

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112922\  
 Data File : BN022964.D  
 Acq On : 29 Nov 2022 23:49  
 Operator : CG/JU  
 Sample : N5671-18  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP01-20221115

Quant Time: Nov 30 00:46:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 30 00:45:21 2022  
 Response via : Initial Calibration

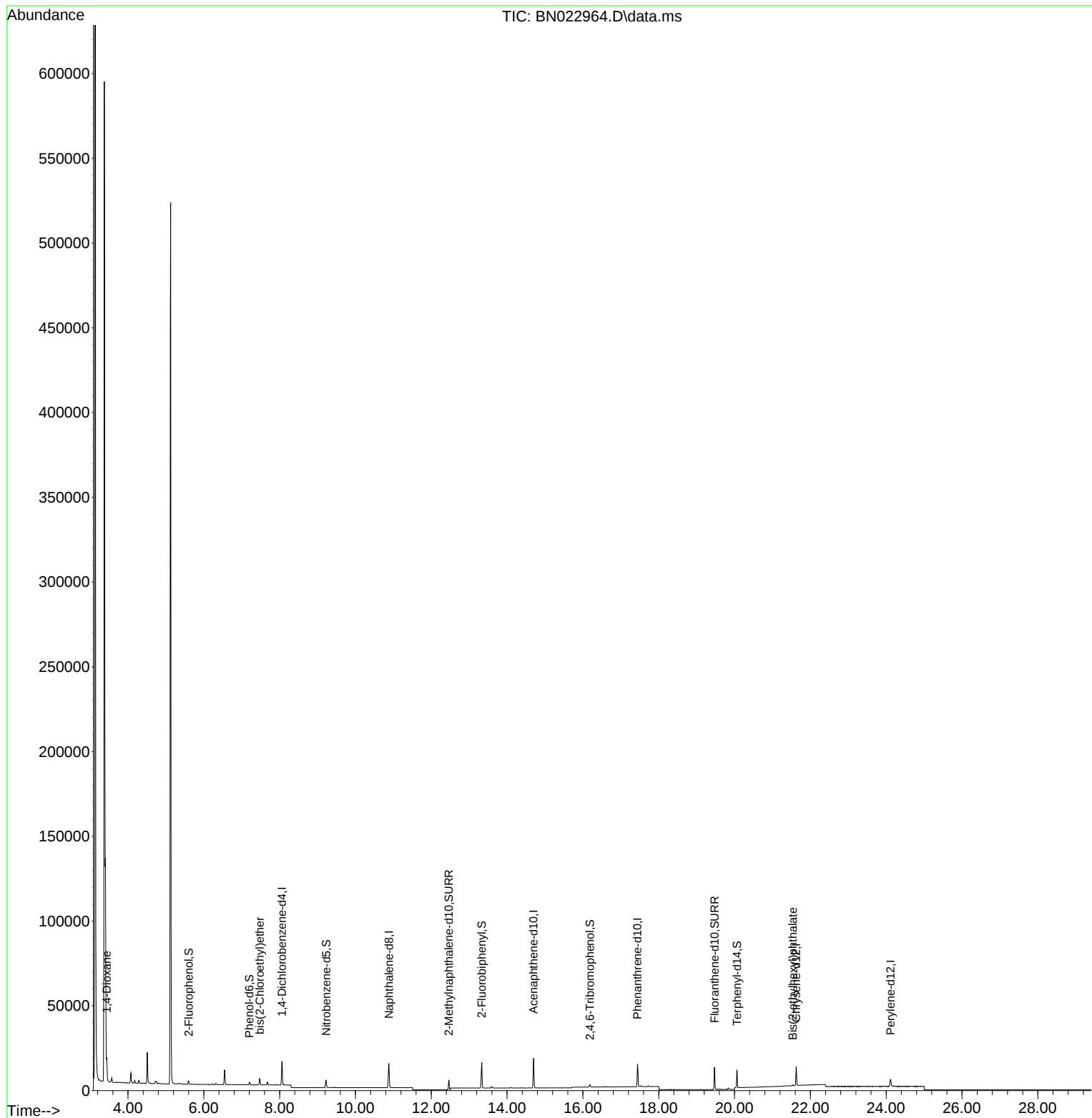
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.064  | 152  | 6796     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.883 | 136  | 18305    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.698 | 164  | 9065     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.439 | 188  | 17858    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.625 | 240  | 9587     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.118 | 264  | 6489     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.601  | 112  | 1635     | 0.093 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.204  | 99   | 1383     | 0.061 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.228  | 82   | 3741     | 0.263 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.465 | 152  | 9675     | 0.244 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.186 | 330  | 797      | 0.182 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.330 | 172  | 12237    | 0.295 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.473 | 212  | 13791    | 0.284 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.067 | 244  | 8865     | 0.394 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.442  | 88   | 6319     | 0.733 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether    | 7.479  | 93   | 2708     | 0.128 | ng    | 95       |
| 34) Bis(2-ethylhexyl)phtha... | 21.536 | 149  | 707      | 0.045 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

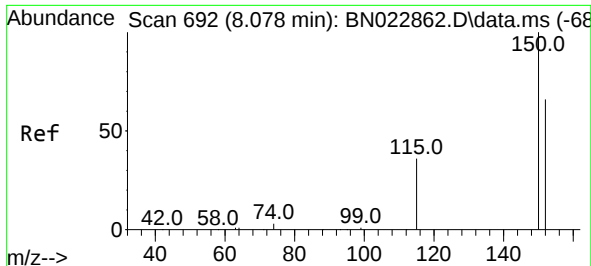
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 30 00:45:21 2022  
Response via : Initial Calibration

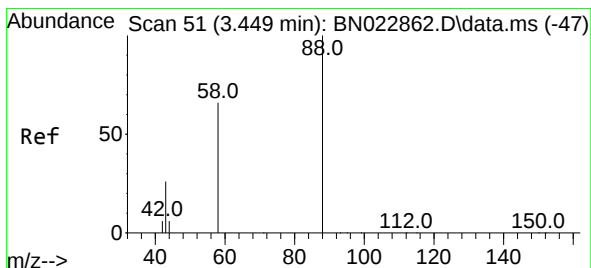
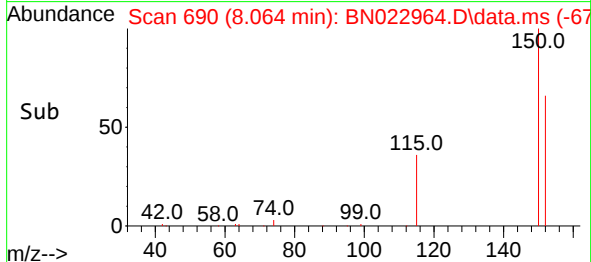
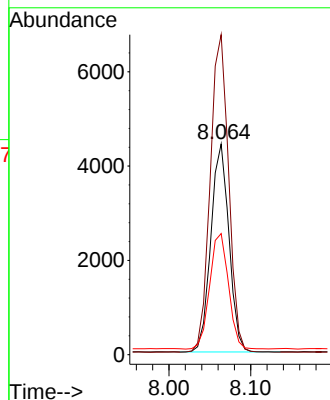
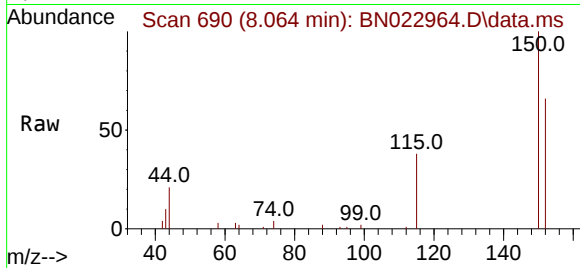




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.064 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN022964.D  
 Acq: 29 Nov 2022 23:49

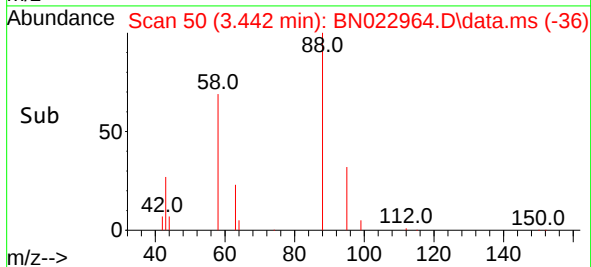
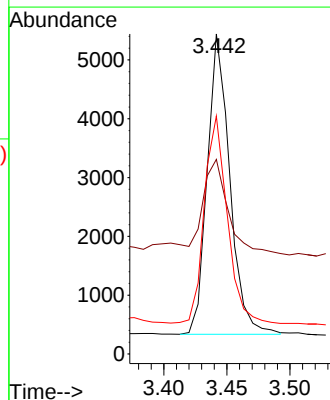
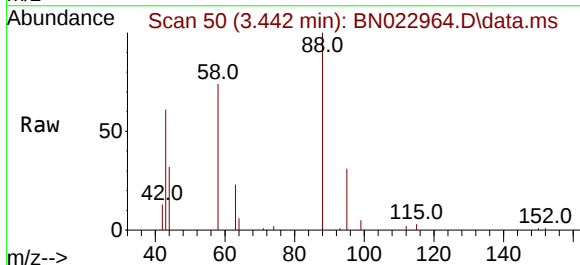
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 DUP01-20221115

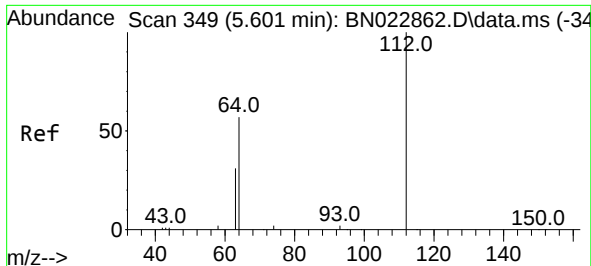
Tgt Ion:152 Resp: 6796  
 Ion Ratio Lower Upper  
 152 100  
 150 151.9 121.2 181.8  
 115 57.4 46.2 69.4



#2  
 1,4-Dioxane  
 Concen: 0.733 ng  
 RT: 3.442 min Scan# 50  
 Delta R.T. 0.000 min  
 Lab File: BN022964.D  
 Acq: 29 Nov 2022 23:49

Tgt Ion: 88 Resp: 6319  
 Ion Ratio Lower Upper  
 88 100  
 43 33.7 25.4 38.2  
 58 70.5 56.5 84.7

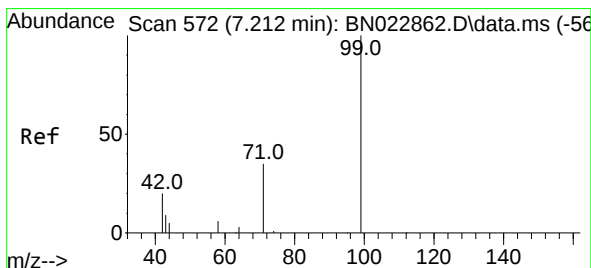
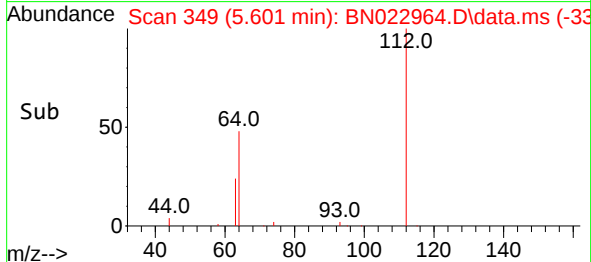
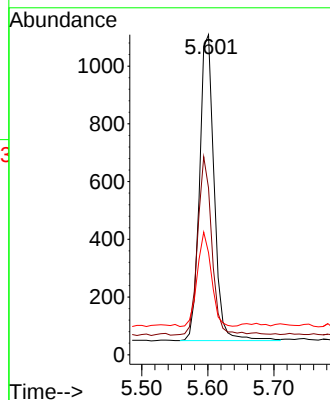
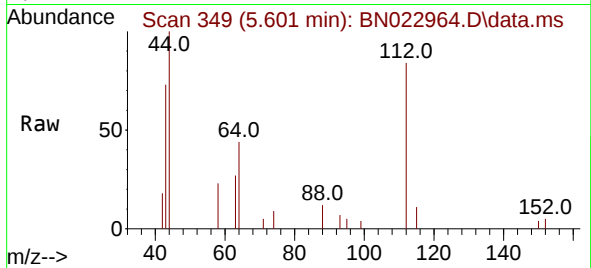




#4  
2-Fluorophenol  
Concen: 0.093 ng  
RT: 5.601 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

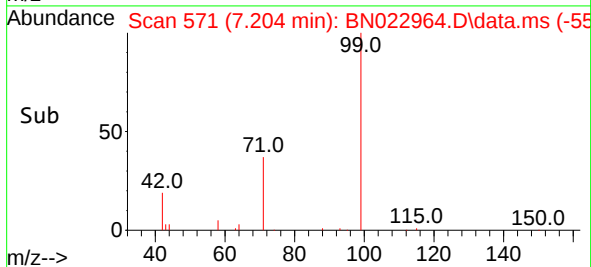
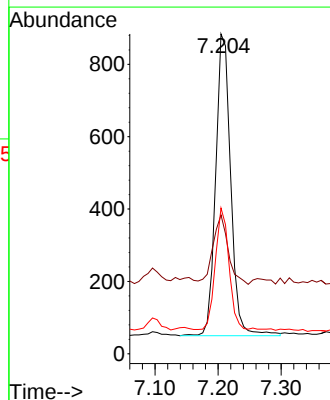
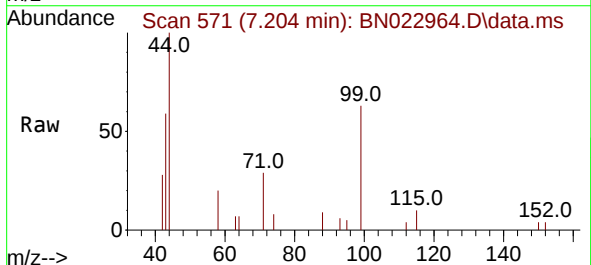
Instrument :  
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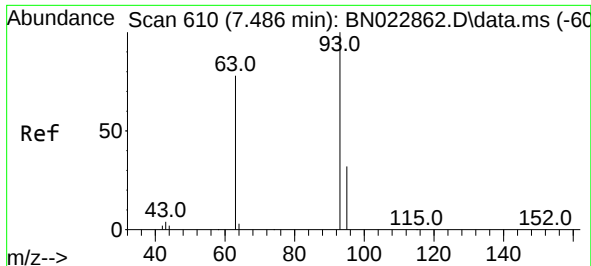
Tgt Ion:112 Resp: 1635  
Ion Ratio Lower Upper  
112 100  
64 56.4 43.4 65.2  
63 29.4 23.4 35.2



#5  
Phenol-d6  
Concen: 0.061 ng  
RT: 7.204 min Scan# 571  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

Tgt Ion: 99 Resp: 1383  
Ion Ratio Lower Upper  
99 100  
42 23.2 16.0 24.0  
71 36.3 26.8 40.2



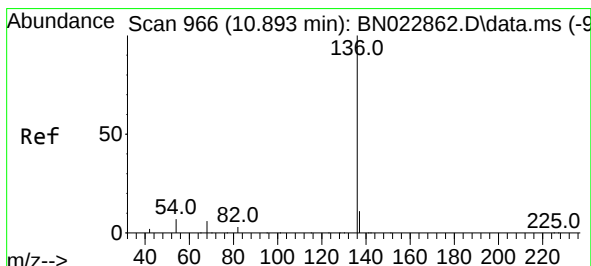
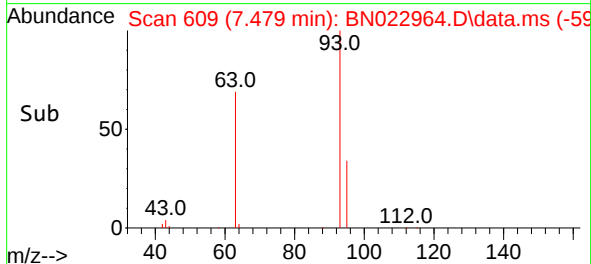
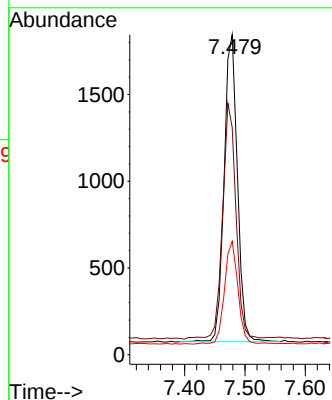
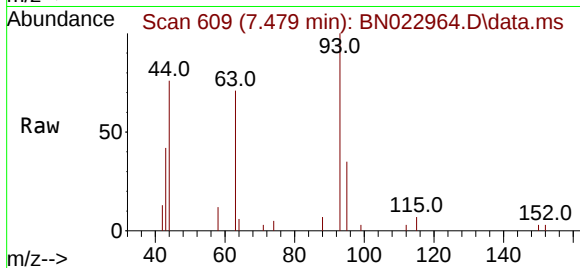


#6  
 bis(2-Chloroethyl)ether  
 Concen: 0.128 ng  
 RT: 7.479 min Scan# 609  
 Delta R.T. 0.000 min  
 Lab File: BN022964.D  
 Acq: 29 Nov 2022 23:49

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP01-20221115

Tgt Ion: 93 Resp: 2708  

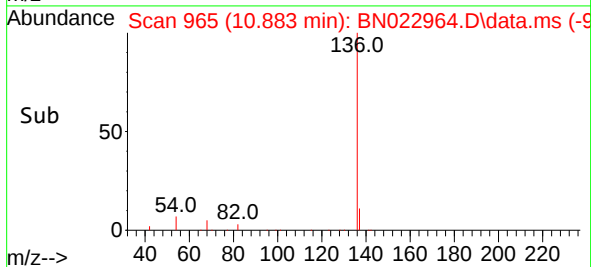
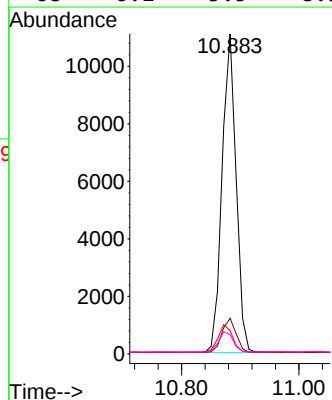
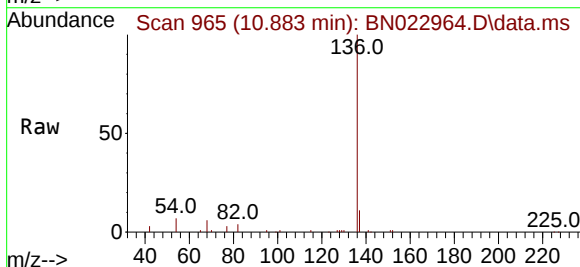
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 77.7  | 58.3  | 87.5  |
| 95  | 34.3  | 25.8  | 38.6  |

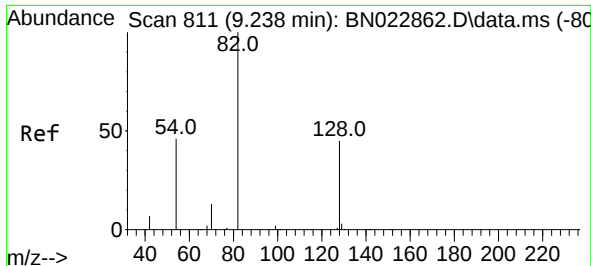


#7  
 Naphthalene-d8  
 Concen: 0.400 ng  
 RT: 10.883 min Scan# 965  
 Delta R.T. 0.000 min  
 Lab File: BN022964.D  
 Acq: 29 Nov 2022 23:49

Tgt Ion: 136 Resp: 18305  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.0   | 13.4  |
| 54  | 7.3   | 6.6   | 9.8   |
| 68  | 6.1   | 5.5   | 8.3   |

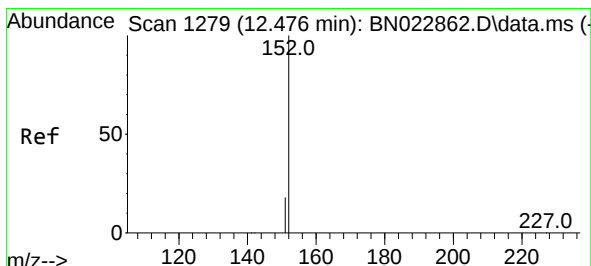
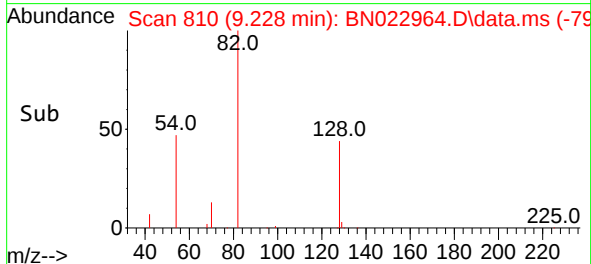
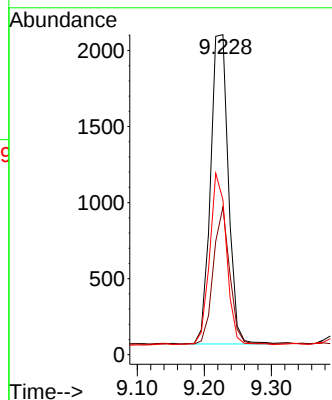
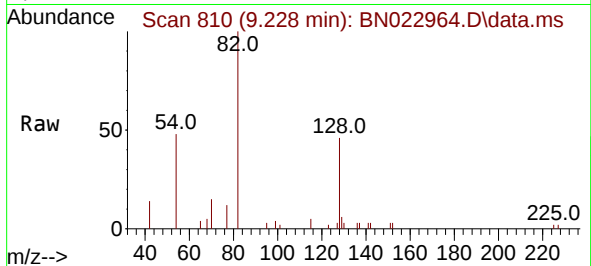




#8  
Nitrobenzene-d5  
Concen: 0.263 ng  
RT: 9.228 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

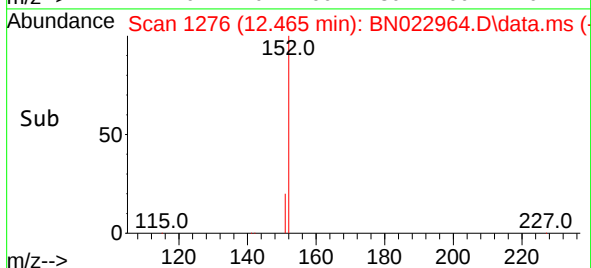
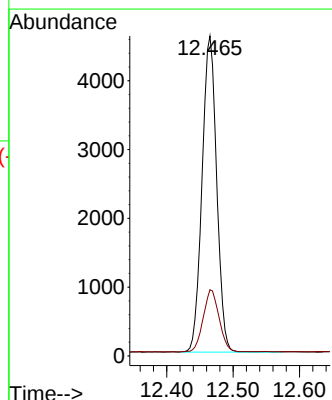
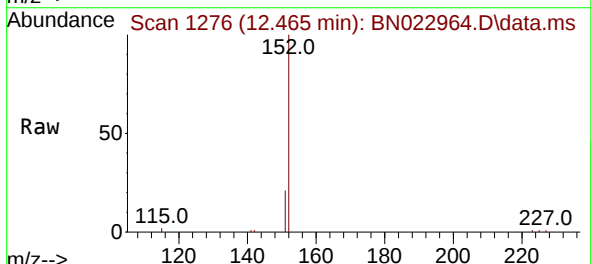
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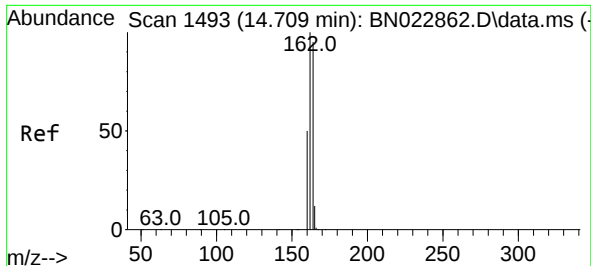
Tgt Ion: 82 Resp: 3741  
Ion Ratio Lower Upper  
82 100  
128 46.1 36.6 54.8  
54 48.4 38.5 57.7



#11  
2-Methylnaphthalene-d10  
Concen: 0.244 ng  
RT: 12.465 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

Tgt Ion: 152 Resp: 9675  
Ion Ratio Lower Upper  
152 100  
151 16.7 18.6 27.8#

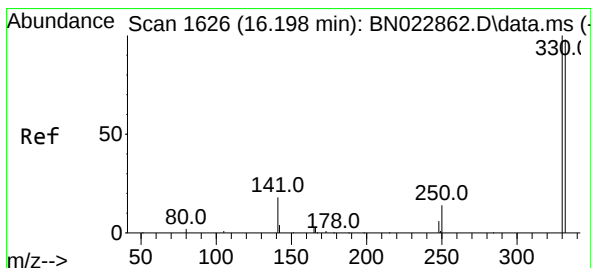
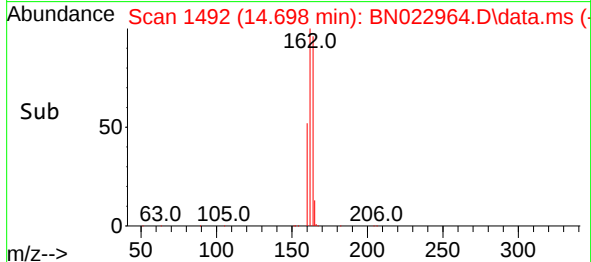
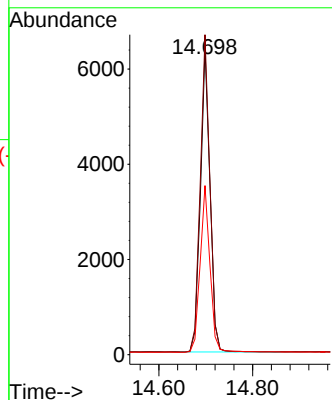
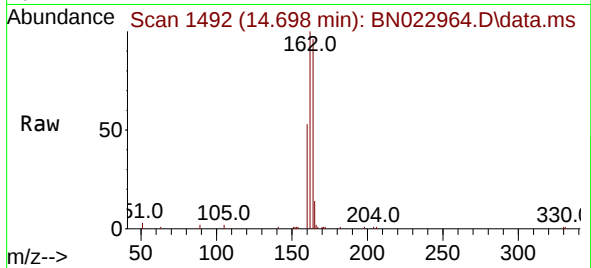




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.698 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

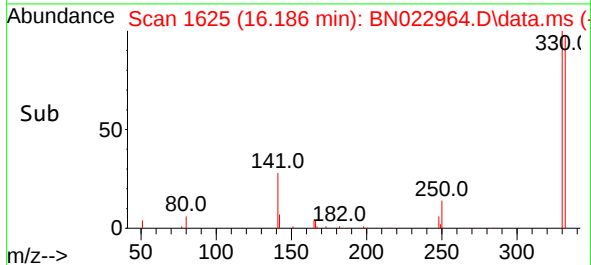
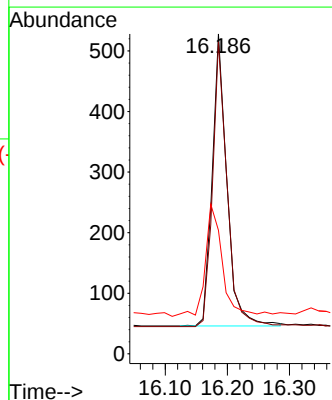
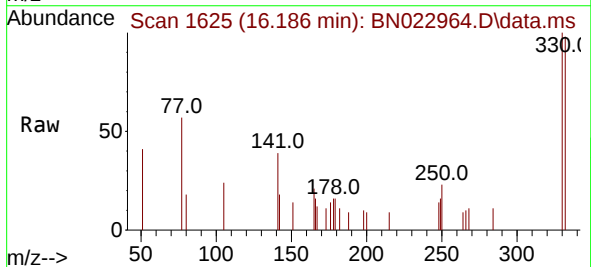
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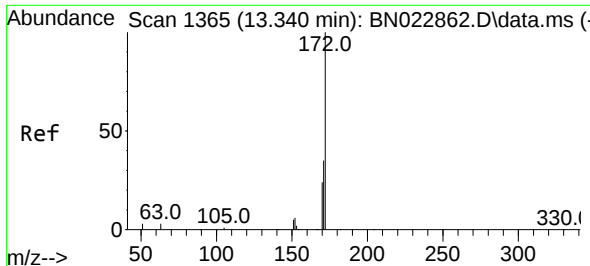
Tgt Ion:164 Resp: 9065  
Ion Ratio Lower Upper  
164 100  
162 104.3 84.2 126.4  
160 55.1 42.5 63.7



#14  
2,4,6-Tribromophenol  
Concen: 0.182 ng  
RT: 16.186 min Scan# 1625  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

Tgt Ion:330 Resp: 797  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.5 114.7  
141 43.5 32.6 48.8

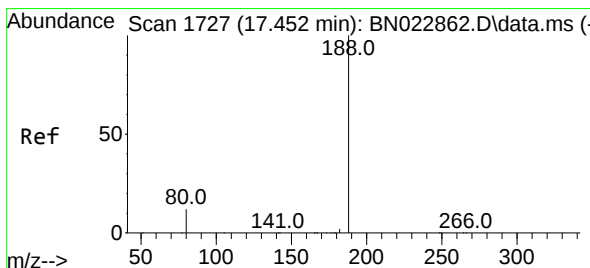
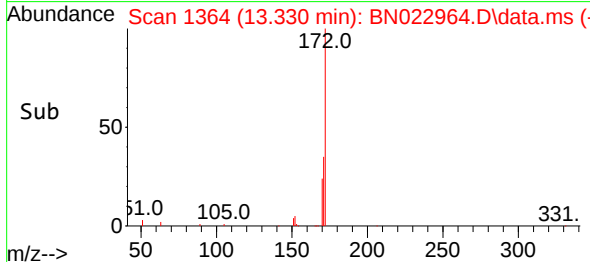
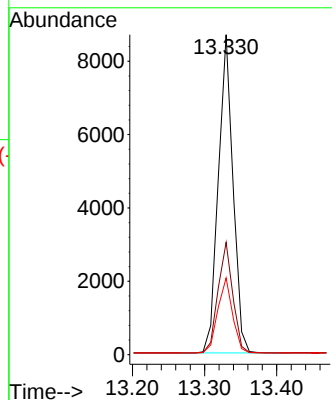
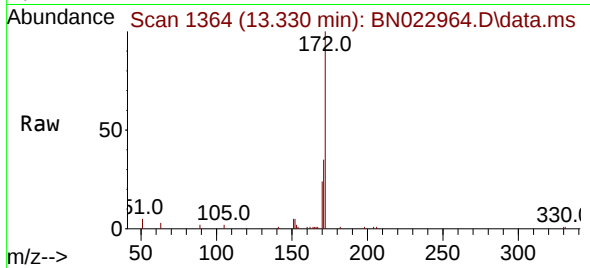




#15  
2-Fluorobiphenyl  
Concen: 0.295 ng  
RT: 13.330 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

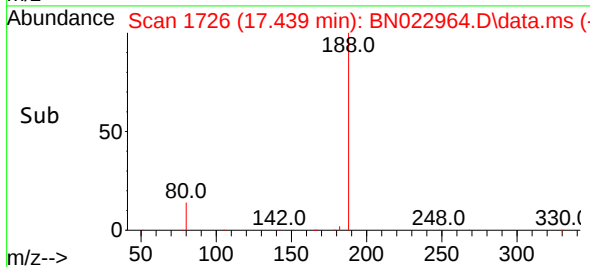
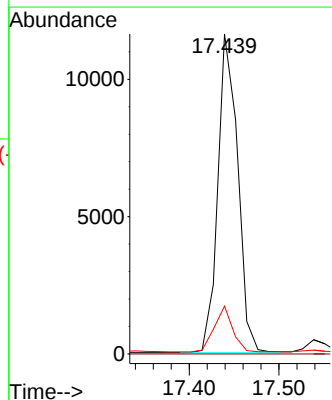
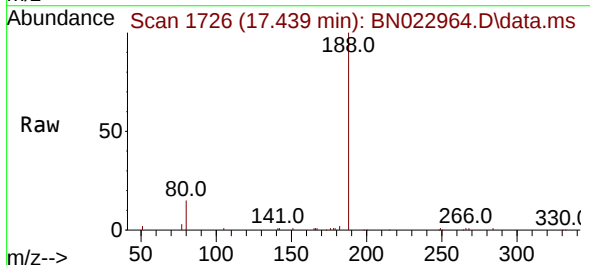
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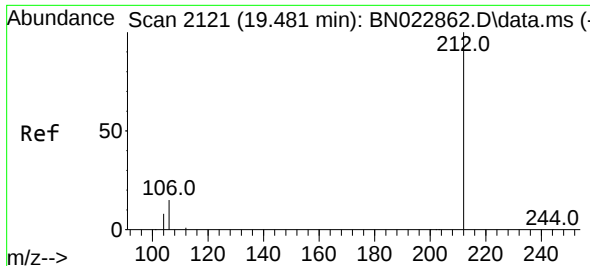
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|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 12237 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.1  | 28.2  | 42.4  |
| 170       | 24.0  | 19.3  | 28.9  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.439 min Scan# 1726  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 17858 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 14.9  | 10.3  | 15.5  |

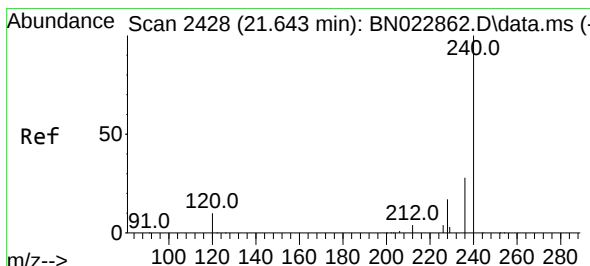
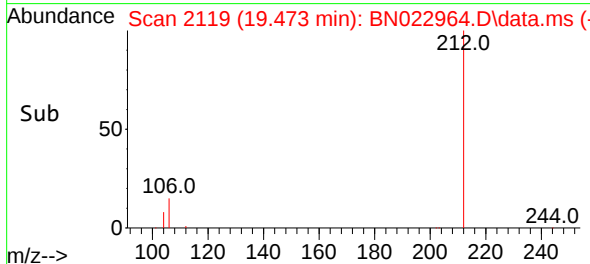
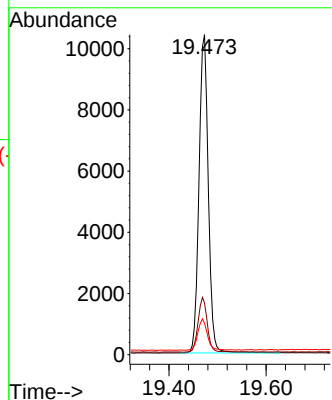
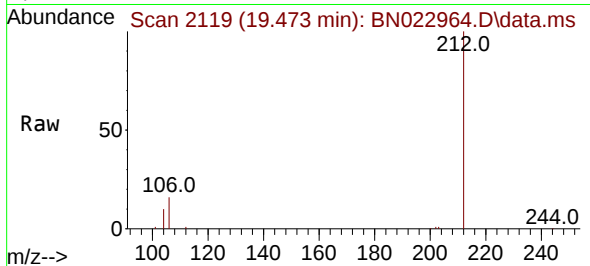




#27  
Fluoranthene-d10  
Concen: 0.284 ng  
RT: 19.473 min Scan# 2119  
Delta R.T. 0.000 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

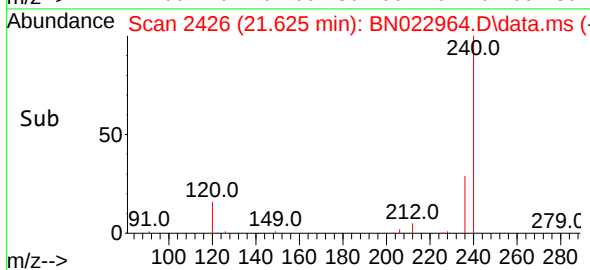
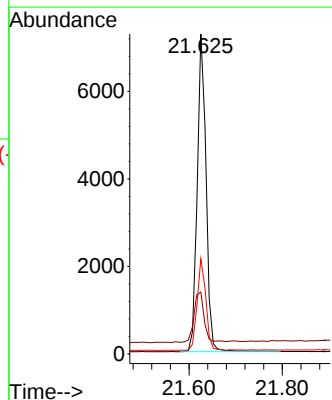
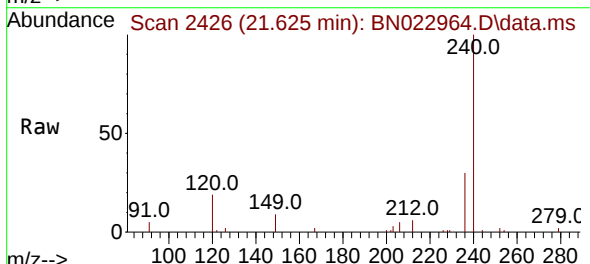
Instrument :  
BNA\_N  
ClientSampleId :  
DUP01-20221115

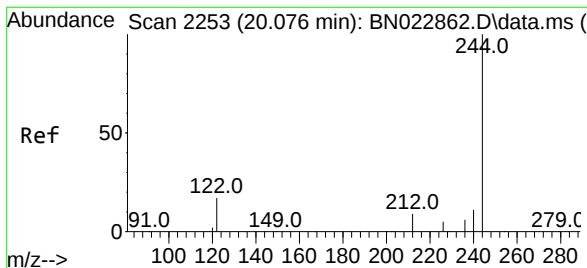
Tgt Ion:212 Resp: 13791  
Ion Ratio Lower Upper  
212 100  
106 17.1 12.3 18.5  
104 9.9 7.0 10.4



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.625 min Scan# 2426  
Delta R.T. -0.004 min  
Lab File: BN022964.D  
Acq: 29 Nov 2022 23:49

Tgt Ion:240 Resp: 9587  
Ion Ratio Lower Upper  
240 100  
120 19.4 9.2 13.8#  
236 29.7 22.6 34.0





#31

Terphenyl-d14

Concen: 0.394 ng

RT: 20.067 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN022964.D

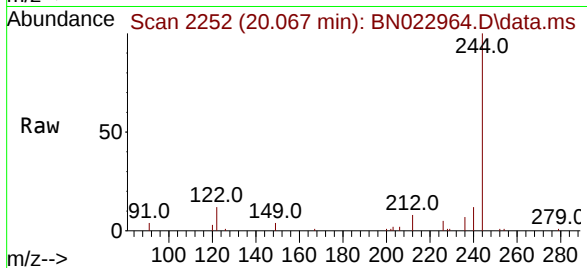
Acq: 29 Nov 2022 23:49

Instrument :

BNA\_N

ClientSampleId :

DUP01-20221115



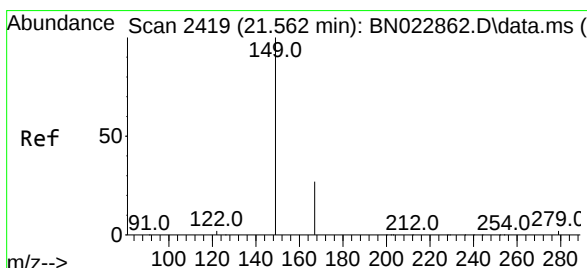
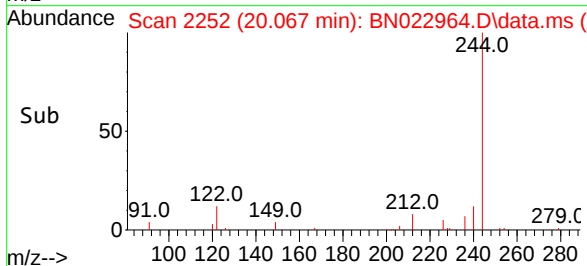
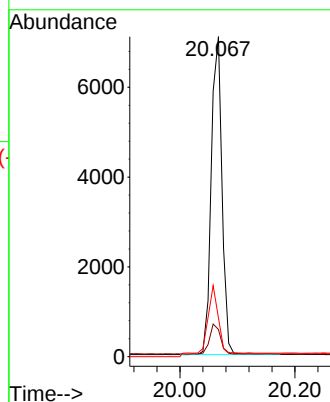
Tgt Ion:244 Resp: 8865

Ion Ratio Lower Upper

244 100

212 8.5 7.9 11.9

122 12.2 13.9 20.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.045 ng

RT: 21.536 min Scan# 2416

Delta R.T. -0.004 min

Lab File: BN022964.D

Acq: 29 Nov 2022 23:49

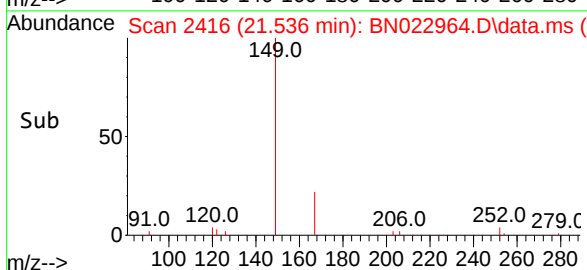
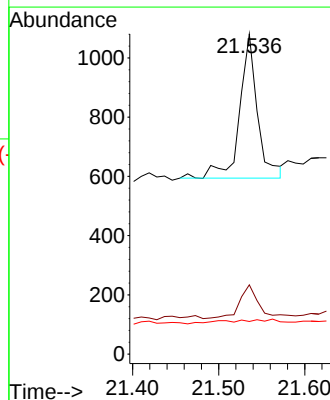
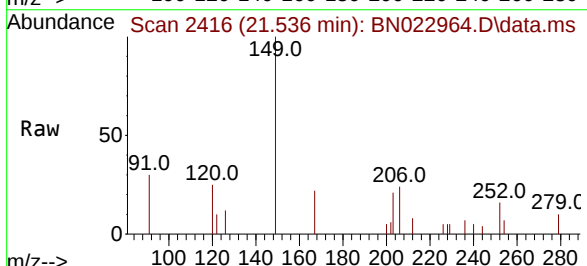
Tgt Ion:149 Resp: 707

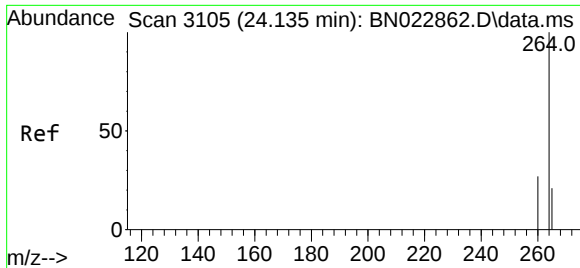
Ion Ratio Lower Upper

149 100

167 26.0 21.3 31.9

279 0.0 2.3 3.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.118 min Scan# 30

Delta R.T. 0.005 min

Lab File: BN022964.D

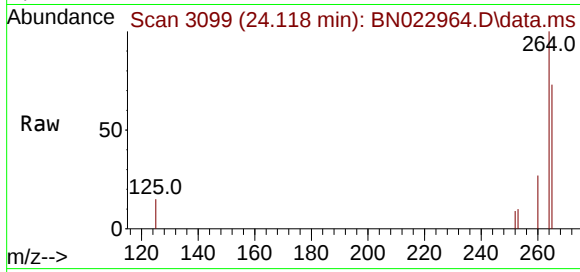
Acq: 29 Nov 2022 23:49

Instrument :

BNA\_N

ClientSampleId :

DUP01-20221115



Tgt Ion:264 Resp: 6489

Ion Ratio Lower Upper

264 100

260 27.2 21.7 32.5

265 73.4 31.0 46.4#

