

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070721\  
 Data File : BN015379.D  
 Acq On : 07 Jul 2021 18:25  
 Operator : CG/JU  
 Sample : M2923-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-05-08-13-070121

Quant Time: Jul 07 19:03:40 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 07 11:11:38 2021  
 Response via : Initial Calibration

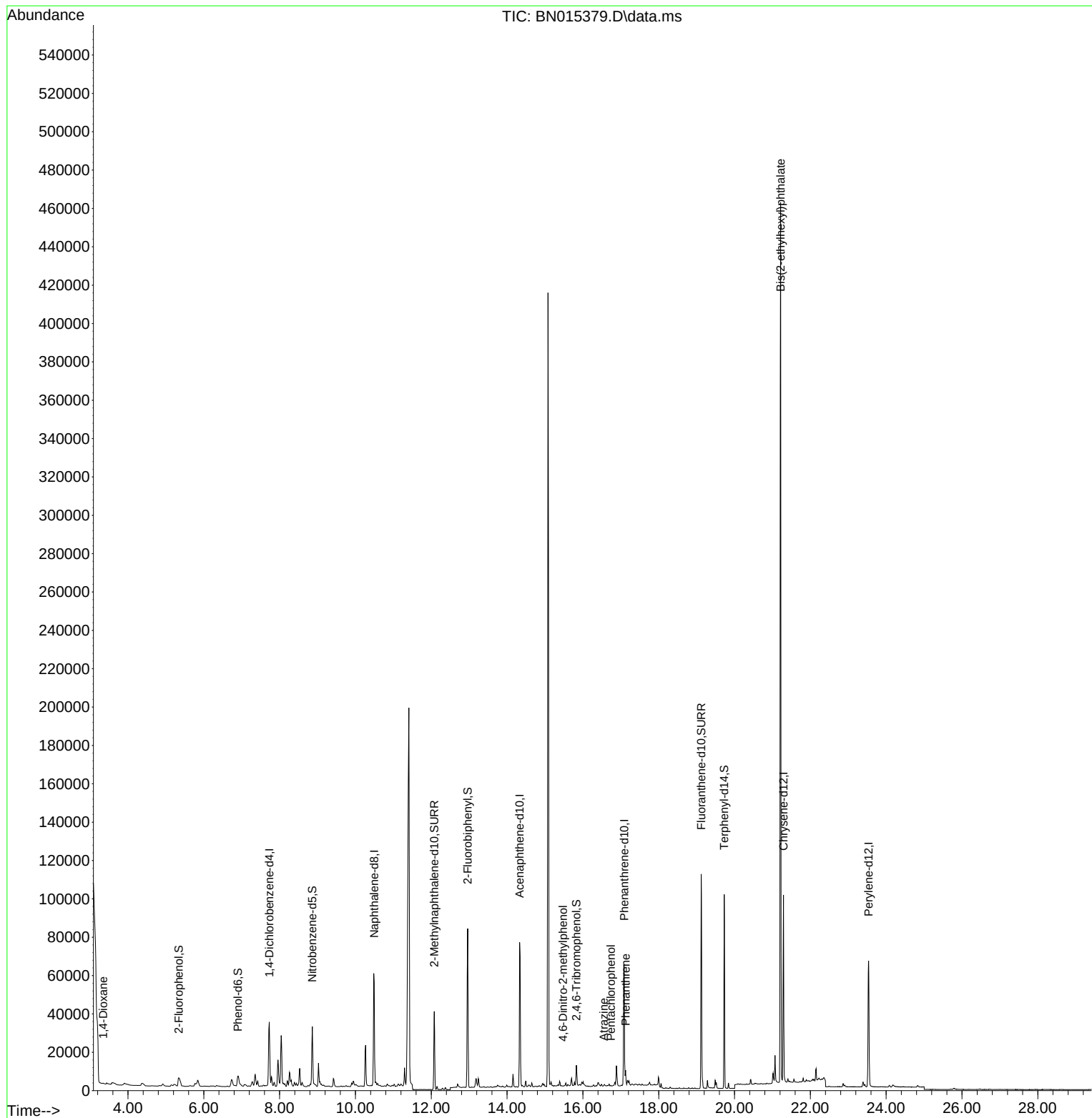
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.725  | 152  | 18890    | 0.400 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.495 | 136  | 86867    | 0.400 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.332 | 164  | 49018    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.091 | 188  | 97331    | 0.400 | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.291 | 240  | 87253    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.536 | 264  | 84973    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.337  | 112  | 9187     | 0.191 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.896  | 99   | 6971     | 0.115 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.861  | 82   | 26153    | 0.538 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.078 | 152  | 54246    | 0.377 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.829 | 330  | 7606     | 0.580 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.962 | 172  | 73830    | 0.371 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.123 | 212  | 123266   | 0.429 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.728 | 244  | 96190    | 0.471 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.346  | 88   | 698      | 0.079 | ng    | # 78     |
| 20) 4,6-Dinitro-2-methylph... | 15.474 | 198  | 40       | 0.214 | ng    | # 21     |
| 23) Atrazine                  | 16.555 | 200  | 79       | 0.174 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.738 | 266  | 123      | 0.253 | ng    | 94       |
| 25) Phenanthrene              | 17.127 | 178  | 7973     | 0.025 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.217 | 149  | 440926   | 3.068 | ng    | # 88     |
| -----                         |        |      |          |       |       |          |

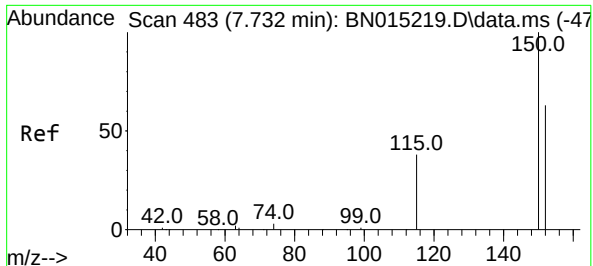
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070721\  
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Quant Time: Jul 07 19:03:40 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN063021.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 07 11:11:38 2021  
Response via : Initial Calibration

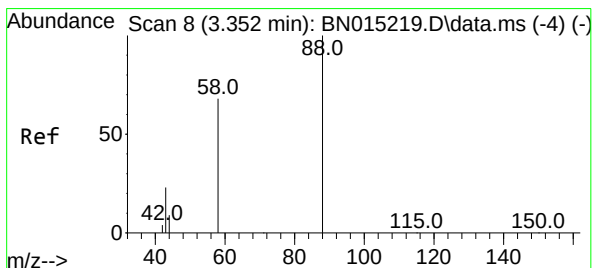
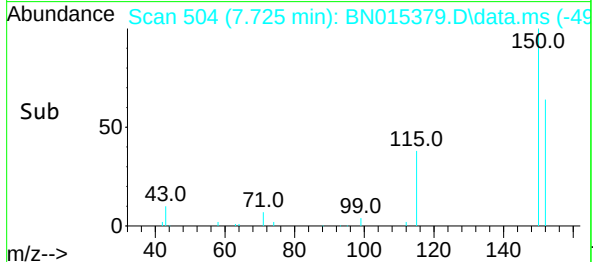
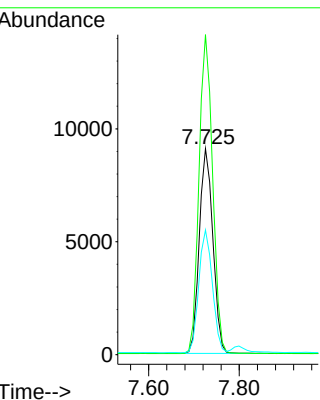
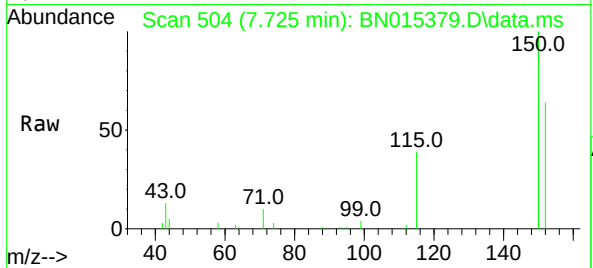




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.725 min Scan# 504  
 Delta R.T. 0.000 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

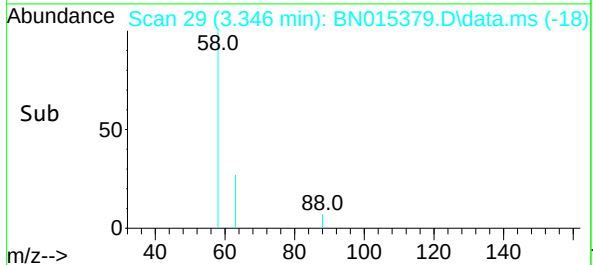
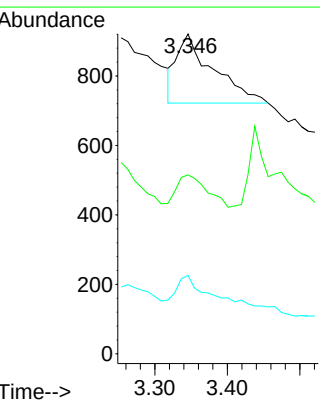
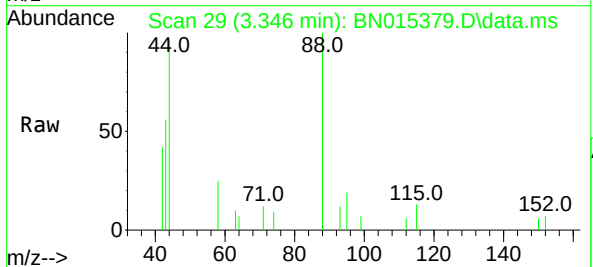
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-05-08-13-070121

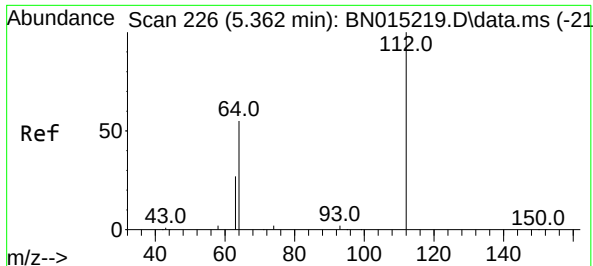
Tgt Ion: 152 Resp: 18890  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 119.0 178.6  
 115 60.5 62.2 93.4#



#2  
 1,4-Dioxane  
 Concen: 0.079 ng  
 RT: 3.346 min Scan# 29  
 Delta R.T. 0.000 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

Tgt Ion: 88 Resp: 698  
 Ion Ratio Lower Upper  
 88 100  
 43 38.5 12.9 19.3#  
 58 39.8 38.1 57.1

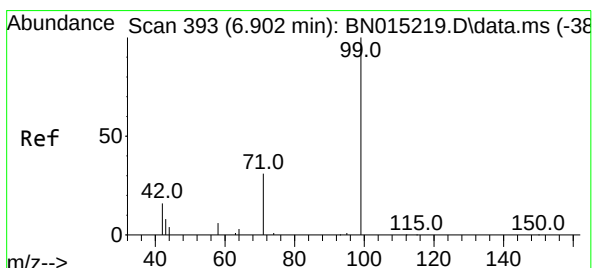
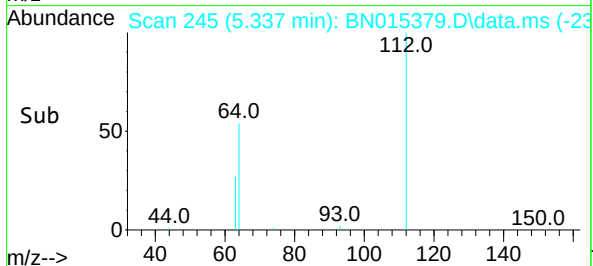
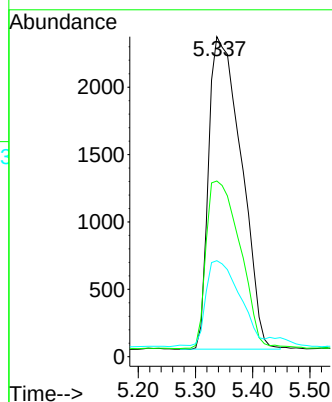
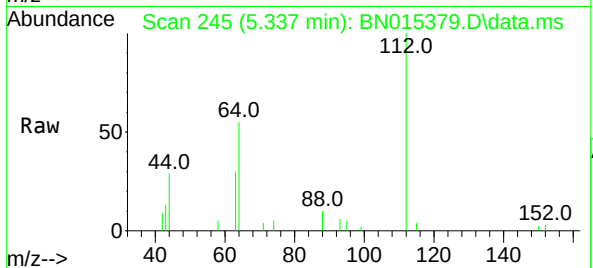




#4  
2-Fluorophenol  
Concen: 0.191 ng  
RT: 5.337 min Scan# 245  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

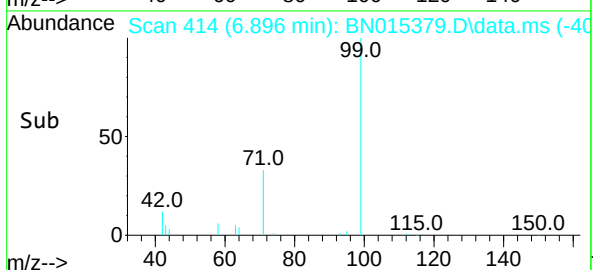
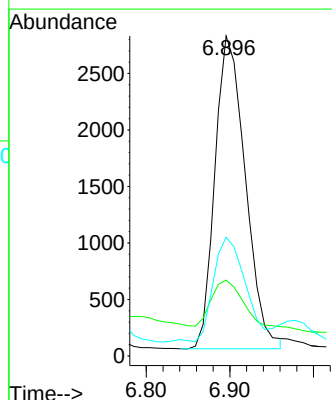
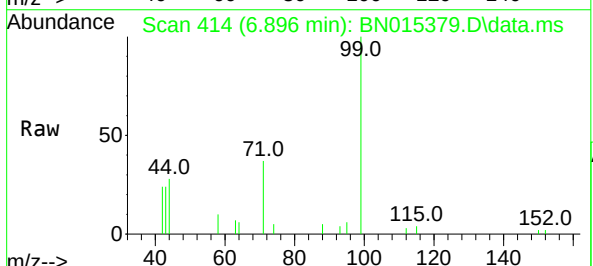
Instrument :  
BNA\_N  
ClientSampleId :  
MW-05-08-13-070121

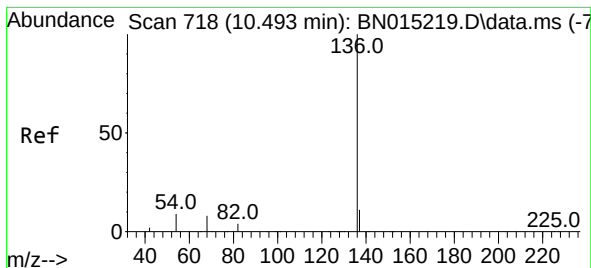
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 9187  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 55.7  | 39.0  | 58.6  |
| 63       | 28.6  | 20.6  | 30.8  |



#5  
Phenol-d6  
Concen: 0.115 ng  
RT: 6.896 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 6971  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.0  | 8.9   | 13.3# |
| 71       | 35.4  | 35.6  | 53.4# |





#7

Naphthalene-d8

Concen: 0.400 ng

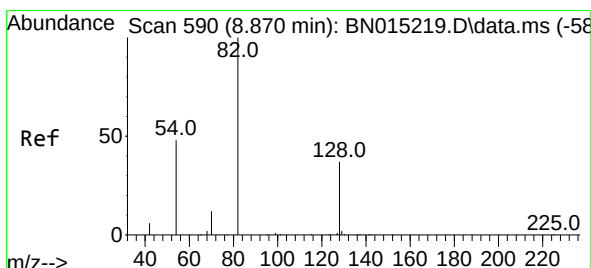
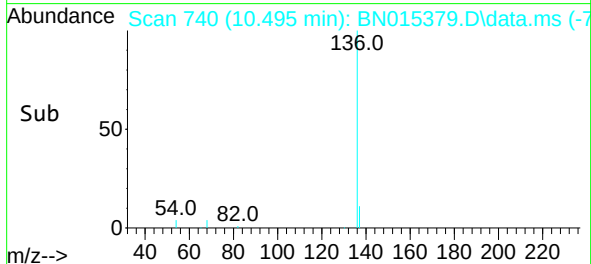
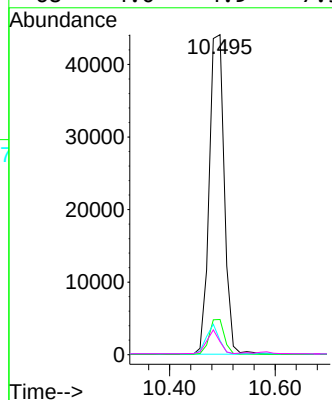
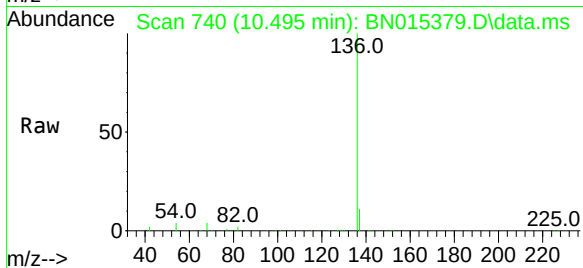
RT: 10.495 min Scan# 740

Delta R.T. 0.013 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 86867 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.0  | 9.8   | 14.8  |
| 54        | 4.4   | 5.4   | 8.2#  |
| 68        | 4.0   | 4.9   | 7.3#  |



#8

Nitrobenzene-d5

Concen: 0.538 ng

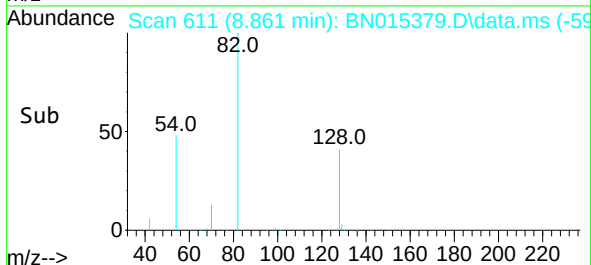
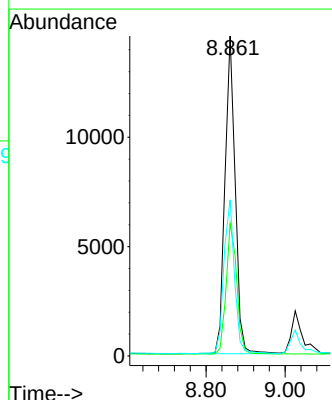
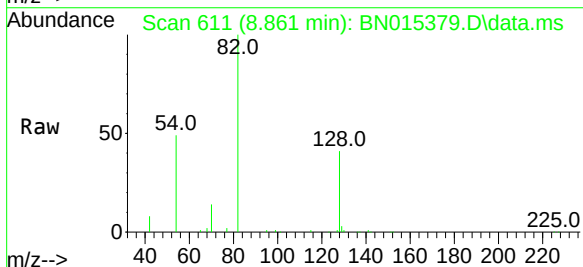
RT: 8.861 min Scan# 611

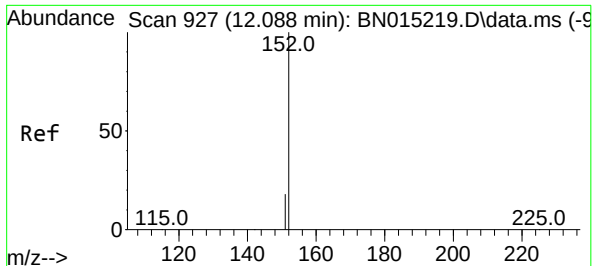
Delta R.T. 0.000 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 26153 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 41.4  | 31.6  | 47.4  |
| 54        | 48.8  | 29.0  | 43.4# |

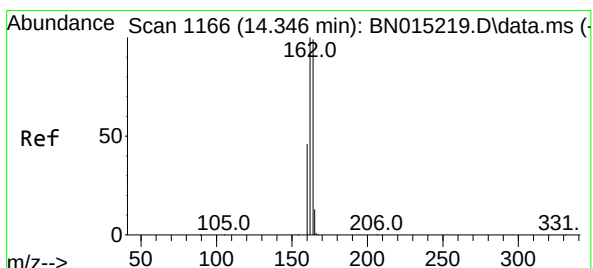
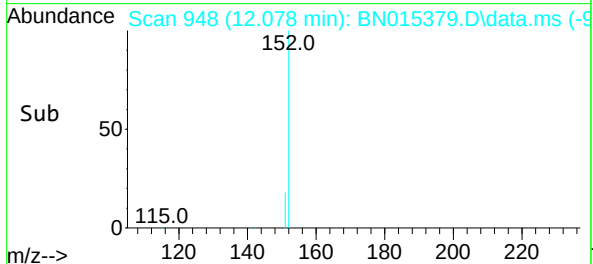
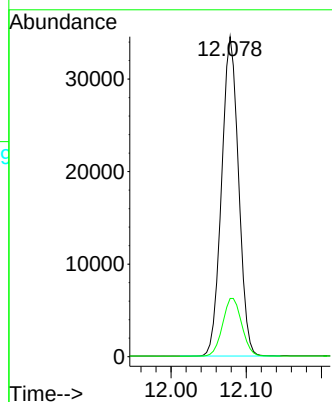
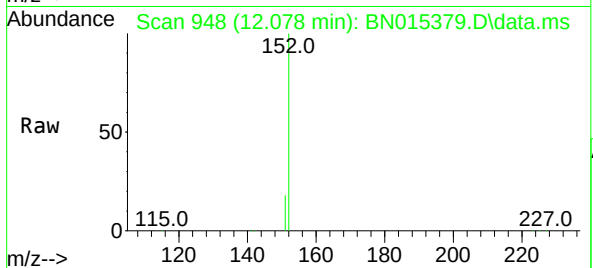




#11  
2-Methylnaphthalene-d10  
Concen: 0.377 ng  
RT: 12.078 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

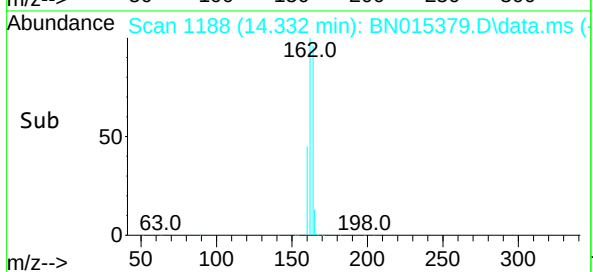
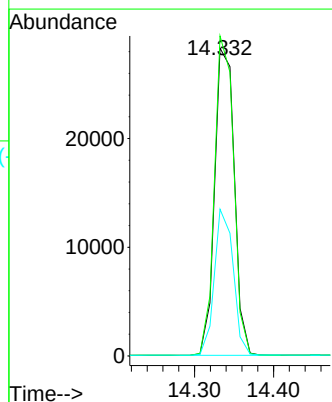
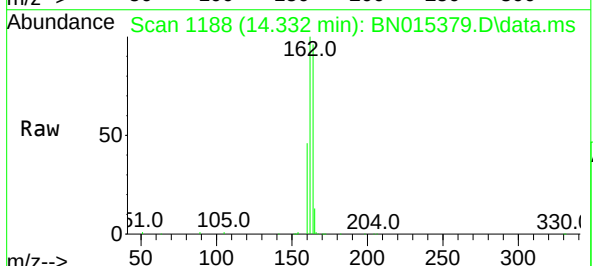
Instrument :  
BNA\_N  
ClientSampleId :  
MW-05-08-13-070121

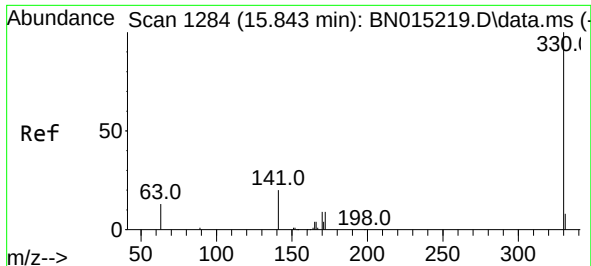
Tgt Ion:152 Resp: 54246  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.332 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

Tgt Ion:164 Resp: 49018  
Ion Ratio Lower Upper  
164 100  
162 104.0 83.8 125.6  
160 47.7 37.4 56.0

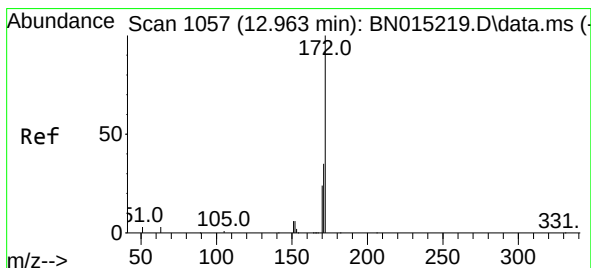
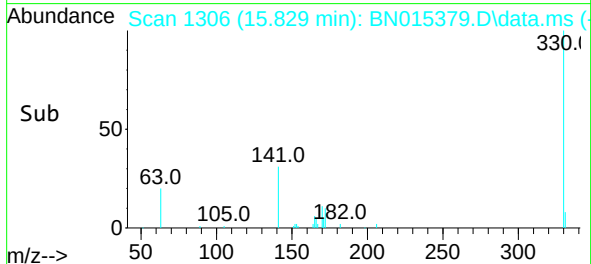
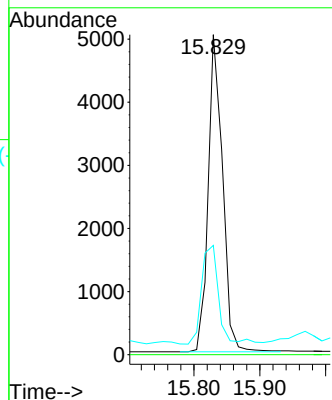
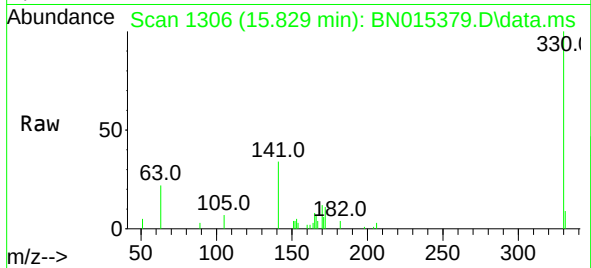




#14  
 2,4,6-Tribromophenol  
 Concen: 0.580 ng  
 RT: 15.829 min Scan# 1306  
 Delta R.T. 0.000 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

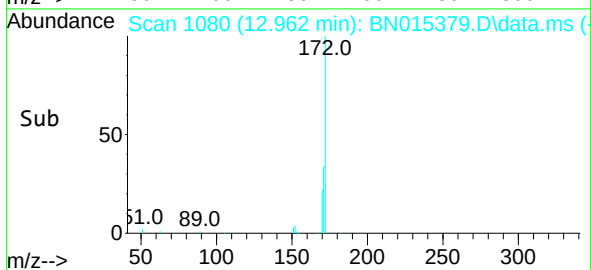
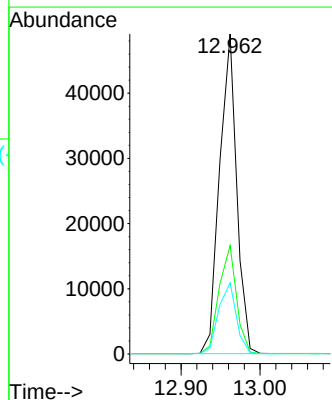
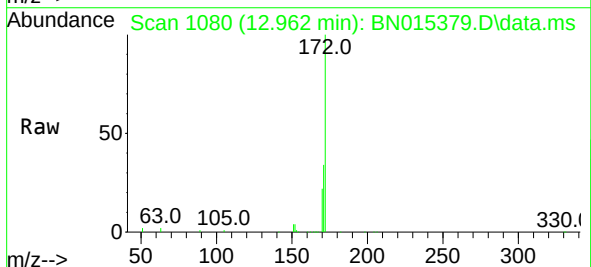
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-05-08-13-070121

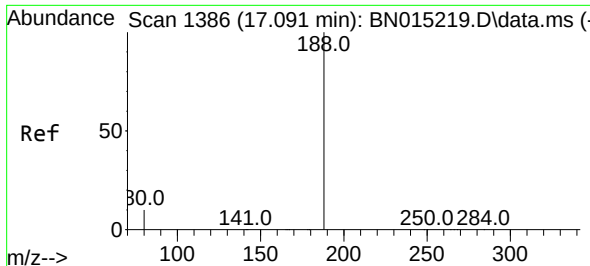
Tgt Ion: 330 Resp: 7606  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 35.8 22.4 33.6#



#15  
 2-Fluorobiphenyl  
 Concen: 0.371 ng  
 RT: 12.962 min Scan# 1080  
 Delta R.T. 0.000 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

Tgt Ion: 172 Resp: 73830  
 Ion Ratio Lower Upper  
 172 100  
 171 33.9 30.6 45.8  
 170 22.2 20.2 30.4

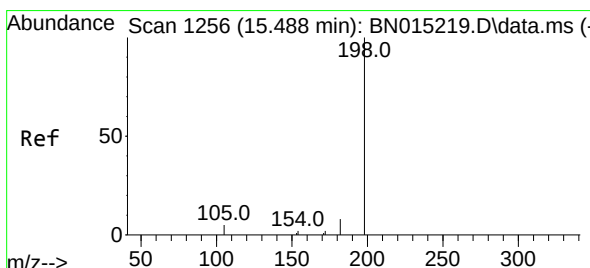
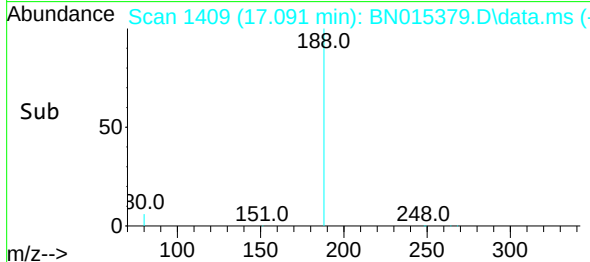
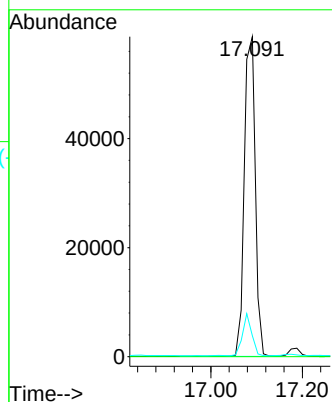
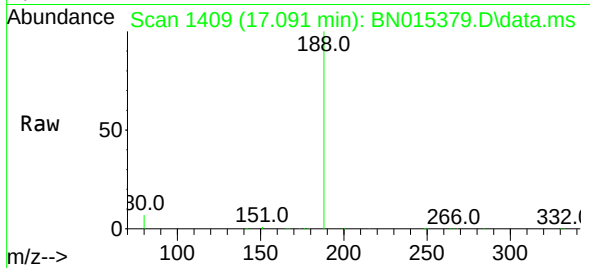




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.091 min Scan# 1409  
Delta R.T. 0.012 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

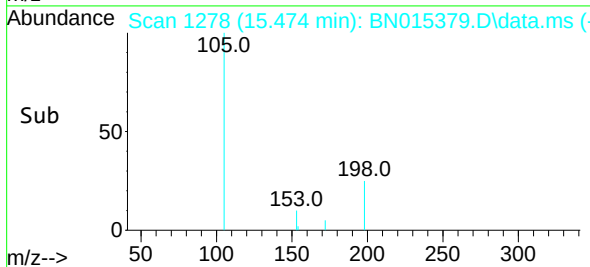
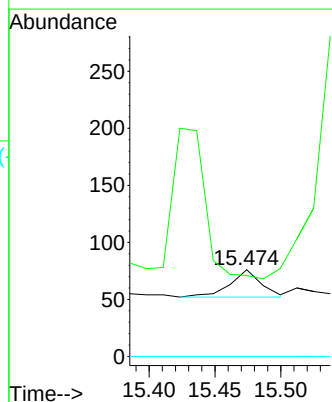
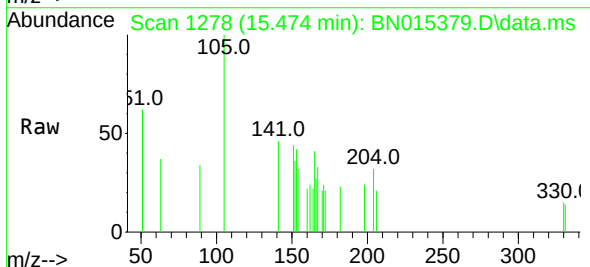
Instrument :  
BNA\_N  
ClientSampleId :  
MW-05-08-13-070121

Tgt Ion:188 Resp: 97331  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.6 9.0 13.4#

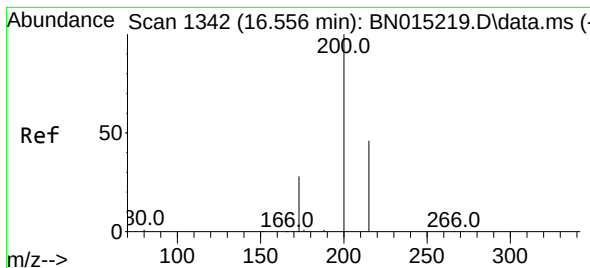


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.214 ng  
RT: 15.474 min Scan# 1278  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

Tgt Ion:198 Resp: 40  
Ion Ratio Lower Upper  
198 100  
182 93.4 34.5 51.7#  
77 0.0 0.0 0.0







#23

Atrazine

Concen: 0.174 ng

RT: 16.555 min Scan# 1365

Delta R.T. 0.012 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

Tgt Ion:200 Resp: 79

Ion Ratio Lower Upper

200 100

173 144.6 21.7 32.5#

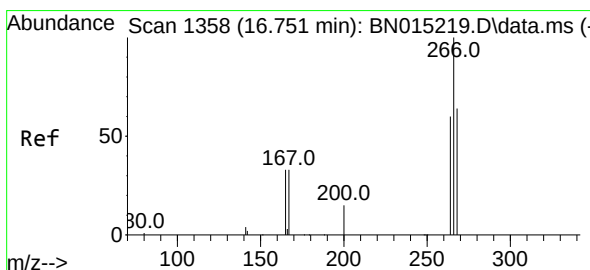
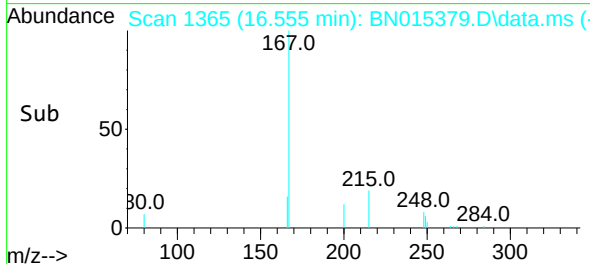
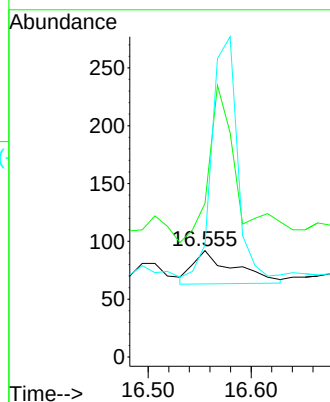
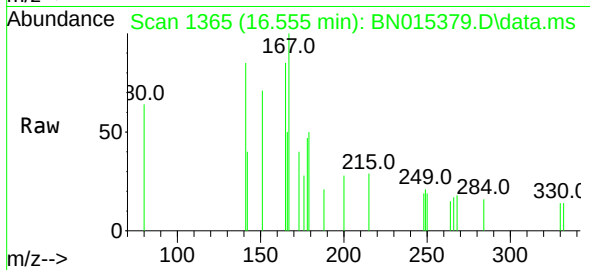
215 105.4 43.1 64.7#

Instrument :

BNA\_N

ClientSampleId :

MW-05-08-13-070121



#24

Pentachlorophenol

Concen: 0.253 ng

RT: 16.738 min Scan# 1380

Delta R.T. 0.000 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

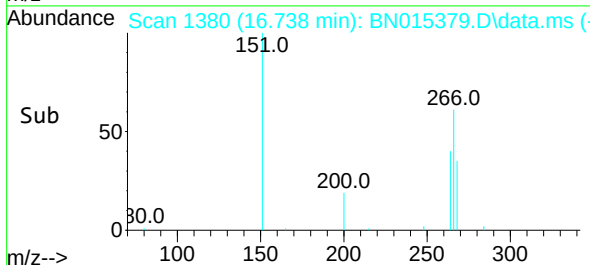
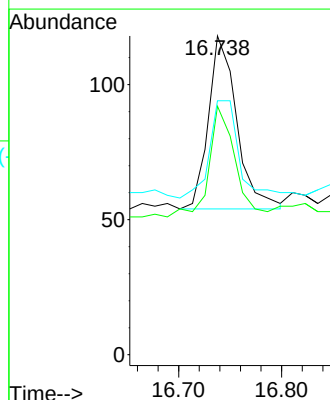
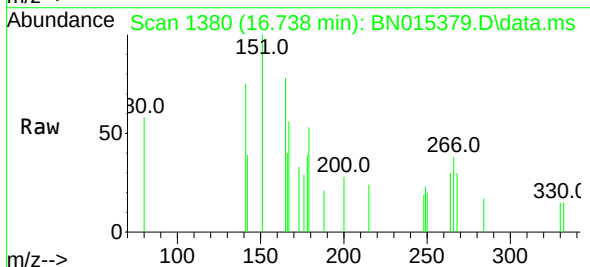
Tgt Ion:266 Resp: 123

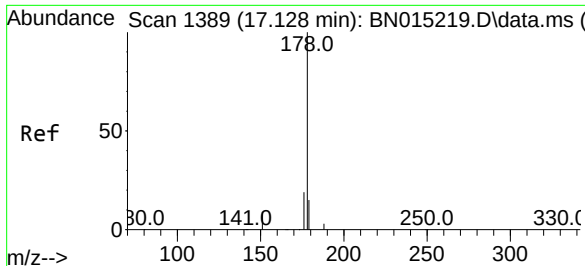
Ion Ratio Lower Upper

266 100

264 58.5 51.0 76.4

268 59.3 50.6 76.0

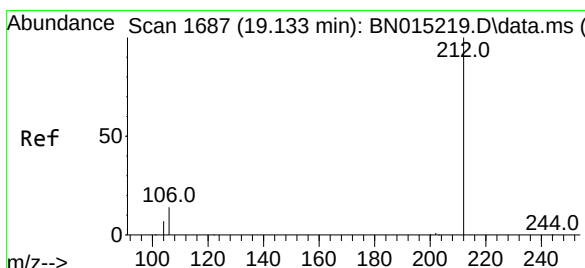
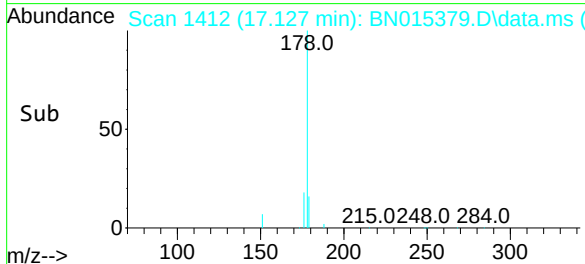
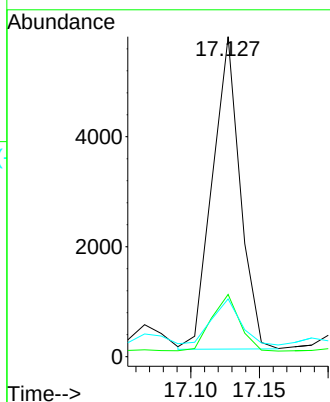
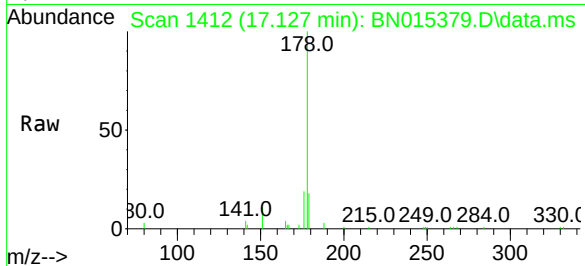




#25  
Phenanthrene  
Concen: 0.025 ng  
RT: 17.127 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

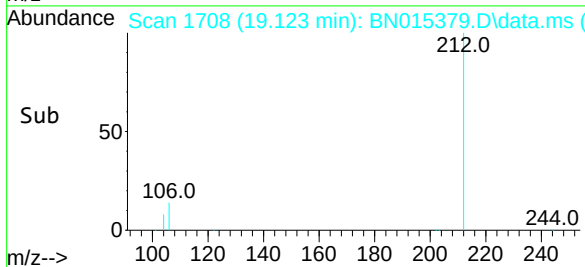
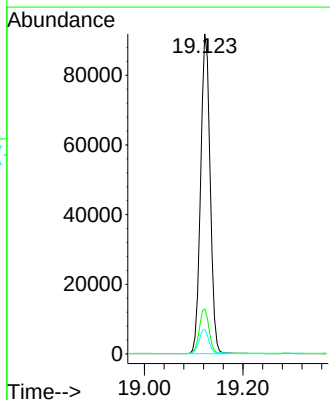
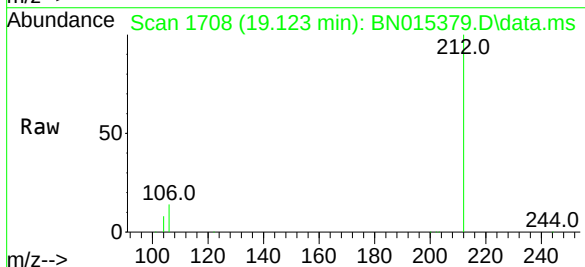
Instrument :  
BNA\_N  
ClientSampleId :  
MW-05-08-13-070121

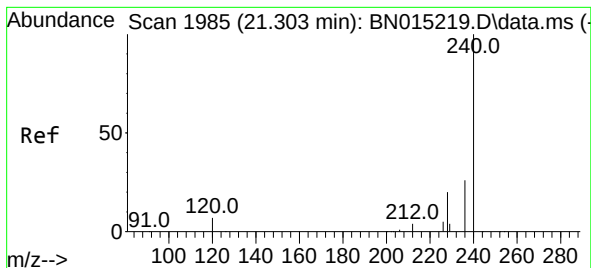
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 7973      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.6  | 15.6 23.4 |
| 179         | 16.9  | 12.1 18.1 |



#27  
Fluoranthene-d10  
Concen: 0.429 ng  
RT: 19.123 min Scan# 1708  
Delta R.T. 0.000 min  
Lab File: BN015379.D  
Acq: 07 Jul 2021 18:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:212 | Resp: | 123266    |
| Ion Ratio   | Lower | Upper     |
| 212         | 100   |           |
| 106         | 14.1  | 7.0 10.6# |
| 104         | 7.9   | 4.1 6.1#  |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.291 min Scan# 2007

Delta R.T. 0.000 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

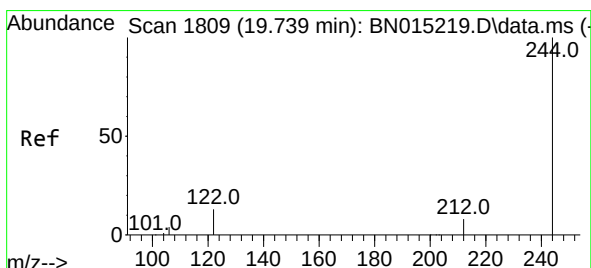
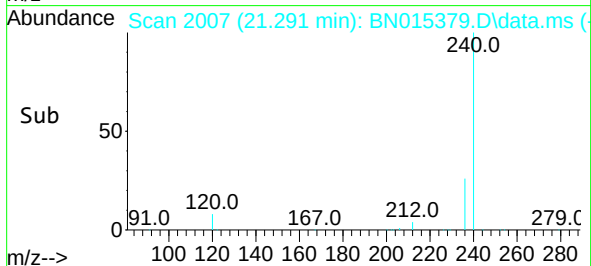
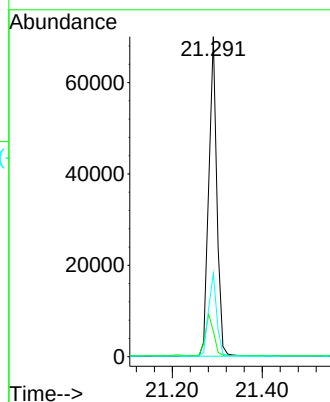
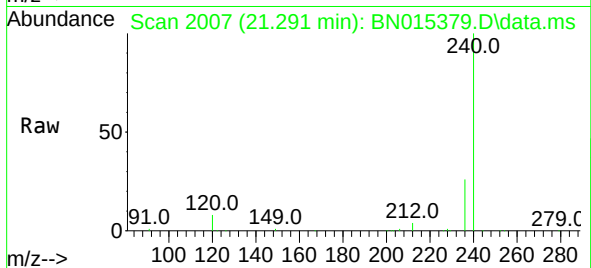
Tgt Ion:240 Resp: 87253

Ion Ratio Lower Upper

240 100

120 8.0 4.2 6.4#

236 26.0 21.4 32.2



#31

Terphenyl-d14

Concen: 0.471 ng

RT: 19.728 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BN015379.D

Acq: 07 Jul 2021 18:25

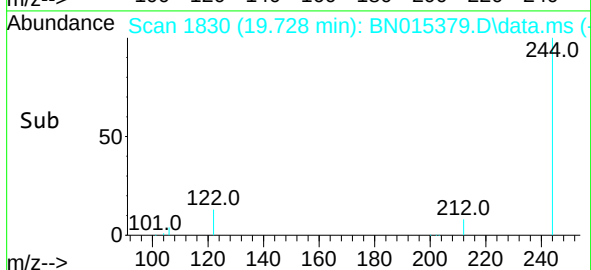
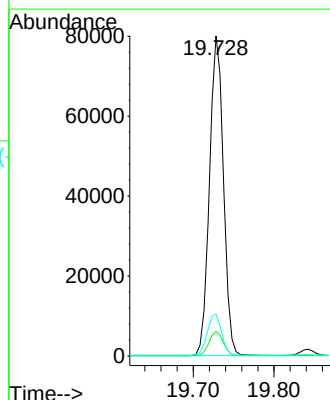
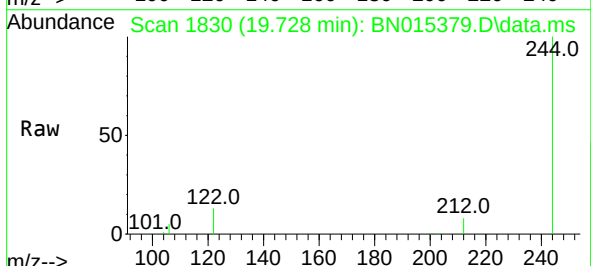
Tgt Ion:244 Resp: 96190

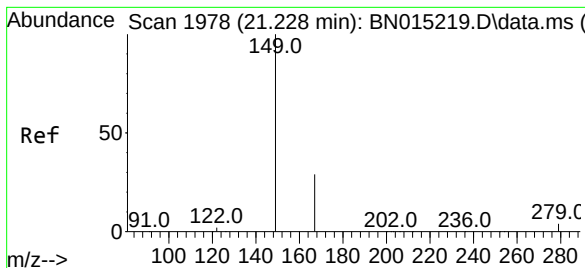
Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 13.1 6.2 9.2#

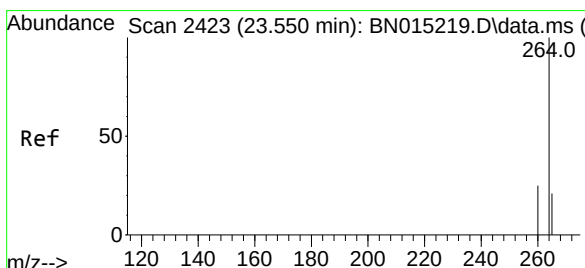
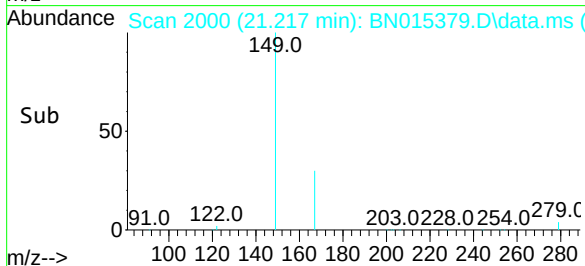
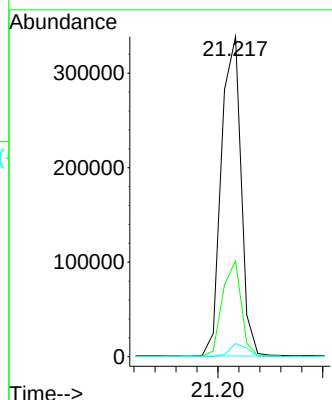
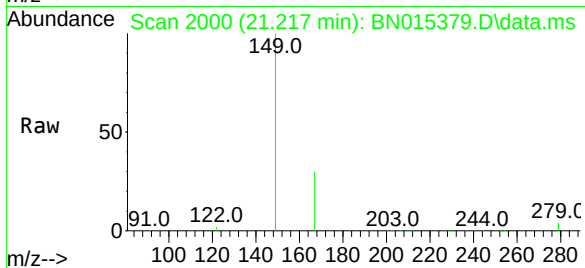




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.068 ng  
 RT: 21.217 min Scan# 2000  
 Delta R.T. 0.011 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-05-08-13-070121

Tgt Ion:149 Resp: 440926  
 Ion Ratio Lower Upper  
 149 100  
 167 28.7 28.9 43.3#  
 279 3.7 4.9 7.3#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.536 min Scan# 2442  
 Delta R.T. 0.007 min  
 Lab File: BN015379.D  
 Acq: 07 Jul 2021 18:25

Tgt Ion:264 Resp: 84973  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 20.6 31.0  
 265 23.0 21.4 32.2

