

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
 Data File : BN019113.D  
 Acq On : 24 Mar 2022 05:45  
 Operator : CG/JU  
 Sample : N2074-12  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01D2-20220320

Quant Time: Mar 24 07:18:56 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 17 13:18:23 2022  
 Response via : Initial Calibration

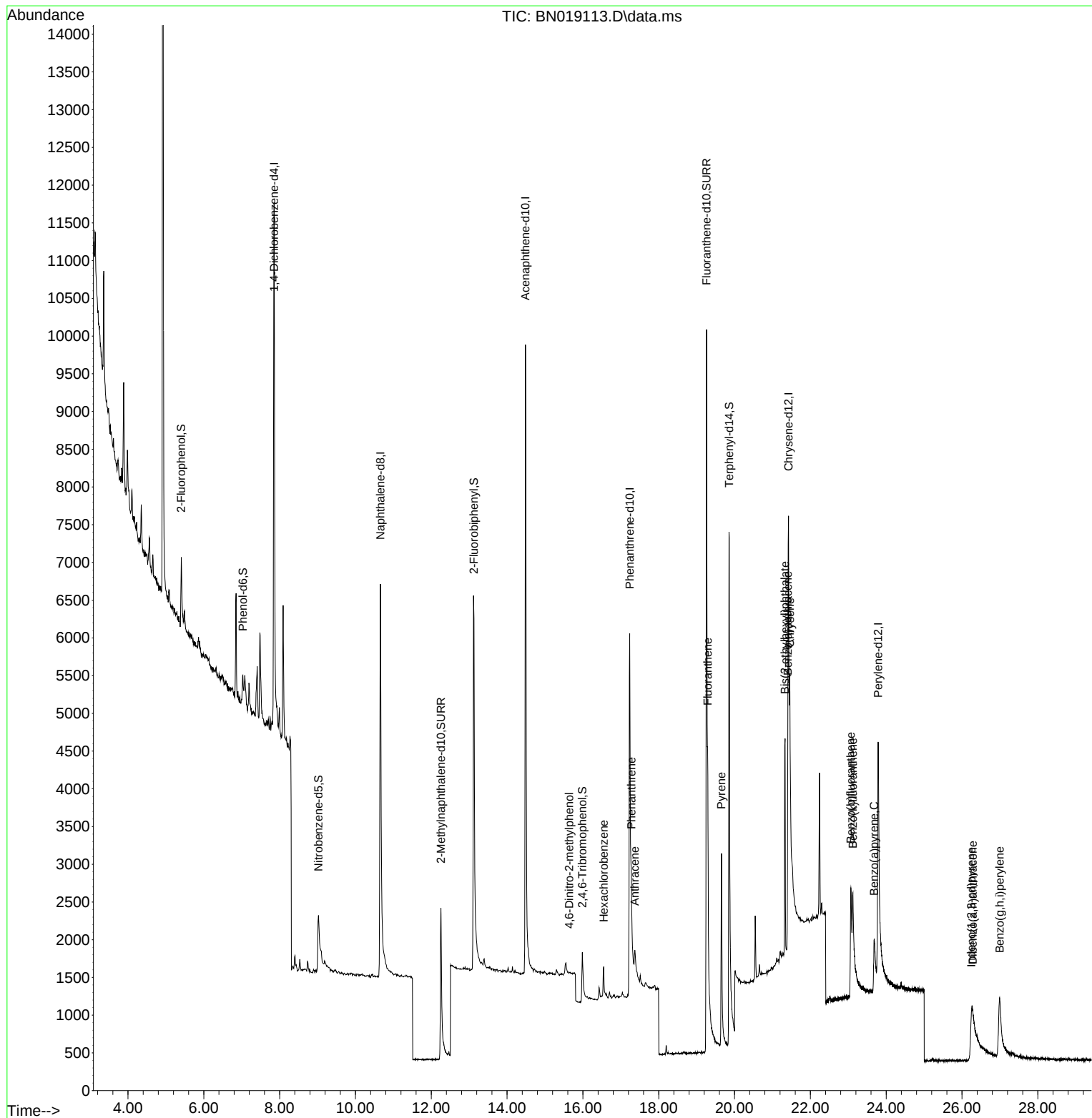
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4062     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.658 | 136  | 10018    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.485 | 164  | 6090     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.236 | 188  | 11721    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.422 | 240  | 9201     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.788 | 264  | 7555     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.406  | 112  | 914      | 0.100 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.031  | 99   | 348      | 0.036 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 9.025  | 82   | 1562     | 0.216 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.253 | 152  | 4632     | 0.279 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.985 | 330  | 577      | 0.196 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.127 | 172  | 6449     | 0.264 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.261 | 212  | 15568    | 0.448 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.856 | 244  | 12261    | 0.543 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 20) 4,6-Dinitro-2-methylph... | 15.639 | 198  | 4        | 0.111 | ng    | # 1      |
| 22) Hexachlorobenzene         | 16.549 | 284  | 353      | 0.037 | ng    | 98       |
| 25) Phenanthrene              | 17.277 | 178  | 1104     | 0.030 | ng    | # 96     |
| 26) Anthracene                | 17.369 | 178  | 677      | 0.022 | ng    | # 90     |
| 28) Fluoranthene              | 19.291 | 202  | 3139     | 0.073 | ng    | 98       |
| 30) Pyrene                    | 19.653 | 202  | 3261     | 0.071 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.404 | 228  | 2001     | 0.071 | ng    | 94       |
| 33) Chrysene                  | 21.458 | 228  | 3430     | 0.090 | ng    | 94       |
| 34) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 2923     | 0.156 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.246 | 276  | 1925     | 0.071 | ng    | # 74     |
| 37) Benzo(b)fluoranthene      | 23.068 | 252  | 2339     | 0.085 | ng    | # 65     |
| 38) Benzo(k)fluoranthene      | 23.121 | 252  | 2953     | 0.078 | ng    | # 64     |
| 39) Benzo(a)pyrene            | 23.682 | 252  | 1973     | 0.079 | ng    | # 37     |
| 40) Dibenzo(a,h)anthracene    | 26.281 | 278  | 713      | 0.034 | ng    | # 40     |
| 41) Benzo(g,h,i)perylene      | 26.992 | 276  | 2595     | 0.097 | ng    | # 86     |

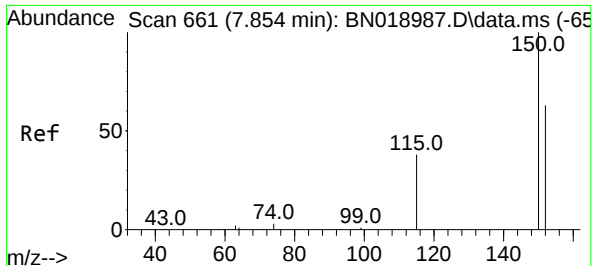
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032222\  
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Sample : N2074-12  
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Instrument :  
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ClientSampleId :  
RW8-MW01D2-20220320

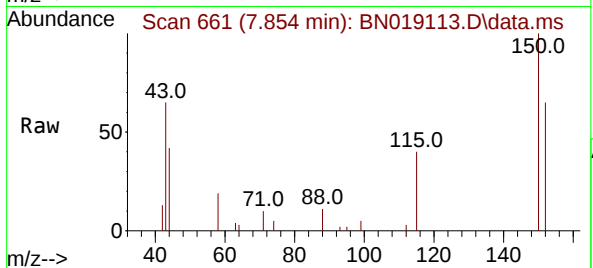
Quant Time: Mar 24 07:18:56 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
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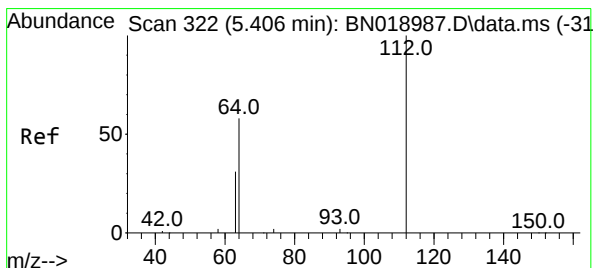
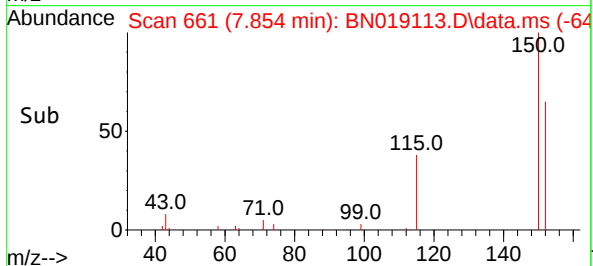
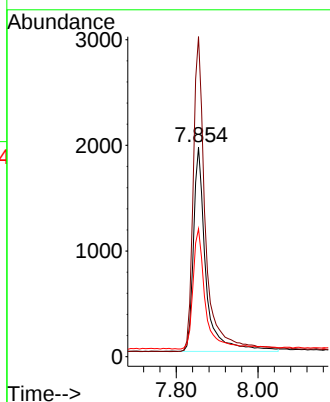


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.854 min Scan# 661  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Instrument :  
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ClientSampleId :  
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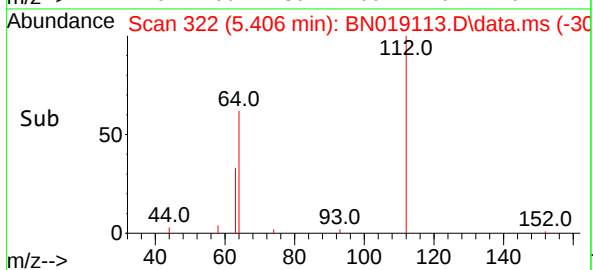
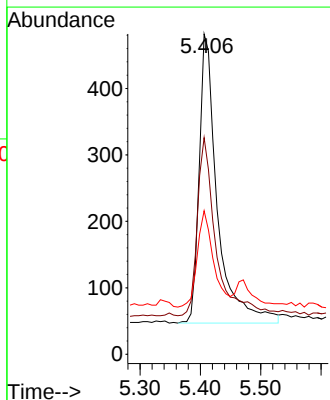
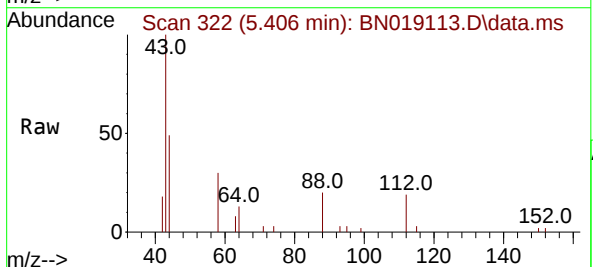


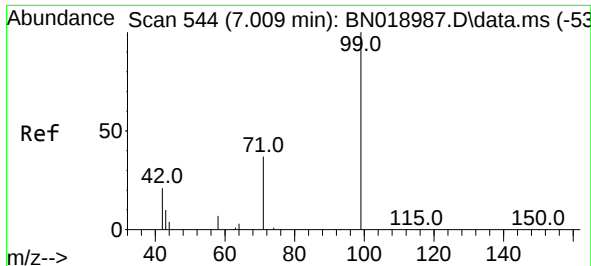
Tgt Ion:152 Resp: 4062  
Ion Ratio Lower Upper  
152 100  
150 152.8 123.9 185.9  
115 61.0 48.2 72.4



#4  
2-Fluorophenol  
Concen: 0.100 ng  
RT: 5.406 min Scan# 322  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:112 Resp: 914  
Ion Ratio Lower Upper  
112 100  
64 63.1 47.8 71.8  
63 29.6 25.7 38.5

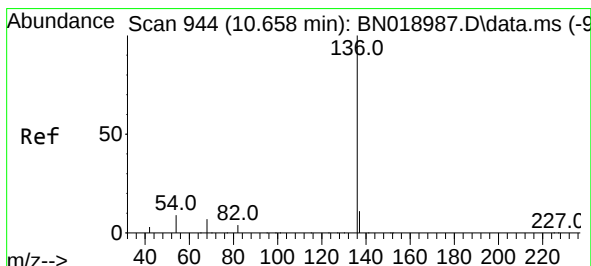
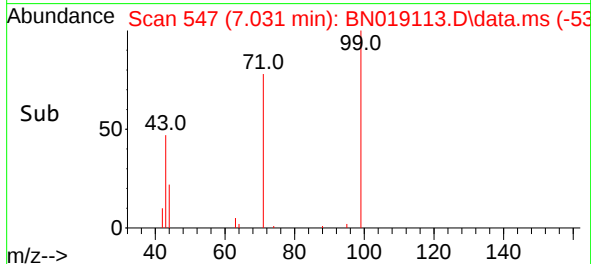
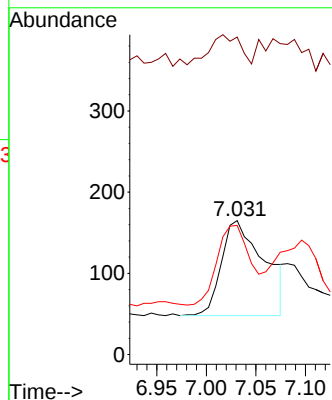
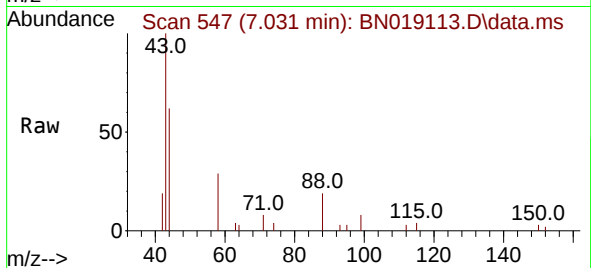




#5  
Phenol-d6  
Concen: 0.036 ng  
RT: 7.031 min Scan# 54  
Delta R.T. 0.022 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

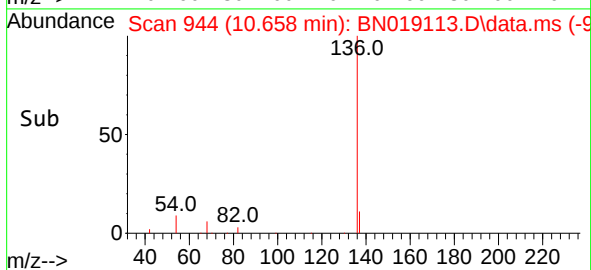
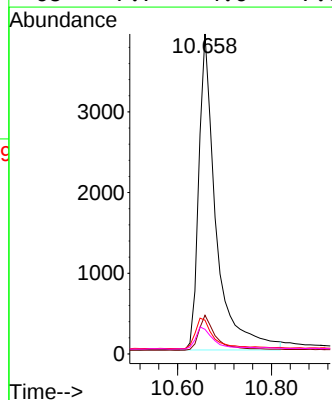
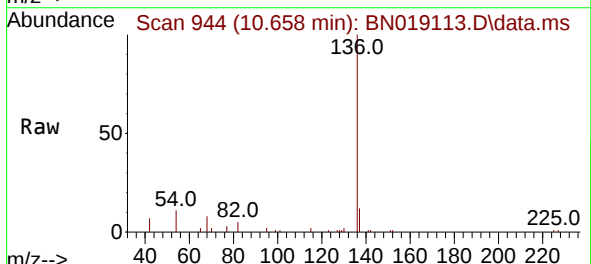
Instrument :  
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ClientSampleId :  
RW8-MW01D2-20220320

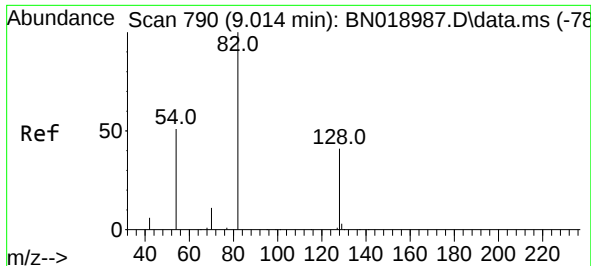
Tgt Ion: 99 Resp: 348  
Ion Ratio Lower Upper  
99 100  
42 22.1 16.2 24.4  
71 64.7 27.7 41.5#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion: 136 Resp: 10018  
Ion Ratio Lower Upper  
136 100  
137 12.1 9.0 13.4  
54 10.6 5.8 8.6#  
68 7.7 4.6 7.0#

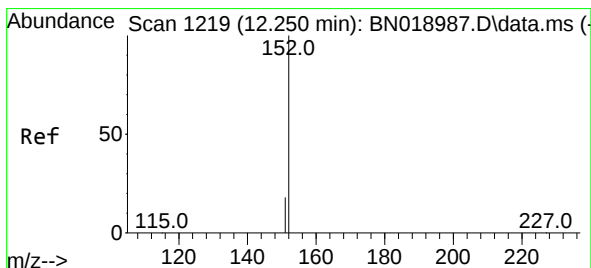
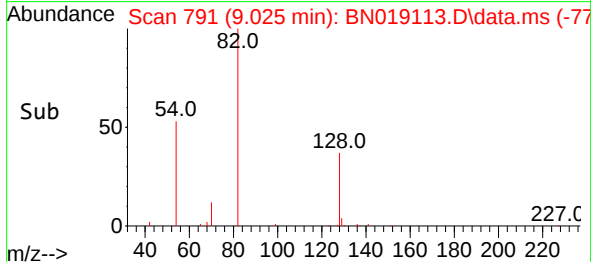
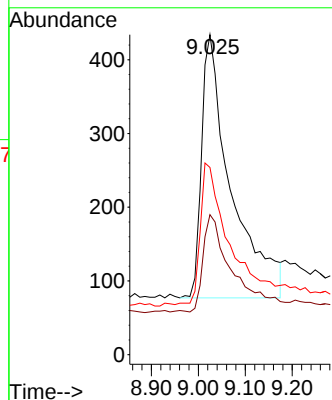
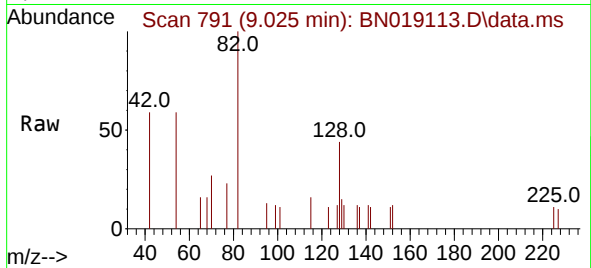




#8  
Nitrobenzene-d5  
Concen: 0.216 ng  
RT: 9.025 min Scan# 791  
Delta R.T. 0.011 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

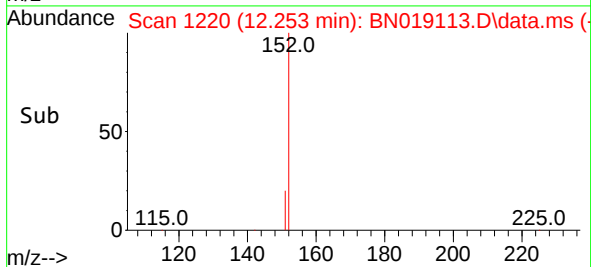
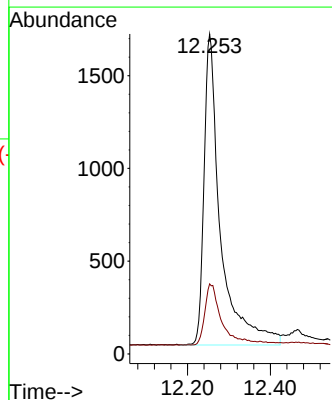
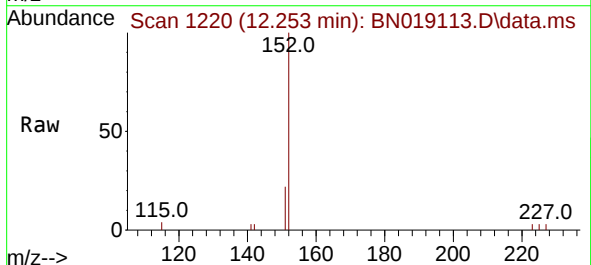
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ClientSampleId :  
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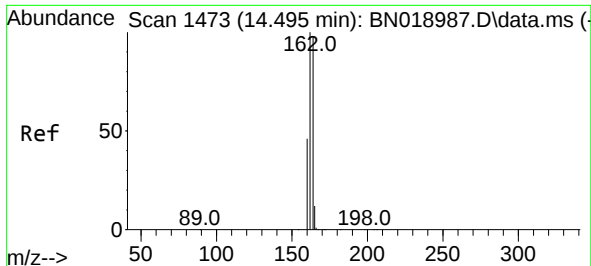
Tgt Ion: 82 Resp: 1562  
Ion Ratio Lower Upper  
82 100  
128 43.8 33.0 49.6  
54 58.5 42.5 63.7



#11  
2-Methylnaphthalene-d10  
Concen: 0.279 ng  
RT: 12.253 min Scan# 1220  
Delta R.T. 0.004 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion: 152 Resp: 4632  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.5 24.7

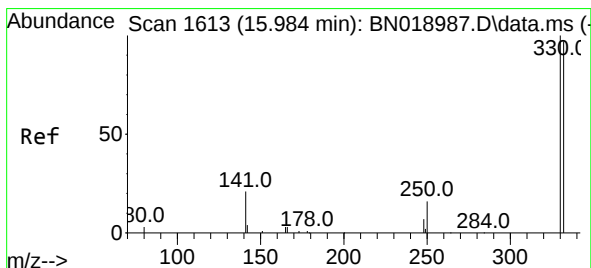
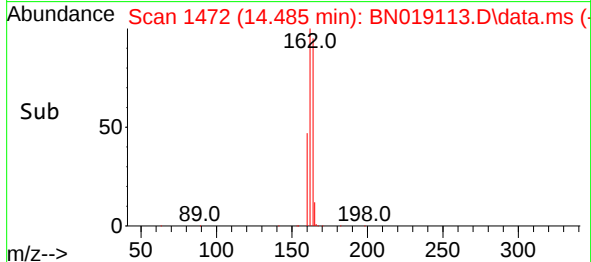
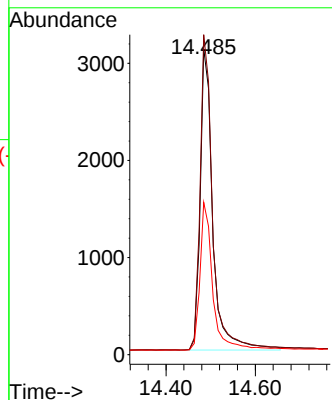
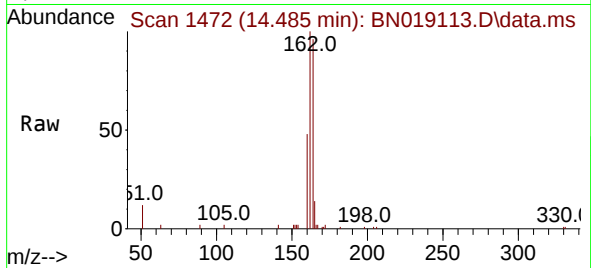




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.485 min Scan# 1472  
Delta R.T. -0.011 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

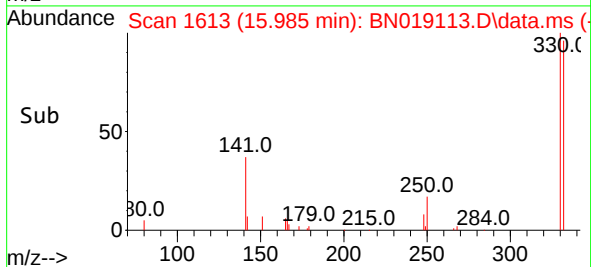
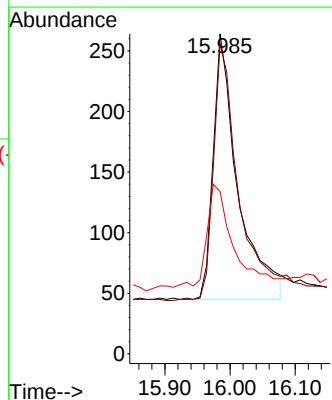
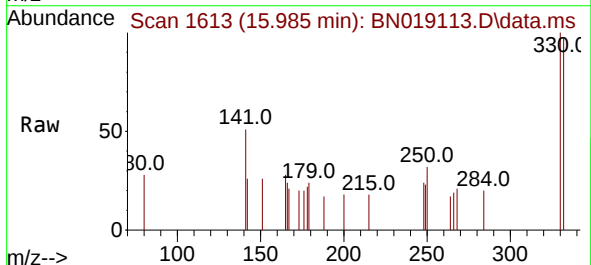
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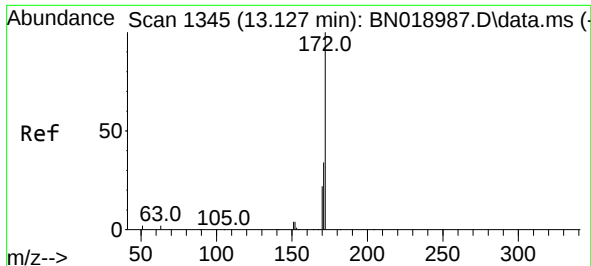
Tgt Ion:164 Resp: 6090  
Ion Ratio Lower Upper  
164 100  
162 104.7 85.2 127.8  
160 49.8 41.5 62.3



#14  
2,4,6-Tribromophenol  
Concen: 0.196 ng  
RT: 15.985 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:330 Resp: 577  
Ion Ratio Lower Upper  
330 100  
332 99.5 76.8 115.2  
141 39.0 32.2 48.2

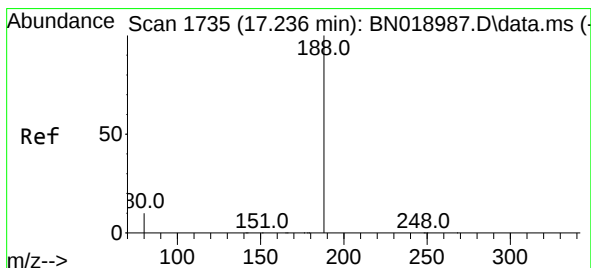
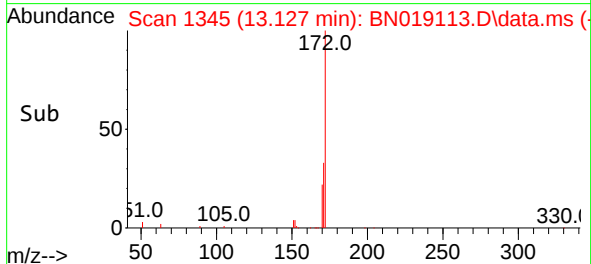
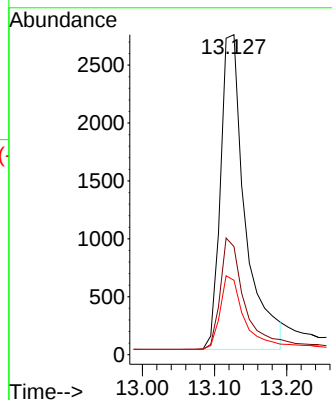
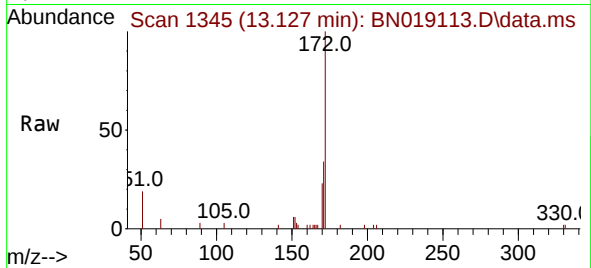




#15  
2-Fluorobiphenyl  
Concen: 0.264 ng  
RT: 13.127 min Scan# 1345  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

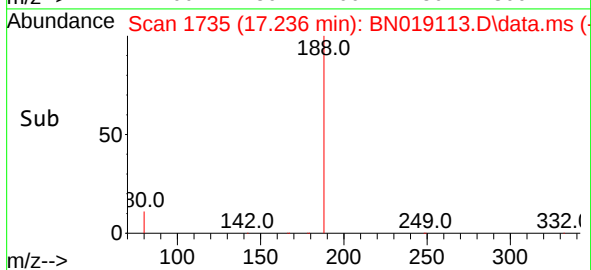
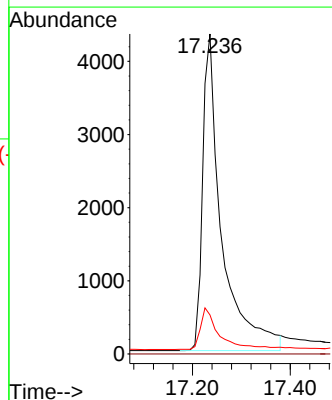
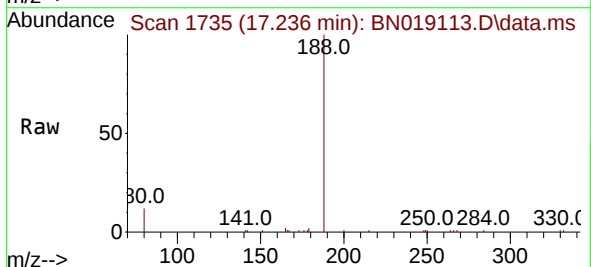
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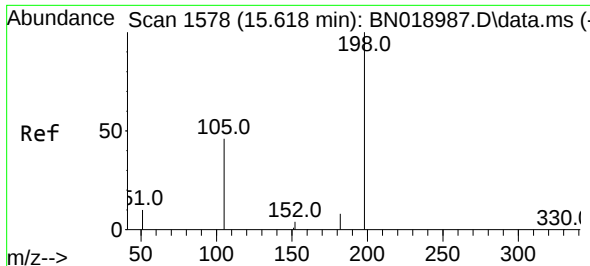
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Ion Ratio Lower Upper  
172 100  
171 33.8 28.2 42.2  
170 23.3 18.7 28.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:188 Resp: 11721  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.2 11.8 17.8

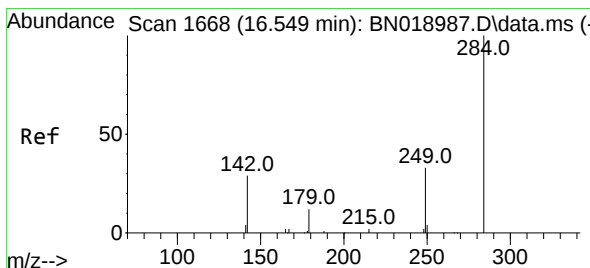
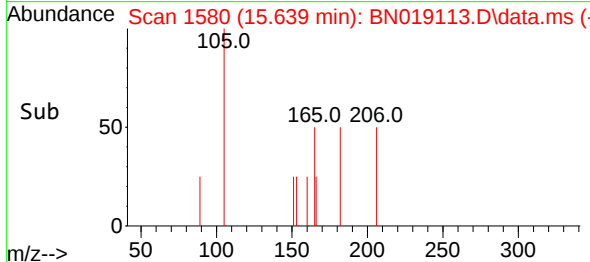
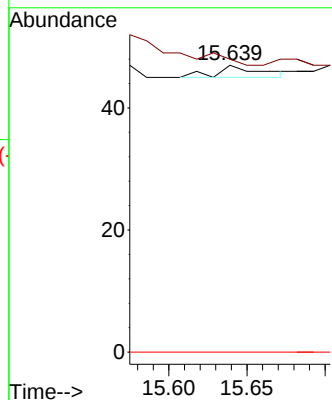
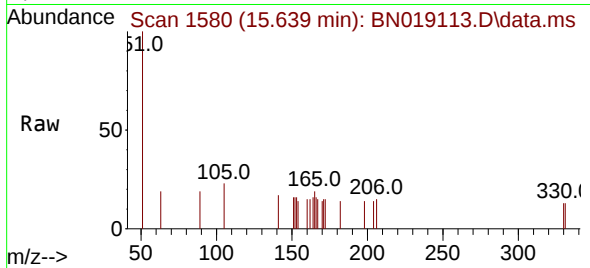




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.111 ng  
RT: 15.639 min Scan# 1580  
Delta R.T. 0.021 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

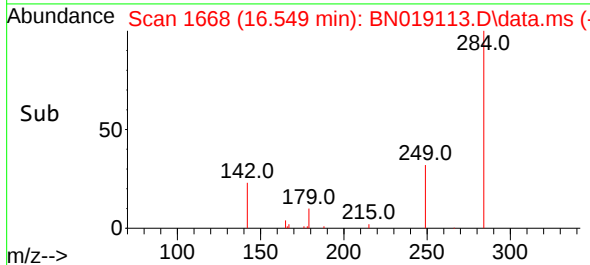
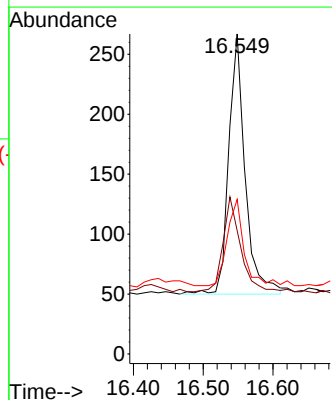
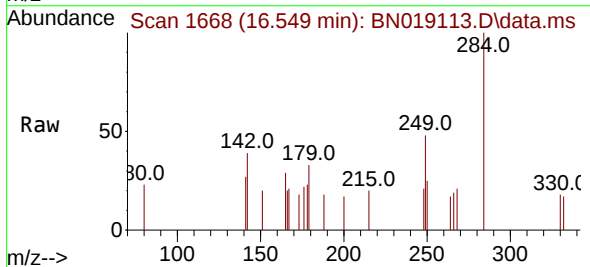
Instrument :  
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RW8-MW01D2-20220320

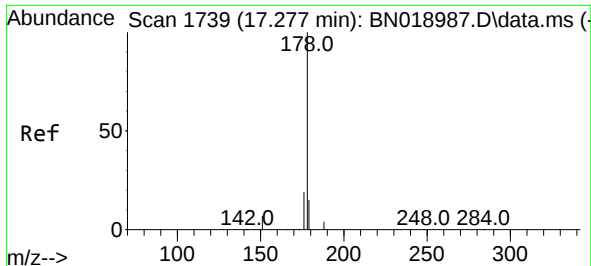
Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
182 102.1 13.0 19.4#  
77 0.0 0.0 0.0



#22  
Hexachlorobenzene  
Concen: 0.037 ng  
RT: 16.549 min Scan# 1668  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:284 Resp: 353  
Ion Ratio Lower Upper  
284 100  
142 38.8 29.8 44.8  
249 34.0 26.2 39.2

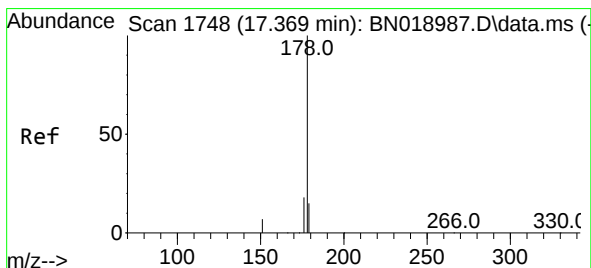
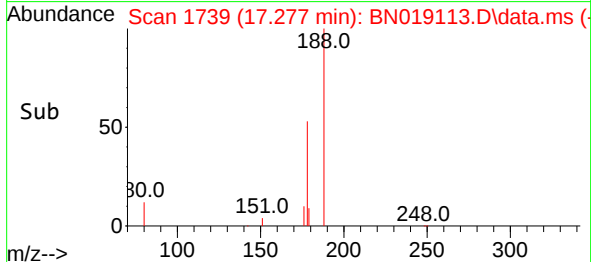
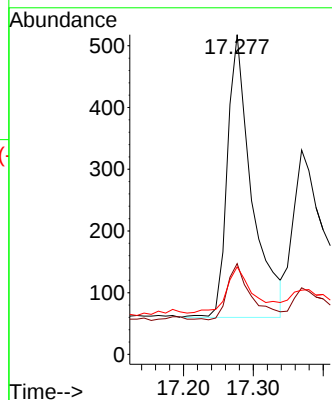
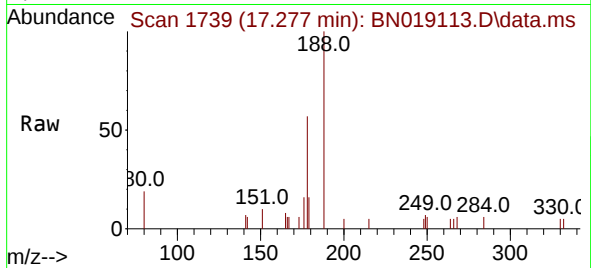




#25  
Phenanthrene  
Concen: 0.030 ng  
RT: 17.277 min Scan# 1739  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

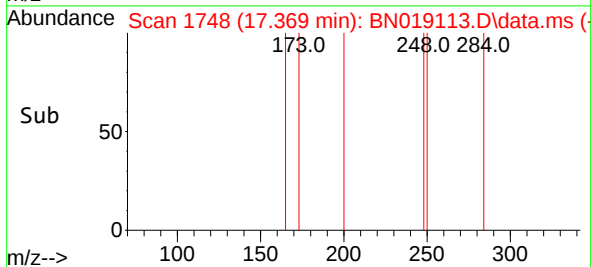
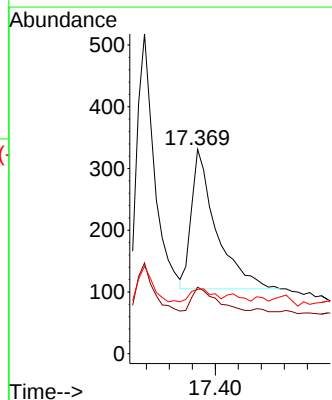
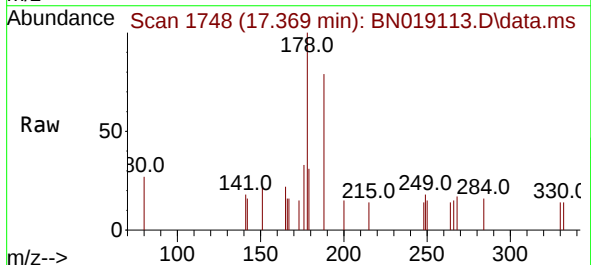
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01D2-20220320

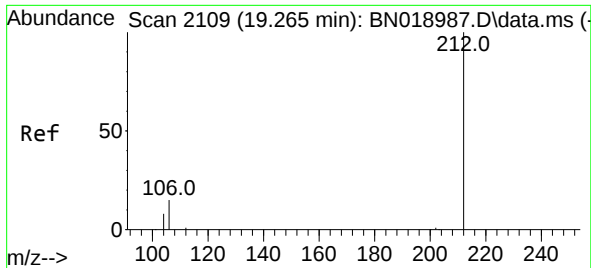
Tgt Ion:178 Resp: 1104  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.4 23.0  
179 18.3 12.2 18.2#



#26  
Anthracene  
Concen: 0.022 ng  
RT: 17.369 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:178 Resp: 677  
Ion Ratio Lower Upper  
178 100  
176 16.2 14.8 22.2  
179 8.4 12.2 18.4#

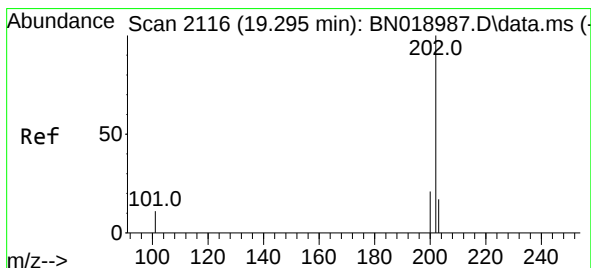
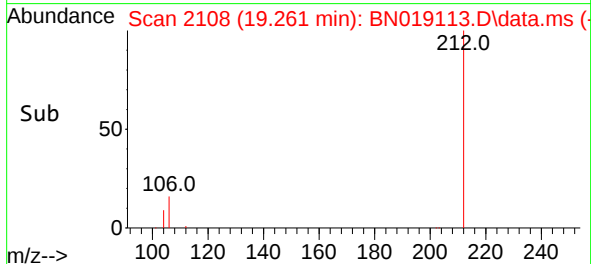
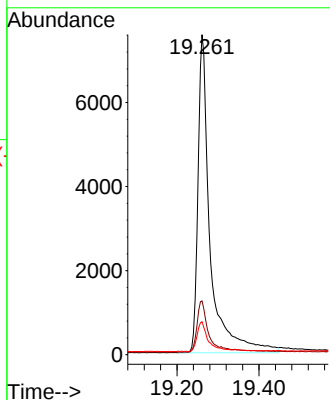
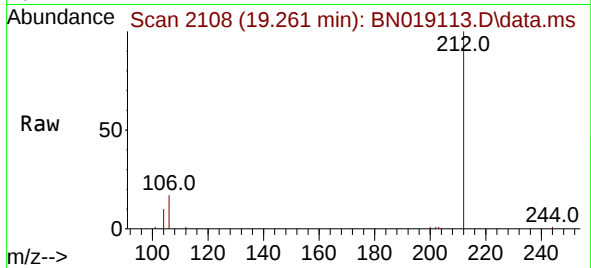




#27  
Fluoranthene-d10  
Concen: 0.448 ng  
RT: 19.261 min Scan# 2109  
Delta R.T. -0.004 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

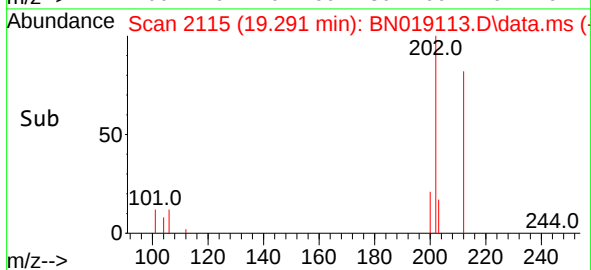
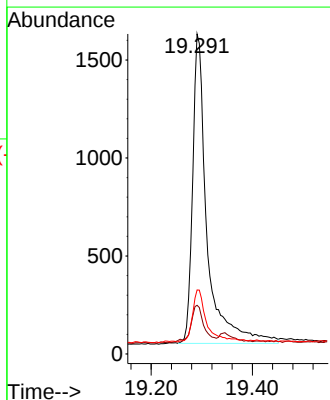
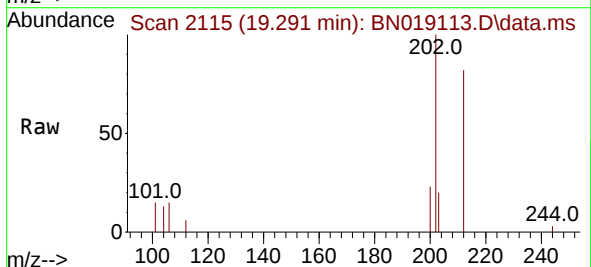
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01D2-20220320

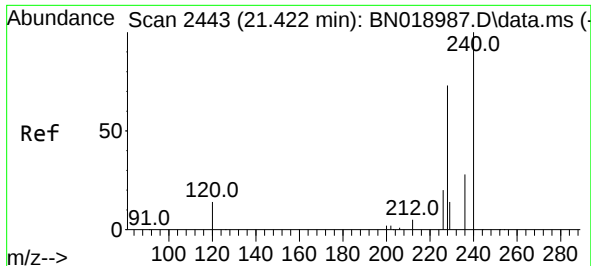
Tgt Ion:212 Resp: 15568  
Ion Ratio Lower Upper  
212 100  
106 15.7 12.7 19.1  
104 8.5 7.1 10.7



#28  
Fluoranthene  
Concen: 0.073 ng  
RT: 19.291 min Scan# 2115  
Delta R.T. -0.004 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:202 Resp: 3139  
Ion Ratio Lower Upper  
202 100  
101 11.0 9.8 14.6  
203 16.3 13.7 20.5

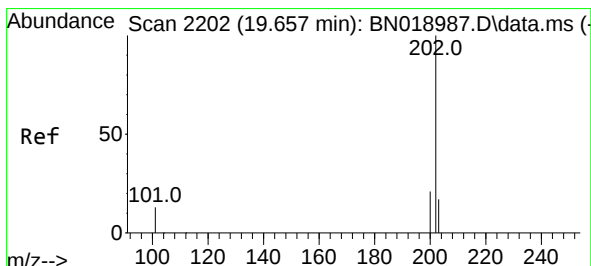
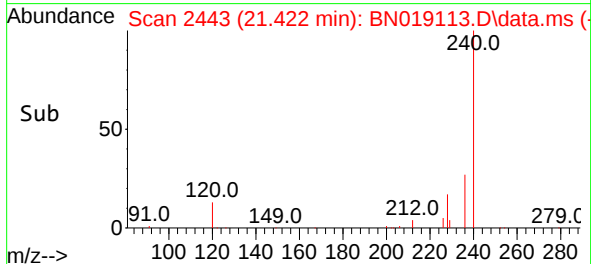
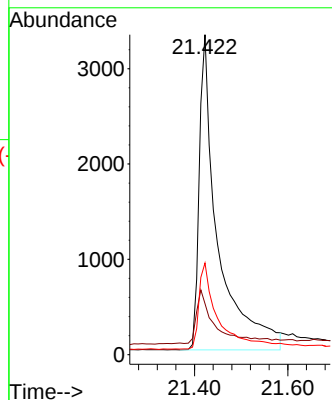
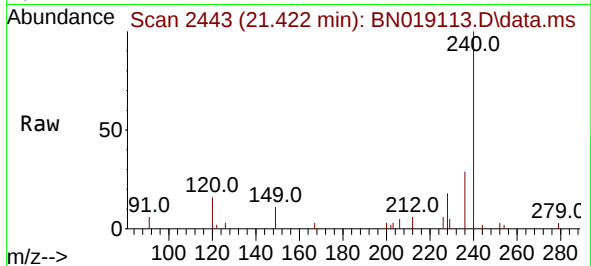




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.422 min Scan# 2443  
Delta R.T. 0.000 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

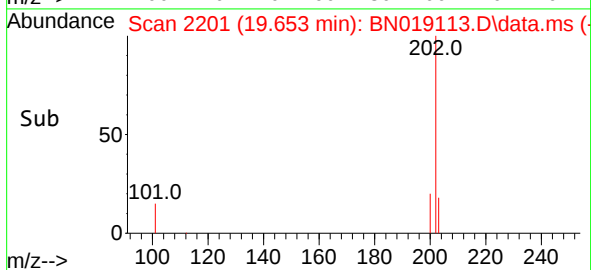
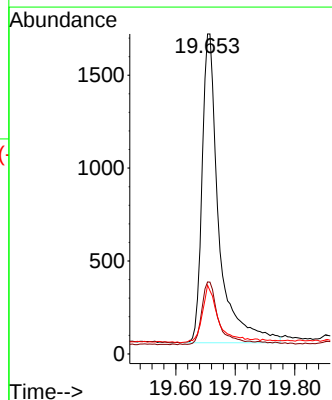
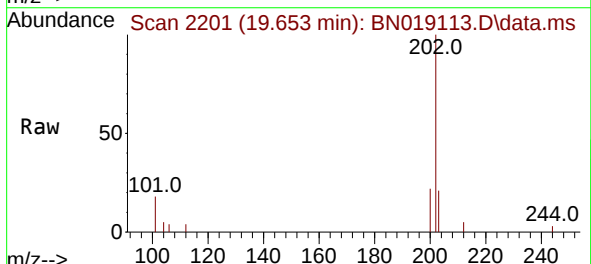
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01D2-20220320

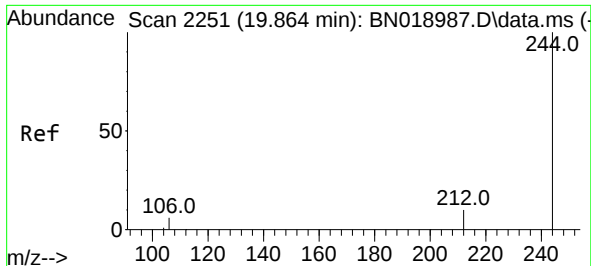
Tgt Ion:240 Resp: 9201  
Ion Ratio Lower Upper  
240 100  
120 16.0 8.5 12.7#  
236 28.6 22.4 33.6



#30  
Pyrene  
Concen: 0.071 ng  
RT: 19.653 min Scan# 2201  
Delta R.T. -0.004 min  
Lab File: BN019113.D  
Acq: 24 Mar 2022 05:45

Tgt Ion:202 Resp: 3261  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.9 25.3  
203 17.8 14.2 21.2

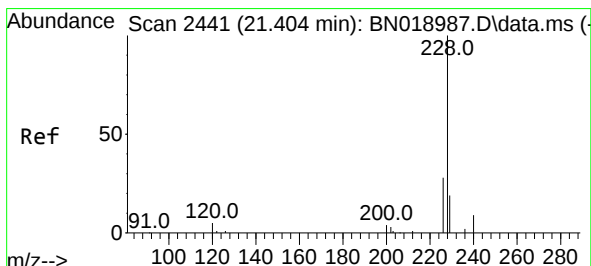
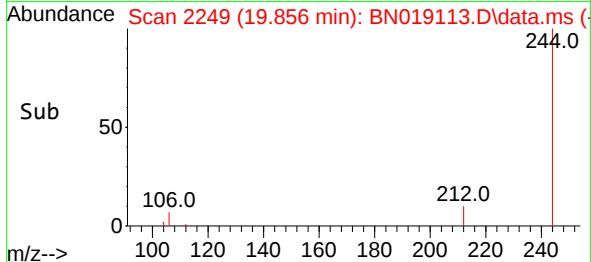
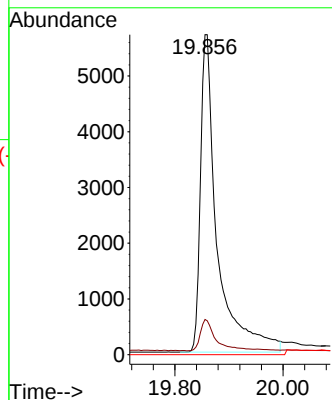
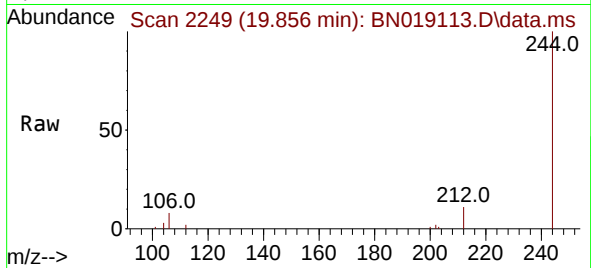




#31  
 Terphenyl-d14  
 Concen: 0.543 ng  
 RT: 19.856 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BN019113.D  
 Acq: 24 Mar 2022 05:45

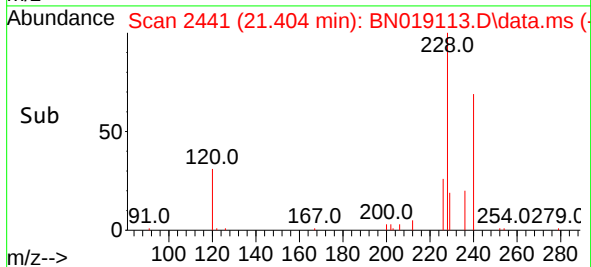
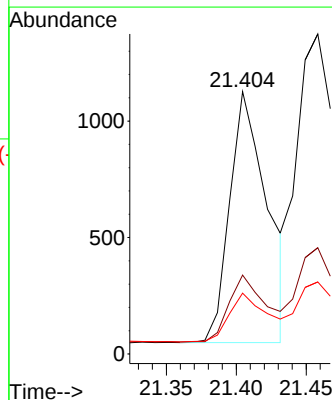
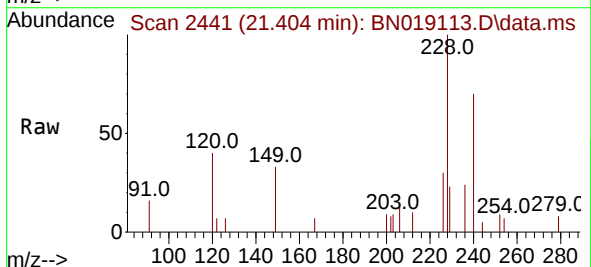
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01D2-20220320

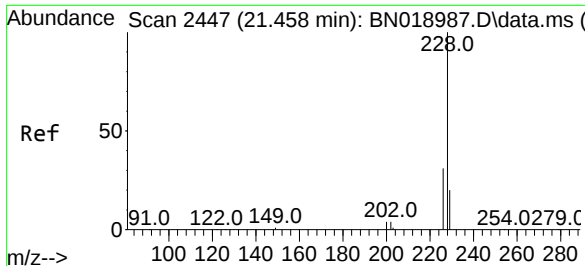
Tgt Ion:244 Resp: 12261  
 Ion Ratio Lower Upper  
 244 100  
 212 11.0 8.2 12.4  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.071 ng  
 RT: 21.404 min Scan# 2441  
 Delta R.T. 0.000 min  
 Lab File: BN019113.D  
 Acq: 24 Mar 2022 05:45

Tgt Ion:228 Resp: 2001  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 21.9 32.9  
 229 23.2 16.0 24.0





#33

Chrysene

Concen: 0.090 ng

RT: 21.458 min Scan# 2447

Delta R.T. 0.000 min

Lab File: BN019113.D

Acq: 24 Mar 2022 05:45

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01D2-20220320

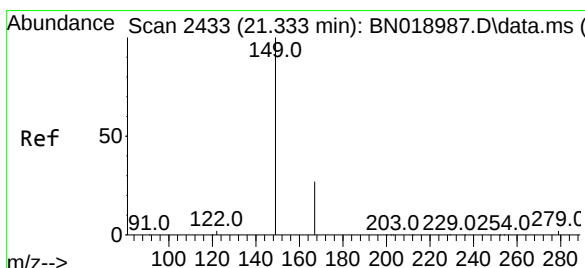
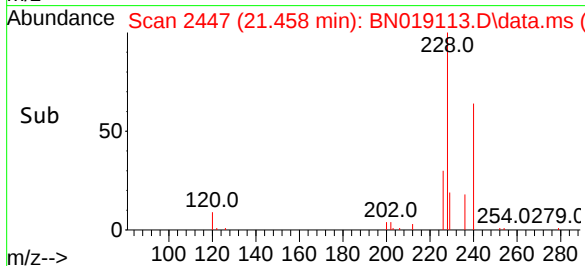
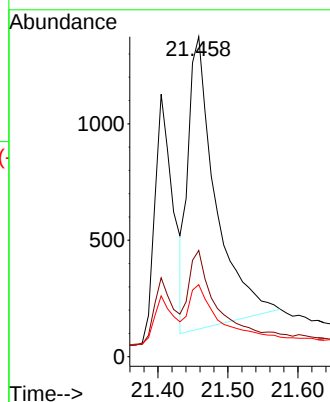
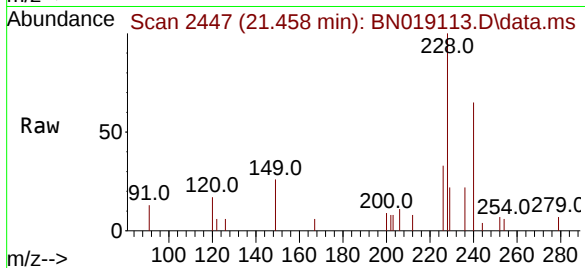
Tgt Ion:228 Resp: 3430

Ion Ratio Lower Upper

228 100

226 33.2 24.0 36.0

229 22.5 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.156 ng

RT: 21.333 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BN019113.D

Acq: 24 Mar 2022 05:45

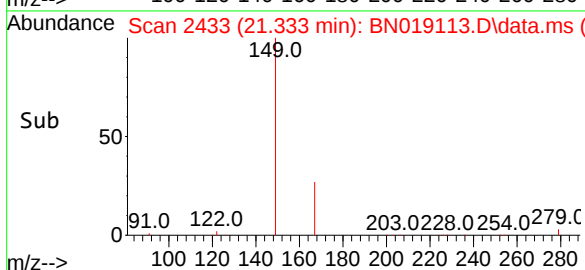
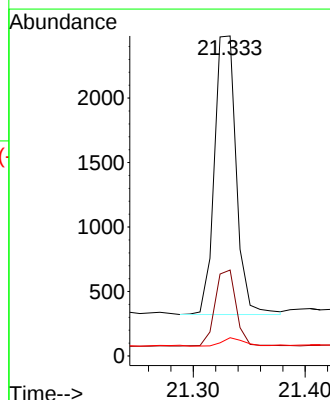
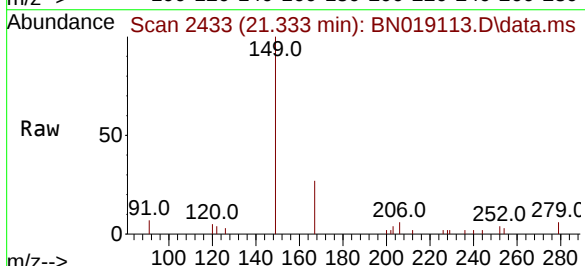
Tgt Ion:149 Resp: 2923

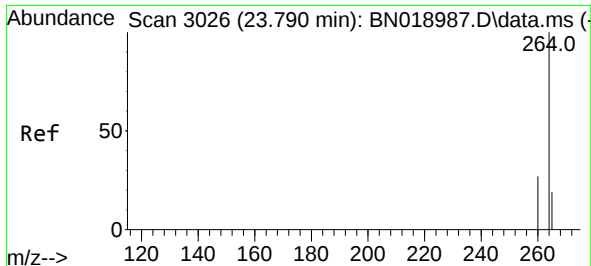
Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.8

279 3.1 2.0 3.0#

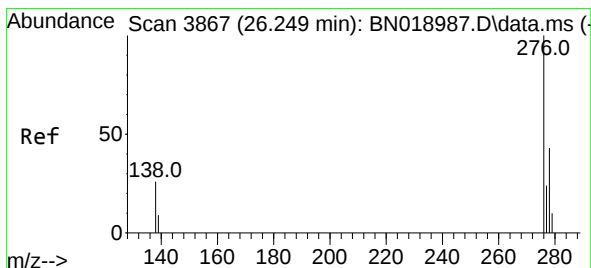
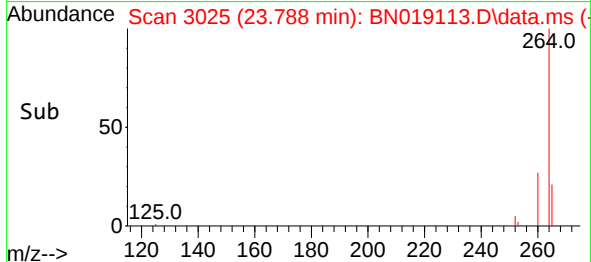
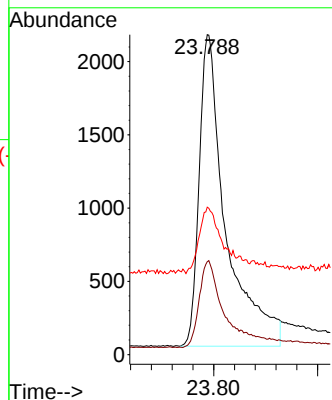
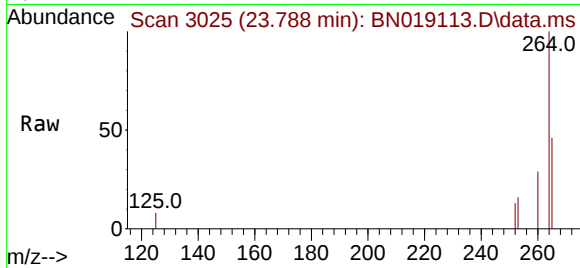




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.788 min Scan# 3026  
 Delta R.T. -0.003 min  
 Lab File: BN019113.D  
 Acq: 24 Mar 2022 05:45

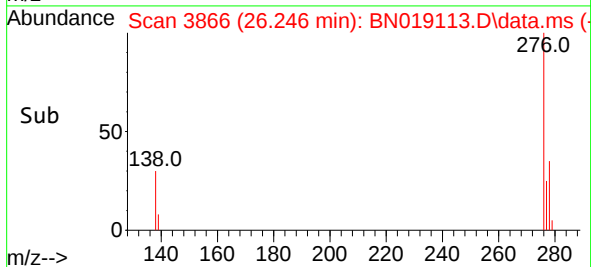
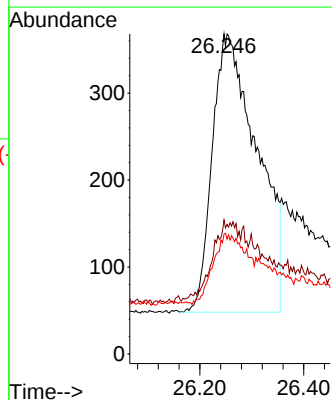
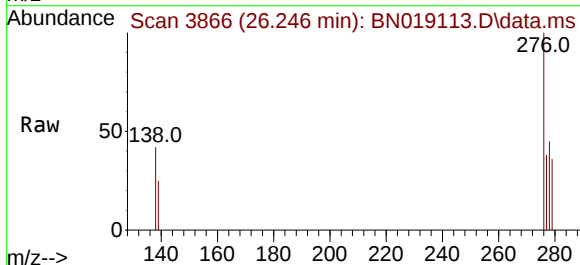
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01D2-20220320

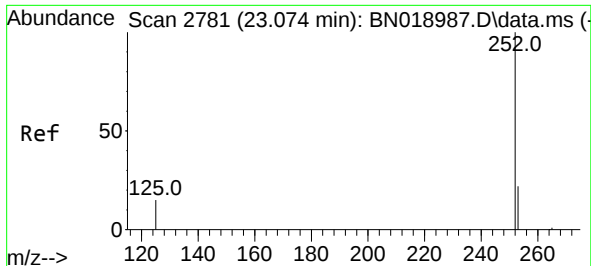
Tgt Ion:264 Resp: 7555  
 Ion Ratio Lower Upper  
 264 100  
 260 29.0 22.4 33.6  
 265 46.1 25.3 37.9#



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.071 ng  
 RT: 26.246 min Scan# 3866  
 Delta R.T. -0.003 min  
 Lab File: BN019113.D  
 Acq: 24 Mar 2022 05:45

Tgt Ion:276 Resp: 1925  
 Ion Ratio Lower Upper  
 276 100  
 138 10.5 24.5 36.7#  
 277 18.8 19.8 29.8#





#37

Benzo(b)fluoranthene

Concen: 0.085 ng

RT: 23.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN019113.D

Acq: 24 Mar 2022 05:45

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01D2-20220320

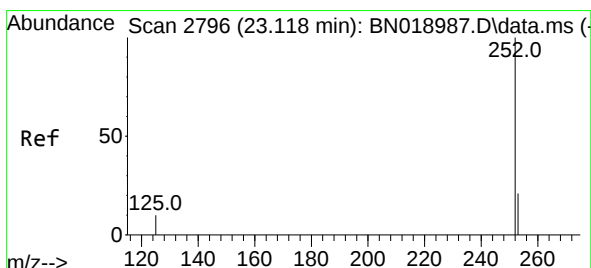
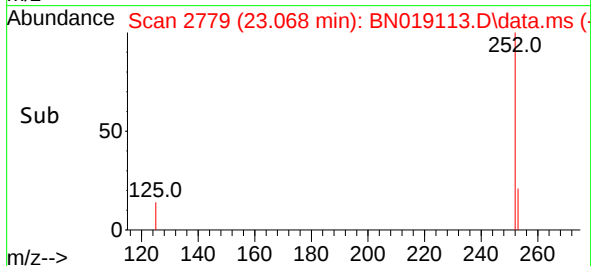
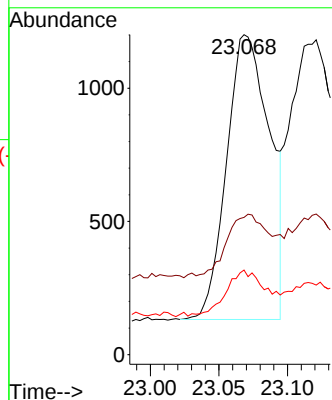
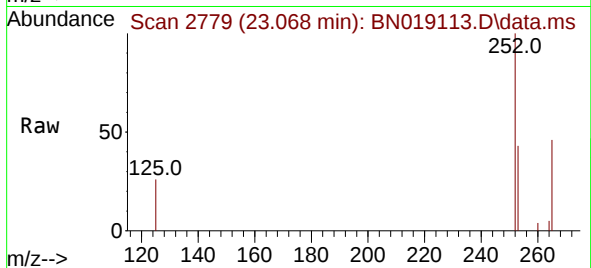
Tgt Ion:252 Resp: 2339

Ion Ratio Lower Upper

252 100

253 42.9 18.9 28.3#

125 26.5 12.1 18.1#



#38

Benzo(k)fluoranthene

Concen: 0.078 ng

RT: 23.121 min Scan# 2797

Delta R.T. 0.003 min

Lab File: BN019113.D

Acq: 24 Mar 2022 05:45

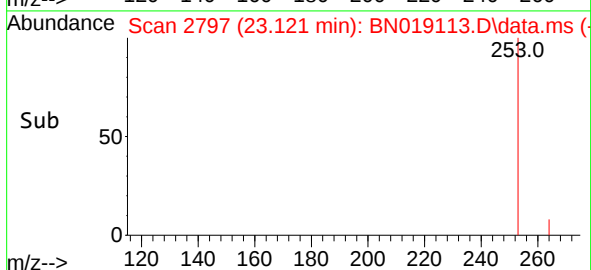
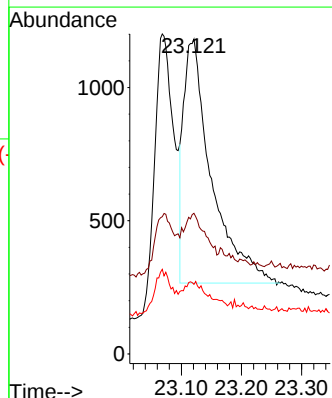
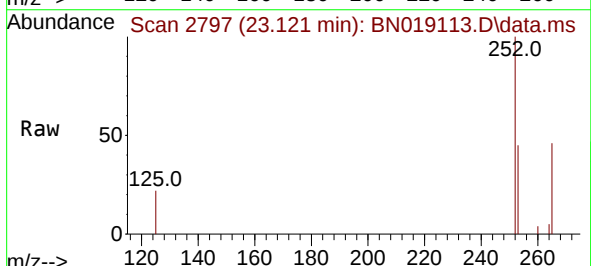
Tgt Ion:252 Resp: 2953

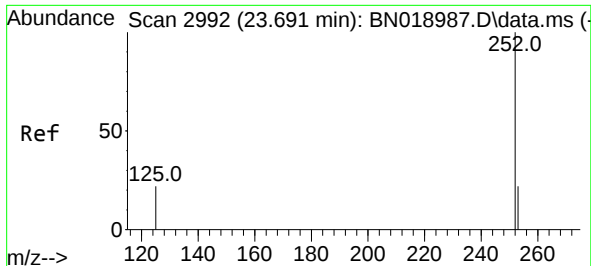
Ion Ratio Lower Upper

252 100

253 44.7 18.9 28.3#

125 22.1 10.3 15.5#





#39

Benzo(a)pyrene

Concen: 0.079 ng

RT: 23.682 min Scan# 2992

Delta R.T. -0.009 min

Lab File: BN019113.D

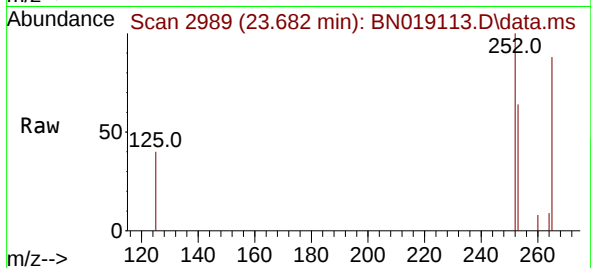
Acq: 24 Mar 2022 05:45

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01D2-20220320



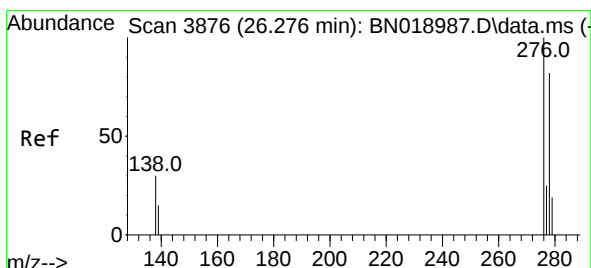
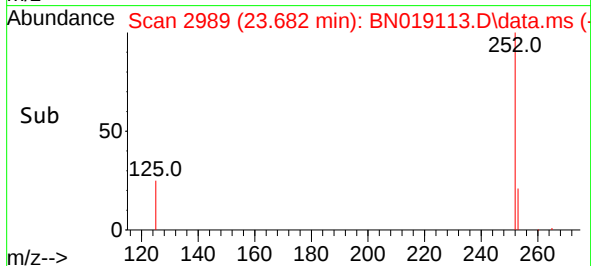
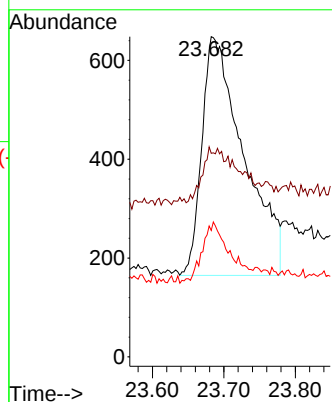
Tgt Ion:252 Resp: 1973

Ion Ratio Lower Upper

252 100

253 63.6 20.1 30.1#

125 39.5 15.2 22.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.034 ng

RT: 26.281 min Scan# 3878

Delta R.T. 0.006 min

Lab File: BN019113.D

Acq: 24 Mar 2022 05:45

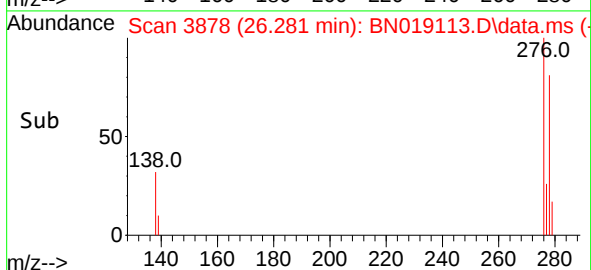
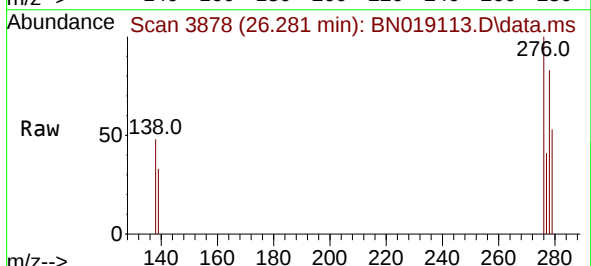
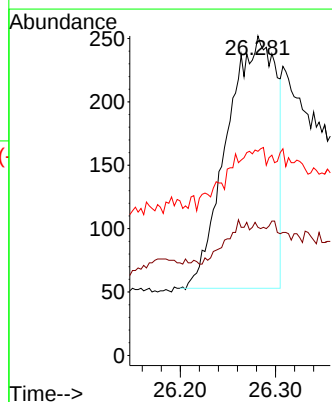
Tgt Ion:278 Resp: 713

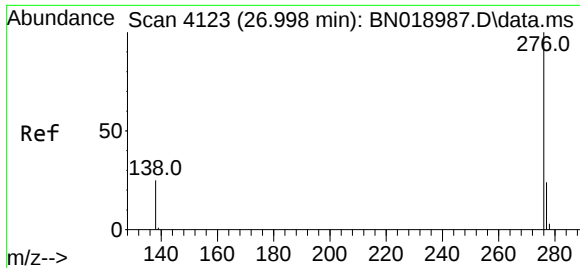
Ion Ratio Lower Upper

278 100

139 40.1 17.2 25.8#

279 63.9 19.9 29.9#





#41

Benzo(g,h,i)perylene

Concen: 0.097 ng

RT: 26.992 min Scan# 41

Delta R.T. -0.006 min

Lab File: BN019113.D

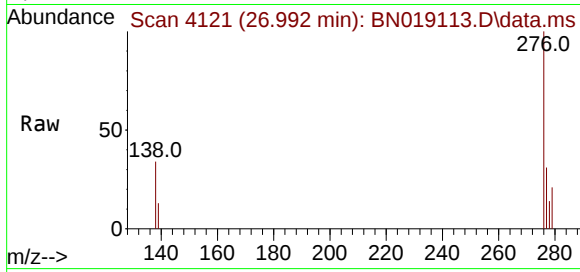
Acq: 24 Mar 2022 05:45

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01D2-20220320



Tgt Ion:276 Resp: 2595

Ion Ratio Lower Upper

276 100

277 30.9 19.4 29.0#

138 33.8 21.0 31.6#

