

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031623\  
 Data File : BN024318.D  
 Acq On : 16 Mar 2023 19:22  
 Operator : CG/JU  
 Sample : PB151326BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB151326BS

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 03/17/2023  
 Supervised By :Jagrut Upadhyay 03/17/2023

Quant Time: Mar 17 04:43:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 17 04:37:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.047  | 152  | 6693     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.855 | 136  | 18633    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.675 | 164  | 8276     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.413 | 188  | 16605    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.610 | 240  | 11498    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.126 | 264  | 8582     | 0.400 | ng    | # 0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.584  | 112  | 6032     | 0.407 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.188  | 99   | 7564     | 0.397 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.201  | 82   | 5636     | 0.453 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.440 | 152  | 8402     | 0.367 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.159 | 330  | 1284     | 0.304 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.307 | 172  | 13367    | 0.428 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.446 | 212  | 13110    | 0.372 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.034 | 244  | 7704     | 0.397 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.439  | 88   | 3273     | 0.449 | ng    | # 89     |
| 3) n-Nitrosodimethylamine     | 3.764  | 42   | 5618     | 0.526 | ng    | 87       |
| 6) bis(2-Chloroethyl)ether    | 7.455  | 93   | 8214     | 0.435 | ng    | 94       |
| 9) Naphthalene                | 10.909 | 128  | 19545    | 0.413 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.197 | 225  | 3757     | 0.418 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.512 | 142  | 11889    | 0.372 | ng    | 99       |
| 16) Acenaphthylene            | 14.397 | 152  | 15414    | 0.393 | ng    | 100      |
| 17) Acenaphthene              | 14.739 | 154  | 9963     | 0.399 | ng    | 95       |
| 18) Fluorene                  | 15.712 | 166  | 11604    | 0.389 | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.787 | 198  | 614      | 0.376 | ng    | # 61     |
| 21) 4-Bromophenyl-phenylether | 16.606 | 248  | 3531     | 0.358 | ng    | # 81     |
| 22) Hexachlorobenzene         | 16.730 | 284  | 4854     | 0.401 | ng    | 96       |
| 23) Atrazine                  | 16.867 | 200  | 2117     | 0.338 | ng    | # 91     |
| 24) Pentachlorophenol         | 17.065 | 266  | 1571     | 0.342 | ng    | 99       |
| 25) Phenanthrene              | 17.462 | 178  | 19931    | 0.405 | ng    | 100      |
| 26) Anthracene                | 17.549 | 178  | 16832    | 0.371 | ng    | 100      |
| 28) Fluoranthene              | 19.476 | 202  | 20362    | 0.378 | ng    | 99       |
| 30) Pyrene                    | 19.838 | 202  | 20368    | 0.437 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.592 | 228  | 14685    | 0.383 | ng    | 99       |
| 33) Chrysene                  | 21.646 | 228  | 17405    | 0.425 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.511 | 149  | 7345     | 0.406 | ng    | 96       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.749 | 276  | 12253    | 0.381 | ng    | # 85     |
| 37) Benzo(b)fluoranthene      | 23.351 | 252  | 13712    | 0.411 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 23.407 | 252  | 14397m   | 0.418 | ng    |          |
| 39) Benzo(a)pyrene            | 24.006 | 252  | 11891    | 0.388 | ng    | # 90     |
| 40) Dibenzo(a,h)anthracene    | 26.769 | 278  | 8994     | 0.361 | ng    | 93       |
| 41) Benzo(g,h,i)perylene      | 27.561 | 276  | 11987    | 0.413 | ng    | 95       |
| -----                         |        |      |          |       |       |          |

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

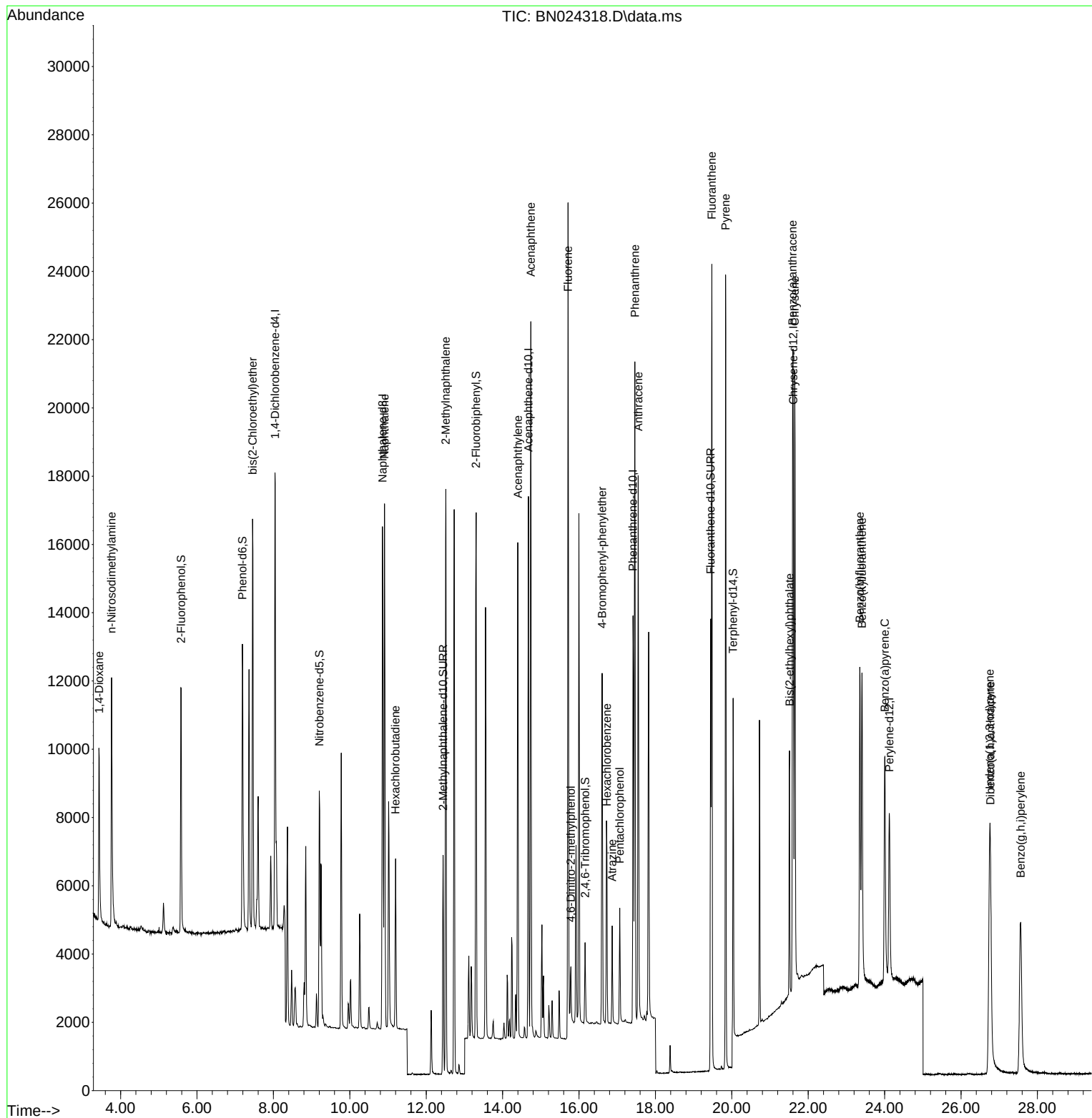
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031623\  
 Data File : BN024318.D  
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 Sample : PB151326BS  
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 ALS Vial : 5 Sample Multiplier: 1

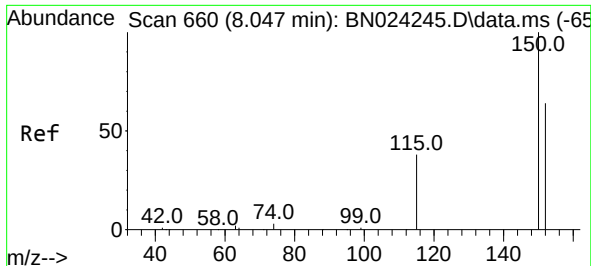
Instrument :  
 BNA\_N  
 ClientSampleId :  
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### Manual Integrations APPROVED

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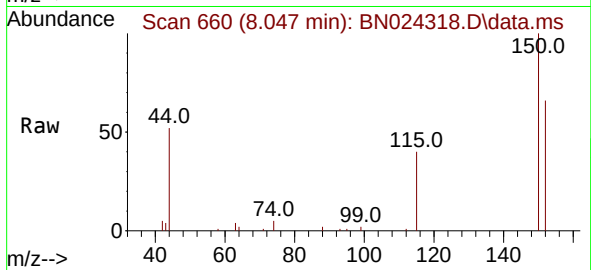
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1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.047 min Scan# 660  
Delta R.T. 0.007 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

PB151326BS

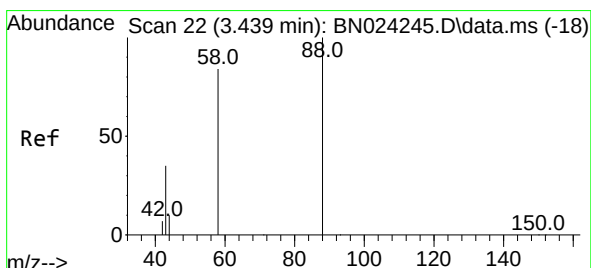
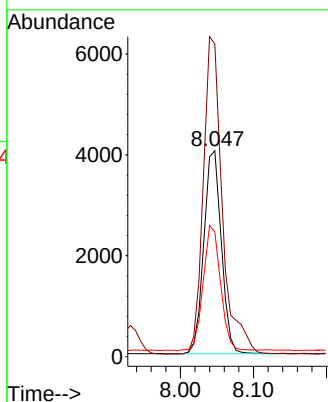
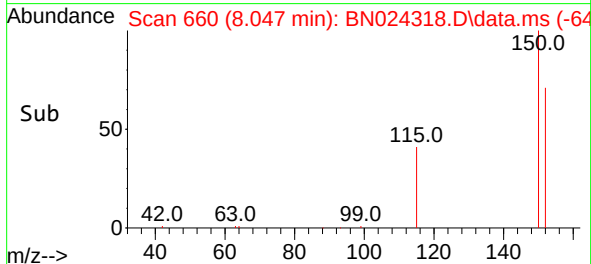


Tgt Ion: 152 Resp: 669  
Ion Ratio Lower Upper  
152 100  
150 152.0 124.7 187.1  
115 60.6 49.1 73.7

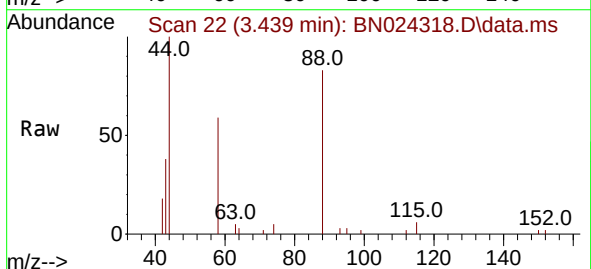
Manual Integrations

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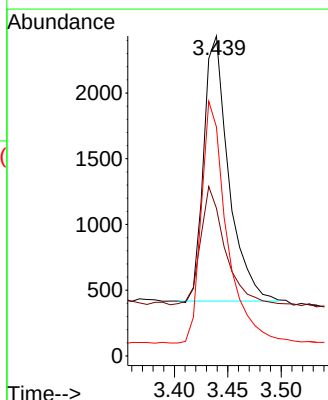
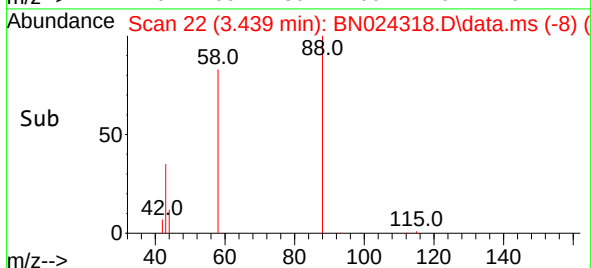
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

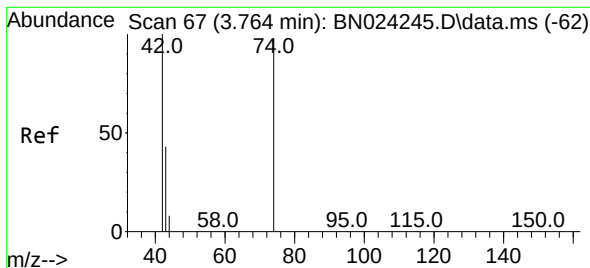


#2  
1,4-Dioxane  
Concen: 0.449 ng  
RT: 3.439 min Scan# 22  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion: 88 Resp: 3273  
Ion Ratio Lower Upper  
88 100  
43 44.6 29.0 43.4#  
58 93.1 67.3 100.9





#3

n-Nitrosodimethylamine

Concen: 0.526 ng

RT: 3.764 min Scan# 61

Delta R.T. 0.000 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

PB151326BS

Tgt Ion: 42 Resp: 5618

Ion Ratio Lower Upper

42 100

74 88.2 81.6 122.4

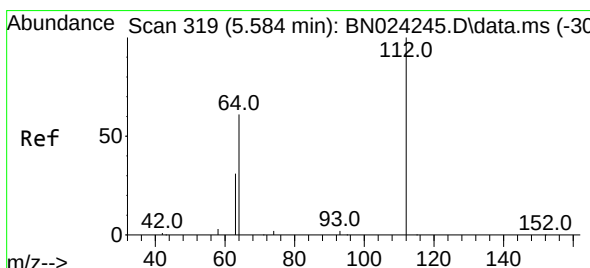
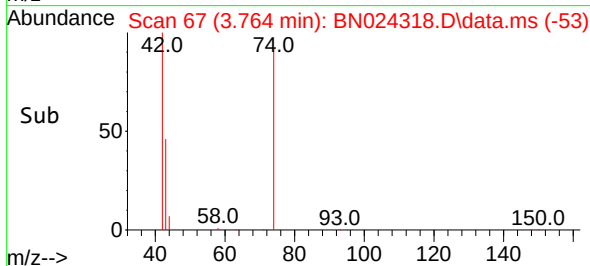
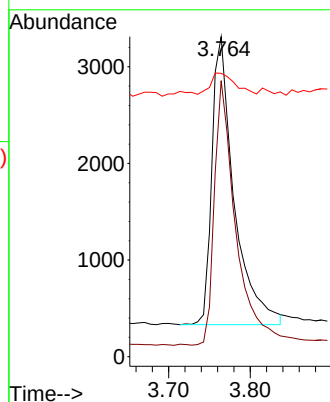
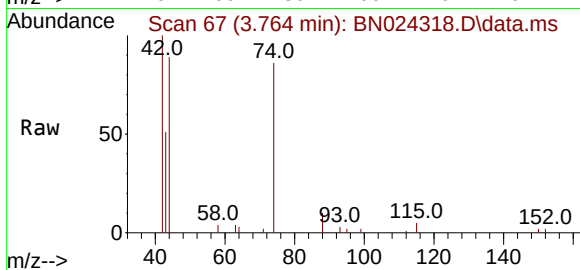
44 8.3 7.3 10.9

Manual Integrations

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#4

2-Fluorophenol

Concen: 0.407 ng

RT: 5.584 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

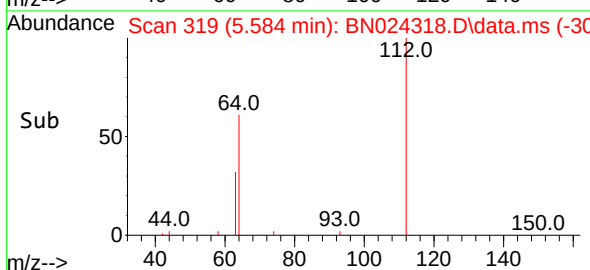
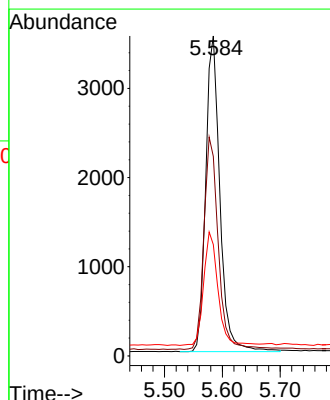
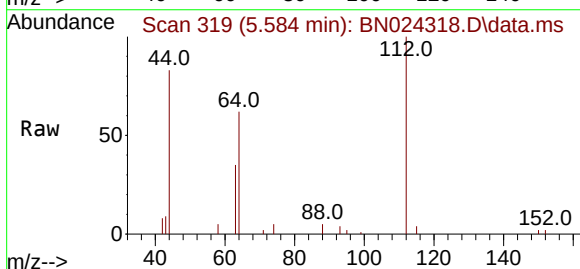
Tgt Ion:112 Resp: 6032

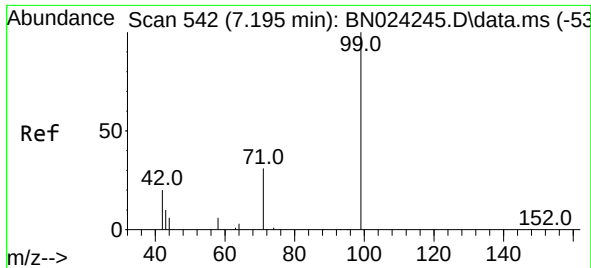
Ion Ratio Lower Upper

112 100

64 68.4 49.0 73.6

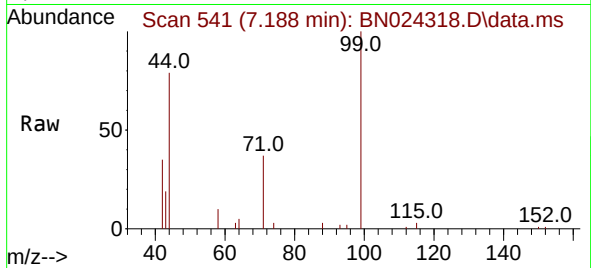
63 36.1 25.7 38.5





#5  
Phenol-d6  
Concen: 0.397 ng  
RT: 7.188 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

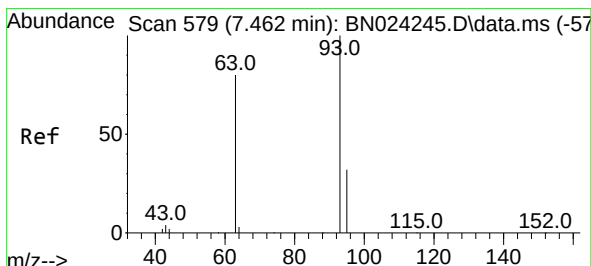
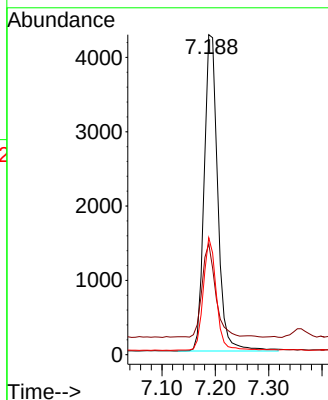
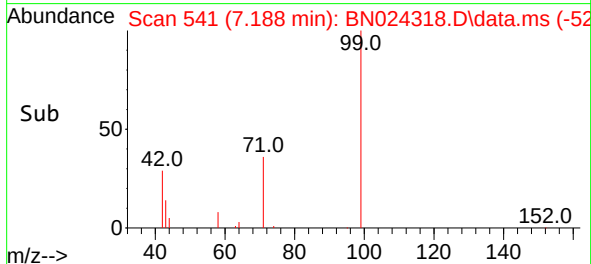
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion: 99 Resp: 7564  
Ion Ratio Lower Upper  
99 100  
42 28.8 20.1 30.1  
71 34.0 25.8 38.8

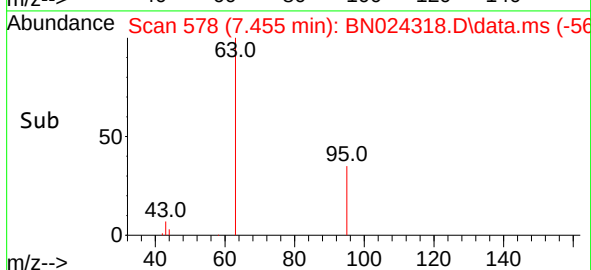
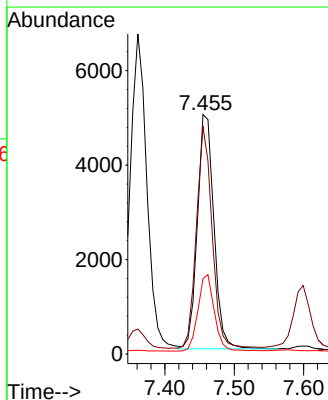
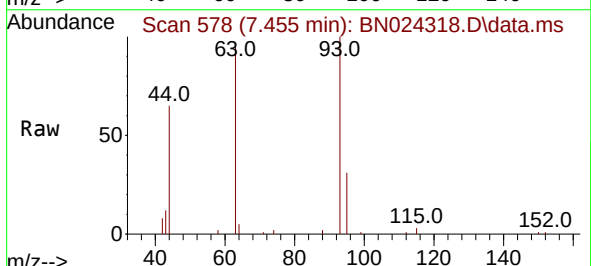
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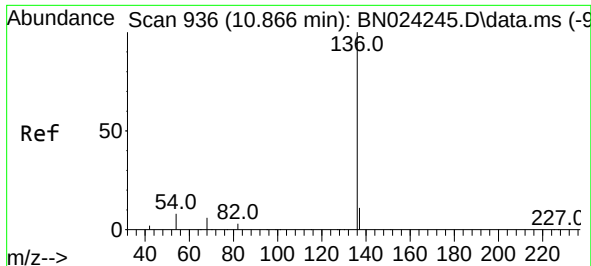
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#6  
bis(2-Chloroethyl)ether  
Concen: 0.435 ng  
RT: 7.455 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Tgt Ion: 93 Resp: 8214  
Ion Ratio Lower Upper  
93 100  
63 89.6 65.4 98.2  
95 32.3 25.8 38.8





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.855 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

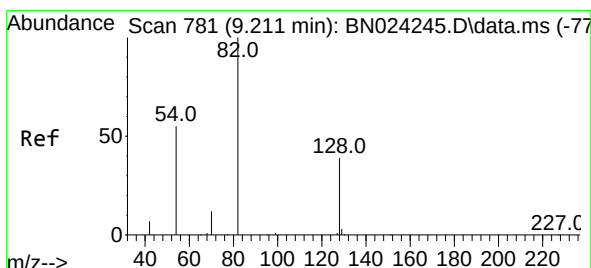
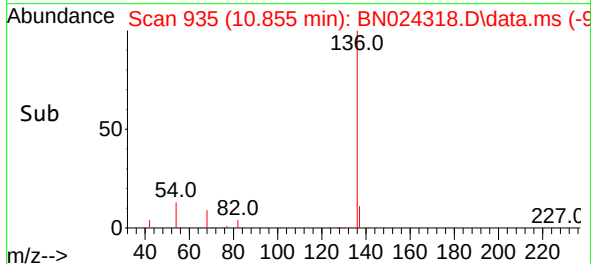
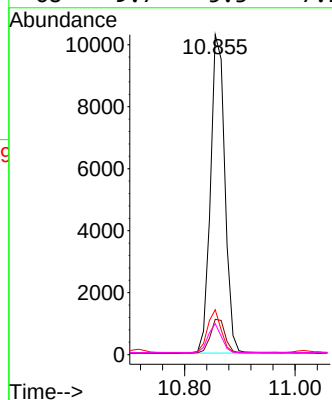
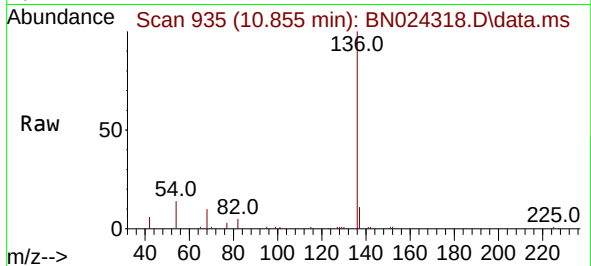
ClientSampleId :

PB151326BS

Tgt Ion:136 Resp: 1863  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 14.1 7.1 10.7  
68 9.7 5.3 7.9#

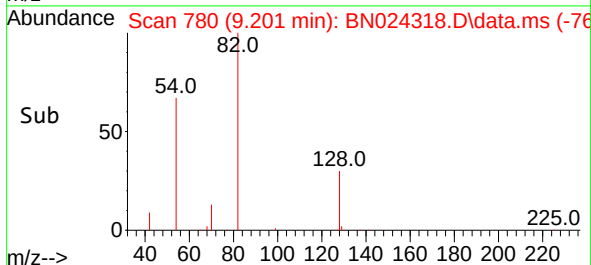
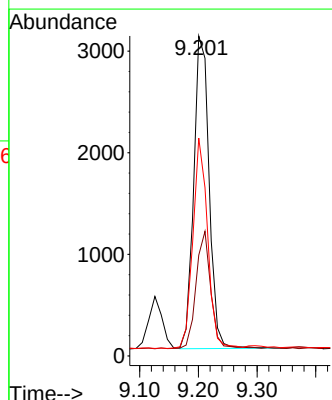
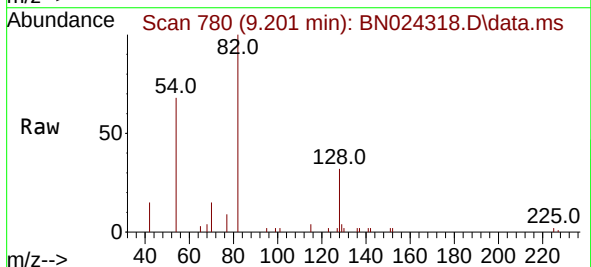
Manual Integrations  
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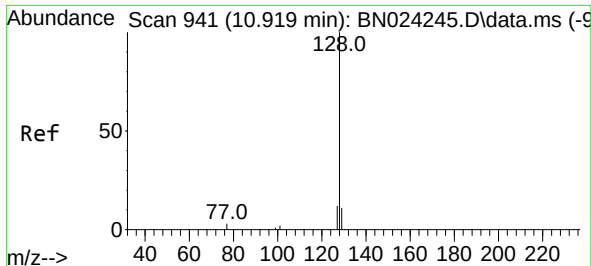
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#8  
Nitrobenzene-d5  
Concen: 0.453 ng  
RT: 9.201 min Scan# 780  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Tgt Ion: 82 Resp: 5636  
Ion Ratio Lower Upper  
82 100  
128 31.5 32.4 48.6#  
54 68.1 45.2 67.8#





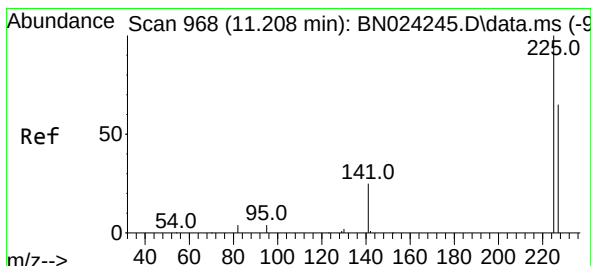
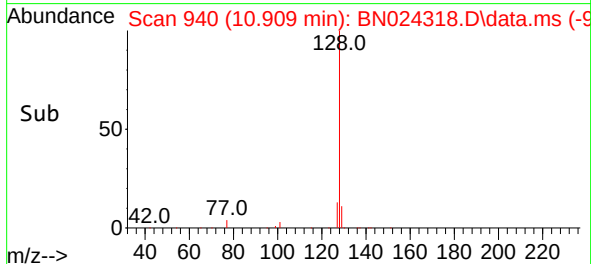
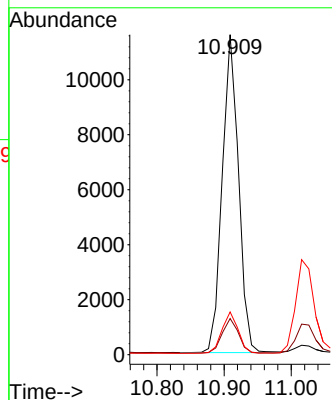
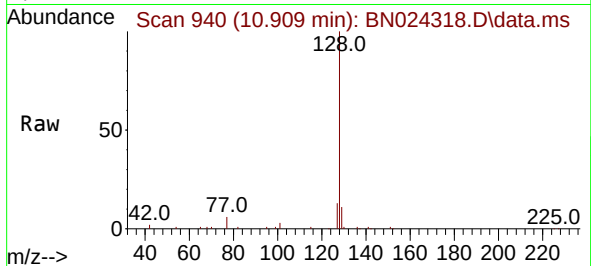
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Naphthalene  
Concen: 0.413 ng  
RT: 10.909 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :  
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PB151326BS

Tgt Ion:128 Resp: 1954  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.3 10.2 15.4

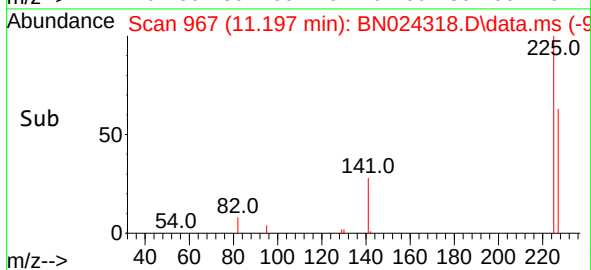
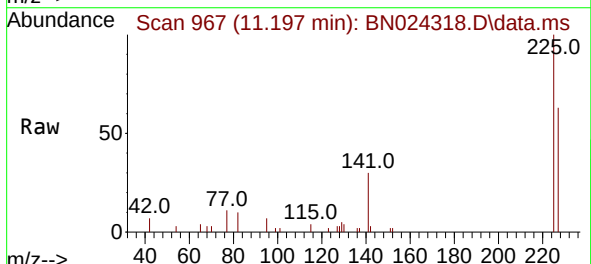
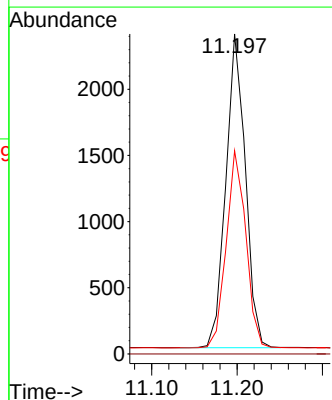
Manual Integrations  
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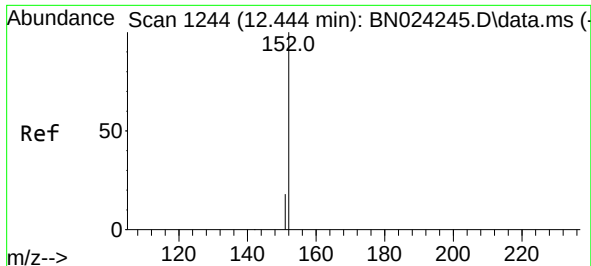
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Supervised By :Jagrut Upadhyay 03/17/2023



#10  
Hexachlorobutadiene  
Concen: 0.418 ng  
RT: 11.197 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

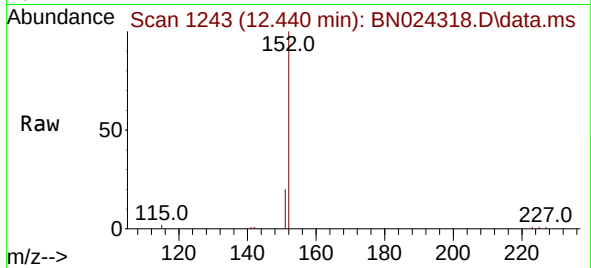
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.2 51.0 76.4





#11  
2-Methylnaphthalene-d10  
Concen: 0.367 ng  
RT: 12.440 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

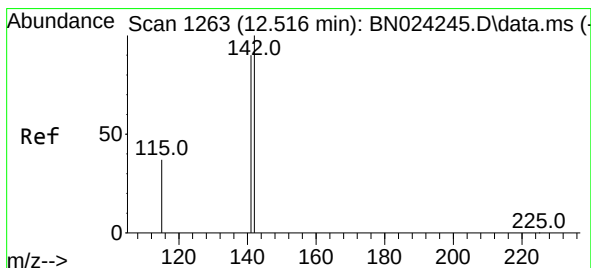
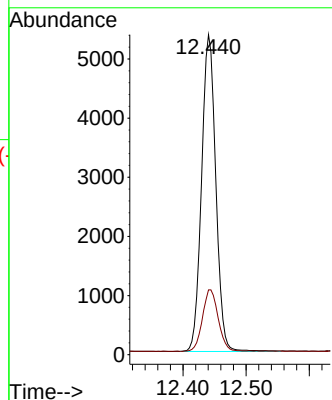
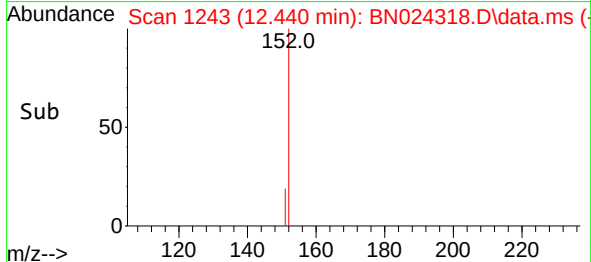
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



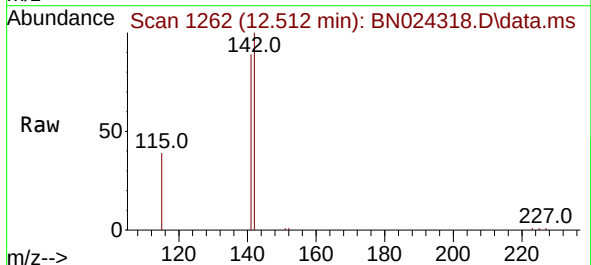
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Ion Ratio Lower Upper  
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Manual Integrations  
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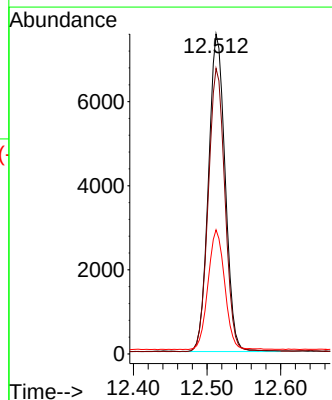
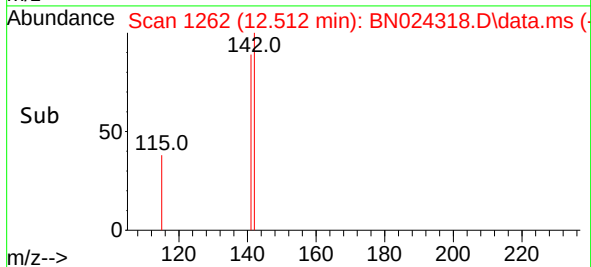
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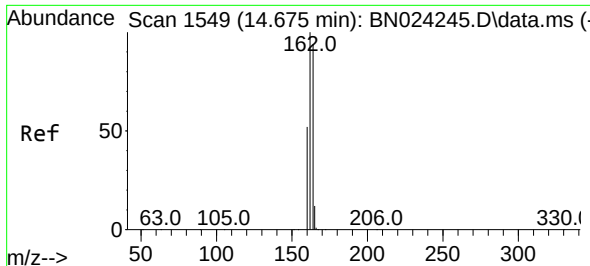
#12  
2-Methylnaphthalene  
Concen: 0.372 ng  
RT: 12.512 min Scan# 1262  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion:142 Resp: 11889  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.8 107.6  
115 38.8 30.0 45.0

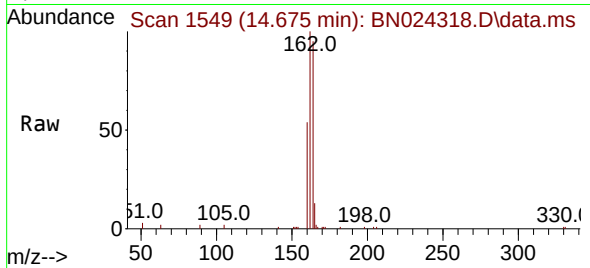






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.675 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

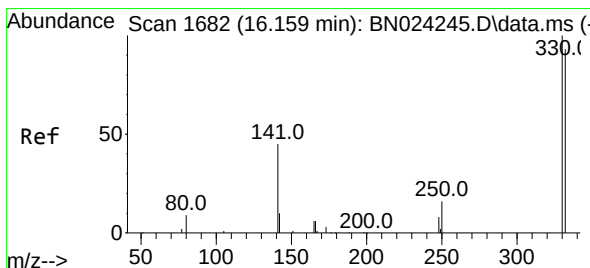
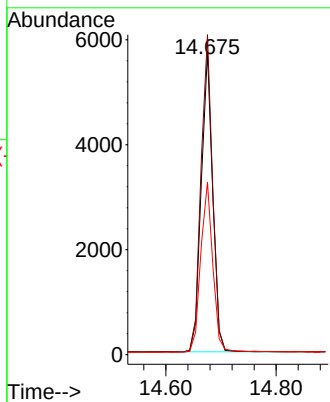
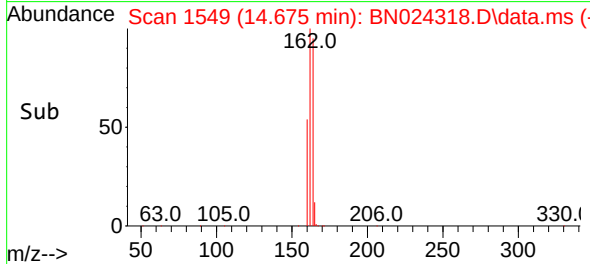
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



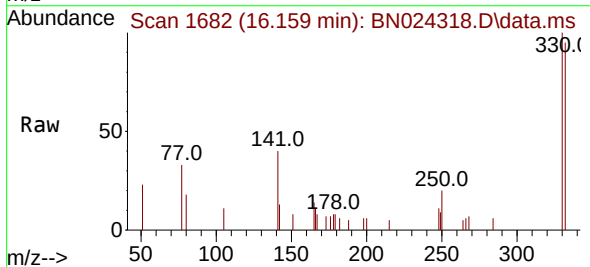
Tgt Ion:164 Resp: 8270  
Ion Ratio Lower Upper  
164 100  
162 105.6 84.7 127.1  
160 57.0 44.6 66.8

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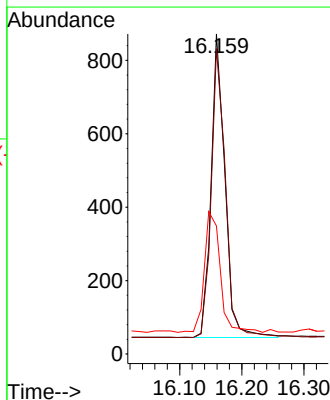
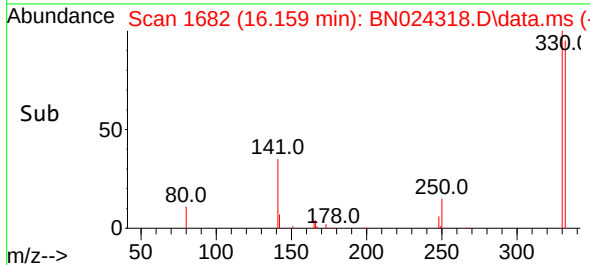
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

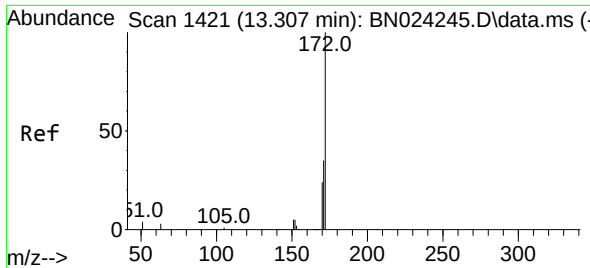


#14  
2,4,6-Tribromophenol  
Concen: 0.304 ng  
RT: 16.159 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion:330 Resp: 1284  
Ion Ratio Lower Upper  
330 100  
332 97.4 78.0 117.0  
141 45.3 30.8 46.2





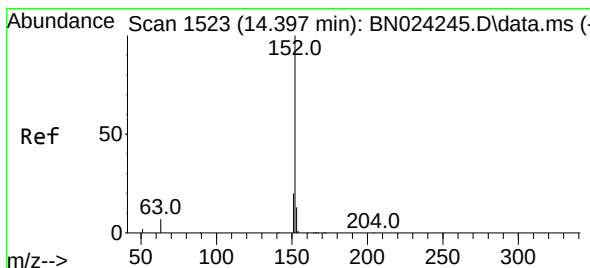
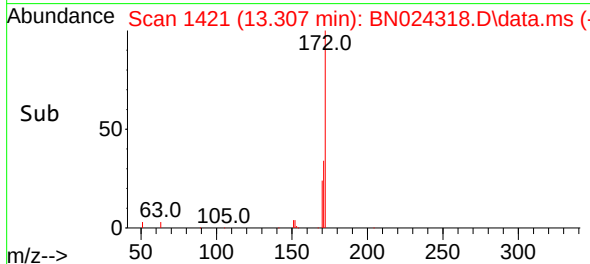
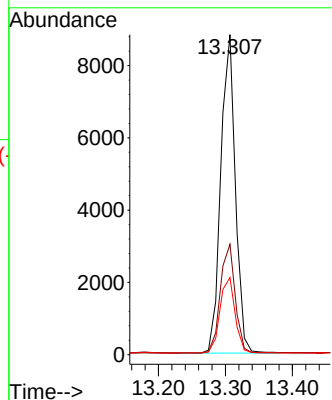
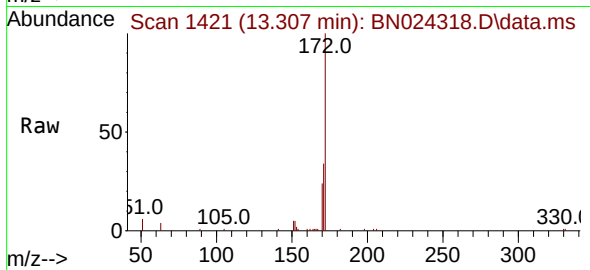
#15  
2-Fluorobiphenyl  
Concen: 0.428 ng  
RT: 13.307 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS

Tgt Ion:172 Resp: 1336  
Ion Ratio Lower Upper  
172 100  
171 34.5 27.8 41.8  
170 24.1 19.0 28.6

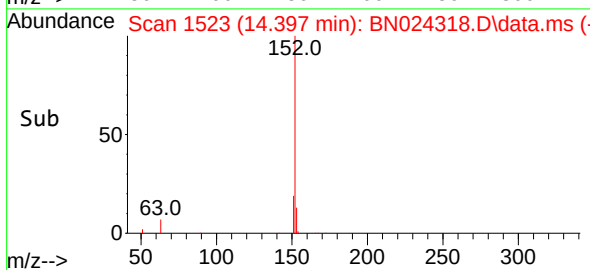
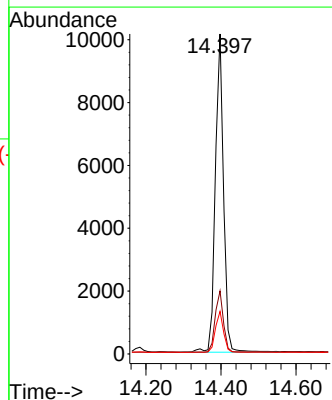
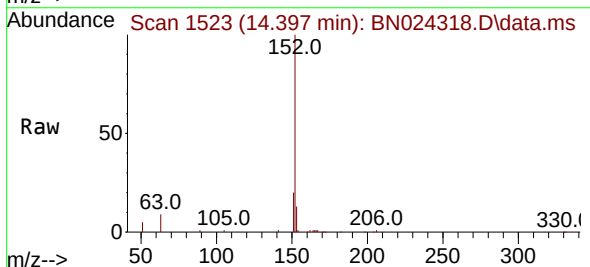
Manual Integrations  
APPROVED

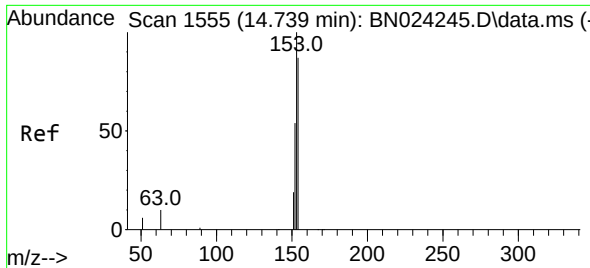
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#16  
Acenaphthylene  
Concen: 0.393 ng  
RT: 14.397 min Scan# 1523  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

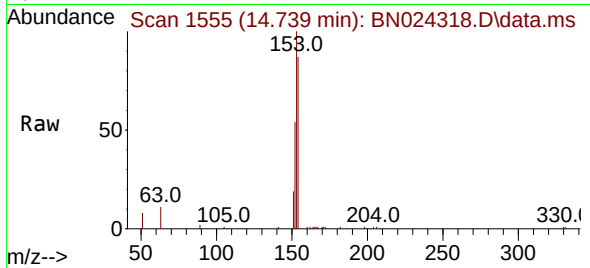
Tgt Ion:152 Resp: 15414  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.4 23.0  
153 12.9 10.4 15.6





#17  
Acenaphthene  
Concen: 0.399 ng  
RT: 14.739 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

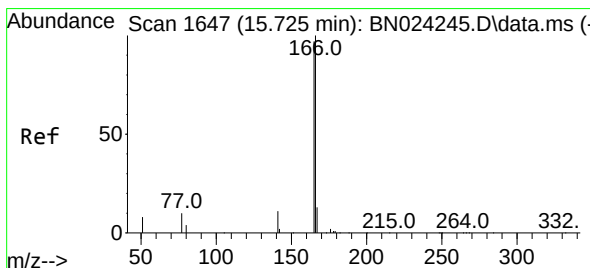
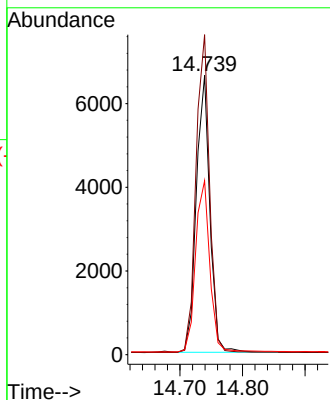
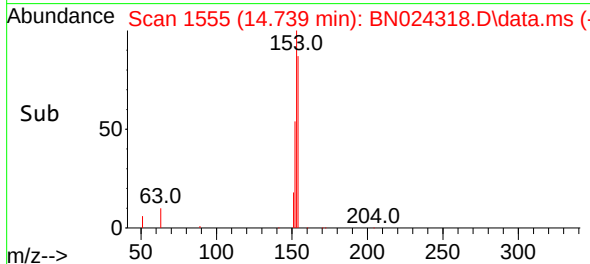
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



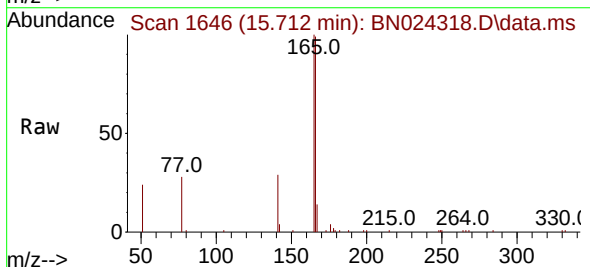
Tgt Ion:154 Resp: 996  
Ion Ratio Lower Upper  
154 100  
153 115.7 88.4 132.6  
152 65.2 48.7 73.1

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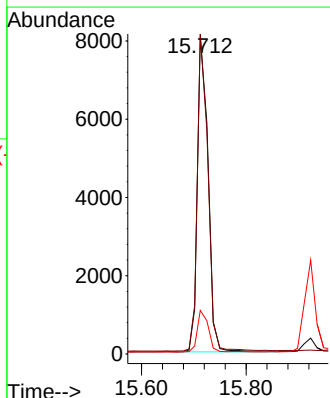
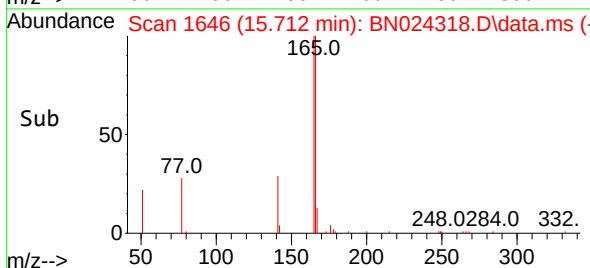
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

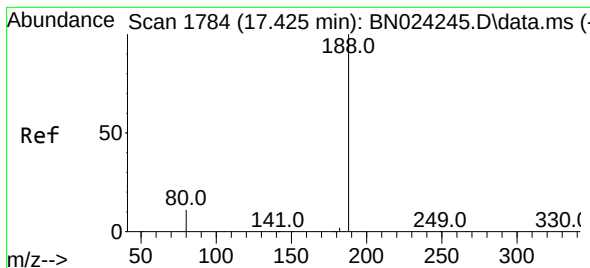


#18  
Fluorene  
Concen: 0.389 ng  
RT: 15.712 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion:166 Resp: 11604  
Ion Ratio Lower Upper  
166 100  
165 97.1 80.2 120.2  
167 13.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.413 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

PB151326BS

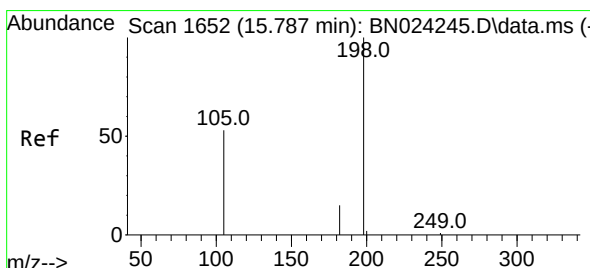
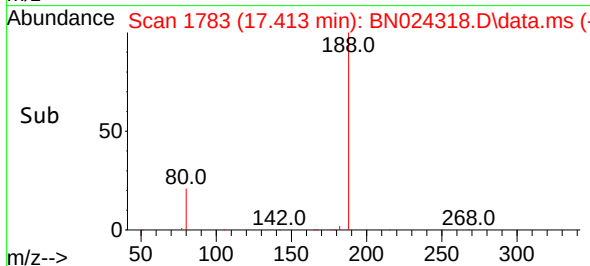
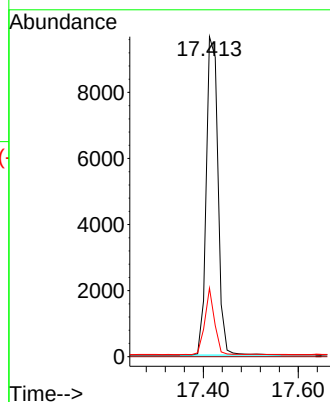
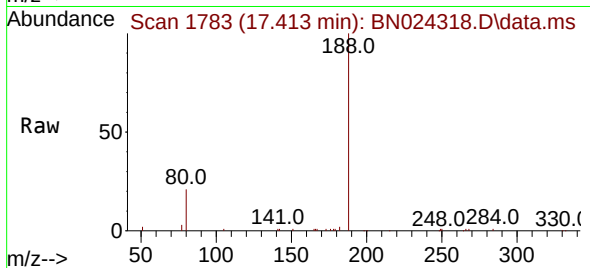
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 1660  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 21.4  | 8.9   |

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#20

4,6-Dinitro-2-methylphenol

Concen: 0.376 ng

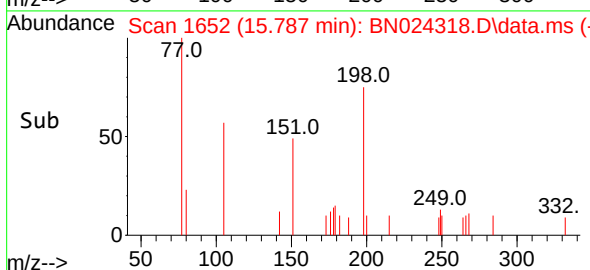
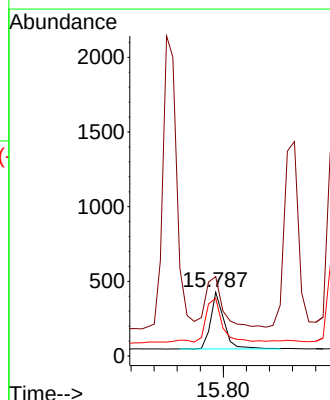
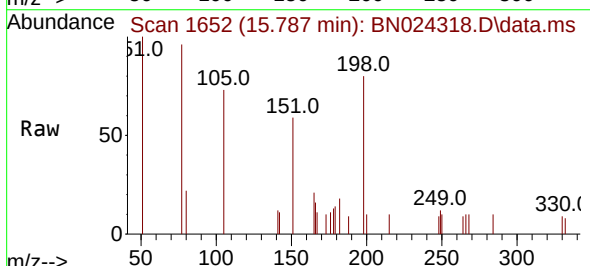
RT: 15.787 min Scan# 1652

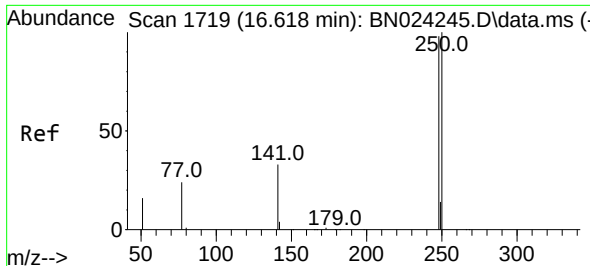
Delta R.T. 0.000 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

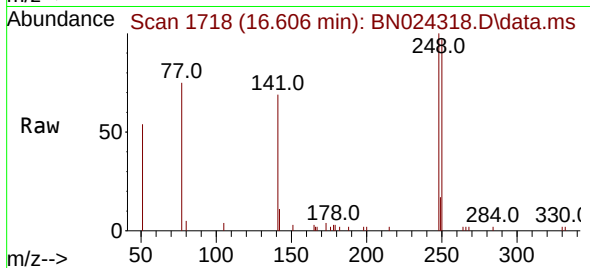
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 614   |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 124.6 | 68.2  |
| 105         | 90.6  | 51.6  |





#21  
4-Bromophenyl-phenylether  
Concen: 0.358 ng  
RT: 16.606 min Scan# 1718  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

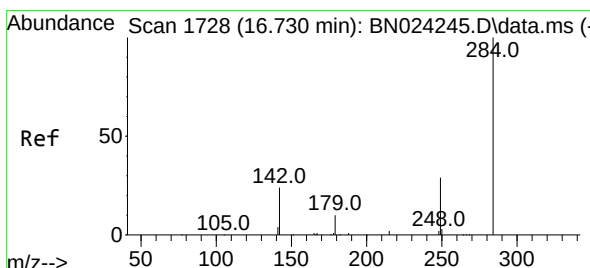
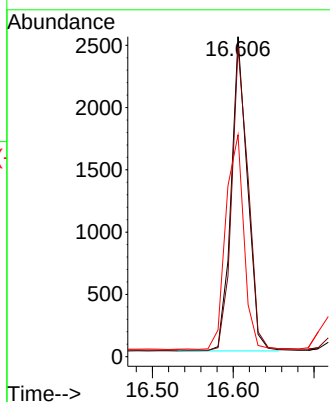
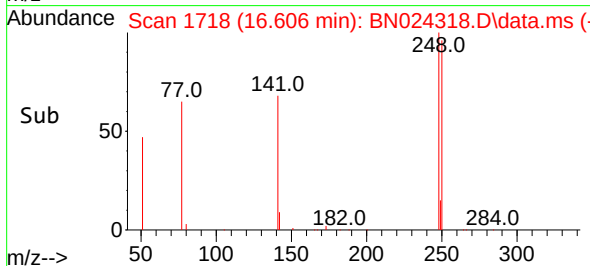
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion:248 Resp: 353  
Ion Ratio Lower Upper  
248 100  
250 96.8 81.9 122.9  
141 69.3 28.2 42.2

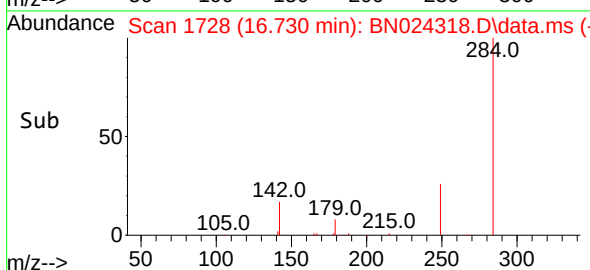
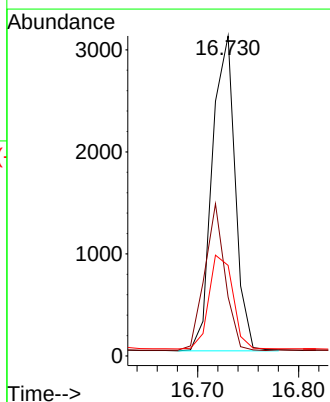
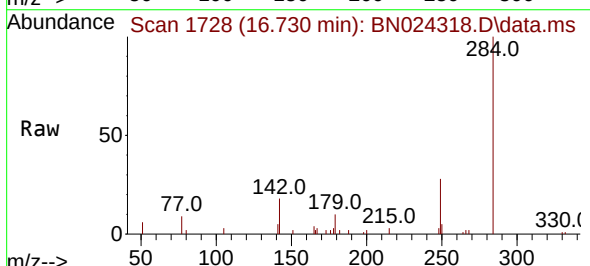
Manual Integrations  
APPROVED

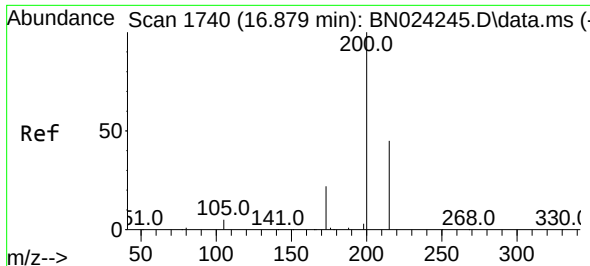
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#22  
Hexachlorobenzene  
Concen: 0.401 ng  
RT: 16.730 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

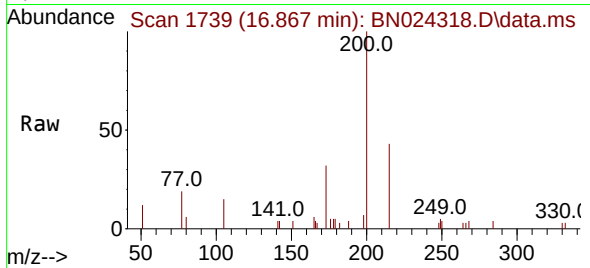
Tgt Ion:284 Resp: 4854  
Ion Ratio Lower Upper  
284 100  
142 41.7 30.2 45.4  
249 31.1 24.5 36.7





#23  
Atrazine  
Concen: 0.338 ng  
RT: 16.867 min Scan# 1739  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

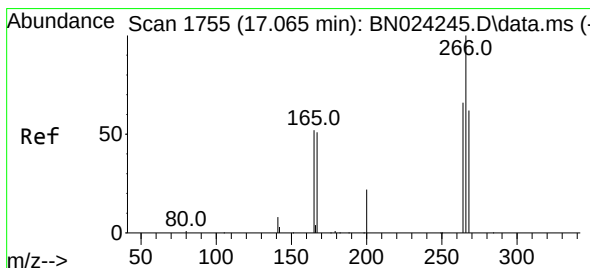
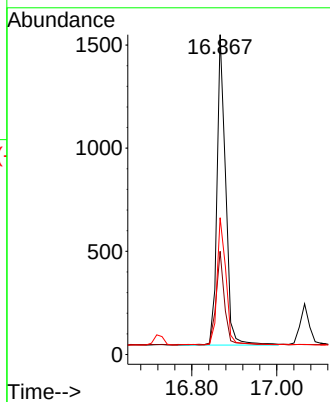
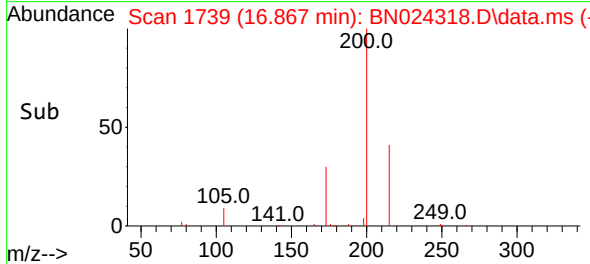
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion: 200 Resp: 211  
Ion Ratio Lower Upper  
200 100  
173 32.3 18.9 28.3  
215 42.8 36.7 55.1

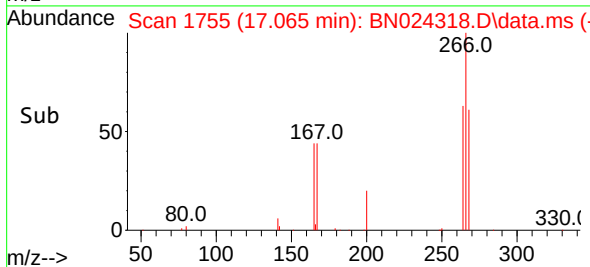
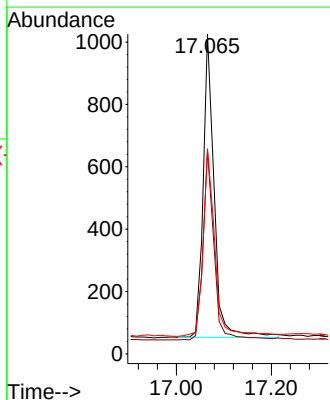
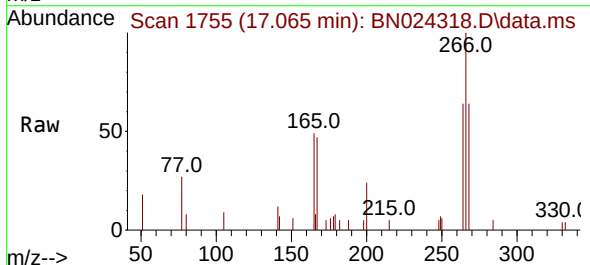
Manual Integrations  
APPROVED

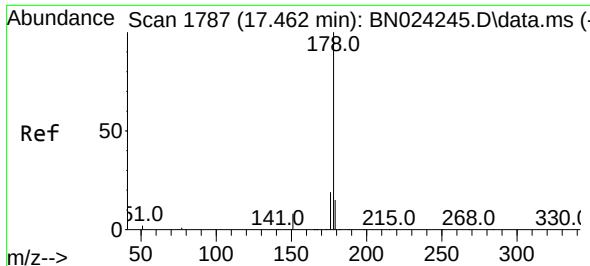
Reviewed By : Christian Giraldo 03/17/2023  
Supervised By : Jagrut Upadhyay 03/17/2023



#24  
Pentachlorophenol  
Concen: 0.342 ng  
RT: 17.065 min Scan# 1755  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

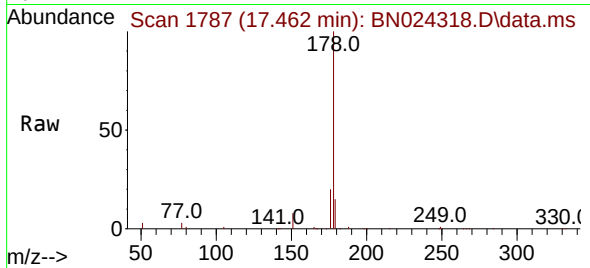
Tgt Ion: 266 Resp: 1571  
Ion Ratio Lower Upper  
266 100  
264 62.3 51.1 76.7  
268 65.8 52.2 78.4





#25  
Phenanthrene  
Concen: 0.405 ng  
RT: 17.462 min Scan# 1787  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

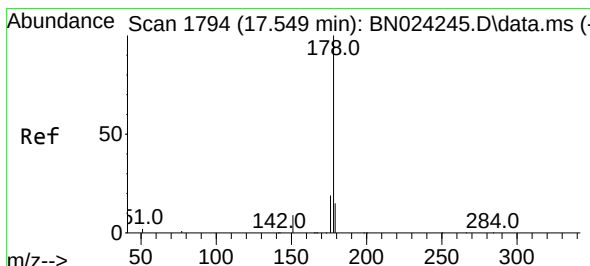
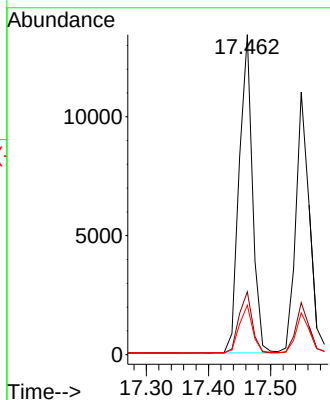
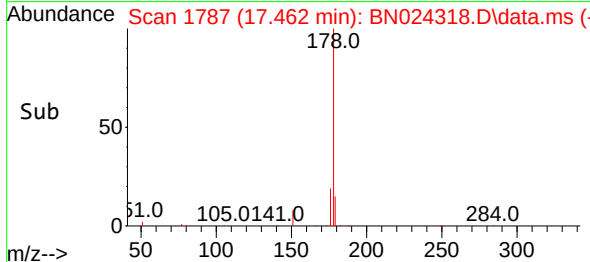
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



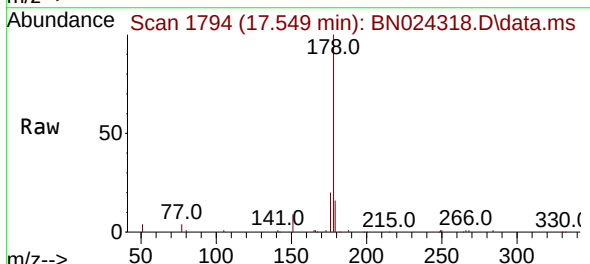
Tgt Ion:178 Resp: 1993  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 15.1 12.2 18.2

Manual Integrations  
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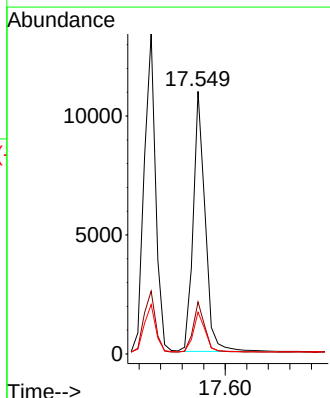
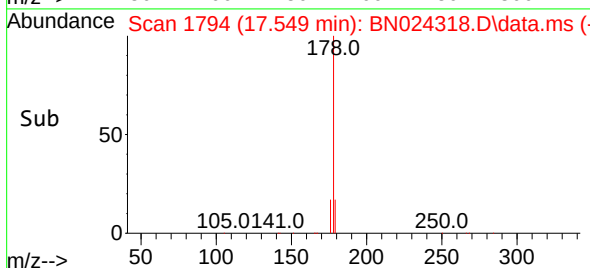
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

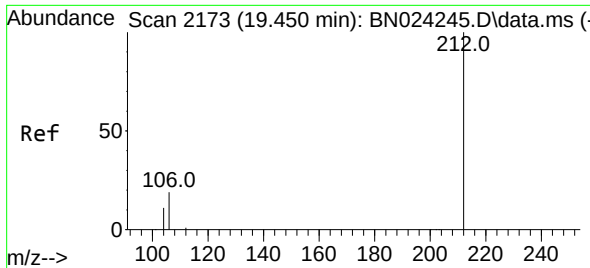


#26  
Anthracene  
Concen: 0.371 ng  
RT: 17.549 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



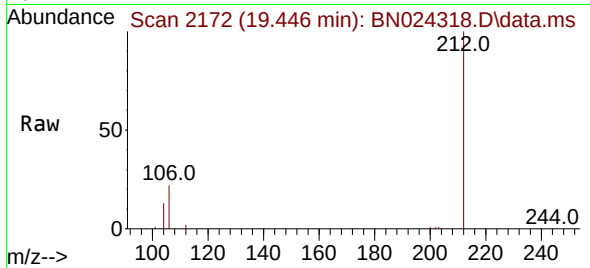
Tgt Ion:178 Resp: 16832  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.1 22.7  
179 15.4 12.1 18.1





#27  
Fluoranthene-d10  
Concen: 0.372 ng  
RT: 19.446 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

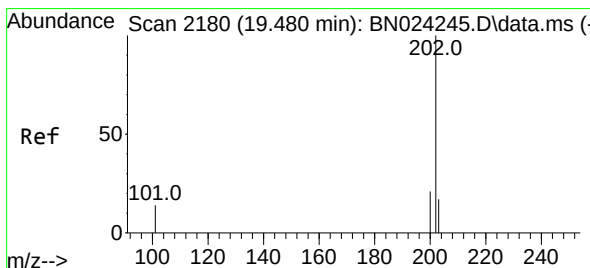
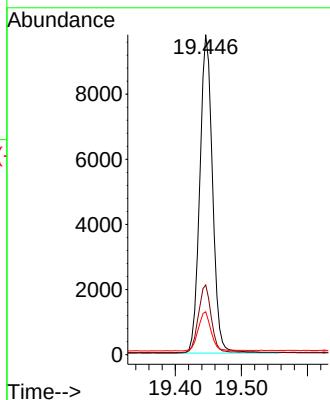
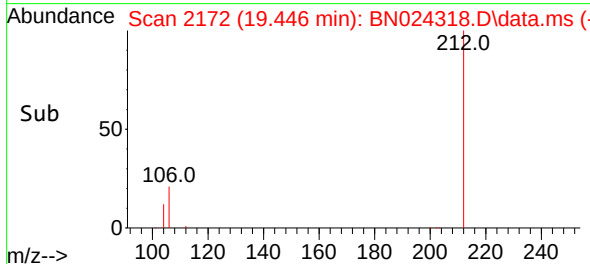
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion:212 Resp: 13110  
Ion Ratio Lower Upper  
212 100  
106 21.6 15.4 23.2  
104 12.2 8.6 13.0

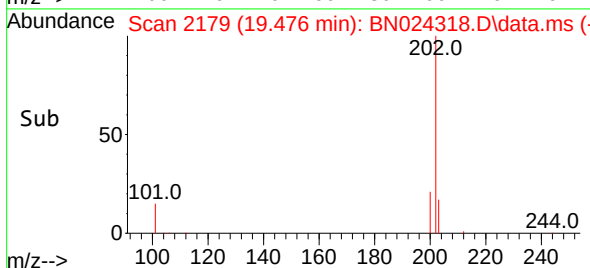
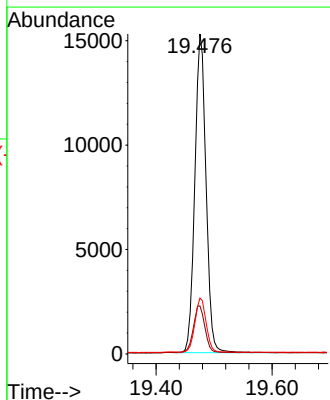
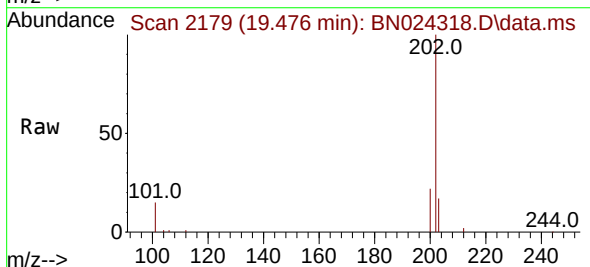
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

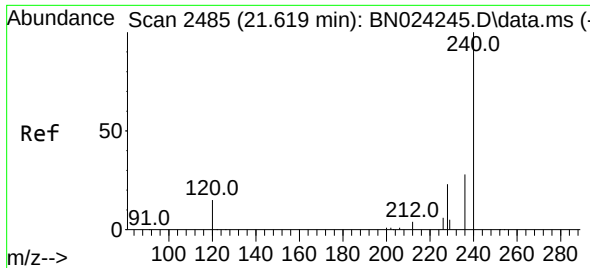


#28  
Fluoranthene  
Concen: 0.378 ng  
RT: 19.476 min Scan# 2179  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Tgt Ion:202 Resp: 20362  
Ion Ratio Lower Upper  
202 100  
101 15.4 11.3 16.9  
203 17.1 13.6 20.4

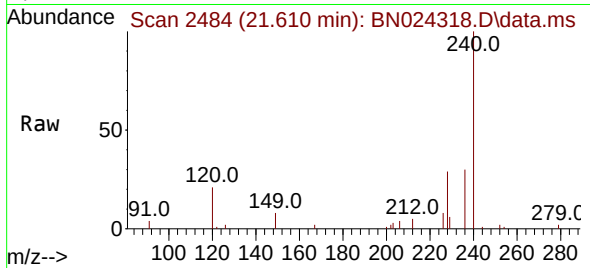






#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.610 min Scan# 2484  
Delta R.T. 0.009 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

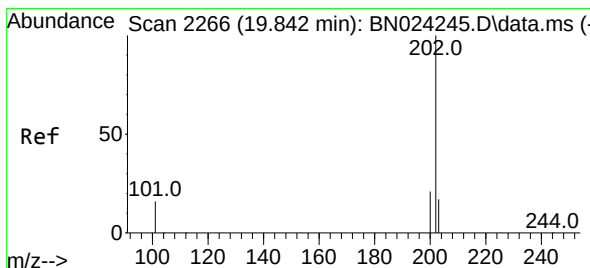
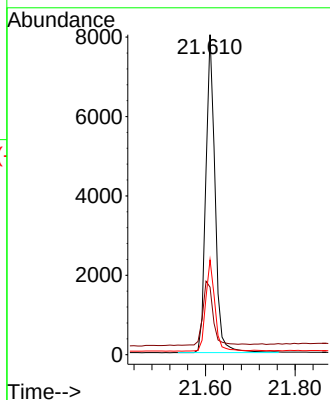
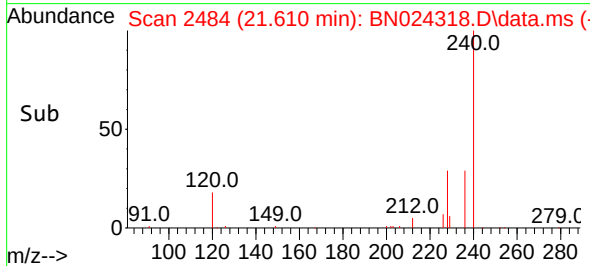
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



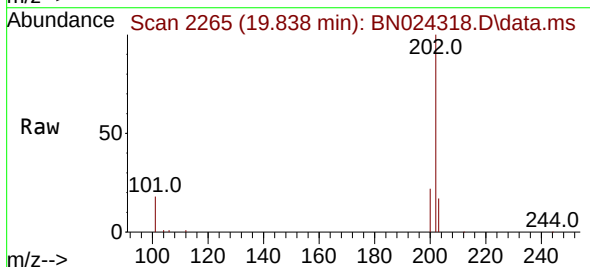
Tgt Ion:240 Resp: 11498  
Ion Ratio Lower Upper  
240 100  
120 21.1 12.8 19.25  
236 29.6 22.5 33.7

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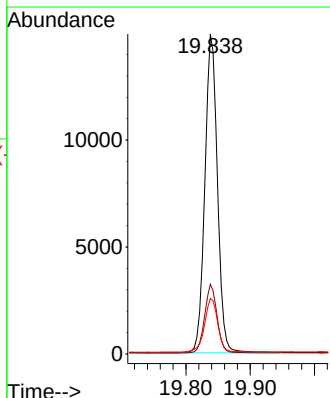
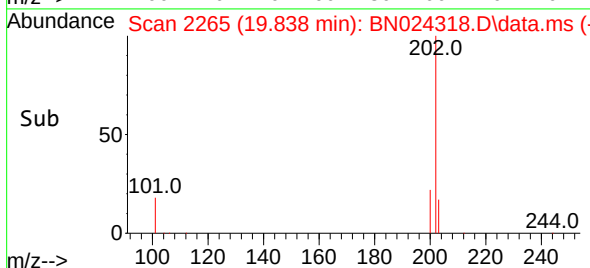
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

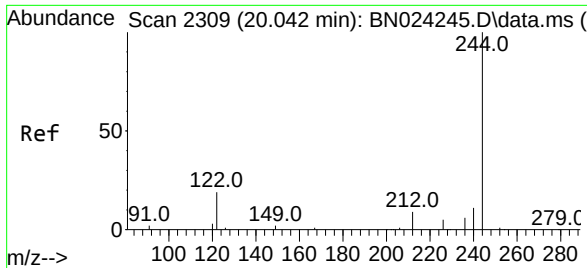


#30  
Pyrene  
Concen: 0.437 ng  
RT: 19.838 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



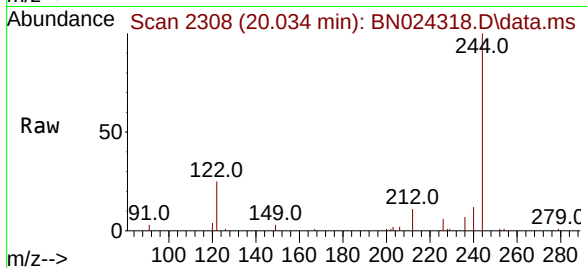
Tgt Ion:202 Resp: 20368  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.4  
203 17.7 14.2 21.2





#31  
Terphenyl-d14  
Concen: 0.397 ng  
RT: 20.034 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

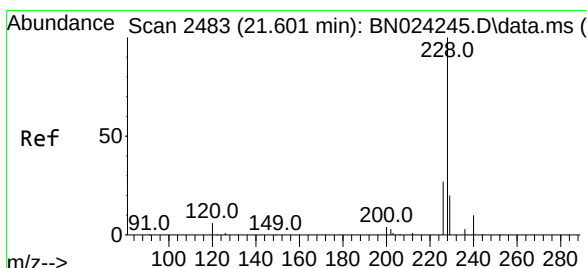
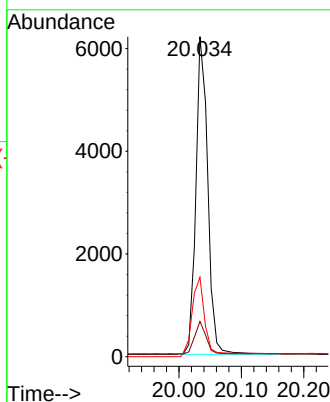
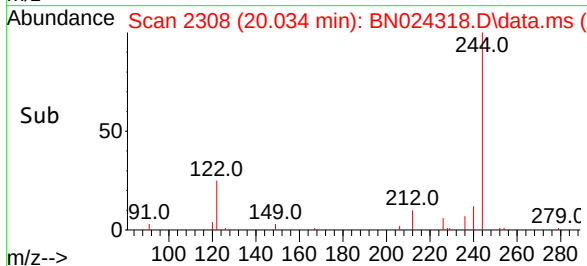
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



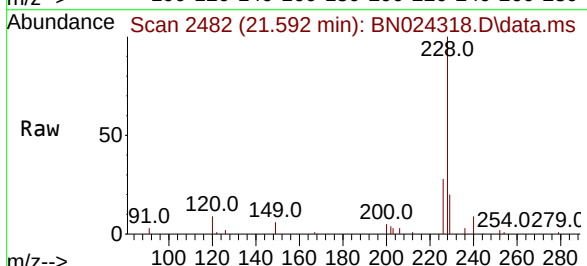
Tgt Ion:244 Resp: 7704  
Ion Ratio Lower Upper  
244 100  
212 11.0 7.6 11.4  
122 24.8 15.1 22.7

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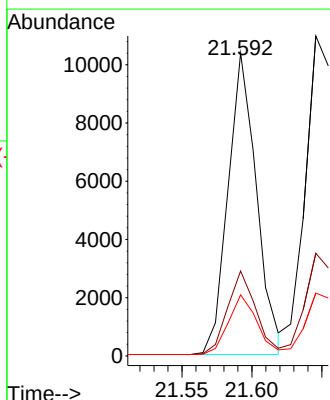
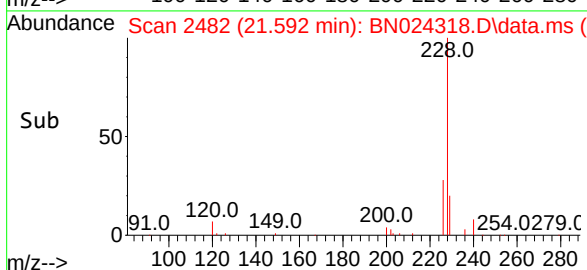
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

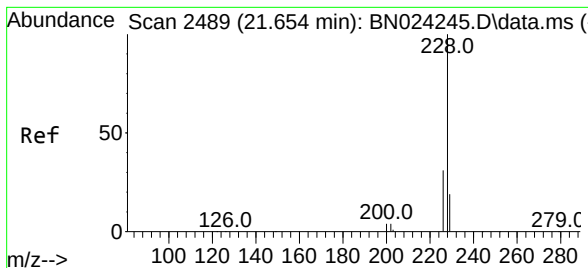


#32  
Benzo(a)anthracene  
Concen: 0.383 ng  
RT: 21.592 min Scan# 2482  
Delta R.T. 0.009 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion:228 Resp: 14685  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.2 33.2  
229 20.2 15.9 23.9





#33

Chrysene

Concen: 0.425 ng

RT: 21.646 min Scan# 2488

Delta R.T. 0.000 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

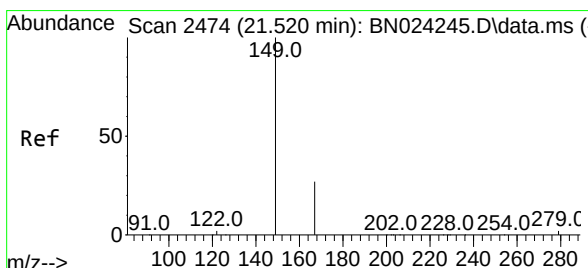
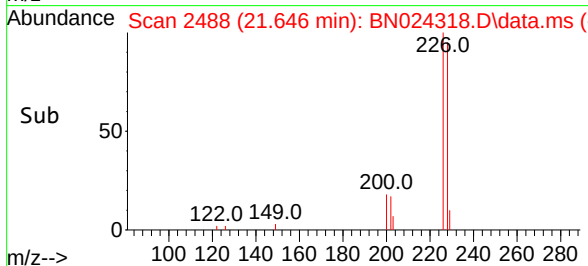
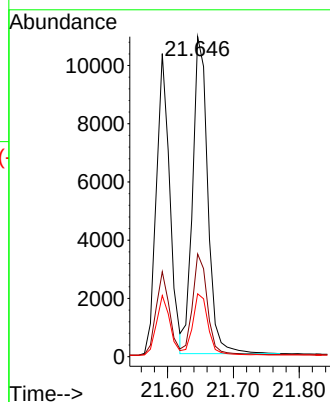
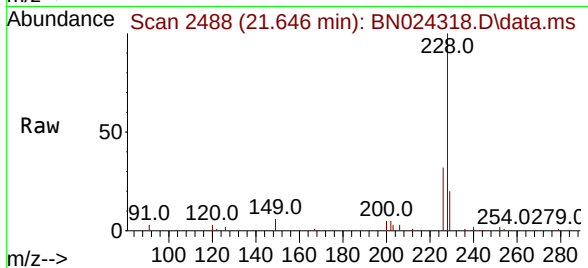
PB151326BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 1740 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 32.1  | 24.5  | 36.7 |
| 229       | 19.7  | 15.5  | 23.3 |

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.406 ng

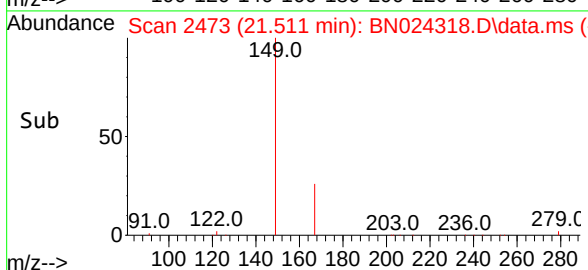
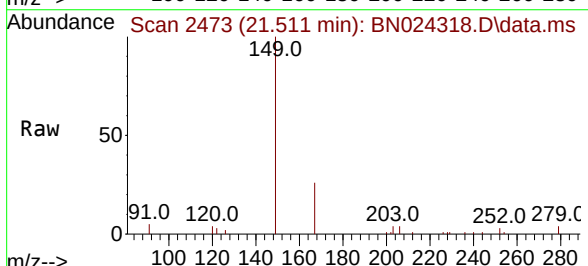
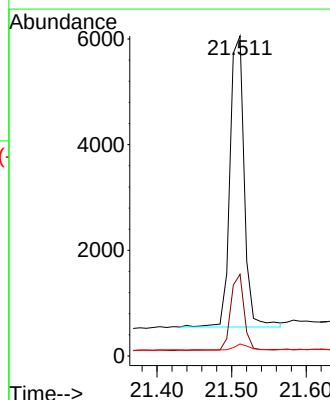
RT: 21.511 min Scan# 2473

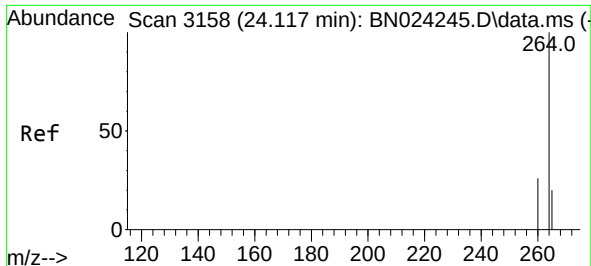
Delta R.T. 0.009 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

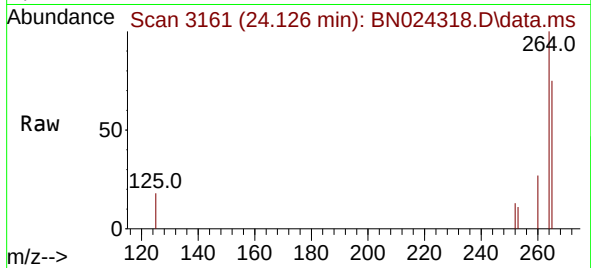
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 7345 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 24.4  | 21.2  | 31.8 |
| 279       | 2.1   | 1.8   | 2.8  |





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.126 min Scan# 3158  
Delta R.T. 0.012 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

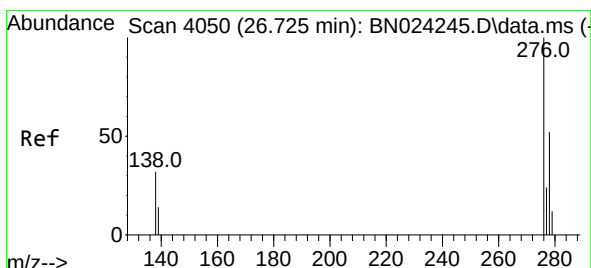
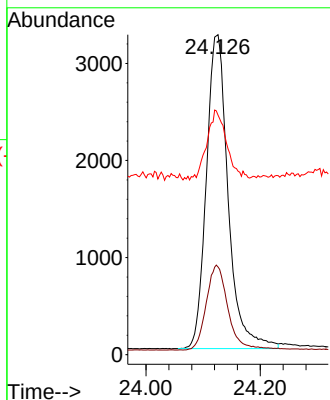
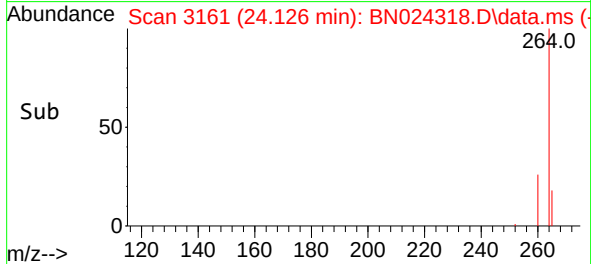
Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion:264 Resp: 858  
Ion Ratio Lower Upper  
264 100  
260 27.4 21.4 32.2  
265 74.8 35.7 53.5

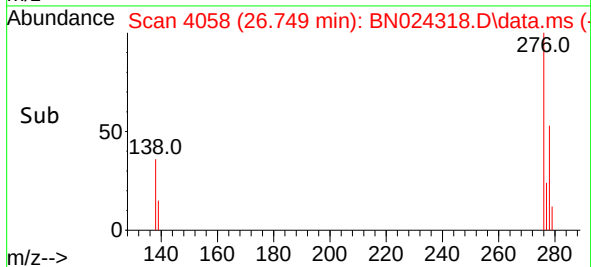
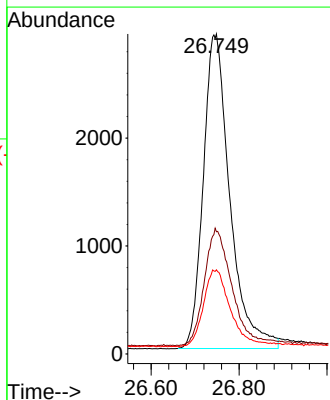
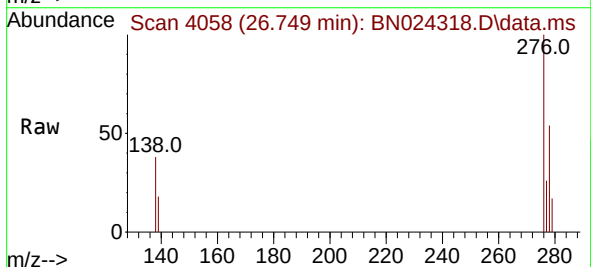
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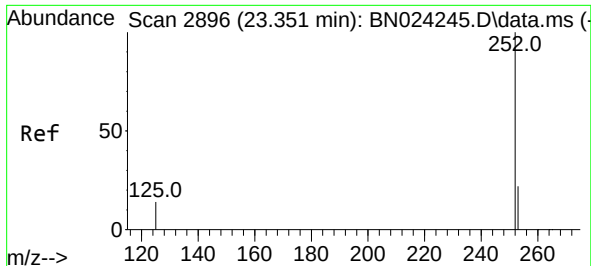
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.381 ng  
RT: 26.749 min Scan# 4058  
Delta R.T. 0.009 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Tgt Ion:276 Resp: 12253  
Ion Ratio Lower Upper  
276 100  
138 37.5 27.4 41.2  
277 11.2 19.8 29.6





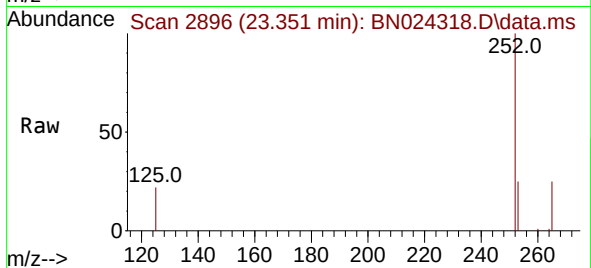
#37  
Benzo(b)fluoranthene  
Concen: 0.411 ng  
RT: 23.351 min Scan# 2896  
Delta R.T. 0.009 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

PB151326BS

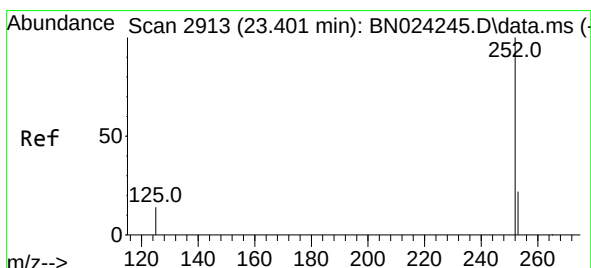
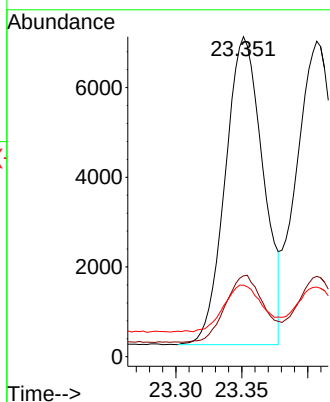
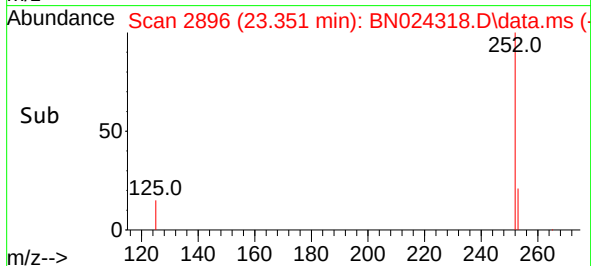


Tgt Ion:252 Resp: 13712  
Ion Ratio Lower Upper  
252 100  
253 25.2 18.9 28.3  
125 22.4 13.8 20.6

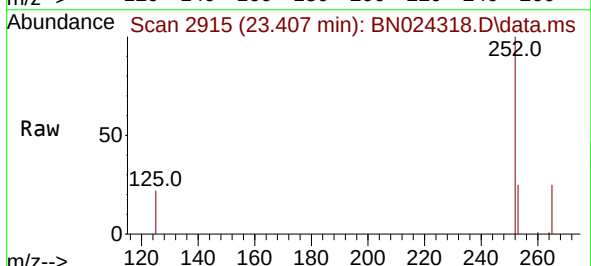
Manual Integrations

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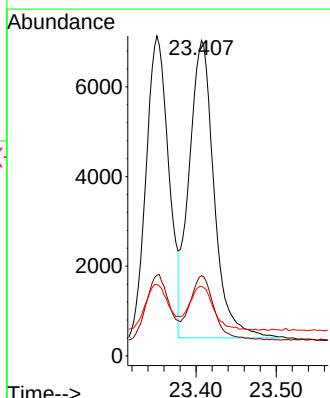
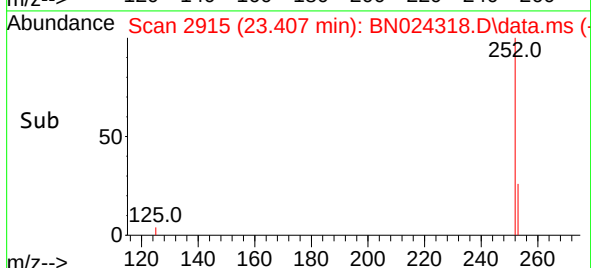
Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

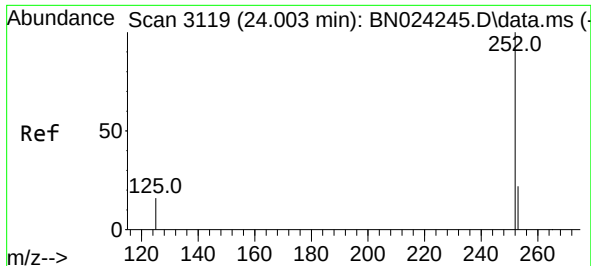


#38  
Benzo(k)fluoranthene  
Concen: 0.418 ng m  
RT: 23.407 min Scan# 2915  
Delta R.T. 0.012 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22



Tgt Ion:252 Resp: 14397  
Ion Ratio Lower Upper  
252 100  
253 25.4 19.0 28.6  
125 22.1 13.5 20.3





#39

Benzo(a)pyrene

Concen: 0.388 ng

RT: 24.006 min Scan# 3119

Delta R.T. 0.009 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

Instrument :

BNA\_N

ClientSampleId :

PB151326BS

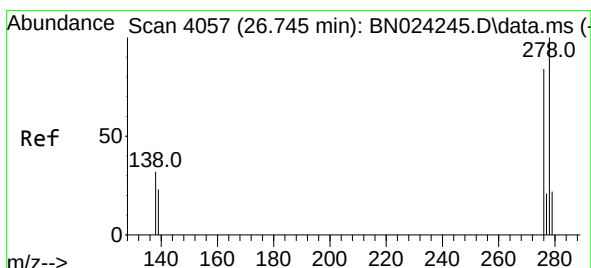
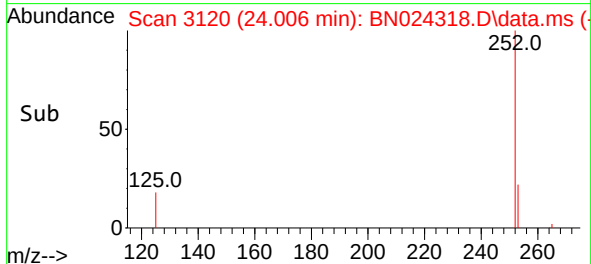
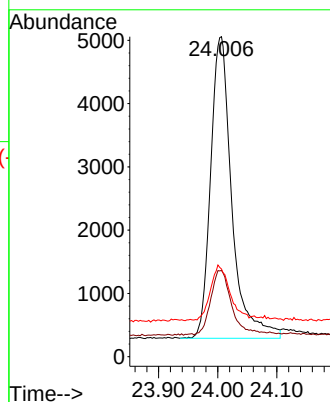
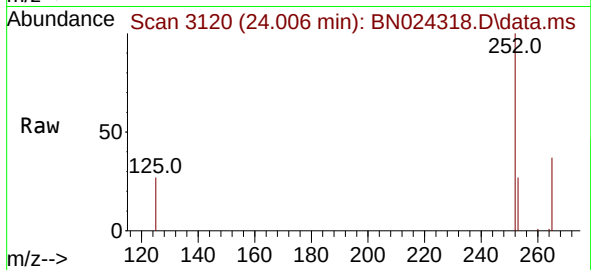
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 1189      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 26.9  | 19.5 29.3 |
| 125         | 27.4  | 16.2 24.4 |

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2023

Supervised By :Jagrut Upadhyay 03/17/2023



#40

Dibenzo(a,h)anthracene

Concen: 0.361 ng

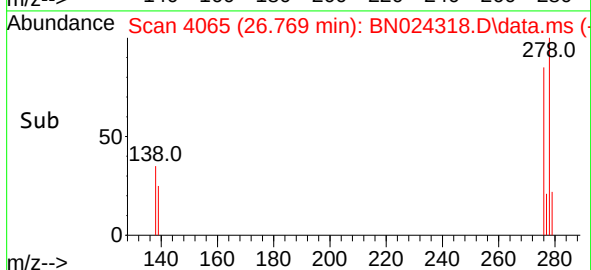
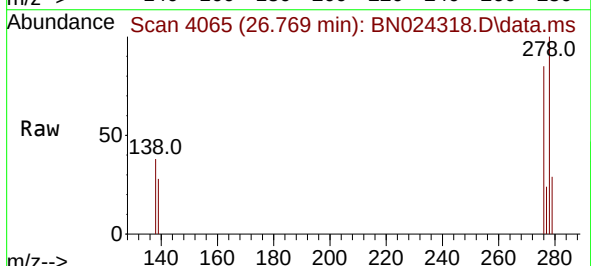
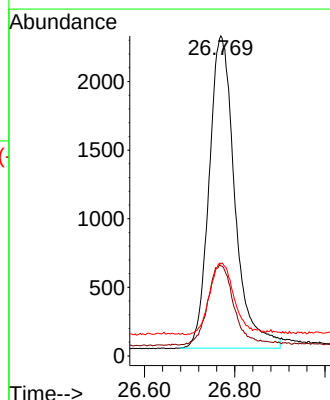
RT: 26.769 min Scan# 4065

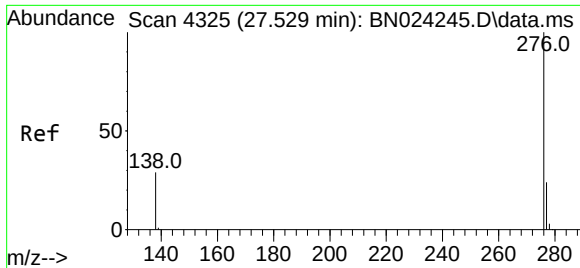
Delta R.T. 0.009 min

Lab File: BN024318.D

Acq: 16 Mar 2023 19:22

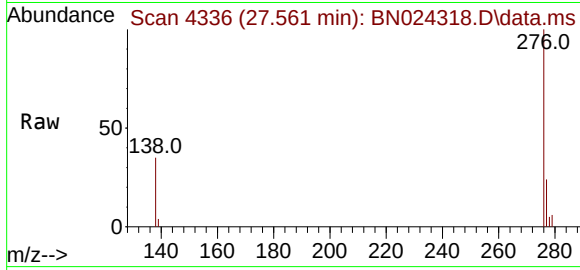
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:278 | Resp: | 8994      |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 28.1  | 19.4 29.0 |
| 279         | 28.7  | 20.7 31.1 |





#41  
Benzo(g,h,i)perylene  
Concen: 0.413 ng  
RT: 27.561 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: BN024318.D  
Acq: 16 Mar 2023 19:22

Instrument :  
BNA\_N  
ClientSampleId :  
PB151326BS



Tgt Ion:276 Resp: 1198  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.9 29.9  
138 35.1 24.5 36.7

Manual Integrations  
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Reviewed By :Christian Giraldo 03/17/2023  
Supervised By :Jagrut Upadhyay 03/17/2023

