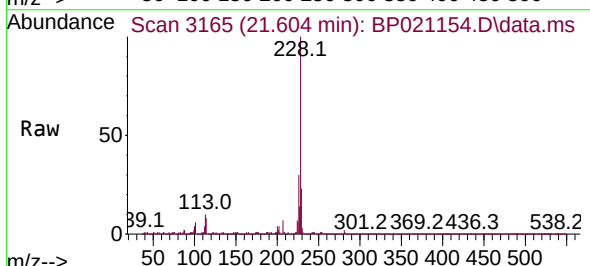
Tgt Ion:228 Resp: 2039765

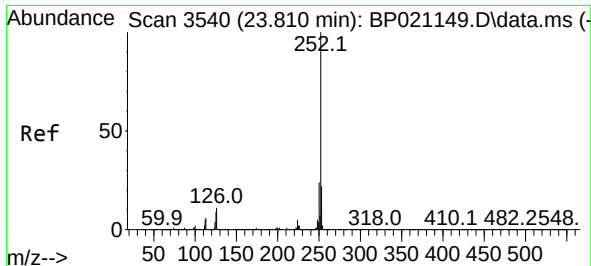
Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

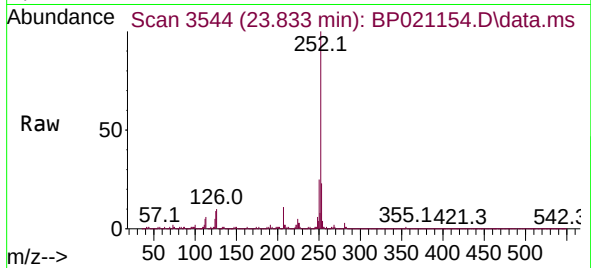
229 23.3 15.5 23.3#





#90  
Benzo(b)fluoranthene  
Concen: 38.055 ng/ul  
RT: 23.833 min Scan# 3544  
Delta R.T. 0.012 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

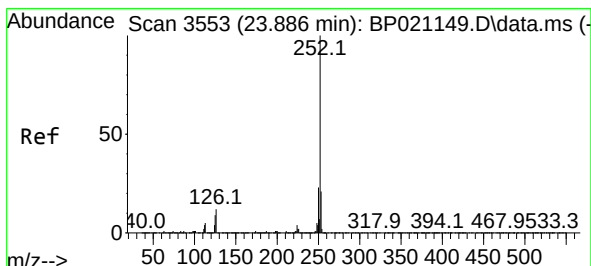
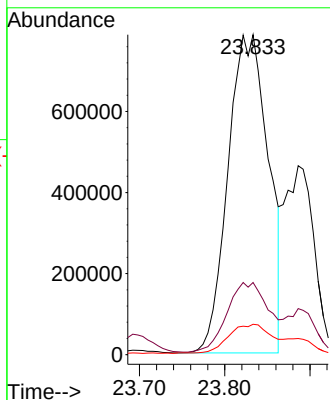
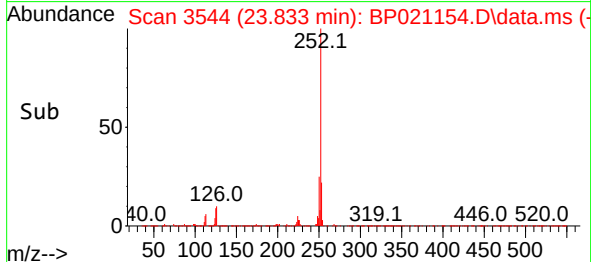
Instrument :  
BNA\_P  
ClientSampleId :  
A4BA6DL



Tgt Ion:252 Resp: 257968  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.1 25.7  
125 9.5 7.0 10.4

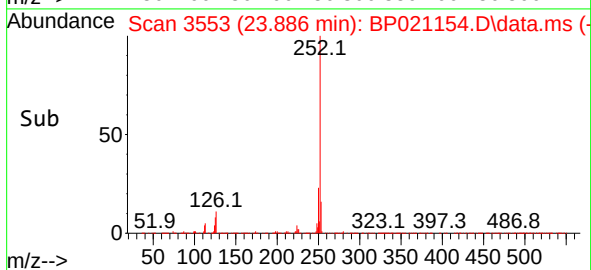
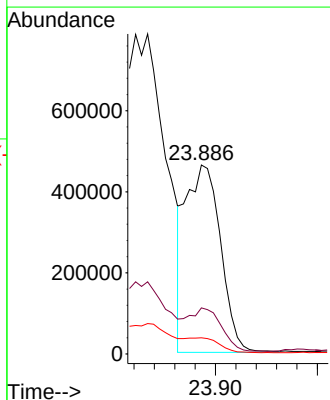
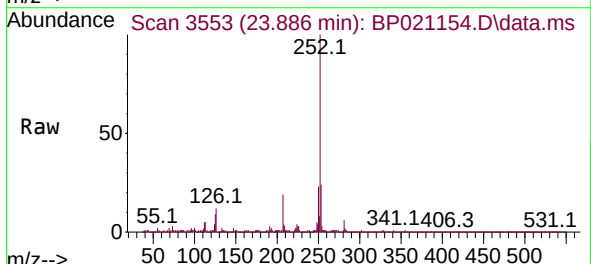
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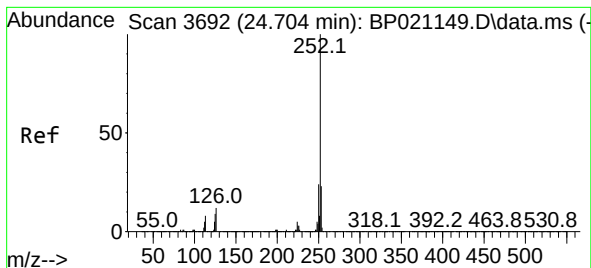
Reviewed By :Jagrut Upadhyay 07/26/2024  
Supervised By :mohammad ahmed 07/27/2024



#91  
Benzo(k)fluoranthene  
Concen: 16.274 ng/ul m  
RT: 23.886 min Scan# 3553  
Delta R.T. -0.000 min  
Lab File: BP021154.D  
Acq: 25 Jul 2024 19:33

Tgt Ion:252 Resp: 1100942  
Ion Ratio Lower Upper  
252 100  
253 24.4 17.4 26.2  
125 8.5 7.4 11.0





#93

Benzo(a)pyrene

Concen: 19.704 ng/ul

RT: 24.710 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNA\_P

ClientSampleId :

A4BA6DL

Tgt Ion:252 Resp: 126222

Ion Ratio Lower Upper

252 100

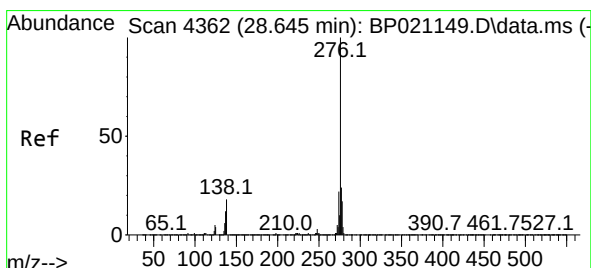
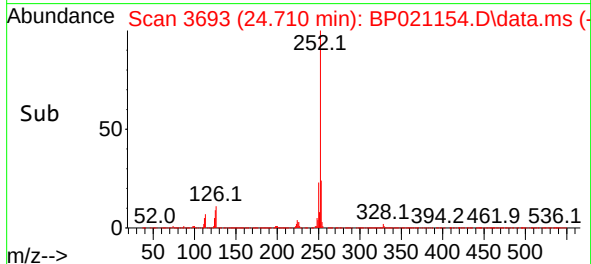
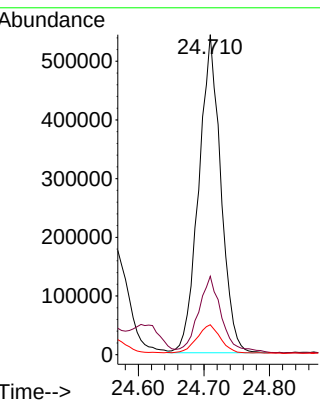
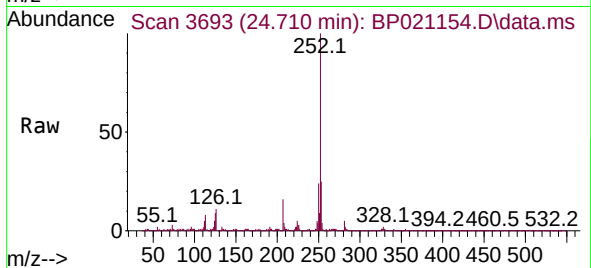
253 24.5 17.4 26.0

125 9.4 7.7 11.5

Manual Integrations

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Supervised By :mohammad ahmed 07/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.284 ng/ul

RT: 28.627 min Scan# 4359

Delta R.T. -0.012 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

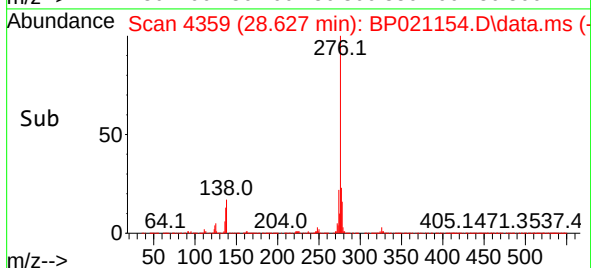
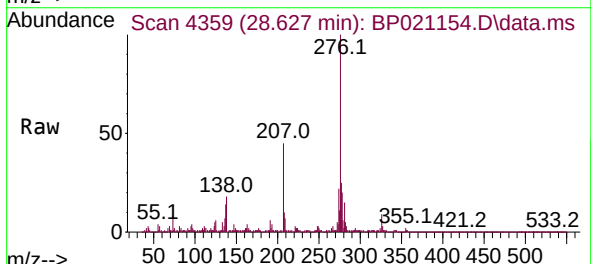
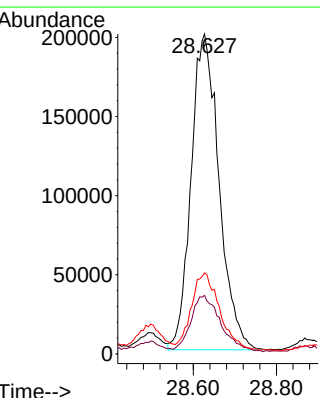
Tgt Ion:276 Resp: 931412

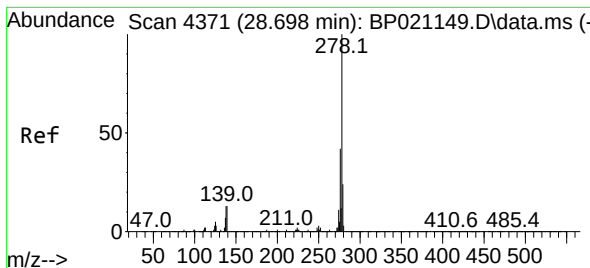
Ion Ratio Lower Upper

276 100

138 18.3 14.3 21.5

277 25.3 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 5.443 ng/ul m

RT: 28.662 min Scan# 41

Delta R.T. -0.029 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Instrument :

BNA\_P

ClientSampleId :

A4BA6DL

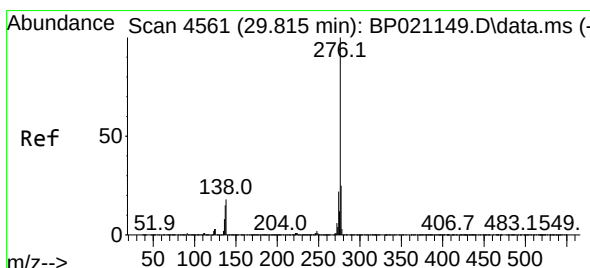
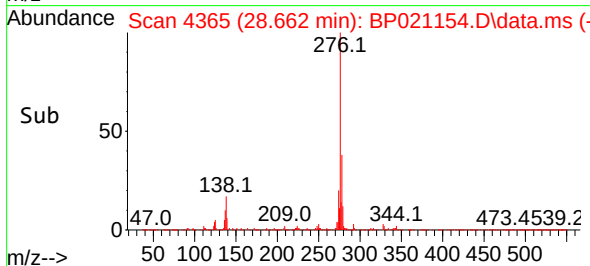
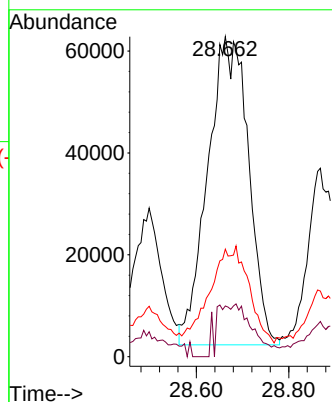
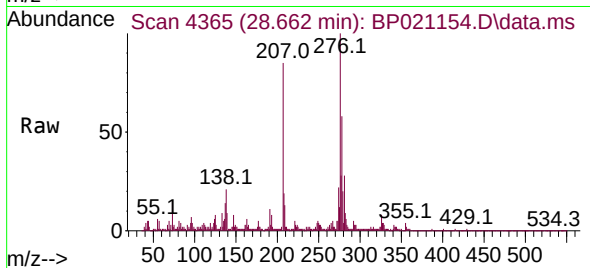
Tgt Ion:278 Resp: 37206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.8  | 10.9  | 16.3  |
| 279 | 33.6  | 19.4  | 29.0  |

Manual Integrations

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#96

Benzo(g,h,i)perylene

Concen: 1.996 ng/ul m

RT: 29.804 min Scan# 4559

Delta R.T. -0.006 min

Lab File: BP021154.D

Acq: 25 Jul 2024 19:33

Tgt Ion:276 Resp: 134153

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.8  | 15.3  | 22.9  |
| 277 | 26.4  | 18.2  | 27.2  |

