

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070121\  
 Data File : BN015286.D  
 Acq On : 02 Jul 2021 07:56  
 Operator : CG/JU  
 Sample : M2838-21  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20210622

Quant Time: Jul 02 08:29:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 01 09:06:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.734  | 152  | 24323    | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.495 | 136  | 109448   | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.344 | 164  | 57458    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.090 | 188  | 113956   | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.291 | 240  | 86378    | 0.40 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.539 | 264  | 72325    | 0.40 | ng    | -0.01    |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.355  | 112  | 6940     | 0.11 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.904  | 99   | 4856     | 0.06 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.873  | 82   | 25076    | 0.41 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.082 | 152  | 57585    | 0.32 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.842 | 330  | 4758     | 0.41 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.962 | 172  | 79625    | 0.34 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.127 | 212  | 135609   | 0.40 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.733 | 244  | 103626   | 0.51 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.354  | 88   | 7621     | 0.67 | ng    | # 80     |
| 20) 4,6-Dinitro-2-methylph... | 15.474 | 198  | 14       | 0.20 | ng    | # 5      |
| 23) Atrazine                  | 16.506 | 200  | 24       | 0.17 | ng    | # 38     |
| 24) Pentachlorophenol         | 16.749 | 266  | 219      | 0.26 | ng    | 89       |
| 32) Benzo(a)anthracene        | 21.270 | 228  | 15649    | 0.05 | ng    | 99       |
| 33) Chrysene                  | 21.323 | 228  | 16393    | 0.05 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 31903    | 0.45 | ng    | # 86     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.795 | 276  | 9704     | 0.04 | ng    | # 88     |
| 37) Benzo(b)fluoranthene      | 22.861 | 252  | 15637    | 0.06 | ng    | # 87     |
| 38) Benzo(k)fluoranthene      | 22.909 | 252  | 15965    | 0.05 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.440 | 252  | 13064    | 0.05 | ng    | # 72     |
| 40) Dibenzo(a,h)anthracene    | 25.812 | 278  | 7354     | 0.04 | ng    | # 86     |
| 41) Benzo(g,h,i)perylene      | 26.486 | 276  | 9340     | 0.04 | ng    | # 85     |
| -----                         |        |      |          |      |       |          |

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

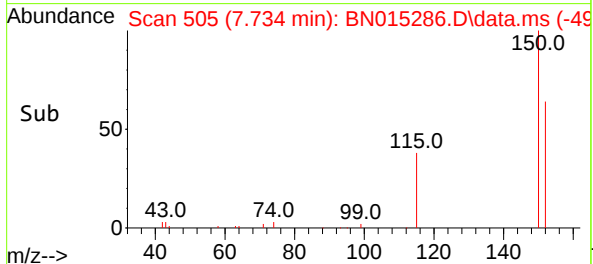
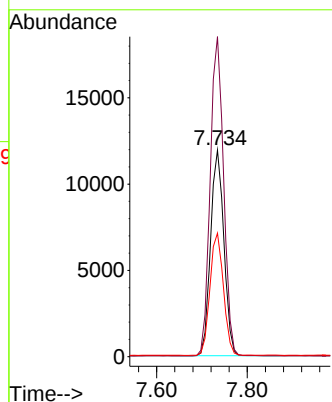
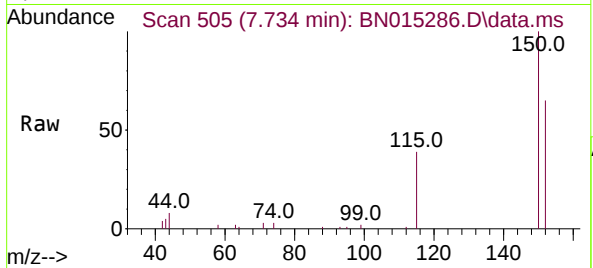




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.734 min Scan# 505  
 Delta R.T. 0.002 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

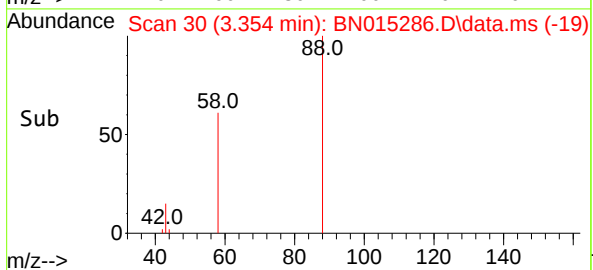
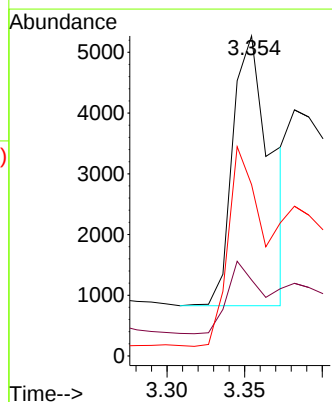
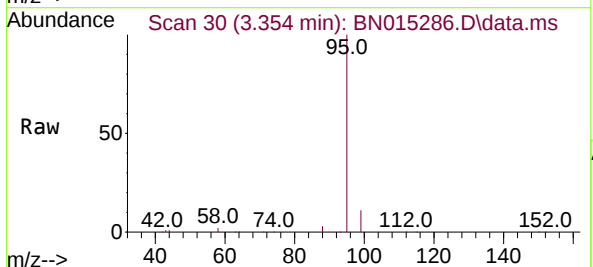
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20210622

Tgt Ion:152 Resp: 24323  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 119.0 178.6  
 115 59.8 62.2 93.4#



#2  
 1,4-Dioxane  
 Concen: 0.67 ng  
 RT: 3.354 min Scan# 30  
 Delta R.T. 0.002 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

Tgt Ion: 88 Resp: 7621  
 Ion Ratio Lower Upper  
 88 100  
 43 22.4 12.9 19.3#  
 58 61.9 38.1 57.1#

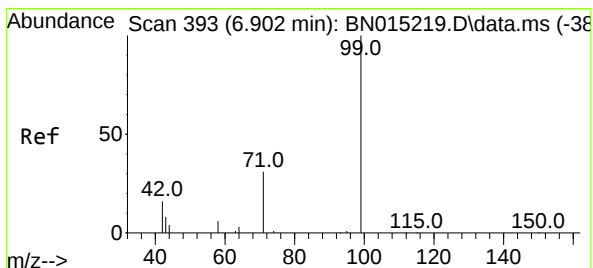
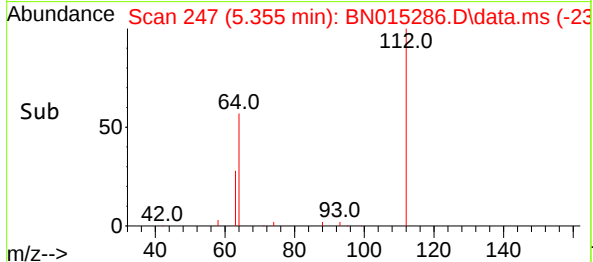
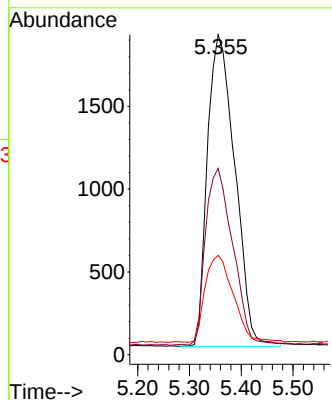
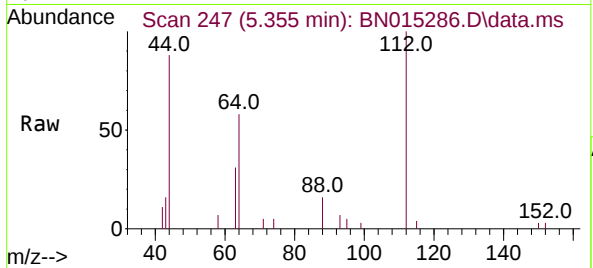




#4  
2-Fluorophenol  
Concen: 0.11 ng  
RT: 5.355 min Scan# 247  
Delta R.T. -0.007 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

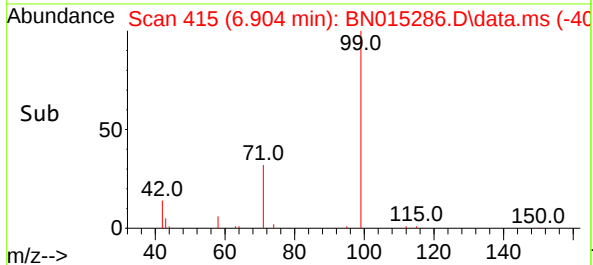
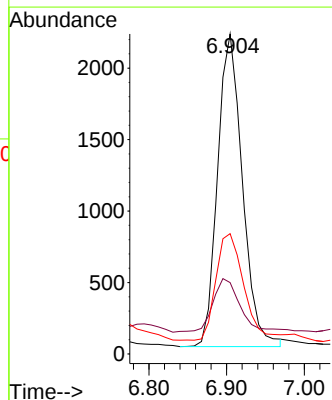
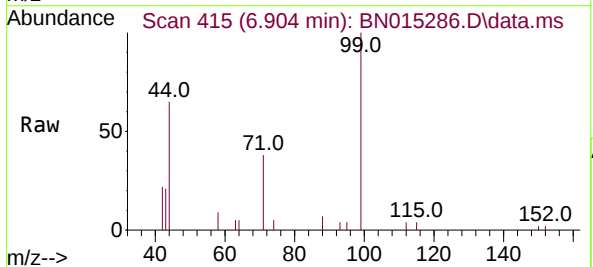
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

Tgt Ion:112 Resp: 6940  
Ion Ratio Lower Upper  
112 100  
64 56.0 39.0 58.6  
63 28.4 20.6 30.8



#5  
Phenol-d6  
Concen: 0.06 ng  
RT: 6.904 min Scan# 415  
Delta R.T. 0.003 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion: 99 Resp: 4856  
Ion Ratio Lower Upper  
99 100  
42 17.9 8.9 13.3#  
71 38.3 35.6 53.4

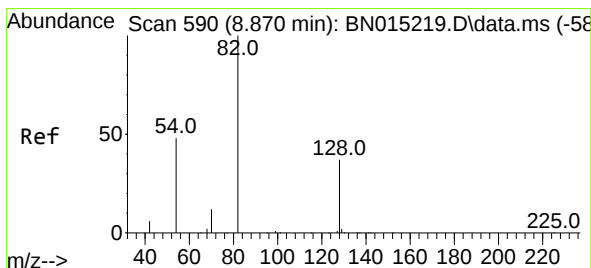
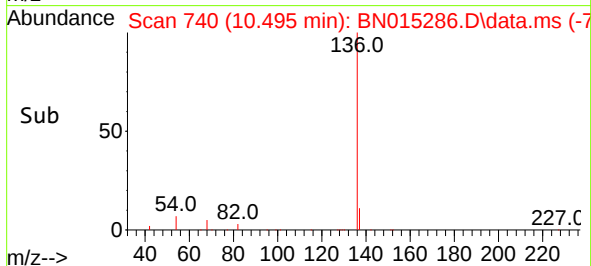
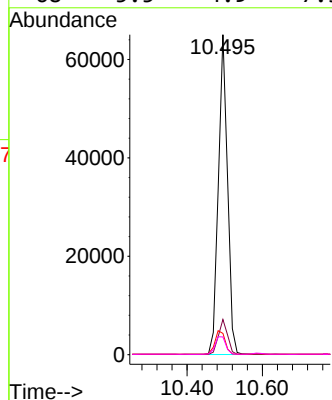
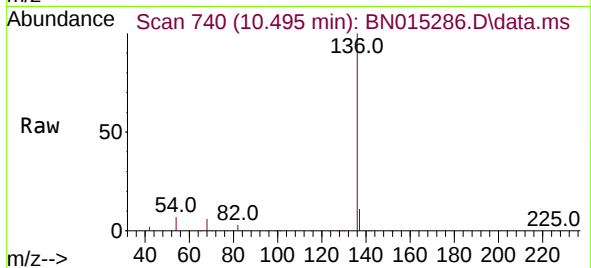




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.495 min Scan# 740  
Delta R.T. 0.002 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

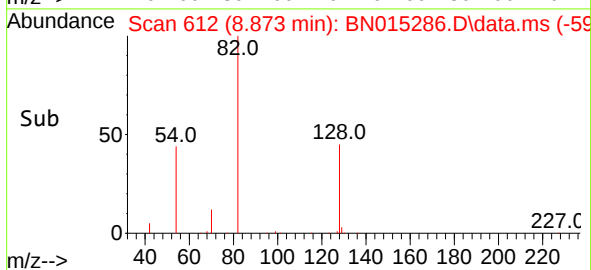
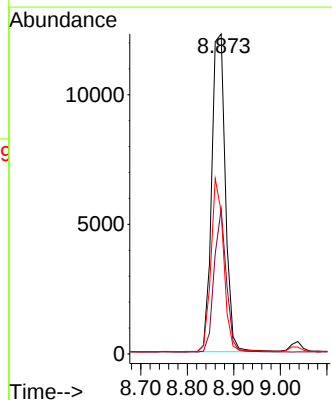
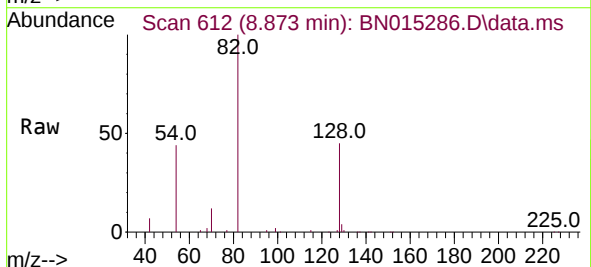
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 109448   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.0  | 9.8 14.8 |
| 54          | 6.6   | 5.4 8.2  |
| 68          | 5.5   | 4.9 7.3  |



#8  
Nitrobenzene-d5  
Concen: 0.41 ng  
RT: 8.873 min Scan# 612  
Delta R.T. 0.003 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 25076     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 45.3  | 31.6 47.4 |
| 54          | 44.4  | 29.0 43.4 |

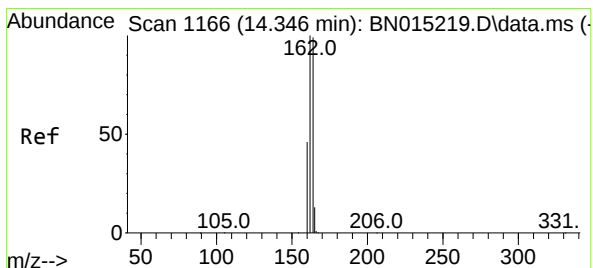
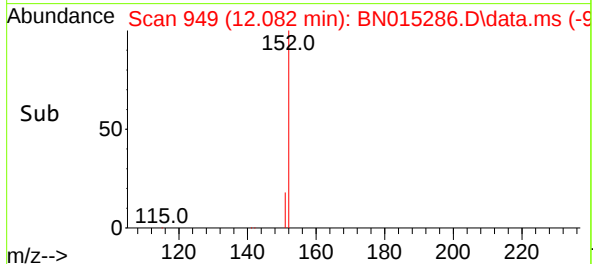
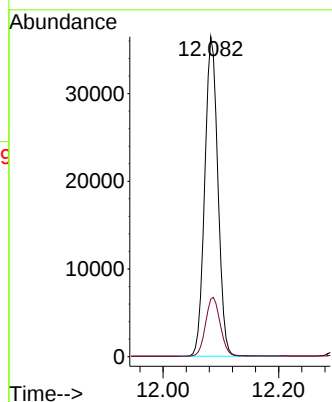
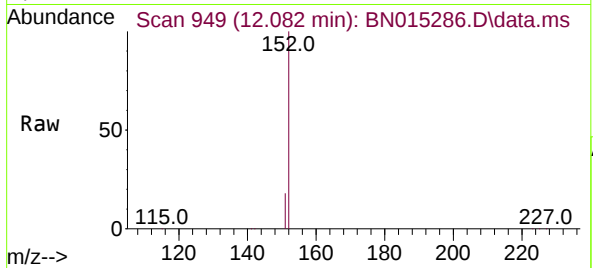




#11  
2-Methylnaphthalene-d10  
Concen: 0.32 ng  
RT: 12.082 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

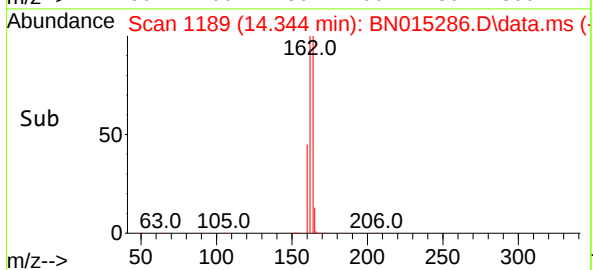
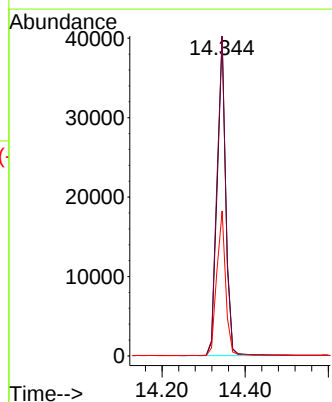
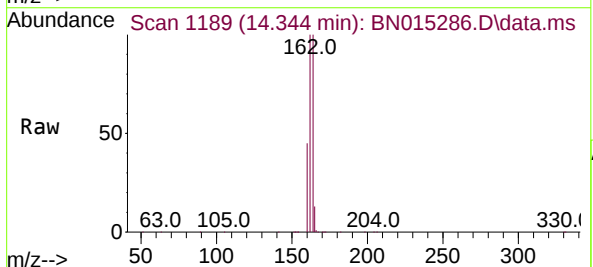
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

Tgt Ion:152 Resp: 57585  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.344 min Scan# 1189  
Delta R.T. -0.002 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:164 Resp: 57458  
Ion Ratio Lower Upper  
164 100  
162 100.1 83.8 125.6  
160 45.3 37.4 56.0

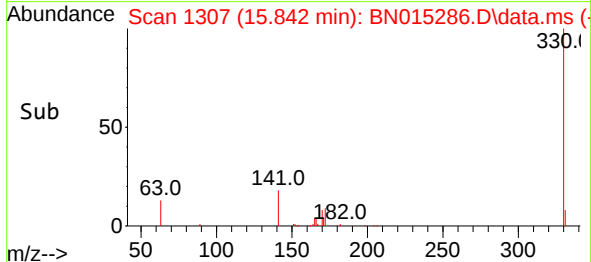
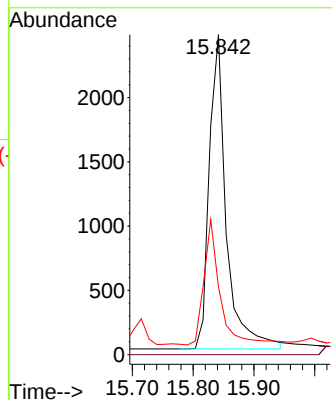
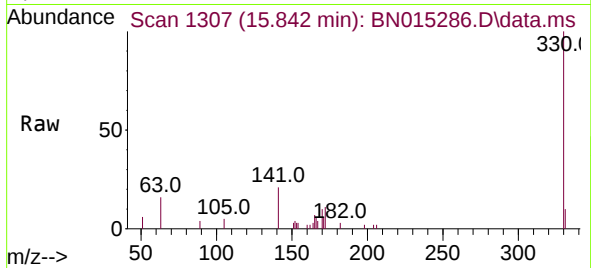




#14  
2,4,6-Tribromophenol  
Concen: 0.41 ng  
RT: 15.842 min Scan# 1307  
Delta R.T. -0.001 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

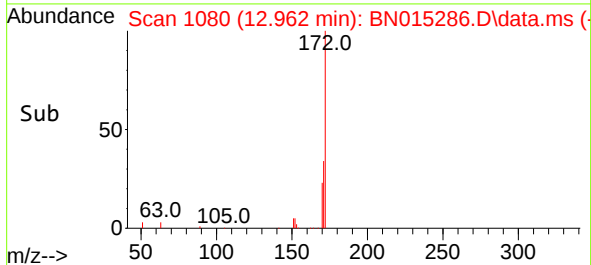
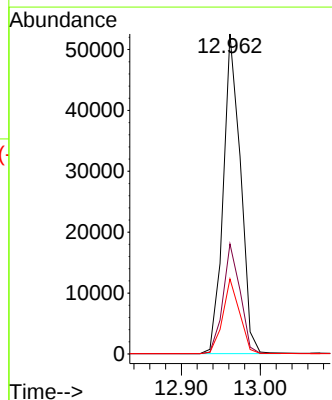
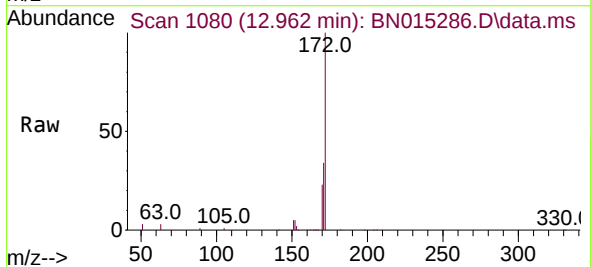
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

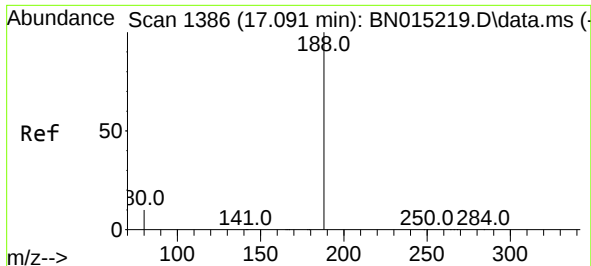
Tgt Ion: 330 Resp: 4758  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 36.8 22.4 33.6#



#15  
2-Fluorobiphenyl  
Concen: 0.34 ng  
RT: 12.962 min Scan# 1080  
Delta R.T. -0.001 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion: 172 Resp: 79625  
Ion Ratio Lower Upper  
172 100  
171 34.4 30.6 45.8  
170 23.4 20.2 30.4

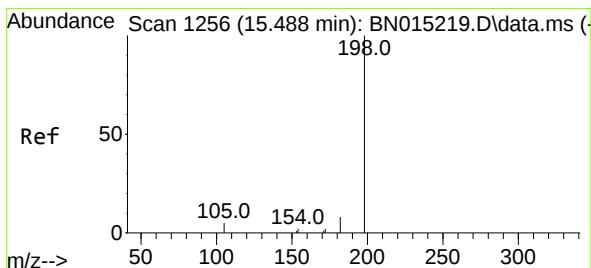
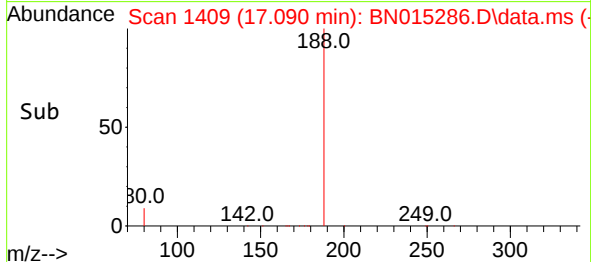
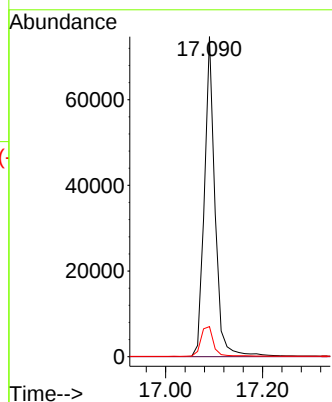
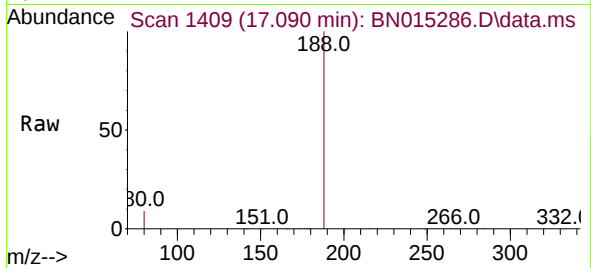




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.090 min Scan# 1409  
Delta R.T. -0.001 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

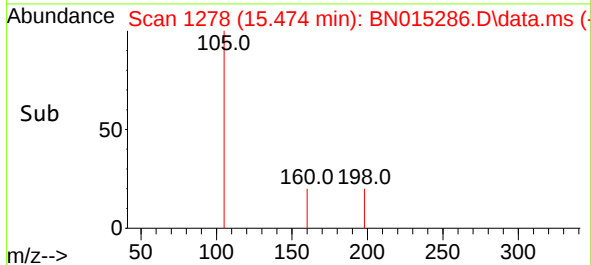
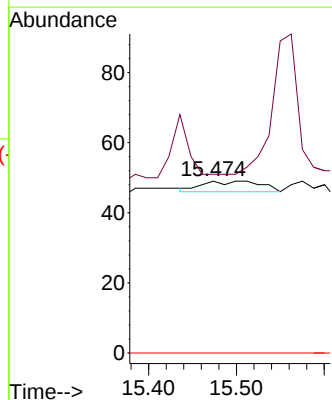
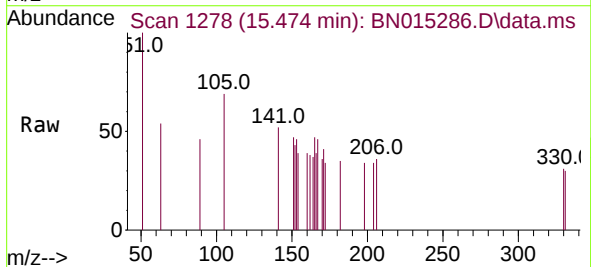
Instrument :  
BNA\_N  
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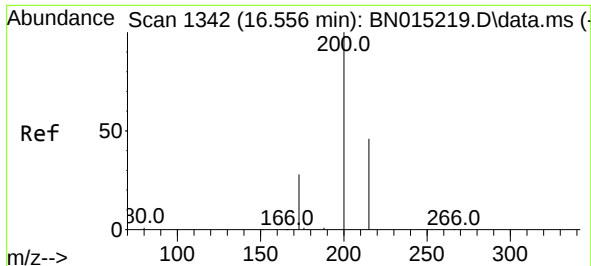
Tgt Ion:188 Resp: 113956  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 9.0 13.4



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.20 ng  
RT: 15.474 min Scan# 1278  
Delta R.T. -0.014 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:198 Resp: 14  
Ion Ratio Lower Upper  
198 100  
182 104.1 34.5 51.7#  
77 0.0 0.0 0.0

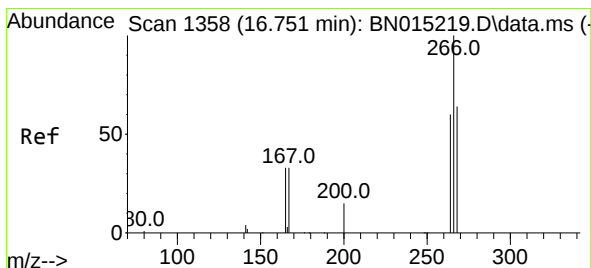
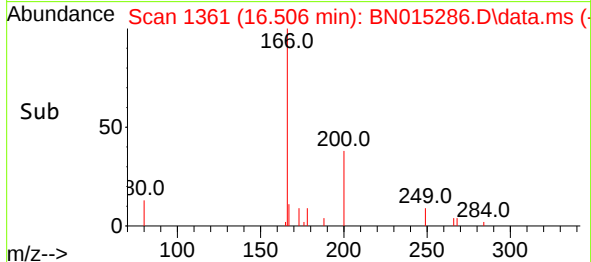
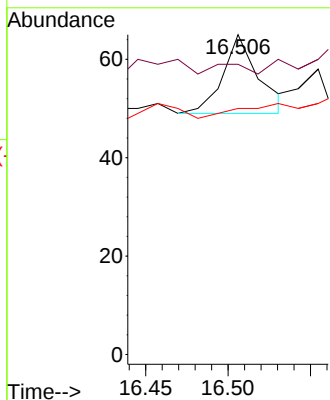
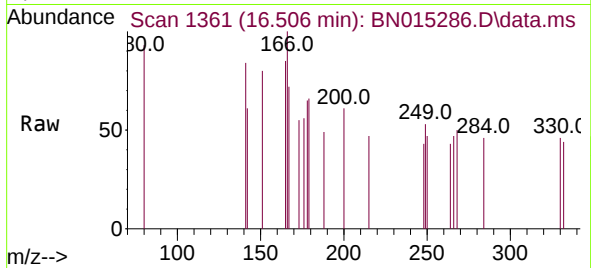




#23  
Atrazine  
Concen: 0.17 ng  
RT: 16.506 min Scan# 1361  
Delta R.T. -0.050 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

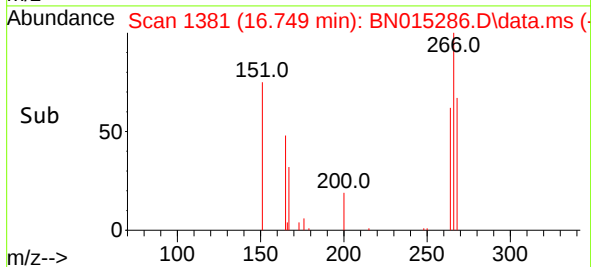
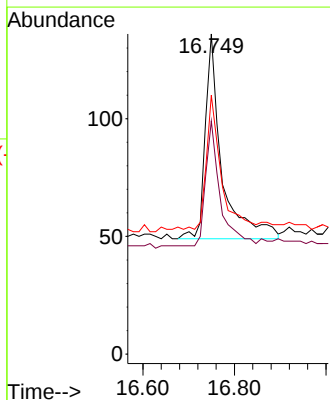
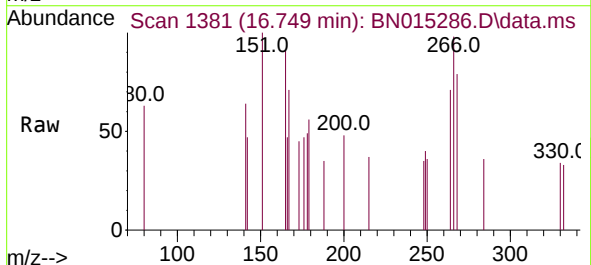
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

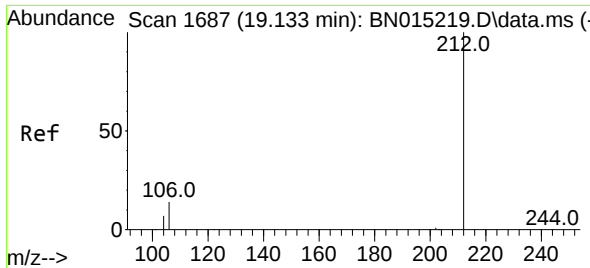
Tgt Ion:200 Resp: 24  
Ion Ratio Lower Upper  
200 100  
173 90.8 21.7 32.5#  
215 76.9 43.1 64.7#



#24  
Pentachlorophenol  
Concen: 0.26 ng  
RT: 16.749 min Scan# 1381  
Delta R.T. -0.002 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:266 Resp: 219  
Ion Ratio Lower Upper  
266 100  
264 53.0 51.0 76.4  
268 57.5 50.6 76.0

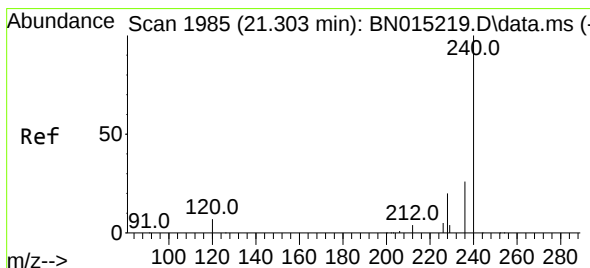
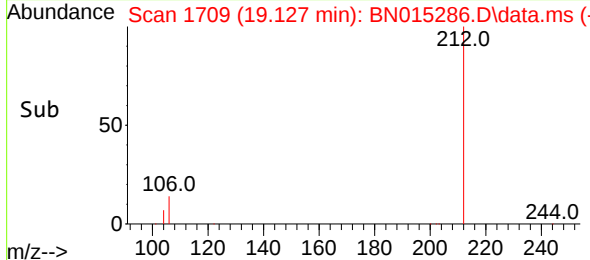
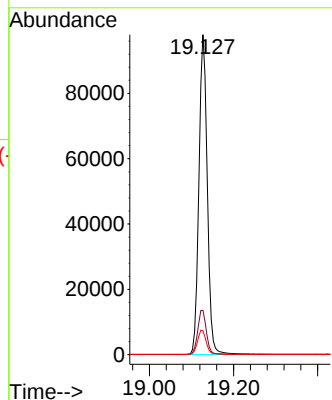
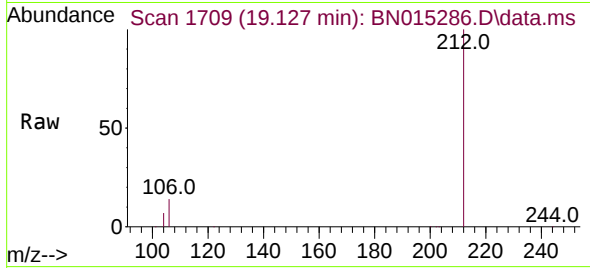




#27  
Fluoranthene-d10  
Concen: 0.40 ng  
RT: 19.127 min Scan# 1709  
Delta R.T. -0.006 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

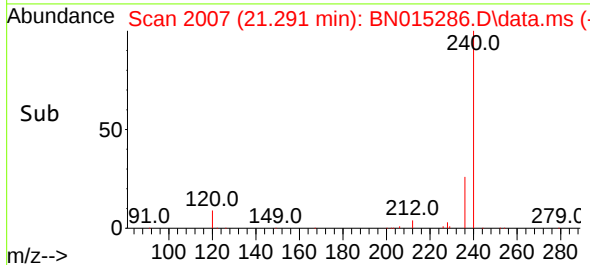
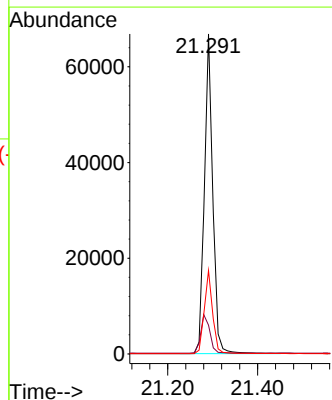
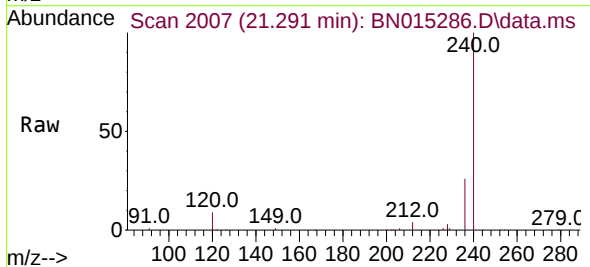
Instrument :  
BNA\_N  
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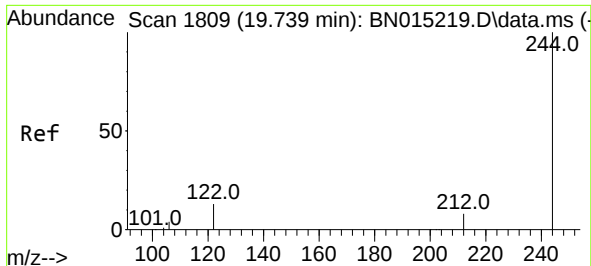
Tgt Ion:212 Resp: 135609  
Ion Ratio Lower Upper  
212 100  
106 14.2 7.0 10.6#  
104 7.8 4.1 6.1#



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.291 min Scan# 2007  
Delta R.T. -0.012 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:240 Resp: 86378  
Ion Ratio Lower Upper  
240 100  
120 9.0 4.2 6.4#  
236 26.1 21.4 32.2

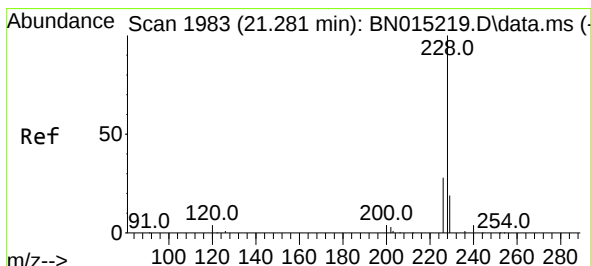
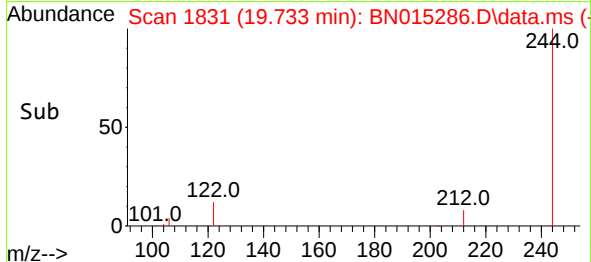
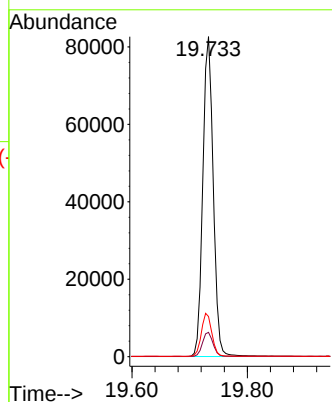
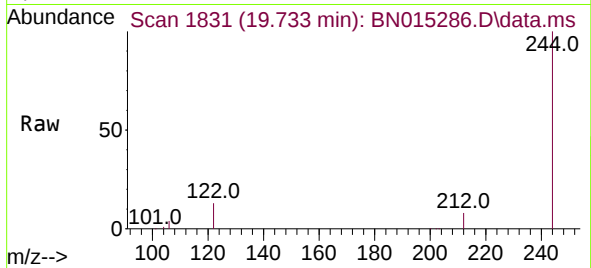




#31  
 Terphenyl-d14  
 Concen: 0.51 ng  
 RT: 19.733 min Scan# 1831  
 Delta R.T. -0.006 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

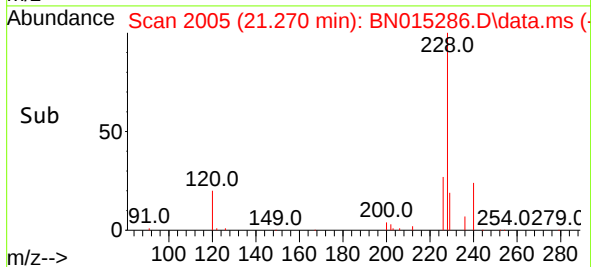
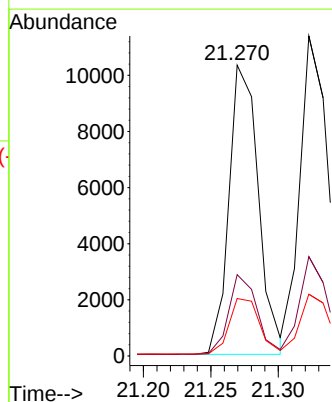
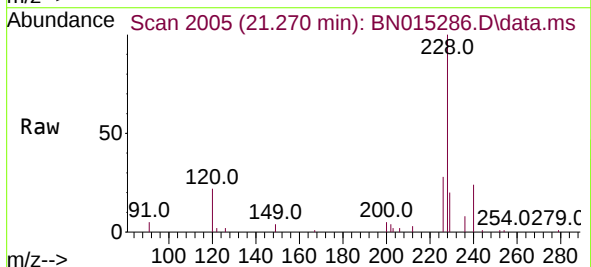
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20210622

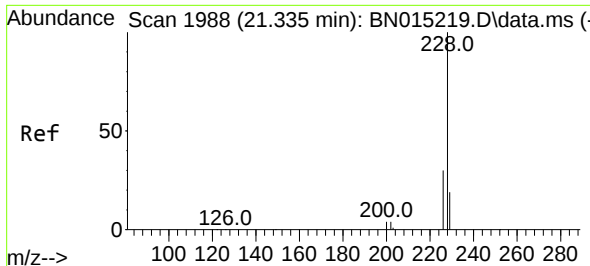
Tgt Ion:244 Resp: 103626  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.3 9.5  
 122 12.6 6.2 9.2#



#32  
 Benzo(a)anthracene  
 Concen: 0.05 ng  
 RT: 21.270 min Scan# 2005  
 Delta R.T. -0.011 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

Tgt Ion:228 Resp: 15649  
 Ion Ratio Lower Upper  
 228 100  
 226 28.0 23.0 34.6  
 229 19.7 15.7 23.5

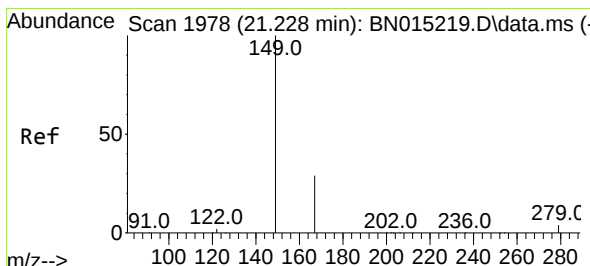
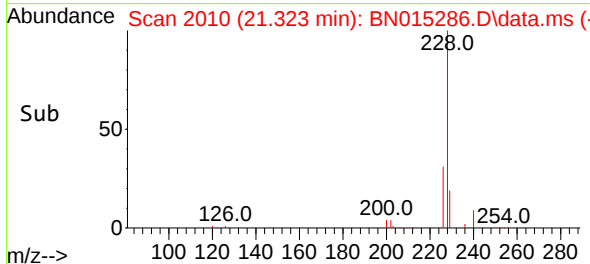
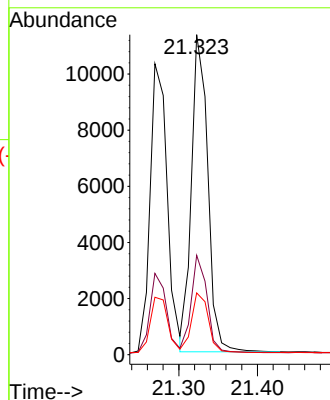
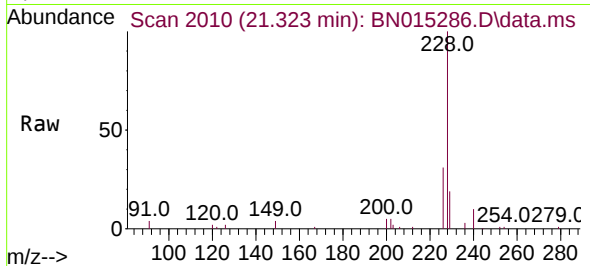




#33  
Chrysene  
Concen: 0.05 ng  
RT: 21.323 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

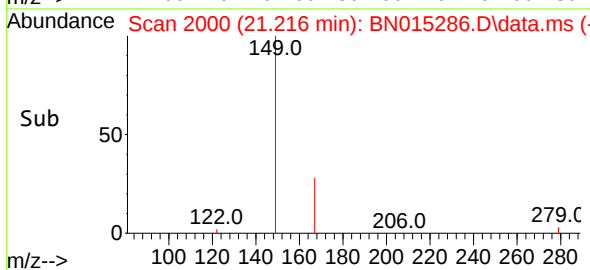
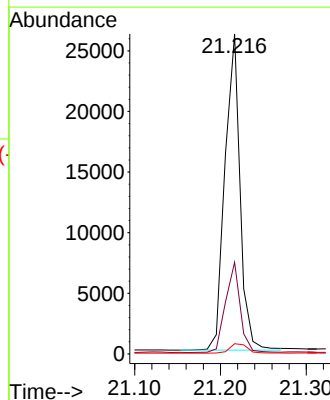
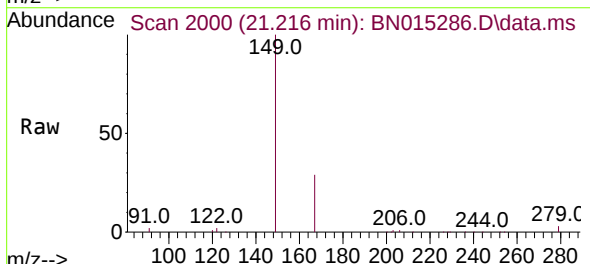
Instrument :  
BNA\_N  
ClientSampleId :  
DUP09-20210622

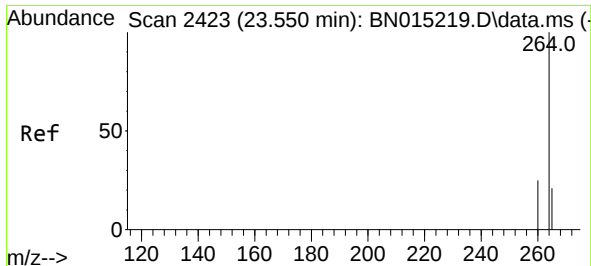
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 16393     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.0  | 25.0 37.6 |
| 229         | 19.3  | 15.9 23.9 |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.45 ng  
RT: 21.216 min Scan# 2000  
Delta R.T. -0.012 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:149 | Resp: | 31903      |
| Ion Ratio   | Lower | Upper      |
| 149         | 100   |            |
| 167         | 27.5  | 28.9 43.3# |
| 279         | 3.4   | 4.9 7.3#   |

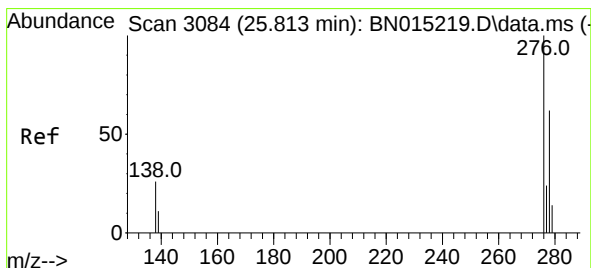
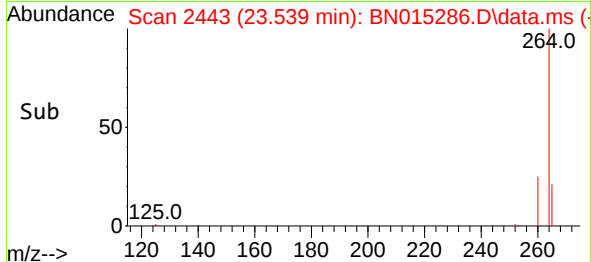
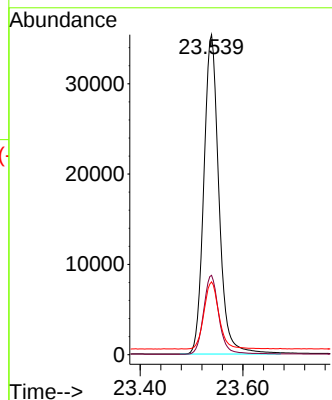
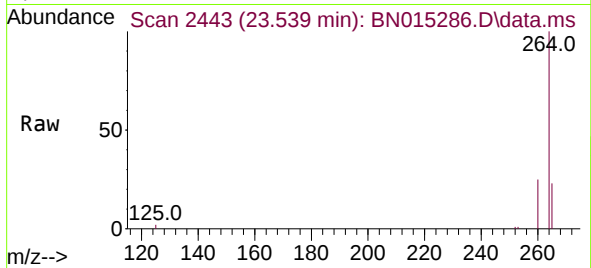




#35  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.539 min Scan# 2443  
 Delta R.T. -0.011 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

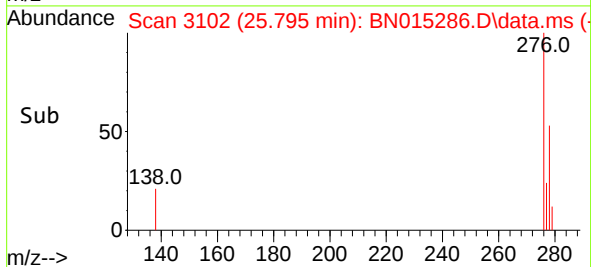
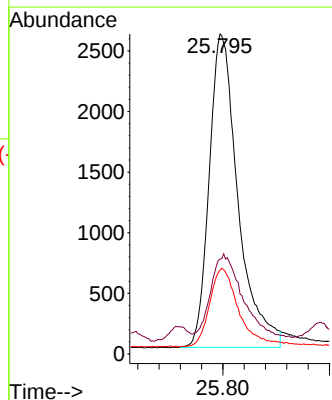
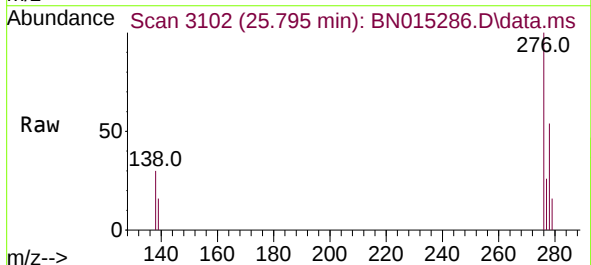
Instrument :  
 BNA\_N  
 ClientSampleId :  
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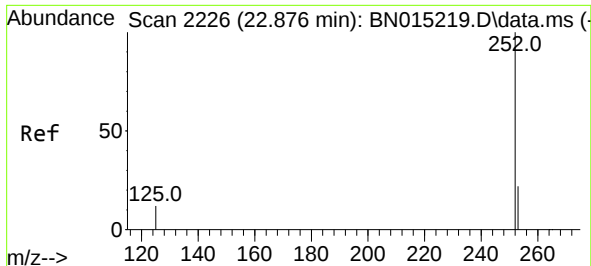
Tgt Ion:264 Resp: 72325  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 20.6 31.0  
 265 22.8 21.4 32.2



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.04 ng  
 RT: 25.795 min Scan# 3102  
 Delta R.T. -0.018 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

Tgt Ion:276 Resp: 9704  
 Ion Ratio Lower Upper  
 276 100  
 138 26.8 10.0 15.0#  
 277 25.4 20.4 30.6

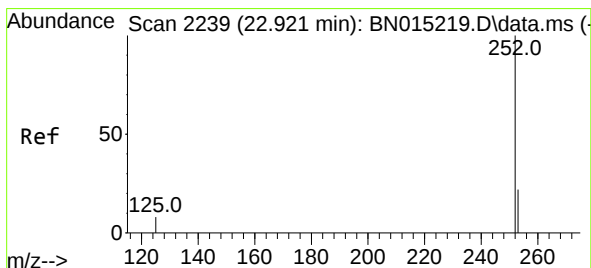
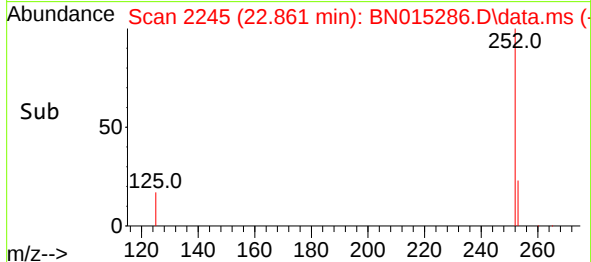
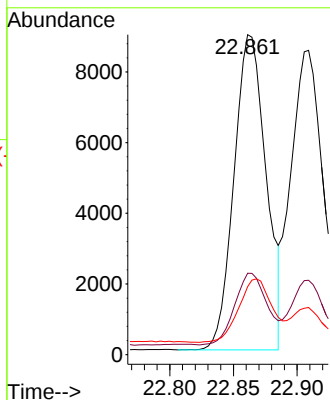
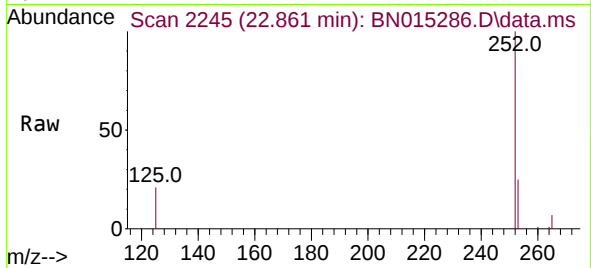




#37  
Benzo(b)fluoranthene  
Concen: 0.06 ng  
RT: 22.861 min Scan# 2245  
Delta R.T. -0.015 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

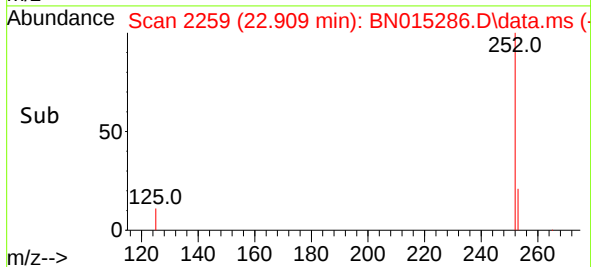
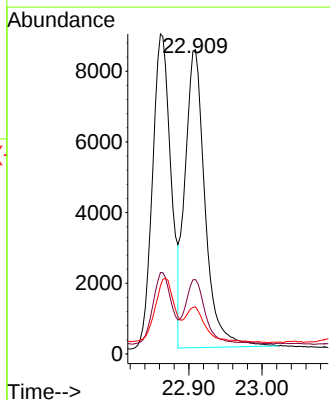
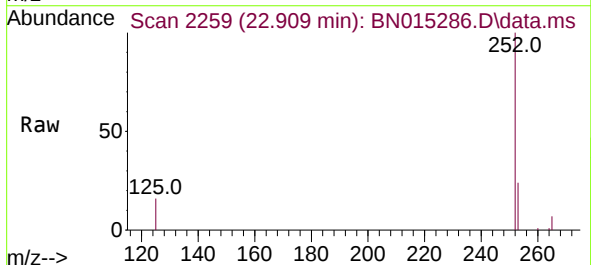
Instrument :  
BNA\_N  
ClientSampleId :  
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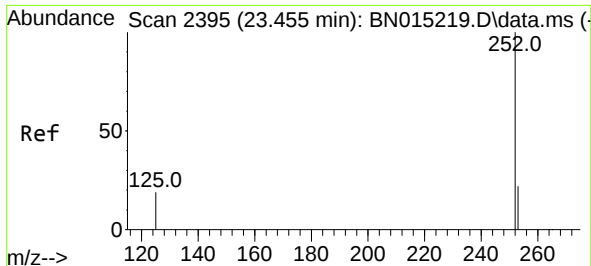
Tgt Ion:252 Resp: 15637  
Ion Ratio Lower Upper  
252 100  
253 25.5 18.5 27.7  
125 21.2 5.8 8.6#



#38  
Benzo(k)fluoranthene  
Concen: 0.05 ng  
RT: 22.909 min Scan# 2259  
Delta R.T. -0.012 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:252 Resp: 15965  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.1 28.7  
125 15.5 5.4 8.0#

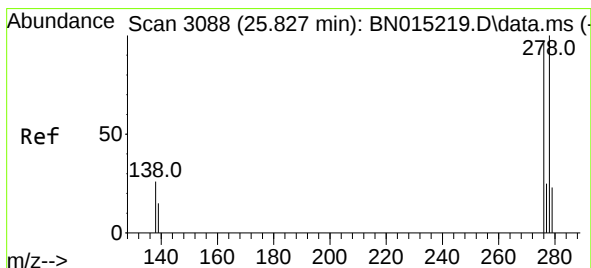
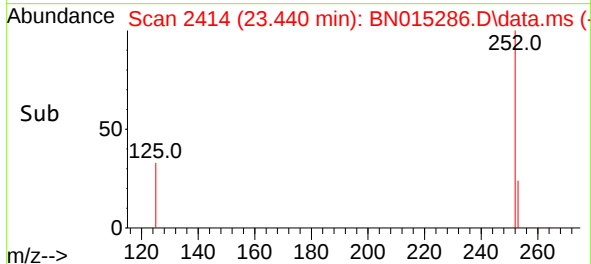
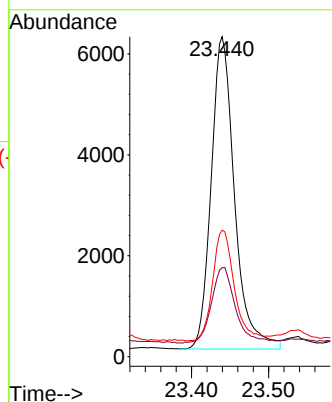
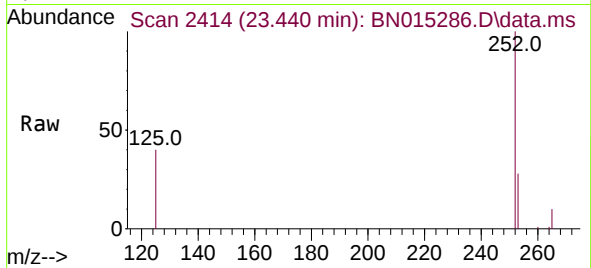




#39  
Benzo(a)pyrene  
Concen: 0.05 ng  
RT: 23.440 min Scan# 2414  
Delta R.T. -0.015 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

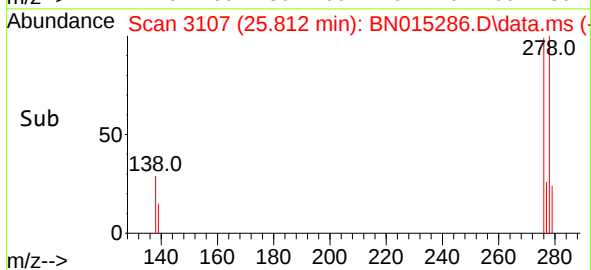
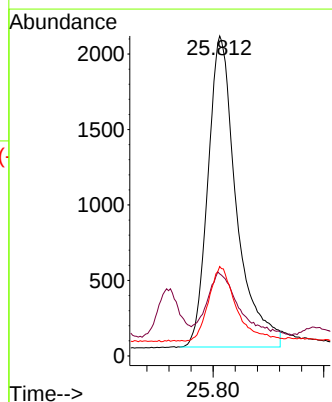
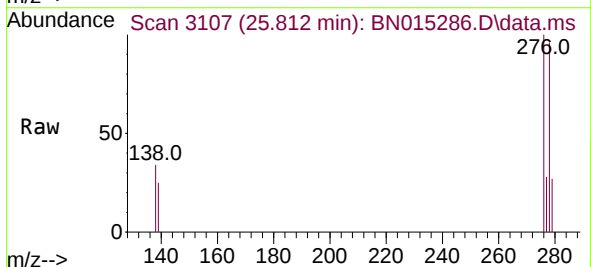
Instrument :  
BNA\_N  
ClientSampleId :  
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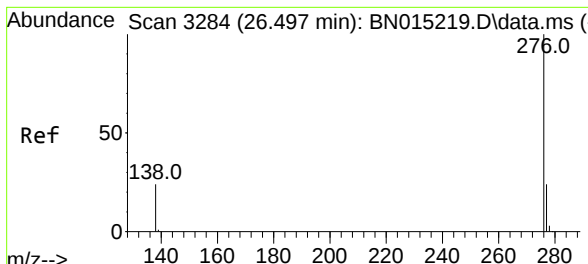
Tgt Ion:252 Resp: 13064  
Ion Ratio Lower Upper  
252 100  
253 27.8 19.4 29.2  
125 39.6 7.4 11.2#



#40  
Dibenzo(a,h)anthracene  
Concen: 0.04 ng  
RT: 25.812 min Scan# 3107  
Delta R.T. -0.015 min  
Lab File: BN015286.D  
Acq: 02 Jul 2021 07:56

Tgt Ion:278 Resp: 7354  
Ion Ratio Lower Upper  
278 100  
139 25.6 9.0 13.4#  
279 27.9 21.0 31.4





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.04 ng  
 RT: 26.486 min Scan# 3304  
 Delta R.T. -0.012 min  
 Lab File: BN015286.D  
 Acq: 02 Jul 2021 07:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP09-20210622

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 9340  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 25.4  | 19.7  | 29.5  |
| 138       | 28.2  | 9.8   | 14.6# |

