

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122220\  
 Data File : BN013266.D  
 Acq On : 22 Dec 2020 10:59  
 Operator : CG/JU  
 Sample : L5124-19  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP05-20201211

Quant Time: Dec 22 13:13:21 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

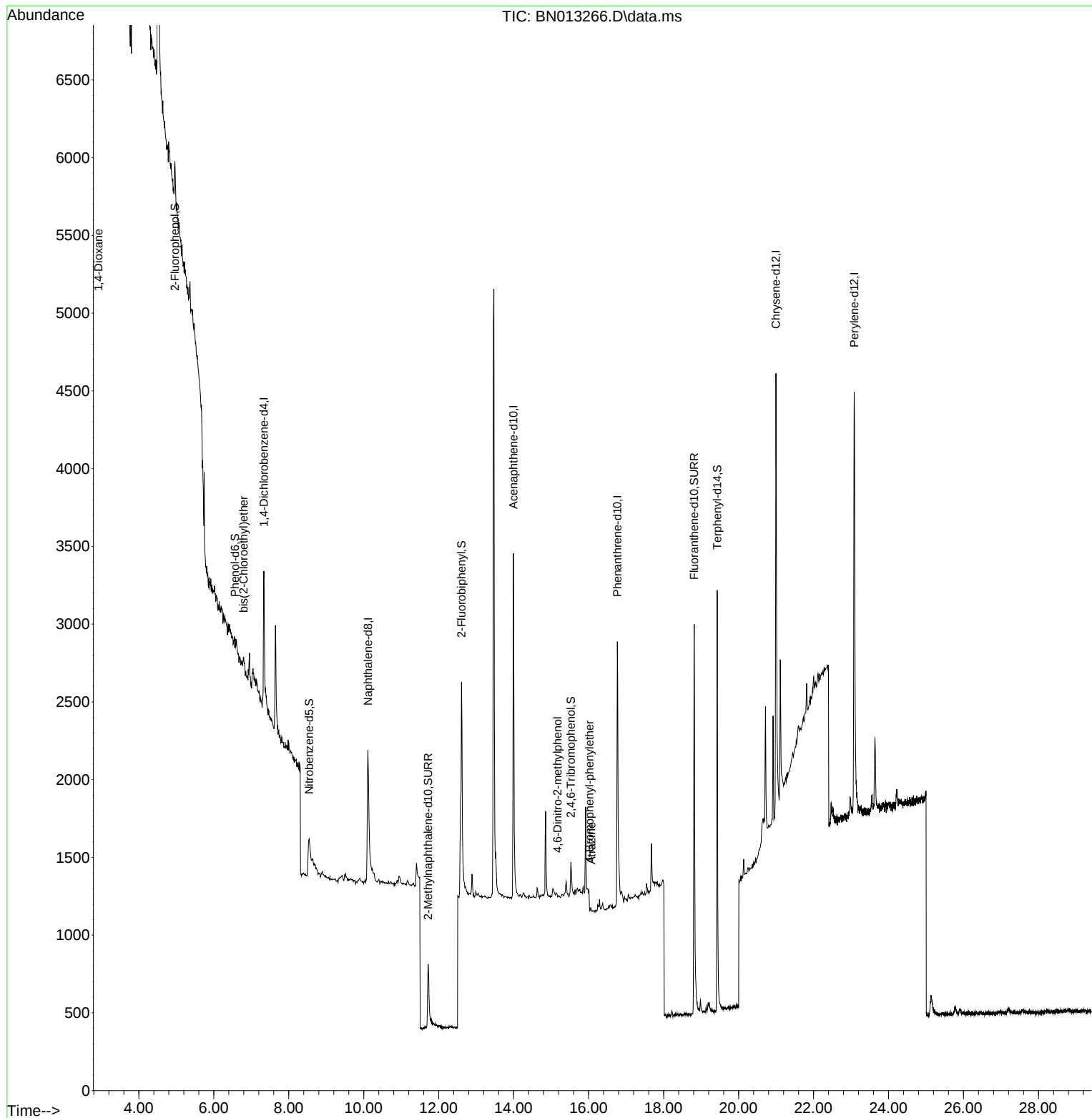
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.338  | 152  | 637      | 0.40  | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.112 | 136  | 2204     | 0.40  | ng    | # 0.01    |
| 13) Acenaphthene-d10          | 13.991 | 164  | 1515     | 0.40  | ng    | 0.00      |
| 19) Phenanthrene-d10          | 16.763 | 188  | 3276     | 0.40  | ng    | # 0.00    |
| 29) Chrysene-d12              | 20.995 | 240  | 3719     | 0.40  | ng    | # 0.00    |
| 36) Perylene-d12              | 23.085 | 264  | 4230     | 0.40  | ng    | 0.00      |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 4.962  | 112  | 292      | 0.11  | ng    | 0.00      |
| 5) Phenol-d6                  | 6.565  | 99   | 114      | 0.04  | ng    | 0.02      |
| 8) Nitrobenzene-d5            | 8.540  | 82   | 582      | 0.26  | ng    | 0.04      |
| 11) 2-Methylnaphthalene-d10   | 11.719 | 152  | 1059     | 0.27  | ng    | 0.01      |
| 14) 2,4,6-Tribromophenol      | 15.526 | 330  | 230      | 0.24  | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 12.608 | 172  | 1635     | 0.26  | ng    | 0.00      |
| 27) Fluoranthene-d10          | 18.816 | 212  | 3990     | 0.37  | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.431 | 244  | 3403     | 0.36  | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 2.925  | 88   | 2328     | 2.10  | ng    | Qvalue 99 |
| 6) bis(2-Chloroethyl)ether    | 6.798  | 93   | 54       | 0.03  | ng    | # 80      |
| 20) 4,6-Dinitro-2-methylph... | 15.171 | 198  | 2        | 0.19  | ng    | # 1       |
| 21) 4-Bromophenyl-phenylether | 16.021 | 248  | 68       | 0.11  | ng    | # 73      |
| 23) Atrazine                  | 16.070 | 200  | 238      | 0.12  | ng    | # 1       |
| 34) Bis(2-ethylhexyl)phtha... | 20.921 | 149  | 549      | Below | Cal   | 99        |
| -----                         |        |      |          |       |       |           |

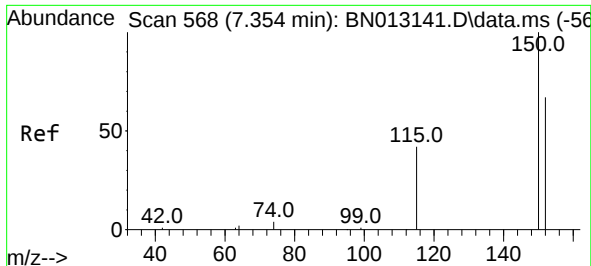
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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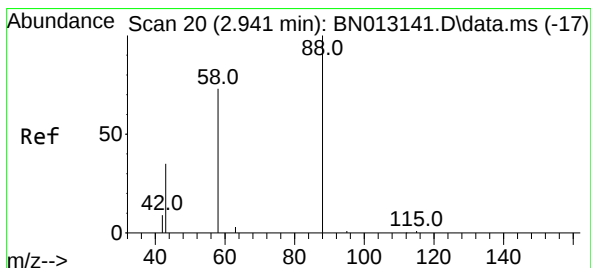
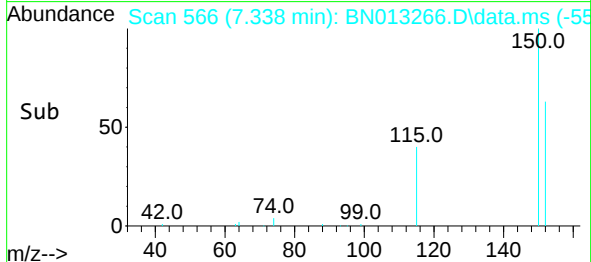
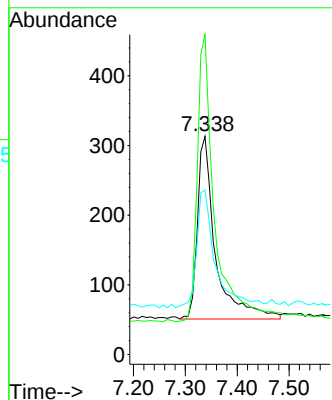
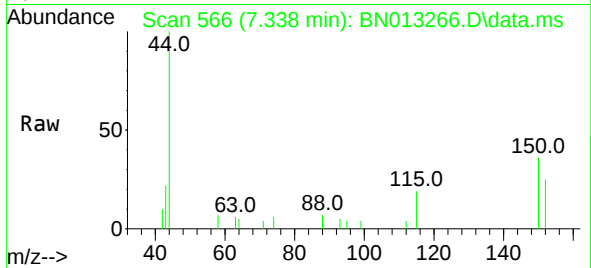




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.338 min Scan# 566  
Delta R.T. 0.008 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

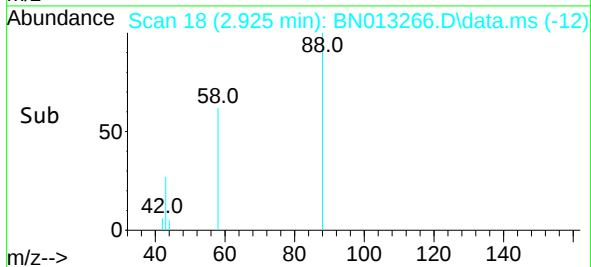
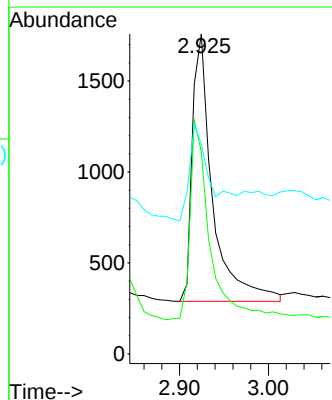
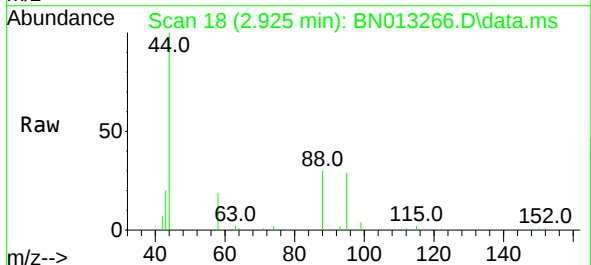
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BNA\_N  
ClientSampleId :  
DUP05-20201211

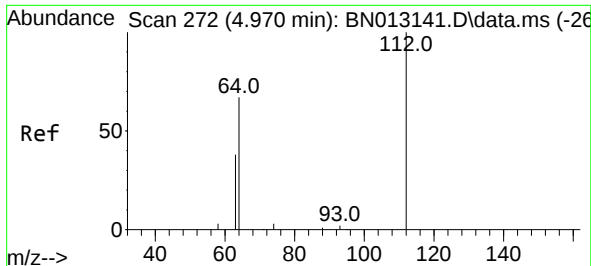
Tgt Ion: 152 Resp: 637  
Ion Ratio Lower Upper  
152 100  
150 146.6 116.6 174.8  
115 75.4 52.9 79.3



#2  
1,4-Dioxane  
Concen: 2.10 ng  
RT: 2.925 min Scan# 18  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion: 88 Resp: 2328  
Ion Ratio Lower Upper  
88 100  
58 73.8 59.4 89.2  
43 40.1 32.3 48.5

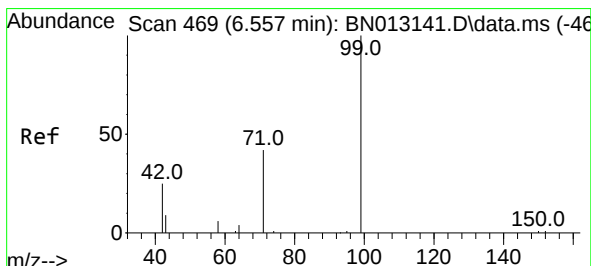
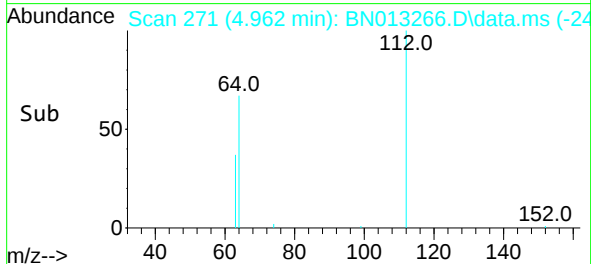
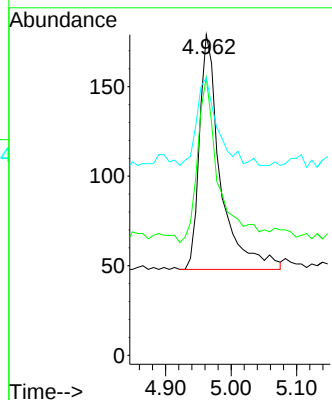
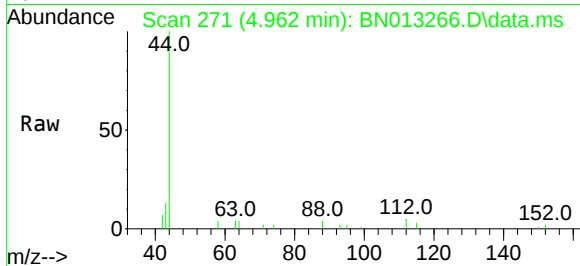




#4  
2-Fluorophenol  
Concen: 0.11 ng  
RT: 4.962 min Scan# 271  
Delta R.T. 0.008 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

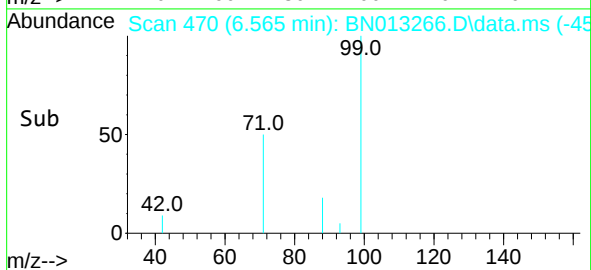
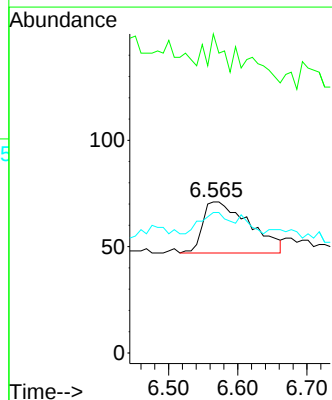
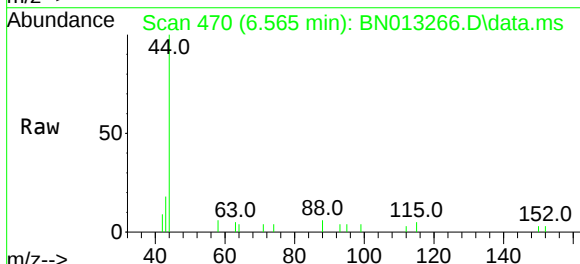
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BNA\_N  
ClientSampleId :  
DUP05-20201211

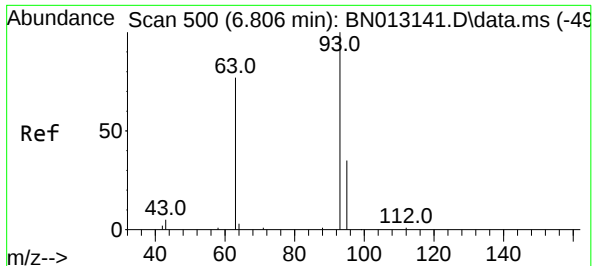
Tgt Ion:112 Resp: 292  
Ion Ratio Lower Upper  
112 100  
64 72.3 49.5 74.3  
63 40.4 32.0 48.0



#5  
Phenol-d6  
Concen: 0.04 ng  
RT: 6.565 min Scan# 470  
Delta R.T. 0.024 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion: 99 Resp: 114  
Ion Ratio Lower Upper  
99 100  
42 22.8 22.4 33.6  
71 25.4 37.8 56.6#

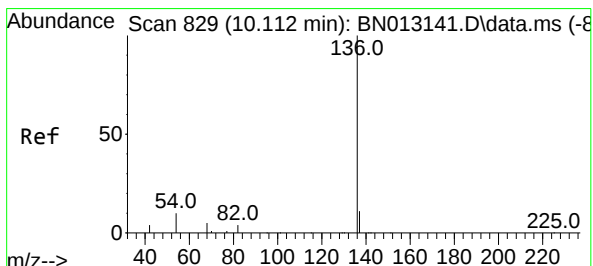
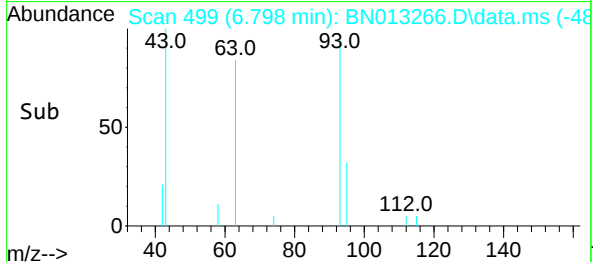
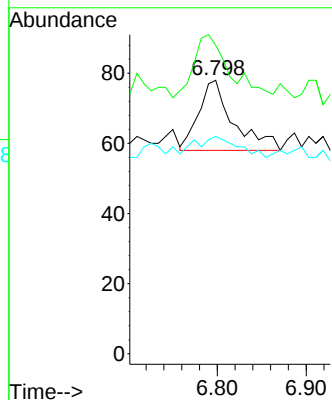
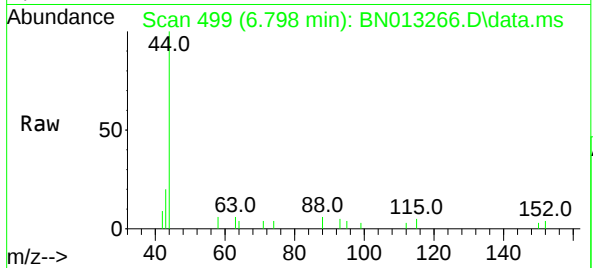




#6  
bis(2-Chloroethyl)ether  
Concen: 0.03 ng  
RT: 6.798 min Scan# 499  
Delta R.T. 0.016 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

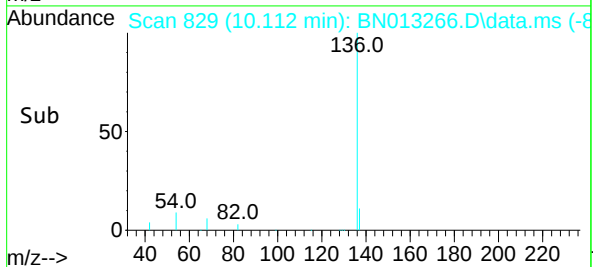
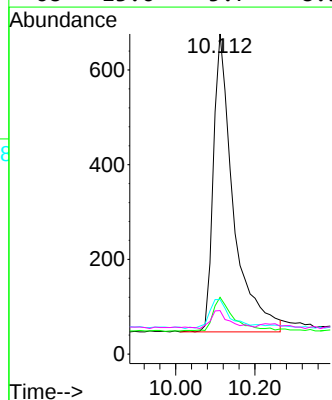
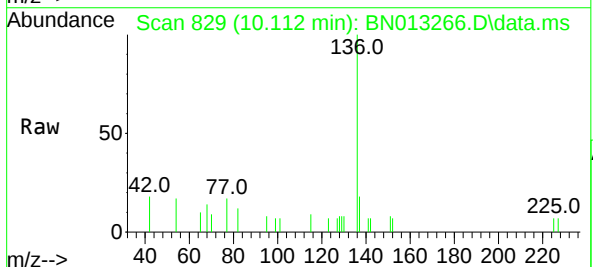
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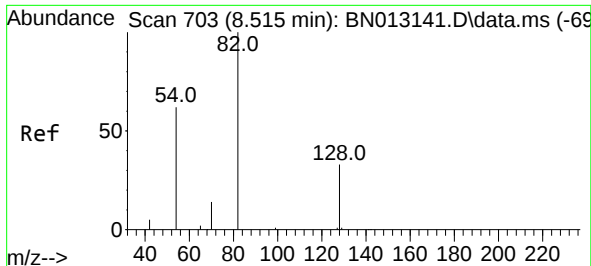
Tgt Ion: 93 Resp: 54  
Ion Ratio Lower Upper  
93 100  
63 98.1 63.1 94.7#  
95 40.7 26.1 39.1#



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.112 min Scan# 829  
Delta R.T. 0.013 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion: 136 Resp: 2204  
Ion Ratio Lower Upper  
136 100  
137 17.8 10.6 15.8#  
54 17.0 8.6 12.8#  
68 13.6 5.7 8.5#

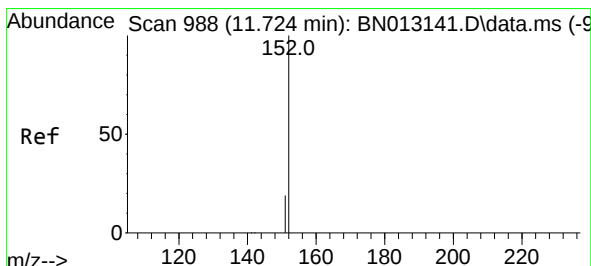
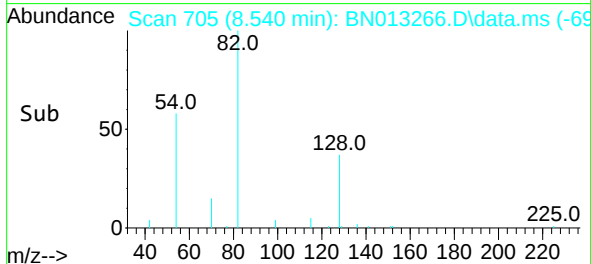
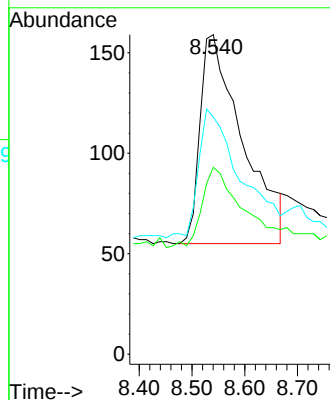
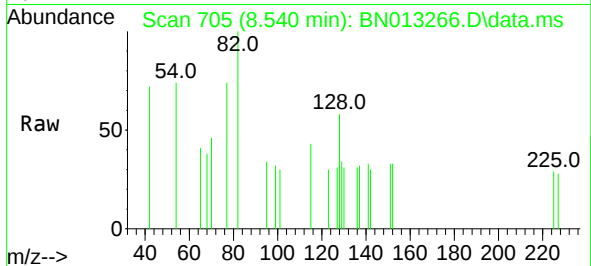




#8  
Nitrobenzene-d5  
Concen: 0.26 ng  
RT: 8.540 min Scan# 705  
Delta R.T. 0.038 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

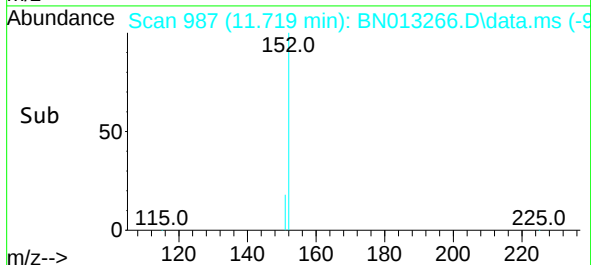
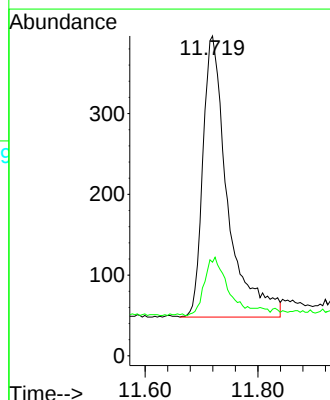
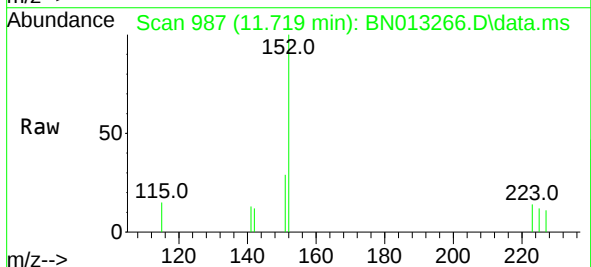
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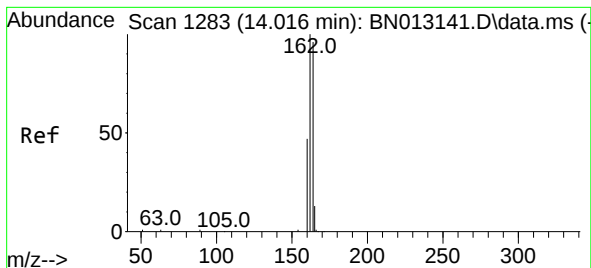
Tgt Ion: 82 Resp: 582  
Ion Ratio Lower Upper  
82 100  
128 58.5 30.6 46.0#  
54 74.2 48.3 72.5#



#11  
2-Methylnaphthalene-d10  
Concen: 0.27 ng  
RT: 11.719 min Scan# 987  
Delta R.T. 0.013 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion: 152 Resp: 1059  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.7 25.1

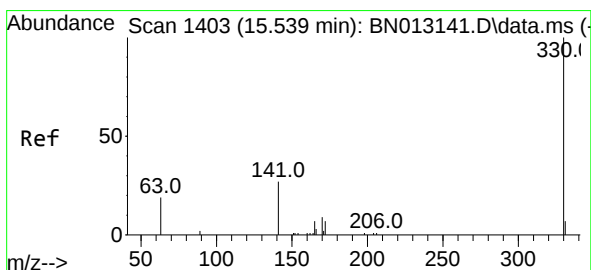
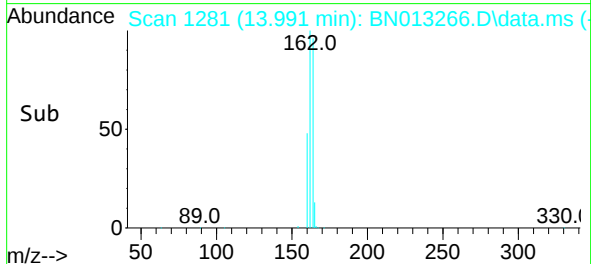
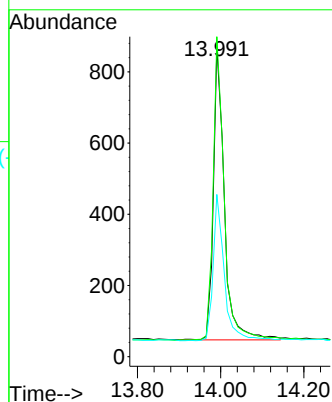
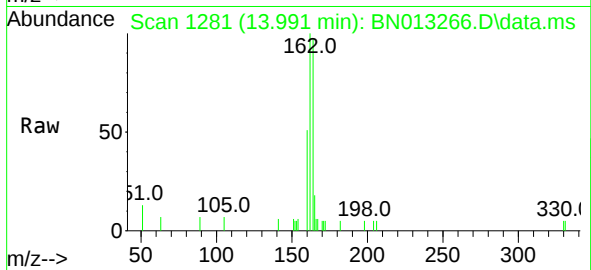




#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 13.991 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

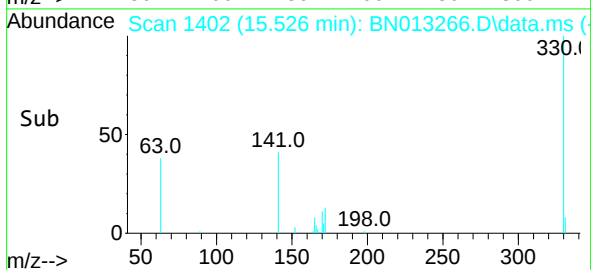
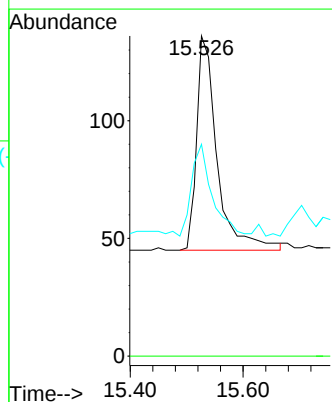
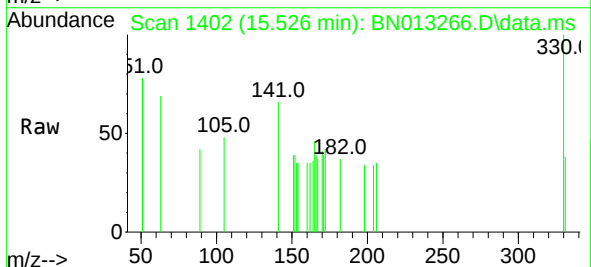
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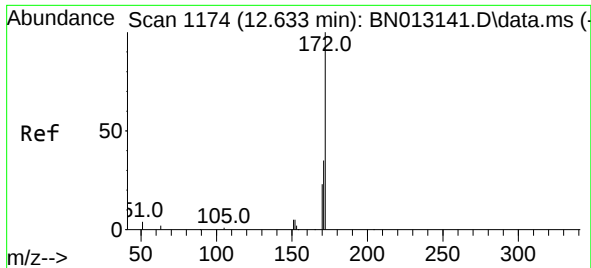
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|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 1515  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 103.5 | 80.6  | 120.8 |
| 160      | 52.5  | 39.5  | 59.3  |



#14  
2,4,6-Tribromophenol  
Concen: 0.24 ng  
RT: 15.526 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 230   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 0.0   | 0.0   | 0.0   |
| 141      | 41.7  | 34.4  | 51.6  |

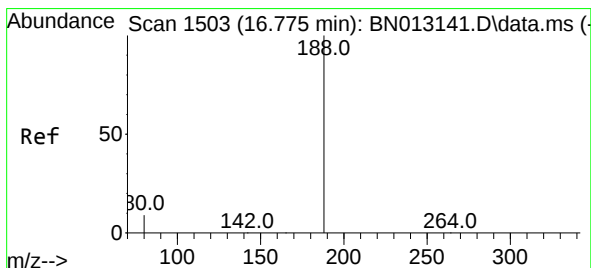
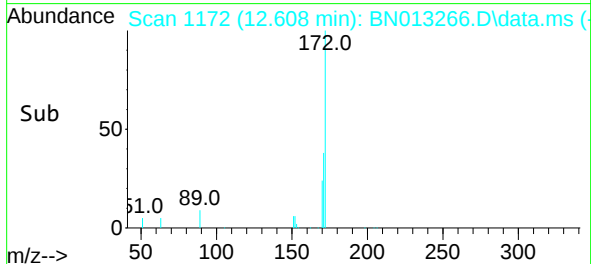
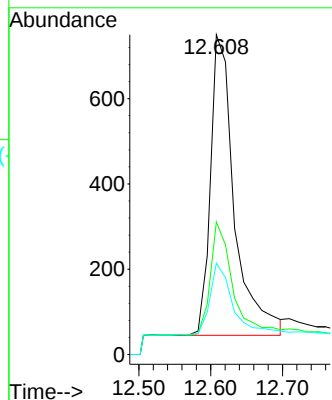
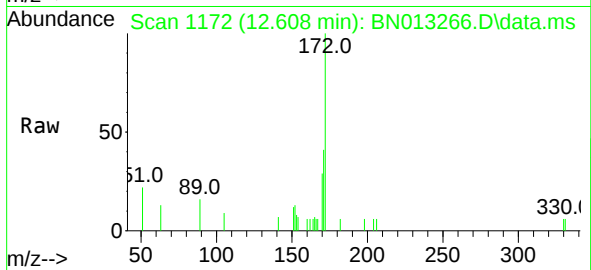




#15  
2-Fluorobiphenyl  
Concen: 0.26 ng  
RT: 12.608 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

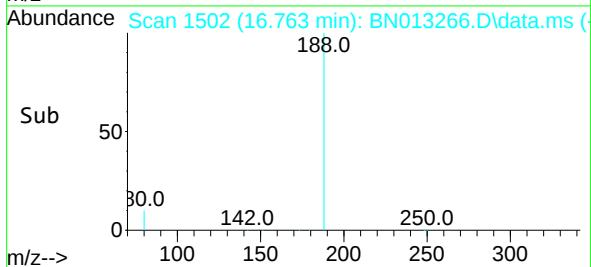
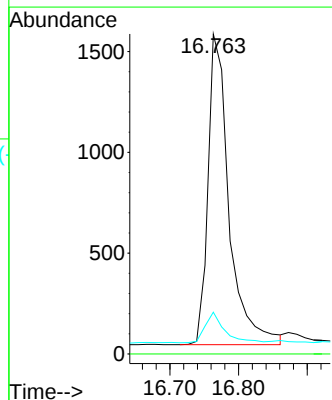
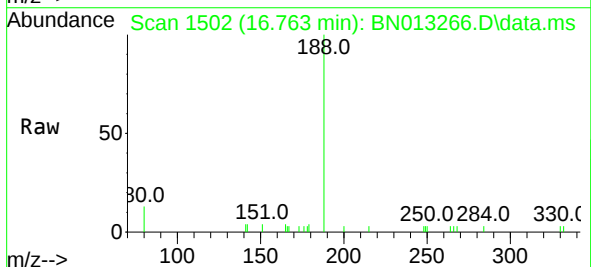
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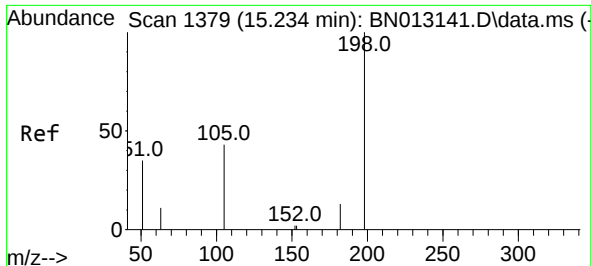
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 1635 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 41.5  | 28.2  | 42.4 |
| 170       | 28.5  | 20.0  | 30.0 |



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.763 min Scan# 1502  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3276 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 13.0  | 5.0   | 7.4# |

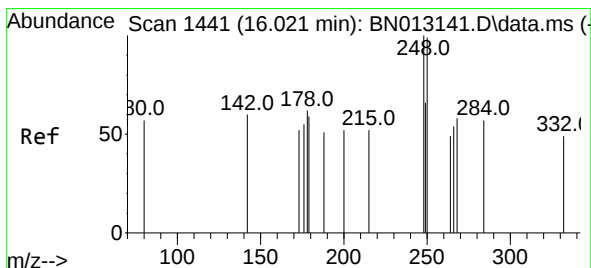
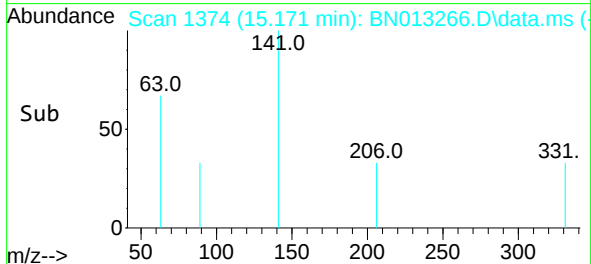
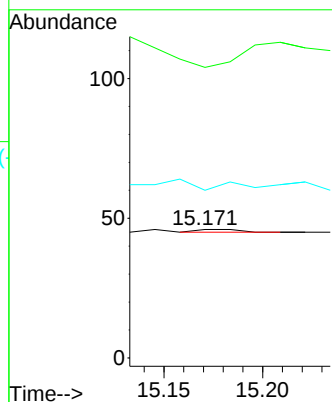
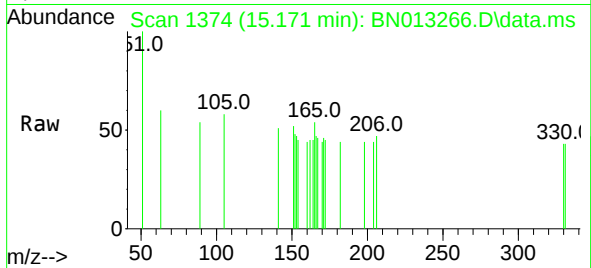




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.19 ng  
RT: 15.171 min Scan# 1374  
Delta R.T. -0.051 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

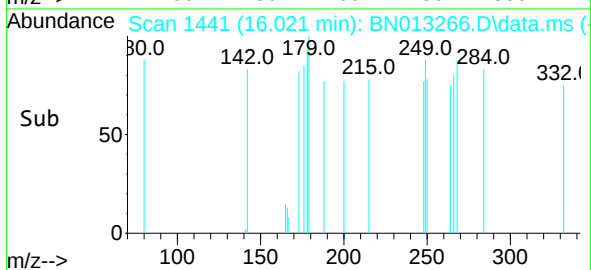
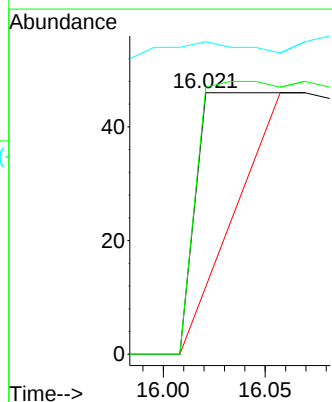
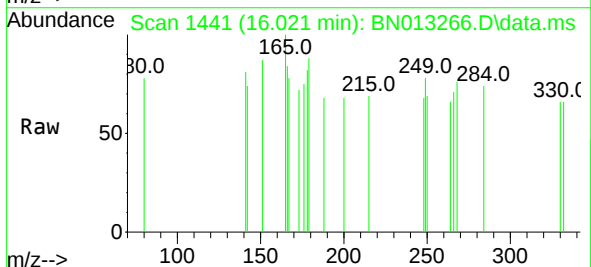
Instrument :  
BNA\_N  
ClientSampleId :  
DUP05-20201211

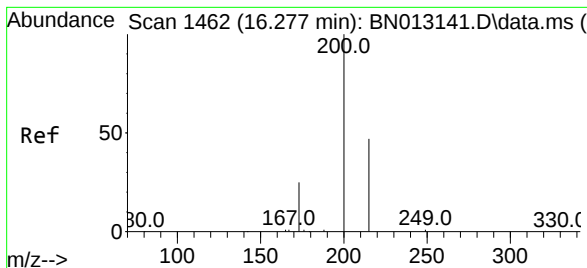
Tgt Ion:198 Resp: 2  
Ion Ratio Lower Upper  
198 100  
51 226.1 43.5 65.3#  
105 130.4 27.2 40.8#



#21  
4-Bromophenyl-phenylether  
Concen: 0.11 ng  
RT: 16.021 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

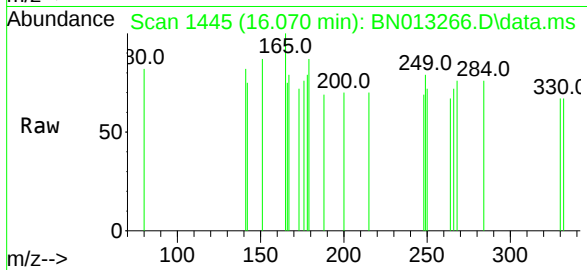
Tgt Ion:248 Resp: 68  
Ion Ratio Lower Upper  
248 100  
250 102.2 77.3 115.9  
141 119.6 57.8 86.8#



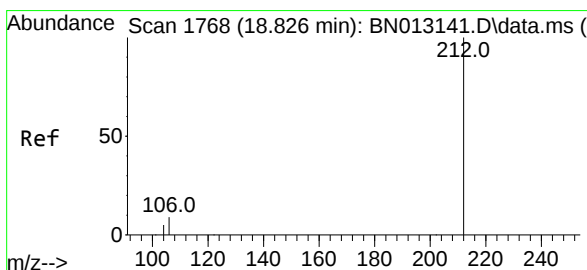
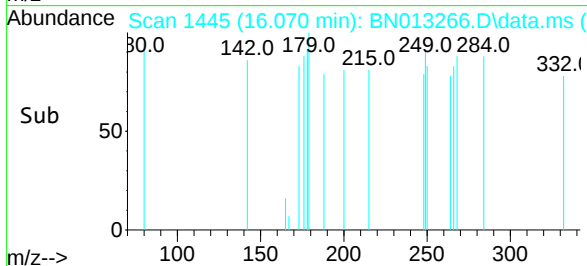
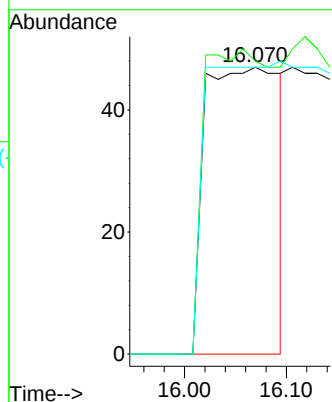


#23  
Atrazine  
Concen: 0.12 ng  
RT: 16.070 min Scan# 1445  
Delta R.T. -0.195 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Instrument :  
BNA\_N  
ClientSampleId :  
DUP05-20201211

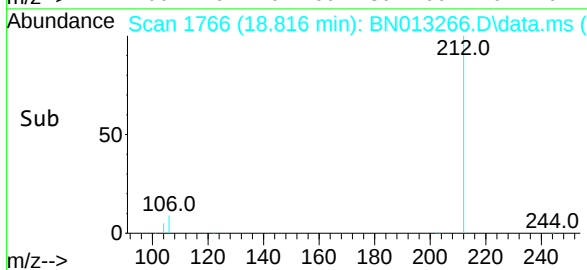
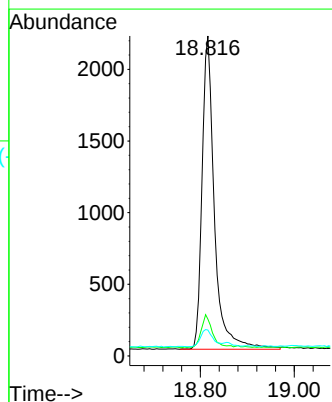
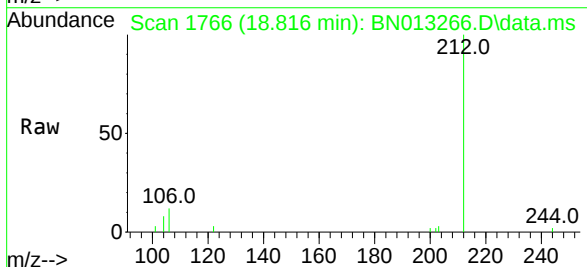


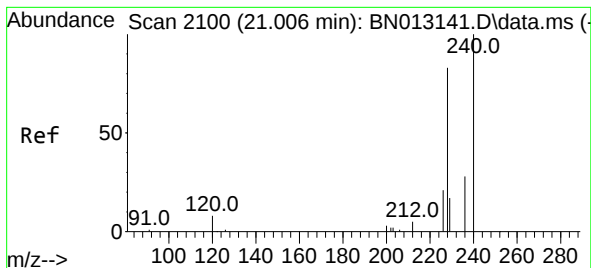
Tgt Ion:200 Resp: 238  
Ion Ratio Lower Upper  
200 100  
173 102.1 22.8 34.2#  
215 100.0 38.1 57.1#



#27  
Fluoranthene-d10  
Concen: 0.37 ng  
RT: 18.816 min Scan# 1766  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion:212 Resp: 3990  
Ion Ratio Lower Upper  
212 100  
106 9.4 6.8 10.2  
104 5.5 4.1 6.1





#29

Chrysene-d12

Concen: 0.40 ng

RT: 20.995 min Scan# 2099

Delta R.T. -0.000 min

Lab File: BN013266.D

Acq: 22 Dec 2020 10:59

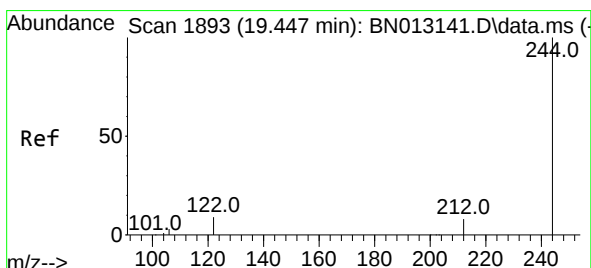
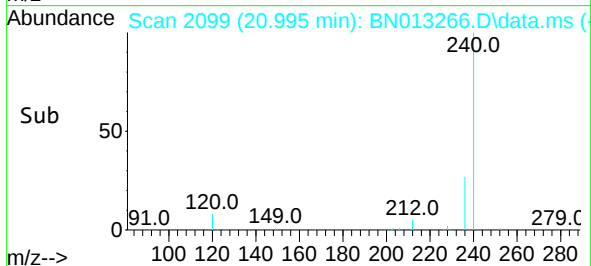
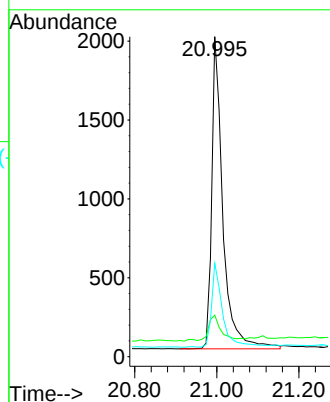
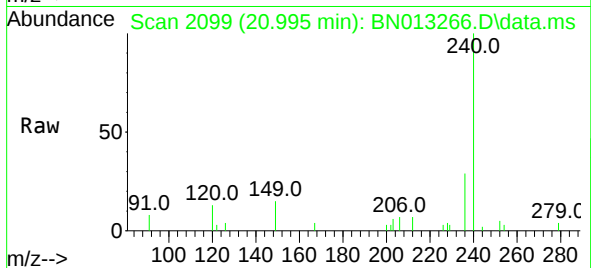
Tgt Ion:240 Resp: 3719

Ion Ratio Lower Upper

240 100

120 13.0 5.3 7.9#

236 29.2 21.8 32.8



#31

Terphenyl-d14

Concen: 0.36 ng

RT: 19.431 min Scan# 1890

Delta R.T. -0.000 min

Lab File: BN013266.D

Acq: 22 Dec 2020 10:59

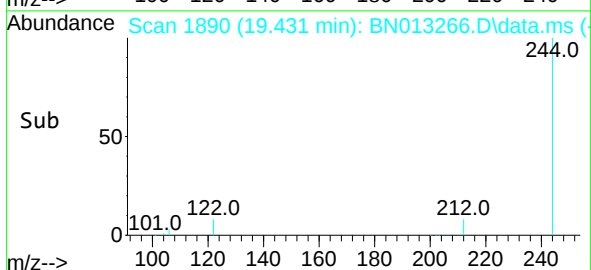
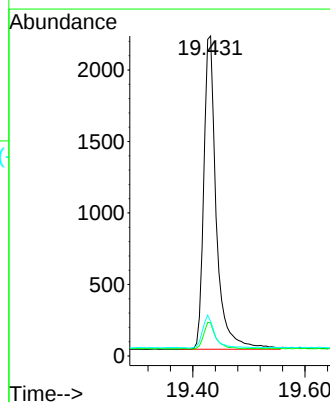
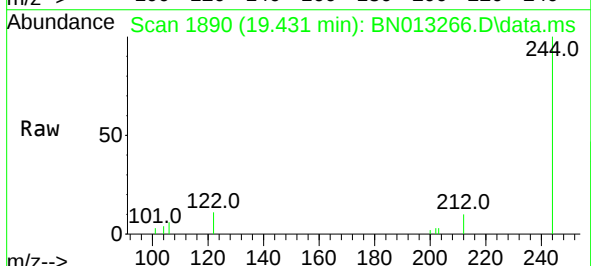
Tgt Ion:244 Resp: 3403

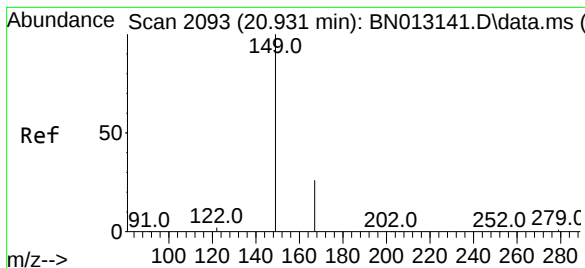
Ion Ratio Lower Upper

244 100

212 10.4 7.3 10.9

122 10.8 7.3 10.9

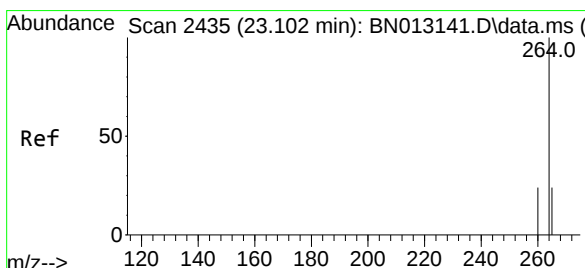
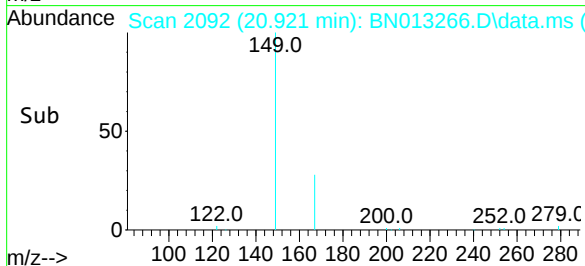
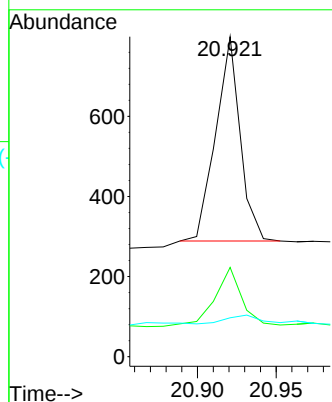
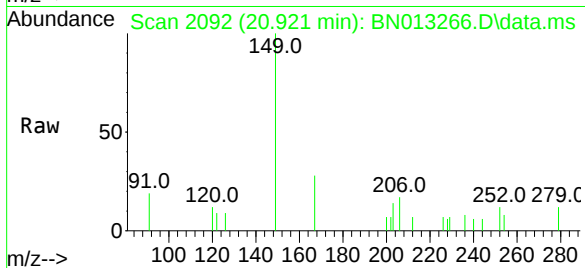




#34  
Bis(2-ethylhexyl)phthalate  
Concen: Below Cal  
RT: 20.921 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Instrument :  
BNA\_N  
ClientSampleId :  
DUP05-20201211

Tgt Ion:149 Resp: 549  
Ion Ratio Lower Upper  
149 100  
167 29.5 23.2 34.8  
279 5.8 3.9 5.9



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.085 min Scan# 2430  
Delta R.T. -0.000 min  
Lab File: BN013266.D  
Acq: 22 Dec 2020 10:59

Tgt Ion:264 Resp: 4230  
Ion Ratio Lower Upper  
264 100  
260 26.0 19.8 29.6  
265 71.0 51.4 77.0

