

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070721\  
 Data File : BN015380.D  
 Acq On : 07 Jul 2021 19:02  
 Operator : CG/JU  
 Sample : PB137465BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB137465BS

Manual Integrations  
 APPROVED

mohammad  
 7/8/2021 9:14:17 AM

Quant Time: Jul 08 01:23:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 07 11:11:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.725  | 152  | 19266    | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.495 | 136  | 85303    | 0.40 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.332 | 164  | 45363    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.091 | 188  | 84423    | 0.40 | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.291 | 240  | 79871    | 0.40 | ng    | 0.00     |
| 35) Perylene-d12              | 23.532 | 264  | 79310    | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.337  | 112  | 23491    | 0.48 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.896  | 99   | 28875    | 0.47 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.861  | 82   | 25615    | 0.54 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.078 | 152  | 55005    | 0.39 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.829 | 330  | 7764     | 0.62 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.962 | 172  | 71083    | 0.39 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.123 | 212  | 97534    | 0.39 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.728 | 244  | 71789    | 0.38 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.346  | 88   | 4158m    | 0.46 | ng    |          |
| 3) n-Nitrosodimethylamine     | 3.668  | 42   | 6725     | 0.40 | ng    | # 79     |
| 6) bis(2-Chloroethyl)ether    | 7.154  | 93   | 24506    | 0.40 | ng    | # 85     |
| 9) Naphthalene                | 10.533 | 128  | 96835    | 0.40 | ng    | 97       |
| 10) Hexachlorobutadiene       | 10.825 | 225  | 18432    | 0.40 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.150 | 142  | 63578    | 0.40 | ng    | # 90     |
| 16) Acenaphthylene            | 14.053 | 152  | 83612    | 0.42 | ng    | 98       |
| 17) Acenaphthene              | 14.396 | 154  | 55915    | 0.40 | ng    | 97       |
| 18) Fluorene                  | 15.385 | 166  | 67376    | 0.39 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.474 | 198  | 2484     | 1.37 | ng    | # 53     |
| 21) 4-Bromophenyl-phenylether | 16.287 | 248  | 20613    | 0.39 | ng    | # 93     |
| 22) Hexachlorobenzene         | 16.397 | 284  | 23141    | 0.38 | ng    | # 92     |
| 23) Atrazine                  | 16.555 | 200  | 15545    | 0.51 | ng    | 93       |
| 24) Pentachlorophenol         | 16.738 | 266  | 7097     | 0.89 | ng    | 99       |
| 25) Phenanthrene              | 17.127 | 178  | 106112   | 0.39 | ng    | 99       |
| 26) Anthracene                | 17.212 | 178  | 93144    | 0.40 | ng    | 99       |
| 28) Fluoranthene              | 19.152 | 202  | 117744   | 0.40 | ng    | # 97     |
| 30) Pyrene                    | 19.520 | 202  | 117576   | 0.39 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.270 | 228  | 112826   | 0.41 | ng    | 98       |
| 33) Chrysene                  | 21.323 | 228  | 113842   | 0.38 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.206 | 149  | 55834    | 0.70 | ng    | # 88     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.781 | 276  | 121775   | 0.43 | ng    | # 88     |
| 37) Benzo(b)fluoranthene      | 22.858 | 252  | 119128   | 0.38 | ng    | # 89     |
| 38) Benzo(k)fluoranthene      | 22.903 | 252  | 123046   | 0.37 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.433 | 252  | 109935   | 0.39 | ng    | # 73     |
| 40) Dibenzo(a,h)anthracene    | 25.792 | 278  | 99211    | 0.45 | ng    | # 91     |
| 41) Benzo(g,h,i)perylene      | 26.469 | 276  | 101789   | 0.41 | ng    | # 89     |
| -----                         |        |      |          |      |       |          |

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

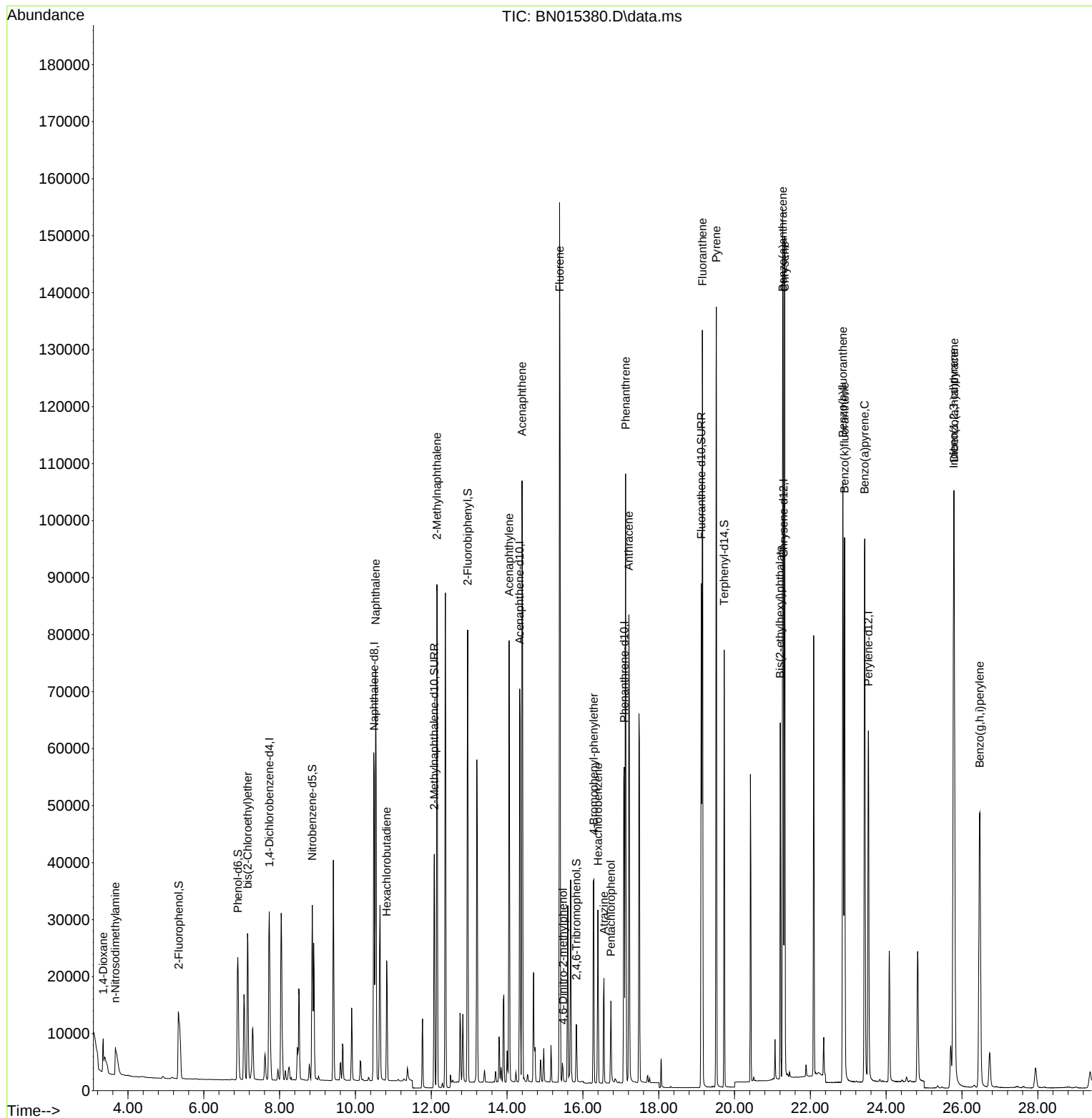
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070721\  
Data File : BN015380.D  
Acq On : 07 Jul 2021 19:02  
Operator : CG/JU  
Sample : PB137465BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

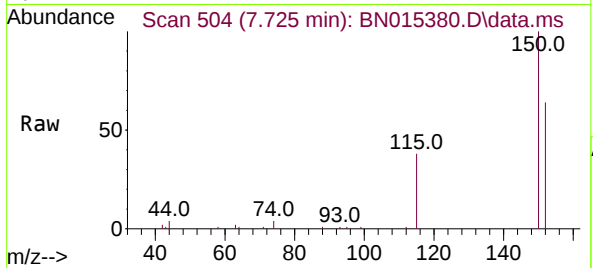
mohammad  
7/8/2021 9:14:17 AM

Quant Time: Jul 08 01:23:25 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 07 11:11:38 2021  
Response via : Initial Calibration

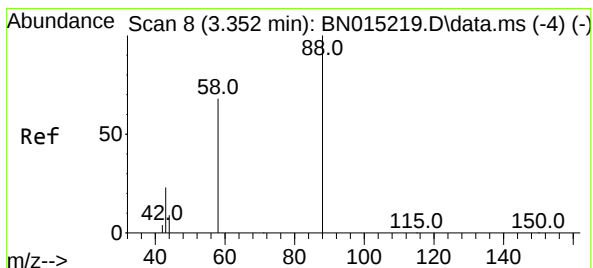
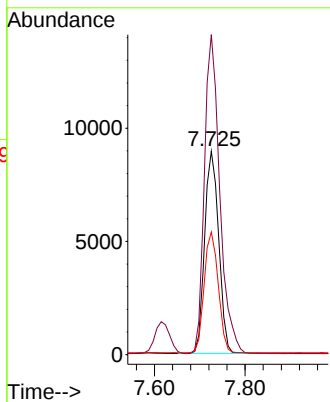
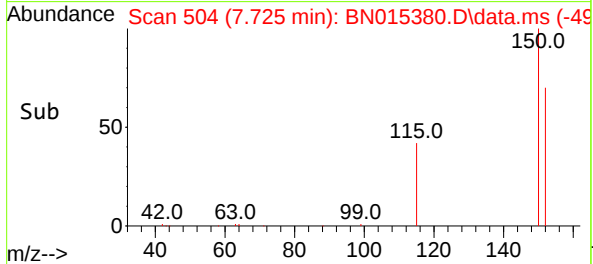




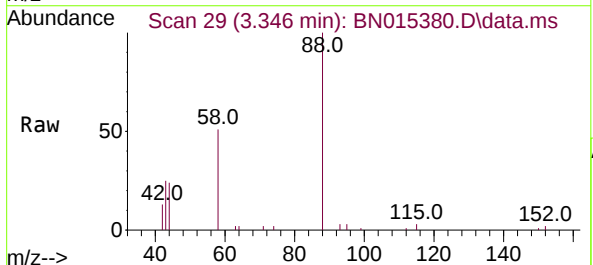
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.725 min Scan# 504  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



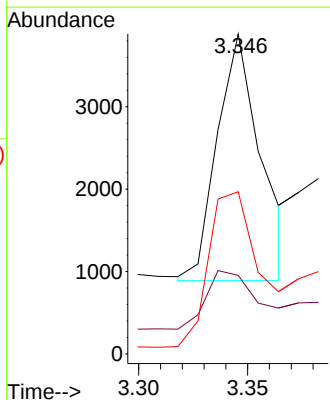
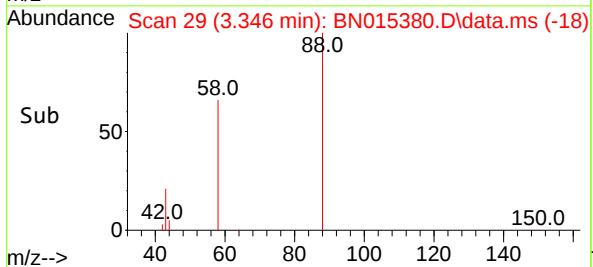
Tgt Ion: 152 Resp: 19266  
Ion Ratio Lower Upper  
152 100  
150 157.3 119.0 178.6  
115 60.3 62.2 93.4#



#2  
1,4-Dioxane  
Concen: 0.46 ng m  
RT: 3.346 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



Tgt Ion: 88 Resp: 4158  
Ion Ratio Lower Upper  
88 100  
43 28.1 12.9 19.3#  
58 74.4 38.1 57.1#



Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



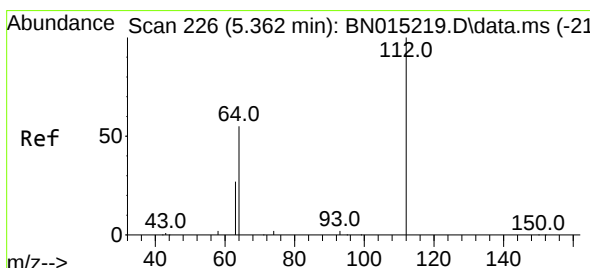
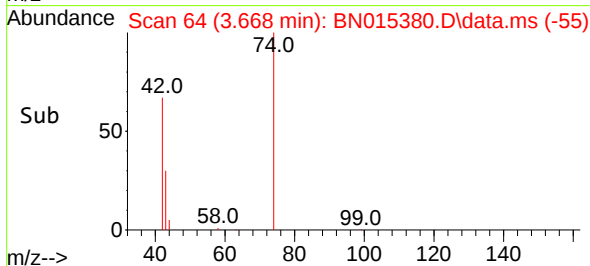
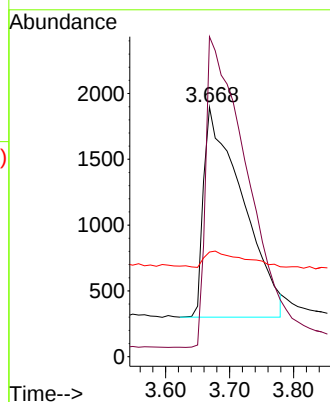
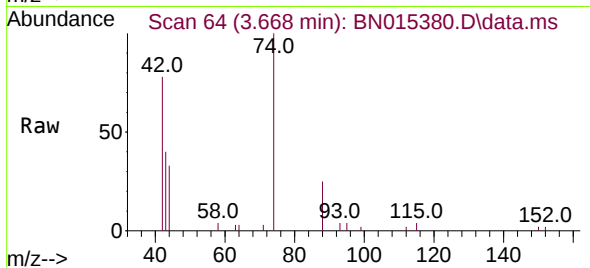
#3  
n-Nitrosodimethylamine  
Concen: 0.40 ng  
RT: 3.668 min Scan# 64  
Delta R.T. -0.018 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion: 42 Resp: 6725  
Ion Ratio Lower Upper  
42 100  
74 155.8 149.5 224.3  
44 7.2 4.2 6.2#

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

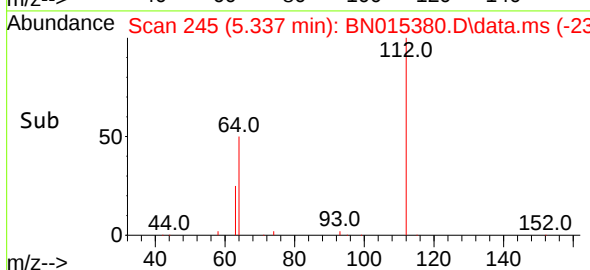
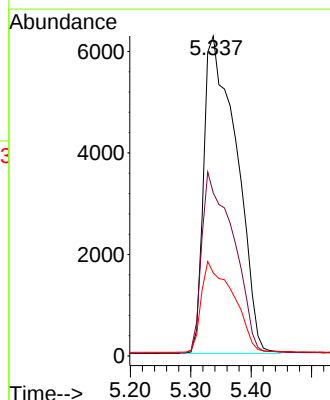
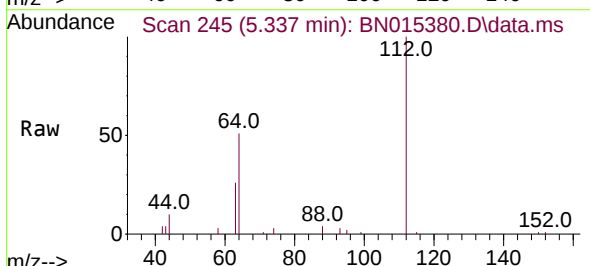
Manual Integrations  
APPROVED

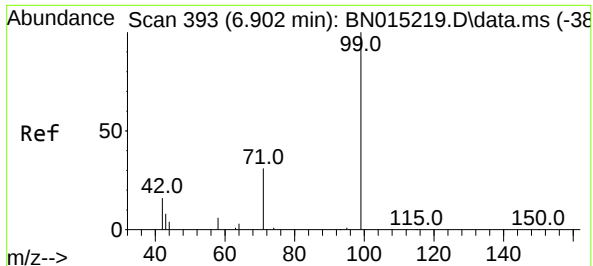
mohammad  
7/8/2021 9:14:17 AM



#4  
2-Fluorophenol  
Concen: 0.48 ng  
RT: 5.337 min Scan# 245  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion: 112 Resp: 23491  
Ion Ratio Lower Upper  
112 100  
64 55.4 39.0 58.6  
63 27.7 20.6 30.8





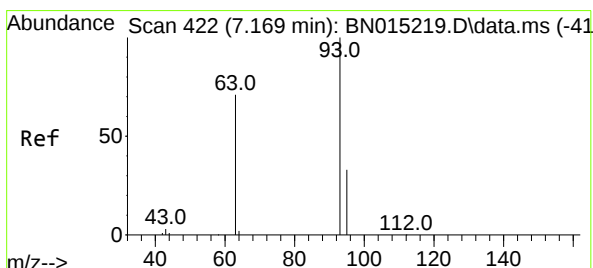
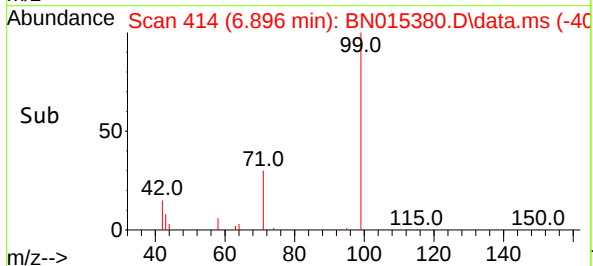
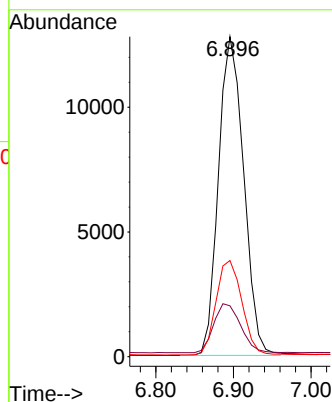
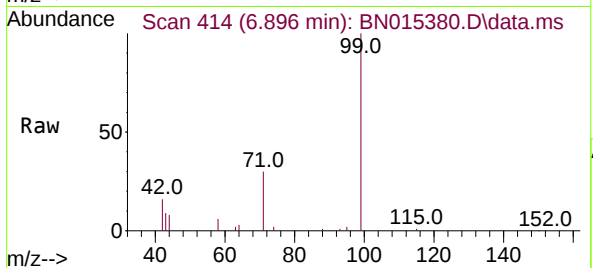
#5  
Phenol-d6  
Concen: 0.47 ng  
RT: 6.896 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion: 99 Resp: 28875  
Ion Ratio Lower Upper  
99 100  
42 16.3 8.9 13.3#  
71 30.4 35.6 53.4#

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

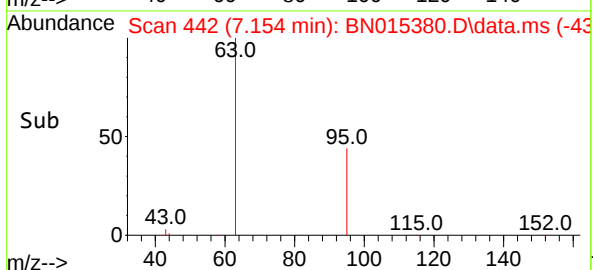
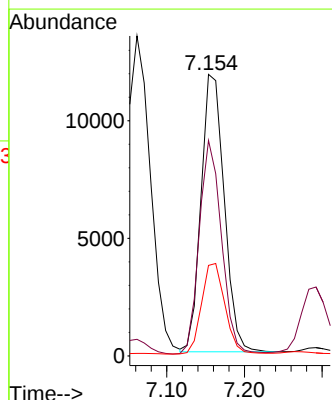
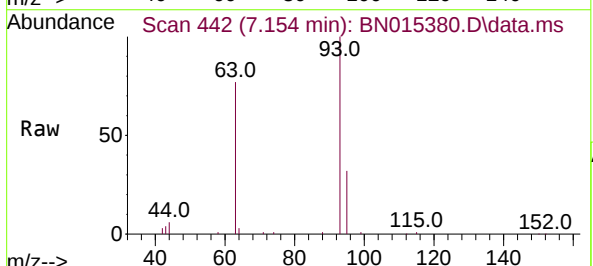
Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



#6  
bis(2-Chloroethyl)ether  
Concen: 0.40 ng  
RT: 7.154 min Scan# 442  
Delta R.T. -0.009 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

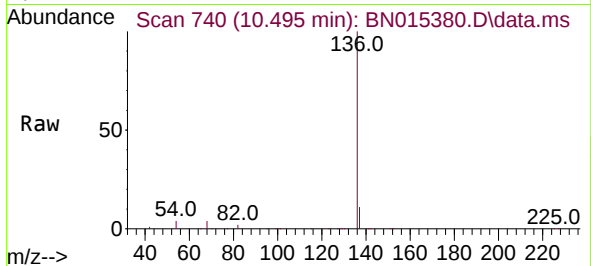
Tgt Ion: 93 Resp: 24506  
Ion Ratio Lower Upper  
93 100  
63 73.8 46.6 70.0#  
95 32.9 28.6 42.8





#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.495 min Scan# 740  
Delta R.T. 0.013 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

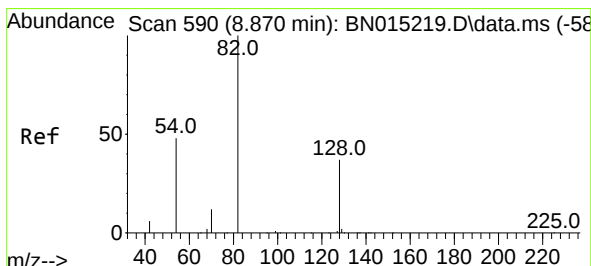
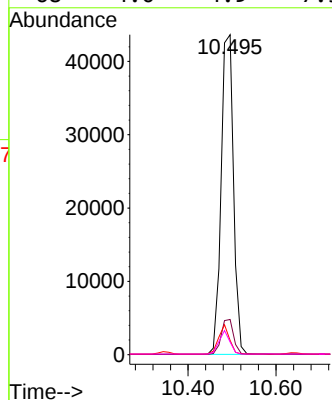
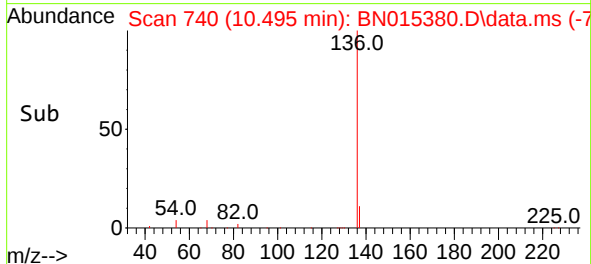
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS



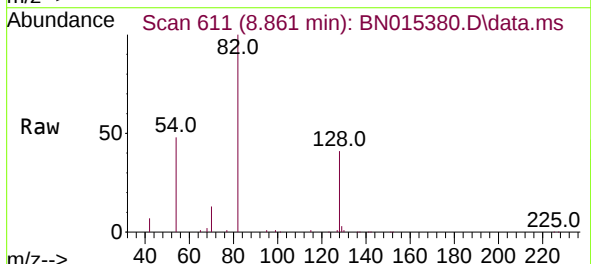
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 9.8   | 14.8  |
| 54      | 4.4   | 5.4   | 8.2#  |
| 68      | 4.0   | 4.9   | 7.3#  |

Manual Integrations  
APPROVED

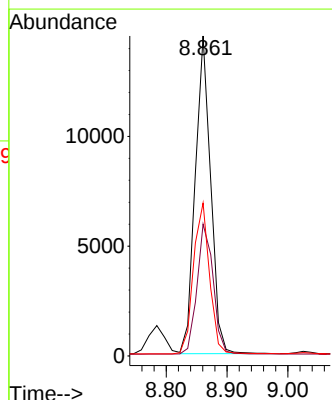
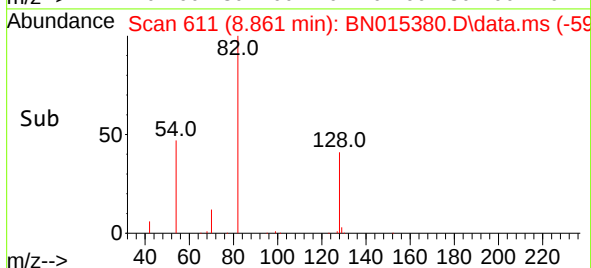
mohammad  
7/8/2021 9:14:17 AM

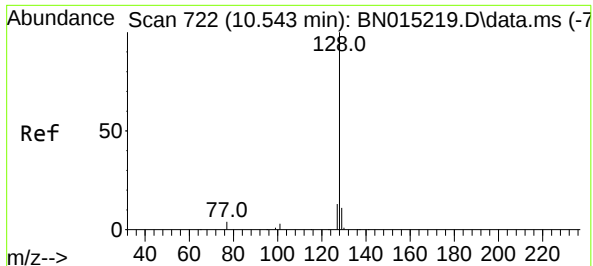


#8  
Nitrobenzene-d5  
Concen: 0.54 ng  
RT: 8.861 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.2  | 31.6  | 47.4  |
| 54      | 47.8  | 29.0  | 43.4# |





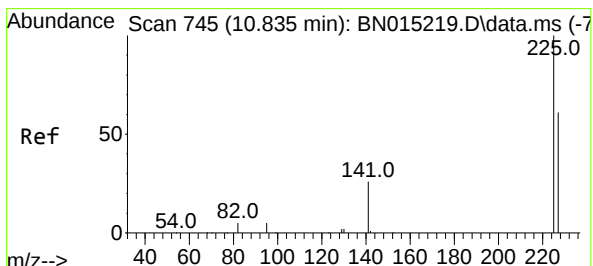
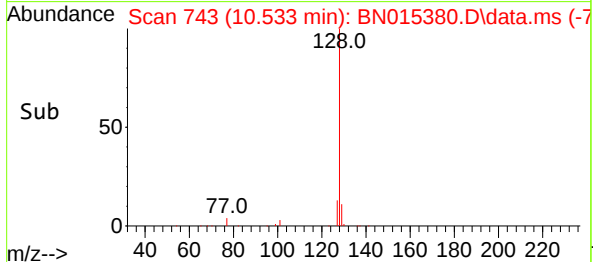
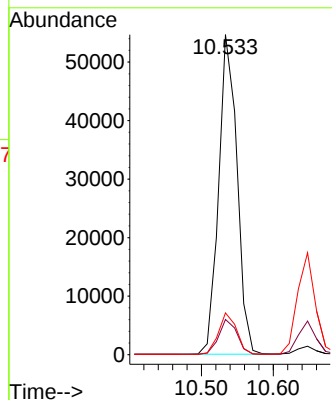
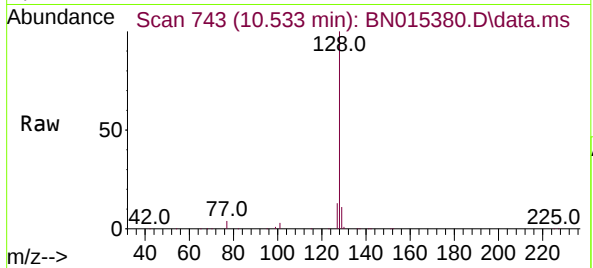
#9  
Naphthalene  
Concen: 0.40 ng  
RT: 10.533 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 96835 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.0  | 9.1   | 13.7  |
| 127       | 13.0  | 11.8  | 17.6  |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

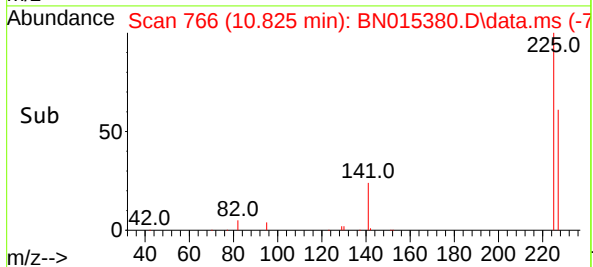
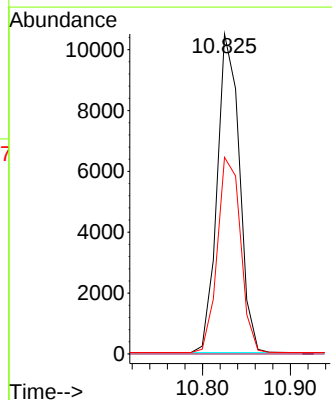
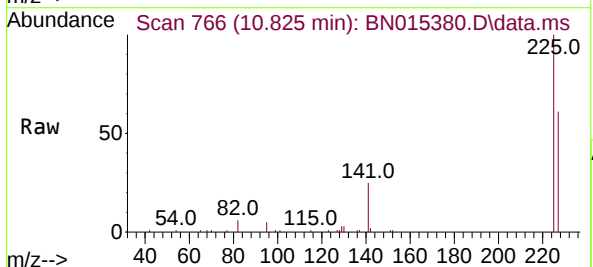
Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



#10  
Hexachlorobutadiene  
Concen: 0.40 ng  
RT: 10.825 min Scan# 766  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 18432 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 0.0   | 0.0   | 0.0   |
| 227       | 63.7  | 50.2  | 75.2  |





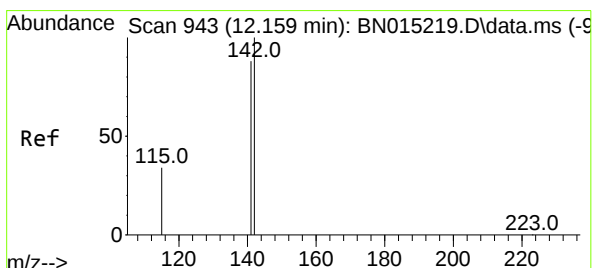
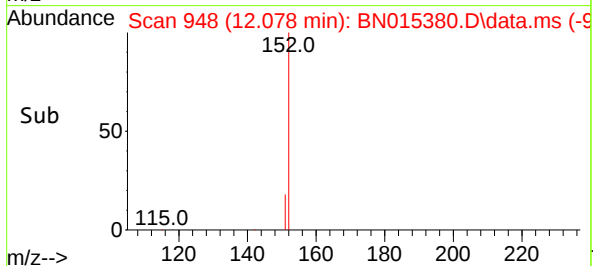
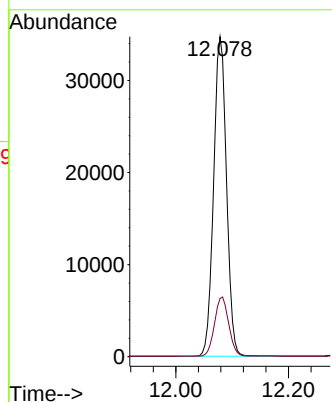
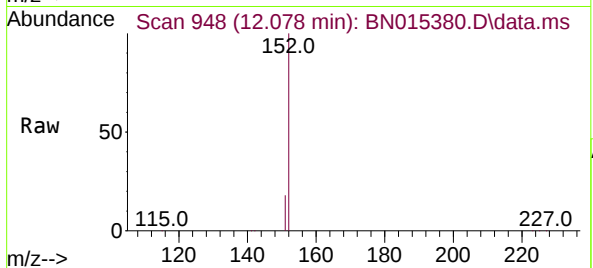
#11  
2-Methylnaphthalene-d10  
Concen: 0.39 ng  
RT: 12.078 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:152 Resp: 55005  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.7 25.1

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

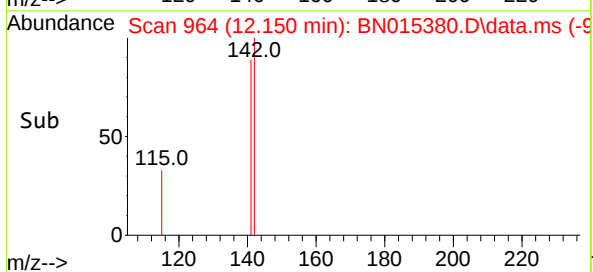
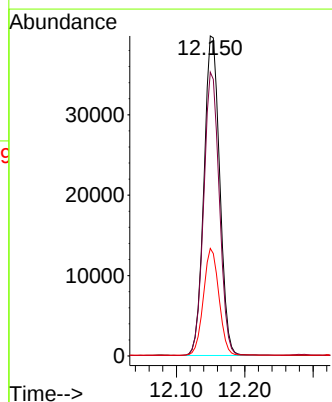
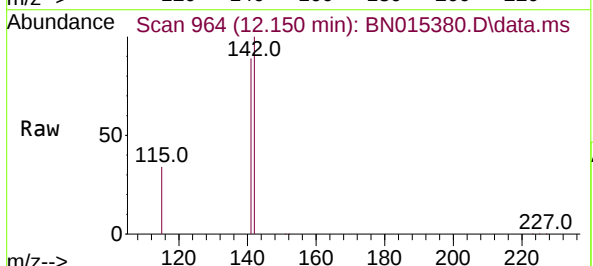
Manual Integrations  
APPROVED

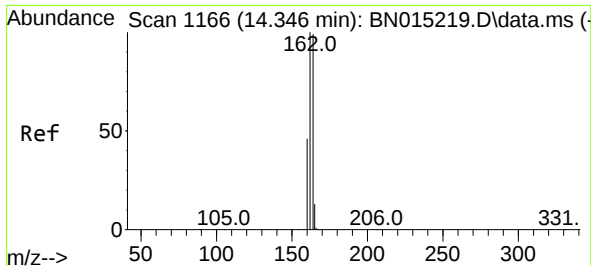
mohammad  
7/8/2021 9:14:17 AM



#12  
2-Methylnaphthalene  
Concen: 0.40 ng  
RT: 12.150 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

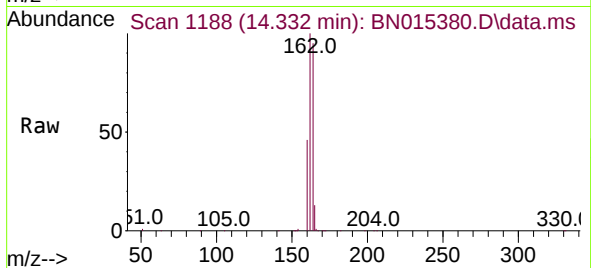
Tgt Ion:142 Resp: 63578  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.3 108.5  
115 33.6 40.7 61.1#





#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.332 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

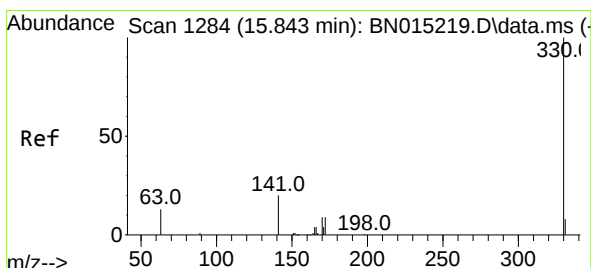
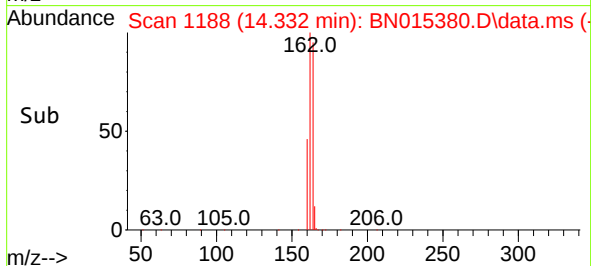
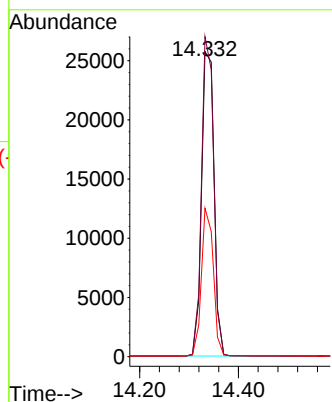
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS



Tgt Ion:164 Resp: 45363  
Ion Ratio Lower Upper  
164 100  
162 104.9 83.8 125.6  
160 48.7 37.4 56.0

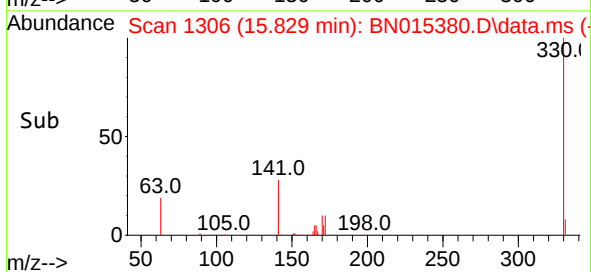
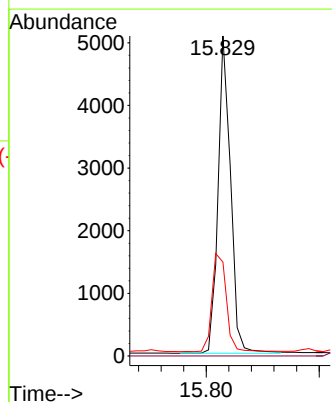
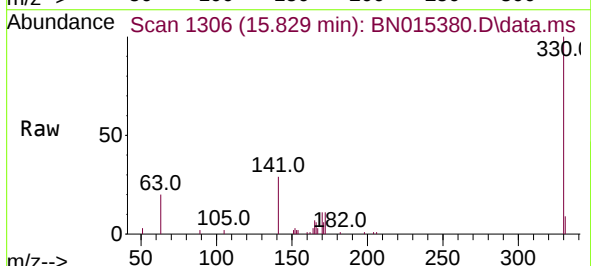
Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



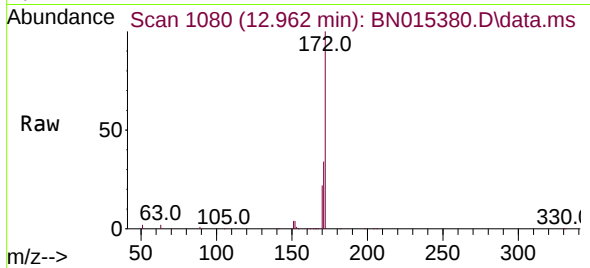
#14  
2,4,6-Tribromophenol  
Concen: 0.62 ng  
RT: 15.829 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:330 Resp: 7764  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 35.5 22.4 33.6#

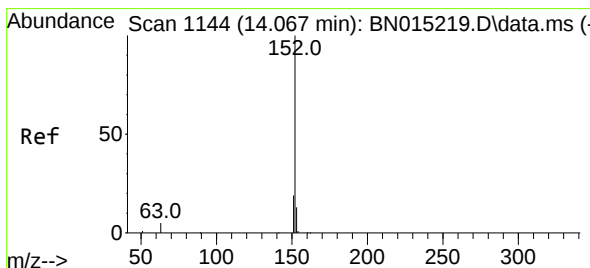
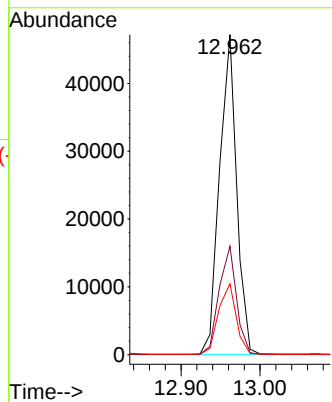
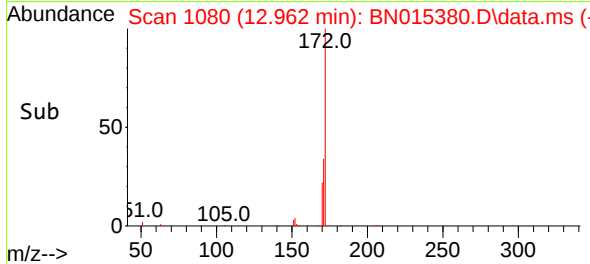




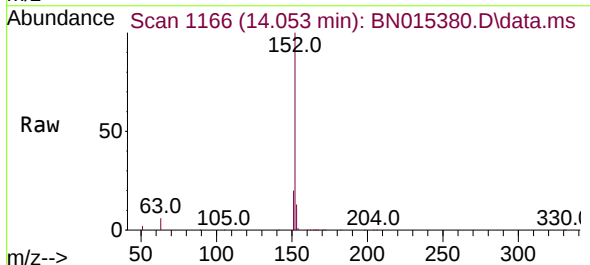
#15  
2-Fluorobiphenyl  
Concen: 0.39 ng  
RT: 12.962 min Scan# 1080  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



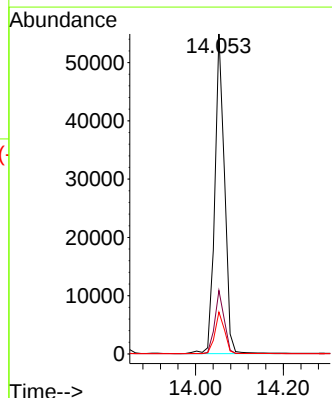
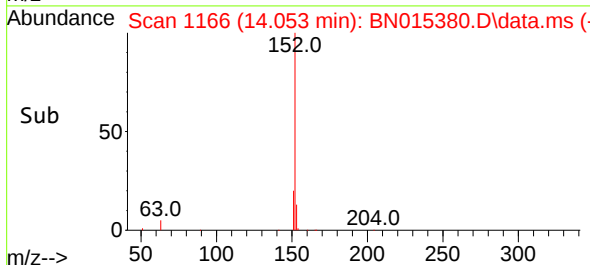
Tgt Ion:172 Resp: 71083  
Ion Ratio Lower Upper  
172 100  
171 33.9 30.6 45.8  
170 22.2 20.2 30.4



#16  
Acenaphthylene  
Concen: 0.42 ng  
RT: 14.053 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



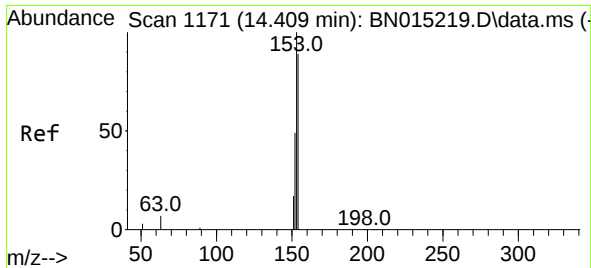
Tgt Ion:152 Resp: 83612  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.7 25.1  
153 13.1 10.5 15.7



Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



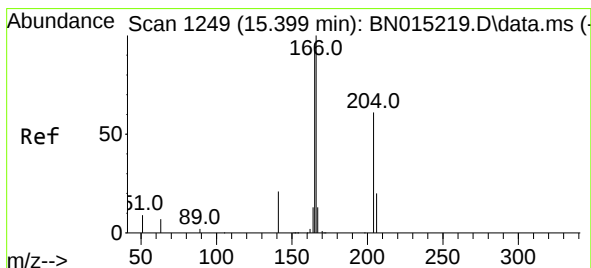
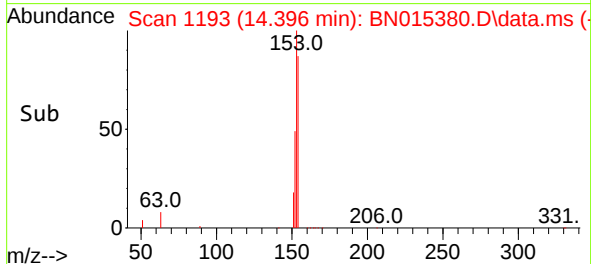
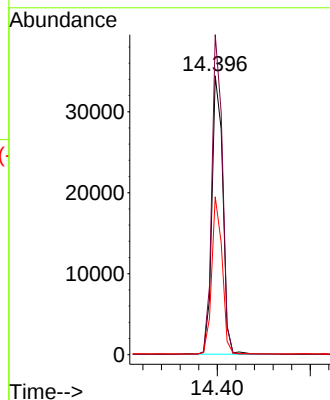
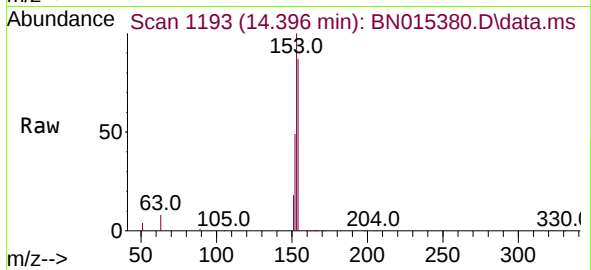
#17  
Acenaphthene  
Concen: 0.40 ng  
RT: 14.396 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.3 | 90.9  | 136.3 |
| 152     | 54.0  | 45.8  | 68.8  |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

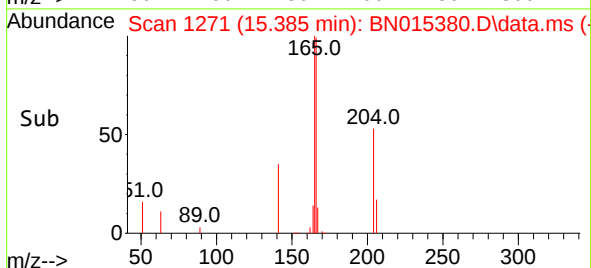
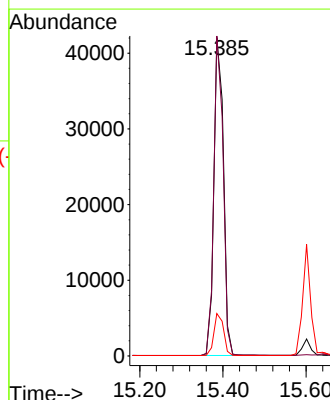
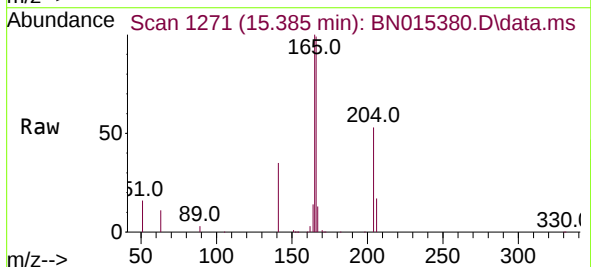
Manual Integrations  
APPROVED

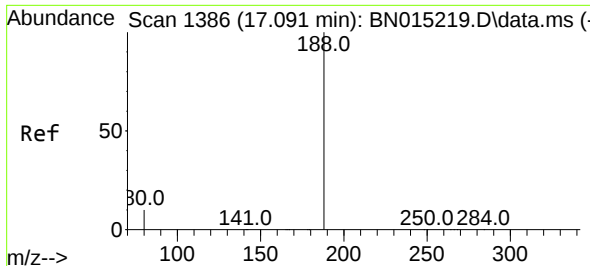
mohammad  
7/8/2021 9:14:17 AM



#18  
Fluorene  
Concen: 0.39 ng  
RT: 15.385 min Scan# 1271  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.9  | 79.2  | 118.8 |
| 167     | 13.3  | 10.7  | 16.1  |





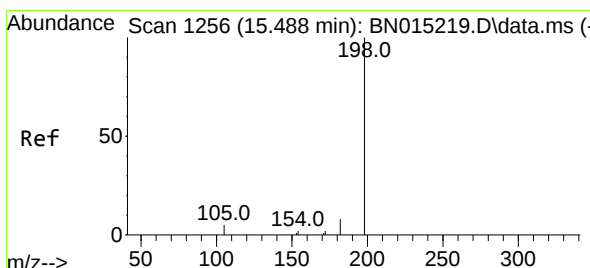
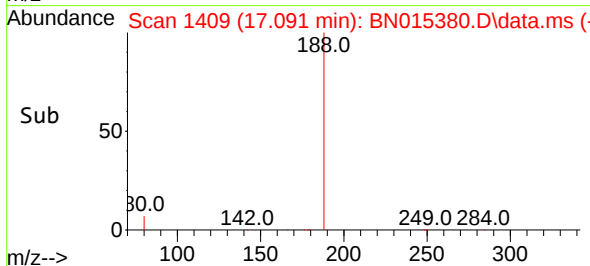
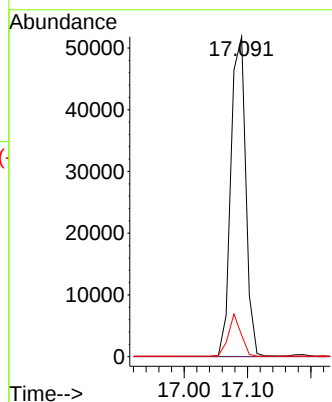
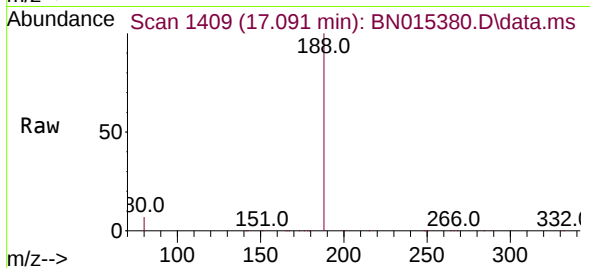
#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.091 min Scan# 1409  
Delta R.T. 0.012 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:188 Resp: 84423  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.7 9.0 13.4#

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

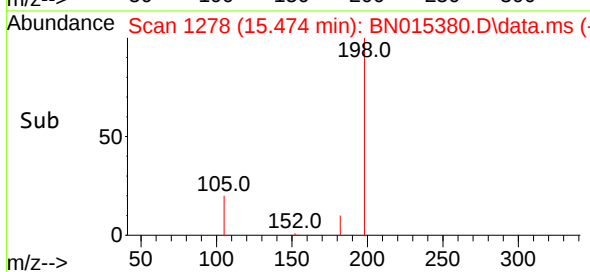
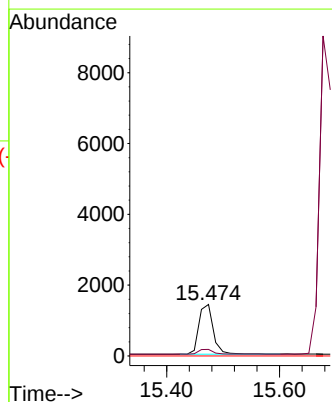
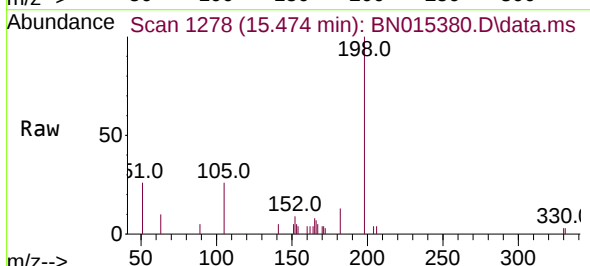
Manual Integrations  
APPROVED

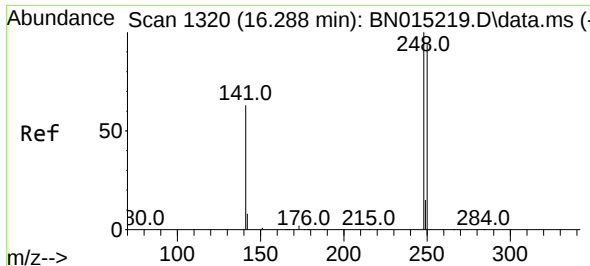
mohammad  
7/8/2021 9:14:17 AM



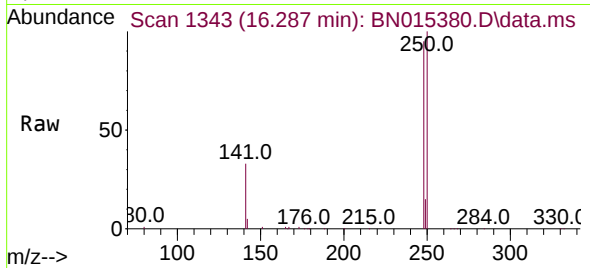
#20  
4,6-Dinitro-2-methylphenol  
Concen: 1.37 ng  
RT: 15.474 min Scan# 1278  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:198 Resp: 2484  
Ion Ratio Lower Upper  
198 100  
182 12.9 34.5 51.7#  
77 0.0 0.0 0.0

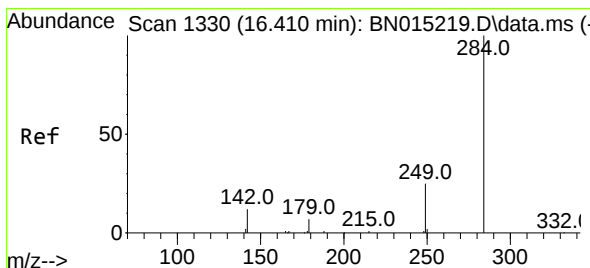
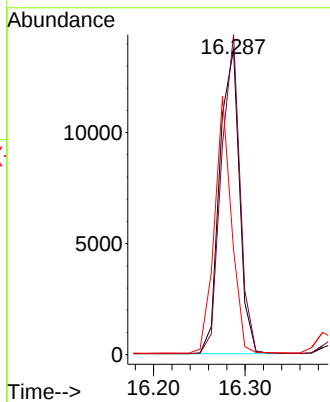
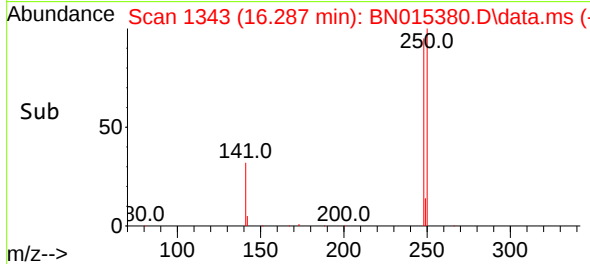




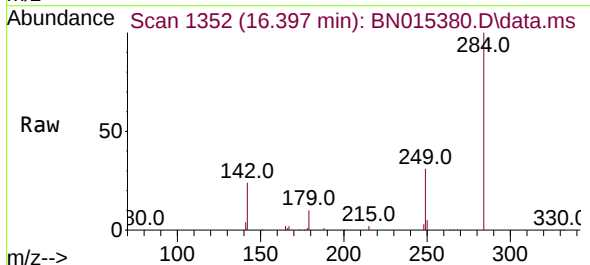
#21  
4-Bromophenyl-phenylether  
Concen: 0.39 ng  
RT: 16.287 min Scan# 1343  
Delta R.T. 0.012 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



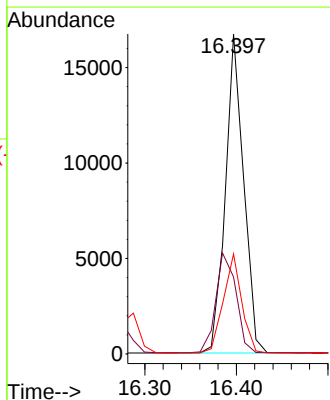
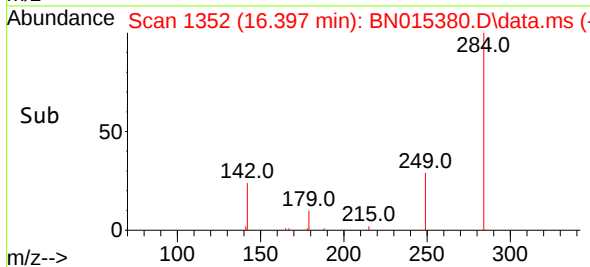
Tgt Ion: 248 Resp: 20613  
Ion Ratio Lower Upper  
248 100  
250 104.8 86.2 129.4  
141 34.4 36.2 54.2#



#22  
Hexachlorobenzene  
Concen: 0.38 ng  
RT: 16.397 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



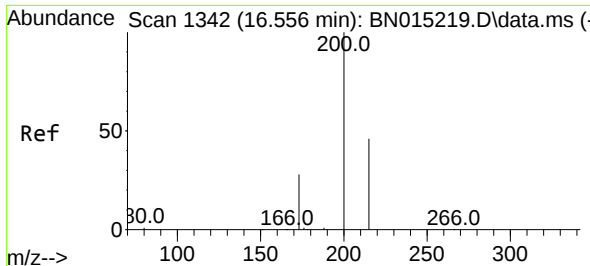
Tgt Ion: 284 Resp: 23141  
Ion Ratio Lower Upper  
284 100  
142 34.5 22.2 33.2#  
249 31.1 26.6 39.8



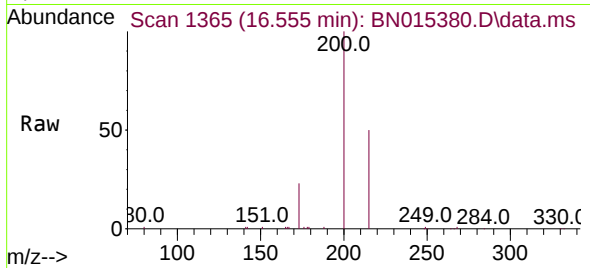
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

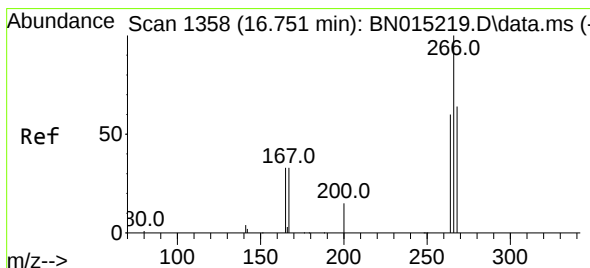
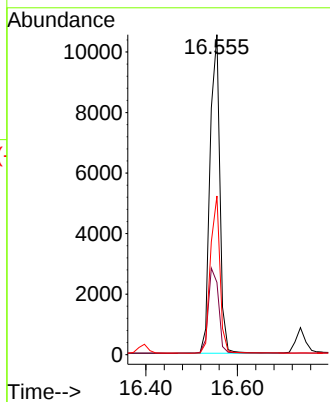
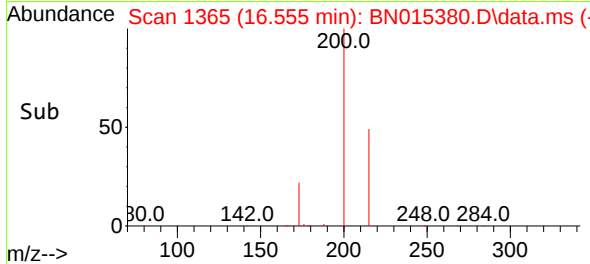
mohammad  
7/8/2021 9:14:17 AM



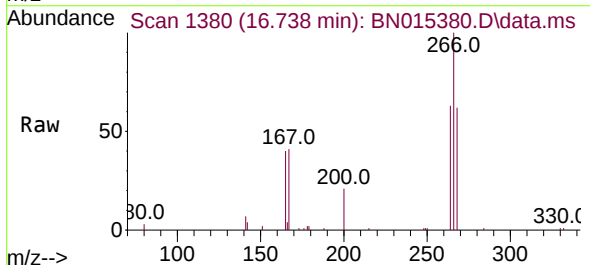
#23  
Atrazine  
Concen: 0.51 ng  
RT: 16.555 min Scan# 1365  
Delta R.T. 0.012 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



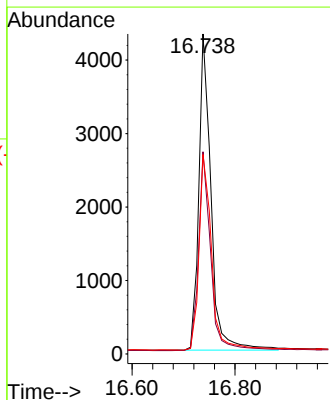
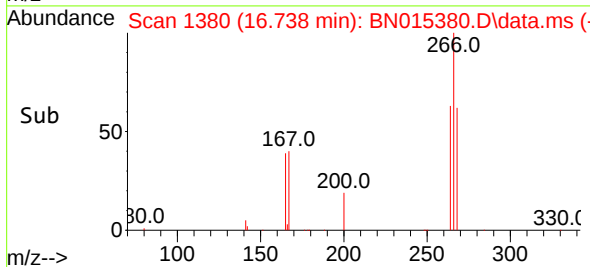
Tgt Ion:200 Resp: 15545  
Ion Ratio Lower Upper  
200 100  
173 22.6 21.7 32.5  
215 49.6 43.1 64.7



#24  
Pentachlorophenol  
Concen: 0.89 ng  
RT: 16.738 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



Tgt Ion:266 Resp: 7097  
Ion Ratio Lower Upper  
266 100  
264 62.4 51.0 76.4  
268 64.0 50.6 76.0



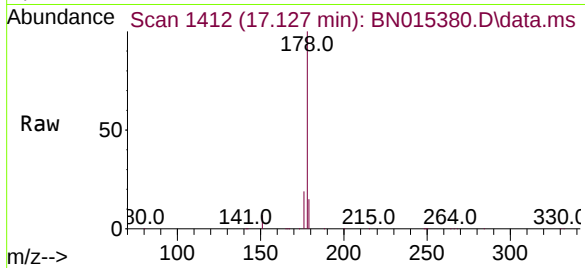
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

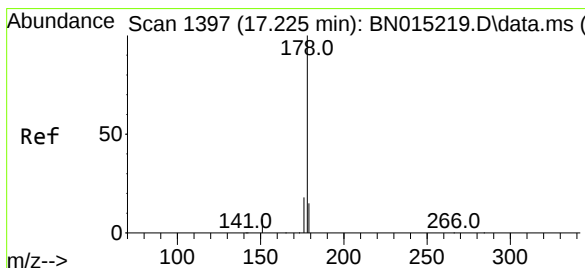
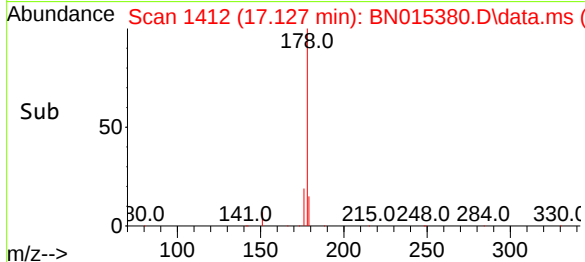
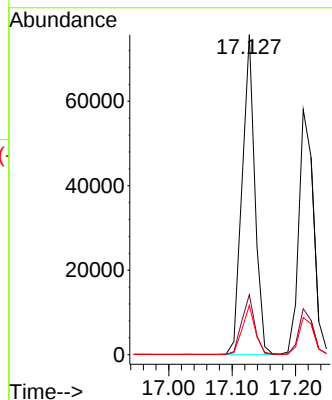
mohammad  
7/8/2021 9:14:17 AM



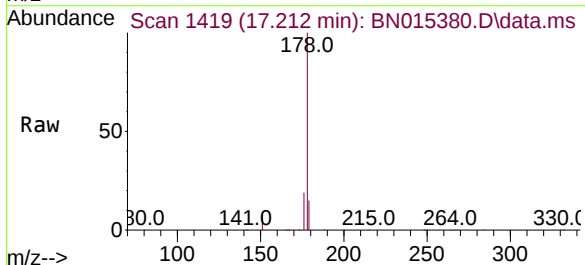
#25  
Phenanthrene  
Concen: 0.39 ng  
RT: 17.127 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



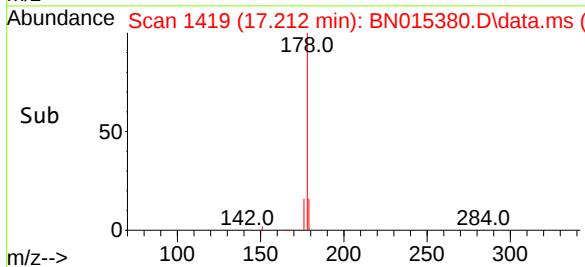
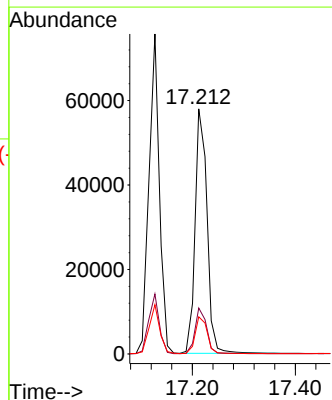
Tgt Ion:178 Resp: 106112  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.6 23.4  
179 15.6 12.1 18.1



#26  
Anthracene  
Concen: 0.40 ng  
RT: 17.212 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



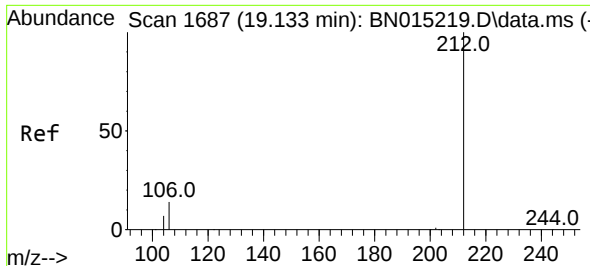
Tgt Ion:178 Resp: 93144  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.1 22.7  
179 15.2 12.2 18.2



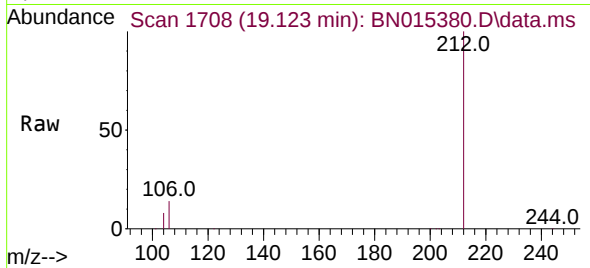
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

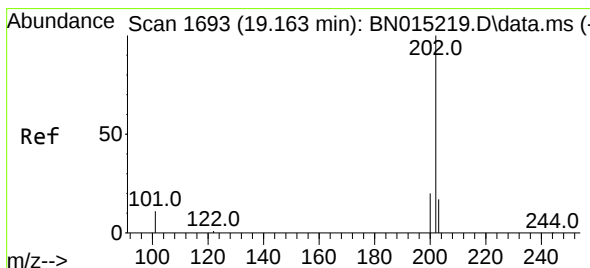
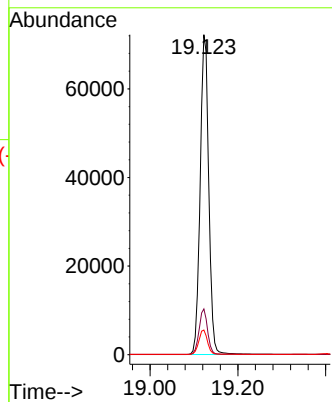
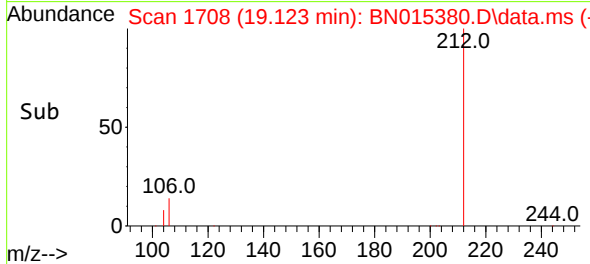
mohammad  
7/8/2021 9:14:17 AM



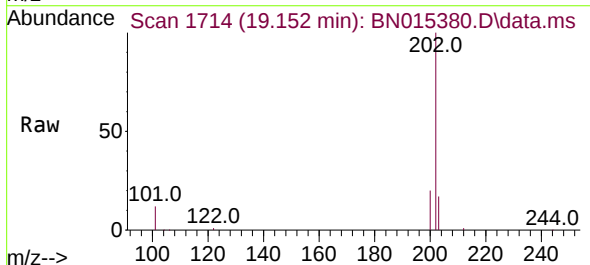
#27  
Fluoranthene-d10  
Concen: 0.39 ng  
RT: 19.123 min Scan# 1708  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



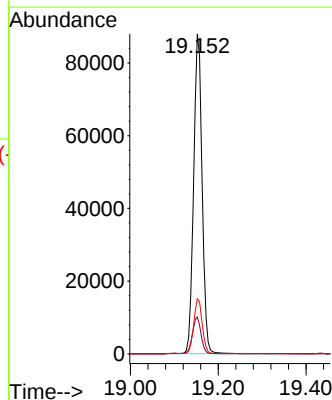
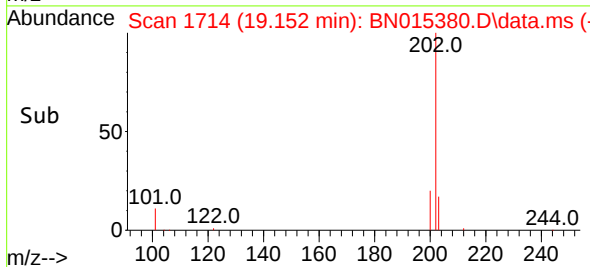
Tgt Ion:212 Resp: 97534  
Ion Ratio Lower Upper  
212 100  
106 14.1 7.0 10.6#  
104 7.7 4.1 6.1#



#28  
Fluoranthene  
Concen: 0.40 ng  
RT: 19.152 min Scan# 1714  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



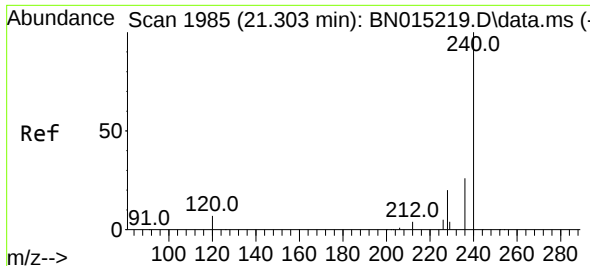
Tgt Ion:202 Resp: 117744  
Ion Ratio Lower Upper  
202 100  
101 11.6 6.6 10.0#  
203 17.3 13.9 20.9



Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



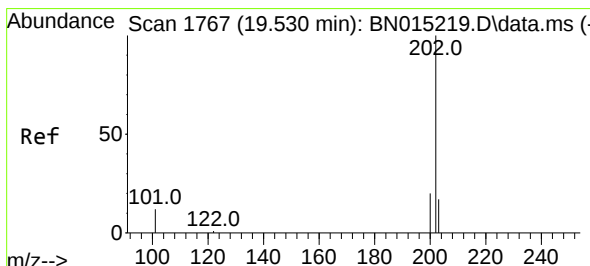
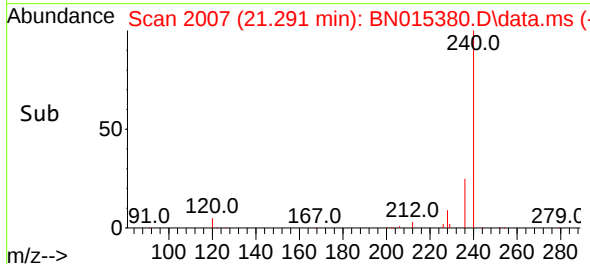
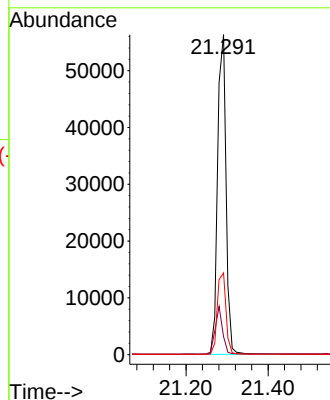
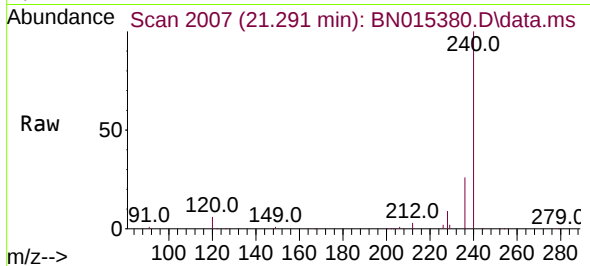
#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.291 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:240 Resp: 79871  
Ion Ratio Lower Upper  
240 100  
120 5.7 4.2 6.4  
236 25.6 21.4 32.2

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

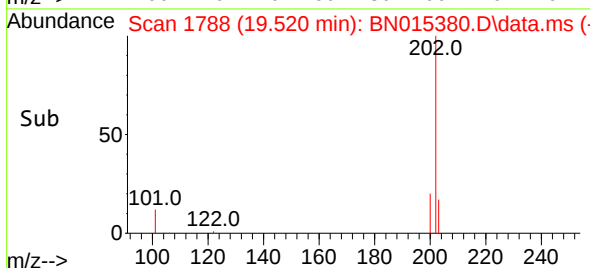
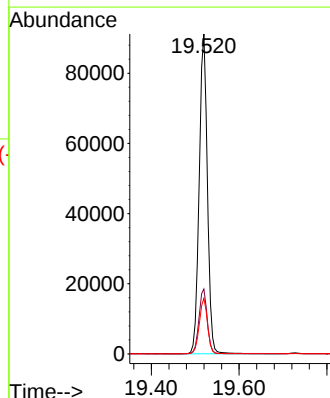
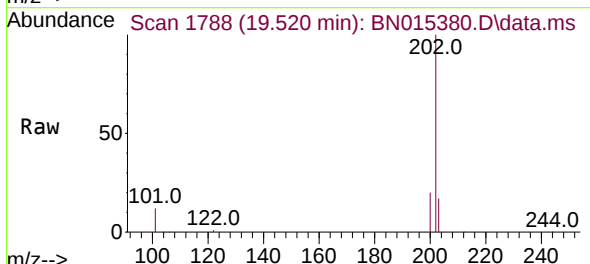
Manual Integrations  
APPROVED

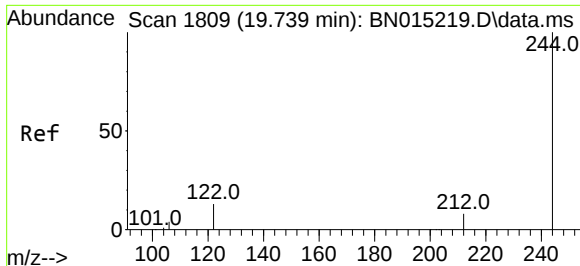
mohammad  
7/8/2021 9:14:17 AM



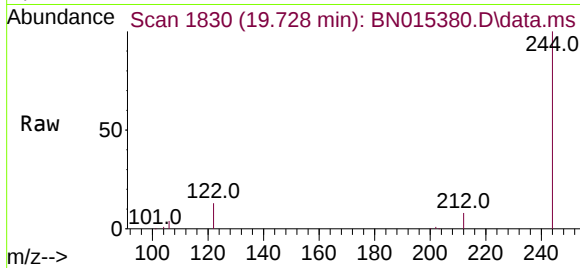
#30  
Pyrene  
Concen: 0.39 ng  
RT: 19.520 min Scan# 1788  
Delta R.T. 0.005 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

Tgt Ion:202 Resp: 117576  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.9 25.3  
203 17.4 13.9 20.9

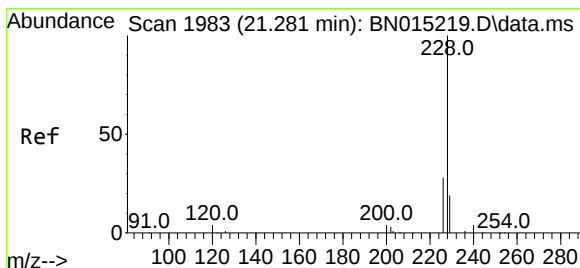
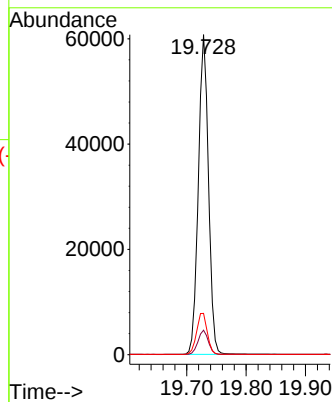
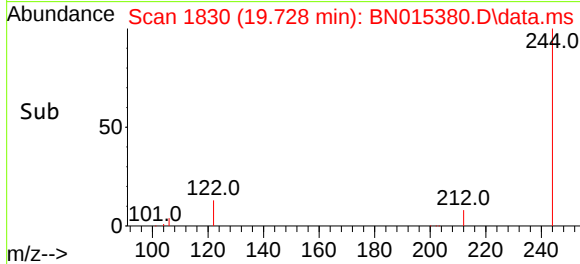




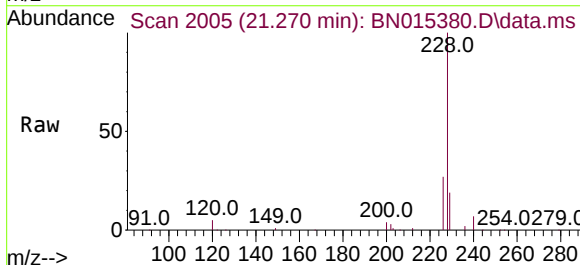
#31  
Terphenyl-d14  
Concen: 0.38 ng  
RT: 19.728 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



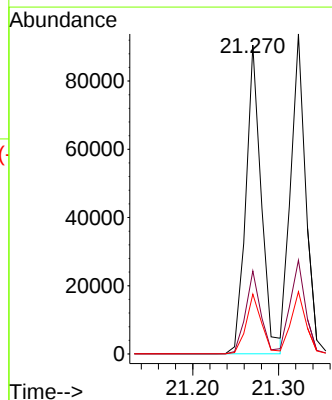
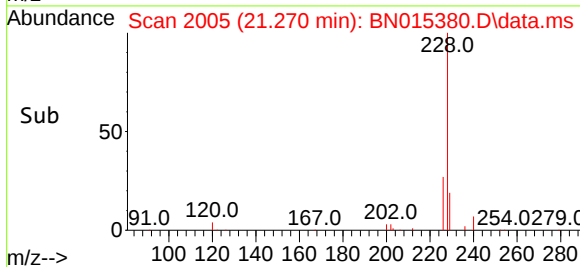
Tgt Ion:244 Resp: 71789  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.3 9.5  
122 12.9 6.2 9.2#



#32  
Benzo(a)anthracene  
Concen: 0.41 ng  
RT: 21.270 min Scan# 2005  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



Tgt Ion:228 Resp: 112826  
Ion Ratio Lower Upper  
228 100  
226 26.9 23.0 34.6  
229 19.4 15.7 23.5



Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



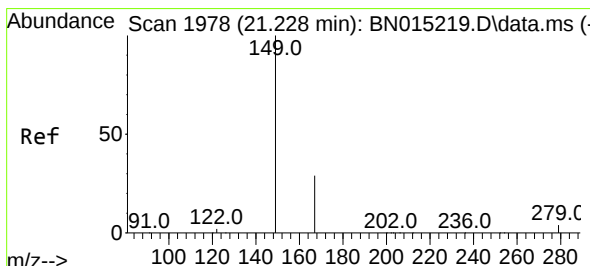
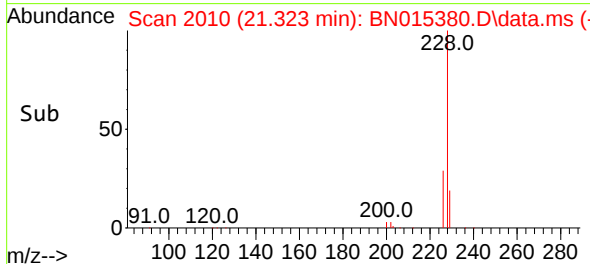
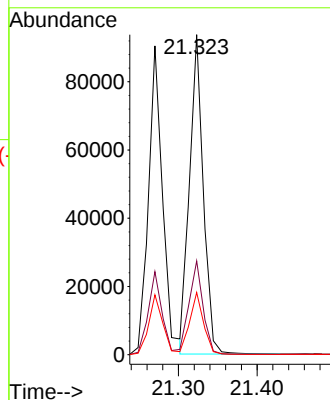
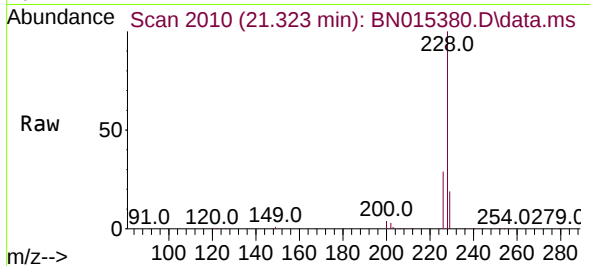
#33  
Chrysene  
Concen: 0.38 ng  
RT: 21.323 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 113842 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.3  | 25.0  | 37.6   |
| 229       | 19.4  | 15.9  | 23.9   |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

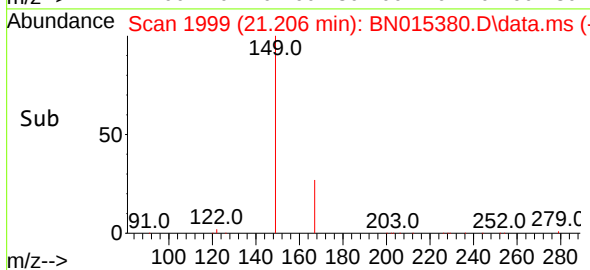
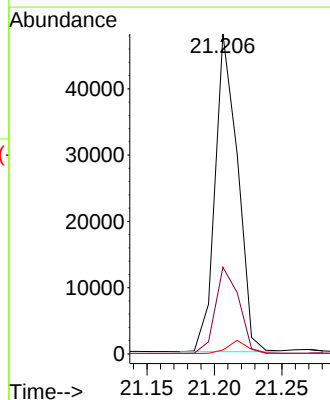
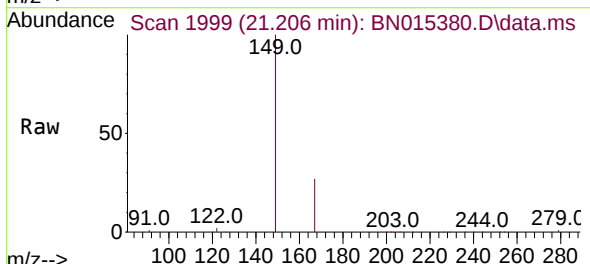
Manual Integrations  
APPROVED

mohammad  
7/8/2021 9:14:17 AM



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.70 ng  
RT: 21.206 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

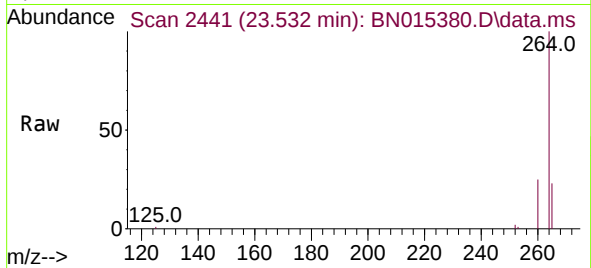
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 55834 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.3  | 28.9  | 43.3# |
| 279       | 3.7   | 4.9   | 7.3#  |





#35  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.532 min Scan# 2441  
Delta R.T. 0.004 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

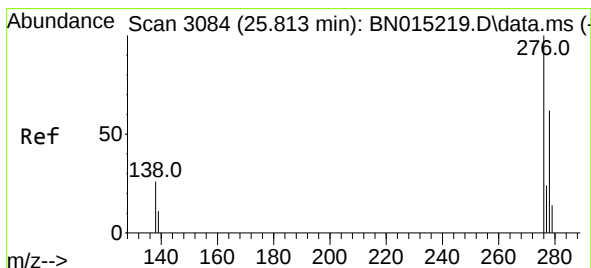
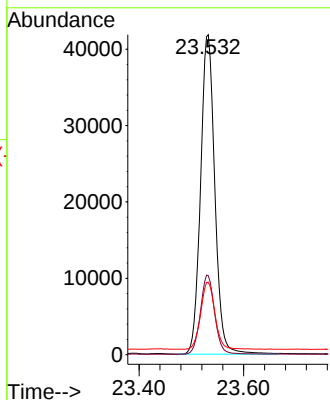
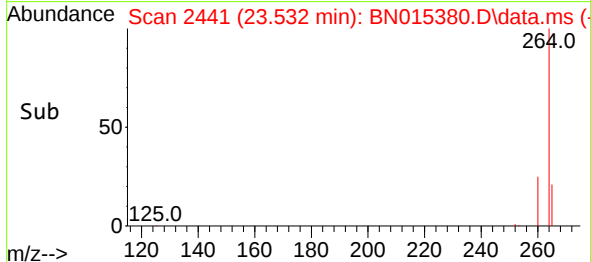
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS



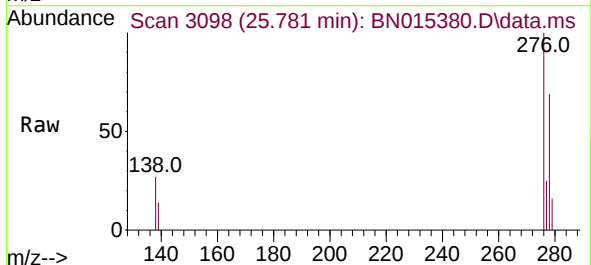
Tgt Ion:264 Resp: 79310  
Ion Ratio Lower Upper  
264 100  
260 24.7 20.6 31.0  
265 22.6 21.4 32.2

Manual Integrations  
APPROVED

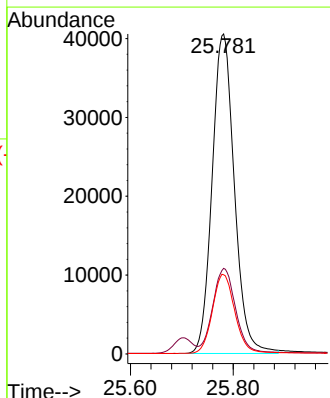
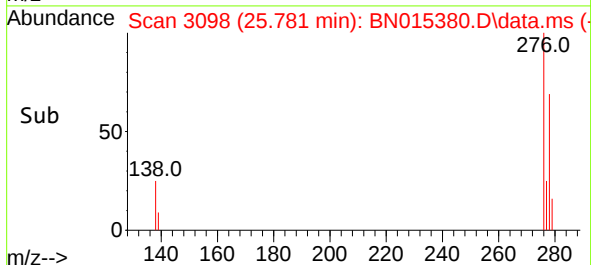
mohammad  
7/8/2021 9:14:17 AM



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.43 ng  
RT: 25.781 min Scan# 3098  
Delta R.T. 0.004 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02

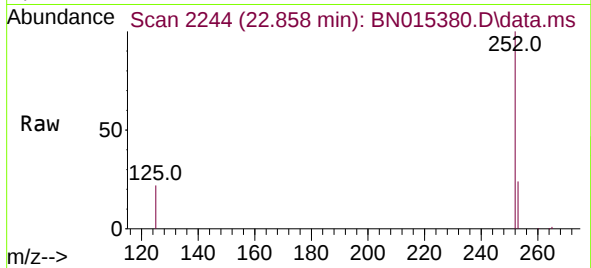


Tgt Ion:276 Resp: 121775  
Ion Ratio Lower Upper  
276 100  
138 26.5 10.0 15.0#  
277 25.0 20.4 30.6

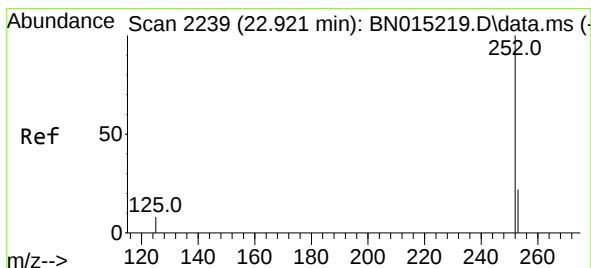
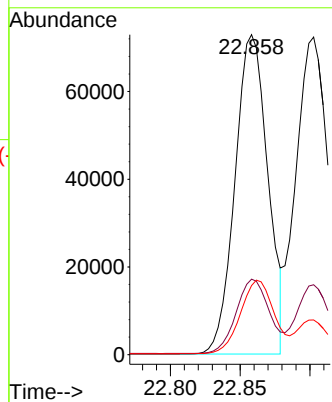
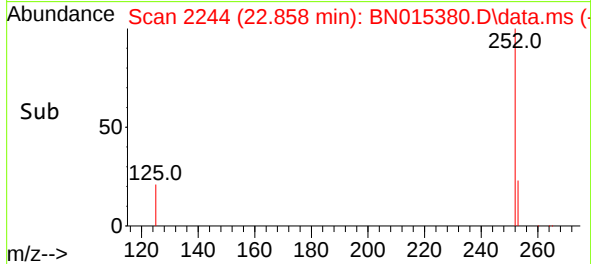




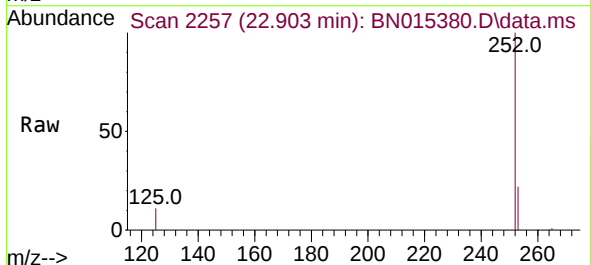
#37  
Benzo(b)fluoranthene  
Concen: 0.38 ng  
RT: 22.858 min Scan# 2244  
Delta R.T. 0.004 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



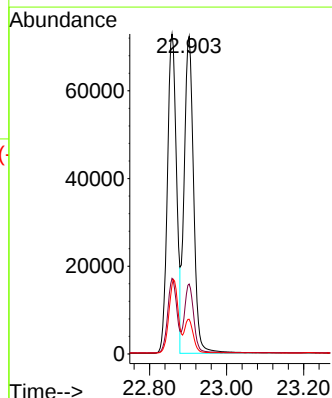
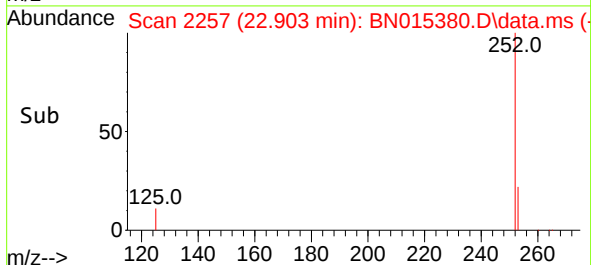
Tgt Ion:252 Resp: 119128  
Ion Ratio Lower Upper  
252 100  
253 23.6 18.5 27.7  
125 21.6 5.8 8.6#



#38  
Benzo(k)fluoranthene  
Concen: 0.37 ng  
RT: 22.903 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



Tgt Ion:252 Resp: 123046  
Ion Ratio Lower Upper  
252 100  
253 22.0 19.1 28.7  
125 10.9 5.4 8.0#



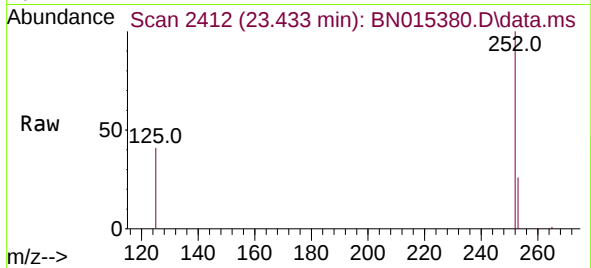
Instrument :  
BNA\_N  
ClientSampled :  
PB137465BS

Manual Integrations  
APPROVED

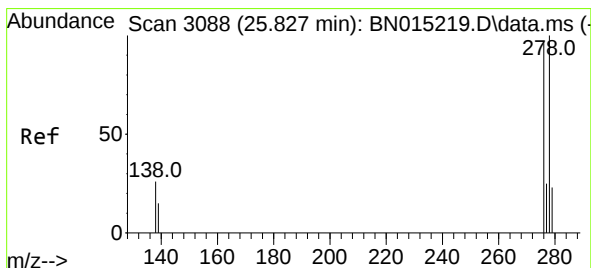
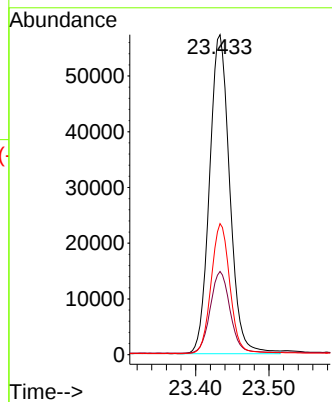
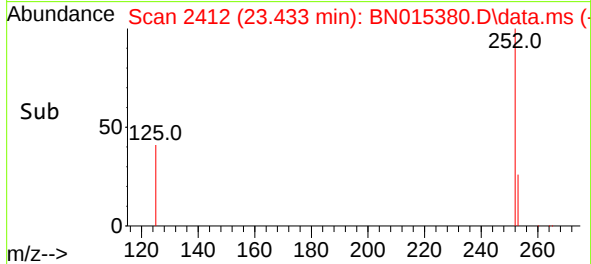
mohammad  
7/8/2021 9:14:17 AM



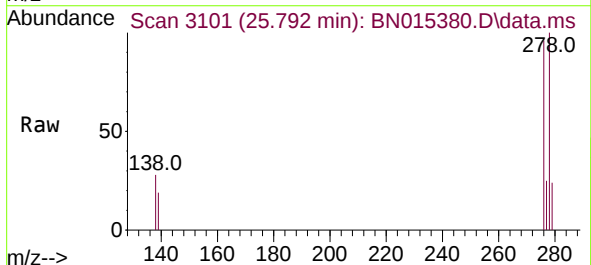
#39  
Benzo(a)pyrene  
Concen: 0.39 ng  
RT: 23.433 min Scan# 2412  
Delta R.T. 0.004 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



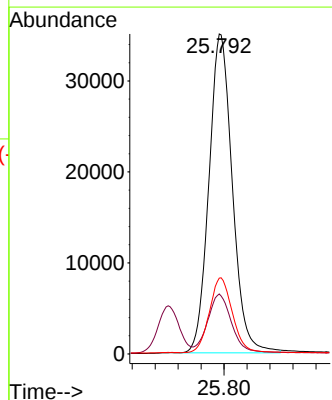
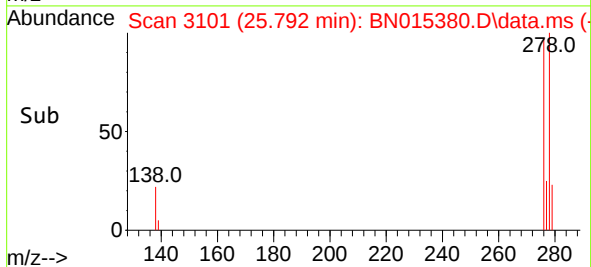
Tgt Ion:252 Resp: 109935  
Ion Ratio Lower Upper  
252 100  
253 26.0 19.4 29.2  
125 40.9 7.4 11.2#



#40  
Dibenzo(a,h)anthracene  
Concen: 0.45 ng  
RT: 25.792 min Scan# 3101  
Delta R.T. 0.004 min  
Lab File: BN015380.D  
Acq: 07 Jul 2021 19:02



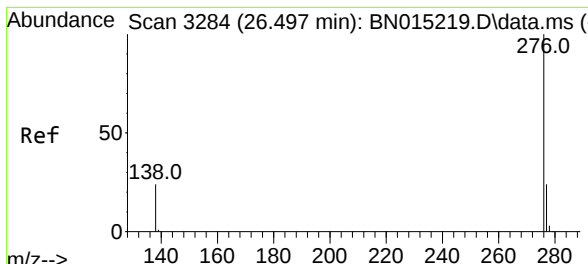
Tgt Ion:278 Resp: 99211  
Ion Ratio Lower Upper  
278 100  
139 18.7 9.0 13.4#  
279 23.7 21.0 31.4



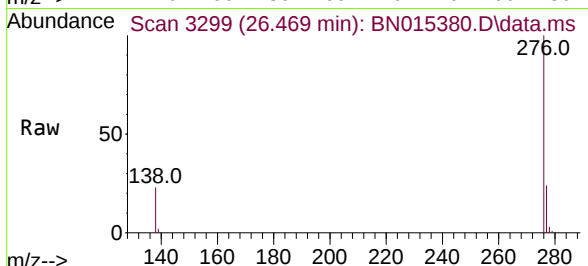
Instrument :  
BNA\_N  
ClientSampleId :  
PB137465BS

Manual Integrations  
APPROVED

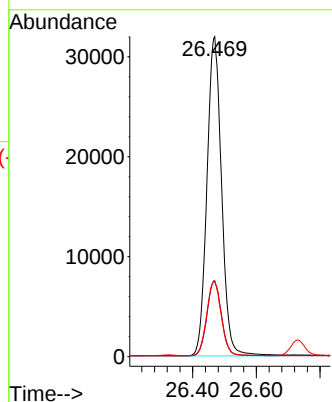
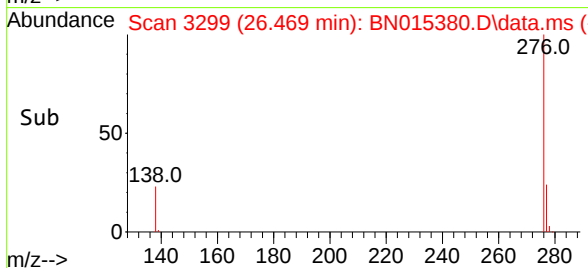
mohammad  
7/8/2021 9:14:17 AM



#41  
 Benzo(g,h,i)perylene  
 Concen: 0.41 ng  
 RT: 26.469 min Scan# 3299  
 Delta R.T. 0.007 min  
 Lab File: BN015380.D  
 Acq: 07 Jul 2021 19:02



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 101789 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.8  | 19.7  | 29.5   |
| 138       | 23.3  | 9.8   | 14.6#  |



Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB137465BS

Manual Integrations  
 APPROVED

mohammad  
 7/8/2021 9:14:17 AM