

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081622\  
 Data File : BN021252.D  
 Acq On : 16 Aug 2022 11:10  
 Operator : CG/JU  
 Sample : N4197-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-203-IDWSO-20220811-2

Quant Time: Aug 16 11:53:01 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 16 09:19:59 2022  
 Response via : Initial Calibration

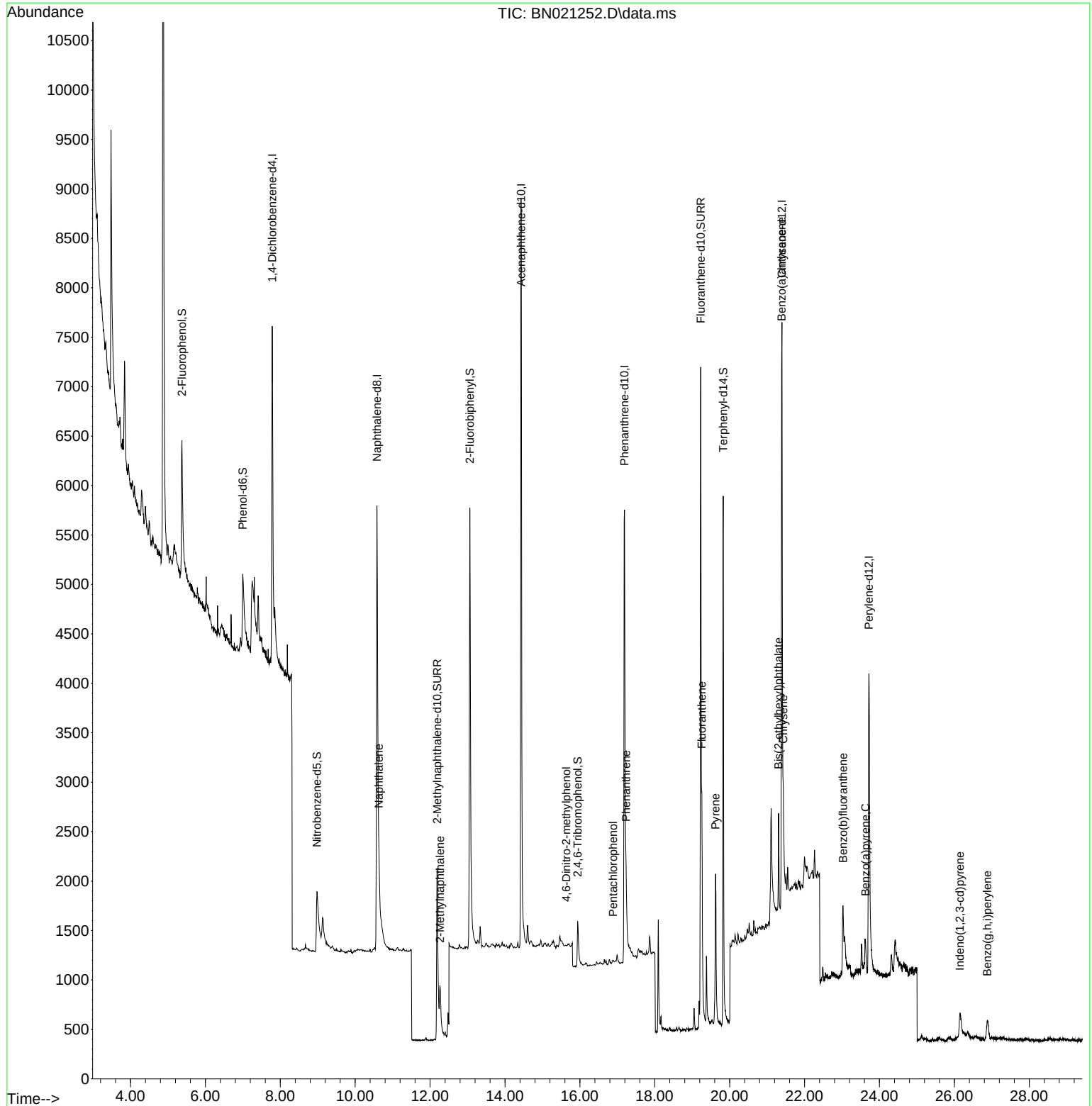
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.783  | 152  | 2648     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.581 | 136  | 9486     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.429 | 164  | 5205     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.192 | 188  | 9743     | 0.400 | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.395 | 240  | 7173     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.717 | 264  | 5469     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.371  | 112  | 1998     | 0.302 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.996  | 99   | 1718     | 0.223 | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 8.980  | 82   | 1284     | 0.276 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.187 | 152  | 4057     | 0.246 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.941 | 330  | 366      | 0.215 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.060 | 172  | 5436     | 0.263 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.227 | 212  | 9036     | 0.342 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.826 | 244  | 6799     | 0.348 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.635 | 128  | 585      | 0.020 | ng    | # 56     |
| 12) 2-Methylnaphthalene       | 12.266 | 142  | 547      | 0.028 | ng    | # 91     |
| 20) 4,6-Dinitro-2-methylph... | 15.637 | 198  | 1        | 0.254 | ng    | # 2      |
| 24) Pentachlorophenol         | 16.885 | 266  | 41       | 0.027 | ng    | # 77     |
| 25) Phenanthrene              | 17.233 | 178  | 778      | 0.024 | ng    | 99       |
| 28) Fluoranthene              | 19.256 | 202  | 2018     | 0.060 | ng    | # 95     |
| 30) Pyrene                    | 19.623 | 202  | 1777     | 0.048 | ng    | 97       |
| 32) Benzo(a)anthracene        | 21.386 | 228  | 656      | 0.028 | ng    | # 76     |
| 33) Chrysene                  | 21.431 | 228  | 865      | 0.030 | ng    | # 81     |
| 34) Bis(2-ethylhexyl)phtha... | 21.305 | 149  | 968      | 0.061 | ng    | # 97     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.146 | 276  | 532      | 0.022 | ng    | # 75     |
| 37) Benzo(b)fluoranthene      | 23.027 | 252  | 961      | 0.042 | ng    | # 6      |
| 39) Benzo(a)pyrene            | 23.626 | 252  | 476      | 0.025 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.877 | 276  | 518      | 0.024 | ng    | # 55     |
| -----                         |        |      |          |       |       |          |

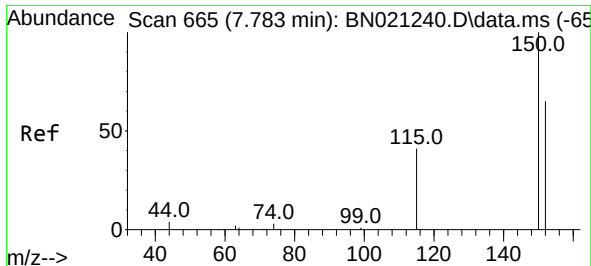
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081622\  
Data File : BN021252.D  
Acq On : 16 Aug 2022 11:10  
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Sample : N4197-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
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TT-203-IDWSO-20220811-2

Quant Time: Aug 16 11:53:01 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 16 09:19:59 2022  
Response via : Initial Calibration

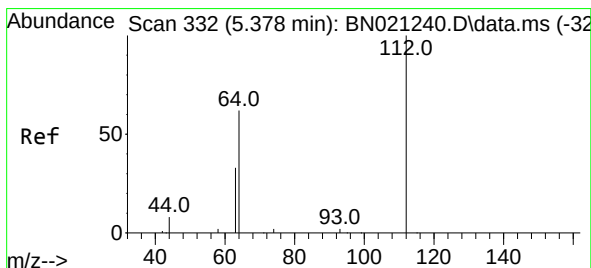
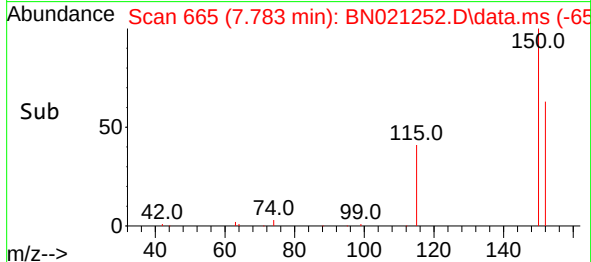
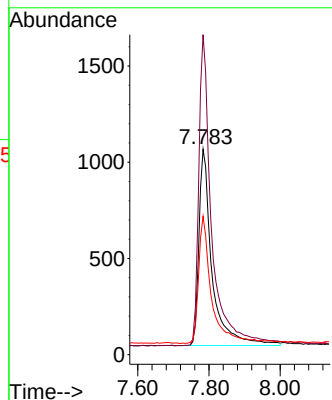
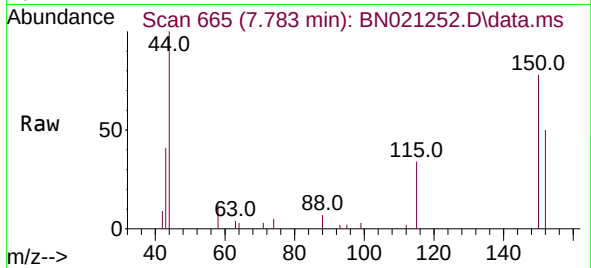




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.783 min Scan# 665  
 Delta R.T. 0.000 min  
 Lab File: BN021252.D  
 Acq: 16 Aug 2022 11:10

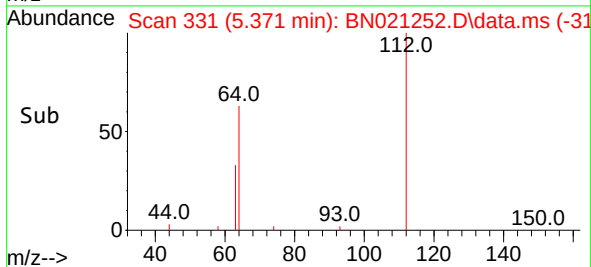
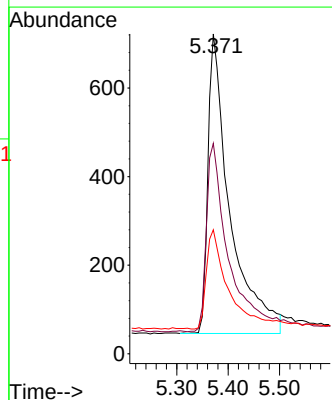
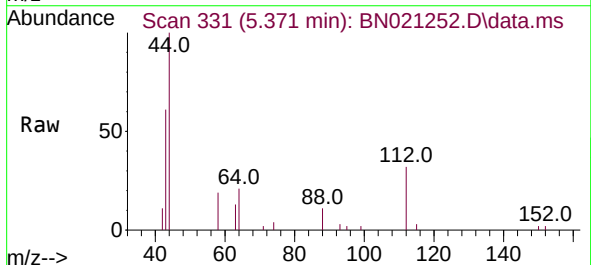
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-203-IDWSO-20220811-2

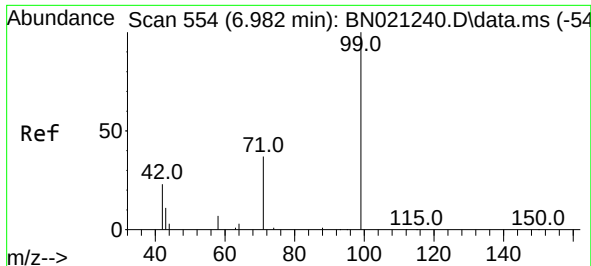
Tgt Ion:152 Resp: 2648  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 123.1 184.7  
 115 67.3 52.2 78.4



#4  
 2-Fluorophenol  
 Concen: 0.302 ng  
 RT: 5.371 min Scan# 331  
 Delta R.T. -0.007 min  
 Lab File: BN021252.D  
 Acq: 16 Aug 2022 11:10

Tgt Ion:112 Resp: 1998  
 Ion Ratio Lower Upper  
 112 100  
 64 63.9 52.0 78.0  
 63 33.9 27.5 41.3

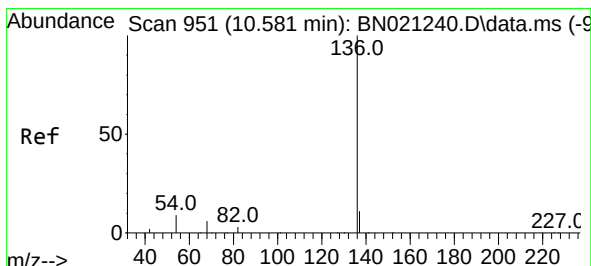
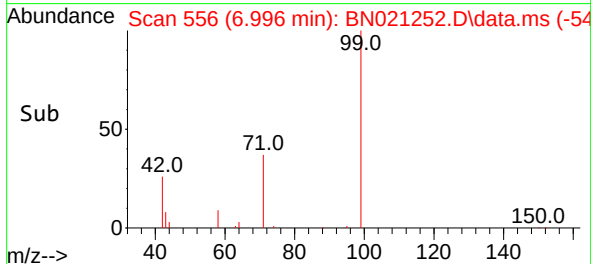
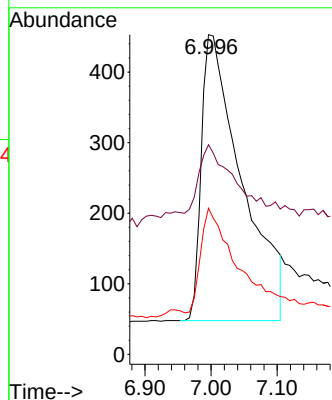
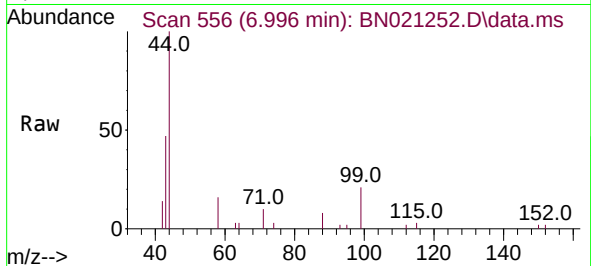




#5  
Phenol-d6  
Concen: 0.223 ng  
RT: 6.996 min Scan# 51  
Delta R.T. 0.015 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

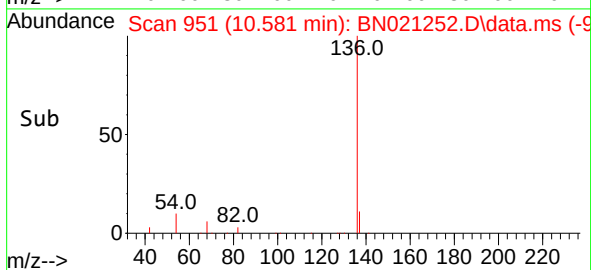
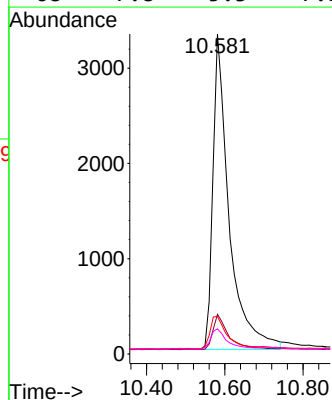
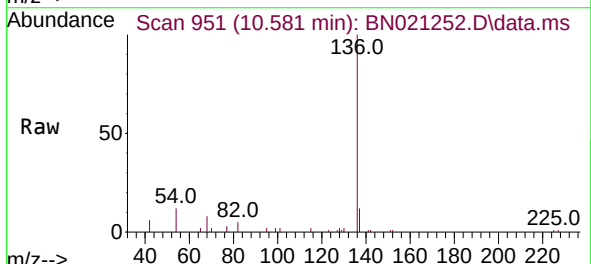
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

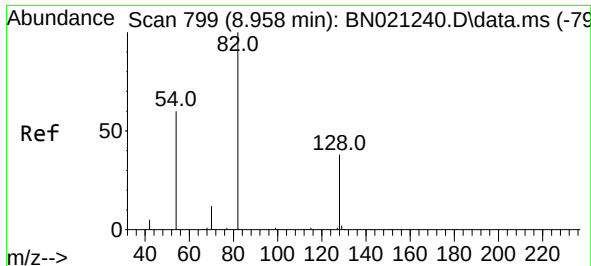
Tgt Ion: 99 Resp: 1718  
Ion Ratio Lower Upper  
99 100  
42 23.5 19.1 28.7  
71 32.7 28.9 43.3



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.581 min Scan# 951  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion: 136 Resp: 9486  
Ion Ratio Lower Upper  
136 100  
137 12.4 9.6 14.4  
54 11.7 8.2 12.2  
68 7.8 5.3 7.9

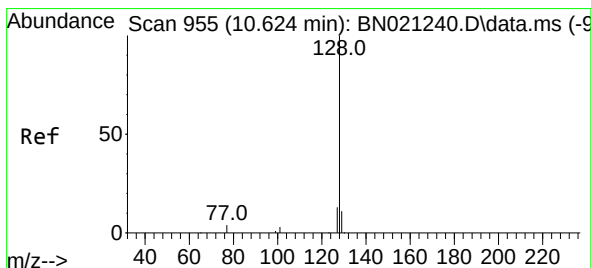
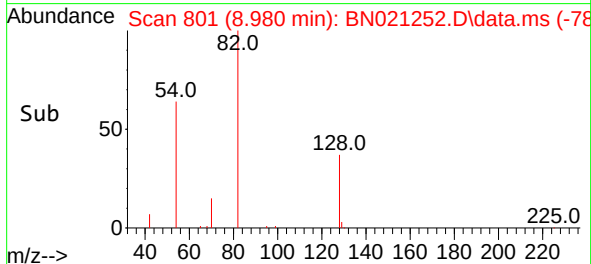
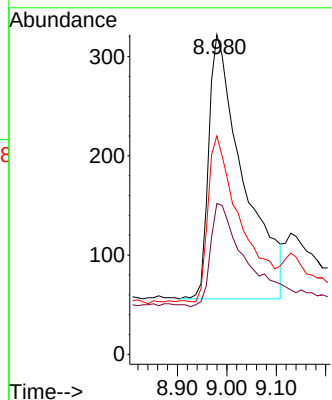
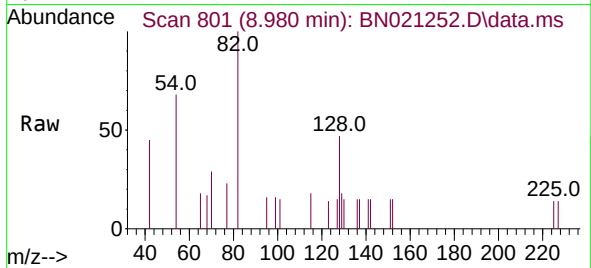




#8  
Nitrobenzene-d5  
Concen: 0.276 ng  
RT: 8.980 min Scan# 801  
Delta R.T. 0.022 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

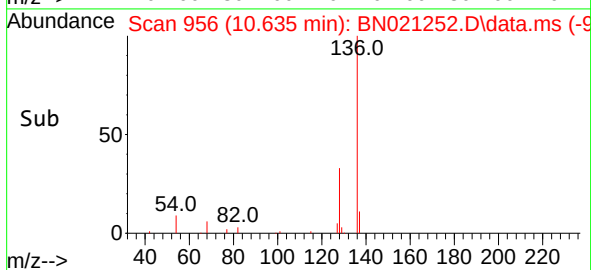
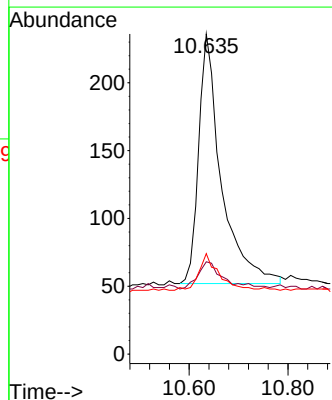
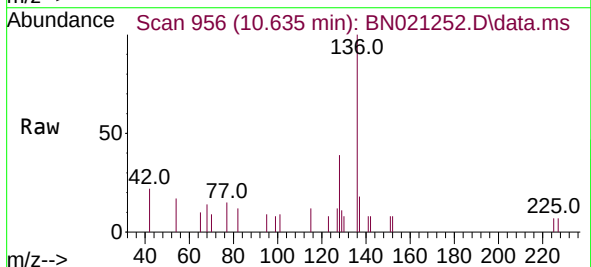
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

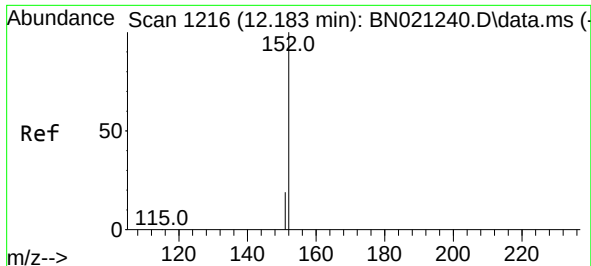
Tgt Ion: 82 Resp: 1284  
Ion Ratio Lower Upper  
82 100  
128 47.2 33.6 50.4  
54 68.3 50.2 75.2



#9  
Naphthalene  
Concen: 0.020 ng  
RT: 10.635 min Scan# 956  
Delta R.T. 0.011 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion: 128 Resp: 585  
Ion Ratio Lower Upper  
128 100  
129 28.8 9.4 14.0#  
127 31.4 11.0 16.6#

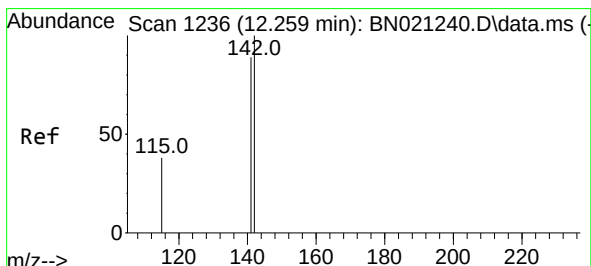
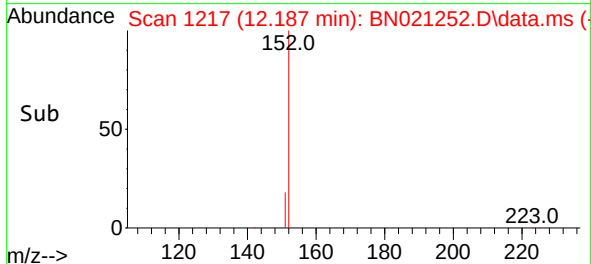
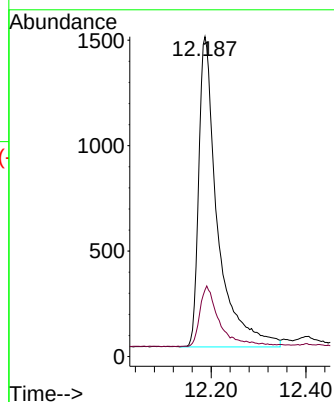
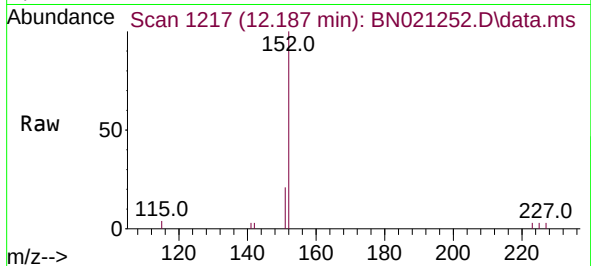




#11  
2-Methylnaphthalene-d10  
Concen: 0.246 ng  
RT: 12.187 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

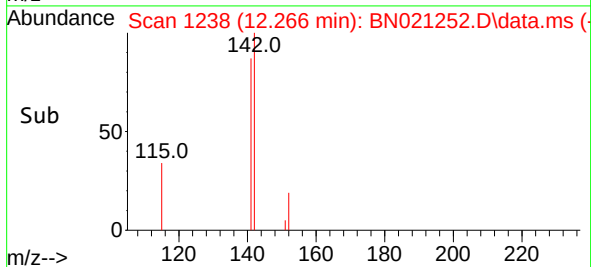
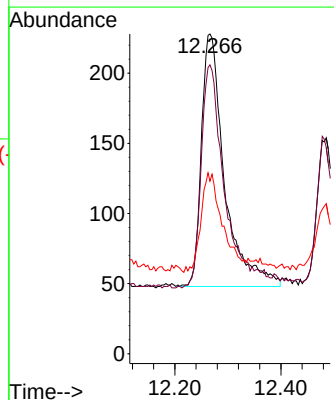
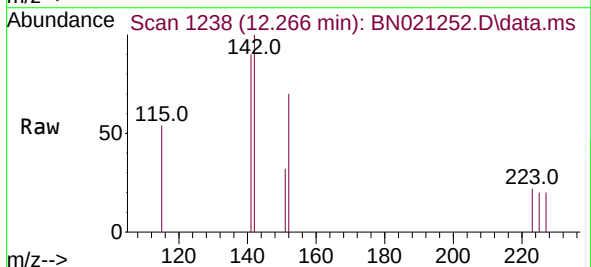
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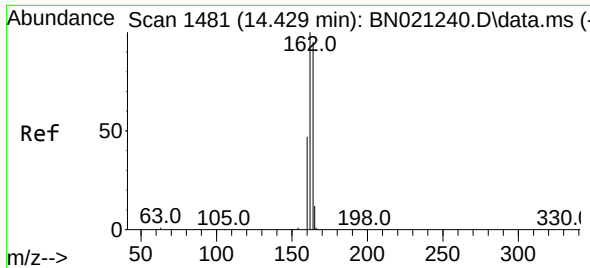
Tgt Ion:152 Resp: 4057  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.8 23.8



#12  
2-Methylnaphthalene  
Concen: 0.028 ng  
RT: 12.266 min Scan# 1238  
Delta R.T. 0.008 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:142 Resp: 547  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.0 106.6  
115 53.9 31.3 46.9#

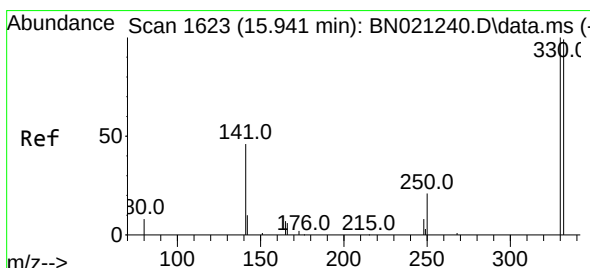
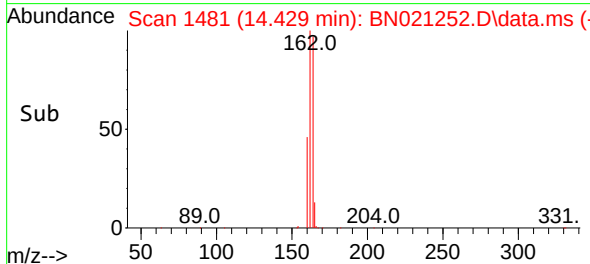
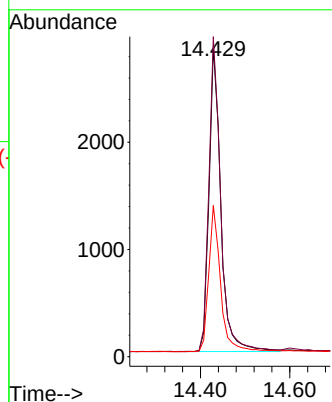
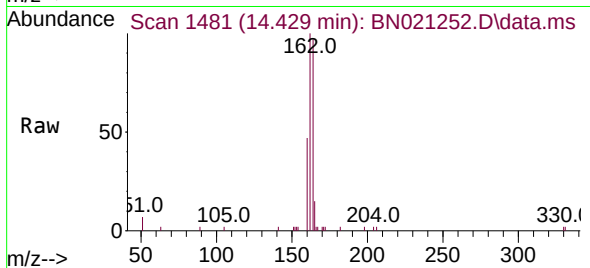




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.429 min Scan# 1481  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

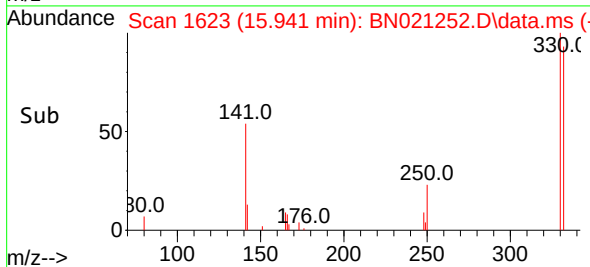
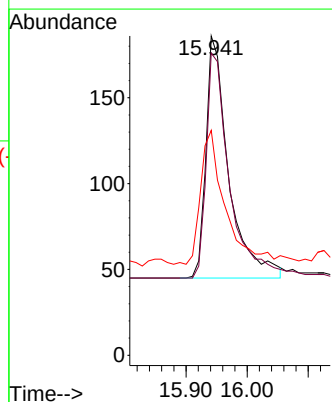
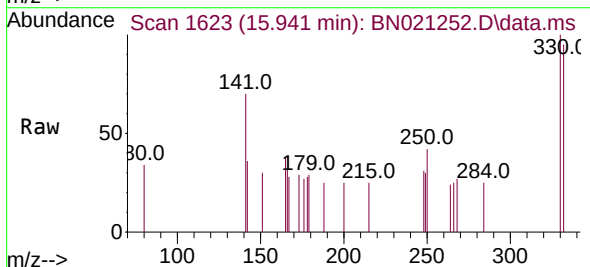
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ClientSampleId :  
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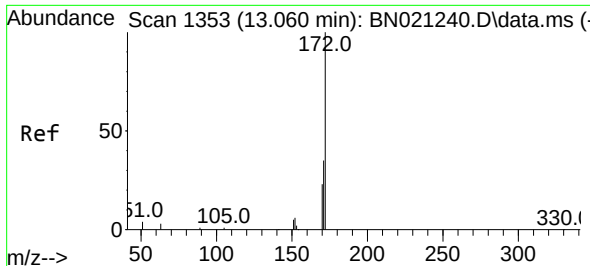
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|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 5205       |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 103.5 | 83.8 125.6 |
| 160         | 48.9  | 39.8 59.6  |



#14  
2,4,6-Tribromophenol  
Concen: 0.215 ng  
RT: 15.941 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 366        |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 94.3  | 78.1 117.1 |
| 141         | 59.3  | 45.4 68.0  |

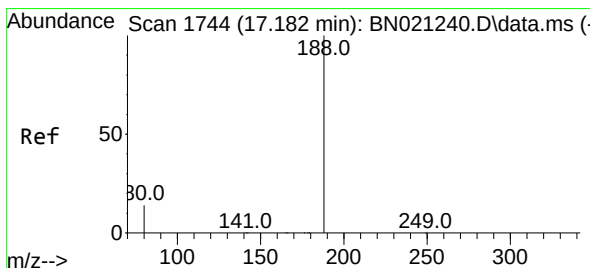
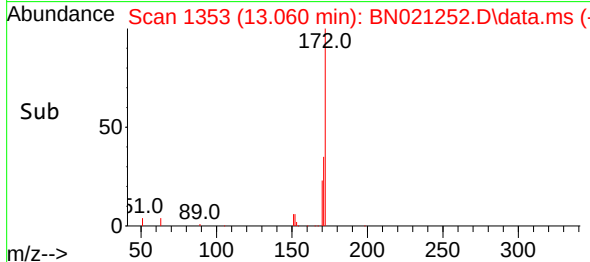
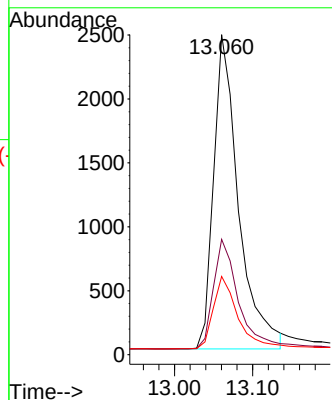
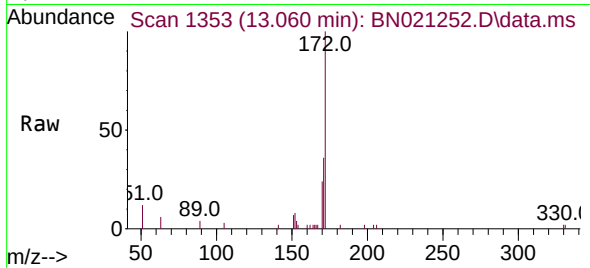




#15  
2-Fluorobiphenyl  
Concen: 0.263 ng  
RT: 13.060 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

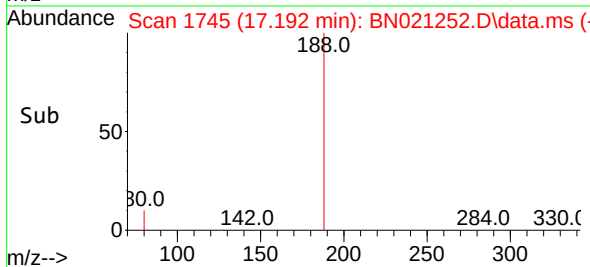
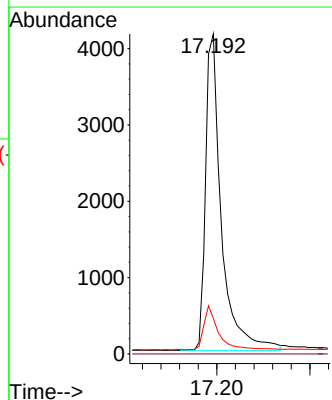
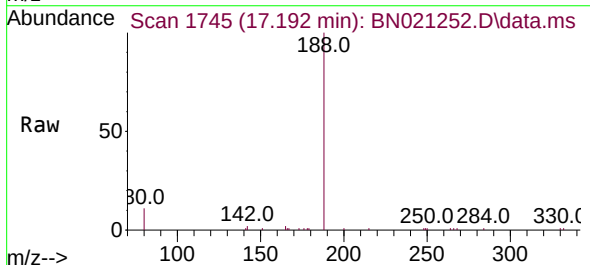
Instrument :  
BNA\_N  
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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 5436 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 36.0  | 28.4  | 42.6 |
| 170       | 24.5  | 19.0  | 28.6 |

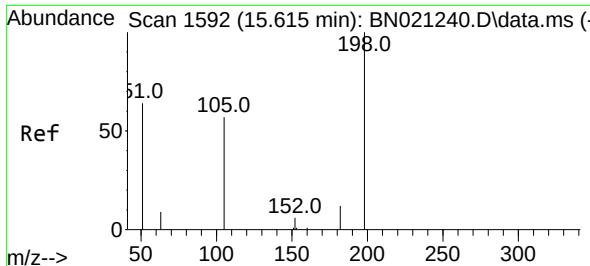


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.192 min Scan# 1745  
Delta R.T. 0.010 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 9743  |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 11.1  | 11.8  | 17.6# |



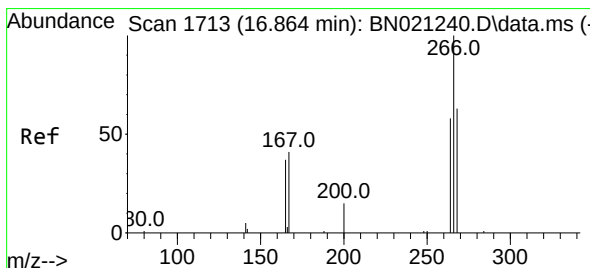
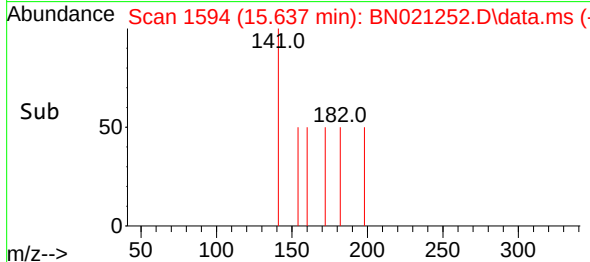
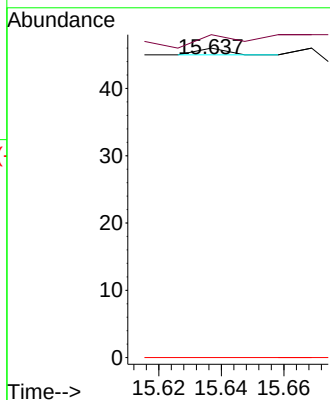
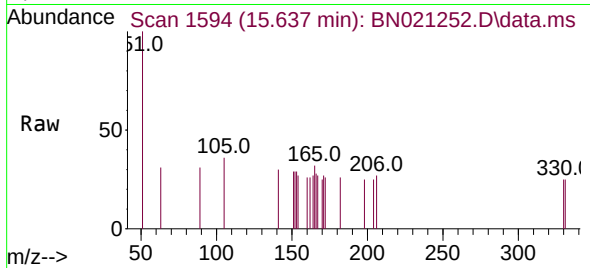




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.254 ng  
RT: 15.637 min Scan# 1594  
Delta R.T. 0.022 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

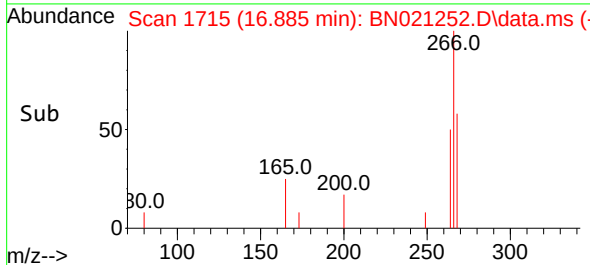
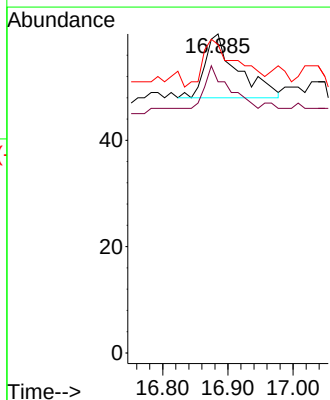
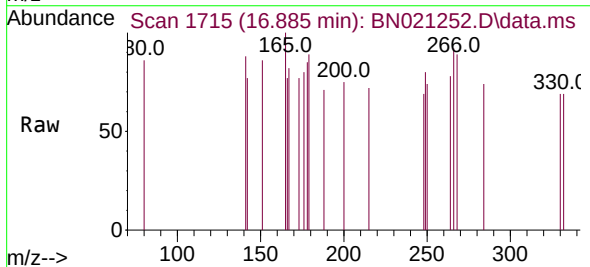
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

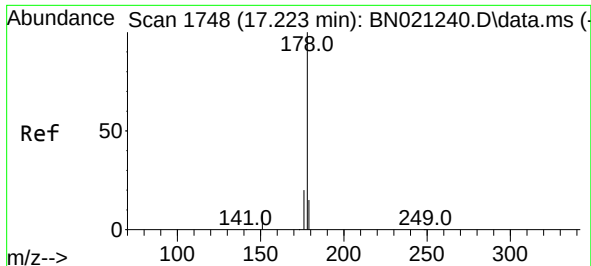
Tgt Ion:198 Resp: 1  
Ion Ratio Lower Upper  
198 100  
182 104.3 33.9 50.9#  
77 0.0 0.0 0.0



#24  
Pentachlorophenol  
Concen: 0.027 ng  
RT: 16.885 min Scan# 1715  
Delta R.T. 0.021 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:266 Resp: 41  
Ion Ratio Lower Upper  
266 100  
264 48.8 50.0 75.0#  
268 80.5 47.1 70.7#

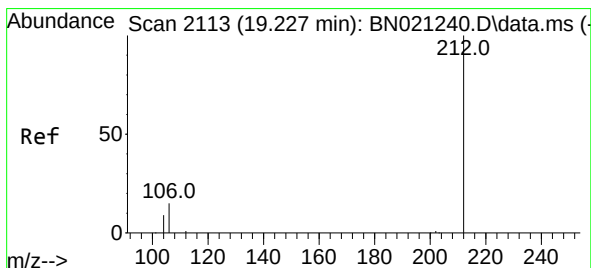
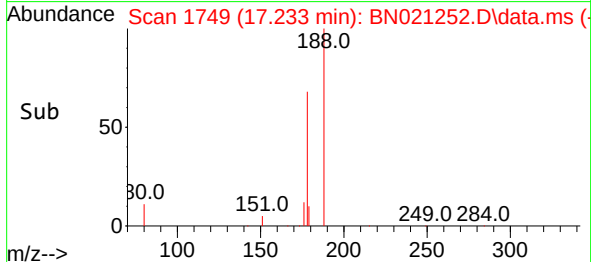
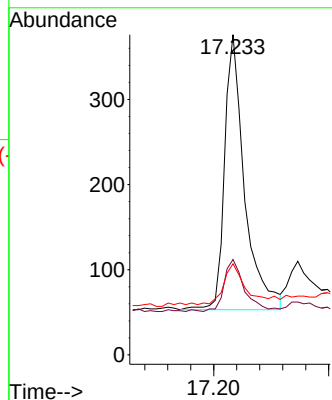
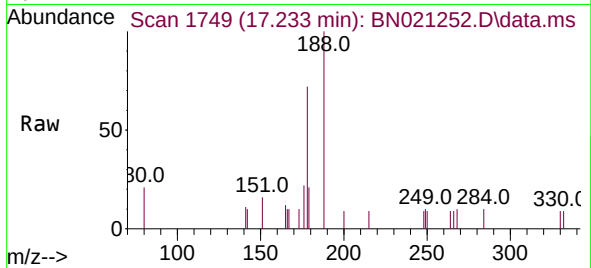




#25  
Phenanthrene  
Concen: 0.024 ng  
RT: 17.233 min Scan# 1749  
Delta R.T. 0.010 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

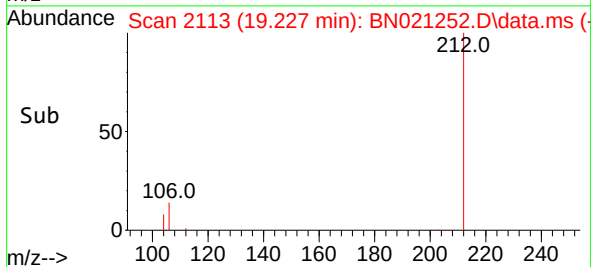
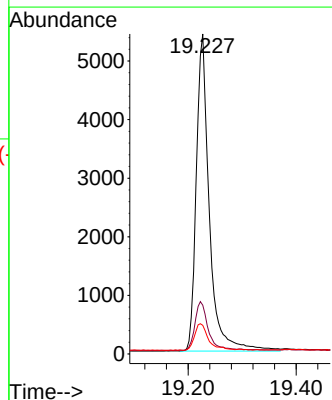
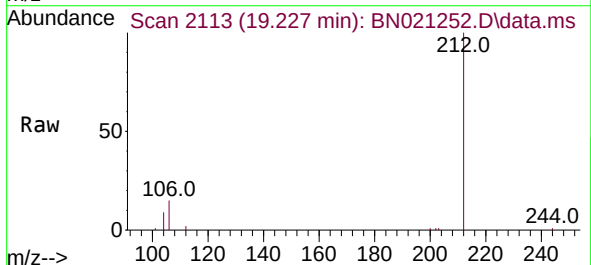
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

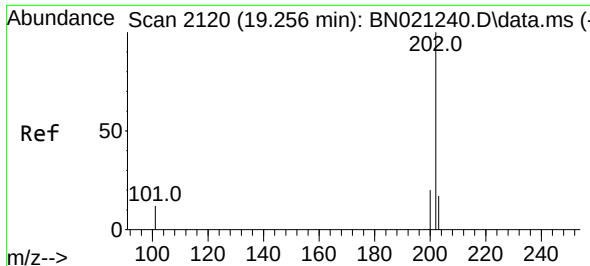
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 778   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.3  | 15.6  | 23.4  |
| 179      | 15.9  | 12.2  | 18.4  |



#27  
Fluoranthene-d10  
Concen: 0.342 ng  
RT: 19.227 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 9036  |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 15.8  | 12.6  | 18.8  |
| 104      | 8.9   | 7.2   | 10.8  |

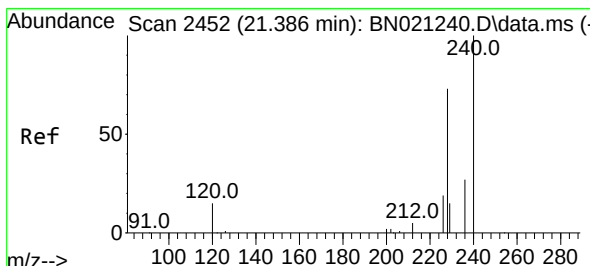
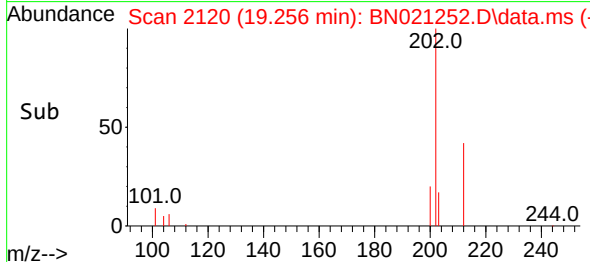
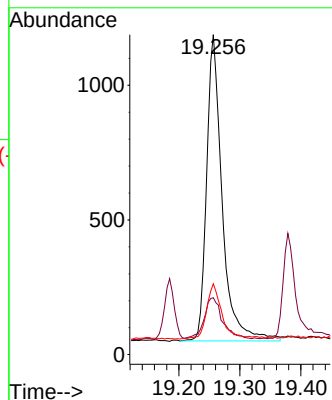
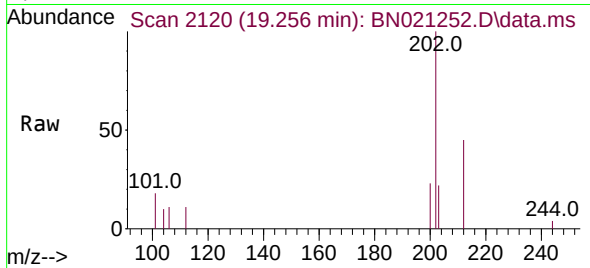




#28  
Fluoranthene  
Concen: 0.060 ng  
RT: 19.256 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

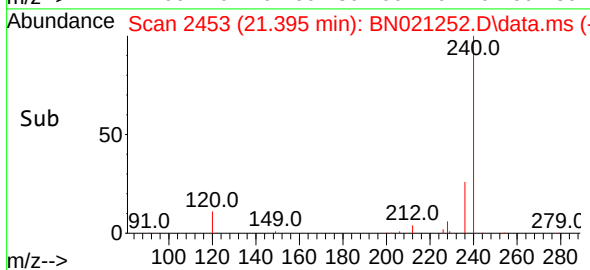
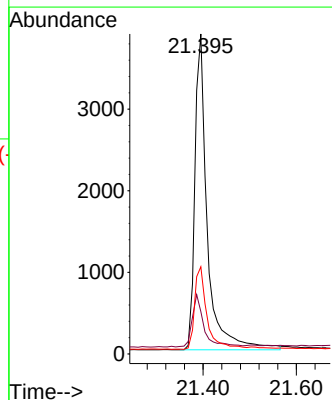
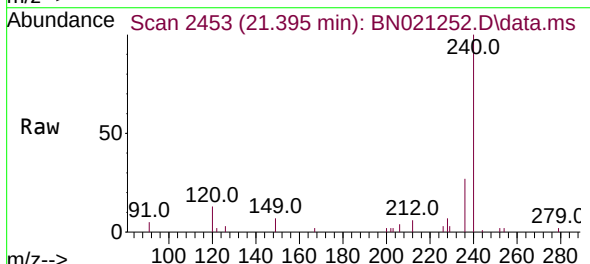
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

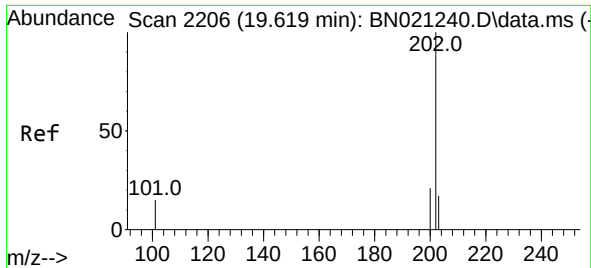
Tgt Ion:202 Resp: 2018  
Ion Ratio Lower Upper  
202 100  
101 15.8 10.1 15.1#  
203 17.4 13.3 19.9



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.395 min Scan# 2453  
Delta R.T. 0.009 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:240 Resp: 7173  
Ion Ratio Lower Upper  
240 100  
120 13.2 13.4 20.2#  
236 27.3 22.6 33.8

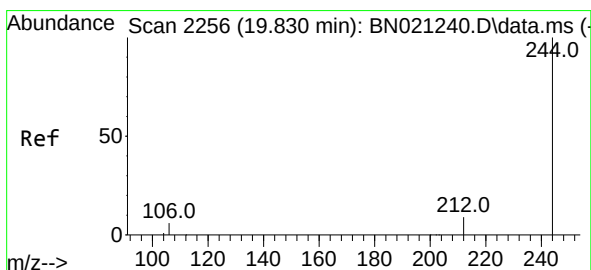
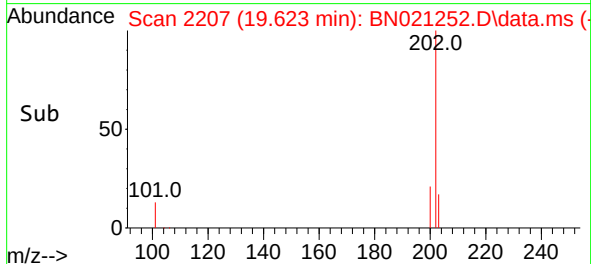
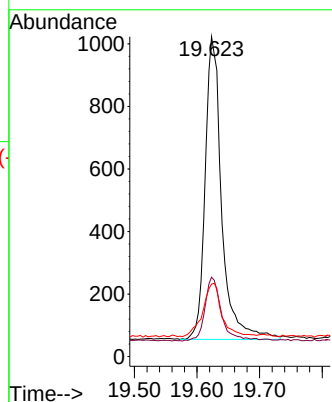
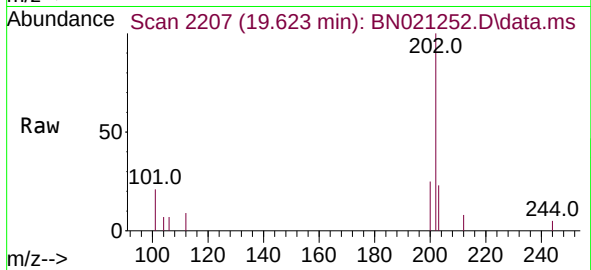




#30  
Pyrene  
Concen: 0.048 ng  
RT: 19.623 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

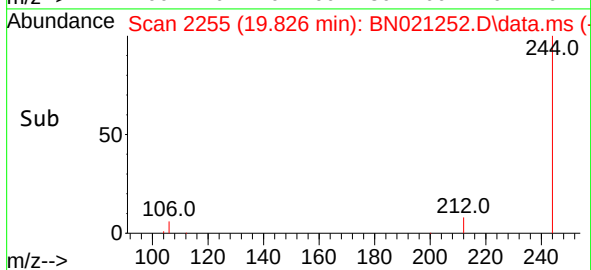
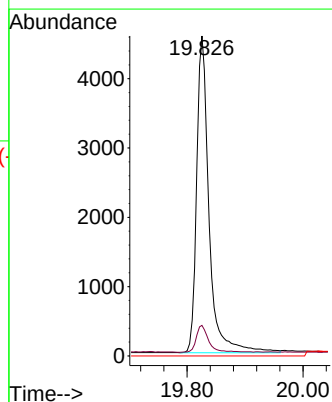
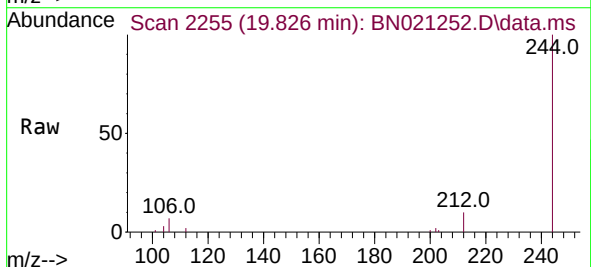
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

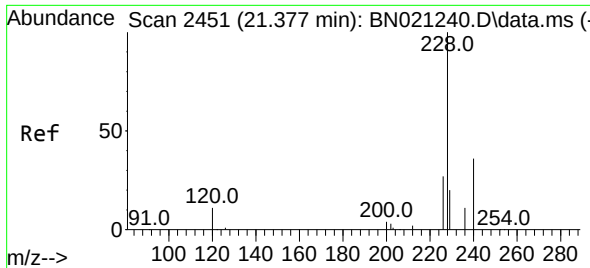
Tgt Ion:202 Resp: 1777  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.8 25.2  
203 20.0 14.2 21.4



#31  
Terphenyl-d14  
Concen: 0.348 ng  
RT: 19.826 min Scan# 2255  
Delta R.T. -0.004 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:244 Resp: 6799  
Ion Ratio Lower Upper  
244 100  
212 9.6 8.3 12.5  
122 0.0 0.0 0.0

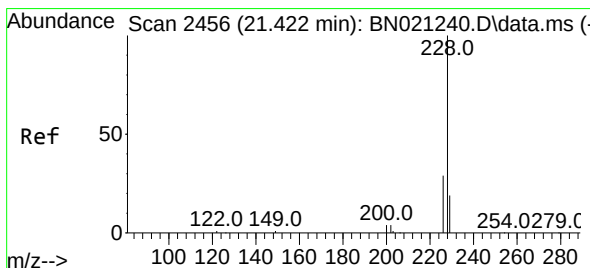
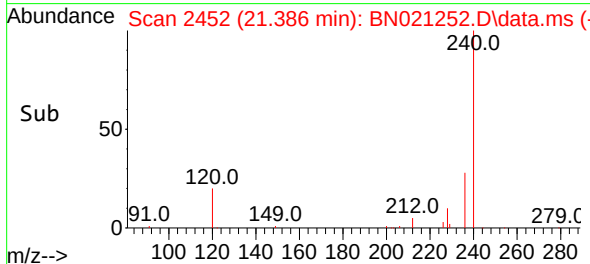
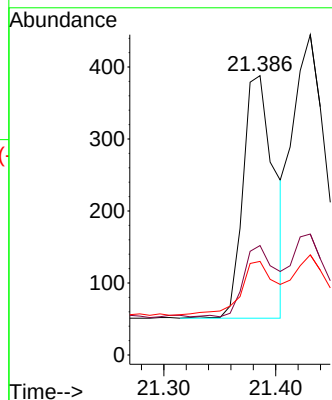
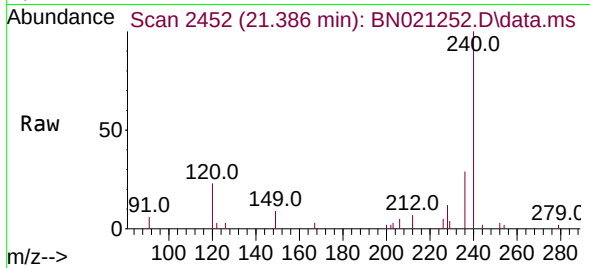




#32  
Benzo(a)anthracene  
Concen: 0.028 ng  
RT: 21.386 min Scan# 2451  
Delta R.T. 0.009 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

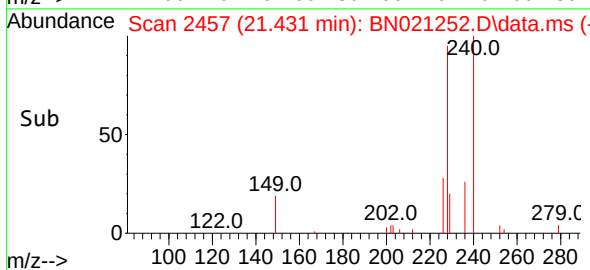
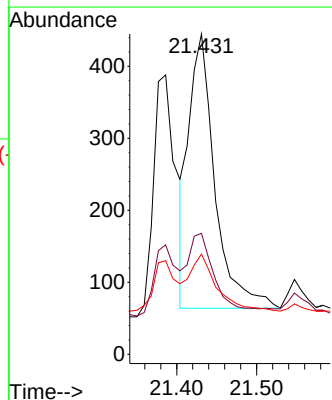
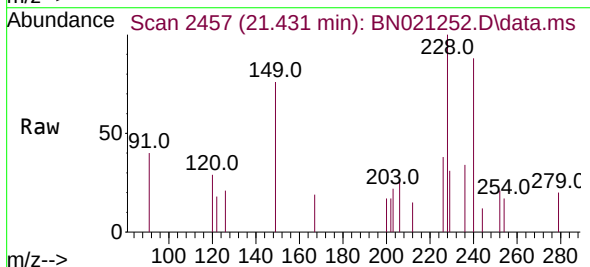
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

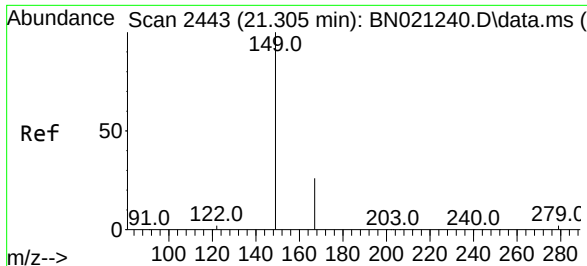
Tgt Ion:228 Resp: 656  
Ion Ratio Lower Upper  
228 100  
226 39.2 22.4 33.6#  
229 33.5 16.6 24.8#



#33  
Chrysene  
Concen: 0.030 ng  
RT: 21.431 min Scan# 2457  
Delta R.T. 0.009 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:228 Resp: 865  
Ion Ratio Lower Upper  
228 100  
226 37.8 23.8 35.8#  
229 31.2 15.9 23.9#

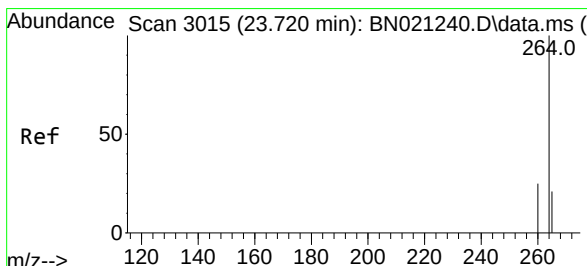
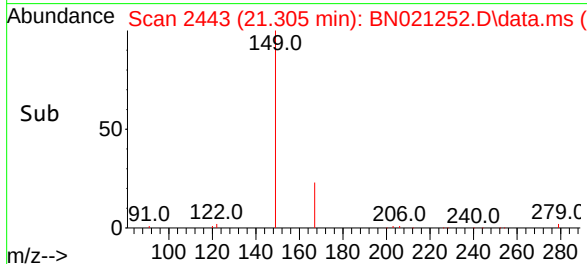
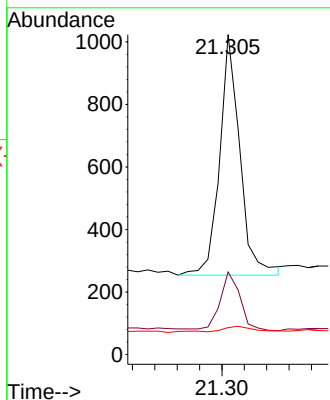
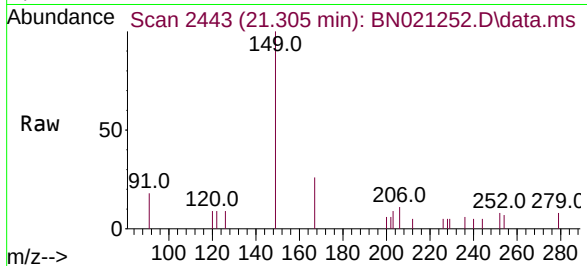




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.061 ng  
 RT: 21.305 min Scan# 2443  
 Delta R.T. 0.000 min  
 Lab File: BN021252.D  
 Acq: 16 Aug 2022 11:10

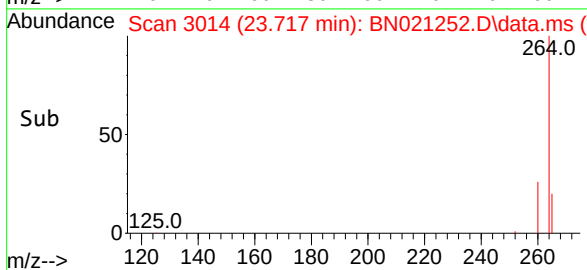
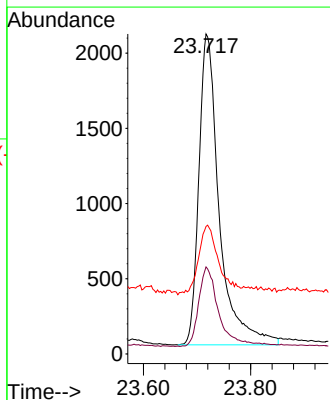
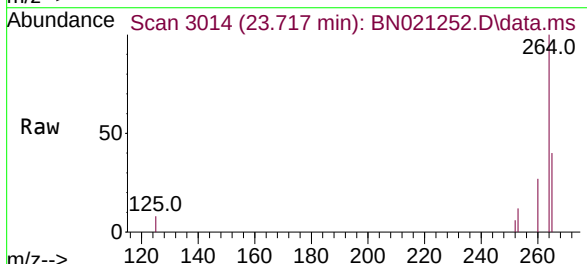
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-203-IDWSO-20220811-2

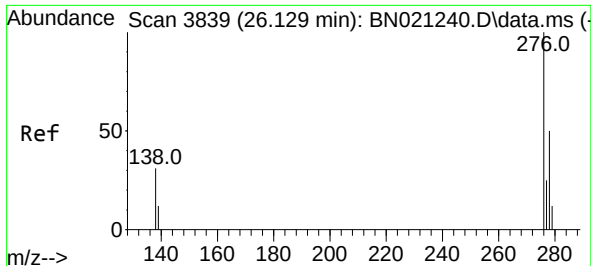
Tgt Ion:149 Resp: 968  
 Ion Ratio Lower Upper  
 149 100  
 167 24.2 20.6 31.0  
 279 4.9 2.4 3.6#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.717 min Scan# 3014  
 Delta R.T. -0.003 min  
 Lab File: BN021252.D  
 Acq: 16 Aug 2022 11:10

Tgt Ion:264 Resp: 5469  
 Ion Ratio Lower Upper  
 264 100  
 260 27.2 21.4 32.2  
 265 39.8 34.3 51.5

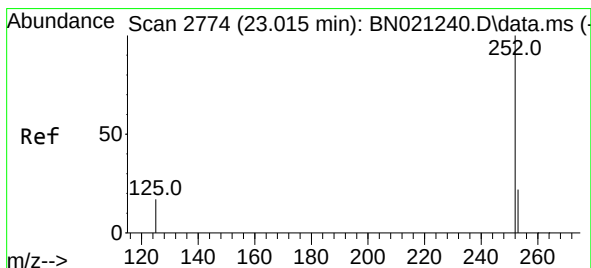
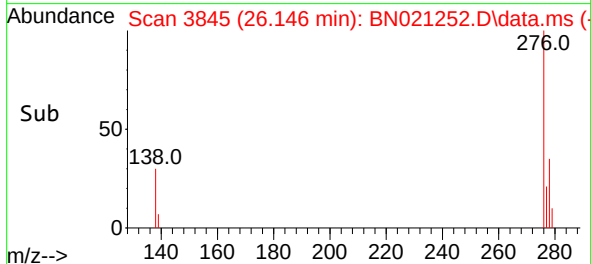
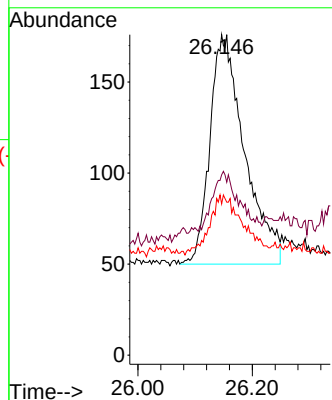
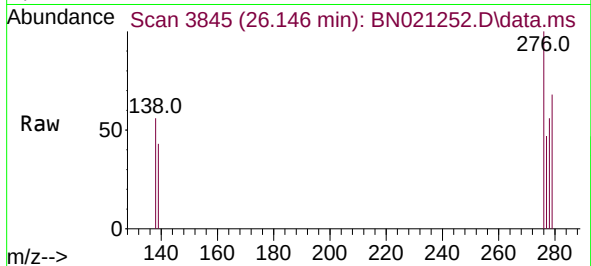




#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.022 ng  
RT: 26.146 min Scan# 3845  
Delta R.T. 0.018 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

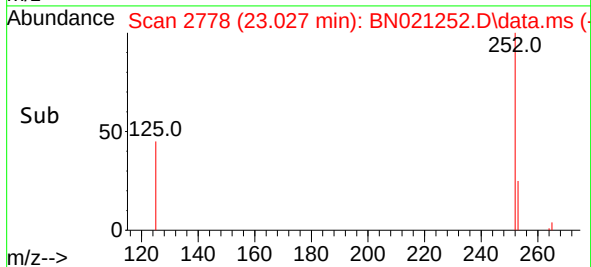
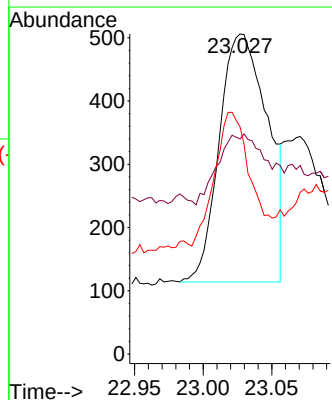
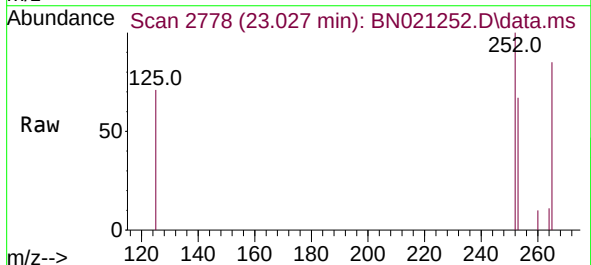
Instrument :  
BNA\_N  
ClientSampleId :  
TT-203-IDWSO-20220811-2

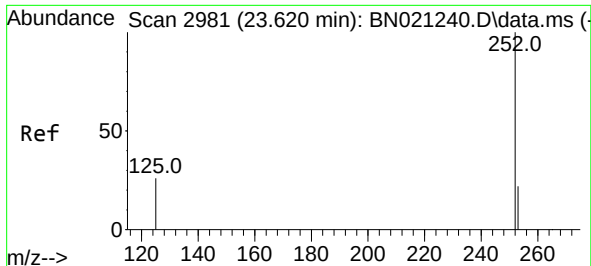
Tgt Ion:276 Resp: 532  
Ion Ratio Lower Upper  
276 100  
138 18.4 24.2 36.2#  
277 9.6 19.1 28.7#



#37  
Benzo(b)fluoranthene  
Concen: 0.042 ng  
RT: 23.027 min Scan# 2778  
Delta R.T. 0.012 min  
Lab File: BN021252.D  
Acq: 16 Aug 2022 11:10

Tgt Ion:252 Resp: 961  
Ion Ratio Lower Upper  
252 100  
253 67.2 21.4 32.0#  
125 70.9 15.3 22.9#





#39

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.626 min Scan# 2981

Delta R.T. 0.006 min

Lab File: BN021252.D

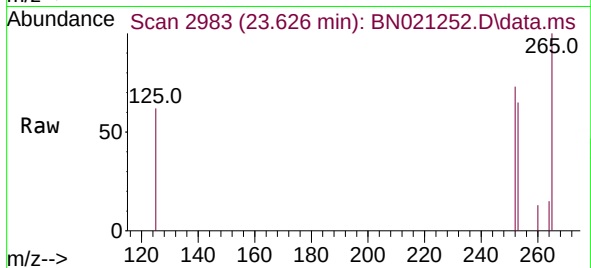
Acq: 16 Aug 2022 11:10

Instrument :

BN021252.D

ClientSampleId :

TT-203-IDWSO-20220811-2



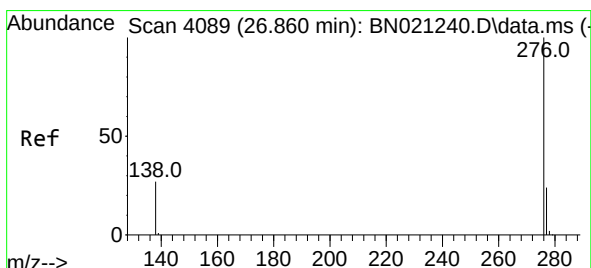
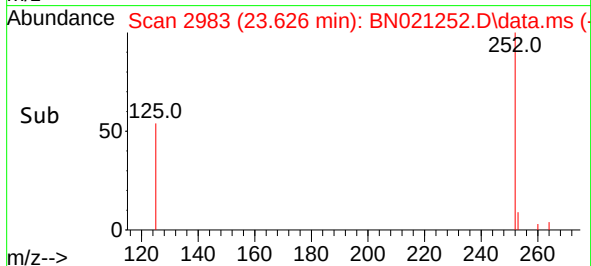
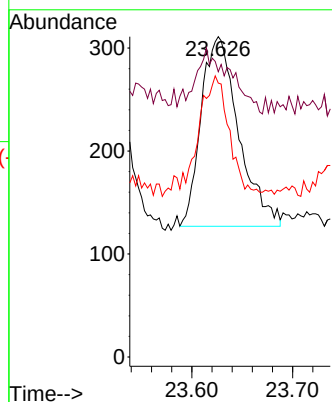
Tgt Ion:252 Resp: 476

Ion Ratio Lower Upper

252 100

253 89.1 24.8 37.2#

125 85.5 23.8 35.6#



#41

Benzo(g,h,i)perylene

Concen: 0.024 ng

RT: 26.877 min Scan# 4095

Delta R.T. 0.018 min

Lab File: BN021252.D

Acq: 16 Aug 2022 11:10

Tgt Ion:276 Resp: 518

Ion Ratio Lower Upper

276 100

277 47.8 21.0 31.4#

138 55.6 23.8 35.6#

