

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122320\  
 Data File : BN013281.D  
 Acq On : 22 Dec 2020 21:13  
 Operator : CG/JU  
 Sample : PB133574BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB133574BS

Quant Time: Dec 25 11:55:29 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 22 10:46:43 2020  
 Response via : Initial Calibration

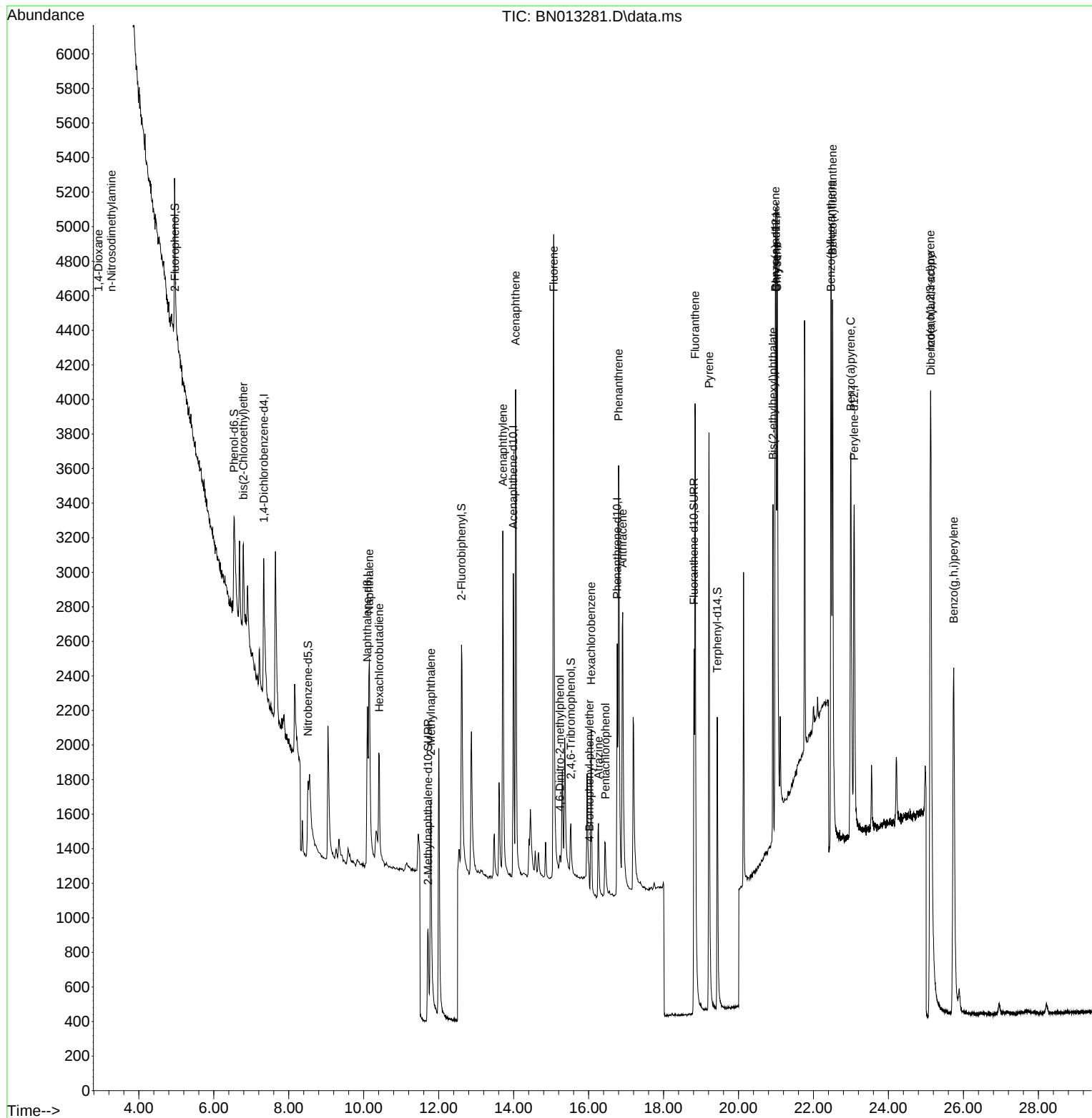
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.338  | 152  | 606      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.099 | 136  | 1973     | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 13.991 | 164  | 1251     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.763 | 188  | 2778     | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.995 | 240  | 2586     | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.085 | 264  | 2938     | 0.40 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 4.962  | 112  | 1000     | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.541  | 99   | 1002     | 0.40 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.515  | 82   | 805      | 0.40 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.715 | 152  | 1413     | 0.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.526 | 330  | 307      | 0.39 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.608 | 172  | 2049     | 0.39 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.811 | 212  | 3469     | 0.38 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.432 | 244  | 2712     | 0.41 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
|                               |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.925  | 88   | 430      | 0.41 | ng    | # 74     |
| 3) n-Nitrosodimethylamine     | 3.271  | 42   | 732      | 0.42 | ng    | # 83     |
| 6) bis(2-Chloroethyl)ether    | 6.790  | 93   | 542      | 0.35 | ng    | # 84     |
| 9) Naphthalene                | 10.150 | 128  | 2430     | 0.40 | ng    | # 93     |
| 10) Hexachlorobutadiene       | 10.416 | 225  | 551      | 0.43 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 11.791 | 142  | 1602     | 0.39 | ng    | 95       |
| 16) Acenaphthylene            | 13.712 | 152  | 2553     | 0.39 | ng    | 99       |
| 17) Acenaphthene              | 14.054 | 154  | 1701     | 0.41 | ng    | 93       |
| 18) Fluorene                  | 15.069 | 166  | 2232     | 0.41 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.234 | 198  | 159      | 0.39 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.021 | 248  | 193      | 0.36 | ng    | # 84     |
| 22) Hexachlorobenzene         | 16.070 | 284  | 710      | 0.37 | ng    | 99       |
| 23) Atrazine                  | 16.264 | 200  | 595      | 0.36 | ng    | # 89     |
| 24) Pentachlorophenol         | 16.447 | 266  | 266      | 0.33 | ng    | 95       |
| 25) Phenanthrene              | 16.800 | 178  | 3499     | 0.39 | ng    | 99       |
| 26) Anthracene                | 16.909 | 178  | 2937     | 0.37 | ng    | 100      |
| 28) Fluoranthene              | 18.841 | 202  | 4226     | 0.38 | ng    | 99       |
| 30) Pyrene                    | 19.213 | 202  | 4234     | 0.42 | ng    | 99       |
| 32) Benzo(a)anthracene        | 20.984 | 228  | 3177     | 0.35 | ng    | 97       |
| 33) Chrysene                  | 21.027 | 228  | 4218     | 0.44 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 20.921 | 149  | 1832     | 0.13 | ng    | 99       |
| 35) Indeno(1,2,3-cd)pyrene    | 25.122 | 276  | 5542     | 0.42 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 22.469 | 252  | 4375     | 0.42 | ng    | # 89     |
| 38) Benzo(k)fluoranthene      | 22.510 | 252  | 4903     | 0.41 | ng    | # 91     |
| 39) Benzo(a)pyrene            | 22.996 | 252  | 4310     | 0.42 | ng    | # 87     |
| 40) Dibenzo(a,h)anthracene    | 25.132 | 278  | 4512     | 0.40 | ng    | # 89     |
| 41) Benzo(g,h,i)perylene      | 25.741 | 276  | 5056     | 0.42 | ng    | # 92     |
| -----                         |        |      |          |      |       |          |

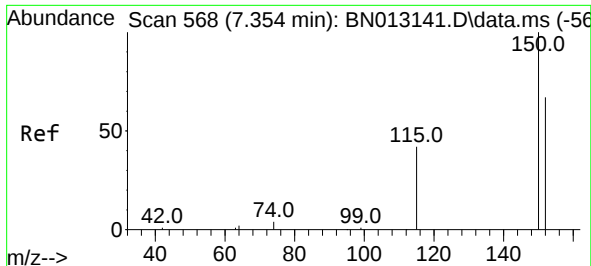
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122320\  
Data File : BN013281.D  
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Sample : PB133574BS  
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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 22 10:46:43 2020  
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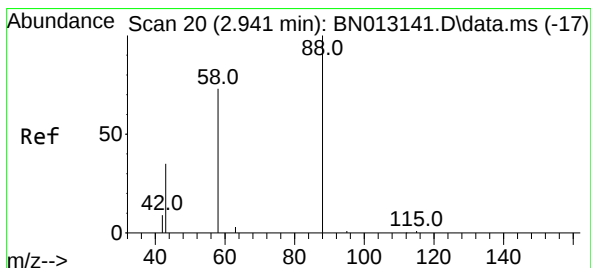
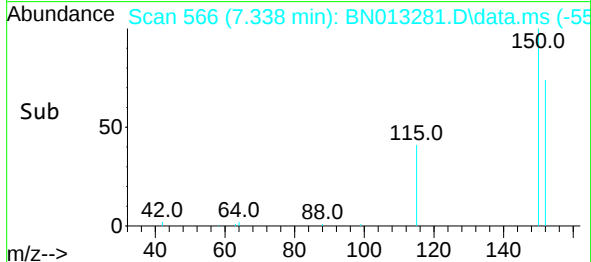
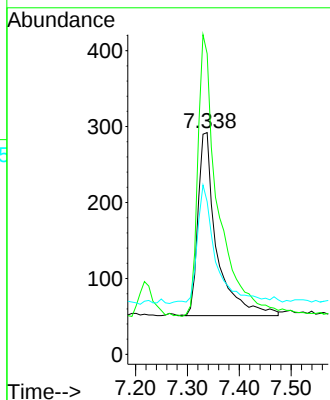
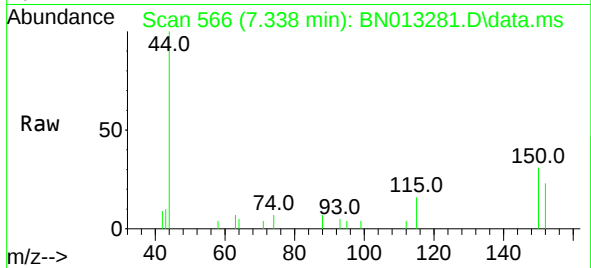




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.338 min Scan# 566  
 Delta R.T. 0.008 min  
 Lab File: BN013281.D  
 Acq: 22 Dec 2020 21:13

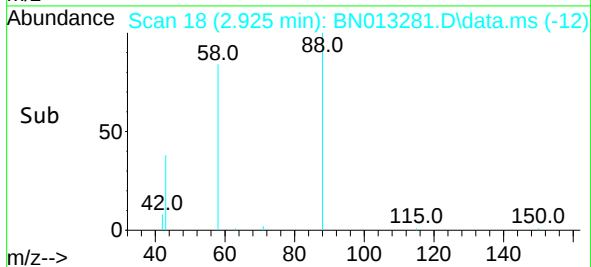
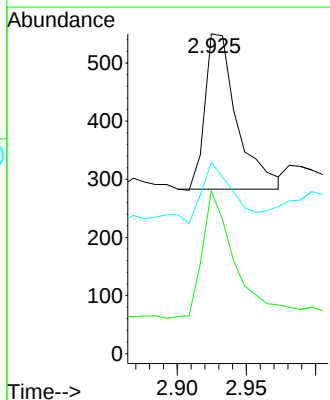
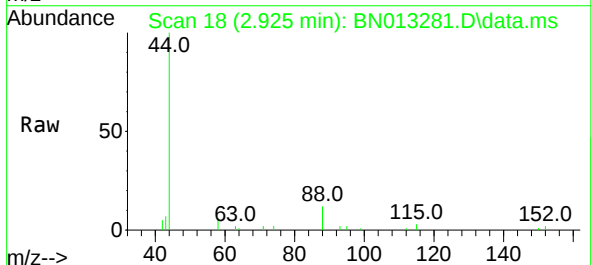
Instrument :  
 BNA\_N  
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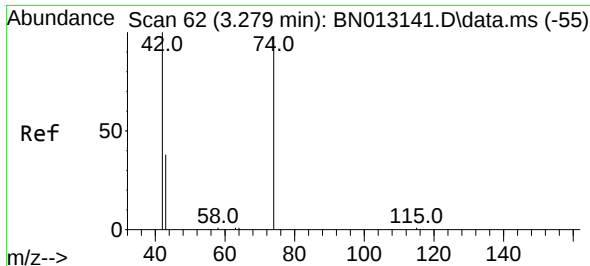
Tgt Ion:152 Resp: 606  
 Ion Ratio Lower Upper  
 152 100  
 150 135.6 116.6 174.8  
 115 68.8 52.9 79.3



#2  
 1,4-Dioxane  
 Concen: 0.41 ng  
 RT: 2.925 min Scan# 18  
 Delta R.T. 0.000 min  
 Lab File: BN013281.D  
 Acq: 22 Dec 2020 21:13

Tgt Ion: 88 Resp: 430  
 Ion Ratio Lower Upper  
 88 100  
 58 97.4 59.4 89.2#  
 43 25.8 32.3 48.5#

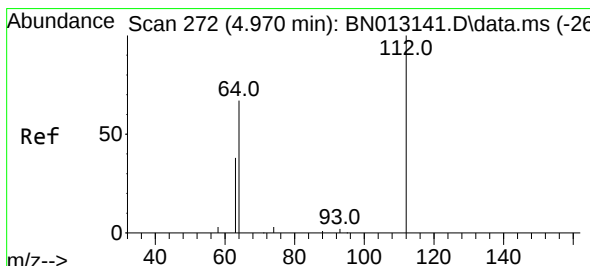
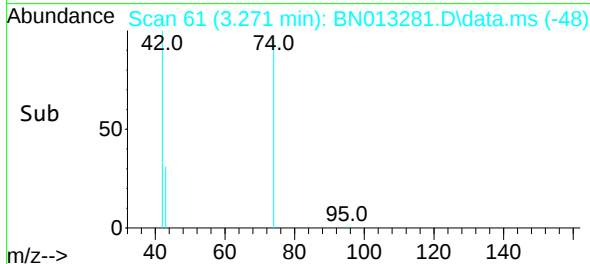
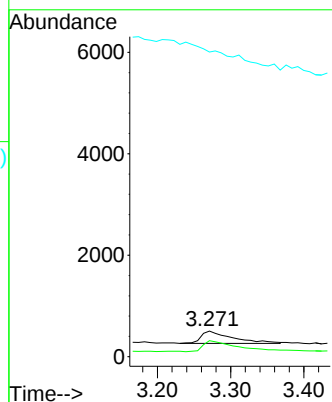
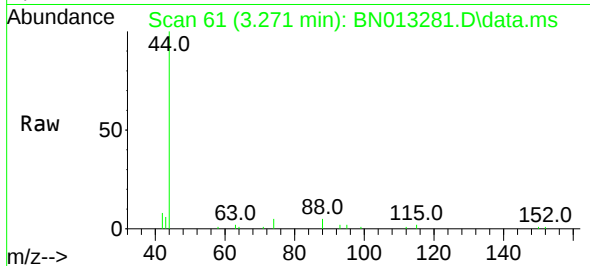




#3  
n-Nitrosodimethylamine  
Concen: 0.42 ng  
RT: 3.271 min Scan# 61  
Delta R.T. 0.008 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

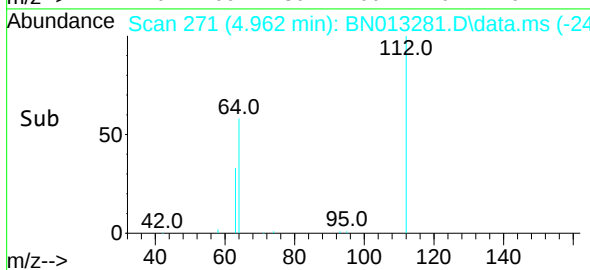
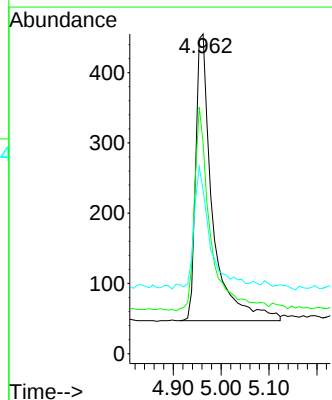
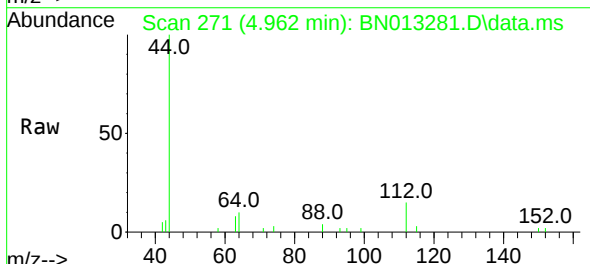
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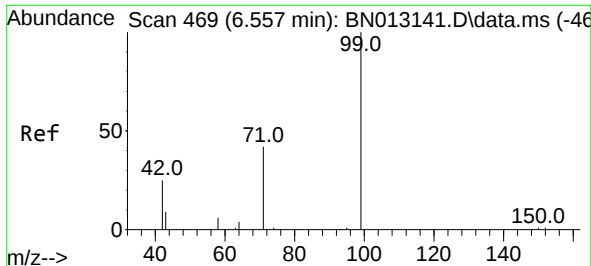
Tgt Ion: 42 Resp: 732  
Ion Ratio Lower Upper  
42 100  
74 96.0 64.4 96.6  
44 0.0 2.8 4.2#



#4  
2-Fluorophenol  
Concen: 0.40 ng  
RT: 4.962 min Scan# 271  
Delta R.T. 0.008 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion: 112 Resp: 1000  
Ion Ratio Lower Upper  
112 100  
64 67.8 49.5 74.3  
63 40.9 32.0 48.0

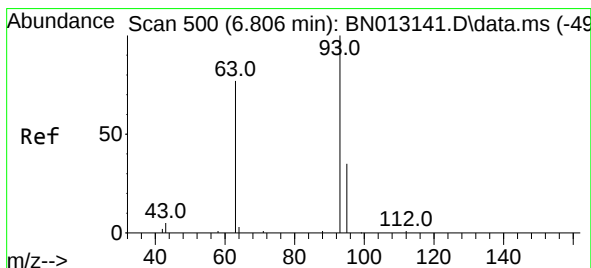
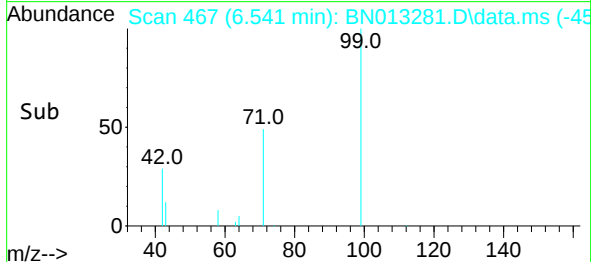
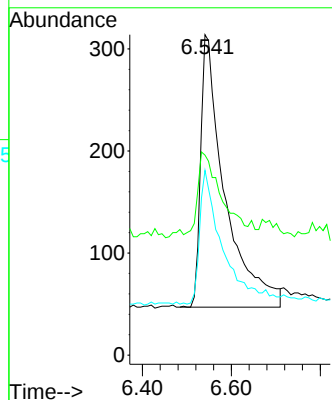
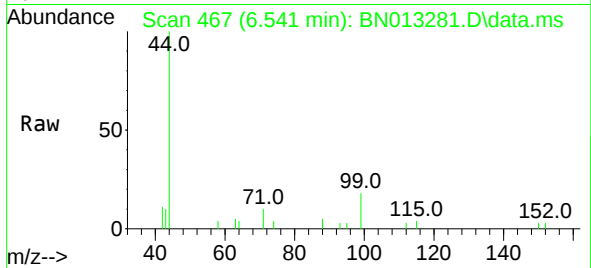




#5  
Phenol-d6  
Concen: 0.40 ng  
RT: 6.541 min Scan# 467  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

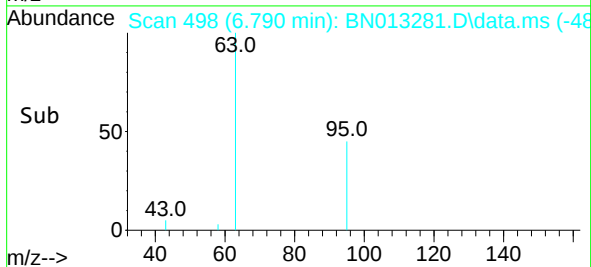
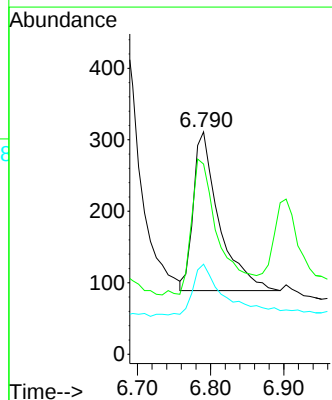
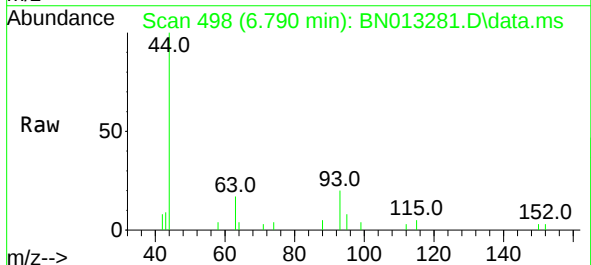
Instrument :  
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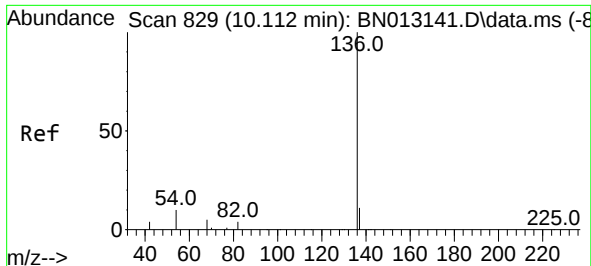
|             |             |
|-------------|-------------|
| Tgt Ion: 99 | Resp: 1002  |
| Ion Ratio   | Lower Upper |
| 99 100      |             |
| 42 29.6     | 22.4 33.6   |
| 71 47.4     | 37.8 56.6   |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.35 ng  
RT: 6.790 min Scan# 498  
Delta R.T. 0.008 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 542   |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 92.6     | 63.1 94.7   |
| 95 43.0     | 26.1 39.1   |

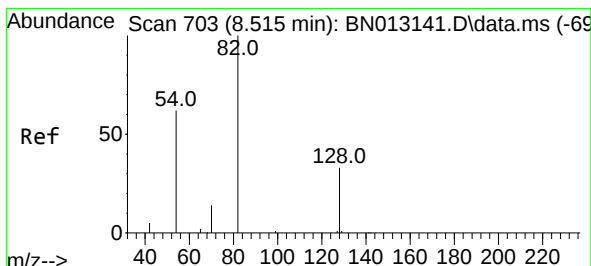
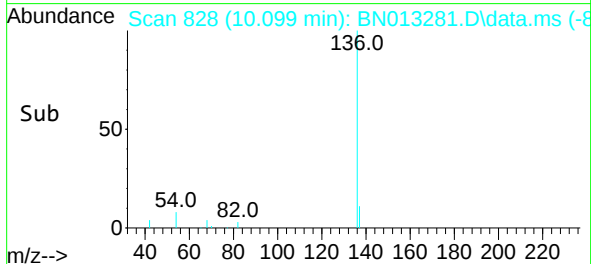
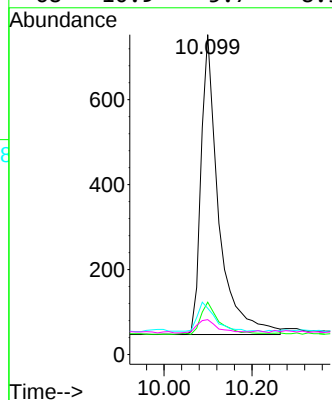
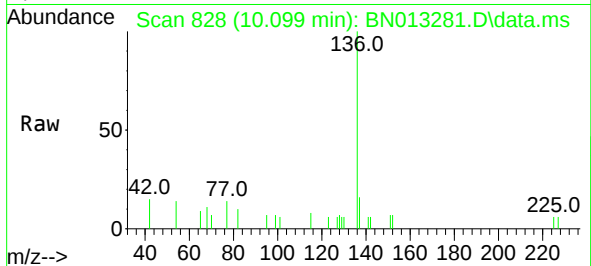




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.099 min Scan# 828  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

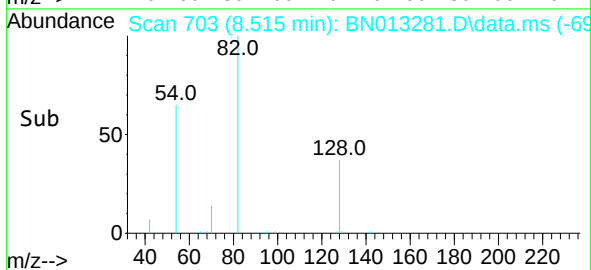
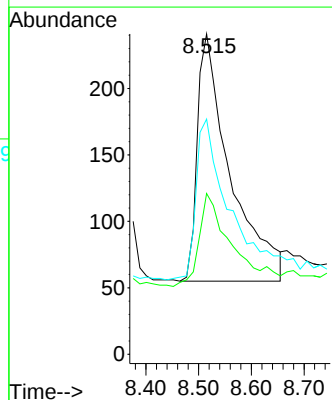
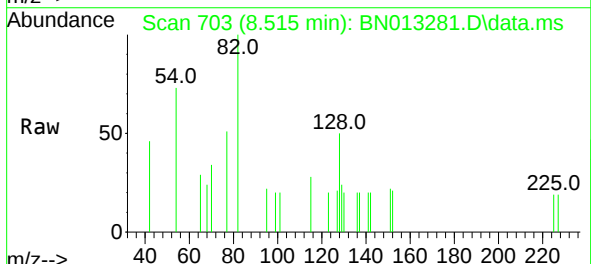
Instrument :  
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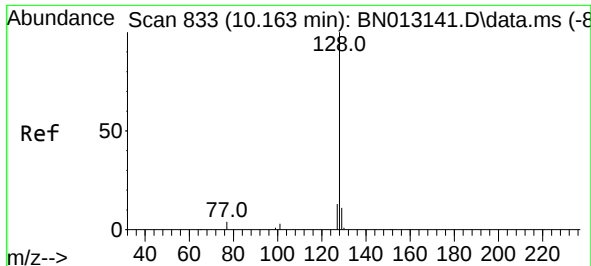
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|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 1973  |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 16.3  | 10.6  | 15.8# |
| 54        | 14.5  | 8.6   | 12.8# |
| 68        | 10.9  | 5.7   | 8.5#  |



#8  
Nitrobenzene-d5  
Concen: 0.40 ng  
RT: 8.515 min Scan# 703  
Delta R.T. 0.013 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 805   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 50.2  | 30.6  | 46.0# |
| 54        | 73.4  | 48.3  | 72.5# |

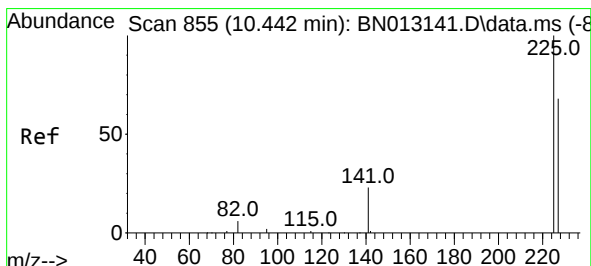
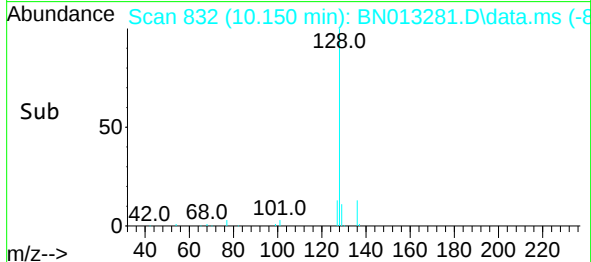
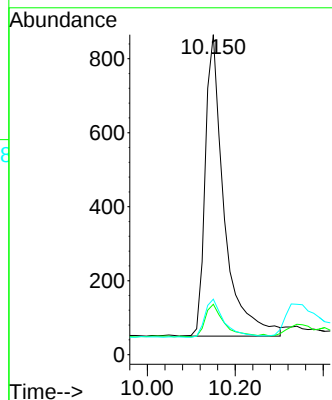
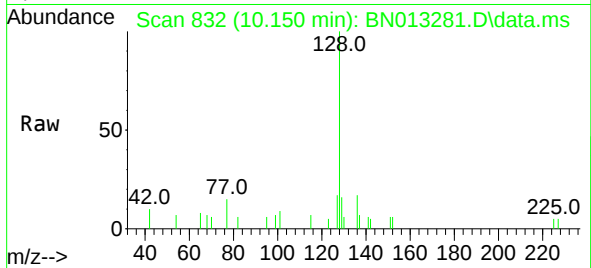




#9  
Naphthalene  
Concen: 0.40 ng  
RT: 10.150 min Scan# 832  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

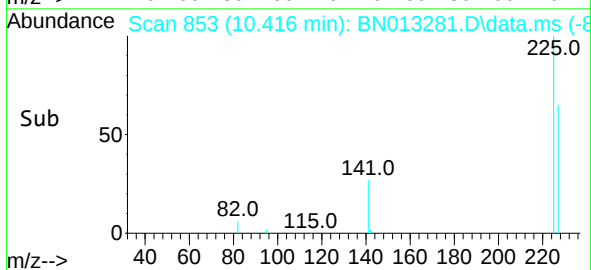
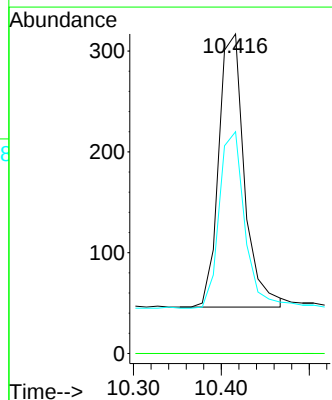
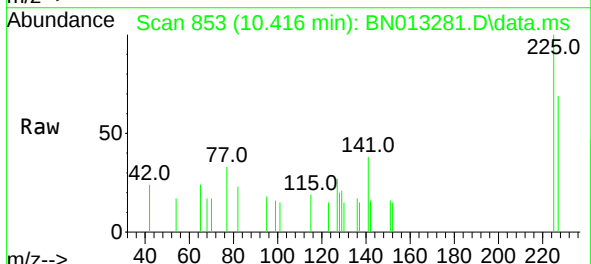
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

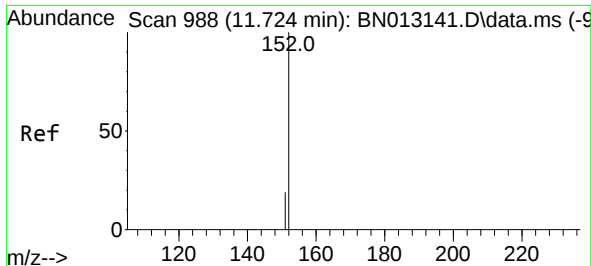
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Ion Ratio Lower Upper  
128 100  
129 15.7 9.8 14.8#  
127 17.3 12.2 18.4



#10  
Hexachlorobutadiene  
Concen: 0.43 ng  
RT: 10.416 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:225 Resp: 551  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.1 51.0 76.6

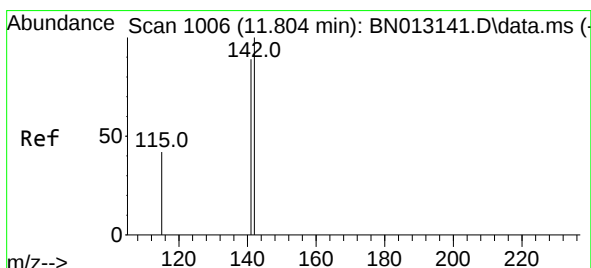
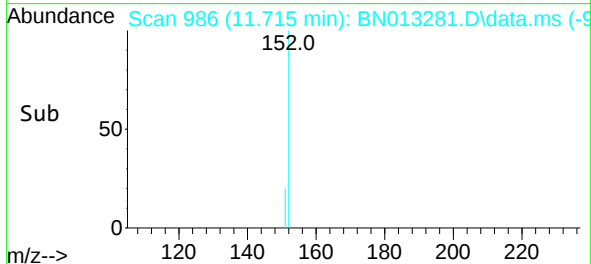
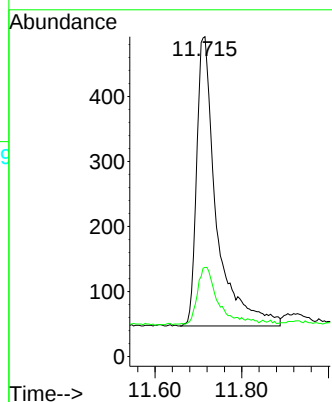
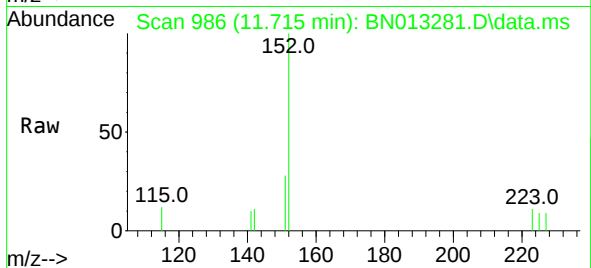




#11  
2-Methylnaphthalene-d10  
Concen: 0.41 ng  
RT: 11.715 min Scan# 986  
Delta R.T. 0.009 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

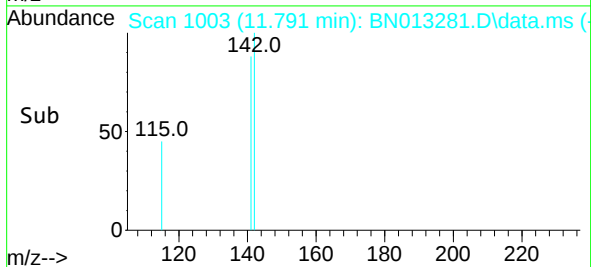
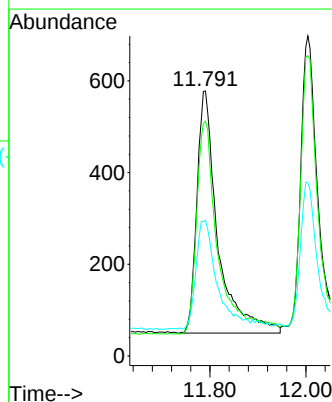
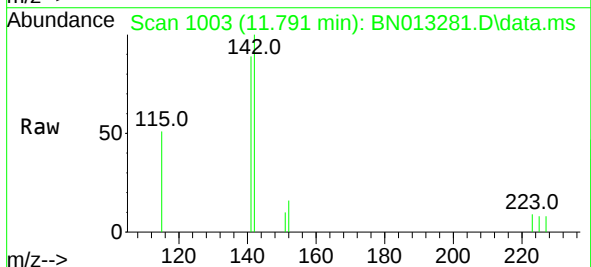
Instrument :  
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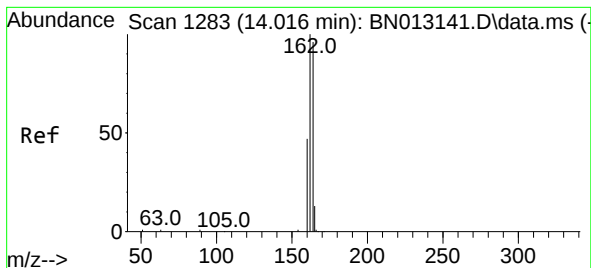
Tgt Ion:152 Resp: 1413  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.7 25.1



#12  
2-Methylnaphthalene  
Concen: 0.39 ng  
RT: 11.791 min Scan# 1003  
Delta R.T. 0.004 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:142 Resp: 1602  
Ion Ratio Lower Upper  
142 100  
141 88.6 69.4 104.2  
115 51.2 35.7 53.5

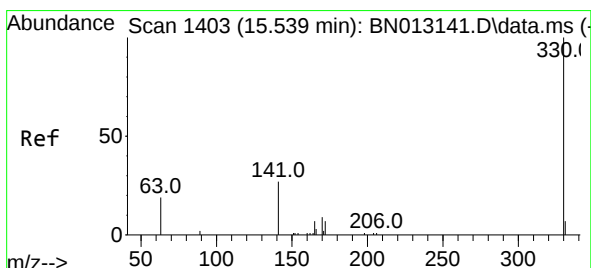
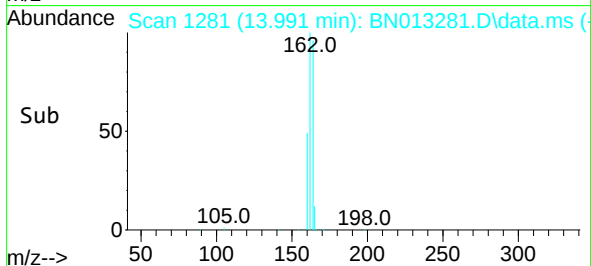
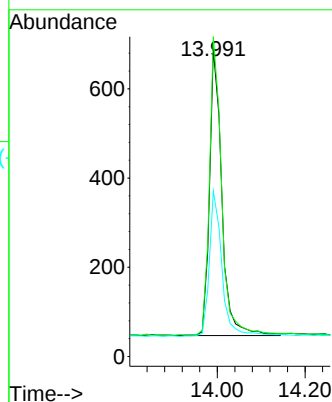
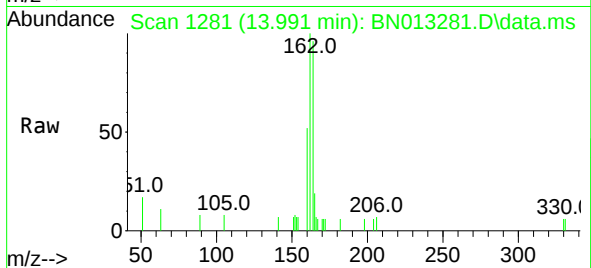




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 13.991 min Scan# 1281  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

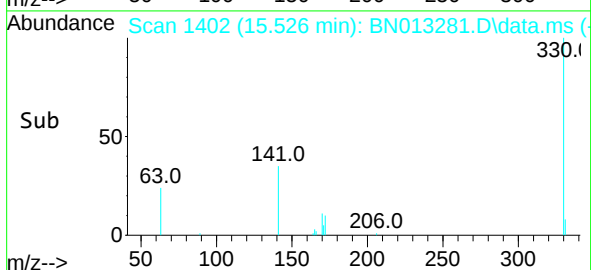
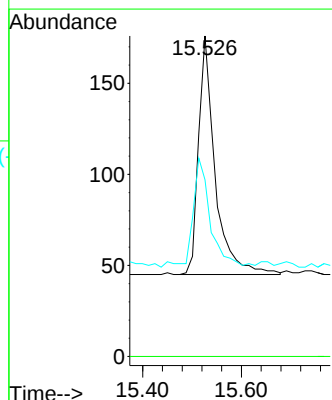
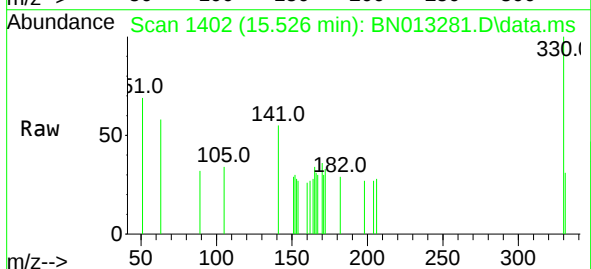
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

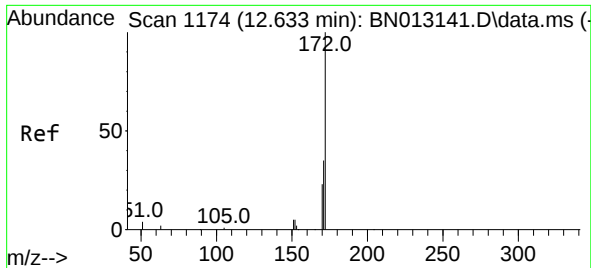
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 1251  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 104.2 | 80.6  | 120.8 |
| 160      | 53.9  | 39.5  | 59.3  |



#14  
2,4,6-Tribromophenol  
Concen: 0.39 ng  
RT: 15.526 min Scan# 1402  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 307   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 0.0   | 0.0   | 0.0   |
| 141      | 43.3  | 34.4  | 51.6  |

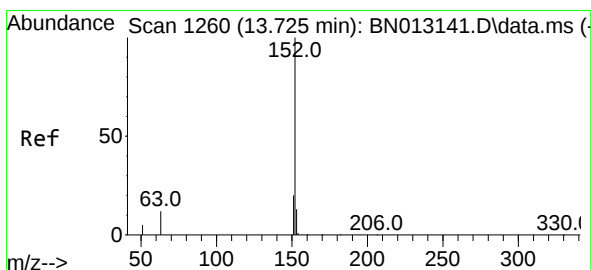
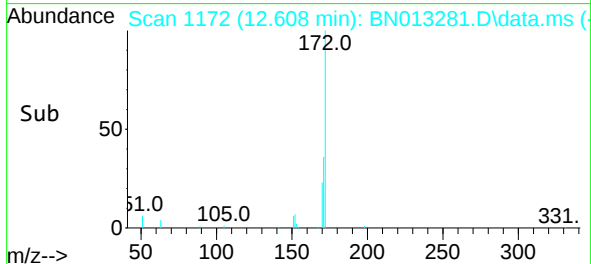
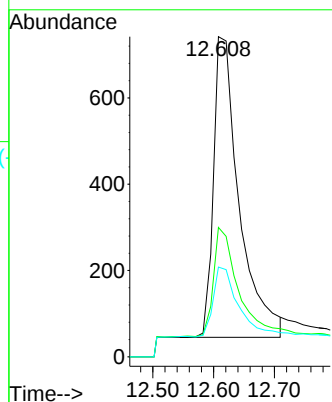
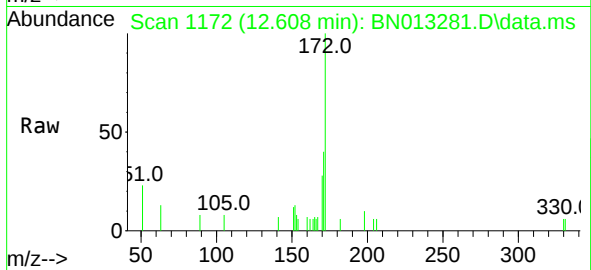




#15  
2-Fluorobiphenyl  
Concen: 0.39 ng  
RT: 12.608 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

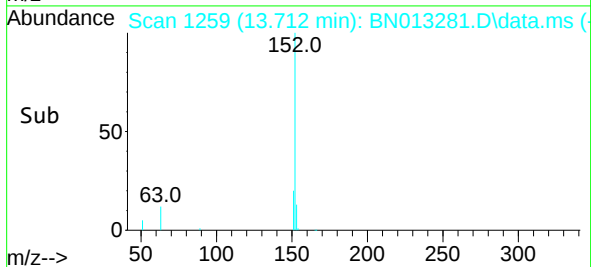
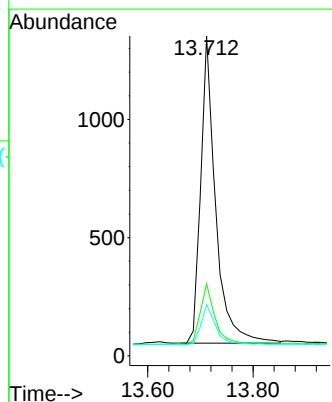
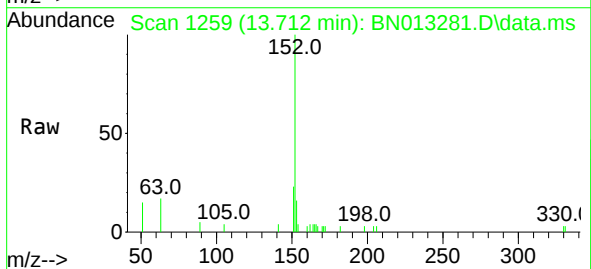
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

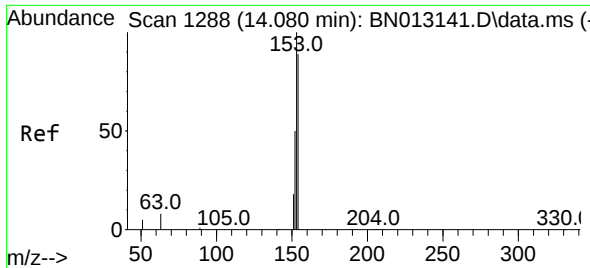
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 2049 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 40.4  | 28.2  | 42.4 |
| 170       | 28.0  | 20.0  | 30.0 |



#16  
Acenaphthylene  
Concen: 0.39 ng  
RT: 13.712 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 2553 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.3  | 15.8  | 23.8 |
| 153       | 13.2  | 10.6  | 16.0 |

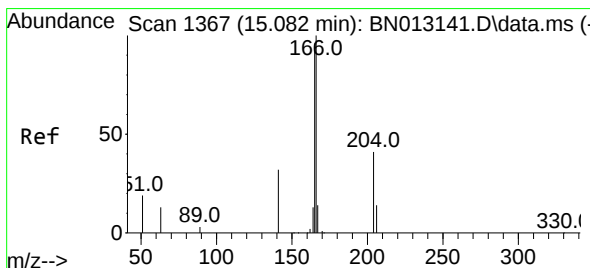
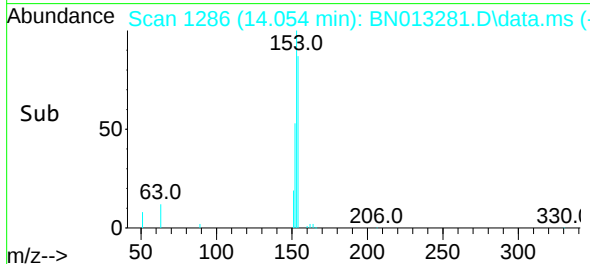
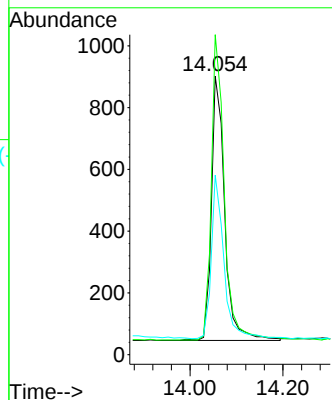
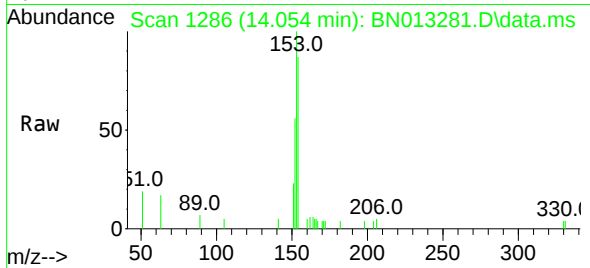




#17  
Acenaphthene  
Concen: 0.41 ng  
RT: 14.054 min Scan# 1286  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

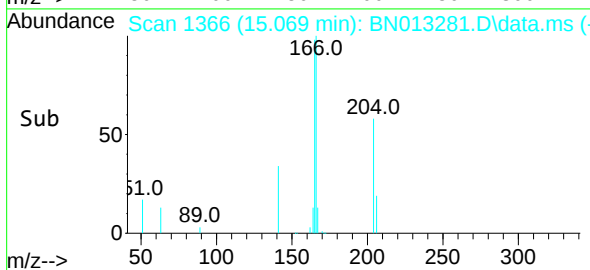
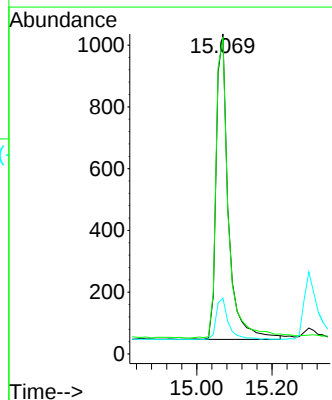
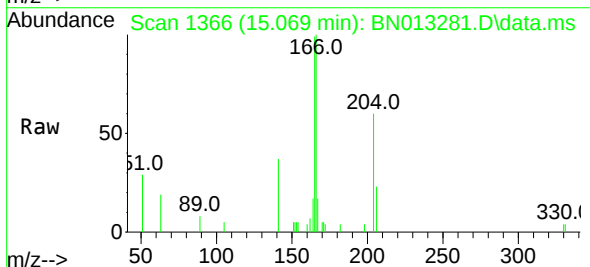
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

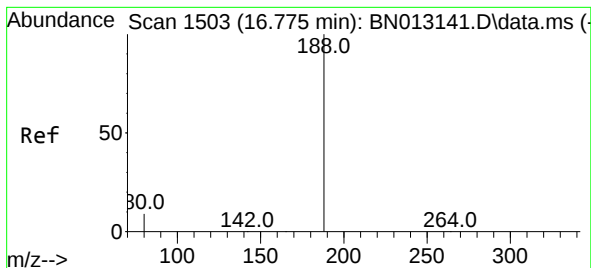
Tgt Ion:154 Resp: 1701  
Ion Ratio Lower Upper  
154 100  
153 112.0 83.6 125.4  
152 58.8 43.9 65.9



#18  
Fluorene  
Concen: 0.41 ng  
RT: 15.069 min Scan# 1366  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:166 Resp: 2232  
Ion Ratio Lower Upper  
166 100  
165 98.7 78.6 118.0  
167 13.6 10.7 16.1

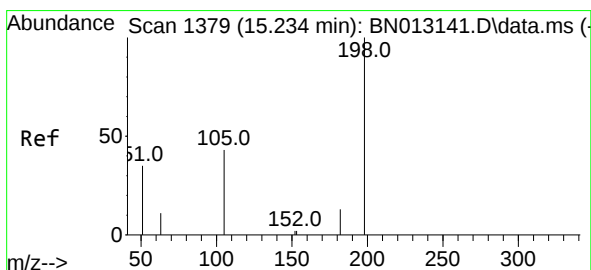
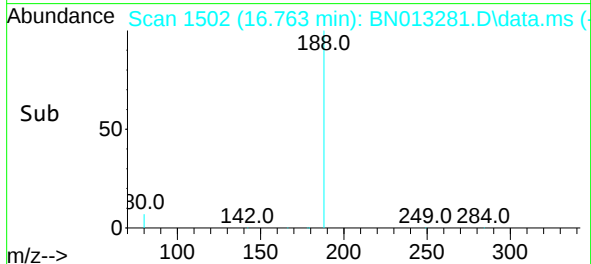
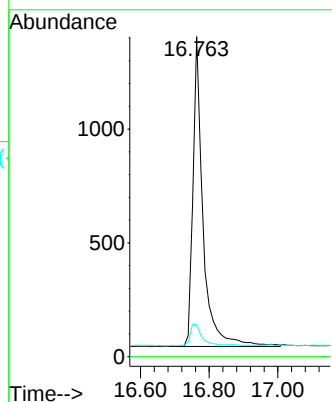
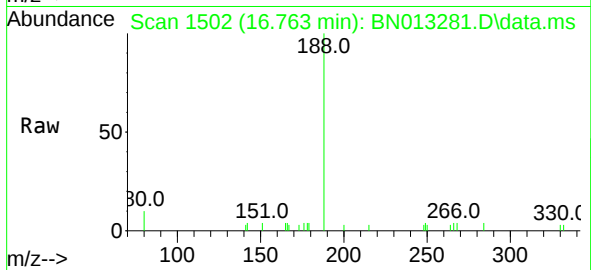




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.763 min Scan# 1502  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

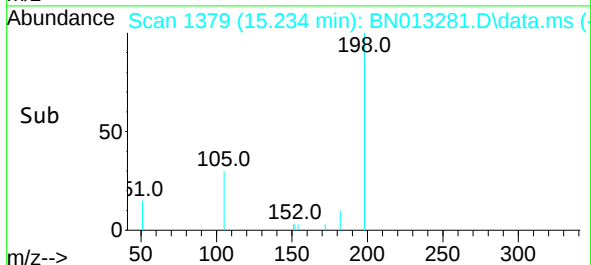
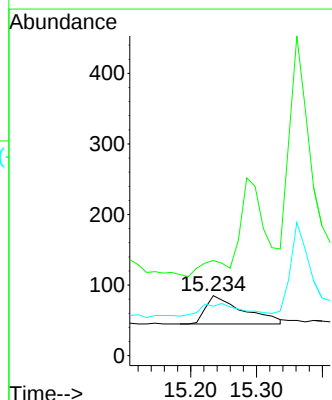
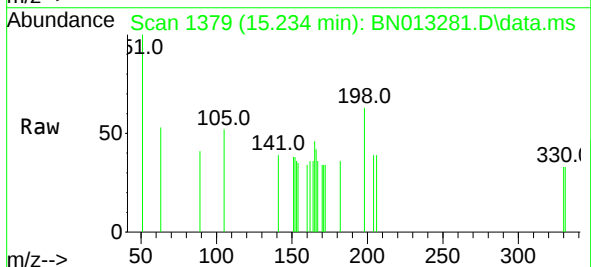
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

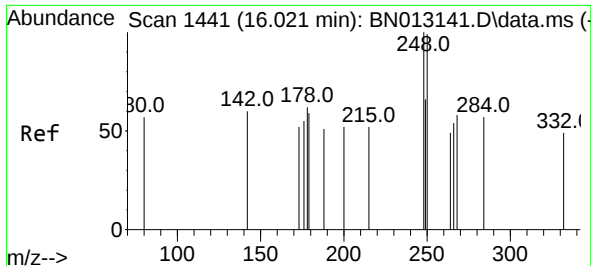
Tgt Ion:188 Resp: 2778  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.0 5.0 7.4#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.39 ng  
RT: 15.234 min Scan# 1379  
Delta R.T. 0.013 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:198 Resp: 159  
Ion Ratio Lower Upper  
198 100  
51 158.8 43.5 65.3#  
105 82.4 27.2 40.8#

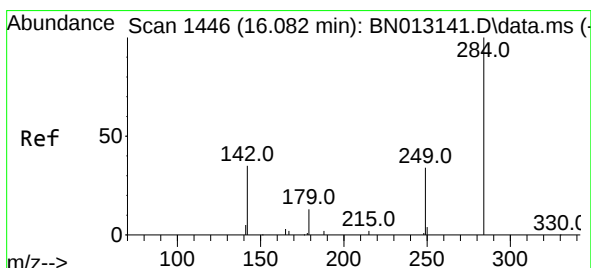
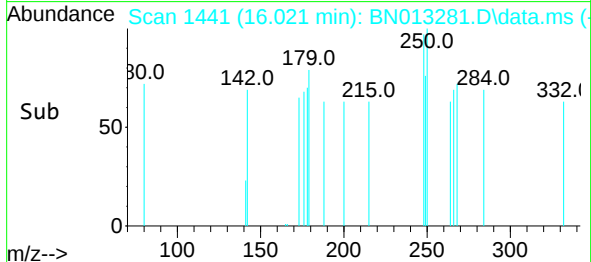
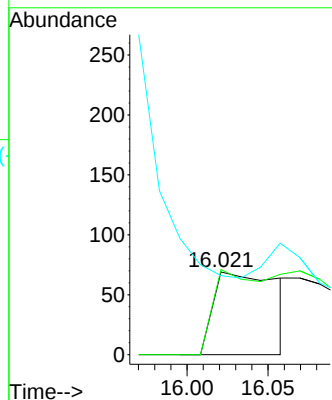
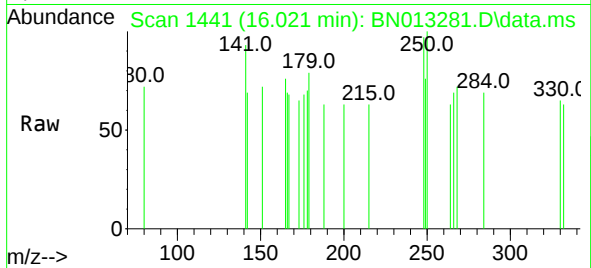




#21  
4-Bromophenyl-phenylether  
Concen: 0.36 ng  
RT: 16.021 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

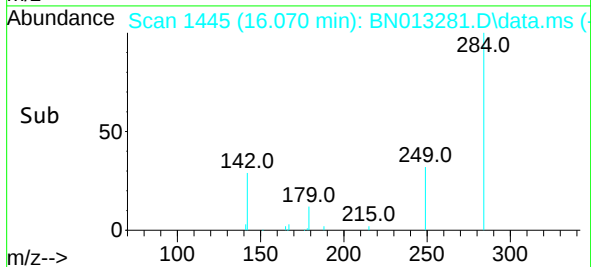
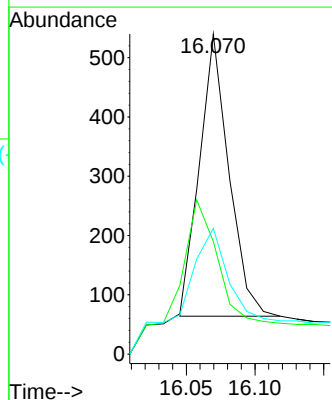
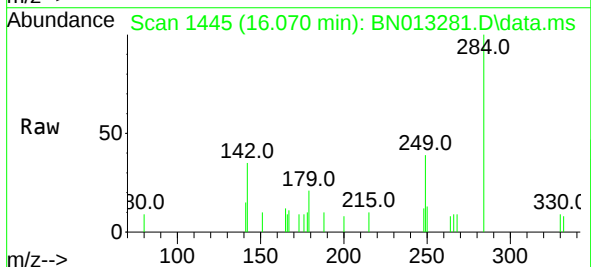
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

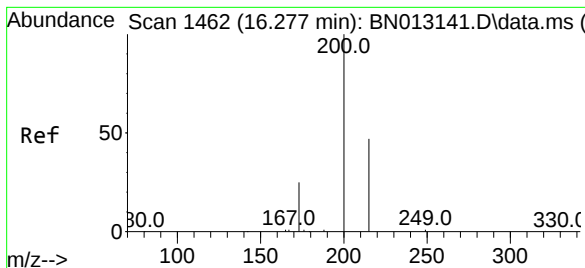
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:248 | Resp: | 193        |
| Ion Ratio   | Lower | Upper      |
| 248         | 100   |            |
| 250         | 102.9 | 77.3 115.9 |
| 141         | 95.7  | 57.8 86.8# |



#22  
Hexachlorobenzene  
Concen: 0.37 ng  
RT: 16.070 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:284 | Resp: | 710       |
| Ion Ratio   | Lower | Upper     |
| 284         | 100   |           |
| 142         | 40.1  | 32.0 48.0 |
| 249         | 35.2  | 27.0 40.6 |





#23

Atrazine

Concen: 0.36 ng

RT: 16.264 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

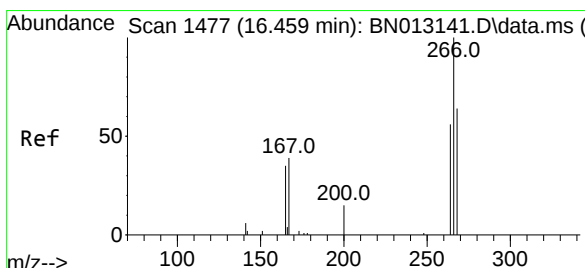
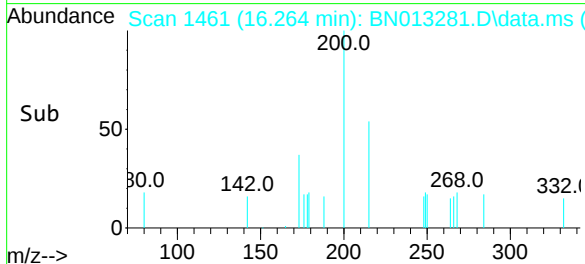
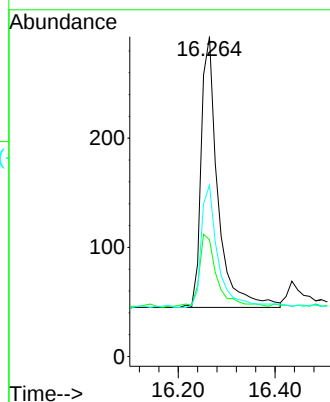
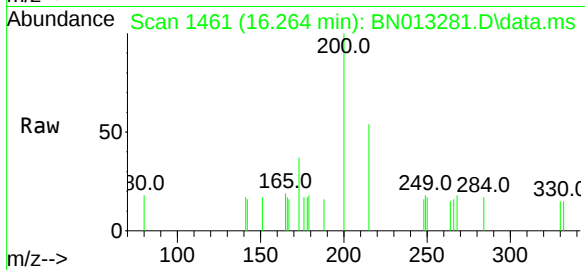
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 595   |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 36.5  | 22.8  | 34.2# |
| 215       | 53.6  | 38.1  | 57.1  |

Instrument :

BNA\_N

ClientSampleId :

PB133574BS



#24

Pentachlorophenol

Concen: 0.33 ng

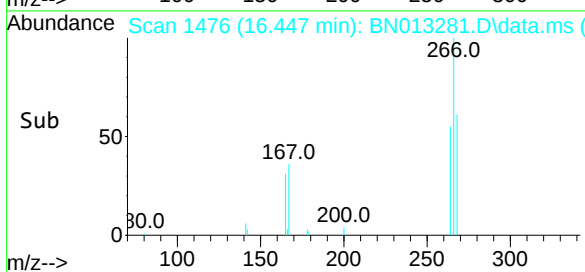
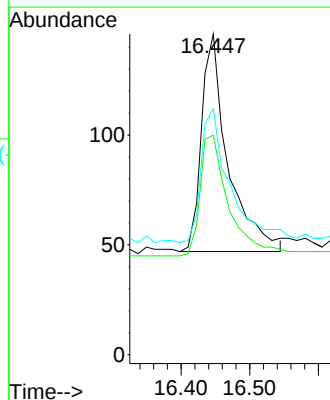
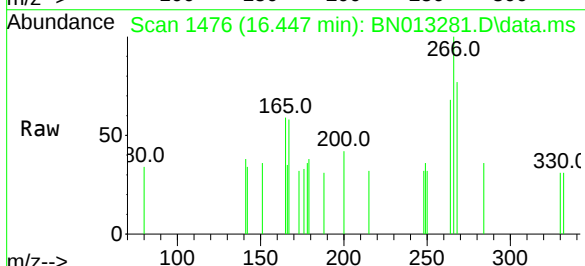
RT: 16.447 min Scan# 1476

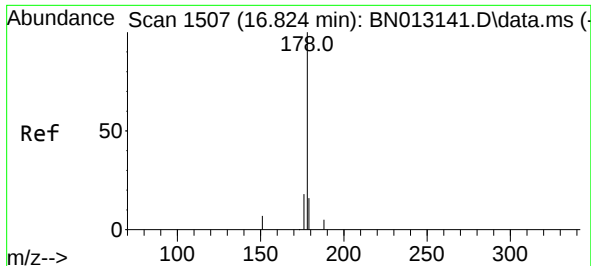
Delta R.T. 0.012 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 266  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 60.5  | 50.9  | 76.3 |
| 268       | 68.4  | 51.5  | 77.3 |

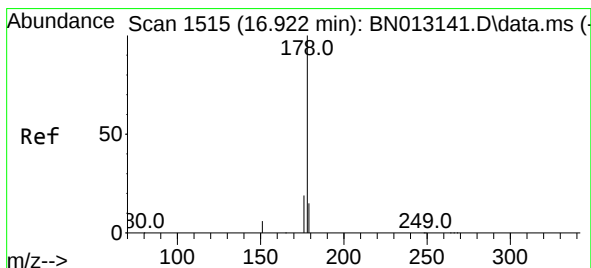
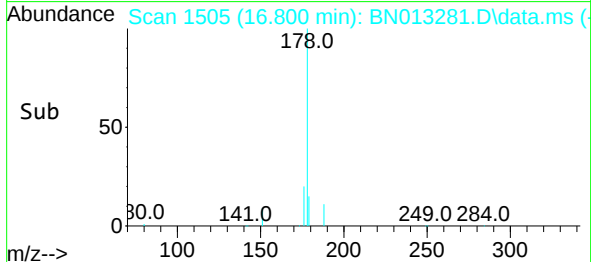
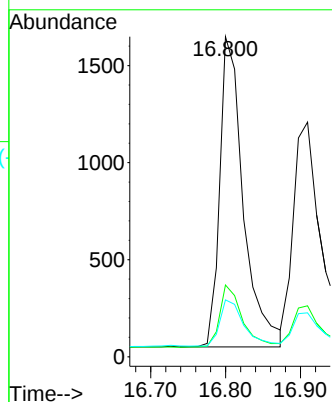
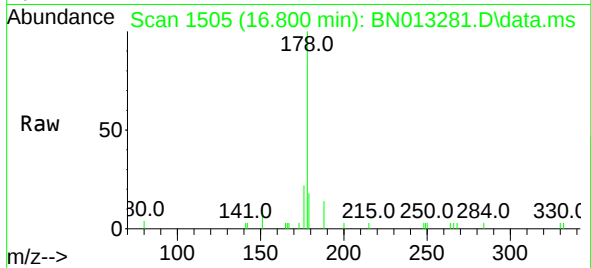




#25  
Phenanthrene  
Concen: 0.39 ng  
RT: 16.800 min Scan# 1505  
Delta R.T. -0.012 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

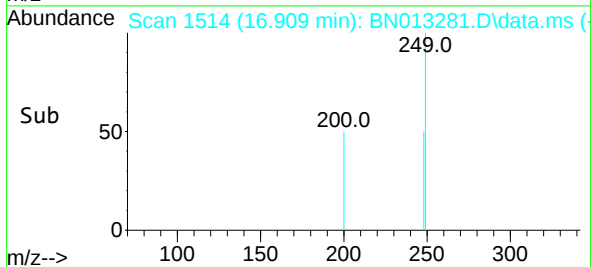
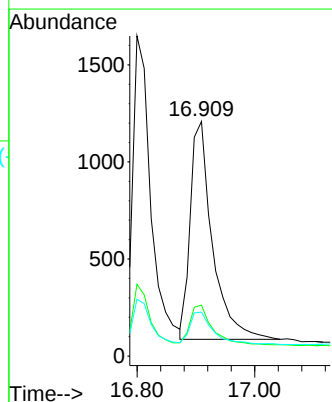
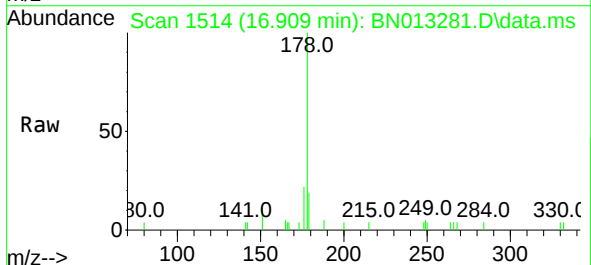
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

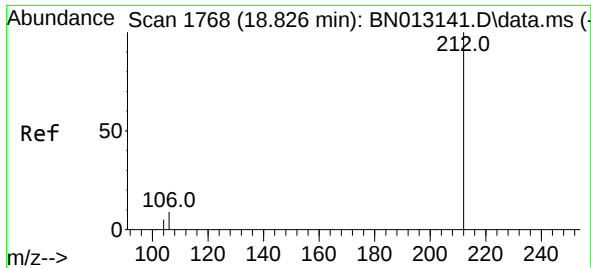
Tgt Ion:178 Resp: 3499  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.8 22.2  
179 15.4 12.4 18.6



#26  
Anthracene  
Concen: 0.37 ng  
RT: 16.909 min Scan# 1514  
Delta R.T. 0.012 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:178 Resp: 2937  
Ion Ratio Lower Upper  
178 100  
176 18.2 14.8 22.2  
179 15.7 12.5 18.7

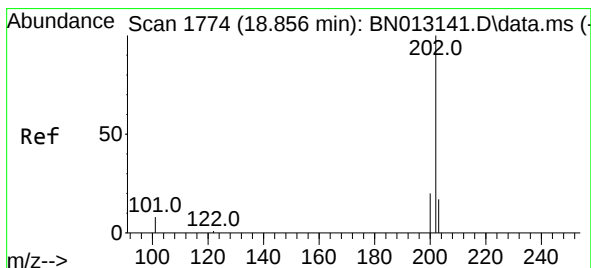
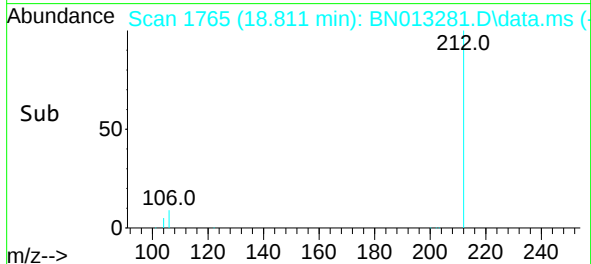
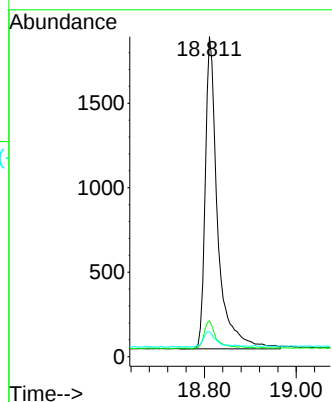
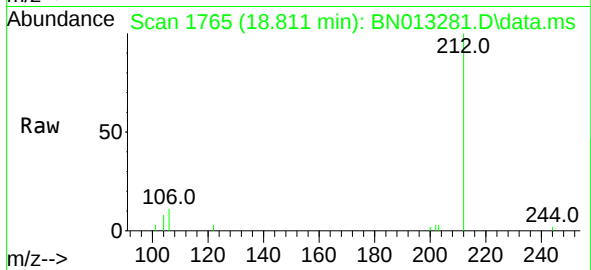




#27  
Fluoranthene-d10  
Concen: 0.38 ng  
RT: 18.811 min Scan# 1765  
Delta R.T. -0.005 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

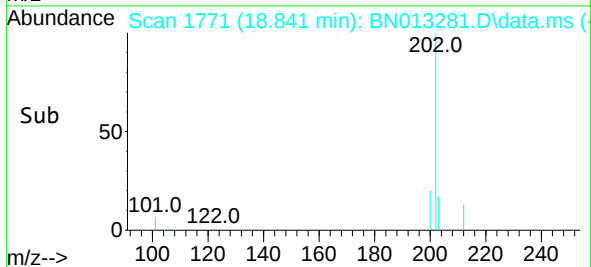
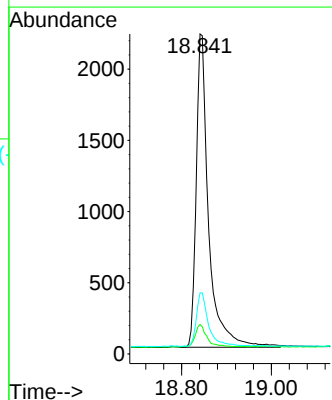
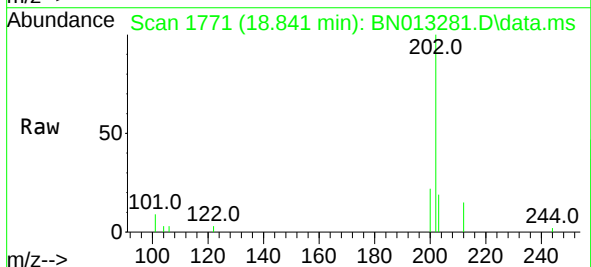
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

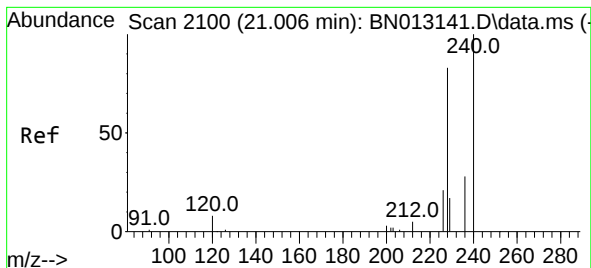
Tgt Ion:212 Resp: 3469  
Ion Ratio Lower Upper  
212 100  
106 8.6 6.8 10.2  
104 5.0 4.1 6.1



#28  
Fluoranthene  
Concen: 0.38 ng  
RT: 18.841 min Scan# 1771  
Delta R.T. -0.005 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:202 Resp: 4226  
Ion Ratio Lower Upper  
202 100  
101 6.7 5.8 8.6  
203 16.8 13.7 20.5





#29

Chrysene-d12

Concen: 0.40 ng

RT: 20.995 min Scan# 2099

Delta R.T. 0.000 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

Tgt Ion:240 Resp: 2586

Ion Ratio Lower Upper

240 100

120 11.8 5.3 7.9#

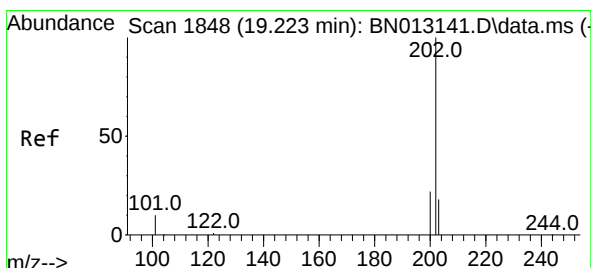
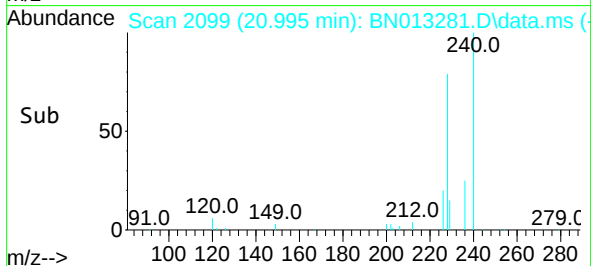
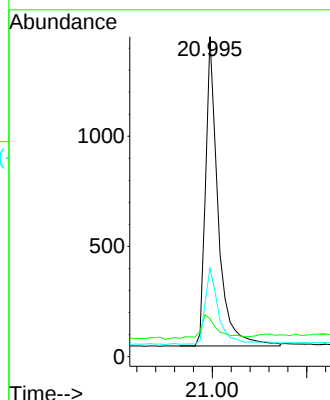
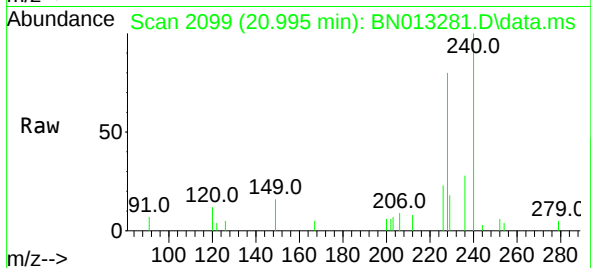
236 27.7 21.8 32.8

Instrument :

BNA\_N

ClientSampleId :

PB133574BS



#30

Pyrene

Concen: 0.42 ng

RT: 19.213 min Scan# 1846

Delta R.T. 0.000 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

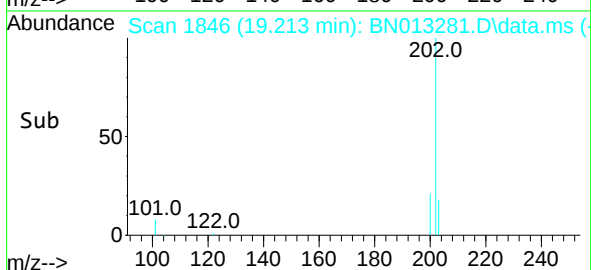
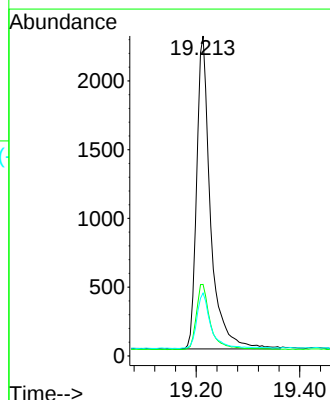
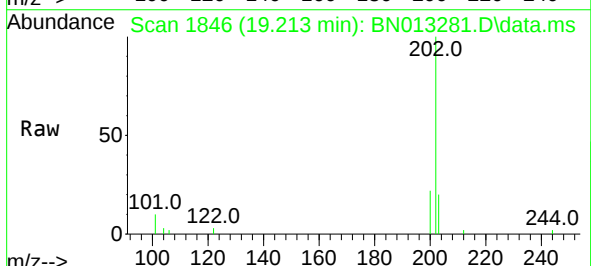
Tgt Ion:202 Resp: 4234

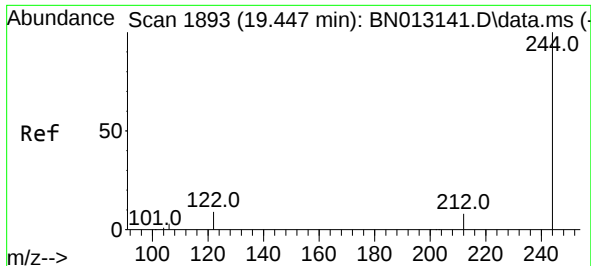
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 17.5 13.8 20.8

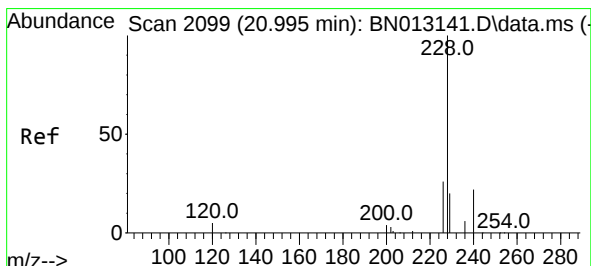
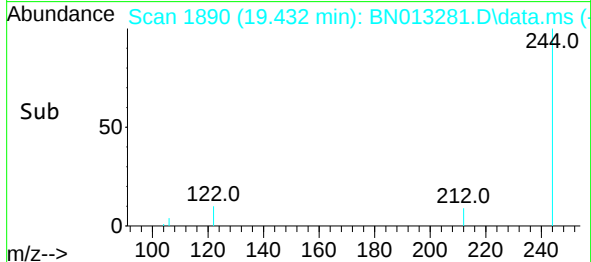
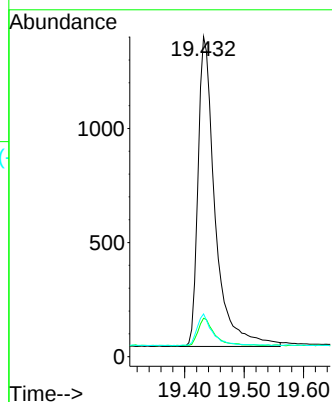
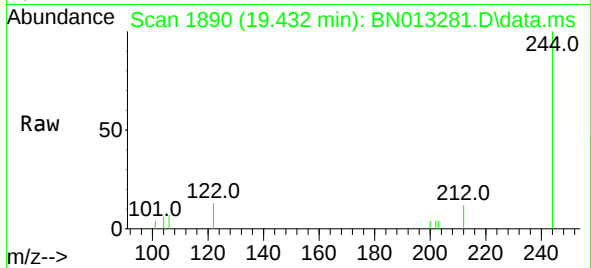




#31  
Terphenyl-d14  
Concen: 0.41 ng  
RT: 19.432 min Scan# 1890  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

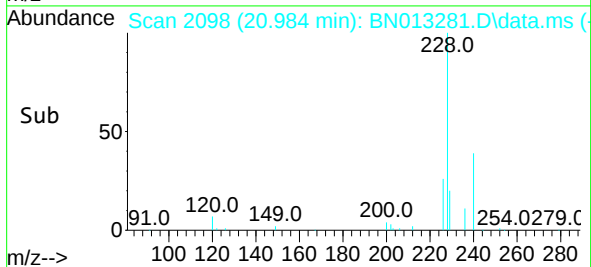
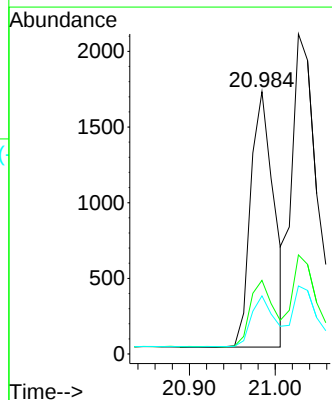
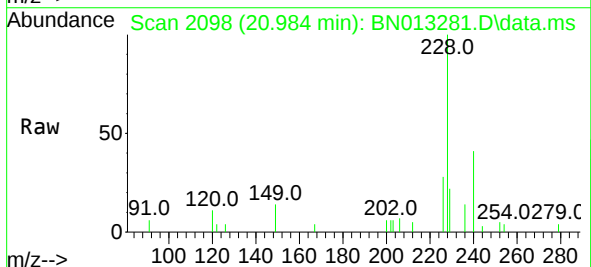
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

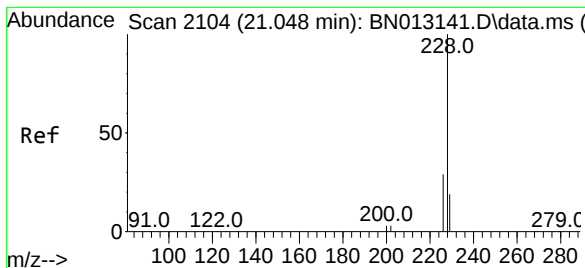
Tgt Ion:244 Resp: 2712  
Ion Ratio Lower Upper  
244 100  
212 12.0 7.3 10.9#  
122 13.3 7.3 10.9#



#32  
Benzo(a)anthracene  
Concen: 0.35 ng  
RT: 20.984 min Scan# 2098  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:228 Resp: 3177  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.3 33.5  
229 22.2 15.7 23.5





#33

Chrysene

Concen: 0.44 ng

RT: 21.027 min Scan# 2102

Delta R.T. -0.011 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

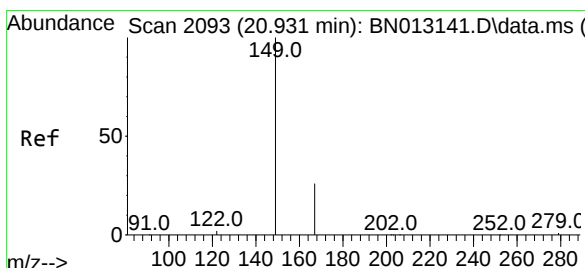
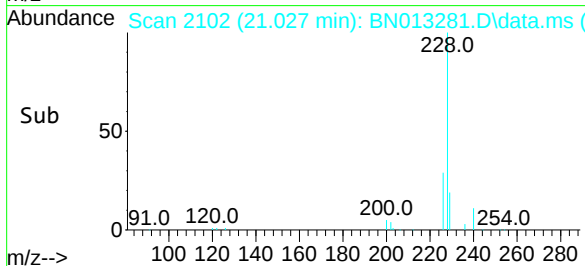
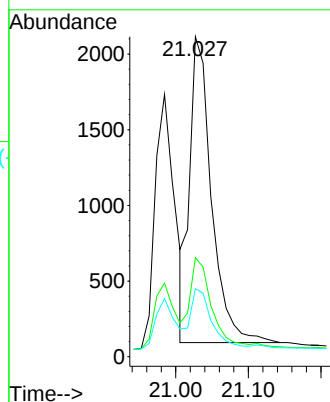
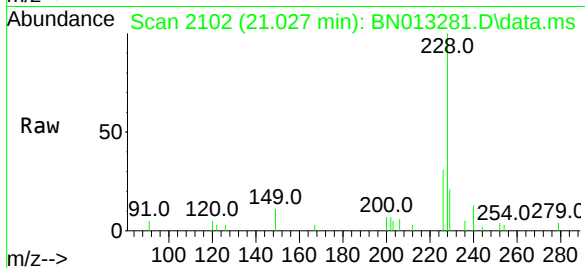
Tgt Ion:228 Resp: 4218

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 21.3 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 20.921 min Scan# 2092

Delta R.T. 0.000 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

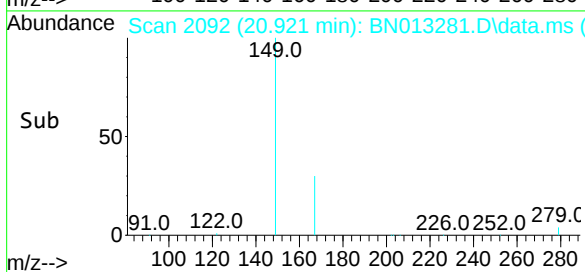
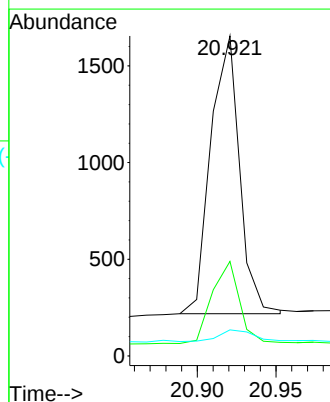
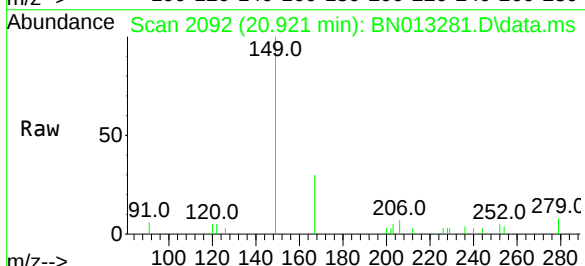
Tgt Ion:149 Resp: 1832

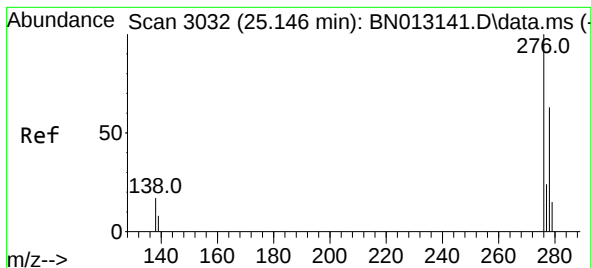
Ion Ratio Lower Upper

149 100

167 28.2 23.2 34.8

279 5.1 3.9 5.9

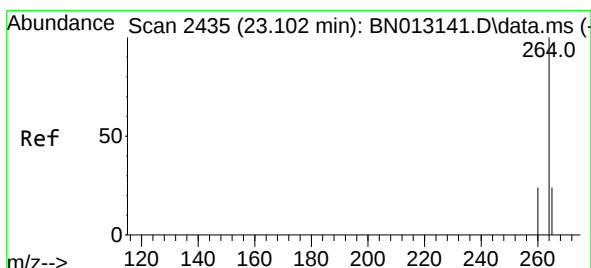
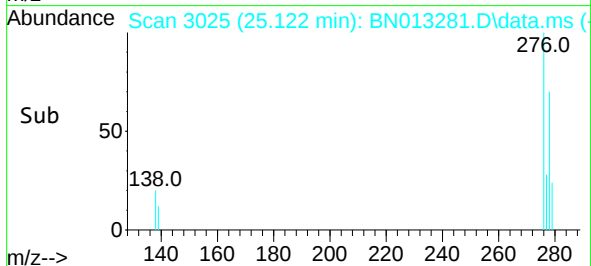
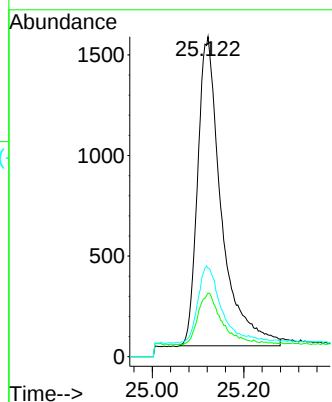
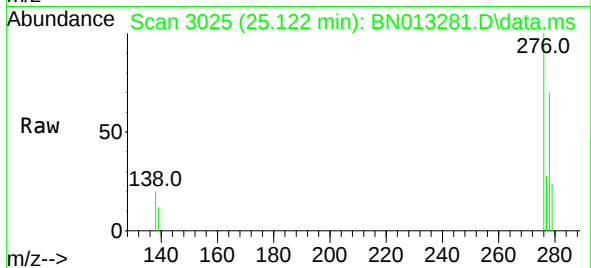




#35  
Indeno(1,2,3-cd)pyrene  
Concen: 0.42 ng  
RT: 25.122 min Scan# 3025  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

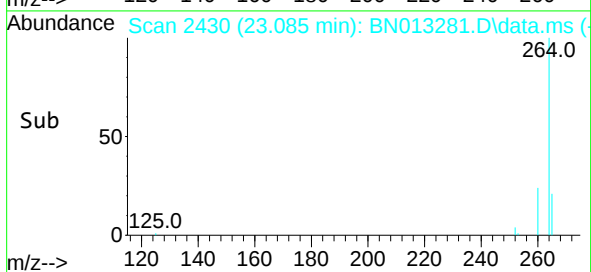
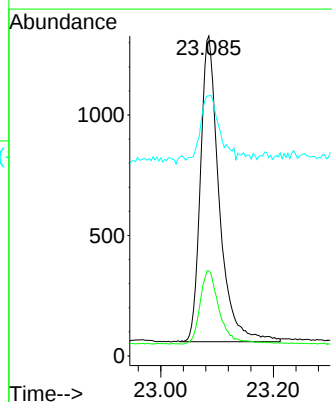
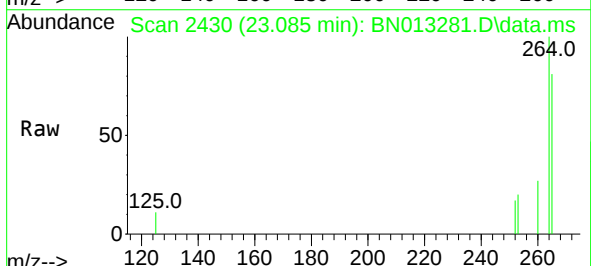
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

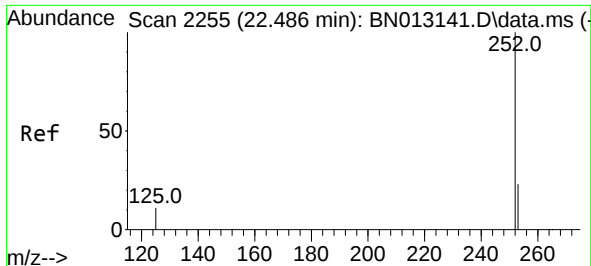
Tgt Ion:276 Resp: 5542  
Ion Ratio Lower Upper  
276 100  
138 15.1 13.3 19.9  
277 22.0 20.2 30.4



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.085 min Scan# 2430  
Delta R.T. 0.000 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:264 Resp: 2938  
Ion Ratio Lower Upper  
264 100  
260 26.6 19.8 29.6  
265 81.3 51.4 77.0#

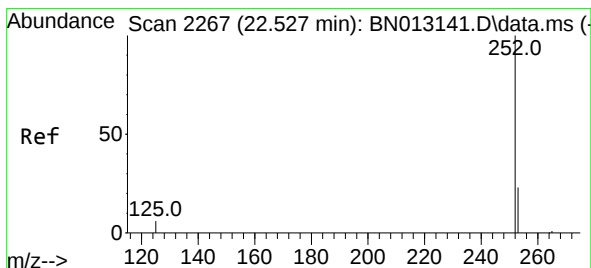
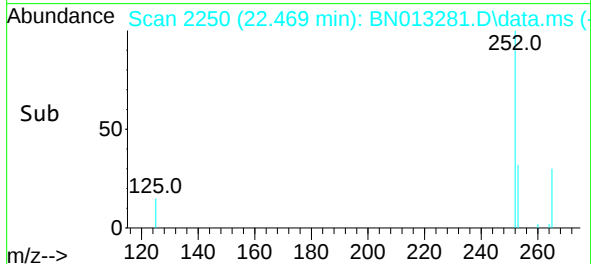
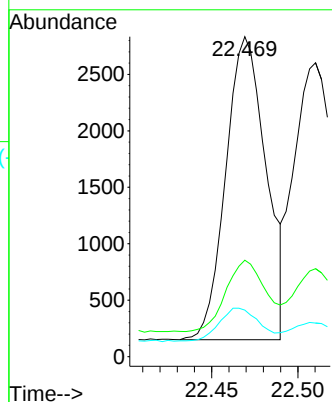
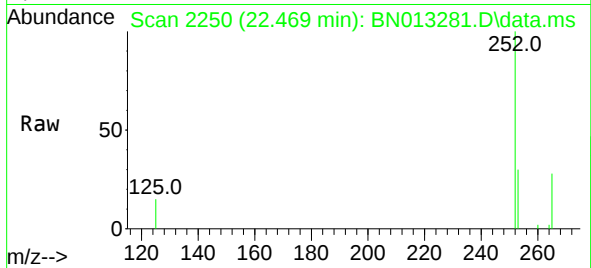




#37  
Benzo(b)fluoranthene  
Concen: 0.42 ng  
RT: 22.469 min Scan# 2250  
Delta R.T. -0.003 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

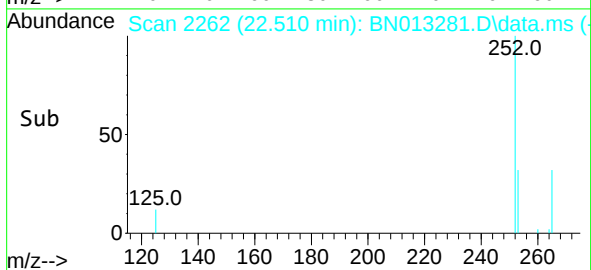
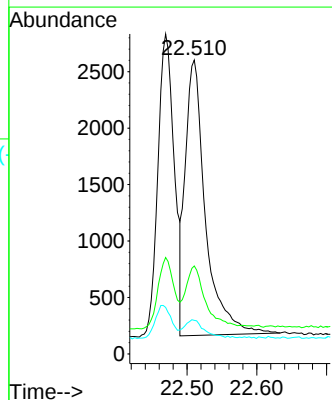
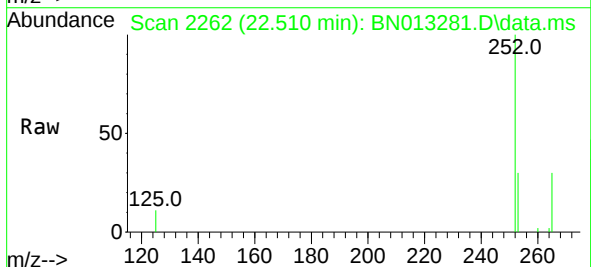
Instrument :  
BNA\_N  
ClientSampleId :  
PB133574BS

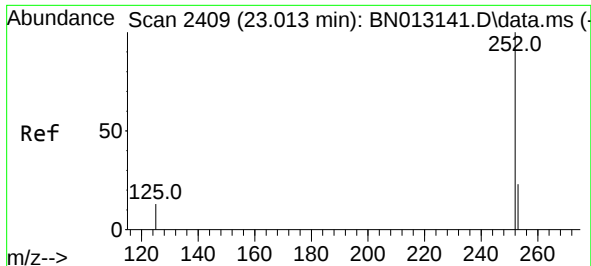
Tgt Ion:252 Resp: 4375  
Ion Ratio Lower Upper  
252 100  
253 30.2 20.1 30.1#  
125 14.6 7.2 10.8#



#38  
Benzo(k)fluoranthene  
Concen: 0.41 ng  
RT: 22.510 min Scan# 2262  
Delta R.T. -0.003 min  
Lab File: BN013281.D  
Acq: 22 Dec 2020 21:13

Tgt Ion:252 Resp: 4903  
Ion Ratio Lower Upper  
252 100  
253 30.0 19.8 29.8#  
125 11.4 7.1 10.7#





#39

Benzo(a)pyrene

Concen: 0.42 ng

RT: 22.996 min Scan# 2404

Delta R.T. -0.003 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

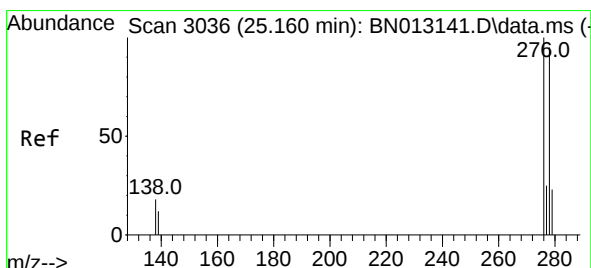
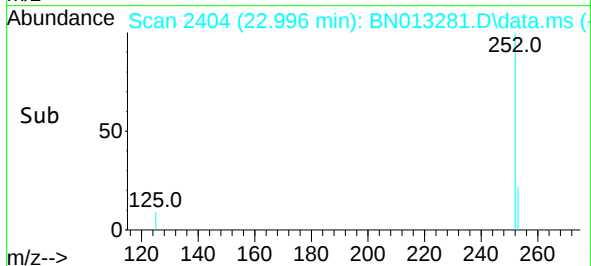
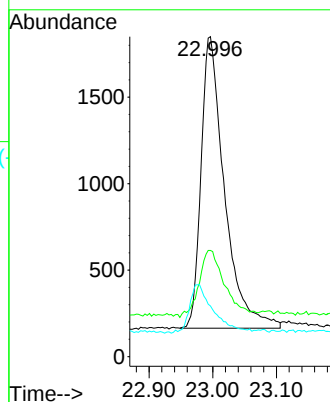
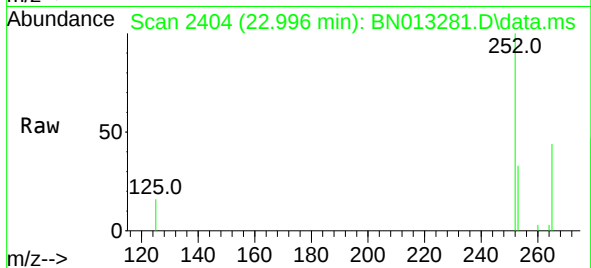
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 4310  |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 33.2  | 21.3  | 31.9# |
| 125       | 15.8  | 8.3   | 12.5# |

Instrument :

BNA\_N

ClientSampleId :

PB133574BS



#40

Dibenzo(a,h)anthracene

Concen: 0.40 ng

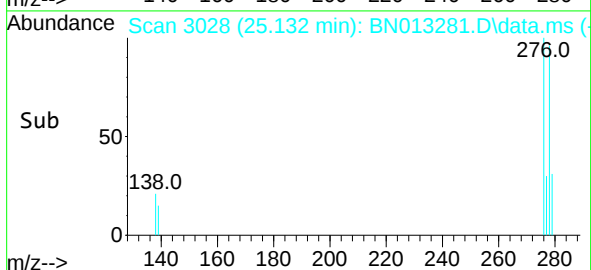
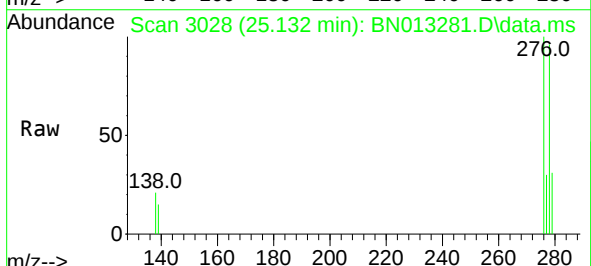
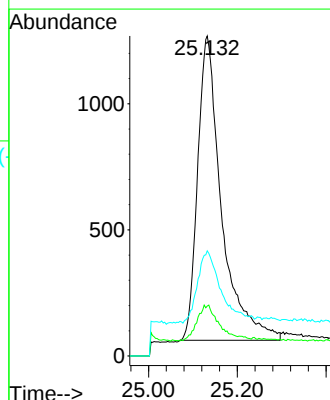
RT: 25.132 min Scan# 3028

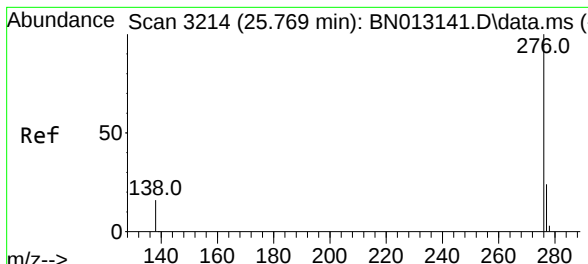
Delta R.T. 0.000 min

Lab File: BN013281.D

Acq: 22 Dec 2020 21:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 4512  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 15.6  | 9.3   | 13.9# |
| 279       | 32.9  | 21.6  | 32.4# |





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.42 ng  
 RT: 25.741 min Scan# 3206  
 Delta R.T. 0.000 min  
 Lab File: BN013281.D  
 Acq: 22 Dec 2020 21:13

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB133574BS

Tgt Ion: 276 Resp: 5056

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 28.0  | 19.8  | 29.8  |
| 138 | 18.7  | 11.7  | 17.5# |

