

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122623\  
 Data File : BN029191.D  
 Acq On : 26 Dec 2023 13:46  
 Operator : MA/JU  
 Sample : 05996-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWOW-BR-04A-440-460-122123

Quant Time: Dec 26 14:16:12 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 23 03:51:02 2023  
 Response via : Initial Calibration

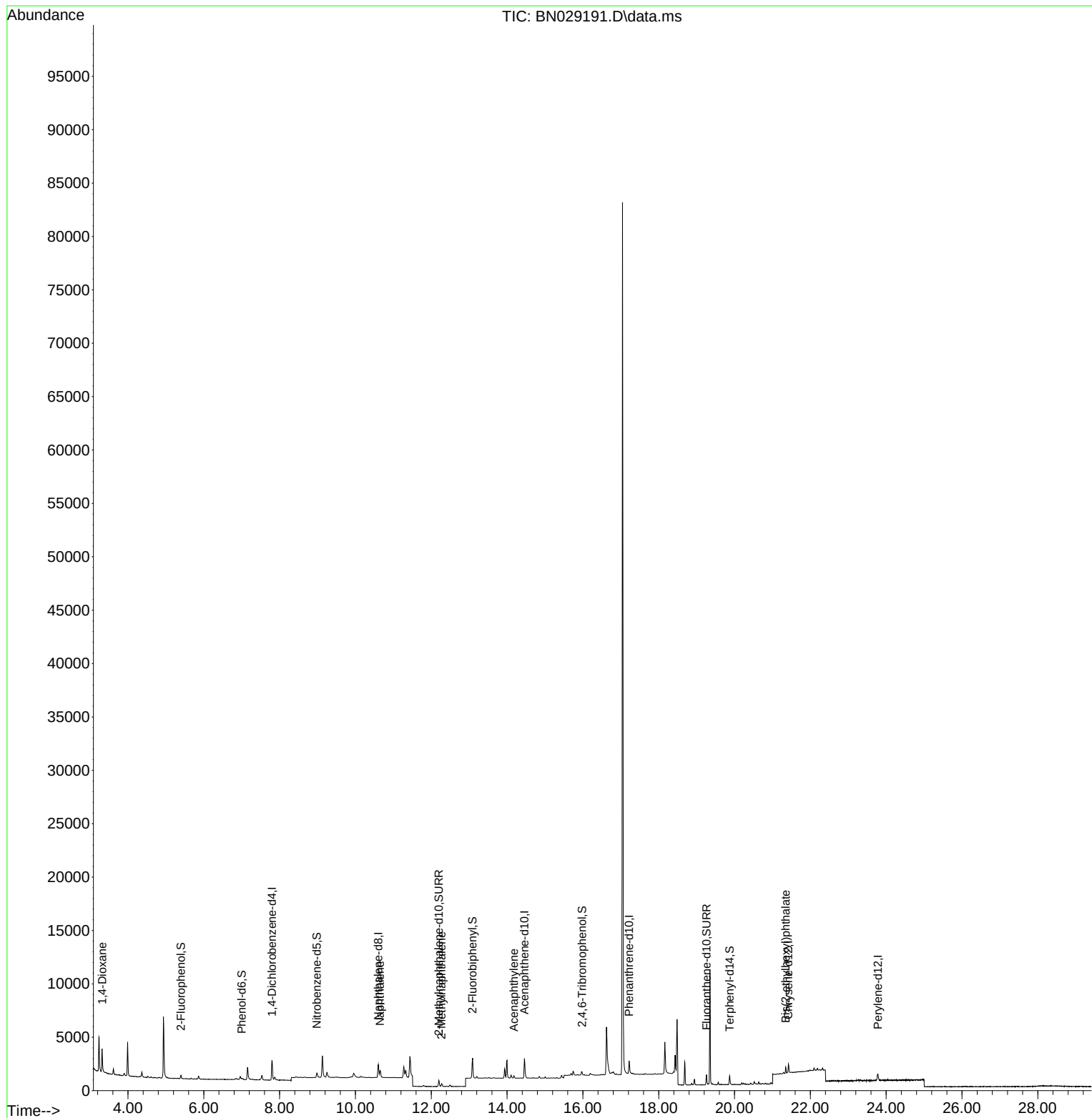
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.797  | 152  | 1027     | 0.400 | ng    | 0.01     |
| 7) Naphthalene-d8             | 10.605 | 136  | 1893     | 0.400 | ng    | 0.03     |
| 13) Acenaphthene-d10          | 14.458 | 164  | 1132     | 0.400 | ng    | 0.03     |
| 19) Phenanthrene-d10          | 17.218 | 188  | 1807     | 0.400 | ng    | # 0.04   |
| 29) Chrysene-d12              | 21.420 | 240  | 731      | 0.400 | ng    | 0.04     |
| 35) Perylene-d12              | 23.780 | 264  | 928      | 0.400 | ng    | 0.07     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 254      | 0.108 | ng    | 0.01     |
| 5) Phenol-d6                  | 7.002  | 99   | 131      | 0.050 | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 533      | 0.226 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.200 | 152  | 820      | 0.264 | ng    | 0.03     |
| 14) 2,4,6-Tribromophenol      | 15.977 | 330  | 226      | 0.272 | ng    | 0.05     |
| 15) 2-Fluorobiphenyl          | 13.089 | 172  | 1749     | 0.273 | ng    | 0.03     |
| 27) Fluoranthene-d10          | 19.262 | 212  | 997      | 0.264 | ng    | 0.04     |
| 31) Terphenyl-d14             | 19.870 | 244  | 631      | 0.296 | ng    | 0.04     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.319  | 88   | 1863     | 2.054 | ng    | 95       |
| 9) Naphthalene                | 10.648 | 128  | 998      | 0.171 | ng    | # 92     |
| 12) 2-Methylnaphthalene       | 12.272 | 142  | 197      | 0.048 | ng    | # 89     |
| 16) Acenaphthylene            | 14.180 | 152  | 264      | 0.035 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 713      | 0.135 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

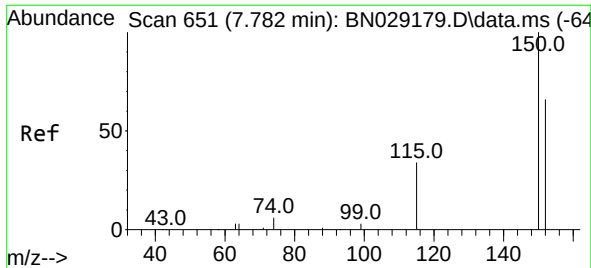
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122623\  
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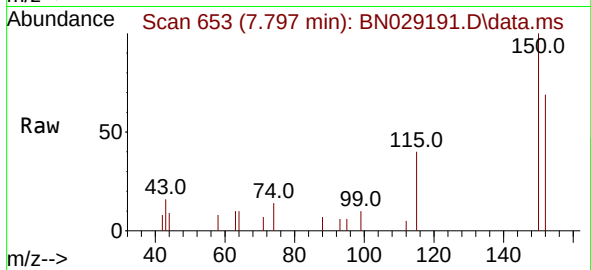
Quant Time: Dec 26 14:16:12 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 23 03:51:02 2023  
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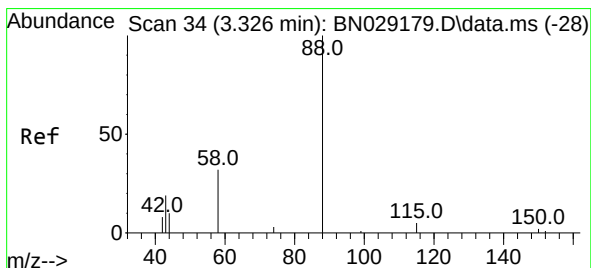
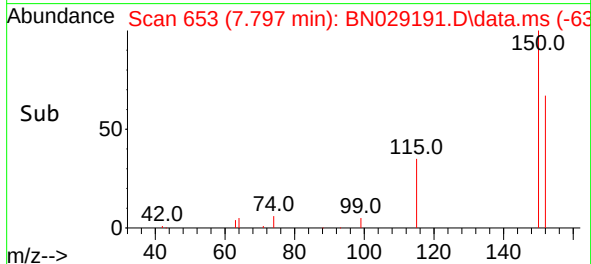
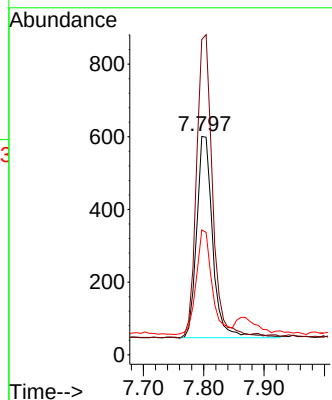
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.797 min Scan# 61  
 Delta R.T. 0.015 min  
 Lab File: BN029191.D  
 Acq: 26 Dec 2023 13:46

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWOW-BR-04A-440-460-122123



Tgt Ion: 152 Resp: 1027

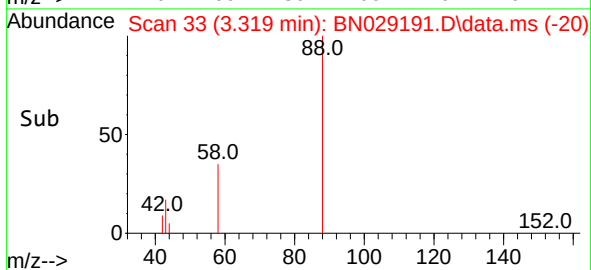
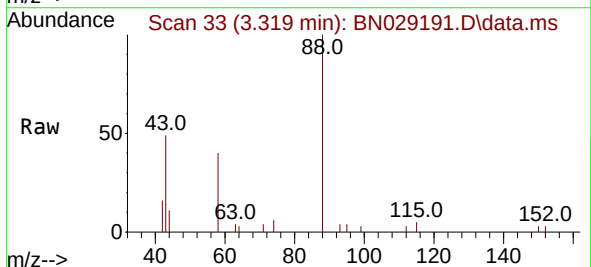
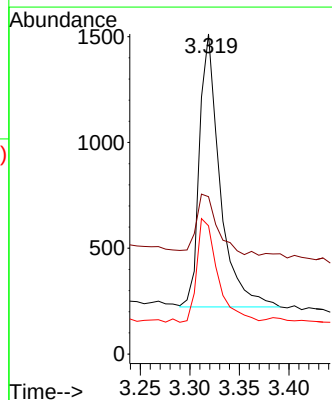
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 144.4 | 117.5 | 176.3 |
| 115 | 57.2  | 46.3  | 69.5  |

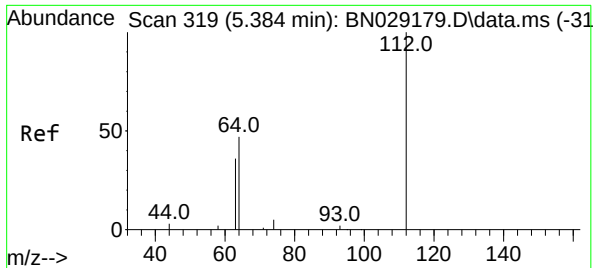


#2  
 1,4-Dioxane  
 Concen: 2.054 ng  
 RT: 3.319 min Scan# 33  
 Delta R.T. -0.007 min  
 Lab File: BN029191.D  
 Acq: 26 Dec 2023 13:46

Tgt Ion: 88 Resp: 1863

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 22.0  | 19.1  | 28.7  |
| 58  | 38.9  | 28.2  | 42.4  |

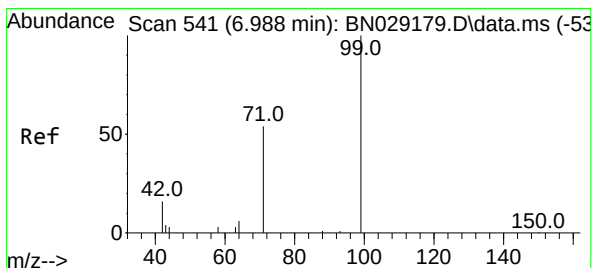
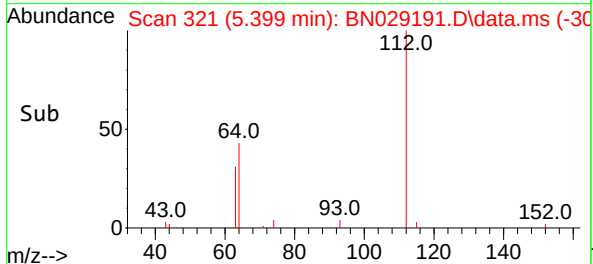
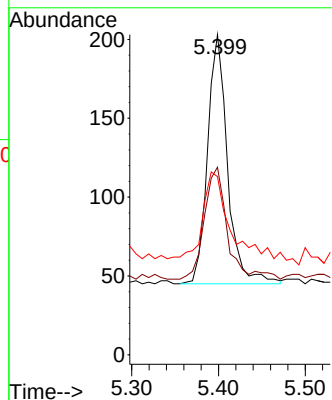
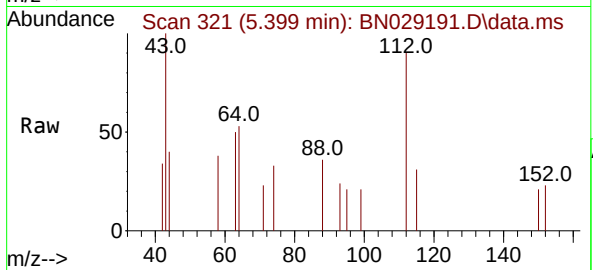




#4  
2-Fluorophenol  
Concen: 0.108 ng  
RT: 5.399 min Scan# 319  
Delta R.T. 0.014 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

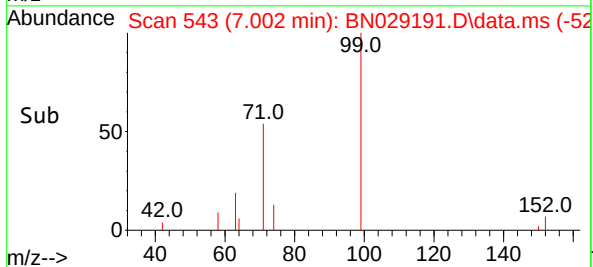
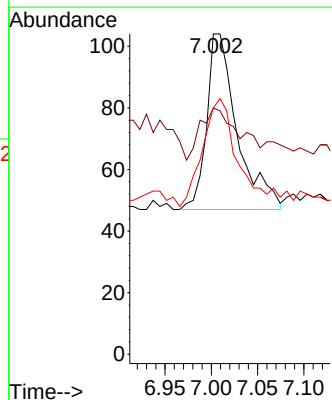
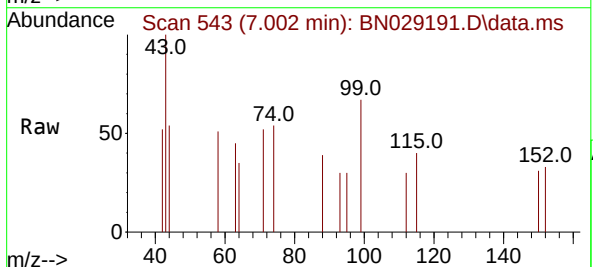
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04A-440-460-122123

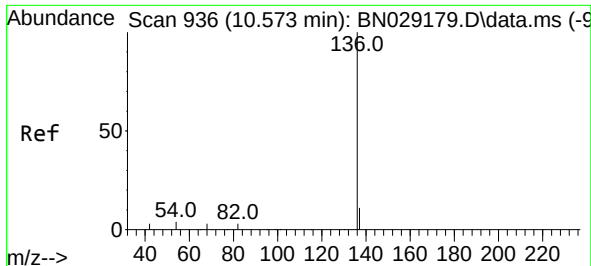
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 254   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 48.8  | 37.8  | 56.6  |
| 63       | 58.3  | 29.4  | 44.0# |



#5  
Phenol-d6  
Concen: 0.050 ng  
RT: 7.002 min Scan# 543  
Delta R.T. 0.014 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 131   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 37.4  | 16.8  | 25.2# |
| 71       | 73.3  | 43.4  | 65.2# |

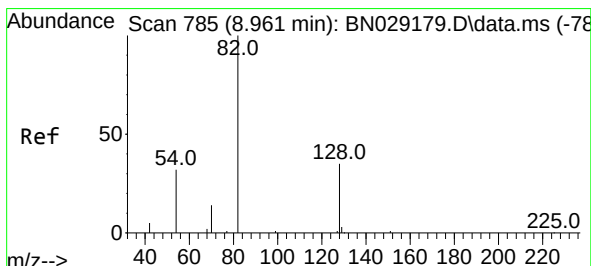
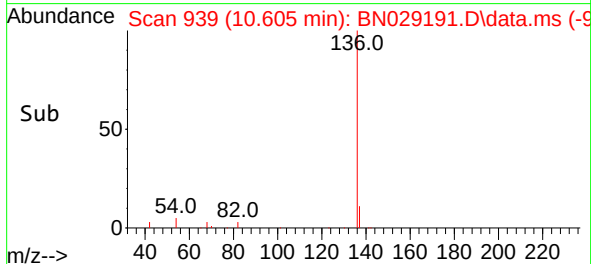
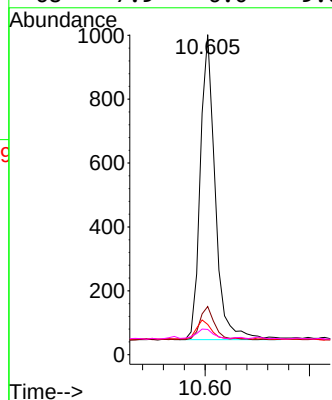
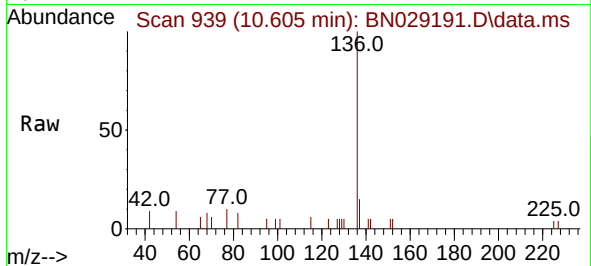




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.605 min Scan# 91  
Delta R.T. 0.032 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

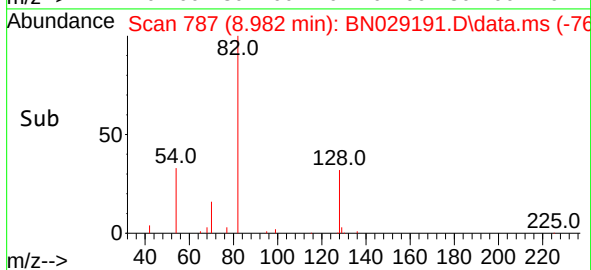
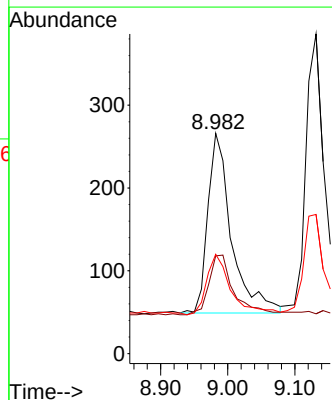
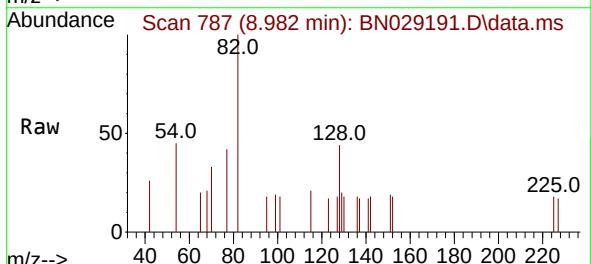
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04A-440-460-122123

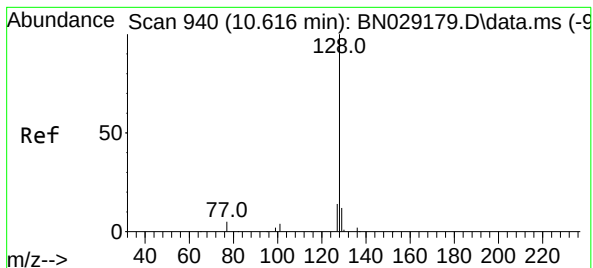
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 1893  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 15.1  | 12.1  | 18.1  |
| 54       | 9.5   | 7.2   | 10.8  |
| 68       | 7.9   | 6.0   | 9.0   |



#8  
Nitrobenzene-d5  
Concen: 0.226 ng  
RT: 8.982 min Scan# 787  
Delta R.T. 0.021 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 533   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.4  | 34.5  | 51.7  |
| 54       | 45.1  | 33.4  | 50.0  |





#9

Naphthalene

Concen: 0.171 ng

RT: 10.648 min Scan# 94

Delta R.T. 0.032 min

Lab File: BN029191.D

Acq: 26 Dec 2023 13:46

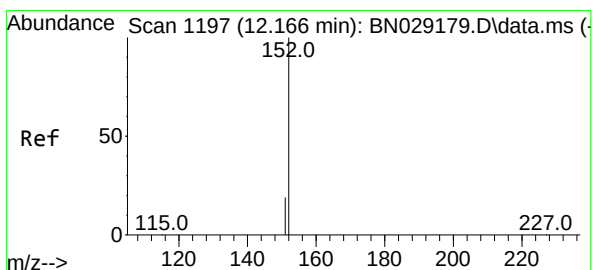
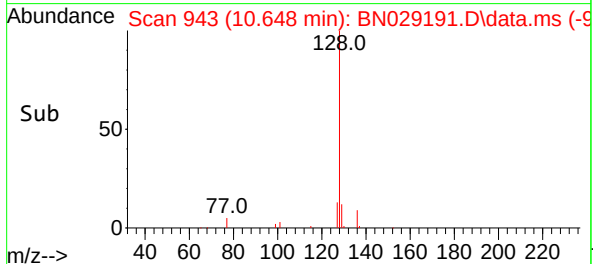
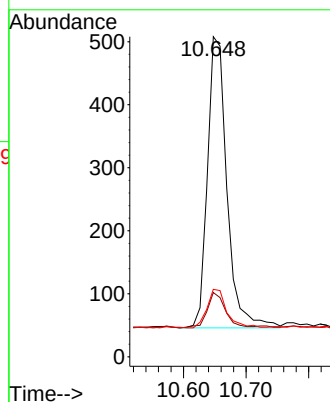
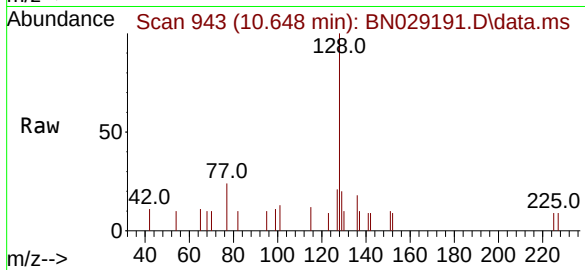
Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04A-440-460-122123

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 998   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 20.1  | 13.0  | 19.6# |
| 127      | 21.1  | 14.4  | 21.6  |



#11

2-Methylnaphthalene-d10

Concen: 0.264 ng

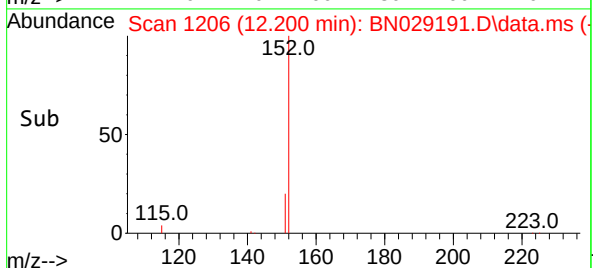
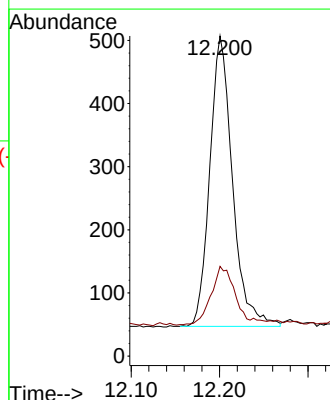
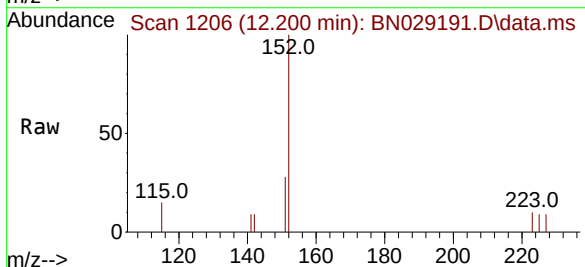
RT: 12.200 min Scan# 1206

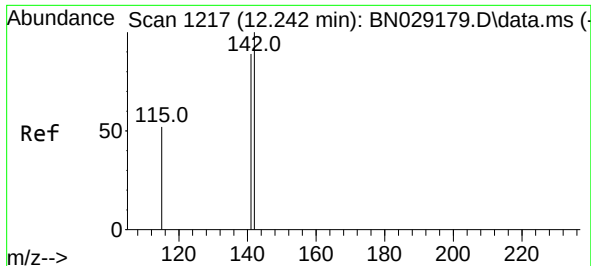
Delta R.T. 0.034 min

Lab File: BN029191.D

Acq: 26 Dec 2023 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 820   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.9  | 17.4  | 26.0  |





#12

2-Methylnaphthalene

Concen: 0.048 ng

RT: 12.272 min Scan# 11

Delta R.T. 0.030 min

Lab File: BN029191.D

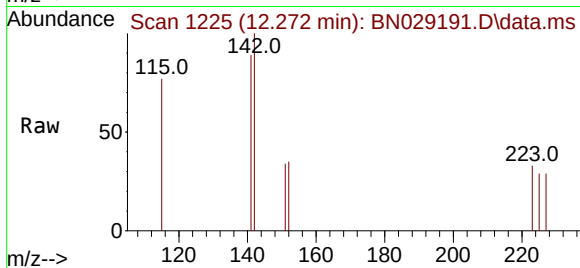
Acq: 26 Dec 2023 13:46

Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04A-440-460-122123



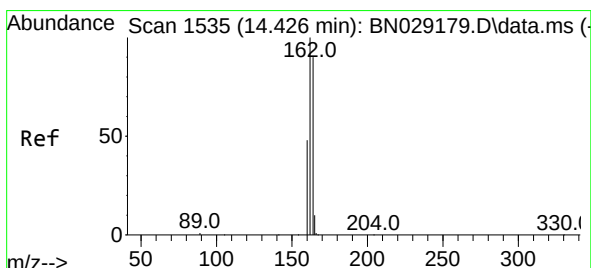
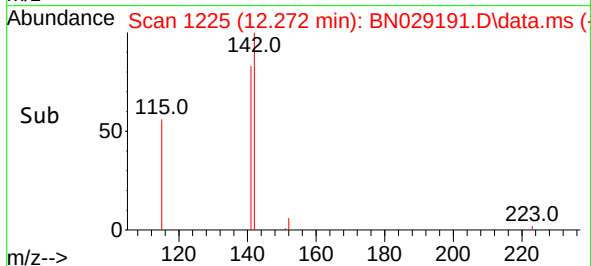
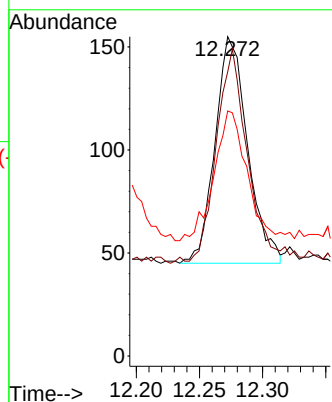
Tgt Ion:142 Resp: 197

Ion Ratio Lower Upper

142 100

141 89.0 71.9 107.9

115 76.8 46.1 69.1#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.458 min Scan# 1538

Delta R.T. 0.032 min

Lab File: BN029191.D

Acq: 26 Dec 2023 13:46

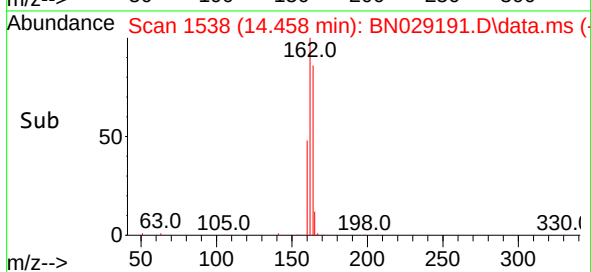
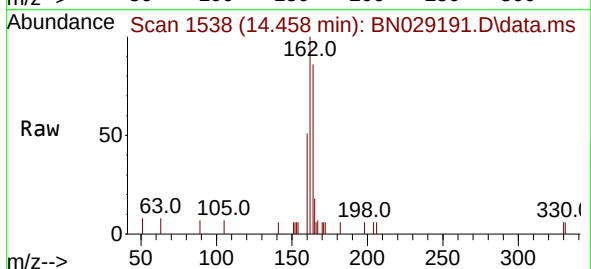
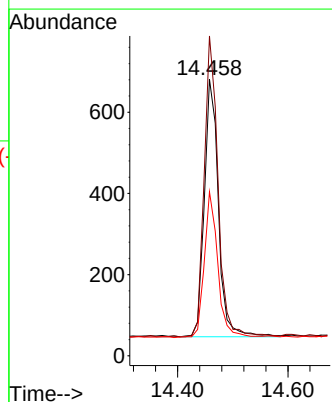
Tgt Ion:164 Resp: 1132

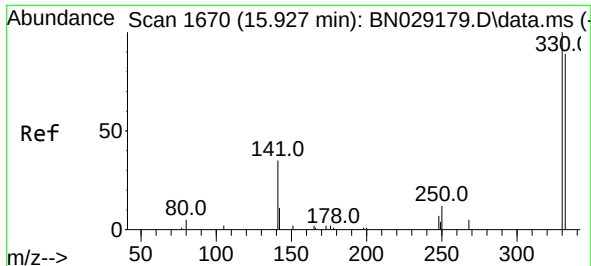
Ion Ratio Lower Upper

164 100

162 115.7 88.2 132.2

160 59.3 44.9 67.3

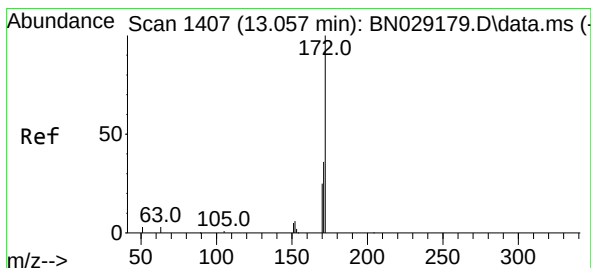
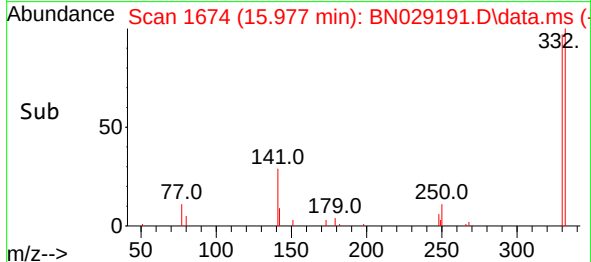
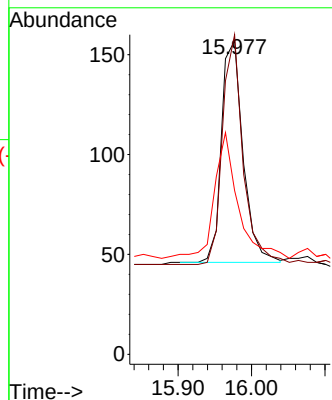
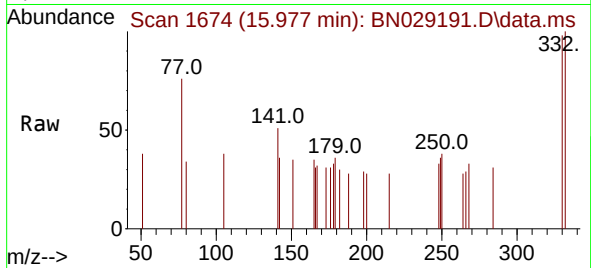




#14  
2,4,6-Tribromophenol  
Concen: 0.272 ng  
RT: 15.977 min Scan# 1  
Delta R.T. 0.050 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

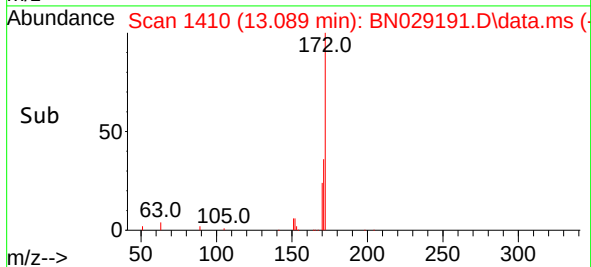
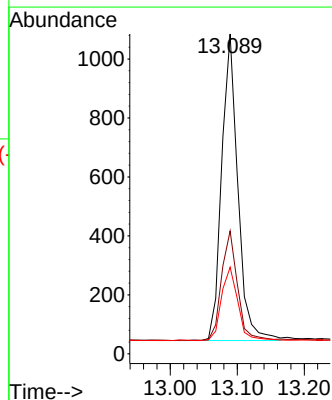
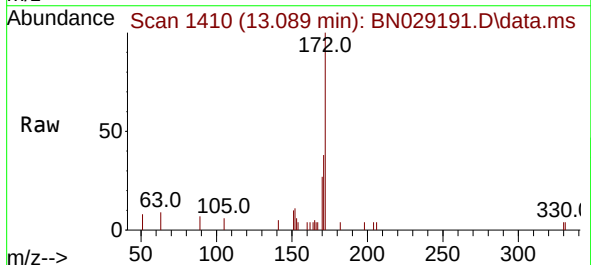
Instrument :  
BNA\_N  
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GWOW-BR-04A-440-460-122123

Tgt Ion:330 Resp: 226  
Ion Ratio Lower Upper  
330 100  
332 99.6 77.6 116.4  
141 61.9 40.2 60.2#

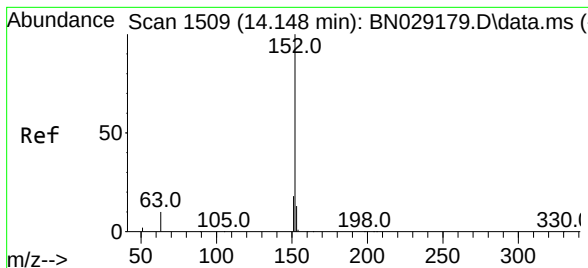


#15  
2-Fluorobiphenyl  
Concen: 0.273 ng  
RT: 13.089 min Scan# 1410  
Delta R.T. 0.032 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

Tgt Ion:172 Resp: 1749  
Ion Ratio Lower Upper  
172 100  
171 38.4 31.4 47.0  
170 27.1 22.8 34.2







#16

Acenaphthylene

Concen: 0.035 ng

RT: 14.180 min Scan# 1512

Delta R.T. 0.032 min

Lab File: BN029191.D

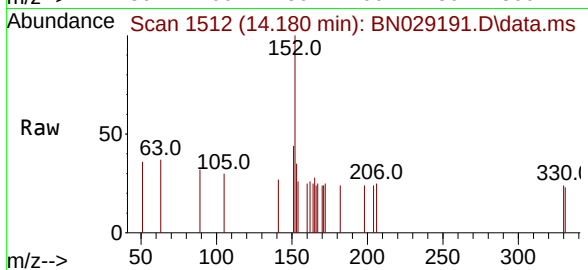
Acq: 26 Dec 2023 13:46

Instrument :

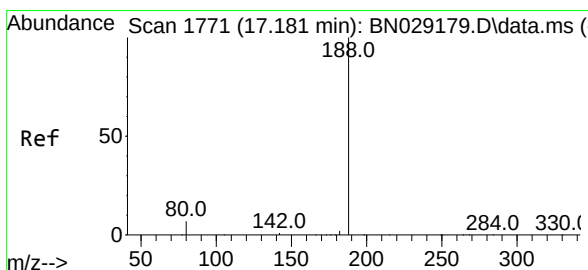
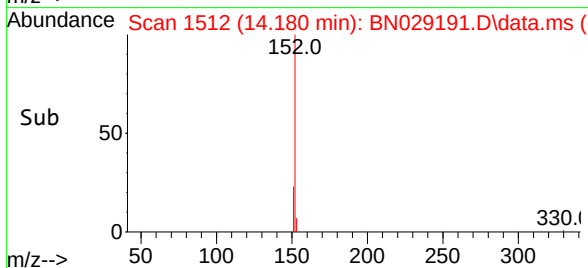
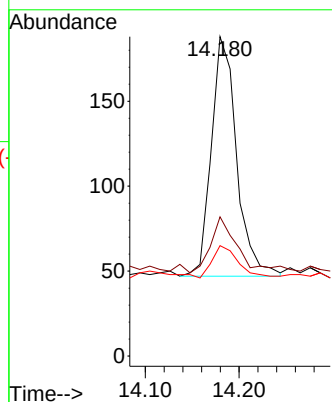
BNA\_N

ClientSampleId :

GWOW-BR-04A-440-460-122123



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 264   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 23.5  | 15.1  | 22.7# |
| 153      | 12.9  | 10.3  | 15.5  |



#19

Phenanthrene-d10

Concen: 0.400 ng

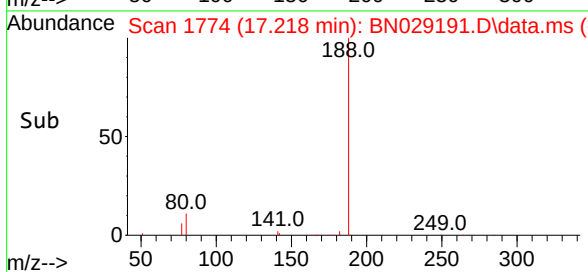
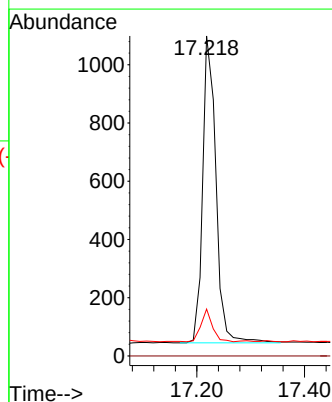
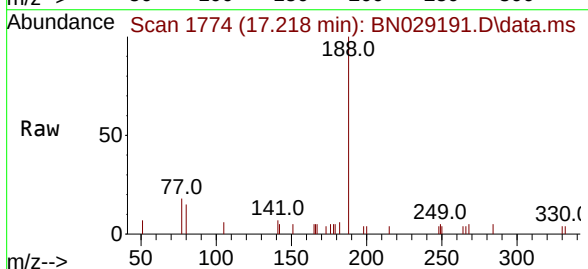
RT: 17.218 min Scan# 1774

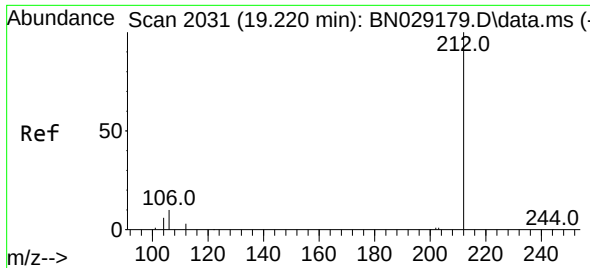
Delta R.T. 0.037 min

Lab File: BN029191.D

Acq: 26 Dec 2023 13:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 1807  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 14.6  | 8.9   | 13.3# |

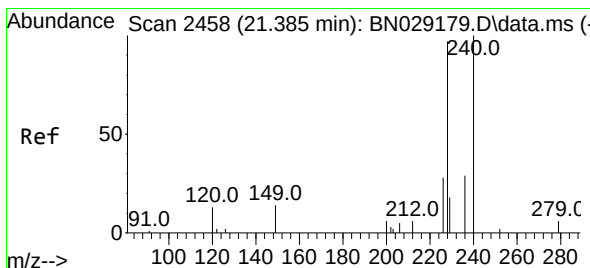
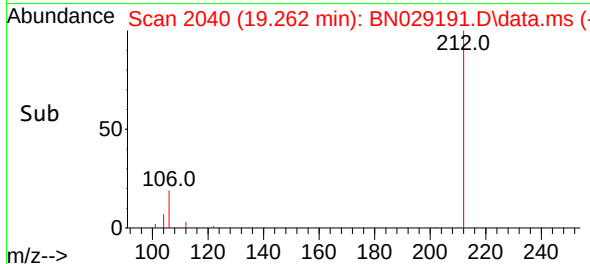
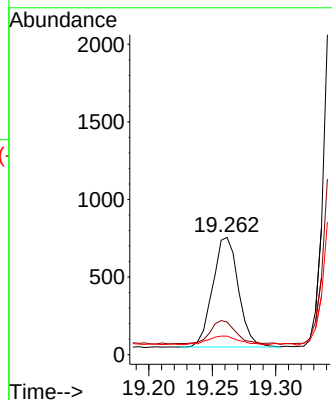
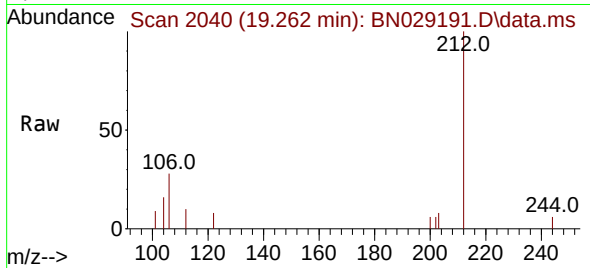




#27  
Fluoranthene-d10  
Concen: 0.264 ng  
RT: 19.262 min Scan# 2031  
Delta R.T. 0.042 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

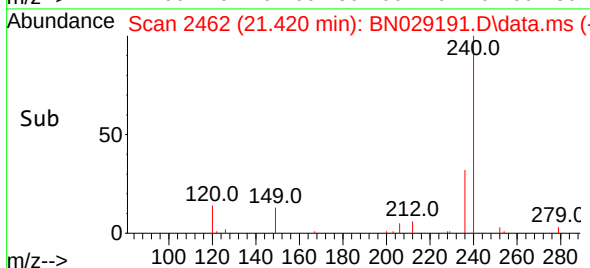
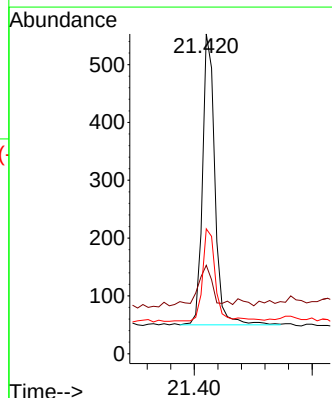
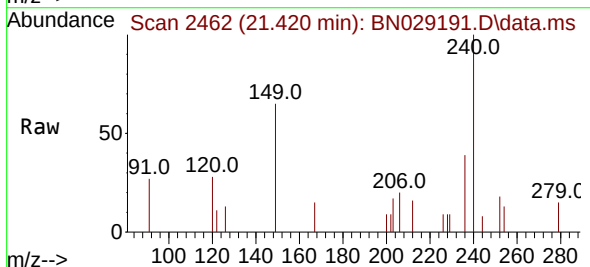
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04A-440-460-122123

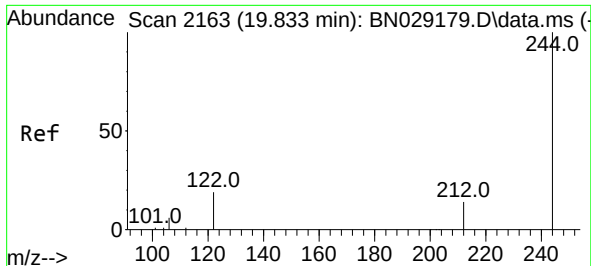
Tgt Ion:212 Resp: 997  
Ion Ratio Lower Upper  
212 100  
106 22.2 9.6 14.4#  
104 9.0 5.8 8.6#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.420 min Scan# 2462  
Delta R.T. 0.036 min  
Lab File: BN029191.D  
Acq: 26 Dec 2023 13:46

Tgt Ion:240 Resp: 731  
Ion Ratio Lower Upper  
240 100  
120 27.7 23.9 35.9  
236 39.1 31.3 46.9

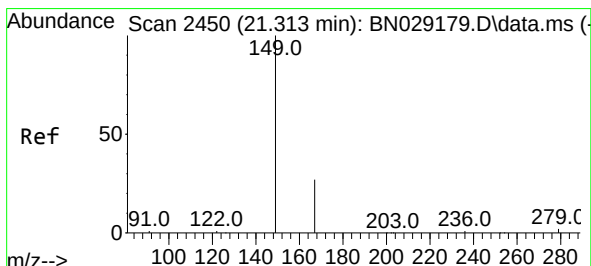
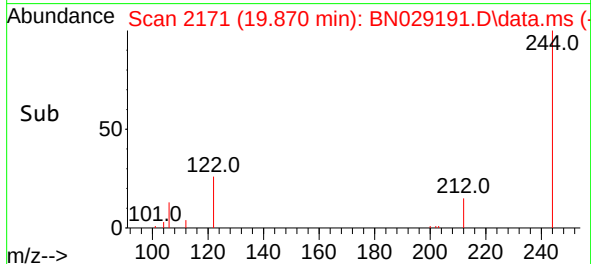
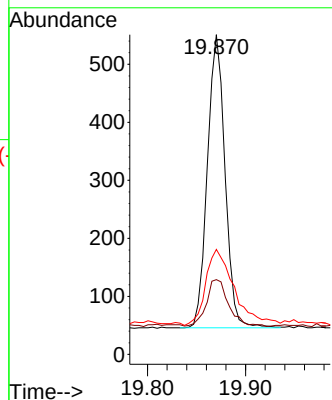
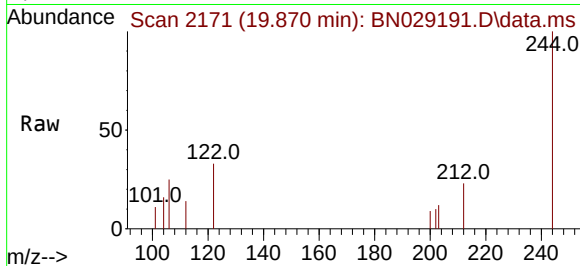




#31  
 Terphenyl-d14  
 Concen: 0.296 ng  
 RT: 19.870 min Scan# 2163  
 Delta R.T. 0.037 min  
 Lab File: BN029191.D  
 Acq: 26 Dec 2023 13:46

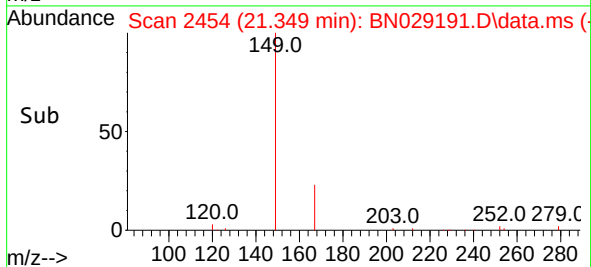
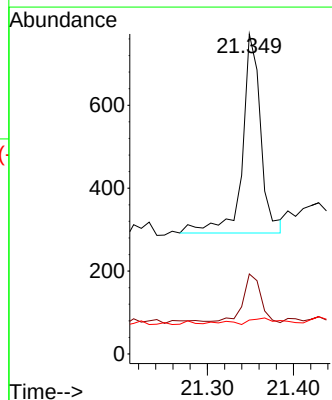
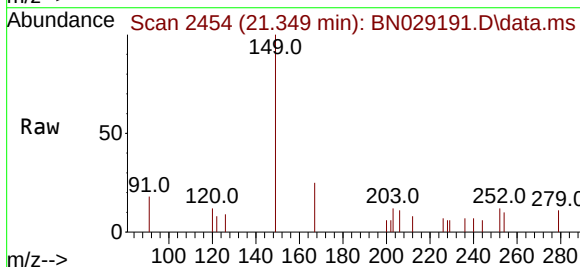
Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWOW-BR-04A-440-460-122123

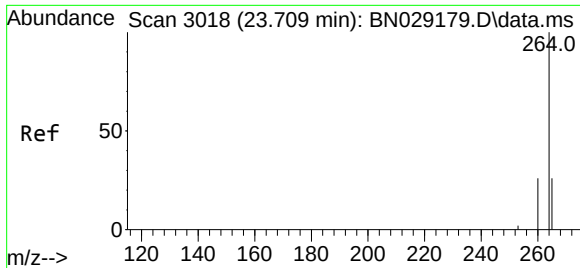
Tgt Ion:244 Resp: 631  
 Ion Ratio Lower Upper  
 244 100  
 212 23.4 18.9 28.3  
 122 32.8 22.5 33.7



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.135 ng  
 RT: 21.349 min Scan# 2454  
 Delta R.T. 0.036 min  
 Lab File: BN029191.D  
 Acq: 26 Dec 2023 13:46

Tgt Ion:149 Resp: 713  
 Ion Ratio Lower Upper  
 149 100  
 167 23.7 20.8 31.2  
 279 5.6 1.7 2.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.780 min Scan# 3018

Delta R.T. 0.070 min

Lab File: BN029191.D

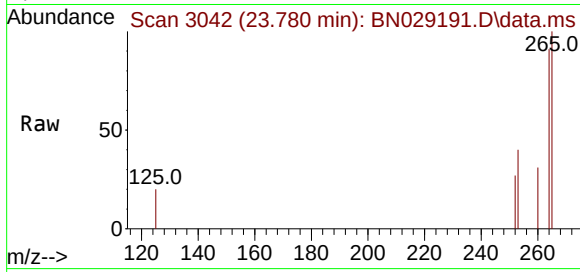
Acq: 26 Dec 2023 13:46

Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04A-440-460-122123



Tgt Ion:264 Resp: 928

Ion Ratio Lower Upper

264 100

260 34.6 27.1 40.7

265 110.5 99.4 149.2

