

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030321\  
 Data File : BN013823.D  
 Acq On : 03 Mar 2021 17:06  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

mohammad  
 3/4/2021 11:33:04 AM

Quant Time: Mar 03 17:43:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 25 11:31:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.733  | 152  | 6168     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.518 | 136  | 23116    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.372 | 164  | 12329    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.116 | 188  | 26151    | 0.40 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.293 | 240  | 25653    | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.534 | 264  | 24889    | 0.40 | ng    | #-0.02   |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.325  | 112  | 6111     | 0.37 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.895  | 99   | 8316     | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.870  | 82   | 6387     | 0.43 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.106 | 152  | 14762    | 0.39 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.856 | 330  | 1599     | 0.32 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.989 | 172  | 19562    | 0.45 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.144 | 212  | 29137    | 0.38 | ng    | -0.01    |
| 31) Terphenyl-d14             | 19.744 | 244  | 22953    | 0.41 | ng    | -0.02    |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.263  | 88   | 3345     | 0.45 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.585  | 42   | 2546     | 0.44 | ng    | # 89     |
| 6) bis(2-Chloroethyl)ether    | 7.161  | 93   | 7091     | 0.45 | ng    | 94       |
| 9) Naphthalene                | 10.568 | 128  | 23960    | 0.42 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.860 | 225  | 4565     | 0.42 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.182 | 142  | 15964    | 0.40 | ng    | 99       |
| 16) Acenaphthylene            | 14.080 | 152  | 19604    | 0.36 | ng    | 100      |
| 17) Acenaphthene              | 14.435 | 154  | 14024    | 0.41 | ng    | 98       |
| 18) Fluorene                  | 15.425 | 166  | 17381    | 0.39 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.488 | 198  | 896      | 0.49 | ng    | # 60     |
| 21) 4-Bromophenyl-phenylether | 16.313 | 248  | 5646     | 0.40 | ng    | # 87     |
| 22) Hexachlorobenzene         | 16.423 | 284  | 6657     | 0.45 | ng    | 100      |
| 23) Atrazine                  | 16.581 | 200  | 3575     | 0.27 | ng    | 99       |
| 24) Pentachlorophenol         | 16.763 | 266  | 1803     | 0.37 | ng    | 95       |
| 25) Phenanthrene              | 17.153 | 178  | 28734    | 0.42 | ng    | 100      |
| 26) Anthracene                | 17.250 | 178  | 24311    | 0.37 | ng    | 100      |
| 28) Fluoranthene              | 19.174 | 202  | 31867    | 0.39 | ng    | 99       |
| 30) Pyrene                    | 19.536 | 202  | 32351    | 0.41 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.271 | 228  | 28782    | 0.36 | ng    | 96       |
| 33) Chrysene                  | 21.324 | 228  | 32505    | 0.42 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.218 | 149  | 8529     | 0.23 | ng    | 98       |
| 35) Indeno(1,2,3-cd)pyrene    | 25.793 | 276  | 38942    | 0.42 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.863 | 252  | 33739    | 0.42 | ng    | 95       |
| 38) Benzo(k)fluoranthene      | 22.904 | 252  | 34840m   | 0.45 | ng    |          |
| 39) Benzo(a)pyrene            | 23.438 | 252  | 29867    | 0.42 | ng    | 96       |
| 40) Dibenzo(a,h)anthracene    | 25.810 | 278  | 32048    | 0.42 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.484 | 276  | 32087    | 0.42 | ng    | 98       |
| -----                         |        |      |          |      |       |          |

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

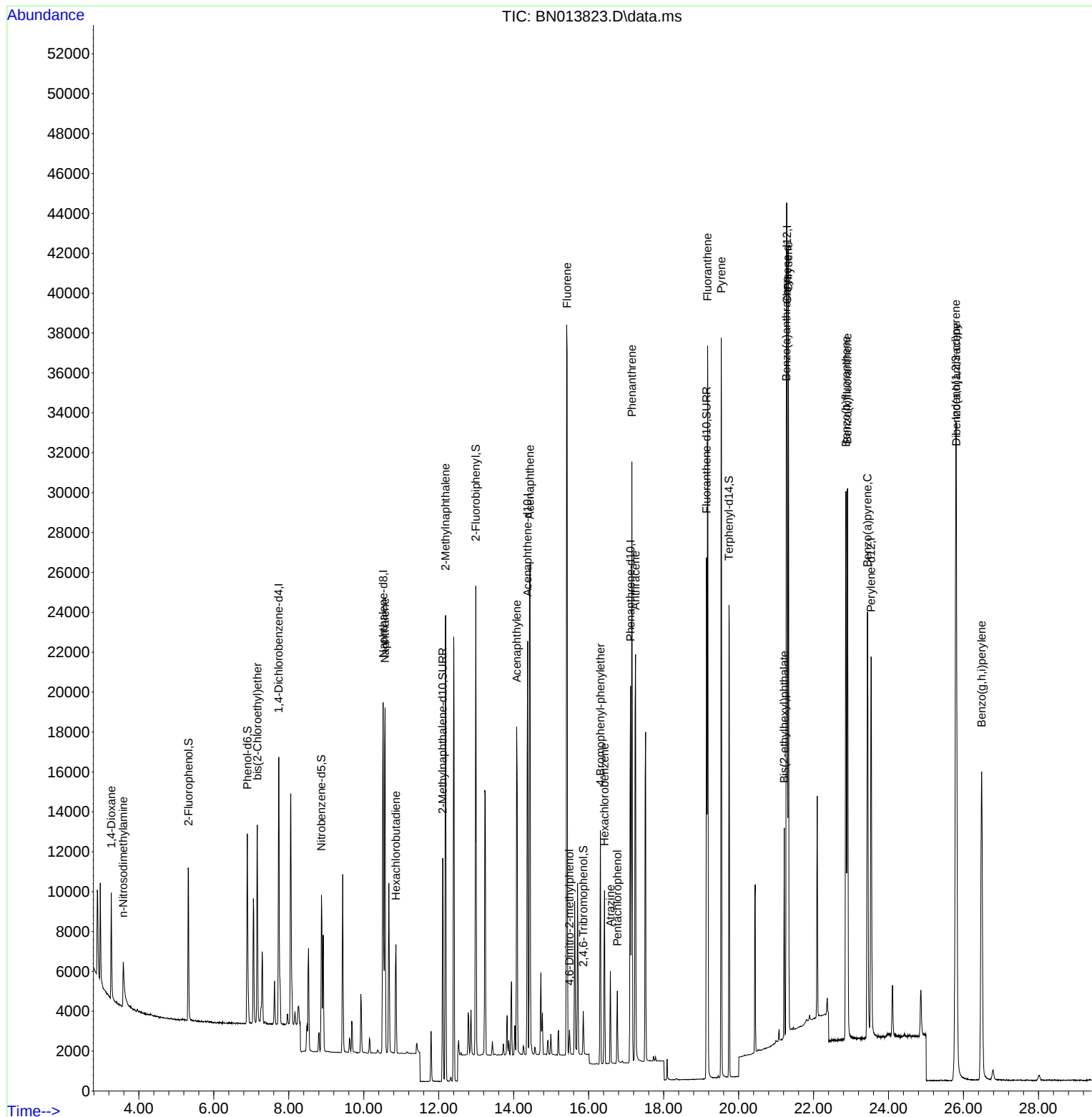
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030321\  
Data File : BN013823.D  
Acq On : 03 Mar 2021 17:06  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

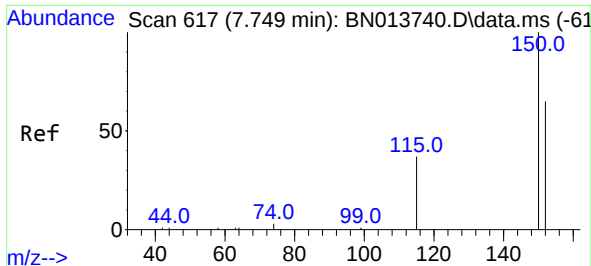
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

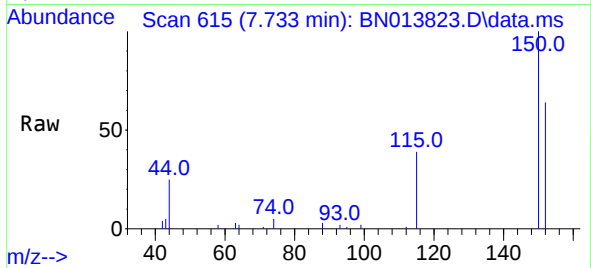
mohammad  
3/4/2021 11:33:04 AM

Quant Time: Mar 03 17:43:48 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 25 11:31:11 2021  
Response via : Initial Calibration



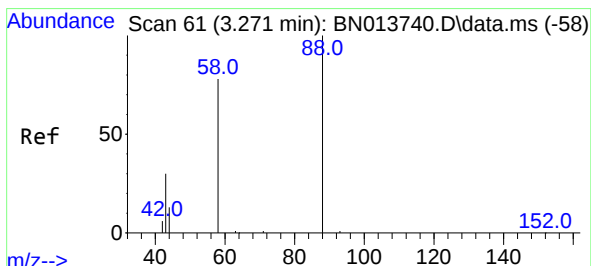
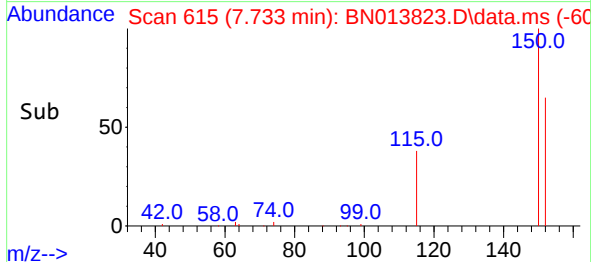
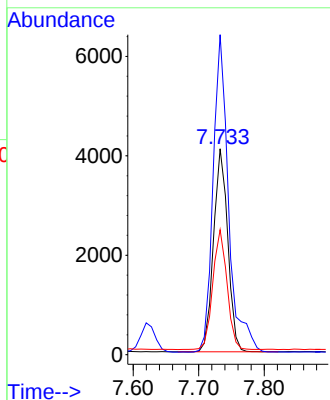


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.733 min Scan# 615  
Delta R.T. -0.008 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

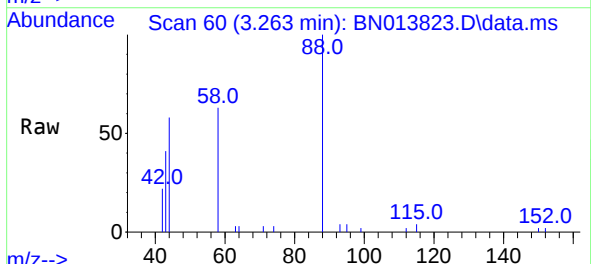


Tgt Ion: 152 Resp: 6168

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 155.4 | 121.8 | 182.8 |
| 115 | 60.7  | 46.6  | 69.8  |

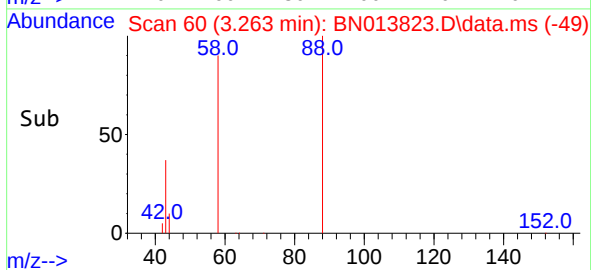
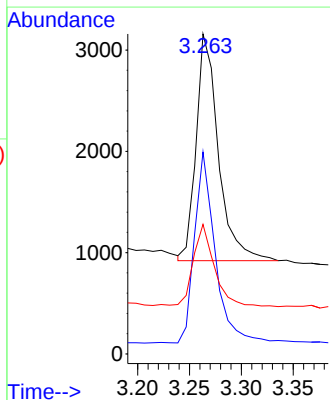


#2  
1,4-Dioxane  
Concen: 0.45 ng  
RT: 3.263 min Scan# 60  
Delta R.T. -0.008 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



Tgt Ion: 88 Resp: 3345

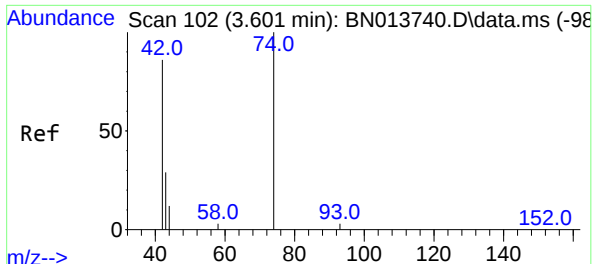
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 78.4  | 64.6  | 96.8  |
| 43  | 35.1  | 26.6  | 40.0  |



Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

mohammad  
3/4/2021 11:33:04 AM



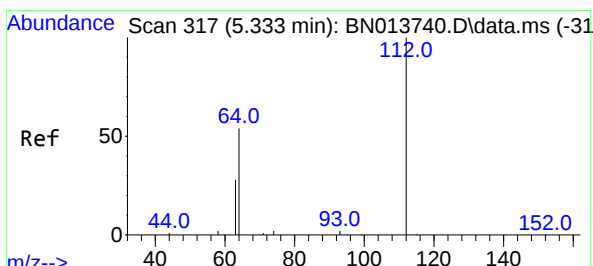
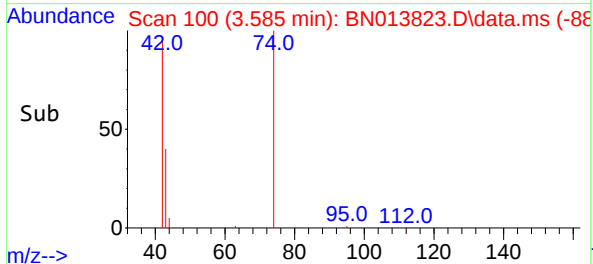
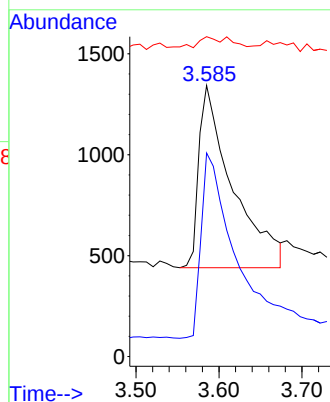
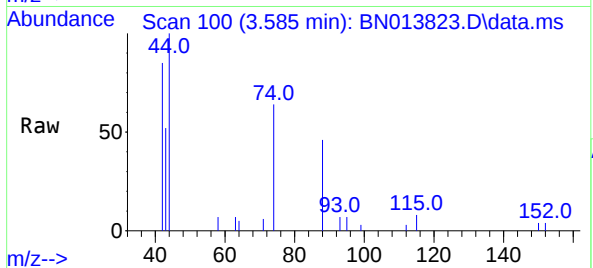
#3  
n-Nitrosodimethylamine  
Concen: 0.44 ng  
RT: 3.585 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion: 42 Resp: 2546  
Ion Ratio Lower Upper  
42 100  
74 106.4 95.0 142.6  
44 2.9 5.8 8.8#

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

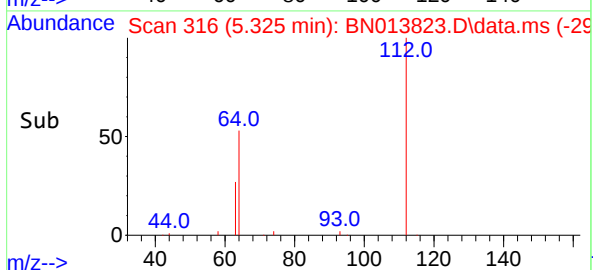
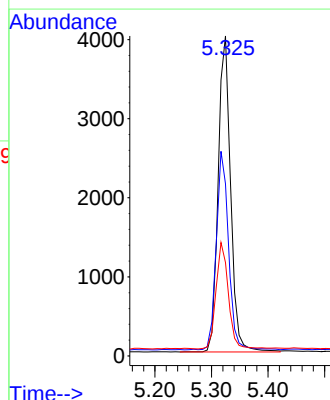
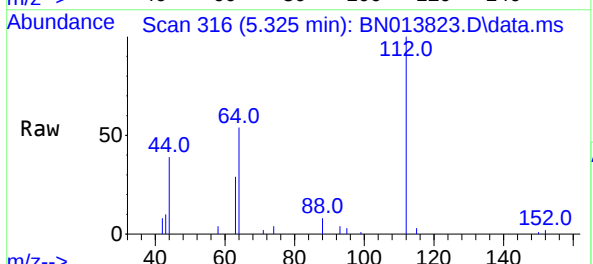
Manual Integrations  
APPROVED

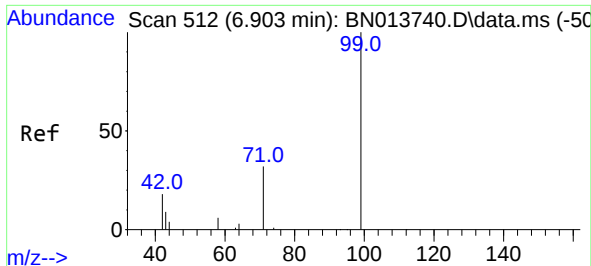
mohammad  
3/4/2021 11:33:04 AM



#4  
2-Fluorophenol  
Concen: 0.37 ng  
RT: 5.325 min Scan# 316  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion: 112 Resp: 6111  
Ion Ratio Lower Upper  
112 100  
64 62.0 44.3 66.5  
63 33.4 23.0 34.6





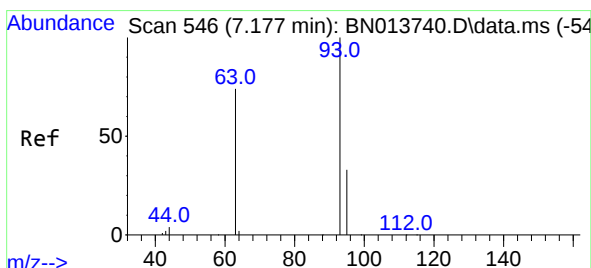
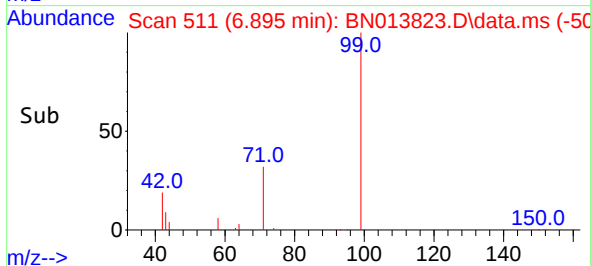
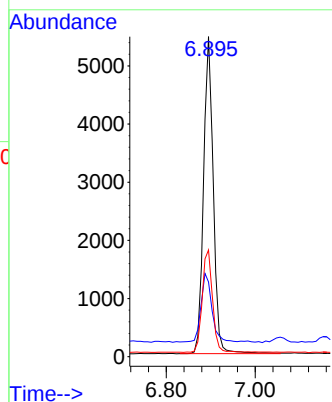
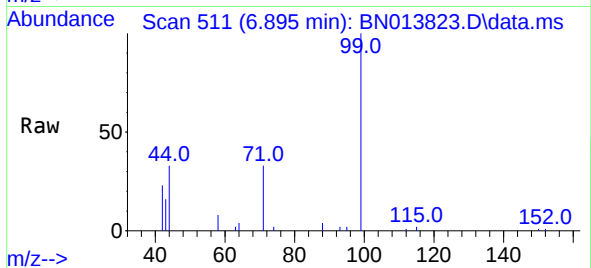
#5  
Phenol-d6  
Concen: 0.38 ng  
RT: 6.895 min Scan# 511  
Delta R.T. -0.008 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion: 99 Resp: 8316  
Ion Ratio Lower Upper  
99 100  
42 23.8 15.2 22.8#  
71 33.8 26.1 39.1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

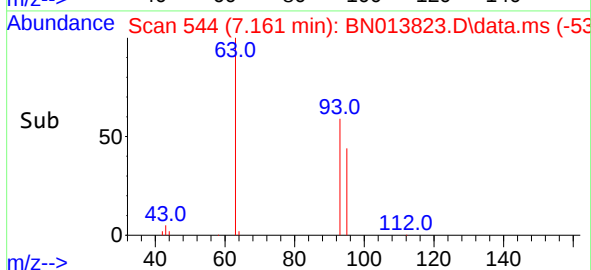
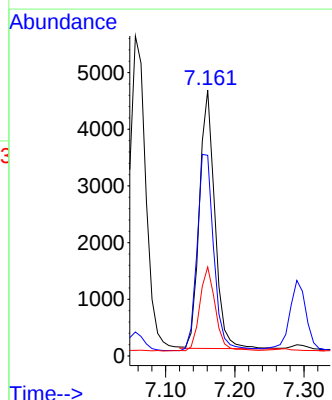
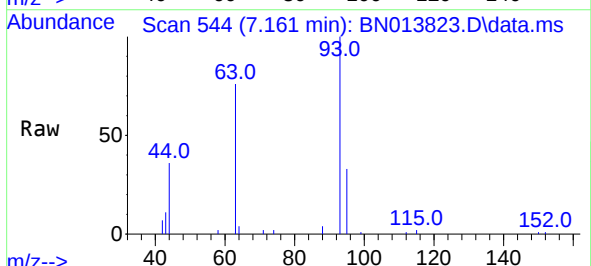
Manual Integrations  
APPROVED

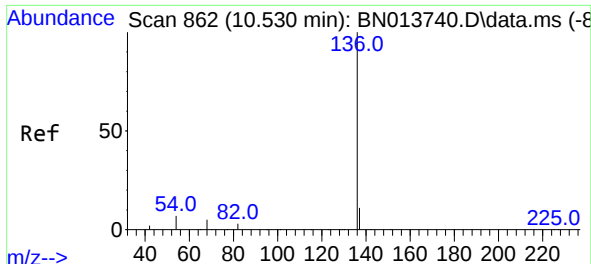
mohammad  
3/4/2021 11:33:04 AM



#6  
bis(2-Chloroethyl)ether  
Concen: 0.45 ng  
RT: 7.161 min Scan# 544  
Delta R.T. -0.008 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

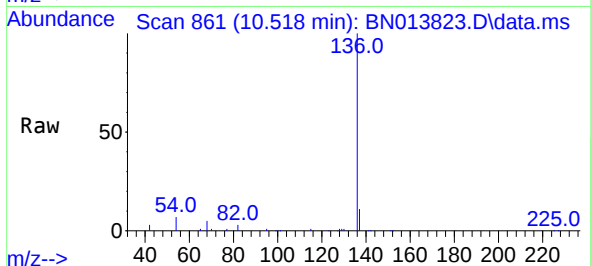
Tgt Ion: 93 Resp: 7091  
Ion Ratio Lower Upper  
93 100  
63 82.5 60.8 91.2  
95 32.9 26.0 39.0





#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.518 min Scan# 861  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

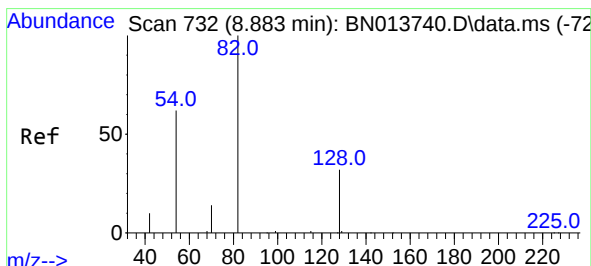
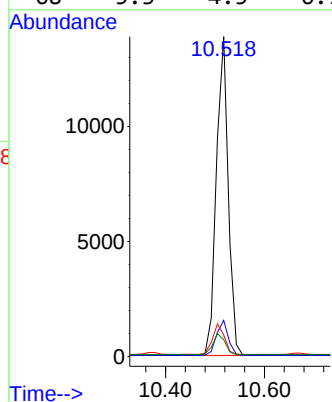
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



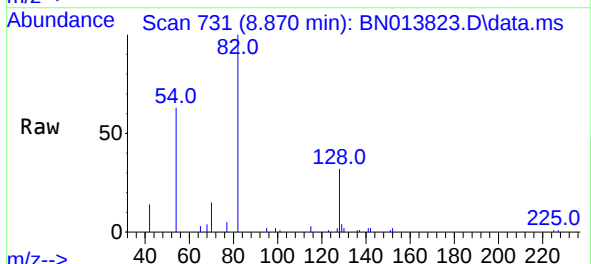
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 23116 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.0   | 13.6  |
| 54       | 6.8   | 6.4   | 9.6   |
| 68       | 5.3   | 4.5   | 6.7   |

Manual Integrations  
APPROVED

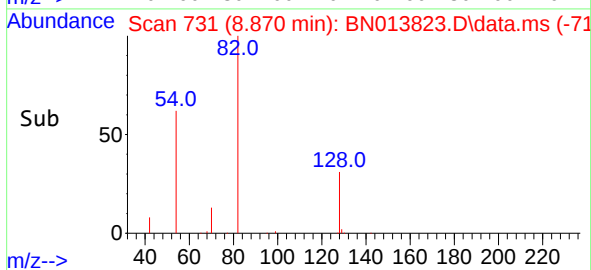
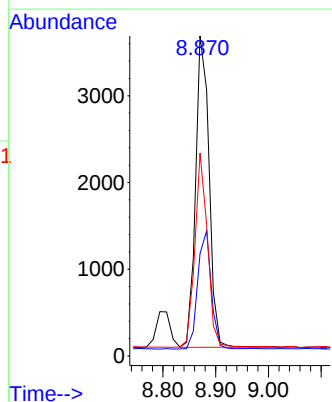
mohammad  
3/4/2021 11:33:04 AM

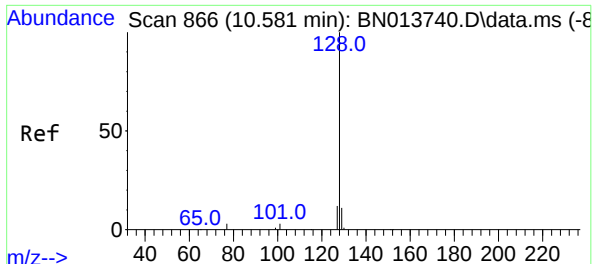


#8  
Nitrobenzene-d5  
Concen: 0.43 ng  
RT: 8.870 min Scan# 731  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 6387  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 32.0  | 39.2  | 58.8# |
| 54       | 63.4  | 40.1  | 60.1# |





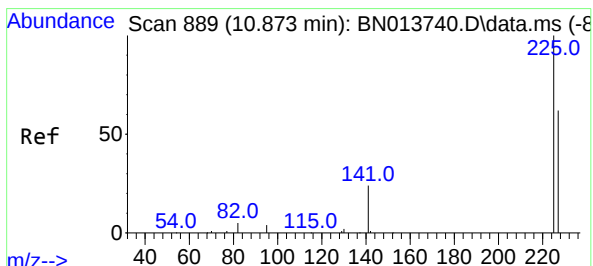
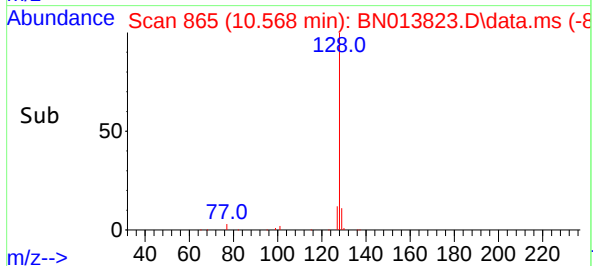
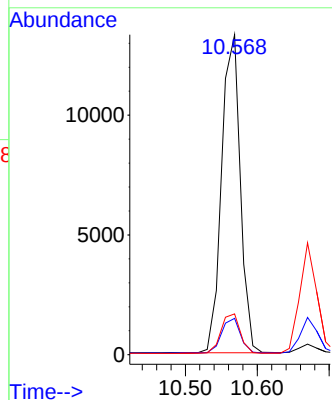
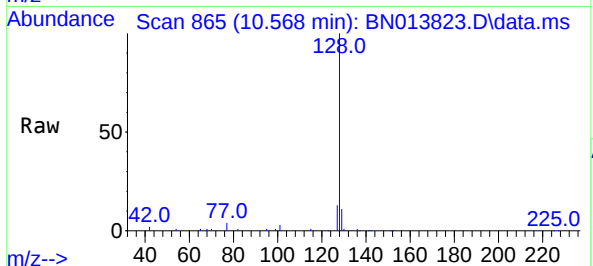
#9  
Naphthalene  
Concen: 0.42 ng  
RT: 10.568 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 23960 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.4  | 9.0   | 13.4  |
| 127       | 12.8  | 10.4  | 15.6  |

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

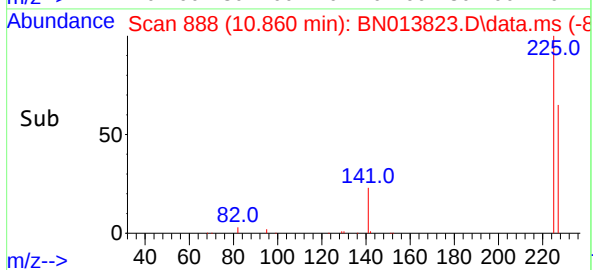
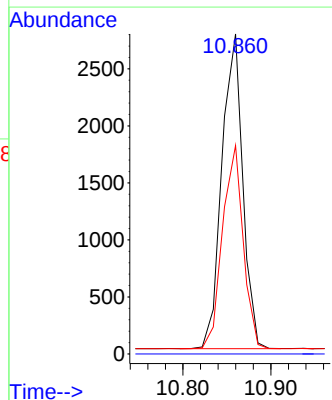
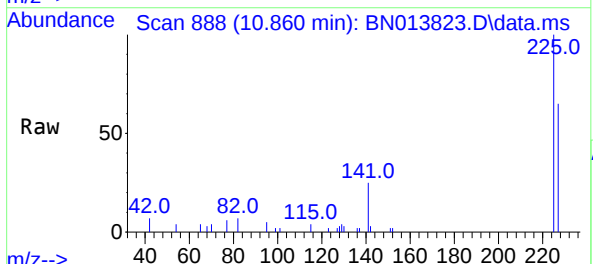
Manual Integrations  
APPROVED

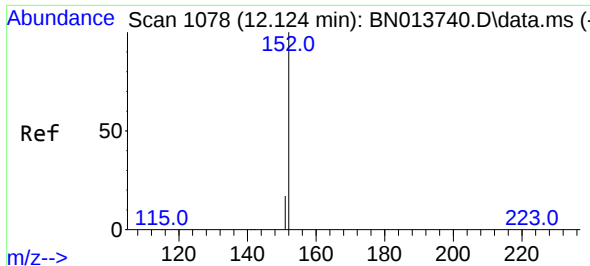
mohammad  
3/4/2021 11:33:04 AM



#10  
Hexachlorobutadiene  
Concen: 0.42 ng  
RT: 10.860 min Scan# 888  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4565 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.7  | 51.2  | 76.8 |





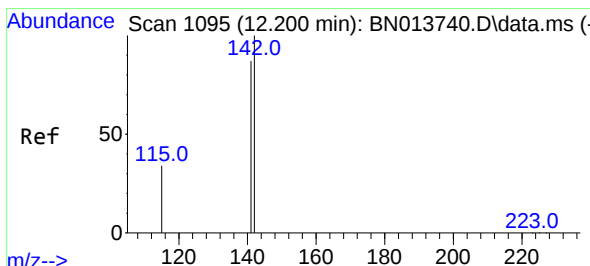
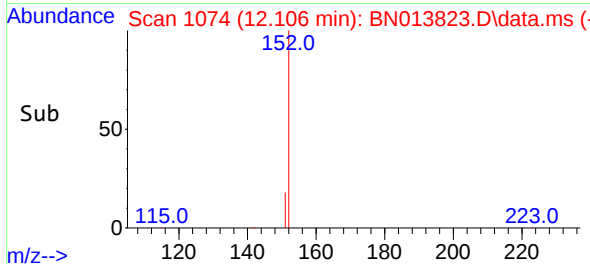
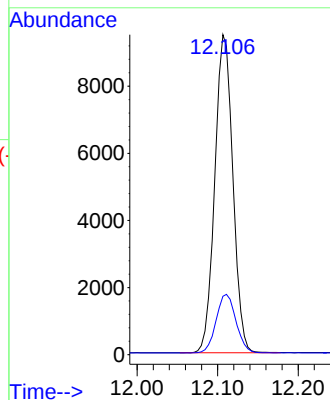
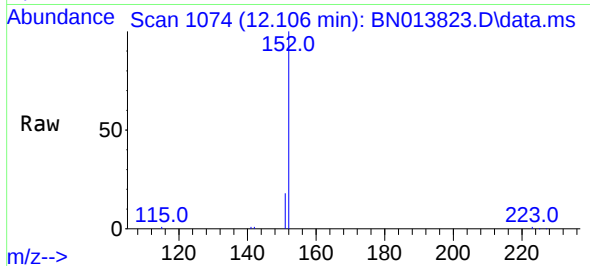
#11  
2-Methylnaphthalene-d10  
Concen: 0.39 ng  
RT: 12.106 min Scan# 1074  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion:152 Resp: 14762  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.2

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

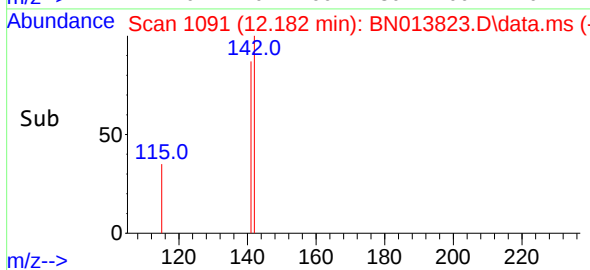
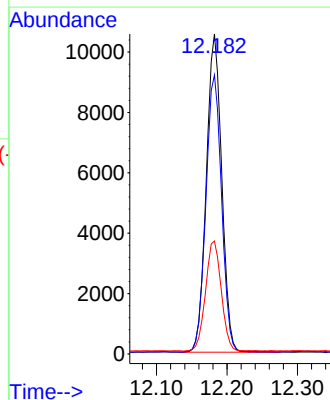
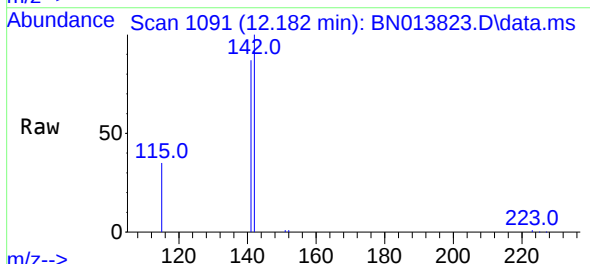
Manual Integrations  
APPROVED

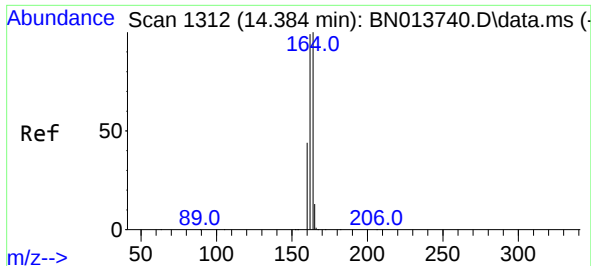
mohammad  
3/4/2021 11:33:04 AM



#12  
2-Methylnaphthalene  
Concen: 0.40 ng  
RT: 12.182 min Scan# 1091  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion:142 Resp: 15964  
Ion Ratio Lower Upper  
142 100  
141 87.2 70.5 105.7  
115 35.3 27.4 41.0





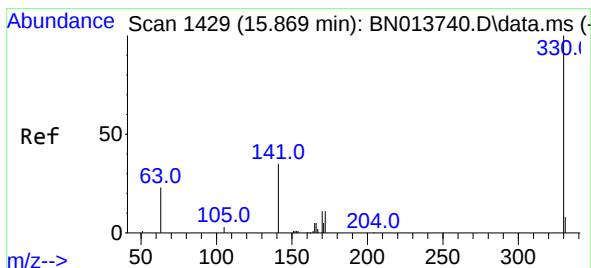
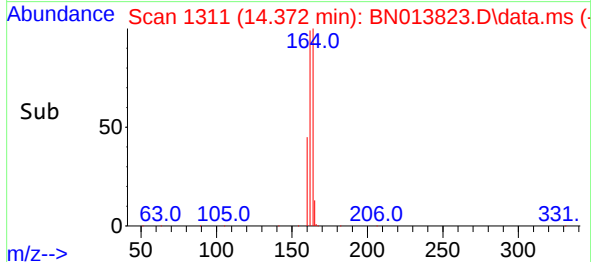
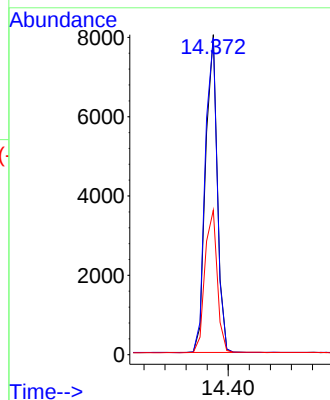
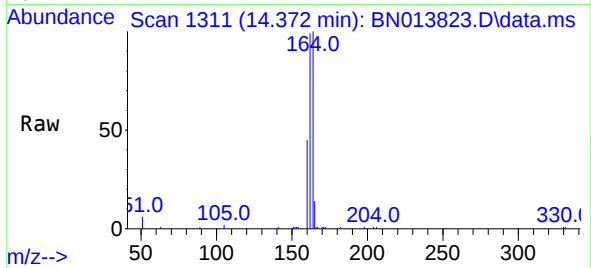
#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.372 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 12329 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 99.1  | 79.6  | 119.4 |
| 160       | 45.1  | 36.0  | 54.0  |

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

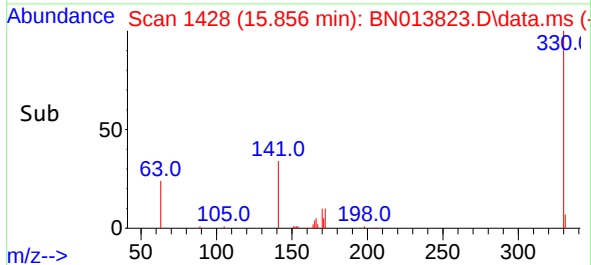
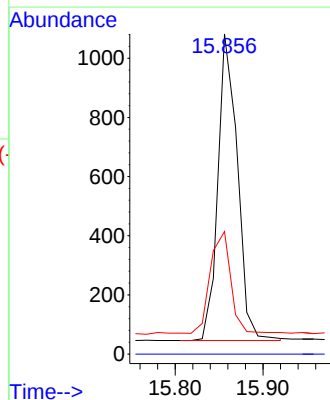
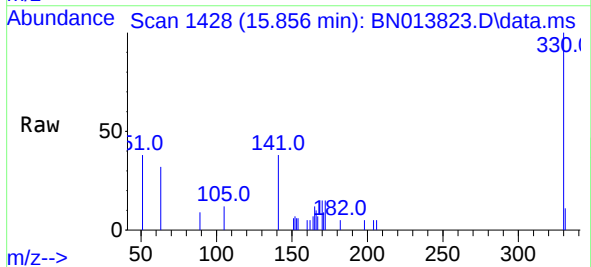
Manual Integrations  
APPROVED

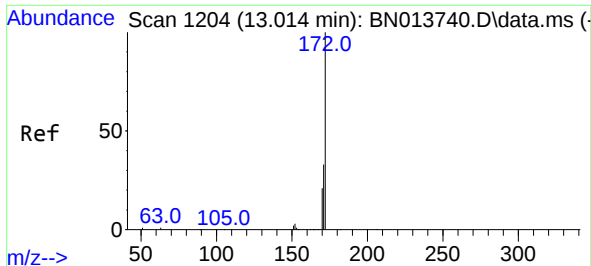
mohammad  
3/4/2021 11:33:04 AM



#14  
2,4,6-Tribromophenol  
Concen: 0.32 ng  
RT: 15.856 min Scan# 1428  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 330   | Resp: | 1599 |
| Ion Ratio | Lower | Upper |      |
| 330       | 100   |       |      |
| 332       | 0.0   | 0.0   | 0.0  |
| 141       | 34.5  | 26.8  | 40.2 |





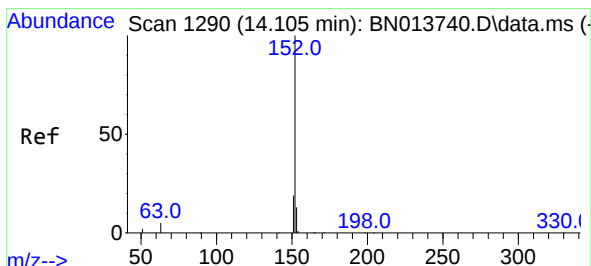
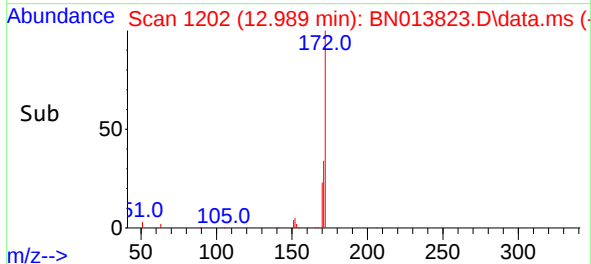
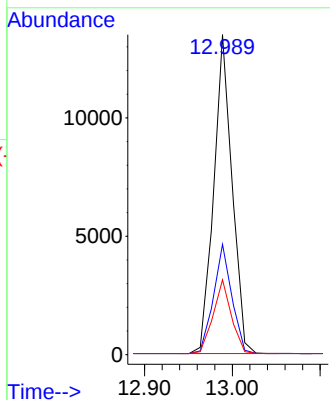
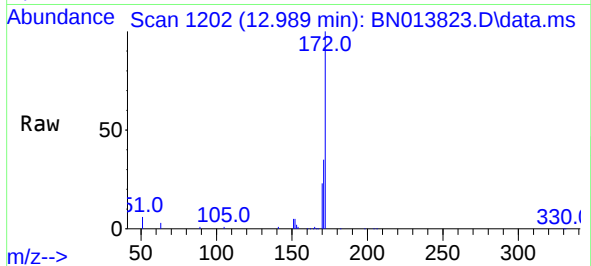
#15  
2-Fluorobiphenyl  
Concen: 0.45 ng  
RT: 12.989 min Scan# 1202  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 19562 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.5  | 28.6  | 42.8  |
| 170       | 23.4  | 18.9  | 28.3  |

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

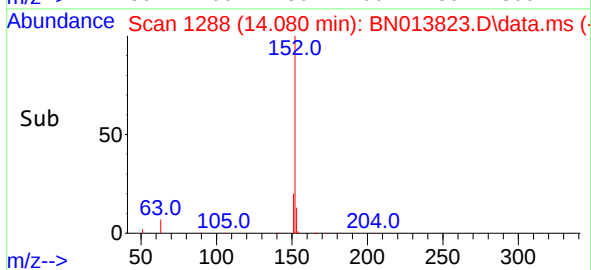
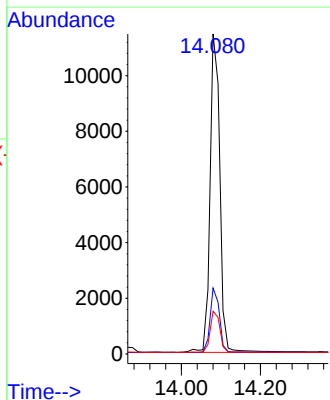
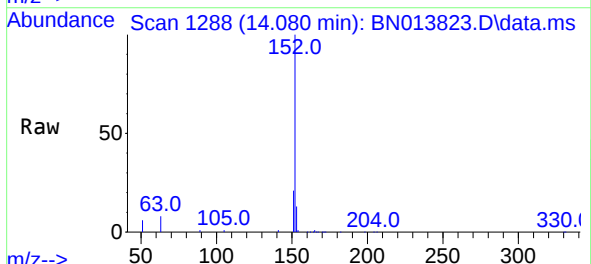
Manual Integrations  
APPROVED

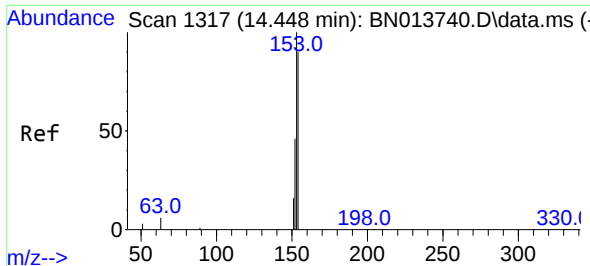
mohammad  
3/4/2021 11:33:04 AM



#16  
Acenaphthylene  
Concen: 0.36 ng  
RT: 14.080 min Scan# 1288  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

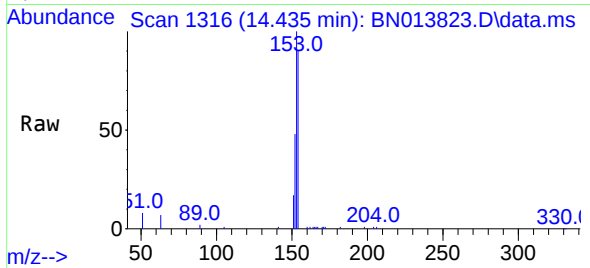
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 19604 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.4  | 15.7  | 23.5  |
| 153       | 12.9  | 10.5  | 15.7  |





#17  
Acenaphthene  
Concen: 0.41 ng  
RT: 14.435 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

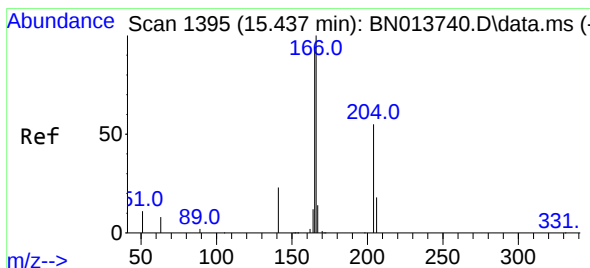
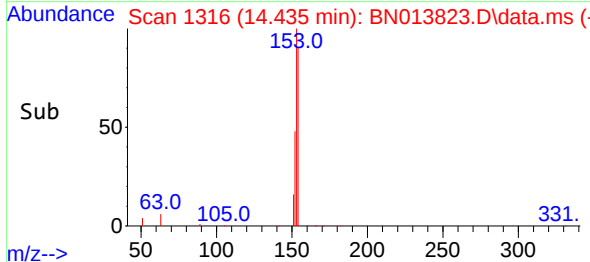
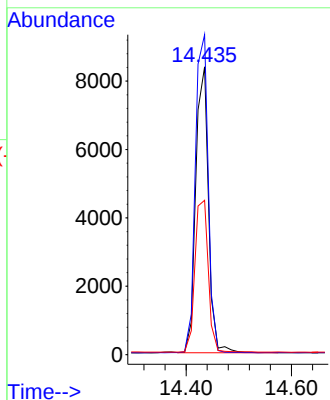
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



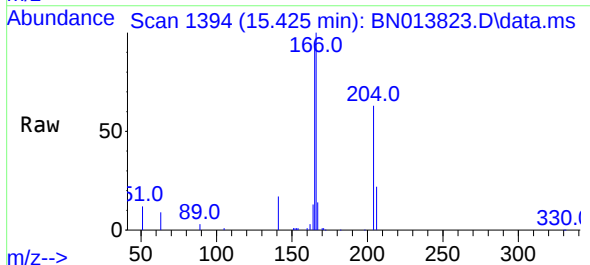
Tgt Ion:154 Resp: 14024  
Ion Ratio Lower Upper  
154 100  
153 112.5 88.4 132.6  
152 55.8 43.0 64.4

Manual Integrations  
APPROVED

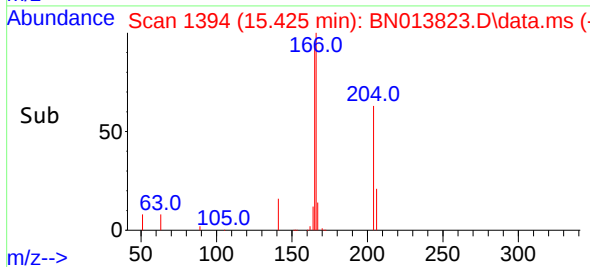
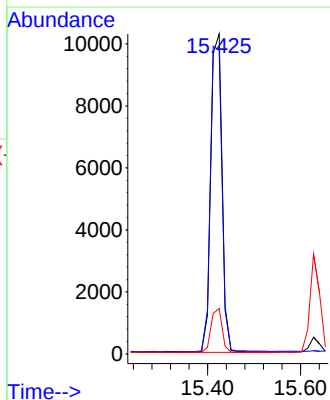
mohammad  
3/4/2021 11:33:04 AM

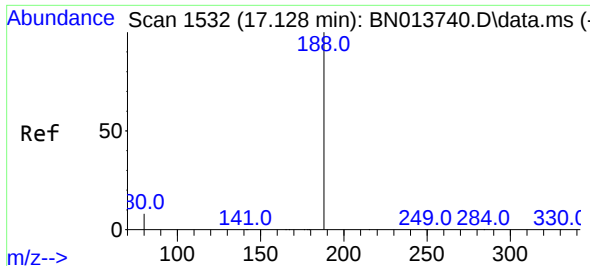


#18  
Fluorene  
Concen: 0.39 ng  
RT: 15.425 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



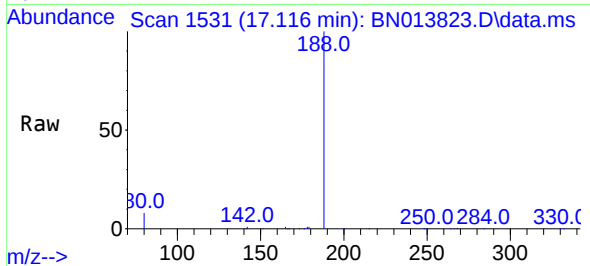
Tgt Ion:166 Resp: 17381  
Ion Ratio Lower Upper  
166 100  
165 98.4 77.8 116.8  
167 13.4 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.116 min Scan# 1531  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

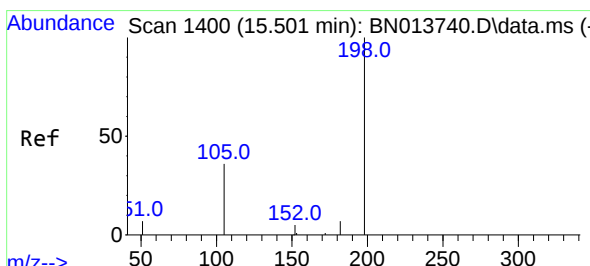
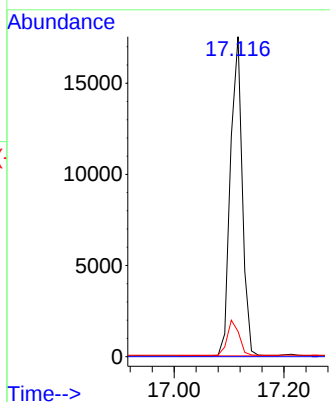
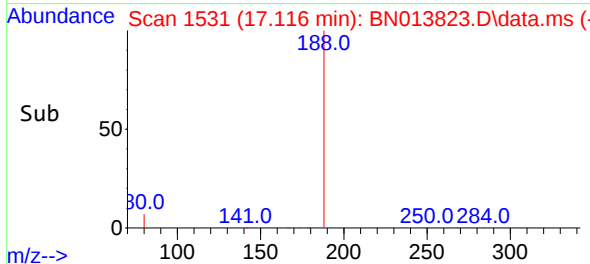
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



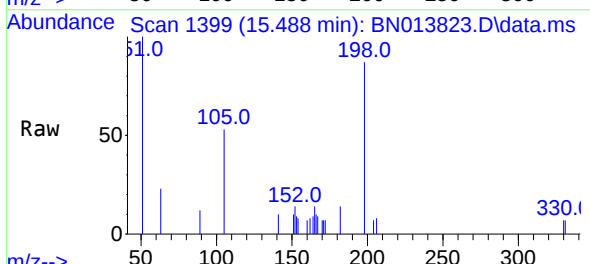
Tgt Ion:188 Resp: 26151  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 9.0 13.6#

Manual Integrations  
APPROVED

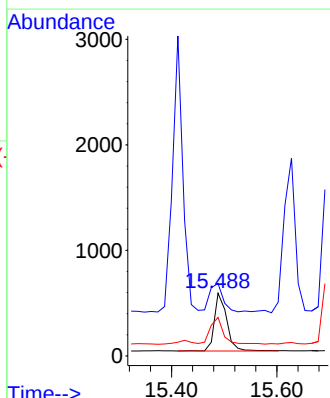
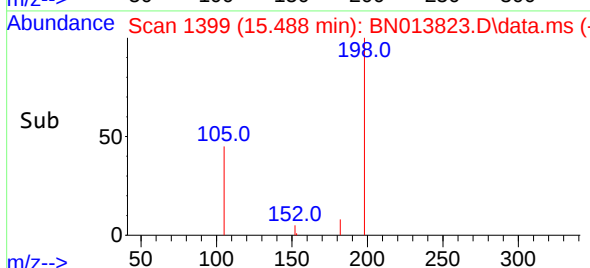
mohammad  
3/4/2021 11:33:04 AM

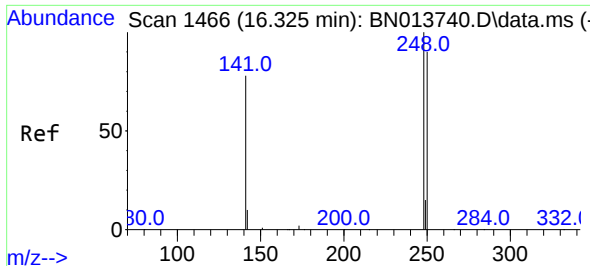


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.49 ng  
RT: 15.488 min Scan# 1399  
Delta R.T. -0.013 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



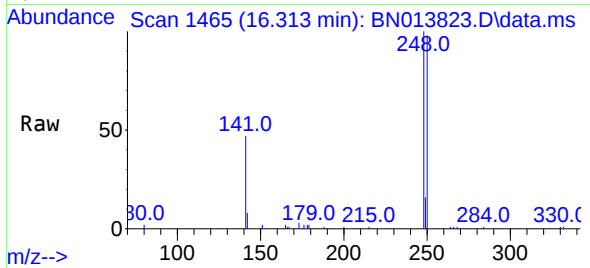
Tgt Ion:198 Resp: 896  
Ion Ratio Lower Upper  
198 100  
51 115.5 61.7 92.5#  
105 61.3 33.0 49.6#





#21  
4-Bromophenyl-phenylether  
Concen: 0.40 ng  
RT: 16.313 min Scan# 1465  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

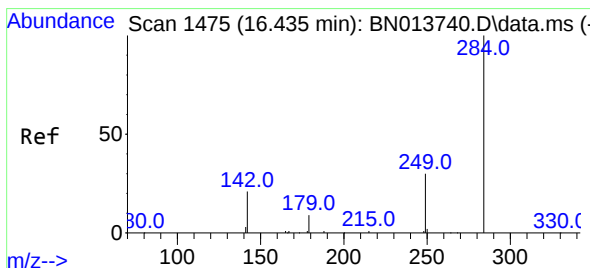
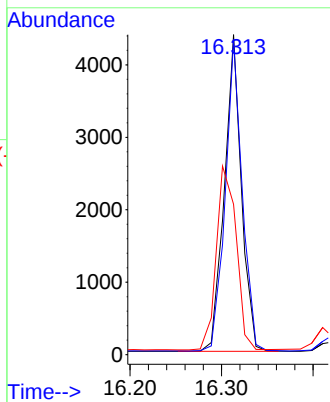
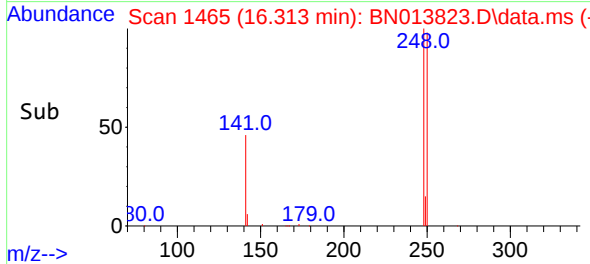
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



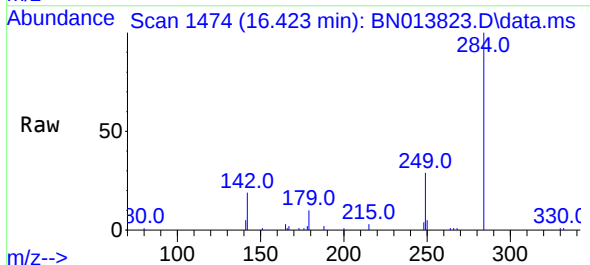
Tgt Ion:248 Resp: 5646  
Ion Ratio Lower Upper  
248 100  
250 98.4 75.5 113.3  
141 47.0 53.8 80.8#

Manual Integrations  
APPROVED

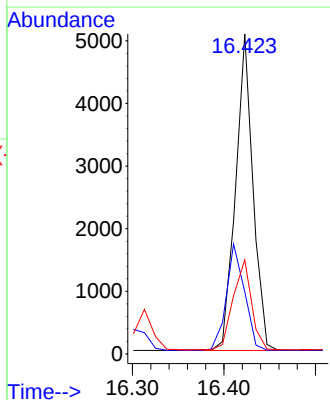
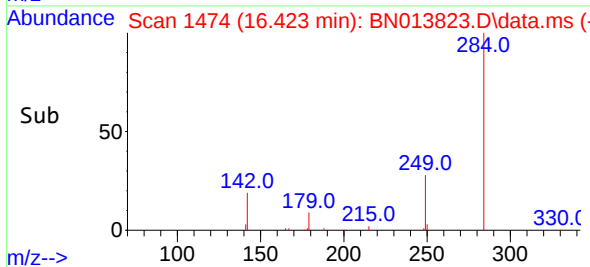
mohammad  
3/4/2021 11:33:04 AM

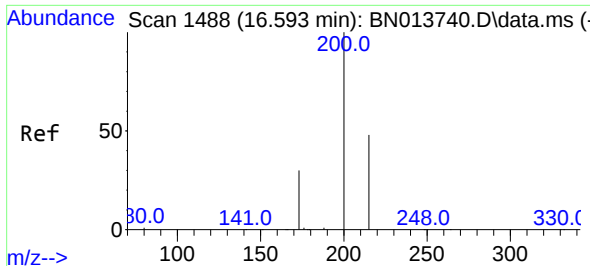


#22  
Hexachlorobenzene  
Concen: 0.45 ng  
RT: 16.423 min Scan# 1474  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



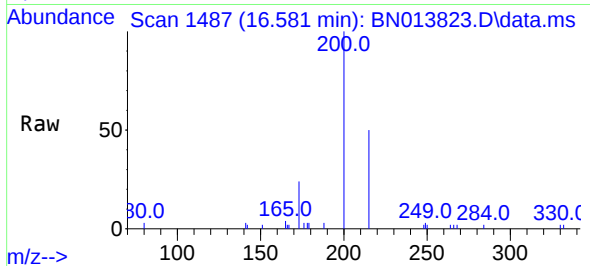
Tgt Ion:284 Resp: 6657  
Ion Ratio Lower Upper  
284 100  
142 34.8 27.9 41.9  
249 30.0 24.2 36.2





#23  
Atrazine  
Concen: 0.27 ng  
RT: 16.581 min Scan# 1487  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

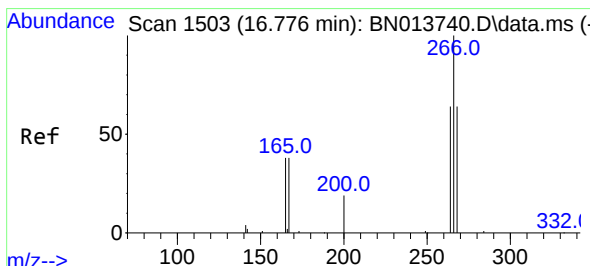
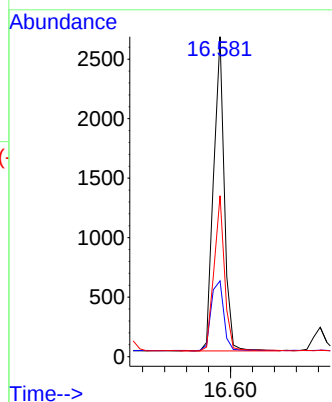
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



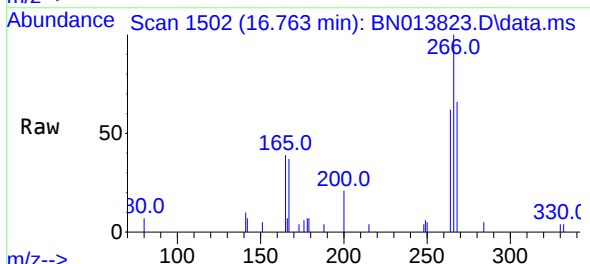
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 200   | Resp: | 3575  |
| Ion      | Ratio | Lower | Upper |
| 200      | 100   |       |       |
| 173      | 23.7  | 18.6  | 28.0  |
| 215      | 50.3  | 41.0  | 61.6  |

Manual Integrations  
APPROVED

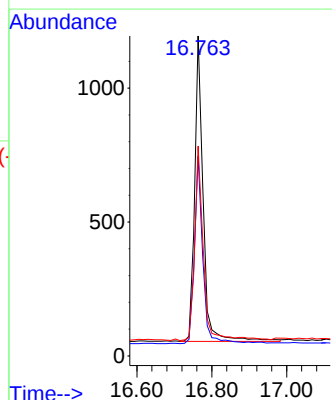
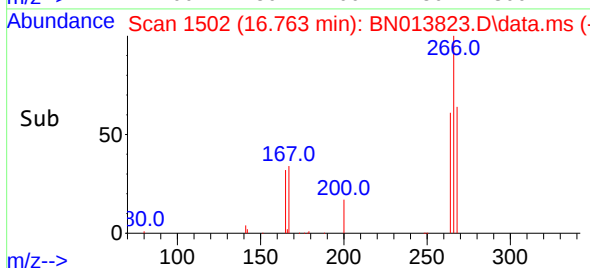
mohammad  
3/4/2021 11:33:04 AM

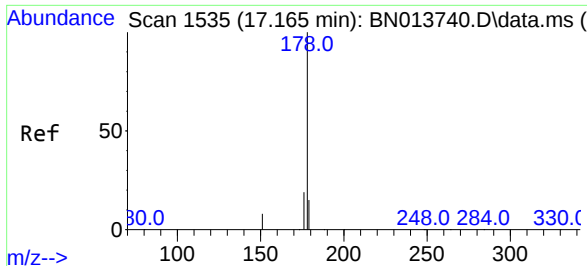


#24  
Pentachlorophenol  
Concen: 0.37 ng  
RT: 16.763 min Scan# 1502  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 1803  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 59.7  | 51.6  | 77.4  |
| 268      | 65.2  | 54.6  | 82.0  |





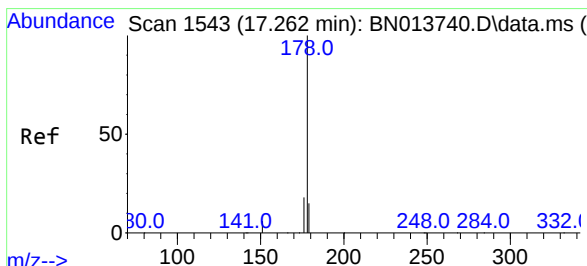
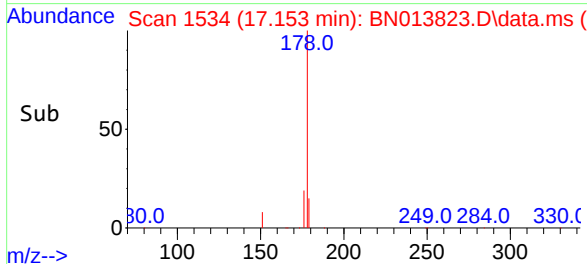
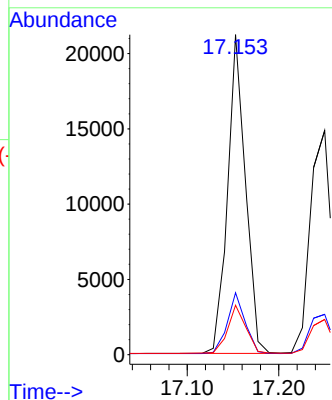
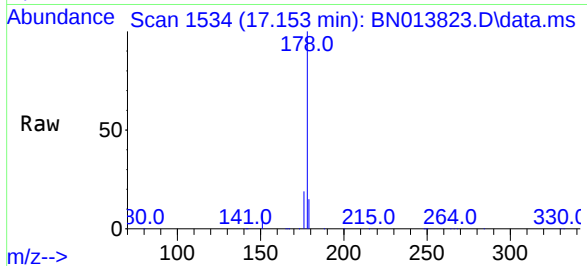
#25  
Phenanthrene  
Concen: 0.42 ng  
RT: 17.153 min Scan# 1534  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion:178 Resp: 28734  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.4  
179 15.5 12.3 18.5

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

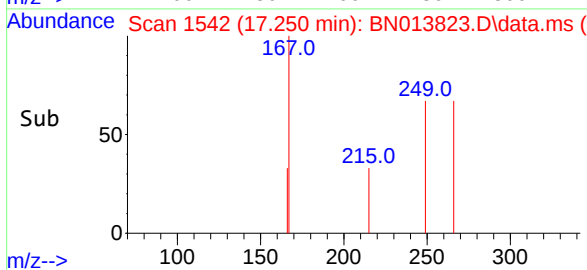
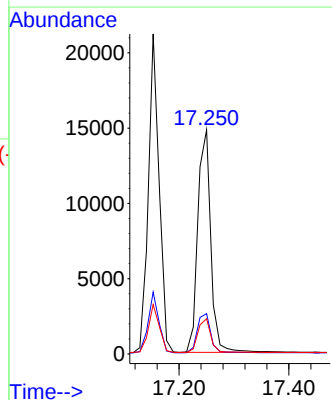
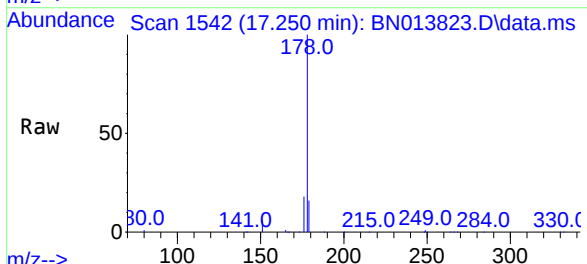
Manual Integrations  
APPROVED

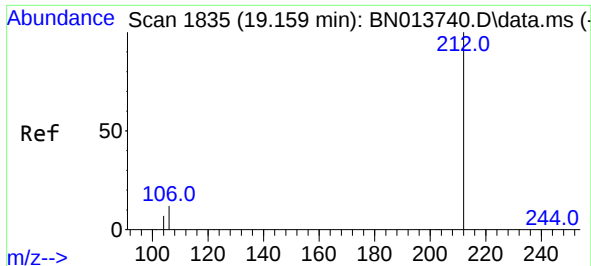
mohammad  
3/4/2021 11:33:04 AM



#26  
Anthracene  
Concen: 0.37 ng  
RT: 17.250 min Scan# 1542  
Delta R.T. 0.001 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

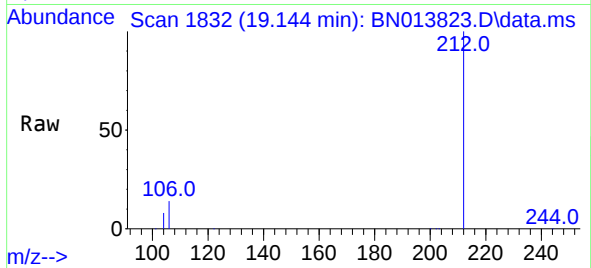
Tgt Ion:178 Resp: 24311  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.6 21.8  
179 15.1 12.2 18.2





#27  
Fluoranthene-d10  
Concen: 0.38 ng  
RT: 19.144 min Scan# 1832  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

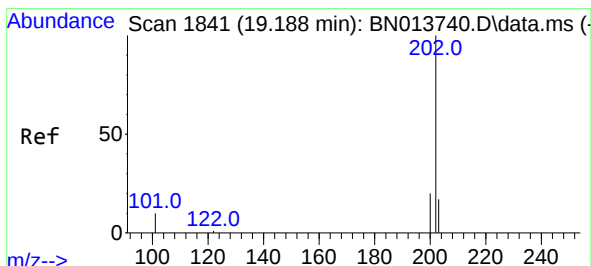
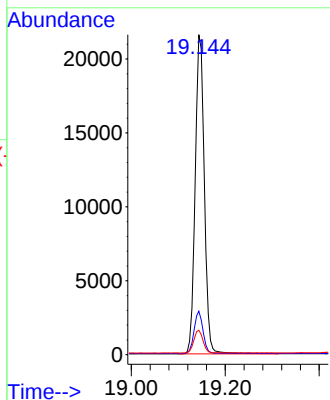
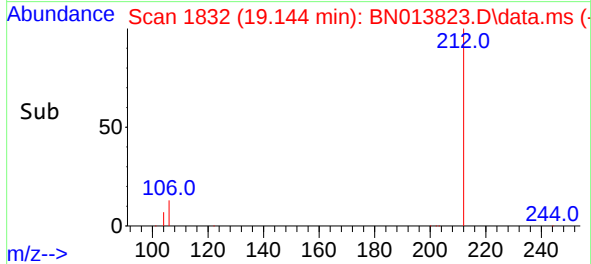
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC



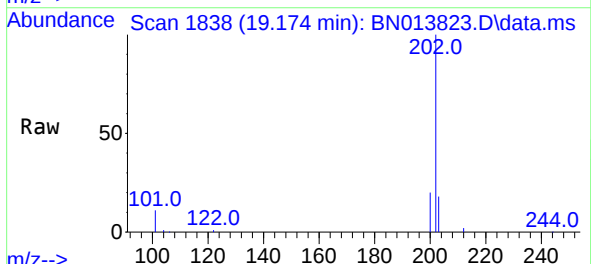
Tgt Ion:212 Resp: 29137  
Ion Ratio Lower Upper  
212 100  
106 12.9 9.7 14.5  
104 7.2 5.5 8.3

Manual Integrations  
APPROVED

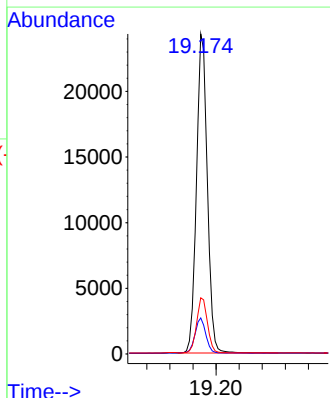
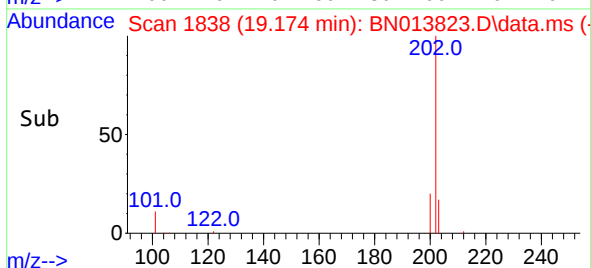
mohammad  
3/4/2021 11:33:04 AM

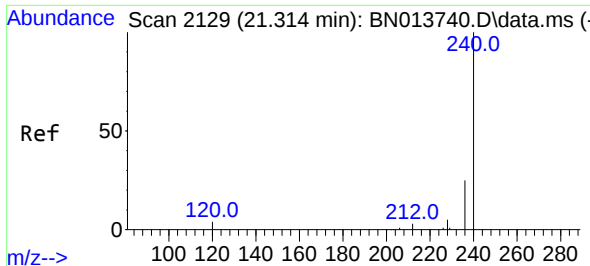


#28  
Fluoranthene  
Concen: 0.39 ng  
RT: 19.174 min Scan# 1838  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



Tgt Ion:202 Resp: 31867  
Ion Ratio Lower Upper  
202 100  
101 11.1 8.1 12.1  
203 17.3 13.9 20.9





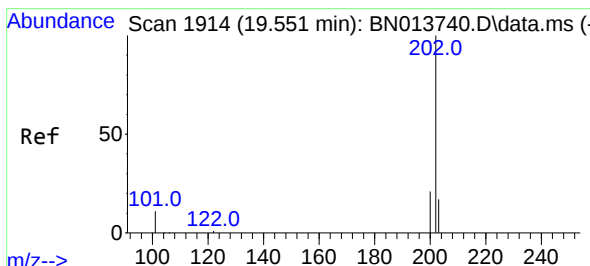
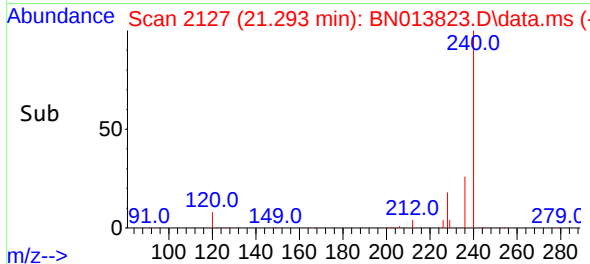
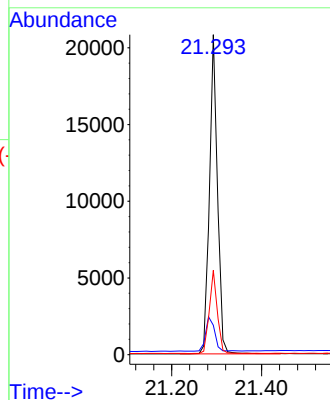
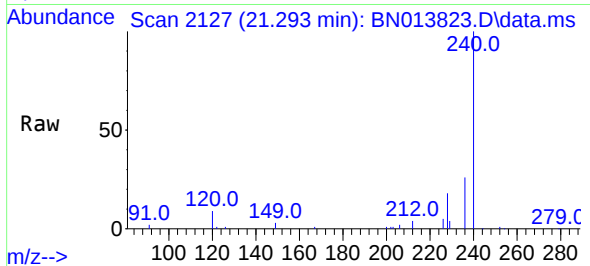
#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.293 min Scan# 2127  
Delta R.T. -0.008 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion:240 Resp: 25653  
Ion Ratio Lower Upper  
240 100  
120 9.2 10.2 15.4#  
236 26.4 21.3 31.9

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

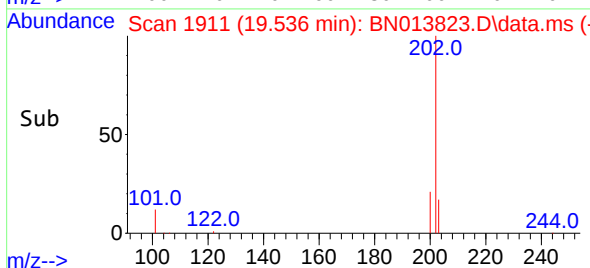
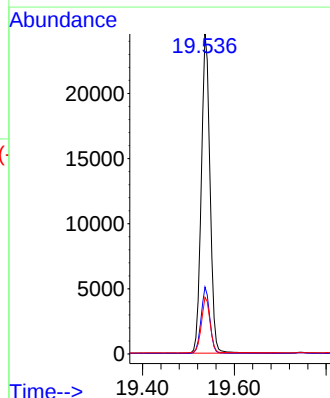
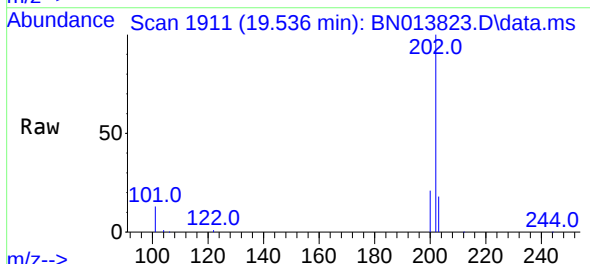
Manual Integrations  
APPROVED

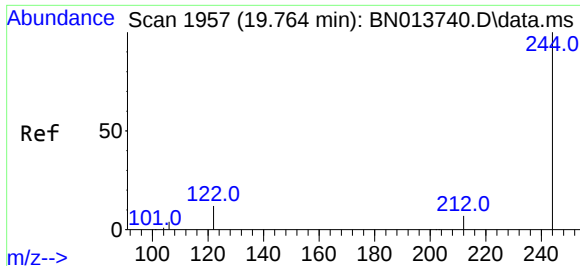
mohammad  
3/4/2021 11:33:04 AM



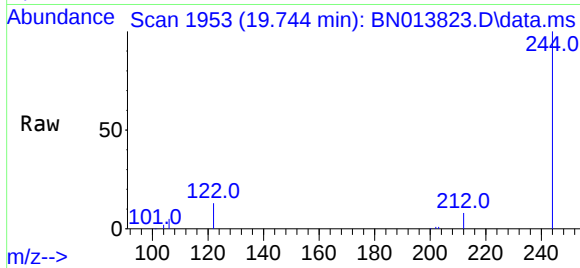
#30  
Pyrene  
Concen: 0.41 ng  
RT: 19.536 min Scan# 1911  
Delta R.T. -0.012 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

Tgt Ion:202 Resp: 32351  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.3 24.5  
203 17.5 14.0 21.0

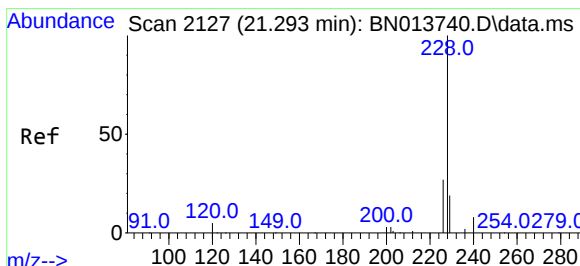
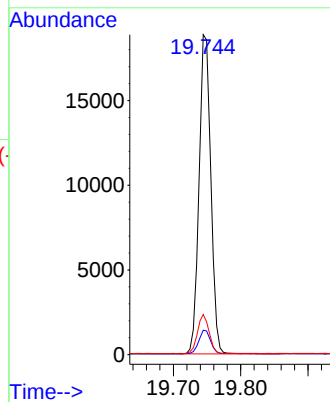
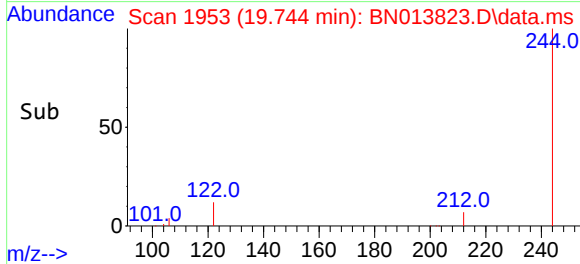




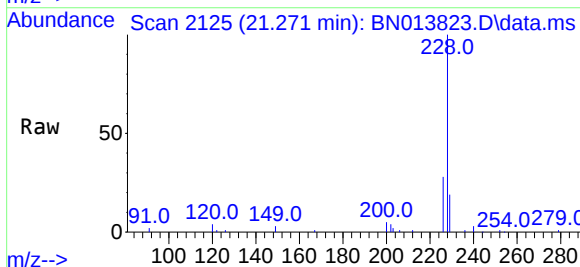
#31  
Terphenyl-d14  
Concen: 0.41 ng  
RT: 19.744 min Scan# 1953  
Delta R.T. -0.017 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



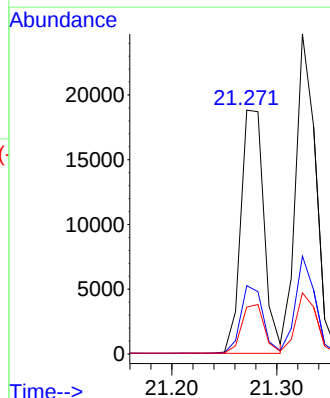
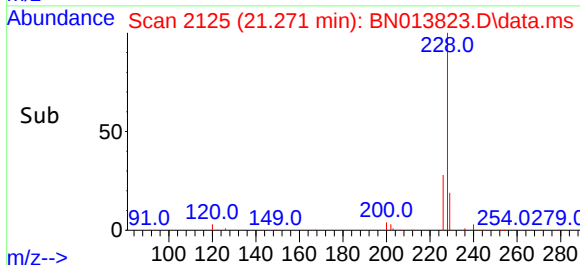
Tgt Ion:244 Resp: 22953  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.1 9.1  
122 12.6 9.8 14.8



#32  
Benzo(a)anthracene  
Concen: 0.36 ng  
RT: 21.271 min Scan# 2125  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



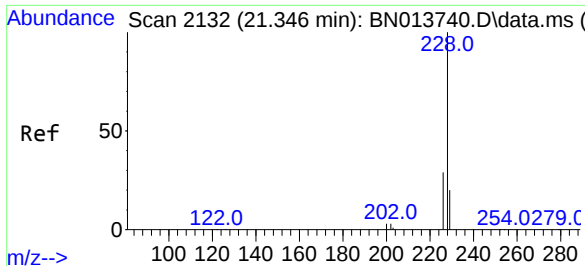
Tgt Ion:228 Resp: 28782  
Ion Ratio Lower Upper  
228 100  
226 28.0 20.5 30.7  
229 19.2 16.2 24.4



Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

mohammad  
3/4/2021 11:33:04 AM



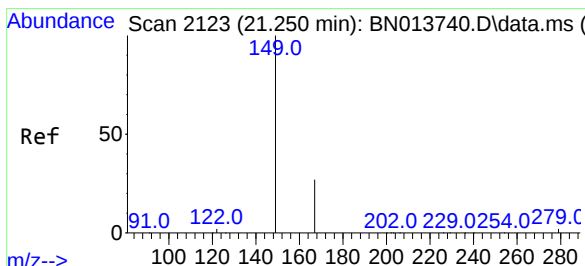
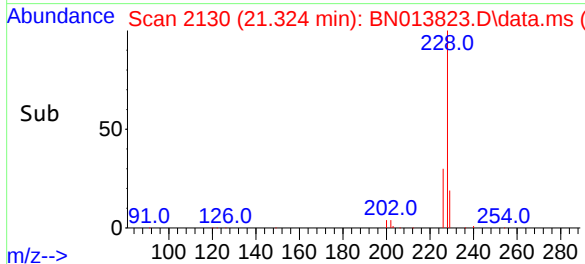
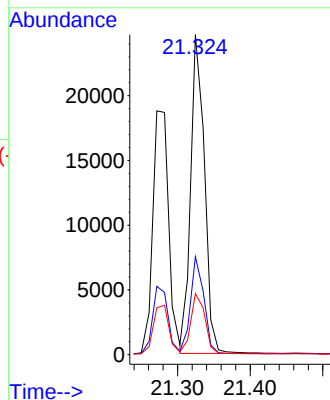
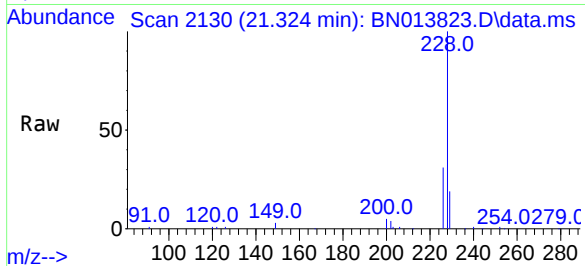
#33  
Chrysene  
Concen: 0.42 ng  
RT: 21.324 min Scan# 2130  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 32505 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.6  | 24.3  | 36.5  |
| 229       | 19.1  | 15.1  | 22.7  |

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

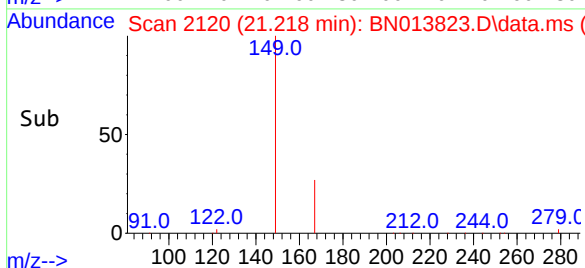
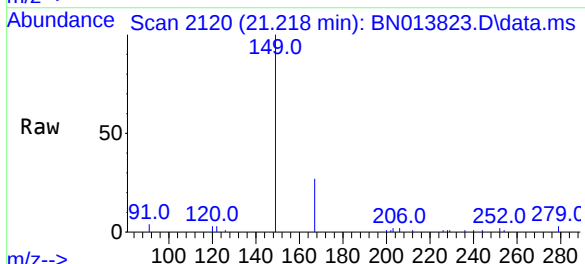
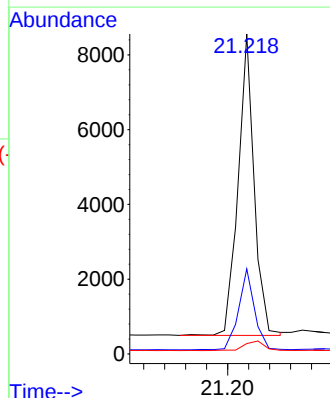
Manual Integrations  
APPROVED

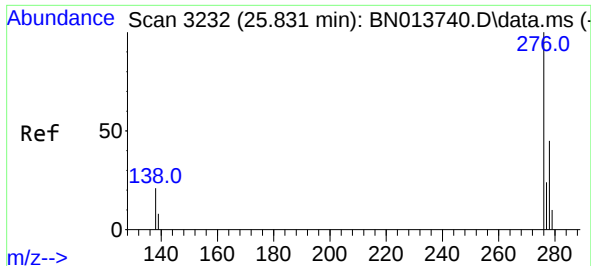
mohammad  
3/4/2021 11:33:04 AM



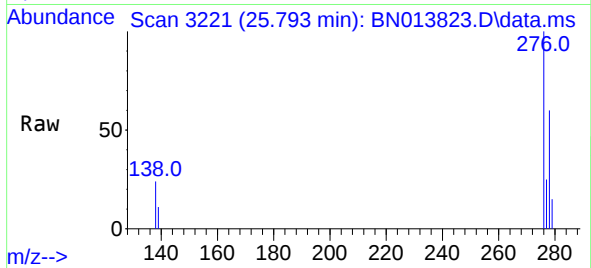
#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.23 ng  
RT: 21.218 min Scan# 2120  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 8529 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 26.5  | 22.1  | 33.1 |
| 279       | 4.0   | 3.5   | 5.3  |

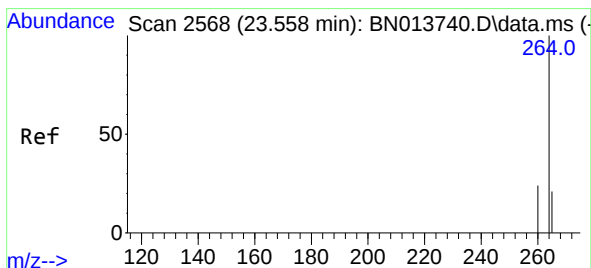
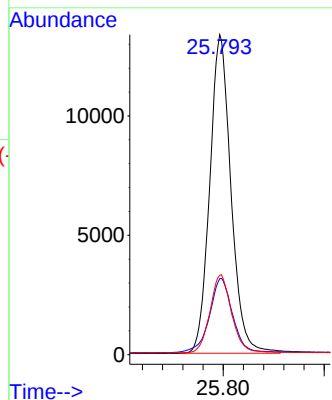
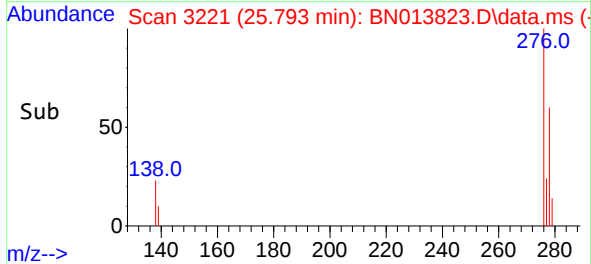




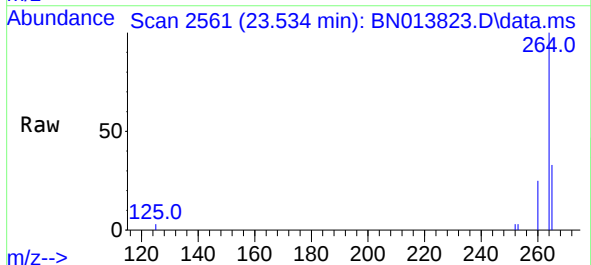
#35  
Indeno(1,2,3-cd)pyrene  
Concen: 0.42 ng  
RT: 25.793 min Scan# 3221  
Delta R.T. -0.025 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



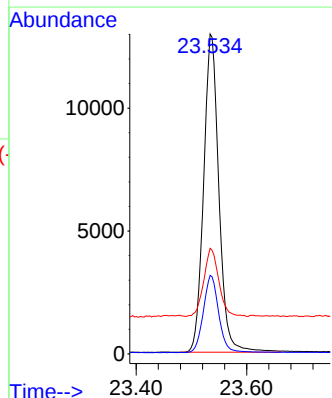
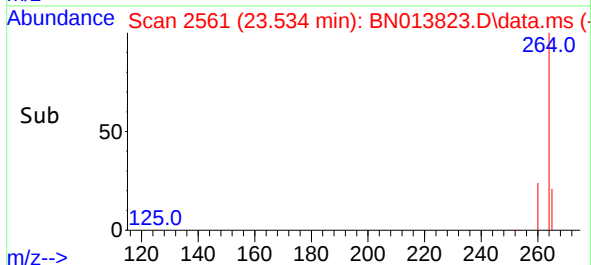
Tgt Ion: 276 Resp: 38942  
Ion Ratio Lower Upper  
276 100  
138 24.2 19.8 29.6  
277 24.8 19.9 29.9



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.534 min Scan# 2561  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



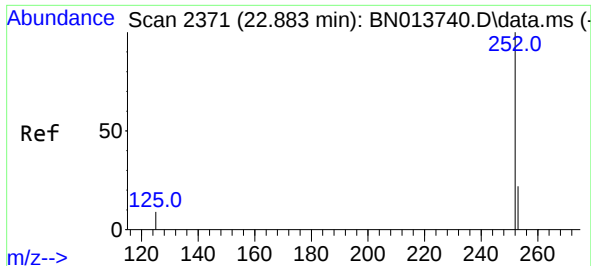
Tgt Ion: 264 Resp: 24889  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.3 28.9  
265 33.0 66.2 99.4#



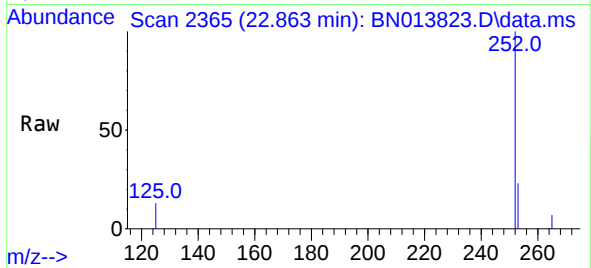
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

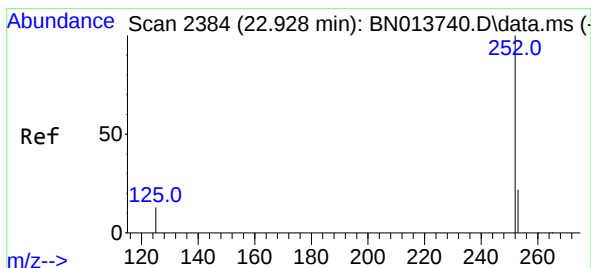
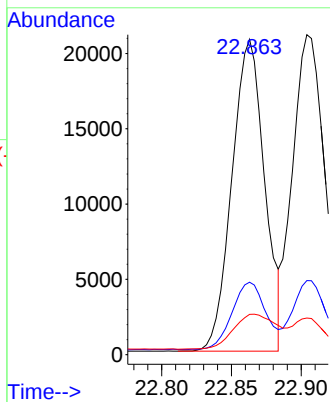
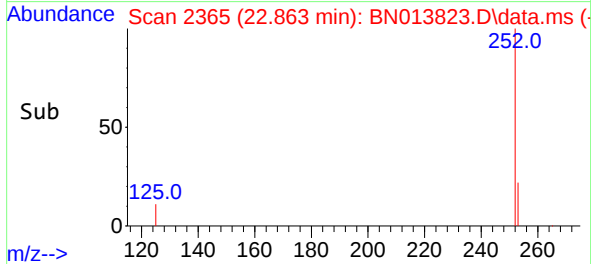
mohammad  
3/4/2021 11:33:04 AM



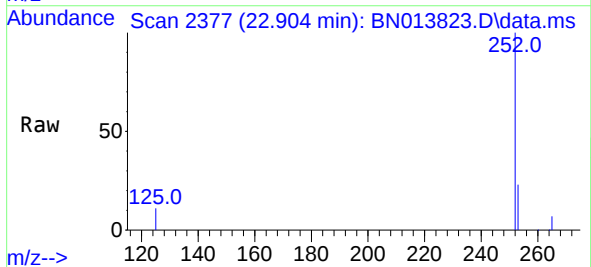
#37  
Benzo(b)fluoranthene  
Concen: 0.42 ng  
RT: 22.863 min Scan# 2365  
Delta R.T. -0.014 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



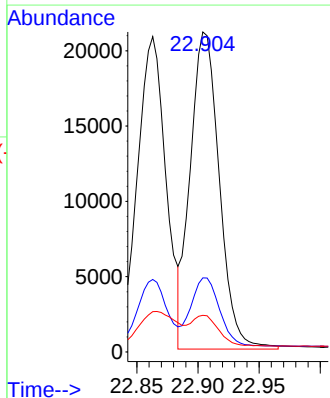
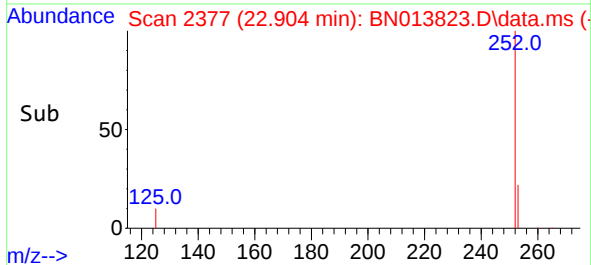
Tgt Ion:252 Resp: 33739  
Ion Ratio Lower Upper  
252 100  
253 23.0 20.4 30.6  
125 12.8 11.6 17.4



#38  
Benzo(k)fluoranthene  
Concen: 0.45 ng m  
RT: 22.904 min Scan# 2377  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06



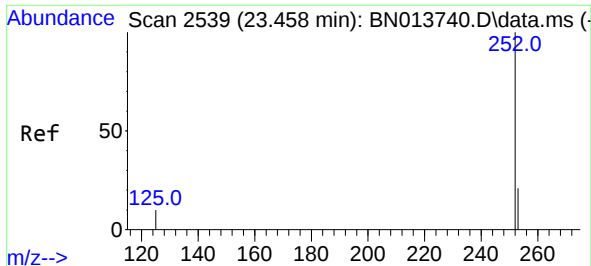
Tgt Ion:252 Resp: 34840  
Ion Ratio Lower Upper  
252 100  
253 23.2 20.5 30.7  
125 11.4 12.3 18.5#



Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

mohammad  
3/4/2021 11:33:04 AM



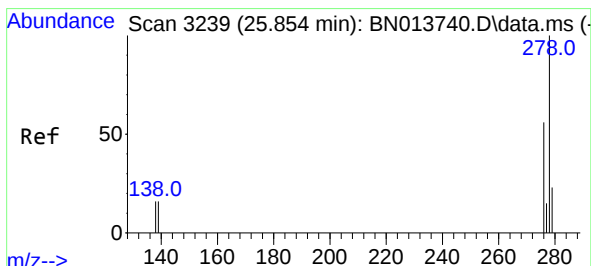
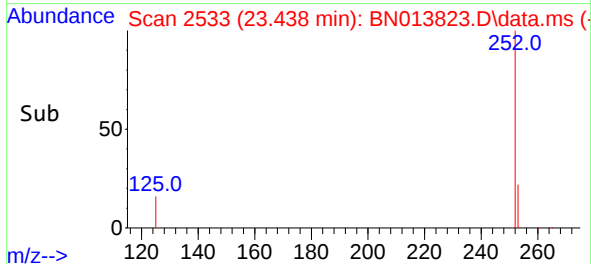
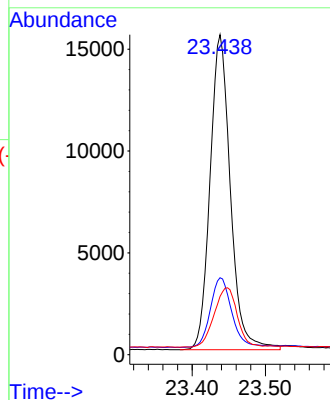
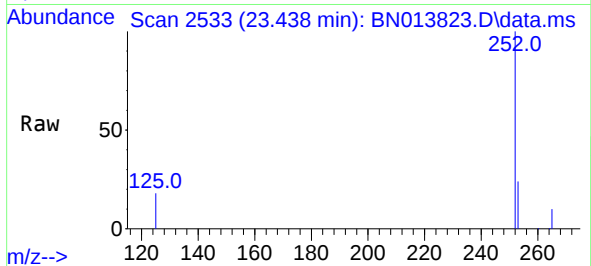
#39  
Benzo(a)pyrene  
Concen: 0.42 ng  
RT: 23.438 min Scan# 2533  
Delta R.T. -0.018 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 29867 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.1  | 21.8  | 32.6  |
| 125       | 18.2  | 14.6  | 21.8  |

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

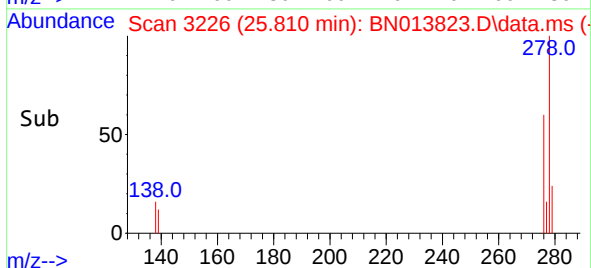
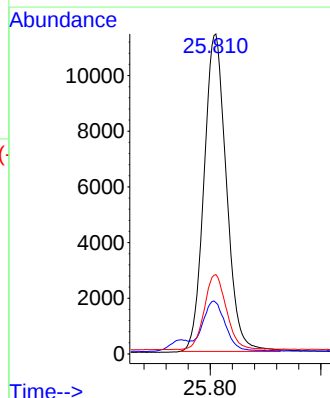
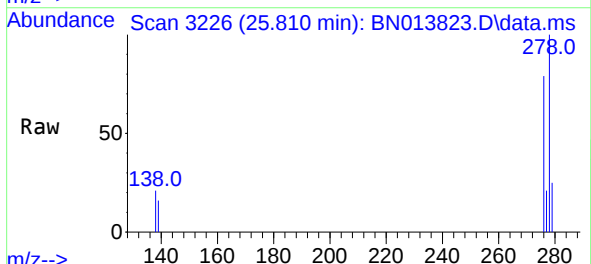
Manual Integrations  
APPROVED

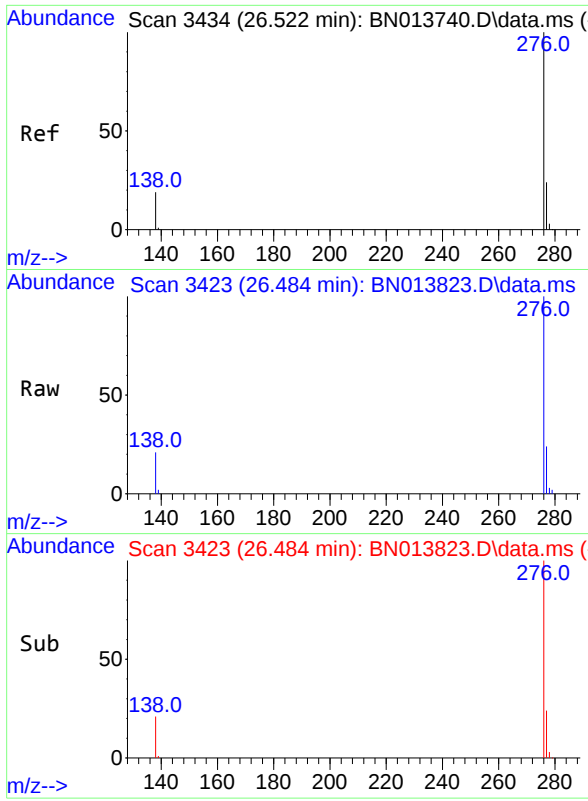
mohammad  
3/4/2021 11:33:04 AM



#40  
Dibenzo(a,h)anthracene  
Concen: 0.42 ng  
RT: 25.810 min Scan# 3226  
Delta R.T. -0.028 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

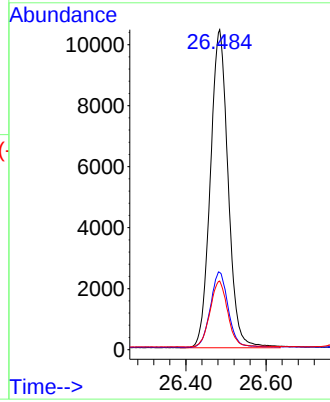
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 32048 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 16.1  | 13.1  | 19.7  |
| 279       | 24.8  | 21.4  | 32.0  |





#41  
Benzo(g,h,i)perylene  
Concen: 0.42 ng  
RT: 26.484 min Scan# 3423  
Delta R.T. -0.025 min  
Lab File: BN013823.D  
Acq: 03 Mar 2021 17:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 32087 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 24.1  | 20.0  | 30.0  |
| 138      | 21.5  | 17.8  | 26.8  |



Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

Manual Integrations  
APPROVED

mohammad  
3/4/2021 11:33:04 AM