

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051322\  
 Data File : BN019769.D  
 Acq On : 13 May 2022 15:05  
 Operator : CG/JU  
 Sample : PB144707BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB144707BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/16/2022  
 Supervised By : Jagrut Upadhyay 05/16/2022

Quant Time: May 13 23:59:21 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN051322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 02:41:37 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.855  | 152  | 3600     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 10854    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.474 | 164  | 6437     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.215 | 188  | 14621    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.396 | 240  | 13972    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.741 | 264  | 13596    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.435  | 112  | 3303     | 0.367 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.017  | 99   | 3988     | 0.353 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.004  | 82   | 2862     | 0.349 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.231 | 152  | 6740     | 0.357 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.954 | 330  | 815      | 0.320 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.105 | 172  | 10320    | 0.367 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.244 | 212  | 15865    | 0.382 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.843 | 244  | 11695    | 0.355 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.355  | 88   | 1606     | 0.376 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.673  | 42   | 1556     | 0.333 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether    | 7.277  | 93   | 3922     | 0.357 | ng    | 99       |
| 9) Naphthalene                | 10.690 | 128  | 11954    | 0.363 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 2196     | 0.366 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.303 | 142  | 8087     | 0.360 | ng    | 98       |
| 16) Acenaphthylene            | 14.196 | 152  | 10432m   | 0.345 | ng    |          |
| 17) Acenaphthene              | 14.538 | 154  | 8014     | 0.359 | ng    | 98       |
| 18) Fluorene                  | 15.522 | 166  | 10185    | 0.361 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.596 | 198  | 756      | 0.360 | ng    | # 87     |
| 21) 4-Bromophenyl-phenylether | 16.405 | 248  | 3154     | 0.353 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.528 | 284  | 3757     | 0.379 | ng    | 99       |
| 23) Atrazine                  | 16.672 | 200  | 2033     | 0.349 | ng    | 98       |
| 24) Pentachlorophenol         | 16.867 | 266  | 1537     | 0.402 | ng    | 96       |
| 25) Phenanthrene              | 17.256 | 178  | 18499    | 0.365 | ng    | 100      |
| 26) Anthracene                | 17.338 | 178  | 14895    | 0.348 | ng    | 99       |
| 28) Fluoranthene              | 19.274 | 202  | 20274    | 0.374 | ng    | 99       |
| 30) Pyrene                    | 19.632 | 202  | 21162    | 0.357 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.387 | 228  | 18713    | 0.368 | ng    | 99       |
| 33) Chrysene                  | 21.431 | 228  | 21245    | 0.372 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.324 | 149  | 7906     | 0.373 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.138 | 276  | 24541    | 0.385 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.030 | 252  | 20089    | 0.339 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.074 | 252  | 22353m   | 0.355 | ng    |          |
| 39) Benzo(a)pyrene            | 23.633 | 252  | 16132    | 0.345 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.156 | 278  | 19891    | 0.388 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.875 | 276  | 19863    | 0.376 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

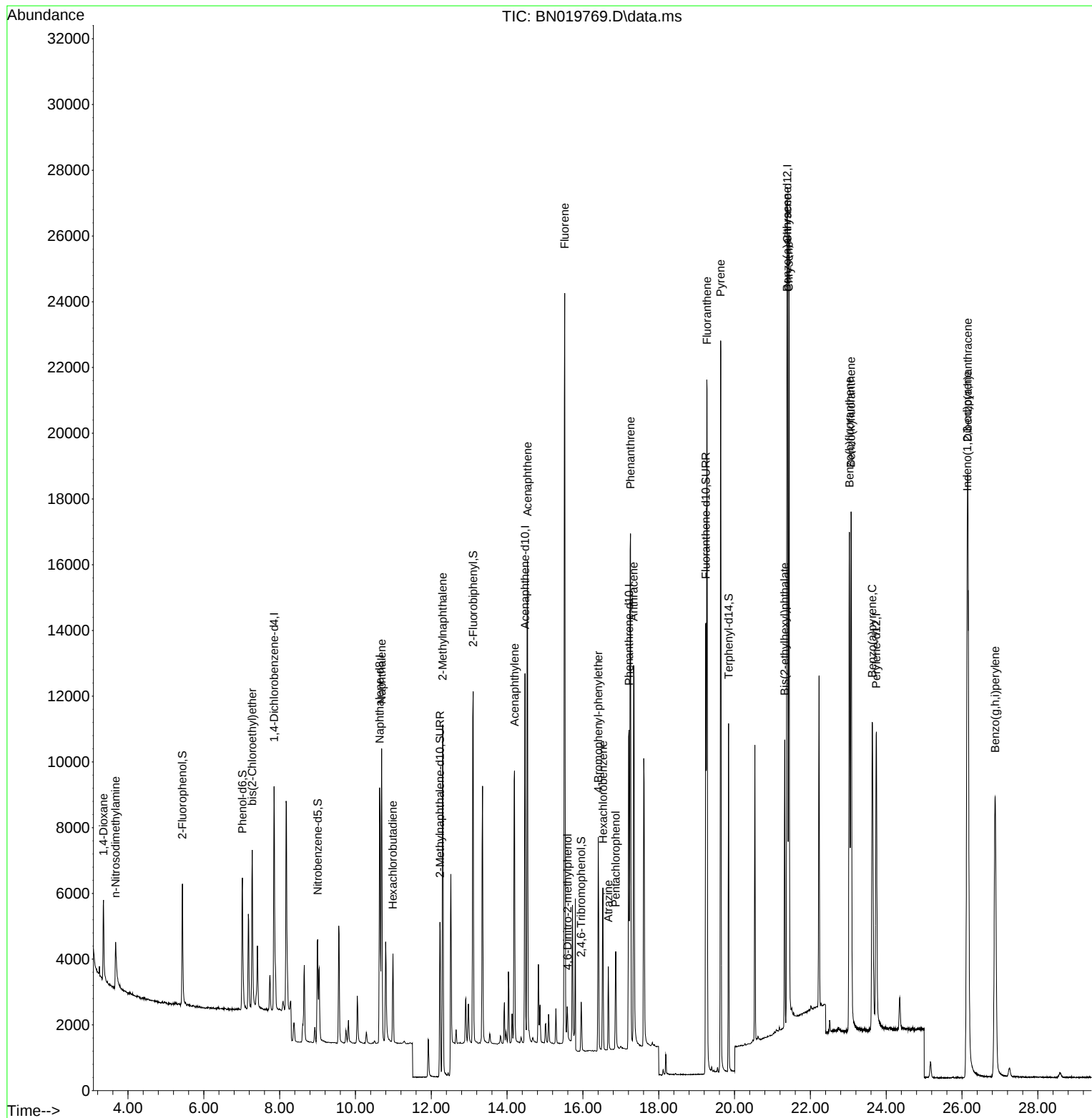
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051322\  
 Data File : BN019769.D  
 Acq On : 13 May 2022 15:05  
 Operator : CG/JU  
 Sample : PB144707BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB144707BS

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/16/2022  
 Supervised By : Jagrut Upadhyay 05/16/2022

Quant Time: May 13 23:59:21 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN051322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 02:41:37 2022  
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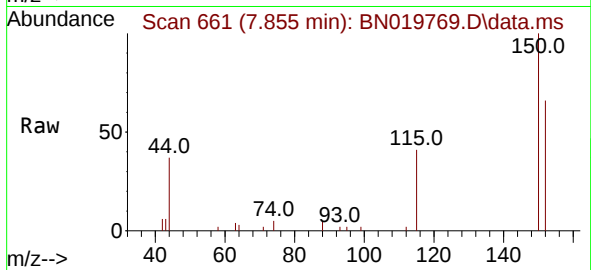
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1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.855 min Scan# 661  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

PB144707BS

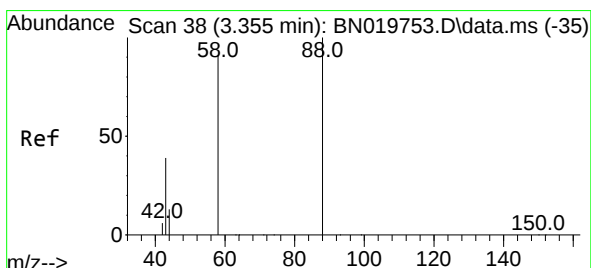
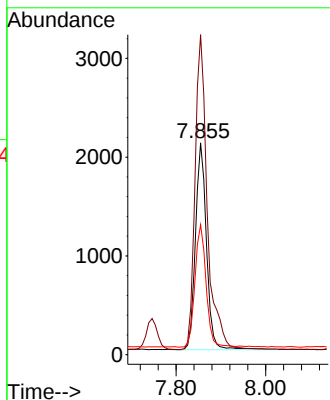
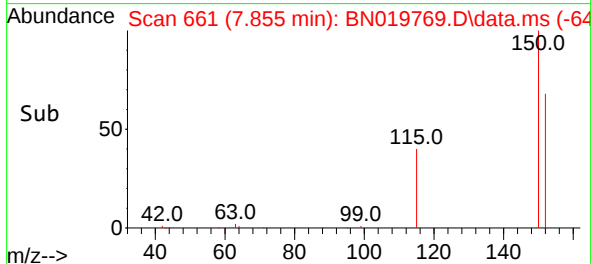


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Ion Ratio Lower Upper  
152 100  
150 151.0 127.9 191.9  
115 61.3 51.4 77.2

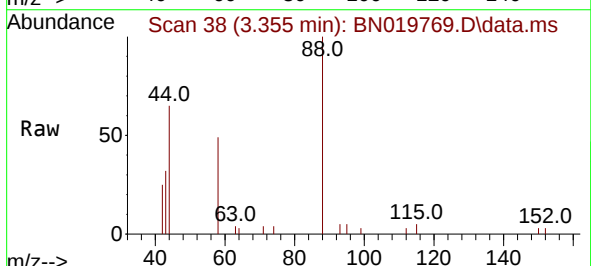
Manual Integrations

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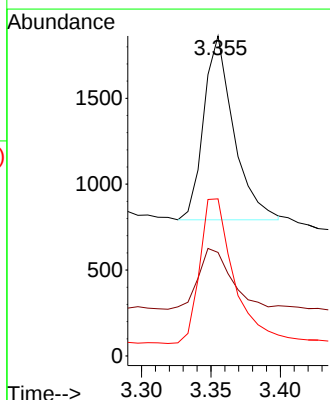
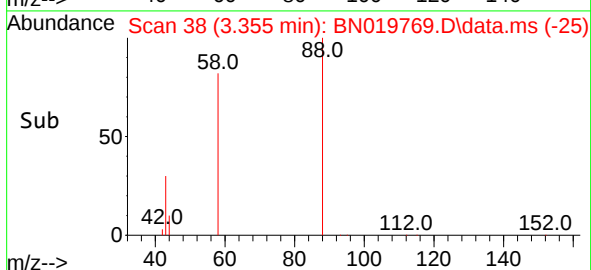
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#2  
1,4-Dioxane  
Concen: 0.376 ng  
RT: 3.355 min Scan# 38  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



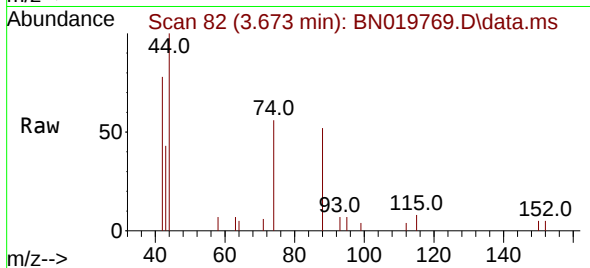
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Ion Ratio Lower Upper  
88 100  
43 36.5 30.2 45.2  
58 89.6 73.0 109.6





#3  
n-Nitrosodimethylamine  
Concen: 0.333 ng  
RT: 3.673 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

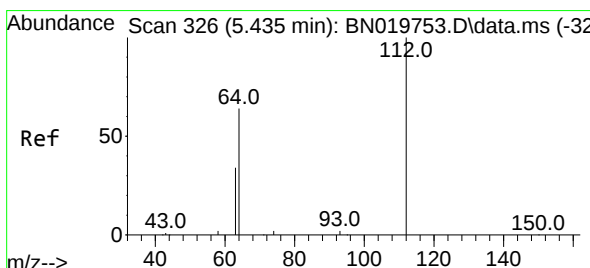
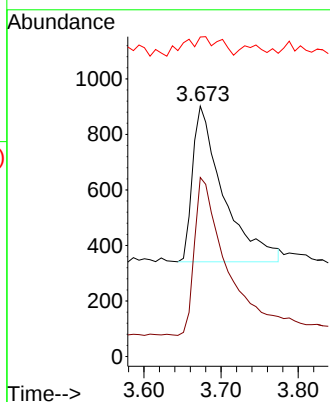
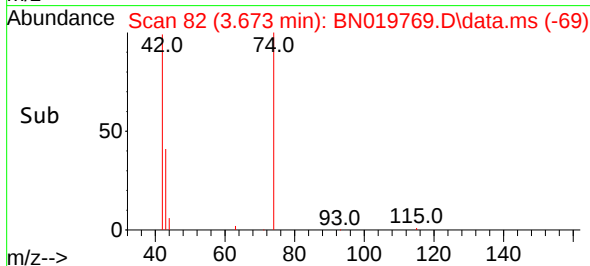
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



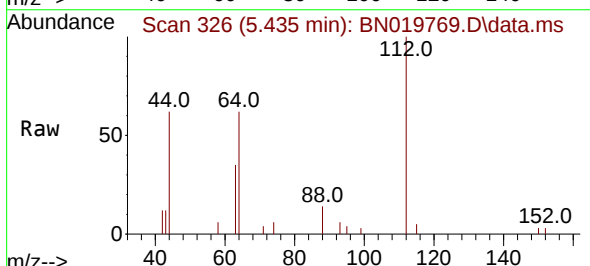
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Ion Ratio Lower Upper  
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44 14.5 9.8 14.8

Manual Integrations  
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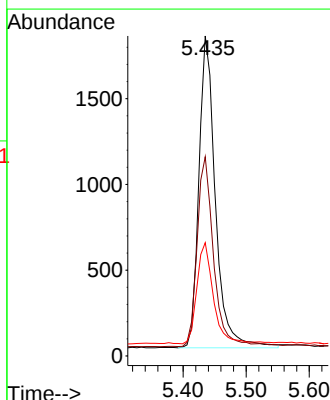
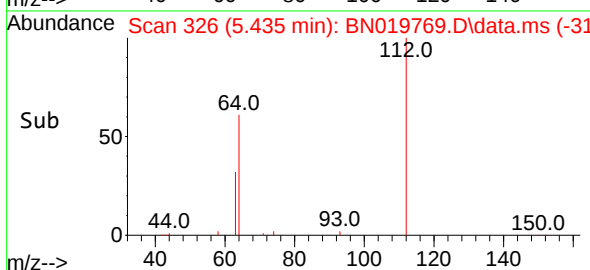
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022

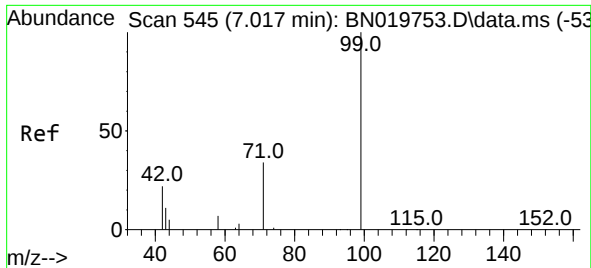


#4  
2-Fluorophenol  
Concen: 0.367 ng  
RT: 5.435 min Scan# 326  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



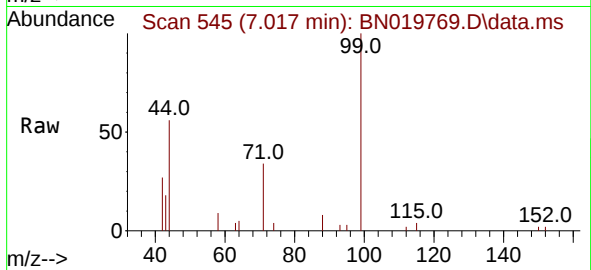
Tgt Ion: 112 Resp: 3303  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.1 73.7  
63 32.1 26.3 39.5





#5  
Phenol-d6  
Concen: 0.353 ng  
RT: 7.017 min Scan# 545  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

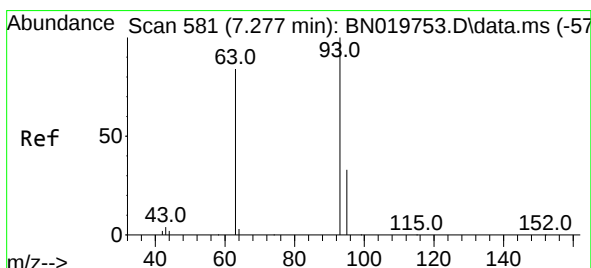
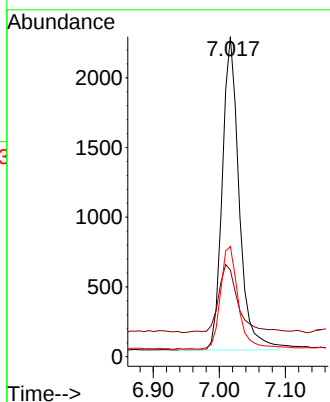
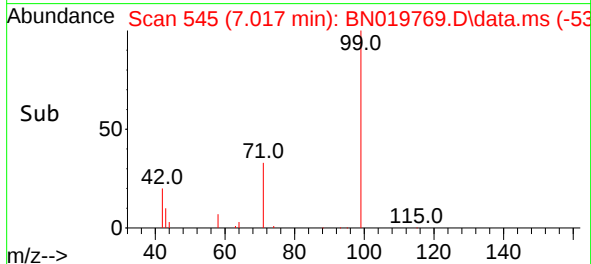
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



Tgt Ion: 99 Resp: 3988  
Ion Ratio Lower Upper  
99 100  
42 25.3 19.3 28.9  
71 34.7 27.5 41.3

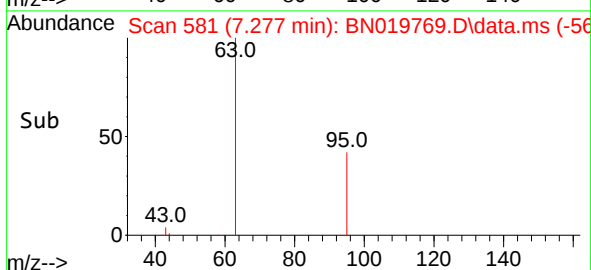
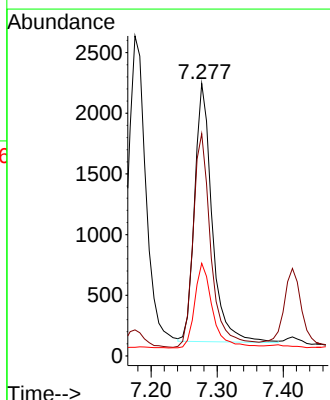
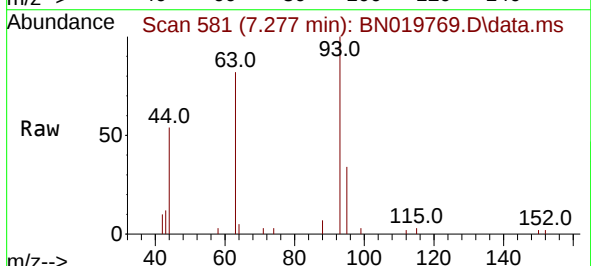
Manual Integrations  
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Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#6  
bis(2-Chloroethyl)ether  
Concen: 0.357 ng  
RT: 7.277 min Scan# 581  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion: 93 Resp: 3922  
Ion Ratio Lower Upper  
93 100  
63 85.1 67.4 101.0  
95 33.6 26.5 39.7





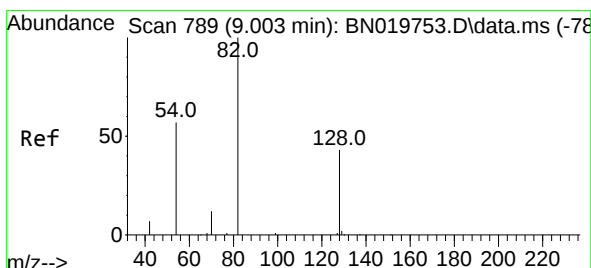
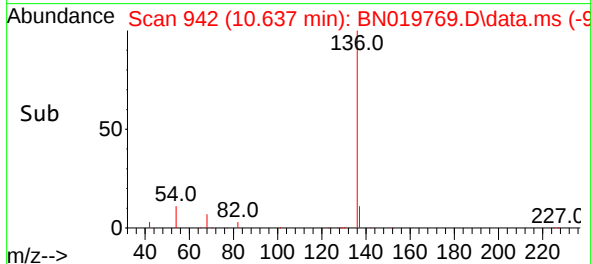
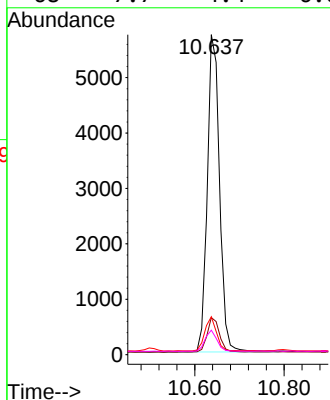
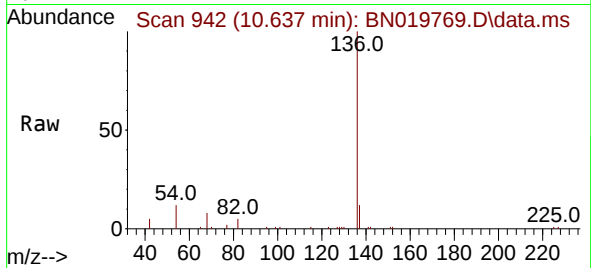
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 943  
Delta R.T. -0.011 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion: 136 Resp: 10854  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.6  
54 11.9 6.2 9.2  
68 7.7 4.4 6.6

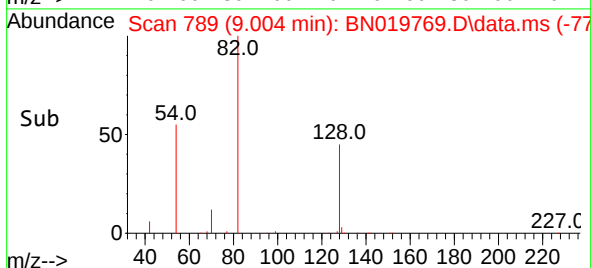
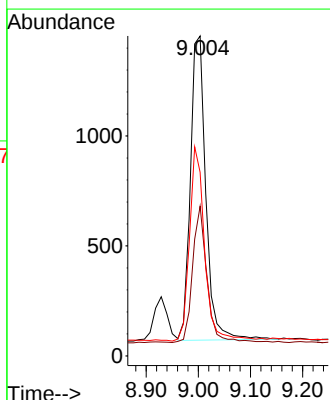
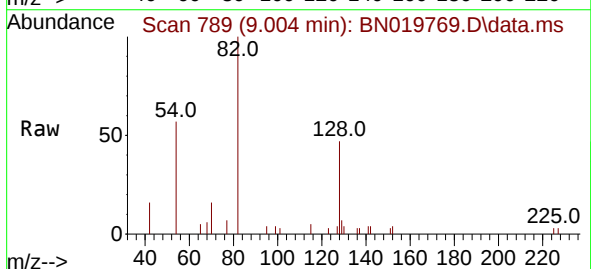
Manual Integrations  
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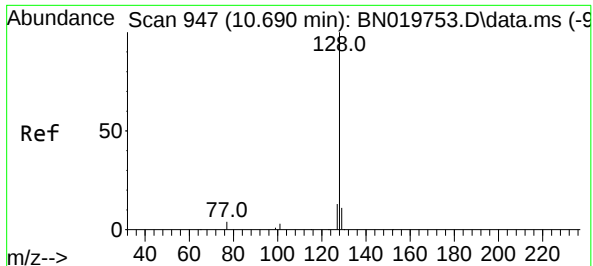
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#8  
Nitrobenzene-d5  
Concen: 0.349 ng  
RT: 9.004 min Scan# 789  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion: 82 Resp: 2862  
Ion Ratio Lower Upper  
82 100  
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54 57.4 46.2 69.4





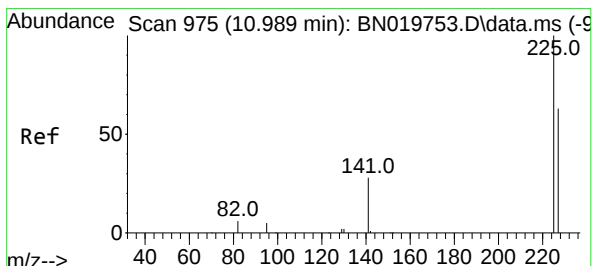
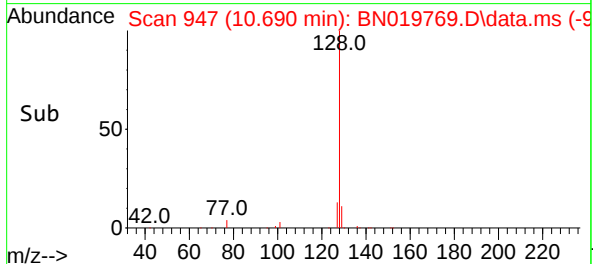
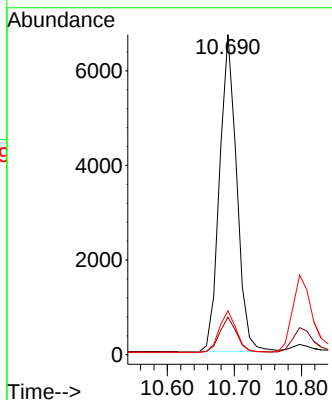
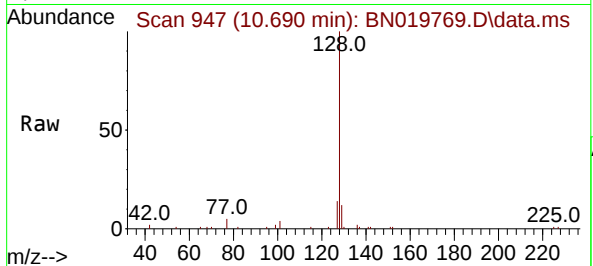
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Naphthalene  
Concen: 0.363 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.011 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion:128 Resp: 11954  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.9 13.3  
127 13.7 10.8 16.2

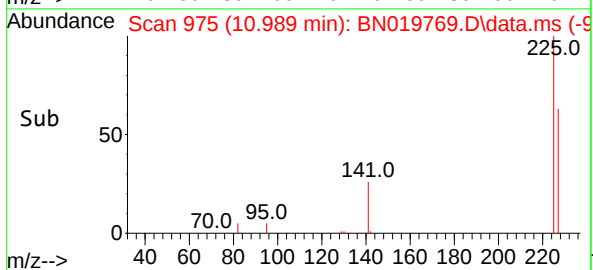
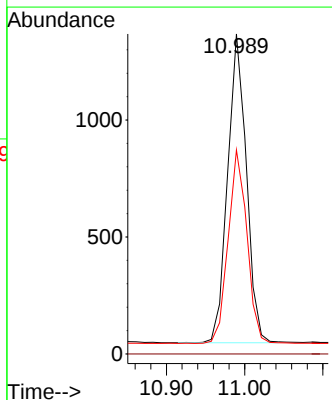
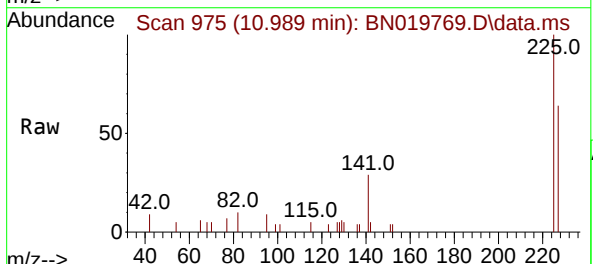
Manual Integrations  
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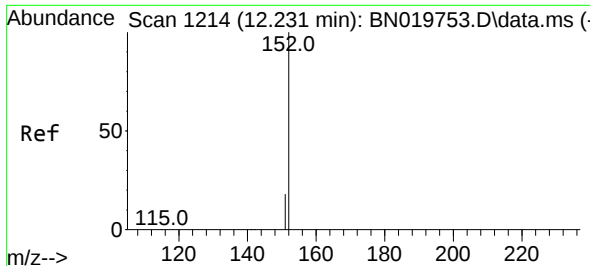
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#10  
Hexachlorobutadiene  
Concen: 0.366 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

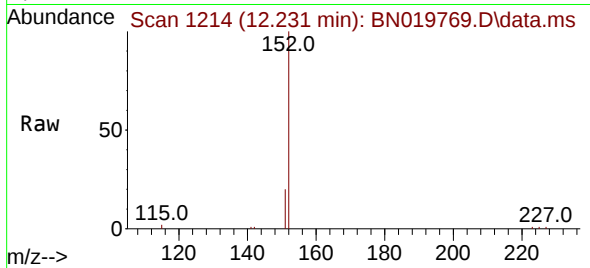
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Ion Ratio Lower Upper  
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223 0.0 0.0 0.0  
227 62.9 50.9 76.3





#11  
2-Methylnaphthalene-d10  
Concen: 0.357 ng  
RT: 12.231 min Scan# 1214  
Delta R.T. -0.004 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

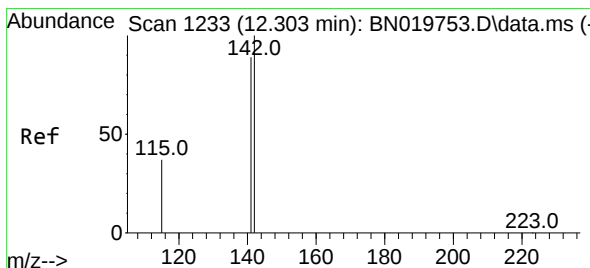
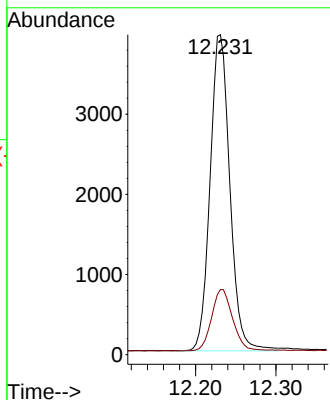
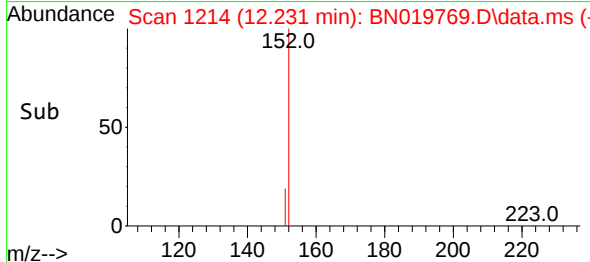
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



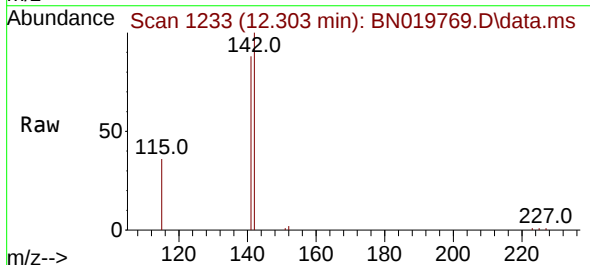
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Ion Ratio Lower Upper  
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Manual Integrations  
APPROVED

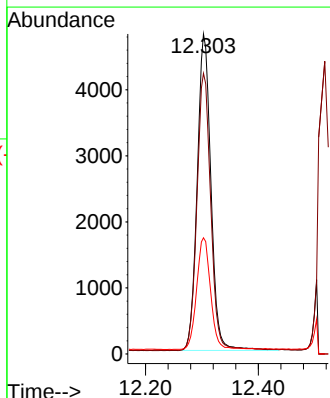
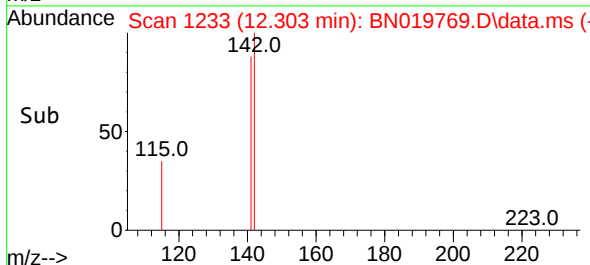
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#12  
2-Methylnaphthalene  
Concen: 0.360 ng  
RT: 12.303 min Scan# 1233  
Delta R.T. -0.007 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



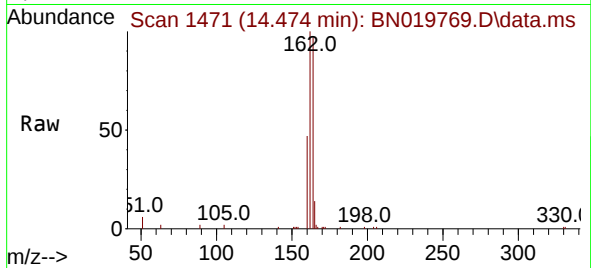
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115 36.3 29.8 44.8





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.474 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

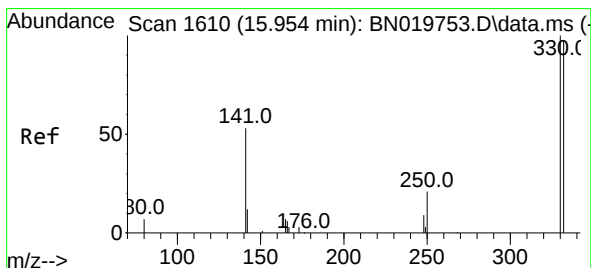
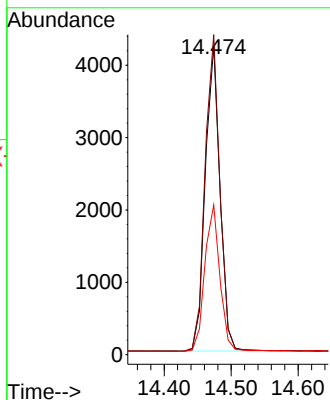
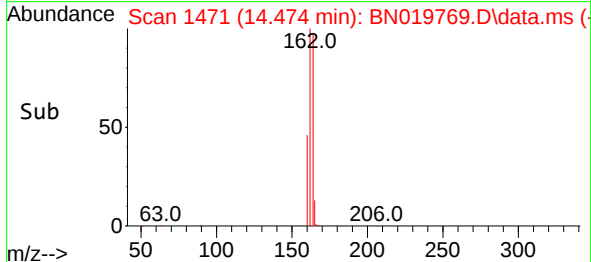
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



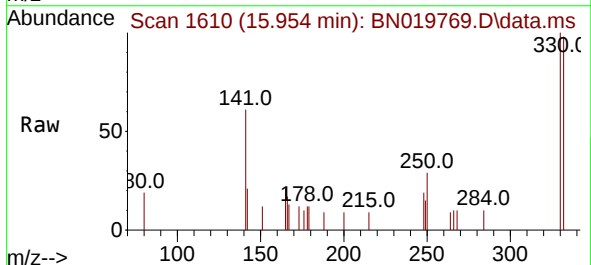
Tgt Ion:164 Resp: 643  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.1 123.1  
160 48.4 38.6 58.0

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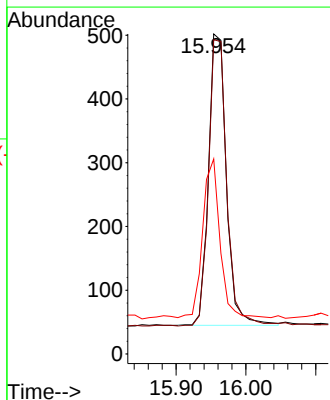
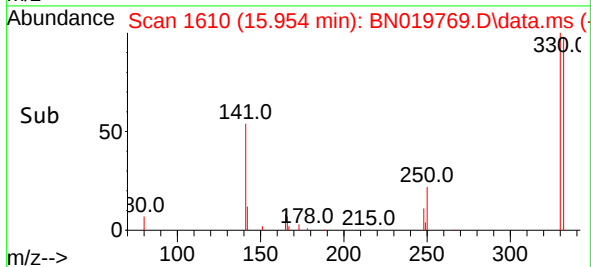
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022

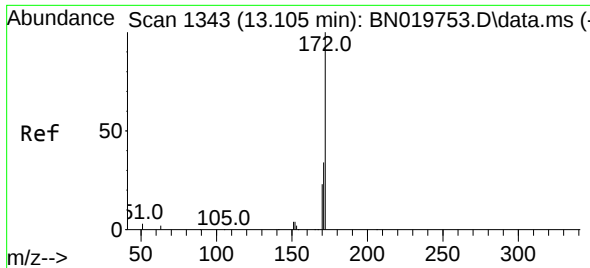


#14  
2,4,6-Tribromophenol  
Concen: 0.320 ng  
RT: 15.954 min Scan# 1610  
Delta R.T. -0.010 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



Tgt Ion:330 Resp: 815  
Ion Ratio Lower Upper  
330 100  
332 100.6 77.6 116.4  
141 51.8 41.0 61.4





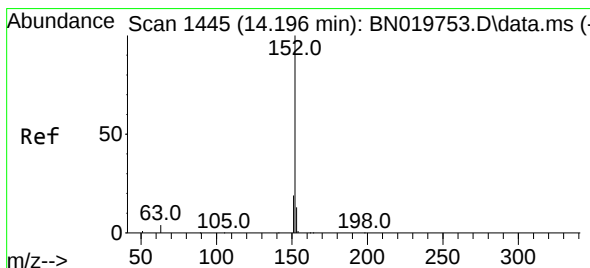
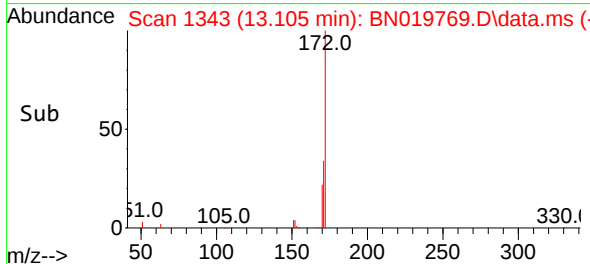
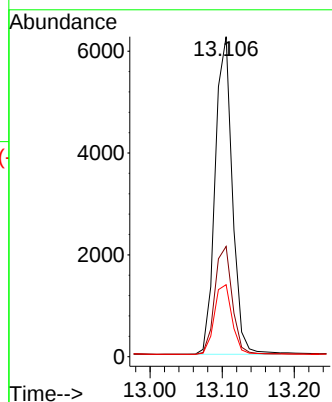
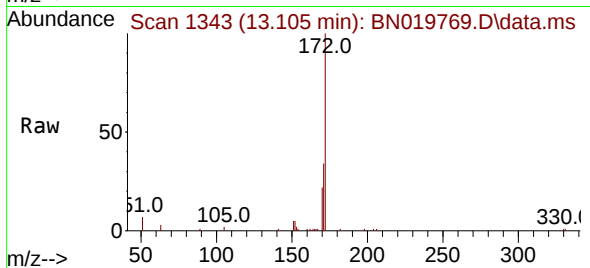
#15  
2-Fluorobiphenyl  
Concen: 0.367 ng  
RT: 13.105 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion:172 Resp: 10320  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.2 40.8  
170 22.5 18.2 27.4

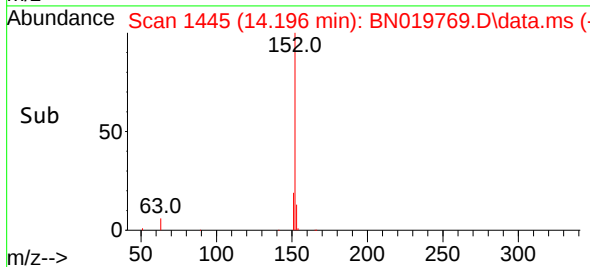
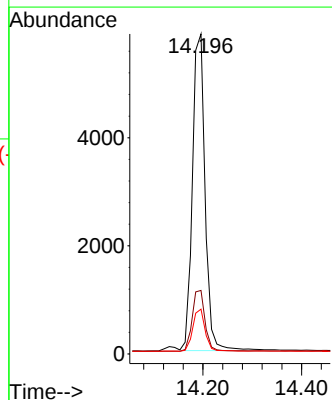
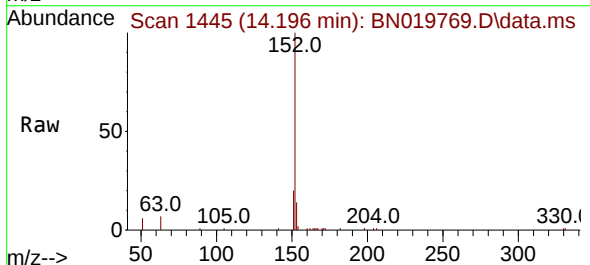
Manual Integrations  
APPROVED

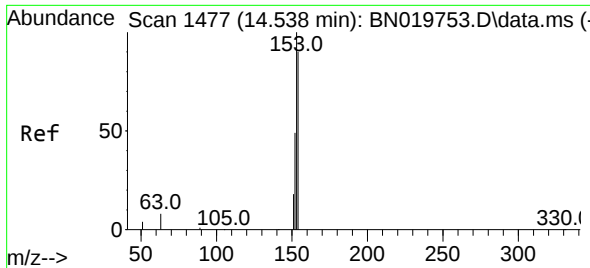
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#16  
Acenaphthylene  
Concen: 0.345 ng m  
RT: 14.196 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

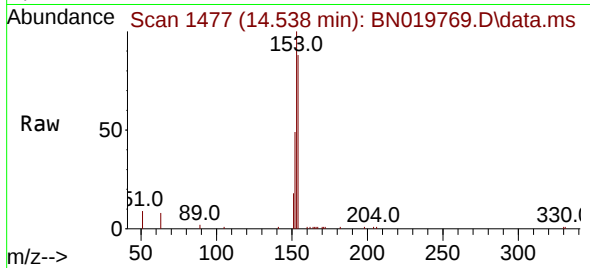
Tgt Ion:152 Resp: 10432  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.2 24.4  
153 13.2 10.7 16.1





#17  
Acenaphthene  
Concen: 0.359 ng  
RT: 14.538 min Scan# 1477  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

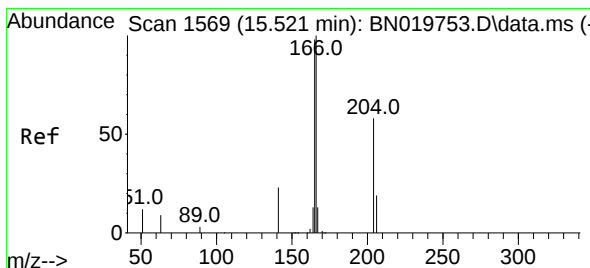
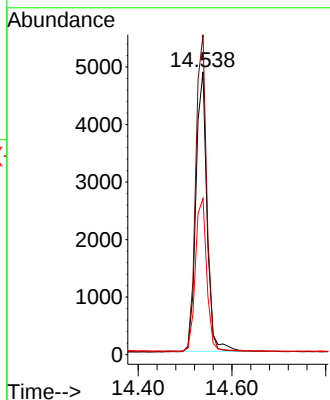
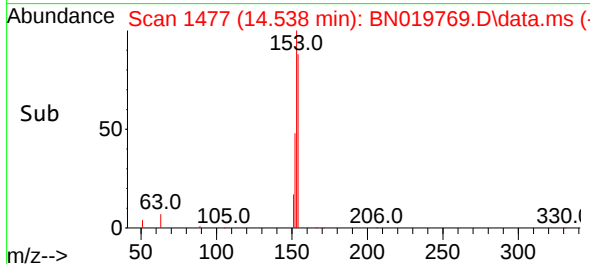
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



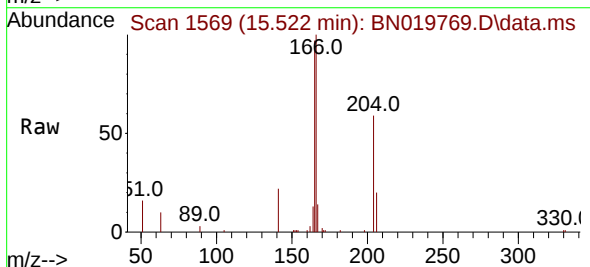
Tgt Ion:154 Resp: 8014  
Ion Ratio Lower Upper  
154 100  
153 112.0 87.5 131.3  
152 55.9 43.8 65.6

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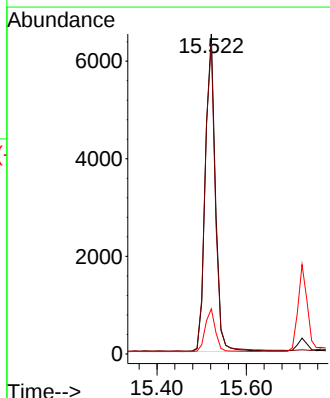
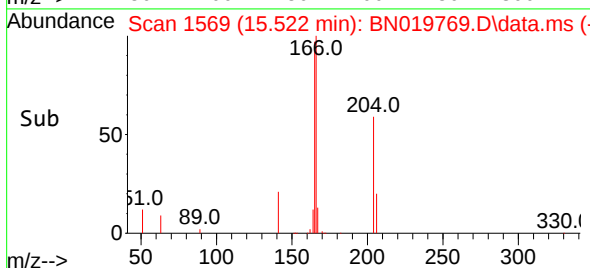
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022

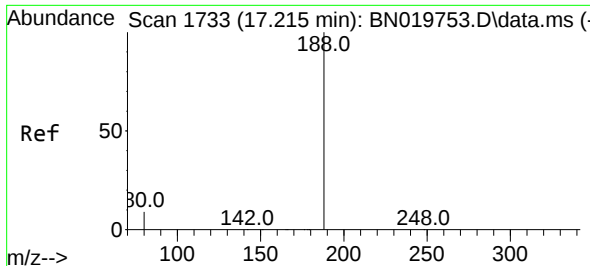


#18  
Fluorene  
Concen: 0.361 ng  
RT: 15.522 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



Tgt Ion:166 Resp: 10185  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.6 118.0  
167 13.6 10.8 16.2





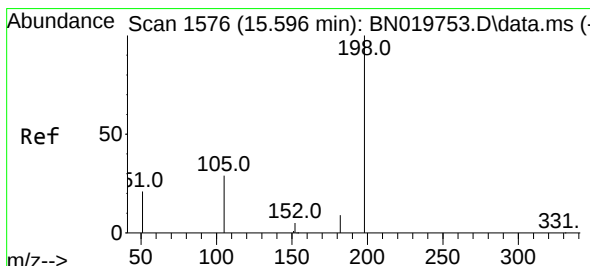
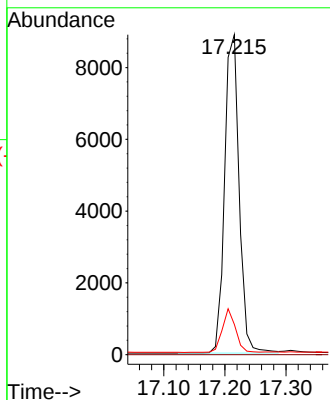
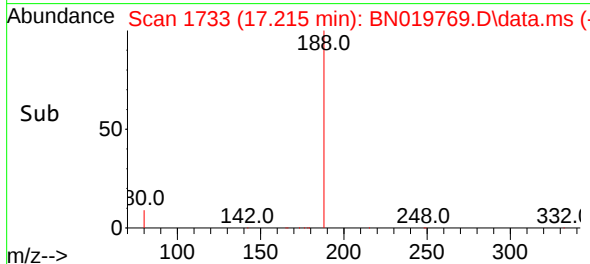
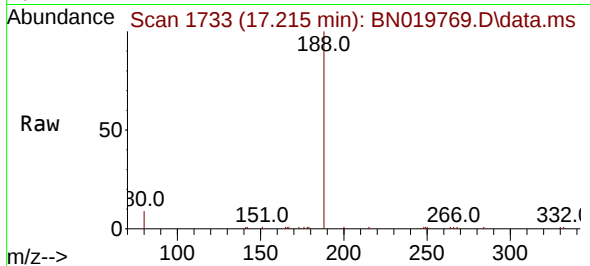
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.215 min Scan# 1733  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion:188 Resp: 1462  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 7.4 11.2

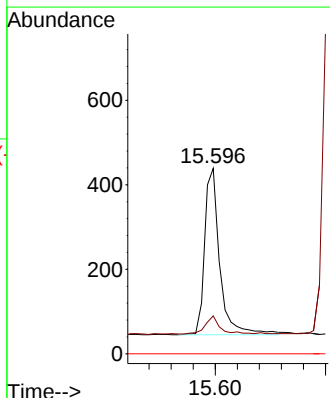
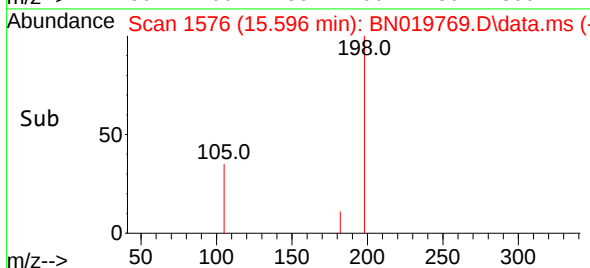
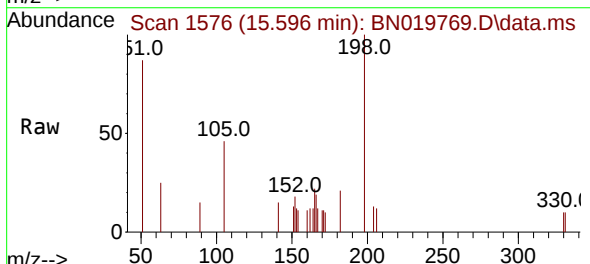
Manual Integrations  
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Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.360 ng  
RT: 15.596 min Scan# 1576  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion:198 Resp: 756  
Ion Ratio Lower Upper  
198 100  
182 20.5 12.1 18.1#  
77 0.0 0.0 0.0





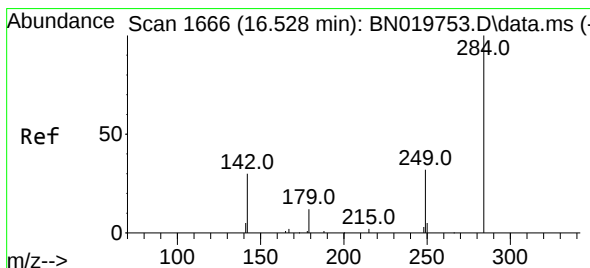
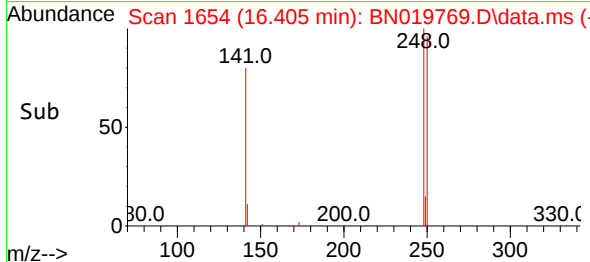
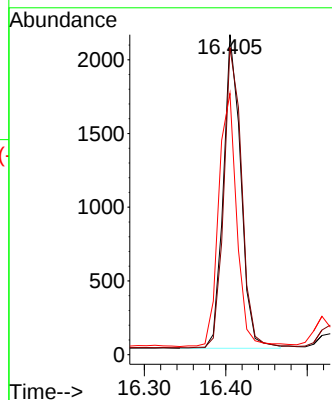
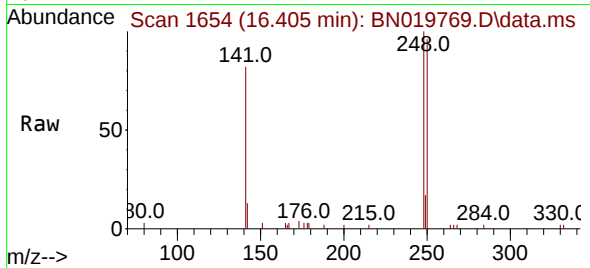
#21  
4-Bromophenyl-phenylether  
Concen: 0.353 ng  
RT: 16.405 min Scan# 1654  
Delta R.T. -0.010 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion:248 Resp: 3154  
Ion Ratio Lower Upper  
248 100  
250 96.0 75.3 112.9  
141 81.7 67.3 100.9

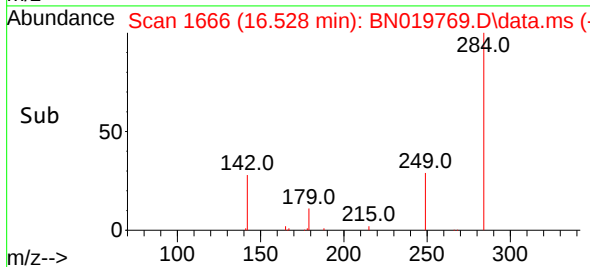
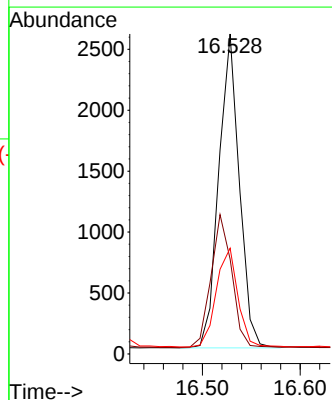
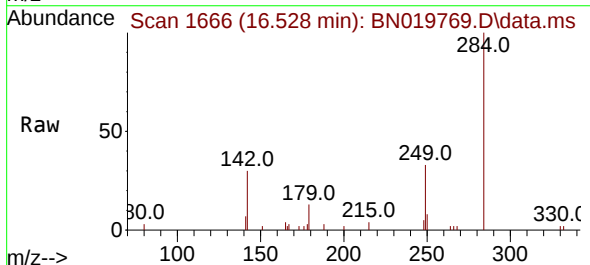
Manual Integrations  
APPROVED

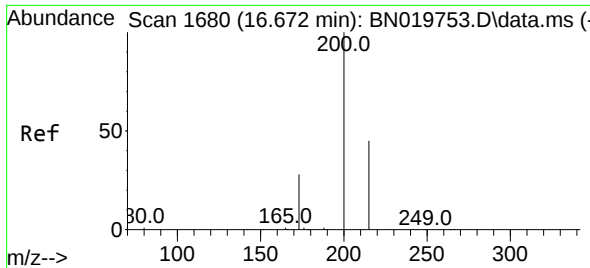
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#22  
Hexachlorobenzene  
Concen: 0.379 ng  
RT: 16.528 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion:284 Resp: 3757  
Ion Ratio Lower Upper  
284 100  
142 42.7 35.2 52.8  
249 33.3 26.6 40.0





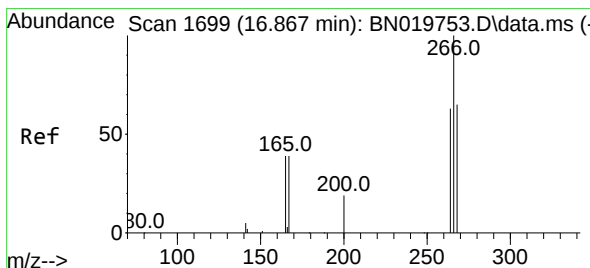
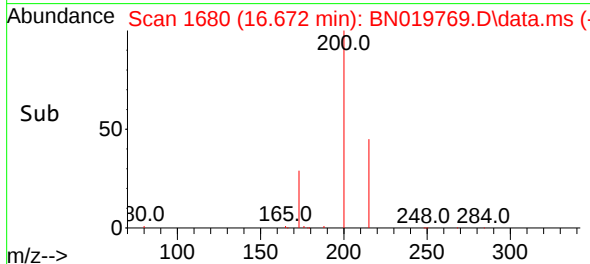
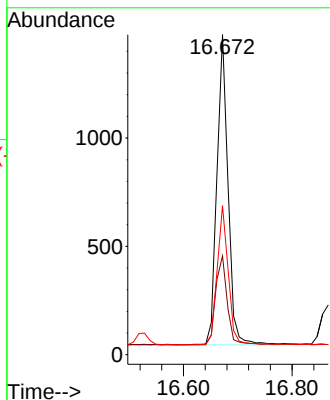
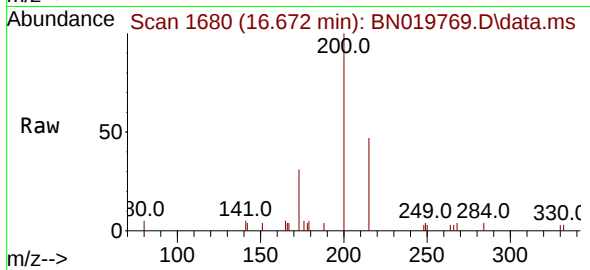
#23  
Atrazine  
Concen: 0.349 ng  
RT: 16.672 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS

Tgt Ion:200 Resp: 203  
Ion Ratio Lower Upper  
200 100  
173 30.9 23.6 35.4  
215 46.6 36.6 54.8

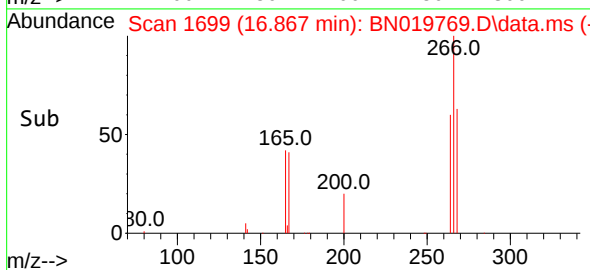
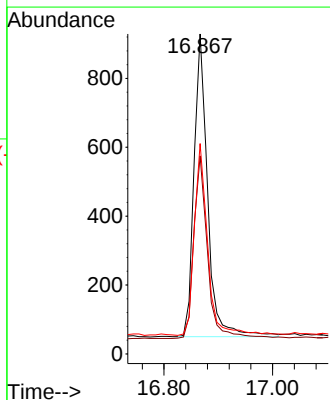
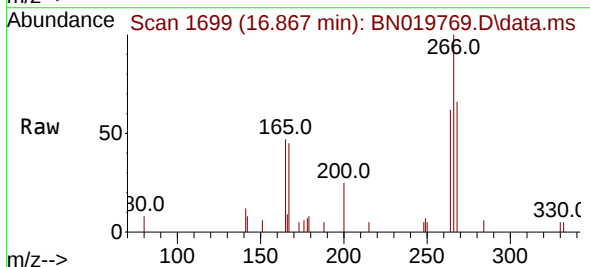
Manual Integrations  
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Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#24  
Pentachlorophenol  
Concen: 0.402 ng  
RT: 16.867 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

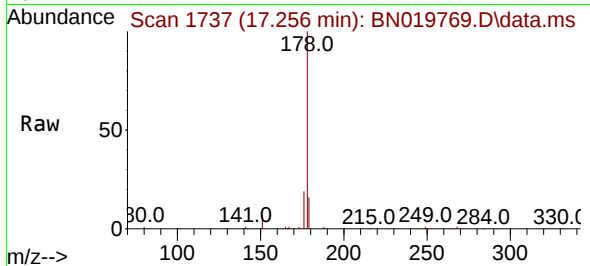
Tgt Ion:266 Resp: 1537  
Ion Ratio Lower Upper  
266 100  
264 60.9 51.3 76.9  
268 62.6 52.6 79.0





#25  
Phenanthrene  
Concen: 0.365 ng  
RT: 17.256 min Scan# 1737  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

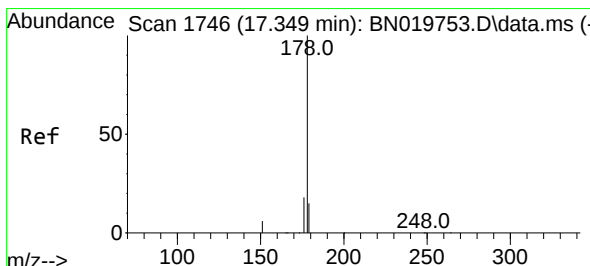
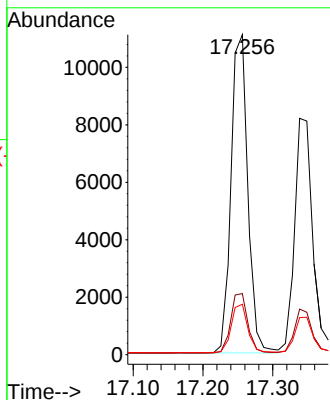
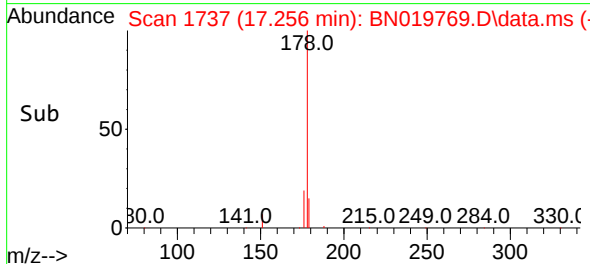
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



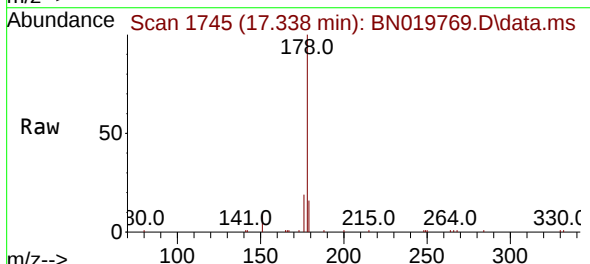
Tgt Ion:178 Resp: 18495  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.1 12.2 18.4

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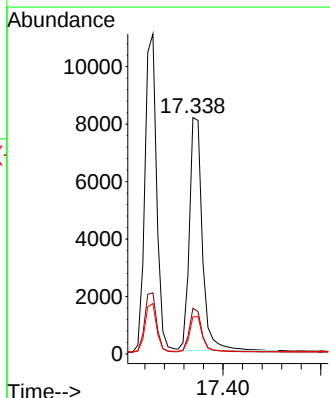
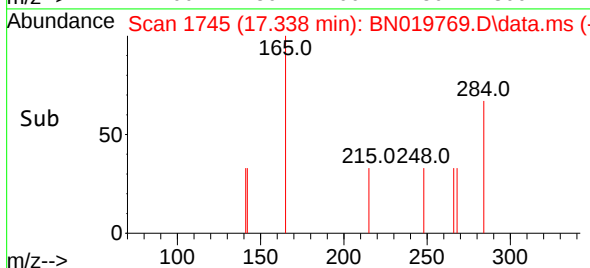
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022

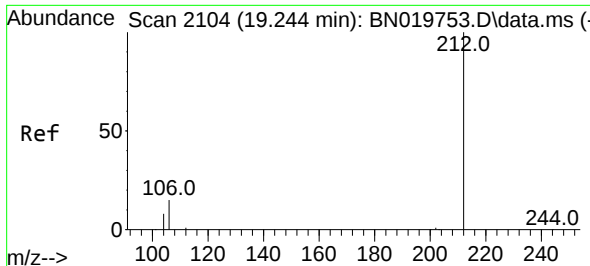


#26  
Anthracene  
Concen: 0.348 ng  
RT: 17.338 min Scan# 1745  
Delta R.T. -0.010 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



Tgt Ion:178 Resp: 14895  
Ion Ratio Lower Upper  
178 100  
176 18.2 14.9 22.3  
179 15.4 12.2 18.4





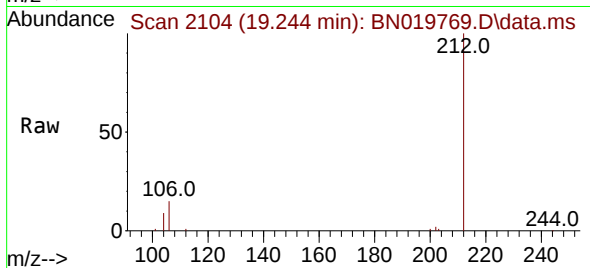
#27  
Fluoranthene-d10  
Concen: 0.382 ng  
RT: 19.244 min Scan# 2104  
Delta R.T. -0.004 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

PB144707BS

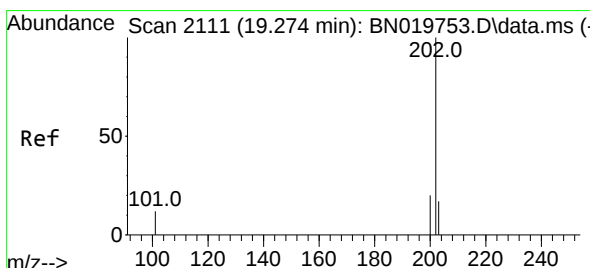
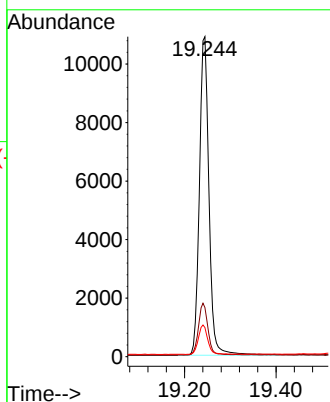
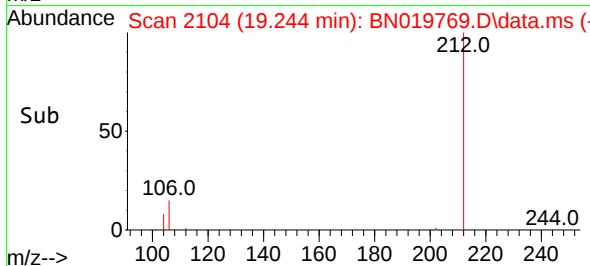


Tgt Ion:212 Resp: 1586  
Ion Ratio Lower Upper  
212 100  
106 16.0 12.6 19.0  
104 9.1 7.2 10.8

Manual Integrations

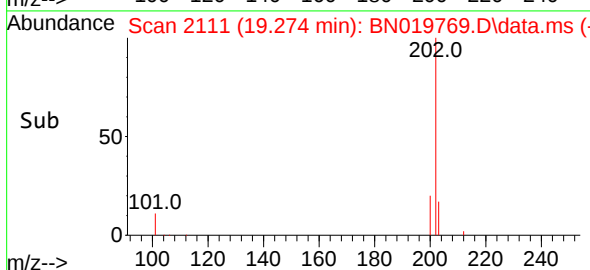
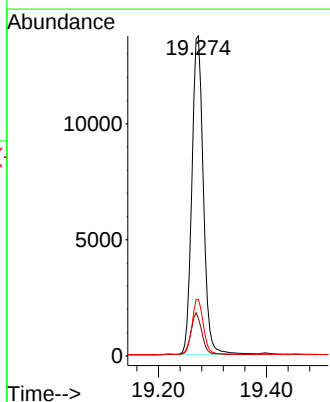
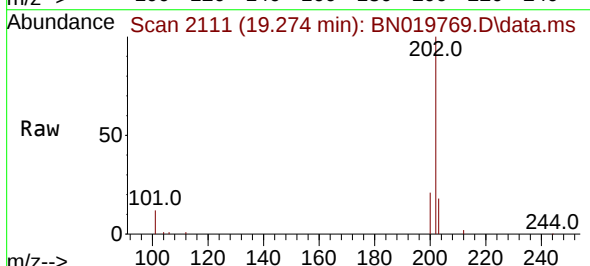
APPROVED

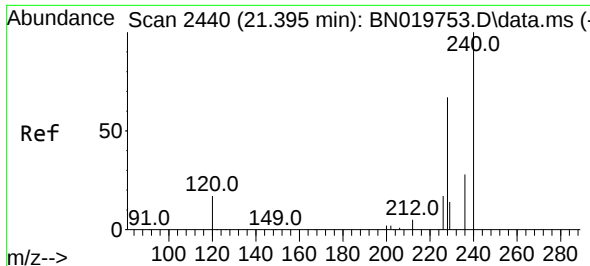
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#28  
Fluoranthene  
Concen: 0.374 ng  
RT: 19.274 min Scan# 2111  
Delta R.T. -0.004 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion:202 Resp: 20274  
Ion Ratio Lower Upper  
202 100  
101 12.9 9.6 14.4  
203 17.1 13.5 20.3





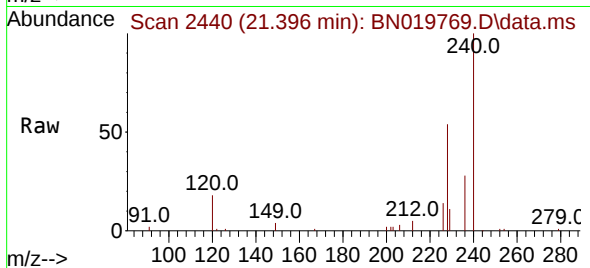
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.396 min Scan# 2440  
Delta R.T. -0.009 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

PB144707BS

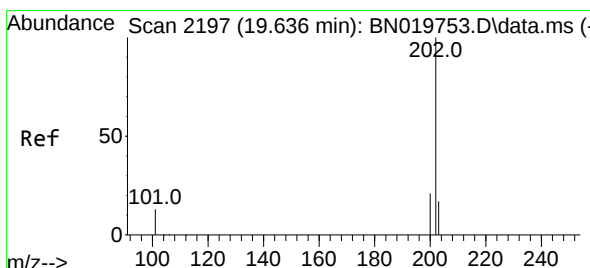
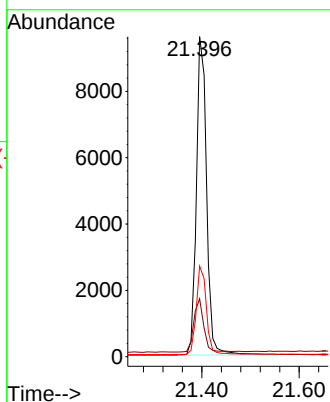
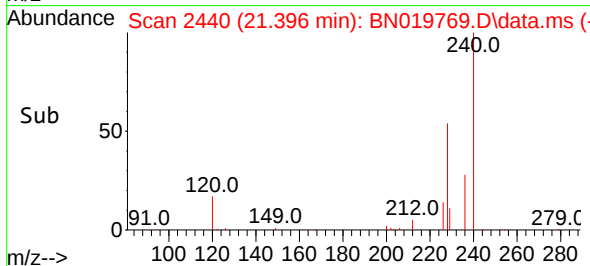


Tgt Ion:240 Resp: 13972  
Ion Ratio Lower Upper  
240 100  
120 18.1 14.6 21.8  
236 28.3 22.6 33.8

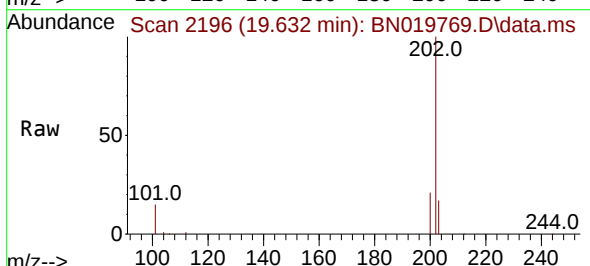
Manual Integrations

APPROVED

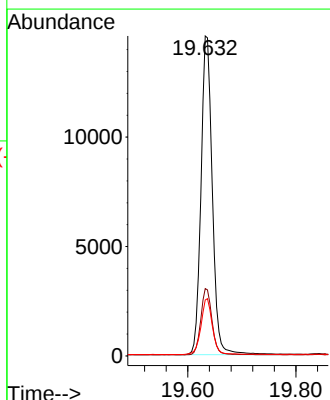
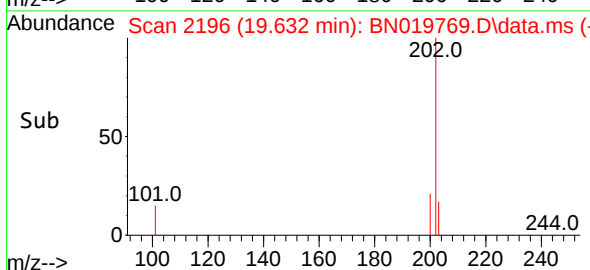
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#30  
Pyrene  
Concen: 0.357 ng  
RT: 19.632 min Scan# 2196  
Delta R.T. -0.008 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



Tgt Ion:202 Resp: 21162  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 25.0  
203 17.5 14.2 21.2





#31  
 Terphenyl-d14  
 Concen: 0.355 ng  
 RT: 19.843 min Scan# 2119  
 Delta R.T. -0.004 min  
 Lab File: BN019769.D  
 Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

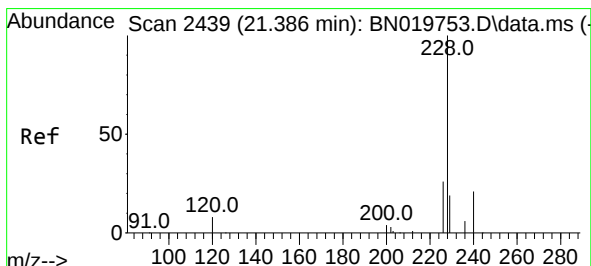
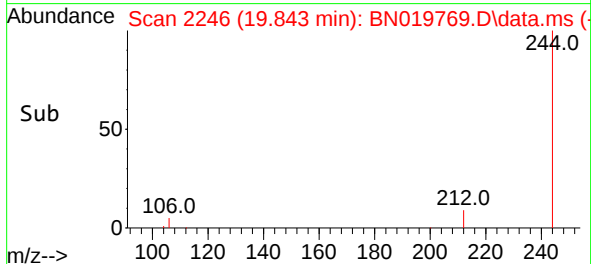
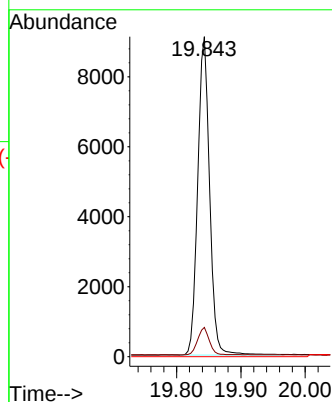
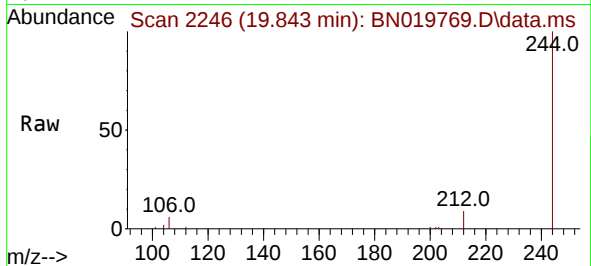
PB144707BS

Tgt Ion:244 Resp: 1169  
 Ion Ratio Lower Upper  
 244 100  
 212 9.2 7.1 10.7  
 122 0.0 0.0 0.0

Manual Integrations

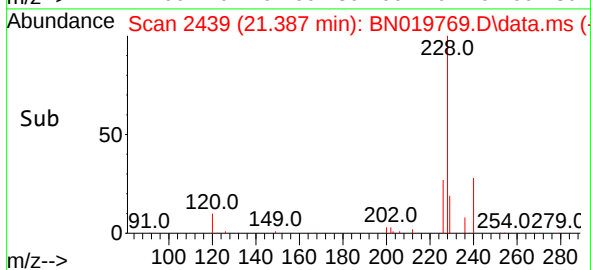
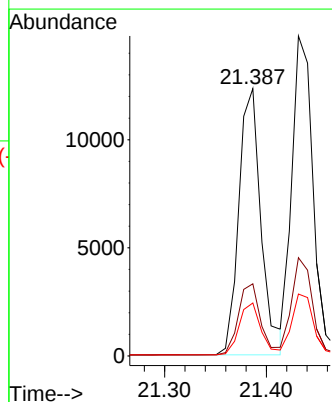
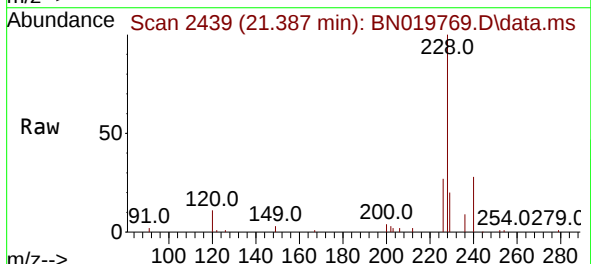
APPROVED

Reviewed By :Christian Giraldo 05/16/2022  
 Supervised By :Jagrut Upadhyay 05/16/2022



#32  
 Benzo(a)anthracene  
 Concen: 0.368 ng  
 RT: 21.387 min Scan# 2439  
 Delta R.T. 0.000 min  
 Lab File: BN019769.D  
 Acq: 13 May 2022 15:05

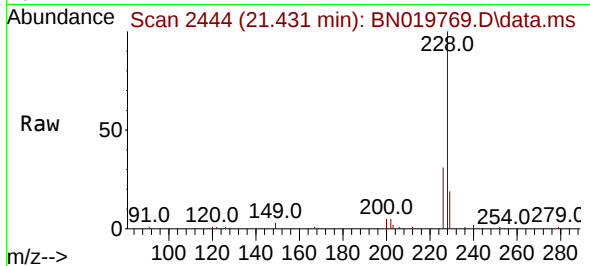
Tgt Ion:228 Resp: 18713  
 Ion Ratio Lower Upper  
 228 100  
 226 27.0 21.2 31.8  
 229 19.8 15.6 23.4





#33  
Chrysene  
Concen: 0.372 ng  
RT: 21.431 min Scan# 2444  
Delta R.T. -0.009 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

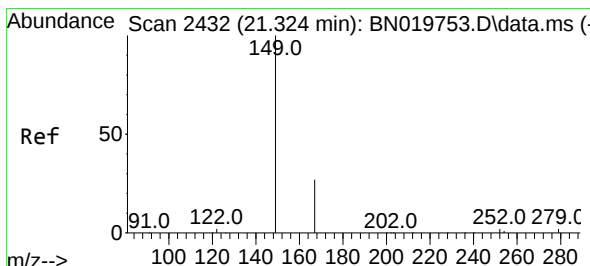
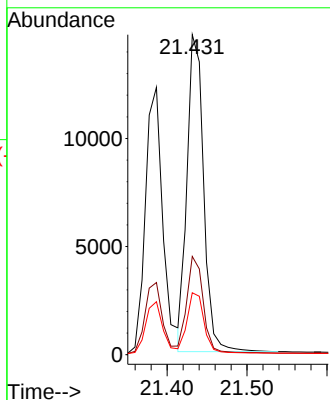
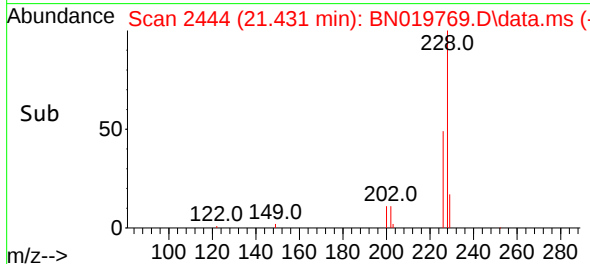
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



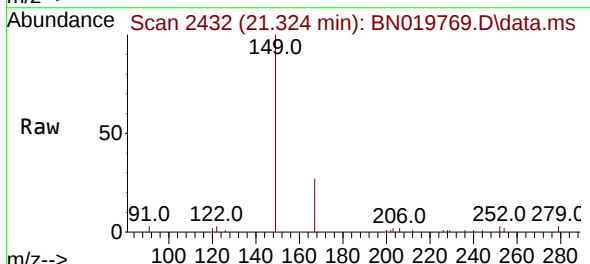
Tgt Ion:228 Resp: 21249  
Ion Ratio Lower Upper  
228 100  
226 30.7 23.4 35.0  
229 19.4 15.7 23.5

Manual Integrations  
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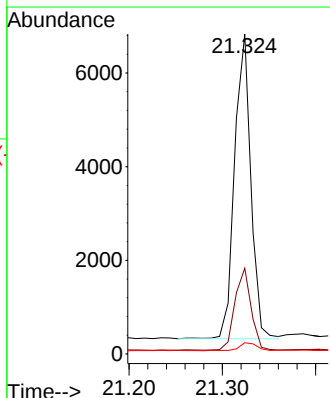
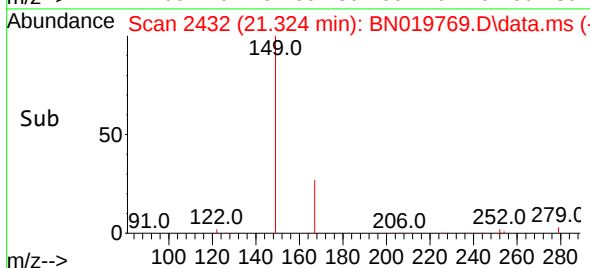
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.373 ng  
RT: 21.324 min Scan# 2432  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



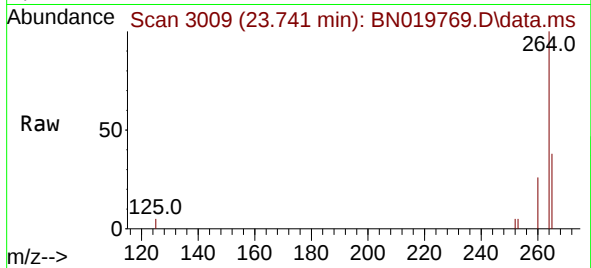
Tgt Ion:149 Resp: 7906  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.7 32.5  
279 2.9 2.2 3.2





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.741 min Scan# 3009  
Delta R.T. 0.000 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

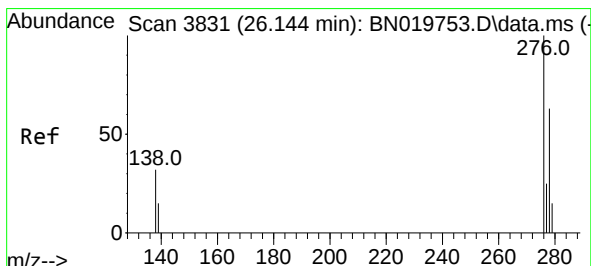
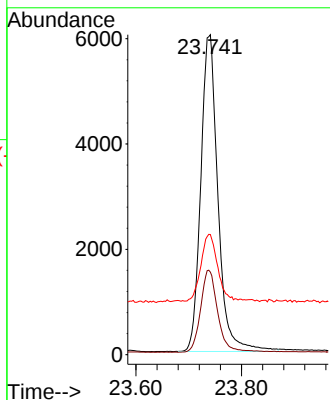
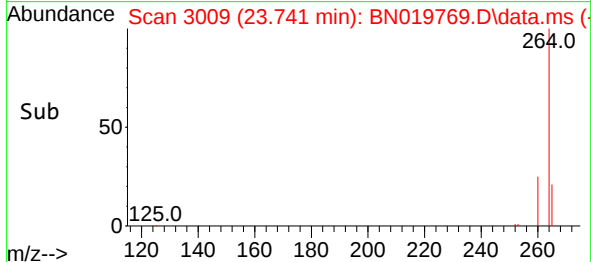
Instrument :  
BNA\_N  
ClientSampleId :  
PB144707BS



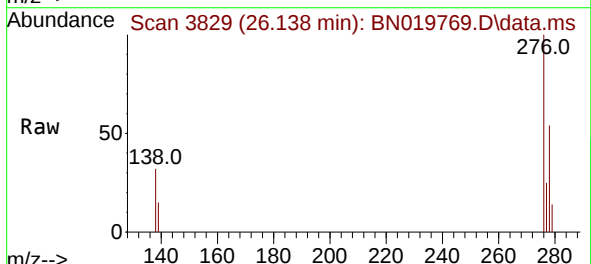
Tgt Ion:264 Resp: 13590  
Ion Ratio Lower Upper  
264 100  
260 25.8 20.9 31.3  
265 37.5 28.0 42.0

Manual Integrations  
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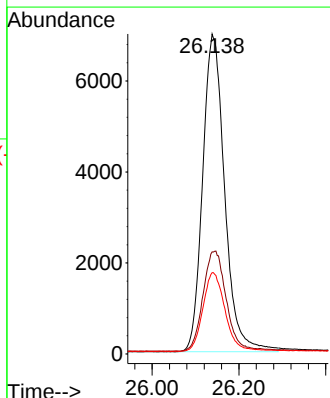
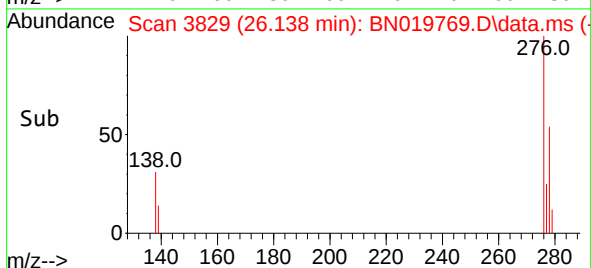
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.385 ng  
RT: 26.138 min Scan# 3829  
Delta R.T. -0.015 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05



Tgt Ion:276 Resp: 24541  
Ion Ratio Lower Upper  
276 100  
138 33.1 25.9 38.9  
277 24.9 19.8 29.8





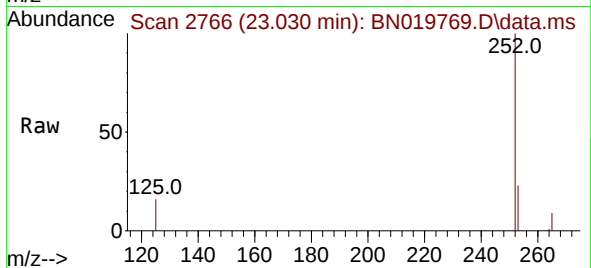
#37  
Benzo(b)fluoranthene  
Concen: 0.339 ng  
RT: 23.030 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

PB144707BS

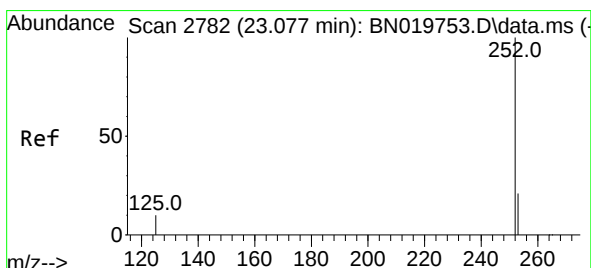
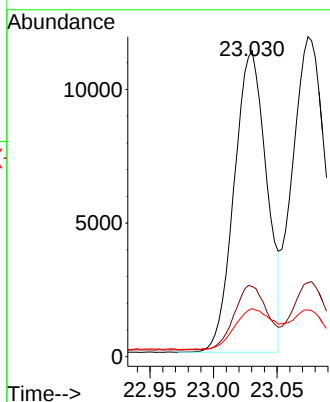
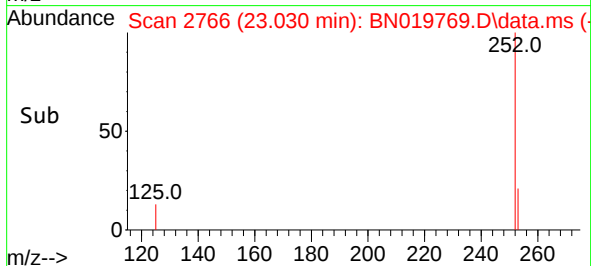


Tgt Ion:252 Resp: 20089  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.5 27.7  
125 15.7 11.4 17.0

Manual Integrations

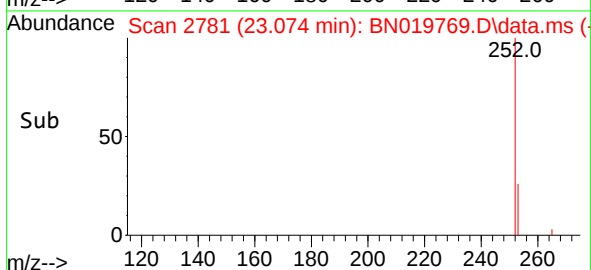
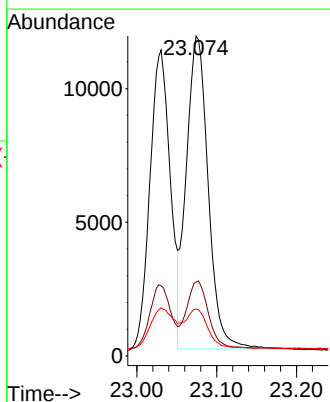
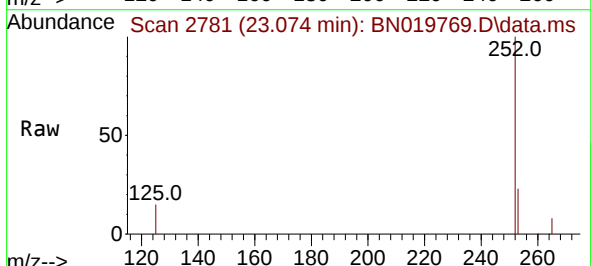
APPROVED

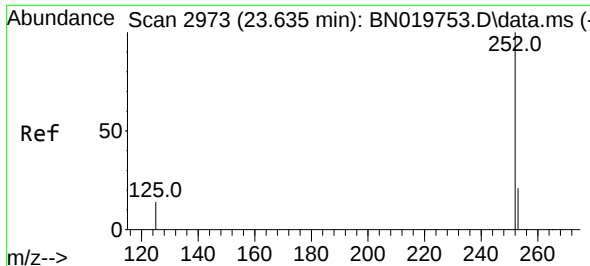
Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#38  
Benzo(k)fluoranthene  
Concen: 0.355 ng m  
RT: 23.074 min Scan# 2781  
Delta R.T. -0.006 min  
Lab File: BN019769.D  
Acq: 13 May 2022 15:05

Tgt Ion:252 Resp: 22353  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.0 27.0  
125 14.6 11.0 16.4





#39

Benzo(a)pyrene

Concen: 0.345 ng

RT: 23.633 min Scan# 2973

Delta R.T. -0.009 min

Lab File: BN019769.D

Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

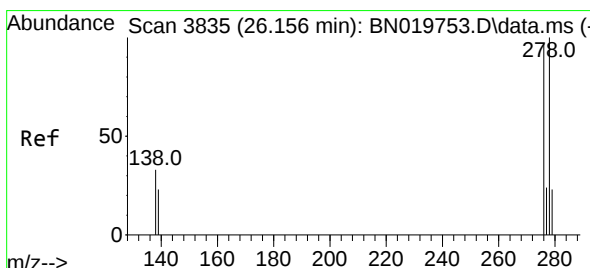
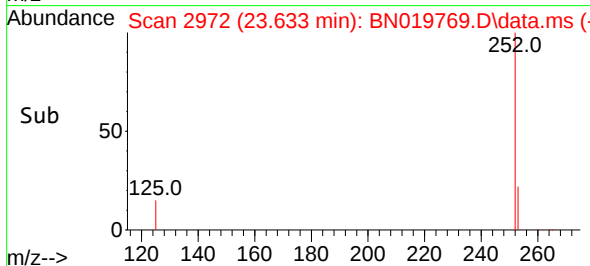
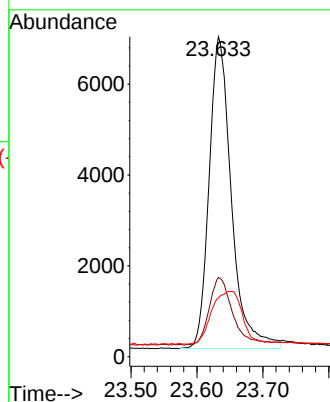
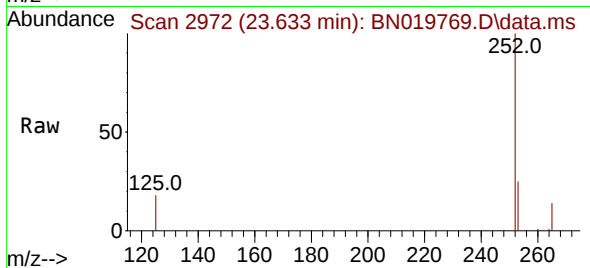
PB144707BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1613 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 24.8  | 19.0  | 28.4 |
| 125       | 18.3  | 13.8  | 20.8 |

Manual Integrations

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Reviewed By :Christian Giraldo 05/16/2022  
Supervised By :Jagrut Upadhyay 05/16/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.388 ng

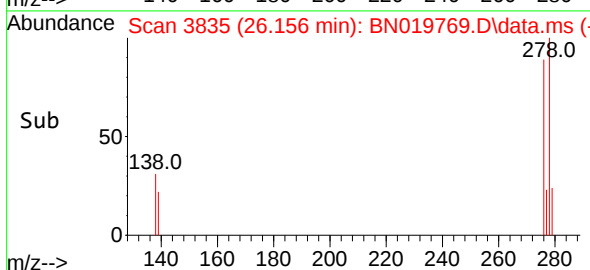
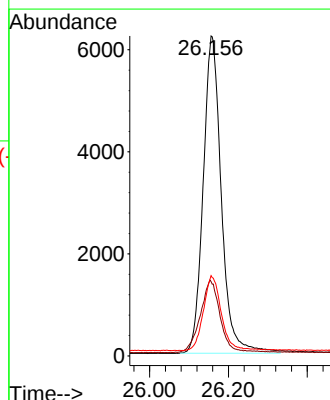
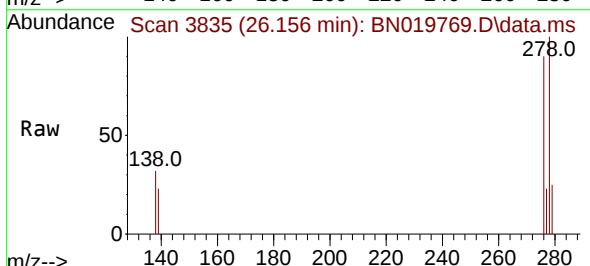
RT: 26.156 min Scan# 3835

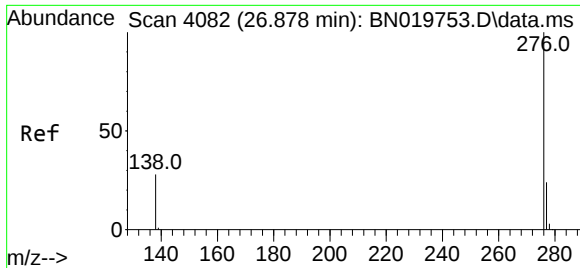
Delta R.T. -0.015 min

Lab File: BN019769.D

Acq: 13 May 2022 15:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 19891 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 23.3  | 18.6  | 28.0  |
| 279       | 25.1  | 19.7  | 29.5  |





#41

Benzo(g,h,i)perylene

Concen: 0.376 ng

RT: 26.875 min Scan# 40

Delta R.T. -0.012 min

Lab File: BN019769.D

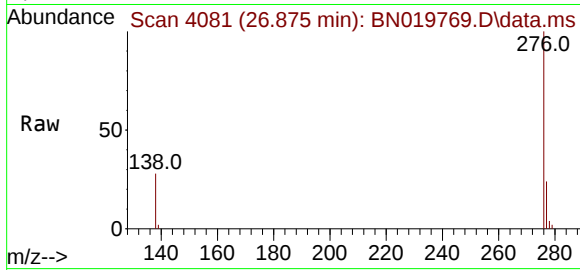
Acq: 13 May 2022 15:05

Instrument :

BNA\_N

ClientSampleId :

PB144707BS



Tgt Ion:276 Resp: 1986

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 27.9 22.6 34.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/16/2022

Supervised By :Jagrut Upadhyay 05/16/2022

