

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062321\  
 Data File : BN014995.D  
 Acq On : 23 Jun 2021 06:57  
 Operator : CG/JU  
 Sample : M2750-22  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW179D2-20210616

Manual Integrations  
 APPROVED

mohammad  
 6/23/2021 4:50:52 PM

Quant Time: Jun 23 09:10:44 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN061621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 17 01:26:44 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.750  | 152  | 21442    | 0.400 | ng    | #-0.01   |
| 7) Naphthalene-d8             | 10.518 | 136  | 96522    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.359 | 164  | 51610    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.104 | 188  | 99218    | 0.400 | ng    | -0.01    |
| 29) Chrysene-d12              | 21.303 | 240  | 88381    | 0.400 | ng    | #-0.02   |
| 35) Perylene-d12              | 23.551 | 264  | 77509    | 0.400 | ng    | -0.03    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.381  | 112  | 9952     | 0.150 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.920  | 99   | 6949     | 0.083 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.883  | 82   | 26902    | 0.369 | ng    | -0.02    |
| 11) 2-Methylnaphthalene-d10   | 12.102 | 152  | 55681    | 0.336 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.843 | 330  | 7444     | 0.307 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl          | 12.976 | 172  | 85048    | 0.434 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.138 | 212  | 109975   | 0.352 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.744 | 244  | 133443   | 0.609 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.361  | 88   | 15356m   | 1.708 | ng    | Qvalue   |
| 6) bis(2-Chloroethyl)ether    | 7.179  | 93   | 4268     | 0.065 | ng    | # 85     |
| 34) Bis(2-ethylhexyl)phtha... | 21.229 | 149  | 26977    | 0.116 | ng    | # 87     |
| -----                         |        |      |          |       |       |          |

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

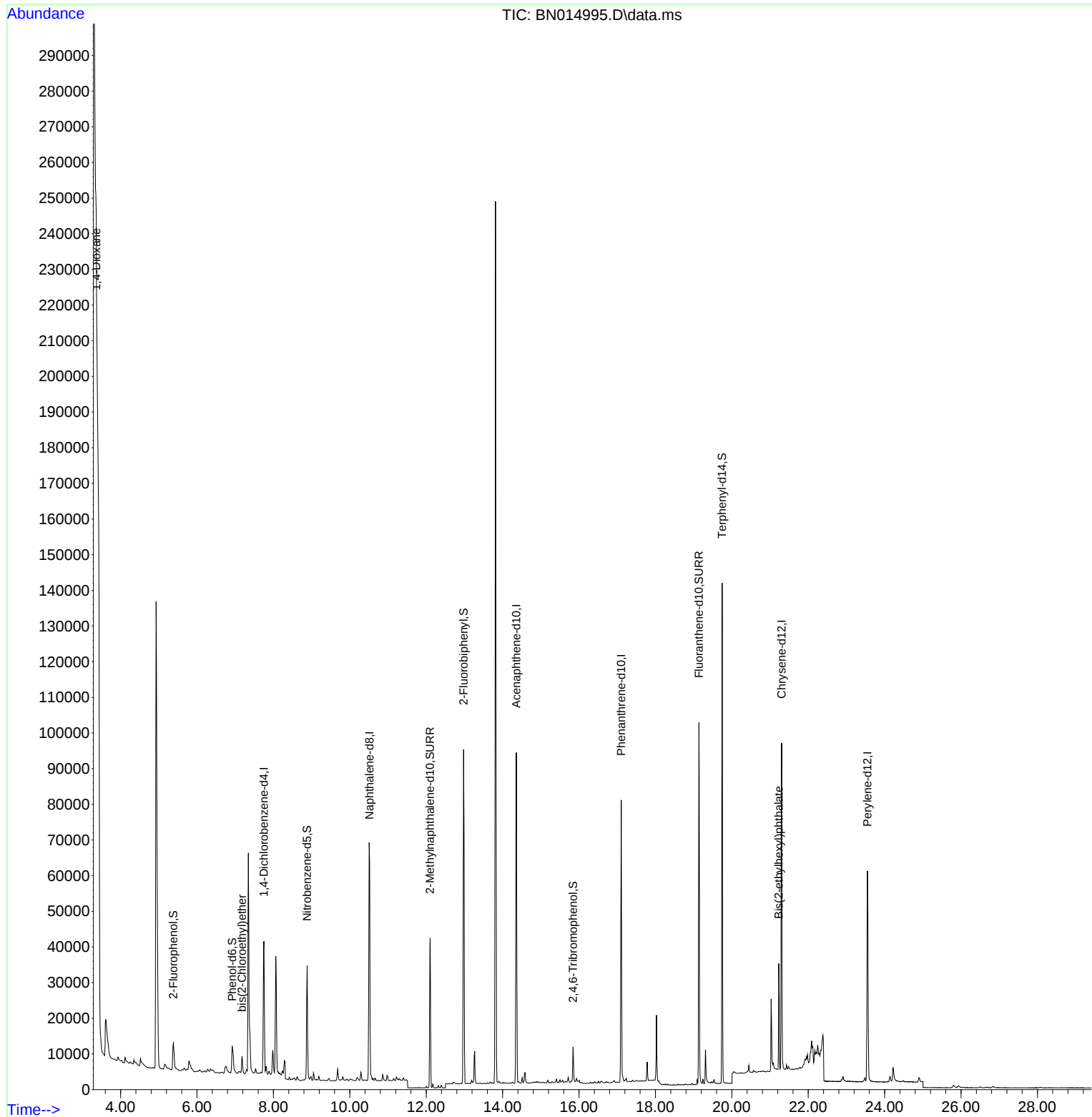
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062321\  
Data File : BN014995.D  
Acq On : 23 Jun 2021 06:57  
Operator : CG/JU  
Sample : M2750-22  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

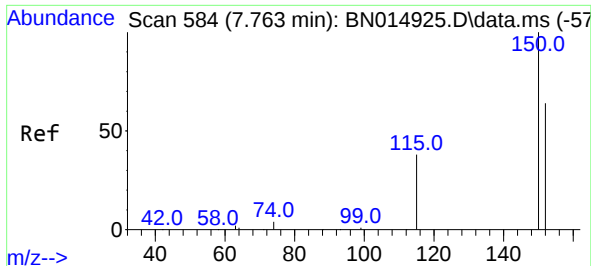
Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

Manual Integrations  
APPROVED

mohammad  
6/23/2021 4:50:52 PM

Quant Time: Jun 23 09:10:44 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN061621.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 17 01:26:44 2021  
Response via : Initial Calibration





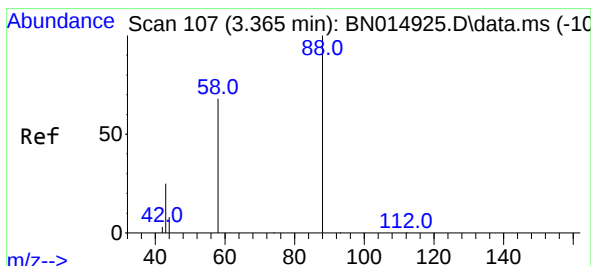
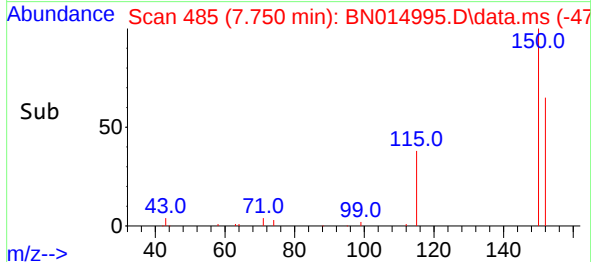
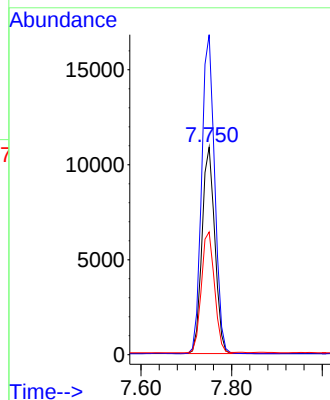
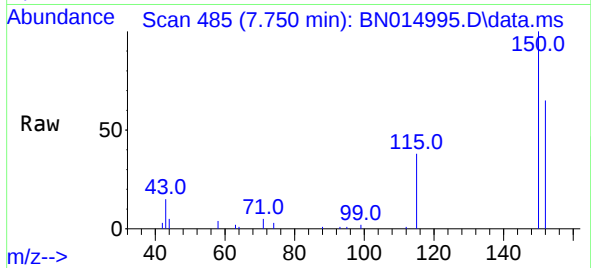
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.750 min Scan# 485  
Delta R.T. -0.013 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

Tgt Ion: 152 Resp: 21442  
Ion Ratio Lower Upper  
152 100  
150 154.2 119.0 178.6  
115 59.1 62.2 93.4#

Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

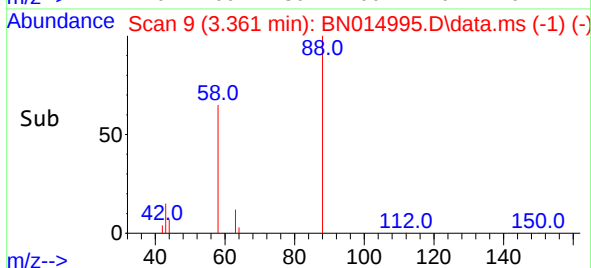
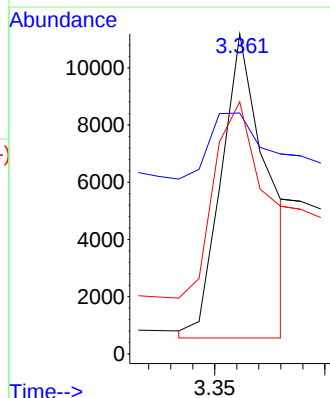
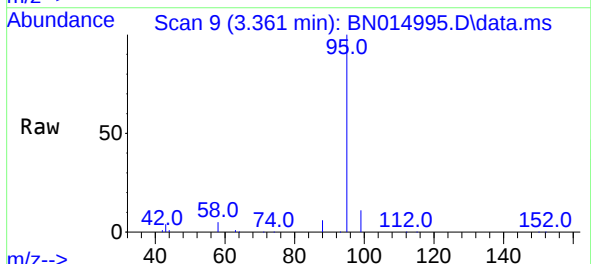
Manual Integrations  
APPROVED

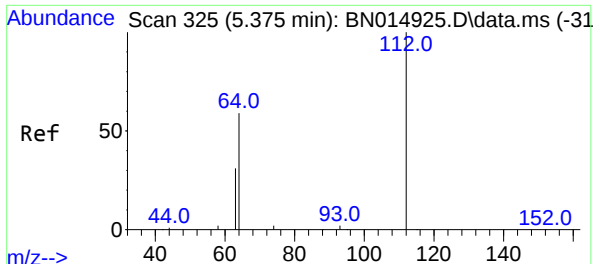
mohammad  
6/23/2021 4:50:52 PM



#2  
1,4-Dioxane  
Concen: 1.708 ng m  
RT: 3.361 min Scan# 9  
Delta R.T. -0.003 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

Tgt Ion: 88 Resp: 15356  
Ion Ratio Lower Upper  
88 100  
43 35.7 12.9 19.3#  
58 140.5 38.1 57.1#





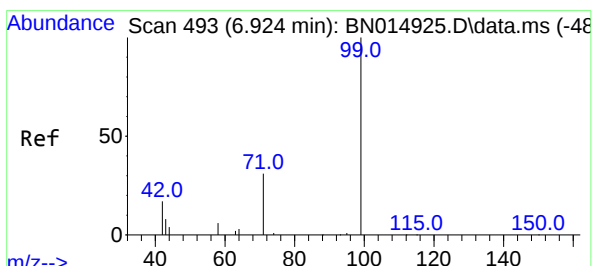
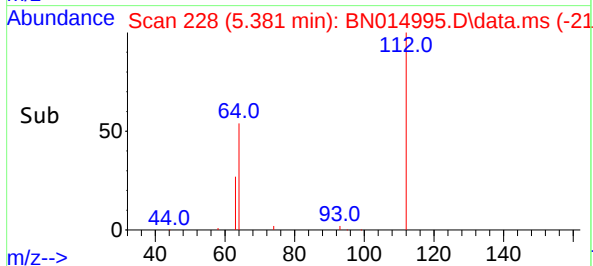
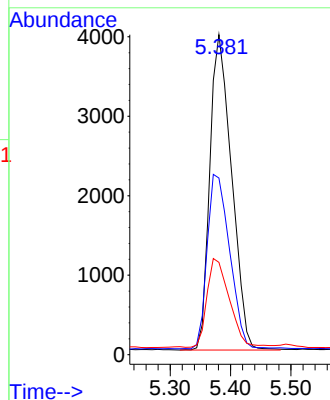
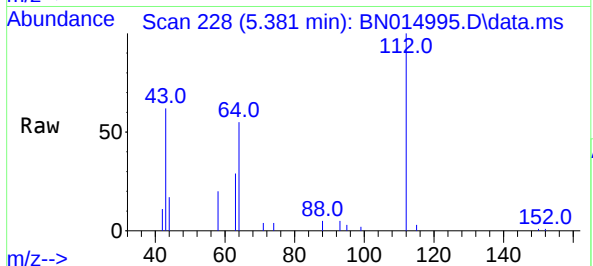
#4  
2-Fluorophenol  
Concen: 0.150 ng  
RT: 5.381 min Scan# 228  
Delta R.T. 0.006 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 9952  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 57.1  | 39.0  | 58.6  |
| 63       | 29.2  | 20.6  | 30.8  |

Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

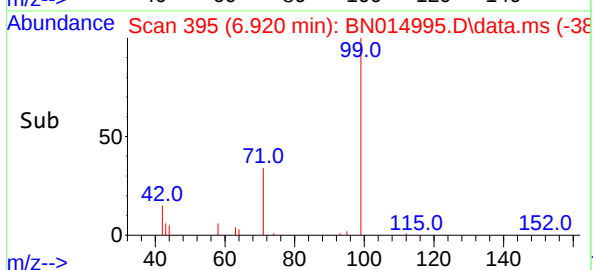
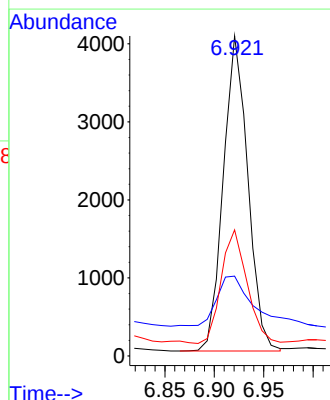
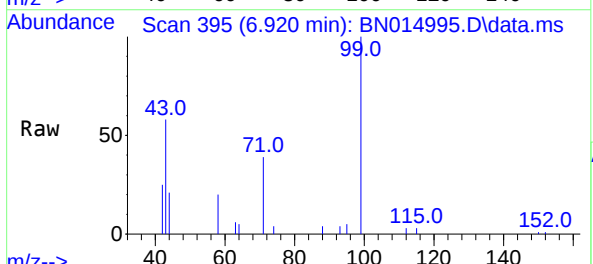
Manual Integrations  
APPROVED

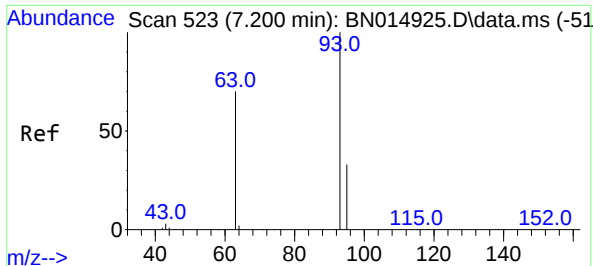
mohammad  
6/23/2021 4:50:52 PM



#5  
Phenol-d6  
Concen: 0.083 ng  
RT: 6.920 min Scan# 395  
Delta R.T. -0.003 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 6949  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 23.3  | 8.9   | 13.3  |
| 71       | 38.1  | 35.6  | 53.4  |





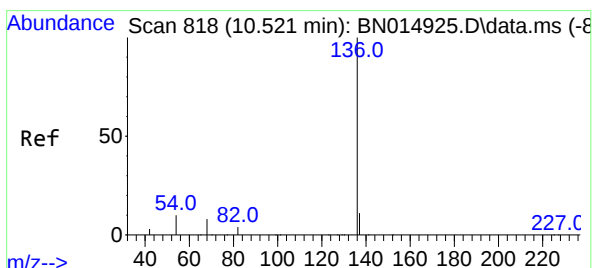
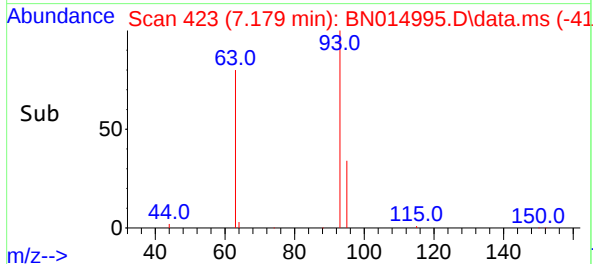
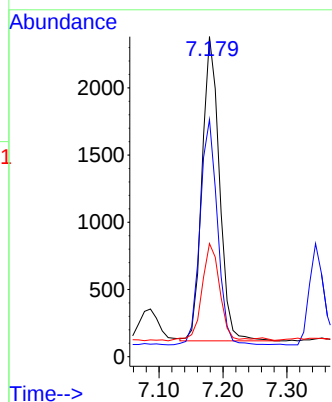
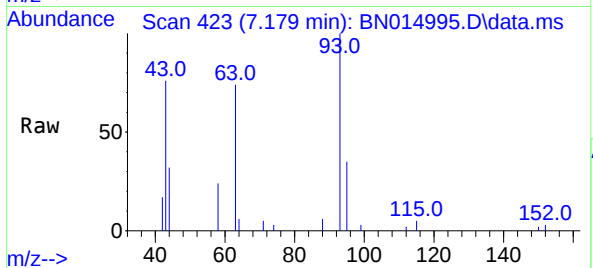
#6  
bis(2-Chloroethyl)ether  
Concen: 0.065 ng  
RT: 7.179 min Scan# 423  
Delta R.T. -0.022 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

Tgt Ion: 93 Resp: 4268  
Ion Ratio Lower Upper  
93 100  
63 74.3 46.6 70.0#  
95 33.2 28.6 42.8

Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

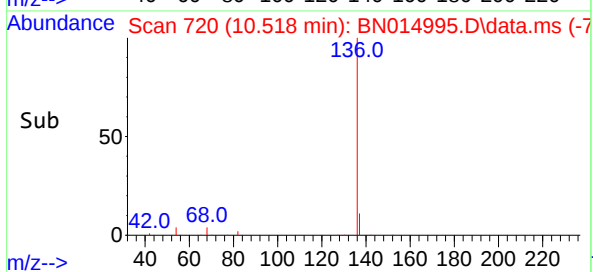
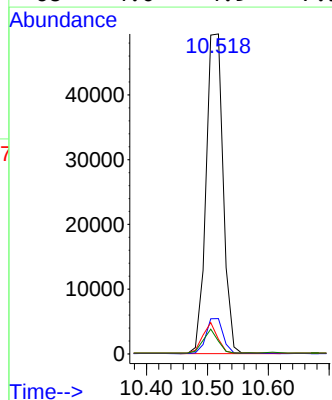
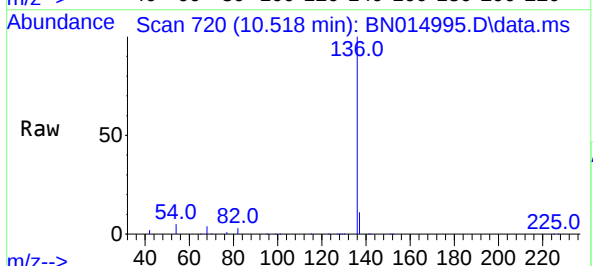
Manual Integrations  
APPROVED

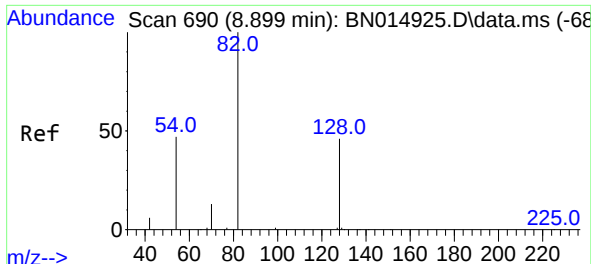
mohammad  
6/23/2021 4:50:52 PM



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.518 min Scan# 720  
Delta R.T. -0.003 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

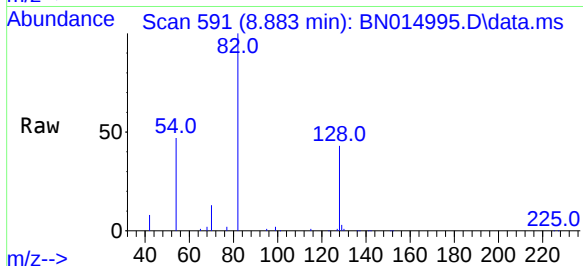
Tgt Ion: 136 Resp: 96522  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.8 14.8  
54 4.6 5.4 8.2#  
68 4.0 4.9 7.3#





#8  
Nitrobenzene-d5  
Concen: 0.369 ng  
RT: 8.883 min Scan# 591  
Delta R.T. -0.016 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

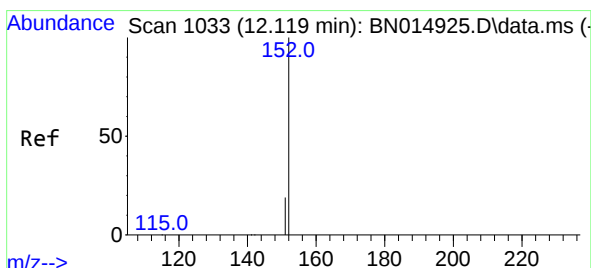
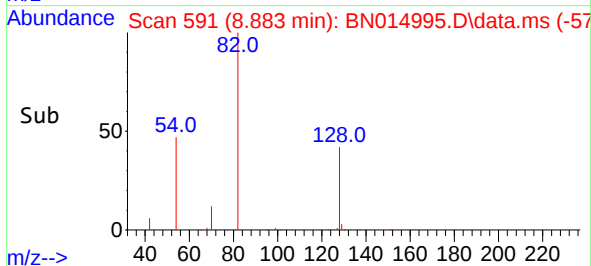
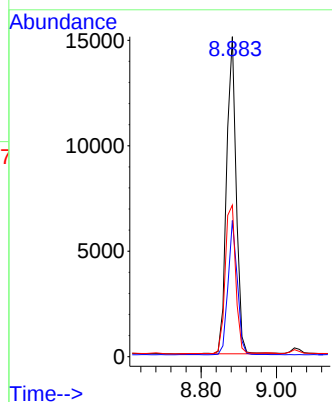
Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616



Tgt Ion: 82 Resp: 26902  
Ion Ratio Lower Upper  
82 100  
128 42.5 31.6 47.4  
54 47.3 29.0 43.4#

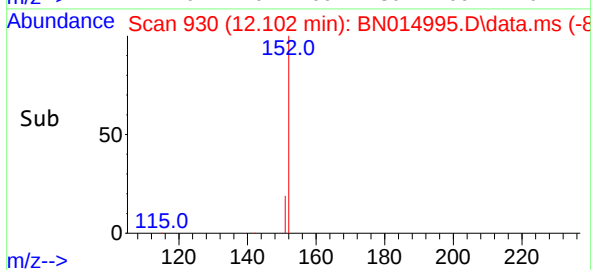
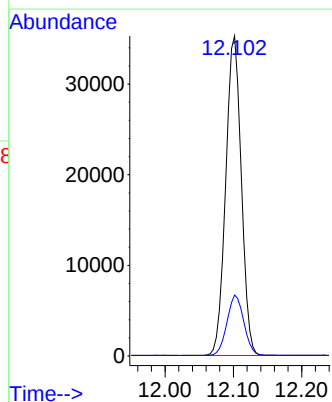
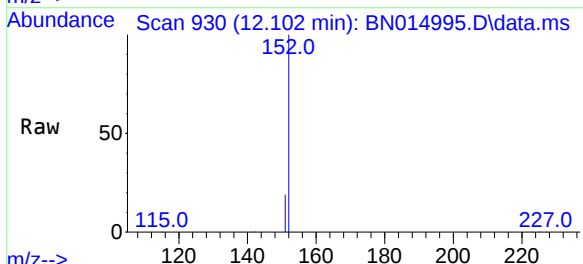
Manual Integrations  
APPROVED

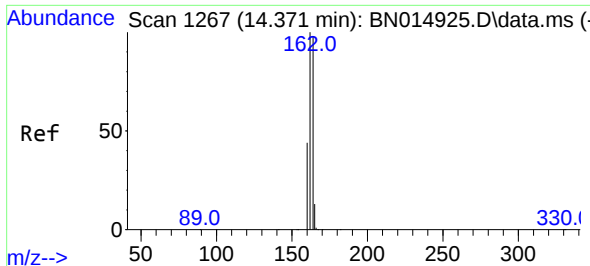
mohammad  
6/23/2021 4:50:52 PM



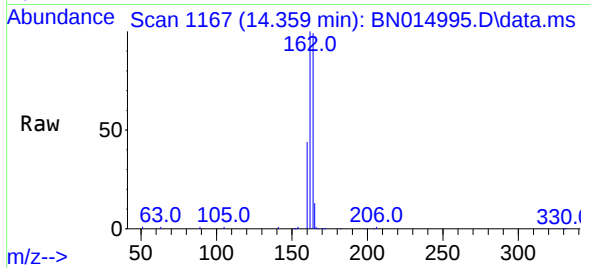
#11  
2-Methylnaphthalene-d10  
Concen: 0.336 ng  
RT: 12.102 min Scan# 930  
Delta R.T. -0.017 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

Tgt Ion: 152 Resp: 55681  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.7 25.1

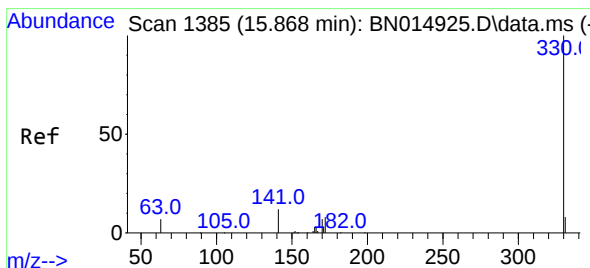
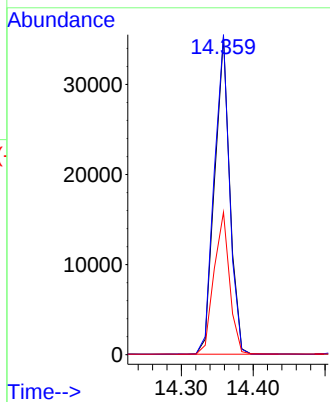
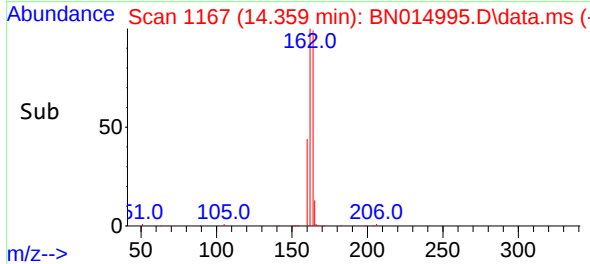




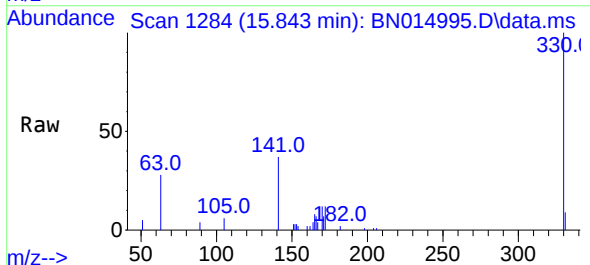
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.359 min Scan# 1167  
Delta R.T. -0.012 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57



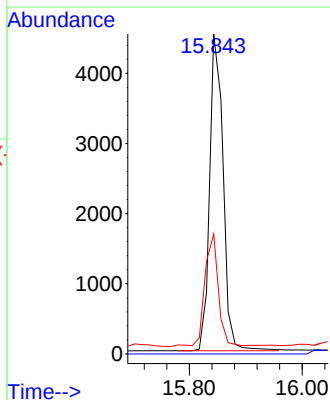
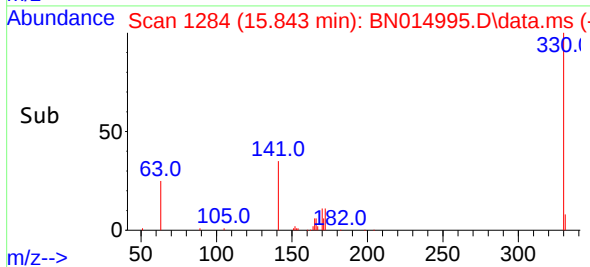
Tgt Ion:164 Resp: 51610  
Ion Ratio Lower Upper  
164 100  
162 100.7 83.8 125.6  
160 44.8 37.4 56.0



#14  
2,4,6-Tribromophenol  
Concen: 0.307 ng  
RT: 15.843 min Scan# 1284  
Delta R.T. -0.025 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57



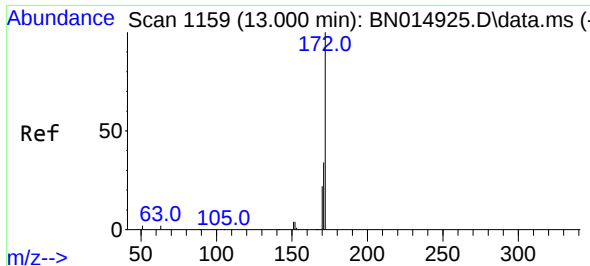
Tgt Ion:330 Resp: 7444  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 34.0 22.4 33.6#



Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

Manual Integrations  
APPROVED

mohammad  
6/23/2021 4:50:52 PM



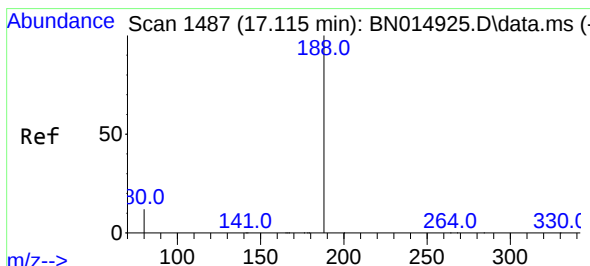
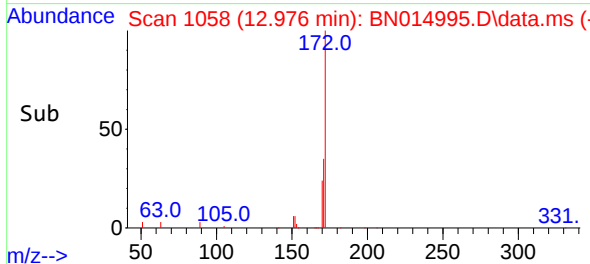
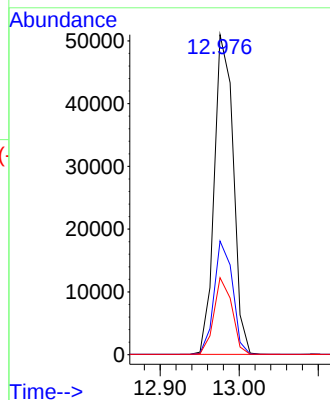
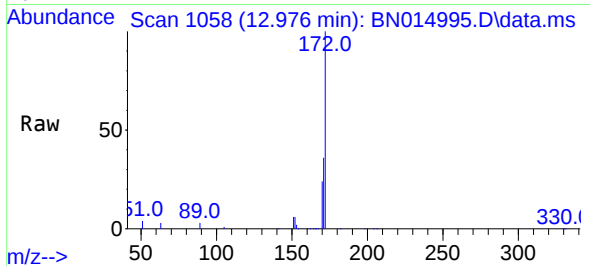
#15  
2-Fluorobiphenyl  
Concen: 0.434 ng  
RT: 12.976 min Scan# 1058  
Delta R.T. -0.025 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 85048 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.5  | 30.6  | 45.8  |
| 170       | 24.1  | 20.2  | 30.4  |

Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

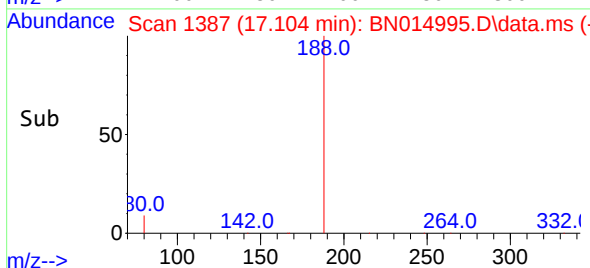
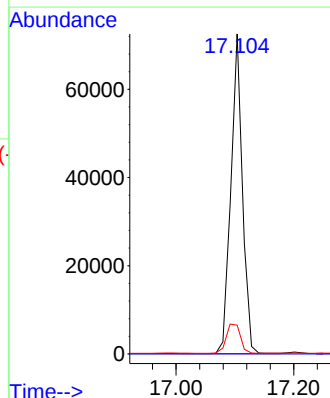
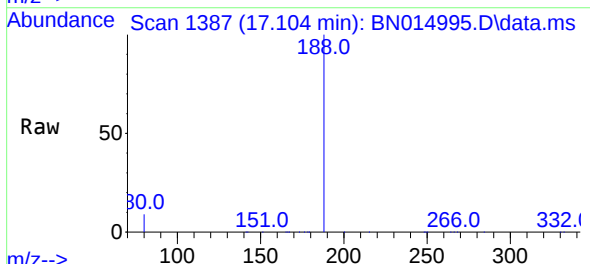
Manual Integrations  
APPROVED

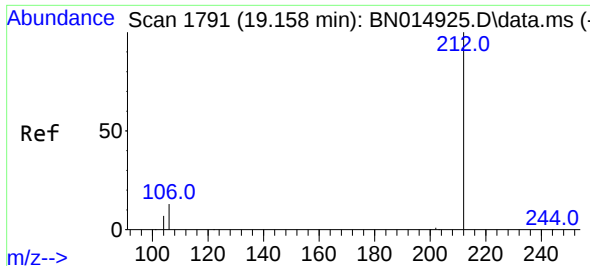
mohammad  
6/23/2021 4:50:52 PM



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.104 min Scan# 1387  
Delta R.T. -0.012 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

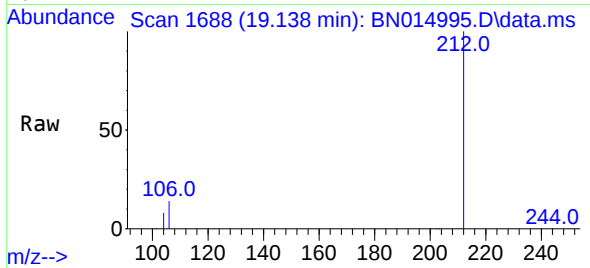
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 99218 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 9.0   | 9.0   | 13.4  |





#27  
Fluoranthene-d10  
Concen: 0.352 ng  
RT: 19.138 min Scan# 1688  
Delta R.T. -0.019 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

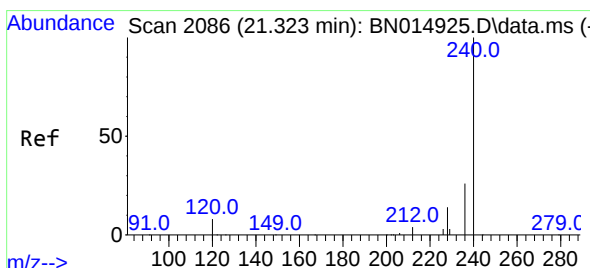
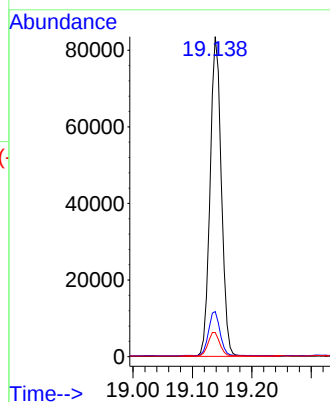
Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616



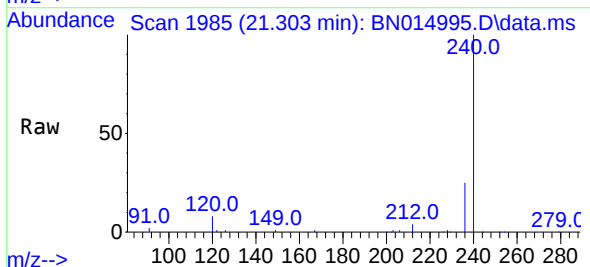
Tgt Ion:212 Resp: 109975  
Ion Ratio Lower Upper  
212 100  
106 14.1 7.0 10.6#  
104 7.6 4.1 6.1#

Manual Integrations  
APPROVED

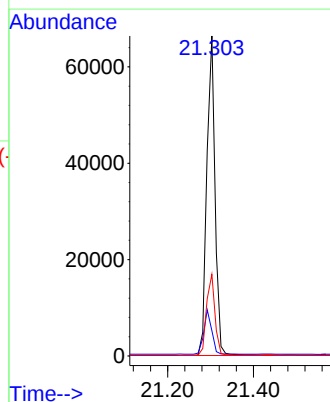
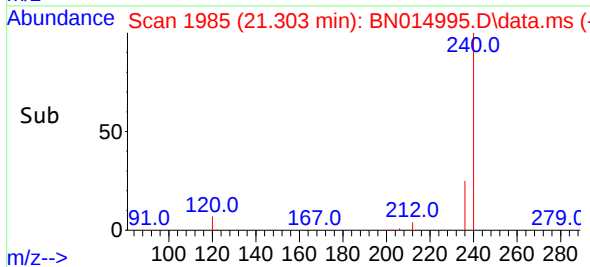
mohammad  
6/23/2021 4:50:52 PM

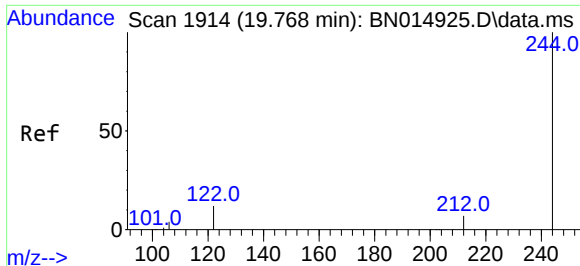


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.303 min Scan# 1985  
Delta R.T. -0.021 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

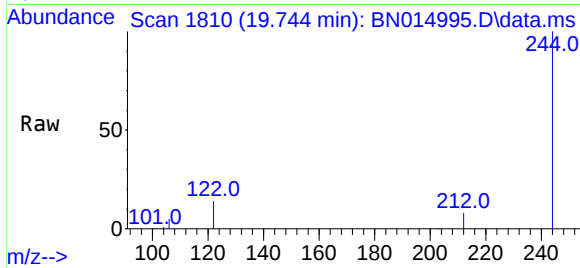


Tgt Ion:240 Resp: 88381  
Ion Ratio Lower Upper  
240 100  
120 7.9 4.2 6.4#  
236 25.5 21.4 32.2

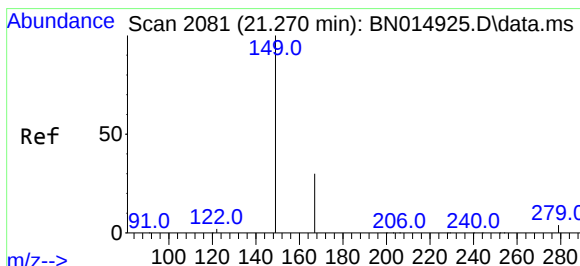
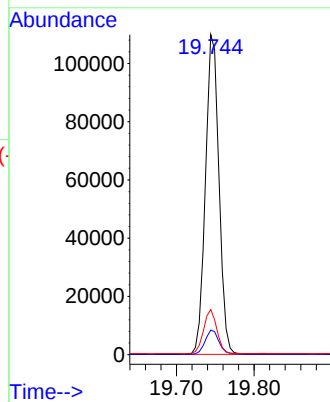
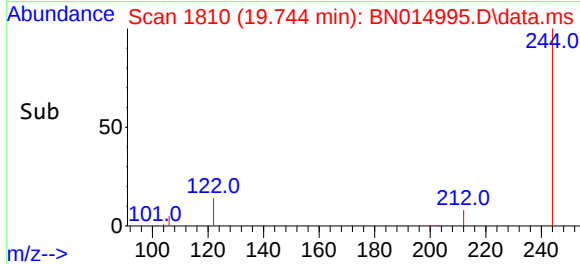




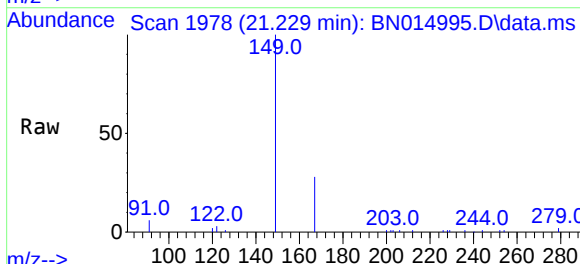
#31  
Terphenyl-d14  
Concen: 0.609 ng  
RT: 19.744 min Scan# 1810  
Delta R.T. -0.024 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57



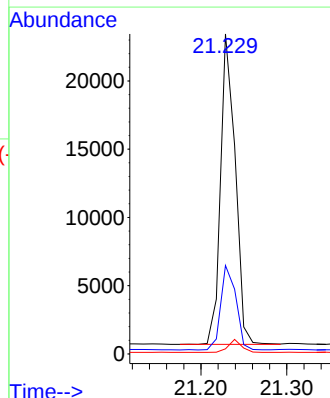
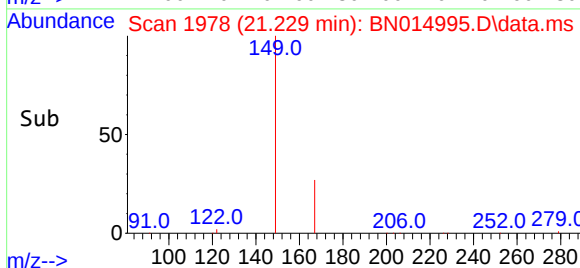
Tgt Ion:244 Resp: 133443  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.3 9.5  
122 14.1 6.2 9.2#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.116 ng  
RT: 21.229 min Scan# 1978  
Delta R.T. -0.042 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57



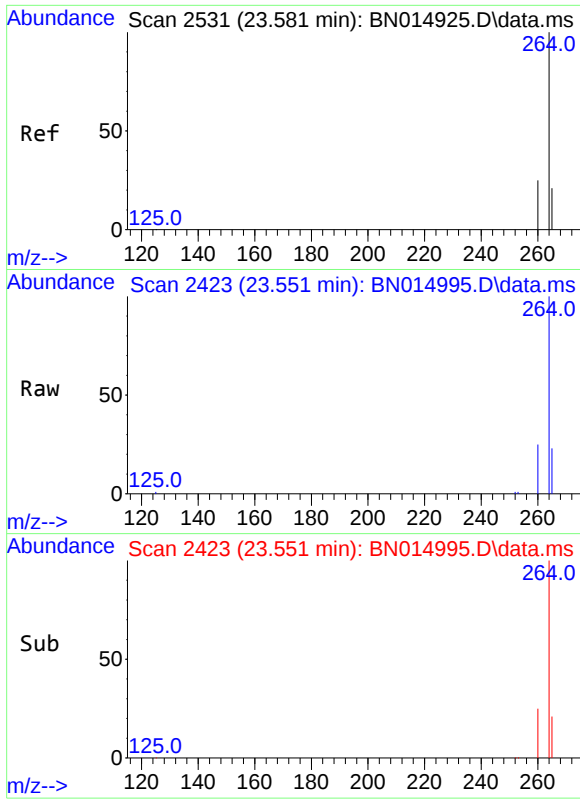
Tgt Ion:149 Resp: 26977  
Ion Ratio Lower Upper  
149 100  
167 28.2 28.9 43.3#  
279 3.7 4.9 7.3#



Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

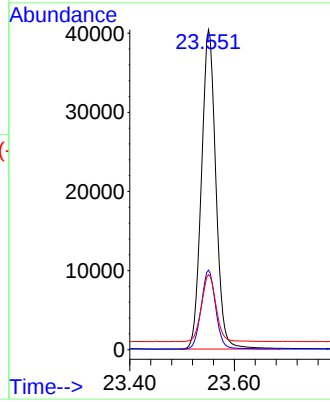
Manual Integrations  
APPROVED

mohammad  
6/23/2021 4:50:52 PM



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.551 min Scan# 2423  
Delta R.T. -0.030 min  
Lab File: BN014995.D  
Acq: 23 Jun 2021 06:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 77509     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.9  | 20.6 31.0 |
| 265         | 23.5  | 21.4 32.2 |



Instrument :  
BNA\_N  
ClientSampleId :  
MW179D2-20210616

Manual Integrations  
APPROVED

mohammad  
6/23/2021 4:50:52 PM