

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122921\  
 Data File : BN018283.D  
 Acq On : 30 Dec 2021 05:38  
 Operator : CG/JU  
 Sample : M5221-02  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PW-B6-L10-122221-FD

Quant Time: Dec 30 06:35:45 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

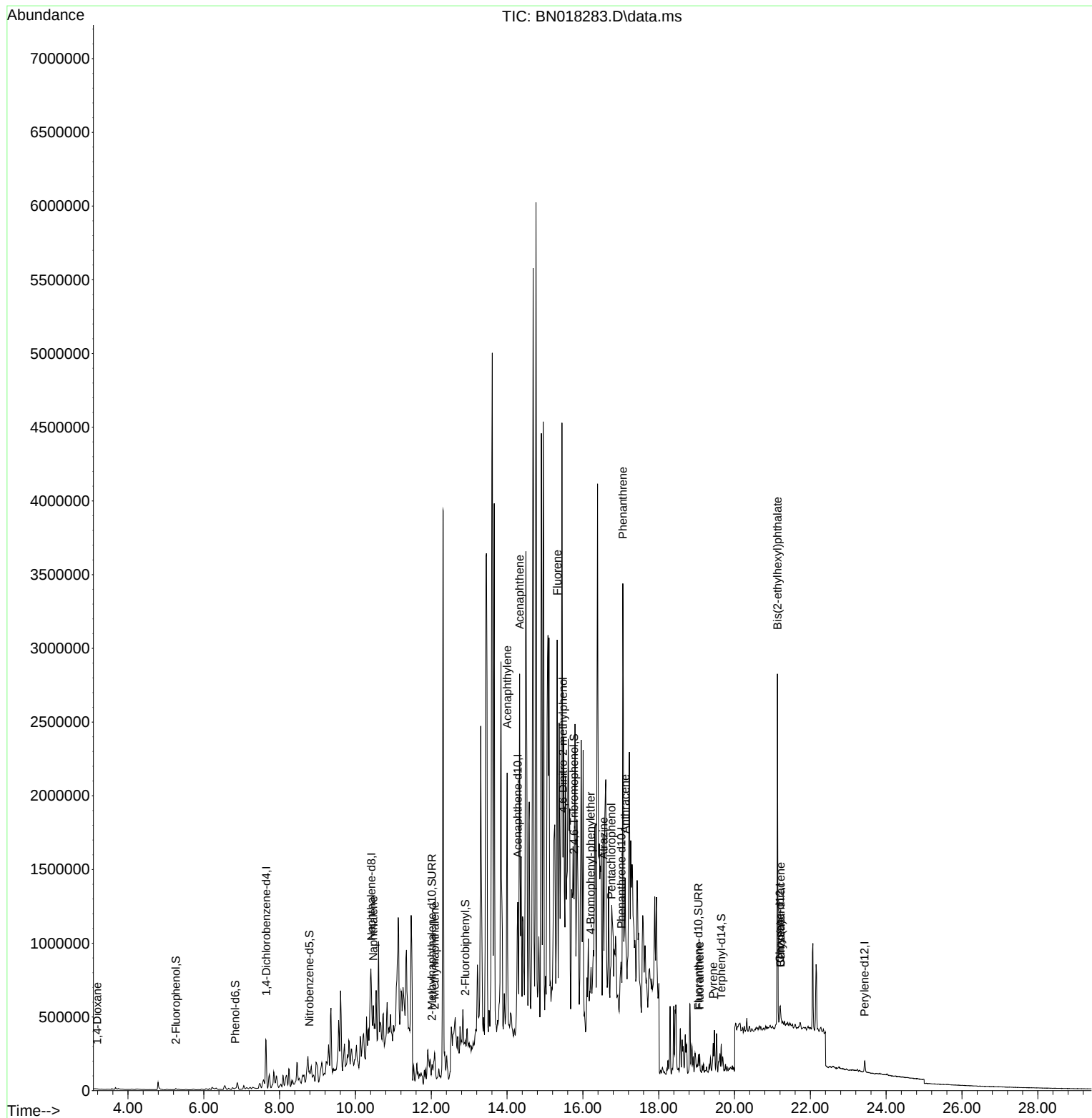
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.642  | 152  | 27609    | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.419 | 136  | 103510   | 0.400  | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.281 | 164  | 76839    | 0.400  | ng    | # 0.01   |
| 19) Phenanthrene-d10          | 17.017 | 188  | 117868   | 0.400  | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.195 | 240  | 113652   | 0.400  | ng    | # 0.00   |
| 35) Perylene-d12              | 23.433 | 264  | 106414   | 0.400  | ng    | # 0.01   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.263  | 112  | 10389    | 0.188  | ng    | 0.02     |
| 5) Phenol-d6                  | 6.831  | 99   | 6871     | 0.128  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.784  | 82   | 71659    | 1.070  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.016 | 152  | 71593    | 0.411  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.766 | 330  | 9874     | 0.545  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.898 | 172  | 96647    | 0.332  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.048 | 212  | 150062   | 0.400  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.649 | 244  | 124190   | 0.430  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.189  | 88   | 812      | 0.052  | ng    | # 21     |
| 9) Naphthalene                | 10.470 | 128  | 253910   | 0.992  | ng    | # 78     |
| 12) 2-Methylnaphthalene       | 12.092 | 142  | 129623   | 0.790  | ng    | # 51     |
| 16) Acenaphthylene            | 14.002 | 152  | 256360   | 0.949  | ng    | # 1      |
| 17) Acenaphthene              | 14.332 | 154  | 451200   | 2.274  | ng    | # 74     |
| 18) Fluorene                  | 15.322 | 166  | 950328   | 4.066  | ng    | # 92     |
| 20) 4,6-Dinitro-2-methylph... | 15.474 | 198  | 14205    | 3.442  | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.202 | 248  | 1935     | 0.027  | ng    | # 1      |
| 23) Atrazine                  | 16.543 | 200  | 18573    | 0.447  | ng    | # 1      |
| 24) Pentachlorophenol         | 16.750 | 266  | 7761     | 0.796  | ng    | # 26     |
| 25) Phenanthrene              | 17.054 | 178  | 3228093  | 10.389 | ng    | # 94     |
| 26) Anthracene                | 17.115 | 178  | 249045   | 0.909  | ng    | # 1      |
| 28) Fluoranthene              | 19.078 | 202  | 118302   | 0.325  | ng    | # 79     |
| 30) Pyrene                    | 19.440 | 202  | 201615   | 0.452  | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.217 | 228  | 100452   | 0.330  | ng    | # 27     |
| 33) Chrysene                  | 21.217 | 228  | 85239    | 0.233  | ng    | # 35     |
| 34) Bis(2-ethylhexyl)phtha... | 21.132 | 149  | 2029381  | 14.305 | ng    | # 99     |
| -----                         |        |      |          |        |       |          |

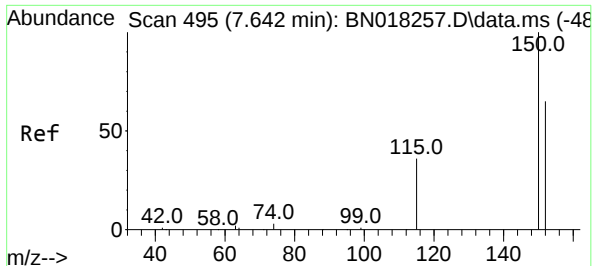
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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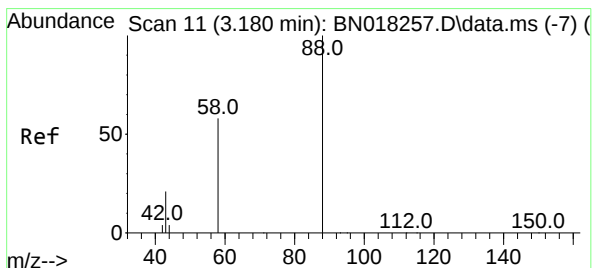
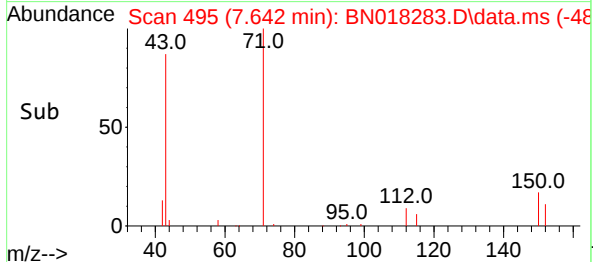
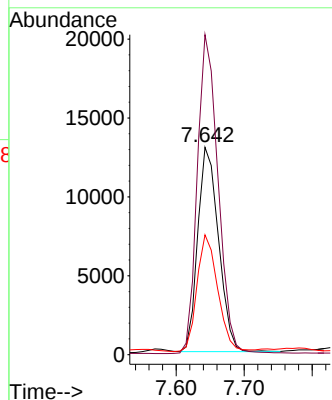
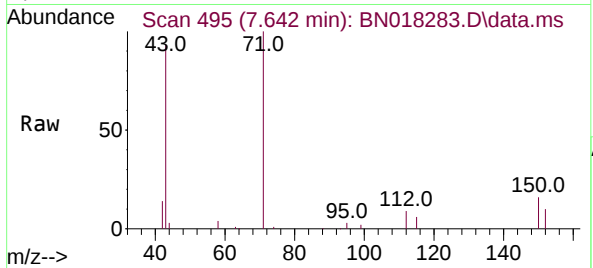




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.642 min Scan# 495  
 Delta R.T. 0.000 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

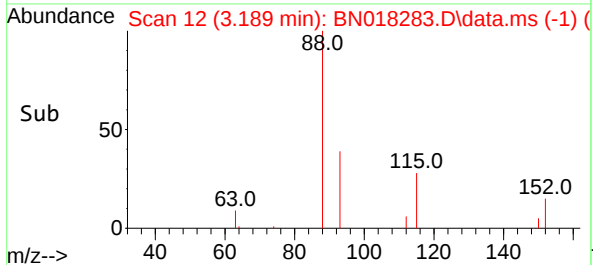
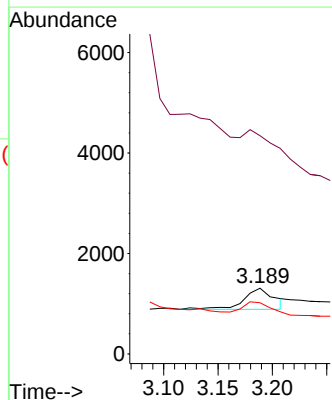
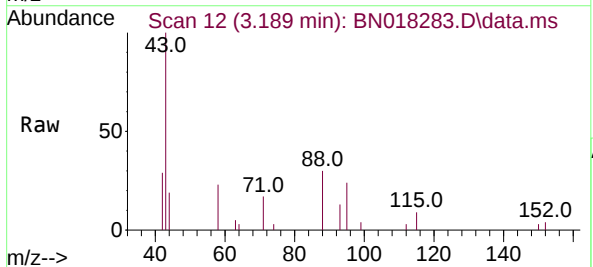
Instrument :  
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 PW-B6-L10-122221-FD

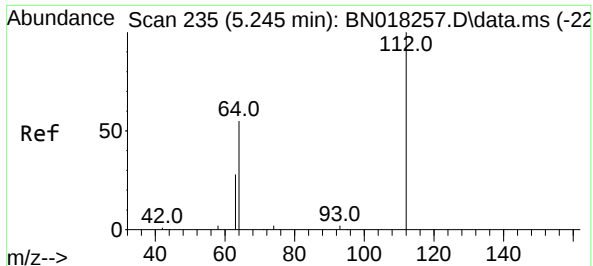
Tgt Ion:152 Resp: 27609  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 121.7 182.5  
 115 57.8 43.8 65.8



#2  
 1,4-Dioxane  
 Concen: 0.052 ng  
 RT: 3.189 min Scan# 12  
 Delta R.T. 0.009 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

Tgt Ion: 88 Resp: 812  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 69.7 104.5#  
 58 36.7 83.8 125.8#

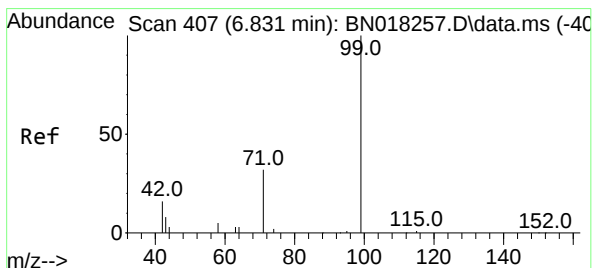
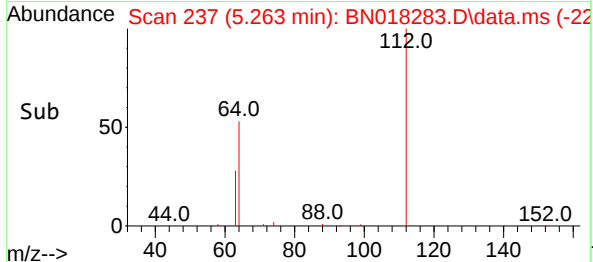
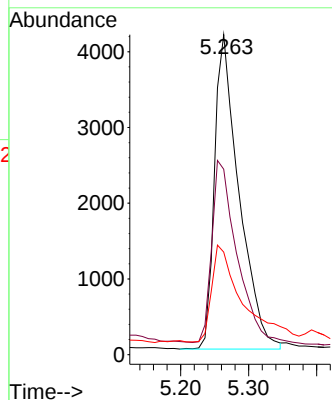
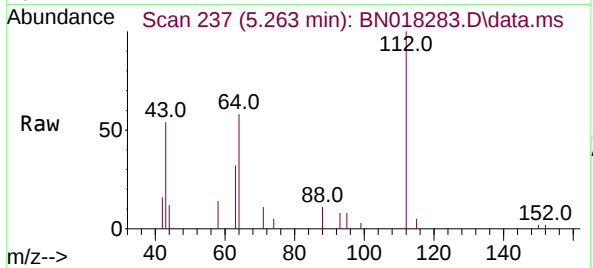




#4  
2-Fluorophenol  
Concen: 0.188 ng  
RT: 5.263 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

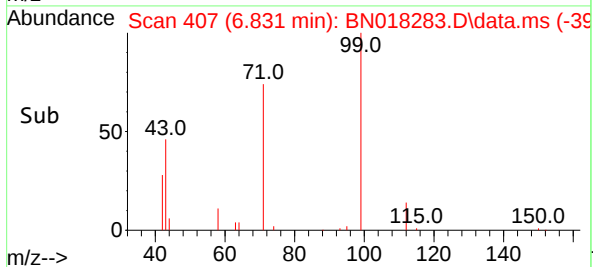
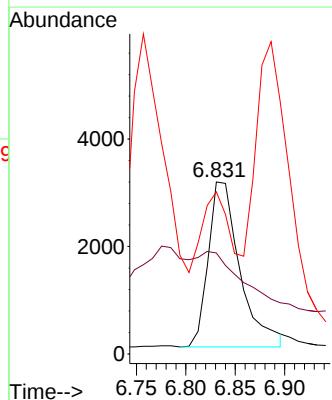
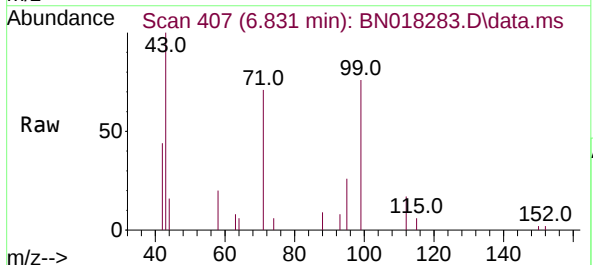
Instrument :  
BNA\_N  
ClientSampleId :  
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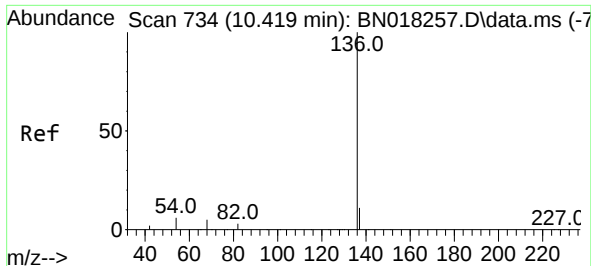
Tgt Ion:112 Resp: 10389  
Ion Ratio Lower Upper  
112 100  
64 58.8 48.0 72.0  
63 38.4 25.3 37.9#



#5  
Phenol-d6  
Concen: 0.128 ng  
RT: 6.831 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion: 99 Resp: 6871  
Ion Ratio Lower Upper  
99 100  
42 0.0 16.3 24.5#  
71 40.6 26.8 40.2#

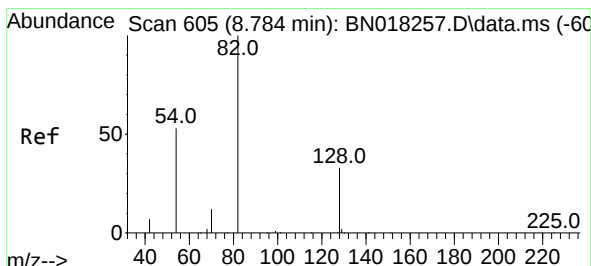
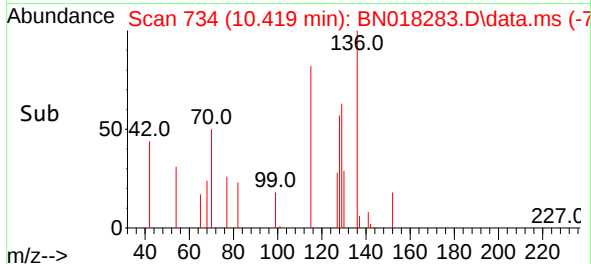
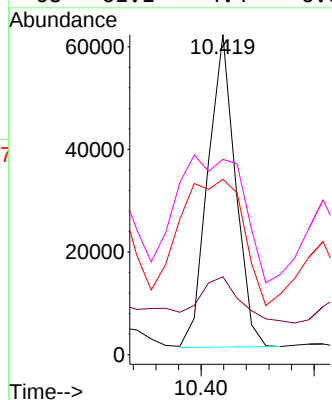
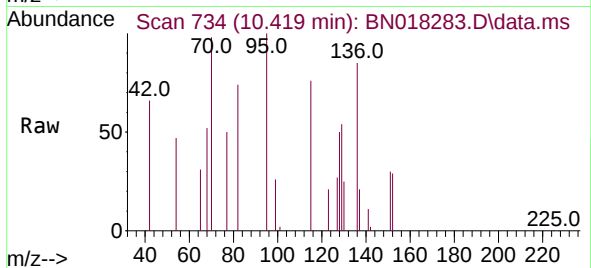




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.419 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

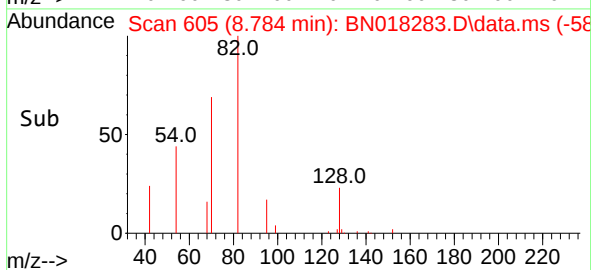
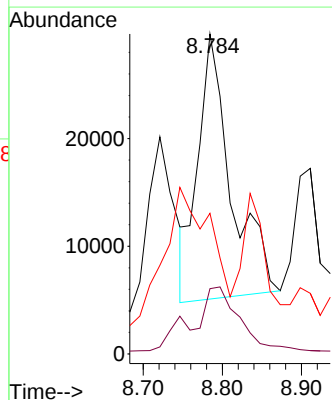
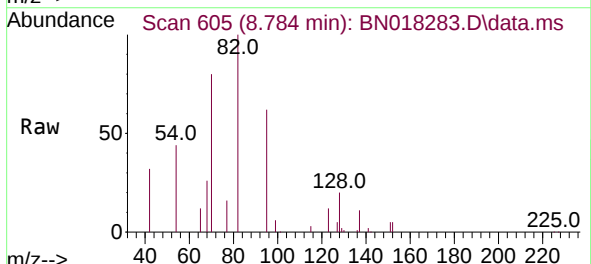
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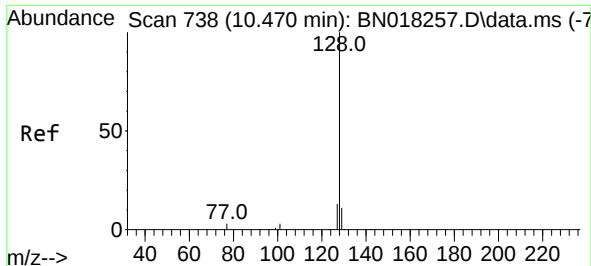
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 103510 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 24.3  | 8.8   | 13.2#  |
| 54       | 54.8  | 5.0   | 7.6#   |
| 68       | 61.1  | 4.4   | 6.6#   |



#8  
Nitrobenzene-d5  
Concen: 1.070 ng  
RT: 8.784 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 71659 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 20.4  | 33.7  | 50.5# |
| 54       | 44.0  | 36.6  | 55.0  |

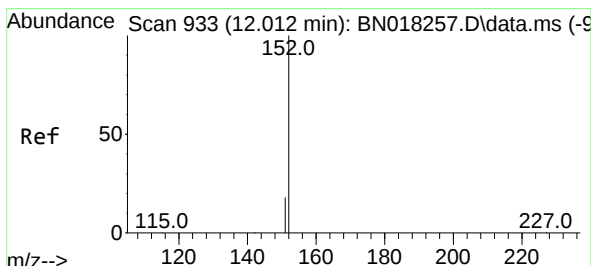
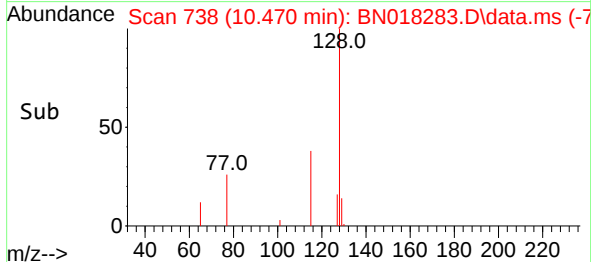
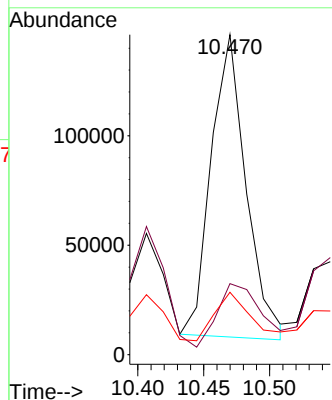
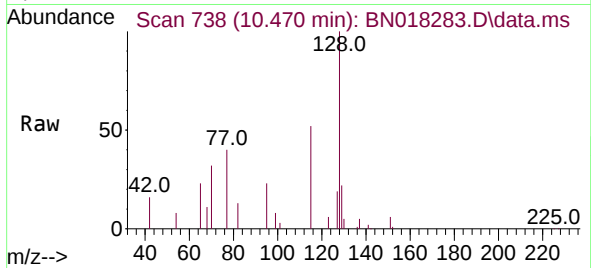




#9  
Naphthalene  
Concen: 0.992 ng  
RT: 10.470 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

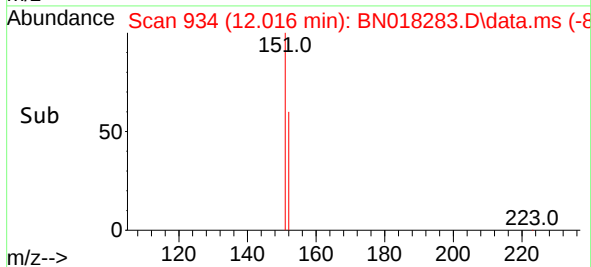
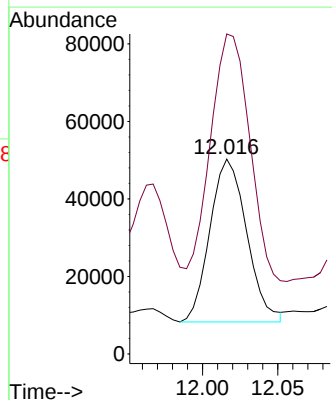
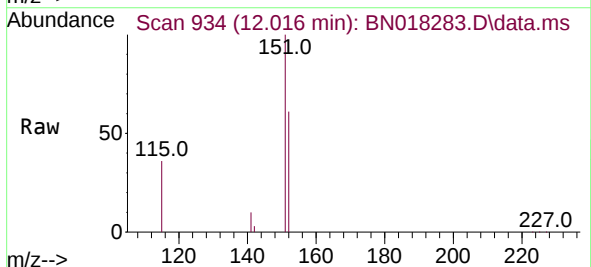
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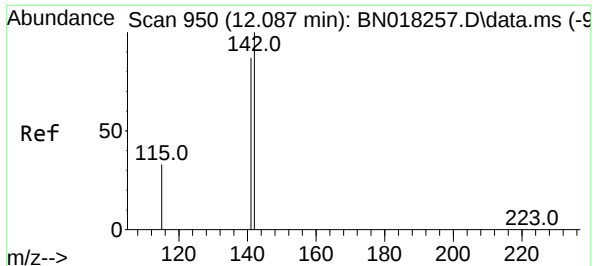
Tgt Ion:128 Resp: 253910  
Ion Ratio Lower Upper  
128 100  
129 22.2 8.7 13.1#  
127 19.5 10.4 15.6#



#11  
2-Methylnaphthalene-d10  
Concen: 0.411 ng  
RT: 12.016 min Scan# 934  
Delta R.T. 0.004 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:152 Resp: 71593  
Ion Ratio Lower Upper  
152 100  
151 160.1 16.2 24.2#





#12

2-Methylnaphthalene

Concen: 0.790 ng

RT: 12.092 min Scan# 91

Delta R.T. 0.004 min

Lab File: BN018283.D

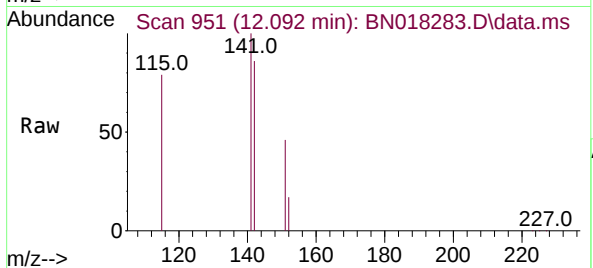
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Instrument :

BNA\_N

ClientSampleId :

PW-B6-L10-122221-FD



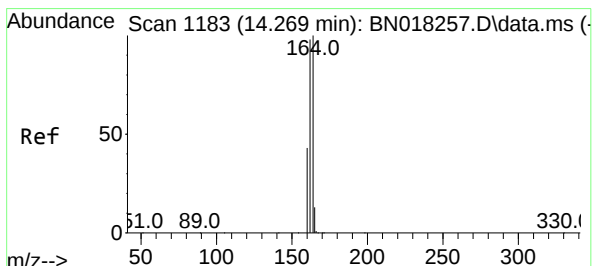
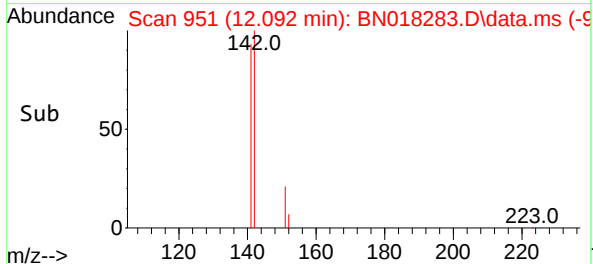
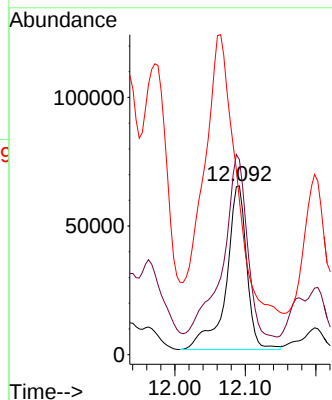
Tgt Ion:142 Resp: 129623

Ion Ratio Lower Upper

142 100

141 115.6 70.0 105.0#

115 91.4 27.8 41.8#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.281 min Scan# 1184

Delta R.T. 0.012 min

Lab File: BN018283.D

Acq: 30 Dec 2021 05:38

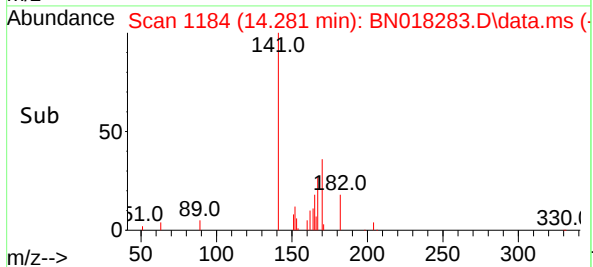
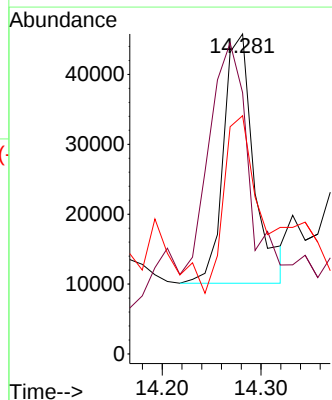
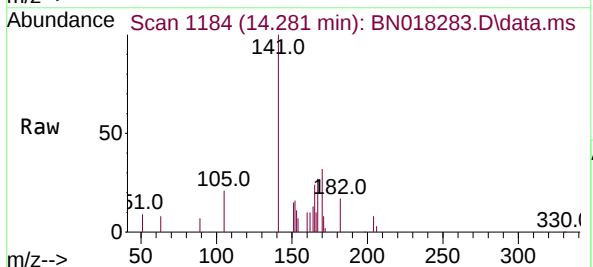
Tgt Ion:164 Resp: 76839

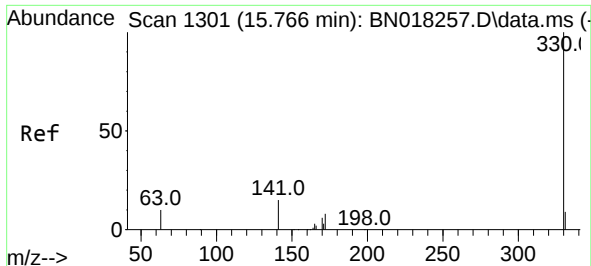
Ion Ratio Lower Upper

164 100

162 81.7 80.2 120.2

160 74.5 36.9 55.3#

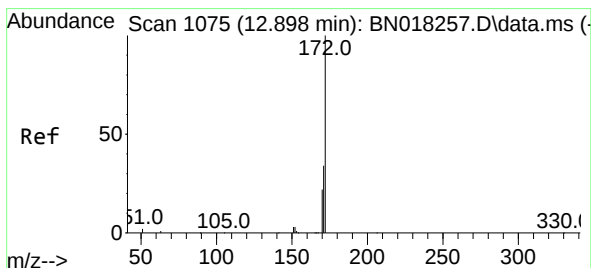
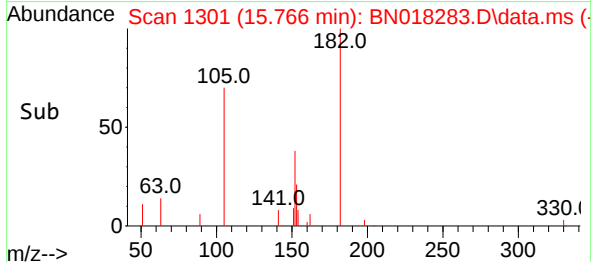
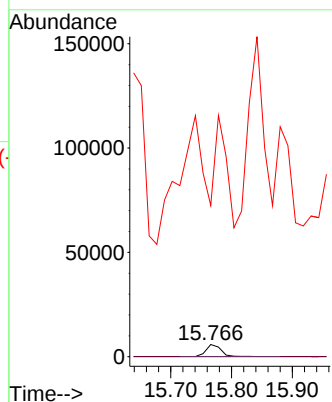
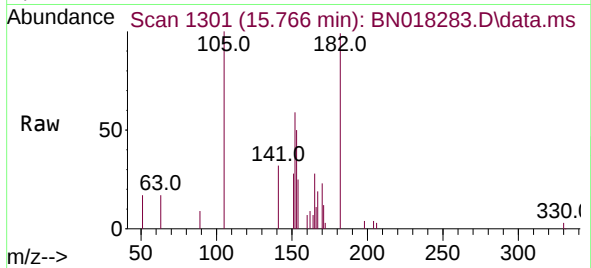




#14  
2,4,6-Tribromophenol  
Concen: 0.545 ng  
RT: 15.766 min Scan# 1301  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

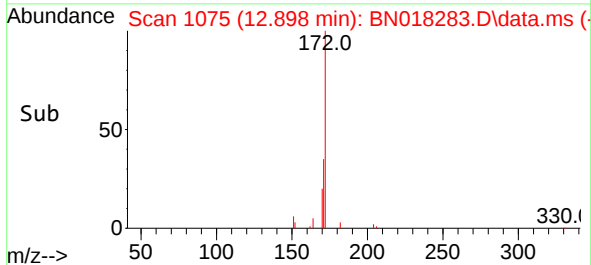
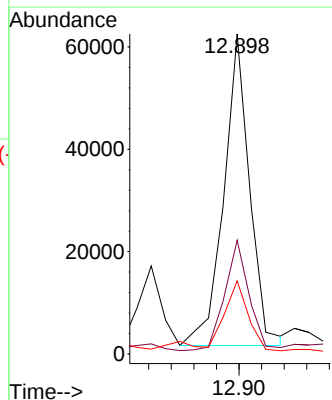
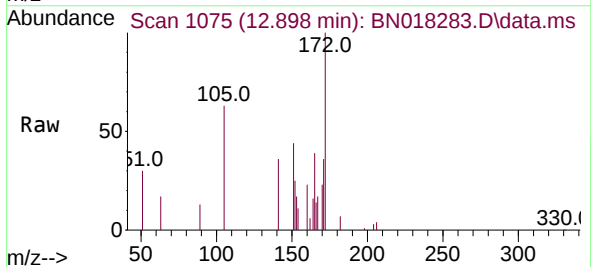
Instrument :  
BNA\_N  
ClientSampleId :  
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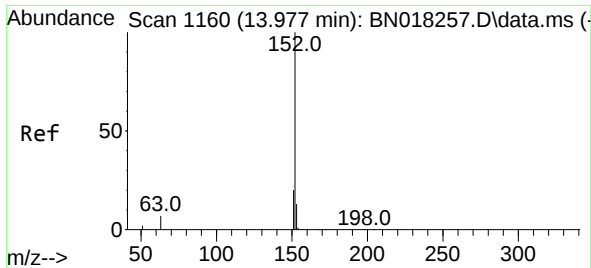
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Ion Ratio Lower Upper  
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332 0.0 0.0 0.0  
141 678.3 21.3 31.9#



#15  
2-Fluorobiphenyl  
Concen: 0.332 ng  
RT: 12.898 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:172 Resp: 96647  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.4 41.0  
170 22.9 18.4 27.6

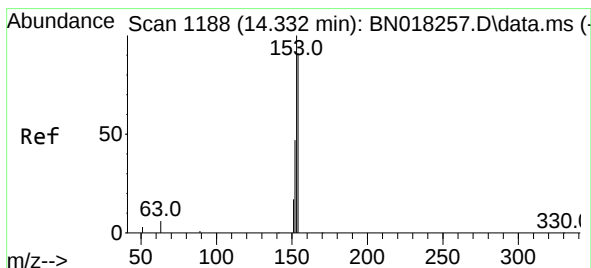
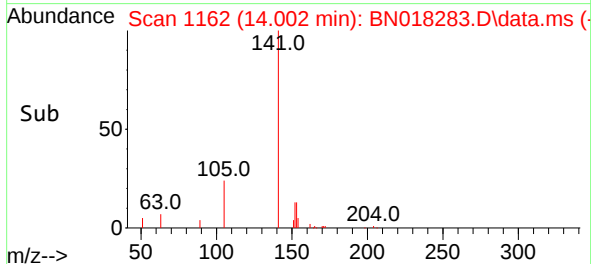
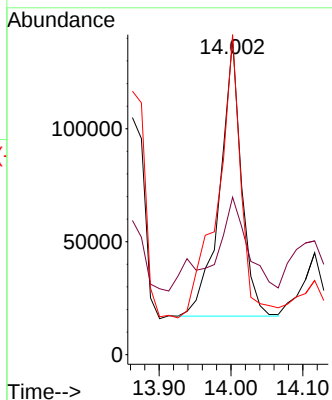
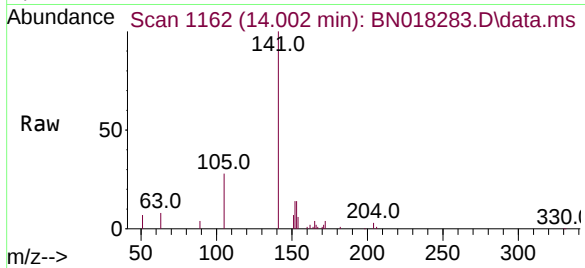




#16  
Acenaphthylene  
Concen: 0.949 ng  
RT: 14.002 min Scan# 1162  
Delta R.T. 0.025 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

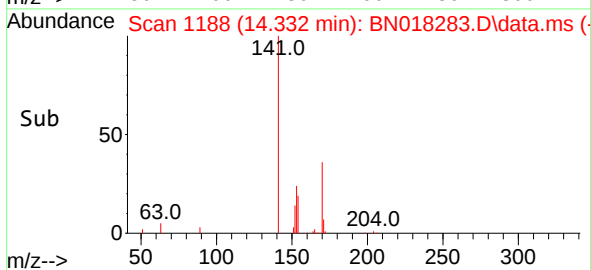
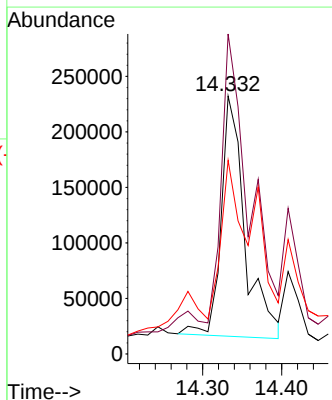
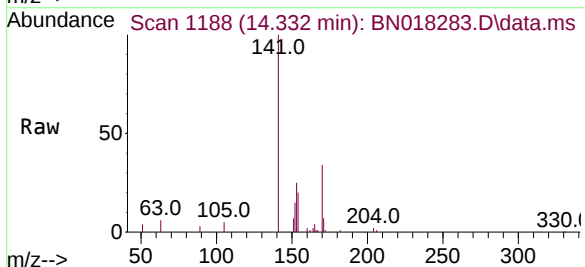
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

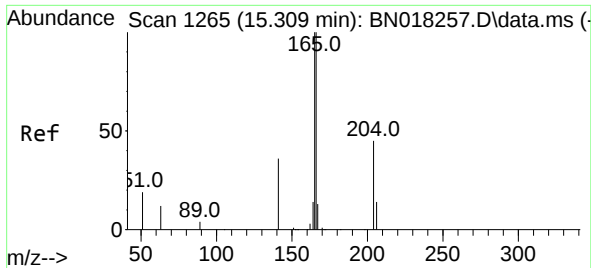
Tgt Ion:152 Resp: 256360  
Ion Ratio Lower Upper  
152 100  
151 40.0 15.8 23.6#  
153 110.8 10.5 15.7#



#17  
Acenaphthene  
Concen: 2.274 ng  
RT: 14.332 min Scan# 1188  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:154 Resp: 451200  
Ion Ratio Lower Upper  
154 100  
153 133.0 90.9 136.3  
152 86.1 45.0 67.4#

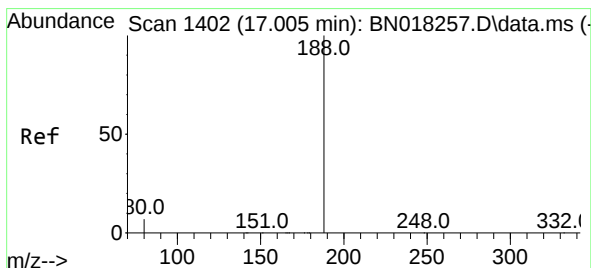
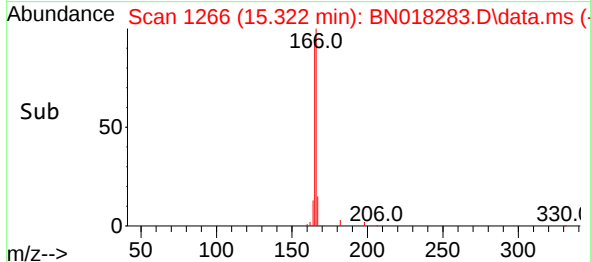
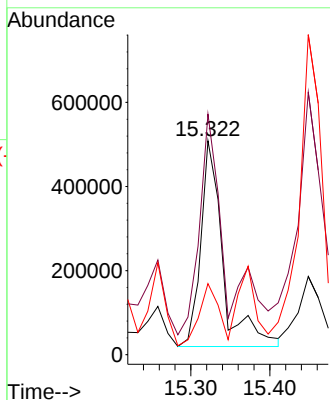
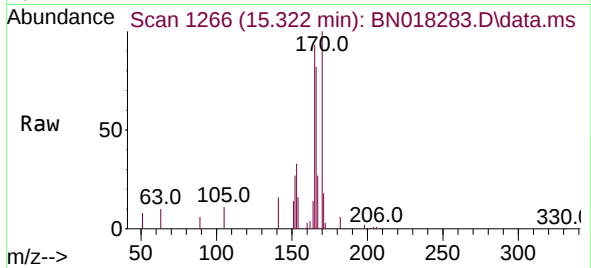




#18  
Fluorene  
Concen: 4.066 ng  
RT: 15.322 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

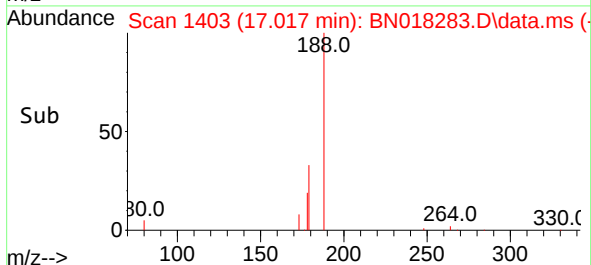
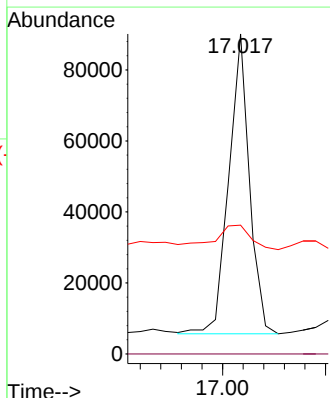
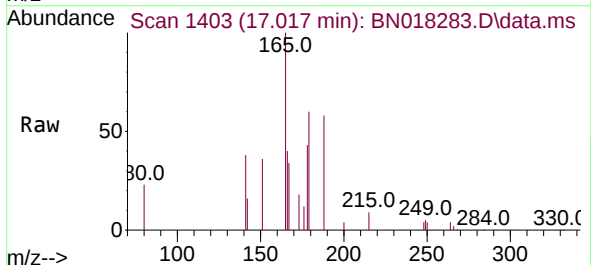
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

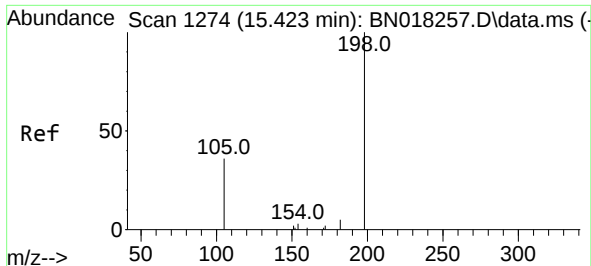
Tgt Ion:166 Resp: 950328  
Ion Ratio Lower Upper  
166 100  
165 101.7 77.8 116.6  
167 27.1 10.9 16.3#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.017 min Scan# 1403  
Delta R.T. 0.012 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:188 Resp: 117868  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 40.2 7.0 10.4#

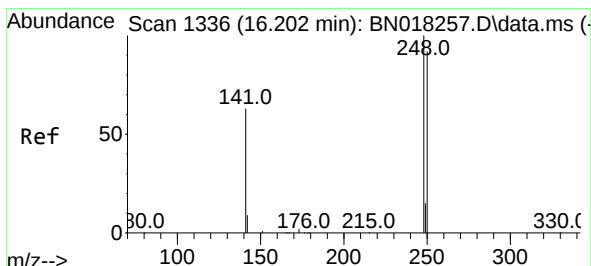
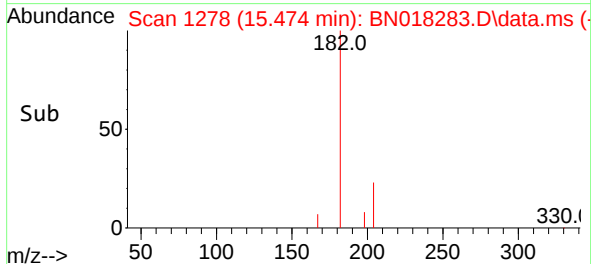
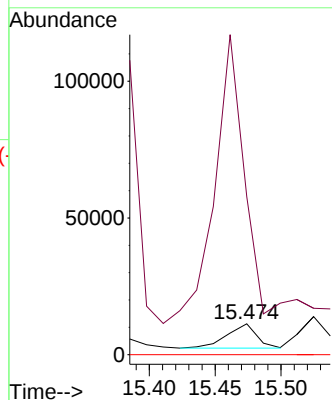
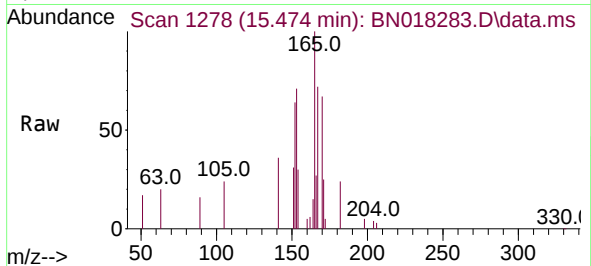




#20  
4,6-Dinitro-2-methylphenol  
Concen: 3.442 ng  
RT: 15.474 min Scan# 11  
Delta R.T. 0.051 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

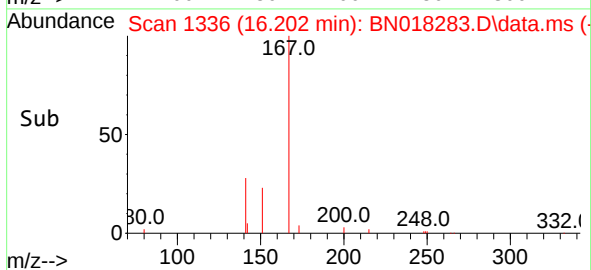
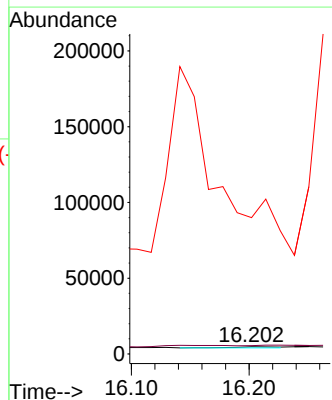
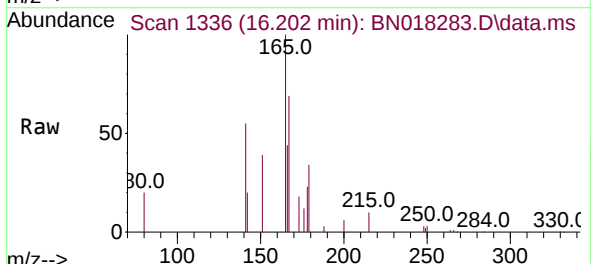
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

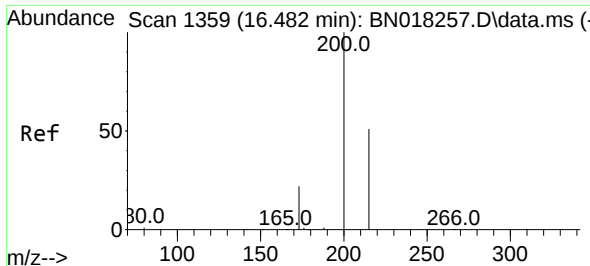
Tgt Ion:198 Resp: 14205  
Ion Ratio Lower Upper  
198 100  
182 510.6 15.5 23.3#  
77 0.0 0.0 0.0



#21  
4-Bromophenyl-phenylether  
Concen: 0.027 ng  
RT: 16.202 min Scan# 1336  
Delta R.T. -0.000 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:248 Resp: 1935  
Ion Ratio Lower Upper  
248 100  
250 114.4 74.4 111.6#  
141 1885.8 43.7 65.5#

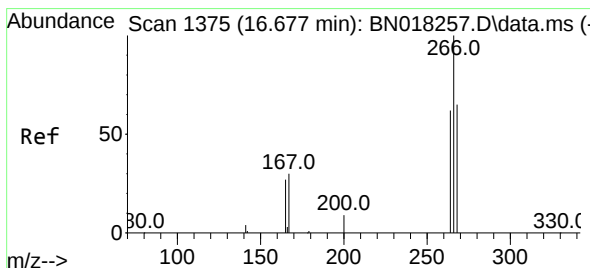
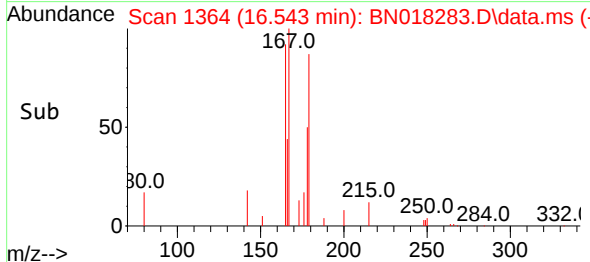
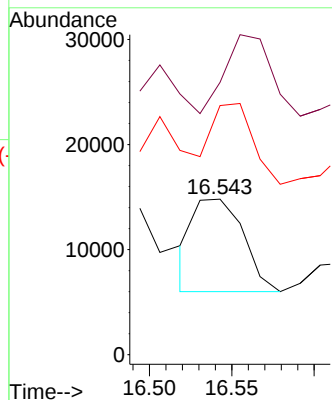
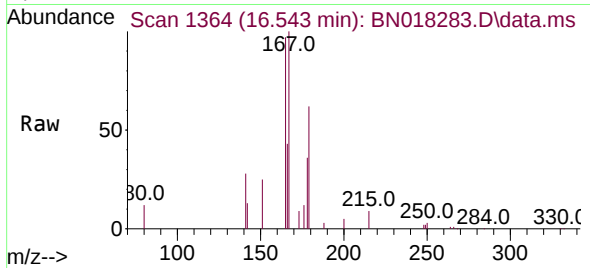




#23  
 Atrazine  
 Concen: 0.447 ng  
 RT: 16.543 min Scan# 11  
 Delta R.T. 0.061 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

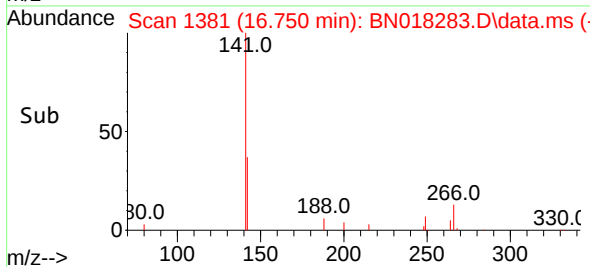
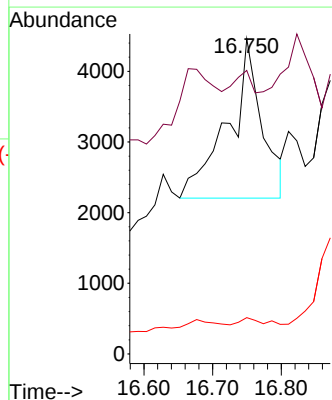
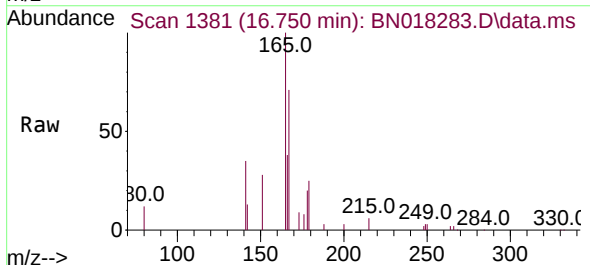
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PW-B6-L10-122221-FD

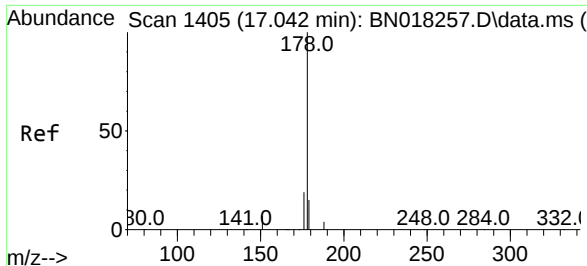
Tgt Ion:200 Resp: 18573  
 Ion Ratio Lower Upper  
 200 100  
 173 175.0 20.3 30.5#  
 215 160.2 40.4 60.6#



#24  
 Pentachlorophenol  
 Concen: 0.796 ng  
 RT: 16.750 min Scan# 1381  
 Delta R.T. 0.073 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

Tgt Ion:266 Resp: 7761  
 Ion Ratio Lower Upper  
 266 100  
 264 8.1 49.5 74.3#  
 268 3.1 50.6 76.0#

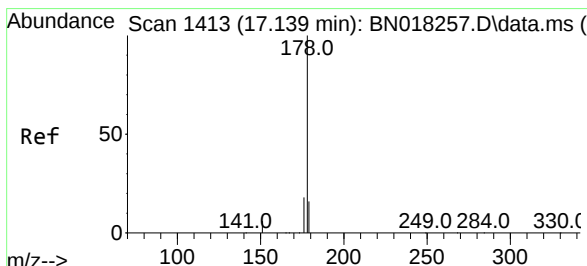
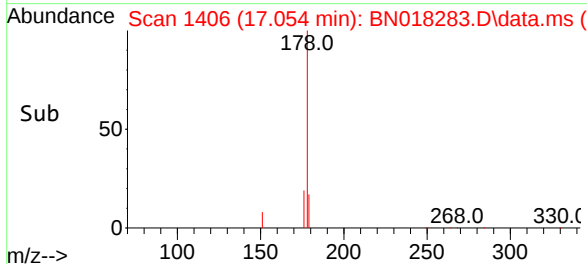
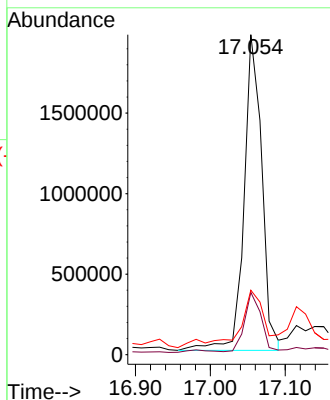
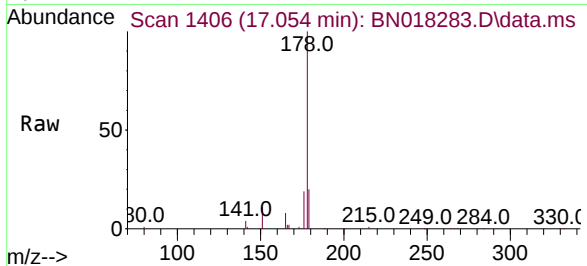




#25  
Phenanthrene  
Concen: 10.389 ng  
RT: 17.054 min Scan# 1406  
Delta R.T. 0.012 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

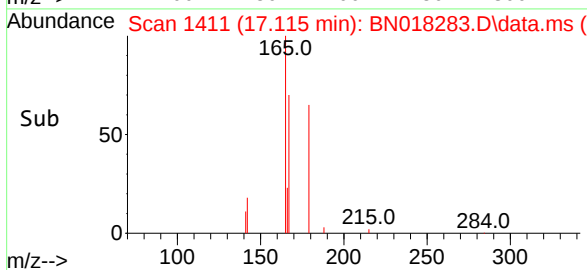
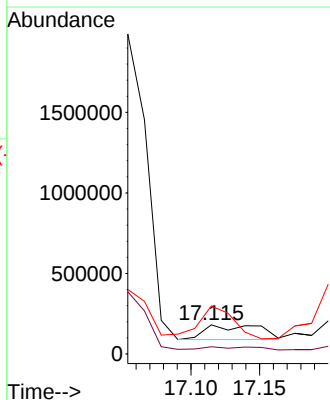
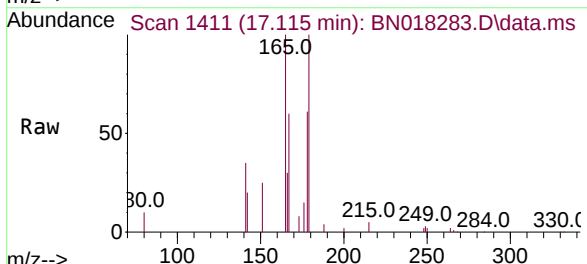
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

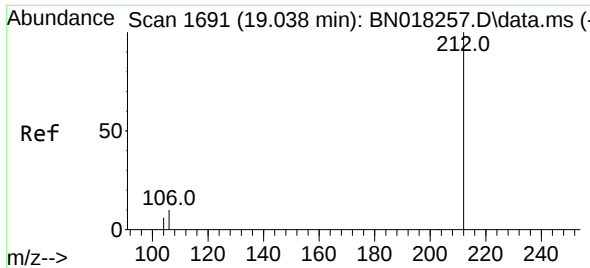
Tgt Ion:178 Resp: 3228093  
Ion Ratio Lower Upper  
178 100  
176 17.3 15.3 22.9  
179 18.8 12.3 18.5#



#26  
Anthracene  
Concen: 0.909 ng  
RT: 17.115 min Scan# 1411  
Delta R.T. -0.024 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:178 Resp: 249045  
Ion Ratio Lower Upper  
178 100  
176 17.9 14.8 22.2  
179 136.5 12.2 18.4#

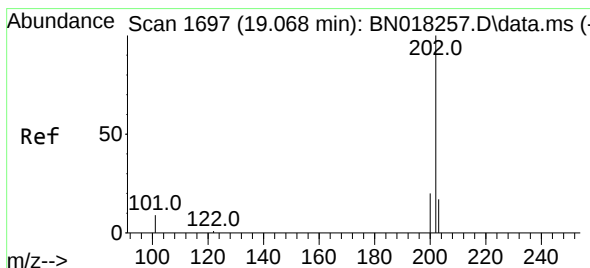
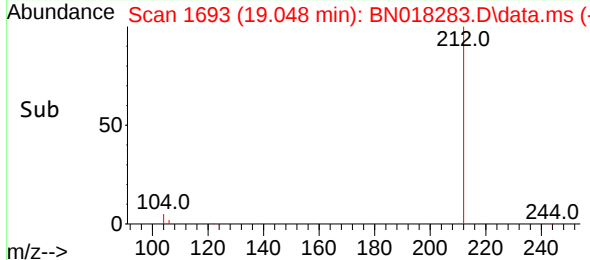
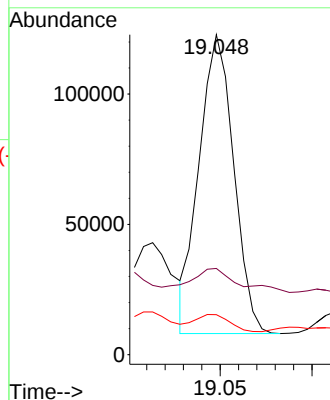
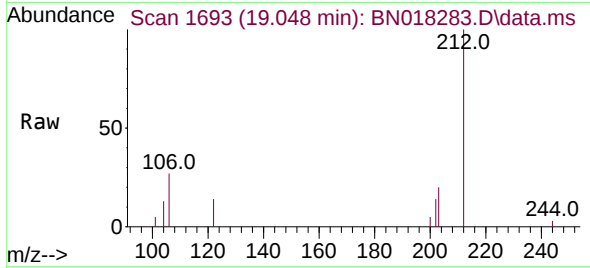




#27  
Fluoranthene-d10  
Concen: 0.400 ng  
RT: 19.048 min Scan# 1691  
Delta R.T. 0.010 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

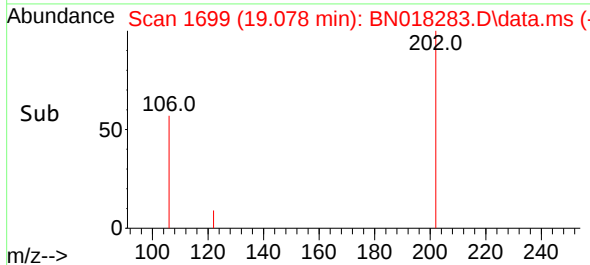
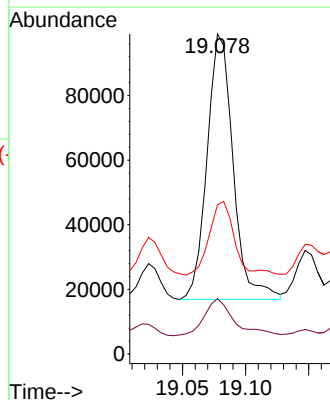
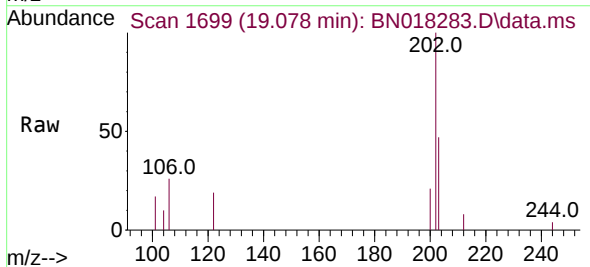
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

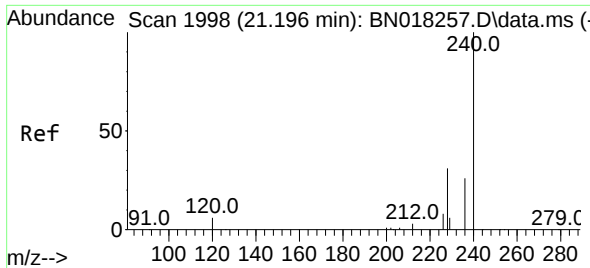
Tgt Ion:212 Resp: 150062  
Ion Ratio Lower Upper  
212 100  
106 18.3 8.4 12.6#  
104 5.8 4.5 6.7



#28  
Fluoranthene  
Concen: 0.325 ng  
RT: 19.078 min Scan# 1699  
Delta R.T. 0.010 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:202 Resp: 118302  
Ion Ratio Lower Upper  
202 100  
101 15.8 7.2 10.8#  
203 26.5 13.7 20.5#

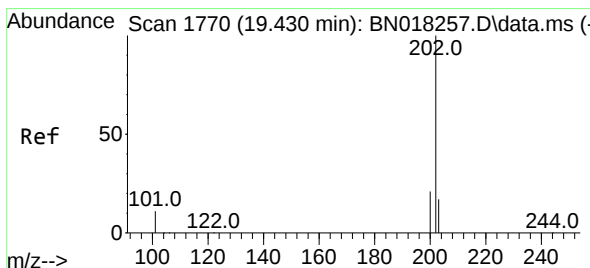
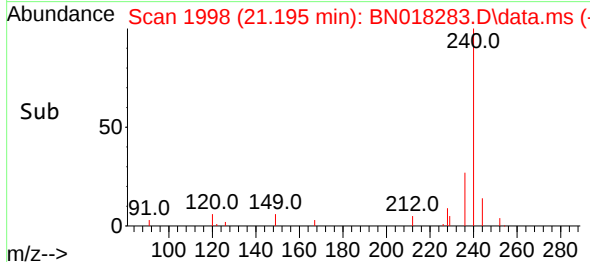
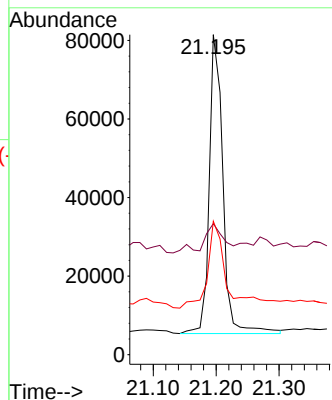
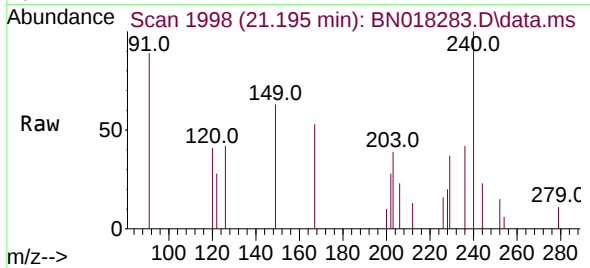




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.195 min Scan# 1998  
Delta R.T. -0.001 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

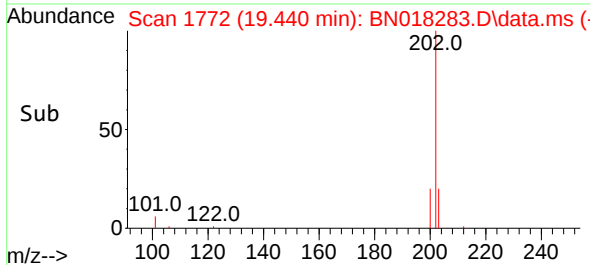
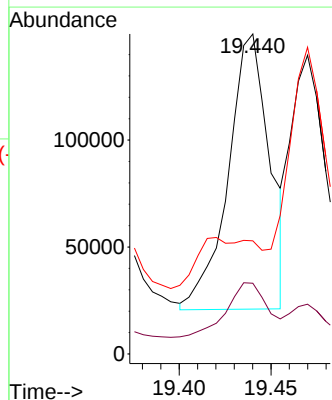
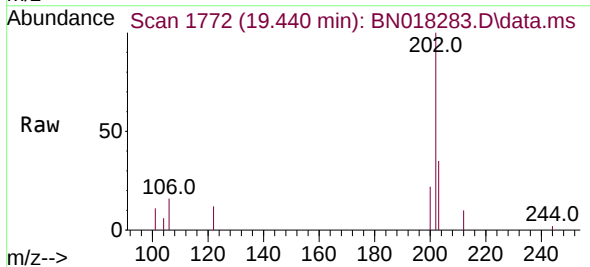
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

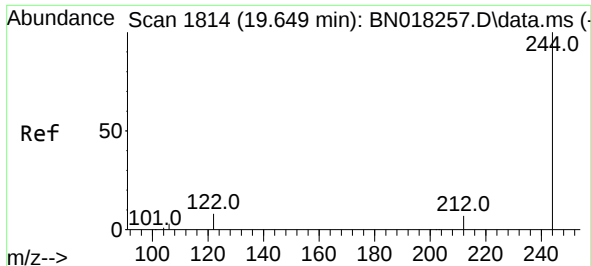
Tgt Ion:240 Resp: 113652  
Ion Ratio Lower Upper  
240 100  
120 40.9 6.0 9.0#  
236 41.7 21.4 32.2#



#30  
Pyrene  
Concen: 0.452 ng  
RT: 19.440 min Scan# 1772  
Delta R.T. 0.010 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:202 Resp: 201615  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.6 25.0  
203 19.4 14.1 21.1

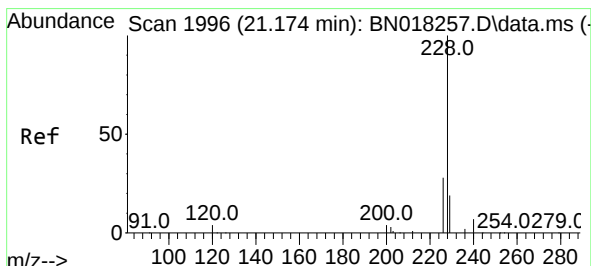
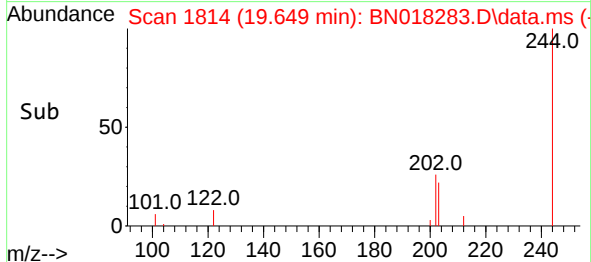
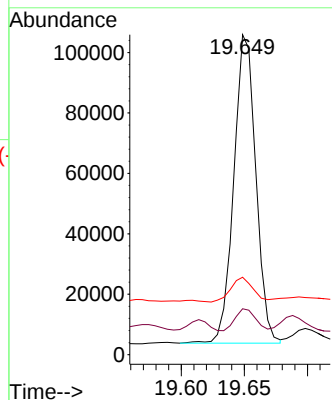
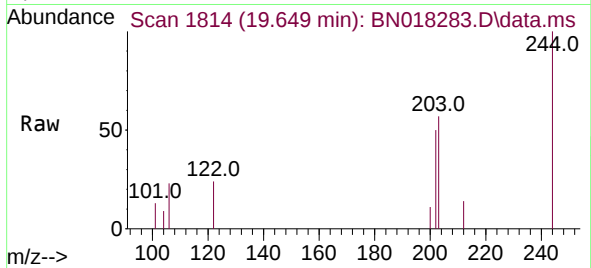




#31  
 Terphenyl-d14  
 Concen: 0.430 ng  
 RT: 19.649 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

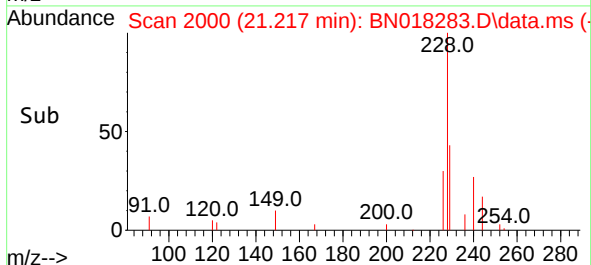
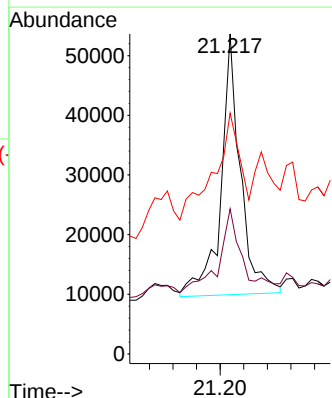
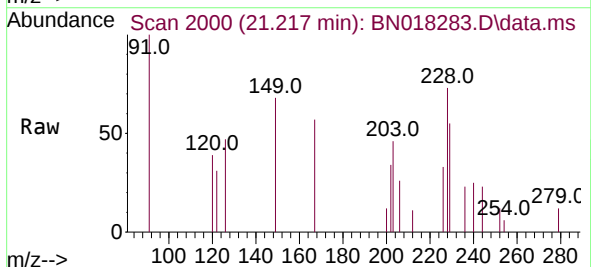
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PW-B6-L10-122221-FD

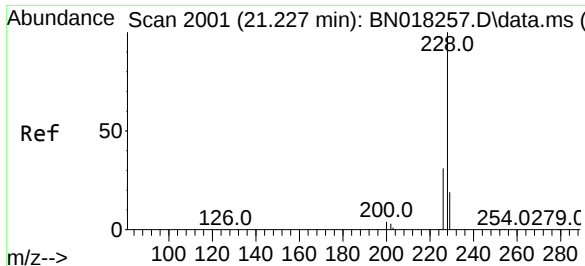
Tgt Ion:244 Resp: 124190  
 Ion Ratio Lower Upper  
 244 100  
 212 14.4 6.2 9.2#  
 122 24.2 7.9 11.9#



#32  
 Benzo(a)anthracene  
 Concen: 0.330 ng  
 RT: 21.217 min Scan# 2000  
 Delta R.T. 0.043 min  
 Lab File: BN018283.D  
 Acq: 30 Dec 2021 05:38

Tgt Ion:228 Resp: 100452  
 Ion Ratio Lower Upper  
 228 100  
 226 45.4 21.3 31.9#  
 229 75.3 15.9 23.9#

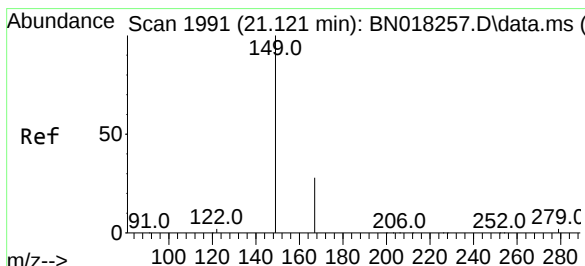
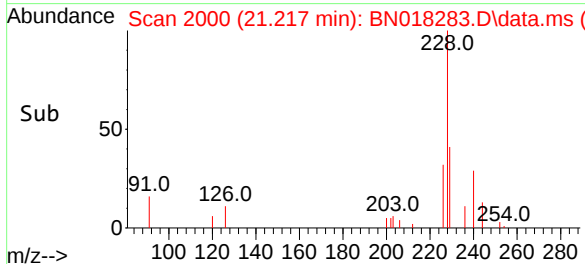
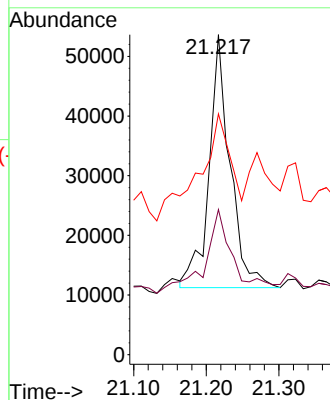
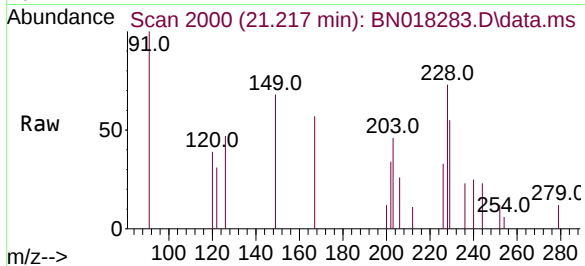




#33  
Chrysene  
Concen: 0.233 ng  
RT: 21.217 min Scan# 2000  
Delta R.T. -0.011 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

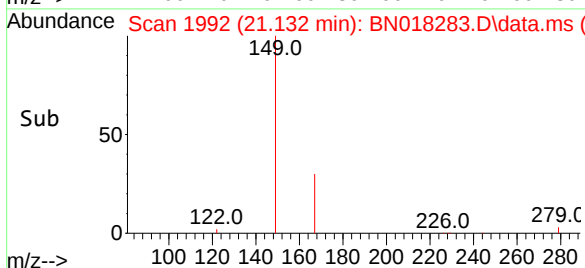
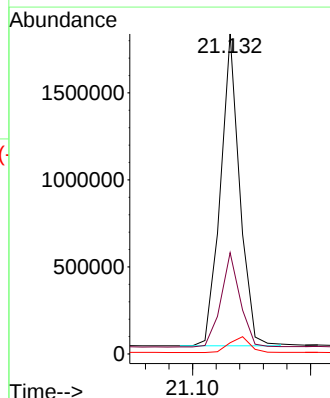
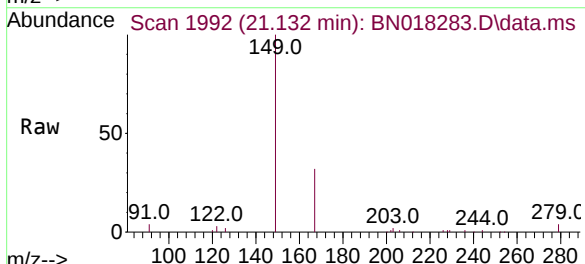
Instrument :  
BNA\_N  
ClientSampleId :  
PW-B6-L10-122221-FD

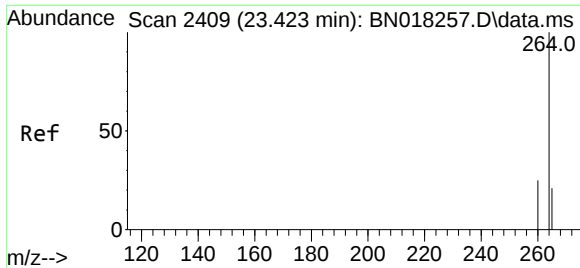
Tgt Ion:228 Resp: 85239  
Ion Ratio Lower Upper  
228 100  
226 45.4 24.2 36.4#  
229 75.3 15.5 23.3#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 14.305 ng  
RT: 21.132 min Scan# 1992  
Delta R.T. 0.011 min  
Lab File: BN018283.D  
Acq: 30 Dec 2021 05:38

Tgt Ion:149 Resp: 2029381  
Ion Ratio Lower Upper  
149 100  
167 30.2 23.7 35.5  
279 5.4 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.433 min Scan# 24

Delta R.T. 0.010 min

Lab File: BN018283.D

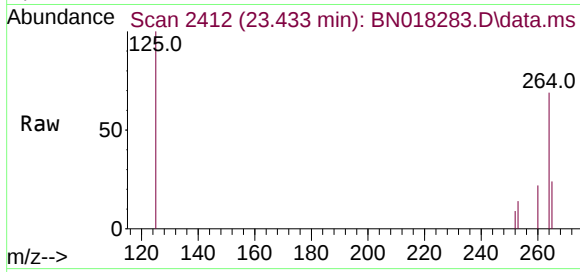
Acq: 30 Dec 2021 05:38

Instrument :

BNA\_N

ClientSampleId :

PW-B6-L10-122221-FD



Tgt Ion:264 Resp: 106414

Ion Ratio Lower Upper

264 100

260 31.5 20.2 30.4#

265 34.7 18.2 27.2#

