

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121321\  
 Data File : BN017971.D  
 Acq On : 13 Dec 2021 14:30  
 Operator : CG/JU  
 Sample : M4922-19MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D2-20211130MSD

Quant Time: Dec 14 03:41:06 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 11 00:01:30 2021  
 Response via : Initial Calibration

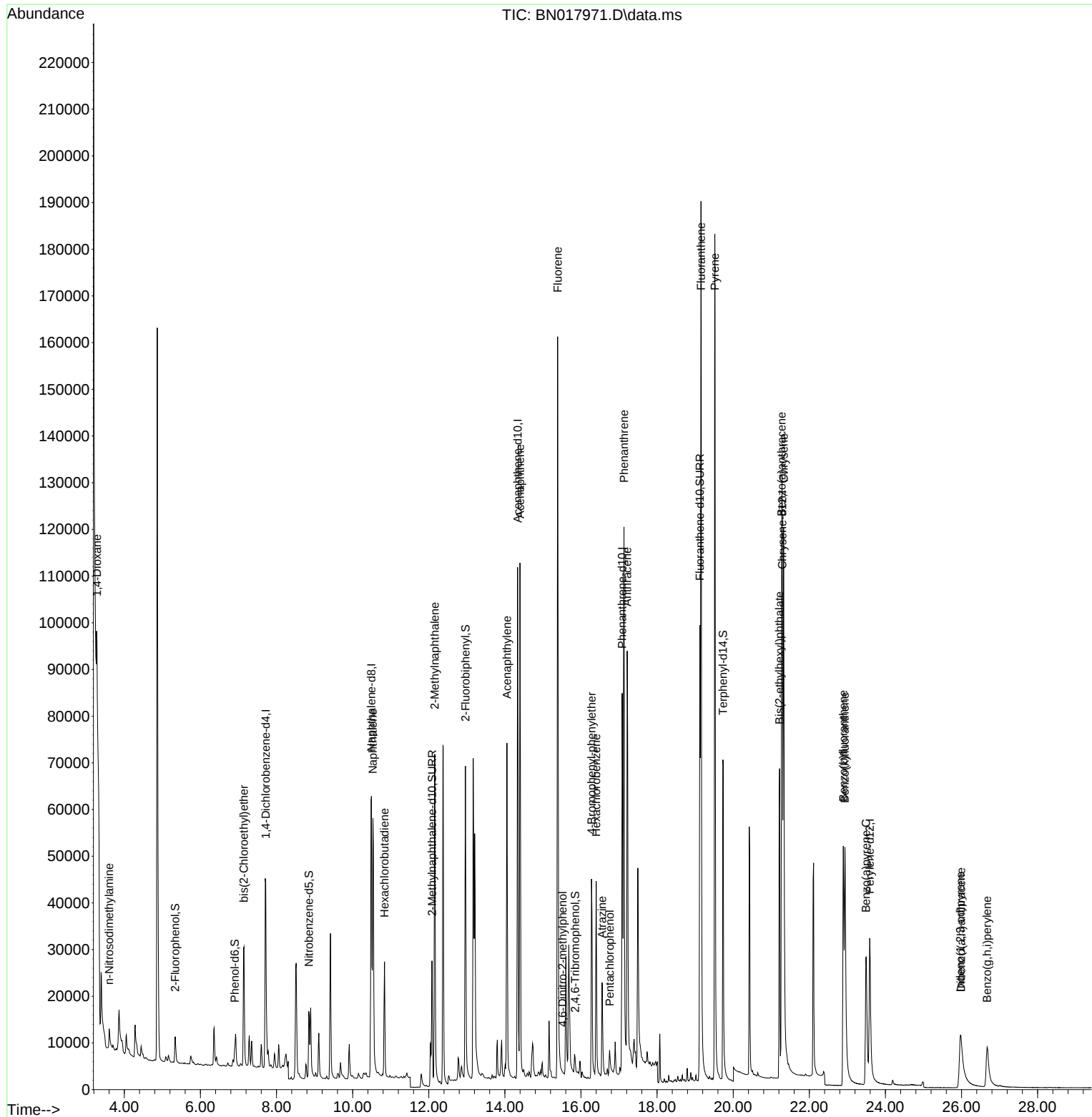
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.715  | 152  | 24537    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.494 | 136  | 101609   | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.335 | 164  | 65667    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.080 | 188  | 136790   | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.293 | 240  | 92912    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.589 | 264  | 57584    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.336  | 112  | 5947     | 0.118 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.903  | 99   | 3602     | 0.072 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.846  | 82   | 15029    | 0.227 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.085 | 152  | 43539    | 0.244 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.844 | 330  | 4799     | 0.466 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.964 | 172  | 62819    | 0.272 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.124 | 212  | 130591   | 0.295 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.730 | 244  | 97939    | 0.428 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.280  | 88   | 15124    | 2.031 | ng    | # 91     |
| 3) n-Nitrosodimethylamine     | 3.602  | 42   | 3705     | 0.165 | ng    | # 90     |
| 6) bis(2-Chloroethyl)ether    | 7.143  | 93   | 22372    | 0.363 | ng    | 99       |
| 9) Naphthalene                | 10.532 | 128  | 83488    | 0.330 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.836 | 225  | 20568    | 0.286 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.156 | 142  | 59115    | 0.352 | ng    | 99       |
| 16) Acenaphthylene            | 14.056 | 152  | 83640    | 0.341 | ng    | 99       |
| 17) Acenaphthene              | 14.398 | 154  | 55601    | 0.326 | ng    | 99       |
| 18) Fluorene                  | 15.388 | 166  | 74280    | 0.358 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.515 | 198  | 122      | 0.600 | ng    | 88       |
| 21) 4-Bromophenyl-phenylether | 16.277 | 248  | 27960    | 0.357 | ng    | # 86     |
| 22) Hexachlorobenzene         | 16.399 | 284  | 33657    | 0.329 | ng    | 99       |
| 23) Atrazine                  | 16.557 | 200  | 18919    | 0.372 | ng    | 99       |
| 24) Pentachlorophenol         | 16.752 | 266  | 4886     | 1.038 | ng    | 98       |
| 25) Phenanthrene              | 17.129 | 178  | 138538   | 0.396 | ng    | 99       |
| 26) Anthracene                | 17.214 | 178  | 121993   | 0.419 | ng    | 98       |
| 28) Fluoranthene              | 19.154 | 202  | 190187   | 0.442 | ng    | 100      |
| 30) Pyrene                    | 19.517 | 202  | 191122   | 0.525 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.272 | 228  | 110846   | 0.422 | ng    | 98       |
| 33) Chrysene                  | 21.325 | 228  | 122741   | 0.402 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.219 | 149  | 72841    | 0.730 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.968 | 276  | 29952    | 0.335 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.894 | 252  | 78601    | 0.413 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 22.935 | 252  | 71851    | 0.388 | ng    | 100      |
| 39) Benzo(a)pyrene            | 23.490 | 252  | 71575    | 0.423 | ng    | # 94     |
| 40) Dibenzo(a,h)anthracene    | 25.985 | 278  | 17893    | 0.317 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.673 | 276  | 33894    | 0.370 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

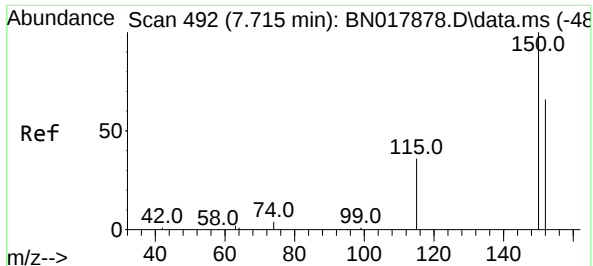
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4922-19MSD  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

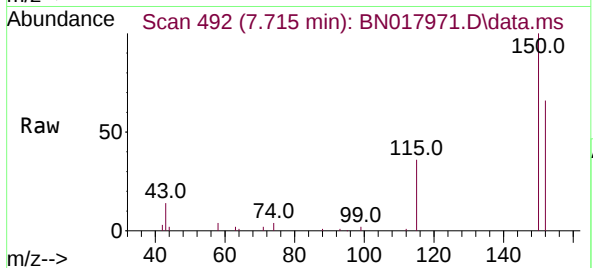
Quant Time: Dec 14 03:41:06 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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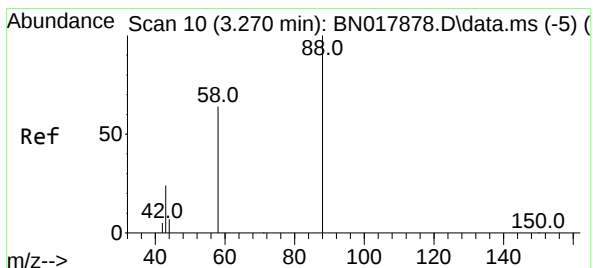
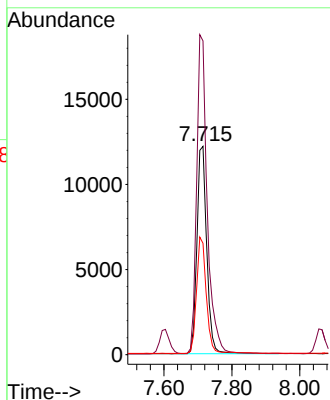
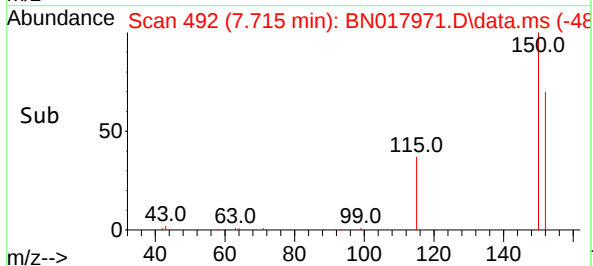


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.715 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

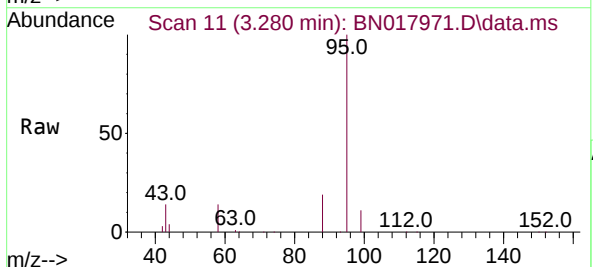
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD



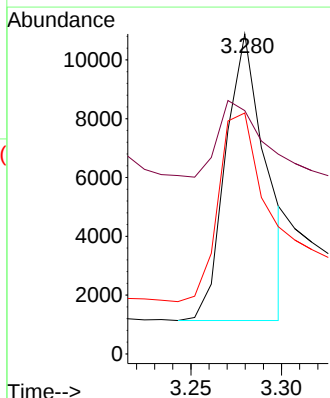
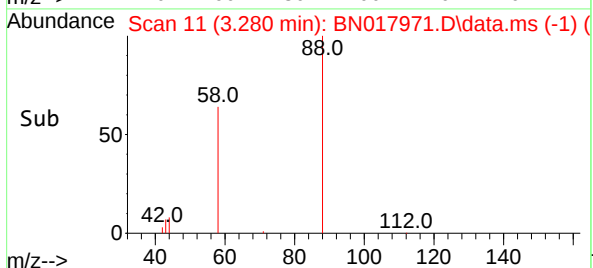
Tgt Ion:152 Resp: 24537  
Ion Ratio Lower Upper  
152 100  
150 150.6 121.9 182.9  
115 53.5 44.1 66.1

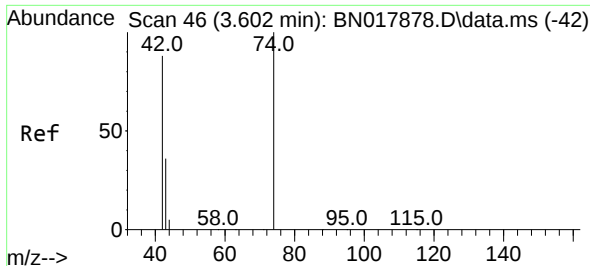


#2  
1,4-Dioxane  
Concen: 2.031 ng  
RT: 3.280 min Scan# 11  
Delta R.T. 0.009 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30



Tgt Ion: 88 Resp: 15124  
Ion Ratio Lower Upper  
88 100  
43 27.6 28.0 42.0#  
58 74.9 65.4 98.0

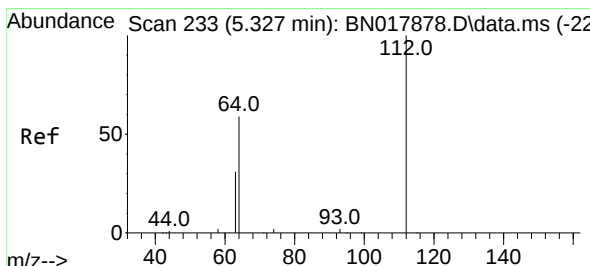
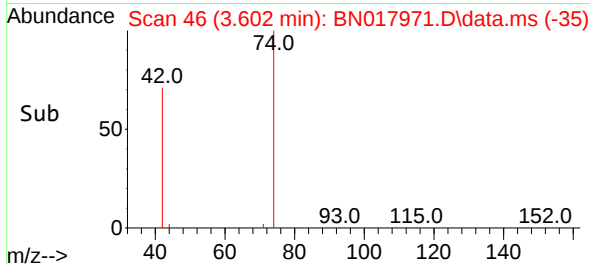
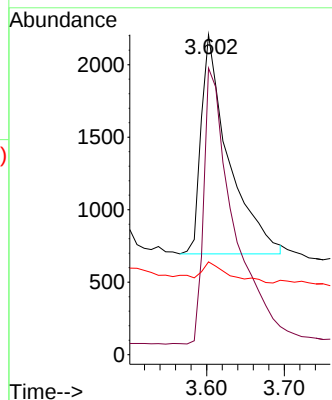
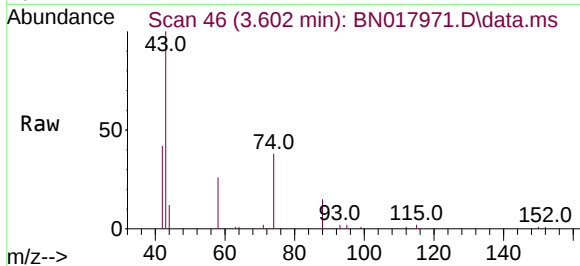




#3  
n-Nitrosodimethylamine  
Concen: 0.165 ng  
RT: 3.602 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

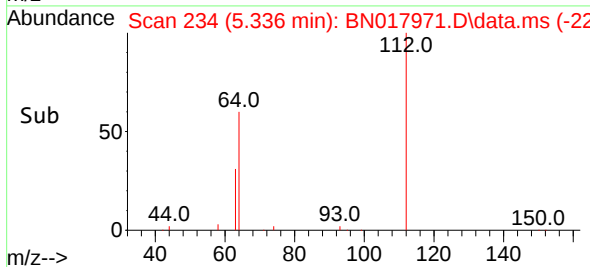
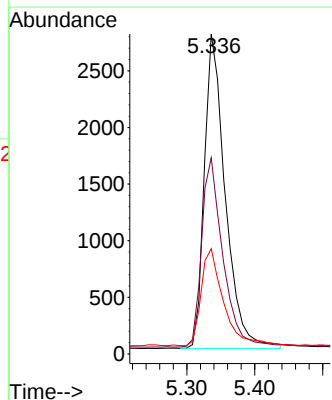
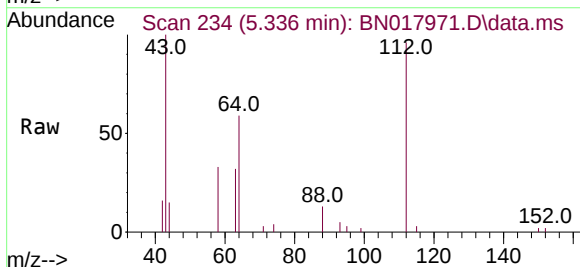
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

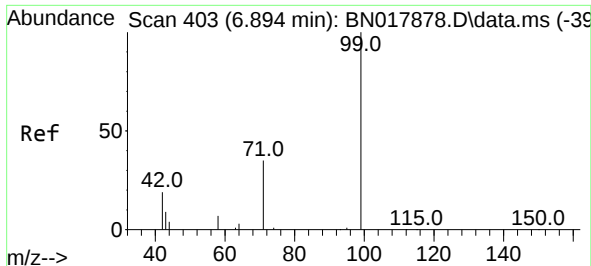
Tgt Ion: 42 Resp: 3705  
Ion Ratio Lower Upper  
42 100  
74 137.0 100.6 150.8  
44 8.9 5.2 7.8#



#4  
2-Fluorophenol  
Concen: 0.118 ng  
RT: 5.336 min Scan# 234  
Delta R.T. 0.009 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion: 112 Resp: 5947  
Ion Ratio Lower Upper  
112 100  
64 61.0 49.0 73.4  
63 32.6 26.2 39.2





#5

Phenol-d6

Concen: 0.072 ng

RT: 6.903 min Scan# 403

Delta R.T. 0.009 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

Instrument :

BNA\_N

ClientSampleId :

RE139D2-20211130MSD

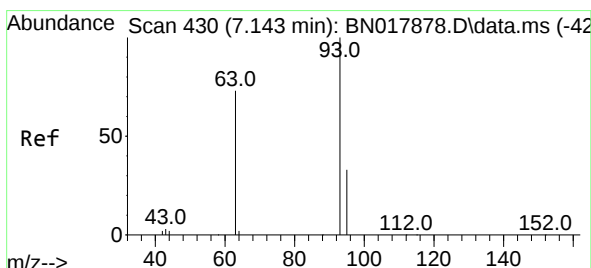
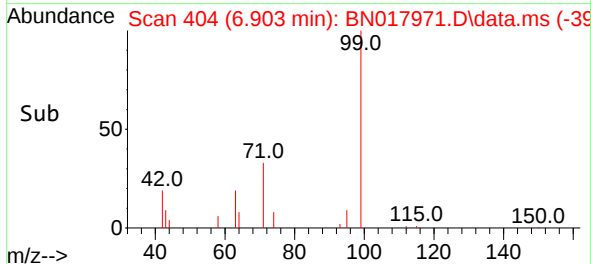
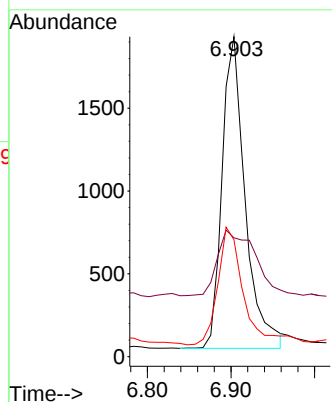
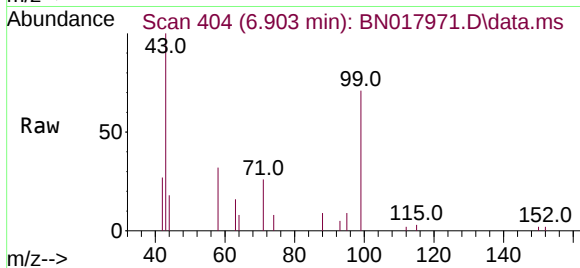
Tgt Ion: 99 Resp: 3602

Ion Ratio Lower Upper

99 100

42 33.6 17.0 25.4#

71 41.1 28.0 42.0



#6

bis(2-Chloroethyl)ether

Concen: 0.363 ng

RT: 7.143 min Scan# 430

Delta R.T. 0.000 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

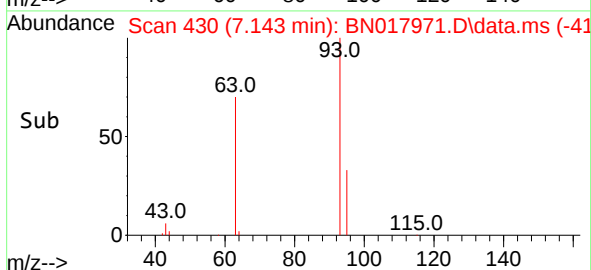
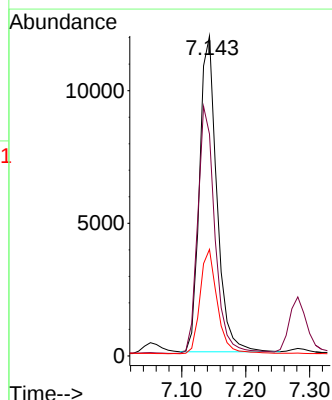
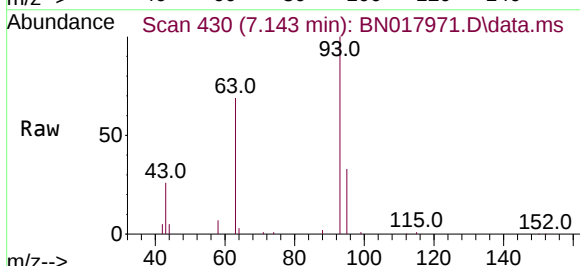
Tgt Ion: 93 Resp: 22372

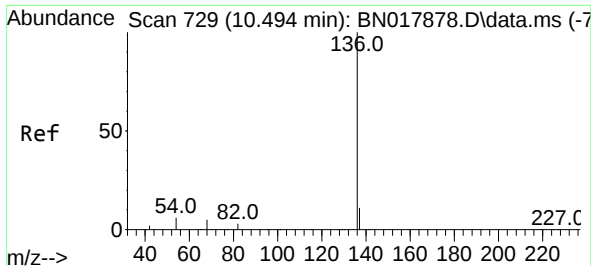
Ion Ratio Lower Upper

93 100

63 78.3 62.0 93.0

95 33.0 26.2 39.4

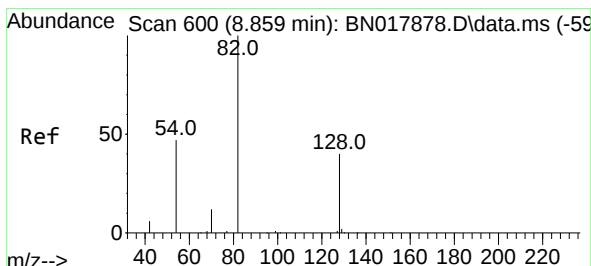
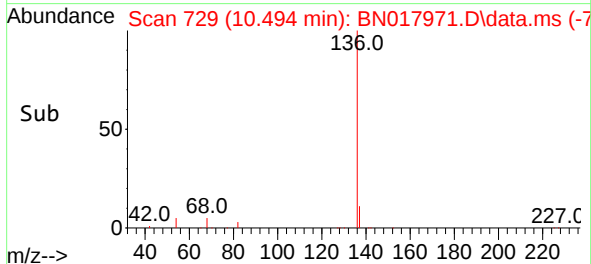
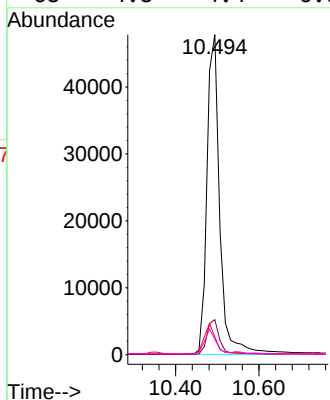
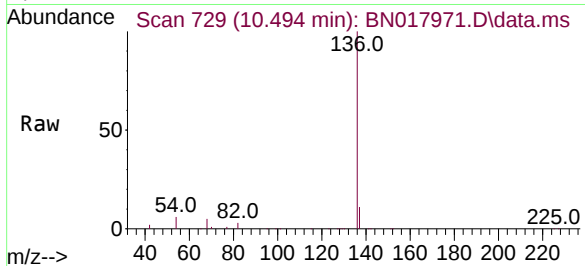




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.494 min Scan# 729  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

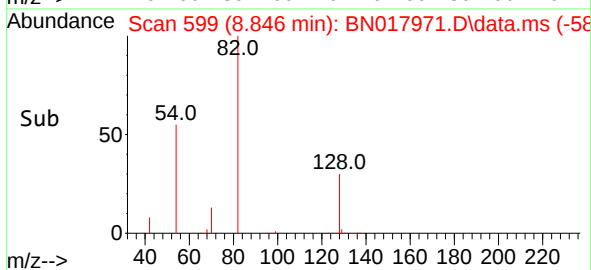
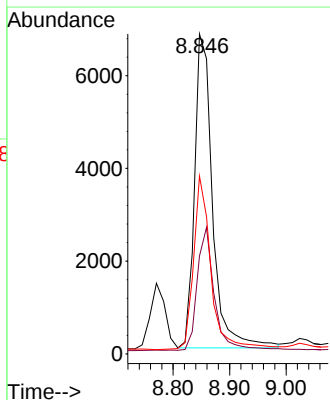
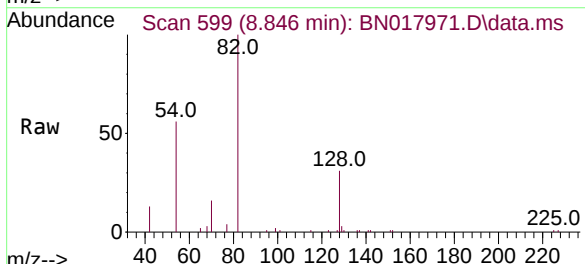
Instrument :  
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RE139D2-20211130MSD

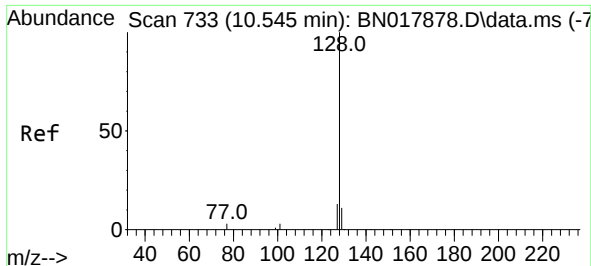
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|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 101609 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.8   | 13.2   |
| 54        | 5.5   | 5.1   | 7.7    |
| 68        | 4.8   | 4.4   | 6.6    |



#8  
Nitrobenzene-d5  
Concen: 0.227 ng  
RT: 8.846 min Scan# 599  
Delta R.T. -0.013 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 15029 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 30.6  | 32.2  | 48.4# |
| 54        | 55.6  | 37.6  | 56.4  |

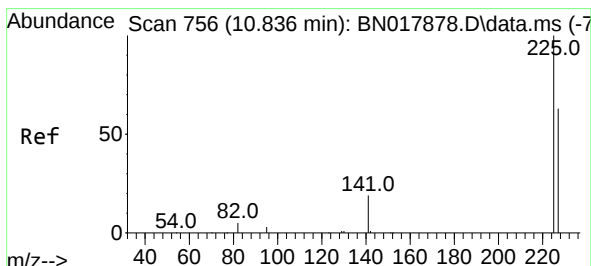
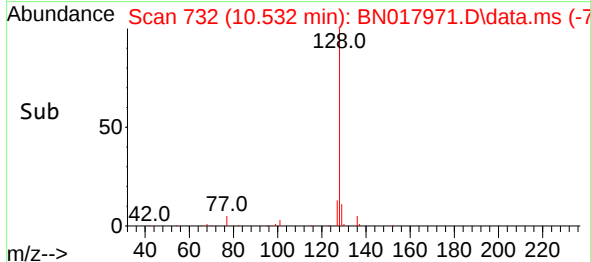
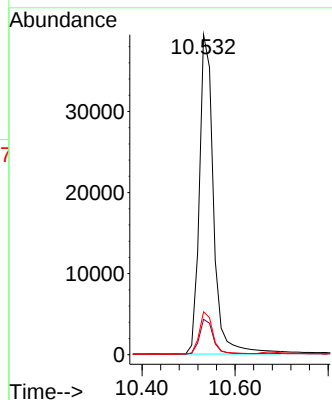
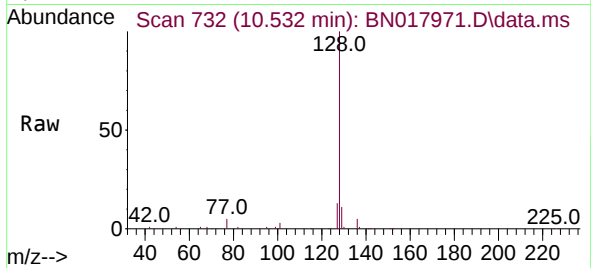




#9  
Naphthalene  
Concen: 0.330 ng  
RT: 10.532 min Scan# 71  
Delta R.T. -0.013 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

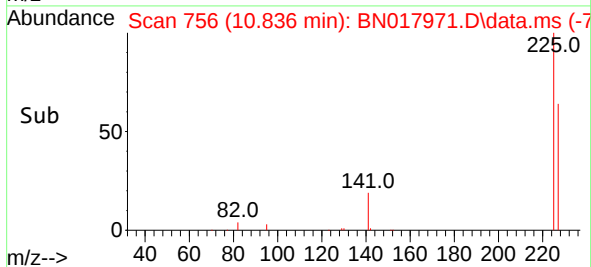
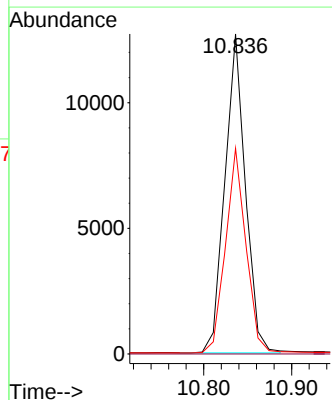
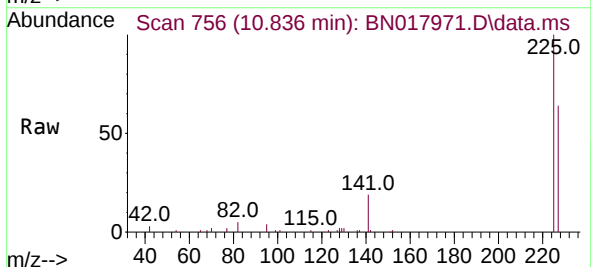
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RE139D2-20211130MSD

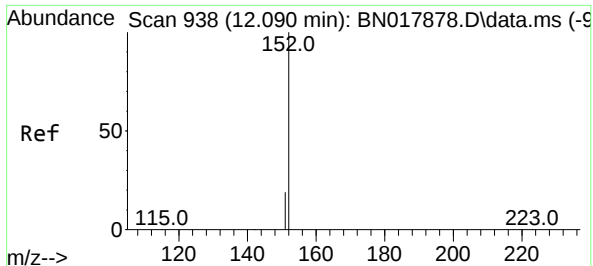
Tgt Ion:128 Resp: 83488  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.4 10.5 15.7



#10  
Hexachlorobutadiene  
Concen: 0.286 ng  
RT: 10.836 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:225 Resp: 20568  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.7 51.1 76.7





#11

2-Methylnaphthalene-d10

Concen: 0.244 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

Instrument :

BNA\_N

ClientSampleId :

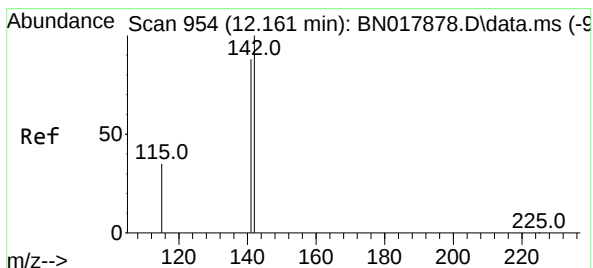
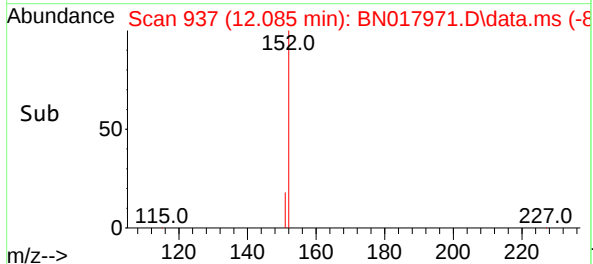
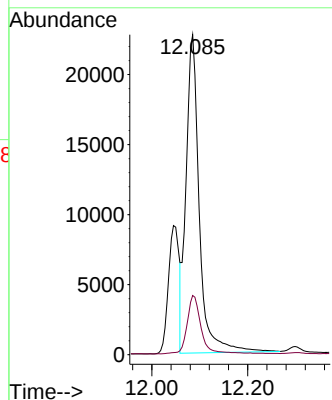
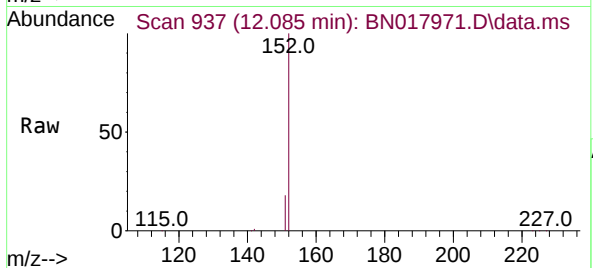
RE139D2-20211130MSD

Tgt Ion:152 Resp: 43539

Ion Ratio Lower Upper

152 100

151 19.4 16.4 24.6



#12

2-Methylnaphthalene

Concen: 0.352 ng

RT: 12.156 min Scan# 953

Delta R.T. -0.004 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

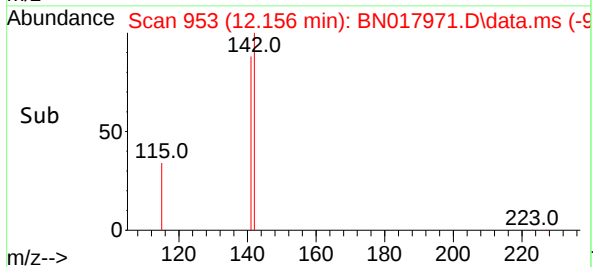
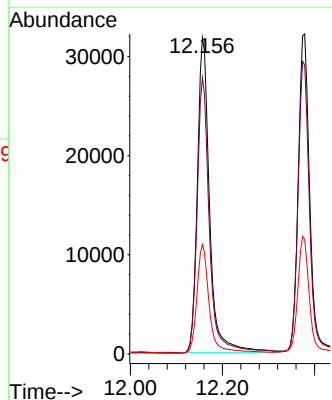
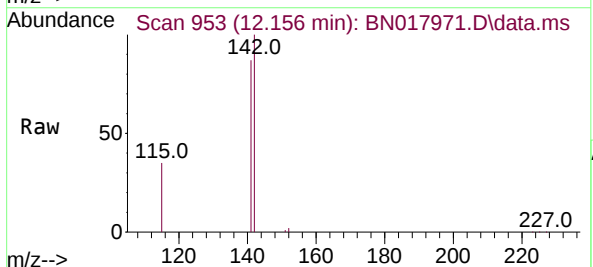
Tgt Ion:142 Resp: 59115

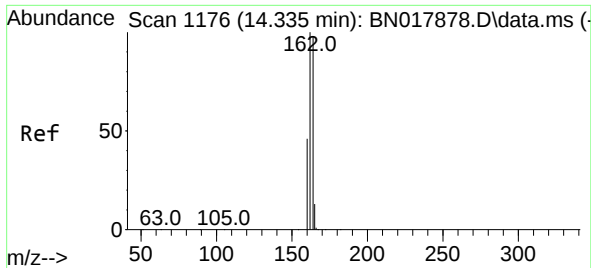
Ion Ratio Lower Upper

142 100

141 87.4 70.6 105.8

115 34.7 27.8 41.6

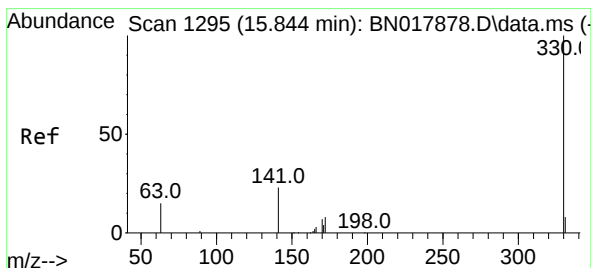
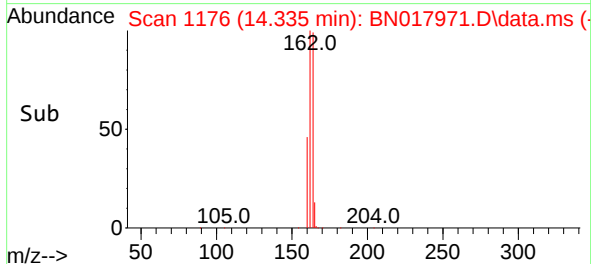
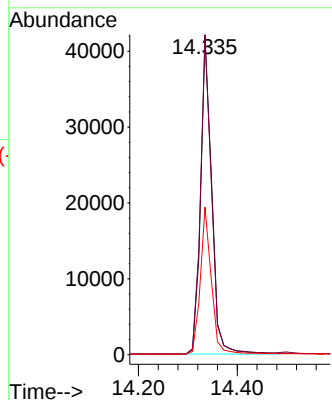
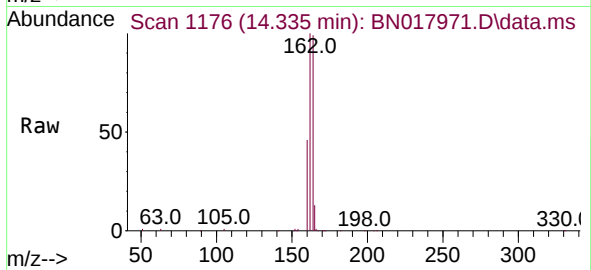




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.335 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

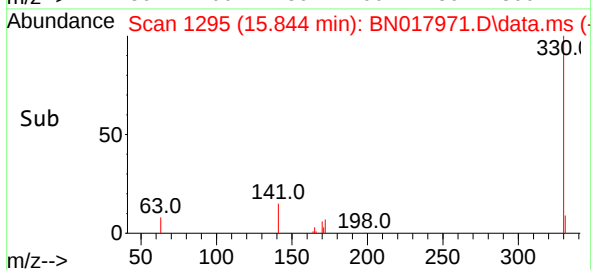
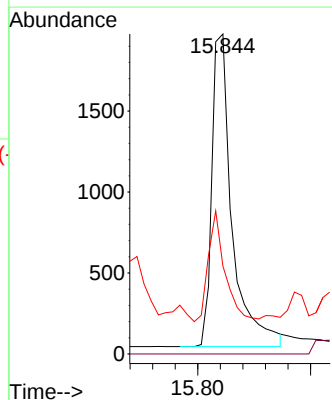
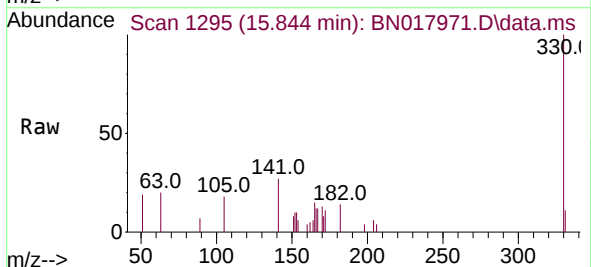
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

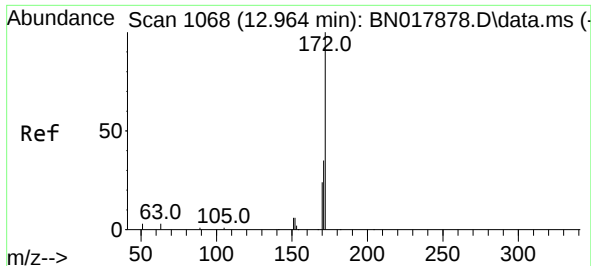
Tgt Ion:164 Resp: 65667  
Ion Ratio Lower Upper  
164 100  
162 101.0 82.1 123.1  
160 46.5 38.2 57.2



#14  
2,4,6-Tribromophenol  
Concen: 0.466 ng  
RT: 15.844 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:330 Resp: 4799  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 29.2 19.7 29.5

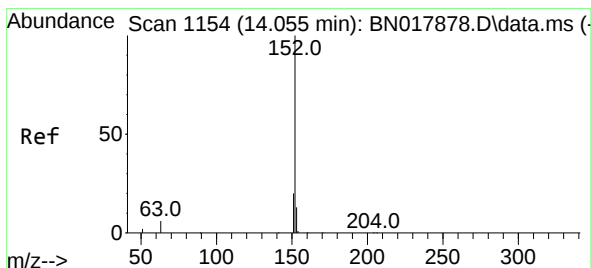
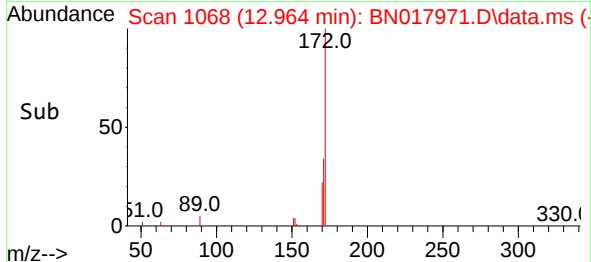
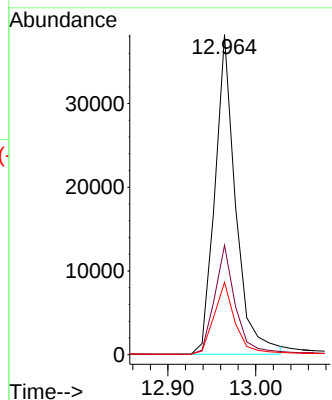
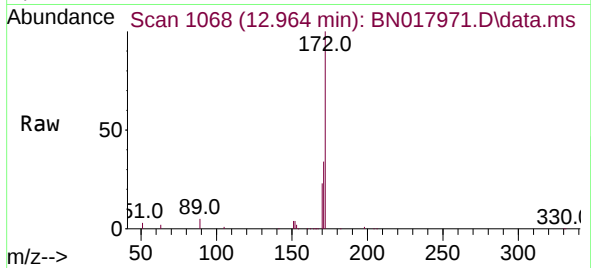




#15  
2-Fluorobiphenyl  
Concen: 0.272 ng  
RT: 12.964 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

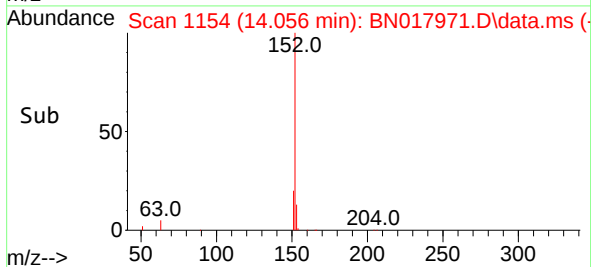
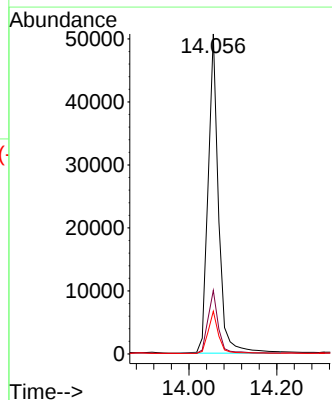
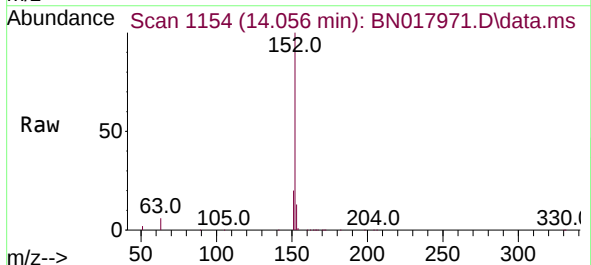
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

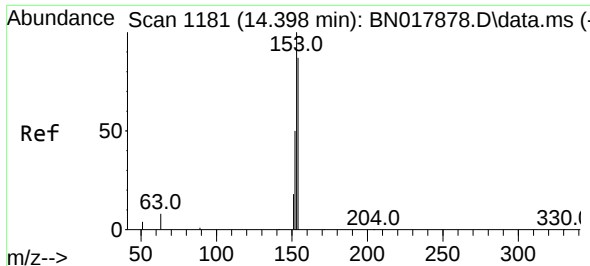
Tgt Ion:172 Resp: 62819  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.3 42.5  
170 22.6 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.341 ng  
RT: 14.056 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:152 Resp: 83640  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.6 23.4  
153 13.2 10.5 15.7

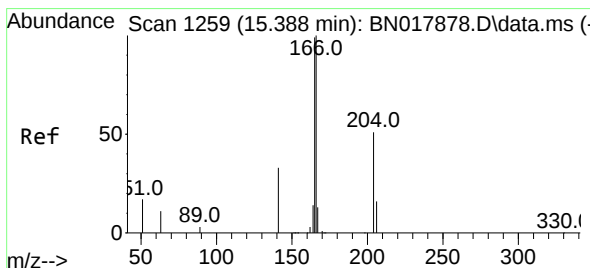
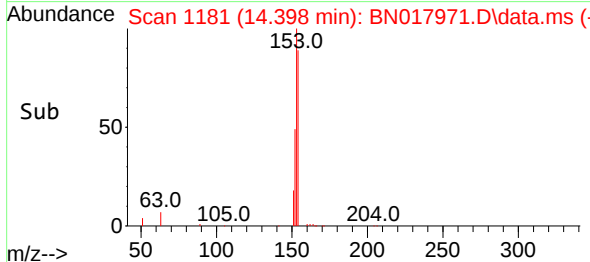
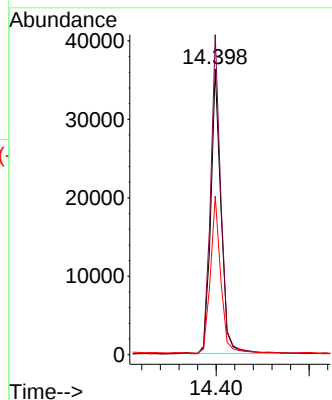
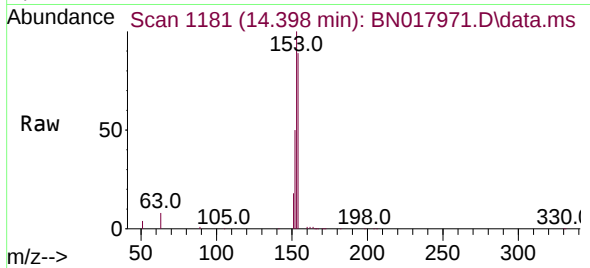




#17  
Acenaphthene  
Concen: 0.326 ng  
RT: 14.398 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

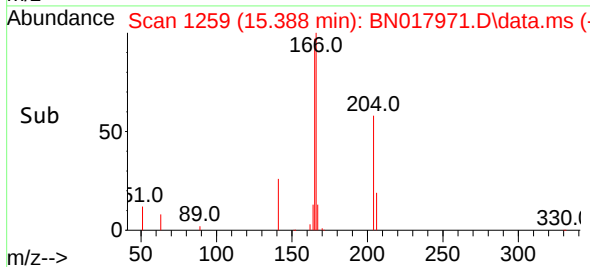
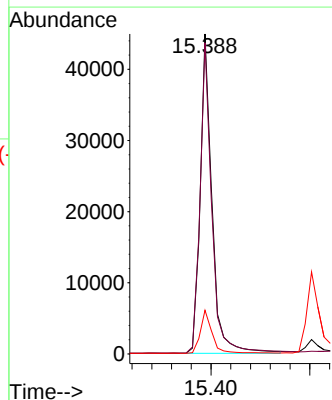
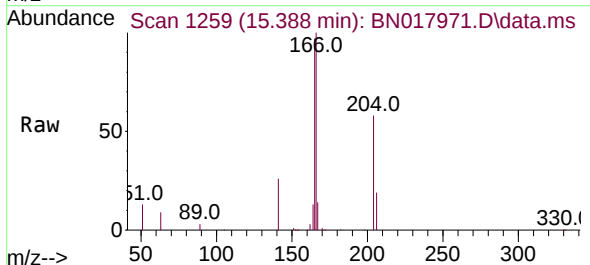
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

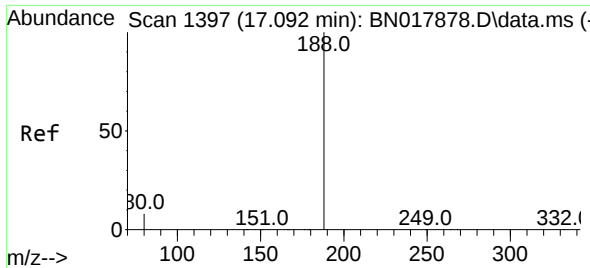
Tgt Ion:154 Resp: 55601  
Ion Ratio Lower Upper  
154 100  
153 113.7 89.8 134.8  
152 55.5 44.2 66.2



#18  
Fluorene  
Concen: 0.358 ng  
RT: 15.388 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:166 Resp: 74280  
Ion Ratio Lower Upper  
166 100  
165 97.1 77.5 116.3  
167 13.8 10.8 16.2

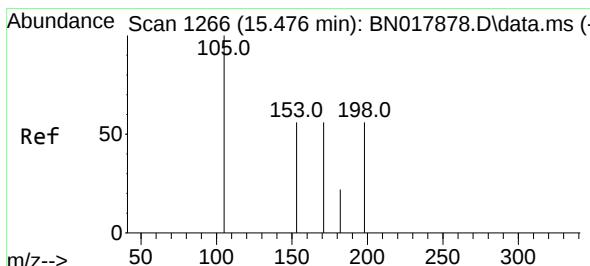
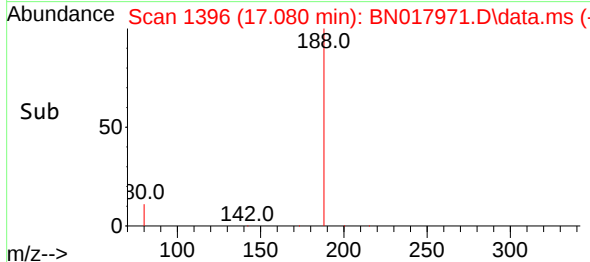
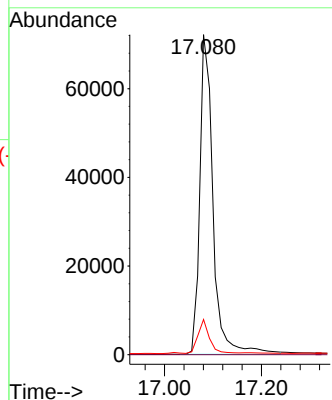
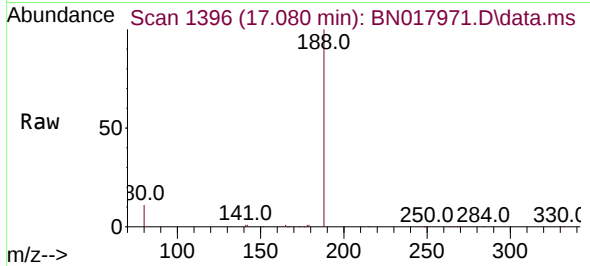




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.080 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

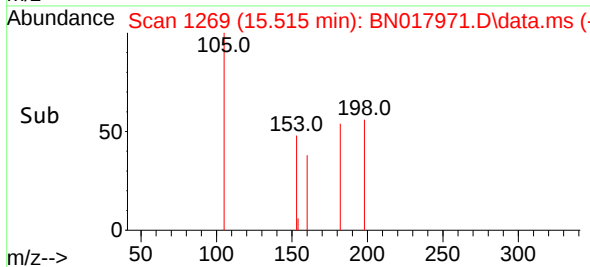
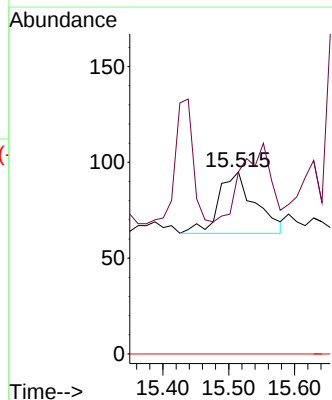
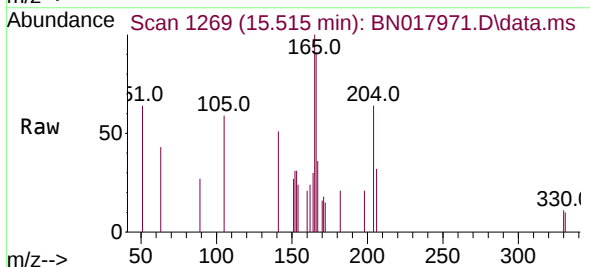
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

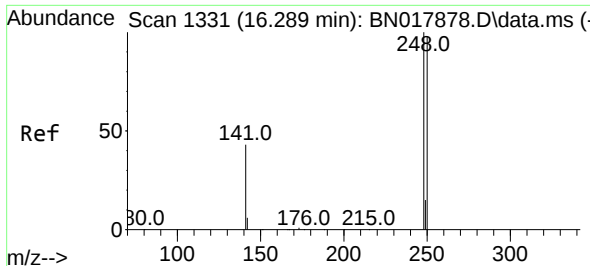
Tgt Ion:188 Resp: 136790  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.0 6.2 9.2#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.600 ng  
RT: 15.515 min Scan# 1269  
Delta R.T. 0.039 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:198 Resp: 122  
Ion Ratio Lower Upper  
198 100  
182 100.0 70.8 106.2  
77 0.0 0.0 0.0

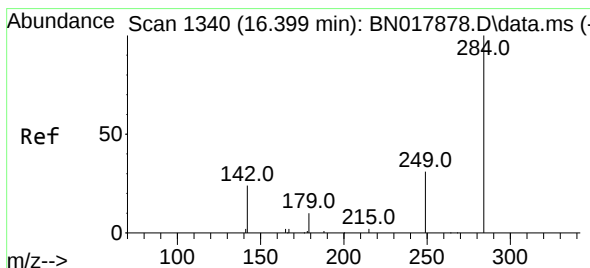
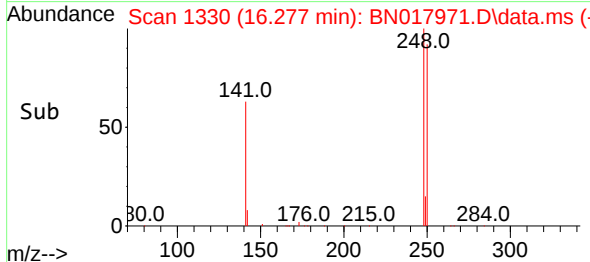
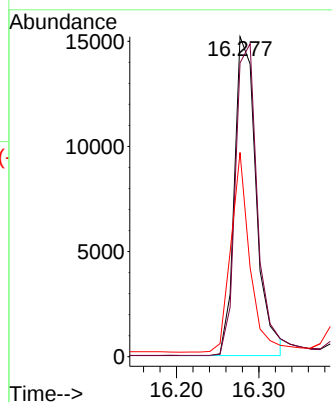
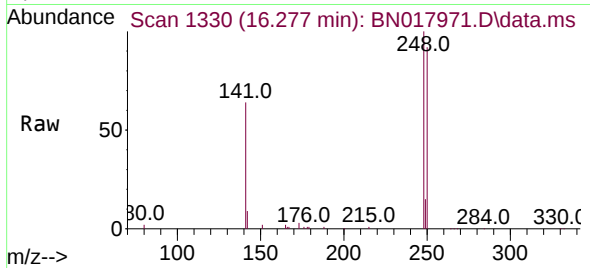




#21  
4-Bromophenyl-phenylether  
Concen: 0.357 ng  
RT: 16.277 min Scan# 1330  
Delta R.T. -0.012 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

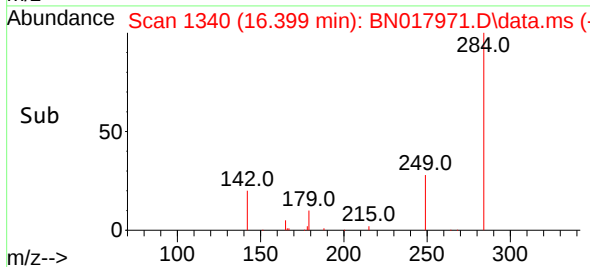
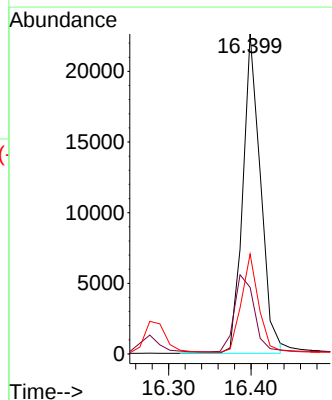
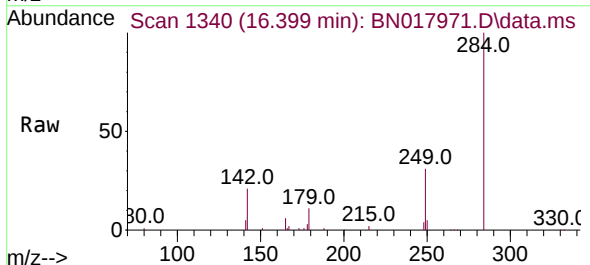
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

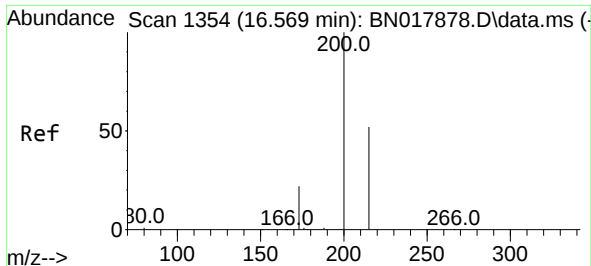
Tgt Ion:248 Resp: 27960  
Ion Ratio Lower Upper  
248 100  
250 91.8 78.6 117.8  
141 63.8 34.6 51.8#



#22  
Hexachlorobenzene  
Concen: 0.329 ng  
RT: 16.399 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:284 Resp: 33657  
Ion Ratio Lower Upper  
284 100  
142 27.0 21.2 31.8  
249 29.8 23.2 34.8

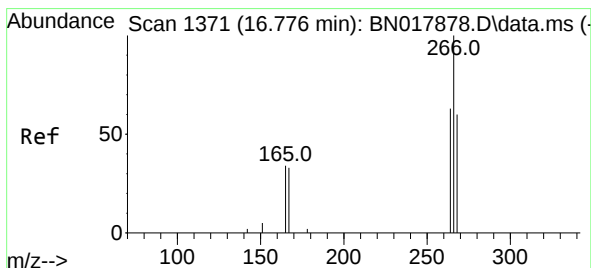
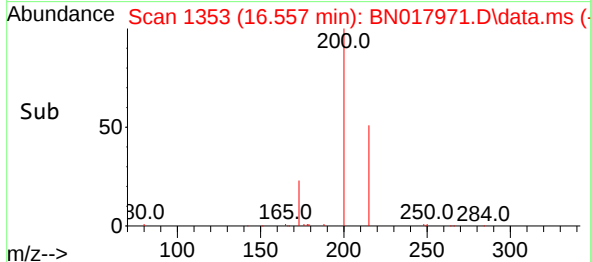
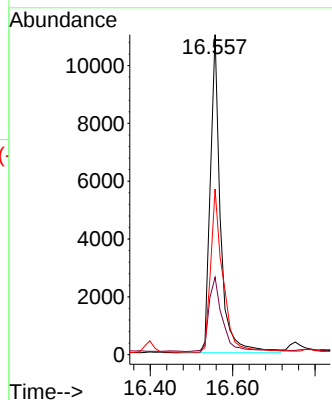
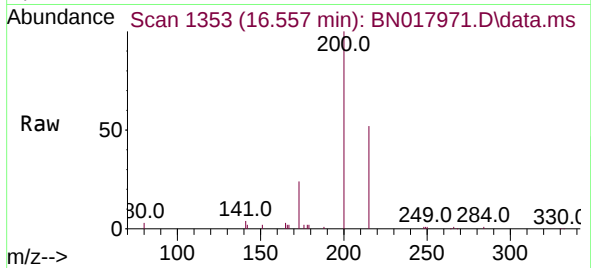




#23  
 Atrazine  
 Concen: 0.372 ng  
 RT: 16.557 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

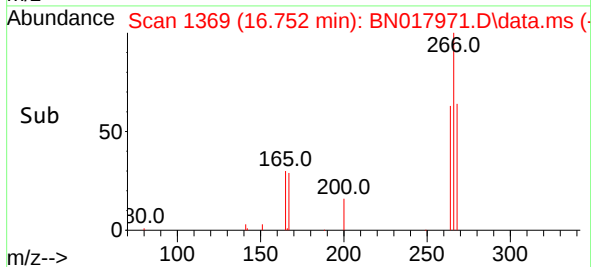
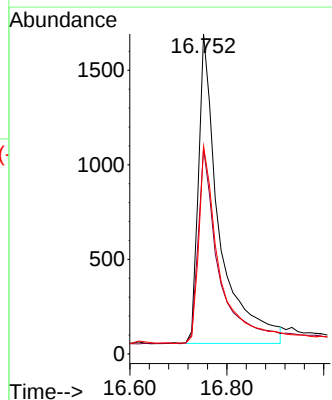
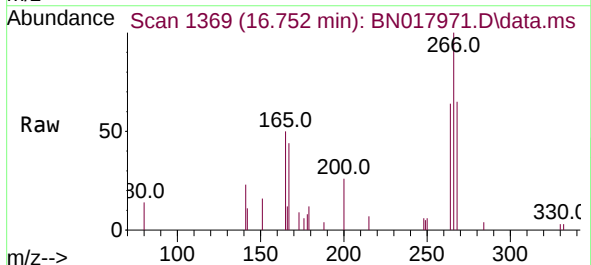
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D2-20211130MSD

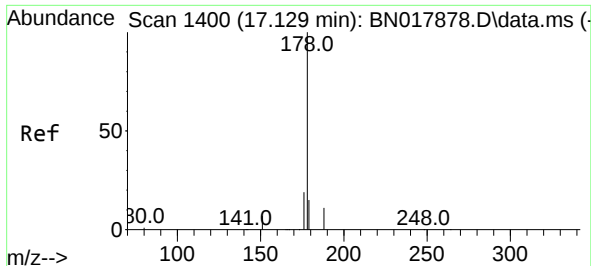
Tgt Ion:200 Resp: 18919  
 Ion Ratio Lower Upper  
 200 100  
 173 24.2 18.2 27.2  
 215 51.7 41.8 62.8



#24  
 Pentachlorophenol  
 Concen: 1.038 ng  
 RT: 16.752 min Scan# 1369  
 Delta R.T. -0.024 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

Tgt Ion:266 Resp: 4886  
 Ion Ratio Lower Upper  
 266 100  
 264 63.6 50.6 76.0  
 268 64.2 53.7 80.5

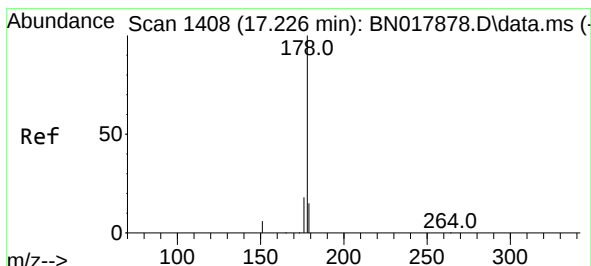
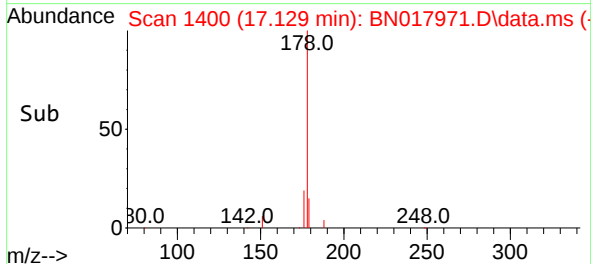
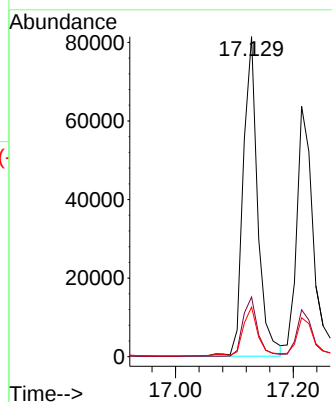
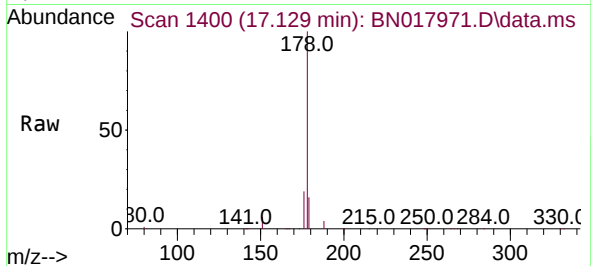




#25  
Phenanthrene  
Concen: 0.396 ng  
RT: 17.129 min Scan# 1400  
Delta R.T. 0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

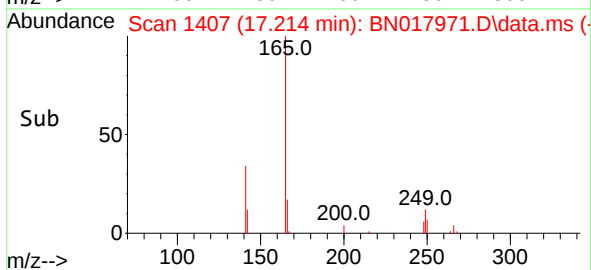
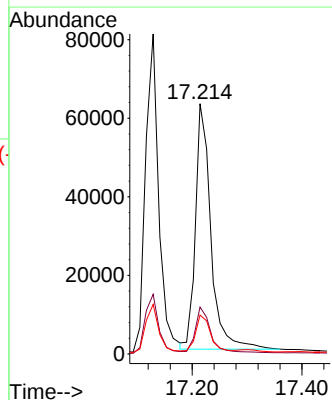
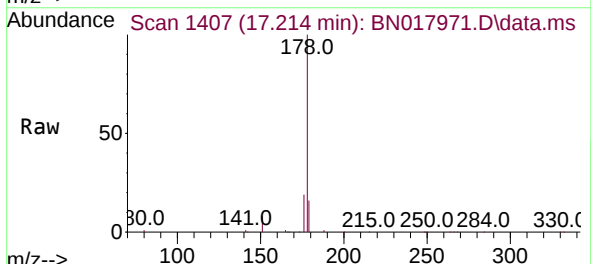
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

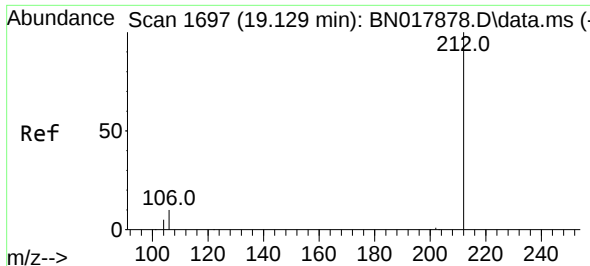
Tgt Ion:178 Resp: 138538  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.6  
179 15.9 12.4 18.6



#26  
Anthracene  
Concen: 0.419 ng  
RT: 17.214 min Scan# 1407  
Delta R.T. -0.012 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:178 Resp: 121993  
Ion Ratio Lower Upper  
178 100  
176 18.3 14.3 21.5  
179 13.9 12.2 18.4

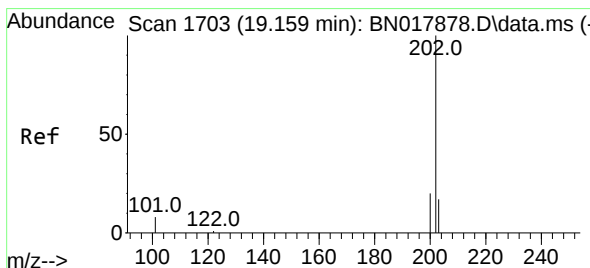
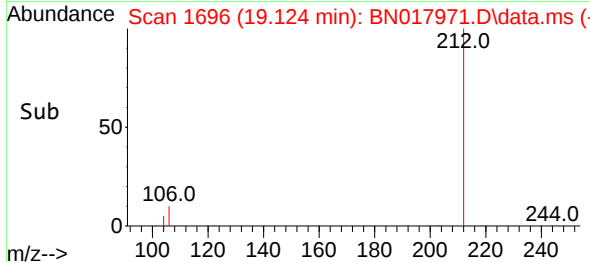
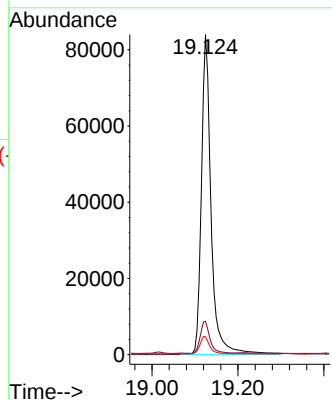
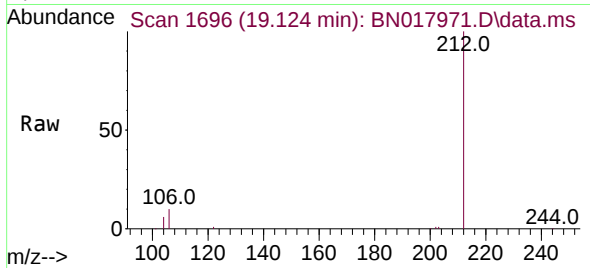




#27  
Fluoranthene-d10  
Concen: 0.295 ng  
RT: 19.124 min Scan# 1  
Delta R.T. -0.005 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

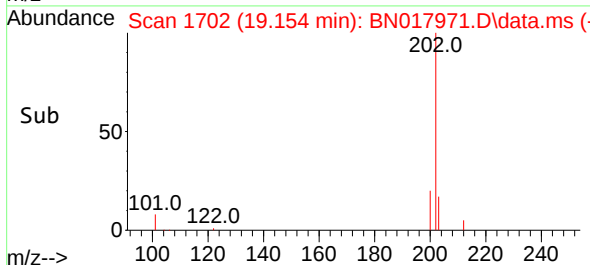
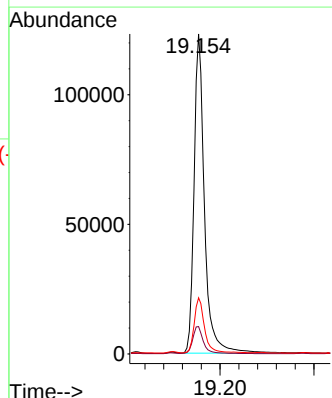
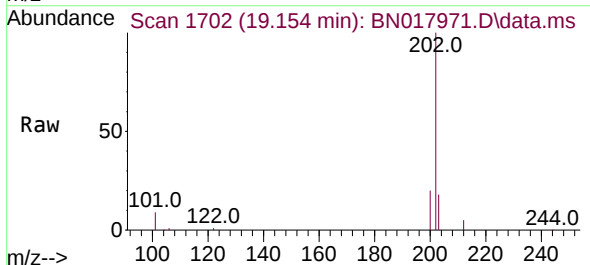
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

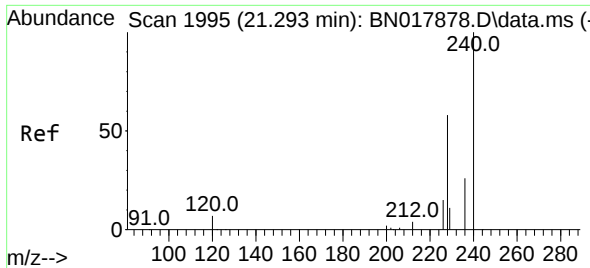
Tgt Ion:212 Resp: 130591  
Ion Ratio Lower Upper  
212 100  
106 10.0 8.3 12.5  
104 5.6 4.6 6.8



#28  
Fluoranthene  
Concen: 0.442 ng  
RT: 19.154 min Scan# 1702  
Delta R.T. -0.005 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:202 Resp: 190187  
Ion Ratio Lower Upper  
202 100  
101 8.8 7.3 10.9  
203 17.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.293 min Scan# 1995

Delta R.T. 0.000 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

Instrument :

BNA\_N

ClientSampleId :

RE139D2-20211130MSD

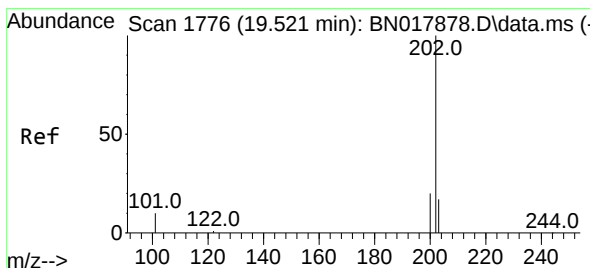
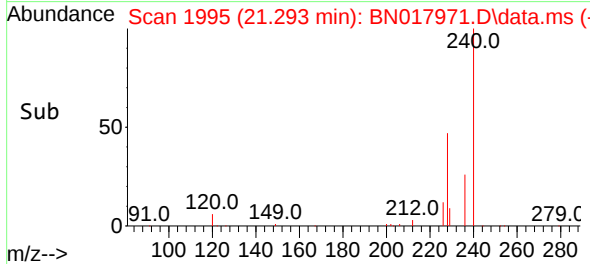
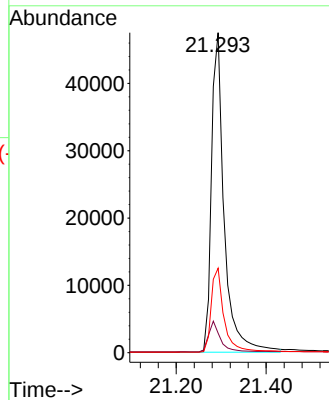
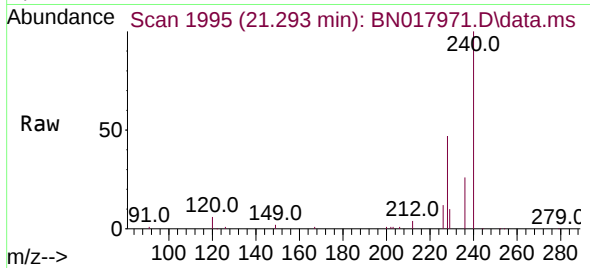
Tgt Ion:240 Resp: 92912

Ion Ratio Lower Upper

240 100

120 6.1 5.8 8.8

236 26.4 21.0 31.6



#30

Pyrene

Concen: 0.525 ng

RT: 19.517 min Scan# 1775

Delta R.T. -0.005 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

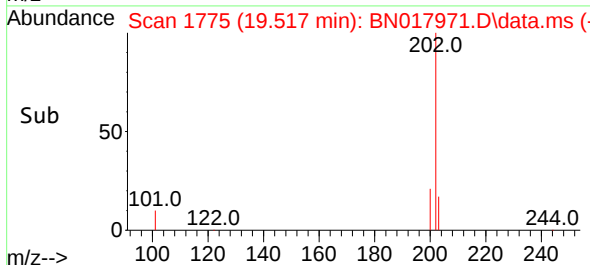
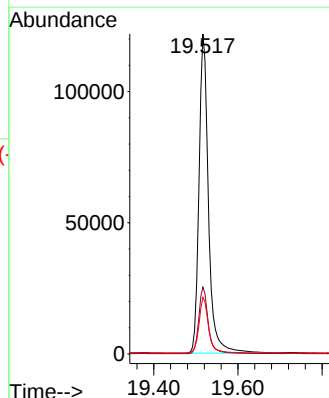
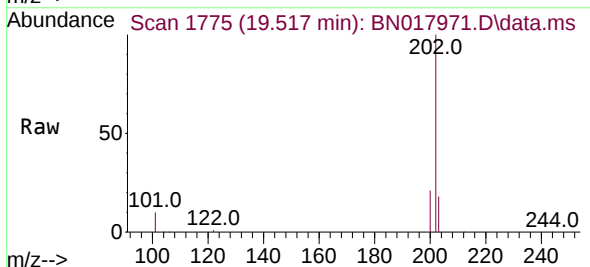
Tgt Ion:202 Resp: 191122

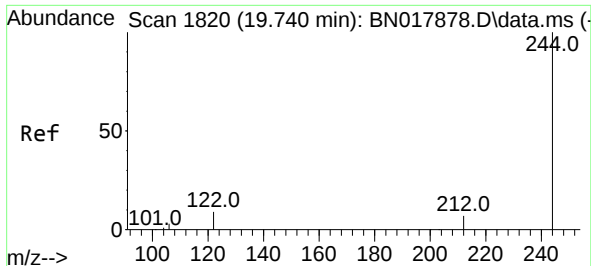
Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

203 17.6 14.0 21.0

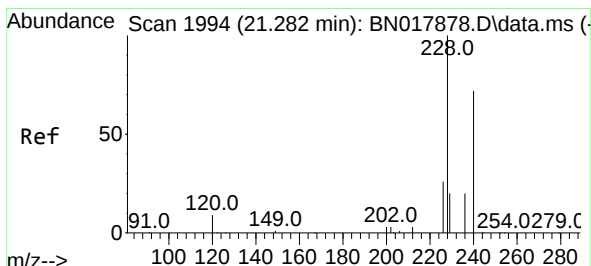
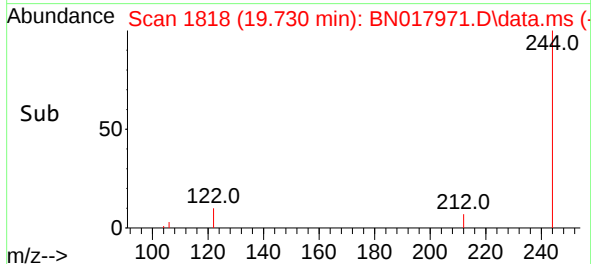
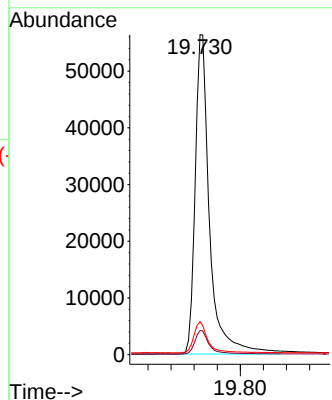
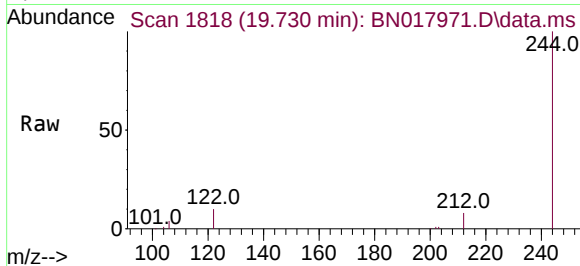




#31  
 Terphenyl-d14  
 Concen: 0.428 ng  
 RT: 19.730 min Scan# 1818  
 Delta R.T. -0.010 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

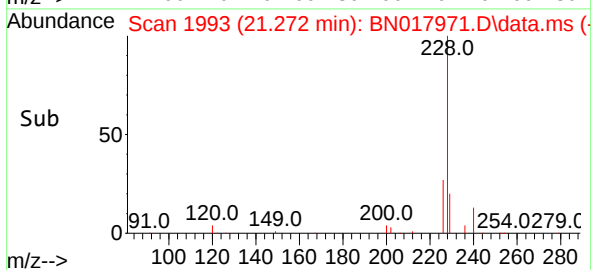
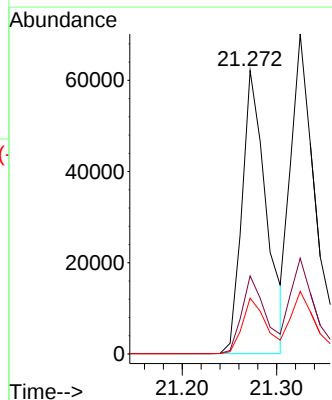
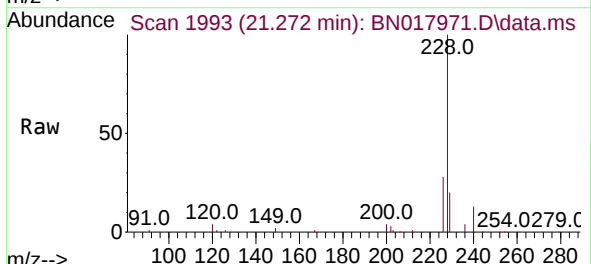
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D2-20211130MSD

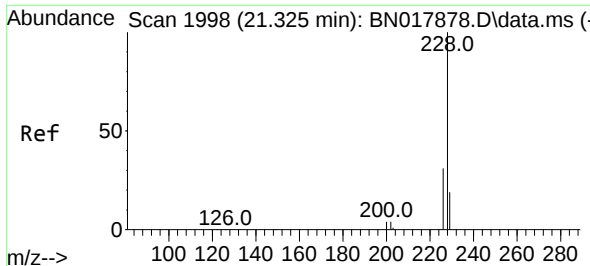
Tgt Ion:244 Resp: 97939  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.2  
 122 10.3 7.5 11.3



#32  
 Benzo(a)anthracene  
 Concen: 0.422 ng  
 RT: 21.272 min Scan# 1993  
 Delta R.T. -0.010 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

Tgt Ion:228 Resp: 110846  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 21.0 31.4  
 229 19.7 15.8 23.8

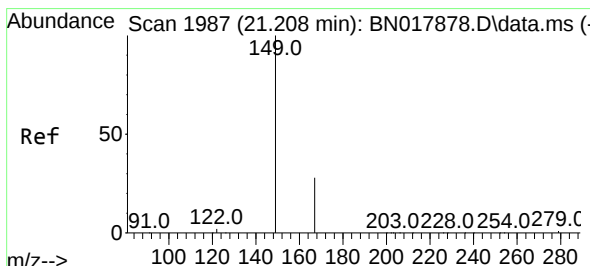
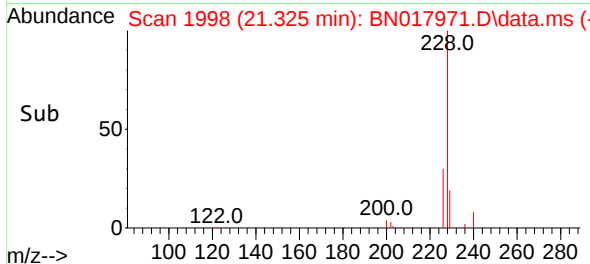
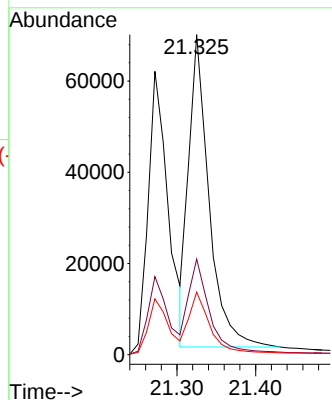
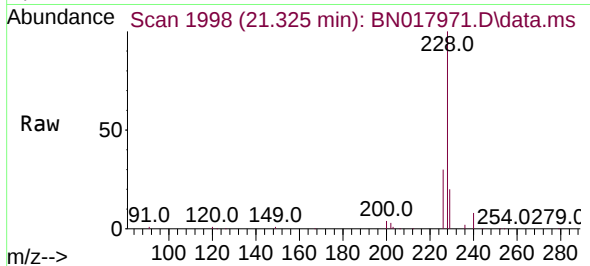




#33  
Chrysene  
Concen: 0.402 ng  
RT: 21.325 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

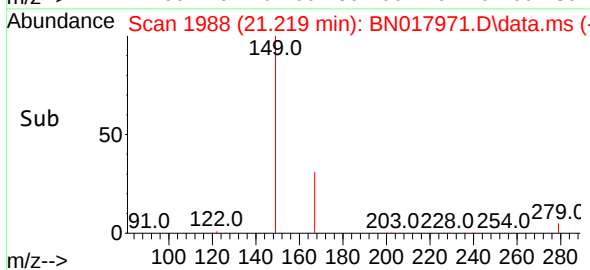
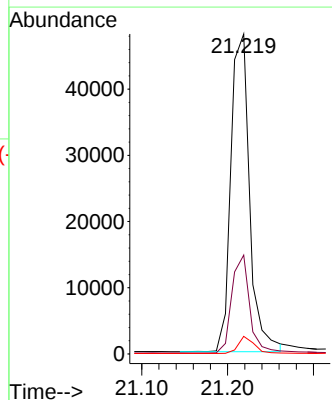
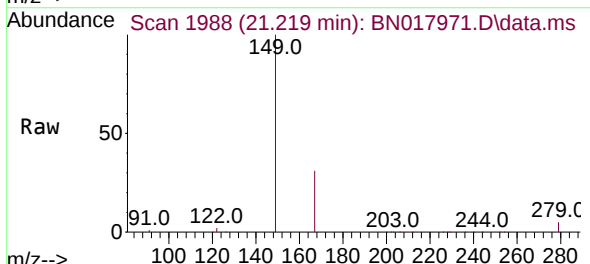
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

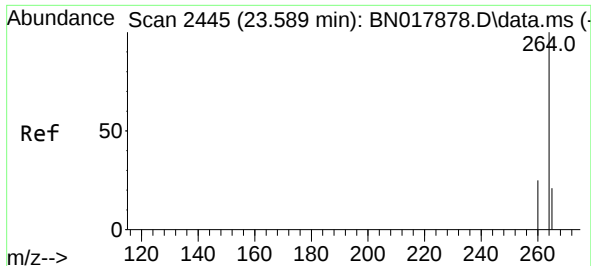
Tgt Ion:228 Resp: 122741  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.8 35.8  
229 19.6 15.6 23.4



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.730 ng  
RT: 21.219 min Scan# 1988  
Delta R.T. 0.011 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

Tgt Ion:149 Resp: 72841  
Ion Ratio Lower Upper  
149 100  
167 29.4 23.4 35.0  
279 4.6 3.6 5.4

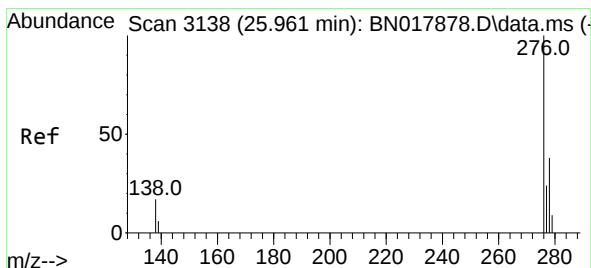
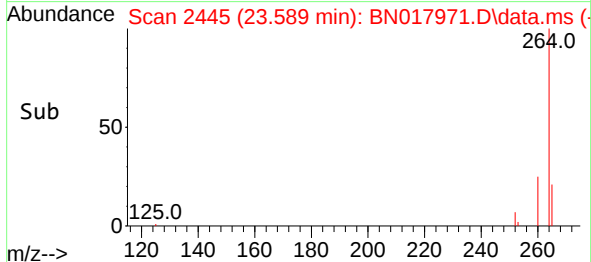
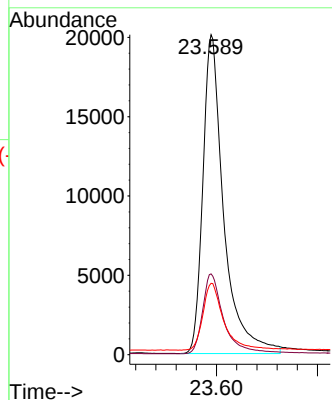
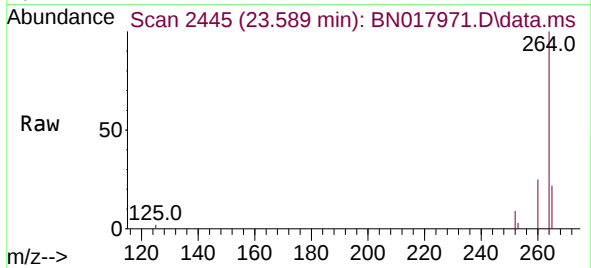




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.589 min Scan# 2445  
 Delta R.T. 0.000 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

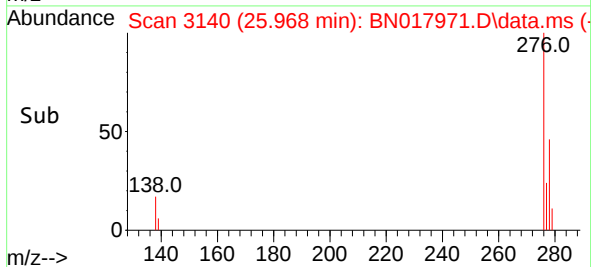
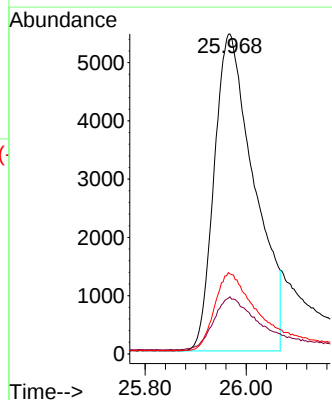
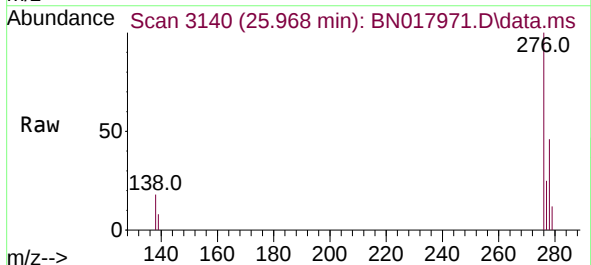
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D2-20211130MSD

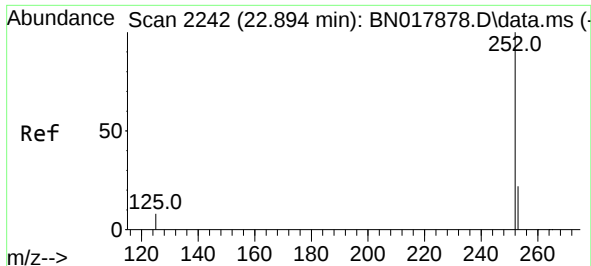
Tgt Ion:264 Resp: 57584  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 20.2 30.4  
 265 22.3 18.2 27.4



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.335 ng  
 RT: 25.968 min Scan# 3140  
 Delta R.T. 0.007 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

Tgt Ion:276 Resp: 29952  
 Ion Ratio Lower Upper  
 276 100  
 138 17.7 15.2 22.8  
 277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.413 ng

RT: 22.894 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

Instrument :

BNA\_N

ClientSampleId :

RE139D2-20211130MSD

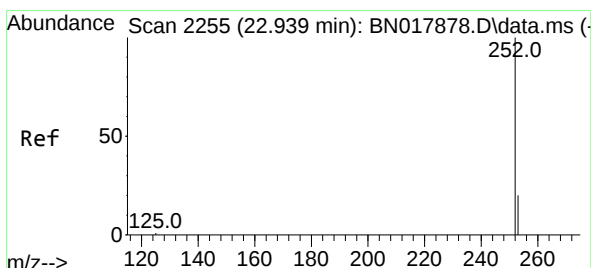
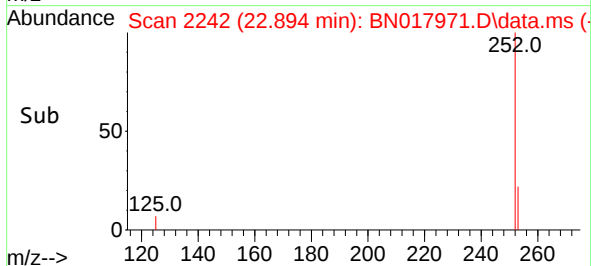
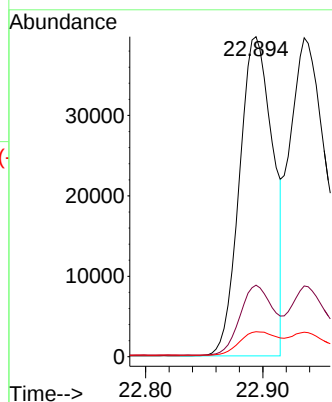
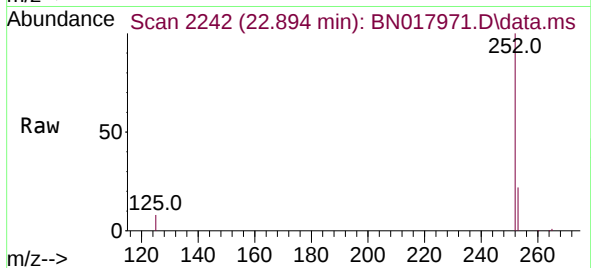
Tgt Ion:252 Resp: 78601

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 7.8 6.8 10.2



#38

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 22.935 min Scan# 2254

Delta R.T. -0.003 min

Lab File: BN017971.D

Acq: 13 Dec 2021 14:30

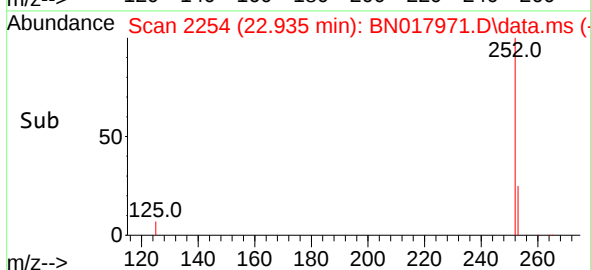
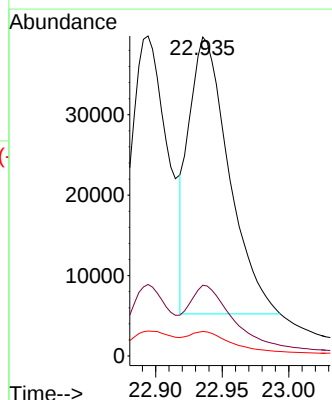
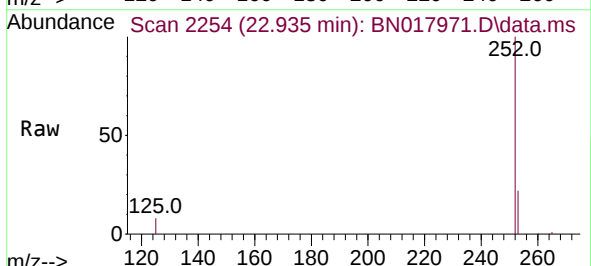
Tgt Ion:252 Resp: 71851

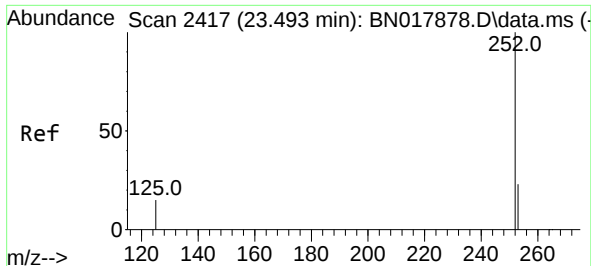
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 7.7 6.1 9.1

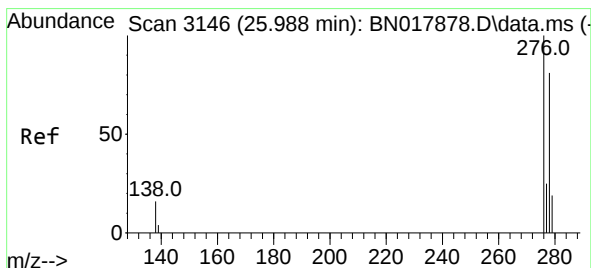
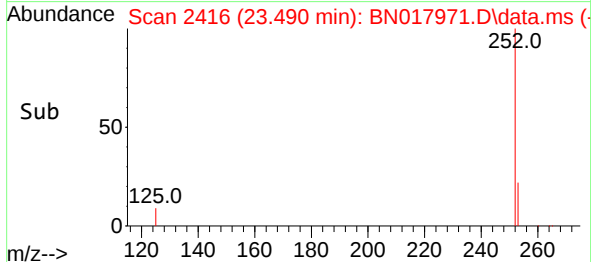
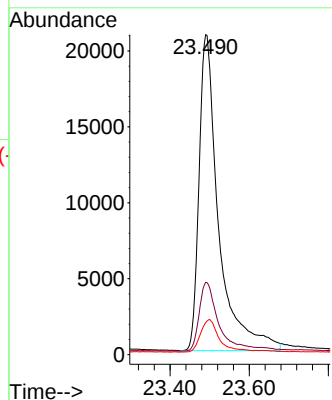
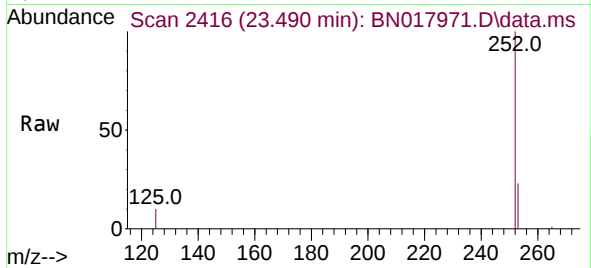




#39  
Benzo(a)pyrene  
Concen: 0.423 ng  
RT: 23.490 min Scan# 2417  
Delta R.T. -0.003 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

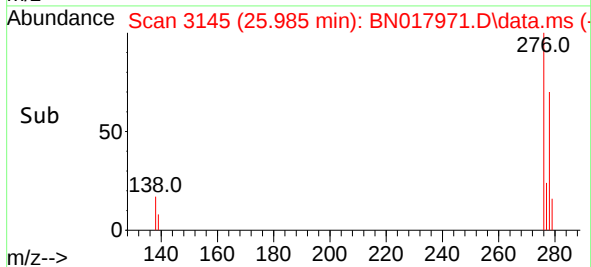
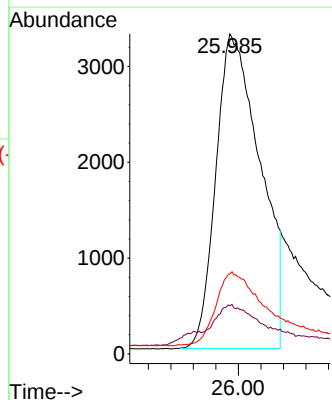
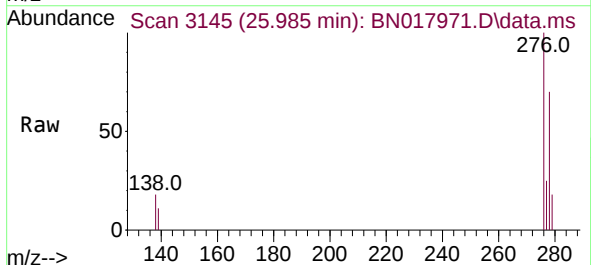
Instrument :  
BNA\_N  
ClientSampleId :  
RE139D2-20211130MSD

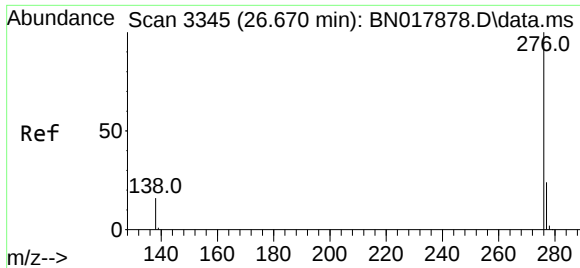
Tgt Ion:252 Resp: 71575  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.8 28.2  
125 10.0 12.2 18.2#



#40  
Dibenzo(a,h)anthracene  
Concen: 0.317 ng  
RT: 25.985 min Scan# 3145  
Delta R.T. -0.003 min  
Lab File: BN017971.D  
Acq: 13 Dec 2021 14:30

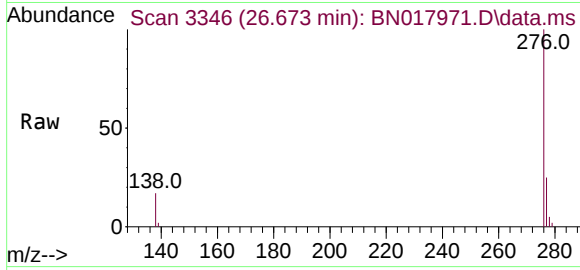
Tgt Ion:278 Resp: 17893  
Ion Ratio Lower Upper  
278 100  
139 15.0 12.0 18.0  
279 25.1 20.8 31.2





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.370 ng  
 RT: 26.673 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: BN017971.D  
 Acq: 13 Dec 2021 14:30

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE139D2-20211130MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 33894 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.6  | 19.6  | 29.4  |
| 138       | 16.8  | 13.8  | 20.8  |

