

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122220\  
 Data File : BN013256.D  
 Acq On : 22 Dec 2020 03:06  
 Operator : CG/JU  
 Sample : L5123-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE135D2-20201211

Quant Time: Dec 22 03:55:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 18 16:11:20 2020  
 Response via : Initial Calibration

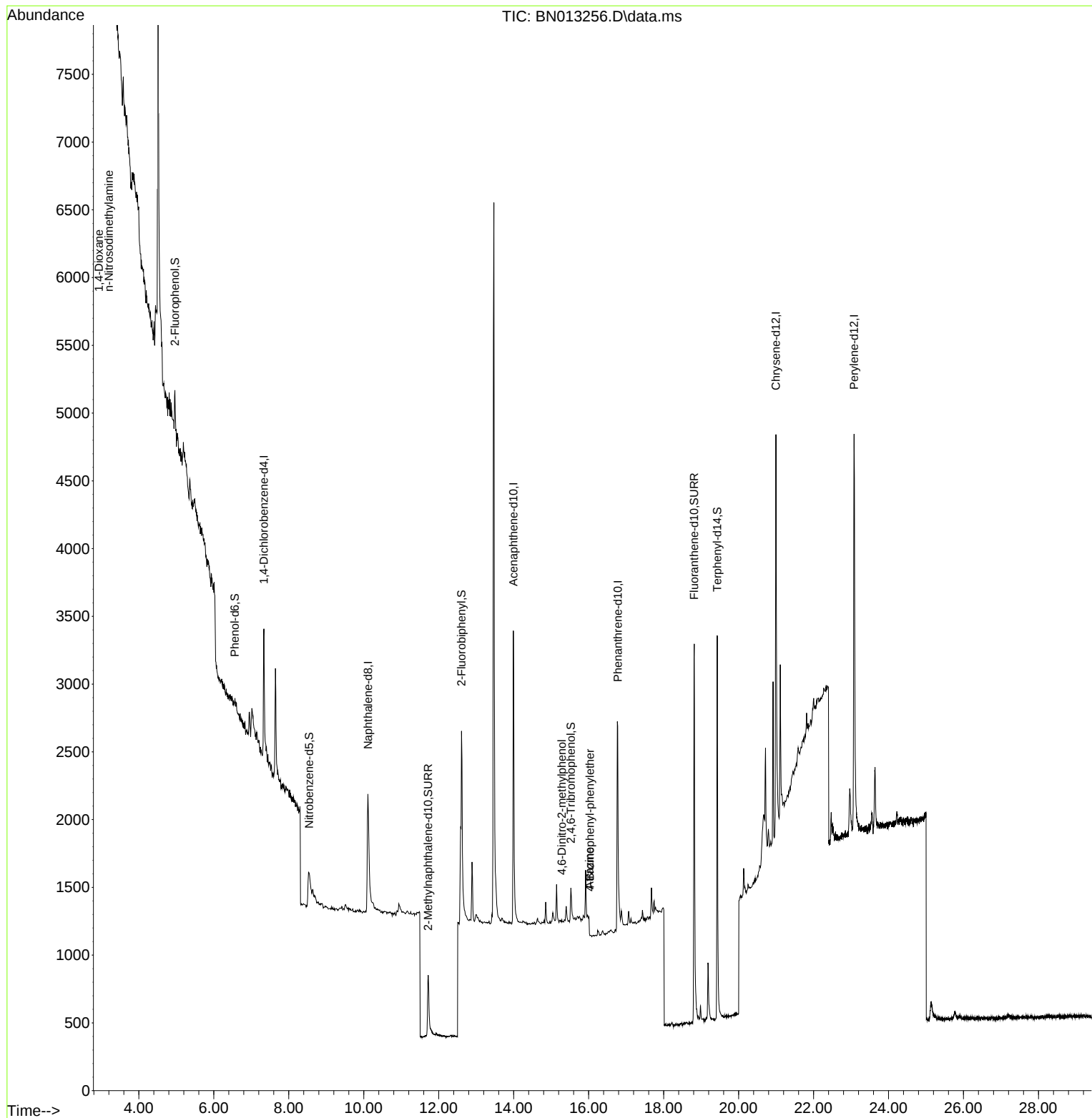
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.338  | 152  | 656      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.112 | 136  | 2262     | 0.40  | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 13.991 | 164  | 1497     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.776 | 188  | 3232     | 0.40  | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.995 | 240  | 3769     | 0.40  | ng    | #-0.01   |
| 36) Perylene-d12              | 23.082 | 264  | 4361     | 0.40  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.962  | 112  | 308      | 0.11  | ng    | 0.00     |
| 5) Phenol-d6                  | 6.557  | 99   | 151      | 0.06  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.541  | 82   | 650      | 0.28  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.720 | 152  | 1150     | 0.29  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.526 | 330  | 268      | 0.28  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.608 | 172  | 1823     | 0.29  | ng    | -0.03    |
| 27) Fluoranthene-d10          | 18.816 | 212  | 4365     | 0.41  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.432 | 244  | 3752     | 0.39  | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 2.933  | 88   | 339      | 0.30  | ng    | # 58     |
| 3) n-Nitrosodimethylamine     | 3.199  | 42   | 120      | 0.06  | ng    | # 22     |
| 20) 4,6-Dinitro-2-methylph... | 15.285 | 198  | 1        | 0.19  | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.033 | 248  | 135      | 0.21  | ng    | # 75     |
| 23) Atrazine                  | 16.021 | 200  | 172      | 0.09  | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 20.921 | 149  | 1048     | Below | Cal   | 95       |
| -----                         |        |      |          |       |       |          |

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

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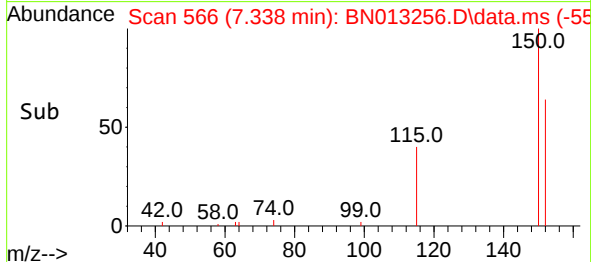
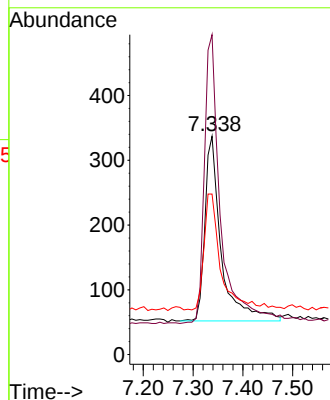
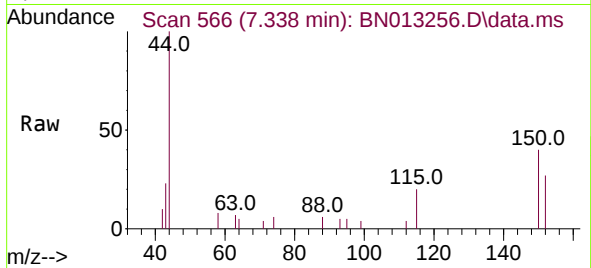




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.338 min Scan# 566  
 Delta R.T. -0.008 min  
 Lab File: BN013256.D  
 Acq: 22 Dec 2020 03:06

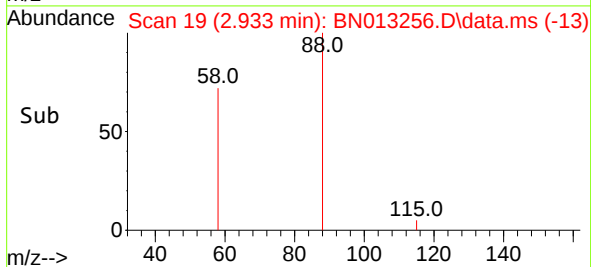
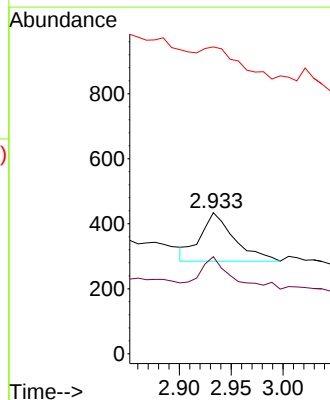
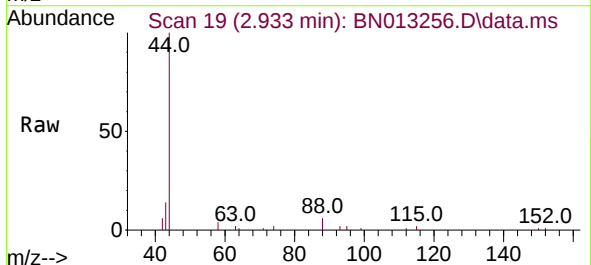
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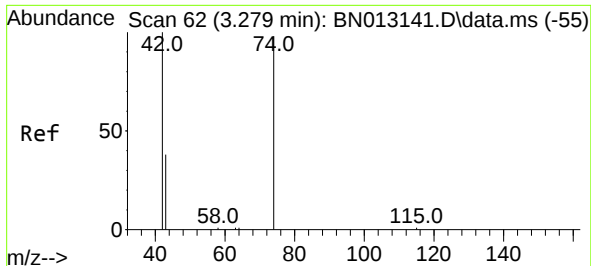
Tgt Ion:152 Resp: 656  
 Ion Ratio Lower Upper  
 152 100  
 150 146.6 116.6 174.8  
 115 73.6 52.9 79.3



#2  
 1,4-Dioxane  
 Concen: 0.30 ng  
 RT: 2.933 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: BN013256.D  
 Acq: 22 Dec 2020 03:06

Tgt Ion: 88 Resp: 339  
 Ion Ratio Lower Upper  
 88 100  
 58 49.9 59.4 89.2#  
 43 0.0 32.3 48.5#

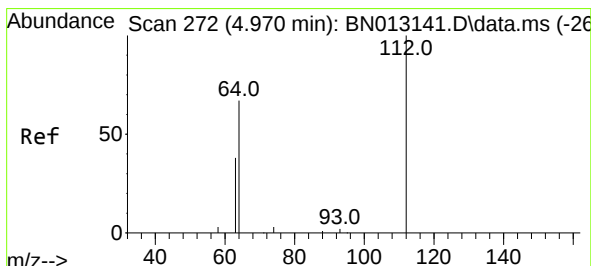
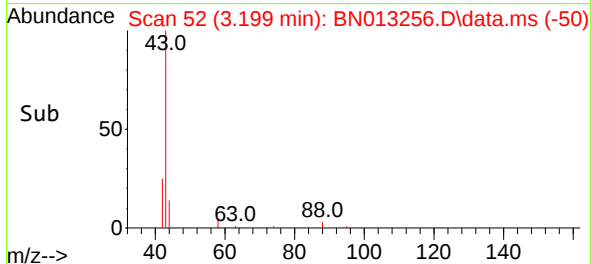
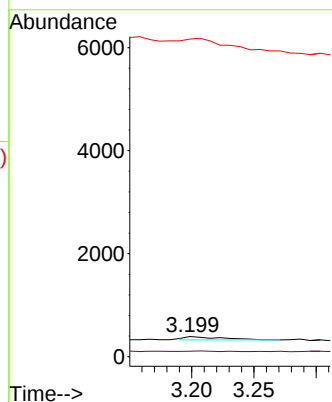
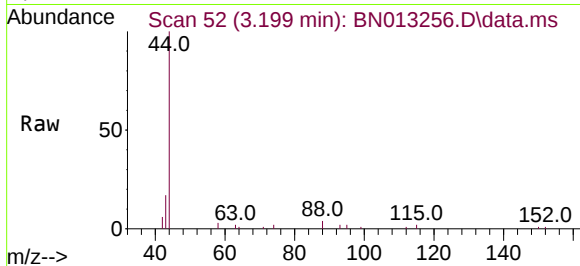




#3  
n-Nitrosodimethylamine  
Concen: 0.06 ng  
RT: 3.199 min Scan# 52  
Delta R.T. -0.080 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

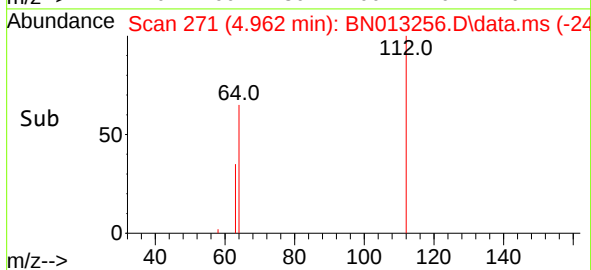
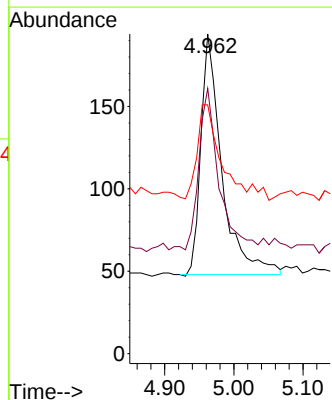
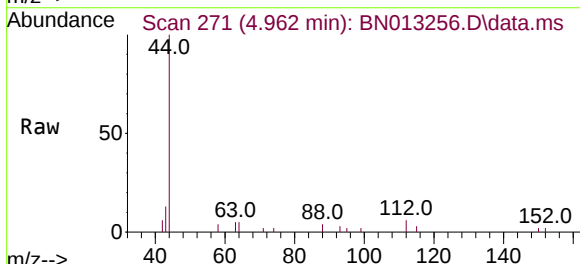
Instrument :  
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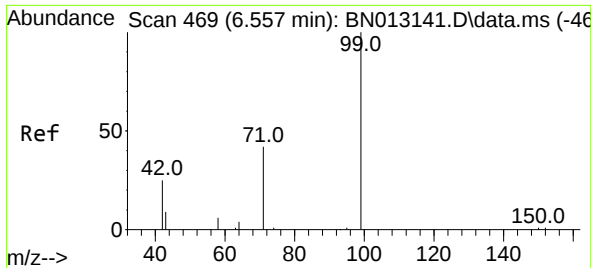
Tgt Ion: 42 Resp: 120  
Ion Ratio Lower Upper  
42 100  
74 9.2 64.4 96.6#  
44 0.0 2.8 4.2#



#4  
2-Fluorophenol  
Concen: 0.11 ng  
RT: 4.962 min Scan# 271  
Delta R.T. 0.000 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Tgt Ion: 112 Resp: 308  
Ion Ratio Lower Upper  
112 100  
64 61.4 49.5 74.3  
63 41.6 32.0 48.0

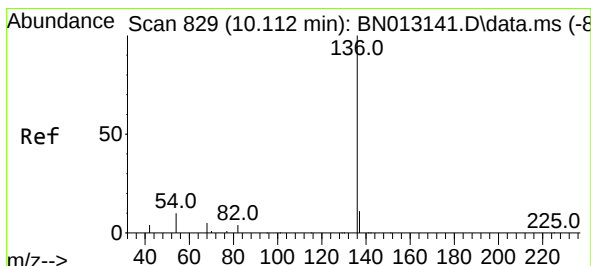
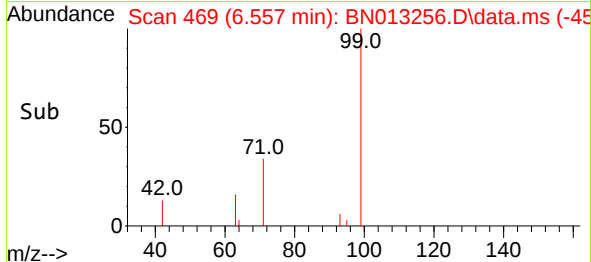
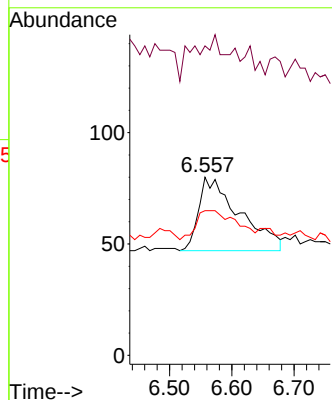
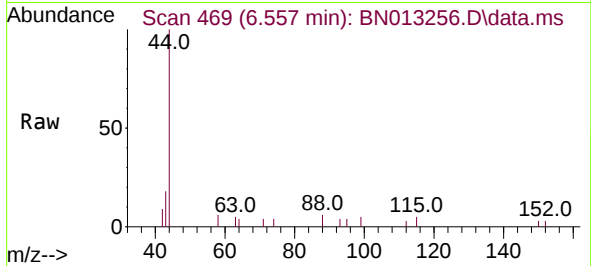




#5  
Phenol-d6  
Concen: 0.06 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.008 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

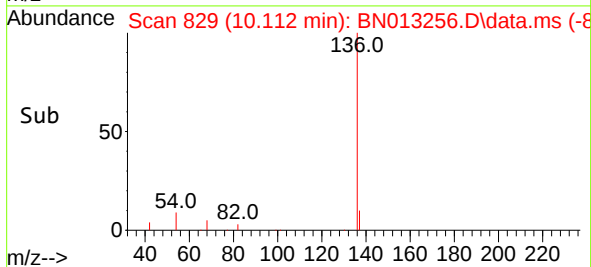
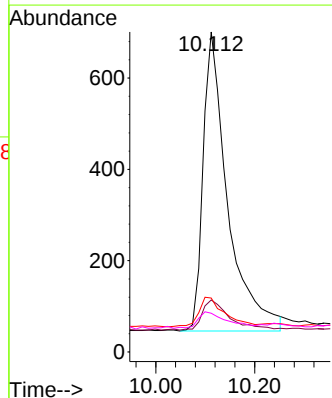
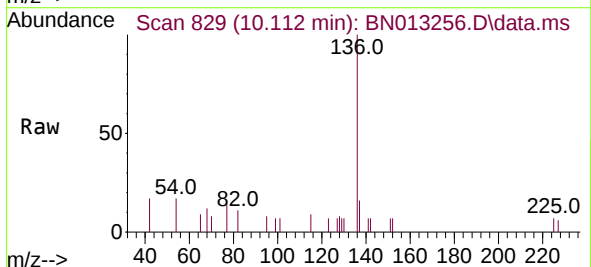
Instrument :  
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ClientSampleId :  
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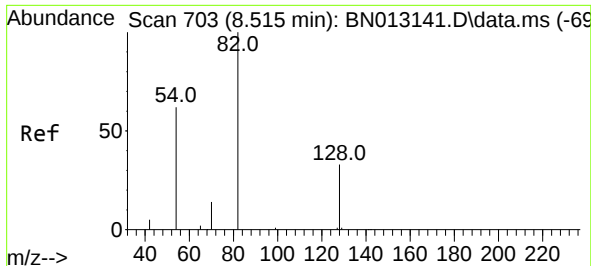
Tgt Ion: 99 Resp: 151  
Ion Ratio Lower Upper  
99 100  
42 0.0 22.4 33.6#  
71 38.4 37.8 56.6



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.112 min Scan# 829  
Delta R.T. 0.000 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Tgt Ion: 136 Resp: 2262  
Ion Ratio Lower Upper  
136 100  
137 16.3 10.6 15.8#  
54 16.8 8.6 12.8#  
68 12.1 5.7 8.5#

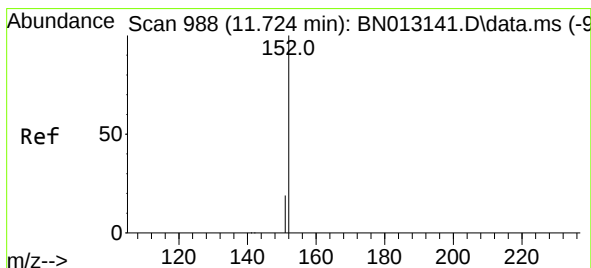
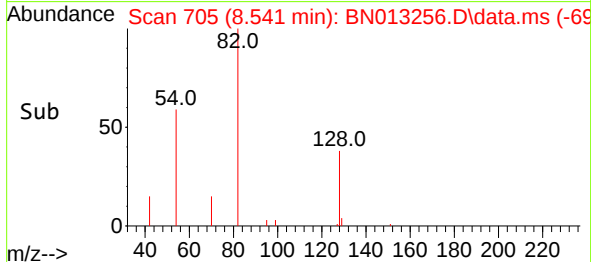
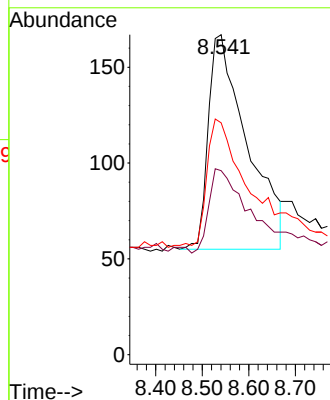
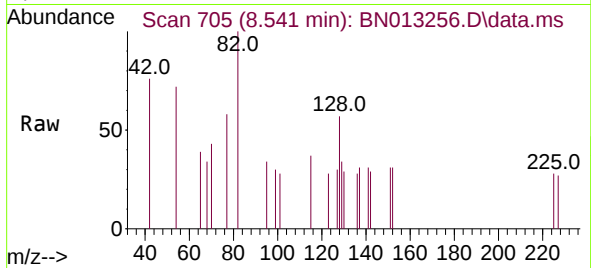




#8  
Nitrobenzene-d5  
Concen: 0.28 ng  
RT: 8.541 min Scan# 705  
Delta R.T. 0.013 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

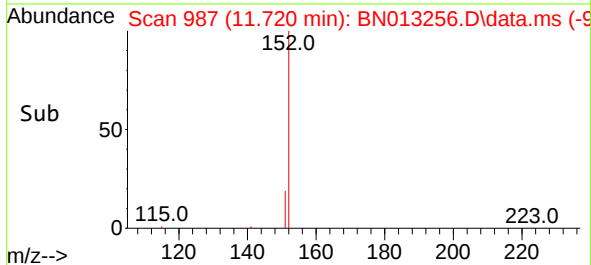
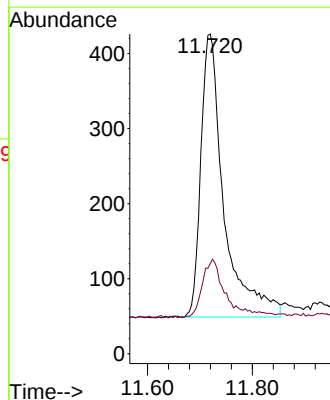
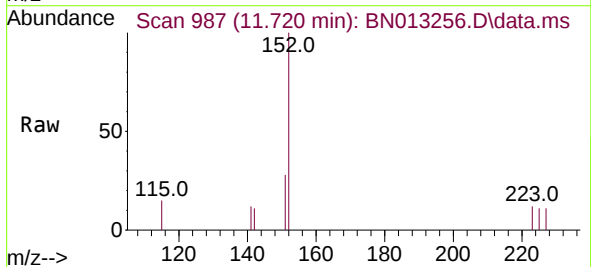
Instrument :  
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ClientSampleId :  
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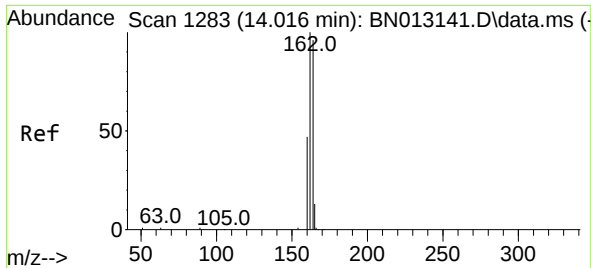
Tgt Ion: 82 Resp: 650  
Ion Ratio Lower Upper  
82 100  
128 57.5 30.6 46.0#  
54 72.5 48.3 72.5



#11  
2-Methylnaphthalene-d10  
Concen: 0.29 ng  
RT: 11.720 min Scan# 987  
Delta R.T. -0.004 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Tgt Ion:152 Resp: 1150  
Ion Ratio Lower Upper  
152 100  
151 21.4 16.7 25.1

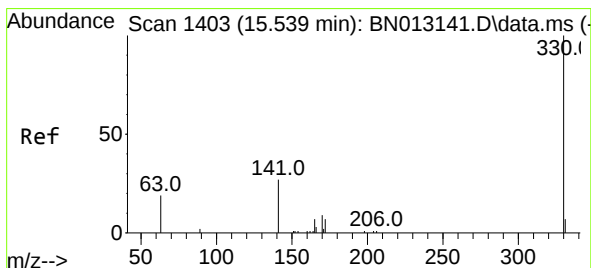
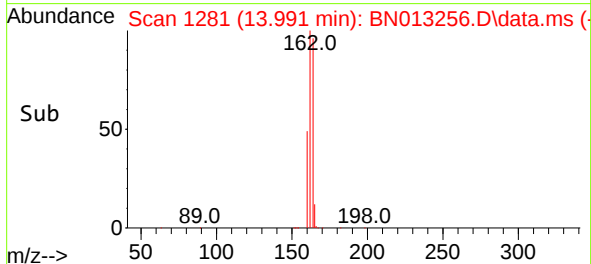
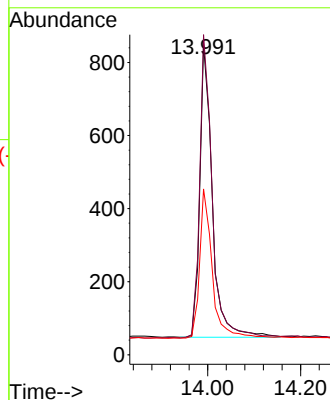
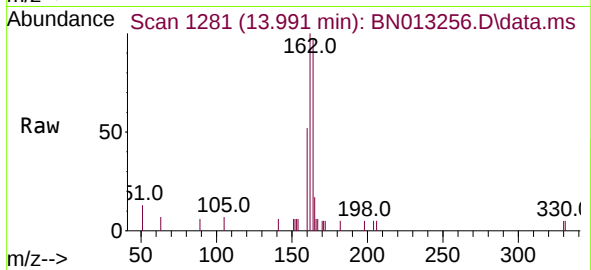




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 13.991 min Scan# 1281  
Delta R.T. -0.013 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

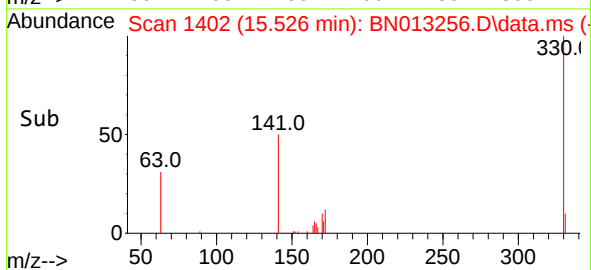
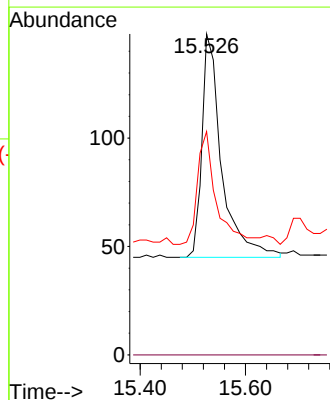
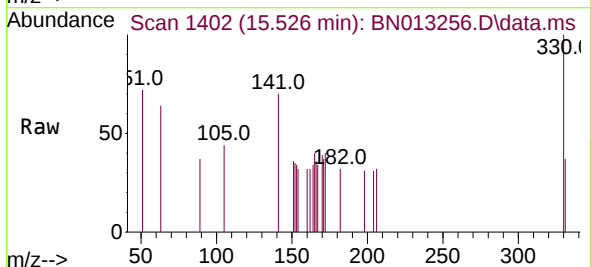
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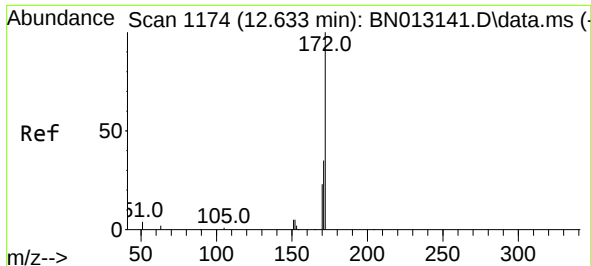
Tgt Ion:164 Resp: 1497  
Ion Ratio Lower Upper  
164 100  
162 103.3 80.6 120.8  
160 53.5 39.5 59.3



#14  
2,4,6-Tribromophenol  
Concen: 0.28 ng  
RT: 15.526 min Scan# 1402  
Delta R.T. -0.013 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Tgt Ion:330 Resp: 268  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 47.8 34.4 51.6

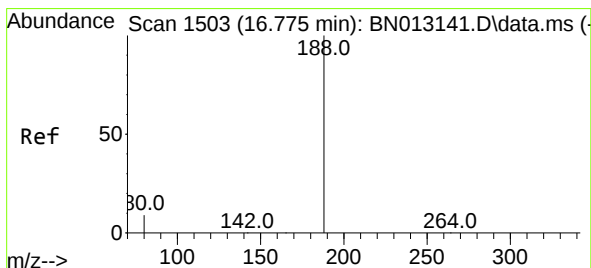
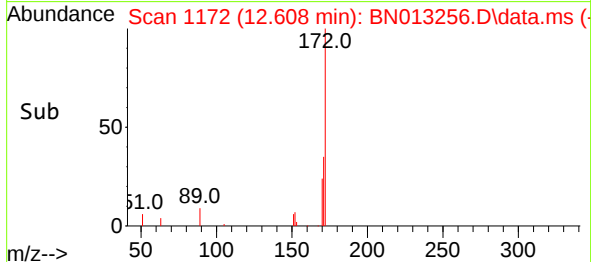
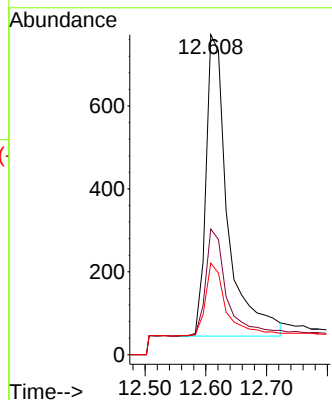
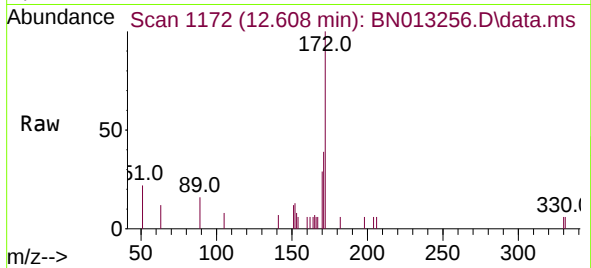




#15  
2-Fluorobiphenyl  
Concen: 0.29 ng  
RT: 12.608 min Scan# 1172  
Delta R.T. -0.025 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

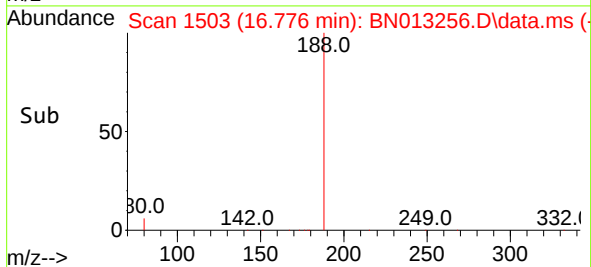
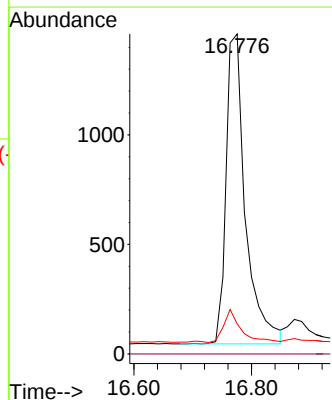
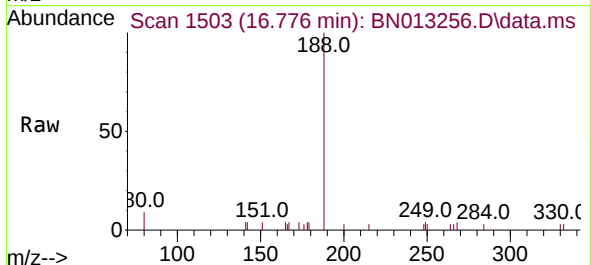
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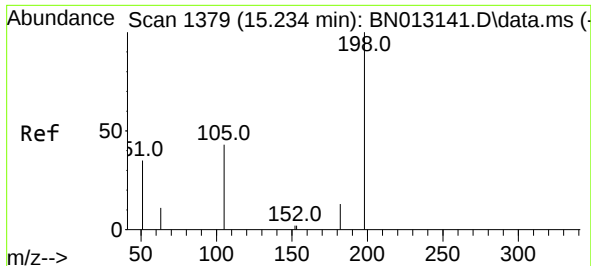
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|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 1823  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 39.2  | 28.2  | 42.4  |
| 170      | 28.6  | 20.0  | 30.0  |



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.776 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 3232  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 9.4   | 5.0   | 7.4#  |

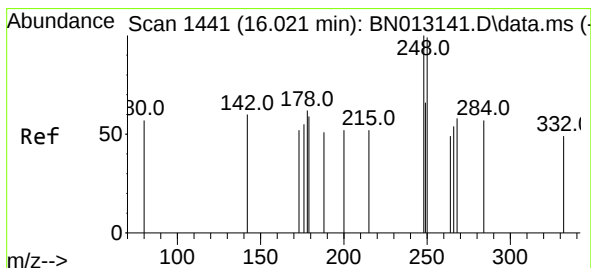
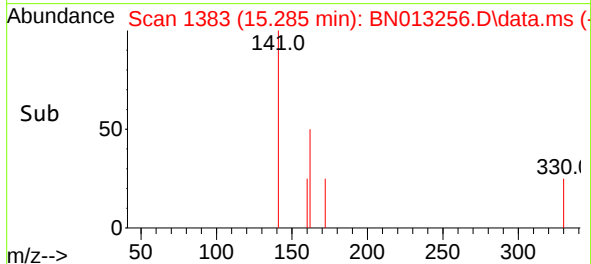
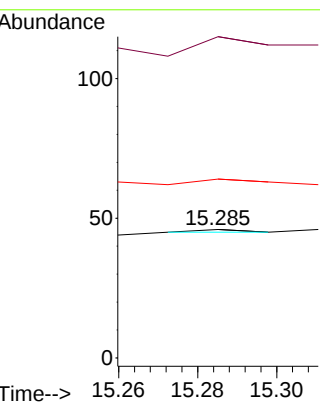
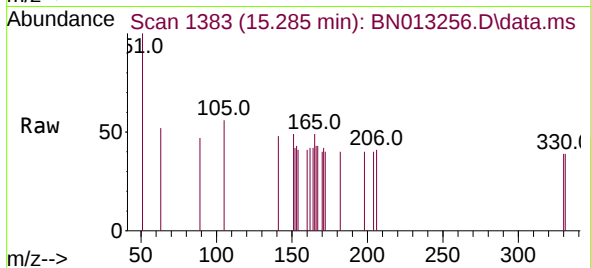




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.19 ng  
RT: 15.285 min Scan# 1383  
Delta R.T. 0.025 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

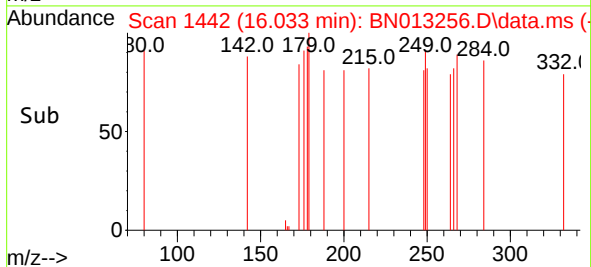
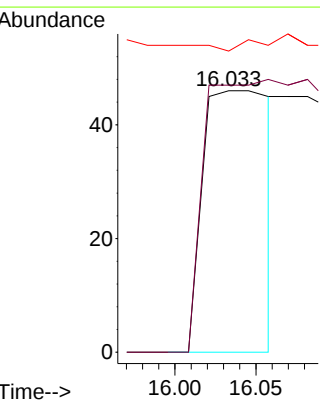
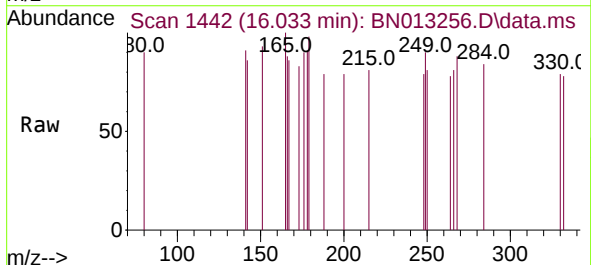
Instrument :  
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RE135D2-20201211

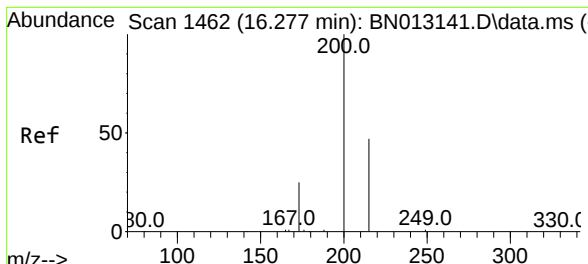
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 198   | Resp: | 1     |
| Ion      | Ratio | Lower | Upper |
| 198      | 100   |       |       |
| 51       | 250.0 | 43.5  | 65.3# |
| 105      | 139.1 | 27.2  | 40.8# |



#21  
4-Bromophenyl-phenylether  
Concen: 0.21 ng  
RT: 16.033 min Scan# 1442  
Delta R.T. 0.012 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 135   |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 102.2 | 77.3  | 115.9 |
| 141      | 115.2 | 57.8  | 86.8# |

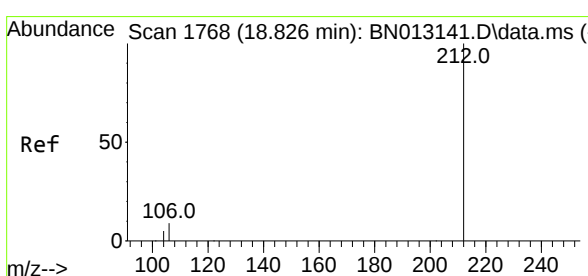
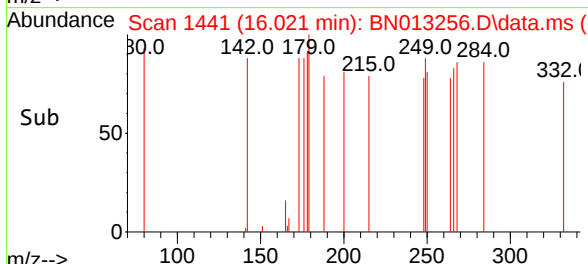
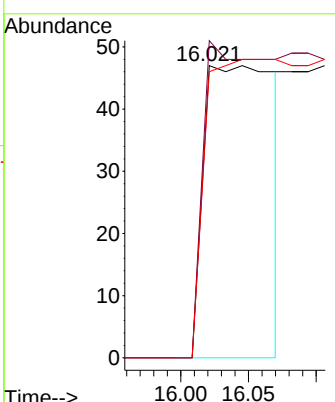
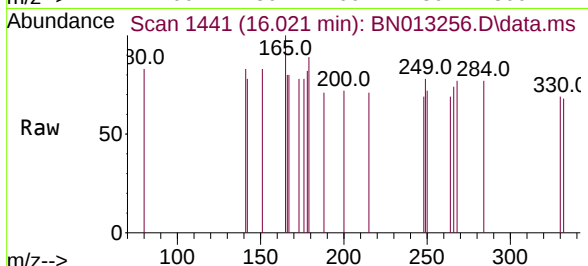




#23  
**Atrazine**  
 Concen: 0.09 ng  
 RT: 16.021 min Scan# 1441  
 Delta R.T. -0.255 min  
 Lab File: BN013256.D  
 Acq: 22 Dec 2020 03:06

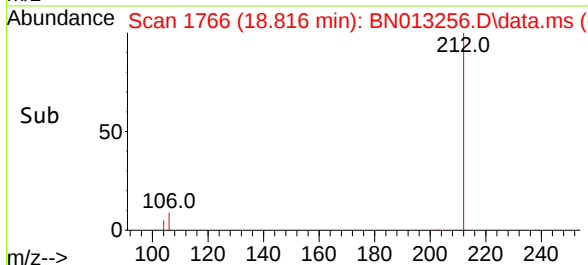
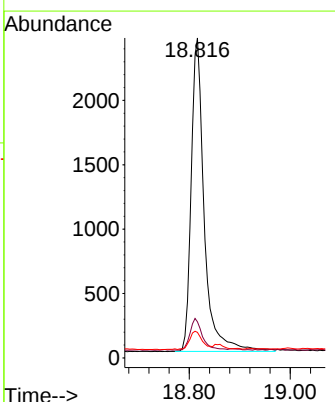
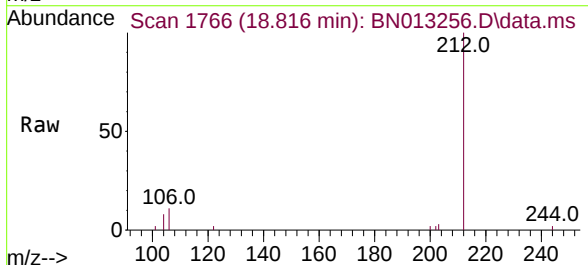
**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 RE135D2-20201211

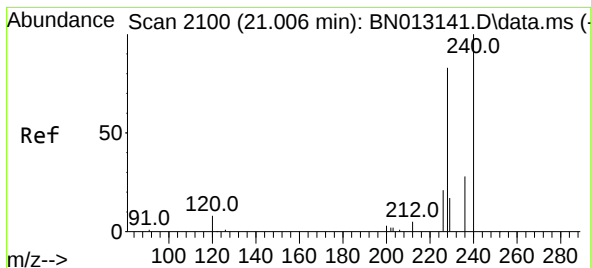
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 172   |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 108.5 | 22.8  | 34.2# |
| 215       | 97.9  | 38.1  | 57.1# |



#27  
**Fluoranthene-d10**  
 Concen: 0.41 ng  
 RT: 18.816 min Scan# 1766  
 Delta R.T. -0.005 min  
 Lab File: BN013256.D  
 Acq: 22 Dec 2020 03:06

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 4365 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 9.6   | 6.8   | 10.2 |
| 104       | 5.7   | 4.1   | 6.1  |





#29

Chrysene-d12

Concen: 0.40 ng

RT: 20.995 min Scan# 2099

Delta R.T. -0.011 min

Lab File: BN013256.D

Acq: 22 Dec 2020 03:06

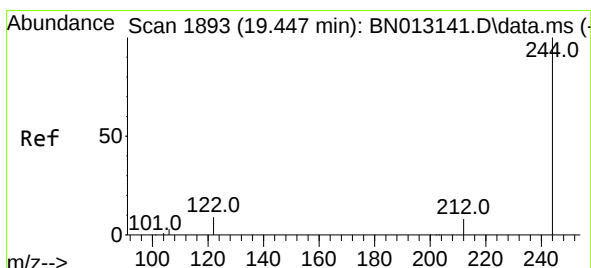
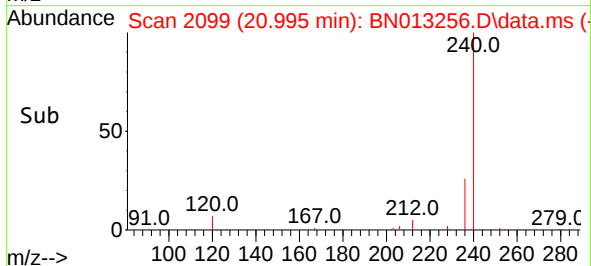
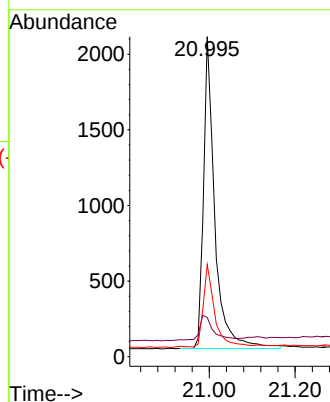
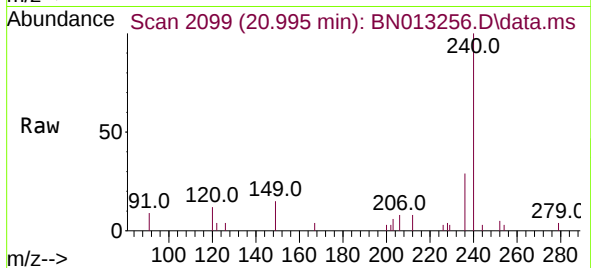
Tgt Ion:240 Resp: 3769

Ion Ratio Lower Upper

240 100

120 12.3 5.3 7.9#

236 28.8 21.8 32.8



#31

Terphenyl-d14

Concen: 0.39 ng

RT: 19.432 min Scan# 1890

Delta R.T. -0.015 min

Lab File: BN013256.D

Acq: 22 Dec 2020 03:06

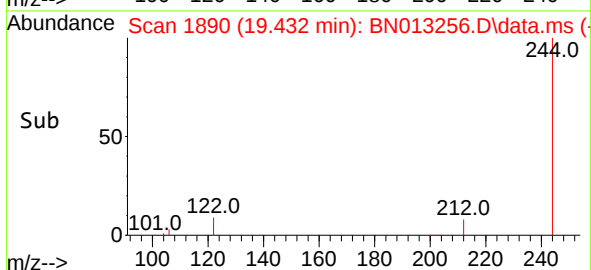
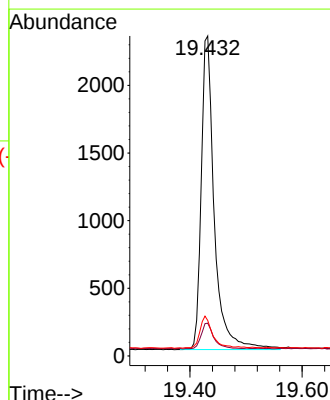
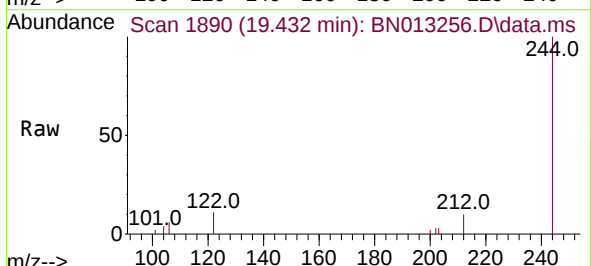
Tgt Ion:244 Resp: 3752

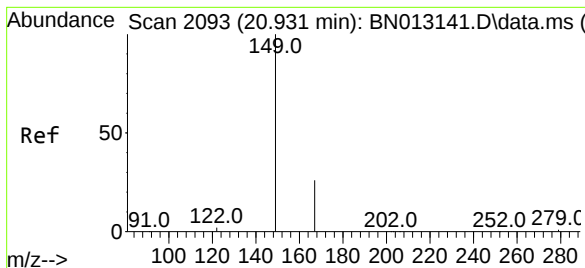
Ion Ratio Lower Upper

244 100

212 10.2 7.3 10.9

122 11.1 7.3 10.9#

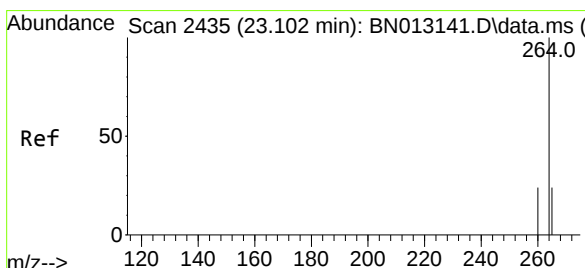
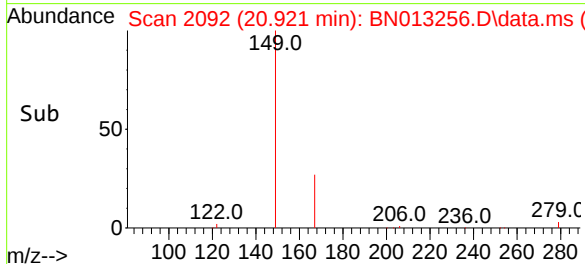
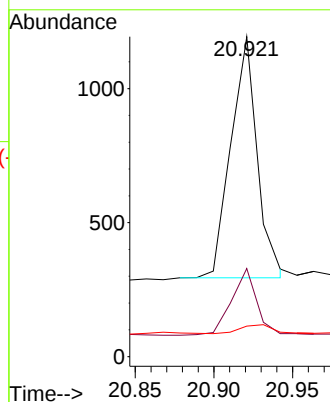
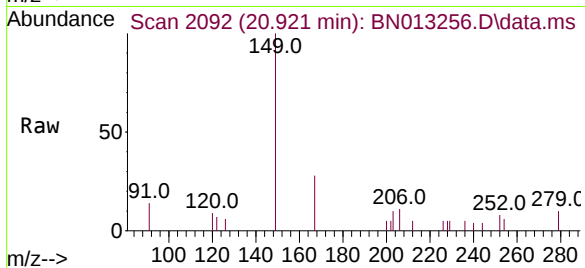




#34  
Bis(2-ethylhexyl)phthalate  
Concen: Below Cal  
RT: 20.921 min Scan# 2092  
Delta R.T. 0.000 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Instrument :  
BNA\_N  
ClientSampleId :  
RE135D2-20201211

Tgt Ion:149 Resp: 1048  
Ion Ratio Lower Upper  
149 100  
167 26.3 23.2 34.8  
279 4.3 3.9 5.9



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.082 min Scan# 2429  
Delta R.T. -0.014 min  
Lab File: BN013256.D  
Acq: 22 Dec 2020 03:06

Tgt Ion:264 Resp: 4361  
Ion Ratio Lower Upper  
264 100  
260 26.1 19.8 29.6  
265 71.1 51.4 77.0

