

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100721\  
 Data File : BN016840.D  
 Acq On : 08 Oct 2021 12:21  
 Operator : CG/JU  
 Sample : M4045-08MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
 APPROVED

mohammad  
 10/11/2021 2:10:02 PM

Quant Time: Oct 08 14:59:03 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 08 01:39:08 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.614  | 152  | 20740    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.381 | 136  | 95025    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.243 | 164  | 50105    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.005 | 188  | 96146    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.206 | 240  | 99689    | 0.40 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.450 | 264  | 108570   | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.263  | 112  | 14781    | 0.29 | ng    | 0.04     |
| 5) Phenol-d6                  | 6.812  | 99   | 16335    | 0.28 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 8.759  | 82   | 17462    | 0.26 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.976 | 152  | 46688    | 0.33 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.753 | 330  | 6571     | 0.25 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.873 | 172  | 51254    | 0.25 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.043 | 212  | 81112    | 0.30 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.653 | 244  | 64122    | 0.29 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.244  | 88   | 4988m    | 0.54 | ng    |          |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 6260     | 0.38 | ng    | # 92     |
| 6) bis(2-Chloroethyl)ether    | 7.052  | 93   | 22171    | 0.39 | ng    | 99       |
| 9) Naphthalene                | 10.432 | 128  | 98027    | 0.38 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.723 | 225  | 17180    | 0.35 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.051 | 142  | 66618    | 0.40 | ng    | 100      |
| 16) Acenaphthylene            | 13.964 | 152  | 83030    | 0.38 | ng    | 99       |
| 17) Acenaphthene              | 14.306 | 154  | 53240    | 0.36 | ng    | 99       |
| 18) Fluorene                  | 15.296 | 166  | 65899    | 0.37 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.385 | 198  | 1896     | 0.28 | ng    | # 73     |
| 21) 4-Bromophenyl-phenylether | 16.202 | 248  | 21998    | 0.37 | ng    | 93       |
| 22) Hexachlorobenzene         | 16.311 | 284  | 23715    | 0.35 | ng    | 99       |
| 23) Atrazine                  | 16.482 | 200  | 17628    | 0.37 | ng    | 99       |
| 24) Pentachlorophenol         | 16.652 | 266  | 2732     | 0.19 | ng    | 99       |
| 25) Phenanthrene              | 17.042 | 178  | 157141   | 0.55 | ng    | 100      |
| 26) Anthracene                | 17.127 | 178  | 102262   | 0.40 | ng    | 100      |
| 28) Fluoranthene              | 19.072 | 202  | 240097   | 0.75 | ng    | 100      |
| 30) Pyrene                    | 19.435 | 202  | 222655   | 0.73 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.195 | 228  | 175042   | 0.57 | ng    | 98       |
| 33) Chrysene                  | 21.248 | 228  | 171757   | 0.55 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.142 | 149  | 119249   | 0.76 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.716 | 276  | 195360   | 0.48 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.776 | 252  | 199734   | 0.58 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 22.820 | 252  | 153929   | 0.46 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.351 | 252  | 170948   | 0.54 | ng    | 100      |
| 40) Dibenzo(a,h)anthracene    | 25.736 | 278  | 137858   | 0.41 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.404 | 276  | 174317   | 0.49 | ng    | 100      |
| -----                         |        |      |          |      |       |          |

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

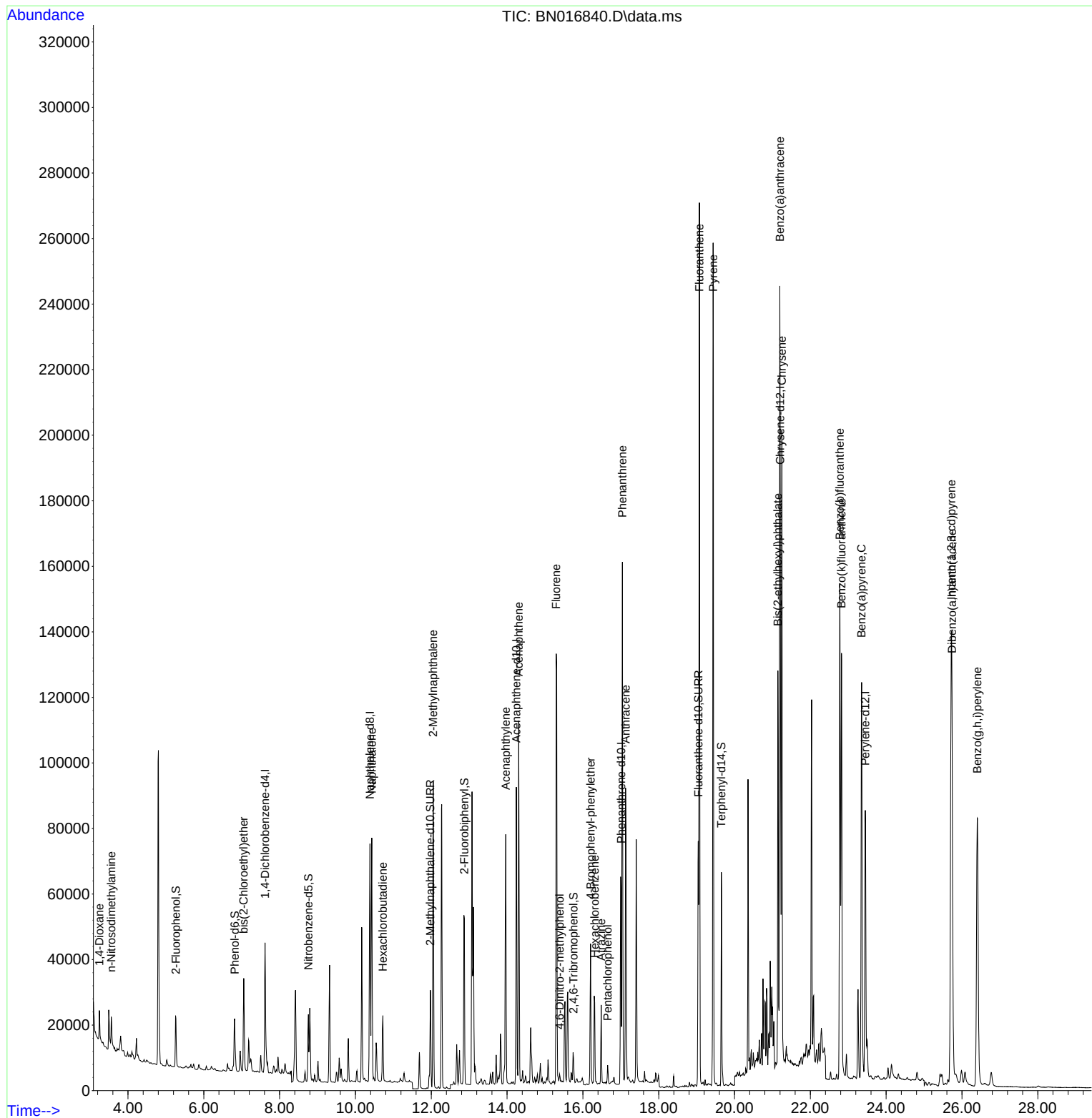
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100721\  
 Data File : BN016840.D  
 Acq On : 08 Oct 2021 12:21  
 Operator : CG/JU  
 Sample : M4045-08MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

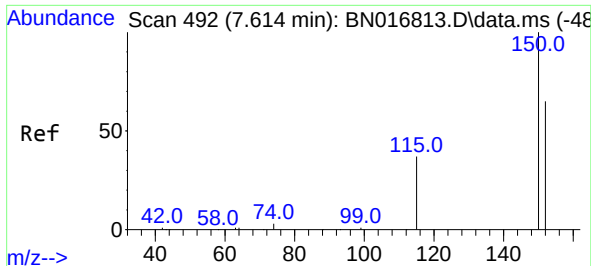
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
 APPROVED

mohammad  
 10/11/2021 2:10:02 PM

Quant Time: Oct 08 14:59:03 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 08 01:39:08 2021  
 Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.614 min Scan# 492  
 Delta R.T. 0.000 min  
 Lab File: BN016840.D  
 Acq: 08 Oct 2021 12:21

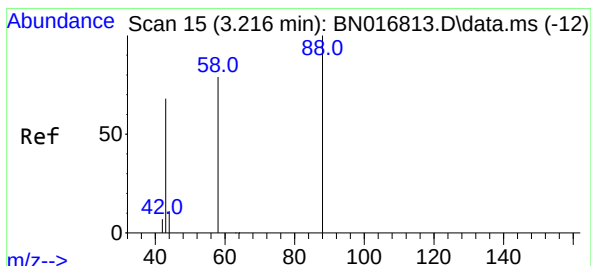
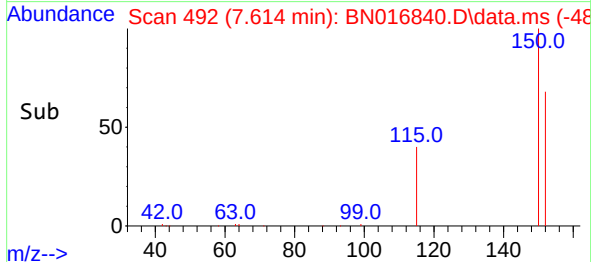
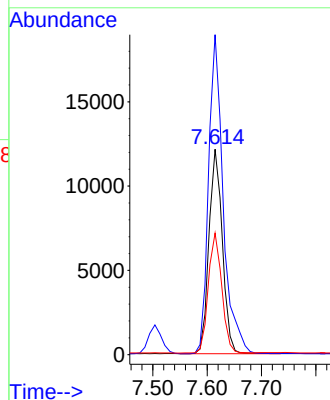
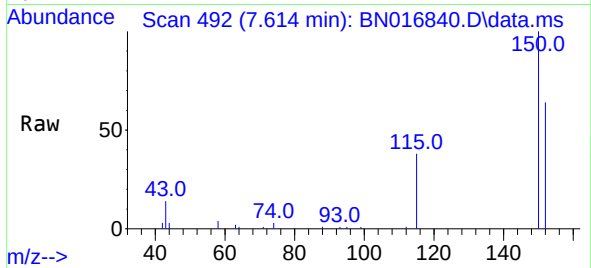
Tgt Ion: 152 Resp: 20740

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 155.8 | 123.3 | 184.9 |
| 115 | 59.2  | 47.0  | 70.6  |

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
 APPROVED

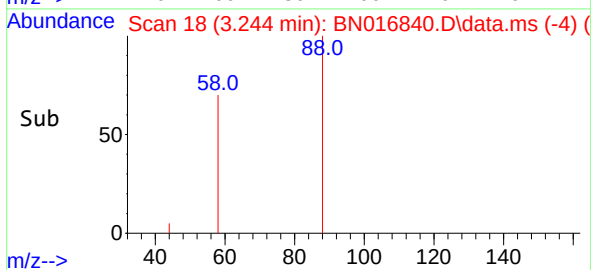
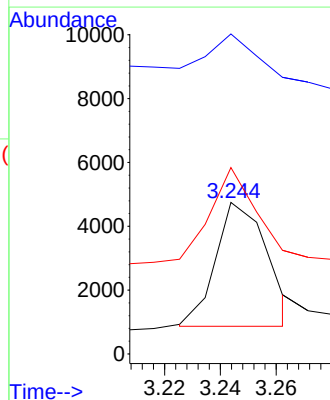
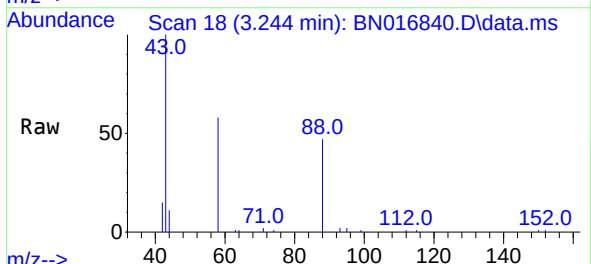
mohammad  
 10/11/2021 2:10:02 PM

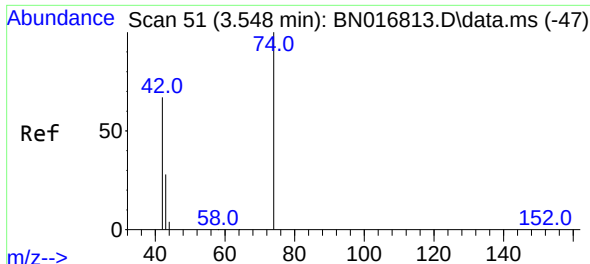


#2  
 1,4-Dioxane  
 Concen: 0.54 ng m  
 RT: 3.244 min Scan# 18  
 Delta R.T. 0.028 min  
 Lab File: BN016840.D  
 Acq: 08 Oct 2021 12:21

Tgt Ion: 88 Resp: 4988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 0.0   | 61.7  | 92.5# |
| 58  | 0.0   | 62.2  | 93.2# |





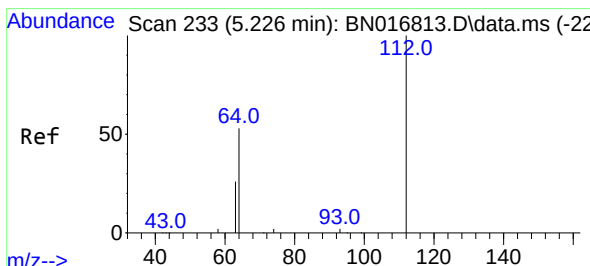
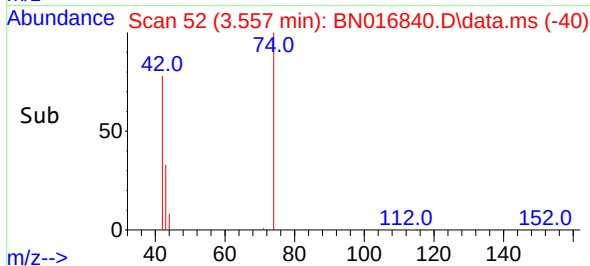
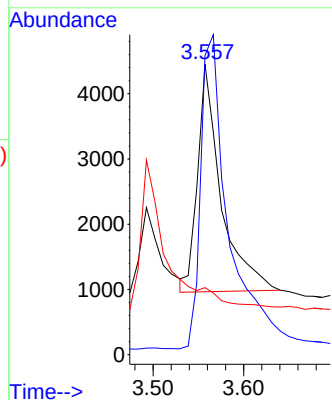
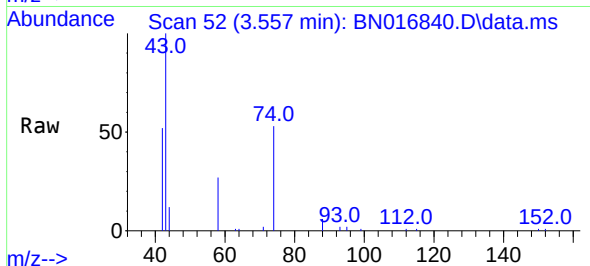
#3  
n-Nitrosodimethylamine  
Concen: 0.38 ng  
RT: 3.557 min Scan# 52  
Delta R.T. 0.009 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion: 42 Resp: 6260  
Ion Ratio Lower Upper  
42 100  
74 164.1 124.0 186.0  
44 0.0 5.6 8.4#

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

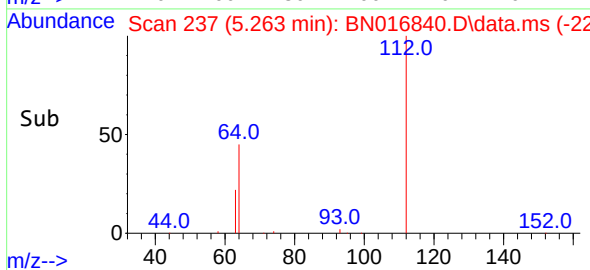
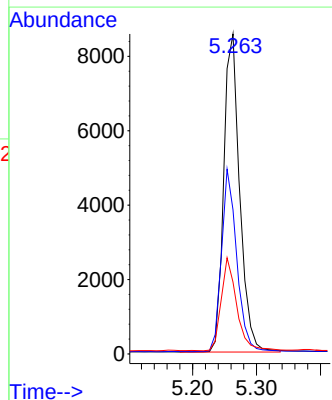
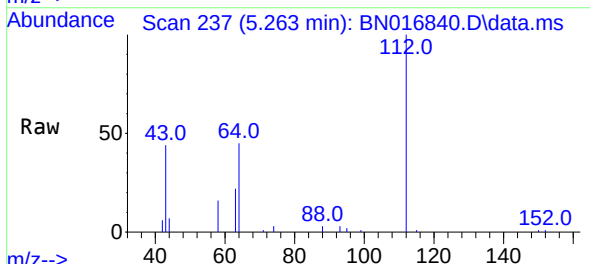
Manual Integrations  
APPROVED

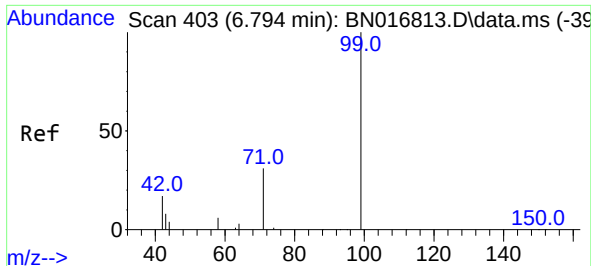
mohammad  
10/11/2021 2:10:02 PM



#4  
2-Fluorophenol  
Concen: 0.29 ng  
RT: 5.263 min Scan# 237  
Delta R.T. 0.037 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion: 112 Resp: 14781  
Ion Ratio Lower Upper  
112 100  
64 54.9 42.9 64.3  
63 28.3 21.5 32.3





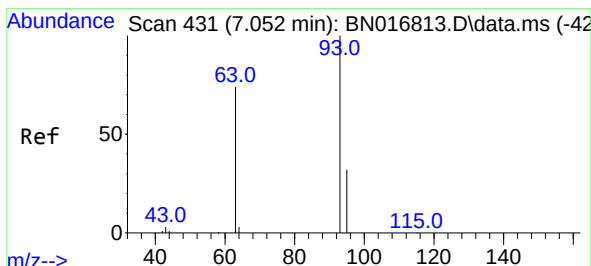
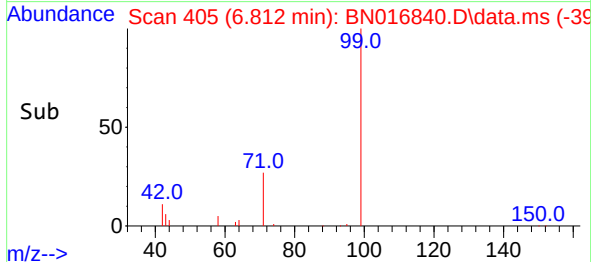
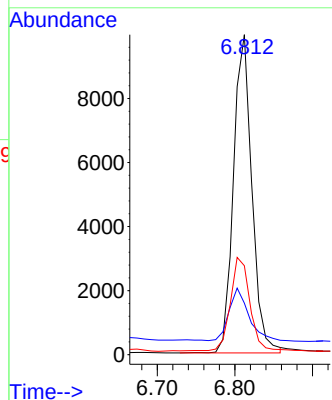
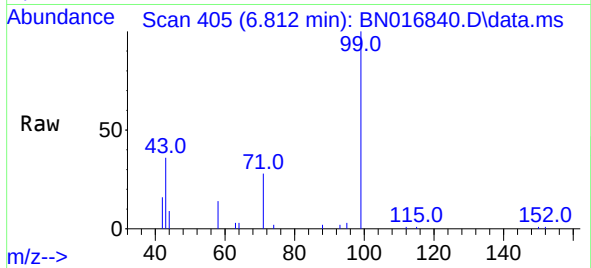
#5  
Phenol-d6  
Concen: 0.28 ng  
RT: 6.812 min Scan# 405  
Delta R.T. 0.018 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion: 99 Resp: 16335  
Ion Ratio Lower Upper  
99 100  
42 17.6 13.4 20.2  
71 31.1 24.0 36.0

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

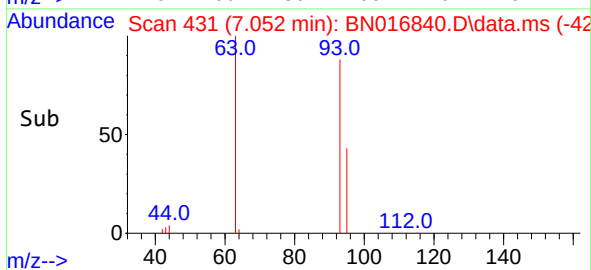
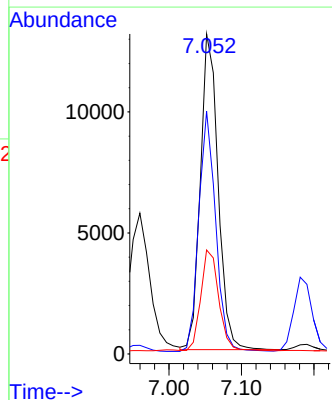
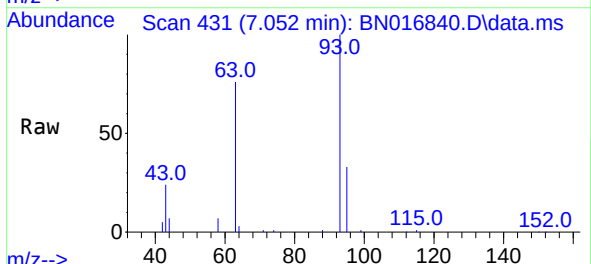
Manual Integrations  
APPROVED

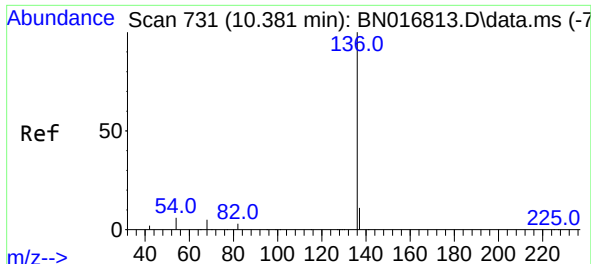
mohammad  
10/11/2021 2:10:02 PM



#6  
bis(2-Chloroethyl)ether  
Concen: 0.39 ng  
RT: 7.052 min Scan# 431  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

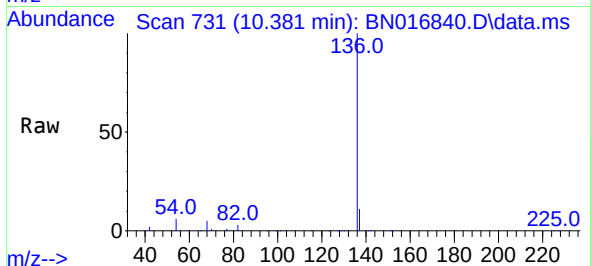
Tgt Ion: 93 Resp: 22171  
Ion Ratio Lower Upper  
93 100  
63 72.8 59.0 88.6  
95 32.5 26.4 39.6





#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.381 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

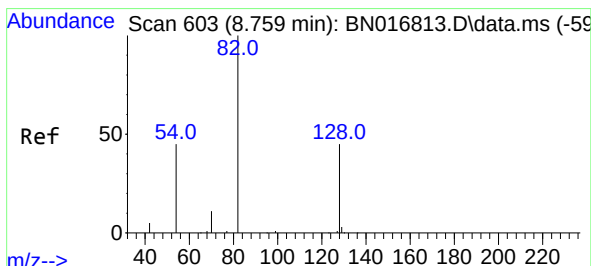
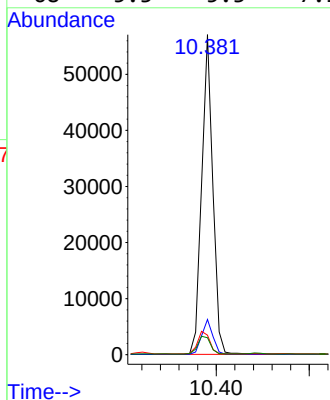
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



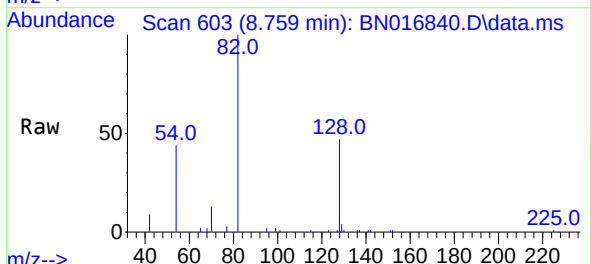
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 95025 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.9   | 13.3  |
| 54       | 6.1   | 6.5   | 9.7#  |
| 68       | 5.3   | 5.3   | 7.9   |

Manual Integrations  
APPROVED

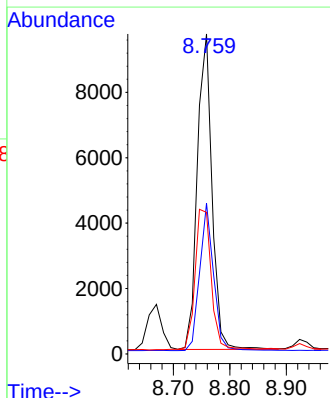
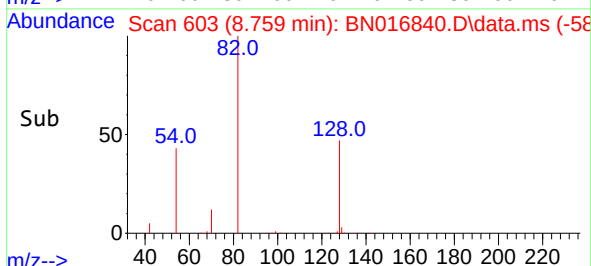
mohammad  
10/11/2021 2:10:02 PM

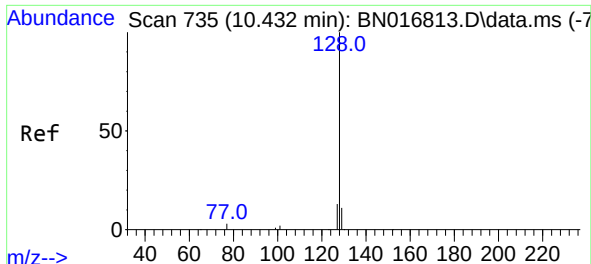


#8  
Nitrobenzene-d5  
Concen: 0.26 ng  
RT: 8.759 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

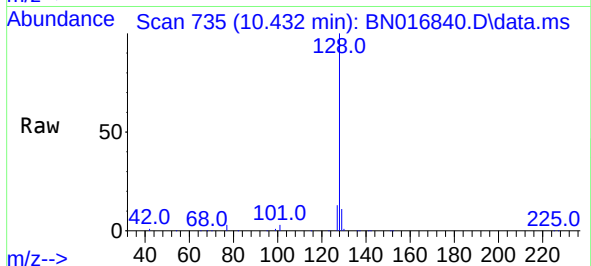


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 17462 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 47.1  | 33.8  | 50.6  |
| 54       | 44.2  | 38.5  | 57.7  |



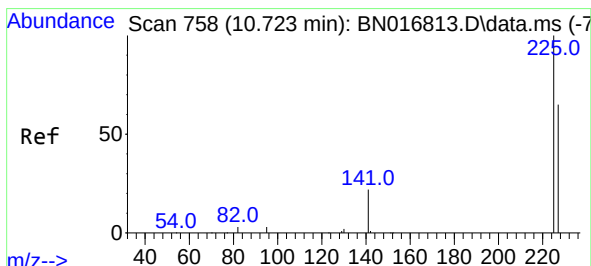
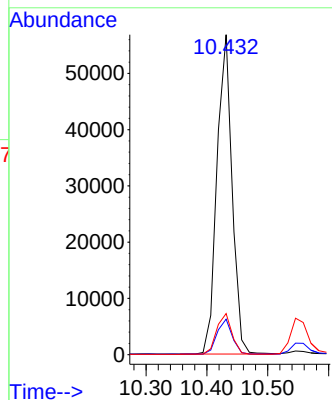
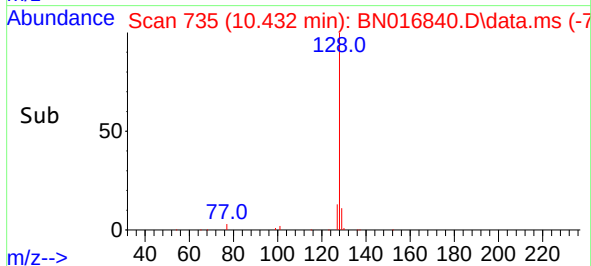


#9  
Naphthalene  
Concen: 0.38 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

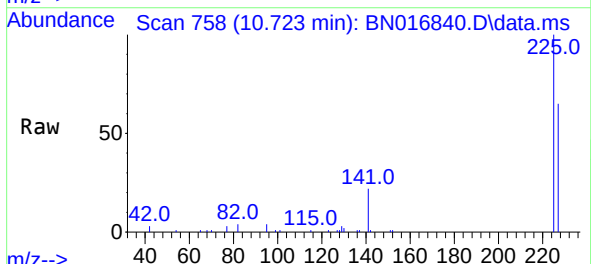


Tgt Ion:128 Resp: 98027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.1  | 8.7   | 13.1  |
| 127 | 12.8  | 10.3  | 15.5  |

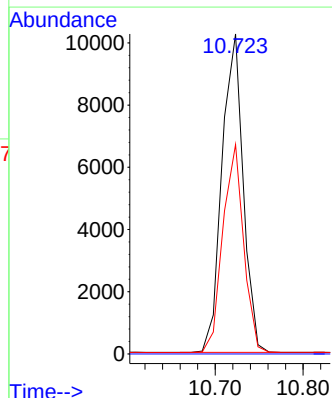
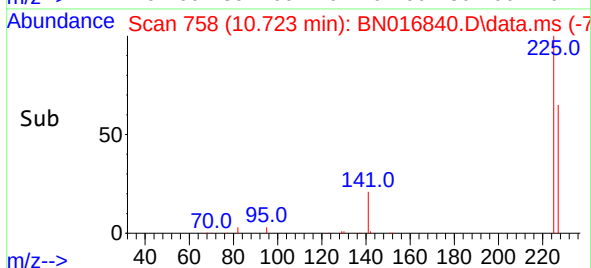


#10  
Hexachlorobutadiene  
Concen: 0.35 ng  
RT: 10.723 min Scan# 758  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



Tgt Ion:225 Resp: 17180

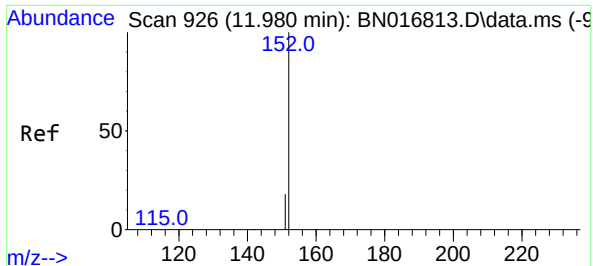
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 0.0   | 0.0   | 0.0   |
| 227 | 63.9  | 51.1  | 76.7  |



Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM



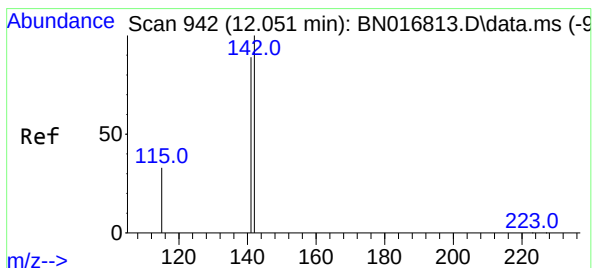
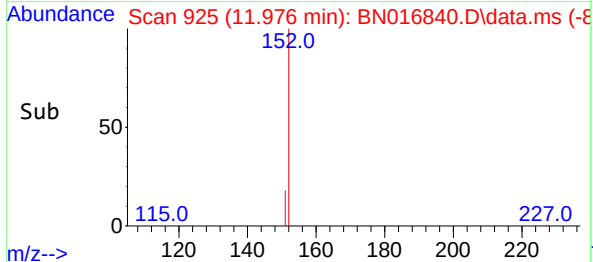
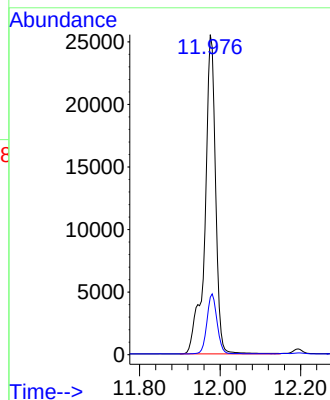
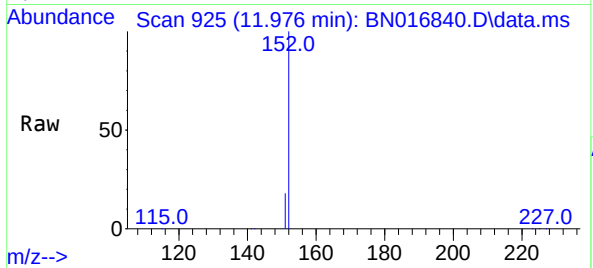
#11  
2-Methylnaphthalene-d10  
Concen: 0.33 ng  
RT: 11.976 min Scan# 925  
Delta R.T. -0.005 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:152 Resp: 46688  
Ion Ratio Lower Upper  
152 100  
151 18.0 16.2 24.4

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

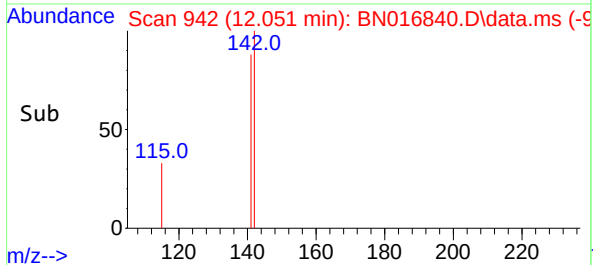
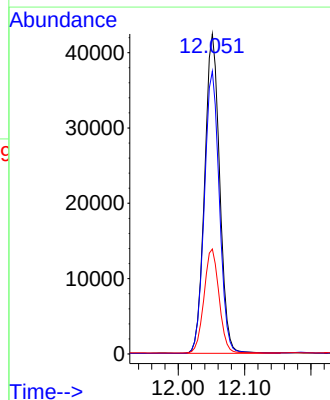
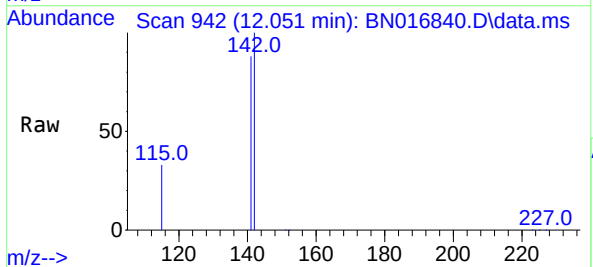
Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM

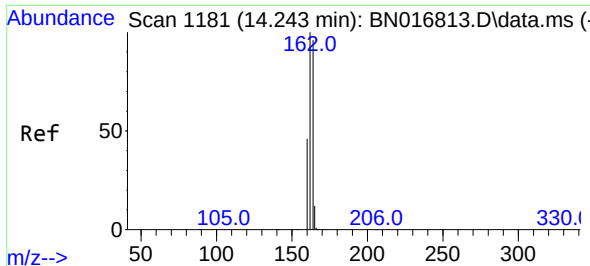


#12  
2-Methylnaphthalene  
Concen: 0.40 ng  
RT: 12.051 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:142 Resp: 66618  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.6 106.0  
115 32.8 26.1 39.1

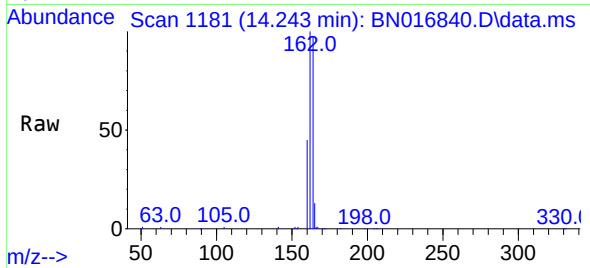






#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.243 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

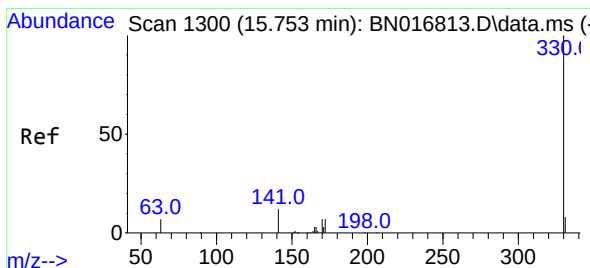
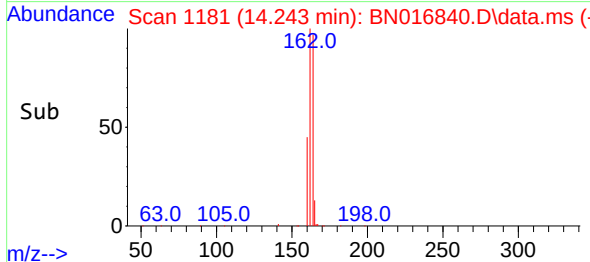
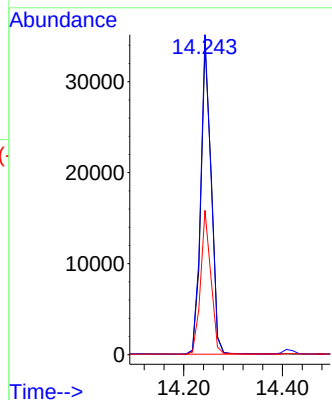
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



Tgt Ion:164 Resp: 50105  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.6 124.0  
160 46.5 38.2 57.2

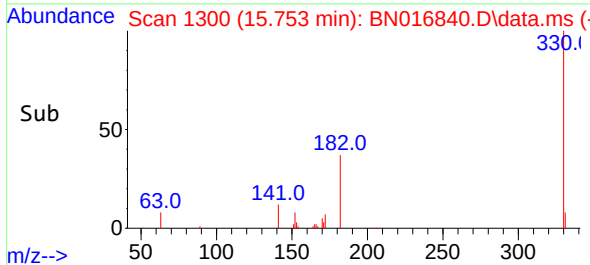
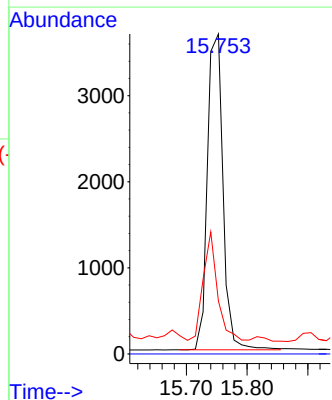
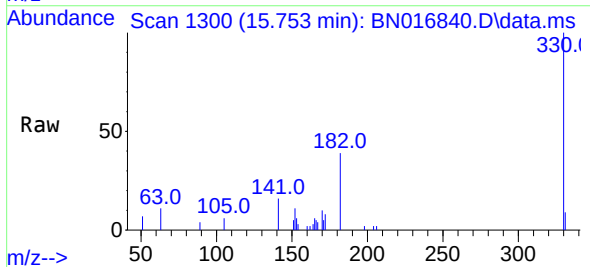
Manual Integrations  
APPROVED

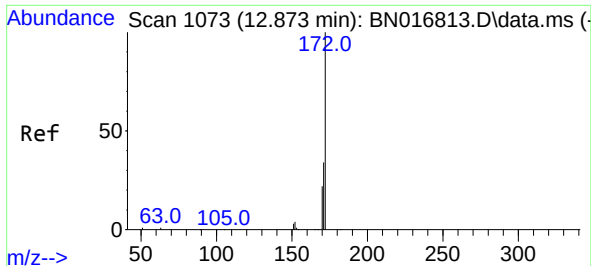
mohammad  
10/11/2021 2:10:02 PM



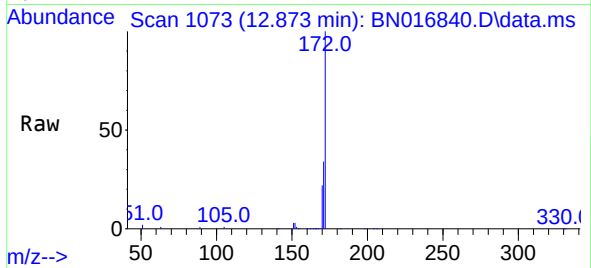
#14  
2,4,6-Tribromophenol  
Concen: 0.25 ng  
RT: 15.753 min Scan# 1300  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:330 Resp: 6571  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 31.3 24.2 36.2

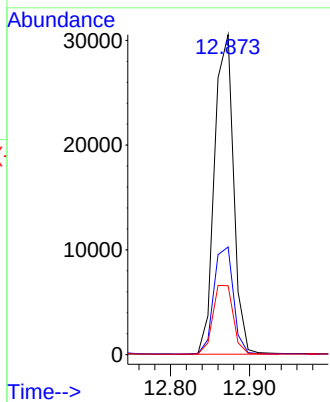
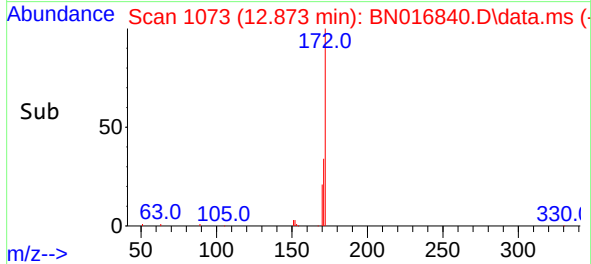




#15  
2-Fluorobiphenyl  
Concen: 0.25 ng  
RT: 12.873 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



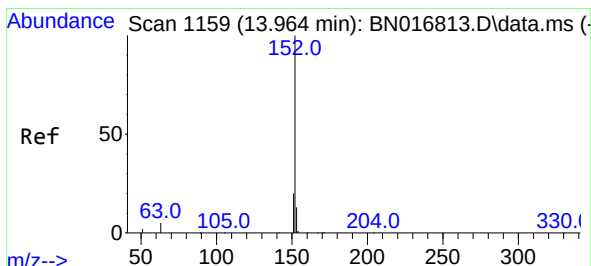
Tgt Ion:172 Resp: 51254  
Ion Ratio Lower Upper  
172 100  
171 33.7 26.9 40.3  
170 21.5 17.4 26.0



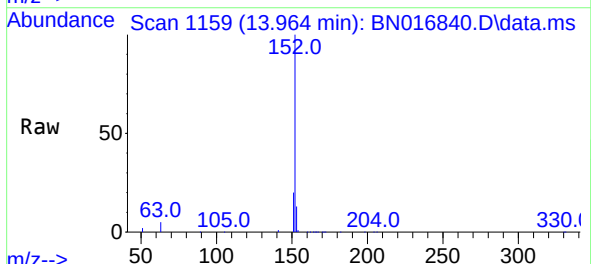
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

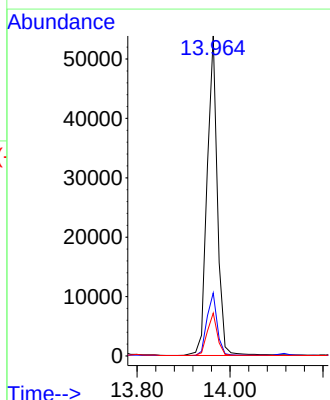
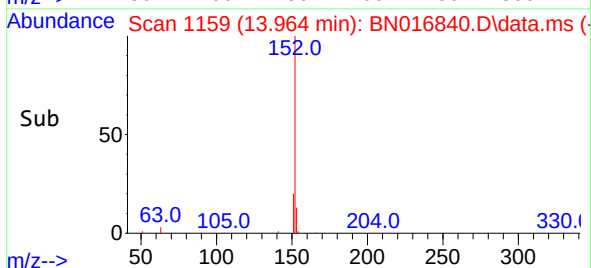
mohammad  
10/11/2021 2:10:02 PM

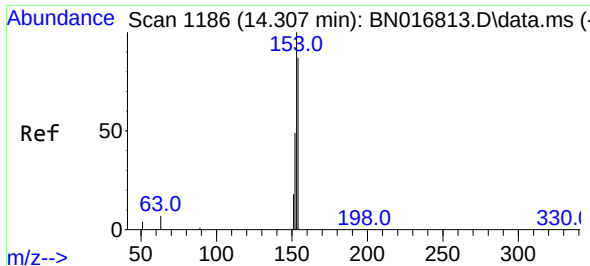


#16  
Acenaphthylene  
Concen: 0.38 ng  
RT: 13.964 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



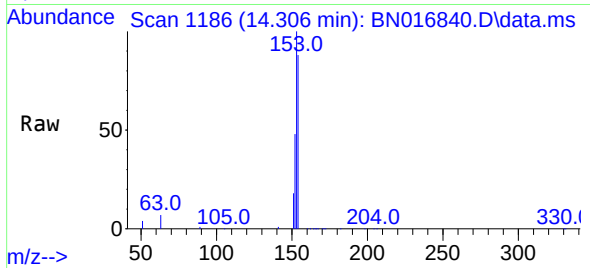
Tgt Ion:152 Resp: 83030  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.5 23.3  
153 13.3 10.4 15.6





#17  
Acenaphthene  
Concen: 0.36 ng  
RT: 14.306 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

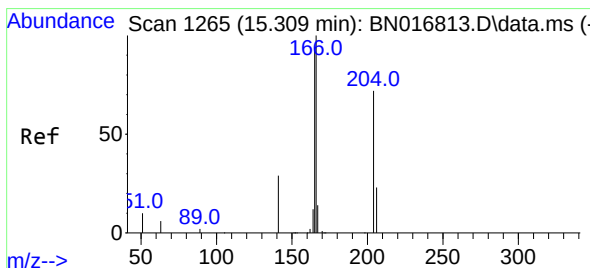
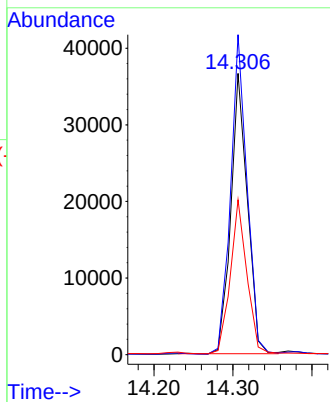
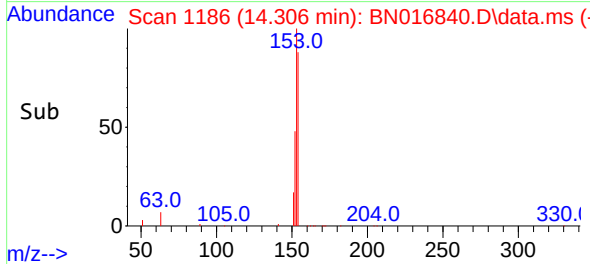
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



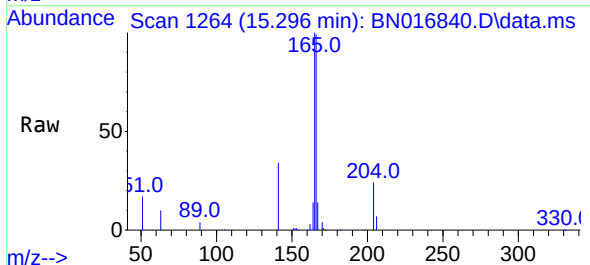
Tgt Ion:154 Resp: 53240  
Ion Ratio Lower Upper  
154 100  
153 113.1 90.1 135.1  
152 54.9 43.6 65.4

Manual Integrations  
APPROVED

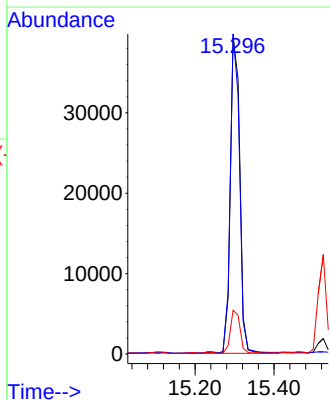
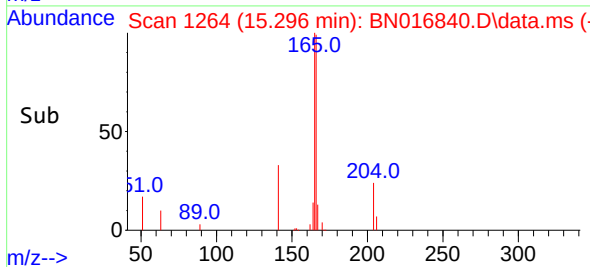
mohammad  
10/11/2021 2:10:02 PM

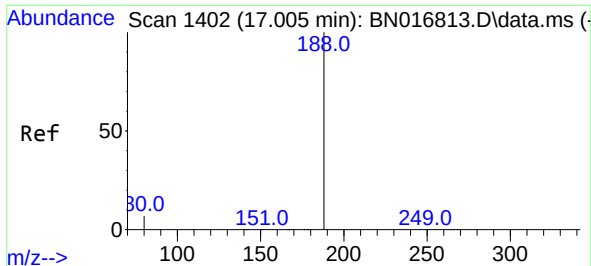


#18  
Fluorene  
Concen: 0.37 ng  
RT: 15.296 min Scan# 1264  
Delta R.T. -0.013 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

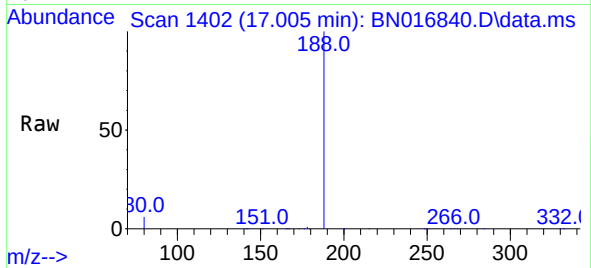


Tgt Ion:166 Resp: 65899  
Ion Ratio Lower Upper  
166 100  
165 98.8 78.1 117.1  
167 13.9 10.7 16.1

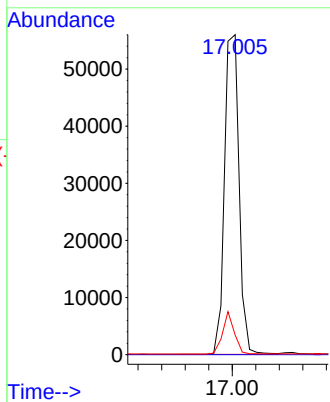
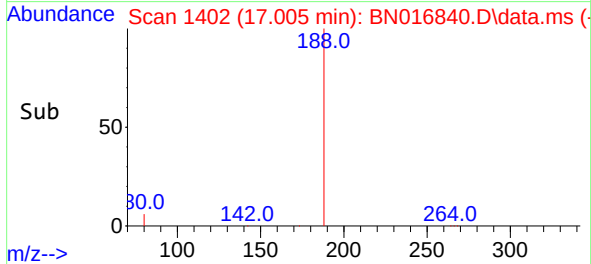




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.005 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



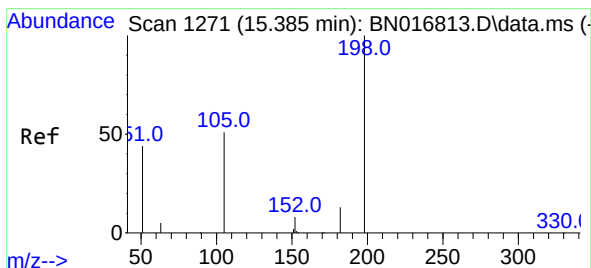
Tgt Ion:188 Resp: 96146  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.1 5.8 8.8



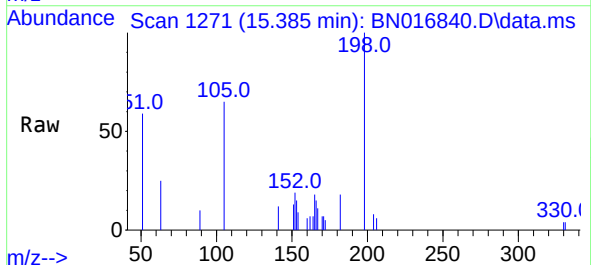
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

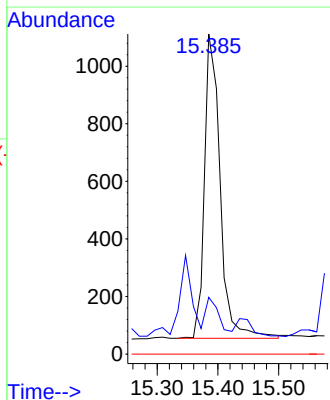
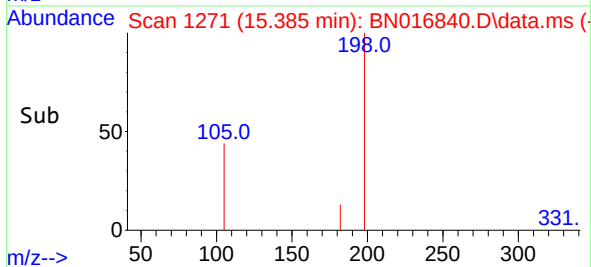
mohammad  
10/11/2021 2:10:02 PM

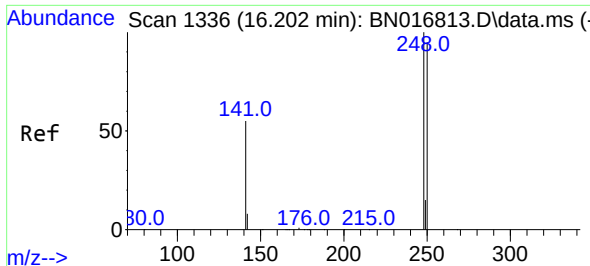


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.28 ng  
RT: 15.385 min Scan# 1271  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



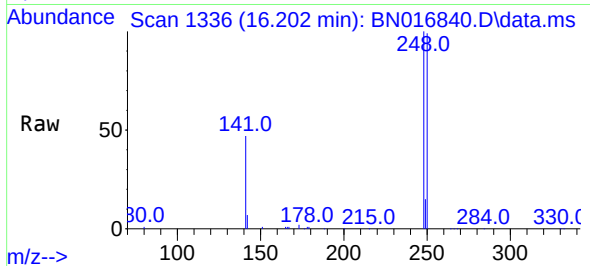
Tgt Ion:198 Resp: 1896  
Ion Ratio Lower Upper  
198 100  
182 17.7 26.2 39.2#  
77 0.0 0.0 0.0





#21  
4-Bromophenyl-phenylether  
Concen: 0.37 ng  
RT: 16.202 min Scan# 1336  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

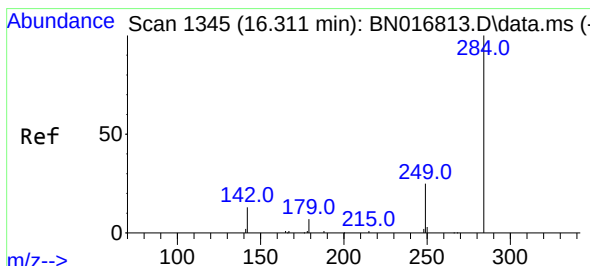
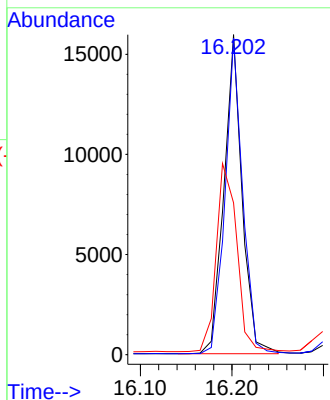
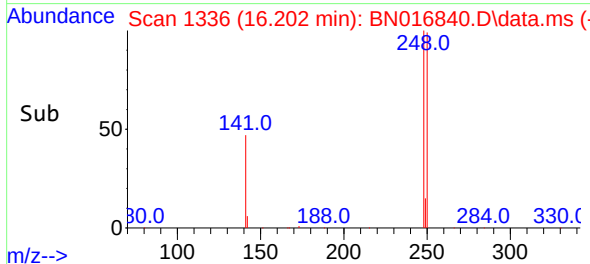
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



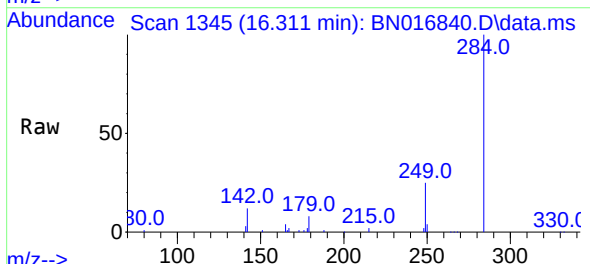
Tgt Ion:248 Resp: 21998  
Ion Ratio Lower Upper  
248 100  
250 98.8 76.2 114.4  
141 47.5 45.6 68.4

Manual Integrations  
APPROVED

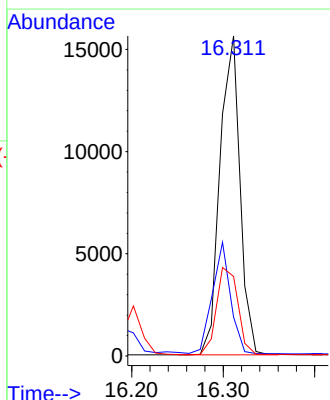
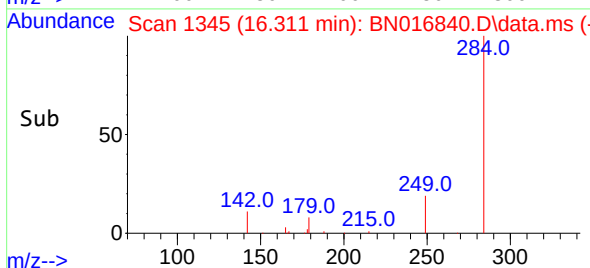
mohammad  
10/11/2021 2:10:02 PM

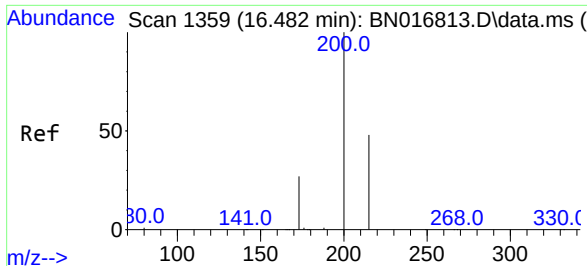


#22  
Hexachlorobenzene  
Concen: 0.35 ng  
RT: 16.311 min Scan# 1345  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



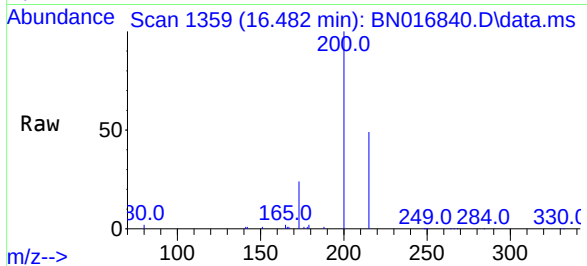
Tgt Ion:284 Resp: 23715  
Ion Ratio Lower Upper  
284 100  
142 31.6 25.8 38.6  
249 29.1 23.3 34.9





#23  
Atrazine  
Concen: 0.37 ng  
RT: 16.482 min Scan# 1359  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

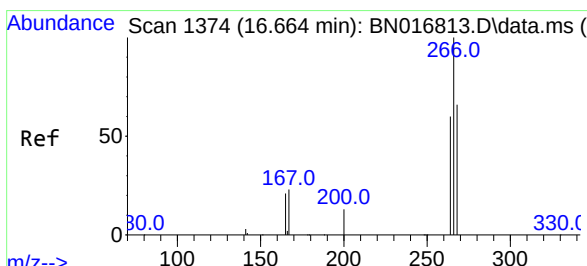
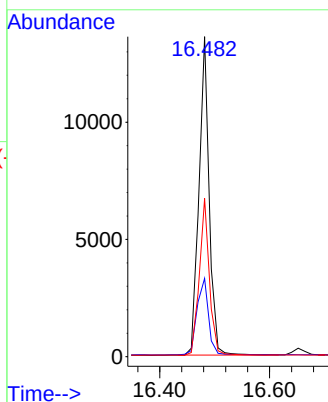
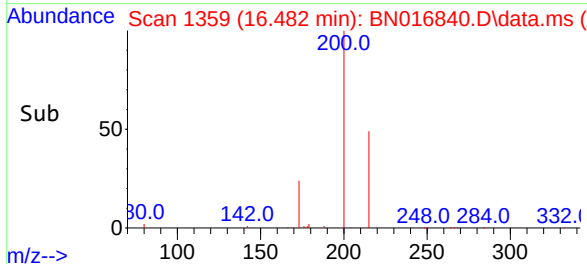
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



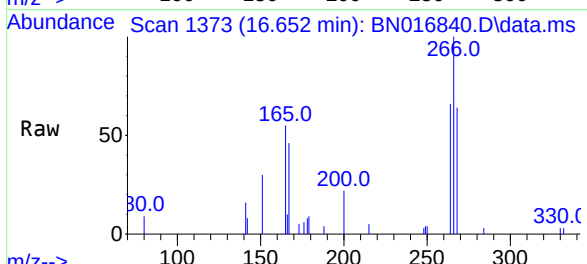
Tgt Ion:200 Resp: 17628  
Ion Ratio Lower Upper  
200 100  
173 24.5 20.1 30.1  
215 49.5 38.8 58.2

Manual Integrations  
APPROVED

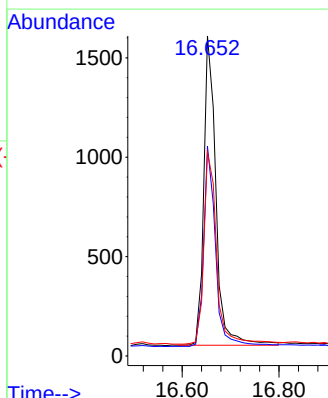
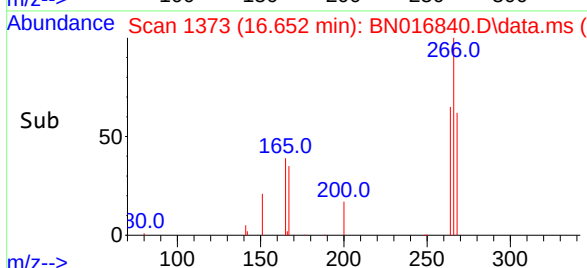
mohammad  
10/11/2021 2:10:02 PM

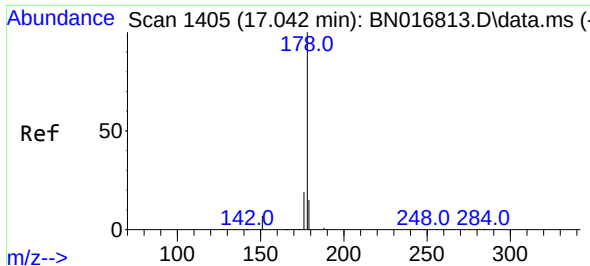


#24  
Pentachlorophenol  
Concen: 0.19 ng  
RT: 16.652 min Scan# 1373  
Delta R.T. -0.012 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



Tgt Ion:266 Resp: 2732  
Ion Ratio Lower Upper  
266 100  
264 63.0 49.3 73.9  
268 64.9 51.8 77.8





#25  
Phenanthrene  
Concen: 0.55 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

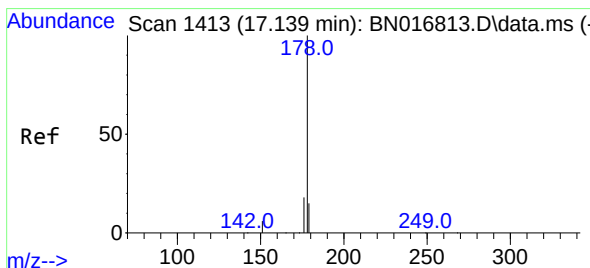
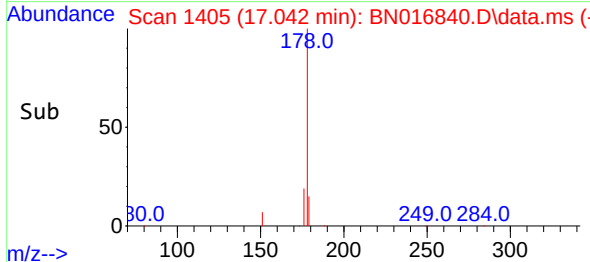
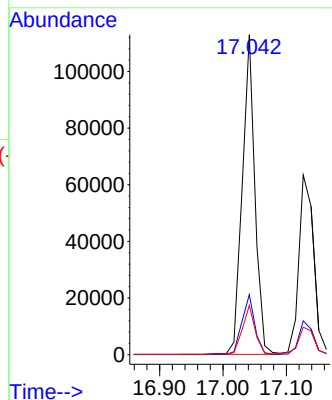
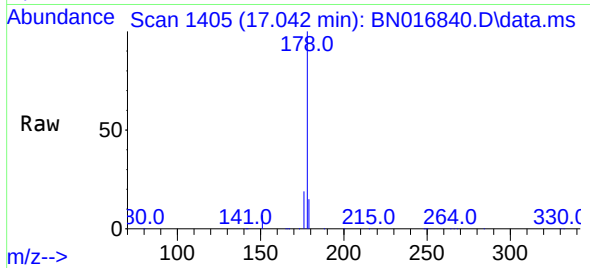
Tgt Ion:178 Resp: 157141  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.9  | 15.0  | 22.6  |
| 179 | 15.5  | 12.4  | 18.6  |

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

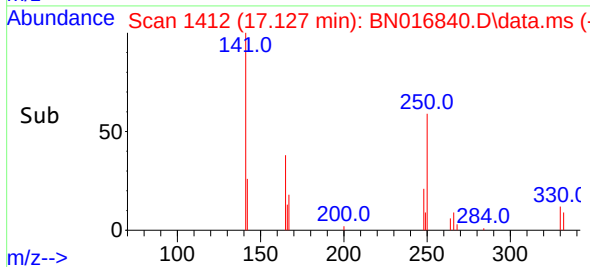
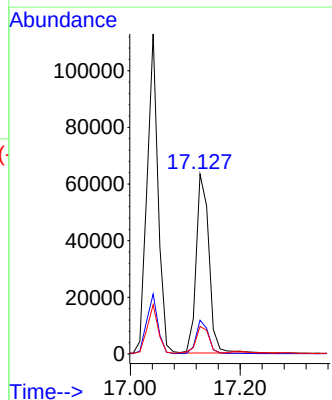
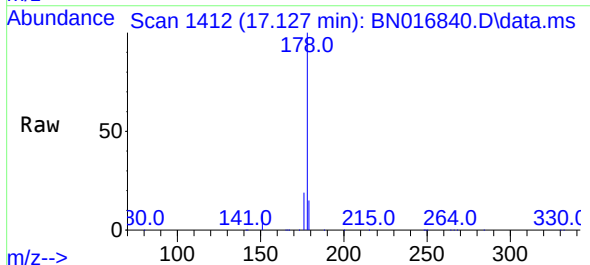
mohammad  
10/11/2021 2:10:02 PM

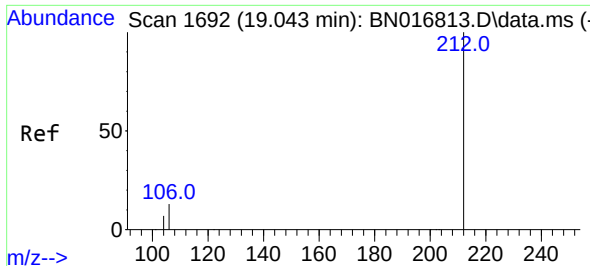


#26  
Anthracene  
Concen: 0.40 ng  
RT: 17.127 min Scan# 1412  
Delta R.T. -0.012 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:178 Resp: 102262  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 18.0  | 14.5  | 21.7  |
| 179 | 15.4  | 12.2  | 18.4  |





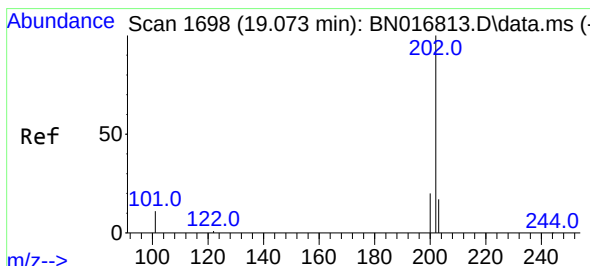
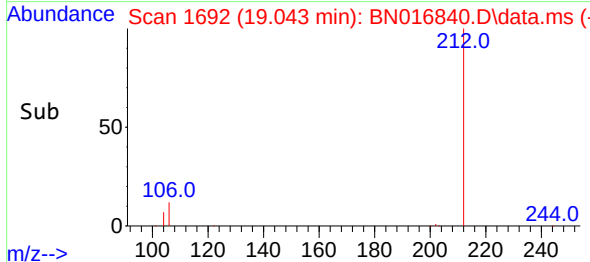
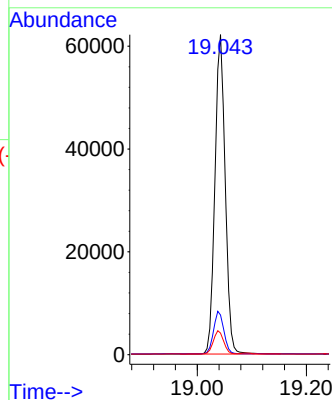
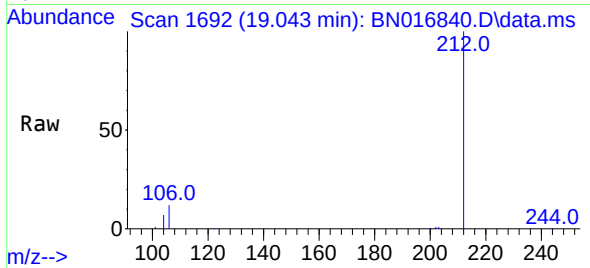
#27  
Fluoranthene-d10  
Concen: 0.30 ng  
RT: 19.043 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion: 212 Resp: 81112  
Ion Ratio Lower Upper  
212 100  
106 13.3 10.6 16.0  
104 7.2 5.8 8.8

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

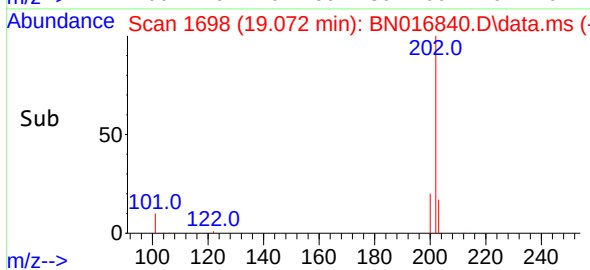
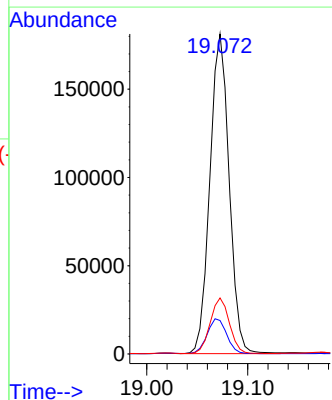
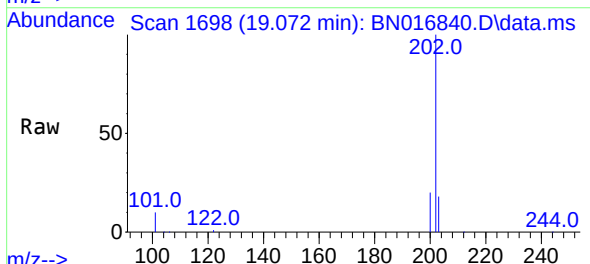
Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM

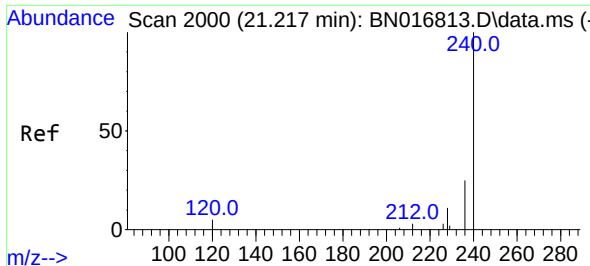


#28  
Fluoranthene  
Concen: 0.75 ng  
RT: 19.072 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion: 202 Resp: 240097  
Ion Ratio Lower Upper  
202 100  
101 11.0 8.9 13.3  
203 17.3 13.8 20.8







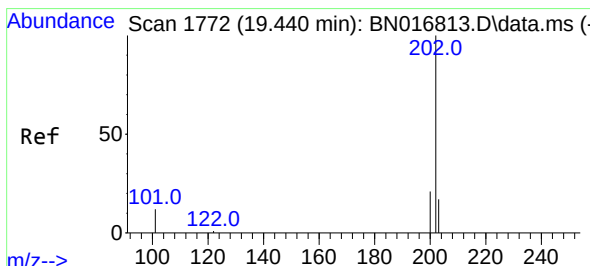
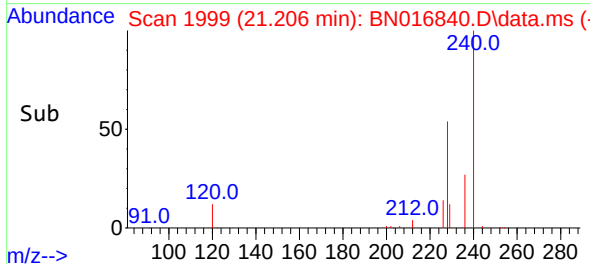
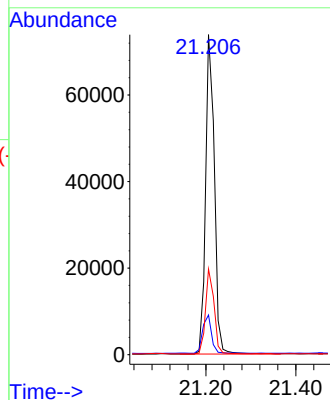
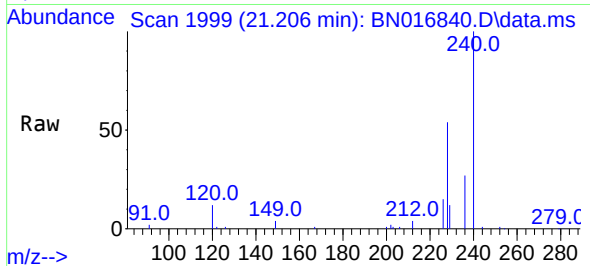
#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.206 min Scan# 1999  
Delta R.T. -0.011 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:240 Resp: 99689  
Ion Ratio Lower Upper  
240 100  
120 12.4 6.6 10.0#  
236 26.8 20.7 31.1

Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

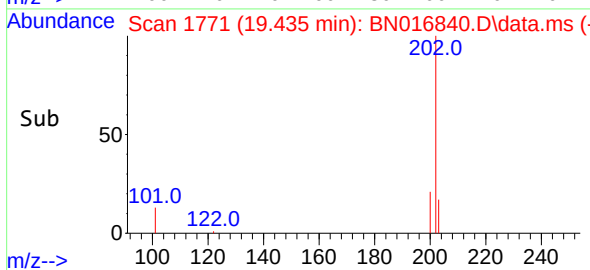
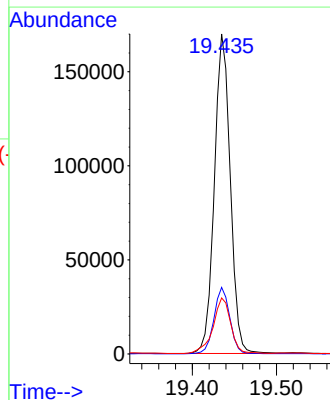
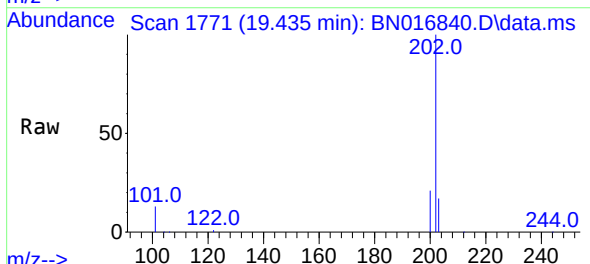
Manual Integrations  
APPROVED

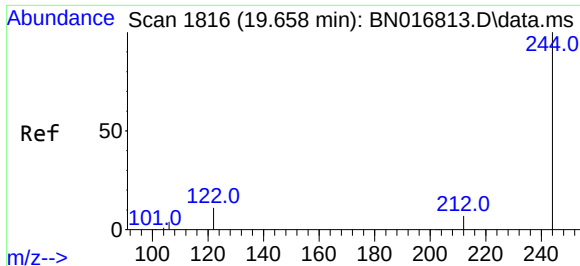
mohammad  
10/11/2021 2:10:02 PM



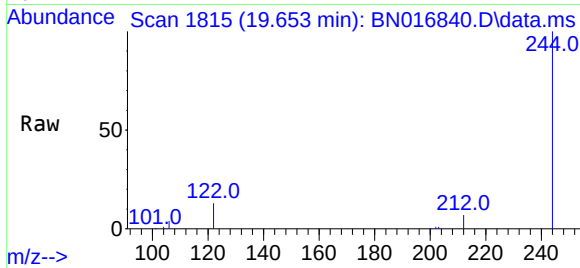
#30  
Pyrene  
Concen: 0.73 ng  
RT: 19.435 min Scan# 1771  
Delta R.T. -0.005 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:202 Resp: 222655  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.5 24.7  
203 19.4 13.9 20.9

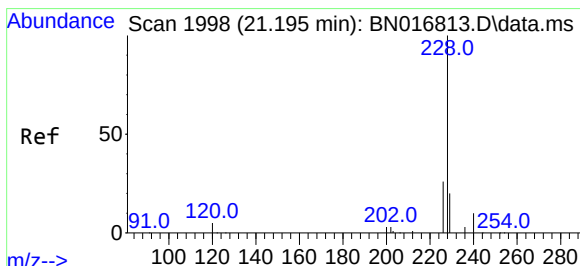
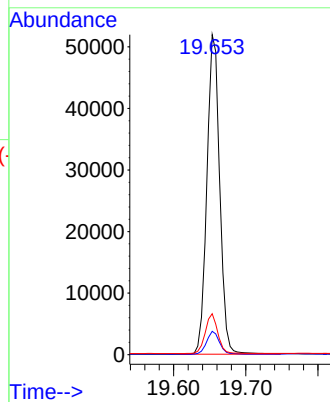
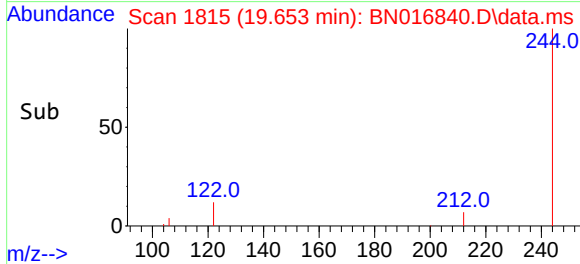




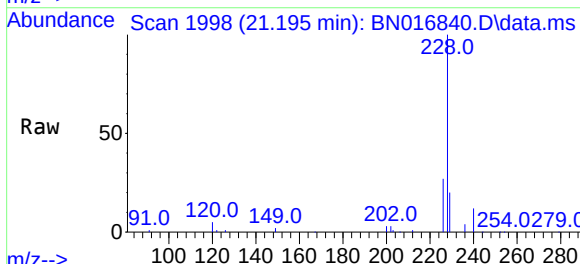
#31  
Terphenyl-d14  
Concen: 0.29 ng  
RT: 19.653 min Scan# 1815  
Delta R.T. -0.005 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



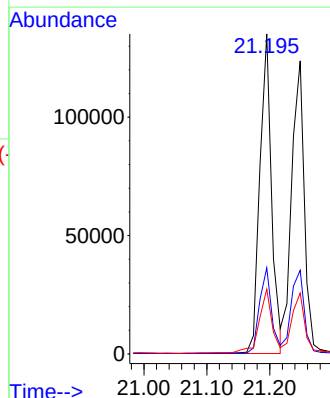
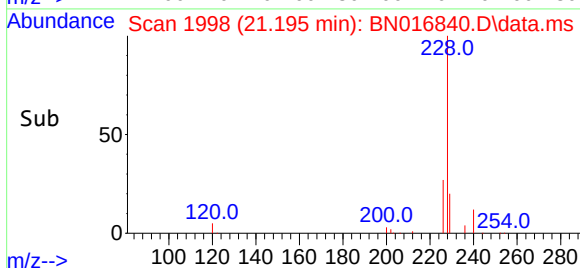
Tgt Ion:244 Resp: 64122  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.8 8.6  
122 12.8 8.9 13.3



#32  
Benzo(a)anthracene  
Concen: 0.57 ng  
RT: 21.195 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



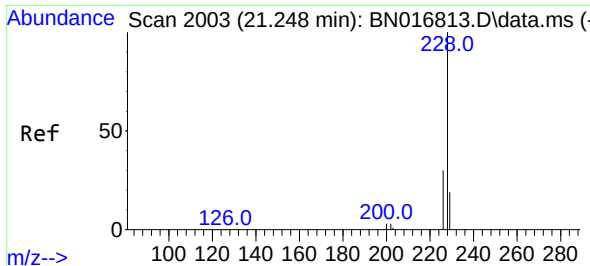
Tgt Ion:228 Resp: 175042  
Ion Ratio Lower Upper  
228 100  
226 26.9 22.3 33.5  
229 20.3 15.4 23.0



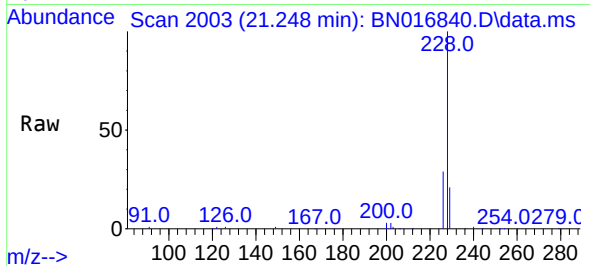
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

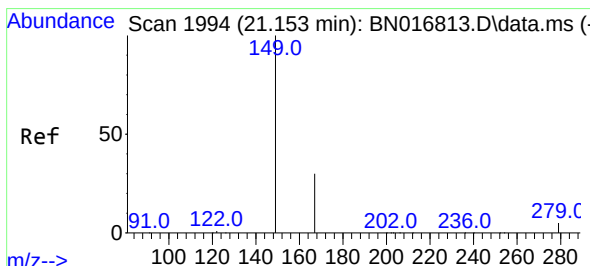
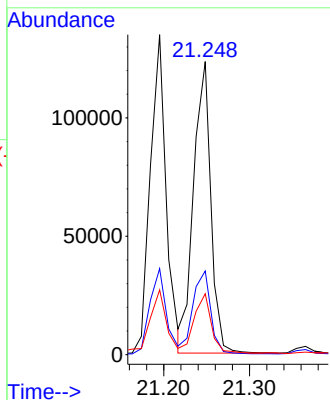
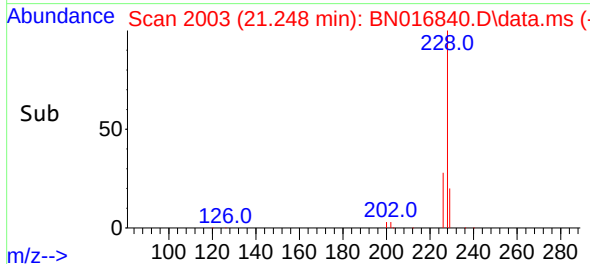
mohammad  
10/11/2021 2:10:02 PM



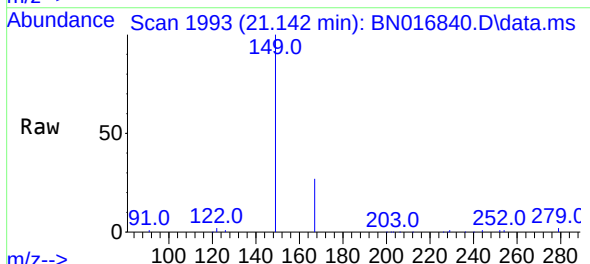
#33  
Chrysene  
Concen: 0.55 ng  
RT: 21.248 min Scan# 2003  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



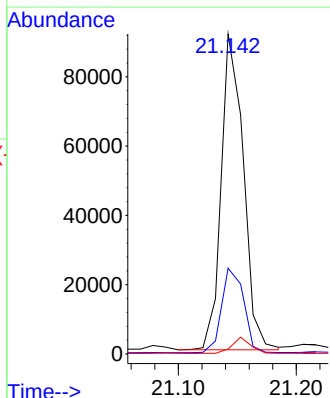
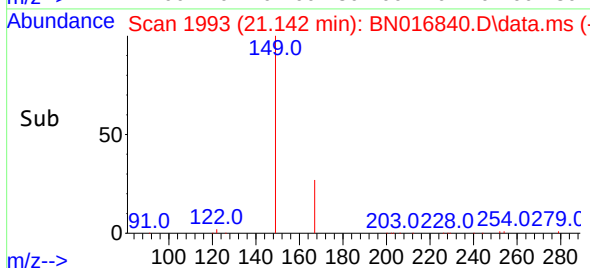
Tgt Ion:228 Resp: 171757  
Ion Ratio Lower Upper  
228 100  
226 28.5 24.2 36.4  
229 20.8 15.4 23.0



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.76 ng  
RT: 21.142 min Scan# 1993  
Delta R.T. -0.011 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



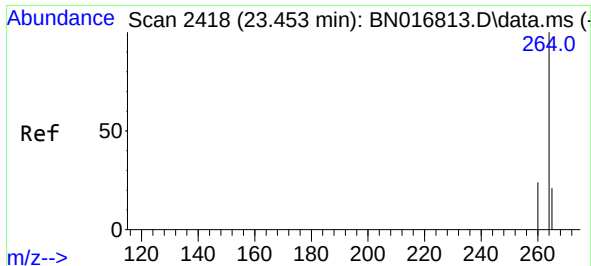
Tgt Ion:149 Resp: 119249  
Ion Ratio Lower Upper  
149 100  
167 26.6 22.2 33.4  
279 4.3 3.4 5.2



Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

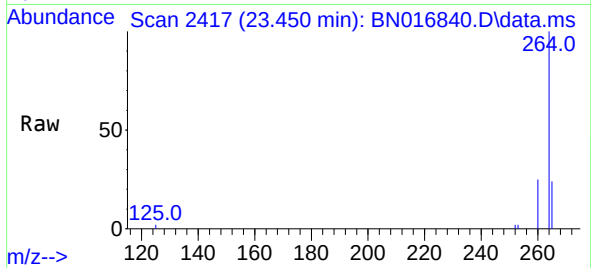
Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM



#35  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.450 min Scan# 2417  
Delta R.T. -0.004 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

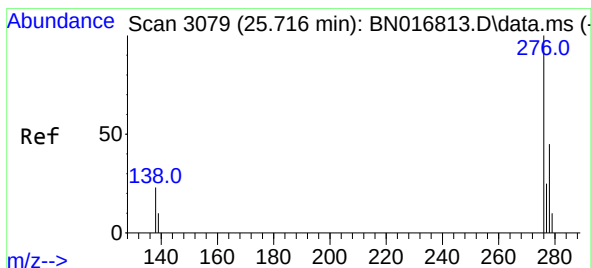
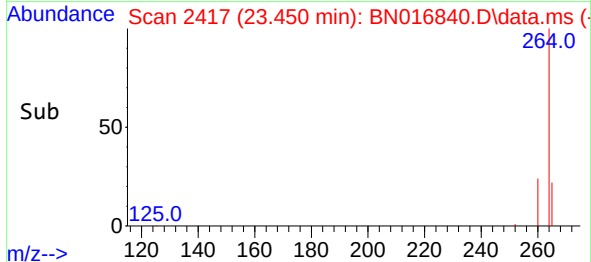
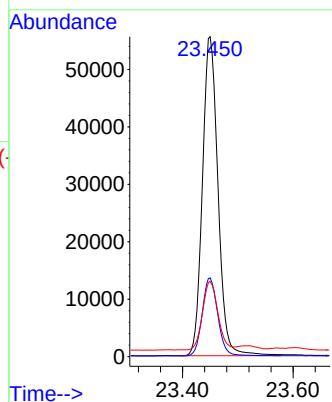
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD



Tgt Ion:264 Resp: 108570  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.8 29.6  
265 23.5 20.3 30.5

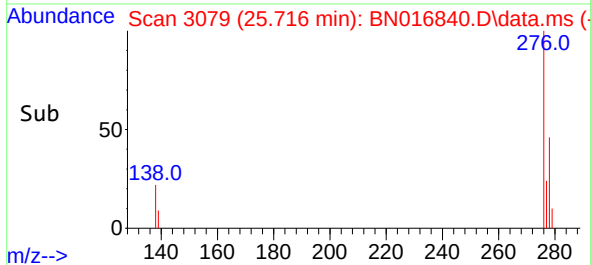
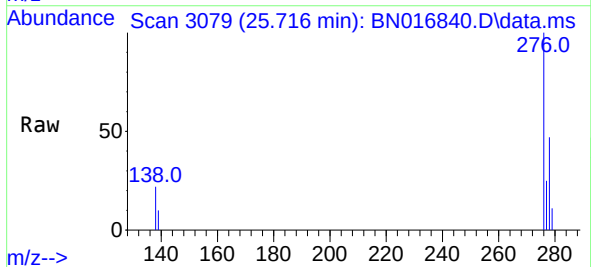
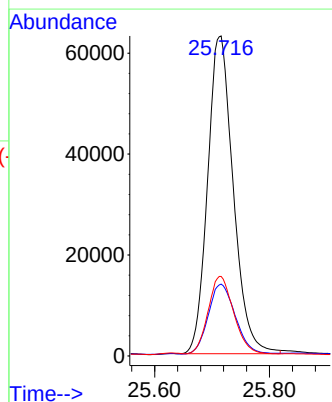
Manual Integrations  
APPROVED

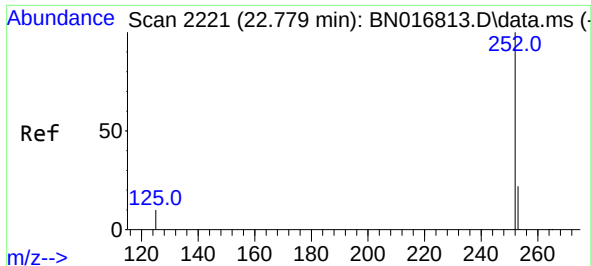
mohammad  
10/11/2021 2:10:02 PM



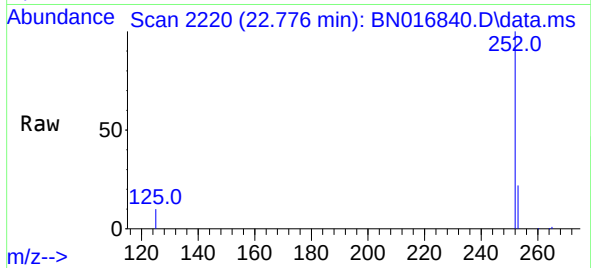
#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.48 ng  
RT: 25.716 min Scan# 3079  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

Tgt Ion:276 Resp: 195360  
Ion Ratio Lower Upper  
276 100  
138 23.2 19.2 28.8  
277 24.1 20.0 30.0

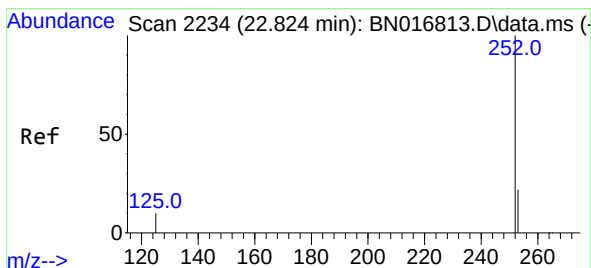
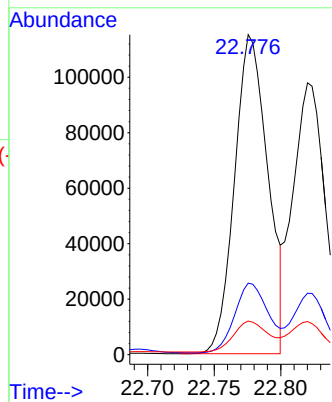
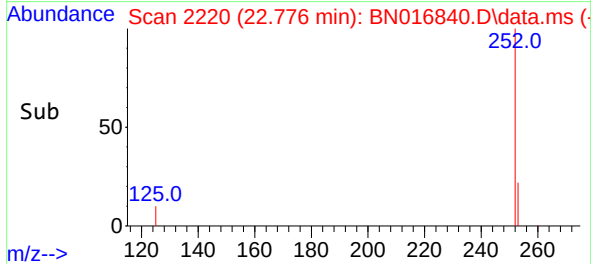




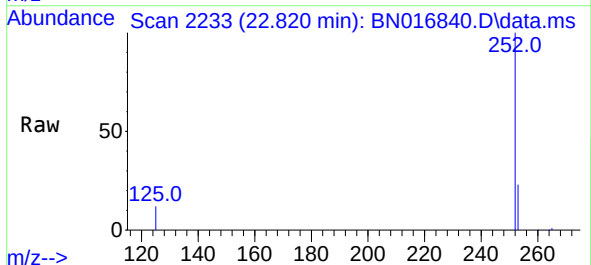
#37  
Benzo(b)fluoranthene  
Concen: 0.58 ng  
RT: 22.776 min Scan# 2220  
Delta R.T. -0.004 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



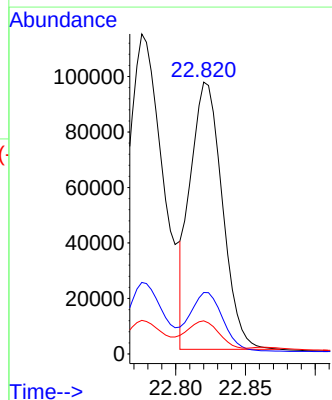
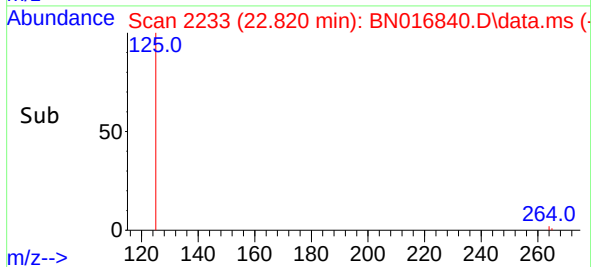
Tgt Ion:252 Resp: 199734  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.8  
125 10.5 8.3 12.5



#38  
Benzo(k)fluoranthene  
Concen: 0.46 ng  
RT: 22.820 min Scan# 2233  
Delta R.T. -0.004 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



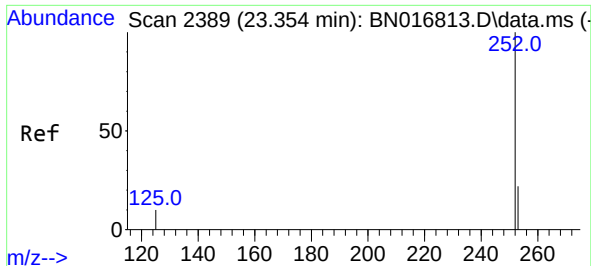
Tgt Ion:252 Resp: 153929  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 12.2 8.5 12.7



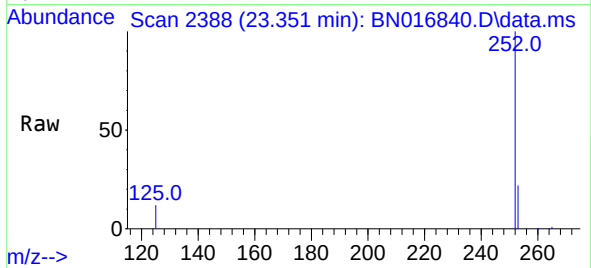
Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

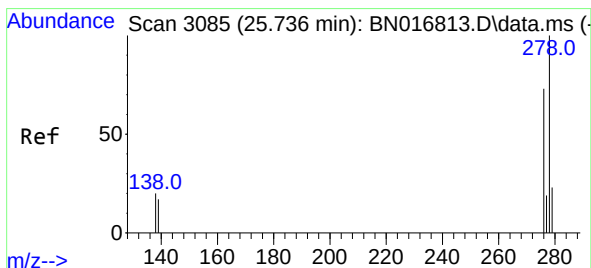
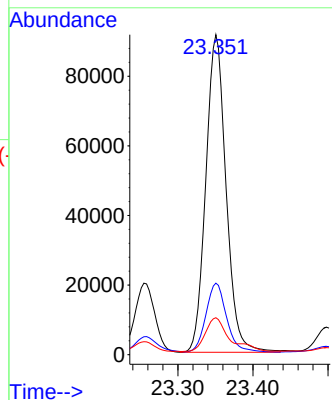
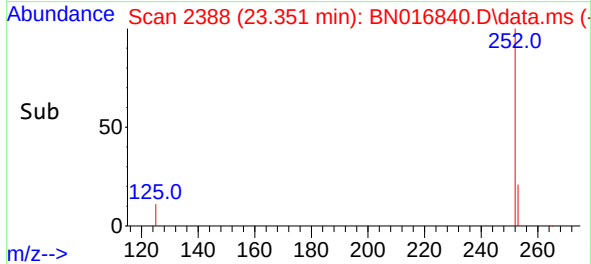
mohammad  
10/11/2021 2:10:02 PM



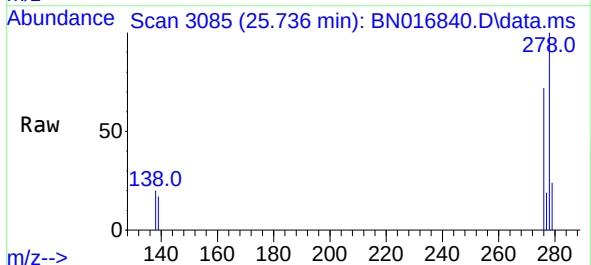
#39  
Benzo(a)pyrene  
Concen: 0.54 ng  
RT: 23.351 min Scan# 2388  
Delta R.T. -0.004 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



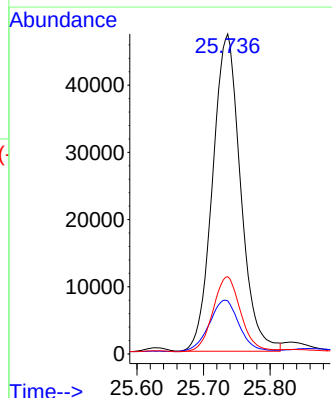
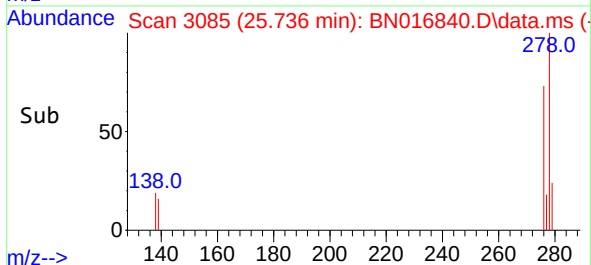
Tgt Ion:252 Resp: 170948  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 11.6 9.4 14.2



#40  
Dibenzo(a,h)anthracene  
Concen: 0.41 ng  
RT: 25.736 min Scan# 3085  
Delta R.T. -0.000 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21



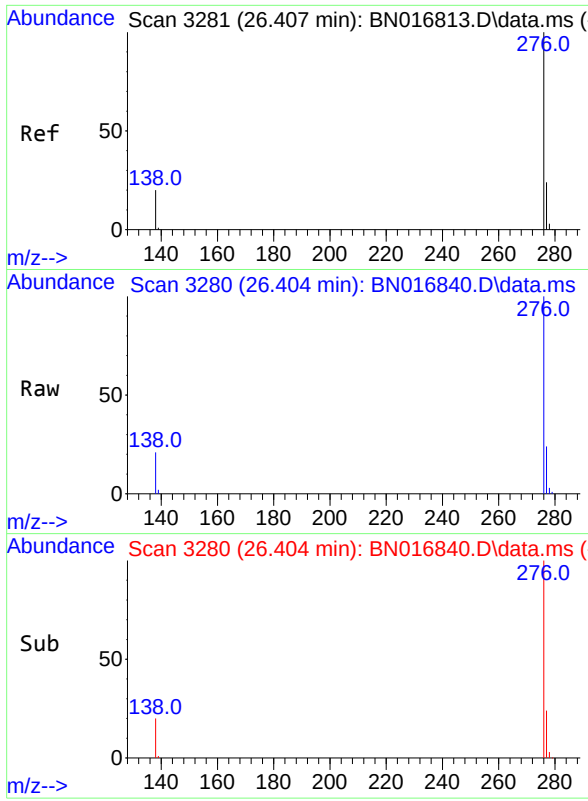
Tgt Ion:278 Resp: 137858  
Ion Ratio Lower Upper  
278 100  
139 16.6 13.1 19.7  
279 24.2 19.3 28.9



Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

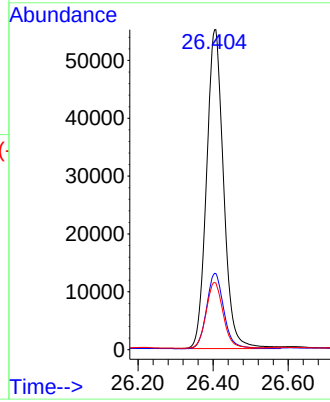
Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM



#41  
Benzo(g,h,i)perylene  
Concen: 0.49 ng  
RT: 26.404 min Scan# 3280  
Delta R.T. -0.004 min  
Lab File: BN016840.D  
Acq: 08 Oct 2021 12:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 174317 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.8  | 19.0  | 28.4   |
| 138       | 21.0  | 17.0  | 25.6   |



Instrument :  
BNA\_N  
ClientSampleId :  
S-842-R-SO-1-1.5-100121MSD

Manual Integrations  
APPROVED

mohammad  
10/11/2021 2:10:02 PM