

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071521\  
 Data File : BN015583.D  
 Acq On : 15 Jul 2021 17:47  
 Operator : CG/JU  
 Sample : PB137284BSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB137284BSD

Manual Integrations  
 APPROVED

mohammad  
 7/16/2021 8:53:27 AM

Quant Time: Jul 15 18:47:02 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN071521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 15 15:46:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.809  | 152  | 14390    | 0.400 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.584 | 136  | 62880    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.434 | 164  | 32443    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.176 | 188  | 58810    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.376 | 240  | 53284    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.724 | 264  | 51178    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.393  | 112  | 16318    | 0.395 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.979  | 99   | 19455    | 0.397 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.949  | 82   | 16612    | 0.367 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.181 | 152  | 38829    | 0.375 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.918 | 330  | 4069     | 0.380 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.051 | 172  | 50260    | 0.384 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.217 | 212  | 62831    | 0.354 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.818 | 244  | 47877    | 0.379 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.364  | 88   | 2755m    | 0.391 | ng    |          |
| 3) n-Nitrosodimethylamine     | 3.705  | 42   | 4580     | 0.386 | ng    | # 77     |
| 6) bis(2-Chloroethyl)ether    | 7.237  | 93   | 17419    | 0.397 | ng    | # 84     |
| 9) Naphthalene                | 10.635 | 128  | 69716    | 0.382 | ng    | 97       |
| 10) Hexachlorobutadiene       | 10.926 | 225  | 13363    | 0.392 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.252 | 142  | 45196    | 0.390 | ng    | # 90     |
| 16) Acenaphthylene            | 14.142 | 152  | 54972    | 0.364 | ng    | 98       |
| 17) Acenaphthene              | 14.497 | 154  | 38327    | 0.380 | ng    | 98       |
| 18) Fluorene                  | 15.487 | 166  | 45445    | 0.376 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.563 | 198  | 376      | 0.617 | ng    | # 80     |
| 21) 4-Bromophenyl-phenylether | 16.373 | 248  | 13852    | 0.371 | ng    | # 86     |
| 22) Hexachlorobenzene         | 16.494 | 284  | 16000    | 0.381 | ng    | # 92     |
| 23) Atrazine                  | 16.640 | 200  | 9052     | 0.365 | ng    | 93       |
| 24) Pentachlorophenol         | 16.835 | 266  | 2064     | 0.462 | ng    | 99       |
| 25) Phenanthrene              | 17.225 | 178  | 71725    | 0.377 | ng    | 99       |
| 26) Anthracene                | 17.310 | 178  | 59166    | 0.363 | ng    | 99       |
| 28) Fluoranthene              | 19.247 | 202  | 78301    | 0.380 | ng    | # 97     |
| 30) Pyrene                    | 19.609 | 202  | 77762    | 0.380 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.366 | 228  | 69975    | 0.376 | ng    | 96       |
| 33) Chrysene                  | 21.408 | 228  | 76278    | 0.387 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.302 | 149  | 27815    | 0.349 | ng    | # 87     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.141 | 276  | 68783    | 0.376 | ng    | # 85     |
| 37) Benzo(b)fluoranthene      | 23.012 | 252  | 75622    | 0.377 | ng    | # 95     |
| 38) Benzo(k)fluoranthene      | 23.060 | 252  | 78548    | 0.388 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.622 | 252  | 65275    | 0.378 | ng    | # 92     |
| 40) Dibenzo(a,h)anthracene    | 26.158 | 278  | 54128    | 0.377 | ng    | # 90     |
| 41) Benzo(g,h,i)perylene      | 26.877 | 276  | 57349    | 0.370 | ng    | # 89     |
| -----                         |        |      |          |       |       |          |

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

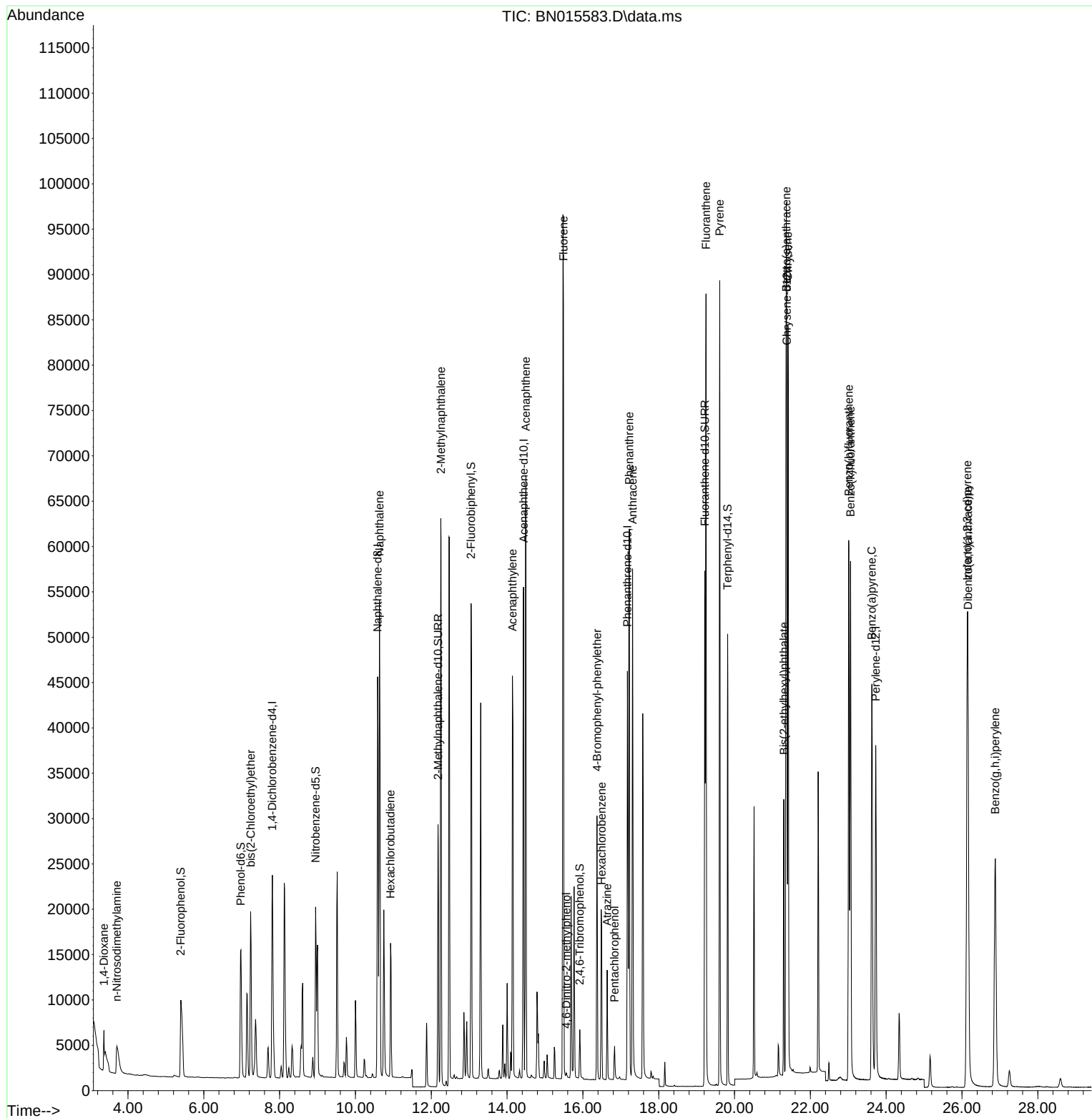
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071521\  
Data File : BN015583.D  
Acq On : 15 Jul 2021 17:47  
Operator : CG/JU  
Sample : PB137284BSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

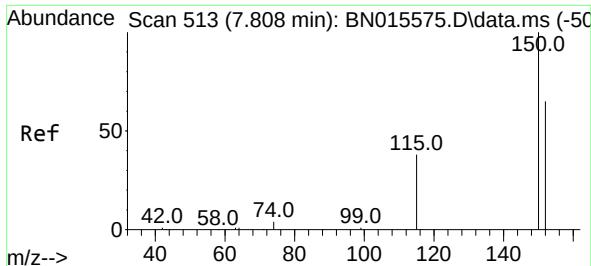
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

Manual Integrations  
APPROVED

mohammad  
7/16/2021 8:53:27 AM

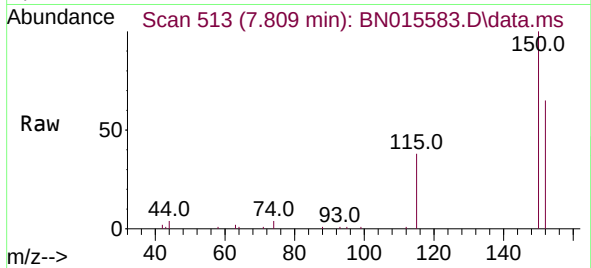
Quant Time: Jul 15 18:47:02 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN071521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 15 15:46:51 2021  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.809 min Scan# 513  
 Delta R.T. 0.001 min  
 Lab File: BN015583.D  
 Acq: 15 Jul 2021 17:47

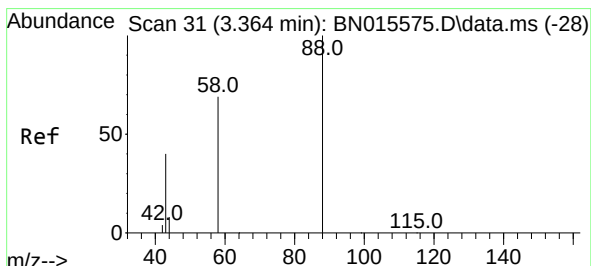
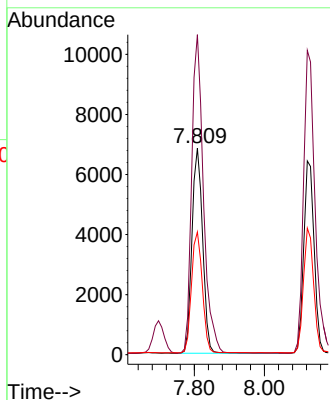
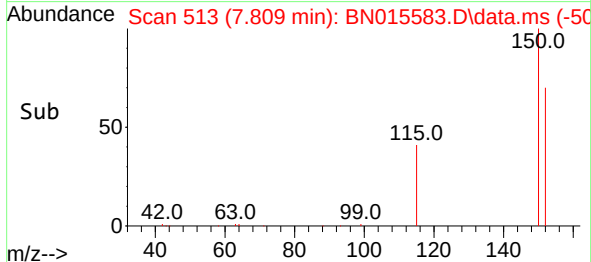
Instrument :  
 BNA\_N  
 ClientSampleID :  
 PB137284BSD



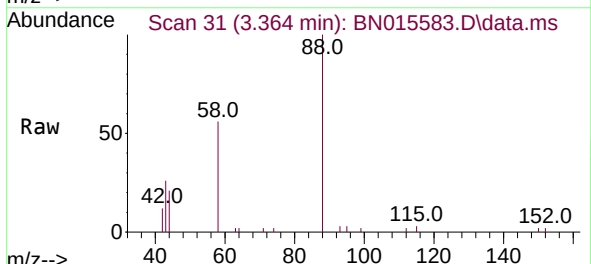
Tgt Ion:152 Resp: 14390  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 119.0 178.6  
 115 59.4 62.2 93.4#

Manual Integrations  
 APPROVED

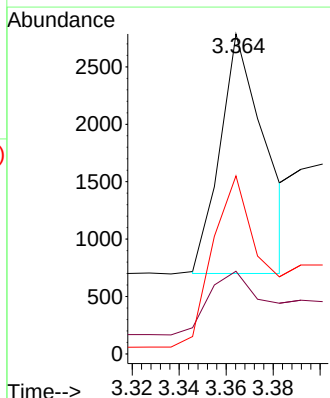
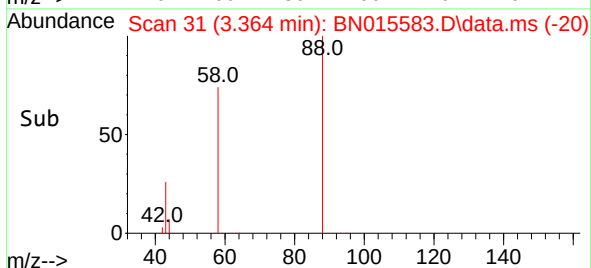
mohammad  
 7/16/2021 8:53:27 AM

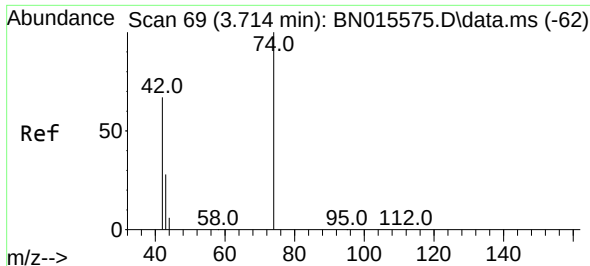


#2  
 1,4-Dioxane  
 Concen: 0.391 ng m  
 RT: 3.364 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: BN015583.D  
 Acq: 15 Jul 2021 17:47



Tgt Ion: 88 Resp: 2755  
 Ion Ratio Lower Upper  
 88 100  
 43 74.8 12.9 19.3#  
 58 79.6 38.1 57.1#





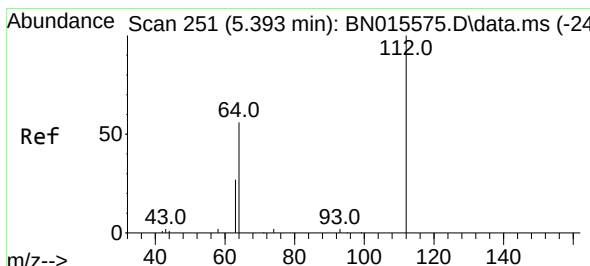
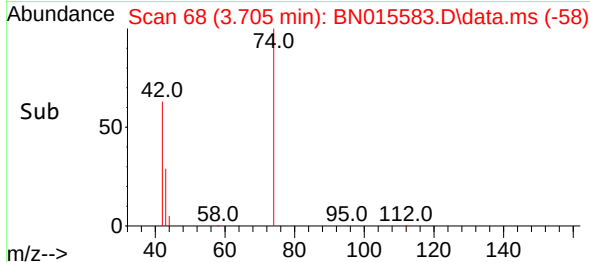
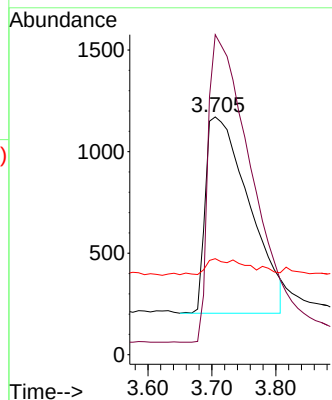
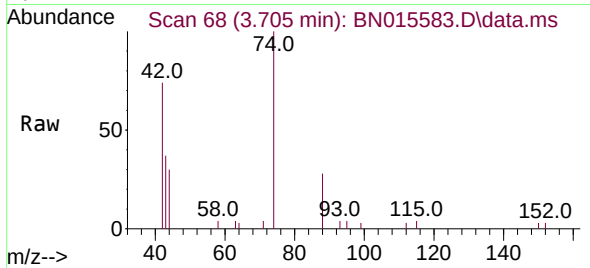
#3  
n-Nitrosodimethylamine  
Concen: 0.386 ng  
RT: 3.705 min Scan# 68  
Delta R.T. -0.009 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion: 42 Resp: 4580  
Ion Ratio Lower Upper  
42 100  
74 152.7 149.5 224.3  
44 7.2 4.2 6.2#

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

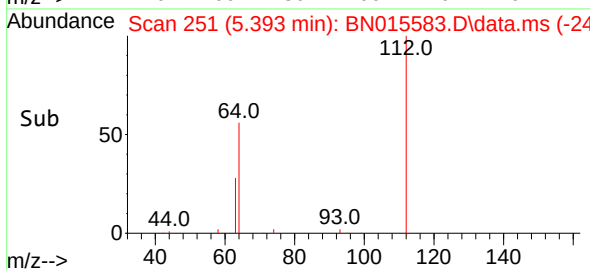
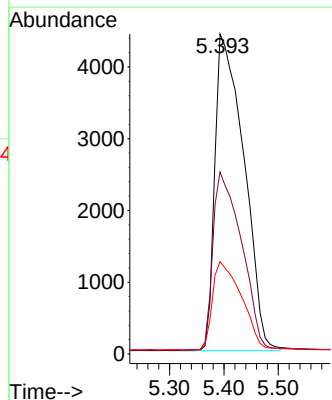
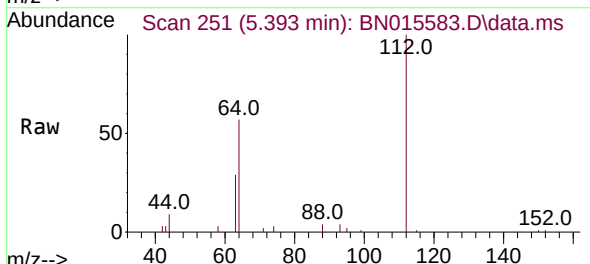
Manual Integrations  
APPROVED

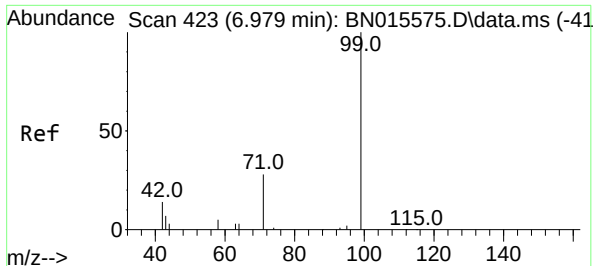
mohammad  
7/16/2021 8:53:27 AM



#4  
2-Fluorophenol  
Concen: 0.395 ng  
RT: 5.393 min Scan# 251  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion: 112 Resp: 16318  
Ion Ratio Lower Upper  
112 100  
64 55.8 39.0 58.6  
63 27.8 20.6 30.8





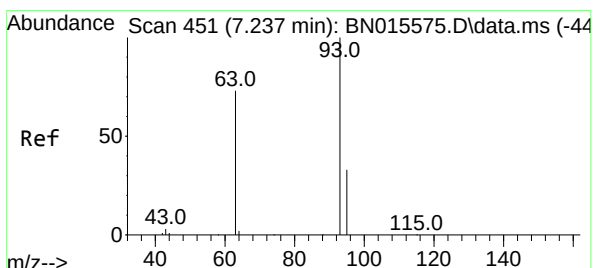
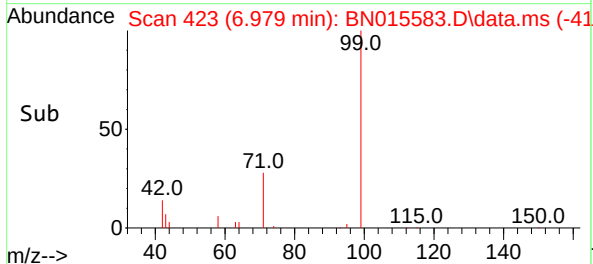
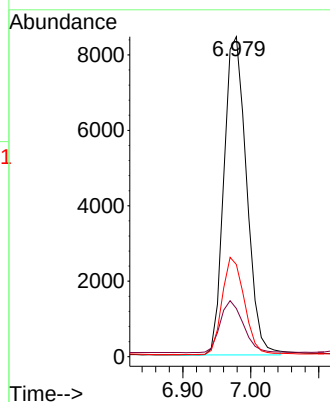
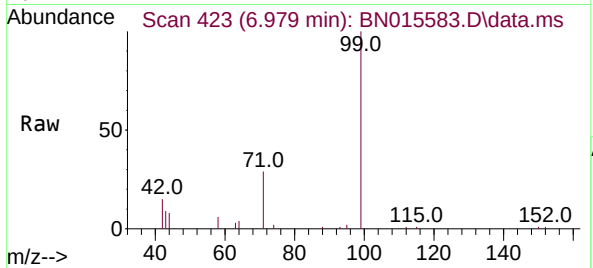
#5  
Phenol-d6  
Concen: 0.397 ng  
RT: 6.979 min Scan# 423  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 16.6  | 8.9   | 13.3# |
| 71      | 30.0  | 35.6  | 53.4# |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

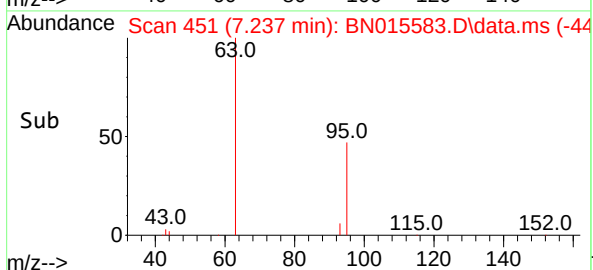
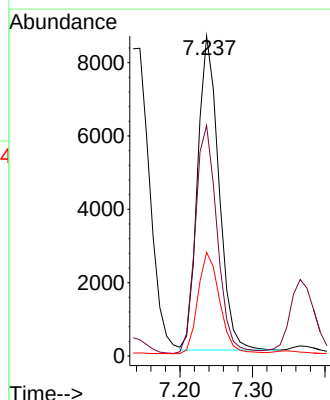
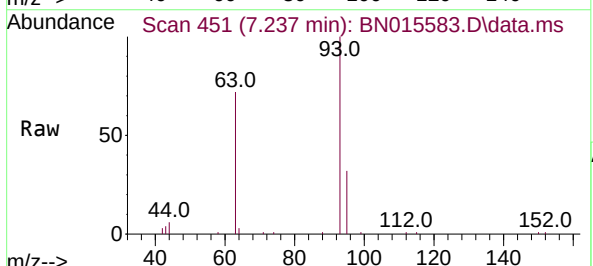
Manual Integrations  
APPROVED

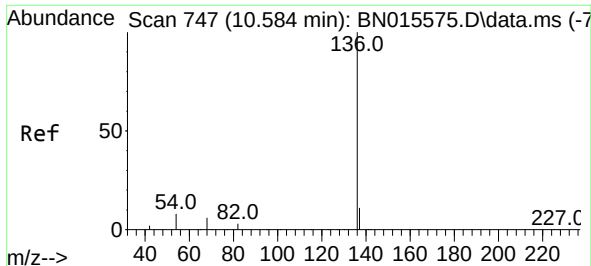
mohammad  
7/16/2021 8:53:27 AM



#6  
bis(2-Chloroethyl)ether  
Concen: 0.397 ng  
RT: 7.237 min Scan# 451  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

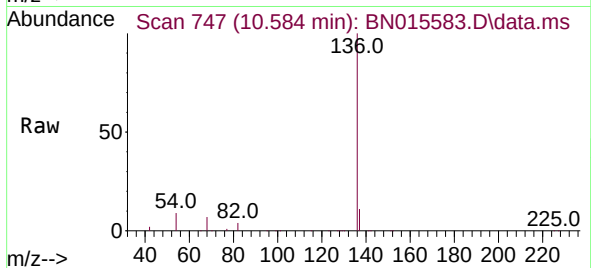
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 74.9  | 46.6  | 70.0# |
| 95      | 33.0  | 28.6  | 42.8  |





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.584 min Scan# 747  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

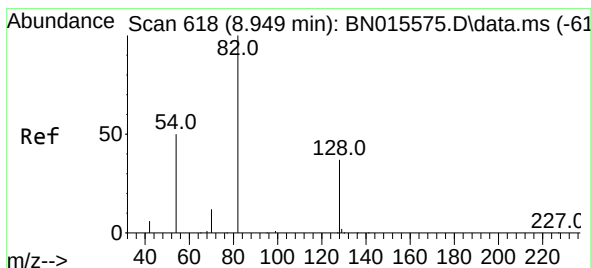
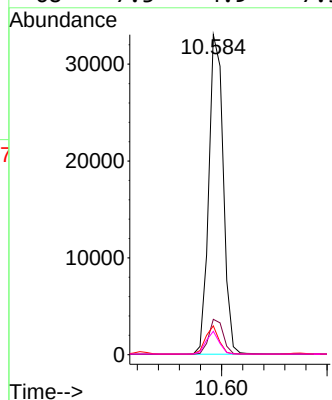
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



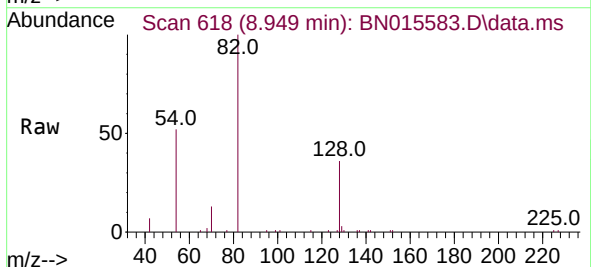
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.0  | 9.8   | 14.8  |
| 54      | 9.0   | 5.4   | 8.2#  |
| 68      | 7.3   | 4.9   | 7.3   |

Manual Integrations  
APPROVED

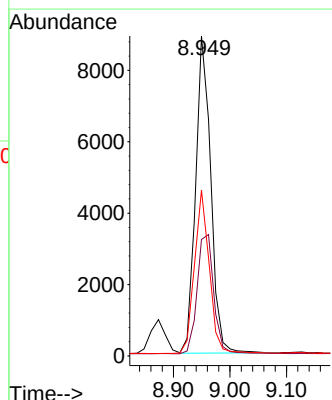
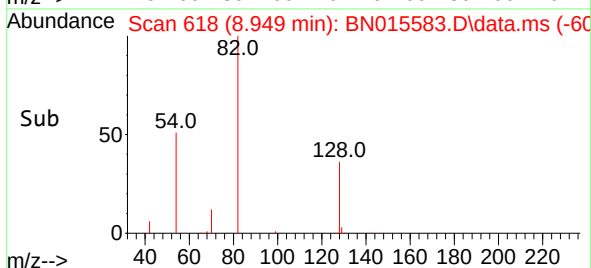
mohammad  
7/16/2021 8:53:27 AM

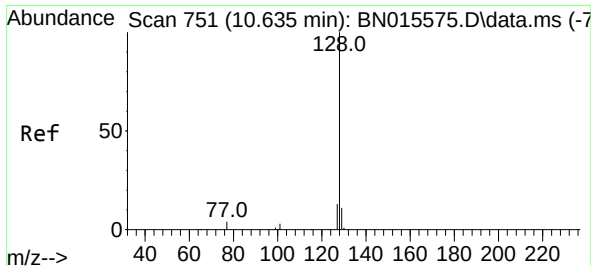


#8  
Nitrobenzene-d5  
Concen: 0.367 ng  
RT: 8.949 min Scan# 618  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.4  | 31.6  | 47.4  |
| 54      | 51.8  | 29.0  | 43.4# |





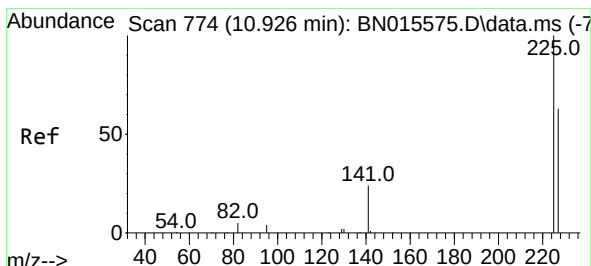
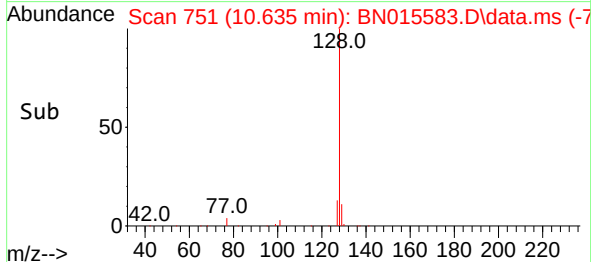
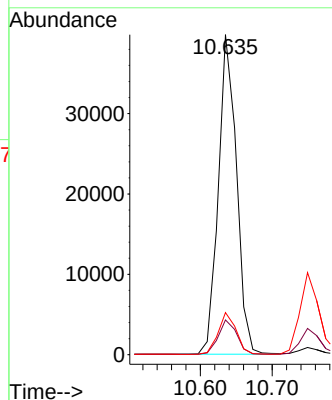
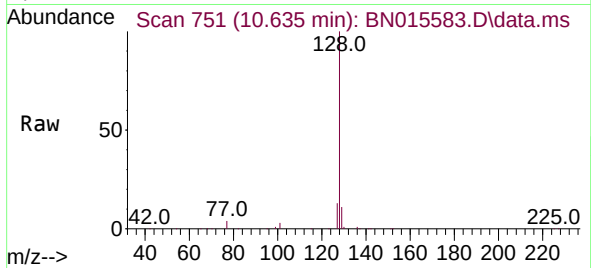
#9  
Naphthalene  
Concen: 0.382 ng  
RT: 10.635 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 69716 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.8  | 9.1   | 13.7  |
| 127       | 13.2  | 11.8  | 17.6  |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

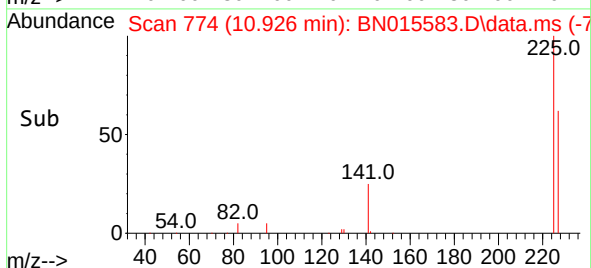
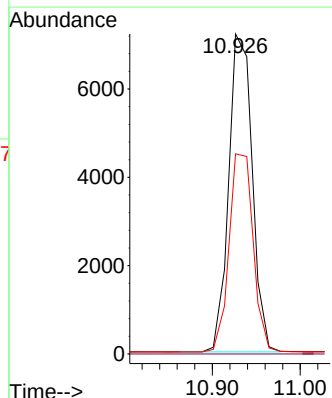
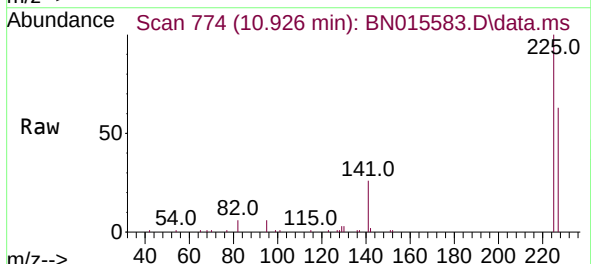
Manual Integrations  
APPROVED

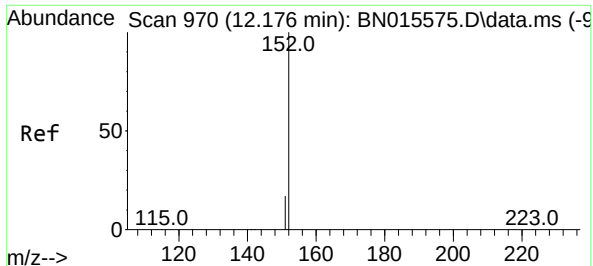
mohammad  
7/16/2021 8:53:27 AM



#10  
Hexachlorobutadiene  
Concen: 0.392 ng  
RT: 10.926 min Scan# 774  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 13363 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 0.0   | 0.0   | 0.0   |
| 227       | 63.9  | 50.2  | 75.2  |





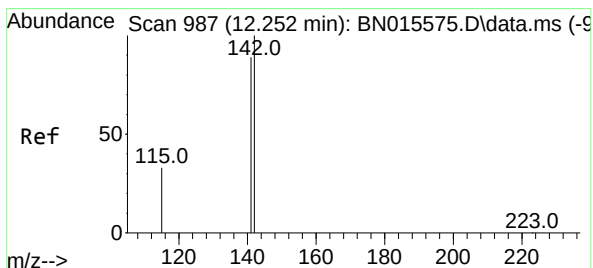
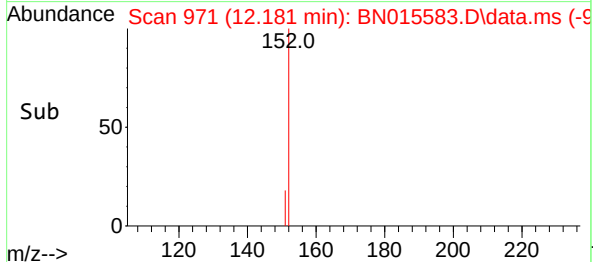
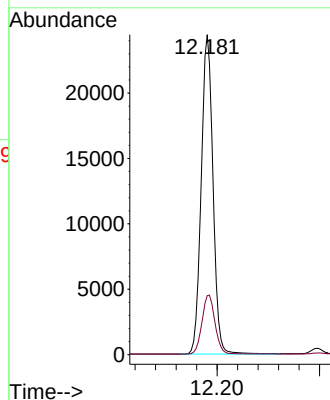
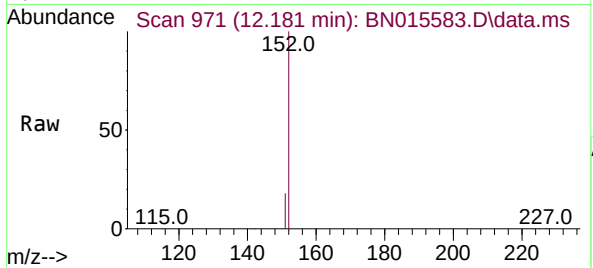
#11  
2-Methylnaphthalene-d10  
Concen: 0.375 ng  
RT: 12.181 min Scan# 971  
Delta R.T. 0.004 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:152 Resp: 38829  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.7 25.1

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

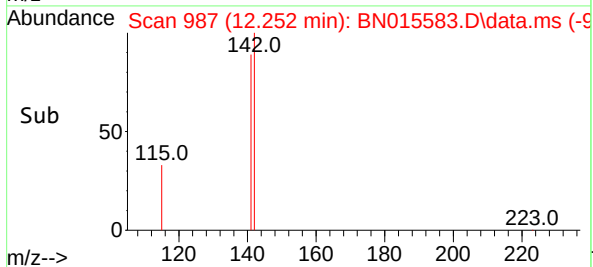
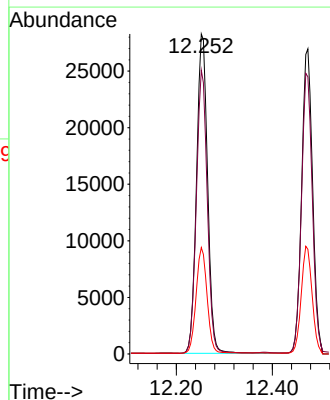
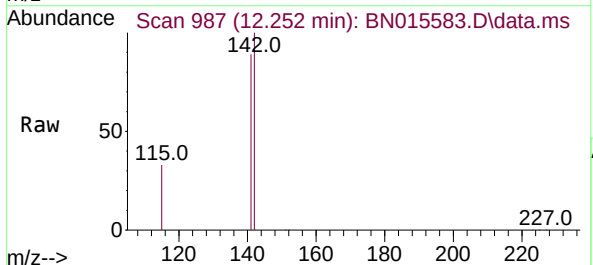
Manual Integrations  
APPROVED

mohammad  
7/16/2021 8:53:27 AM

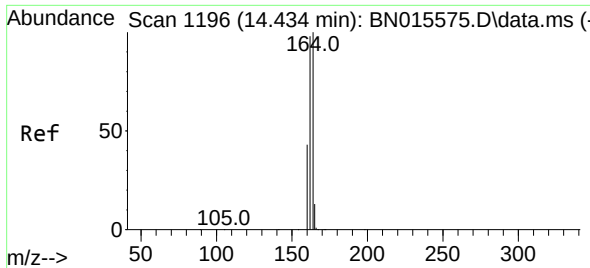


#12  
2-Methylnaphthalene  
Concen: 0.390 ng  
RT: 12.252 min Scan# 987  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:142 Resp: 45196  
Ion Ratio Lower Upper  
142 100  
141 88.6 72.3 108.5  
115 33.2 40.7 61.1#

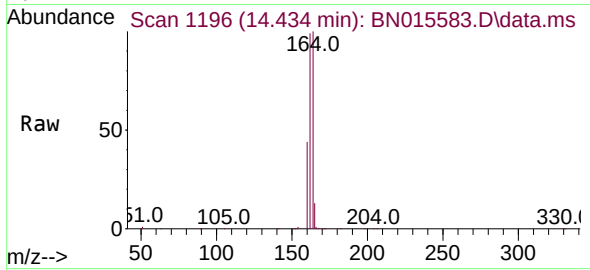






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.434 min Scan# 1196  
Delta R.T. -0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

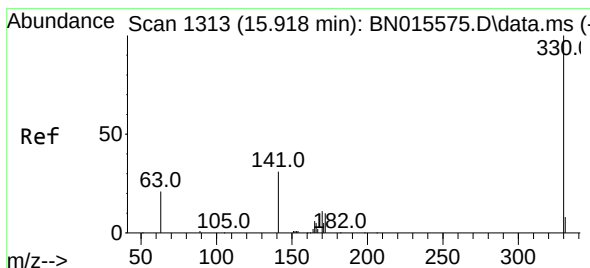
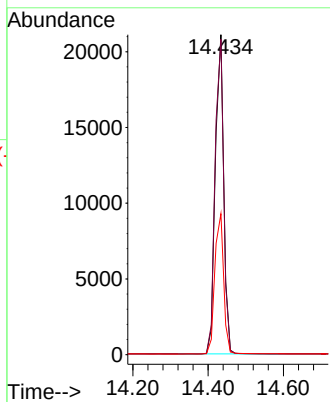
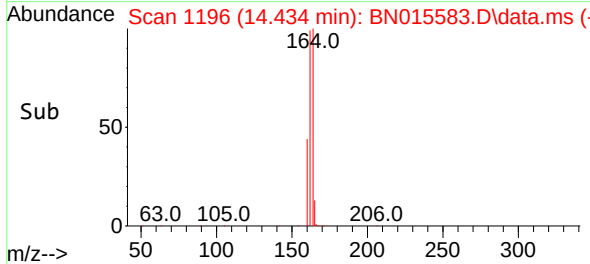
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



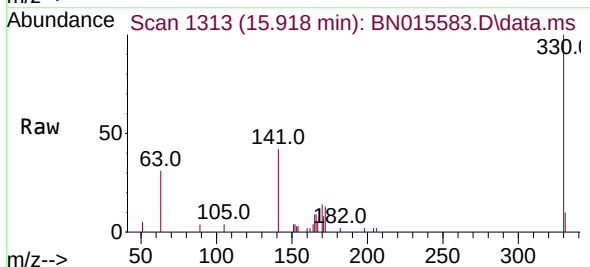
Tgt Ion:164 Resp: 32443  
Ion Ratio Lower Upper  
164 100  
162 98.6 83.8 125.6  
160 44.1 37.4 56.0

Manual Integrations  
APPROVED

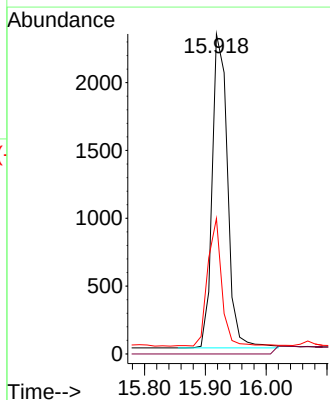
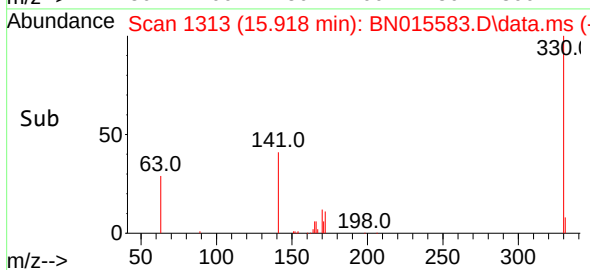
mohammad  
7/16/2021 8:53:27 AM

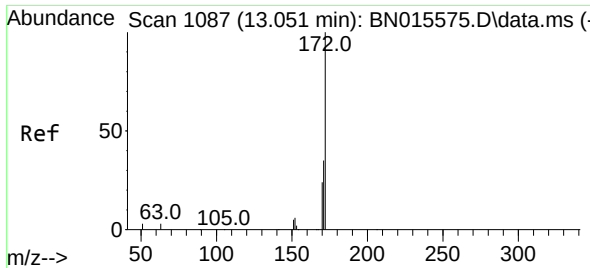


#14  
2,4,6-Tribromophenol  
Concen: 0.380 ng  
RT: 15.918 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



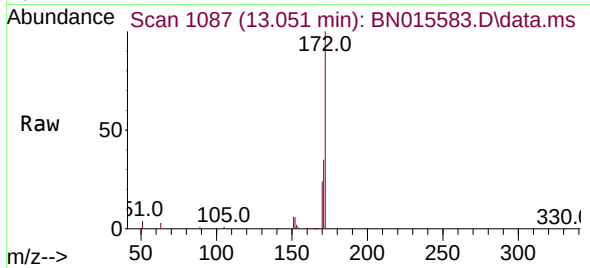
Tgt Ion:330 Resp: 4069  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 37.6 22.4 33.6#





#15  
2-Fluorobiphenyl  
Concen: 0.384 ng  
RT: 13.051 min Scan# 1087  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

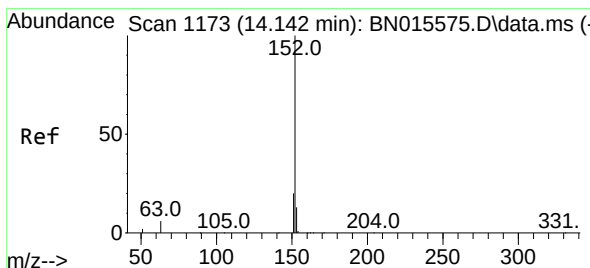
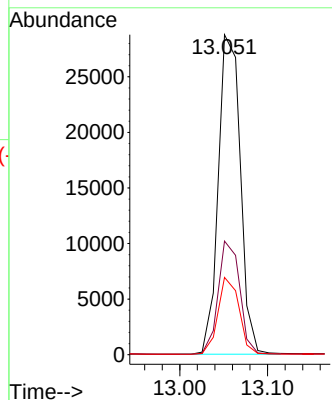
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



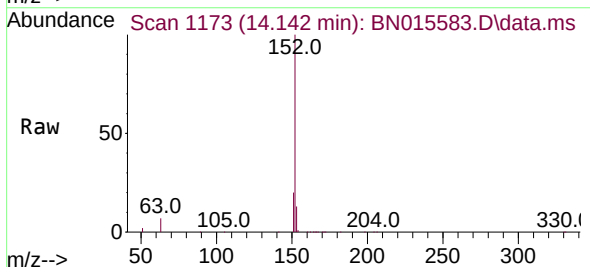
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 30.6  | 45.8  |
| 170     | 24.1  | 20.2  | 30.4  |

Manual Integrations  
APPROVED

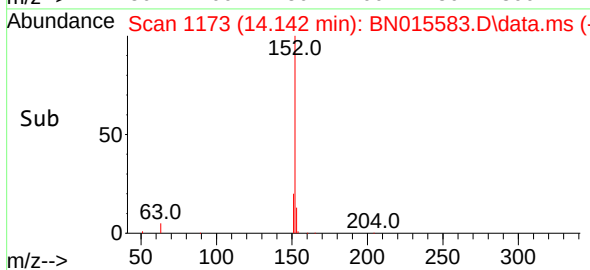
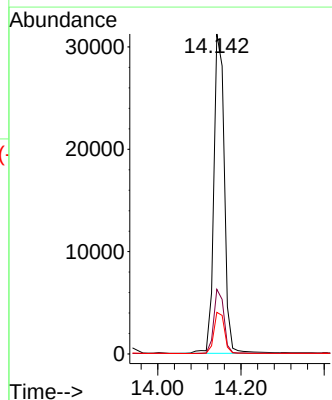
mohammad  
7/16/2021 8:53:27 AM

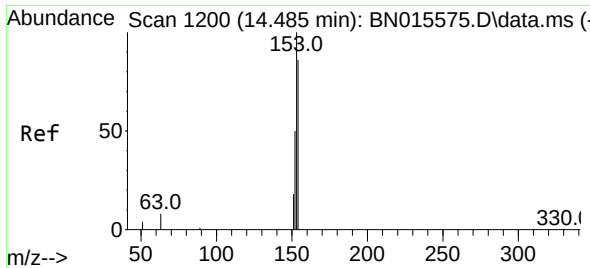


#16  
Acenaphthylene  
Concen: 0.364 ng  
RT: 14.142 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



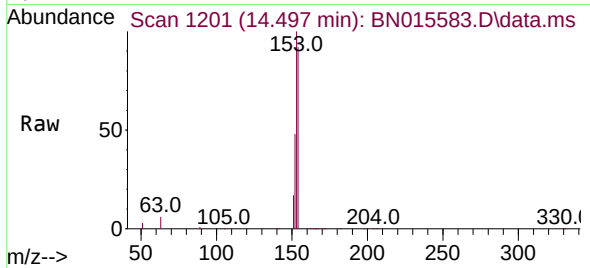
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 16.7  | 25.1  |
| 153     | 13.1  | 10.5  | 15.7  |





#17  
Acenaphthene  
Concen: 0.380 ng  
RT: 14.497 min Scan# 1201  
Delta R.T. 0.013 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

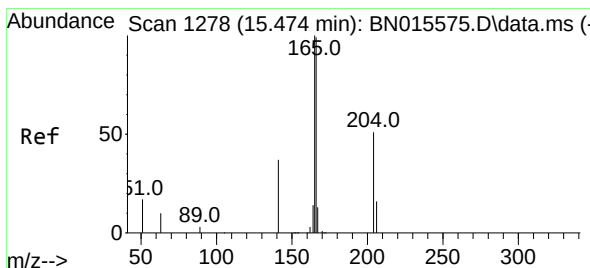
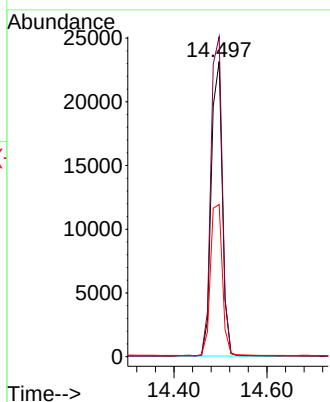
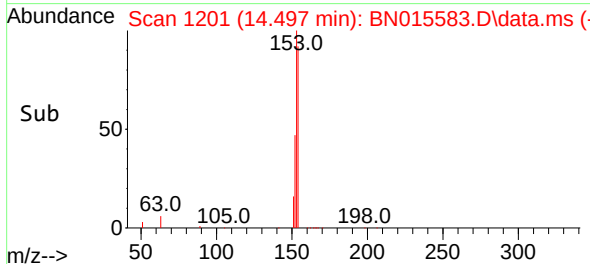
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



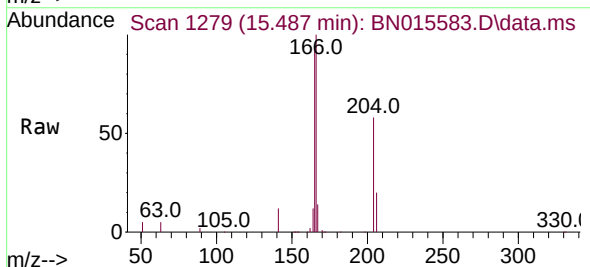
Tgt Ion:154 Resp: 38327  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.9 136.3  
152 55.1 45.8 68.8

Manual Integrations  
APPROVED

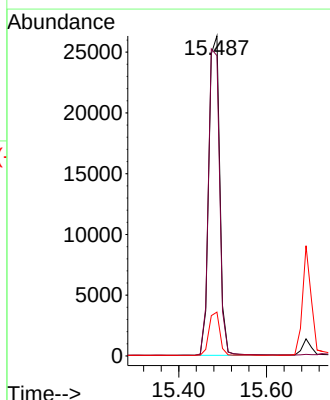
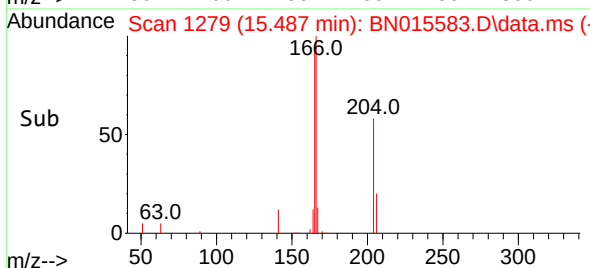
mohammad  
7/16/2021 8:53:27 AM

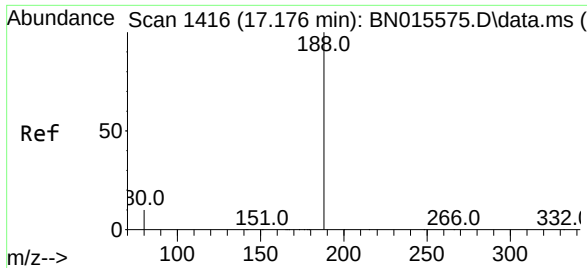


#18  
Fluorene  
Concen: 0.376 ng  
RT: 15.487 min Scan# 1279  
Delta R.T. 0.013 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

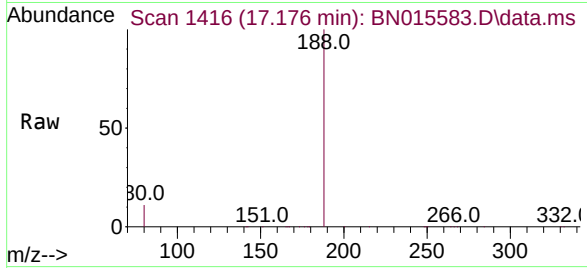


Tgt Ion:166 Resp: 45445  
Ion Ratio Lower Upper  
166 100  
165 97.7 79.2 118.8  
167 13.4 10.7 16.1

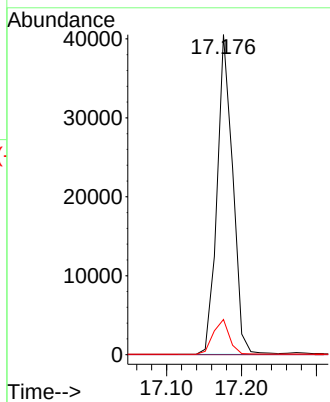
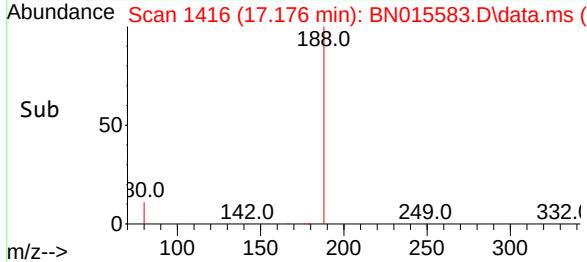




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.176 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



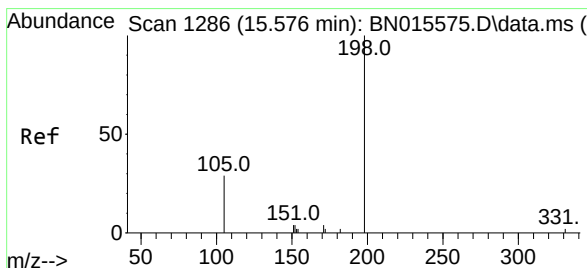
Tgt Ion:188 Resp: 58810  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.0 9.0 13.4



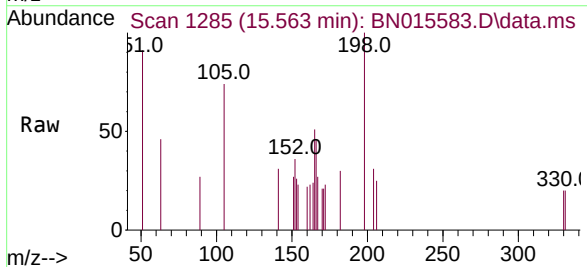
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

Manual Integrations  
APPROVED

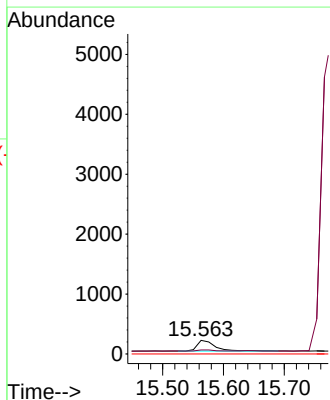
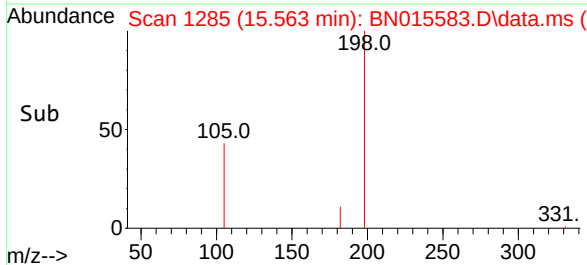
mohammad  
7/16/2021 8:53:27 AM

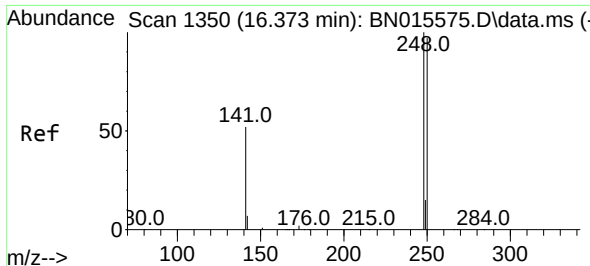


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.617 ng  
RT: 15.563 min Scan# 1285  
Delta R.T. -0.013 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



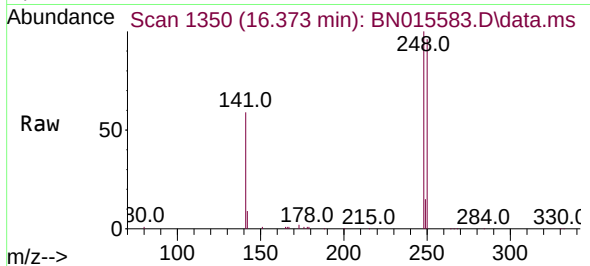
Tgt Ion:198 Resp: 376  
Ion Ratio Lower Upper  
198 100  
182 30.1 34.5 51.7#  
77 0.0 0.0 0.0





#21  
4-Bromophenyl-phenylether  
Concen: 0.371 ng  
RT: 16.373 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

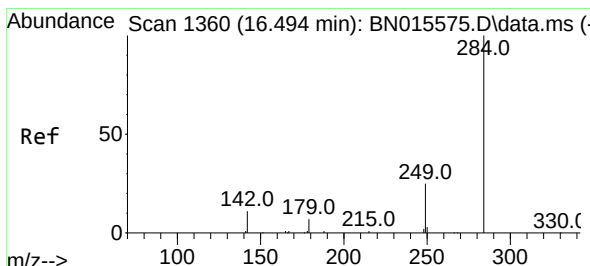
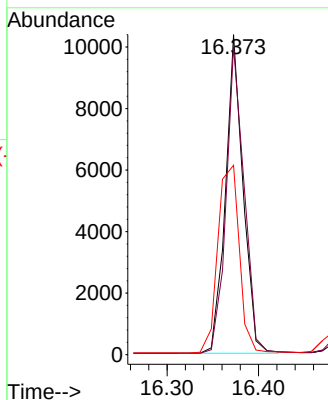
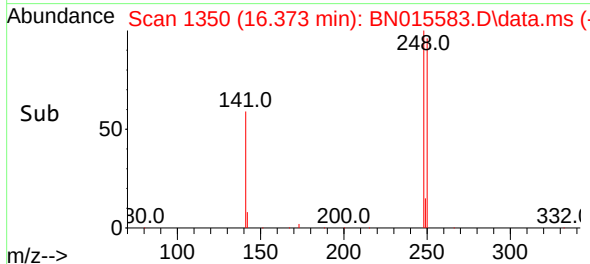
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



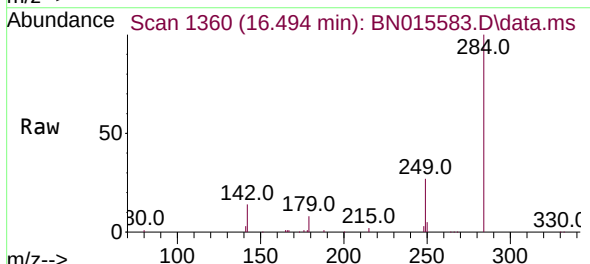
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.4  | 86.2  | 129.4 |
| 141     | 59.2  | 36.2  | 54.2# |

Manual Integrations  
APPROVED

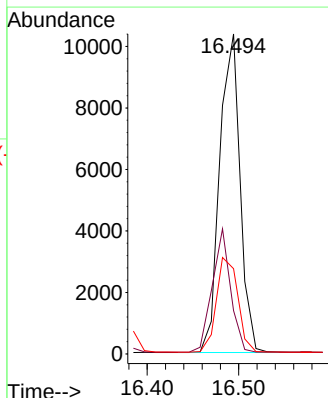
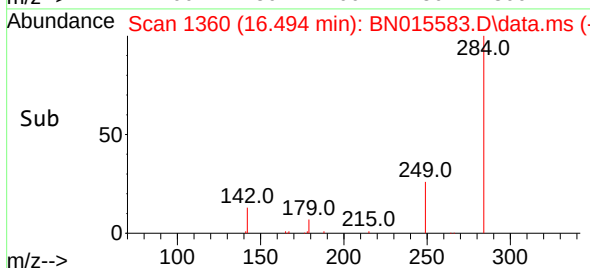
mohammad  
7/16/2021 8:53:27 AM

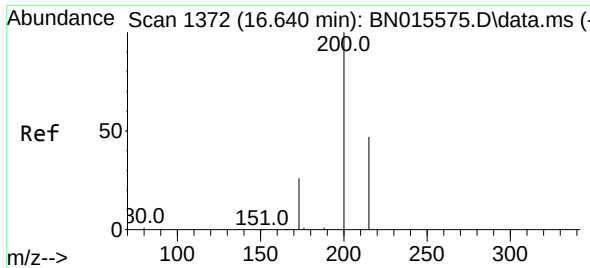


#22  
Hexachlorobenzene  
Concen: 0.381 ng  
RT: 16.494 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

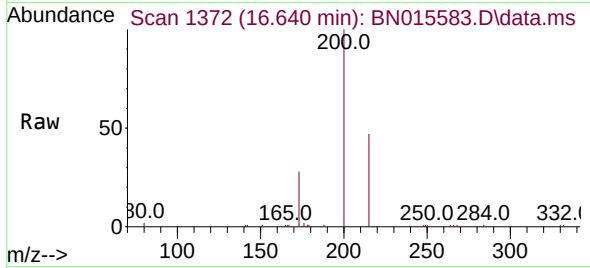


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.9  | 22.2  | 33.2# |
| 249     | 31.2  | 26.6  | 39.8  |

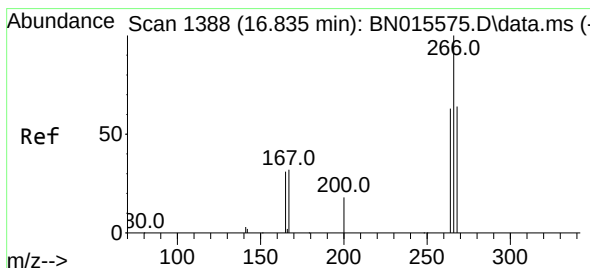
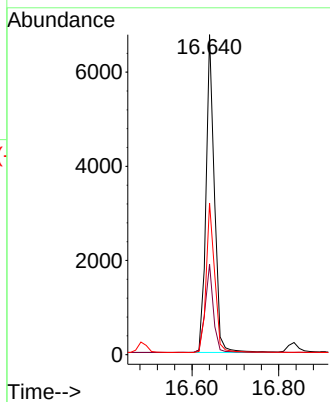
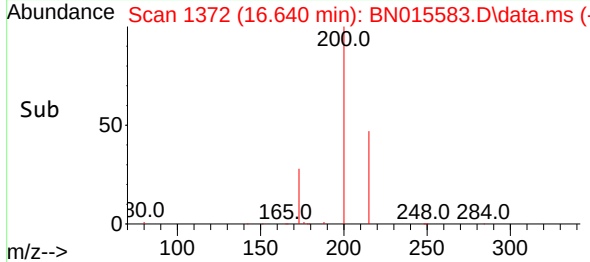




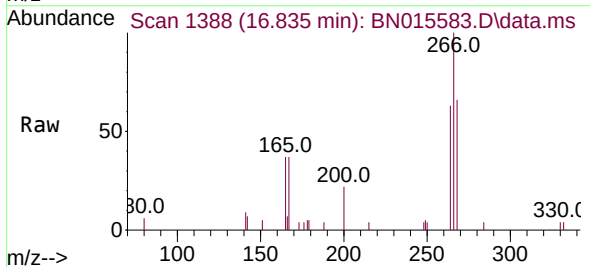
#23  
Atrazine  
Concen: 0.365 ng  
RT: 16.640 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



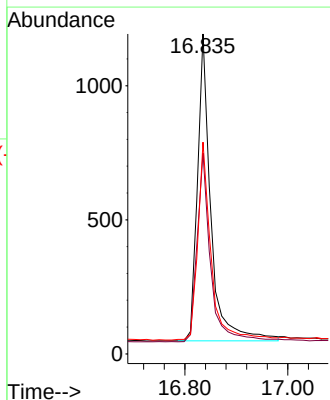
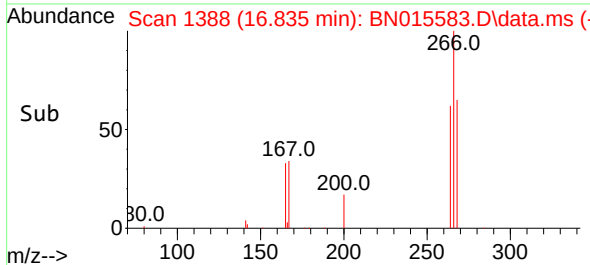
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.3  | 21.7  | 32.5  |
| 215     | 47.4  | 43.1  | 64.7  |



#24  
Pentachlorophenol  
Concen: 0.462 ng  
RT: 16.835 min Scan# 1388  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



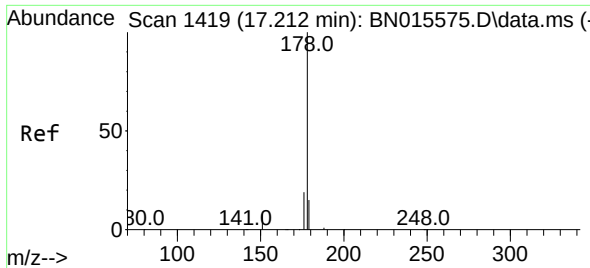
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.0  | 51.0  | 76.4  |
| 268     | 63.8  | 50.6  | 76.0  |



Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

Manual Integrations  
APPROVED

mohammad  
7/16/2021 8:53:27 AM



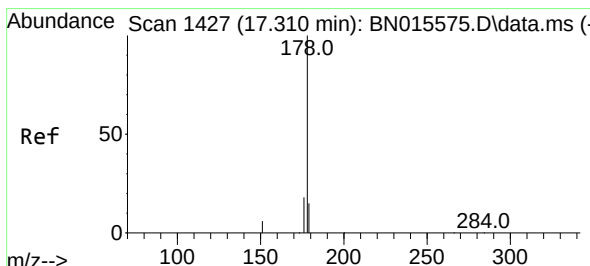
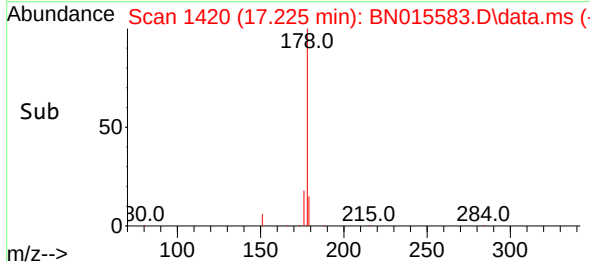
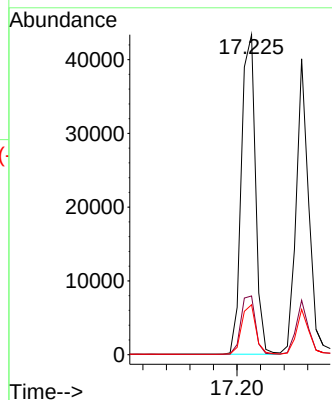
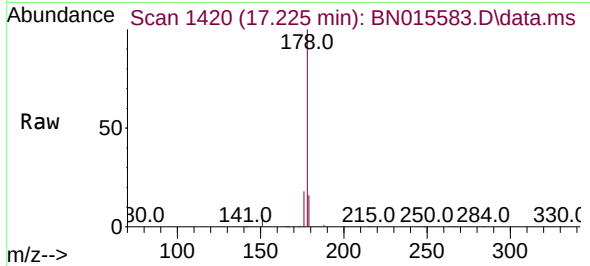
#25  
Phenanthrene  
Concen: 0.377 ng  
RT: 17.225 min Scan# 1420  
Delta R.T. 0.012 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:178 Resp: 71725  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.6 23.4  
179 15.7 12.1 18.1

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

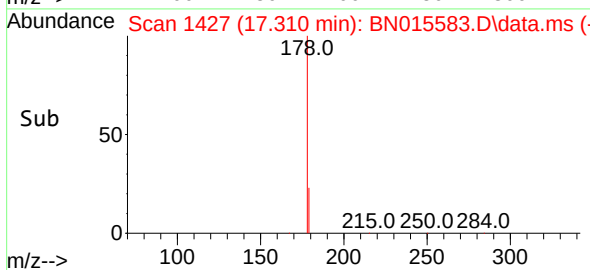
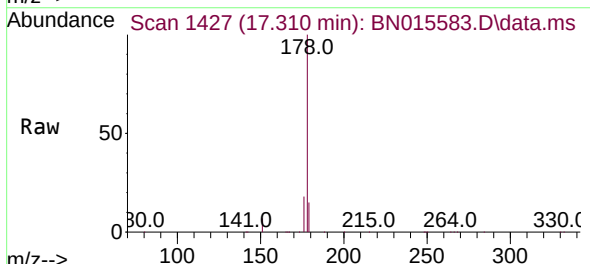
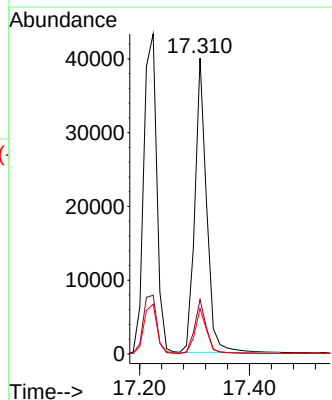
Manual Integrations  
APPROVED

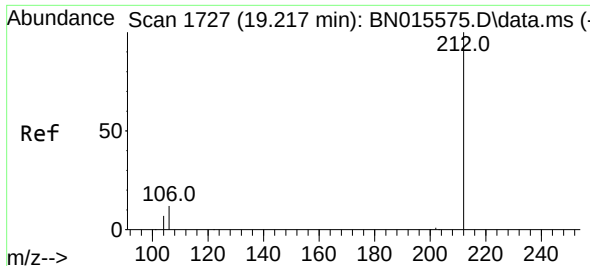
mohammad  
7/16/2021 8:53:27 AM



#26  
Anthracene  
Concen: 0.363 ng  
RT: 17.310 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:178 Resp: 59166  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.1 22.7  
179 15.2 12.2 18.2





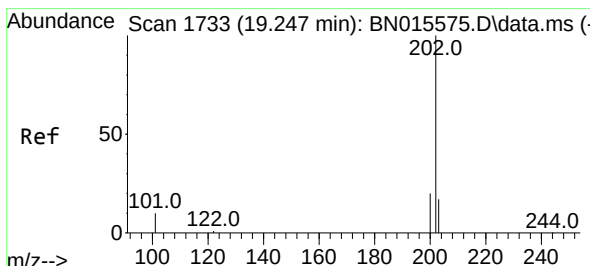
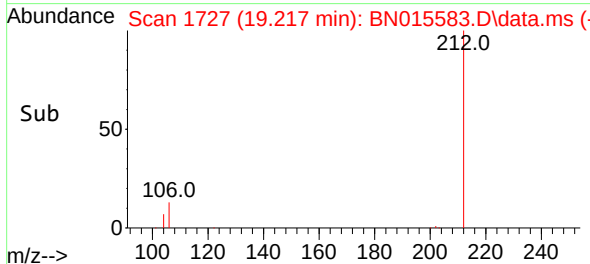
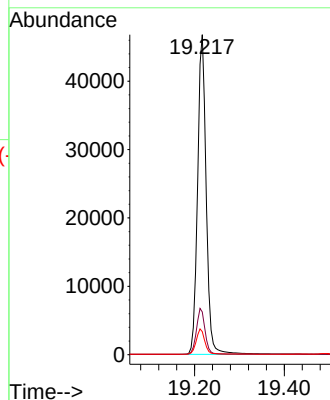
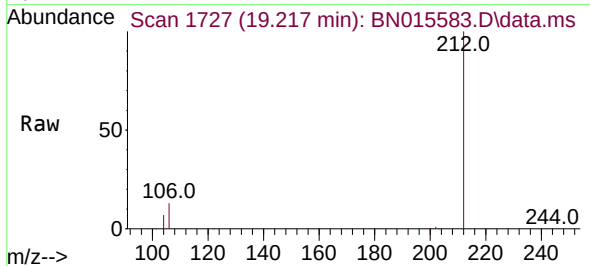
#27  
Fluoranthene-d10  
Concen: 0.354 ng  
RT: 19.217 min Scan# 1727  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:212 Resp: 62831  
Ion Ratio Lower Upper  
212 100  
106 14.4 7.0 10.6#  
104 7.8 4.1 6.1#

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

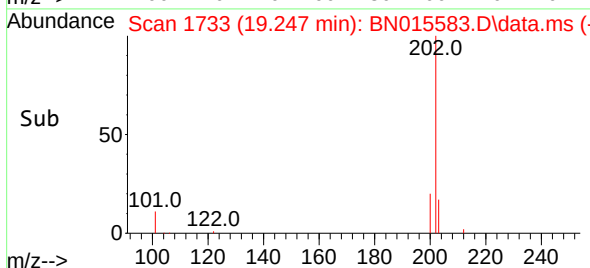
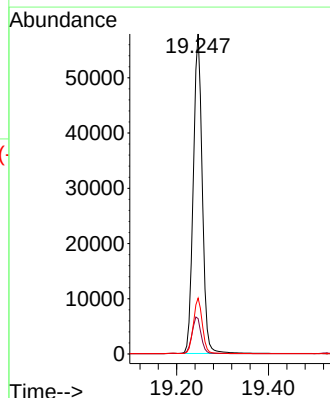
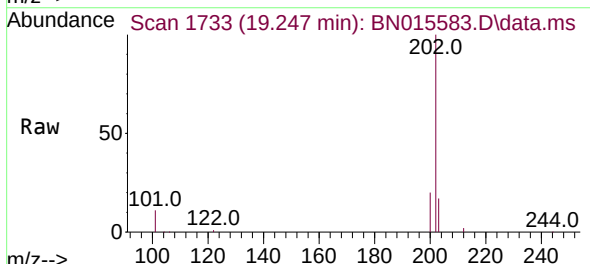
Manual Integrations  
APPROVED

mohammad  
7/16/2021 8:53:27 AM

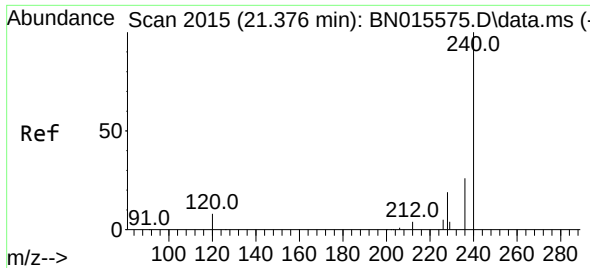


#28  
Fluoranthene  
Concen: 0.380 ng  
RT: 19.247 min Scan# 1733  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:202 Resp: 78301  
Ion Ratio Lower Upper  
202 100  
101 11.9 6.6 10.0#  
203 17.3 13.9 20.9







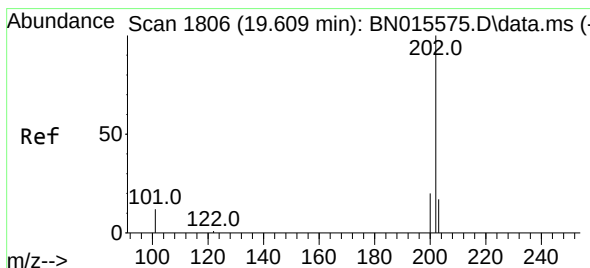
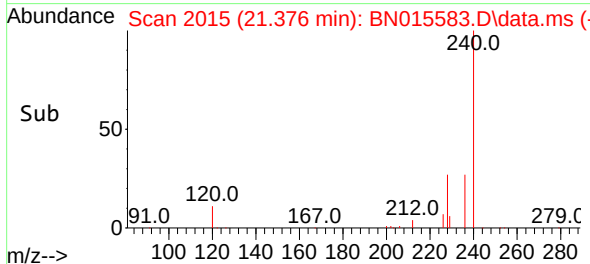
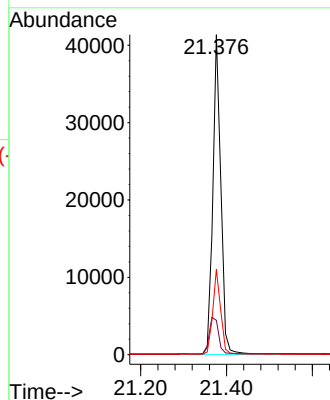
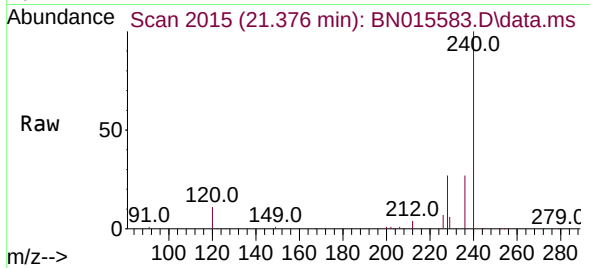
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.376 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 4.2   | 6.4#  |
| 236     | 26.6  | 21.4  | 32.2  |

Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

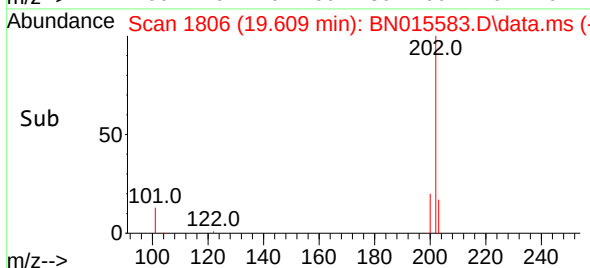
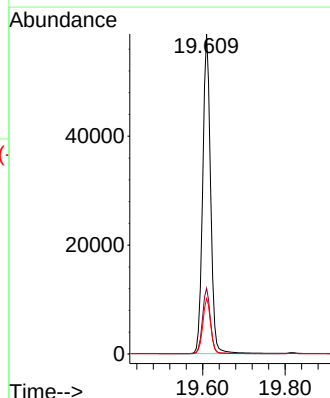
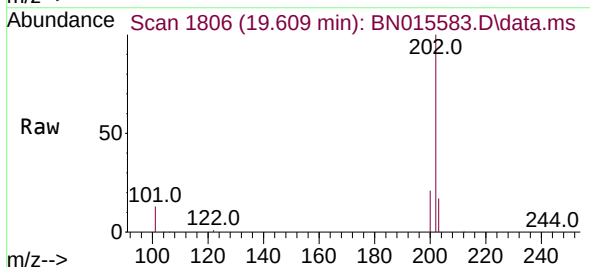
Manual Integrations  
APPROVED

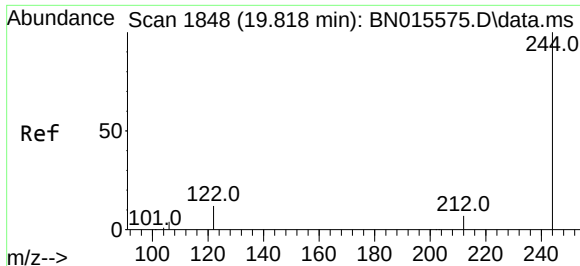
mohammad  
7/16/2021 8:53:27 AM



#30  
Pyrene  
Concen: 0.380 ng  
RT: 19.609 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

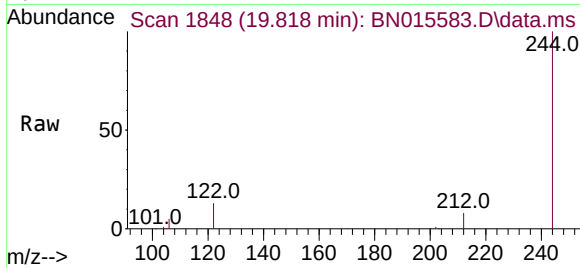
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.5  | 16.9  | 25.3  |
| 203     | 17.4  | 13.9  | 20.9  |





#31  
Terphenyl-d14  
Concen: 0.379 ng  
RT: 19.818 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

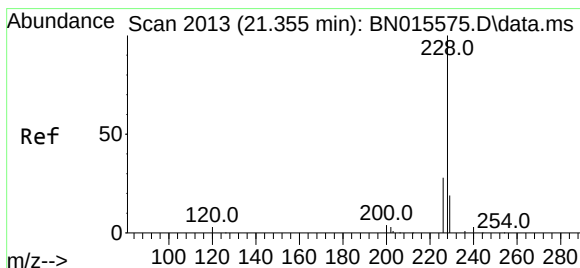
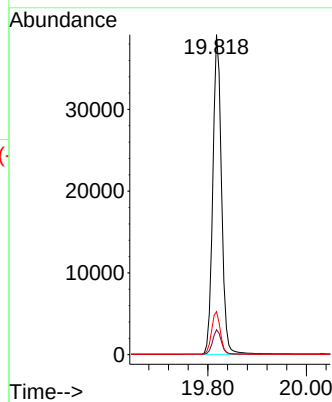
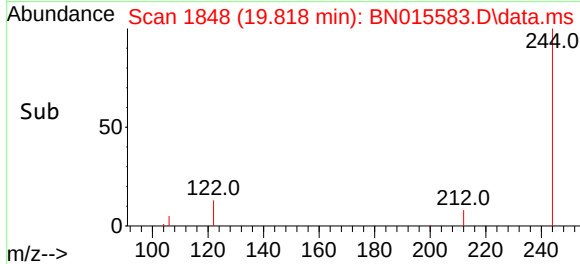
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



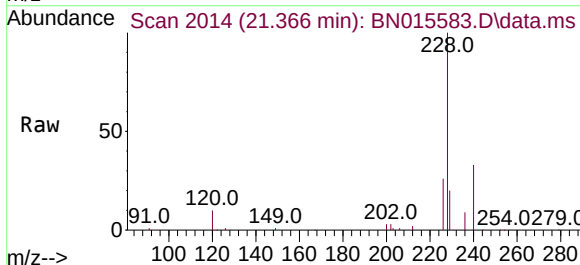
Tgt Ion:244 Resp: 47877  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.3 9.5  
122 13.5 6.2 9.2#

Manual Integrations  
APPROVED

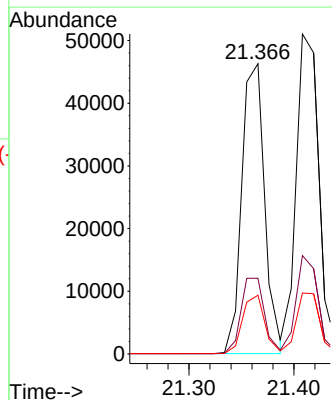
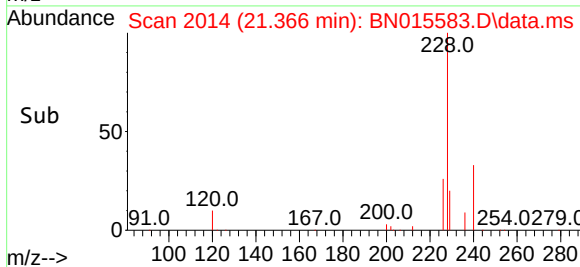
mohammad  
7/16/2021 8:53:27 AM

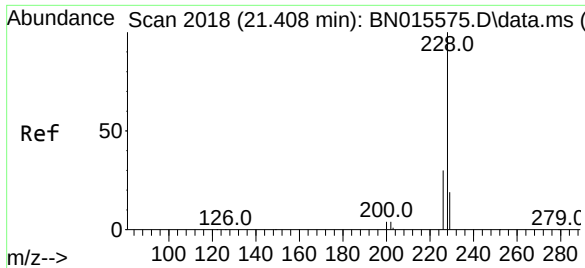


#32  
Benzo(a)anthracene  
Concen: 0.376 ng  
RT: 21.366 min Scan# 2014  
Delta R.T. 0.011 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



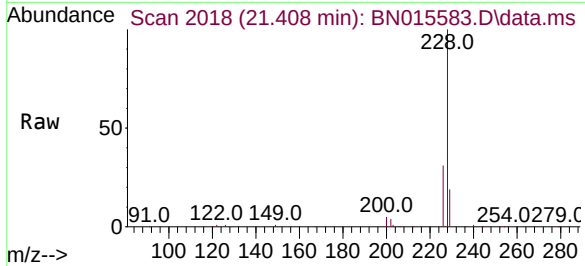
Tgt Ion:228 Resp: 69975  
Ion Ratio Lower Upper  
228 100  
226 26.1 23.0 34.6  
229 20.2 15.7 23.5





#33  
Chrysene  
Concen: 0.387 ng  
RT: 21.408 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

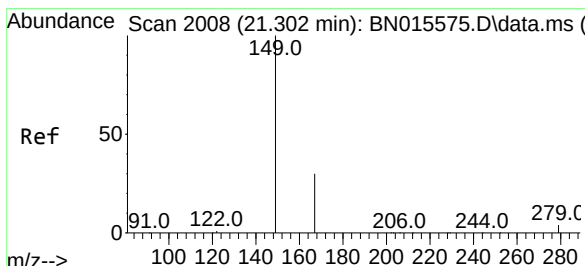
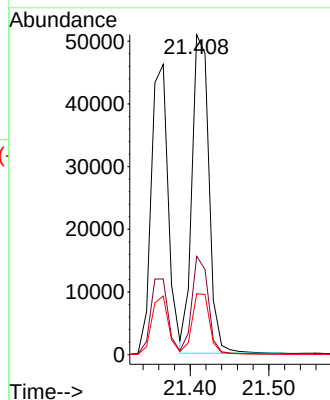
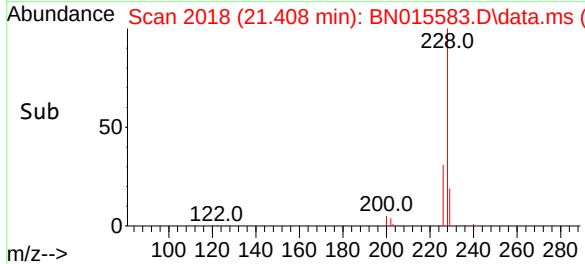
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD



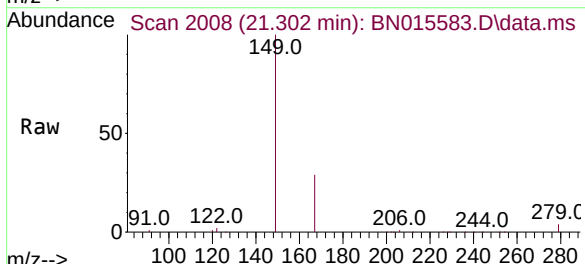
Tgt Ion:228 Resp: 76278  
Ion Ratio Lower Upper  
228 100  
226 30.7 25.0 37.6  
229 19.1 15.9 23.9

Manual Integrations  
APPROVED

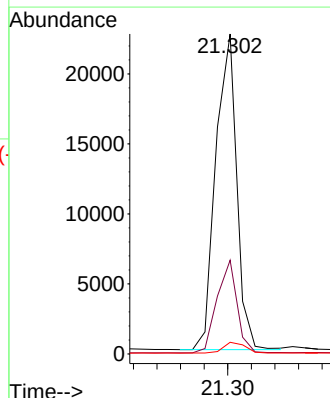
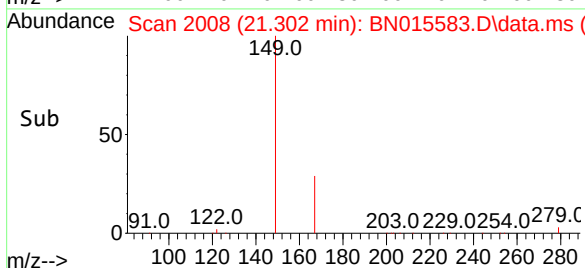
mohammad  
7/16/2021 8:53:27 AM

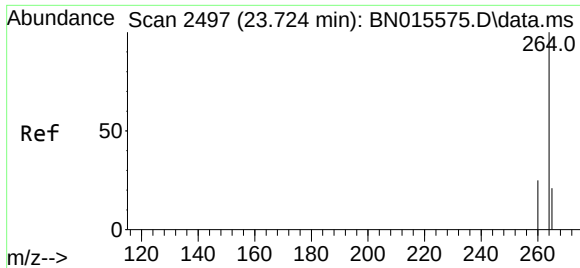


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.349 ng  
RT: 21.302 min Scan# 2008  
Delta R.T. -0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



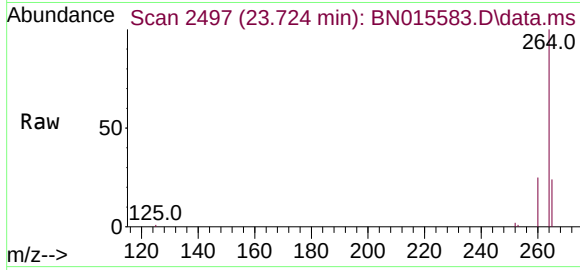
Tgt Ion:149 Resp: 27815  
Ion Ratio Lower Upper  
149 100  
167 28.1 28.9 43.3#  
279 3.6 4.9 7.3#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.724 min Scan# 2497  
 Delta R.T. 0.000 min  
 Lab File: BN015583.D  
 Acq: 15 Jul 2021 17:47

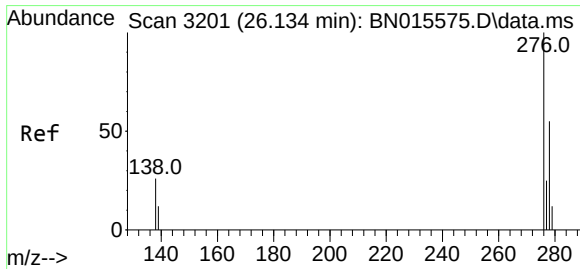
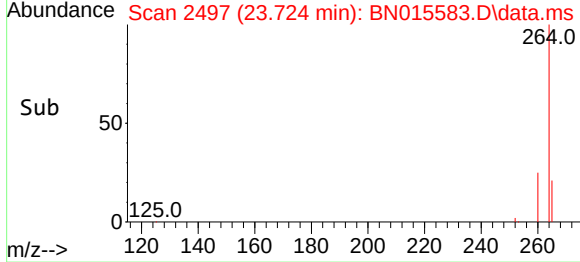
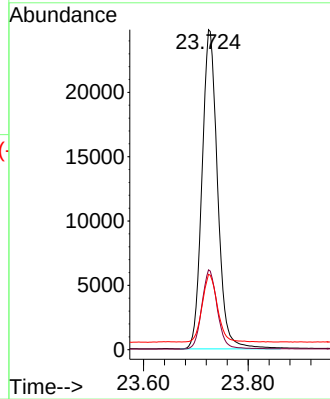
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB137284BSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 51178 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 25.0  | 20.6  | 31.0  |
| 265       | 23.5  | 21.4  | 32.2  |

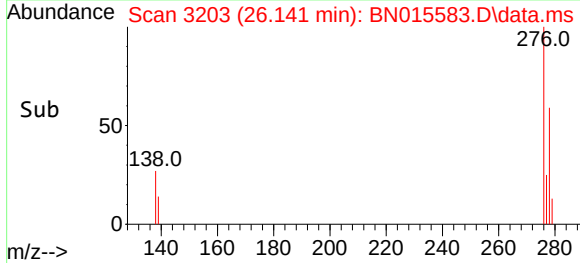
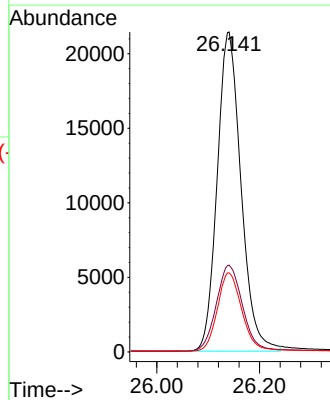
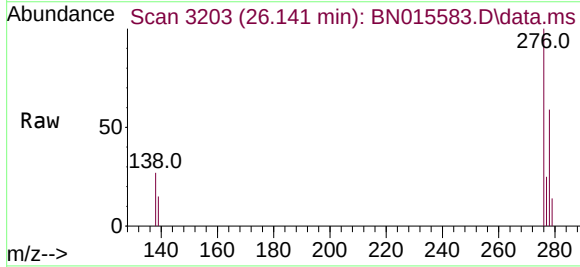
Manual Integrations  
 APPROVED

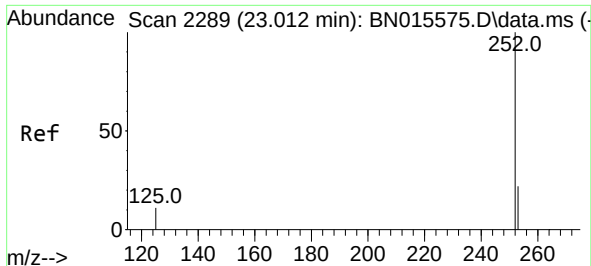
mohammad  
 7/16/2021 8:53:27 AM



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.376 ng  
 RT: 26.141 min Scan# 3203  
 Delta R.T. 0.007 min  
 Lab File: BN015583.D  
 Acq: 15 Jul 2021 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 68783 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 29.5  | 10.0  | 15.0# |
| 277       | 25.0  | 20.4  | 30.6  |





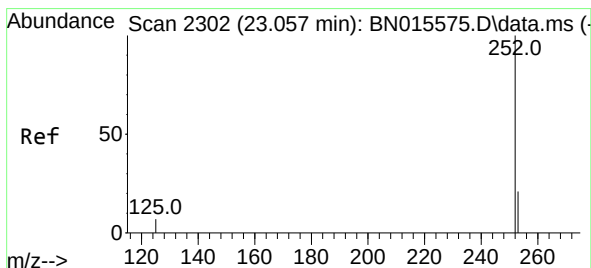
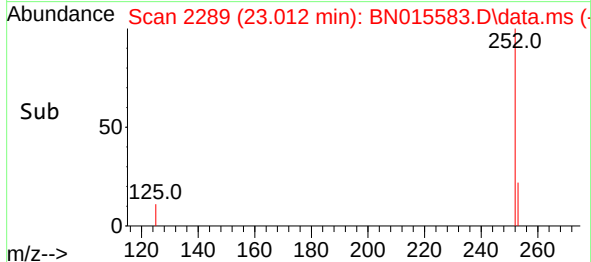
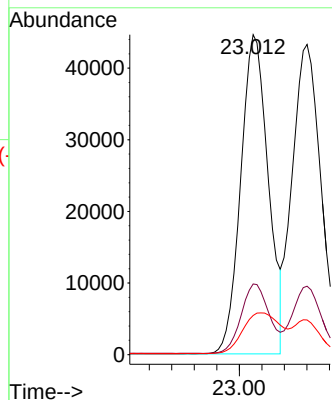
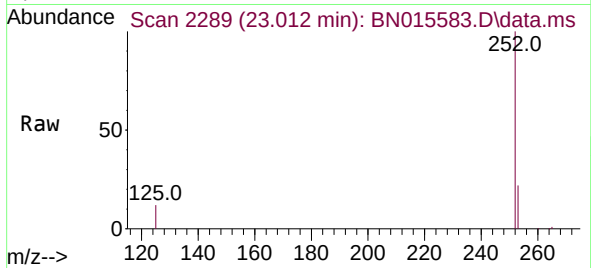
#37  
Benzo(b)fluoranthene  
Concen: 0.377 ng  
RT: 23.012 min Scan# 2289  
Delta R.T. 0.000 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:252 Resp: 75622  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.5 27.7  
125 12.2 5.8 8.6#

Instrument :  
BNA\_N  
ClientSampled :  
PB137284BSD

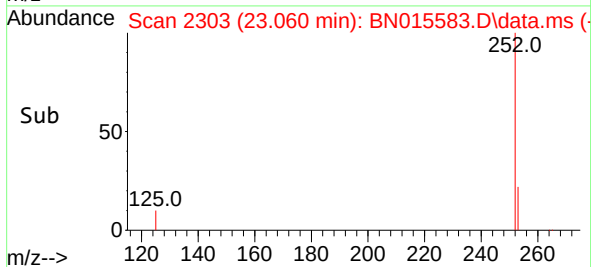
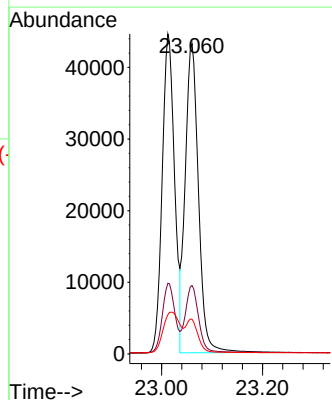
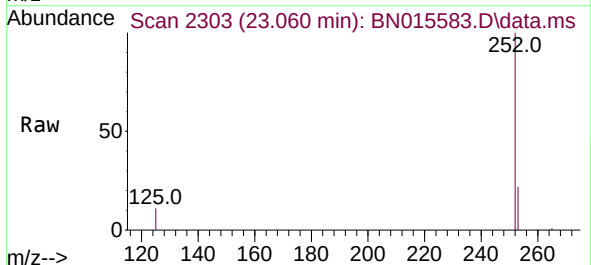
Manual Integrations  
APPROVED

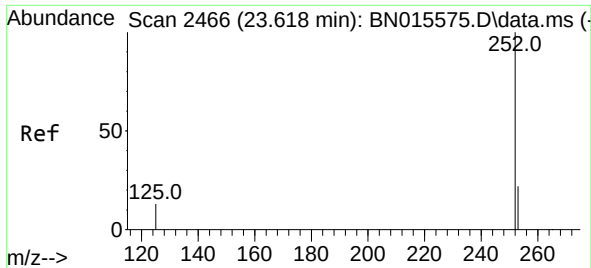
mohammad  
7/16/2021 8:53:27 AM



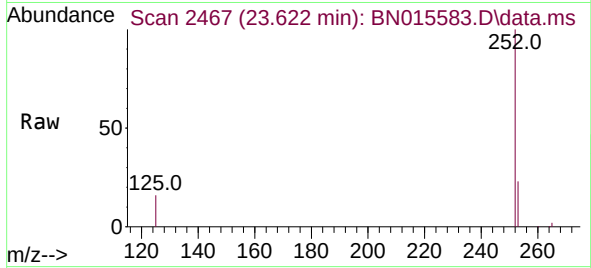
#38  
Benzo(k)fluoranthene  
Concen: 0.388 ng  
RT: 23.060 min Scan# 2303  
Delta R.T. 0.003 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47

Tgt Ion:252 Resp: 78548  
Ion Ratio Lower Upper  
252 100  
253 22.1 19.1 28.7  
125 11.2 5.4 8.0#

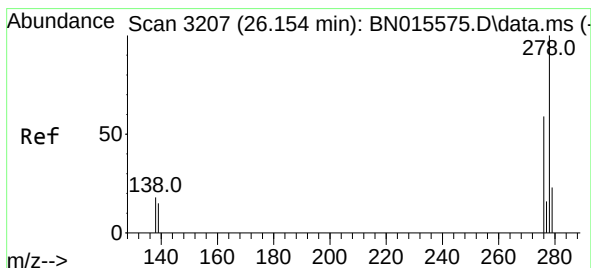
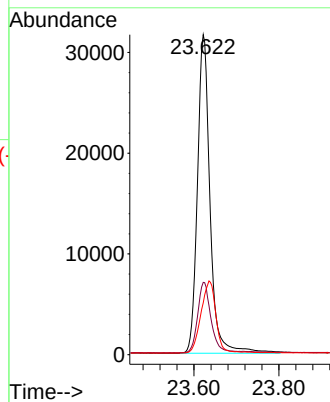
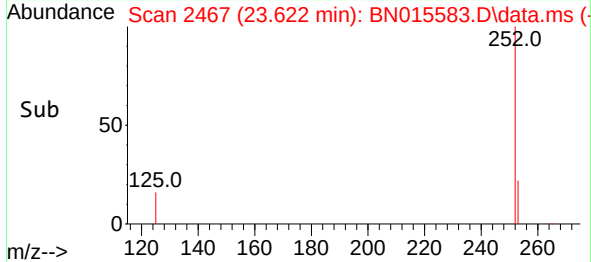




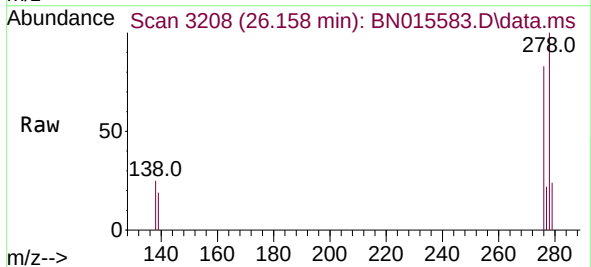
#39  
Benzo(a)pyrene  
Concen: 0.378 ng  
RT: 23.622 min Scan# 2467  
Delta R.T. 0.003 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



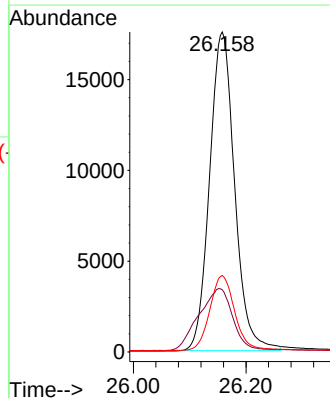
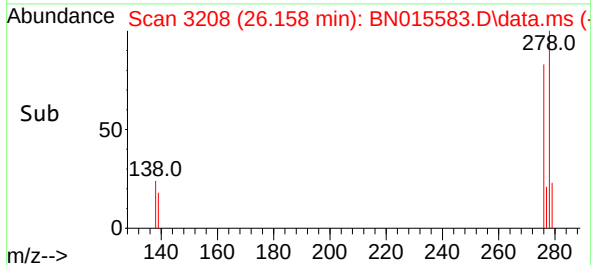
Tgt Ion:252 Resp: 65275  
Ion Ratio Lower Upper  
252 100  
253 22.6 19.4 29.2  
125 16.2 7.4 11.2#



#40  
Dibenzo(a,h)anthracene  
Concen: 0.377 ng  
RT: 26.158 min Scan# 3208  
Delta R.T. 0.003 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



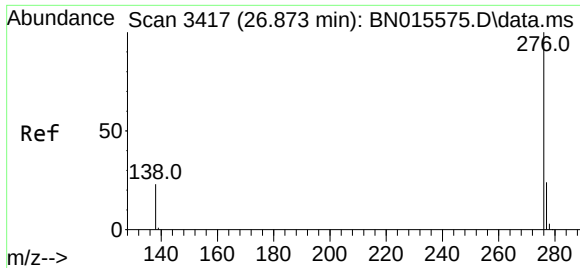
Tgt Ion:278 Resp: 54128  
Ion Ratio Lower Upper  
278 100  
139 19.4 9.0 13.4#  
279 23.9 21.0 31.4



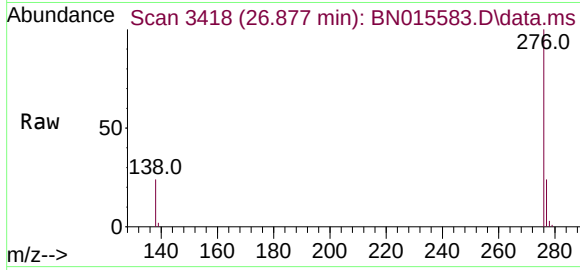
Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

Manual Integrations  
APPROVED

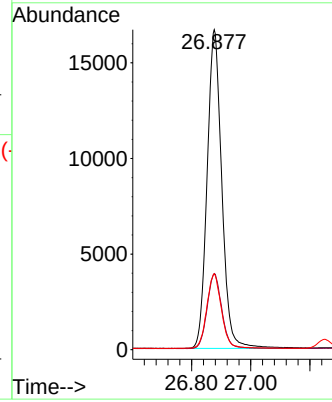
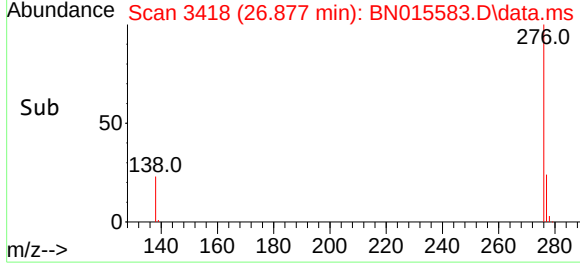
mohammad  
7/16/2021 8:53:27 AM



#41  
Benzo(g,h,i)perylene  
Concen: 0.370 ng  
RT: 26.877 min Scan# 3418  
Delta R.T. 0.003 min  
Lab File: BN015583.D  
Acq: 15 Jul 2021 17:47



Tgt Ion: 276 Resp: 57349  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.7 29.5  
138 23.8 9.8 14.6#



Instrument :  
BNA\_N  
ClientSampleId :  
PB137284BSD

Manual Integrations  
APPROVED

mohammad  
7/16/2021 8:53:27 AM