

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091022\  
 Data File : BN021678.D  
 Acq On : 10 Sep 2022 01:47  
 Operator : CG/JU  
 Sample : N4357-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW14

Quant Time: Sep 10 02:20:34 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 09 23:19:14 2022  
 Response via : Initial Calibration

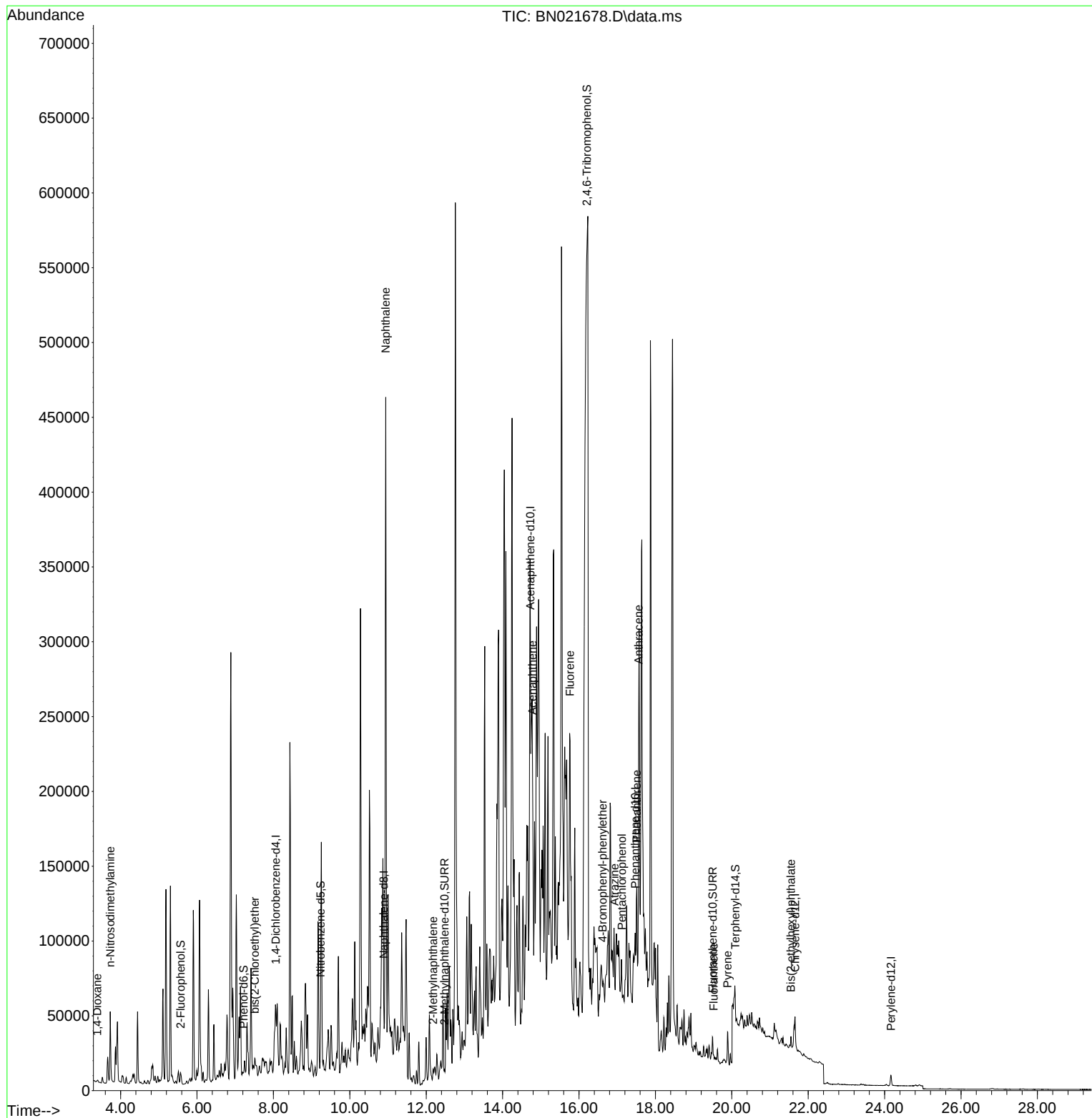
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.062  | 152  | 5835     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.887 | 136  | 16016    | 0.400  | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.728 | 164  | 162565   | 0.400  | ng    | # 0.01   |
| 19) Phenanthrene-d10          | 17.470 | 188  | 17353    | 0.400  | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.655 | 240  | 26560    | 0.400  | ng    | # 0.00   |
| 35) Perylene-d12              | 24.164 | 264  | 10154    | 0.400  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.570  | 112  | 4289     | 0.376  | ng    | -0.02    |
| 5) Phenol-d6                  | 7.217  | 99   | 1740     | 0.120  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.233  | 82   | 4103     | 0.379  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.478 | 152  | 10045    | 0.278  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.208 | 330  | 1296     | 0.024  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.339 | 172  | 13104    | 0.018  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.497 | 212  | 16985    | 0.381  | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.088 | 244  | 9076     | 0.152  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.389  | 88   | 219      | 0.030  | ng    | # 21     |
| 3) n-Nitrosodimethylamine     | 3.728  | 42   | 3756     | 0.571  | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 7.513  | 93   | 12154    | 0.664  | ng    | # 31     |
| 9) Naphthalene                | 10.941 | 128  | 481394   | 10.146 | ng    | # 95     |
| 12) 2-Methylnaphthalene       | 12.183 | 142  | 858      | 0.235  | ng    | # 1      |
| 17) Acenaphthene              | 14.782 | 154  | 52935    | 0.099  | ng    | # 76     |
| 18) Fluorene                  | 15.765 | 166  | 87160    | 0.132  | ng    | # 90     |
| 21) 4-Bromophenyl-phenylether | 16.618 | 248  | 865      | 0.080  | ng    | # 1      |
| 23) Atrazine                  | 16.926 | 200  | 12015    | 1.896  | ng    | # 1      |
| 24) Pentachlorophenol         | 17.121 | 266  | 150      | 0.240  | ng    | # 52     |
| 25) Phenanthrene              | 17.511 | 178  | 53104    | 0.887  | ng    | # 97     |
| 26) Anthracene                | 17.562 | 178  | 4371     | 0.092  | ng    | # 1      |
| 28) Fluoranthene              | 19.527 | 202  | 3936     | 0.063  | ng    | # 82     |
| 30) Pyrene                    | 19.889 | 202  | 20371    | 0.144  | ng    | # 78     |
| 34) Bis(2-ethylhexyl)phtha... | 21.548 | 149  | 5722     | 0.154  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

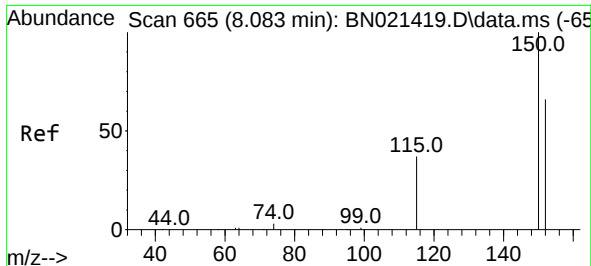
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091022\  
Data File : BN021678.D  
Acq On : 10 Sep 2022 01:47  
Operator : CG/JU  
Sample : N4357-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Time: Sep 10 02:20:34 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 09 23:19:14 2022  
Response via : Initial Calibration

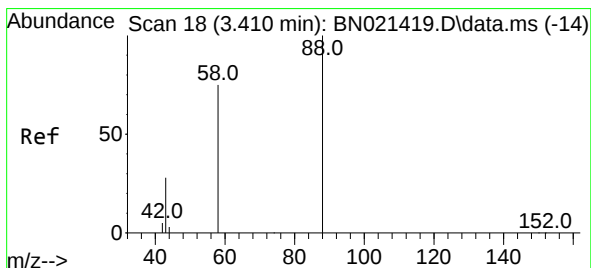
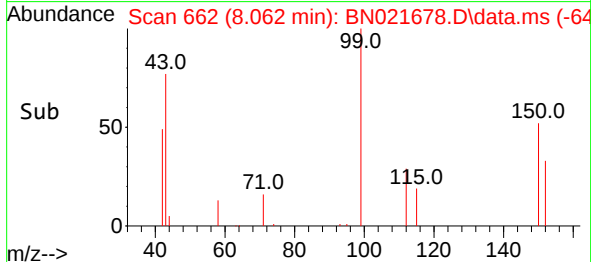
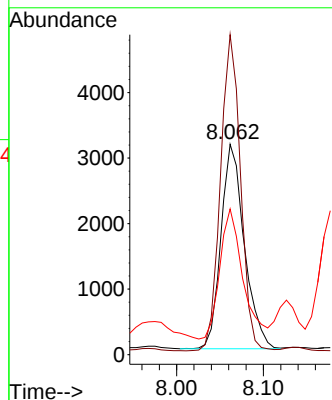
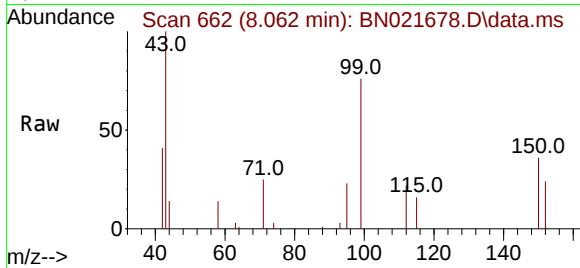




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.062 min Scan# 6  
 Delta R.T. -0.000 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

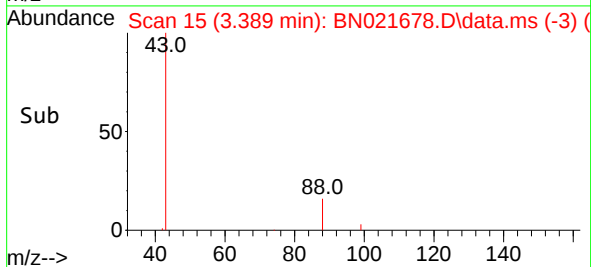
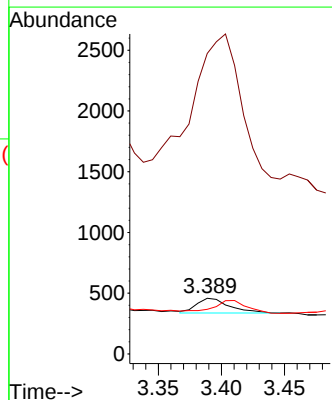
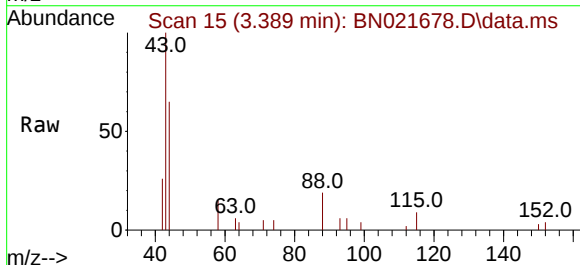
Instrument :  
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 ClientSampleId :  
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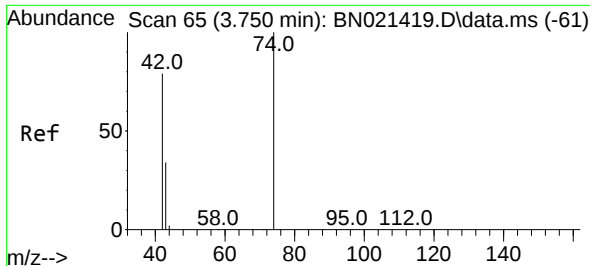
Tgt Ion:152 Resp: 5835  
 Ion Ratio Lower Upper  
 152 100  
 150 152.1 121.4 182.0  
 115 69.3 48.6 72.8



#2  
 1,4-Dioxane  
 Concen: 0.030 ng  
 RT: 3.389 min Scan# 15  
 Delta R.T. -0.014 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

Tgt Ion: 88 Resp: 219  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 35.8 53.8#  
 58 0.0 57.1 85.7#

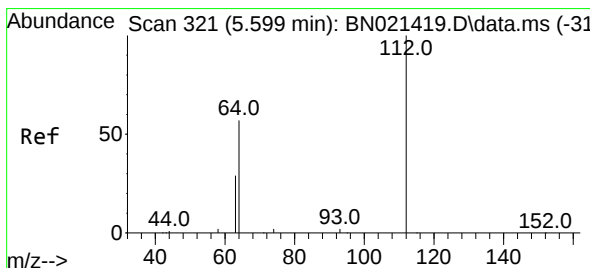
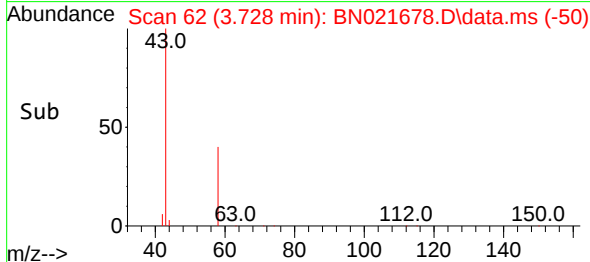
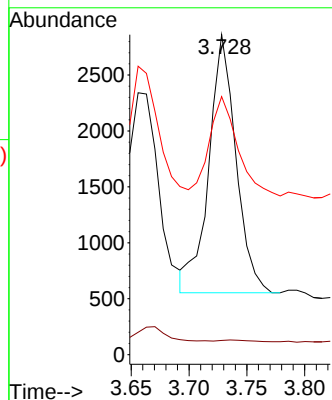
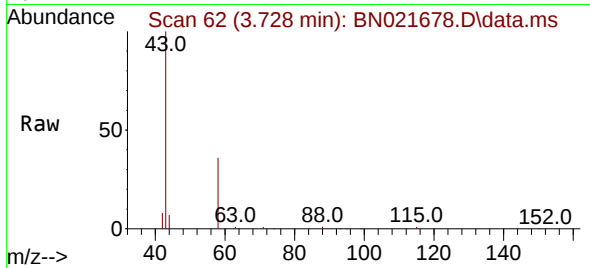




#3  
 n-Nitrosodimethylamine  
 Concen: 0.571 ng  
 RT: 3.728 min Scan# 61  
 Delta R.T. -0.014 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

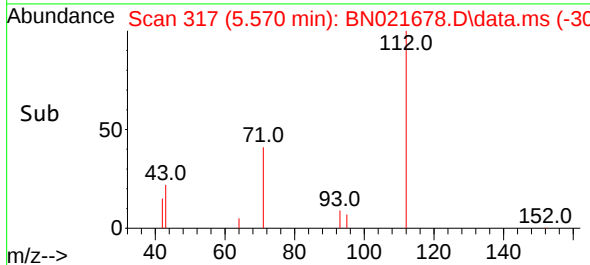
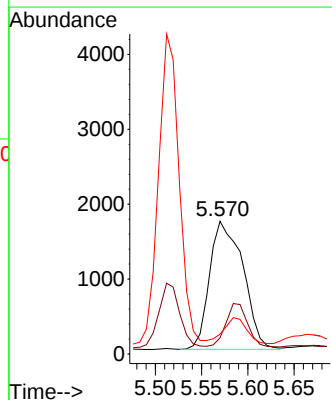
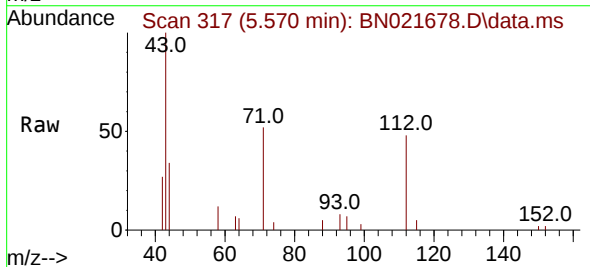
Instrument :  
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 ClientSampleId :  
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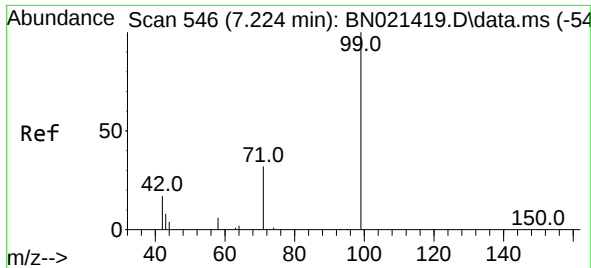
Tgt Ion: 42 Resp: 3756  
 Ion Ratio Lower Upper  
 42 100  
 74 0.6 113.0 169.6#  
 44 40.4 10.5 15.7#



#4  
 2-Fluorophenol  
 Concen: 0.376 ng  
 RT: 5.570 min Scan# 317  
 Delta R.T. -0.022 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

Tgt Ion: 112 Resp: 4289  
 Ion Ratio Lower Upper  
 112 100  
 64 21.7 43.5 65.3#  
 63 13.8 22.6 34.0#

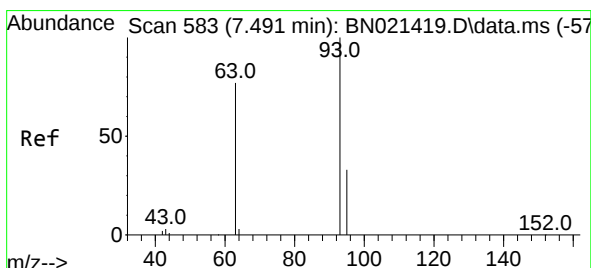
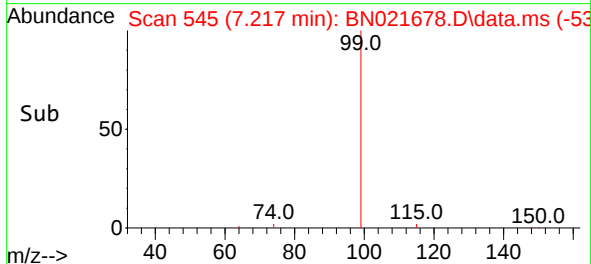
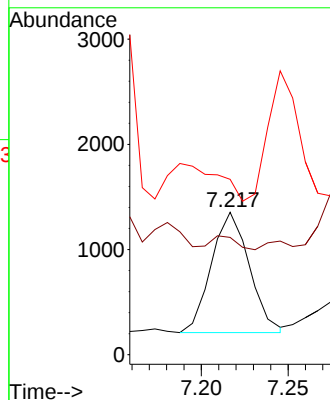
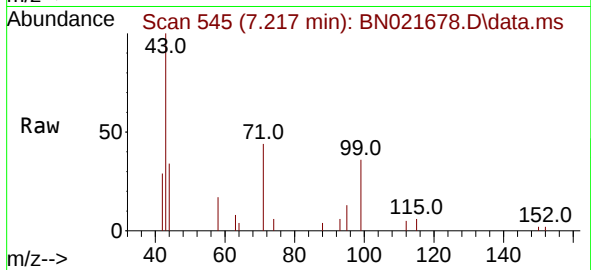




#5  
Phenol-d6  
Concen: 0.120 ng  
RT: 7.217 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

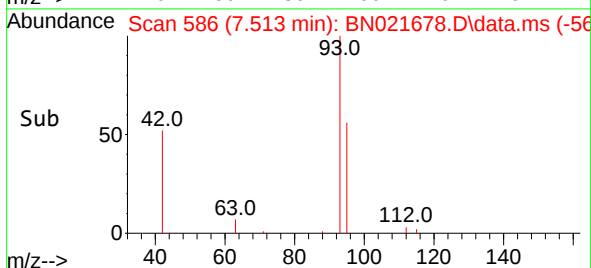
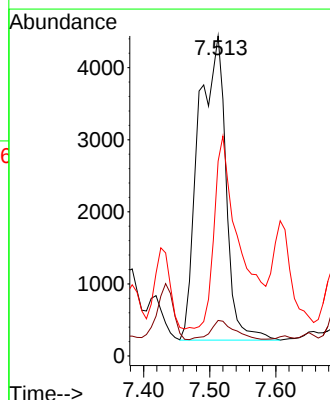
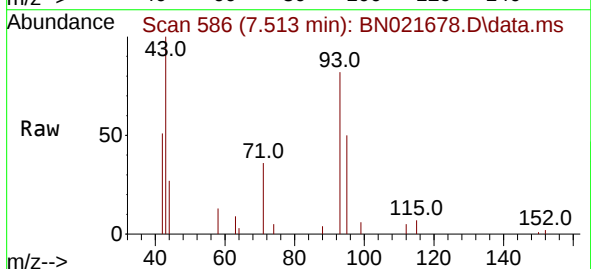
Instrument :  
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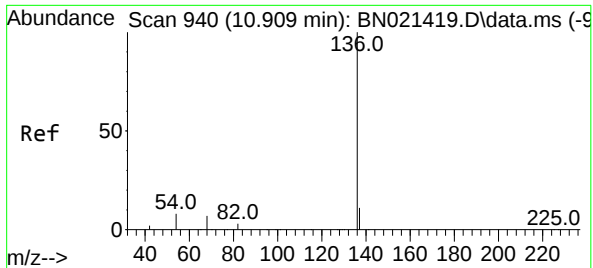
Tgt Ion: 99 Resp: 1740  
Ion Ratio Lower Upper  
99 100  
42 0.0 15.5 23.3#  
71 0.0 24.2 36.2#



#6  
bis(2-Chloroethyl)ether  
Concen: 0.664 ng  
RT: 7.513 min Scan# 586  
Delta R.T. 0.036 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion: 93 Resp: 12154  
Ion Ratio Lower Upper  
93 100  
63 5.5 57.8 86.8#  
95 58.1 25.9 38.9#

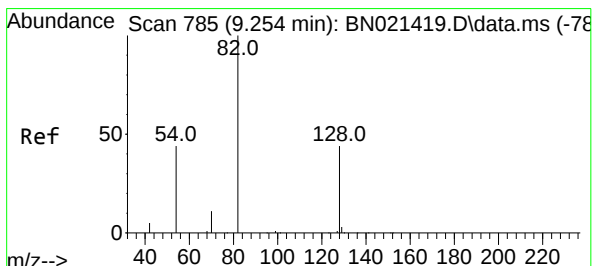
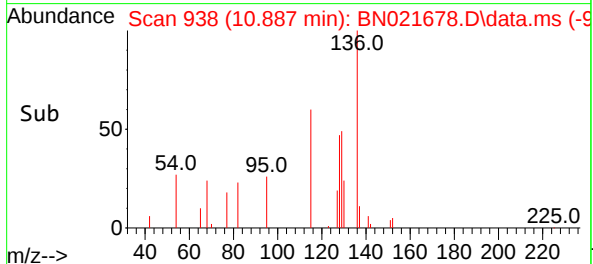
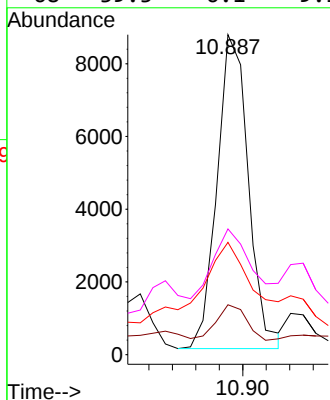
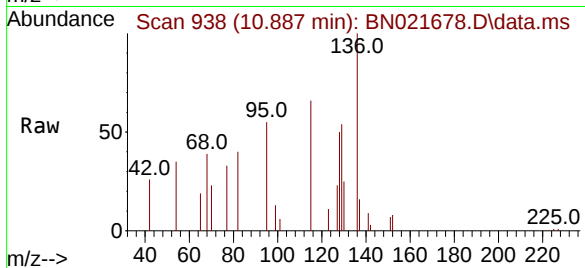




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.887 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

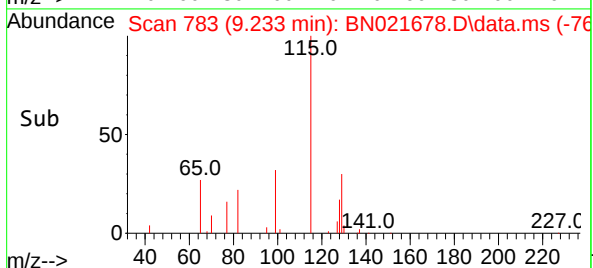
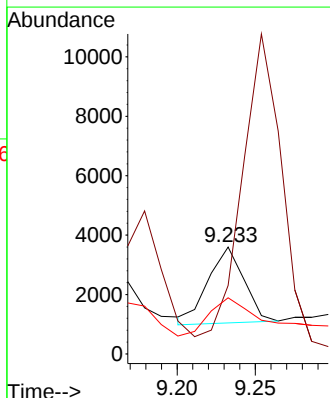
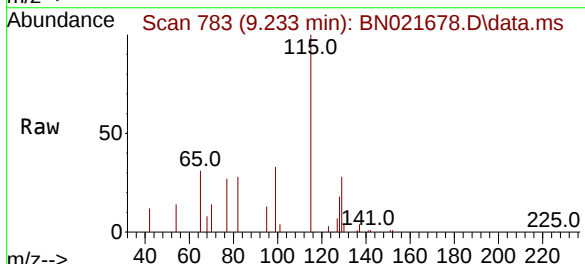
Instrument :  
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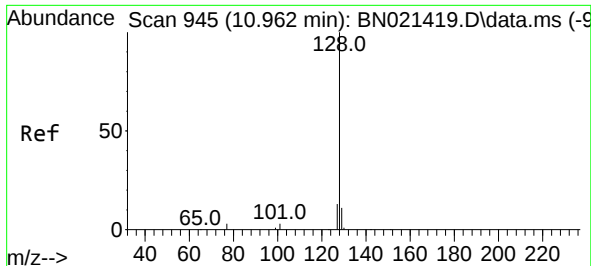
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 16016 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 15.6  | 9.3   | 13.9# |
| 54       | 35.1  | 6.9   | 10.3# |
| 68       | 39.3  | 6.1   | 9.1#  |



#8  
Nitrobenzene-d5  
Concen: 0.379 ng  
RT: 9.233 min Scan# 783  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4103  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 64.0  | 30.9  | 46.3# |
| 54       | 52.5  | 42.7  | 64.1  |

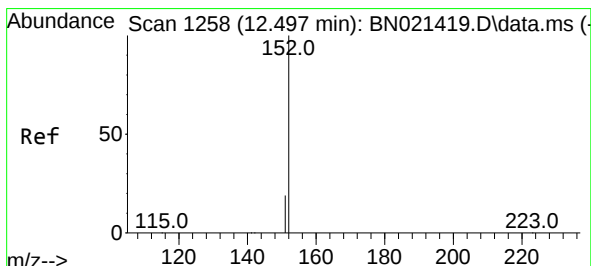
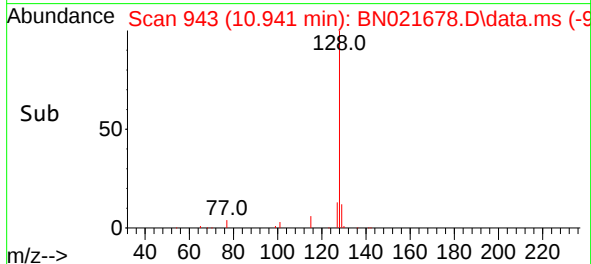
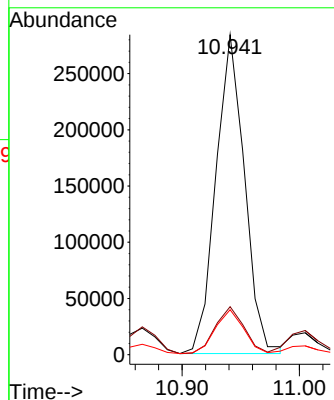
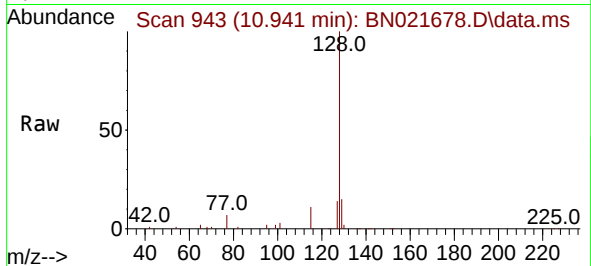




#9  
Naphthalene  
Concen: 10.146 ng  
RT: 10.941 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

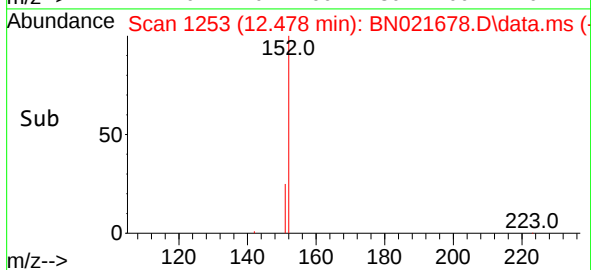
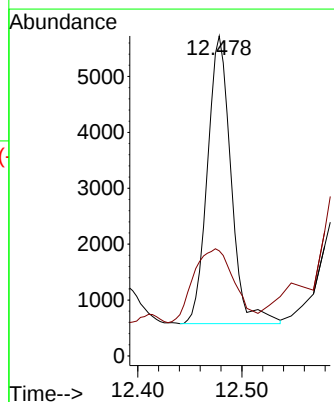
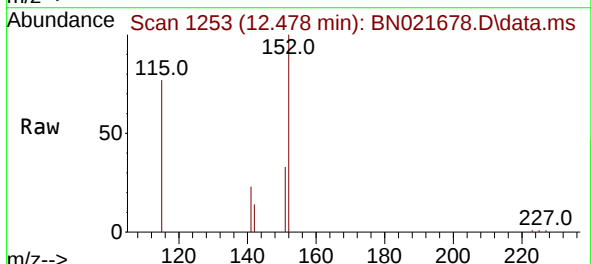
Instrument :  
BNA\_N  
ClientSampleId :  
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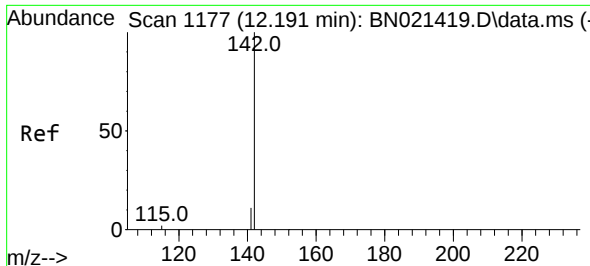
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Ion Ratio Lower Upper  
128 100  
129 15.0 9.3 13.9#  
127 14.1 11.0 16.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.278 ng  
RT: 12.478 min Scan# 1253  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:152 Resp: 10045  
Ion Ratio Lower Upper  
152 100  
151 38.1 14.5 21.7#

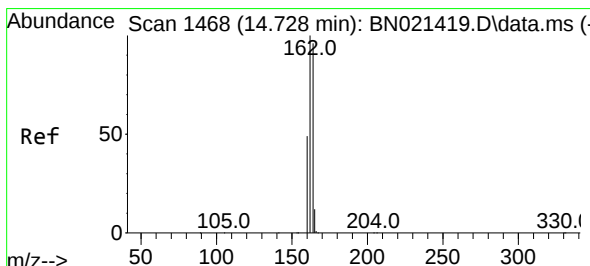
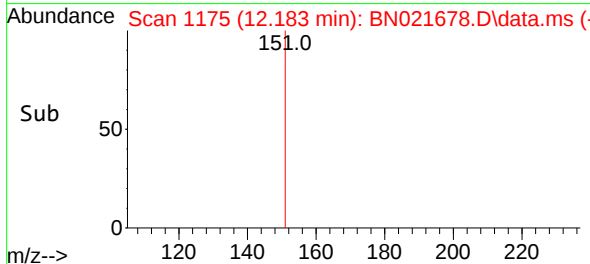
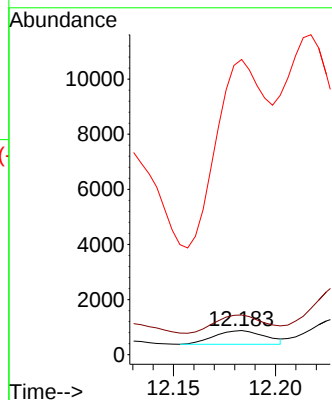
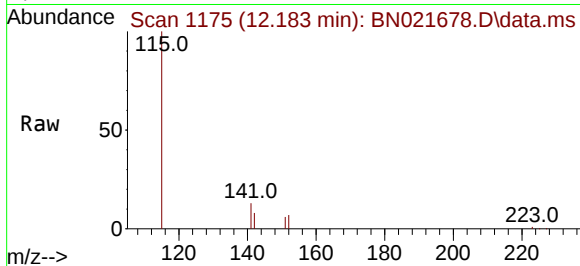




#12  
2-Methylnaphthalene  
Concen: 0.235 ng  
RT: 12.183 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

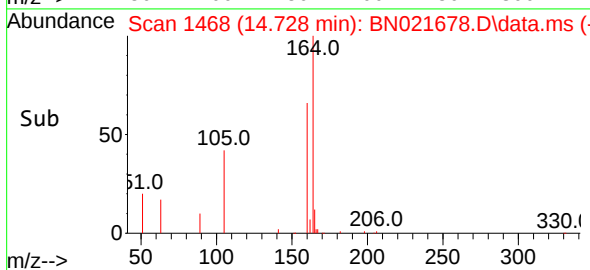
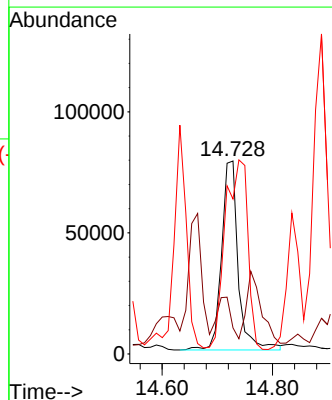
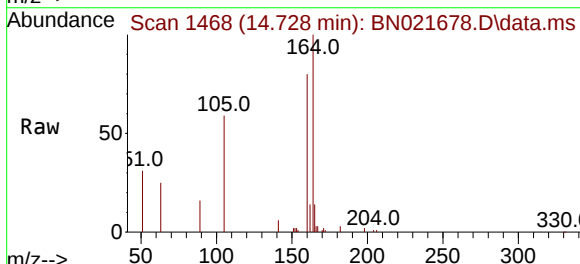
Instrument :  
BNA\_N  
ClientSampleId :  
MW14

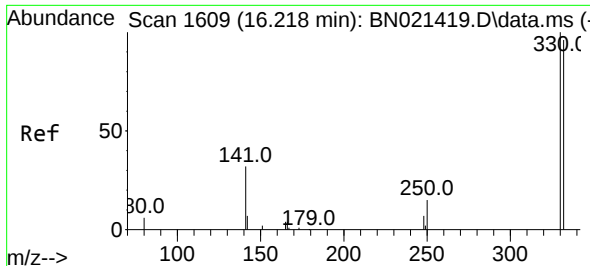
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Ion Ratio Lower Upper  
142 100  
141 163.8 12.2 18.2#  
115 1217.8 7.9 11.9#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.728 min Scan# 1468  
Delta R.T. 0.011 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:164 Resp: 162565  
Ion Ratio Lower Upper  
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162 13.5 82.2 123.4#  
160 80.3 39.5 59.3#

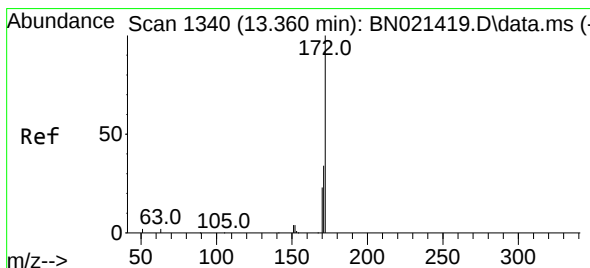
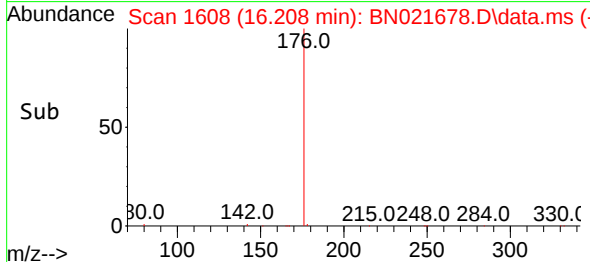
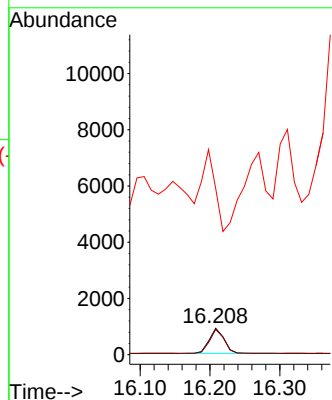
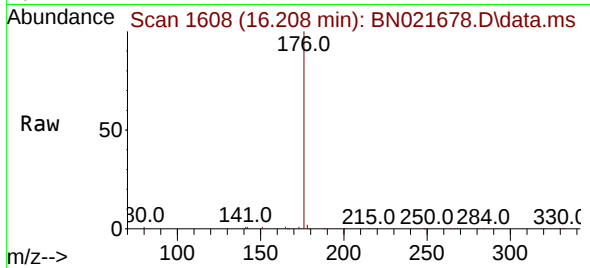




#14  
2,4,6-Tribromophenol  
Concen: 0.024 ng  
RT: 16.208 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

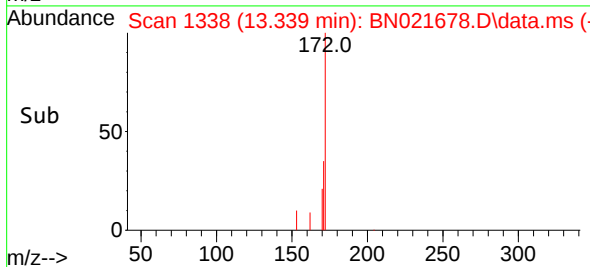
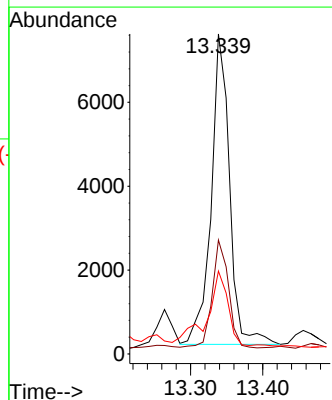
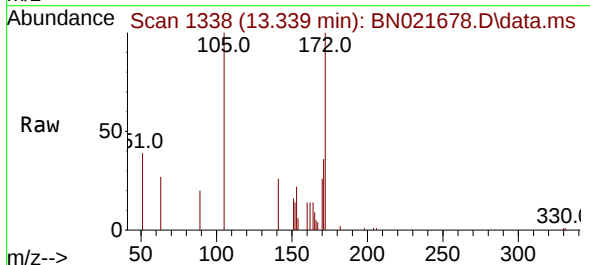
Instrument :  
BNA\_N  
ClientSampleId :  
MW14

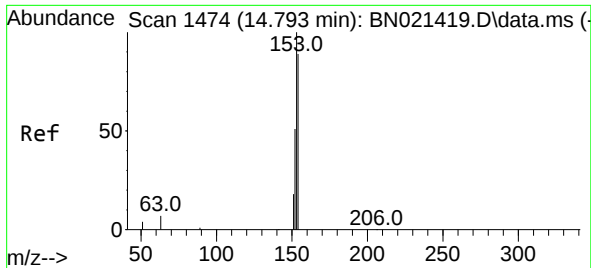
Tgt Ion:330 Resp: 1296  
Ion Ratio Lower Upper  
330 100  
332 96.5 79.3 118.9  
141 295.8 37.1 55.7#



#15  
2-Fluorobiphenyl  
Concen: 0.018 ng  
RT: 13.339 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:172 Resp: 13104  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.8 41.6  
170 25.9 18.6 28.0

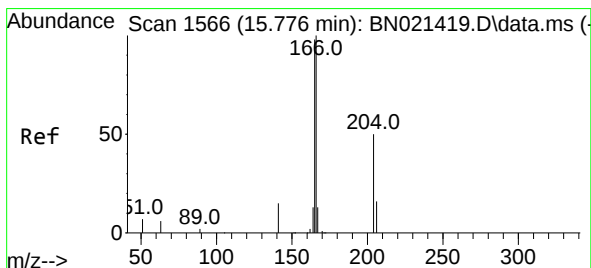
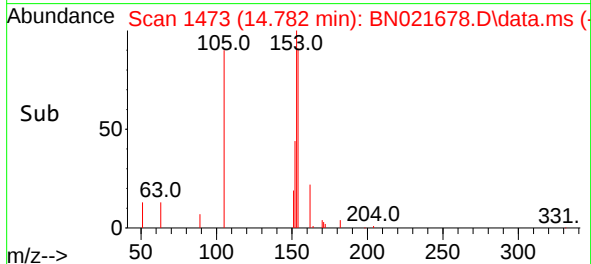
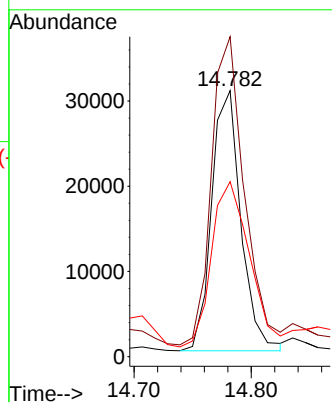
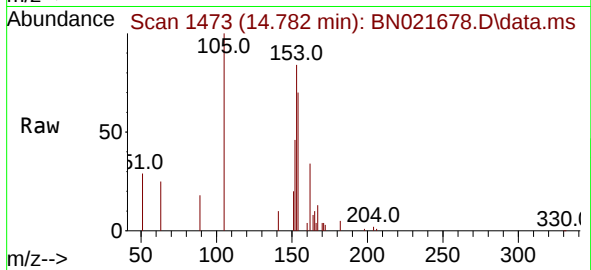




#17  
Acenaphthene  
Concen: 0.099 ng  
RT: 14.782 min Scan# 1473  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

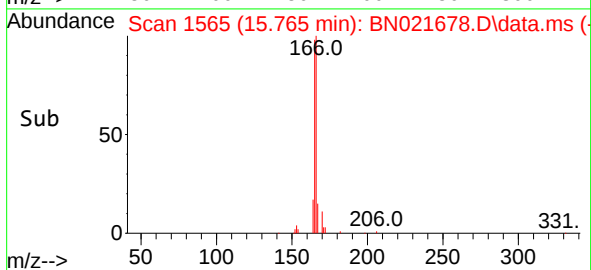
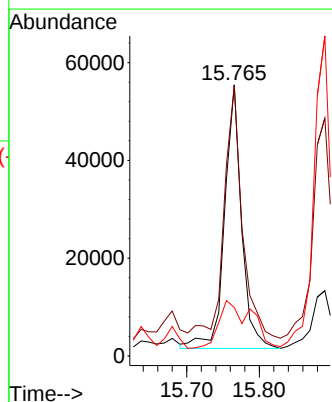
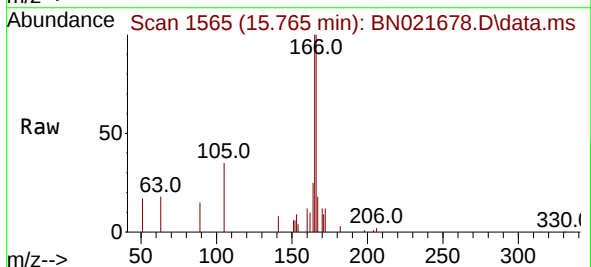
Instrument :  
BNA\_N  
ClientSampleId :  
MW14

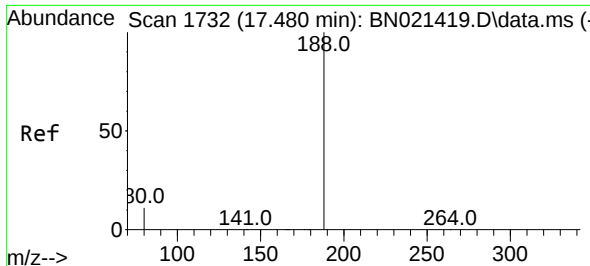
Tgt Ion:154 Resp: 52935  
Ion Ratio Lower Upper  
154 100  
153 132.1 89.5 134.3  
152 82.4 45.5 68.3#



#18  
Fluorene  
Concen: 0.132 ng  
RT: 15.765 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:166 Resp: 87160  
Ion Ratio Lower Upper  
166 100  
165 102.5 78.7 118.1  
167 33.9 10.6 16.0#

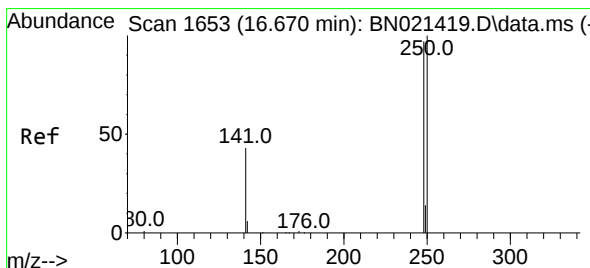
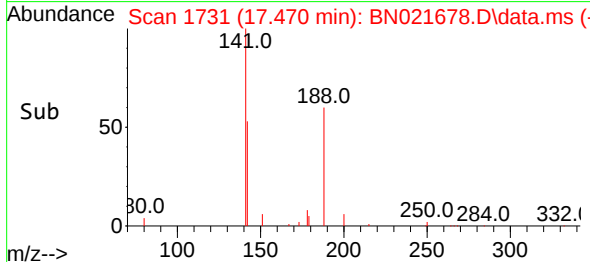
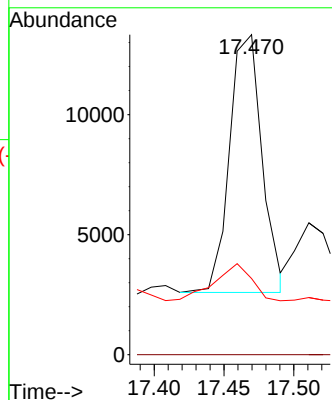
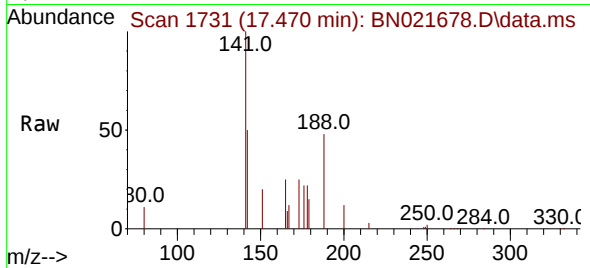




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.470 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

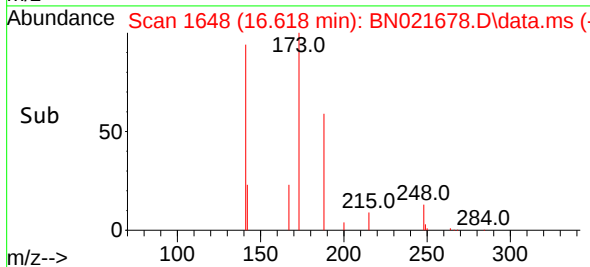
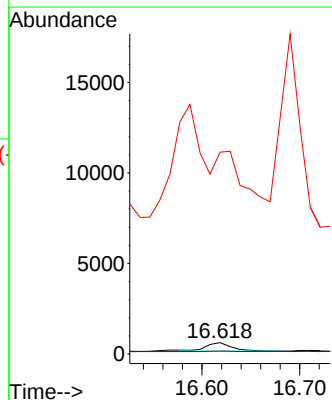
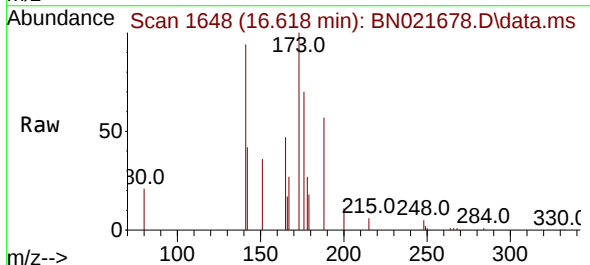
Instrument :  
BNA\_N  
ClientSampleId :  
MW14

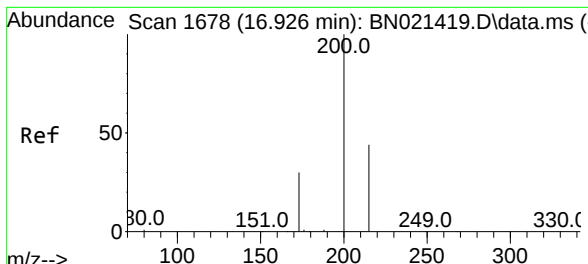
Tgt Ion:188 Resp: 17353  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 23.8 9.5 14.3#



#21  
4-Bromophenyl-phenylether  
Concen: 0.080 ng  
RT: 16.618 min Scan# 1648  
Delta R.T. -0.031 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:248 Resp: 865  
Ion Ratio Lower Upper  
248 100  
250 25.8 81.8 122.6#  
141 1764.6 38.5 57.7#

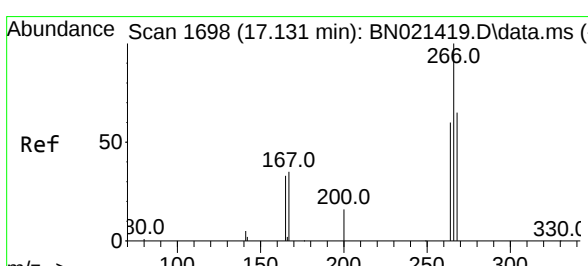
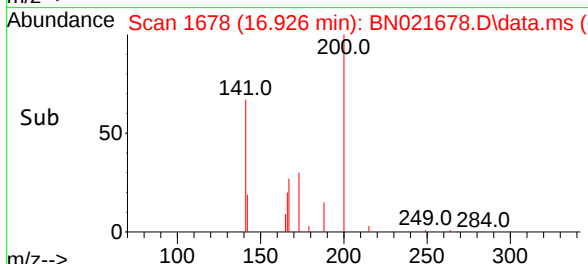
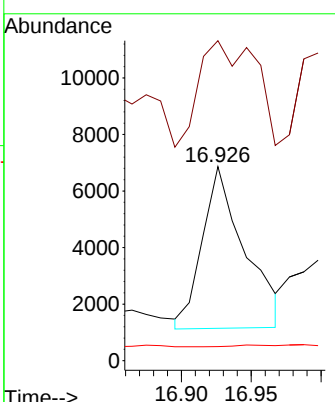
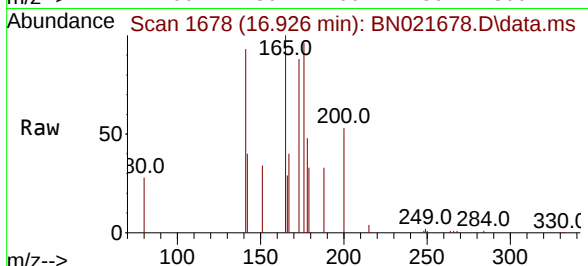




#23  
 Atrazine  
 Concen: 1.896 ng  
 RT: 16.926 min Scan# 1697  
 Delta R.T. 0.010 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

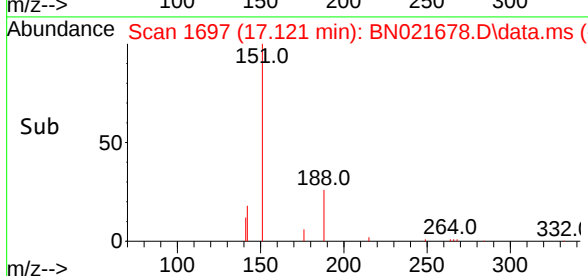
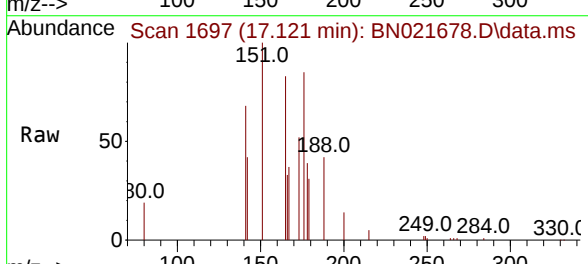
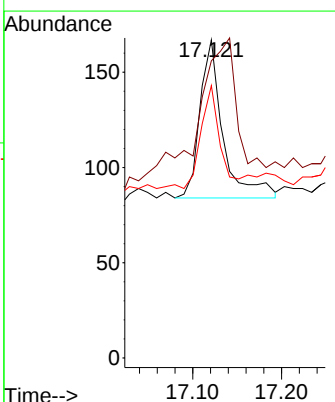
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW14

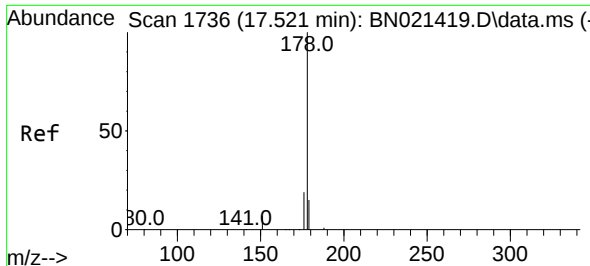
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 12015 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 164.8 | 24.3  | 36.5# |
| 215       | 7.2   | 38.4  | 57.6# |



#24  
 Pentachlorophenol  
 Concen: 0.240 ng  
 RT: 17.121 min Scan# 1697  
 Delta R.T. -0.000 min  
 Lab File: BN021678.D  
 Acq: 10 Sep 2022 01:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 150   |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 0.0   | 49.0  | 73.6# |
| 268       | 50.0  | 50.9  | 76.3# |

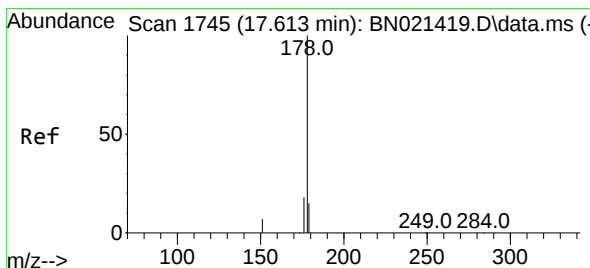
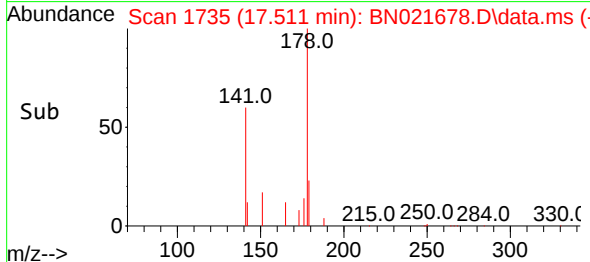
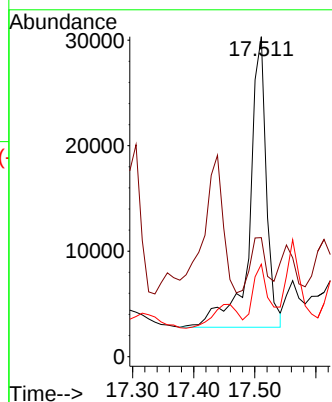
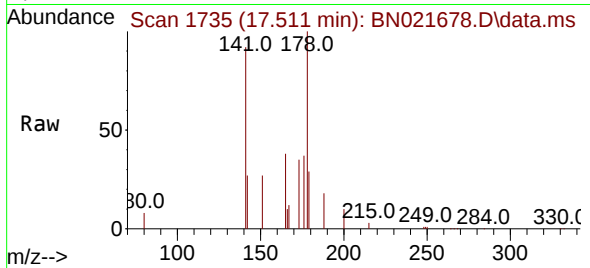




#25  
Phenanthrene  
Concen: 0.887 ng  
RT: 17.511 min Scan# 1740  
Delta R.T. -0.000 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

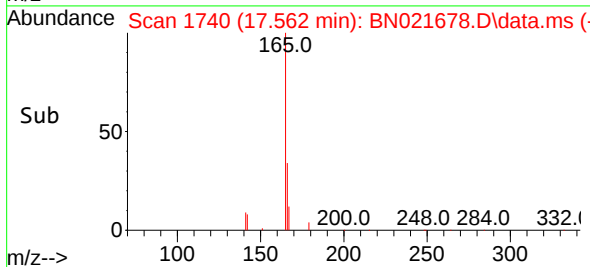
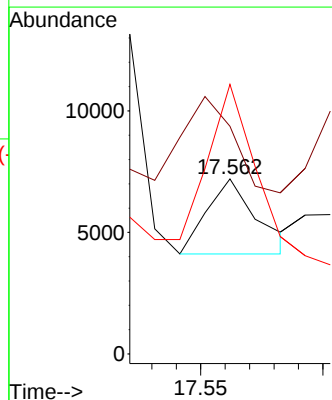
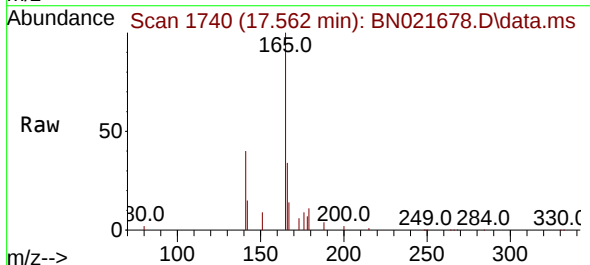
Instrument :  
BNA\_N  
ClientSampleId :  
MW14

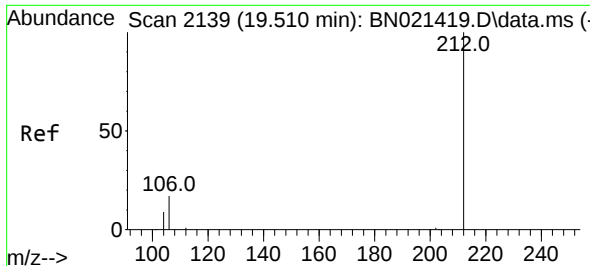
Tgt Ion:178 Resp: 53104  
Ion Ratio Lower Upper  
178 100  
176 17.8 15.4 23.2  
179 16.8 12.2 18.4



#26  
Anthracene  
Concen: 0.092 ng  
RT: 17.562 min Scan# 1740  
Delta R.T. -0.041 min  
Lab File: BN021678.D  
Acq: 10 Sep 2022 01:47

Tgt Ion:178 Resp: 4371  
Ion Ratio Lower Upper  
178 100  
176 130.3 14.6 22.0#  
179 239.0 12.2 18.2#





#27

Fluoranthene-d10

Concen: 0.381 ng

RT: 19.497 min Scan# 2136

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

Instrument :

BNA\_N

ClientSampleId :

MW14

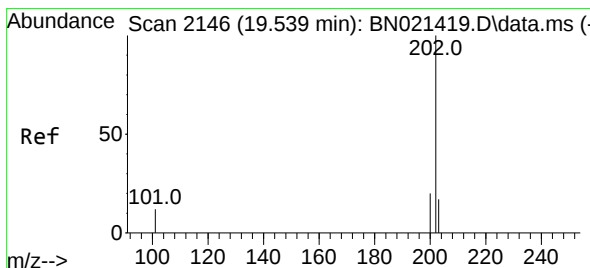
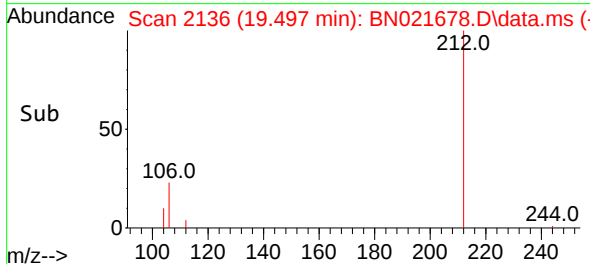
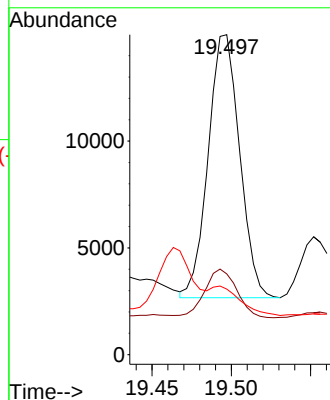
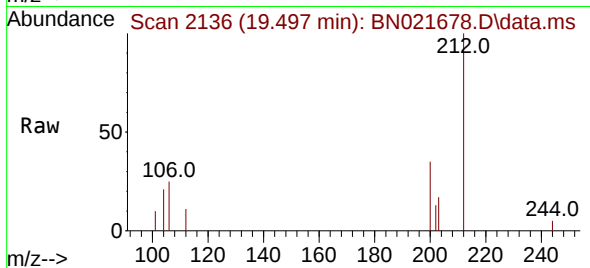
Tgt Ion:212 Resp: 16985

Ion Ratio Lower Upper

212 100

106 19.0 14.2 21.2

104 0.0 7.8 11.6#



#28

Fluoranthene

Concen: 0.063 ng

RT: 19.527 min Scan# 2143

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

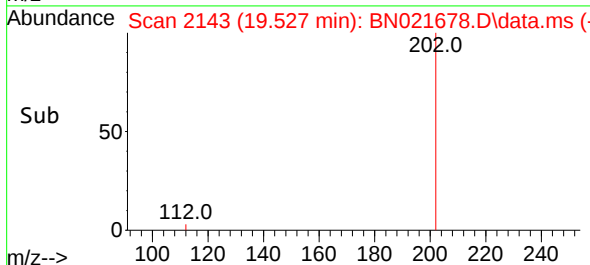
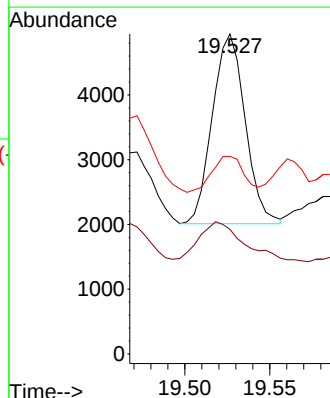
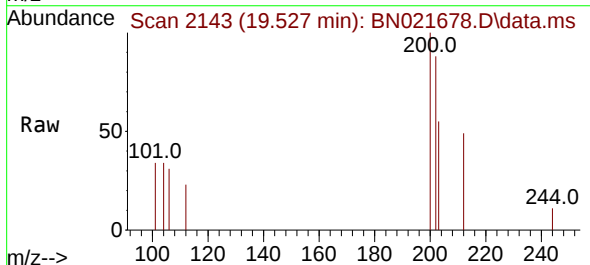
Tgt Ion:202 Resp: 3936

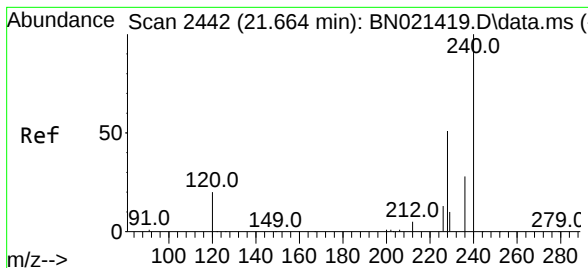
Ion Ratio Lower Upper

202 100

101 29.0 10.9 16.3#

203 18.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.655 min Scan# 2441

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

Instrument :

BNA\_N

ClientSampleId :

MW14

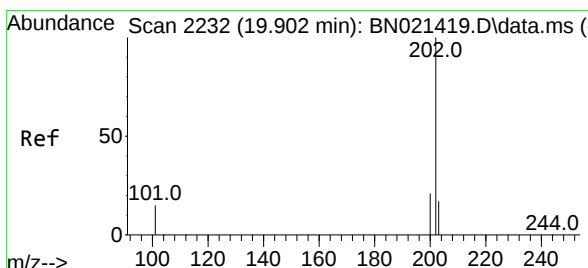
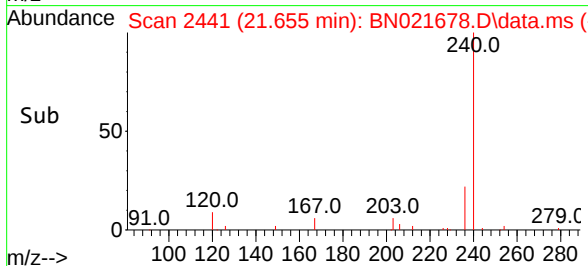
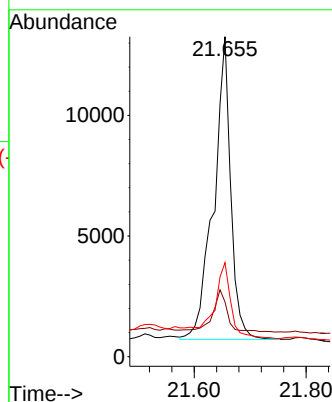
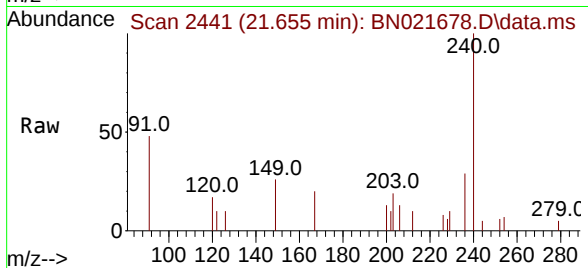
Tgt Ion:240 Resp: 26560

Ion Ratio Lower Upper

240 100

120 17.1 10.2 15.4#

236 29.4 22.1 33.1



#30

Pyrene

Concen: 0.144 ng

RT: 19.889 min Scan# 2229

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

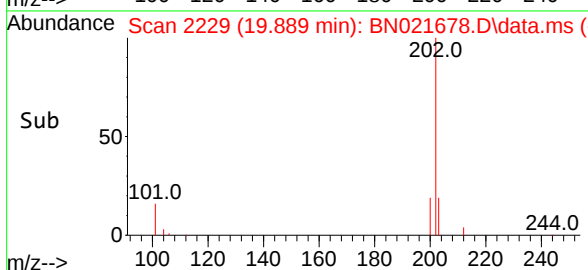
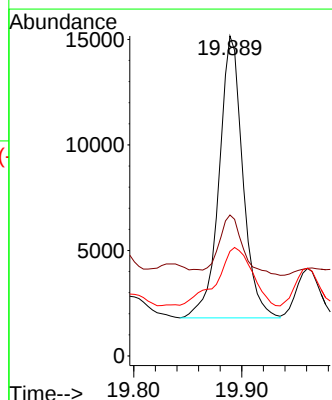
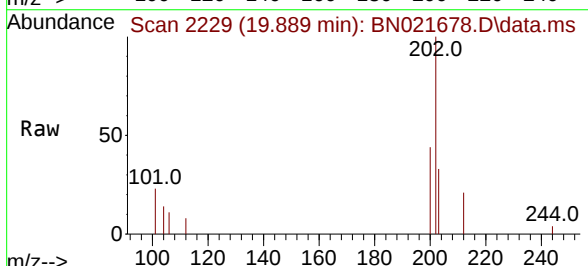
Tgt Ion:202 Resp: 20371

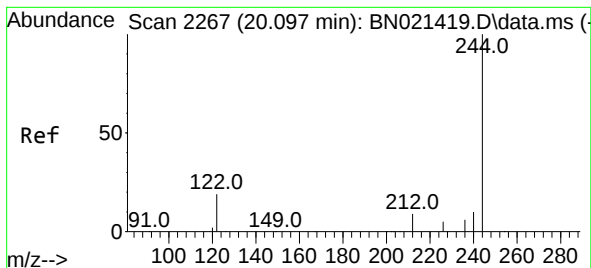
Ion Ratio Lower Upper

202 100

200 21.1 13.9 20.9#

203 30.8 11.9 17.9#





#31

Terphenyl-d14

Concen: 0.152 ng

RT: 20.088 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

Instrument :

BNA\_N

ClientSampleId :

MW14

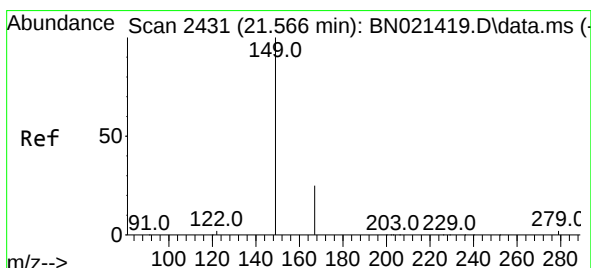
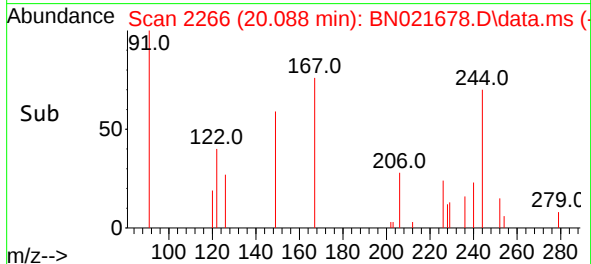
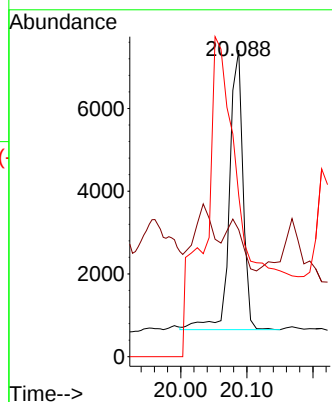
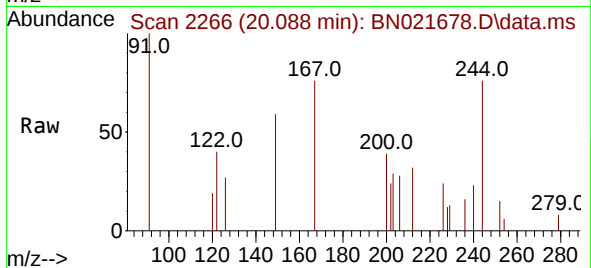
Tgt Ion:244 Resp: 9076

Ion Ratio Lower Upper

244 100

212 41.4 6.5 9.7#

122 52.5 9.1 13.7#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.548 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BN021678.D

Acq: 10 Sep 2022 01:47

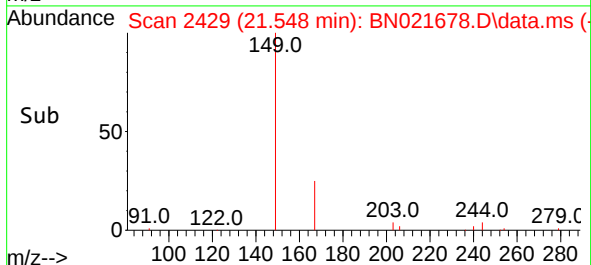
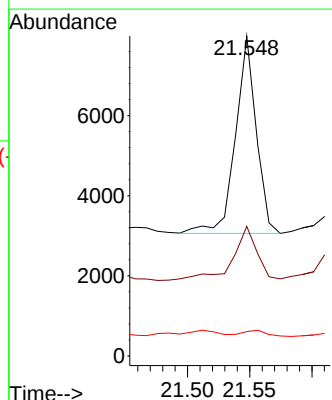
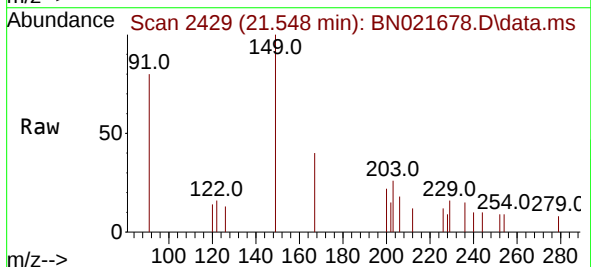
Tgt Ion:149 Resp: 5722

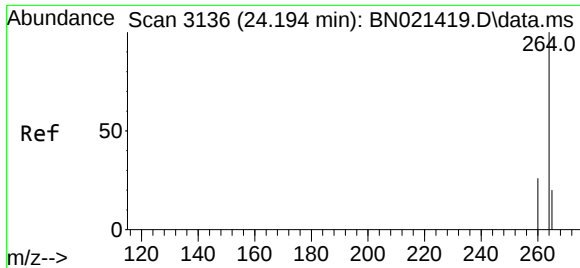
Ion Ratio Lower Upper

149 100

167 32.2 21.4 32.0#

279 3.6 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.164 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN021678.D

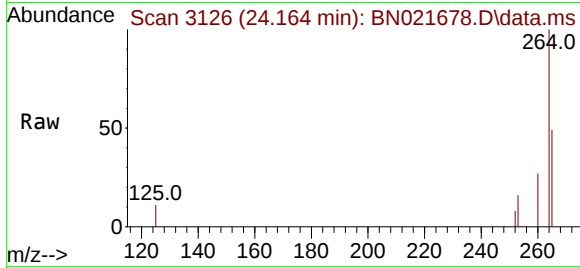
Acq: 10 Sep 2022 01:47

Instrument :

BNA\_N

ClientSampleId :

MW14



Tgt Ion:264 Resp: 10154

Ion Ratio Lower Upper

264 100

260 27.3 21.0 31.6

265 49.1 32.2 48.2#

