

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031623\  
 Data File : BN024337.D  
 Acq On : 17 Mar 2023 08:14  
 Operator : CG/JU  
 Sample : 01880-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE115D2-20230309

Quant Time: Mar 17 08:49:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 17 04:37:08 2023  
 Response via : Initial Calibration

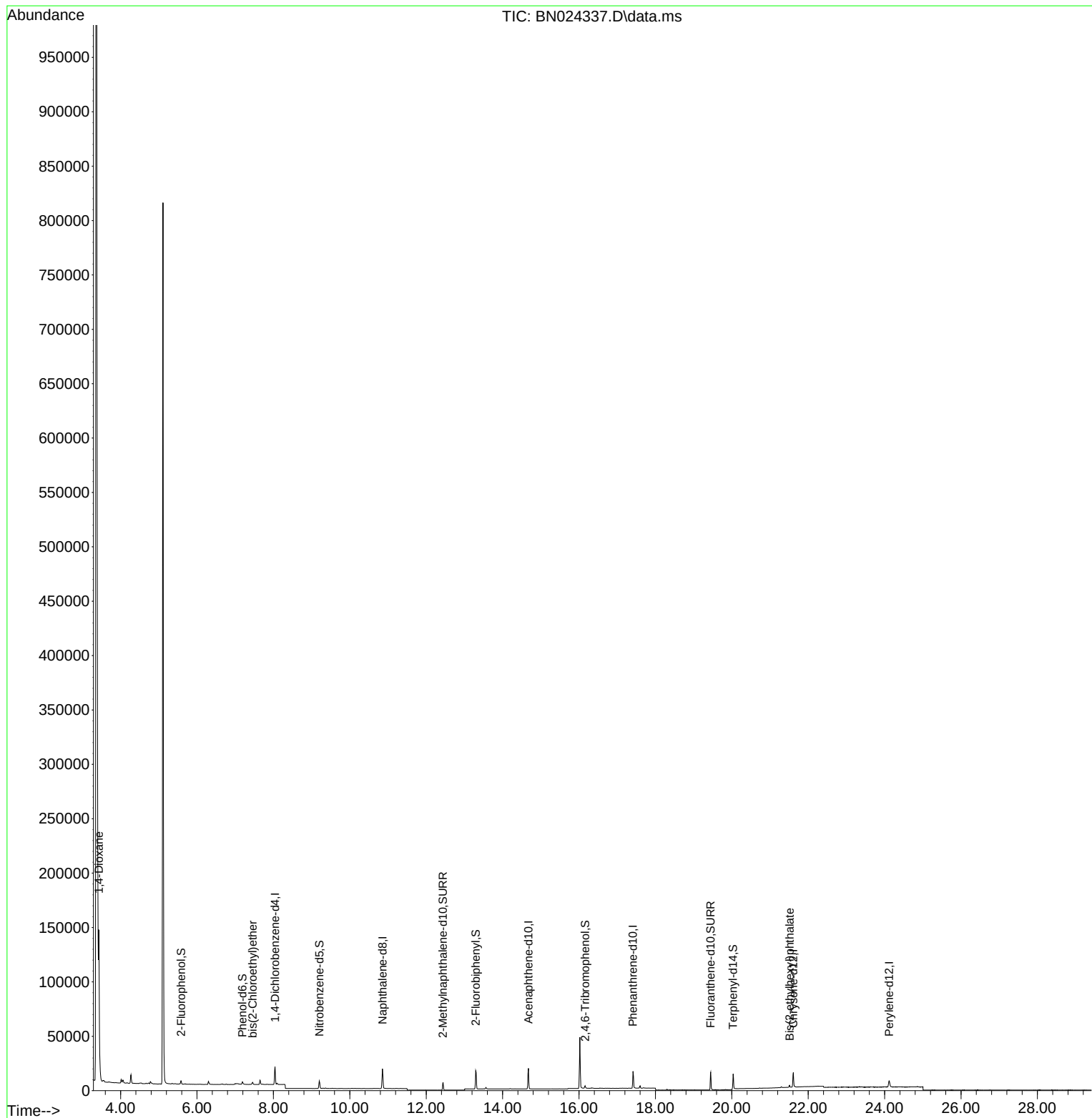
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 8.040  | 152  | 7765     | 0.400 | ng    | 0.00      |
| 7) Naphthalene-d8             | 10.855 | 136  | 22616    | 0.400 | ng    | # 0.00    |
| 13) Acenaphthene-d10          | 14.675 | 164  | 10225    | 0.400 | ng    | 0.00      |
| 19) Phenanthrene-d10          | 17.413 | 188  | 20370    | 0.400 | ng    | # 0.00    |
| 29) Chrysene-d12              | 21.610 | 240  | 13233    | 0.400 | ng    | 0.00      |
| 35) Perylene-d12              | 24.117 | 264  | 9743     | 0.400 | ng    | # 0.00    |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.584  | 112  | 2484     | 0.144 | ng    | 0.00      |
| 5) Phenol-d6                  | 7.188  | 99   | 1905     | 0.086 | ng    | 0.00      |
| 8) Nitrobenzene-d5            | 9.201  | 82   | 5551     | 0.367 | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10   | 12.437 | 152  | 9098     | 0.327 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol      | 16.159 | 330  | 1332     | 0.255 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 13.296 | 172  | 14994    | 0.388 | ng    | -0.01     |
| 27) Fluoranthene-d10          | 19.446 | 212  | 16542    | 0.383 | ng    | 0.00      |
| 31) Terphenyl-d14             | 20.034 | 244  | 10751    | 0.482 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.432  | 88   | 68498    | 8.107 | ng    | Qvalue 94 |
| 6) bis(2-Chloroethyl)ether    | 7.455  | 93   | 1267     | 0.058 | ng    | 96        |
| 34) Bis(2-ethylhexyl)phtha... | 21.511 | 149  | 2067     | 0.099 | ng    | # 97      |
| -----                         |        |      |          |       |       |           |

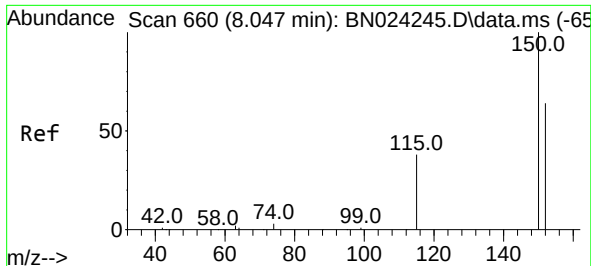
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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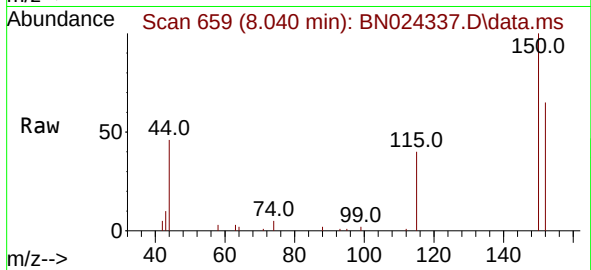
Quant Time: Mar 17 08:49:31 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 17 04:37:08 2023  
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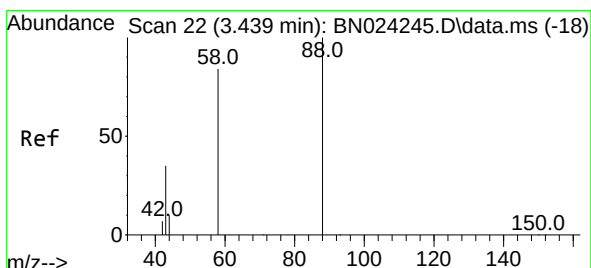
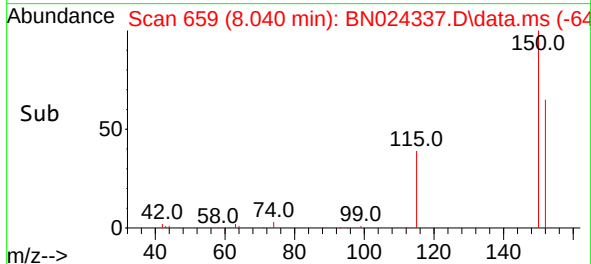
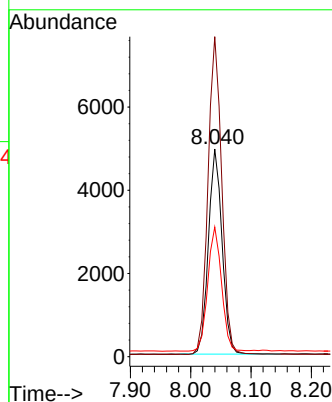


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.040 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230309

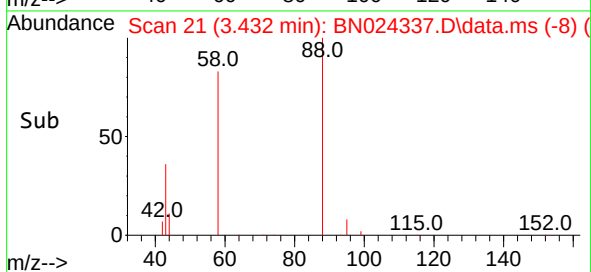
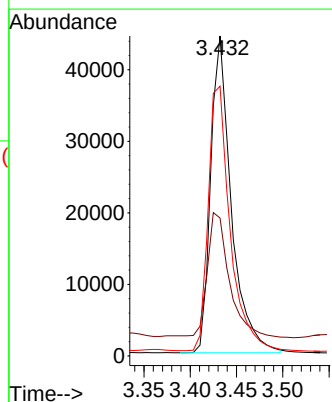
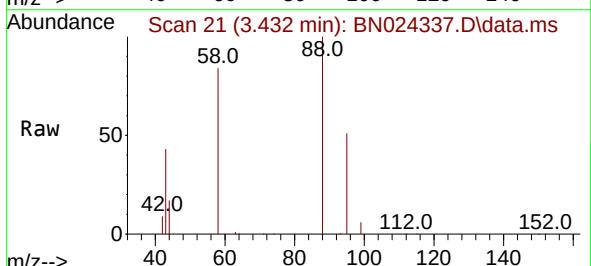


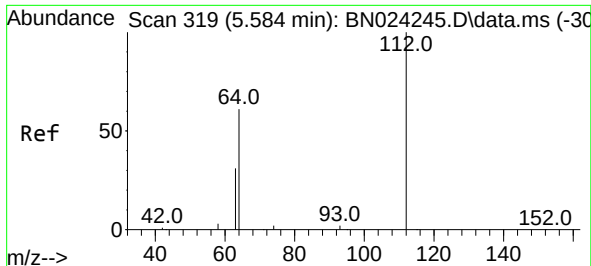
Tgt Ion:152 Resp: 7765  
Ion Ratio Lower Upper  
152 100  
150 154.1 124.7 187.1  
115 62.4 49.1 73.7



#2  
1,4-Dioxane  
Concen: 8.107 ng  
RT: 3.432 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Tgt Ion: 88 Resp: 68498  
Ion Ratio Lower Upper  
88 100  
43 42.0 29.0 43.4  
58 88.7 67.3 100.9

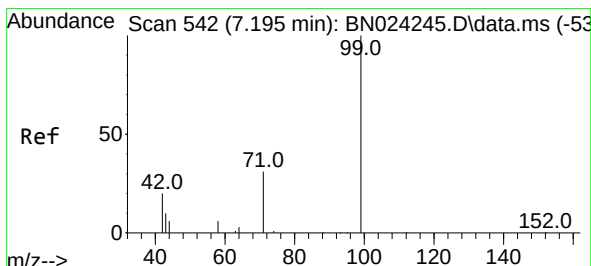
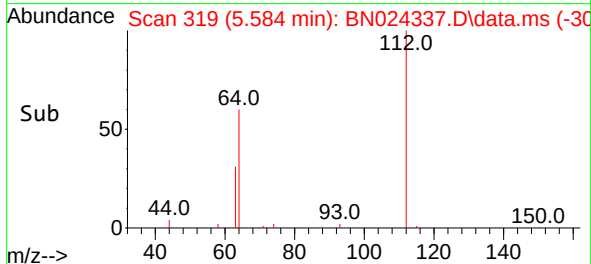
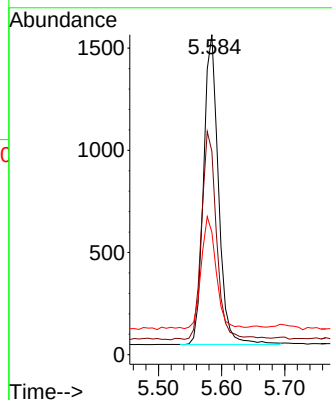
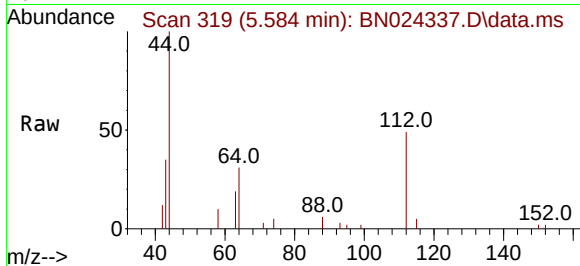




#4  
2-Fluorophenol  
Concen: 0.144 ng  
RT: 5.584 min Scan# 319  
Delta R.T. 0.007 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

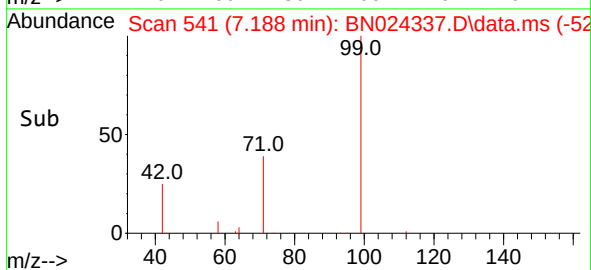
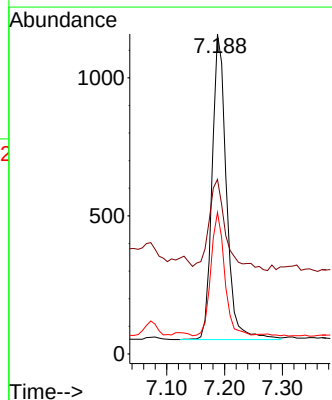
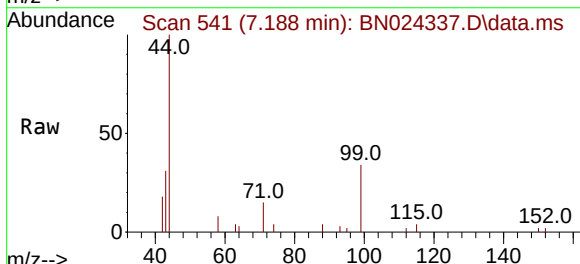
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230309

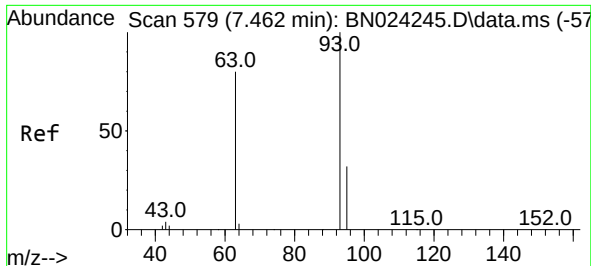
Tgt Ion:112 Resp: 2484  
Ion Ratio Lower Upper  
112 100  
64 68.3 49.0 73.6  
63 36.0 25.7 38.5



#5  
Phenol-d6  
Concen: 0.086 ng  
RT: 7.188 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Tgt Ion: 99 Resp: 1905  
Ion Ratio Lower Upper  
99 100  
42 35.7 20.1 30.1#  
71 39.0 25.8 38.8#

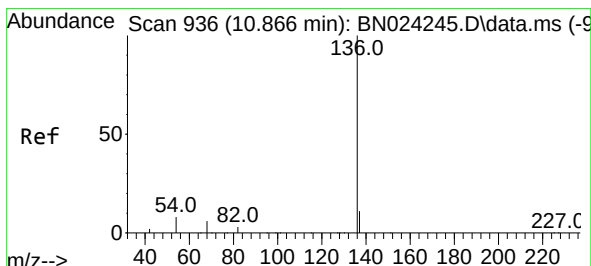
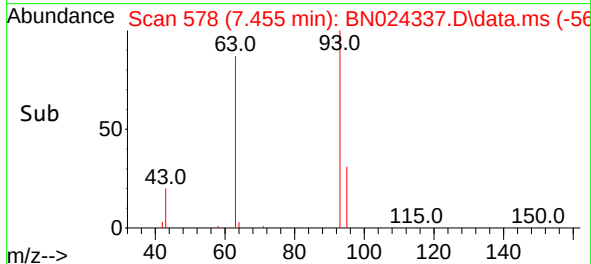
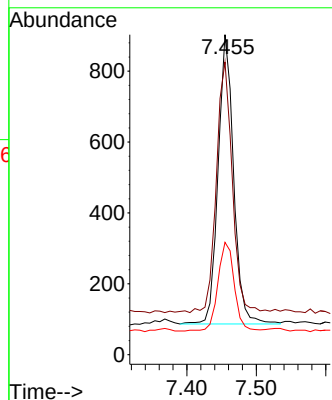
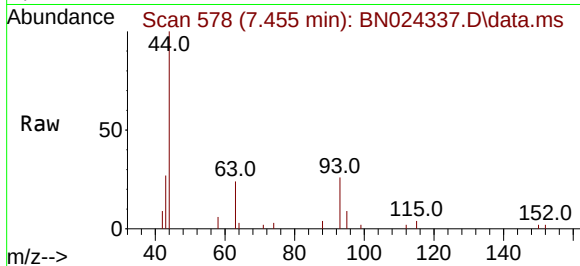




#6  
bis(2-Chloroethyl)ether  
Concen: 0.058 ng  
RT: 7.455 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

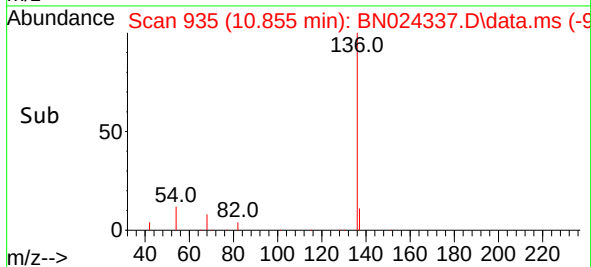
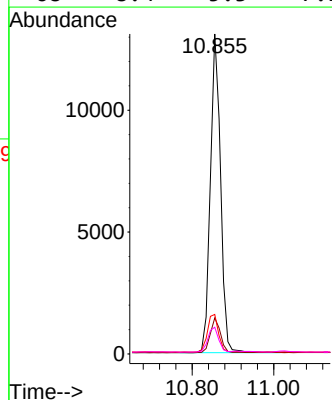
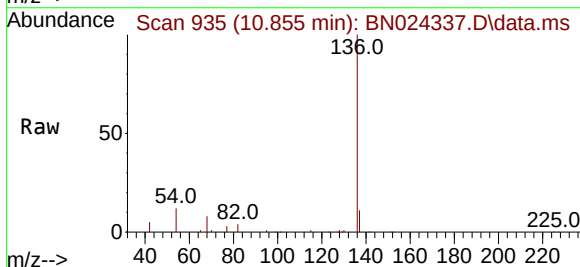
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230309

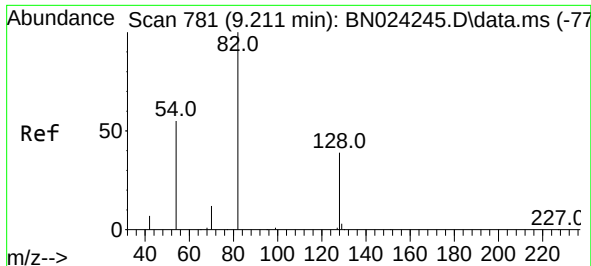
Tgt Ion: 93 Resp: 1267  
Ion Ratio Lower Upper  
93 100  
63 87.3 65.4 98.2  
95 32.2 25.8 38.8



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.855 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Tgt Ion: 136 Resp: 22616  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.9 13.3  
54 12.3 7.1 10.7#  
68 8.4 5.3 7.9#

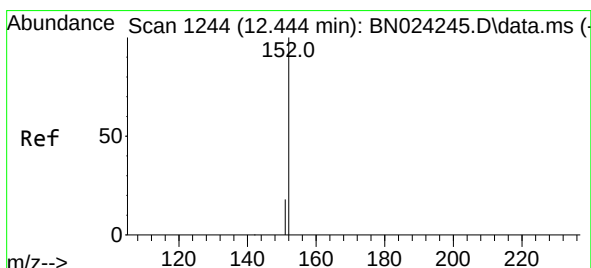
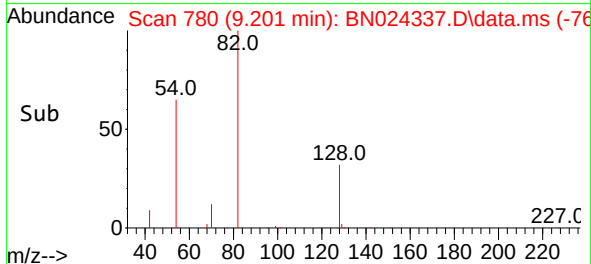
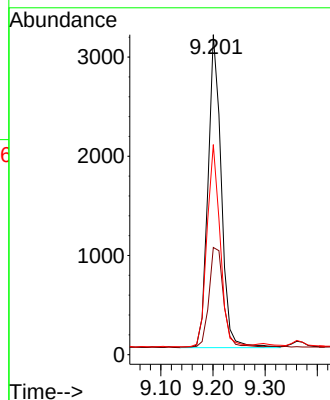
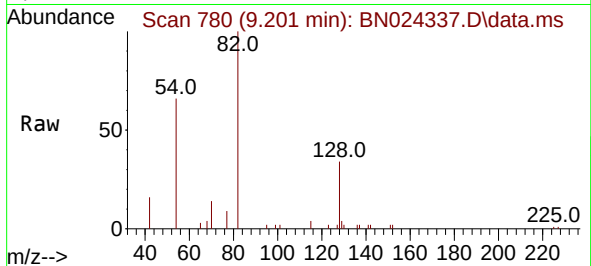




#8  
Nitrobenzene-d5  
Concen: 0.367 ng  
RT: 9.201 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

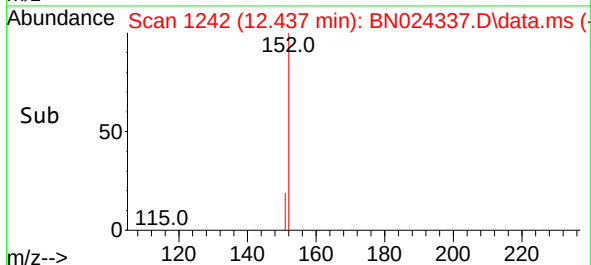
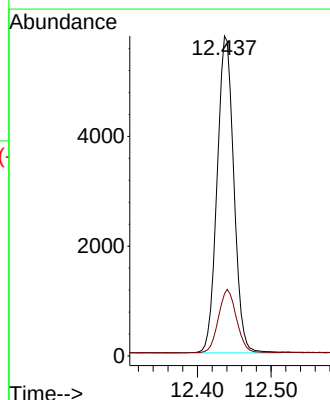
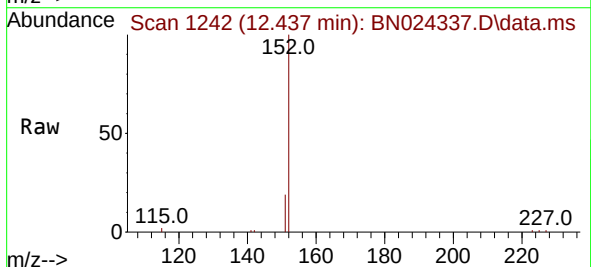
Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230309

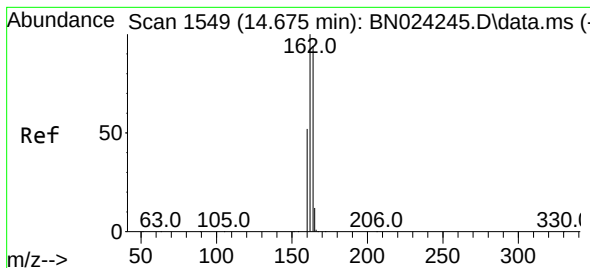
Tgt Ion: 82 Resp: 5551  
Ion Ratio Lower Upper  
82 100  
128 33.5 32.4 48.6  
54 65.6 45.2 67.8



#11  
2-Methylnaphthalene-d10  
Concen: 0.327 ng  
RT: 12.437 min Scan# 1242  
Delta R.T. -0.004 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Tgt Ion: 152 Resp: 9098  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.8 25.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.675 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

Instrument :

BNA\_N

ClientSampleId :

RE115D2-20230309

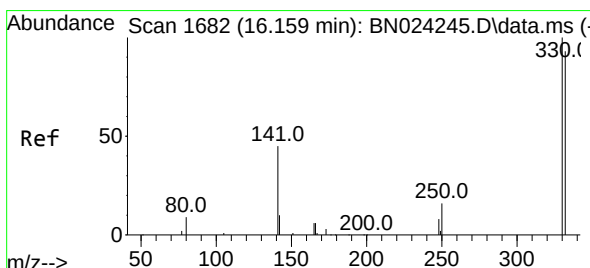
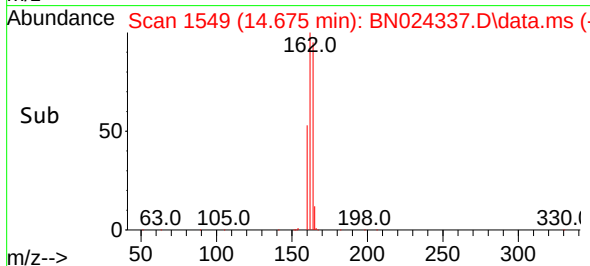
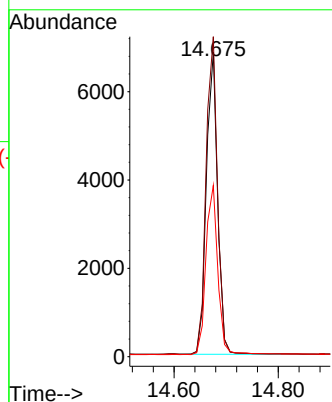
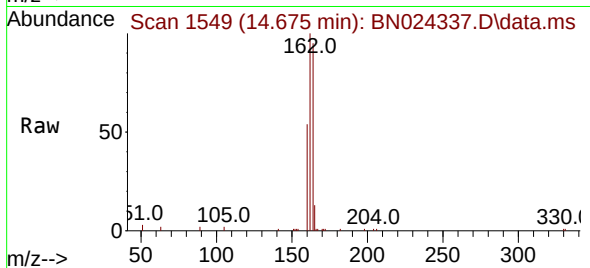
Tgt Ion:164 Resp: 10225

Ion Ratio Lower Upper

164 100

162 105.2 84.7 127.1

160 56.3 44.6 66.8



#14

2,4,6-Tribromophenol

Concen: 0.255 ng

RT: 16.159 min Scan# 1682

Delta R.T. 0.000 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

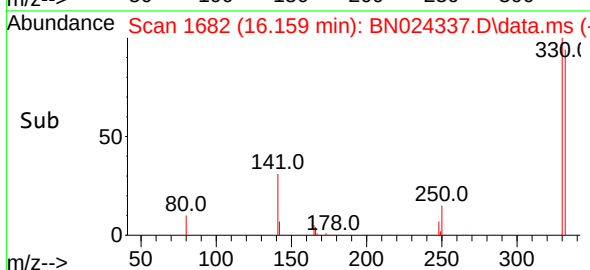
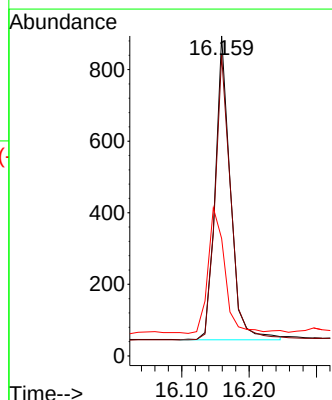
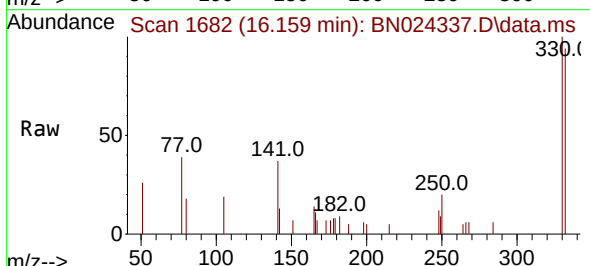
Tgt Ion:330 Resp: 1332

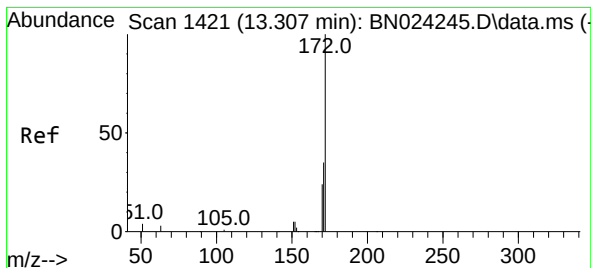
Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

141 46.5 30.8 46.2#





#15

2-Fluorobiphenyl

Concen: 0.388 ng

RT: 13.296 min Scan# 14

Delta R.T. -0.011 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

Instrument :

BNA\_N

ClientSampleId :

RE115D2-20230309

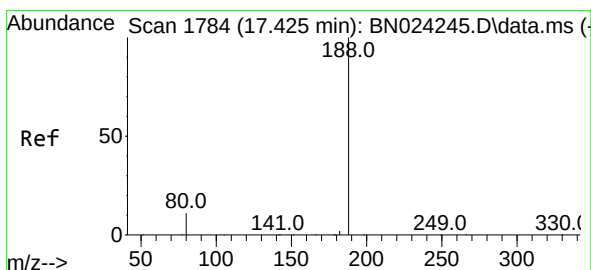
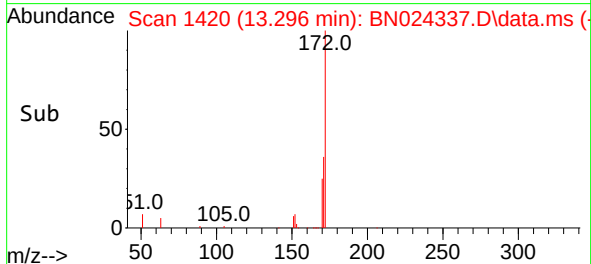
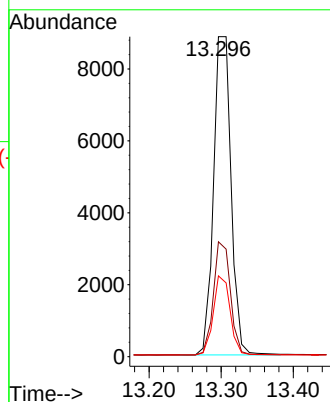
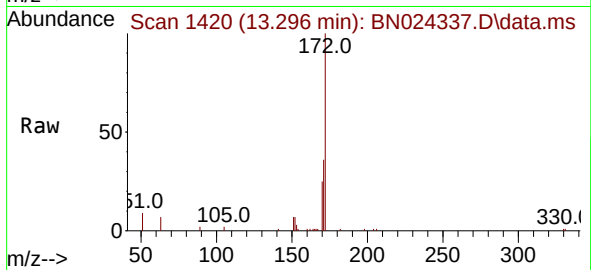
Tgt Ion:172 Resp: 14994

Ion Ratio Lower Upper

172 100

171 35.9 27.8 41.8

170 25.2 19.0 28.6



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.413 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

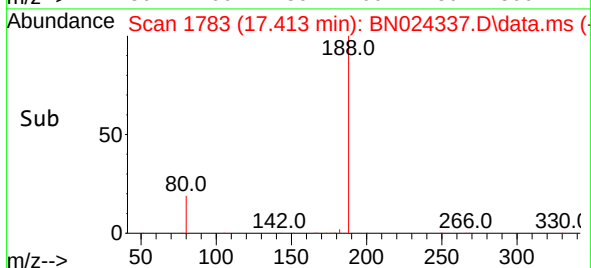
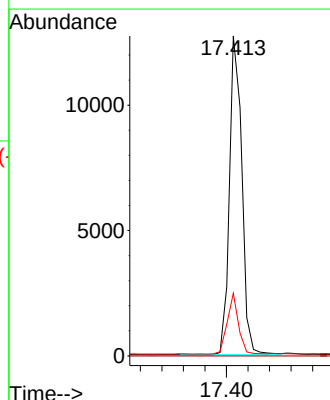
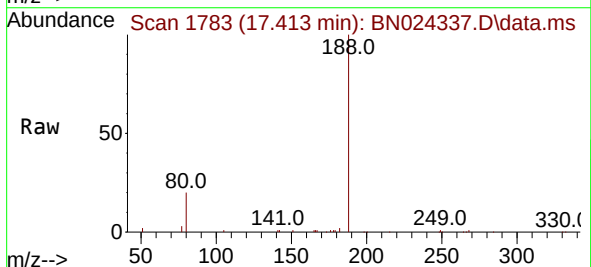
Tgt Ion:188 Resp: 20370

Ion Ratio Lower Upper

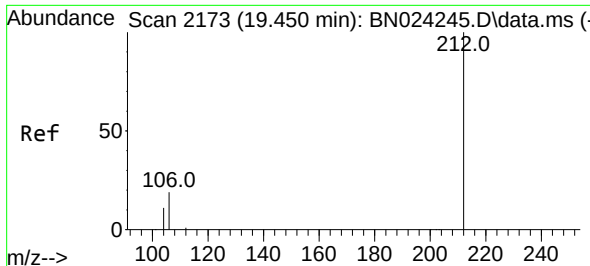
188 100

94 0.0 0.0 0.0

80 19.6 8.9 13.3#



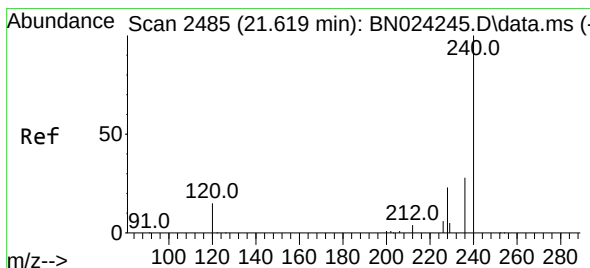
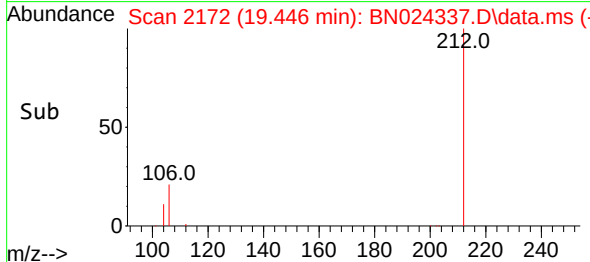
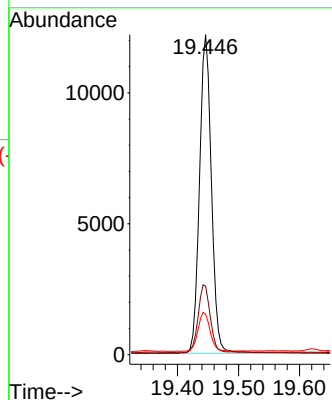
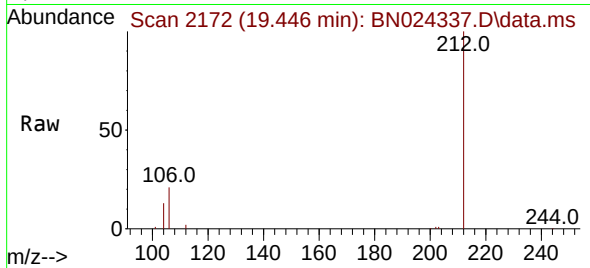




#27  
Fluoranthene-d10  
Concen: 0.383 ng  
RT: 19.446 min Scan# 2172  
Delta R.T. 0.000 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

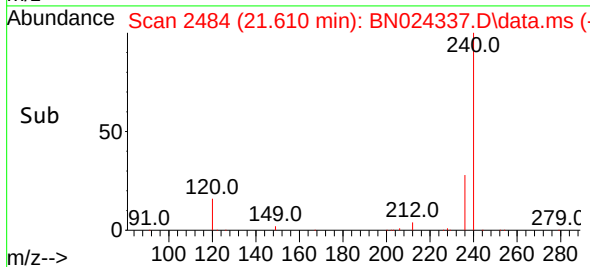
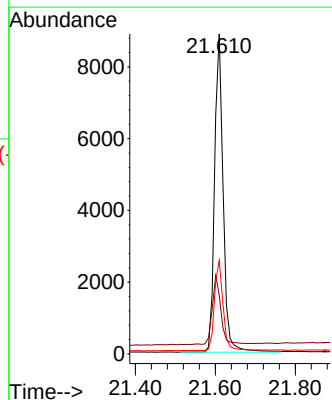
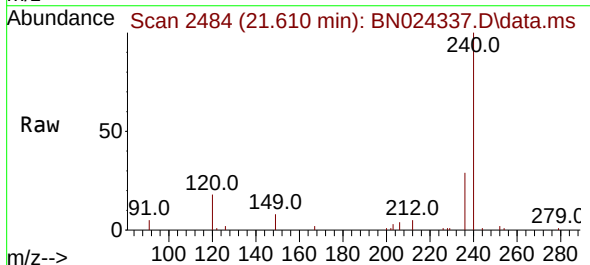
Instrument :  
BNA\_N  
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RE115D2-20230309

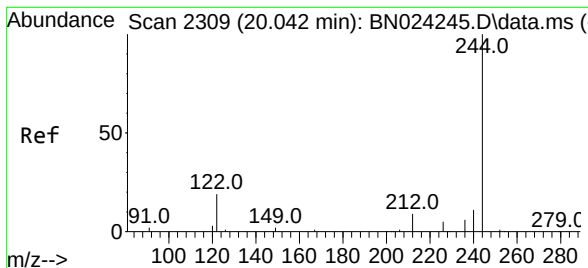
Tgt Ion:212 Resp: 16542  
Ion Ratio Lower Upper  
212 100  
106 21.3 15.4 23.2  
104 12.4 8.6 13.0



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.610 min Scan# 2484  
Delta R.T. 0.009 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Tgt Ion:240 Resp: 13233  
Ion Ratio Lower Upper  
240 100  
120 18.3 12.8 19.2  
236 29.2 22.5 33.7





#31

Terphenyl-d14

Concen: 0.482 ng

RT: 20.034 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

Instrument :

BNA\_N

ClientSampleId :

RE115D2-20230309

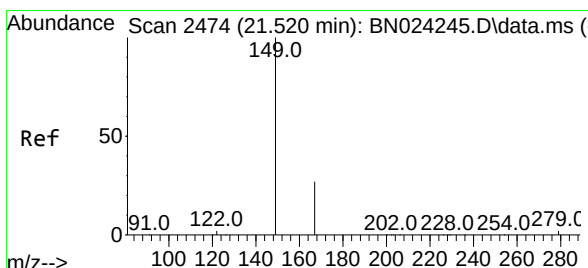
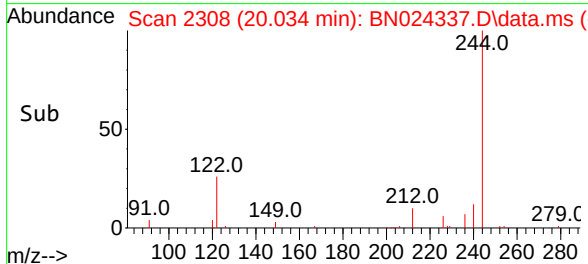
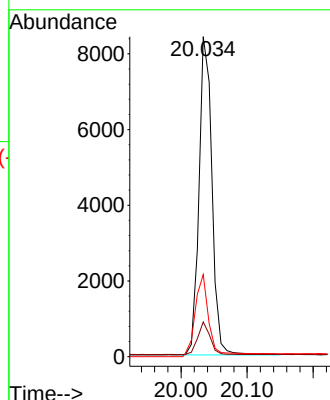
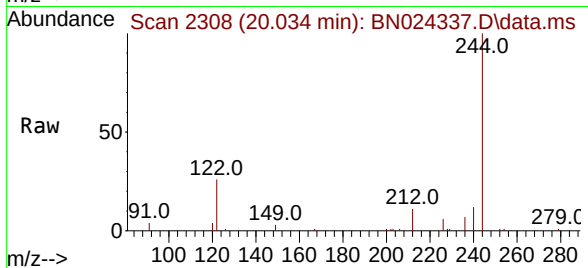
Tgt Ion:244 Resp: 10751

Ion Ratio Lower Upper

244 100

212 10.8 7.6 11.4

122 25.7 15.1 22.7#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.099 ng

RT: 21.511 min Scan# 2473

Delta R.T. 0.009 min

Lab File: BN024337.D

Acq: 17 Mar 2023 08:14

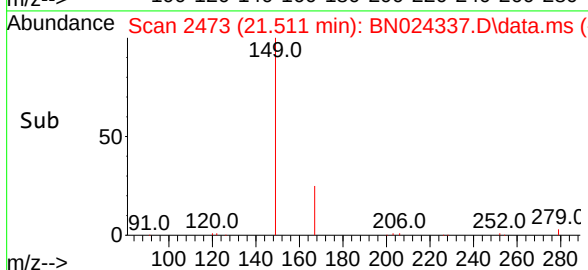
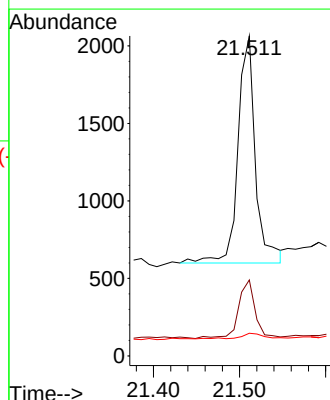
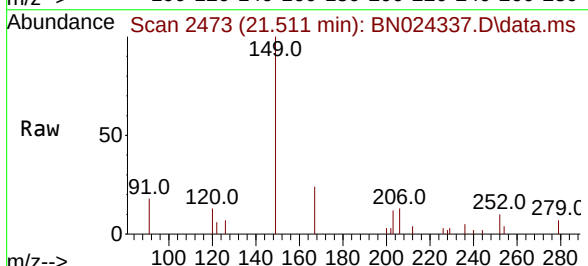
Tgt Ion:149 Resp: 2067

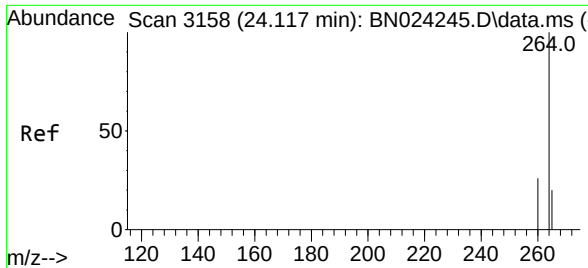
Ion Ratio Lower Upper

149 100

167 25.0 21.2 31.8

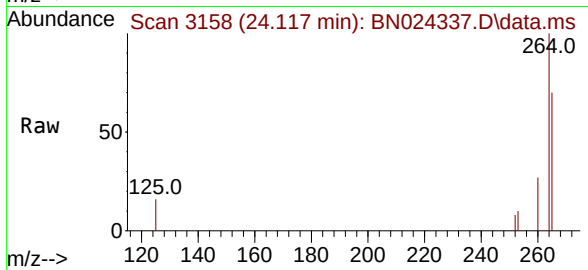
279 3.5 1.8 2.8#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.117 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: BN024337.D  
Acq: 17 Mar 2023 08:14

Instrument :  
BNA\_N  
ClientSampleId :  
RE115D2-20230309



Tgt Ion:264 Resp: 9743  
Ion Ratio Lower Upper  
264 100  
260 27.2 21.4 32.2  
265 70.3 35.7 53.5#

