

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052622\  
 Data File : BN019986.D  
 Acq On : 27 May 2022 00:29  
 Operator : CG/JU  
 Sample : PB145066BSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB145066BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/27/2022  
 Supervised By : Jagrut Upadhyay 05/27/2022

Quant Time: May 27 03:08:14 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 18 07:42:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4734     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 16014    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.463 | 164  | 9499     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.205 | 188  | 18658    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.396 | 240  | 11601    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.738 | 264  | 10102    | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.435  | 112  | 5005     | 0.423 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.017  | 99   | 6335     | 0.427 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 4666     | 0.386 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.223 | 152  | 10504    | 0.377 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.954 | 330  | 1018     | 0.271 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.095 | 172  | 15365    | 0.370 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.240 | 212  | 17512    | 0.330 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.839 | 244  | 12412    | 0.454 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.355  | 88   | 1972     | 0.351 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.673  | 42   | 2240     | 0.364 | ng    | 98       |
| 6) bis(2-Chloroethyl)ether    | 7.269  | 93   | 5275     | 0.365 | ng    | 99       |
| 9) Naphthalene                | 10.680 | 128  | 18170    | 0.374 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.979 | 225  | 3331     | 0.377 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.299 | 142  | 12411    | 0.375 | ng    | 99       |
| 16) Acenaphthylene            | 14.185 | 152  | 16767m   | 0.376 | ng    |          |
| 17) Acenaphthene              | 14.527 | 154  | 11581    | 0.351 | ng    | 96       |
| 18) Fluorene                  | 15.511 | 166  | 14694    | 0.353 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.596 | 198  | 226      | 0.084 | ng    | # 50     |
| 21) 4-Bromophenyl-phenylether | 16.405 | 248  | 4475     | 0.393 | ng    | # 85     |
| 22) Hexachlorobenzene         | 16.528 | 284  | 5091     | 0.403 | ng    | 100      |
| 23) Atrazine                  | 16.672 | 200  | 2748     | 0.370 | ng    | 96       |
| 24) Pentachlorophenol         | 16.867 | 266  | 833      | 0.171 | ng    | 96       |
| 25) Phenanthrene              | 17.246 | 178  | 23577    | 0.365 | ng    | 100      |
| 26) Anthracene                | 17.338 | 178  | 19622    | 0.359 | ng    | 100      |
| 28) Fluoranthene              | 19.270 | 202  | 22627    | 0.327 | ng    | 99       |
| 30) Pyrene                    | 19.632 | 202  | 22105    | 0.449 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.378 | 228  | 15667    | 0.371 | ng    | 97       |
| 33) Chrysene                  | 21.431 | 228  | 18022    | 0.380 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.315 | 149  | 8608     | 0.489 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.141 | 276  | 17344    | 0.367 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.027 | 252  | 15620    | 0.354 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.074 | 252  | 16497    | 0.352 | ng    | 99       |
| 39) Benzo(a)pyrene            | 23.636 | 252  | 12954    | 0.373 | ng    | # 93     |
| 40) Dibenzo(a,h)anthracene    | 26.159 | 278  | 13728    | 0.360 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.881 | 276  | 13939    | 0.355 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

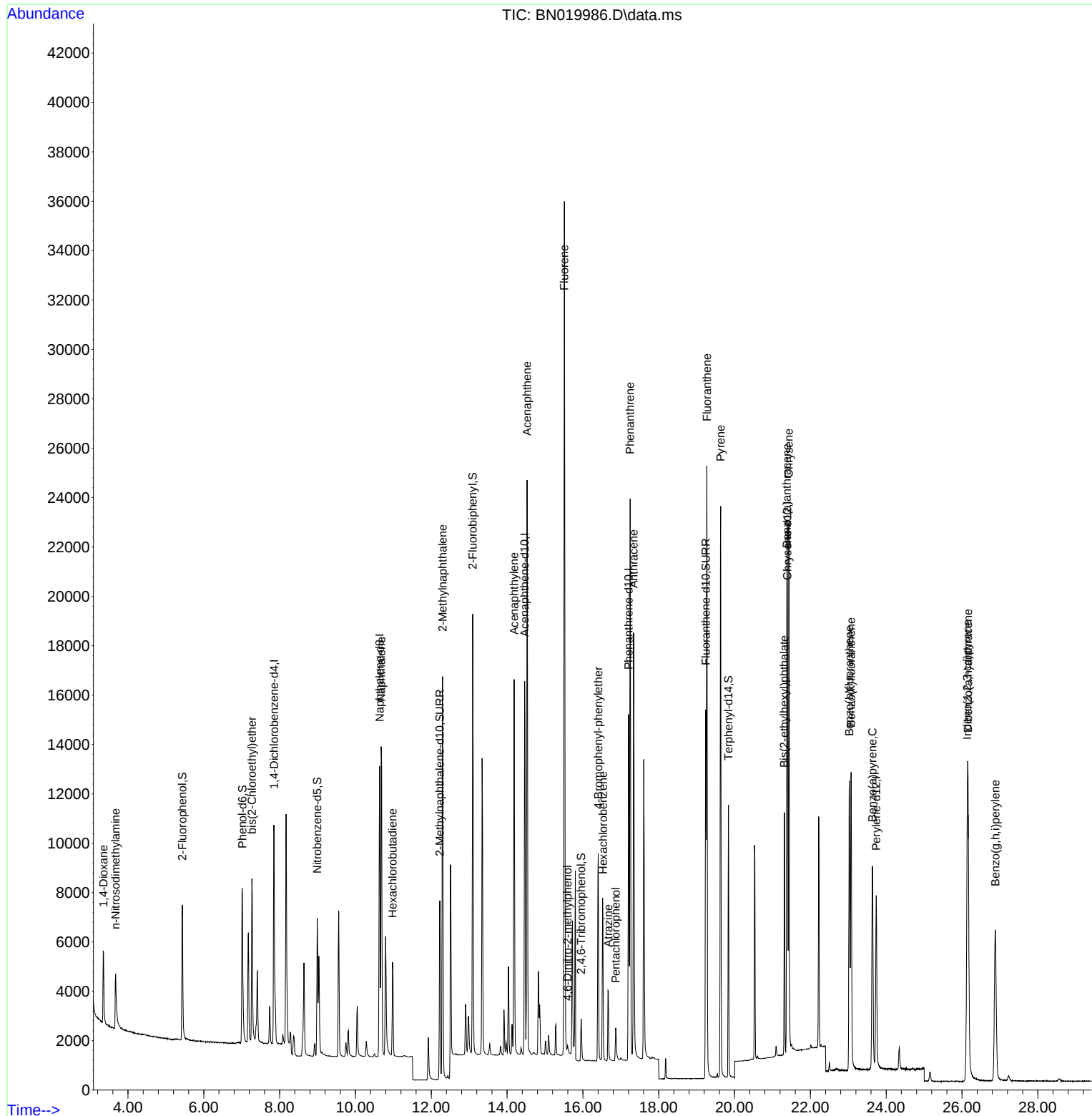
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052622\  
Data File : BN019986.D  
Acq On : 27 May 2022 00:29  
Operator : CG/JU  
Sample : PB145066BSD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

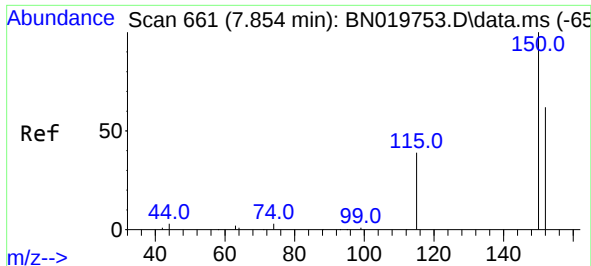
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD

Quant Time: May 27 03:08:14 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 18 07:42:52 2022  
Response via : Initial Calibration

Manual Integrations  
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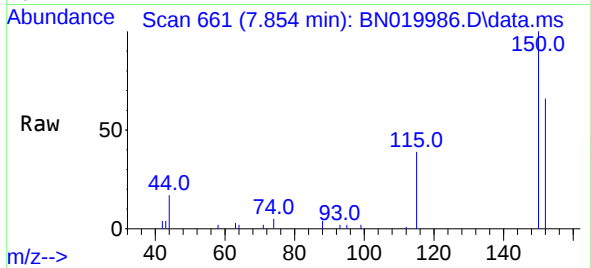
Reviewed By : Christian Giraldo 05/27/2022  
Supervised By : Jagrut Upadhyay 05/27/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.854 min Scan# 60  
Delta R.T. 0.007 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

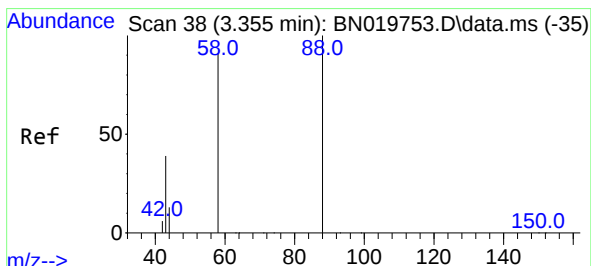
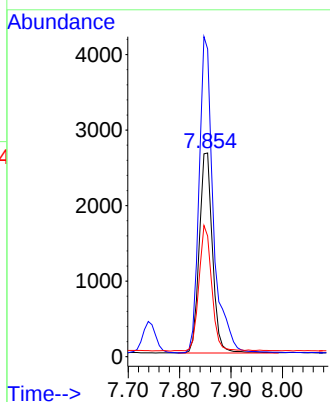
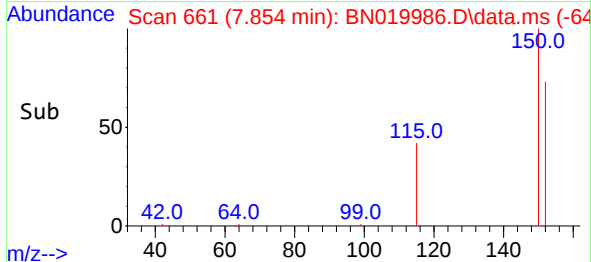
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



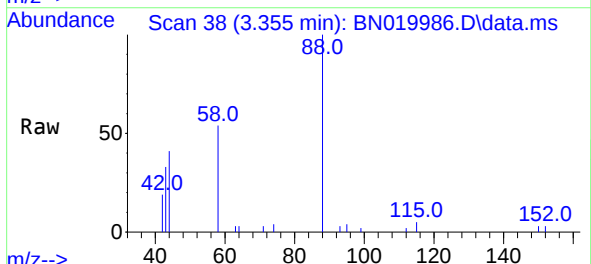
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Ion Ratio Lower Upper  
152 100  
150 151.0 127.9 191.9  
115 59.2 51.4 77.2

Manual Integrations  
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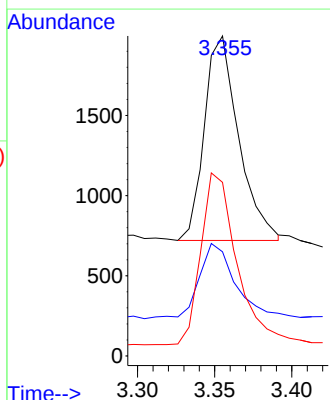
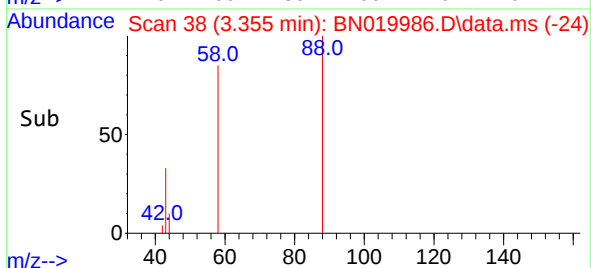
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

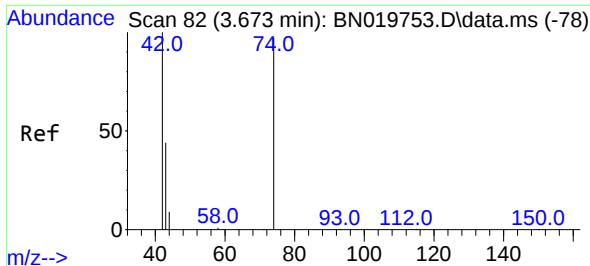


#2  
1,4-Dioxane  
Concen: 0.351 ng  
RT: 3.355 min Scan# 38  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



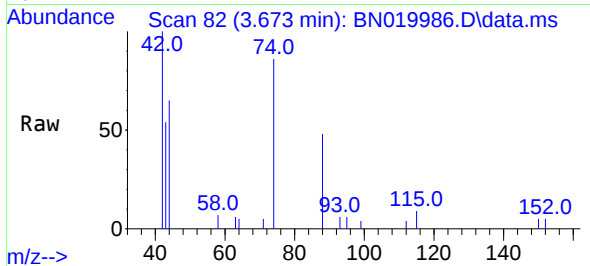
Tgt Ion: 88 Resp: 1972  
Ion Ratio Lower Upper  
88 100  
43 39.2 30.2 45.2  
58 87.8 73.0 109.6





#3  
n-Nitrosodimethylamine  
Concen: 0.364 ng  
RT: 3.673 min Scan# 81  
Delta R.T. 0.007 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

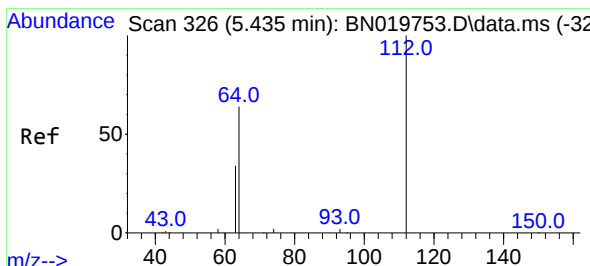
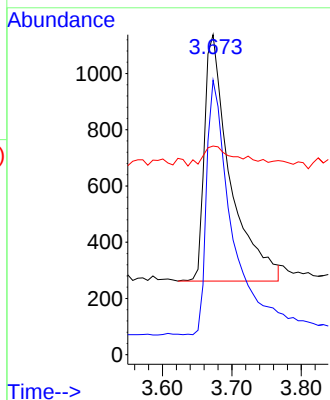
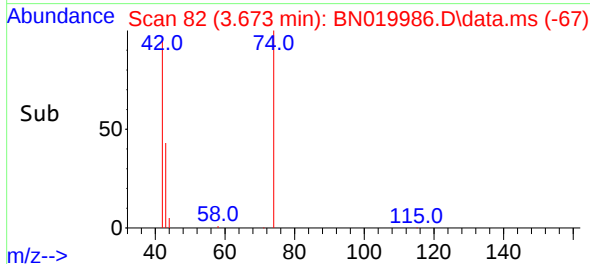
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



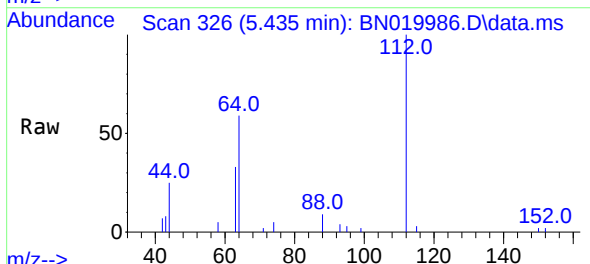
Tgt Ion: 42 Resp: 2240  
Ion Ratio Lower Upper  
42 100  
74 102.9 84.0 126.0  
44 10.7 9.8 14.8

Manual Integrations  
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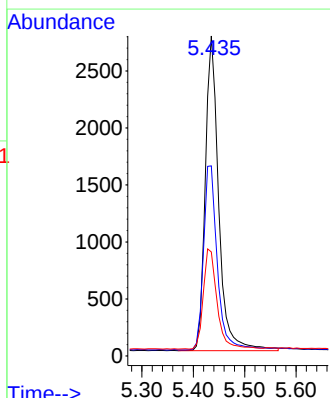
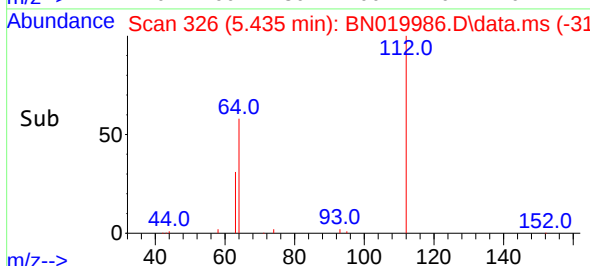
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

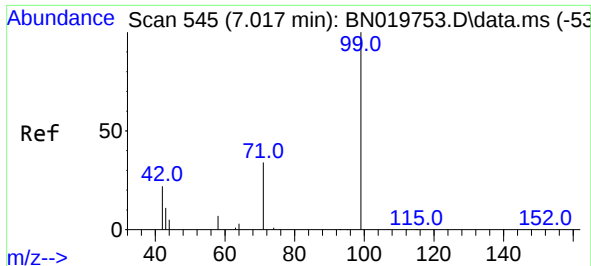


#4  
2-Fluorophenol  
Concen: 0.423 ng  
RT: 5.435 min Scan# 326  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



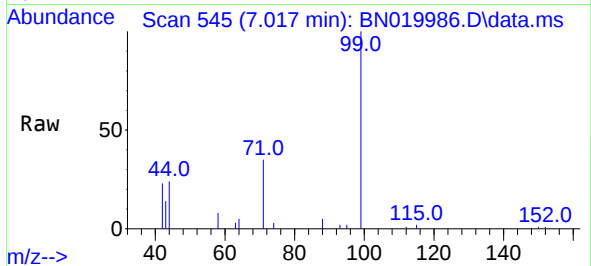
Tgt Ion: 112 Resp: 5005  
Ion Ratio Lower Upper  
112 100  
64 61.1 49.1 73.7  
63 32.7 26.3 39.5





#5  
Phenol-d6  
Concen: 0.427 ng  
RT: 7.017 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

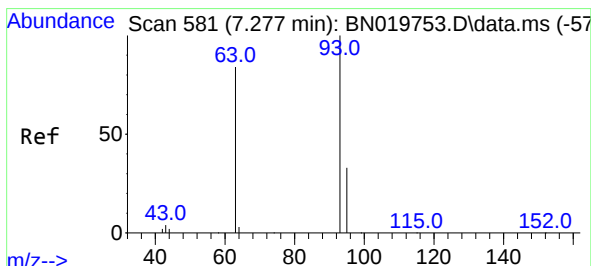
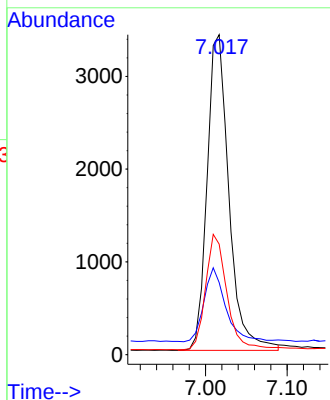
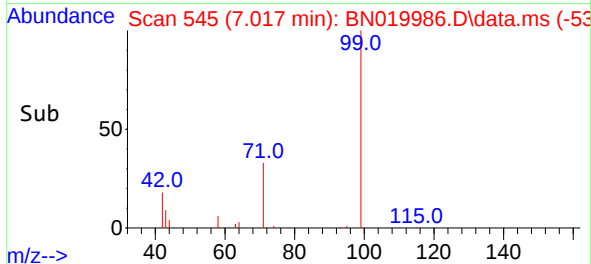
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



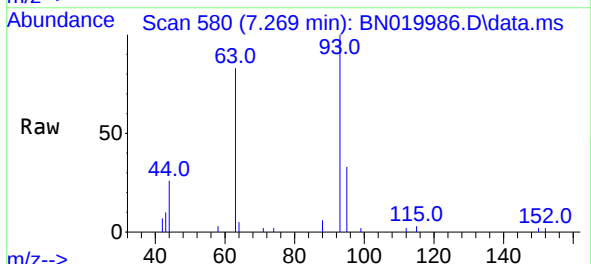
Tgt Ion: 99 Resp: 6335  
Ion Ratio Lower Upper  
99 100  
42 23.3 19.3 28.9  
71 35.5 27.5 41.3

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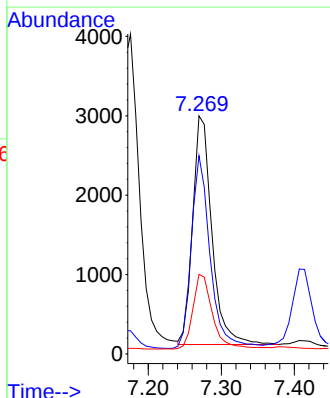
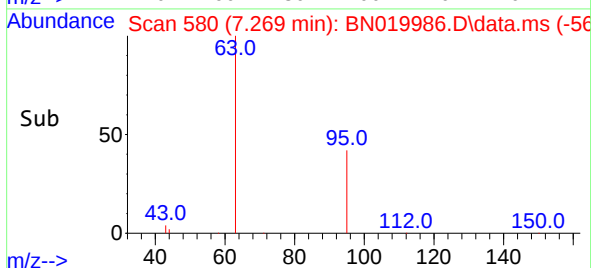
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

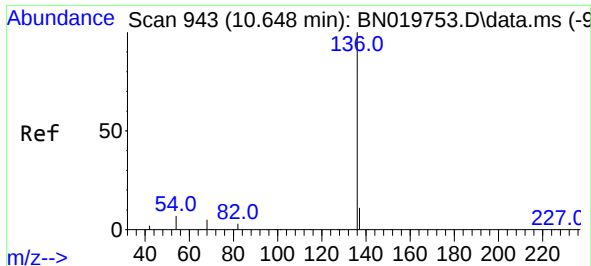


#6  
bis(2-Chloroethyl)ether  
Concen: 0.365 ng  
RT: 7.269 min Scan# 580  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



Tgt Ion: 93 Resp: 5275  
Ion Ratio Lower Upper  
93 100  
63 82.7 67.4 101.0  
95 33.4 26.5 39.7





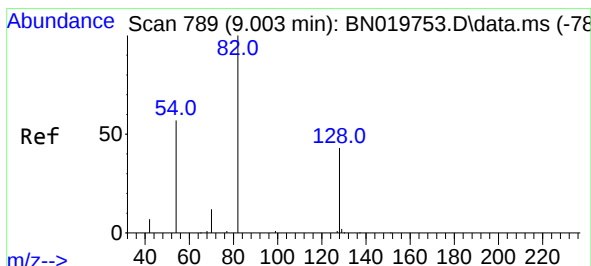
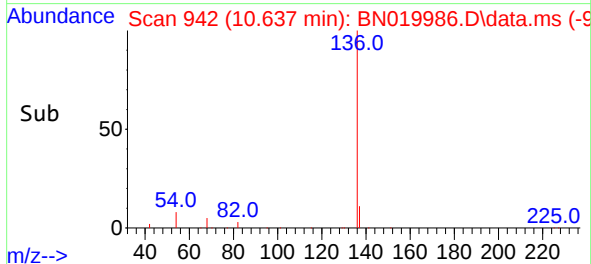
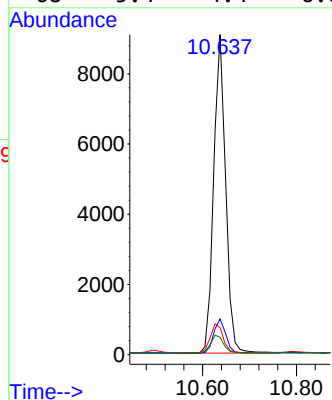
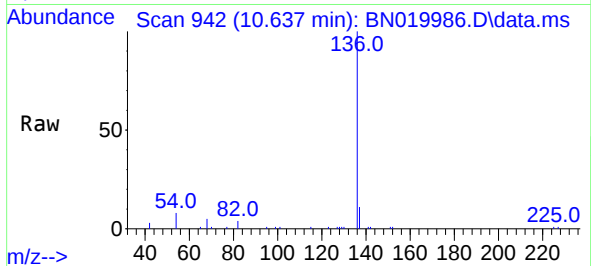
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16014 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.0   | 13.6  |
| 54        | 8.5   | 6.2   | 9.2   |
| 68        | 5.4   | 4.4   | 6.6   |

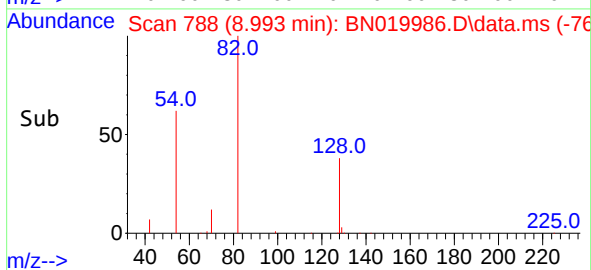
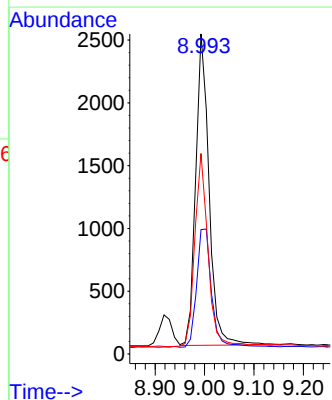
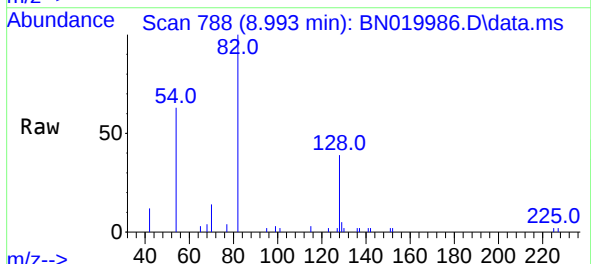
Manual Integrations  
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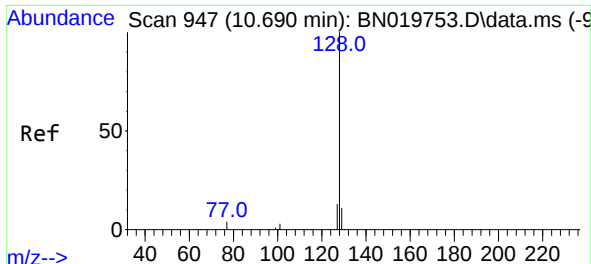
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#8  
Nitrobenzene-d5  
Concen: 0.386 ng  
RT: 8.993 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

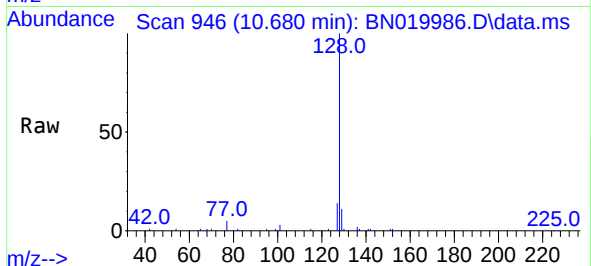
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4666 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 38.8  | 35.0  | 52.6 |
| 54        | 62.7  | 46.2  | 69.4 |





#9  
Naphthalene  
Concen: 0.374 ng  
RT: 10.680 min Scan# 947  
Delta R.T. -0.011 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

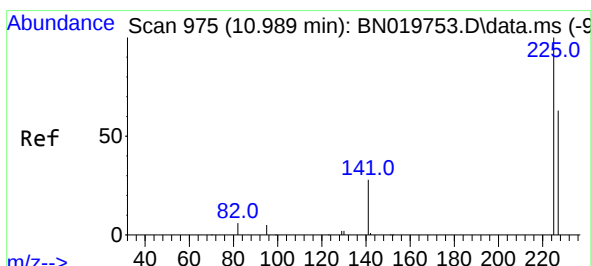
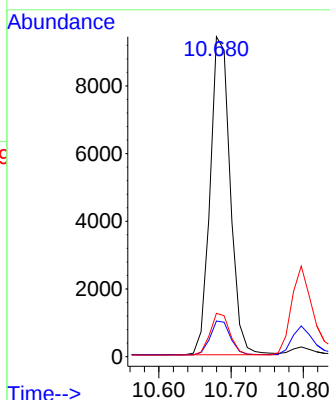
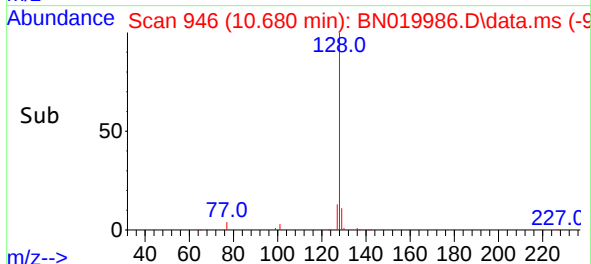
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



Tgt Ion:128 Resp: 18170  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.5 10.8 16.2

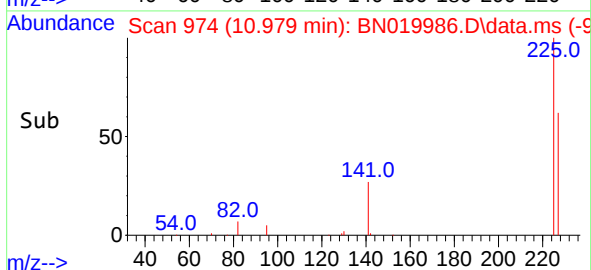
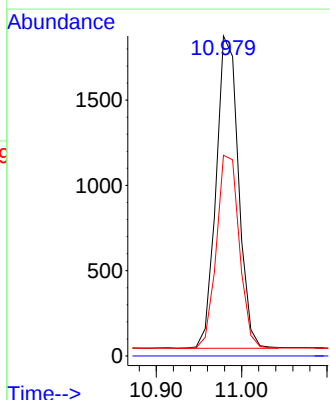
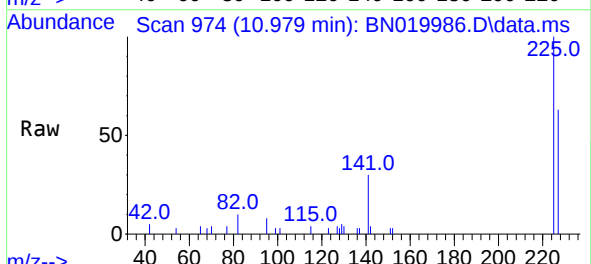
Manual Integrations  
APPROVED

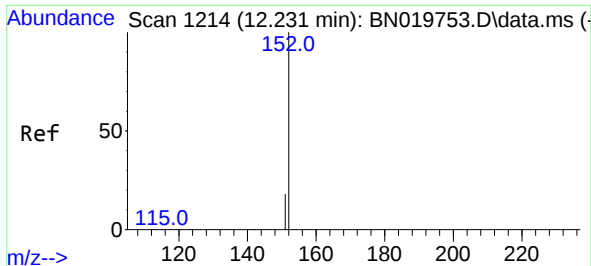
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#10  
Hexachlorobutadiene  
Concen: 0.377 ng  
RT: 10.979 min Scan# 974  
Delta R.T. -0.011 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Tgt Ion:225 Resp: 3331  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.1 50.9 76.3





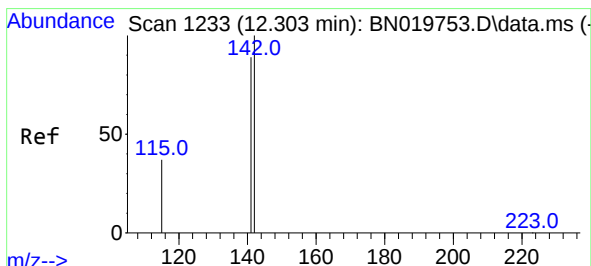
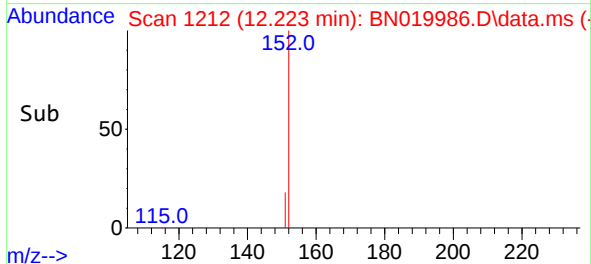
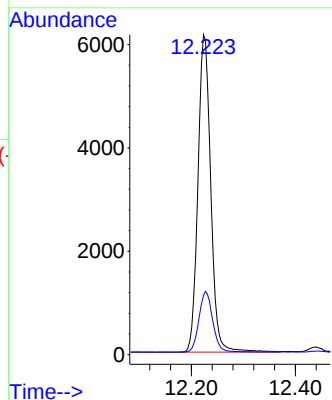
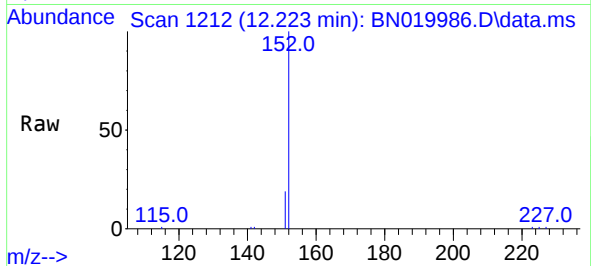
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2-Methylnaphthalene-d10  
Concen: 0.377 ng  
RT: 12.223 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD

Tgt Ion:152 Resp: 10504  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4

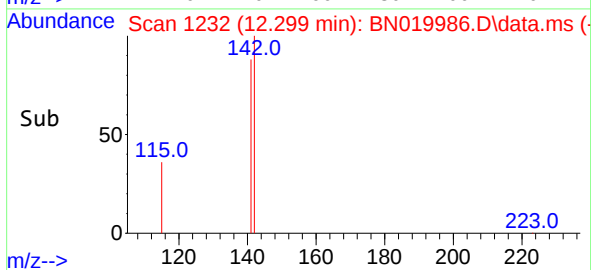
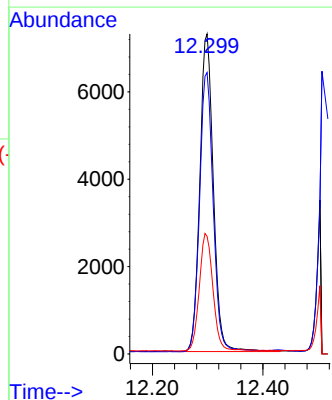
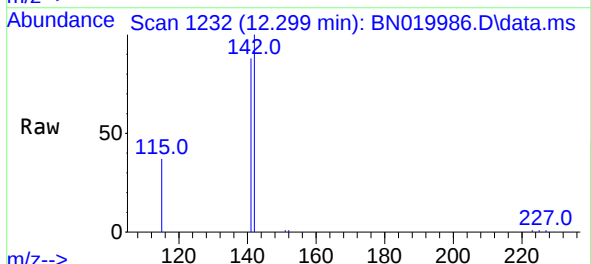
Manual Integrations  
APPROVED

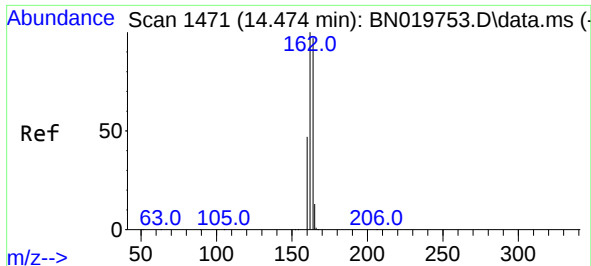
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#12  
2-Methylnaphthalene  
Concen: 0.375 ng  
RT: 12.299 min Scan# 1232  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

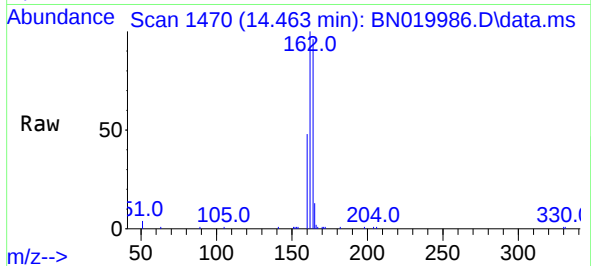
Tgt Ion:142 Resp: 12411  
Ion Ratio Lower Upper  
142 100  
141 88.0 71.6 107.4  
115 36.8 29.8 44.8





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.463 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

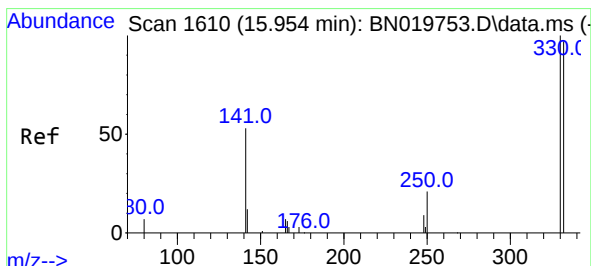
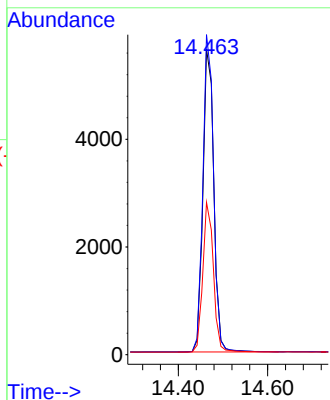
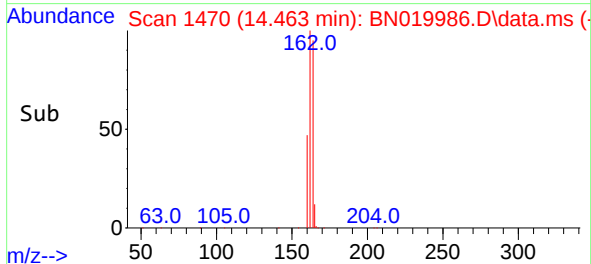
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



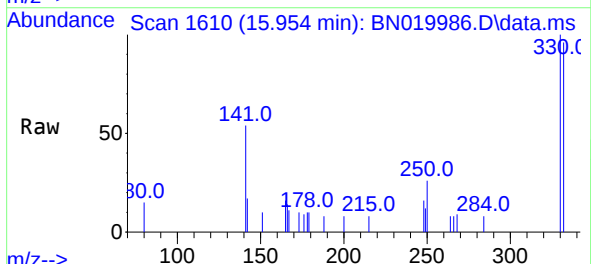
Tgt Ion:164 Resp: 949  
Ion Ratio Lower Upper  
164 100  
162 104.7 82.1 123.1  
160 49.9 38.6 58.0

Manual Integrations  
APPROVED

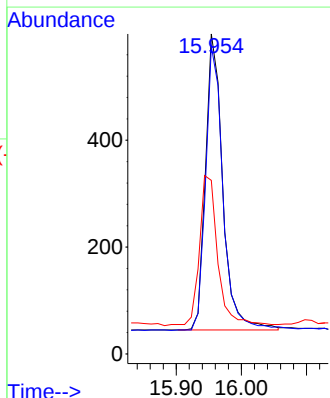
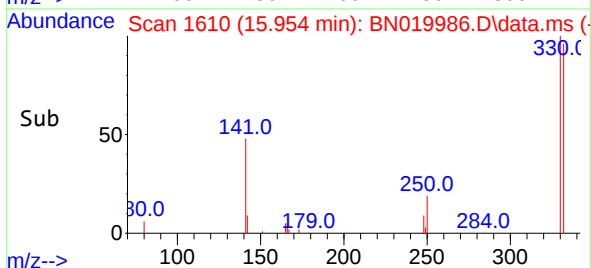
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

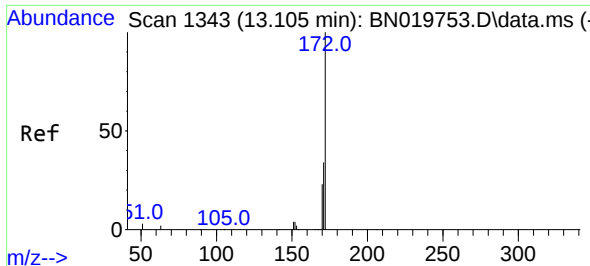


#14  
2,4,6-Tribromophenol  
Concen: 0.271 ng  
RT: 15.954 min Scan# 1610  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



Tgt Ion:330 Resp: 1018  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.6 116.4  
141 52.0 41.0 61.4





#15  
2-Fluorobiphenyl  
Concen: 0.370 ng  
RT: 13.095 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Instrument :

BNA\_N

ClientSampleId :

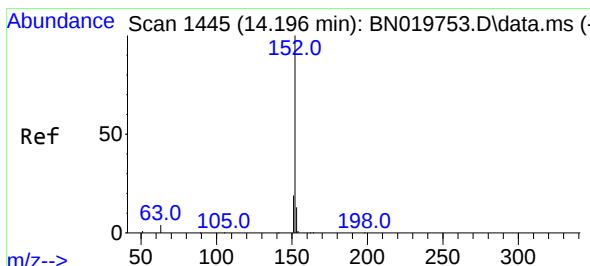
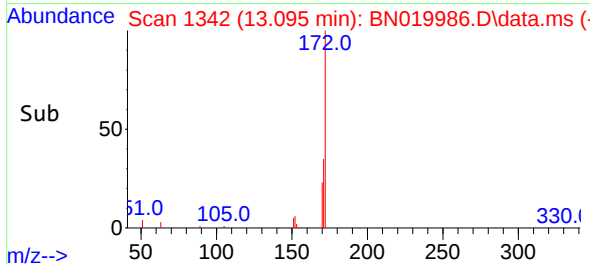
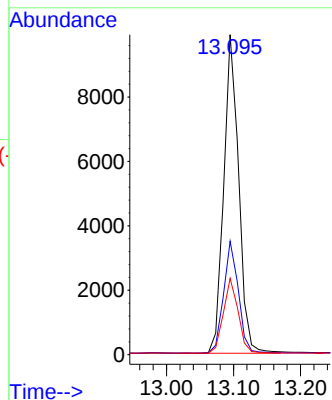
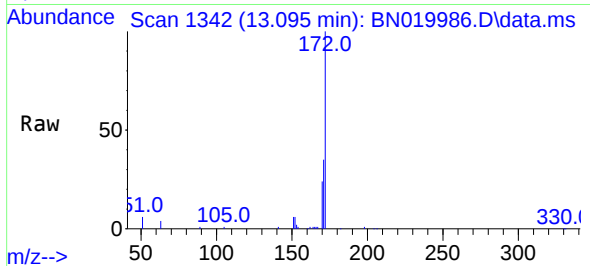
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Tgt Ion:172 Resp: 1536  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.2 40.8  
170 23.8 18.2 27.4

Manual Integrations

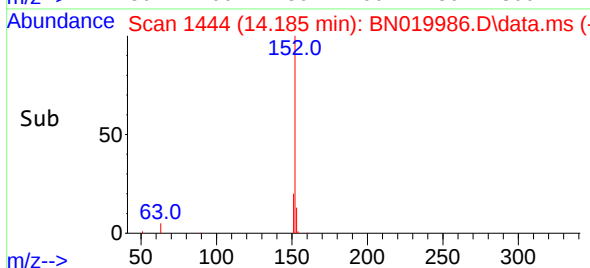
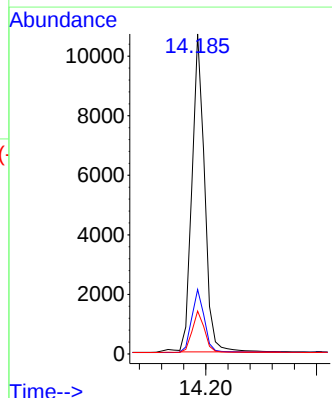
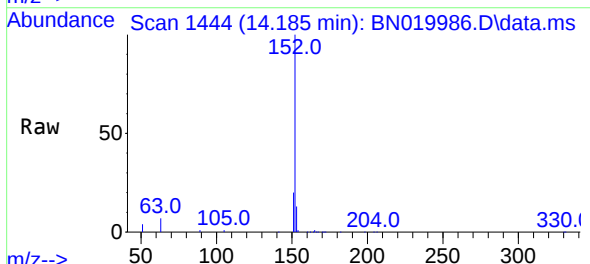
APPROVED

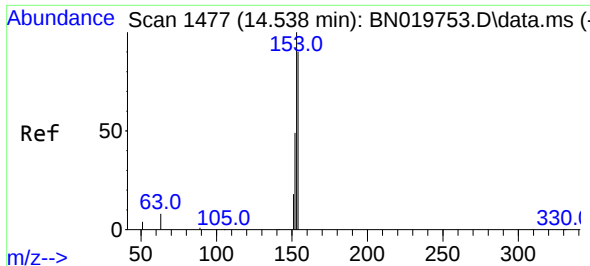
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#16  
Acenaphthylene  
Concen: 0.376 ng m  
RT: 14.185 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

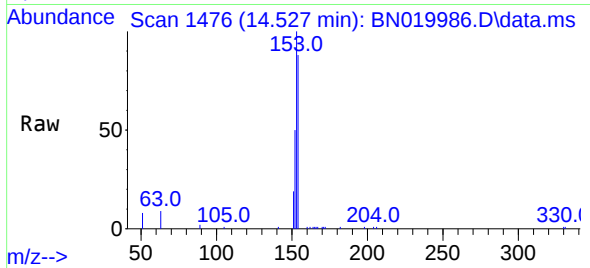
Tgt Ion:152 Resp: 16767  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.4  
153 13.2 10.7 16.1





#17  
Acenaphthene  
Concen: 0.351 ng  
RT: 14.527 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

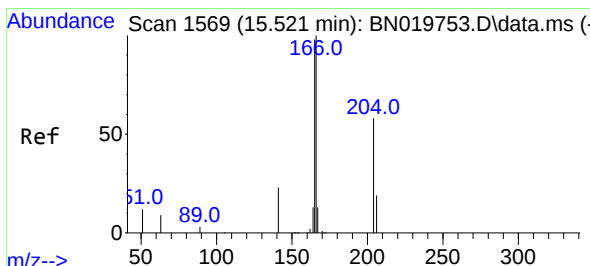
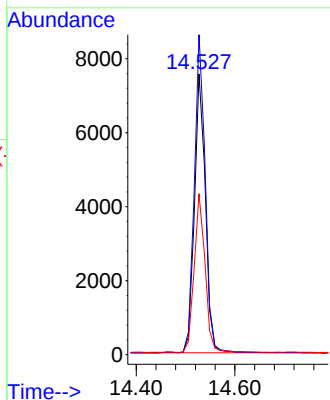
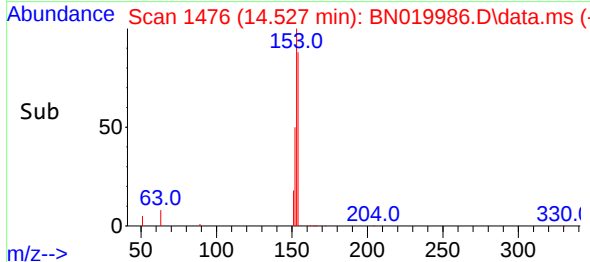
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



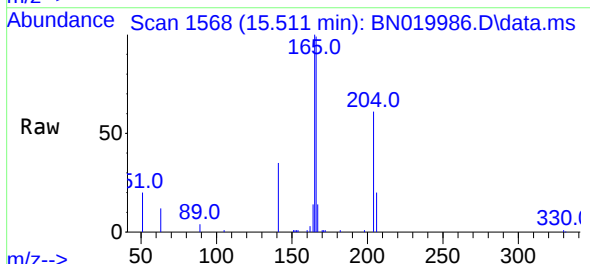
Tgt Ion:154 Resp: 1158  
Ion Ratio Lower Upper  
154 100  
153 113.9 87.5 131.3  
152 57.3 43.8 65.6

Manual Integrations  
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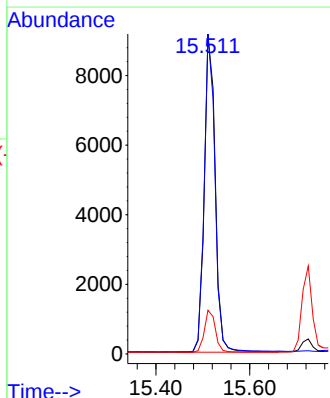
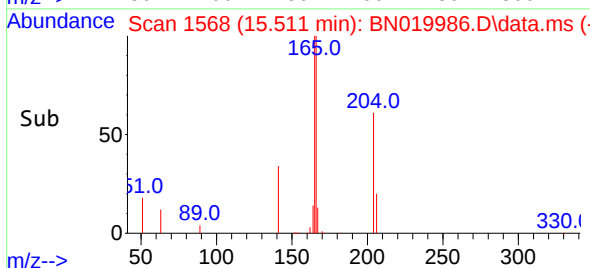
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

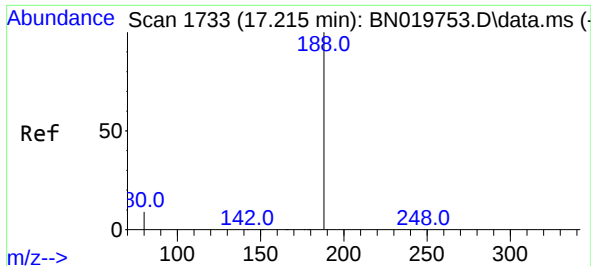


#18  
Fluorene  
Concen: 0.353 ng  
RT: 15.511 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



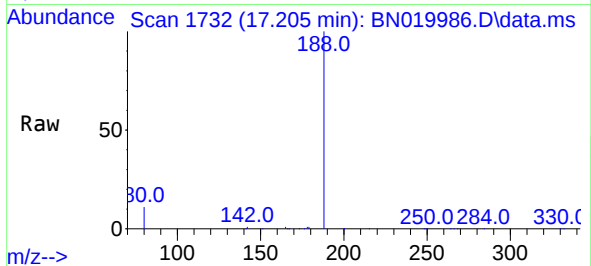
Tgt Ion:166 Resp: 14694  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.6 118.0  
167 13.4 10.8 16.2





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.205 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

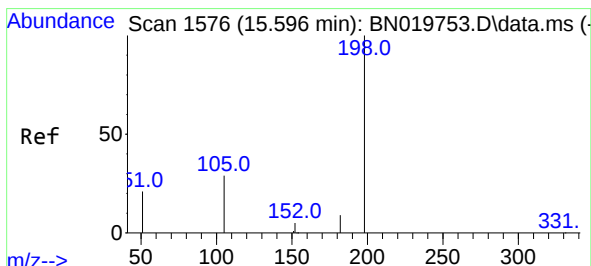
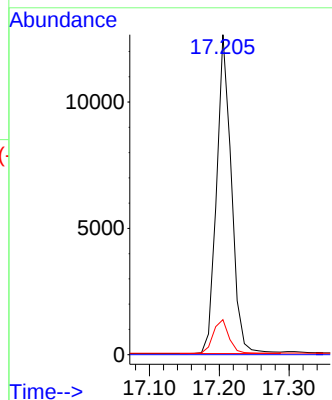
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



Tgt Ion:188 Resp: 1865  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.9 7.4 11.2

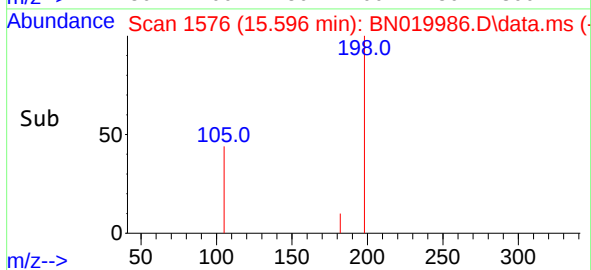
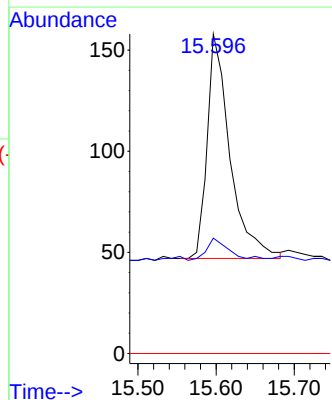
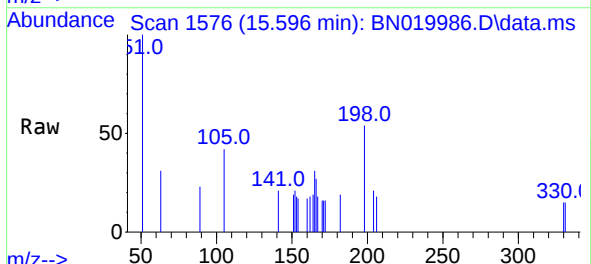
Manual Integrations  
APPROVED

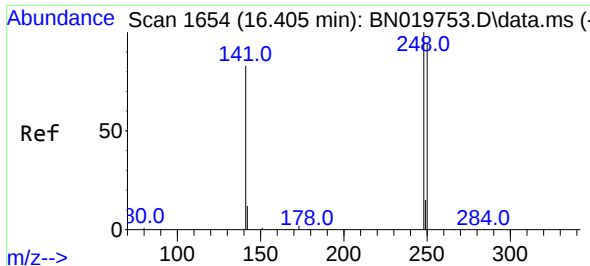
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.084 ng  
RT: 15.596 min Scan# 1576  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

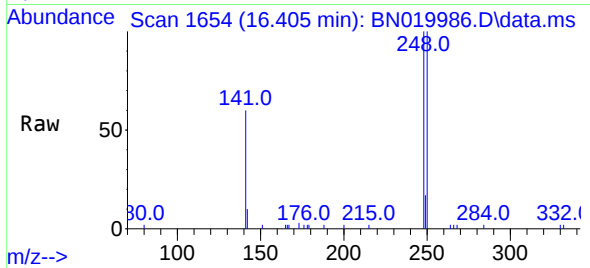
Tgt Ion:198 Resp: 226  
Ion Ratio Lower Upper  
198 100  
182 36.1 12.1 18.1#  
77 0.0 0.0 0.0





#21  
4-Bromophenyl-phenylether  
Concen: 0.393 ng  
RT: 16.405 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

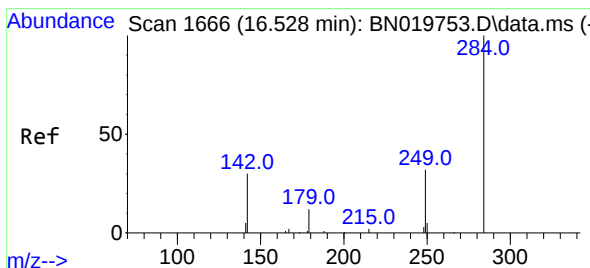
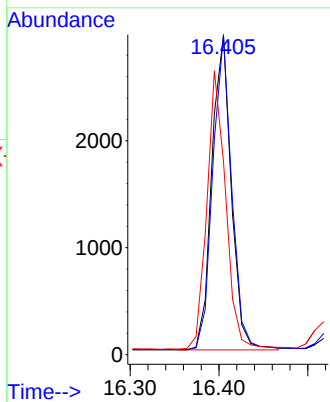
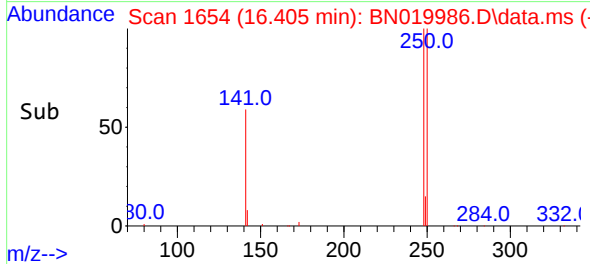
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



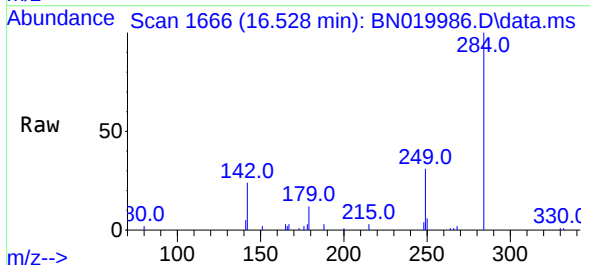
Tgt Ion:248 Resp: 4479  
Ion Ratio Lower Upper  
248 100  
250 99.8 75.3 112.9  
141 60.4 67.3 100.9

Manual Integrations  
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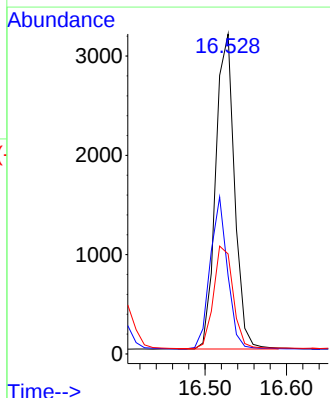
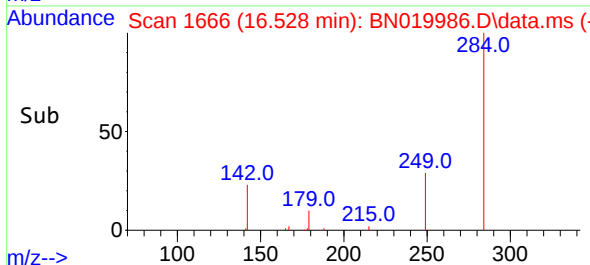
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

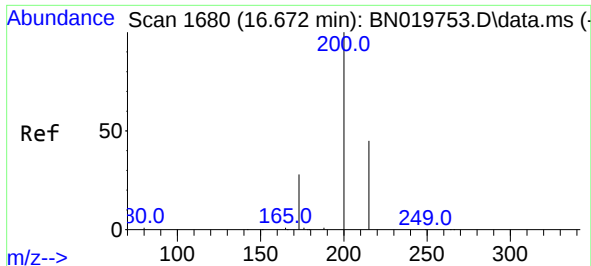


#22  
Hexachlorobenzene  
Concen: 0.403 ng  
RT: 16.528 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



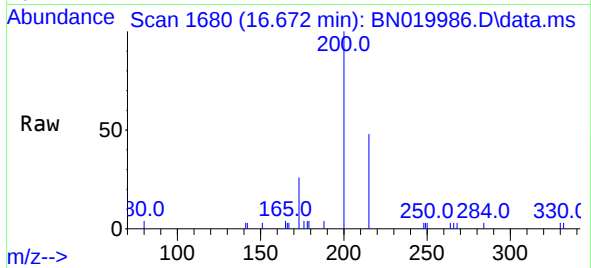
Tgt Ion:284 Resp: 5091  
Ion Ratio Lower Upper  
284 100  
142 44.2 35.2 52.8  
249 33.6 26.6 40.0





#23  
Atrazine  
Concen: 0.370 ng  
RT: 16.672 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

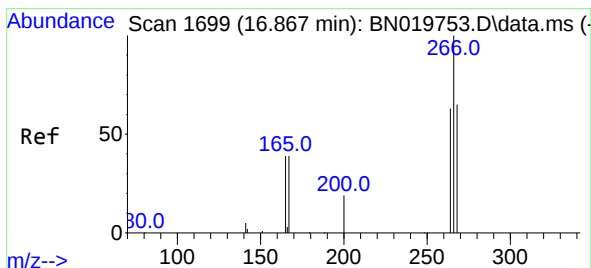
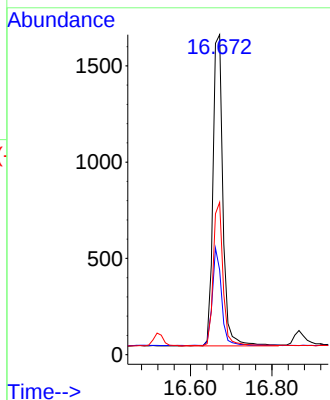
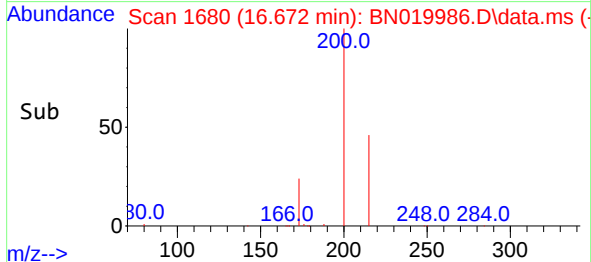
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



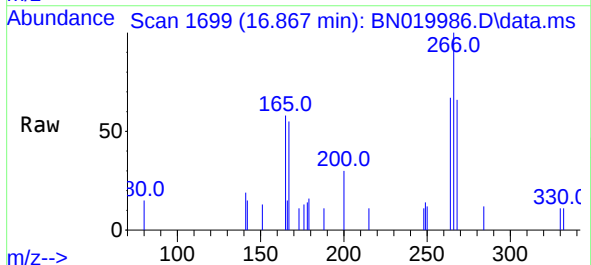
Tgt Ion:200 Resp: 2748  
Ion Ratio Lower Upper  
200 100  
173 26.5 23.6 35.4  
215 47.6 36.6 54.8

Manual Integrations  
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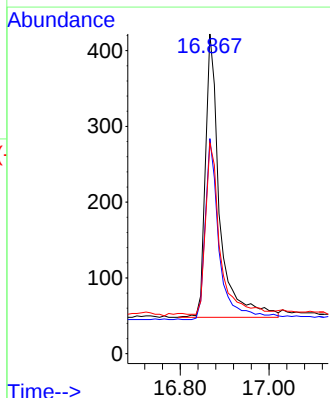
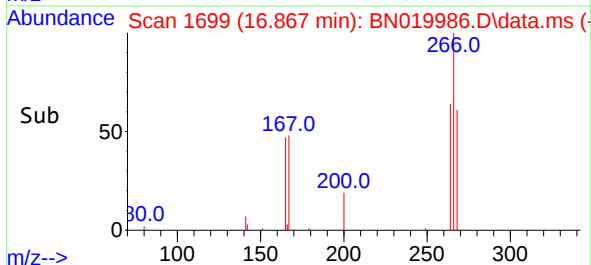
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

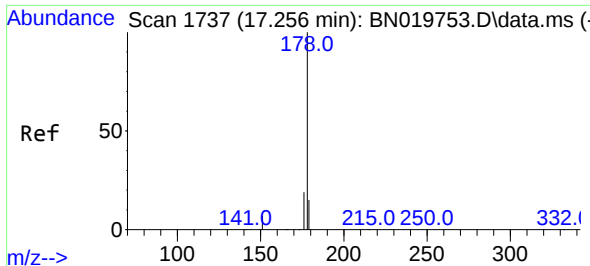


#24  
Pentachlorophenol  
Concen: 0.171 ng  
RT: 16.867 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



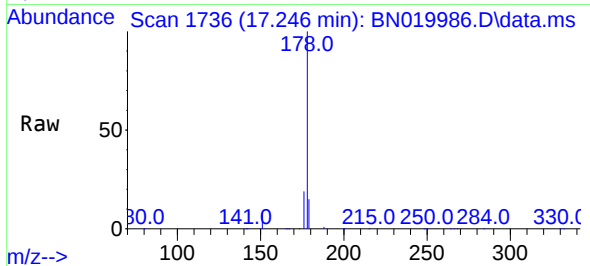
Tgt Ion:266 Resp: 833  
Ion Ratio Lower Upper  
266 100  
264 63.5 51.3 76.9  
268 60.7 52.6 79.0





#25  
Phenanthrene  
Concen: 0.365 ng  
RT: 17.246 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

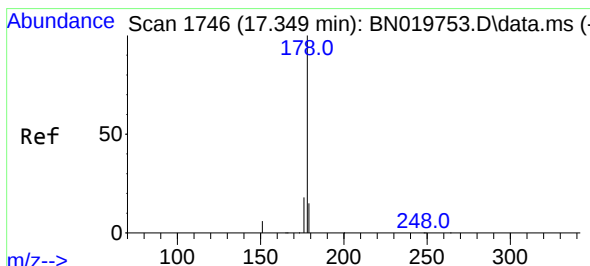
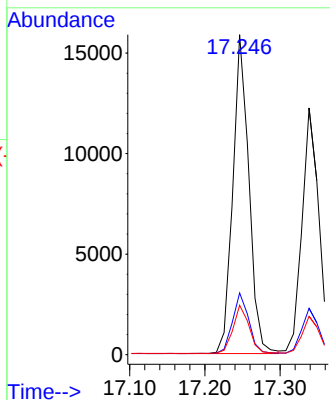
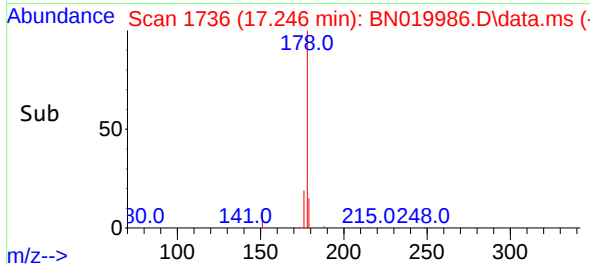
Instrument :  
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ClientSampleId :  
PB145066BSD



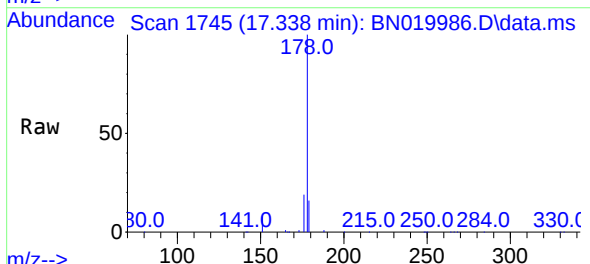
Tgt Ion:178 Resp: 2357  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.2 12.2 18.4

Manual Integrations  
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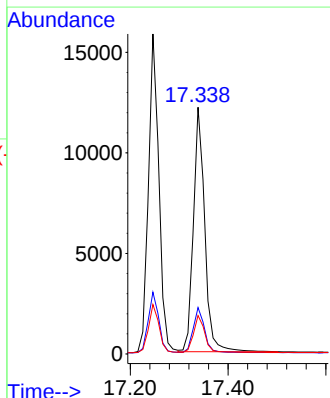
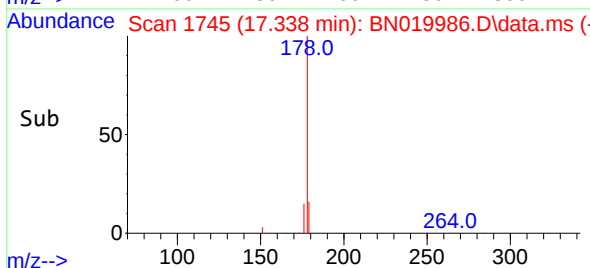
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

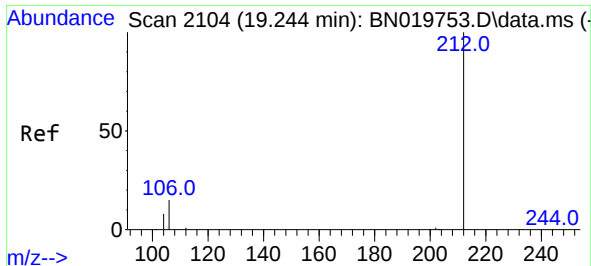


#26  
Anthracene  
Concen: 0.359 ng  
RT: 17.338 min Scan# 1745  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



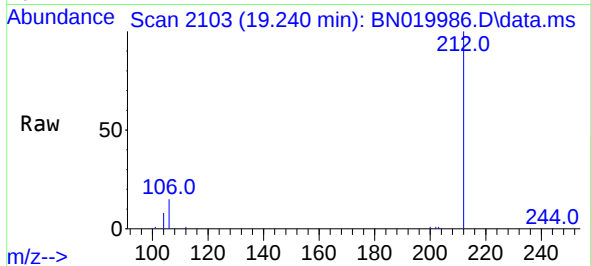
Tgt Ion:178 Resp: 19622  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.9 22.3  
179 15.3 12.2 18.4





#27  
Fluoranthene-d10  
Concen: 0.330 ng  
RT: 19.240 min Scan# 2104  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

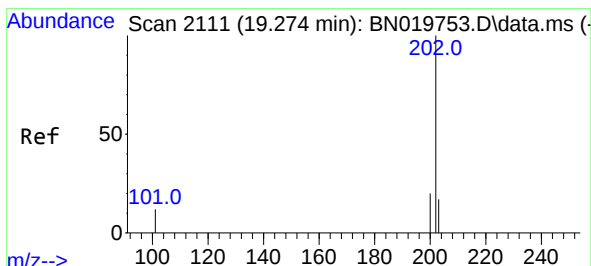
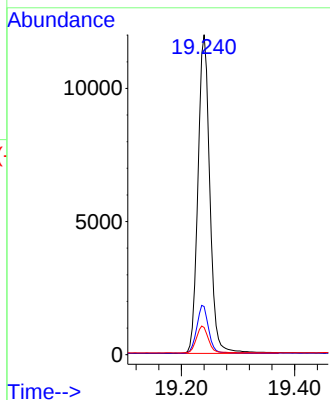
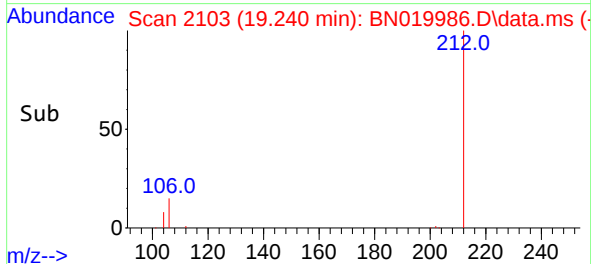
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



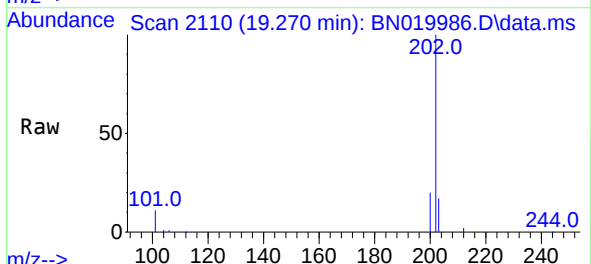
Tgt Ion:212 Resp: 17512  
Ion Ratio Lower Upper  
212 100  
106 14.9 12.6 19.0  
104 8.5 7.2 10.8

Manual Integrations  
APPROVED

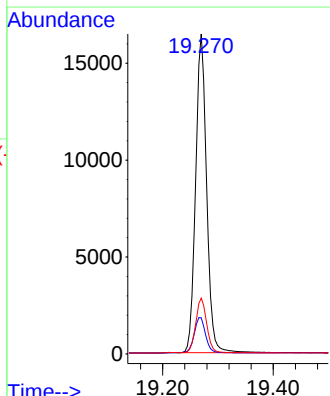
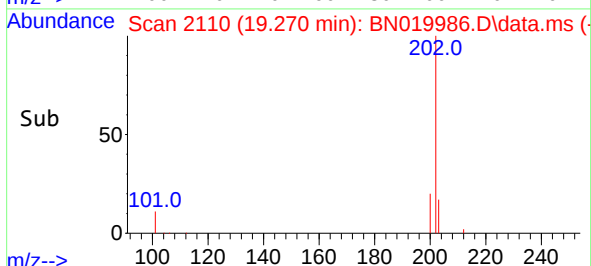
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

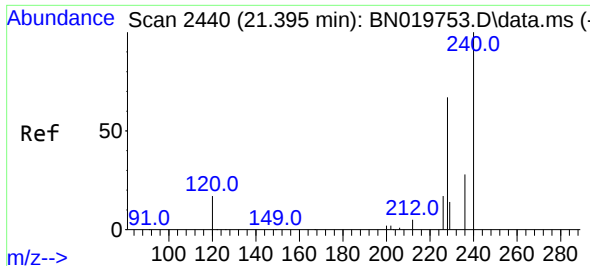


#28  
Fluoranthene  
Concen: 0.327 ng  
RT: 19.270 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



Tgt Ion:202 Resp: 22627  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.6 14.4  
203 17.0 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: BN019986.D  
Acq: 27 May 2022 00:29

Instrument :

BNA\_N

ClientSampleId :

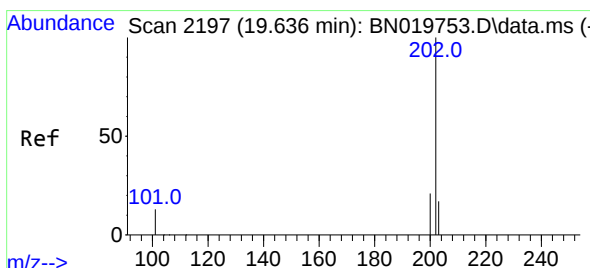
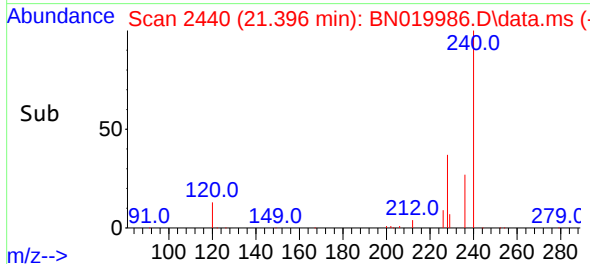
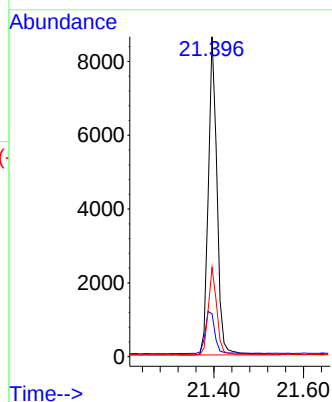
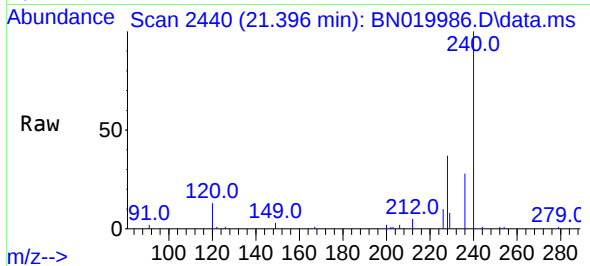
PB145066BSD

Tgt Ion:240 Resp: 1160  
Ion Ratio Lower Upper  
240 100  
120 13.4 14.6 21.8  
236 27.9 22.6 33.8

Manual Integrations

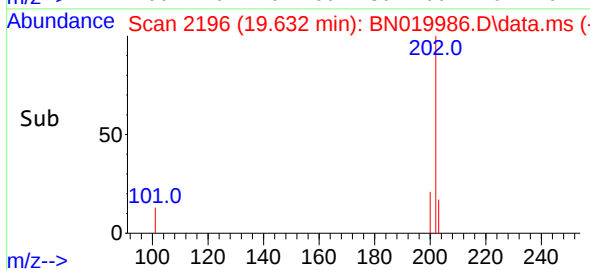
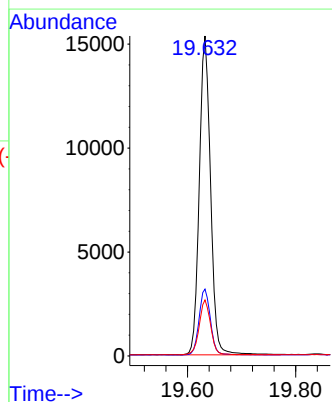
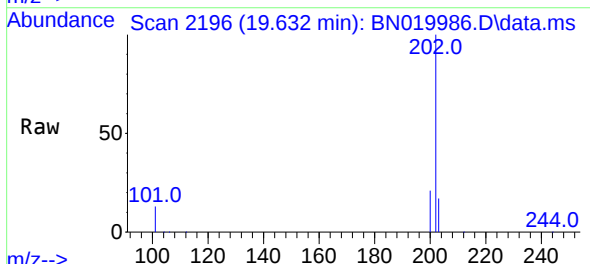
APPROVED

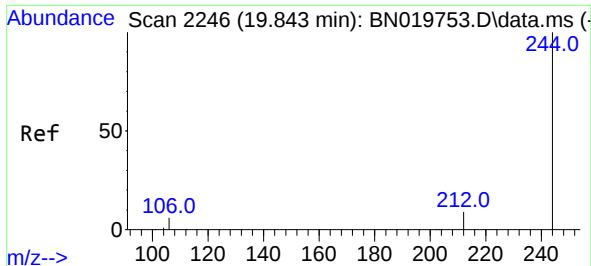
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#30  
Pyrene  
Concen: 0.449 ng  
RT: 19.632 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Tgt Ion:202 Resp: 22105  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.6 25.0  
203 17.4 14.2 21.2





#31  
Terphenyl-d14  
Concen: 0.454 ng  
RT: 19.839 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

Instrument :

BNA\_N

ClientSampleId :

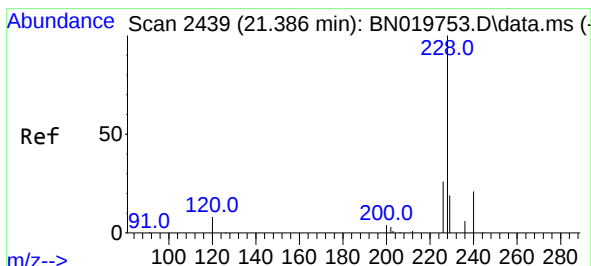
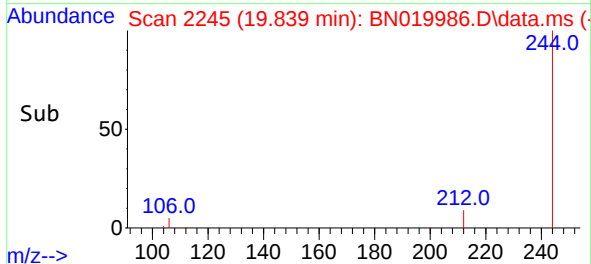
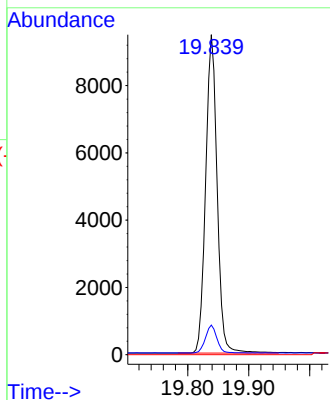
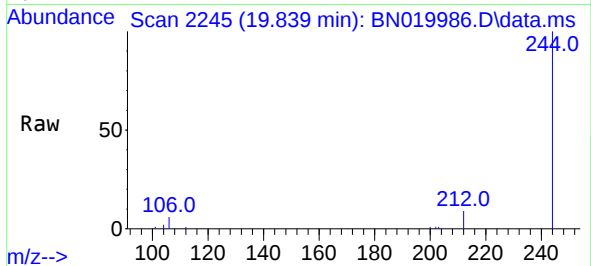
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Tgt Ion:244 Resp: 1241  
Ion Ratio Lower Upper  
244 100  
212 9.3 7.1 10.7  
122 0.0 0.0 0.0

Manual Integrations

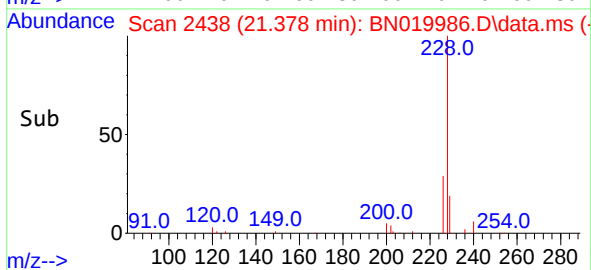
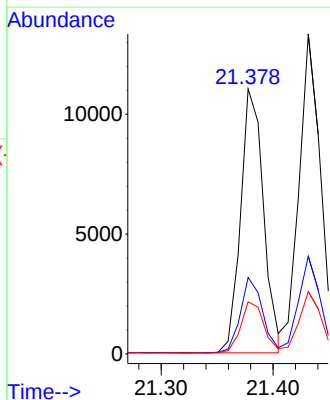
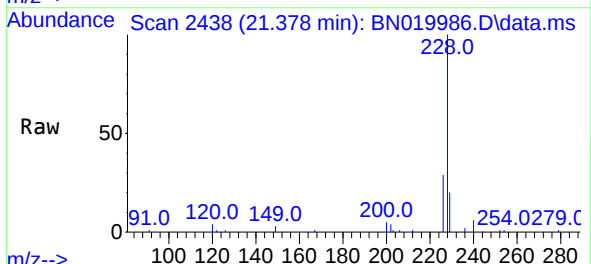
APPROVED

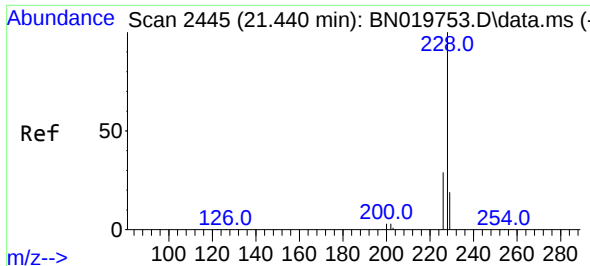
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#32  
Benzo(a)anthracene  
Concen: 0.371 ng  
RT: 21.378 min Scan# 2438  
Delta R.T. -0.009 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

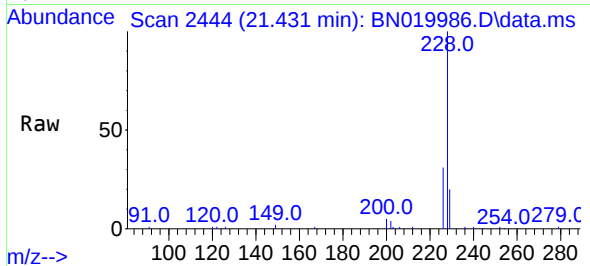
Tgt Ion:228 Resp: 15667  
Ion Ratio Lower Upper  
228 100  
226 28.9 21.2 31.8  
229 19.7 15.6 23.4





#33  
Chrysene  
Concen: 0.380 ng  
RT: 21.431 min Scan# 2445  
Delta R.T. -0.009 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

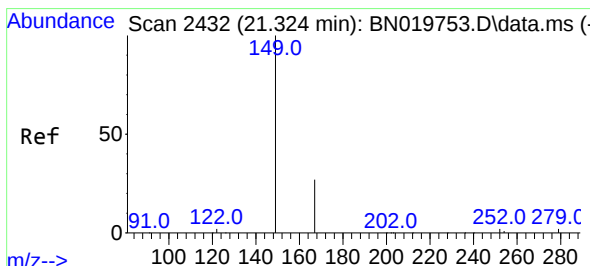
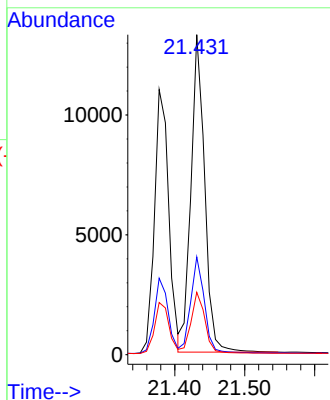
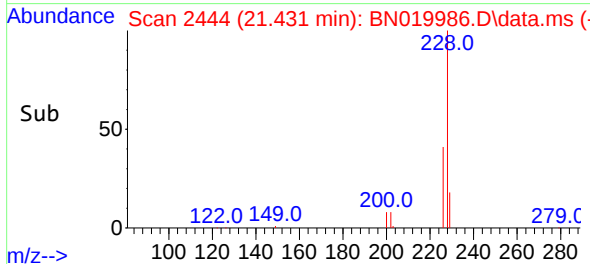
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



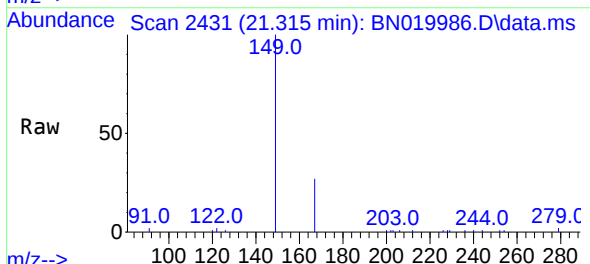
Tgt Ion:228 Resp: 1802  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.4 35.0  
229 19.5 15.7 23.5

Manual Integrations  
APPROVED

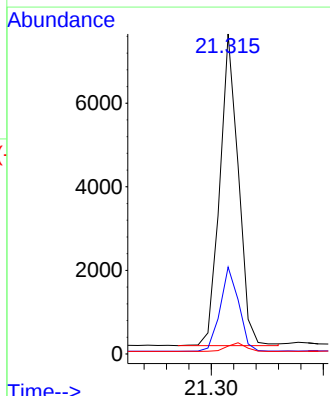
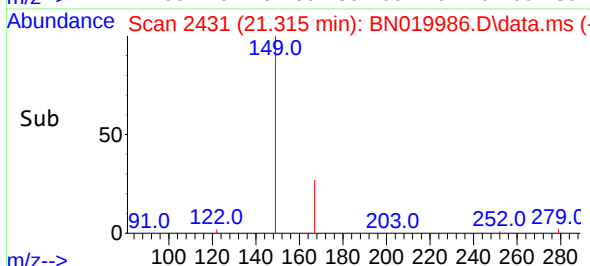
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

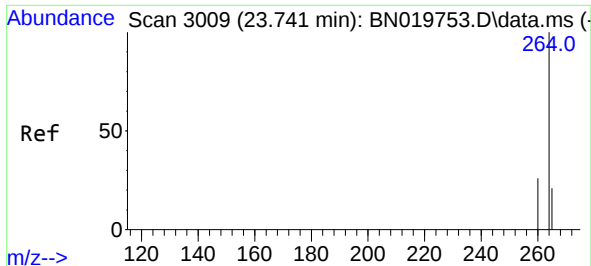


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.489 ng  
RT: 21.315 min Scan# 2431  
Delta R.T. -0.009 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



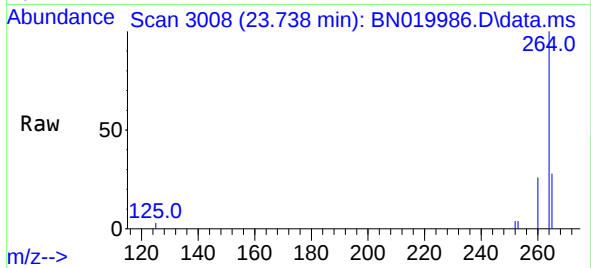
Tgt Ion:149 Resp: 8608  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.7 32.5  
279 2.9 2.2 3.2





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.738 min Scan# 3008  
Delta R.T. -0.003 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

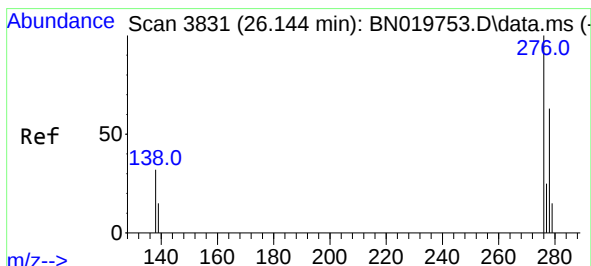
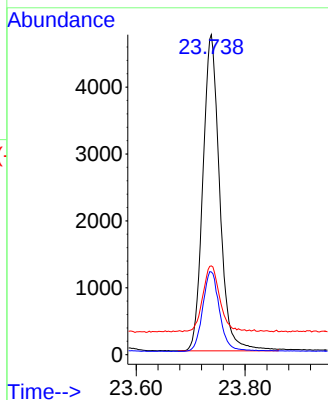
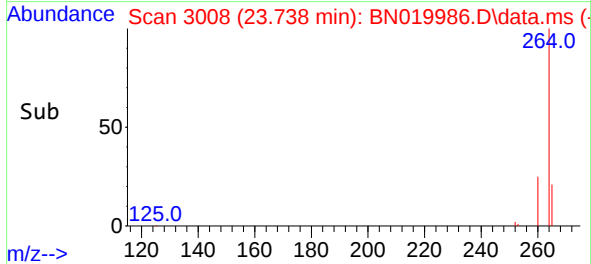
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



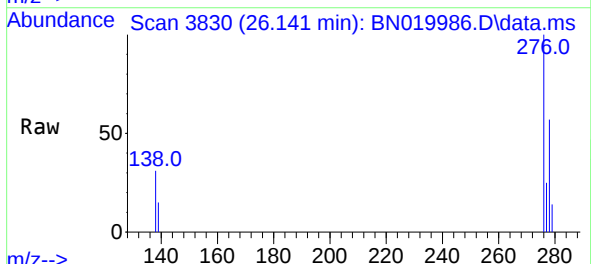
Tgt Ion:264 Resp: 1010  
Ion Ratio Lower Upper  
264 100  
260 25.8 20.9 31.3  
265 27.8 28.0 42.0

Manual Integrations  
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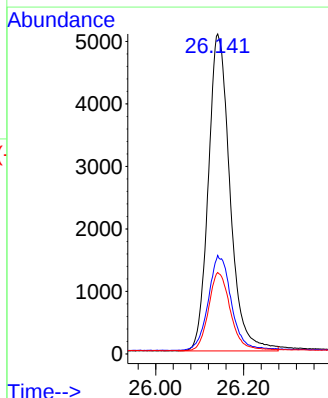
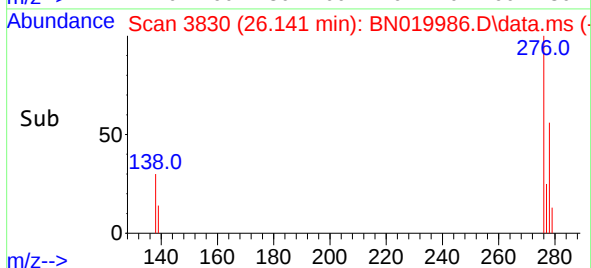
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

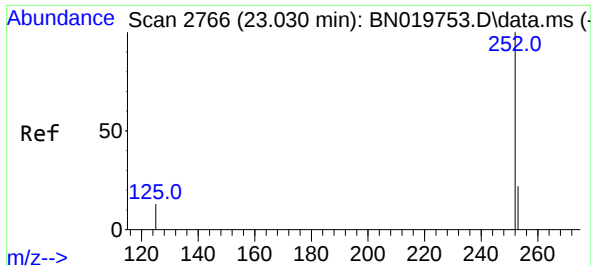


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.367 ng  
RT: 26.141 min Scan# 3830  
Delta R.T. -0.003 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



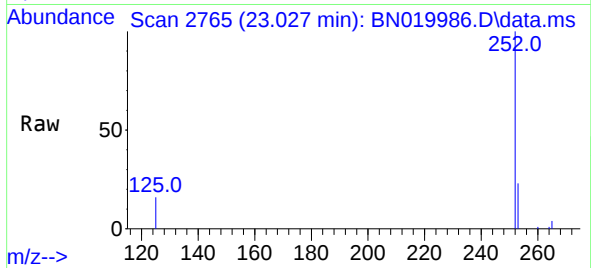
Tgt Ion:276 Resp: 17344  
Ion Ratio Lower Upper  
276 100  
138 31.9 25.9 38.9  
277 24.8 19.8 29.8





#37  
Benzo(b)fluoranthene  
Concen: 0.354 ng  
RT: 23.027 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29

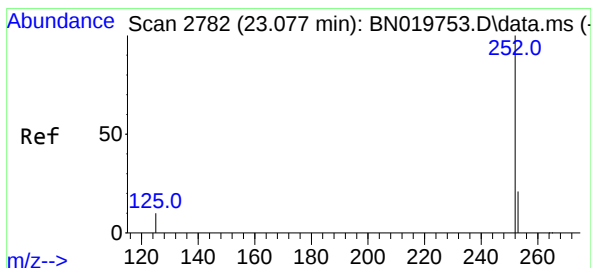
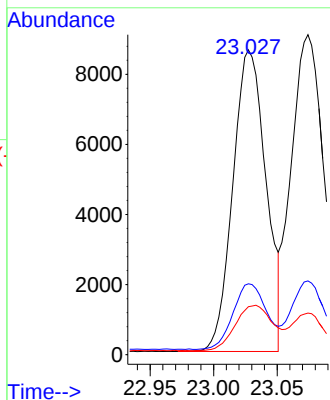
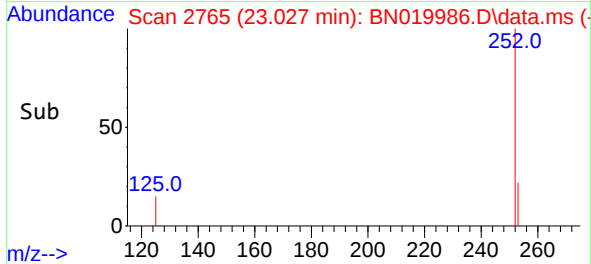
Instrument :  
BNA\_N  
ClientSampleId :  
PB145066BSD



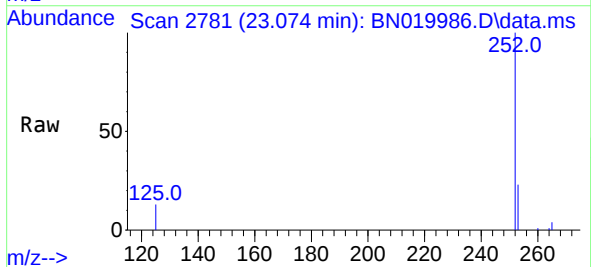
Tgt Ion:252 Resp: 15620  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.5 27.7  
125 15.8 11.4 17.0

Manual Integrations  
APPROVED

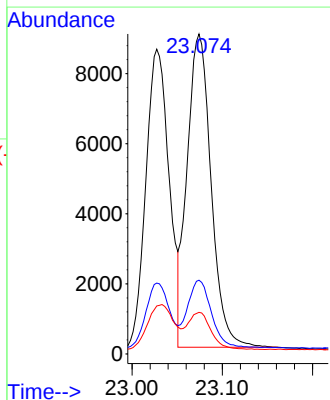
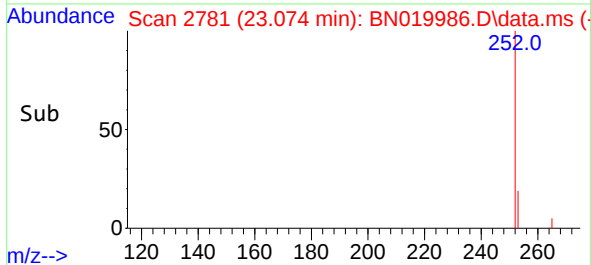
Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022

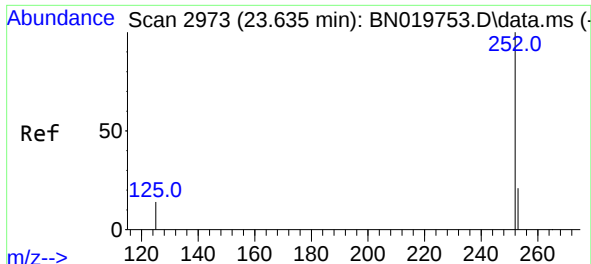


#38  
Benzo(k)fluoranthene  
Concen: 0.352 ng  
RT: 23.074 min Scan# 2781  
Delta R.T. -0.003 min  
Lab File: BN019986.D  
Acq: 27 May 2022 00:29



Tgt Ion:252 Resp: 16497  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.0 27.0  
125 13.0 11.0 16.4





#39

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.636 min Scan# 2973

Delta R.T. -0.003 min

Lab File: BN019986.D

Acq: 27 May 2022 00:29

Instrument :

BNA\_N

ClientSampleId :

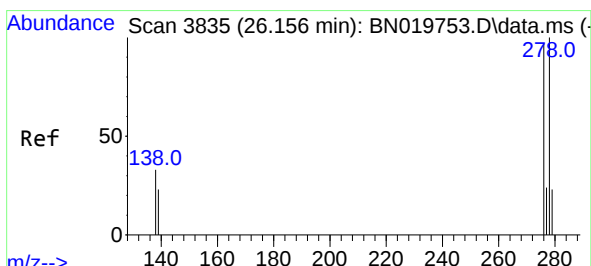
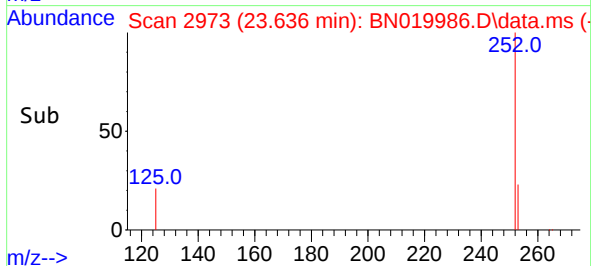
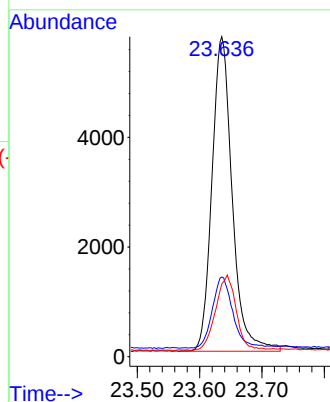
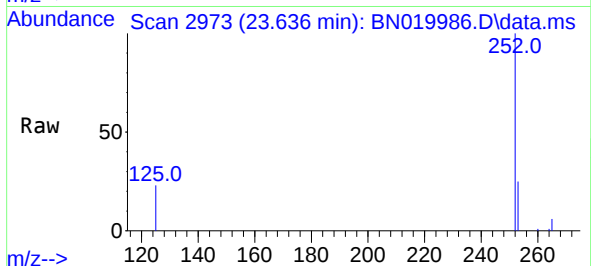
PB145066BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12954 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.9  | 19.0  | 28.4  |
| 125       | 22.7  | 13.8  | 20.8  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/27/2022  
Supervised By :Jagrut Upadhyay 05/27/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.360 ng

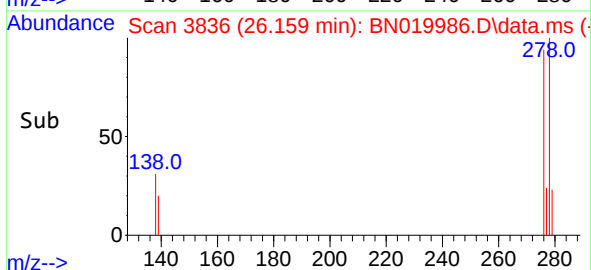
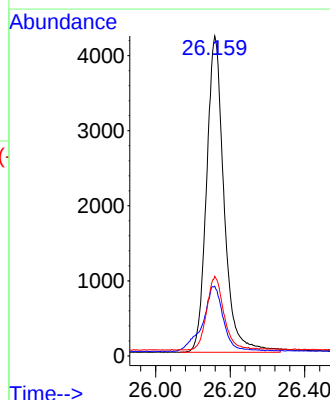
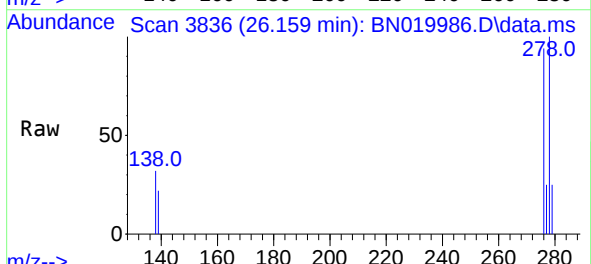
RT: 26.159 min Scan# 3836

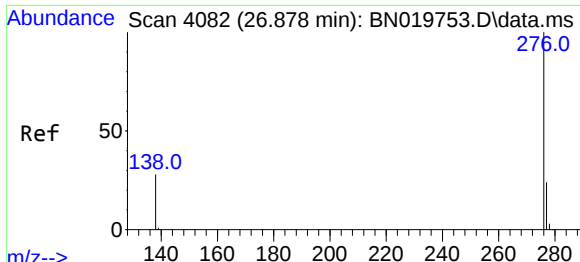
Delta R.T. -0.003 min

Lab File: BN019986.D

Acq: 27 May 2022 00:29

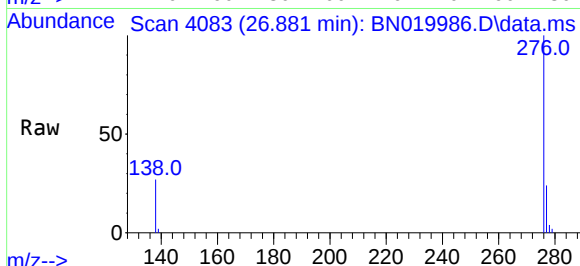
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 13728 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 21.8  | 18.6  | 28.0  |
| 279       | 24.9  | 19.7  | 29.5  |





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.355 ng  
 RT: 26.881 min Scan# 40  
 Delta R.T. 0.003 min  
 Lab File: BN019986.D  
 Acq: 27 May 2022 00:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB145066BSD



Tgt Ion:276 Resp: 13939  
 Ion Ratio Lower Upper  
 276 100  
 277 24.2 19.5 29.3  
 138 27.4 22.6 34.0

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 05/27/2022  
 Supervised By :Jagrut Upadhyay 05/27/2022

