

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122921\  
 Data File : BN018279.D  
 Acq On : 30 Dec 2021 03:14  
 Operator : CG/JU  
 Sample : M5107-07  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 30 05:00:08 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN122921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 29 16:08:47 2021  
 Response via : Initial Calibration

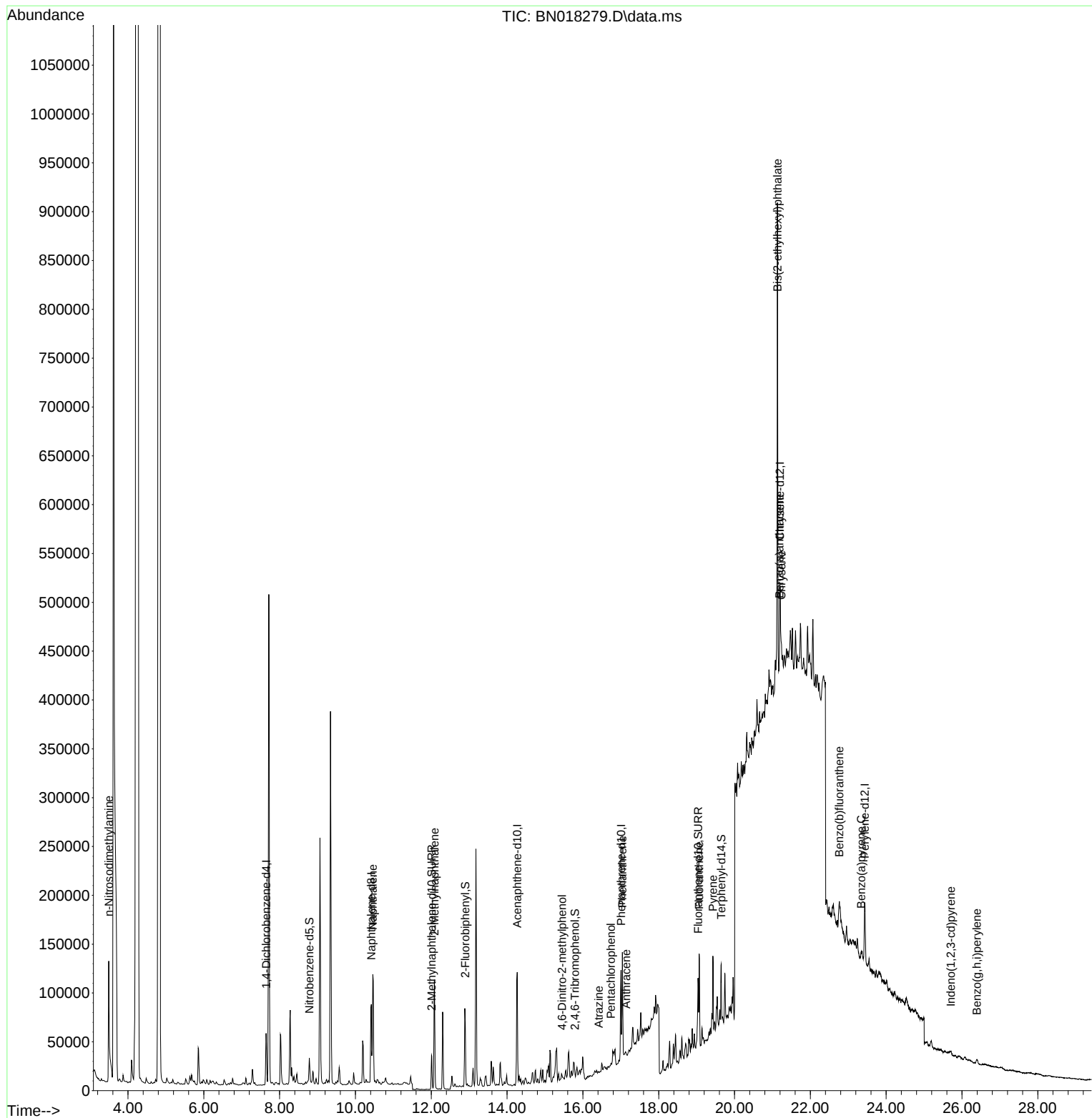
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.642  | 152  | 27214    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.419 | 136  | 115504   | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.269 | 164  | 74822    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.005 | 188  | 133199   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.195 | 240  | 82576    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.436 | 264  | 91442    | 0.400 | ng    | # 0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.282  | 112  | 77       | 0.001 | ng    | 0.04     |
| 5) Phenol-d6                  | 6.849  | 99   | 185      | 0.004 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 8.784  | 82   | 22115    | 0.395 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.007 | 152  | 48677    | 0.251 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 158      | 0.309 | ng    | 0.03     |
| 15) 2-Fluorobiphenyl          | 12.898 | 172  | 72869    | 0.257 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.038 | 212  | 94431    | 0.223 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.649 | 244  | 66581    | 0.317 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 3) n-Nitrosodimethylamine     | 3.493  | 42   | 39307    | 1.758 | ng    | # 1      |
| 9) Naphthalene                | 10.457 | 128  | 160619   | 0.562 | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.083 | 142  | 85543    | 0.467 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.449 | 198  | 105      | 0.242 | ng    | # 1      |
| 23) Atrazine                  | 16.421 | 200  | 196      | 0.138 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.738 | 266  | 592      | 0.225 | ng    | # 20     |
| 25) Phenanthrene              | 17.042 | 178  | 109726   | 0.312 | ng    | 97       |
| 26) Anthracene                | 17.139 | 178  | 4477     | 0.057 | ng    | # 79     |
| 28) Fluoranthene              | 19.068 | 202  | 88388    | 0.215 | ng    | 97       |
| 30) Pyrene                    | 19.430 | 202  | 68711    | 0.212 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.185 | 228  | 14550    | 0.111 | ng    | # 1      |
| 33) Chrysene                  | 21.238 | 228  | 38920    | 0.146 | ng    | # 41     |
| 34) Bis(2-ethylhexyl)phtha... | 21.132 | 149  | 415818   | 4.034 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.706 | 276  | 6360     | 0.029 | ng    | # 74     |
| 37) Benzo(b)fluoranthene      | 22.766 | 252  | 39765    | 0.137 | ng    | # 1      |
| 39) Benzo(a)pyrene            | 23.341 | 252  | 6300     | 0.025 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.394 | 276  | 9375     | 0.043 | ng    | # 1      |

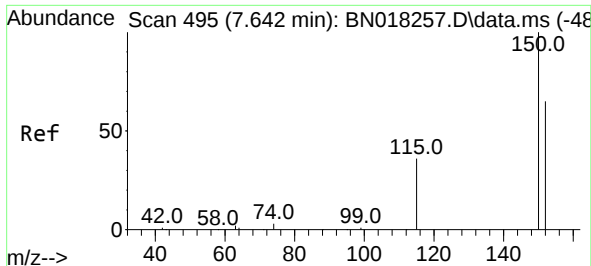
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122921\  
Data File : BN018279.D  
Acq On : 30 Dec 2021 03:14  
Operator : CG/JU  
Sample : M5107-07  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

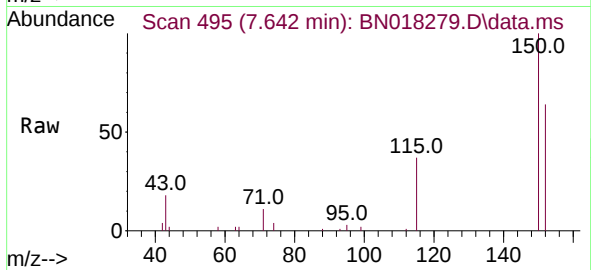
Quant Time: Dec 30 05:00:08 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 29 16:08:47 2021  
Response via : Initial Calibration



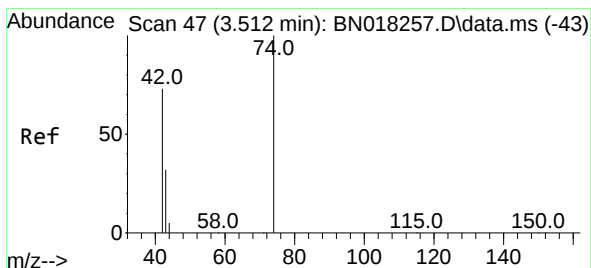
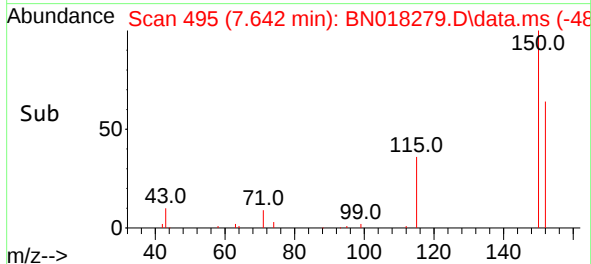
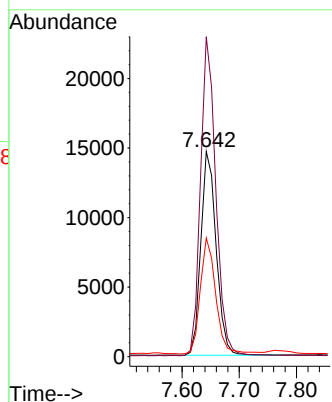


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.642 min Scan# 49  
 Delta R.T. 0.000 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

Instrument :  
 BNA\_N  
 ClientSampleId :

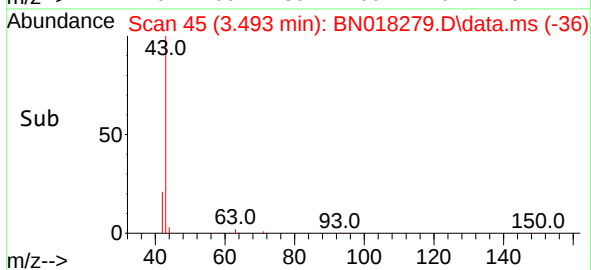
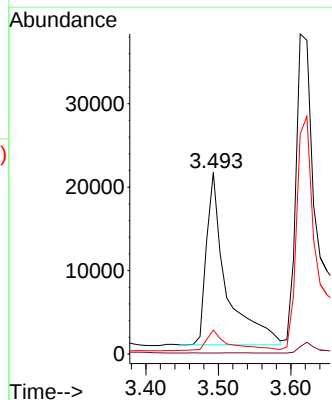
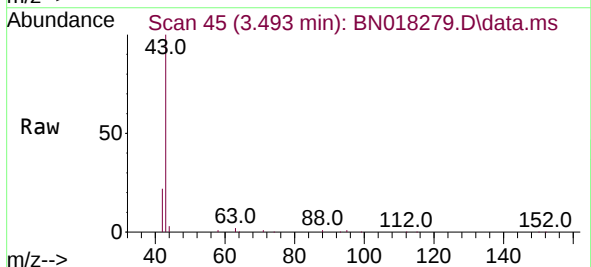


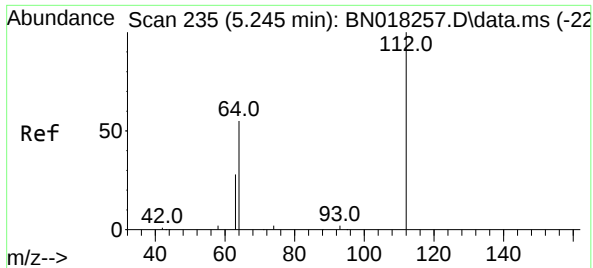
Tgt Ion:152 Resp: 27214  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 121.7 182.5  
 115 57.9 43.8 65.8



#3  
 n-Nitrosodimethylamine  
 Concen: 1.758 ng  
 RT: 3.493 min Scan# 45  
 Delta R.T. -0.019 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

Tgt Ion: 42 Resp: 39307  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 108.6 163.0#  
 44 13.4 5.8 8.8#

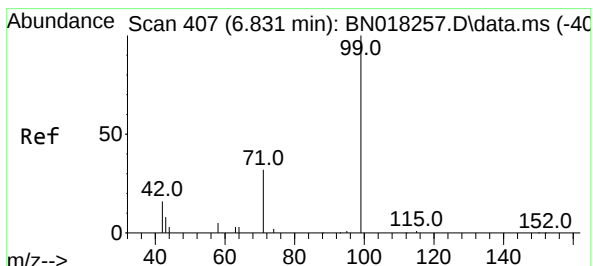
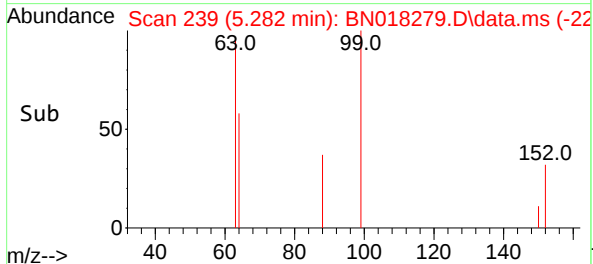
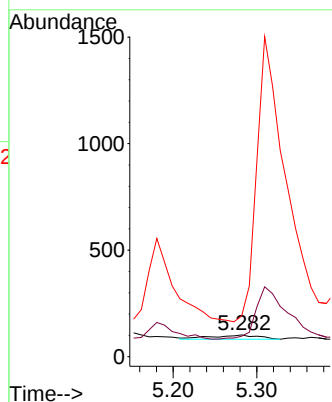
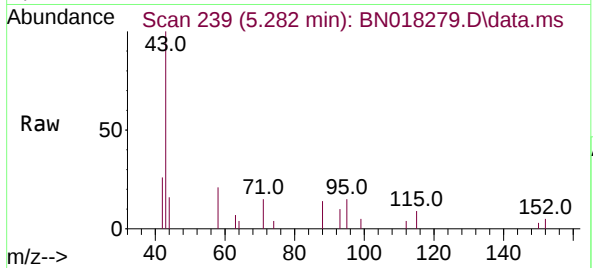




#4  
2-Fluorophenol  
Concen: 0.001 ng  
RT: 5.282 min Scan# 211  
Delta R.T. 0.037 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

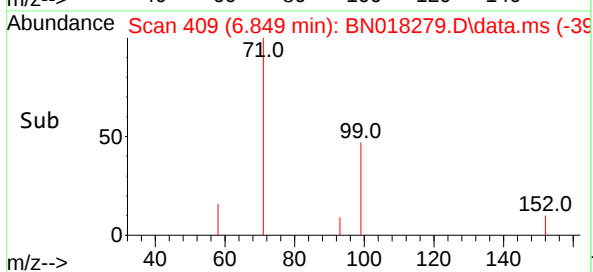
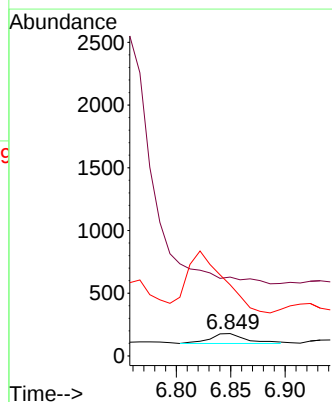
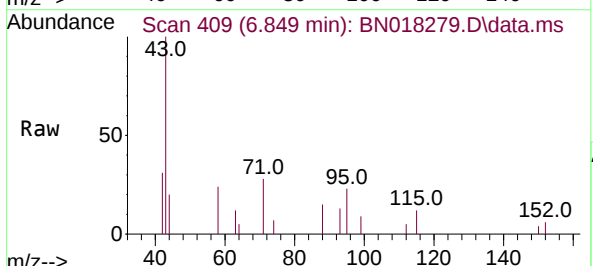
Instrument :  
BNA\_N  
ClientSampleId :

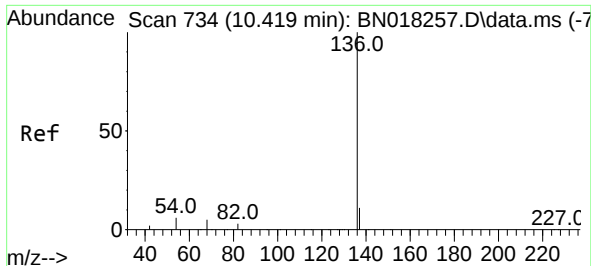
Tgt Ion:112 Resp: 77  
Ion Ratio Lower Upper  
112 100  
64 0.0 48.0 72.0#  
63 0.0 25.3 37.9#



#5  
Phenol-d6  
Concen: 0.004 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.018 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

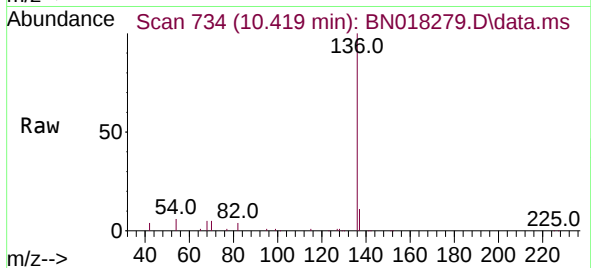
Tgt Ion: 99 Resp: 185  
Ion Ratio Lower Upper  
99 100  
42 0.0 16.3 24.5#  
71 0.0 26.8 40.2#



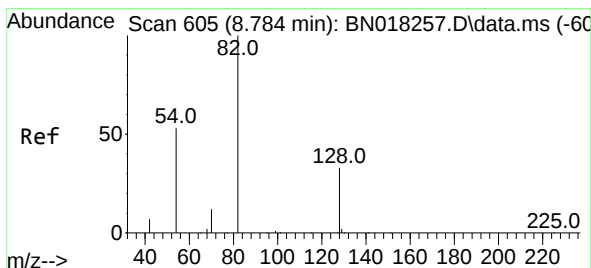
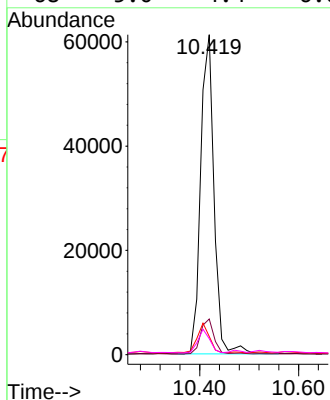
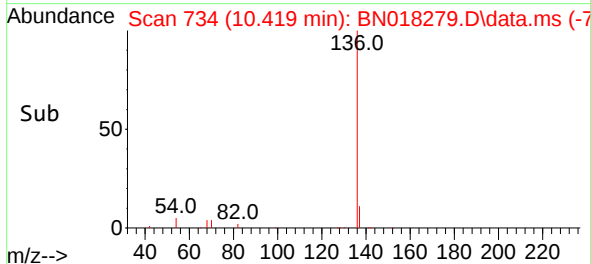


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.419 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

Instrument :  
BNA\_N  
ClientSampleId :

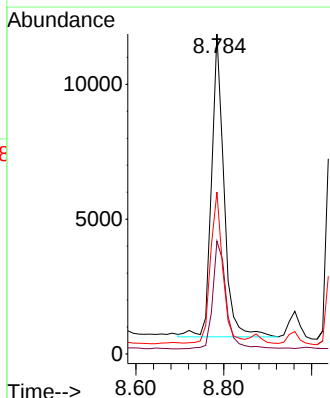
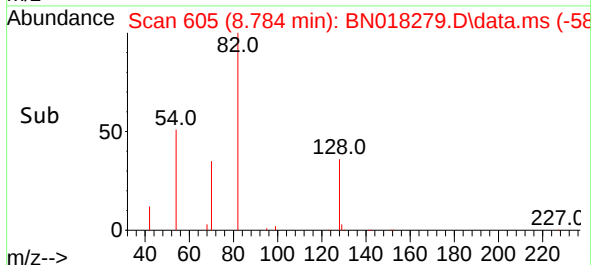
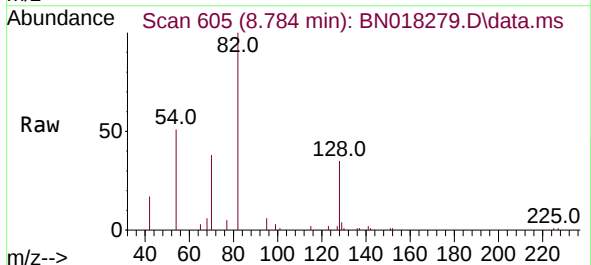


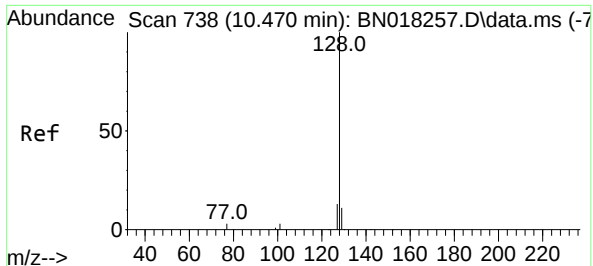
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 115504   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 8.8 13.2 |
| 54          | 5.7   | 5.0 7.6  |
| 68          | 5.0   | 4.4 6.6  |



#8  
Nitrobenzene-d5  
Concen: 0.395 ng  
RT: 8.784 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 22115     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 35.2  | 33.7 50.5 |
| 54          | 50.6  | 36.6 55.0 |

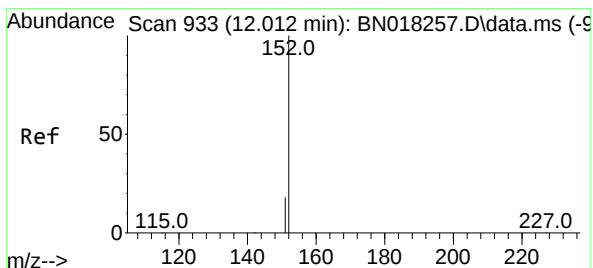
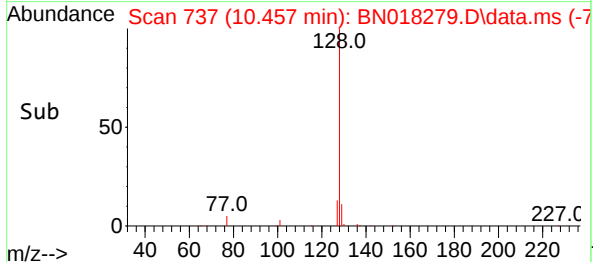
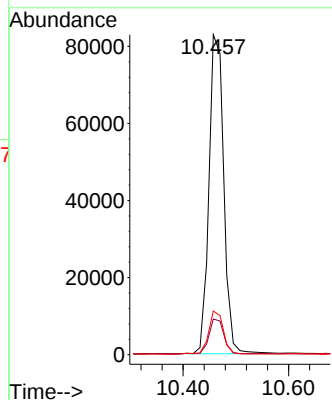
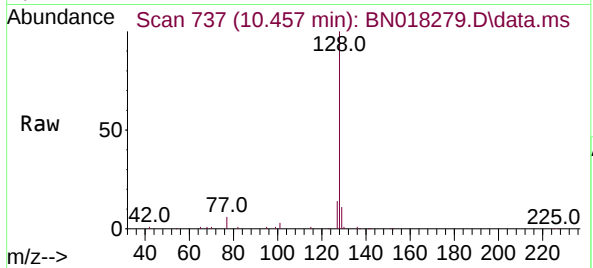




#9  
Naphthalene  
Concen: 0.562 ng  
RT: 10.457 min Scan# 71  
Delta R.T. -0.013 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

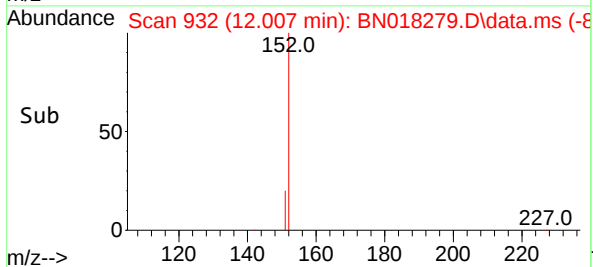
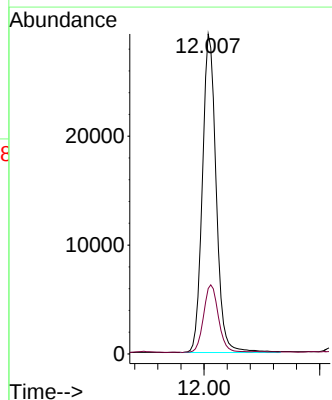
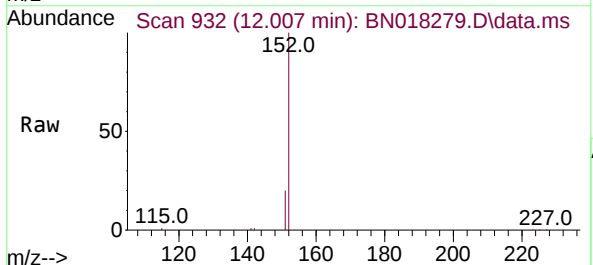
Instrument :  
BNA\_N  
ClientSampleId :

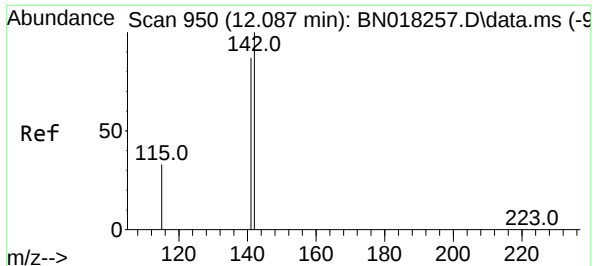
Tgt Ion:128 Resp: 160619  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.6 10.4 15.6



#11  
2-Methylnaphthalene-d10  
Concen: 0.251 ng  
RT: 12.007 min Scan# 932  
Delta R.T. -0.005 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

Tgt Ion:152 Resp: 48677  
Ion Ratio Lower Upper  
152 100  
151 22.9 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.467 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.005 min

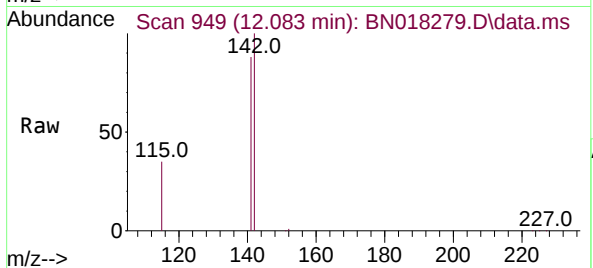
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Instrument :

BNA\_N

ClientSampleId :



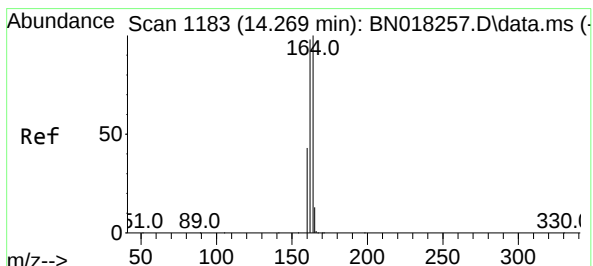
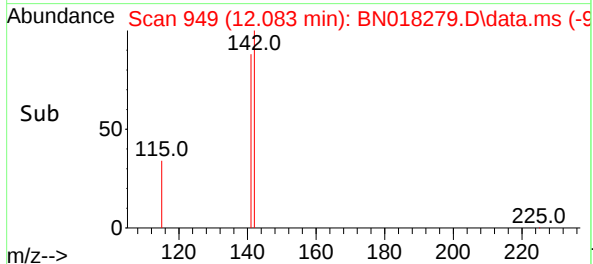
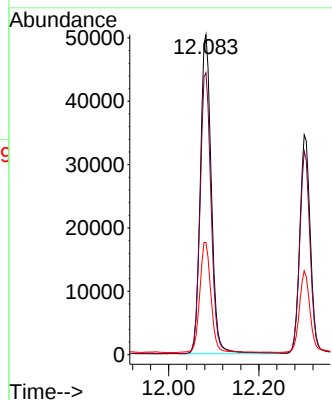
Tgt Ion:142 Resp: 85543

Ion Ratio Lower Upper

142 100

141 88.1 70.0 105.0

115 35.1 27.8 41.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.269 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BN018279.D

Acq: 30 Dec 2021 03:14

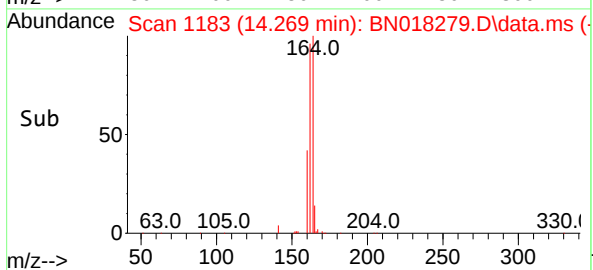
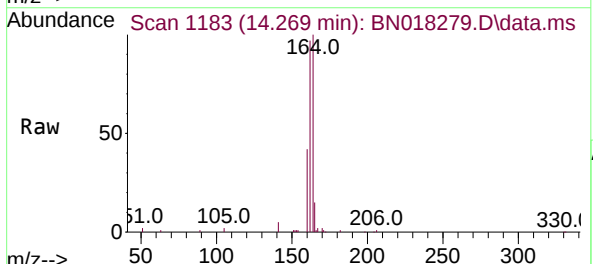
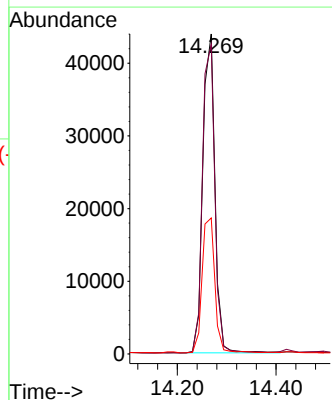
Tgt Ion:164 Resp: 74822

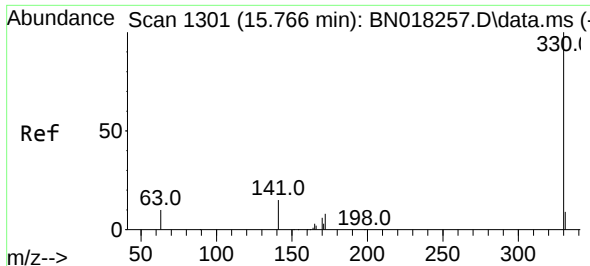
Ion Ratio Lower Upper

164 100

162 96.7 80.2 120.2

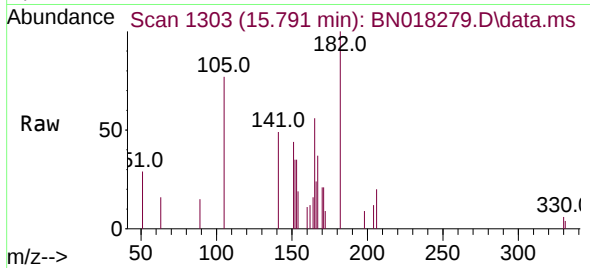
160 42.5 36.9 55.3



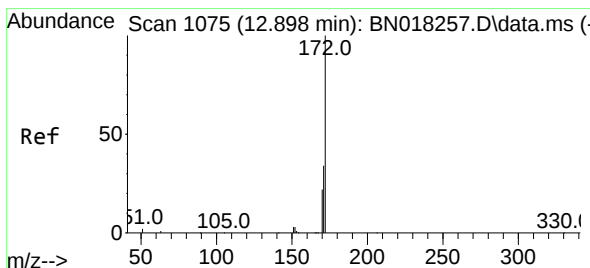
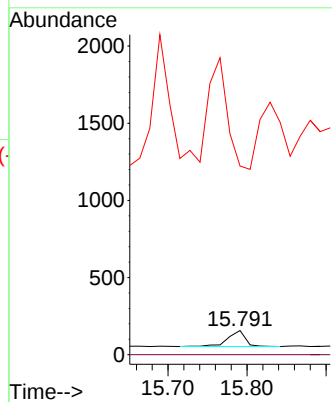
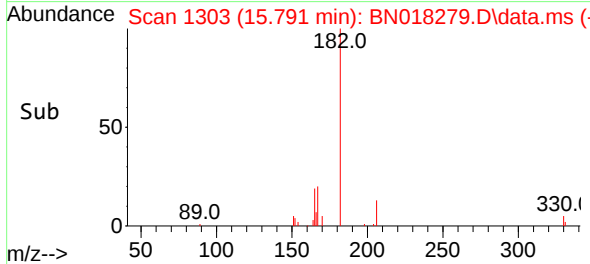


#14  
2,4,6-Tribromophenol  
Concen: 0.309 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.025 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

Instrument :  
BNA\_N  
ClientSampleId :

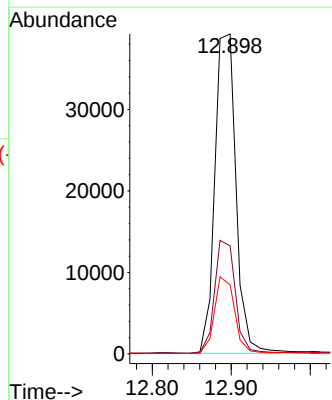
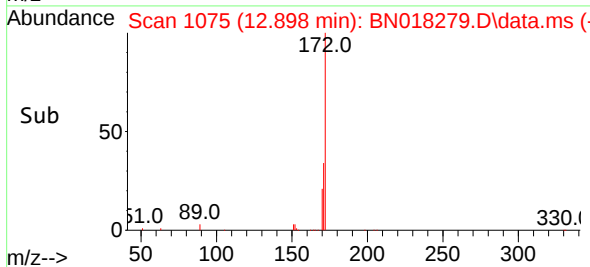
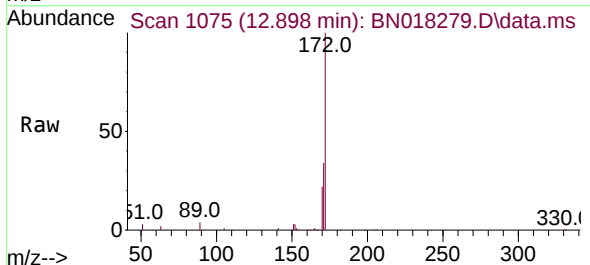


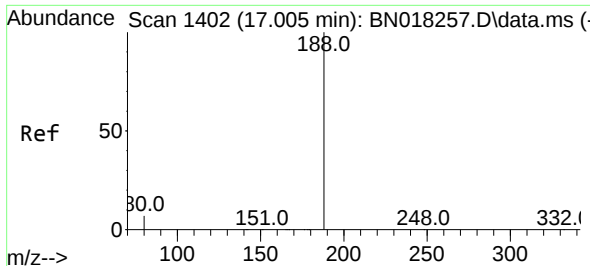
Tgt Ion:330 Resp: 158  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 0.0 21.3 31.9#



#15  
2-Fluorobiphenyl  
Concen: 0.257 ng  
RT: 12.898 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

Tgt Ion:172 Resp: 72869  
Ion Ratio Lower Upper  
172 100  
171 33.8 27.4 41.0  
170 21.6 18.4 27.6

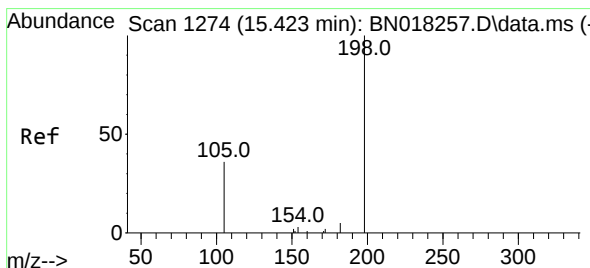
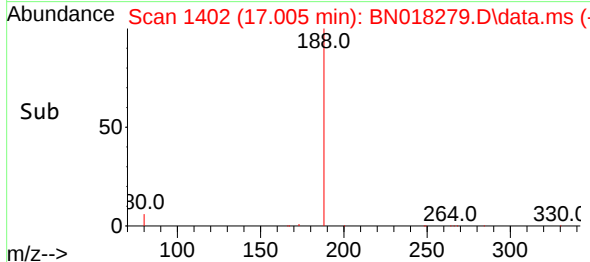
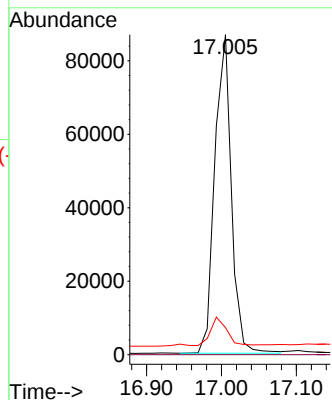
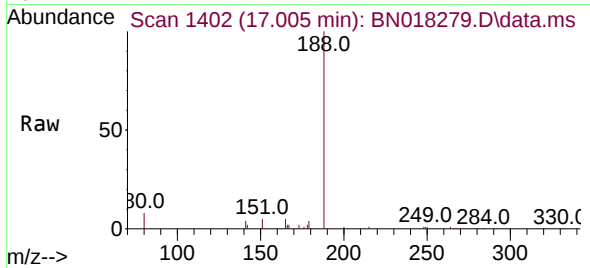




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.005 min Scan# 1402  
Delta R.T. 0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

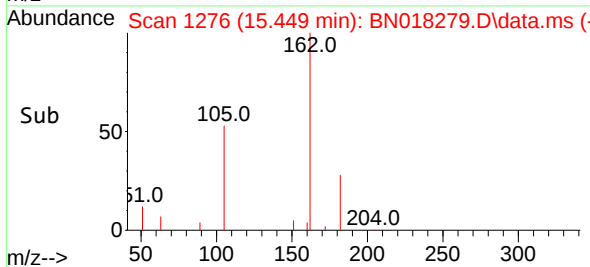
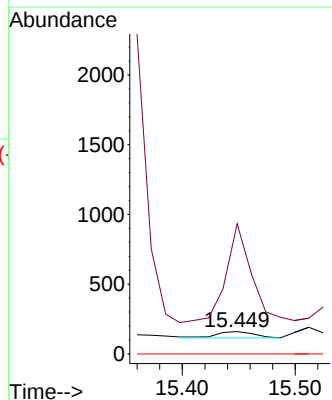
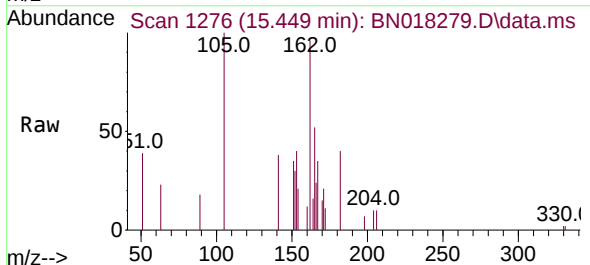
Instrument :  
BNA\_N  
ClientSampleId :

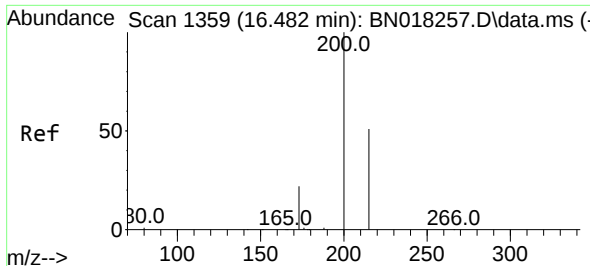
Tgt Ion:188 Resp: 133199  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.5 7.0 10.4



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.242 ng  
RT: 15.449 min Scan# 1276  
Delta R.T. 0.026 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

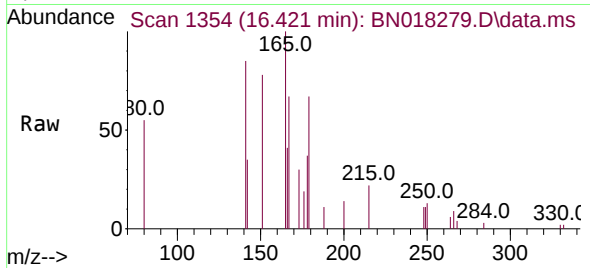
Tgt Ion:198 Resp: 105  
Ion Ratio Lower Upper  
198 100  
182 583.8 15.5 23.3#  
77 0.0 0.0 0.0



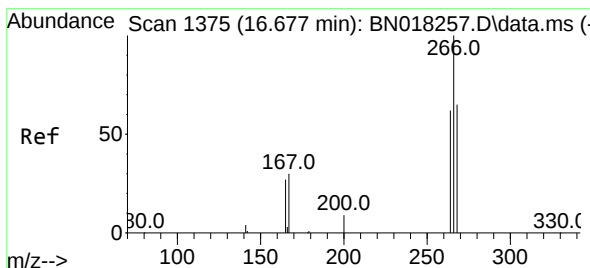
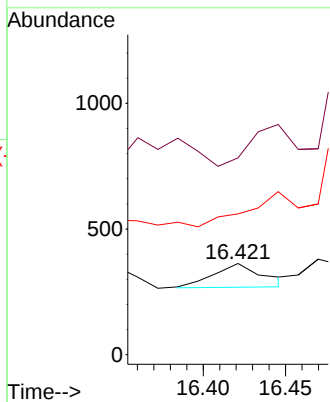
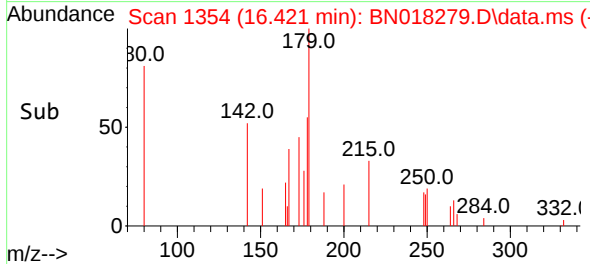


#23  
 Atrazine  
 Concen: 0.138 ng  
 RT: 16.421 min Scan# 11  
 Delta R.T. -0.061 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

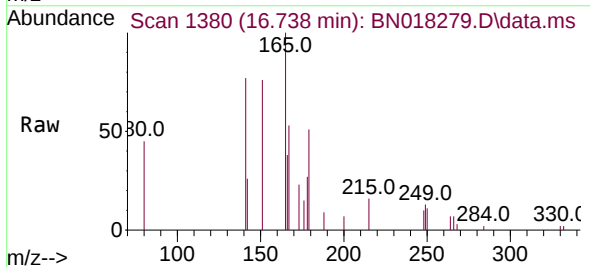
Instrument :  
 BNA\_N  
 ClientSampleId :



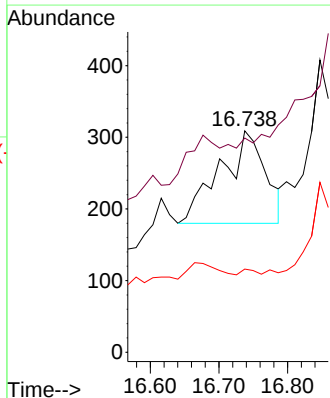
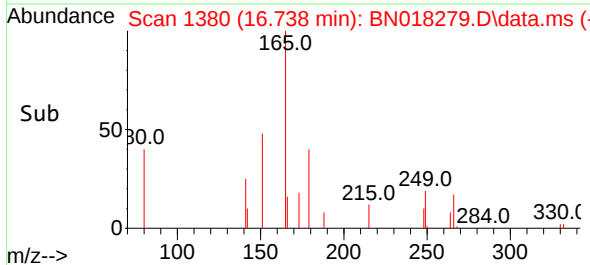
Tgt Ion:200 Resp: 196  
 Ion Ratio Lower Upper  
 200 100  
 173 215.7 20.3 30.5#  
 215 154.3 40.4 60.6#

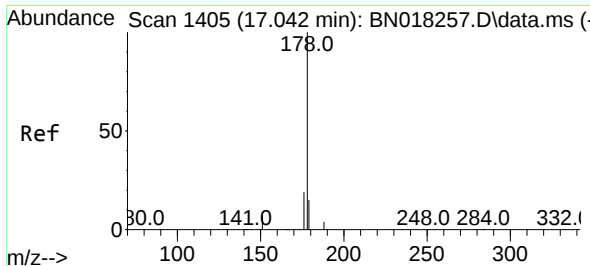


#24  
 Pentachlorophenol  
 Concen: 0.225 ng  
 RT: 16.738 min Scan# 1380  
 Delta R.T. 0.061 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14



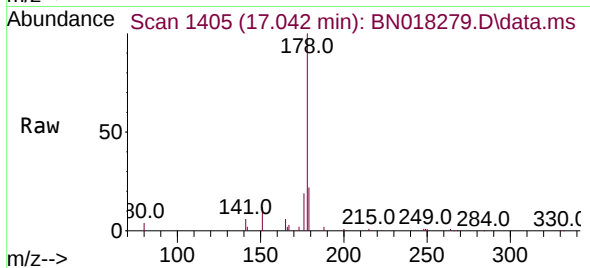
Tgt Ion:266 Resp: 592  
 Ion Ratio Lower Upper  
 266 100  
 264 0.0 49.5 74.3#  
 268 1.9 50.6 76.0#



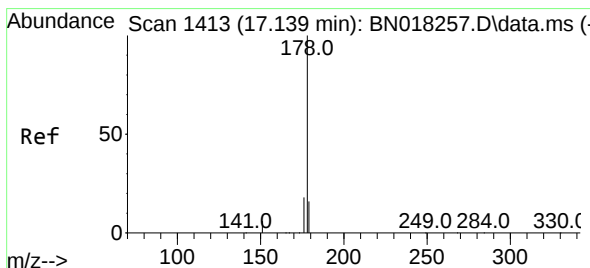
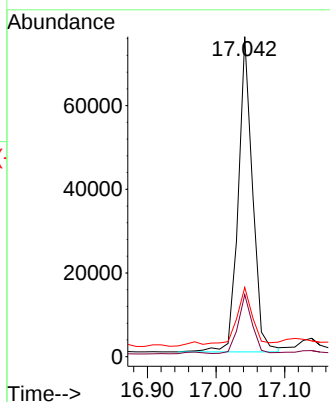
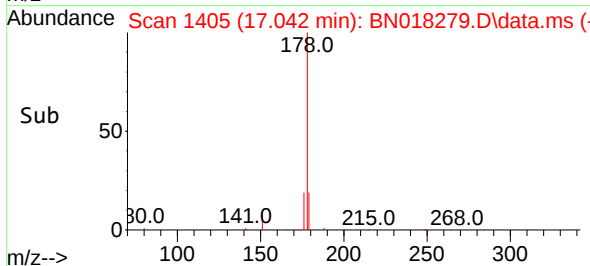


#25  
Phenanthrene  
Concen: 0.312 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

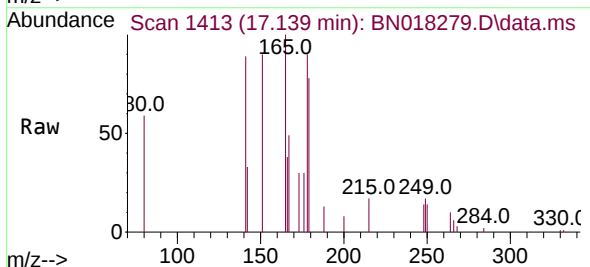
Instrument :  
BNA\_N  
ClientSampleId :



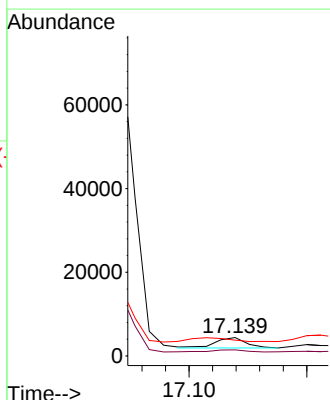
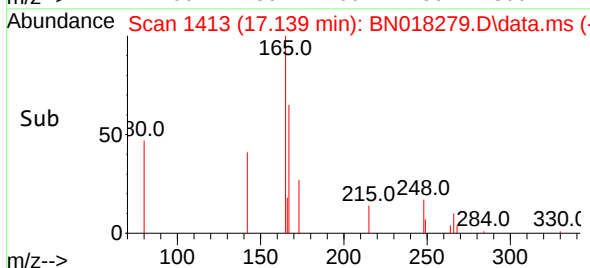
Tgt Ion:178 Resp: 109726  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.3 22.9  
179 17.4 12.3 18.5

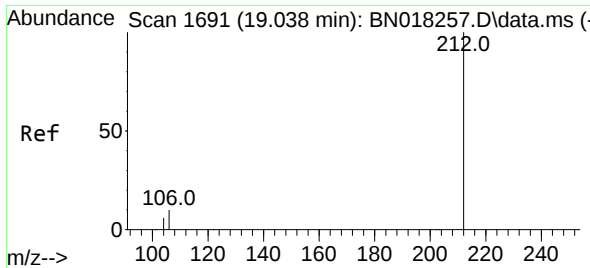


#26  
Anthracene  
Concen: 0.057 ng  
RT: 17.139 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14



Tgt Ion:178 Resp: 4477  
Ion Ratio Lower Upper  
178 100  
176 22.2 14.8 22.2#  
179 0.0 12.2 18.4#





#27

Fluoranthene-d10

Concen: 0.223 ng

RT: 19.038 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN018279.D

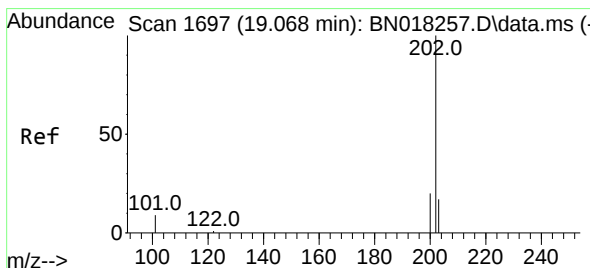
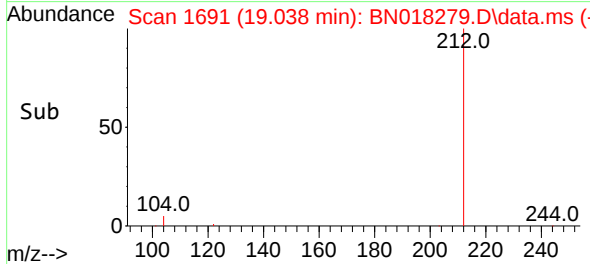
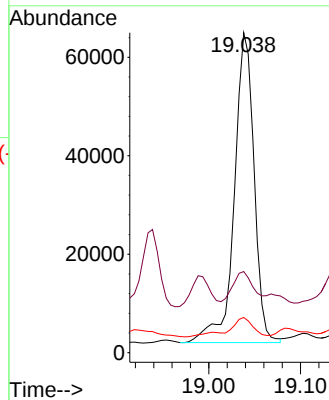
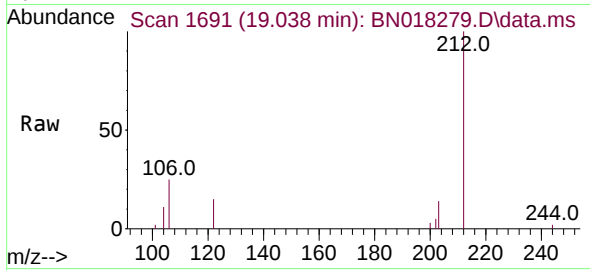
Acq: 30 Dec 2021 03:14

Instrument :

BNA\_N

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:212 | Resp: | 94431    |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 9.6   | 8.4 12.6 |
| 104         | 5.2   | 4.5 6.7  |



#28

Fluoranthene

Concen: 0.215 ng

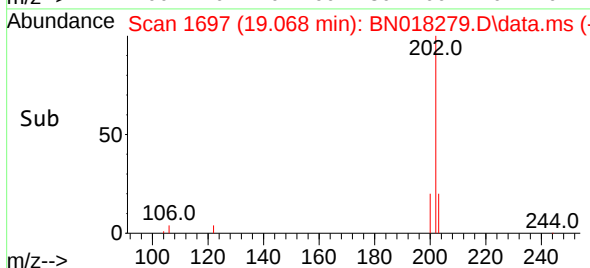
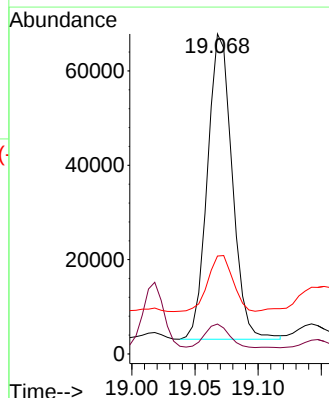
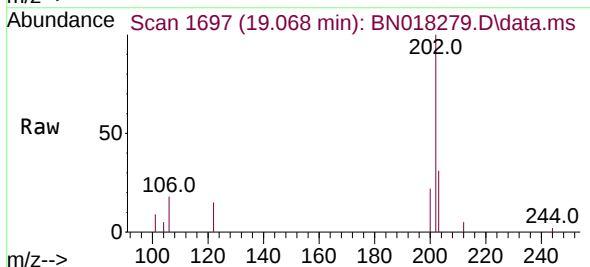
RT: 19.068 min Scan# 1697

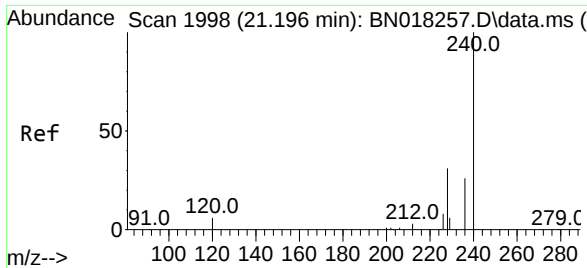
Delta R.T. -0.000 min

Lab File: BN018279.D

Acq: 30 Dec 2021 03:14

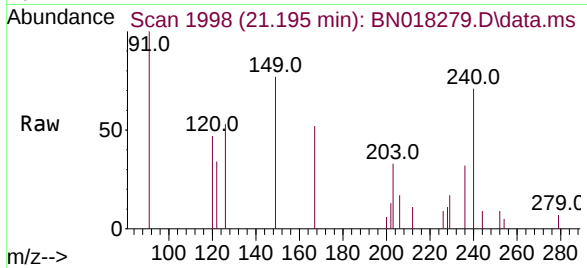
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 88388     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 101         | 7.7   | 7.2 10.8  |
| 203         | 18.3  | 13.7 20.5 |



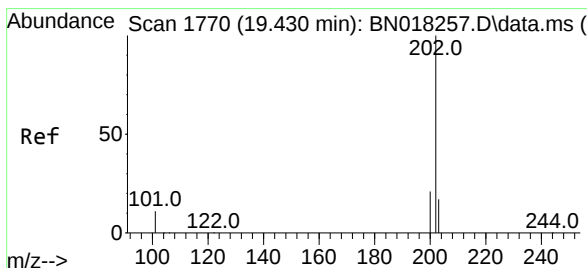
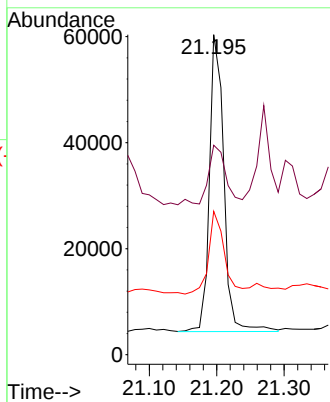
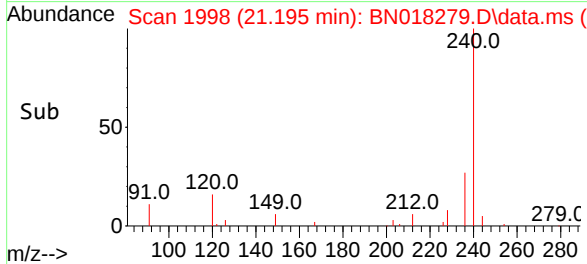


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.195 min Scan# 1998  
Delta R.T. -0.001 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

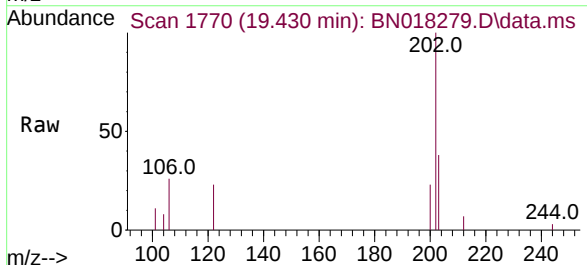
Instrument :  
BNA\_N  
ClientSampleId :



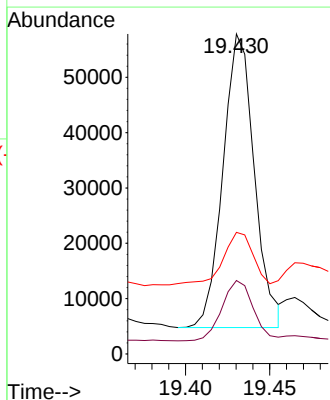
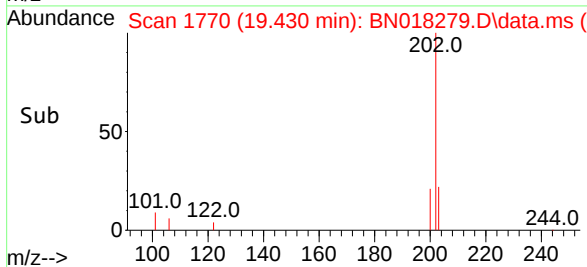
Tgt Ion:240 Resp: 82576  
Ion Ratio Lower Upper  
240 100  
120 65.4 6.0 9.0#  
236 44.8 21.4 32.2#

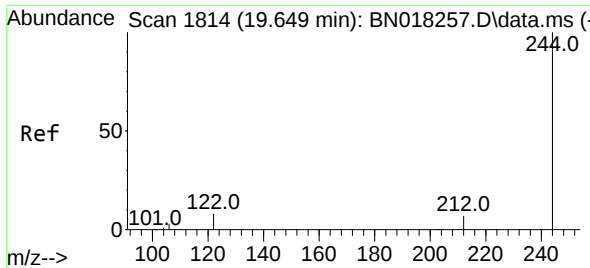


#30  
Pyrene  
Concen: 0.212 ng  
RT: 19.430 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14



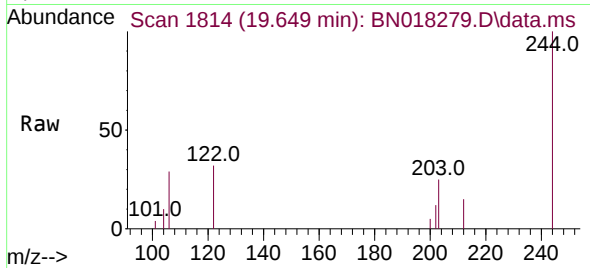
Tgt Ion:202 Resp: 68711  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.6 25.0  
203 15.7 14.1 21.1



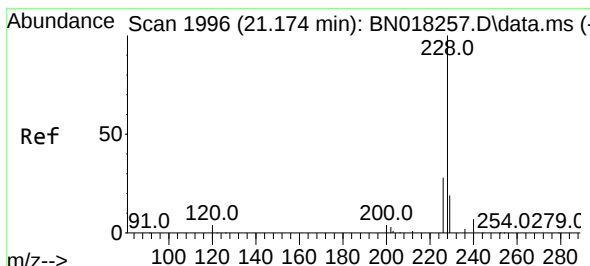
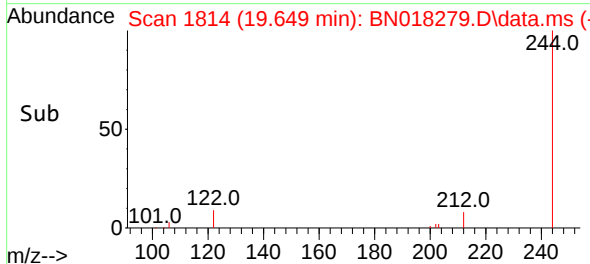
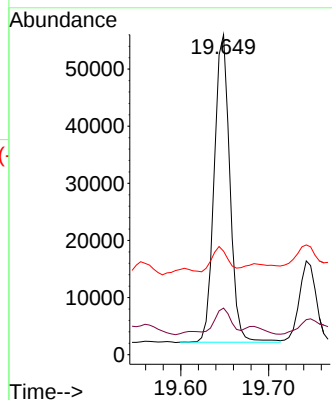


#31  
 Terphenyl-d14  
 Concen: 0.317 ng  
 RT: 19.649 min Scan# 1814  
 Delta R.T. -0.000 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

Instrument :  
 BNA\_N  
 ClientSampleId :

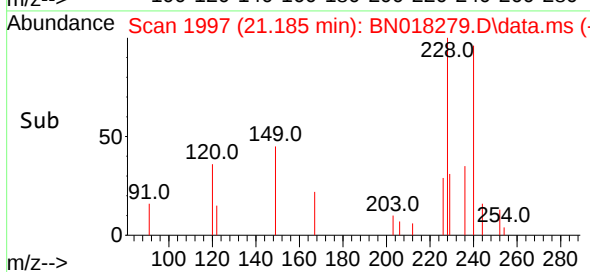
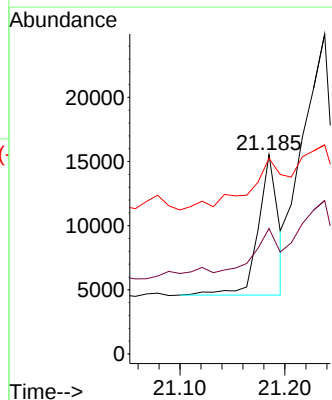
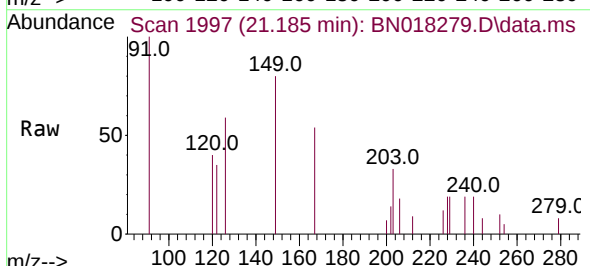


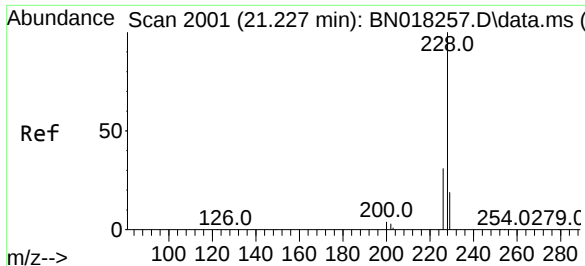
Tgt Ion:244 Resp: 66581  
 Ion Ratio Lower Upper  
 244 100  
 212 14.5 6.2 9.2#  
 122 32.4 7.9 11.9#



#32  
 Benzo(a)anthracene  
 Concen: 0.111 ng  
 RT: 21.185 min Scan# 1997  
 Delta R.T. 0.011 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

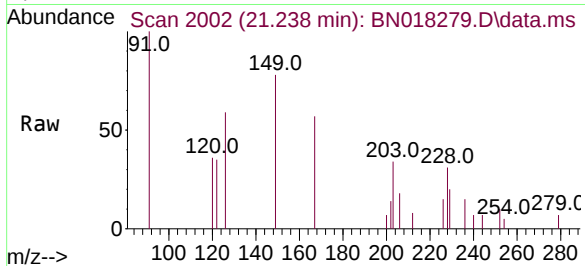
Tgt Ion:228 Resp: 14550  
 Ion Ratio Lower Upper  
 228 100  
 226 62.9 21.3 31.9#  
 229 98.0 15.9 23.9#



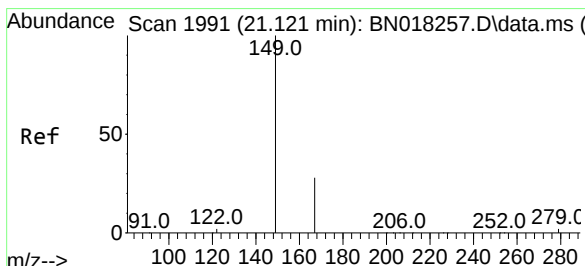
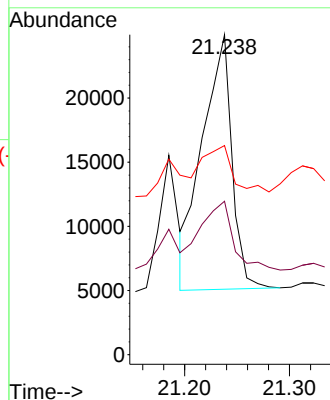
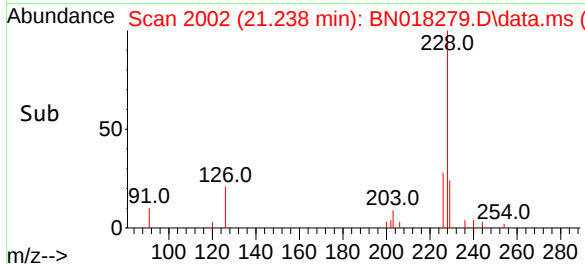


#33  
Chrysene  
Concen: 0.146 ng  
RT: 21.238 min Scan# 2001  
Delta R.T. 0.011 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

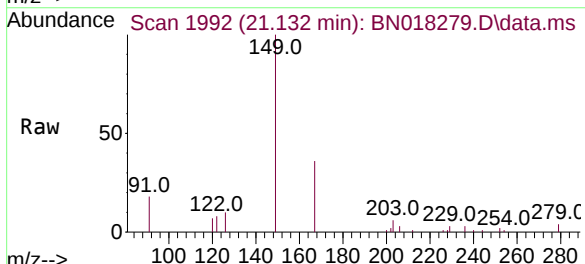
Instrument :  
BNA\_N  
ClientSampleId :



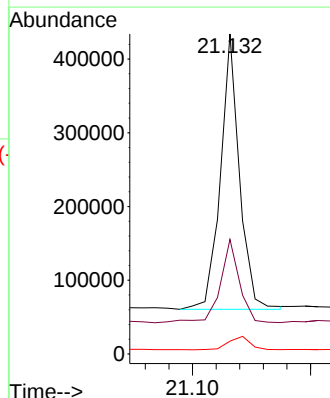
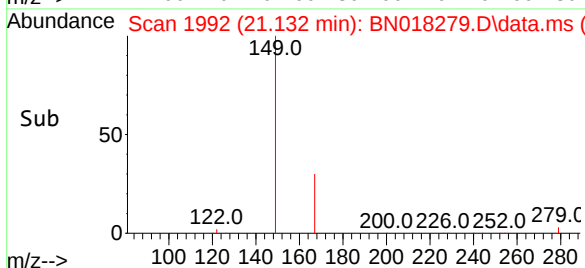
Tgt Ion:228 Resp: 38920  
Ion Ratio Lower Upper  
228 100  
226 48.0 24.2 36.4#  
229 65.4 15.5 23.3#

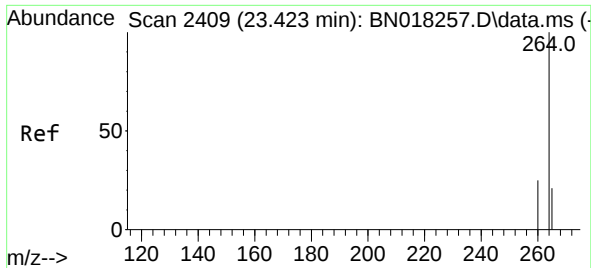


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 4.034 ng  
RT: 21.132 min Scan# 1992  
Delta R.T. 0.011 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14



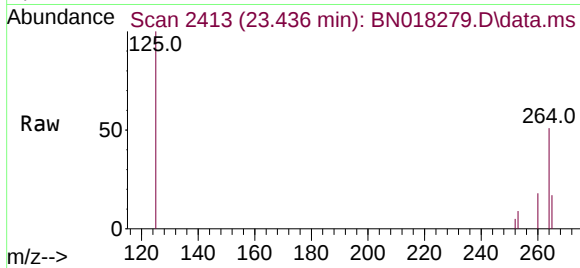
Tgt Ion:149 Resp: 415818  
Ion Ratio Lower Upper  
149 100  
167 30.7 23.7 35.5  
279 5.5 3.6 5.4#



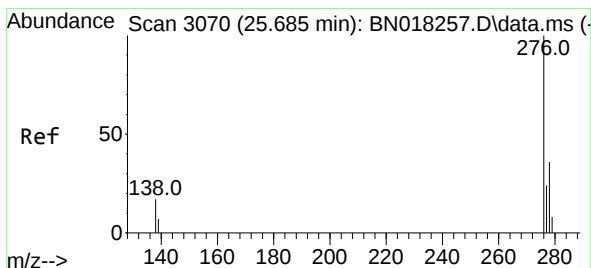
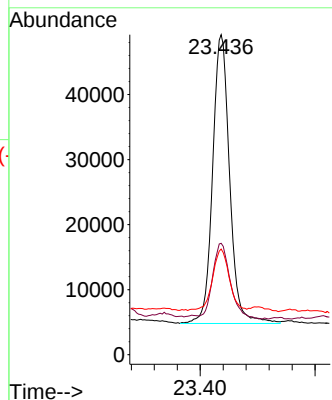
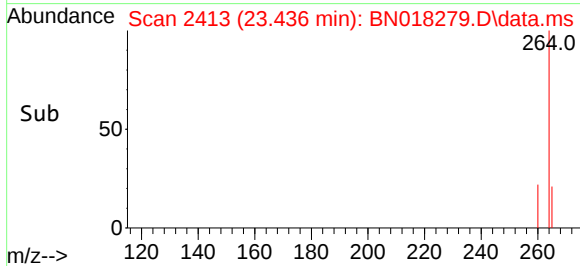


#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.436 min Scan# 2409  
 Delta R.T. 0.014 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

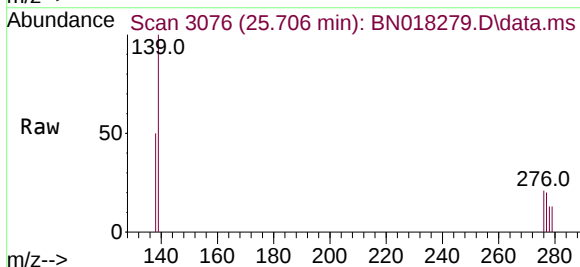
Instrument :  
 BNA\_N  
 ClientSampleId :



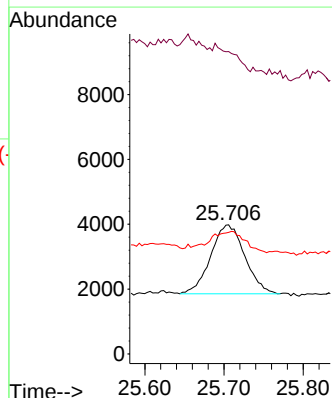
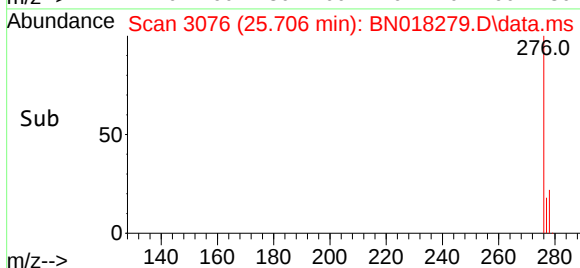
Tgt Ion:264 Resp: 91442  
 Ion Ratio Lower Upper  
 264 100  
 260 34.8 20.2 30.4#  
 265 33.0 18.2 27.2#

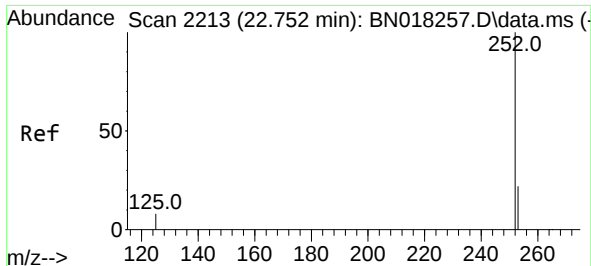


#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.029 ng  
 RT: 25.706 min Scan# 3076  
 Delta R.T. 0.020 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14



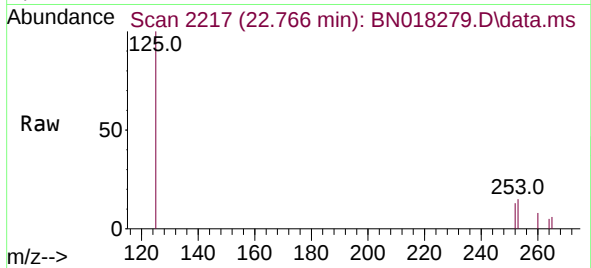
Tgt Ion:276 Resp: 6360  
 Ion Ratio Lower Upper  
 276 100  
 138 0.0 14.9 22.3#  
 277 31.7 19.9 29.9#



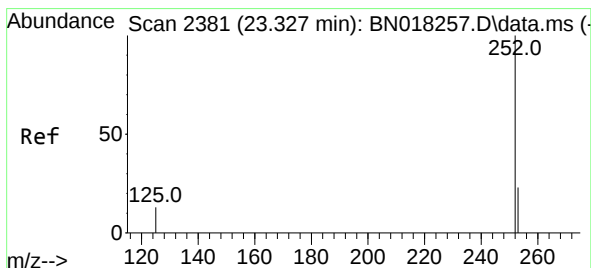
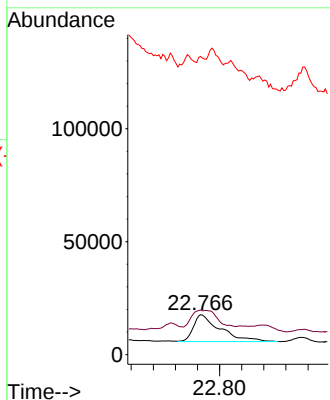
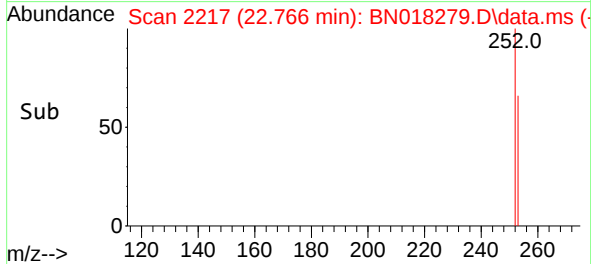


#37  
Benzo(b)fluoranthene  
Concen: 0.137 ng  
RT: 22.766 min Scan# 211  
Delta R.T. 0.014 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14

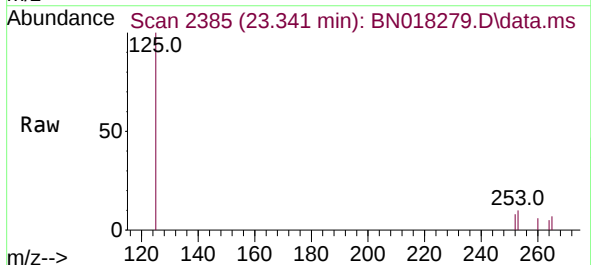
Instrument :  
BNA\_N  
ClientSampleId :



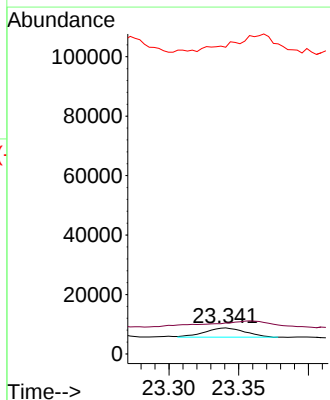
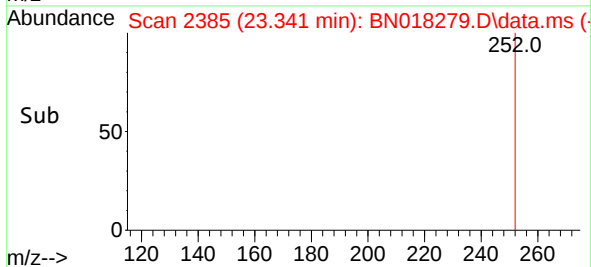
Tgt Ion:252 Resp: 39765  
Ion Ratio Lower Upper  
252 100  
253 111.5 17.8 26.6#  
125 745.8 6.0 9.0#

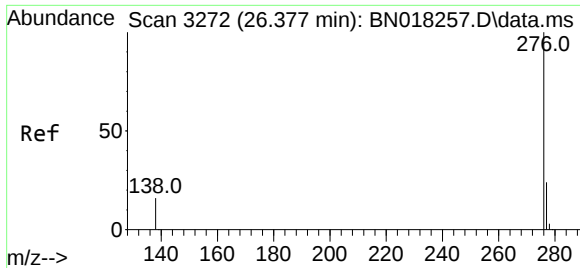


#39  
Benzo(a)pyrene  
Concen: 0.025 ng  
RT: 23.341 min Scan# 2385  
Delta R.T. 0.014 min  
Lab File: BN018279.D  
Acq: 30 Dec 2021 03:14



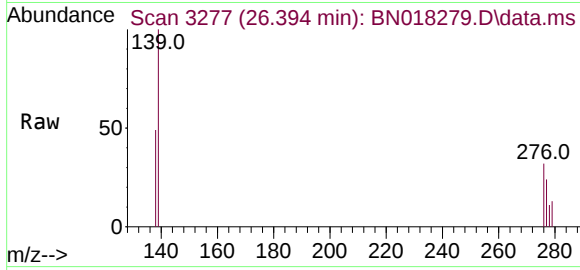
Tgt Ion:252 Resp: 6300  
Ion Ratio Lower Upper  
252 100  
253 119.3 17.8 26.6#  
125 1178.4 7.0 10.4#





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.043 ng  
 RT: 26.394 min Scan# 31  
 Delta R.T. 0.017 min  
 Lab File: BN018279.D  
 Acq: 30 Dec 2021 03:14

Instrument :  
 BNA\_N  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 9375  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 75.1  | 19.0  | 28.6# |
| 138       | 153.5 | 12.6  | 19.0# |

