

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120321\  
 Data File : BN017718.D  
 Acq On : 04 Dec 2021 08:53  
 Operator : CG/JU  
 Sample : M4917-15  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-31

Quant Time: Dec 06 02:13:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN120321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 03 23:07:38 2021  
 Response via : Initial Calibration

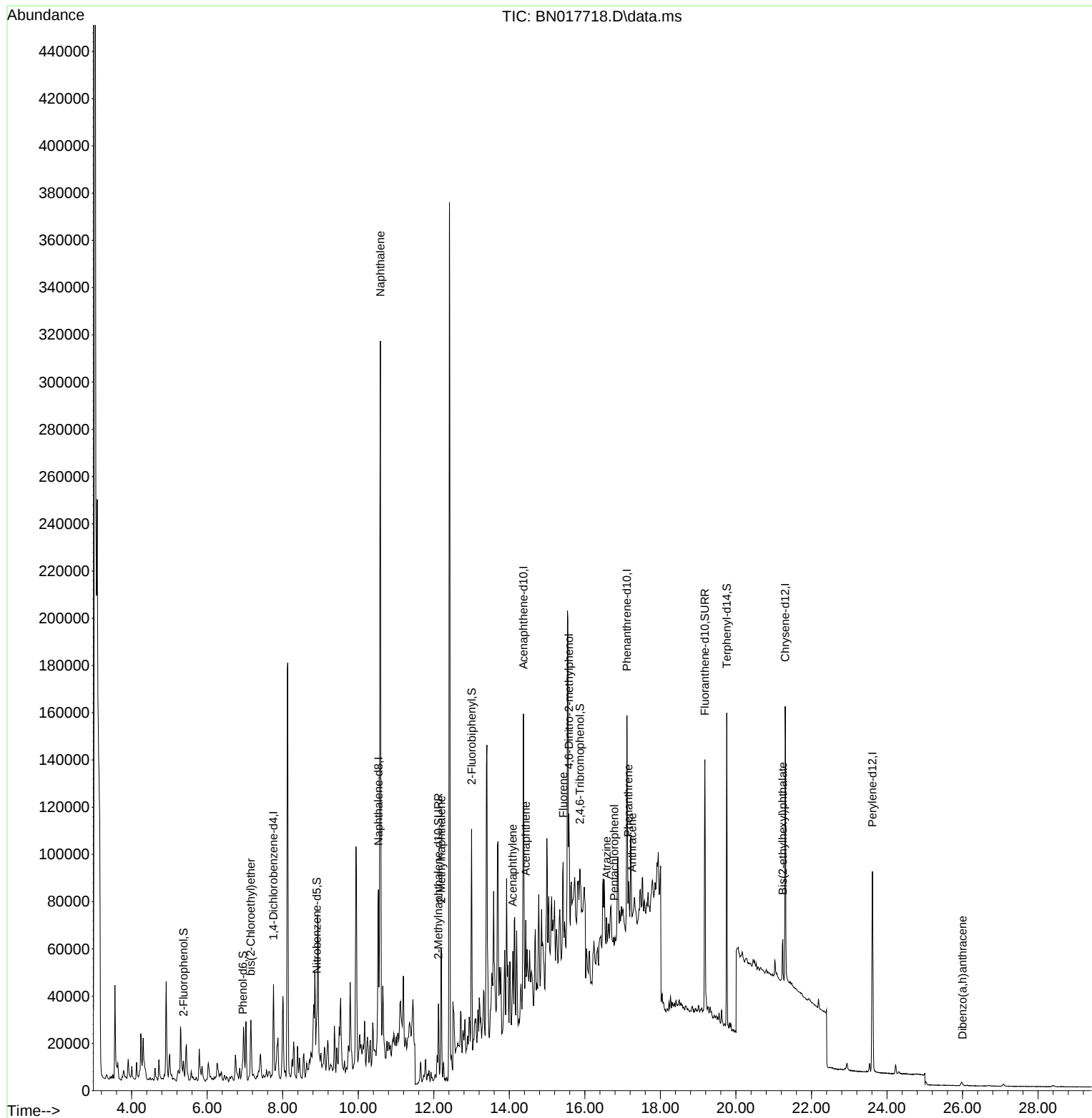
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.755  | 152  | 19652    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.535 | 136  | 80786    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.372 | 164  | 59645    | 0.400 | ng    | # 0.00   |
| 19) Phenanthrene-d10          | 17.116 | 188  | 109447   | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.303 | 240  | 122242   | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.613 | 264  | 118142   | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.376  | 112  | 9307     | 0.201 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.943  | 99   | 5814     | 0.123 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 8.900  | 82   | 18792    | 0.481 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.124 | 152  | 44752    | 0.313 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.869 | 330  | 17547    | 0.596 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.002 | 172  | 77167    | 0.340 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.179 | 212  | 143515   | 0.402 | ng    | 0.03     |
| 31) Terphenyl-d14             | 19.754 | 244  | 136381   | 0.503 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 6) bis(2-Chloroethyl)ether    | 7.155  | 93   | 1499     | 0.030 | ng    | # 1      |
| 9) Naphthalene                | 10.586 | 128  | 382074   | 1.855 | ng    | 98       |
| 12) 2-Methylnaphthalene       | 12.195 | 142  | 38588    | 0.287 | ng    | # 88     |
| 16) Acenaphthylene            | 14.093 | 152  | 5055     | 0.022 | ng    | # 1      |
| 17) Acenaphthene              | 14.435 | 154  | 20607    | 0.132 | ng    | 98       |
| 18) Fluorene                  | 15.425 | 166  | 13970    | 0.072 | ng    | # 96     |
| 20) 4,6-Dinitro-2-methylph... | 15.577 | 198  | 5610     | 1.050 | ng    | # 36     |
| 23) Atrazine                  | 16.581 | 200  | 1904     | 0.132 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.776 | 266  | 413      | 0.294 | ng    | 86       |
| 25) Phenanthrene              | 17.153 | 178  | 17539    | 0.060 | ng    | # 67     |
| 26) Anthracene                | 17.250 | 178  | 5532     | 0.022 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.240 | 149  | 17412    | 0.150 | ng    | # 89     |
| 40) Dibenzo(a,h)anthracene    | 26.002 | 278  | 705      | 0.085 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

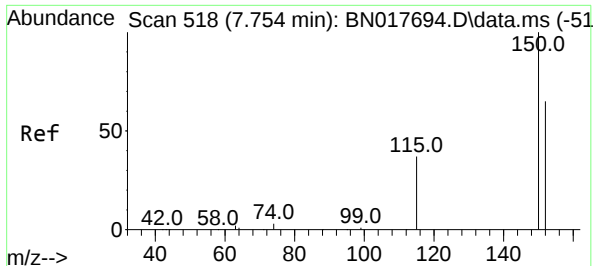
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120321\  
Data File : BN017718.D  
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QLast Update : Fri Dec 03 23:07:38 2021  
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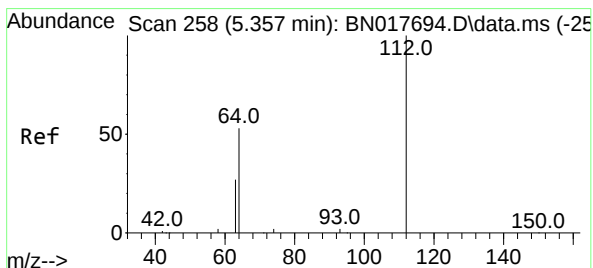
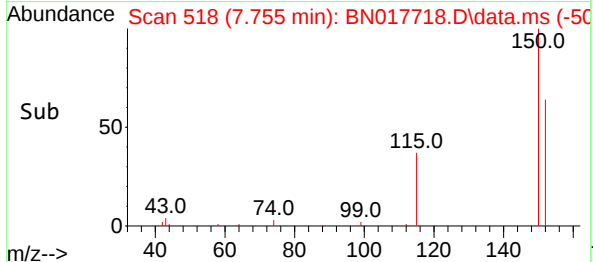
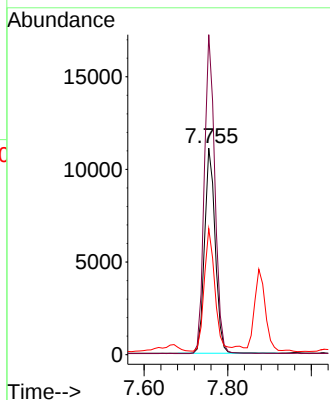
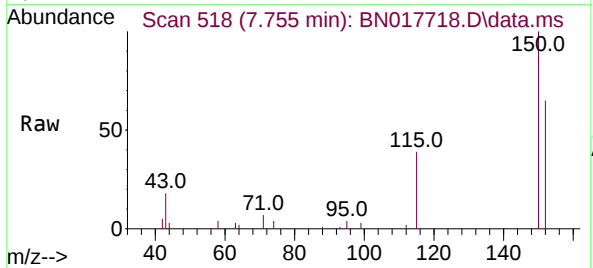




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.755 min Scan# 51  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

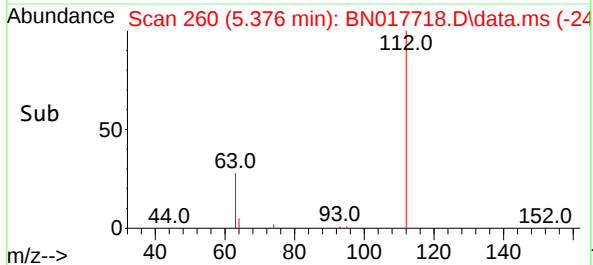
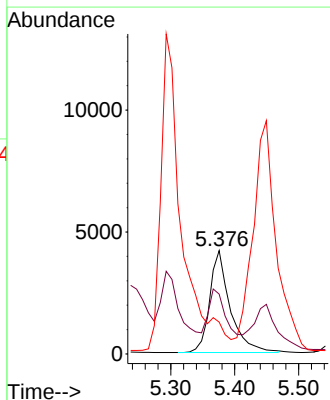
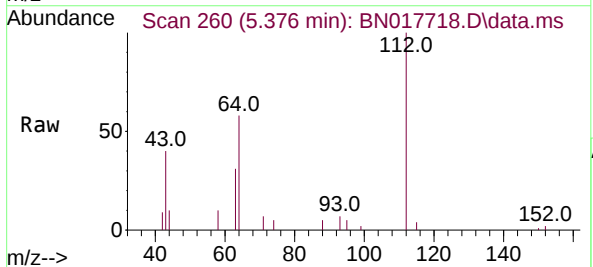
Instrument :  
BNA\_N  
ClientSampleId :  
MW-31

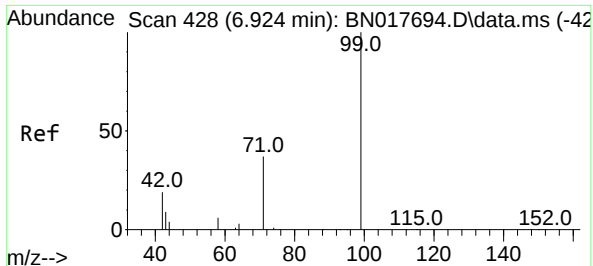
Tgt Ion:152 Resp: 19652  
Ion Ratio Lower Upper  
152 100  
150 154.9 123.0 184.4  
115 61.0 45.6 68.4



#4  
2-Fluorophenol  
Concen: 0.201 ng  
RT: 5.376 min Scan# 260  
Delta R.T. 0.019 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:112 Resp: 9307  
Ion Ratio Lower Upper  
112 100  
64 31.9 47.6 71.4#  
63 0.0 24.6 37.0#

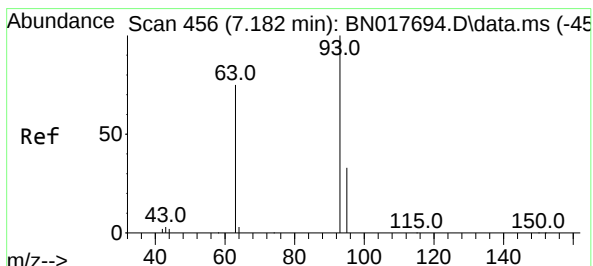
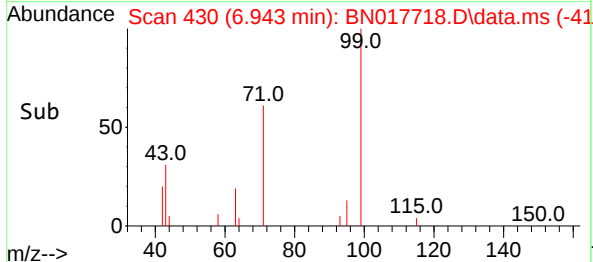
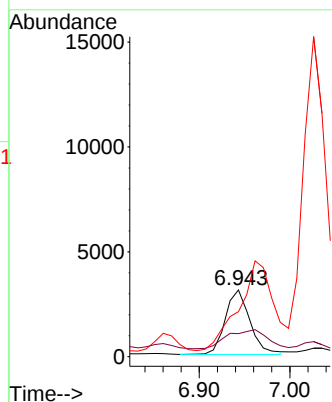
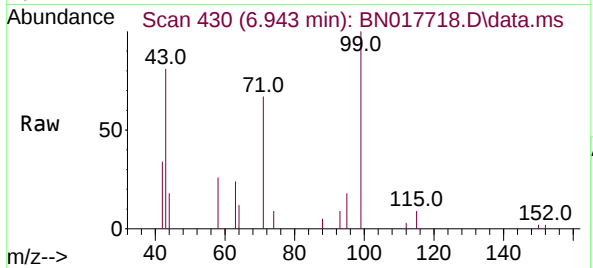




#5  
Phenol-d6  
Concen: 0.123 ng  
RT: 6.943 min Scan# 41  
Delta R.T. 0.019 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

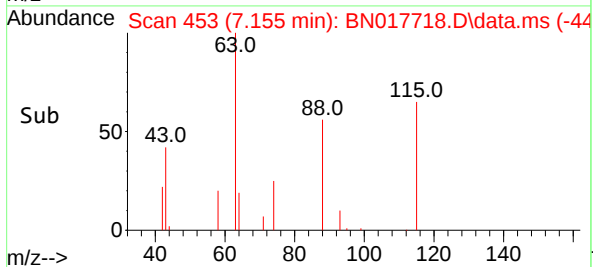
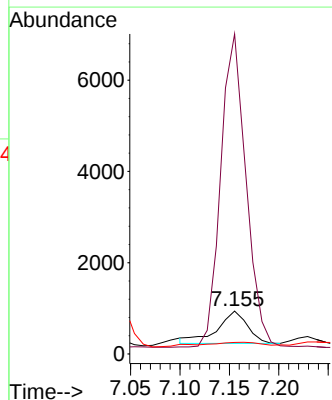
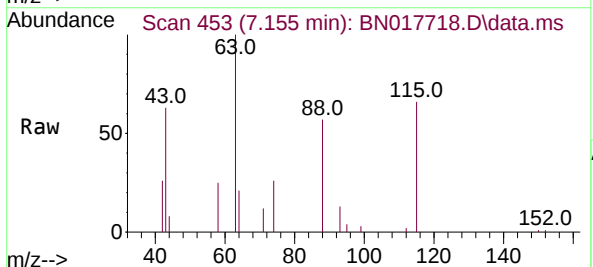
Instrument :  
BNA\_N  
ClientSampleId :  
MW-31

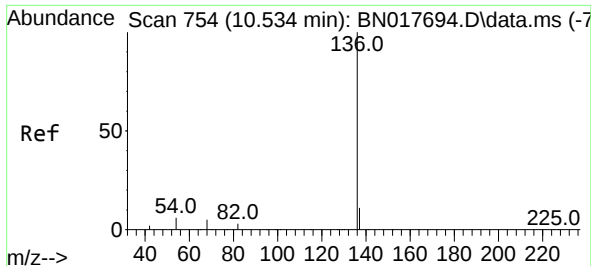
Tgt Ion: 99 Resp: 5814  
Ion Ratio Lower Upper  
99 100  
42 47.2 17.0 25.6#  
71 186.9 24.8 37.2#



#6  
bis(2-Chloroethyl)ether  
Concen: 0.030 ng  
RT: 7.155 min Scan# 453  
Delta R.T. -0.027 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion: 93 Resp: 1499  
Ion Ratio Lower Upper  
93 100  
63 828.0 65.8 98.6#  
95 11.5 26.6 39.8#

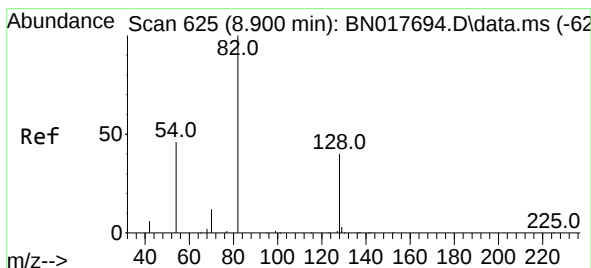
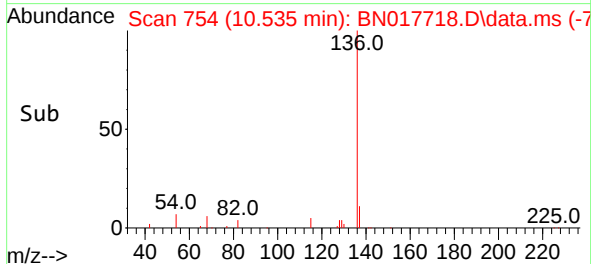
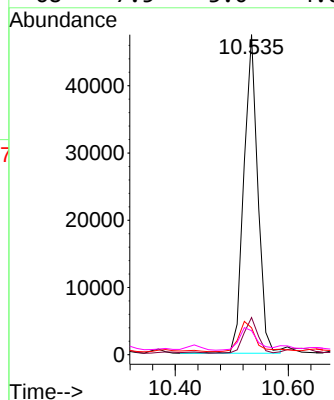
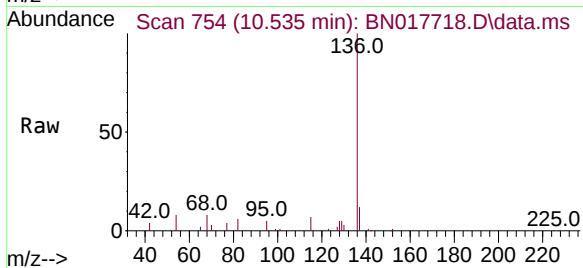




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.535 min Scan# 754  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

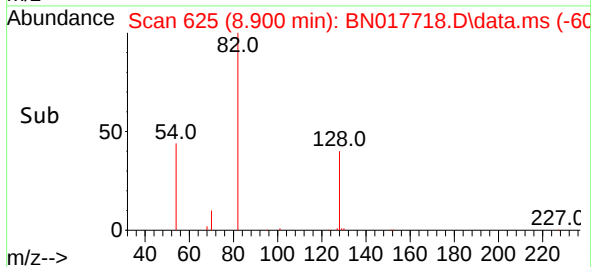
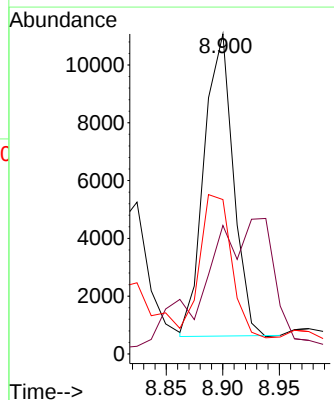
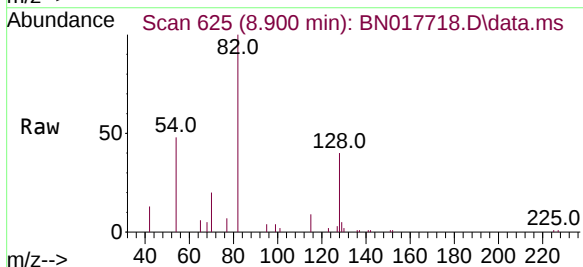
Instrument :  
BNA\_N  
ClientSampleId :  
MW-31

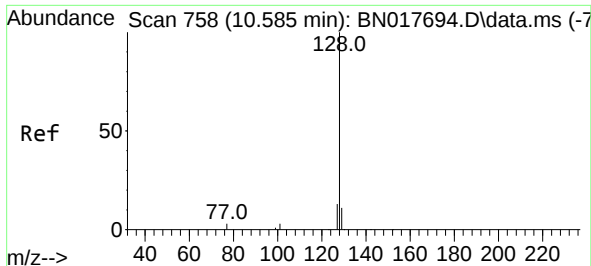
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 80786 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.6  | 8.8   | 13.2  |
| 54        | 8.4   | 4.0   | 6.0#  |
| 68        | 7.5   | 3.0   | 4.6#  |



#8  
Nitrobenzene-d5  
Concen: 0.481 ng  
RT: 8.900 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 18792 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 40.1  | 27.7  | 41.5  |
| 54        | 48.3  | 49.2  | 73.8# |

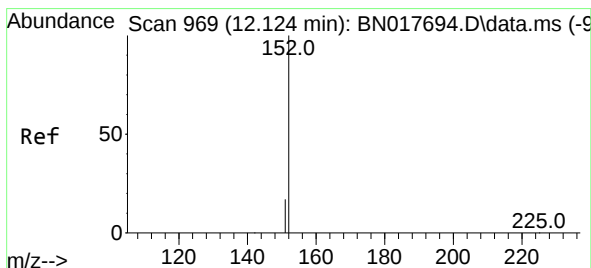
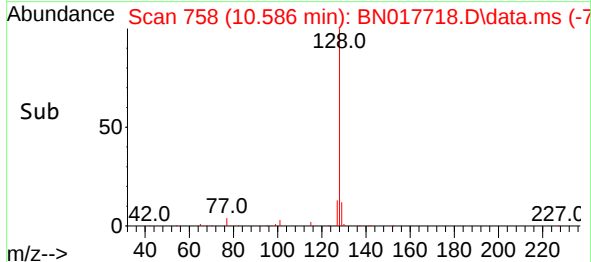
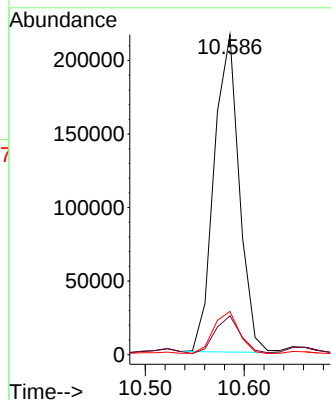
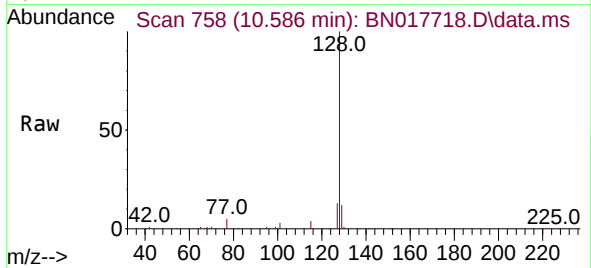




#9  
Naphthalene  
Concen: 1.855 ng  
RT: 10.586 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

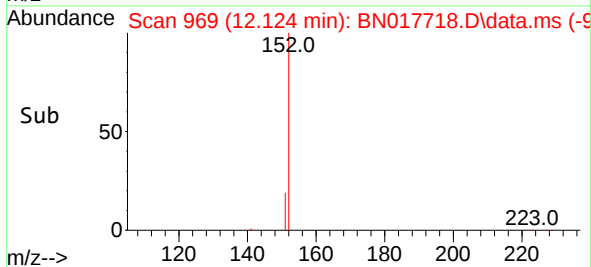
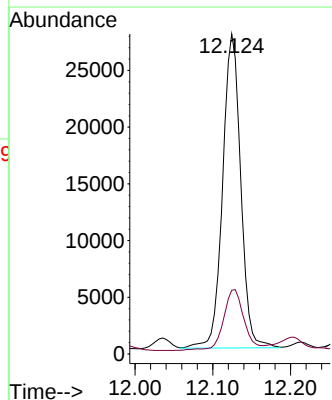
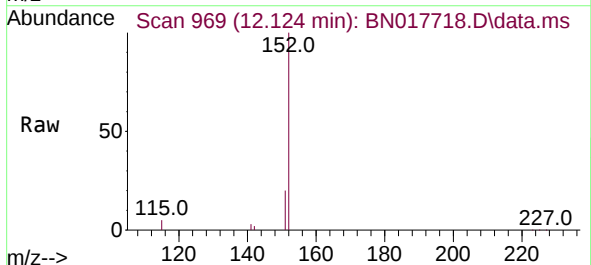
Instrument :  
BNA\_N  
ClientSampleId :  
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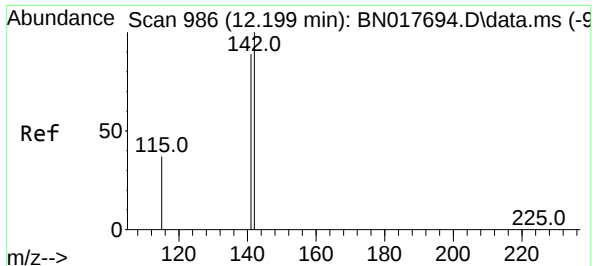
Tgt Ion:128 Resp: 382074  
Ion Ratio Lower Upper  
128 100  
129 12.1 8.8 13.2  
127 13.5 10.6 15.8



#11  
2-Methylnaphthalene-d10  
Concen: 0.313 ng  
RT: 12.124 min Scan# 969  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:152 Resp: 44752  
Ion Ratio Lower Upper  
152 100  
151 22.2 16.2 24.4





#12

2-Methylnaphthalene

Concen: 0.287 ng

RT: 12.195 min Scan# 986

Delta R.T. -0.004 min

Lab File: BN017718.D

Acq: 04 Dec 2021 08:53

Instrument :

BNA\_N

ClientSampleId :

MW-31

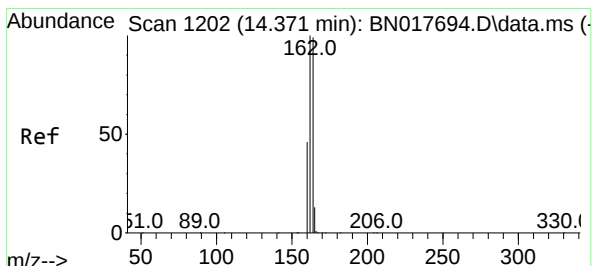
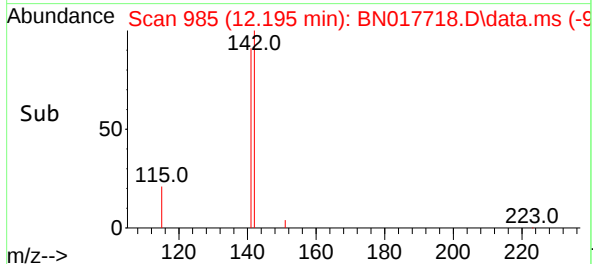
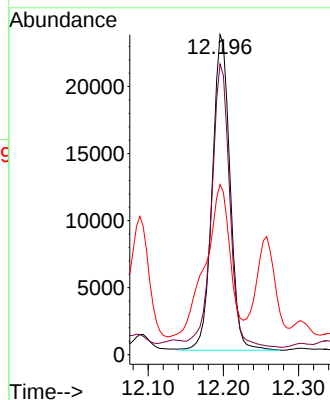
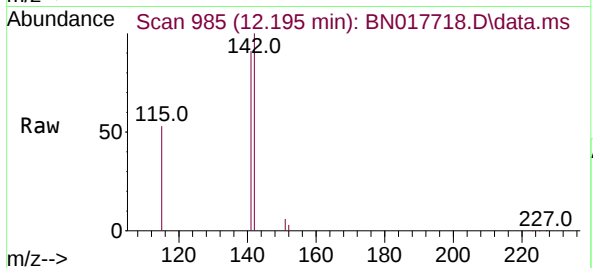
Tgt Ion:142 Resp: 38588

Ion Ratio Lower Upper

142 100

141 90.8 70.6 106.0

115 53.1 25.8 38.6#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.372 min Scan# 1202

Delta R.T. 0.001 min

Lab File: BN017718.D

Acq: 04 Dec 2021 08:53

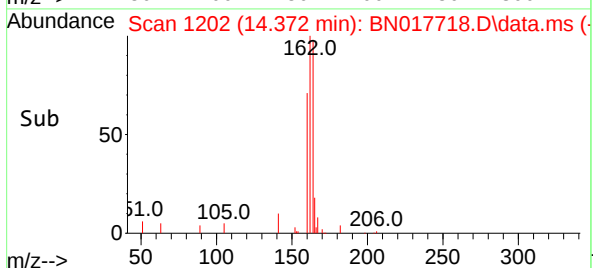
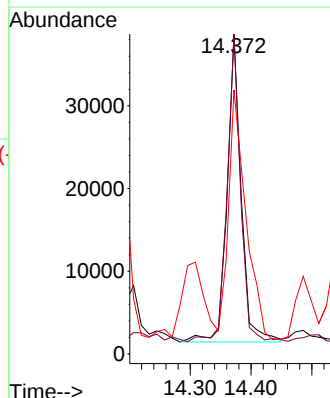
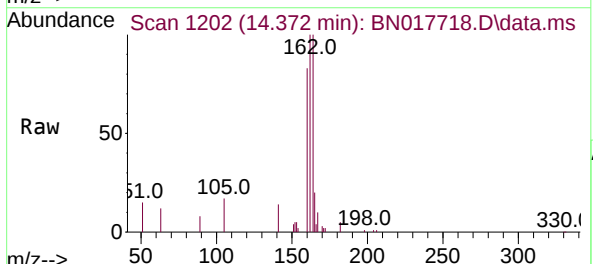
Tgt Ion:164 Resp: 59645

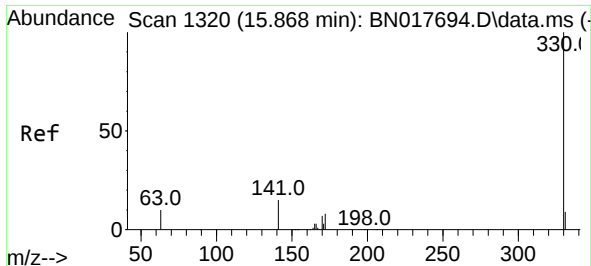
Ion Ratio Lower Upper

164 100

162 100.1 81.4 122.2

160 82.6 36.8 55.2#

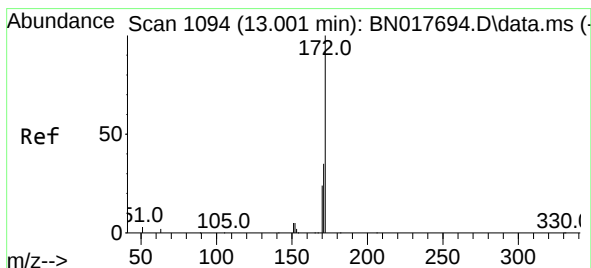
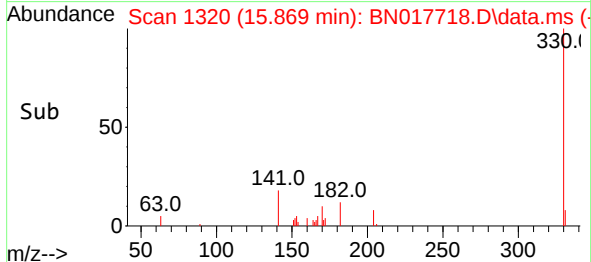
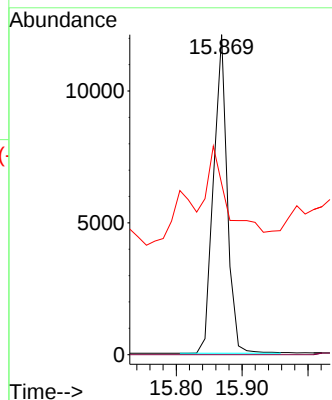
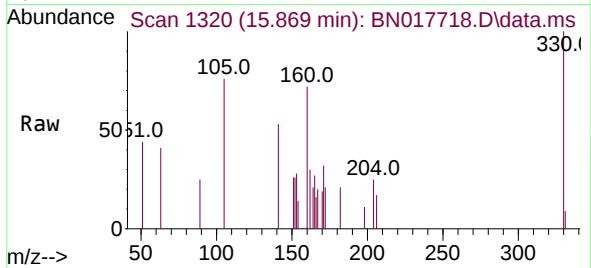




#14  
2,4,6-Tribromophenol  
Concen: 0.596 ng  
RT: 15.869 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

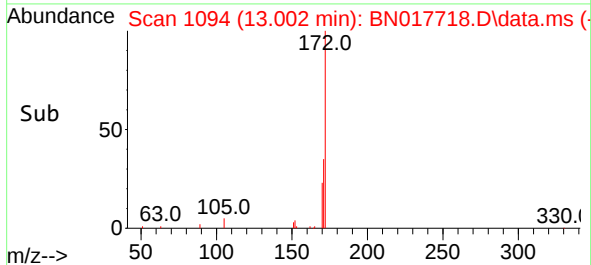
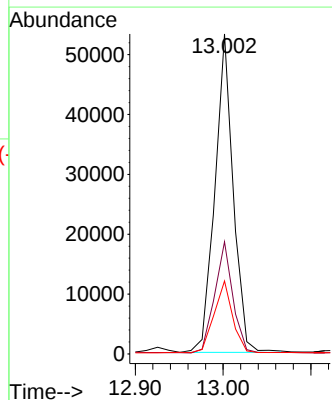
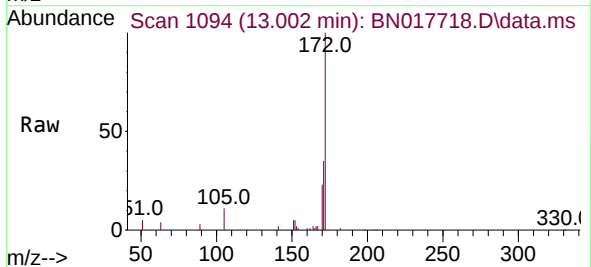
Instrument :  
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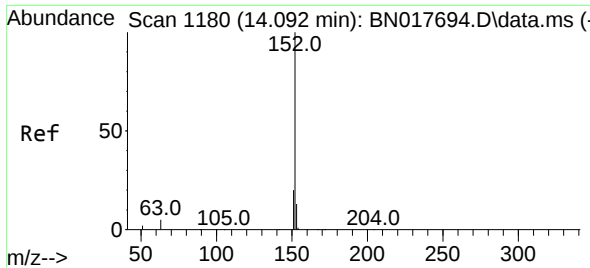
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Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 35.1 28.9 43.3



#15  
2-Fluorobiphenyl  
Concen: 0.340 ng  
RT: 13.002 min Scan# 1094  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:172 Resp: 77167  
Ion Ratio Lower Upper  
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171 35.0 28.7 43.1  
170 22.8 19.4 29.2

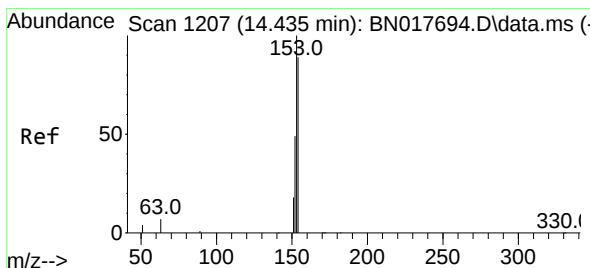
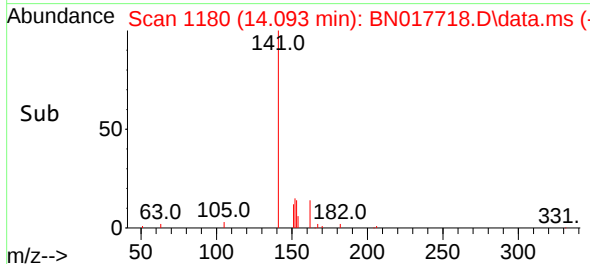
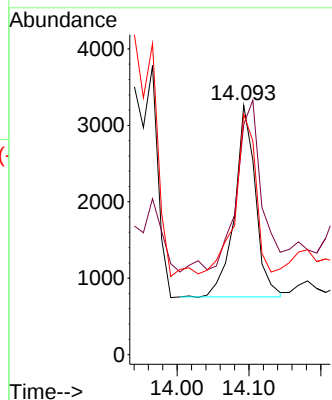
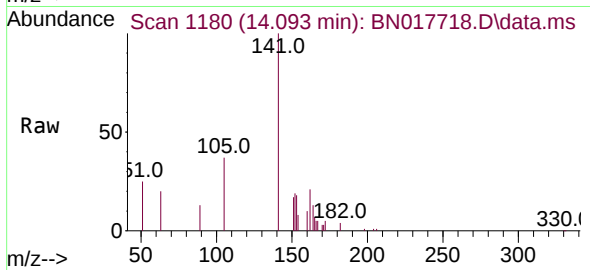




#16  
Acenaphthylene  
Concen: 0.022 ng  
RT: 14.093 min Scan# 1180  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

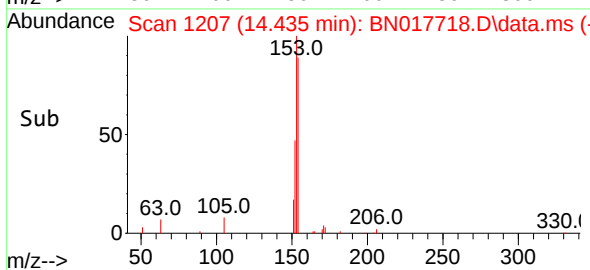
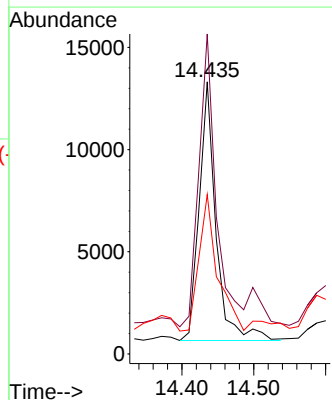
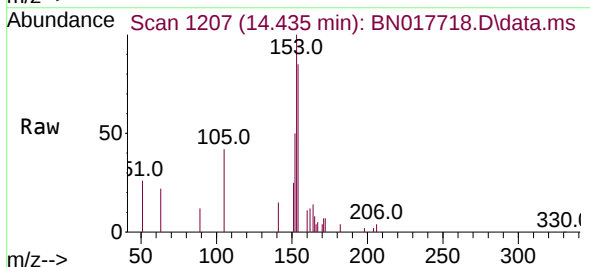
Instrument :  
BNA\_N  
ClientSampleId :  
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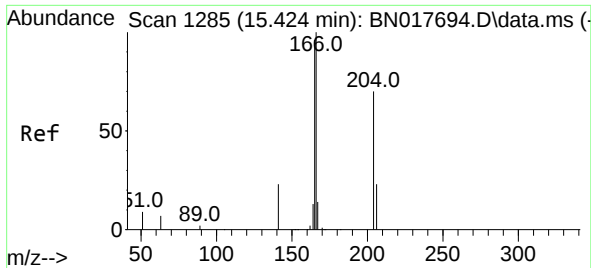
Tgt Ion:152 Resp: 5055  
Ion Ratio Lower Upper  
152 100  
151 114.6 15.5 23.3#  
153 81.3 10.4 15.6#



#17  
Acenaphthene  
Concen: 0.132 ng  
RT: 14.435 min Scan# 1207  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:154 Resp: 20607  
Ion Ratio Lower Upper  
154 100  
153 115.5 91.2 136.8  
152 57.6 44.3 66.5

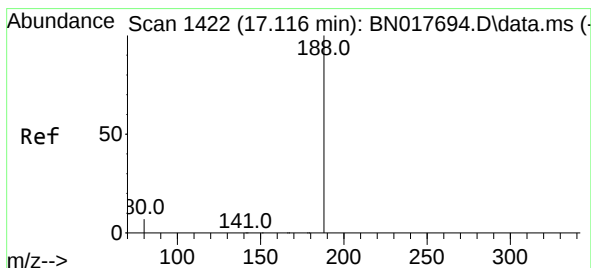
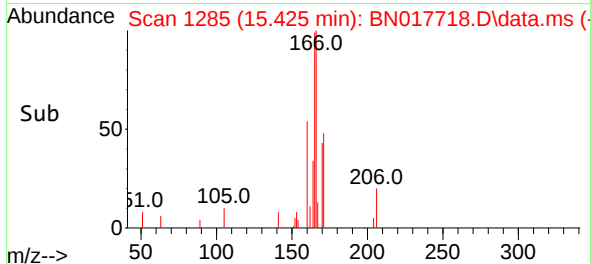
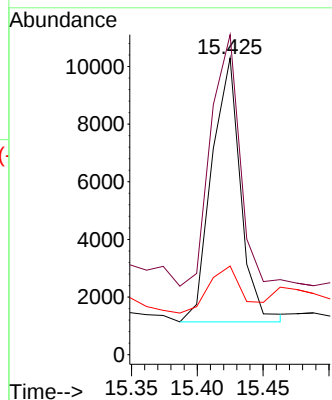
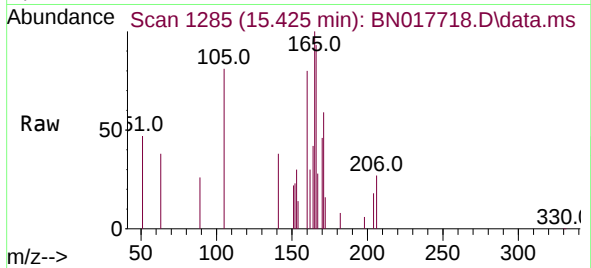




#18  
Fluorene  
Concen: 0.072 ng  
RT: 15.425 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

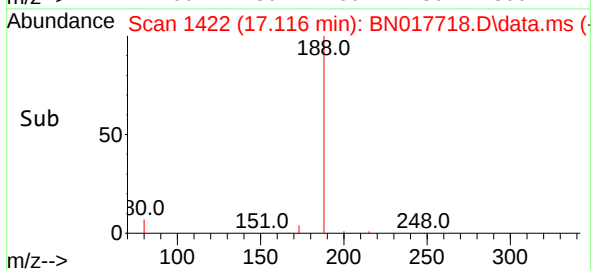
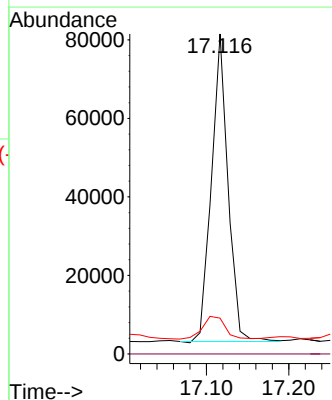
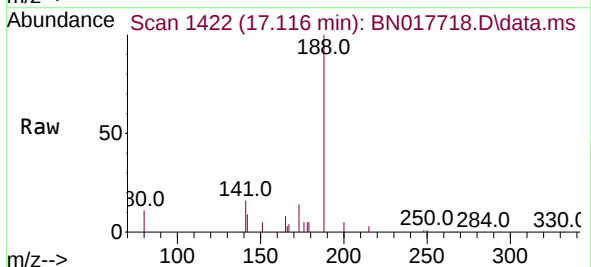
Instrument :  
BNA\_N  
ClientSampleId :  
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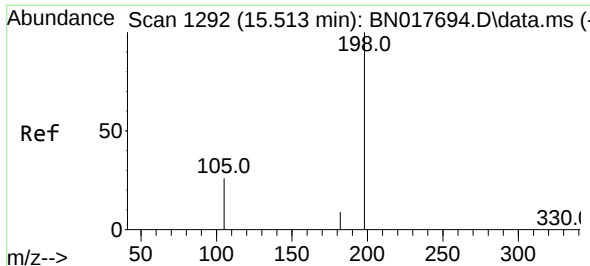
Tgt Ion:166 Resp: 13970  
Ion Ratio Lower Upper  
166 100  
165 96.0 77.9 116.9  
167 21.1 10.9 16.3#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.116 min Scan# 1422  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:188 Resp: 109447  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.2 6.1 9.1#

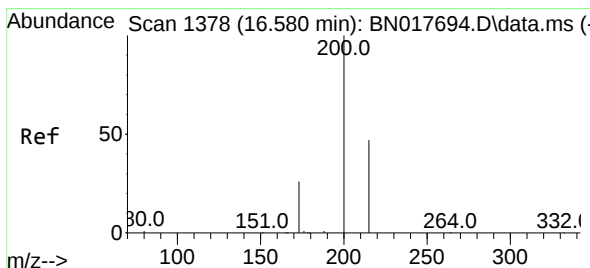
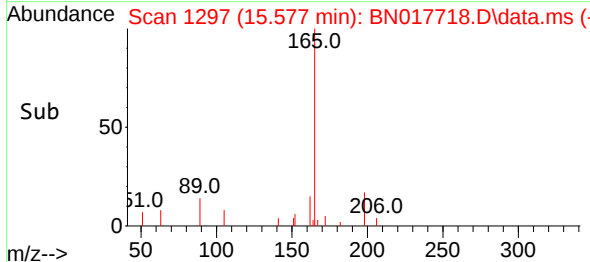
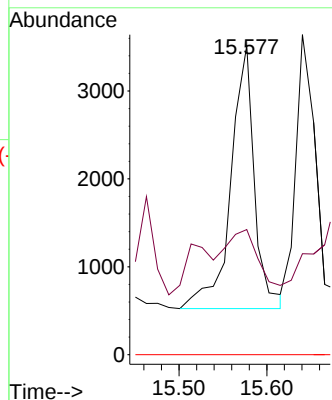
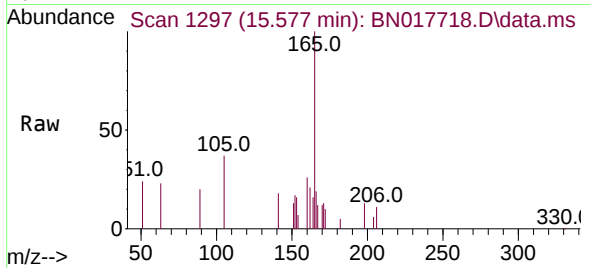




#20  
4,6-Dinitro-2-methylphenol  
Concen: 1.050 ng  
RT: 15.577 min Scan# 1297  
Delta R.T. 0.064 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

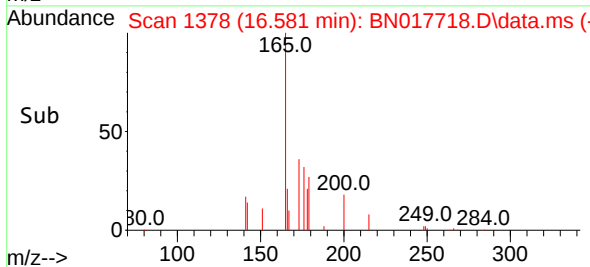
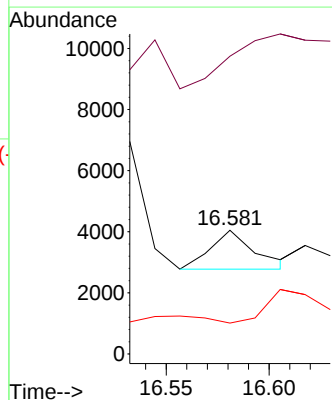
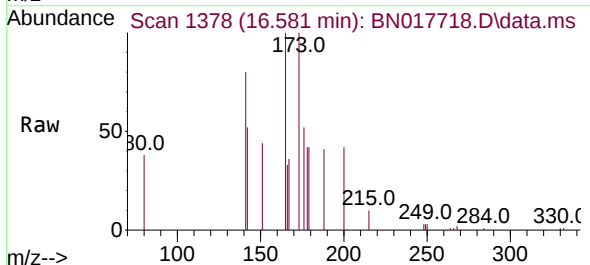
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BNA\_N  
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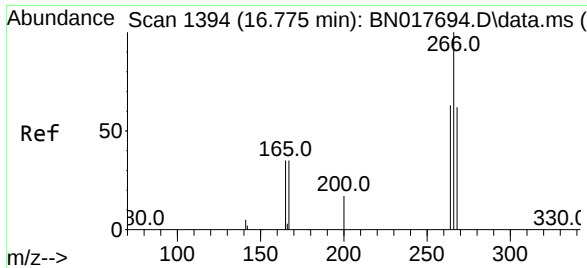
Tgt Ion:198 Resp: 5610  
Ion Ratio Lower Upper  
198 100  
182 40.4 11.4 17.2#  
77 0.0 0.0 0.0



#23  
Atrazine  
Concen: 0.132 ng  
RT: 16.581 min Scan# 1378  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:200 Resp: 1904  
Ion Ratio Lower Upper  
200 100  
173 240.7 17.6 26.4#  
215 25.0 40.2 60.4#

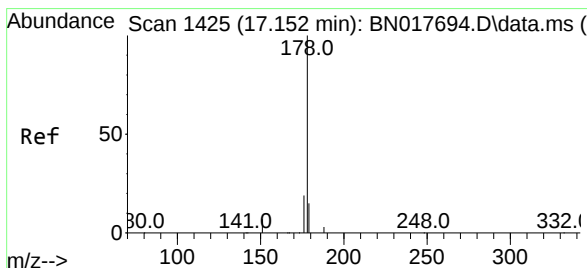
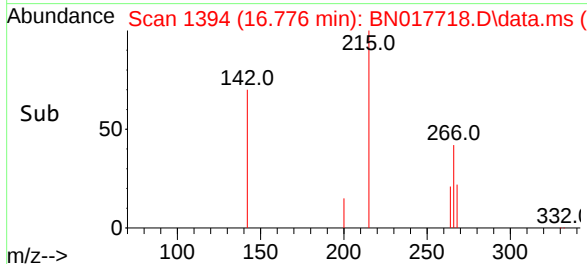
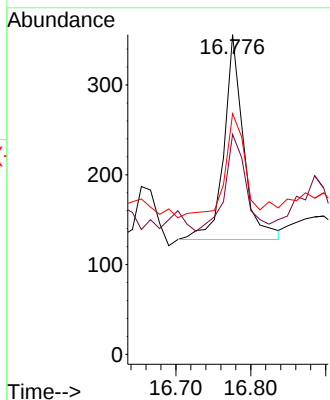
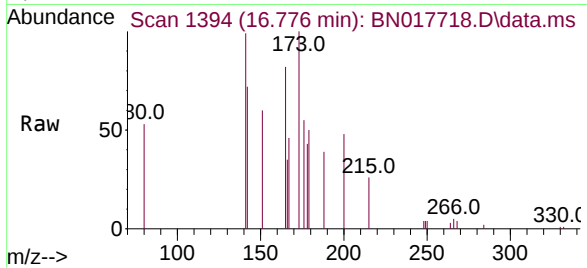




#24  
 Pentachlorophenol  
 Concen: 0.294 ng  
 RT: 16.776 min Scan# 1394  
 Delta R.T. 0.001 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

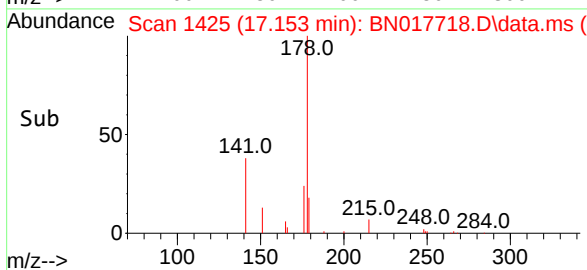
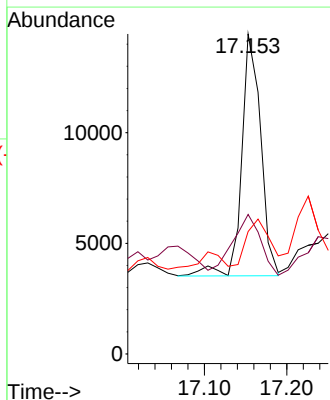
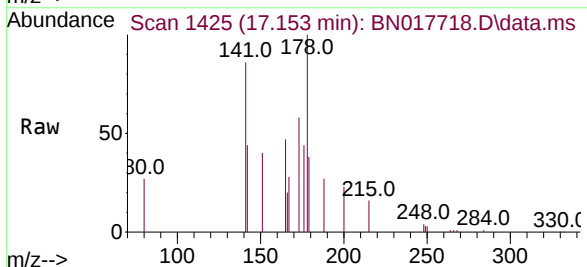
Instrument :  
 BNA\_N  
 ClientSampleId :  
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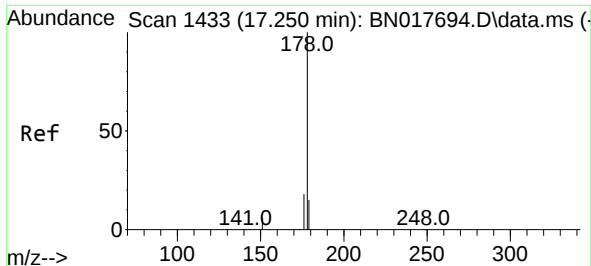
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 413  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 51.6  | 49.8  | 74.8 |
| 268       | 52.8  | 51.3  | 76.9 |



#25  
 Phenanthrene  
 Concen: 0.060 ng  
 RT: 17.153 min Scan# 1425  
 Delta R.T. 0.001 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 17539 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 37.7  | 15.0  | 22.6# |
| 179       | 24.5  | 12.3  | 18.5# |

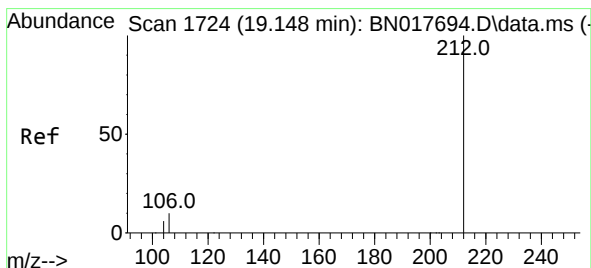
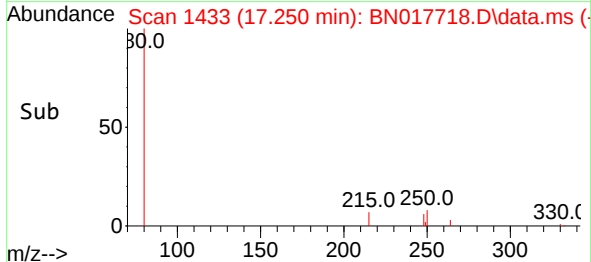
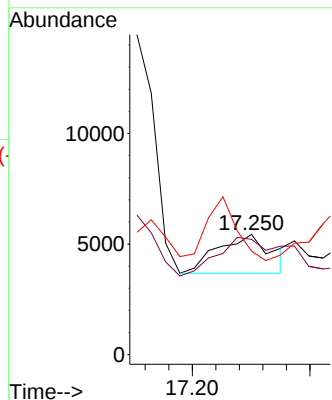
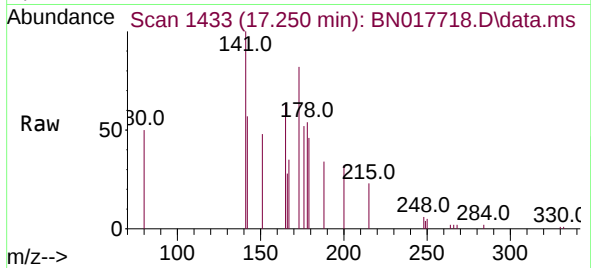




#26  
 Anthracene  
 Concen: 0.022 ng  
 RT: 17.250 min Scan# 1433  
 Delta R.T. 0.000 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

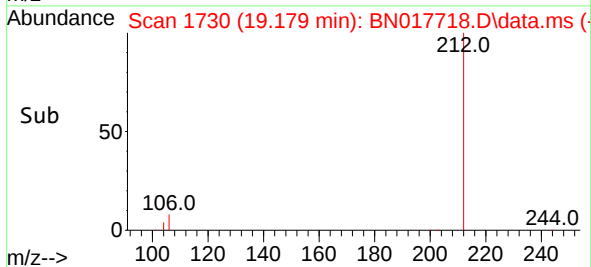
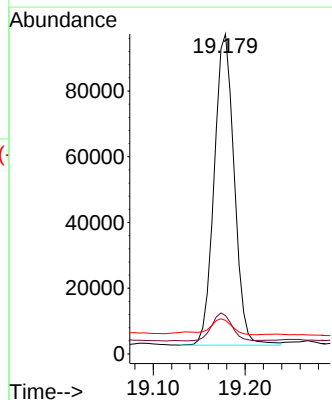
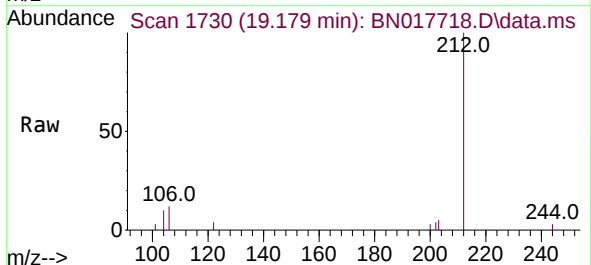
Instrument :  
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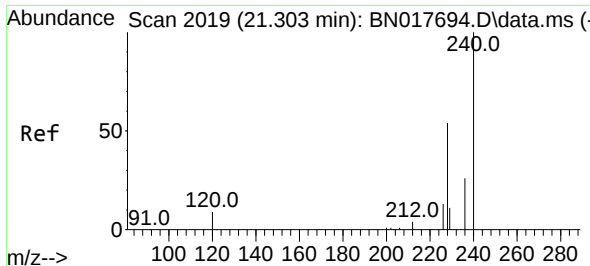
Tgt Ion:178 Resp: 5532  
 Ion Ratio Lower Upper  
 178 100  
 176 132.8 14.6 22.0#  
 179 0.0 12.2 18.4#



#27  
 Fluoranthene-d10  
 Concen: 0.402 ng  
 RT: 19.179 min Scan# 1730  
 Delta R.T. 0.030 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

Tgt Ion:212 Resp: 143515  
 Ion Ratio Lower Upper  
 212 100  
 106 9.0 10.5 15.7#  
 104 5.2 5.8 8.6#

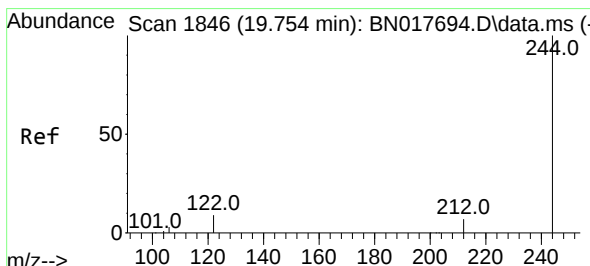
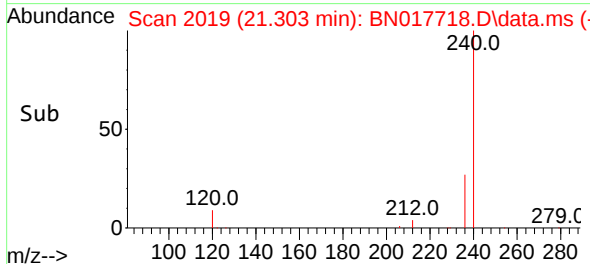
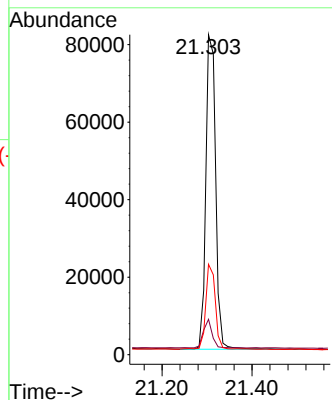
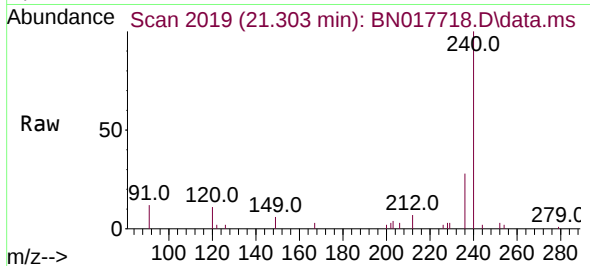




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.303 min Scan# 2019  
Delta R.T. 0.001 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

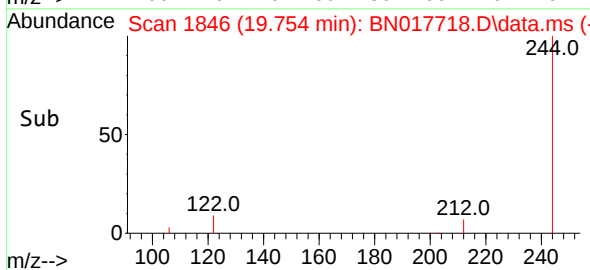
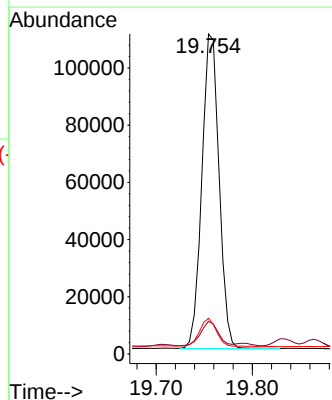
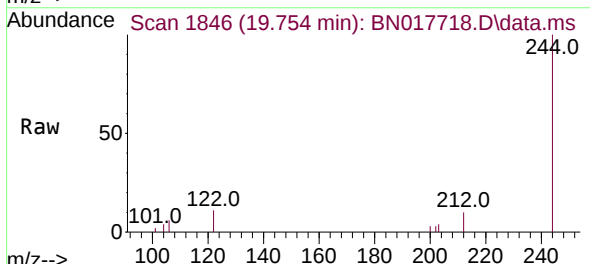
Instrument :  
BNA\_N  
ClientSampleId :  
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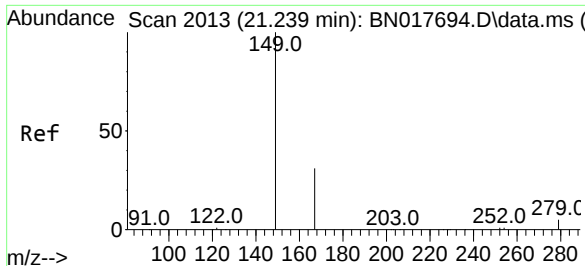
Tgt Ion:240 Resp: 122242  
Ion Ratio Lower Upper  
240 100  
120 11.1 4.2 6.2#  
236 28.2 20.0 30.0



#31  
Terphenyl-d14  
Concen: 0.503 ng  
RT: 19.754 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: BN017718.D  
Acq: 04 Dec 2021 08:53

Tgt Ion:244 Resp: 136381  
Ion Ratio Lower Upper  
244 100  
212 10.2 5.7 8.5#  
122 11.1 8.6 13.0

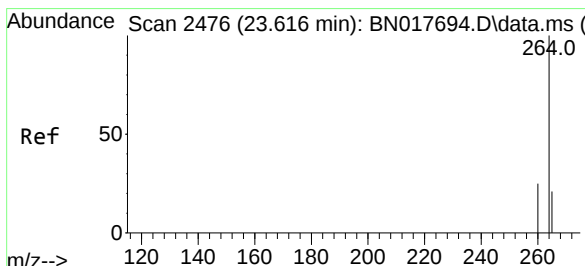
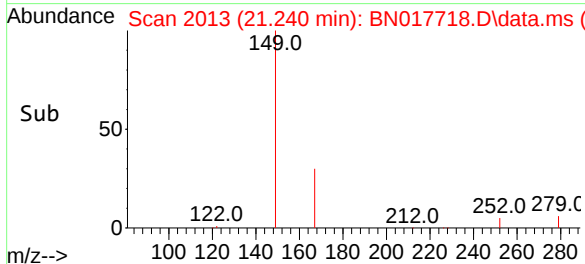
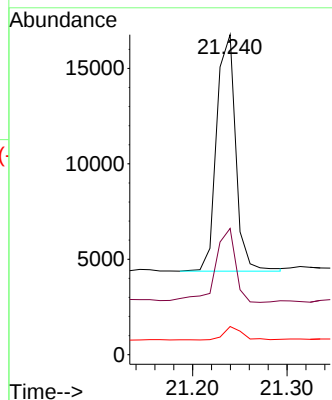
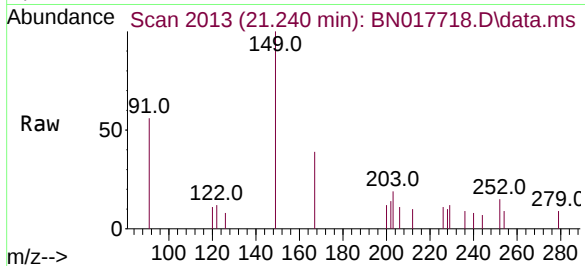




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.150 ng  
 RT: 21.240 min Scan# 20  
 Delta R.T. 0.001 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

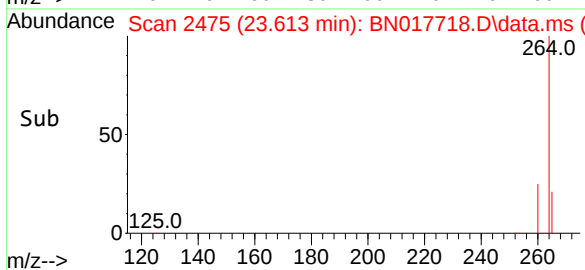
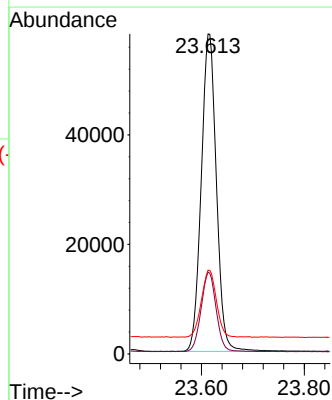
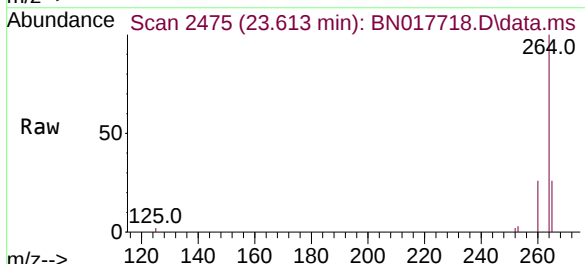
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-31

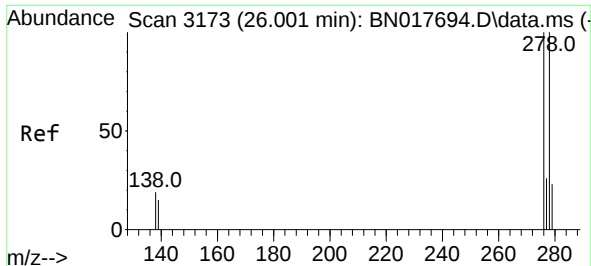
Tgt Ion:149 Resp: 17412  
 Ion Ratio Lower Upper  
 149 100  
 167 33.4 21.8 32.6#  
 279 5.2 3.4 5.0#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.613 min Scan# 2475  
 Delta R.T. -0.003 min  
 Lab File: BN017718.D  
 Acq: 04 Dec 2021 08:53

Tgt Ion:264 Resp: 118142  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 19.4 29.2  
 265 26.2 18.6 28.0





#40

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 26.002 min Scan# 31

Delta R.T. 0.001 min

Lab File: BN017718.D

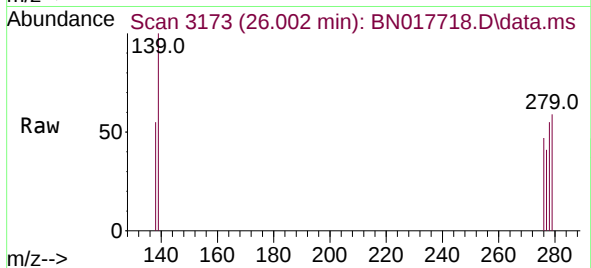
Acq: 04 Dec 2021 08:53

Instrument :

BNA\_N

ClientSampleId :

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Tgt Ion:278 Resp: 705

Ion Ratio Lower Upper

278 100

139 182.7 13.0 19.6#

279 108.7 19.2 28.8#

