

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052121\  
 Data File : BN014696.D  
 Acq On : 21 May 2021 16:48  
 Operator : CG/JU  
 Sample : M2383-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 FB-01-05112021

Quant Time: May 21 17:16:59 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN051121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 21 11:30:28 2021  
 Response via : Initial Calibration

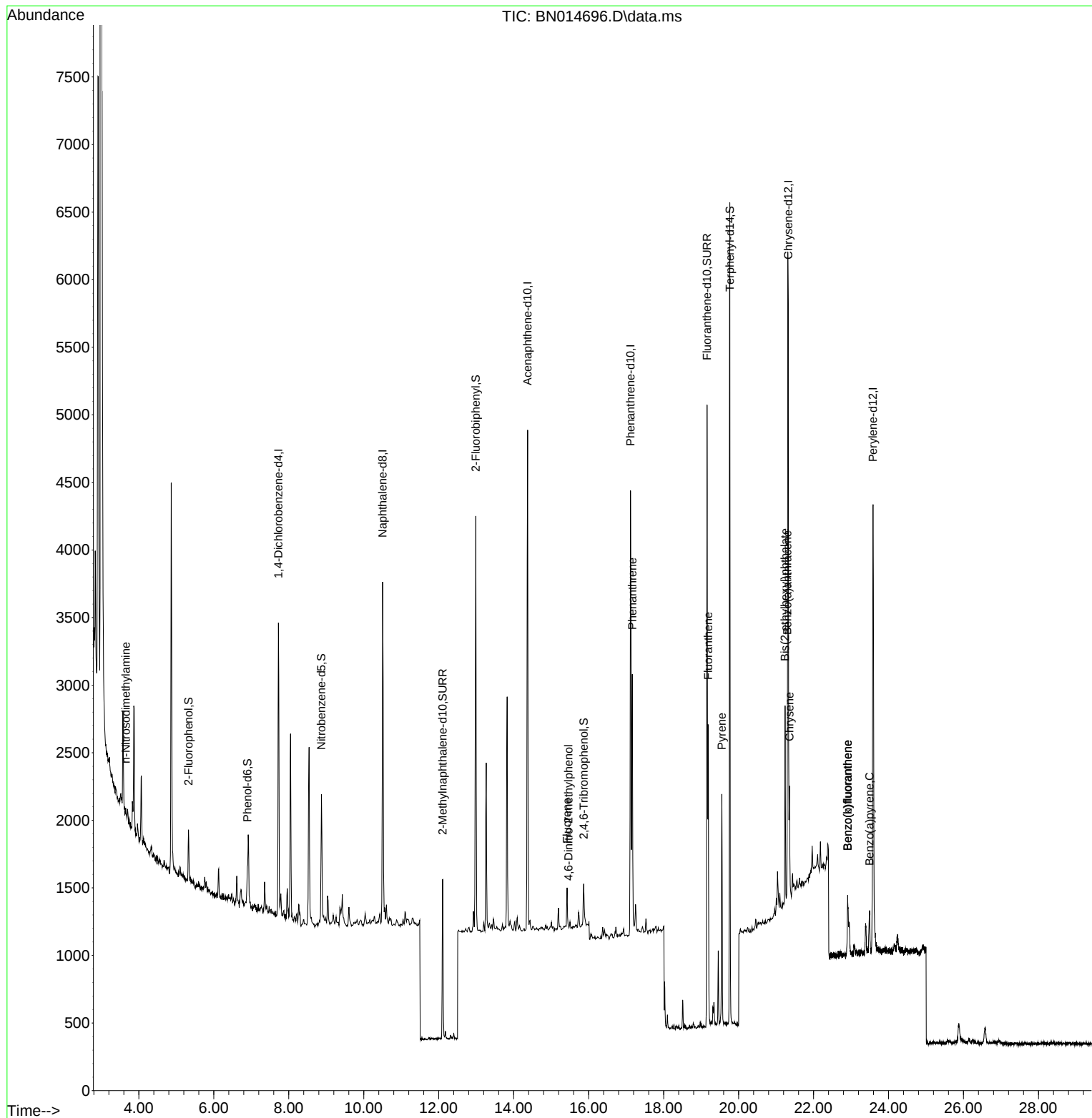
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.725  | 152  | 962      | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.505 | 136  | 3425     | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.372 | 164  | 2286     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.116 | 188  | 4817     | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.324 | 240  | 4961     | 0.40 | ng    | # 0.01   |
| 35) Perylene-d12              | 23.585 | 264  | 4756     | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.325  | 112  | 306      | 0.12 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.895  | 99   | 236      | 0.07 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.870  | 82   | 955      | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.102 | 152  | 1638     | 0.20 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.869 | 330  | 295      | 0.28 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.989 | 172  | 2611     | 0.31 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.159 | 212  | 5454     | 0.25 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.764 | 244  | 6339     | 0.54 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 3) n-Nitrosodimethylamine     | 3.650  | 42   | 13       | 0.03 | ng    | # 1      |
| 18) Fluorene                  | 15.425 | 166  | 208      | 0.02 | ng    | # 91     |
| 20) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 2        | 0.15 | ng    | # 1      |
| 25) Phenanthrene              | 17.165 | 178  | 2155     | 0.16 | ng    | 98       |
| 28) Fluoranthene              | 19.188 | 202  | 1963     | 0.11 | ng    | 95       |
| 30) Pyrene                    | 19.551 | 202  | 1566     | 0.12 | ng    | 97       |
| 32) Benzo(a)anthracene        | 21.303 | 228  | 730      | 0.05 | ng    | # 84     |
| 33) Chrysene                  | 21.356 | 228  | 705      | 0.05 | ng    | # 86     |
| 34) Bis(2-ethylhexyl)phtha... | 21.239 | 149  | 1165     | 0.29 | ng    | # 78     |
| 37) Benzo(b)fluoranthene      | 22.911 | 252  | 663      | 0.04 | ng    | # 23     |
| 38) Benzo(k)fluoranthene      | 22.911 | 252  | 663      | 0.04 | ng    | # 21     |
| 39) Benzo(a)pyrene            | 23.493 | 252  | 410      | 0.03 | ng    | # 7      |
| -----                         |        |      |          |      |       |          |

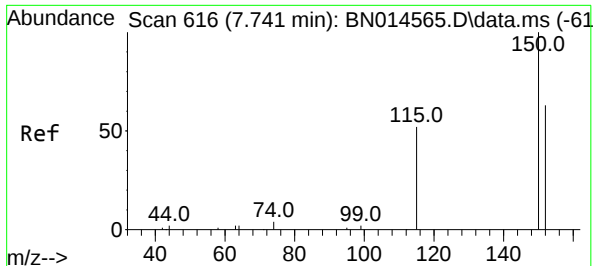
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052121\  
Data File : BN014696.D  
Acq On : 21 May 2021 16:48  
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Sample : M2383-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
FB-01-05112021

Quant Time: May 21 17:16:59 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN051121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 21 11:30:28 2021  
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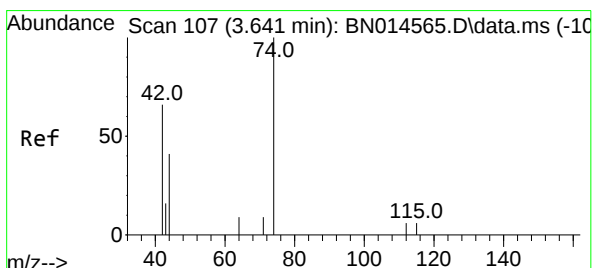
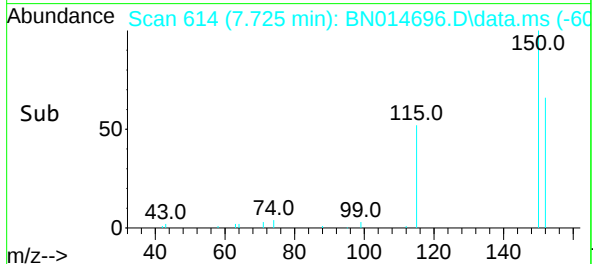
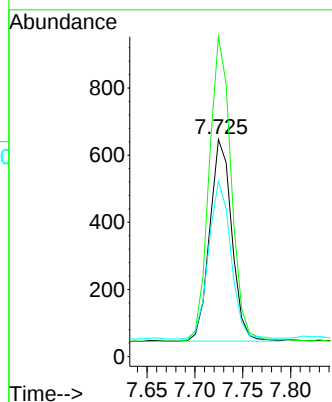
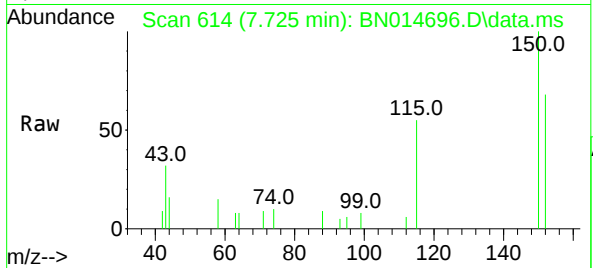




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.725 min Scan# 614  
Delta R.T. -0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

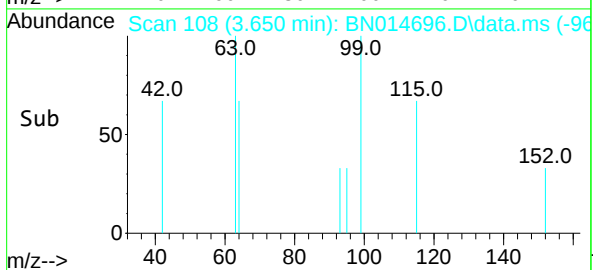
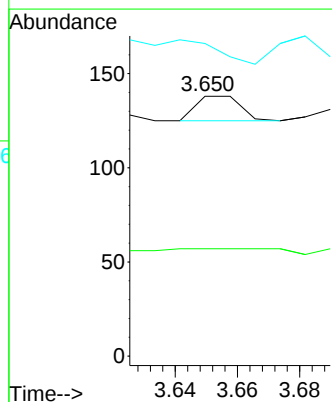
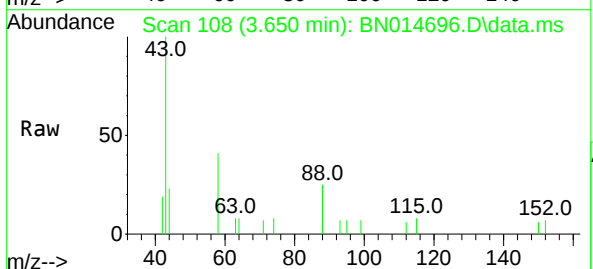
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

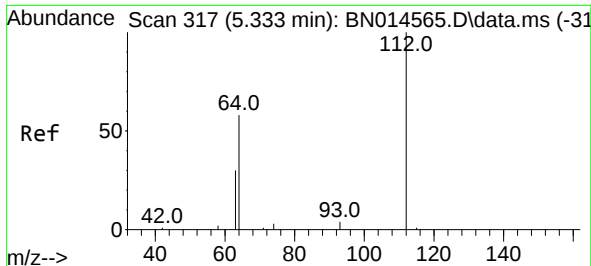
Tgt Ion:152 Resp: 962  
Ion Ratio Lower Upper  
152 100  
150 147.3 123.8 185.8  
115 80.8 47.0 70.4#



#3  
n-Nitrosodimethylamine  
Concen: 0.03 ng  
RT: 3.650 min Scan# 108  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion: 42 Resp: 13  
Ion Ratio Lower Upper  
42 100  
74 0.0 175.1 262.7#  
44 0.0 7.5 11.3#

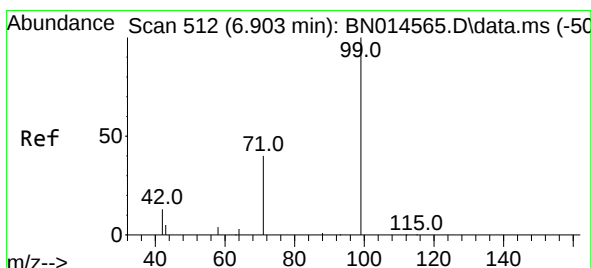
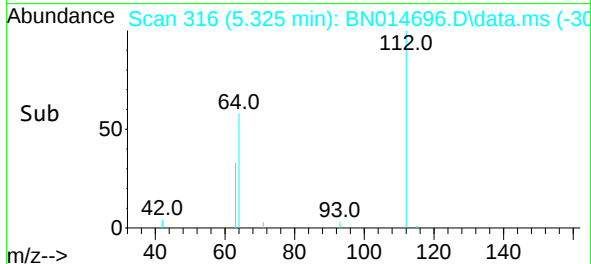
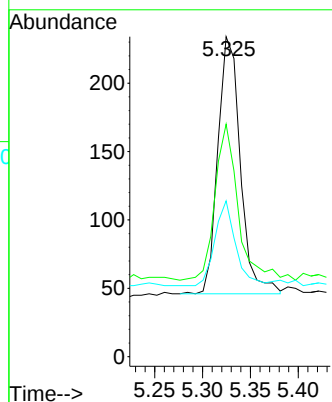
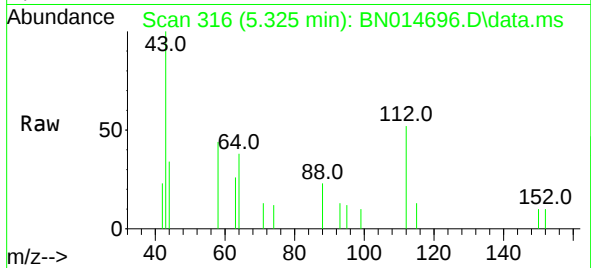




#4  
2-Fluorophenol  
Concen: 0.12 ng  
RT: 5.325 min Scan# 316  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

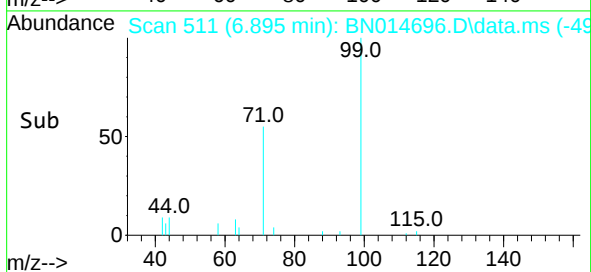
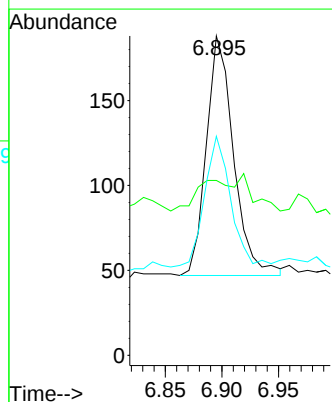
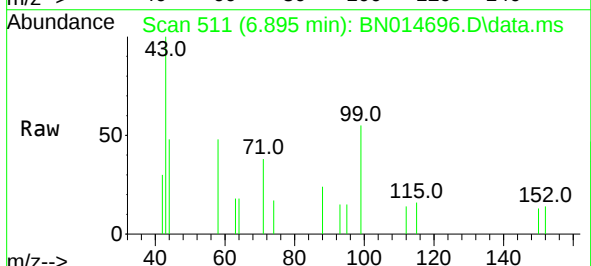
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

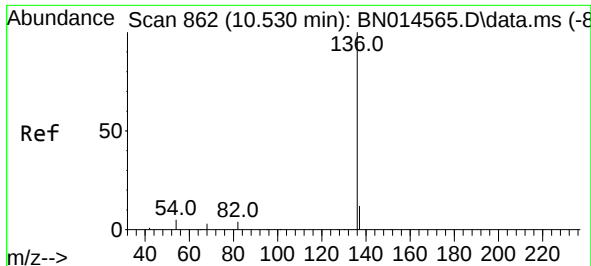
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 306       |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 64          | 61.8  | 41.8 62.6 |
| 63          | 30.4  | 22.0 33.0 |



#5  
Phenol-d6  
Concen: 0.07 ng  
RT: 6.895 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 99 | Resp: | 236        |
| Ion Ratio   | Lower | Upper      |
| 99          | 100   |            |
| 42          | 0.0   | 13.2 19.8# |
| 71          | 52.5  | 26.2 39.2# |

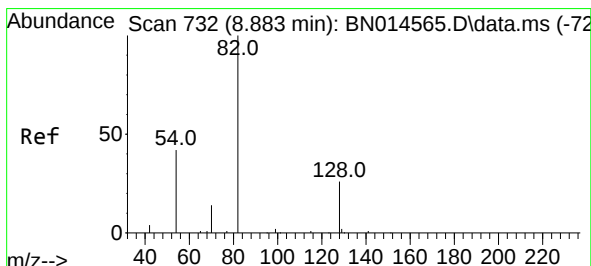
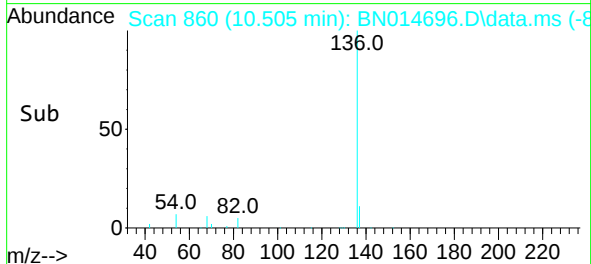
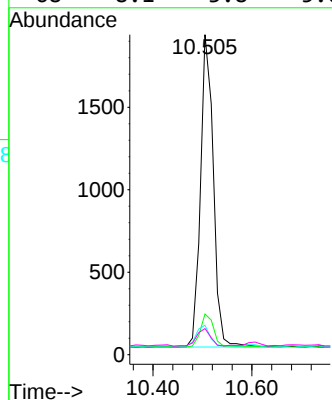
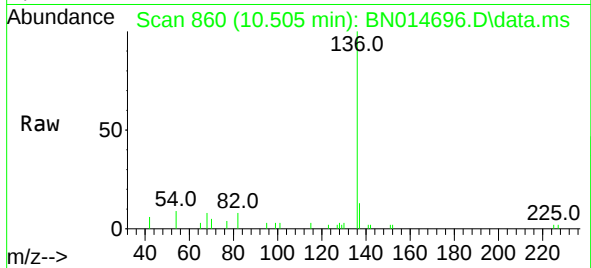




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.505 min Scan# 860  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

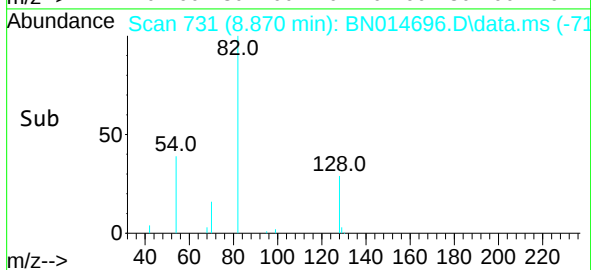
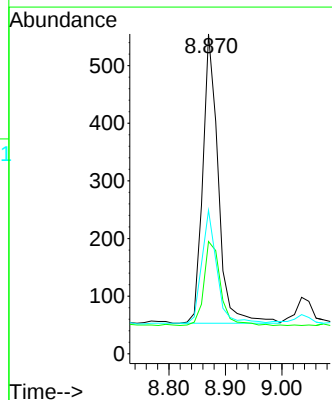
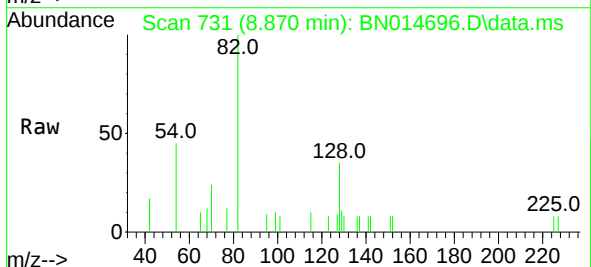
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

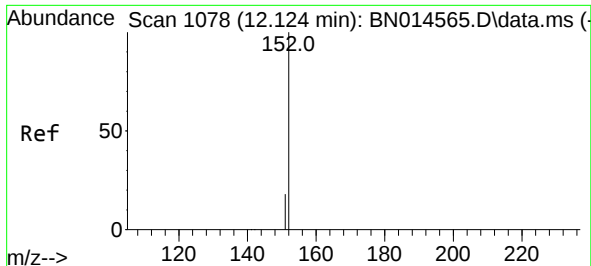
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 3425 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.7  | 8.9   | 13.3 |
| 54        | 9.2   | 3.8   | 5.8# |
| 68        | 8.1   | 3.8   | 5.6# |



#8  
Nitrobenzene-d5  
Concen: 0.32 ng  
RT: 8.870 min Scan# 731  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 955  |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 35.1  | 29.5  | 44.3 |
| 54        | 44.9  | 36.9  | 55.3 |

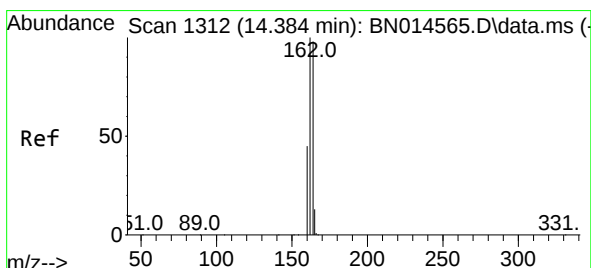
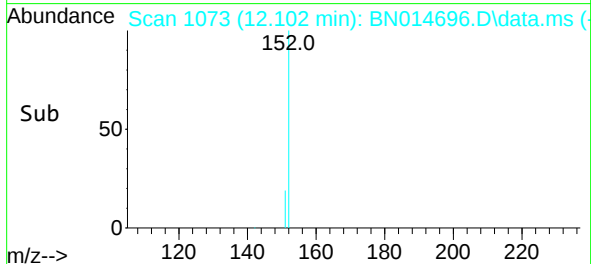
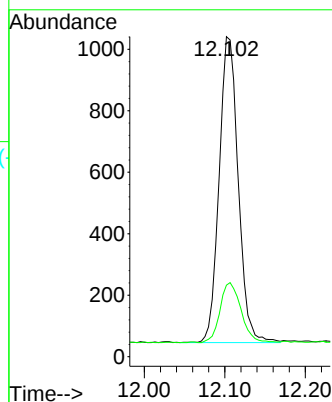
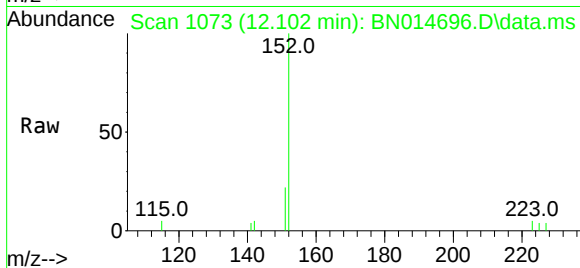




#11  
2-Methylnaphthalene-d10  
Concen: 0.20 ng  
RT: 12.102 min Scan# 1073  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

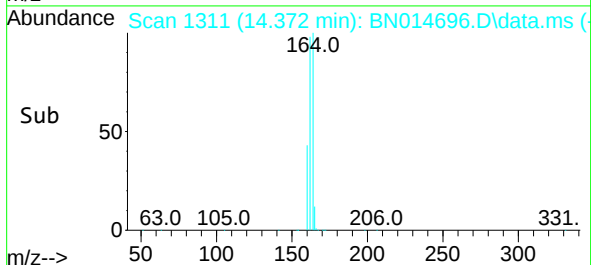
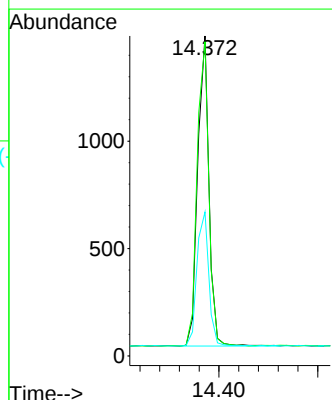
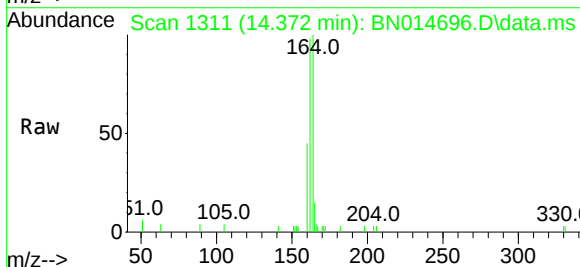
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

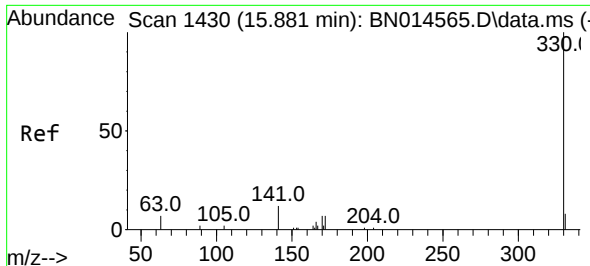
Tgt Ion:152 Resp: 1638  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.372 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:164 Resp: 2286  
Ion Ratio Lower Upper  
164 100  
162 98.2 78.6 118.0  
160 45.0 35.8 53.8

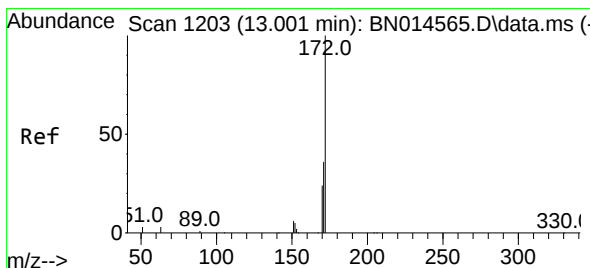
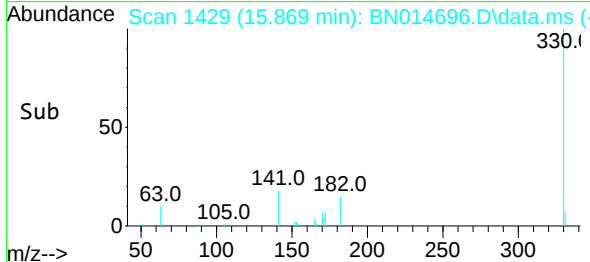
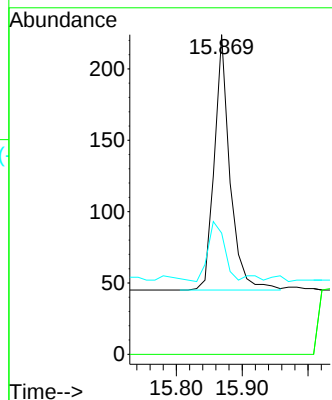
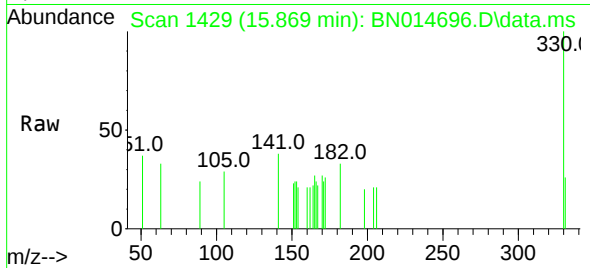




#14  
2,4,6-Tribromophenol  
Concen: 0.28 ng  
RT: 15.869 min Scan# 1429  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

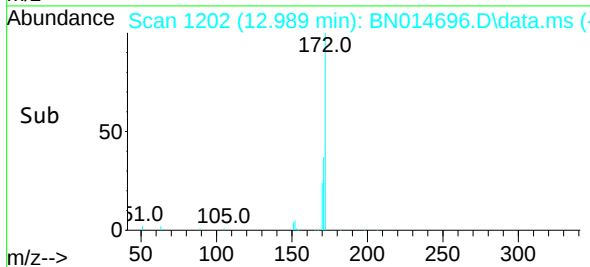
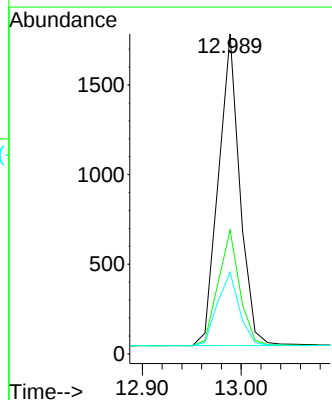
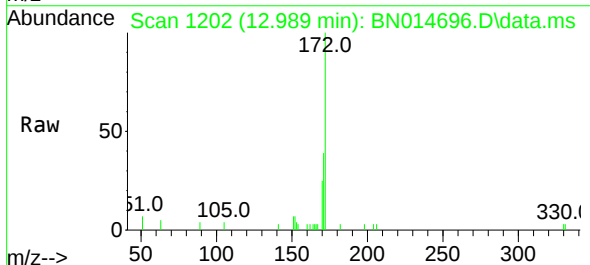
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

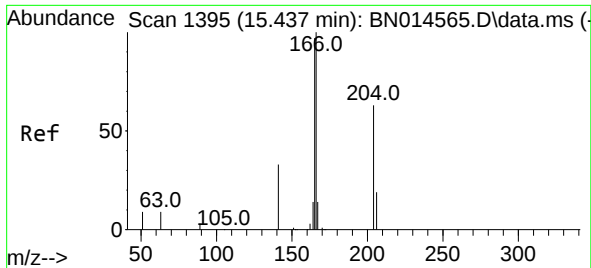
Tgt Ion:330 Resp: 295  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 24.7 27.0 40.4#



#15  
2-Fluorobiphenyl  
Concen: 0.31 ng  
RT: 12.989 min Scan# 1202  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:172 Resp: 2611  
Ion Ratio Lower Upper  
172 100  
171 38.7 27.1 40.7  
170 25.5 18.3 27.5

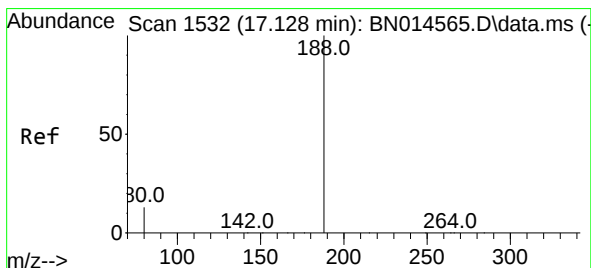
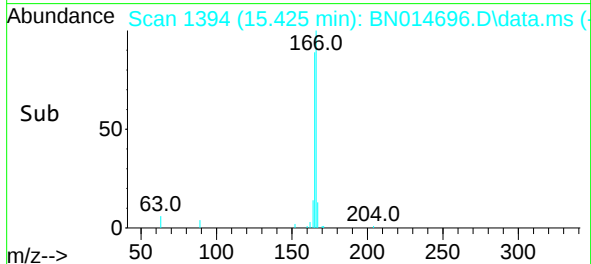
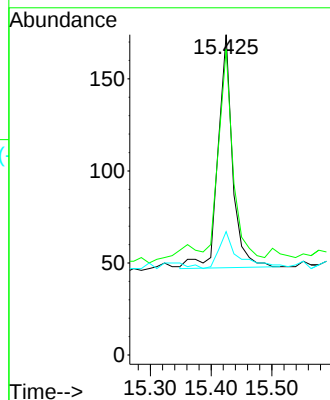
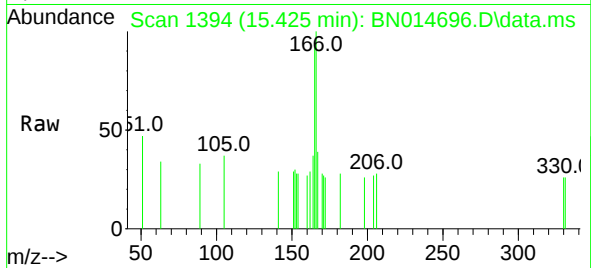




#18  
Fluorene  
Concen: 0.02 ng  
RT: 15.425 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

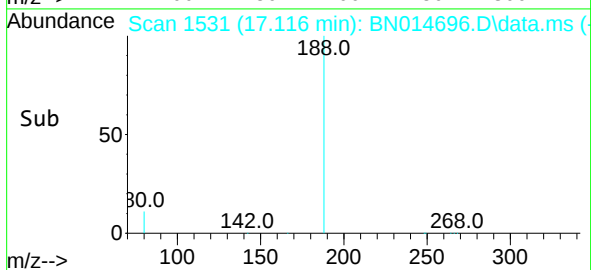
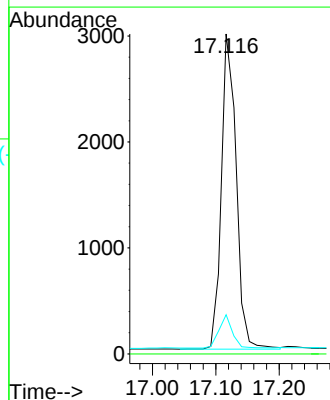
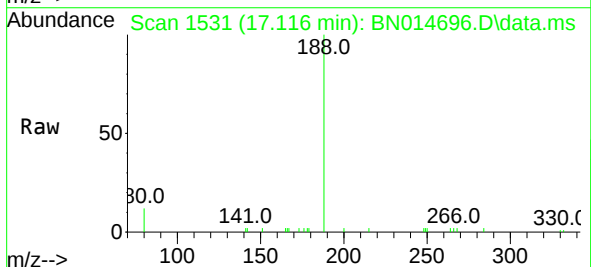
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

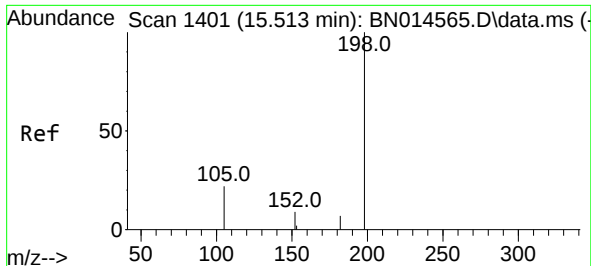
Tgt Ion:166 Resp: 208  
Ion Ratio Lower Upper  
166 100  
165 91.3 78.4 117.6  
167 22.1 10.7 16.1#



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.116 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:188 Resp: 4817  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.2 5.2 7.8#

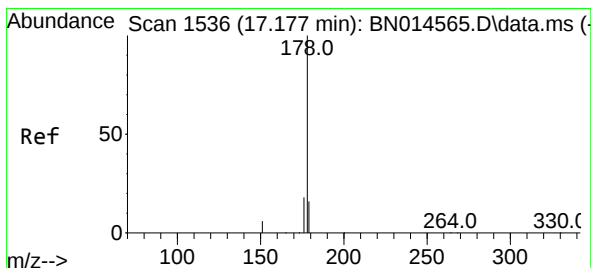
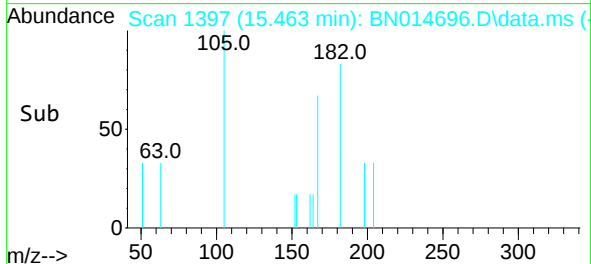
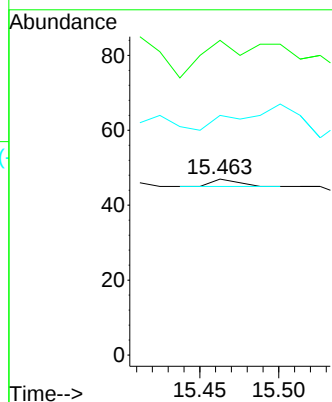
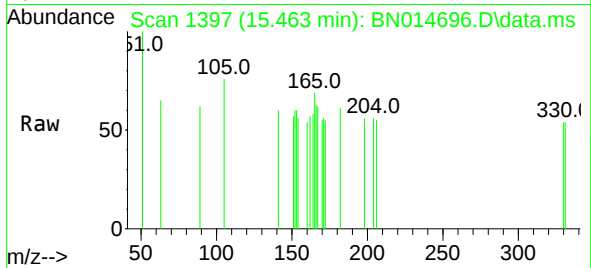




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.15 ng  
RT: 15.463 min Scan# 1397  
Delta R.T. -0.038 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

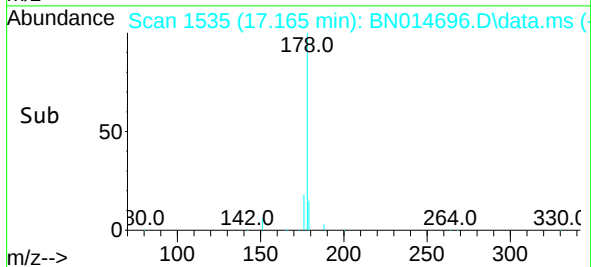
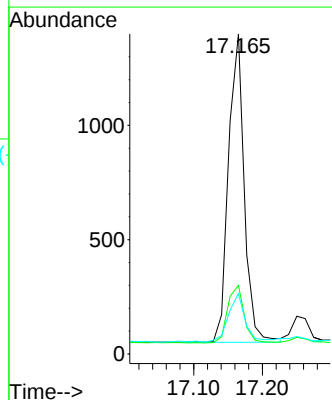
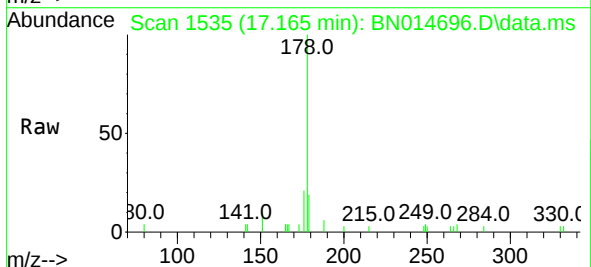
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

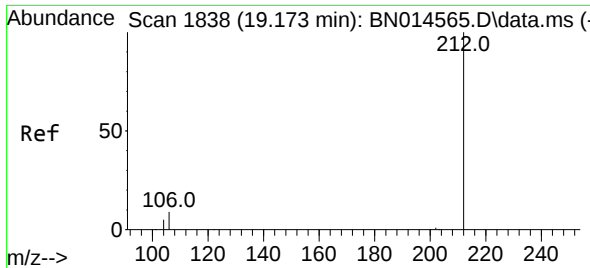
Tgt Ion:198 Resp: 2  
Ion Ratio Lower Upper  
198 100  
51 178.7 865.3 1297.9#  
105 136.2 93.6 140.4



#25  
Phenanthrene  
Concen: 0.16 ng  
RT: 17.165 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:178 Resp: 2155  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.2 22.8  
179 16.6 12.4 18.6

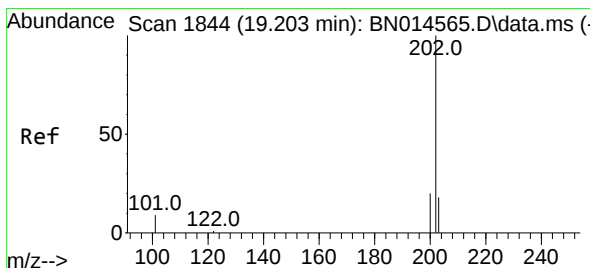
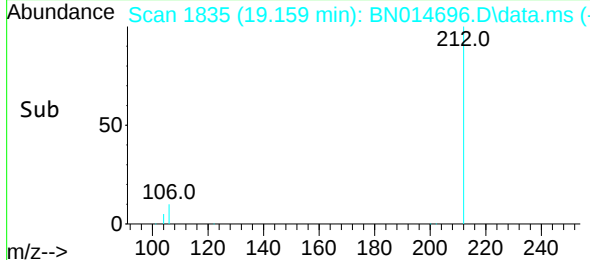
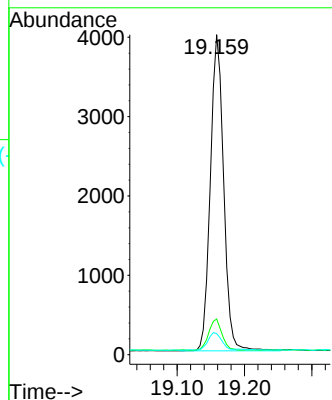
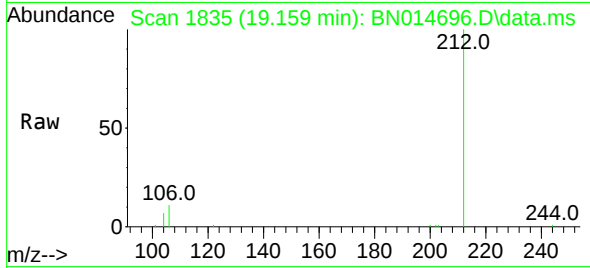




#27  
Fluoranthene-d10  
Concen: 0.25 ng  
RT: 19.159 min Scan# 1835  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

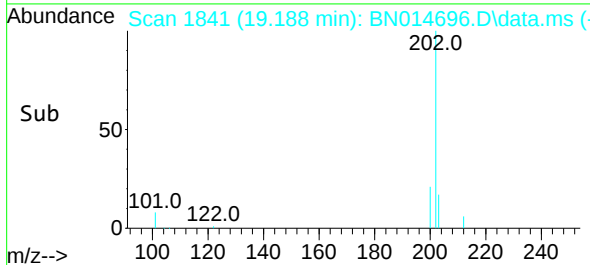
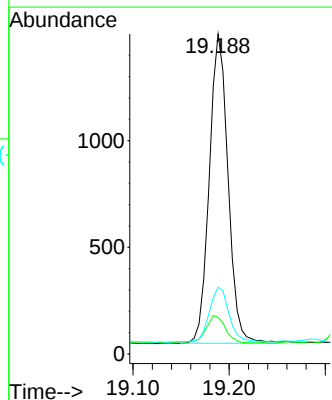
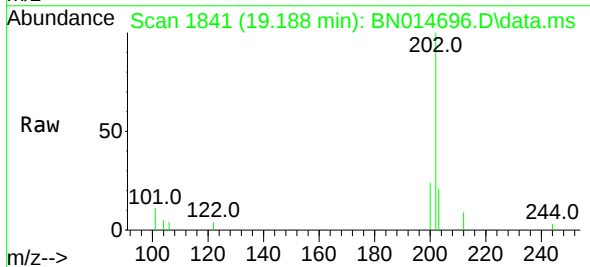
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

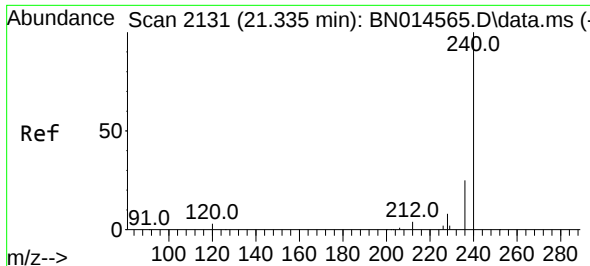
Tgt Ion:212 Resp: 5454  
Ion Ratio Lower Upper  
212 100  
106 9.8 10.1 15.1#  
104 5.8 5.4 8.2



#28  
Fluoranthene  
Concen: 0.11 ng  
RT: 19.188 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:202 Resp: 1963  
Ion Ratio Lower Upper  
202 100  
101 9.4 8.4 12.6  
203 19.3 13.5 20.3

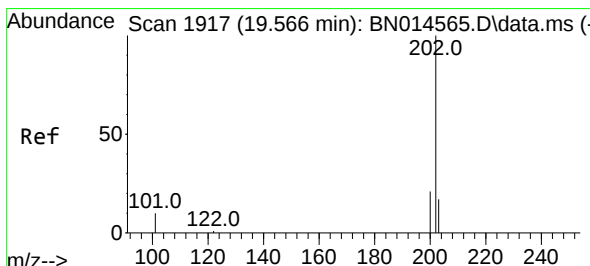
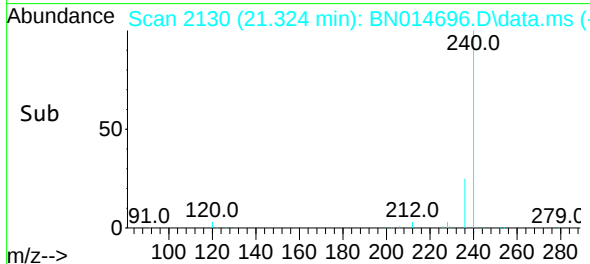
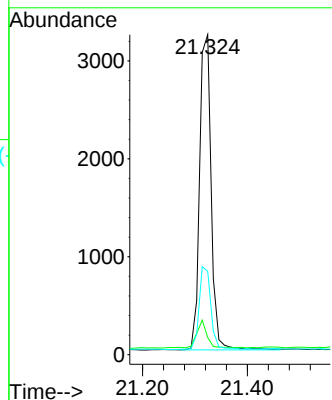
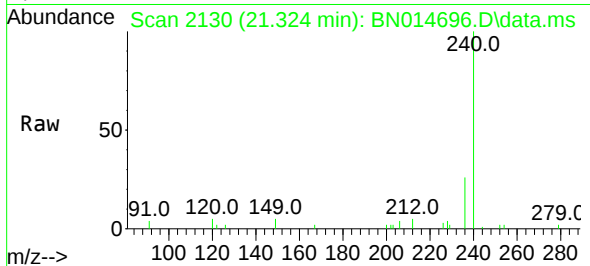




#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.324 min Scan# 2130  
Delta R.T. 0.011 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

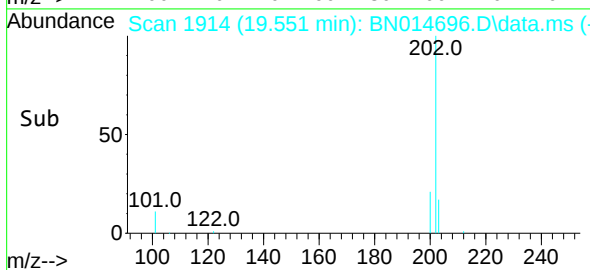
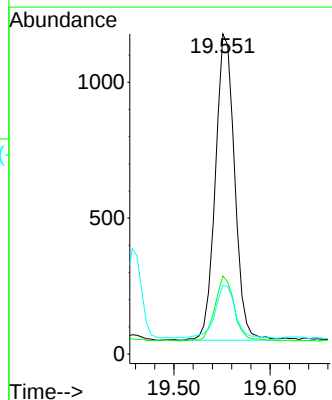
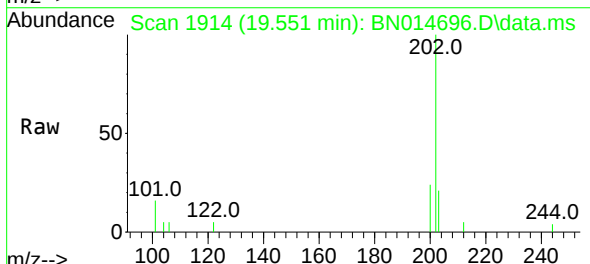
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

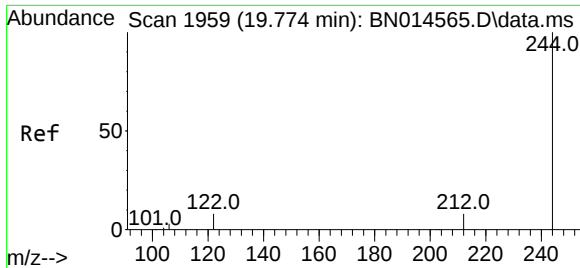
Tgt Ion:240 Resp: 4961  
Ion Ratio Lower Upper  
240 100  
120 5.4 5.8 8.8#  
236 26.1 20.6 30.8



#30  
Pyrene  
Concen: 0.12 ng  
RT: 19.551 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

Tgt Ion:202 Resp: 1566  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.3 24.5  
203 19.0 14.0 21.0

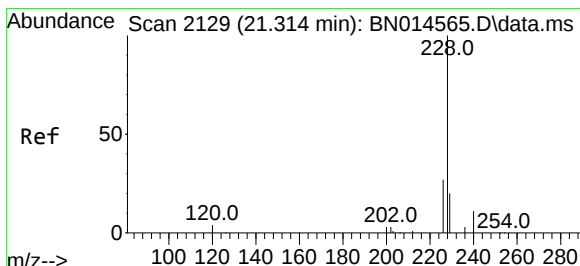
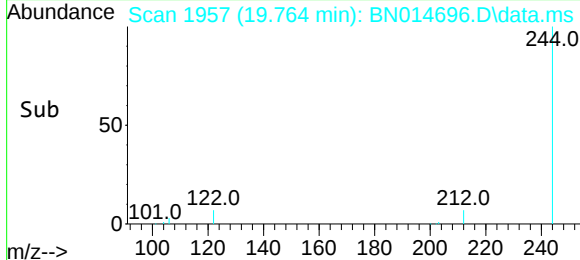
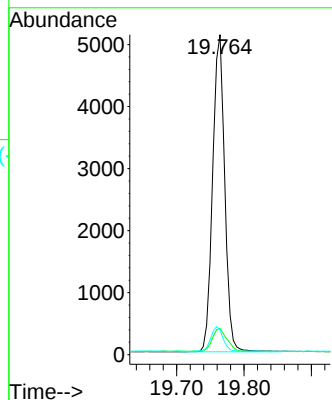
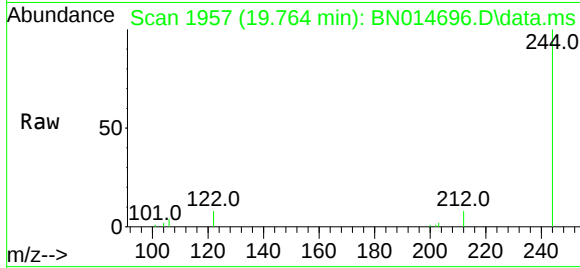




#31  
 Terphenyl-d14  
 Concen: 0.54 ng  
 RT: 19.764 min Scan# 1957  
 Delta R.T. 0.005 min  
 Lab File: BN014696.D  
 Acq: 21 May 2021 16:48

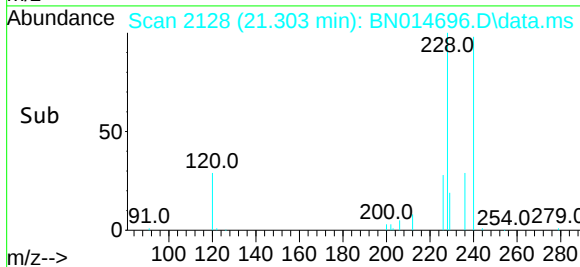
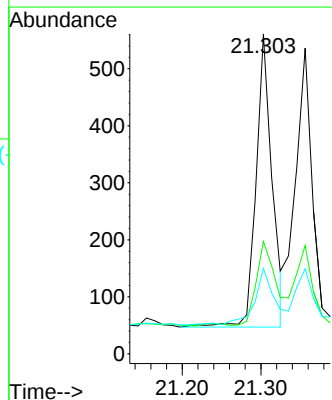
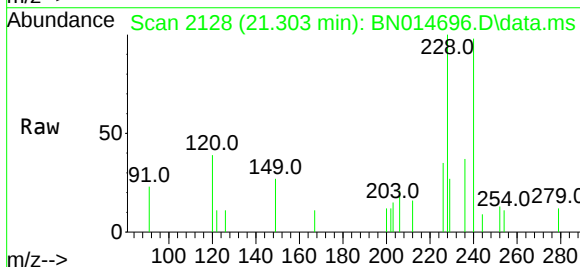
Instrument :  
 BNA\_N  
 ClientSampleId :  
 FB-01-05112021

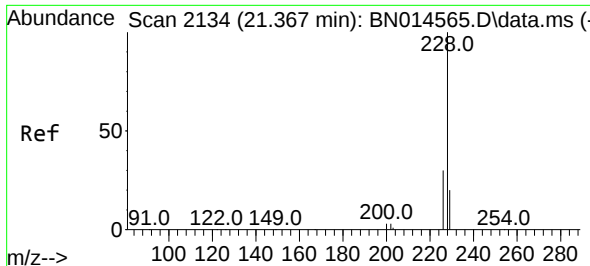
Tgt Ion:244 Resp: 6339  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.0 9.0  
 122 7.7 9.3 13.9#



#32  
 Benzo(a)anthracene  
 Concen: 0.05 ng  
 RT: 21.303 min Scan# 2128  
 Delta R.T. 0.000 min  
 Lab File: BN014696.D  
 Acq: 21 May 2021 16:48

Tgt Ion:228 Resp: 730  
 Ion Ratio Lower Upper  
 228 100  
 226 35.1 21.7 32.5#  
 229 26.7 15.7 23.5#

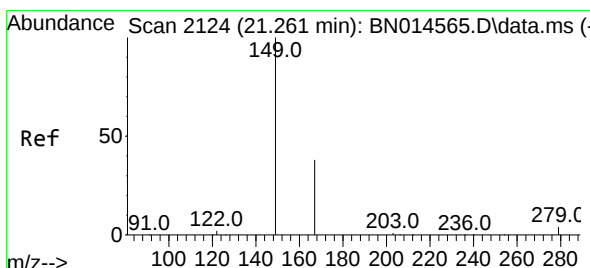
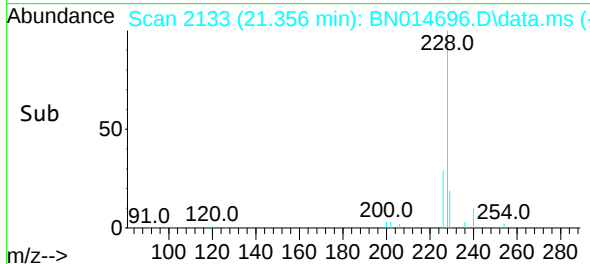
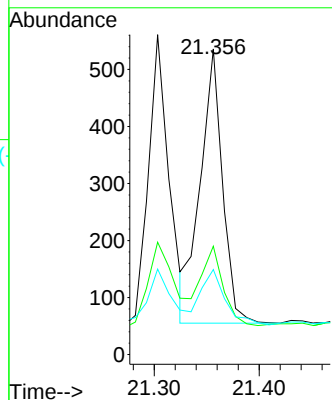
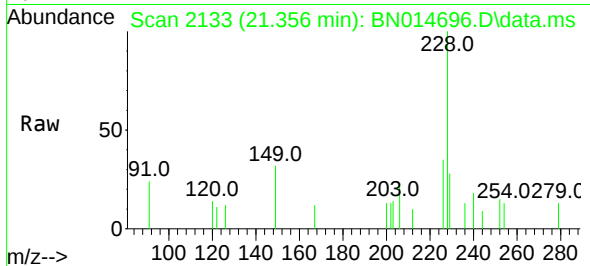




#33  
Chrysene  
Concen: 0.05 ng  
RT: 21.356 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

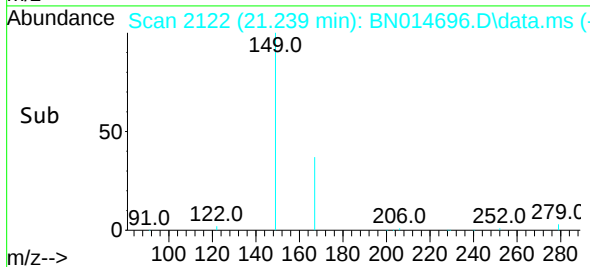
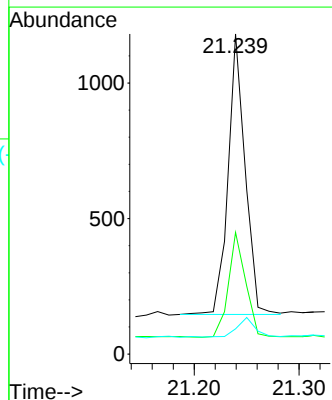
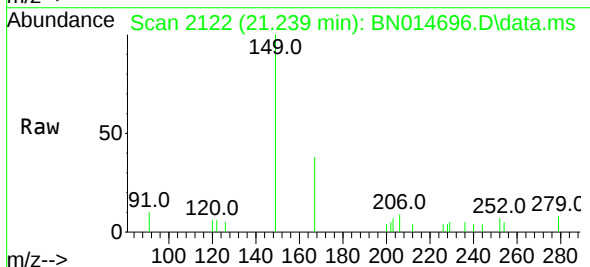
Instrument :  
BNA\_N  
ClientSampleId :  
FB-01-05112021

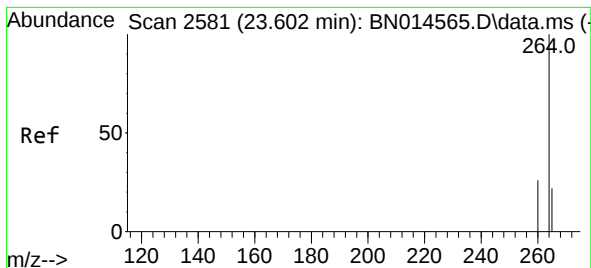
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:228 | Resp: | 705        |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 226         | 35.4  | 23.8 35.6  |
| 229         | 27.8  | 15.6 23.4# |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.29 ng  
RT: 21.239 min Scan# 2122  
Delta R.T. 0.000 min  
Lab File: BN014696.D  
Acq: 21 May 2021 16:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:149 | Resp: | 1165       |
| Ion Ratio   | Lower | Upper      |
| 149         | 100   |            |
| 167         | 37.8  | 20.5 30.7# |
| 279         | 7.3   | 2.9 4.3#   |





#35

Perylene-d12

Concen: 0.40 ng

RT: 23.585 min Scan# 2576

Delta R.T. 0.000 min

Lab File: BN014696.D

Acq: 21 May 2021 16:48

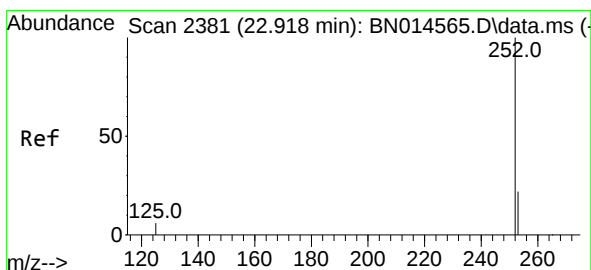
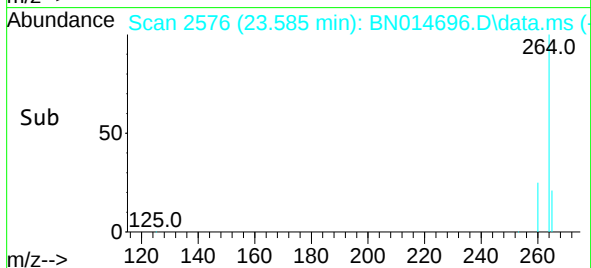
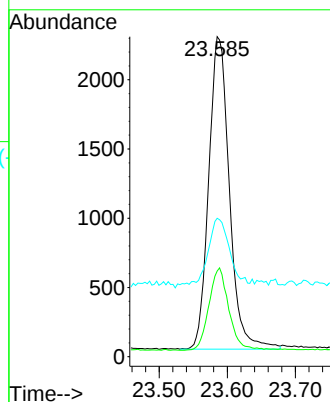
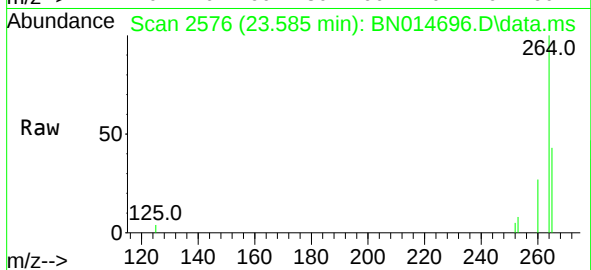
Tgt Ion:264 Resp: 4756

Ion Ratio Lower Upper

264 100

260 26.8 19.5 29.3

265 43.3 35.4 53.0



#37

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 22.911 min Scan# 2379

Delta R.T. 0.010 min

Lab File: BN014696.D

Acq: 21 May 2021 16:48

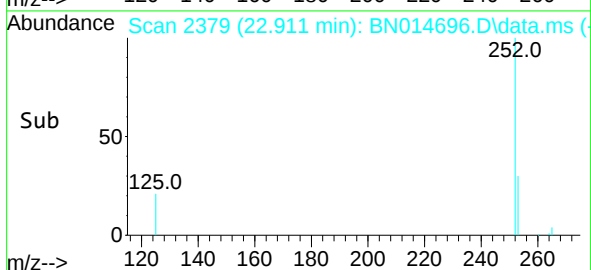
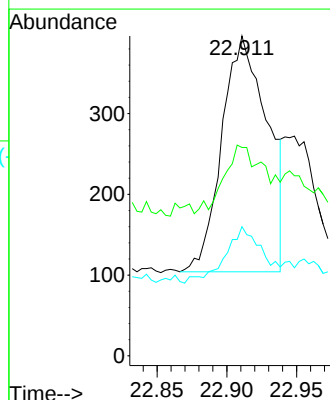
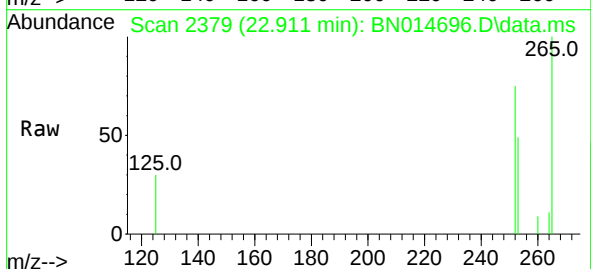
Tgt Ion:252 Resp: 663

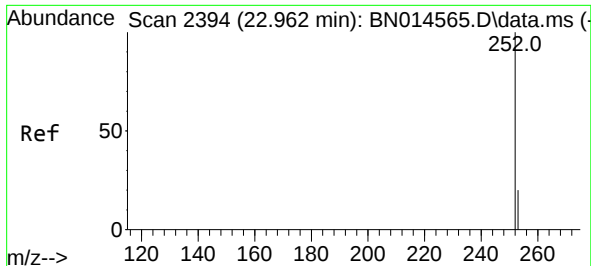
Ion Ratio Lower Upper

252 100

253 65.2 19.6 29.4#

125 40.4 10.3 15.5#





#38

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 22.911 min Scan# 2379

Delta R.T. -0.034 min

Lab File: BN014696.D

Acq: 21 May 2021 16:48

Tgt Ion:252 Resp: 663

Ion Ratio Lower Upper

252 100

253 65.2 19.7 29.5#

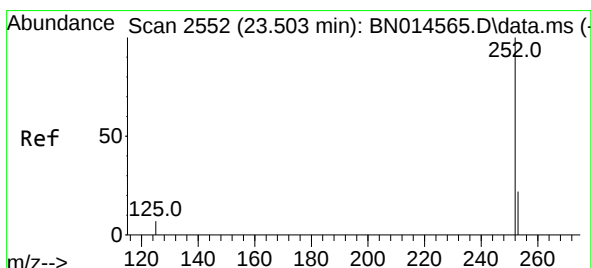
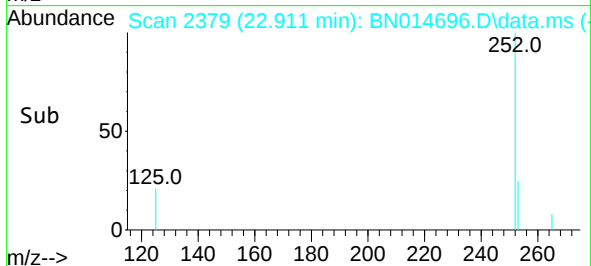
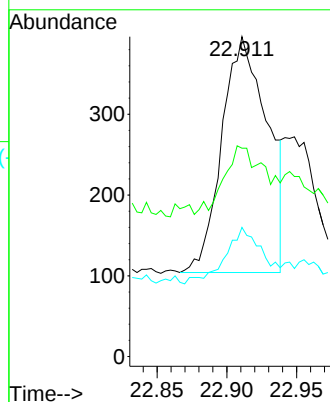
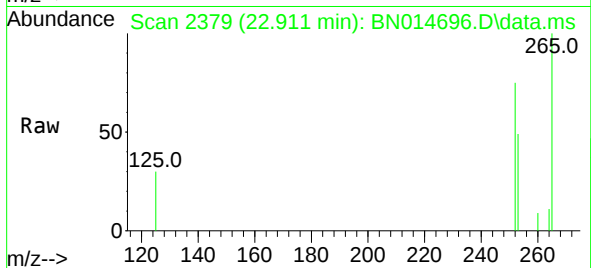
125 40.4 9.7 14.5#

Instrument :

BNA\_N

ClientSampleId :

FB-01-05112021



#39

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.493 min Scan# 2549

Delta R.T. 0.010 min

Lab File: BN014696.D

Acq: 21 May 2021 16:48

Tgt Ion:252 Resp: 410

Ion Ratio Lower Upper

252 100

253 84.4 21.8 32.6#

125 49.2 14.9 22.3#

