

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072924\  
 Data File : BN033065.D  
 Acq On : 29 Jul 2024 12:04  
 Operator : MA/JU  
 Sample : P3338-03RE  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 VPB196-HYD-20240718RE

Quant Time: Jul 29 12:34:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 29 10:37:08 2024  
 Response via : Initial Calibration

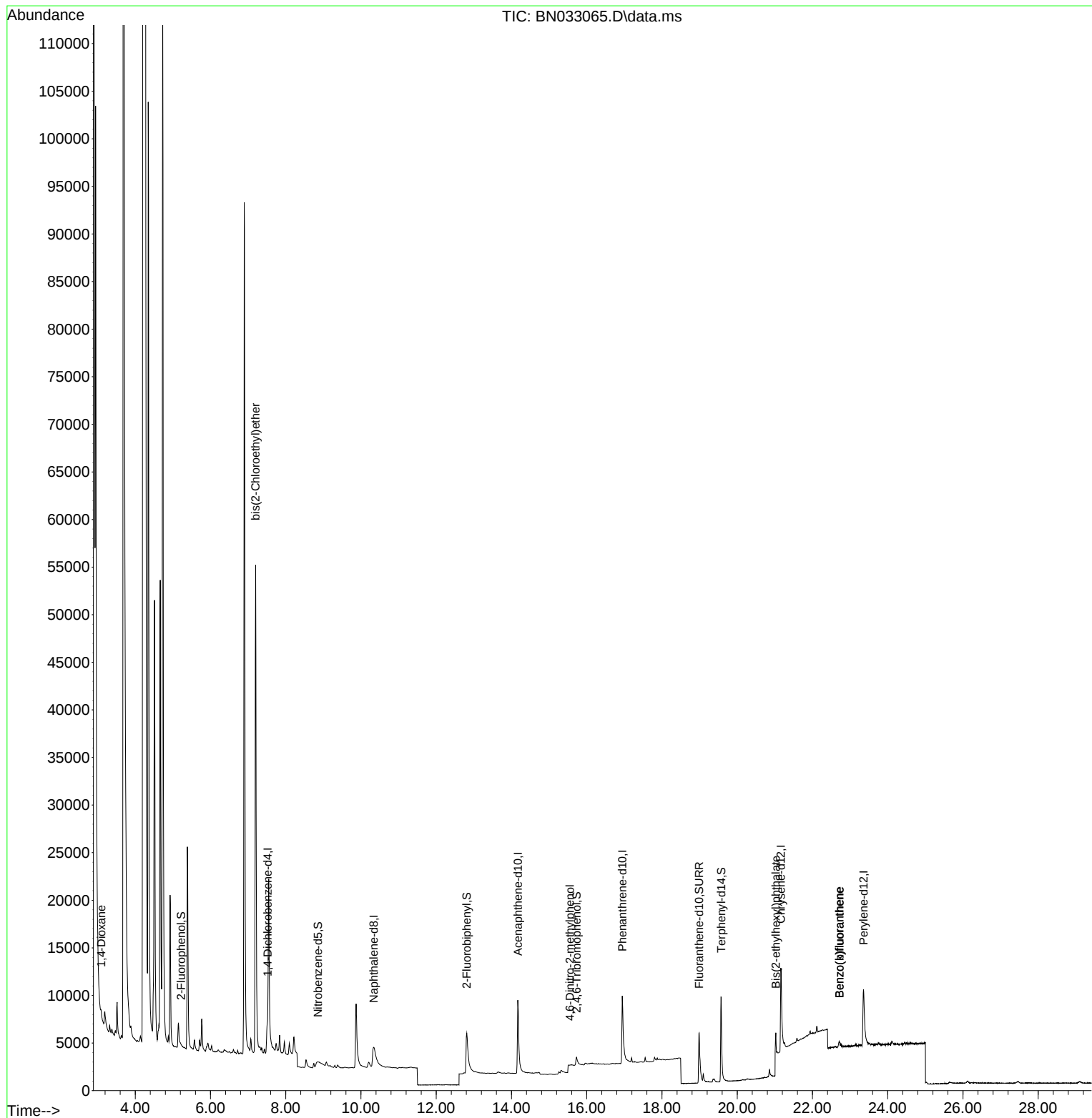
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.517  | 152  | 3358     | 0.400 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.340 | 136  | 10884    | 0.400 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.169 | 164  | 7621     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.945 | 188  | 17378    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.161 | 240  | 14614    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.356 | 264  | 12550    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.221  | 112  | 523      | 0.062 | ng    | -0.02    |
| 5) Phenol-d6                  | 6.903  | 99   | 71       | 0.007 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.856  | 82   | 3657     | 0.446 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.980 | 152  | 17       | 0.001 | ng    | 0.03     |
| 14) 2,4,6-Tribromophenol      | 15.729 | 330  | 921      | 0.283 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.811 | 172  | 10376    | 0.366 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 18.987 | 212  | 9870     | 0.220 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.573 | 244  | 14375    | 0.480 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.097  | 88   | 378      | 0.091 | ng    | # 66     |
| 6) bis(2-Chloroethyl)ether    | 7.199  | 93   | 37577    | 4.262 | ng    | # 56     |
| 20) 4,6-Dinitro-2-methylph... | 15.555 | 198  | 8        | 0.295 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.026 | 149  | 6216     | 0.243 | ng    | # 89     |
| 37) Benzo(b)fluoranthene      | 22.721 | 252  | 1128     | 0.026 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 22.721 | 252  | 1128     | 0.023 | ng    | # 1      |

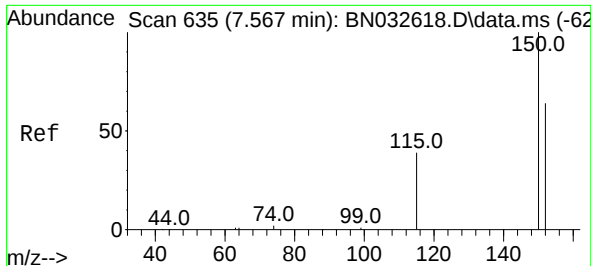
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072924\  
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Quant Time: Jul 29 12:34:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 29 10:37:08 2024  
Response via : Initial Calibration

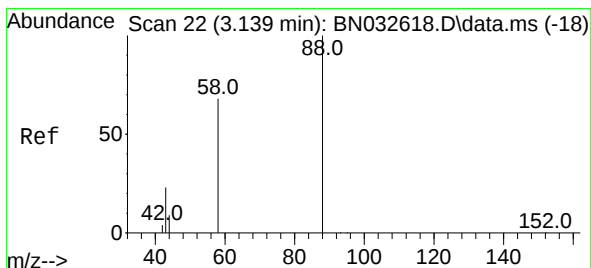
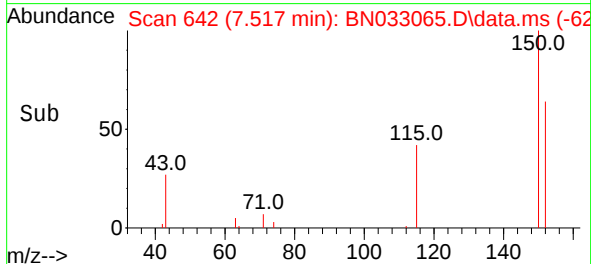
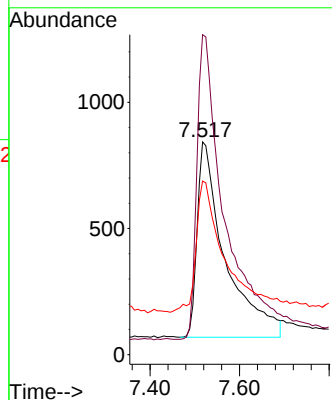
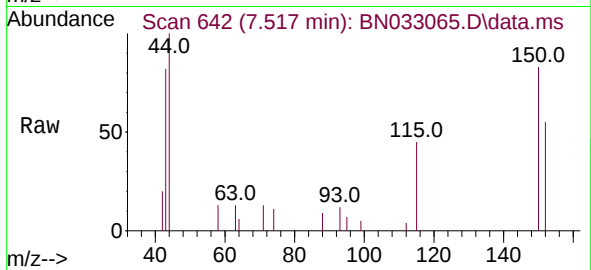




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.517 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

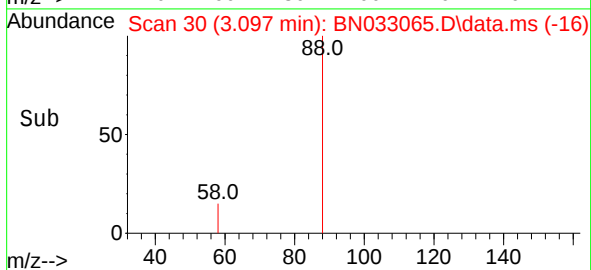
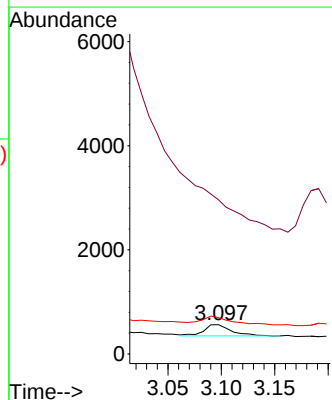
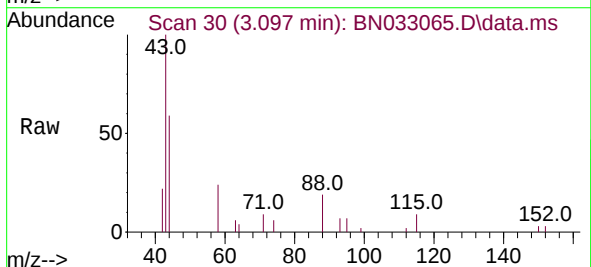
Instrument :  
BNA\_N  
ClientSampleId :  
VPB196-HYD-20240718RE

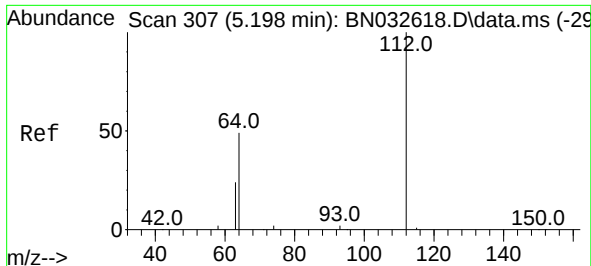
Tgt Ion:152 Resp: 3358  
Ion Ratio Lower Upper  
152 100  
150 150.4 123.8 185.6  
115 81.6 52.8 79.2#



#2  
1,4-Dioxane  
Concen: 0.091 ng  
RT: 3.097 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

Tgt Ion: 88 Resp: 378  
Ion Ratio Lower Upper  
88 100  
43 0.0 18.4 27.6#  
58 83.6 49.2 73.8#





#4

2-Fluorophenol

Concen: 0.062 ng

RT: 5.221 min Scan# 31

Delta R.T. -0.021 min

Lab File: BN033065.D

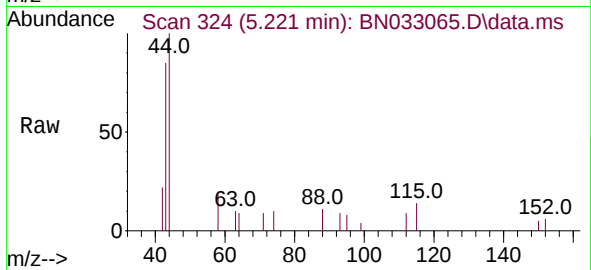
Acq: 29 Jul 2024 12:04

Instrument :

BNA\_N

ClientSampleId :

VPB196-HYD-20240718RE



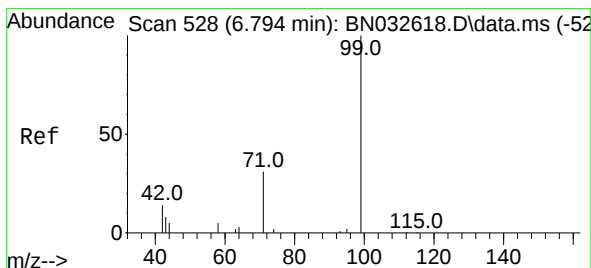
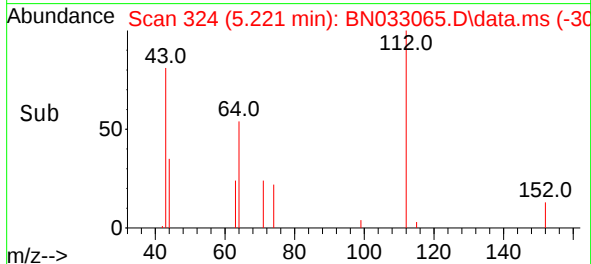
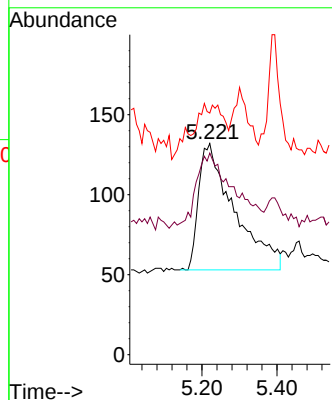
Tgt Ion:112 Resp: 523

Ion Ratio Lower Upper

112 100

64 47.2 40.2 60.4

63 6.7 22.2 33.4#



#5

Phenol-d6

Concen: 0.007 ng

RT: 6.903 min Scan# 557

Delta R.T. 0.000 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

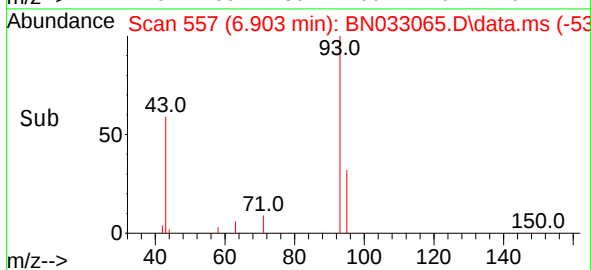
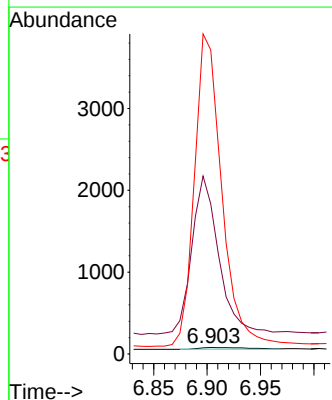
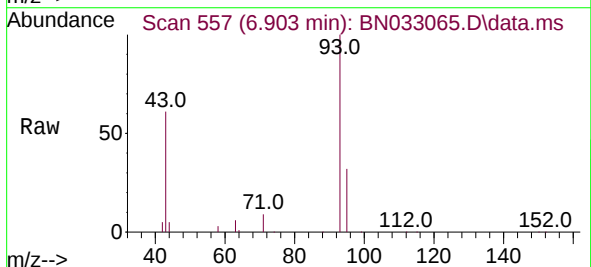
Tgt Ion: 99 Resp: 71

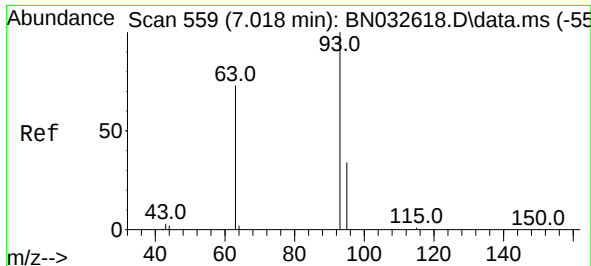
Ion Ratio Lower Upper

99 100

42 4898.6 10.5 15.7#

71 9700.0 22.3 33.5#

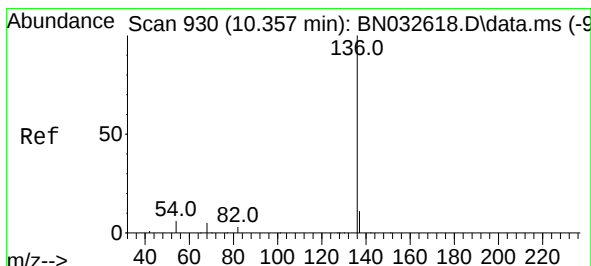
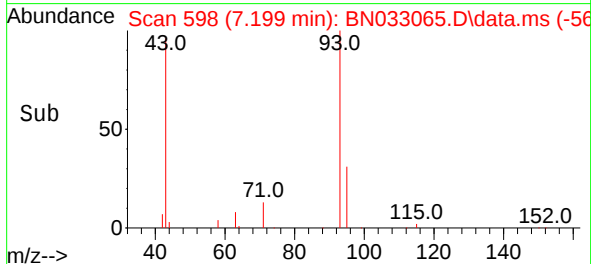
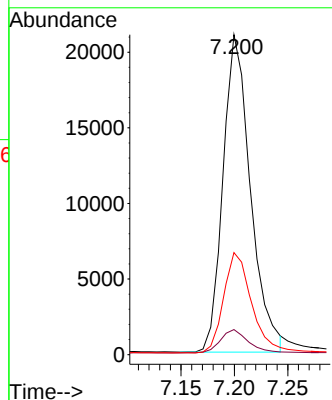
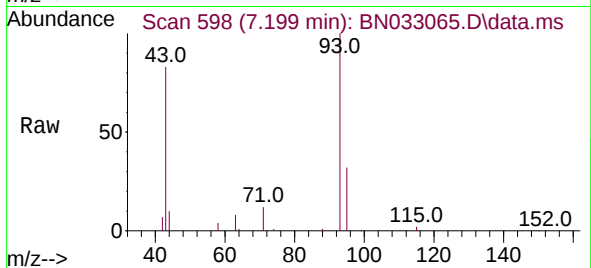




#6  
bis(2-Chloroethyl)ether  
Concen: 4.262 ng  
RT: 7.199 min Scan# 51  
Delta R.T. 0.173 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

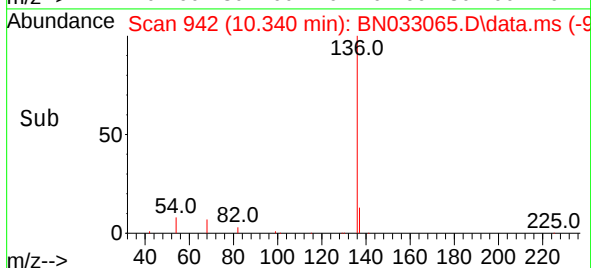
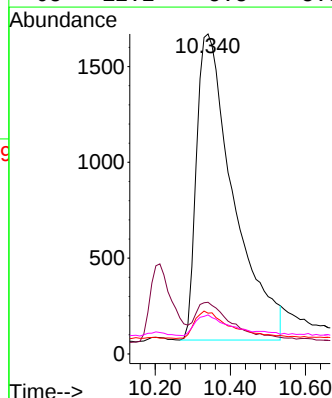
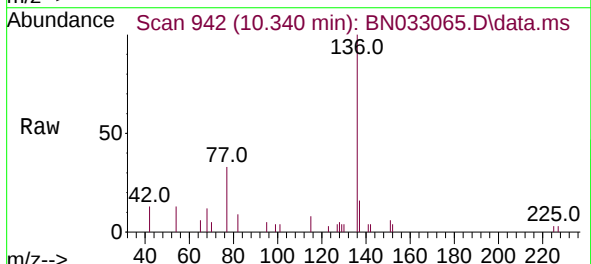
Instrument :  
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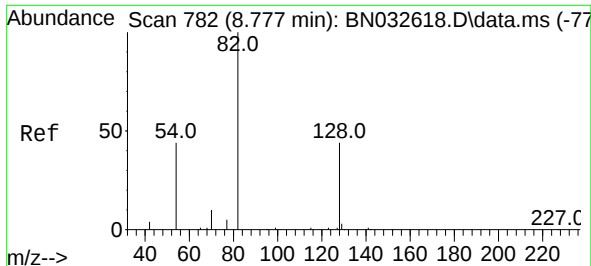
Tgt Ion: 93 Resp: 37577  
Ion Ratio Lower Upper  
93 100  
63 7.5 46.4 69.6#  
95 31.7 25.5 38.3



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.340 min Scan# 942  
Delta R.T. 0.011 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

Tgt Ion: 136 Resp: 10884  
Ion Ratio Lower Upper  
136 100  
137 16.2 9.9 14.9#  
54 12.8 6.5 9.7#  
68 12.2 5.8 8.8#

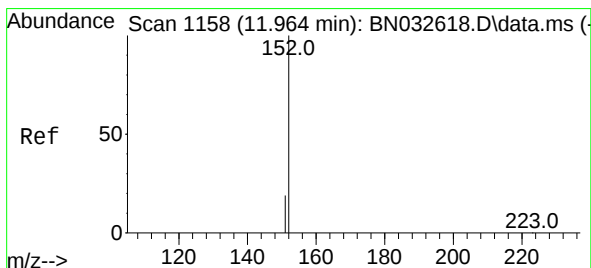
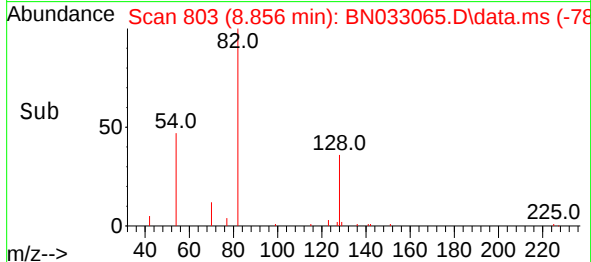
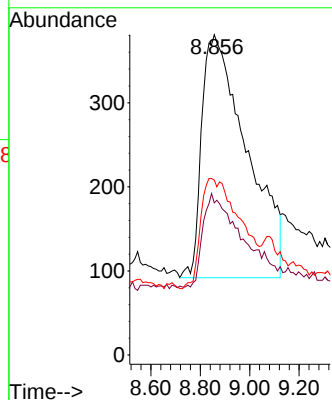
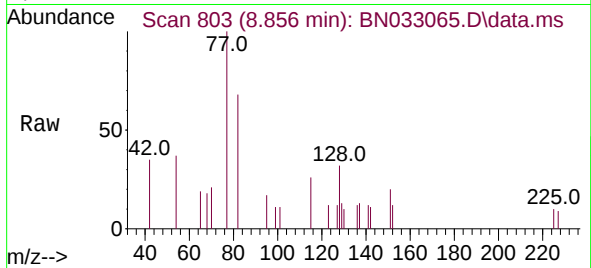




#8  
Nitrobenzene-d5  
Concen: 0.446 ng  
RT: 8.856 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

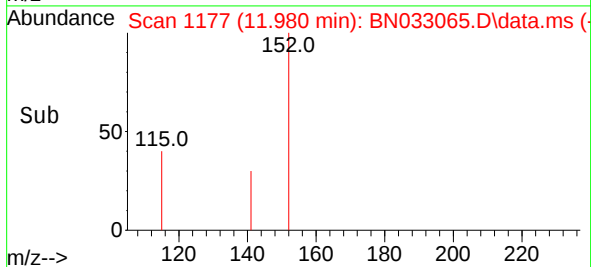
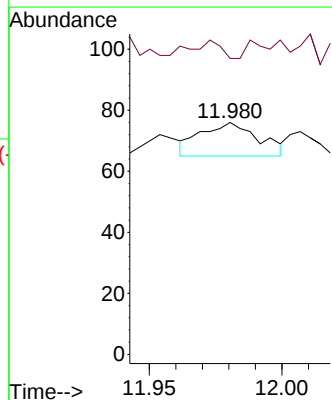
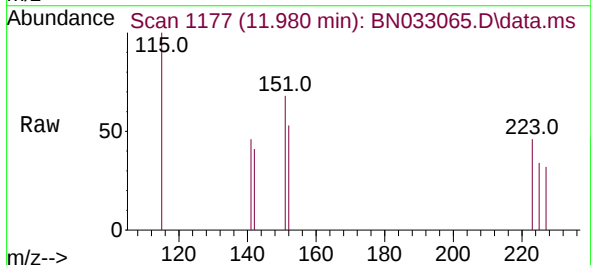
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VPB196-HYD-20240718RE

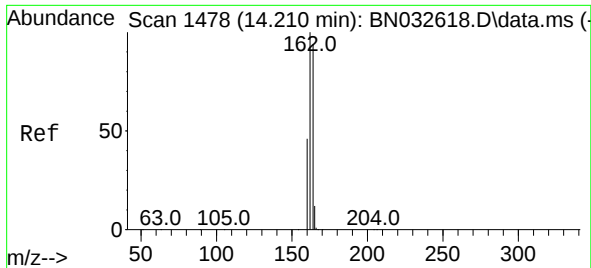
Tgt Ion: 82 Resp: 3657  
Ion Ratio Lower Upper  
82 100  
128 47.5 41.7 62.5  
54 54.6 39.5 59.3



#11  
2-Methylnaphthalene-d10  
Concen: 0.001 ng  
RT: 11.980 min Scan# 1177  
Delta R.T. 0.034 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

Tgt Ion: 152 Resp: 17  
Ion Ratio Lower Upper  
152 100  
151 17.6 16.2 24.2

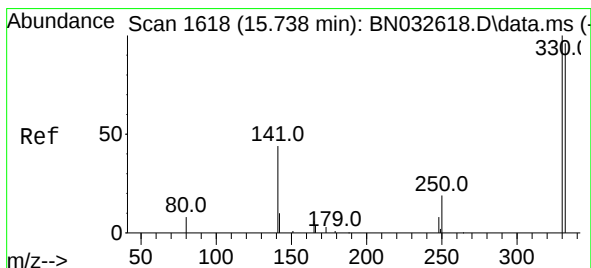
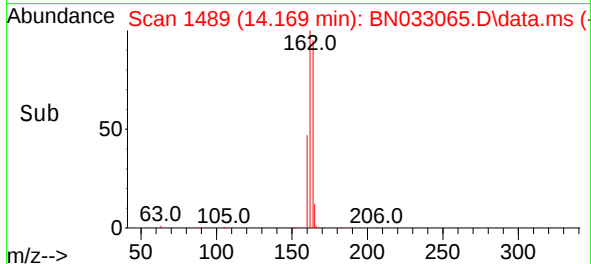
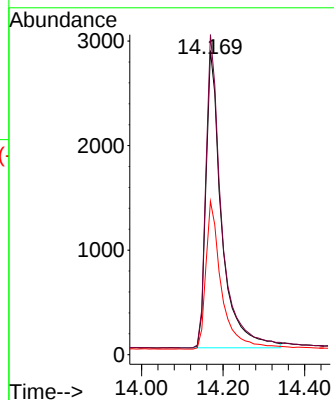
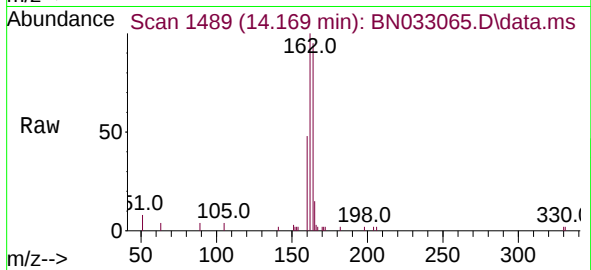




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.169 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

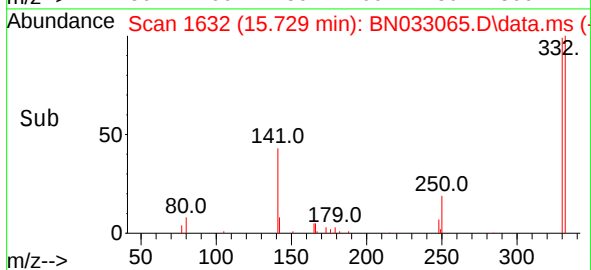
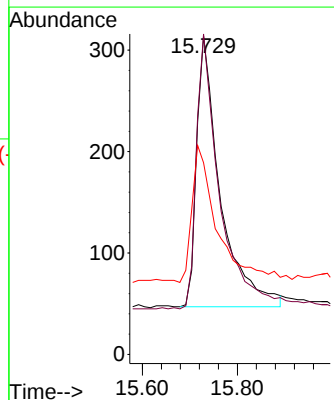
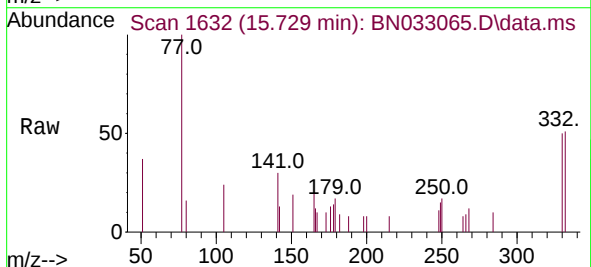
Instrument :  
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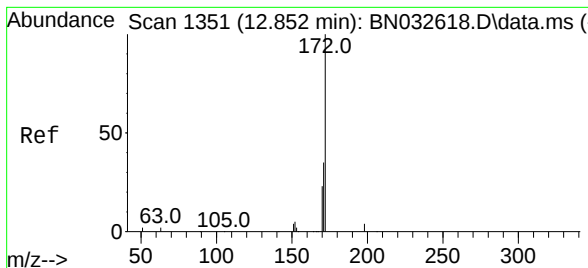
Tgt Ion:164 Resp: 7621  
Ion Ratio Lower Upper  
164 100  
162 105.3 85.0 127.4  
160 50.4 39.4 59.2



#14  
2,4,6-Tribromophenol  
Concen: 0.283 ng  
RT: 15.729 min Scan# 1632  
Delta R.T. -0.012 min  
Lab File: BN033065.D  
Acq: 29 Jul 2024 12:04

Tgt Ion:330 Resp: 921  
Ion Ratio Lower Upper  
330 100  
332 98.9 77.8 116.8  
141 54.1 34.2 51.2#





#15

2-Fluorobiphenyl

Concen: 0.366 ng

RT: 12.811 min Scan# 1362

Delta R.T. -0.011 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

Instrument :

BNA\_N

ClientSampleId :

VPB196-HYD-20240718RE

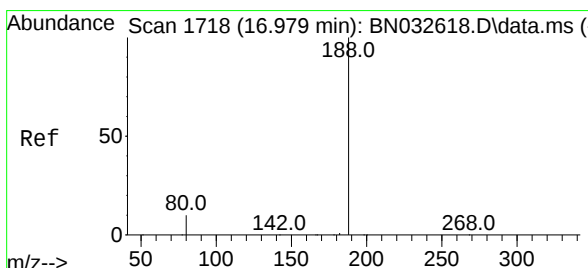
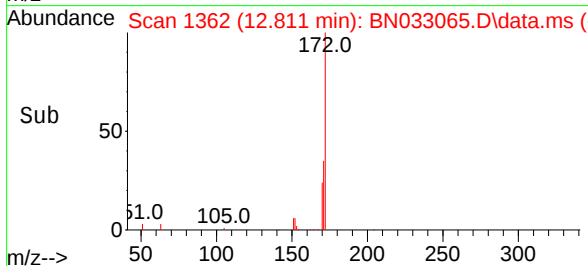
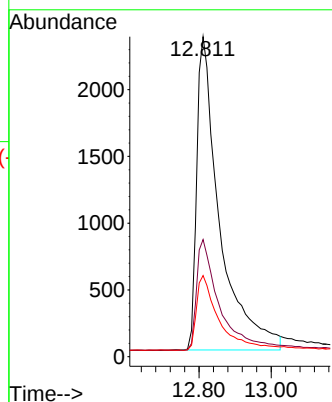
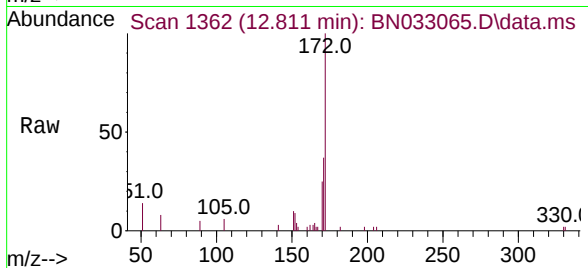
Tgt Ion:172 Resp: 10376

Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

170 25.4 19.0 28.6



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.945 min Scan# 1730

Delta R.T. -0.012 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

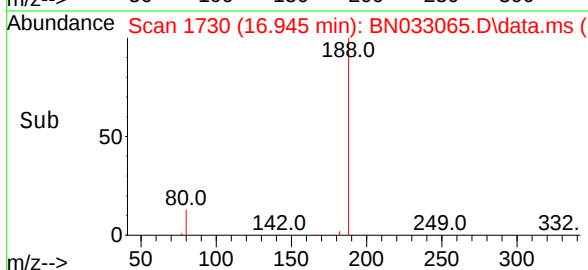
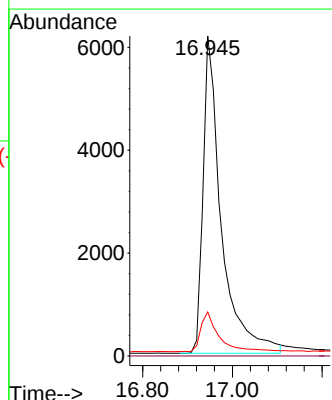
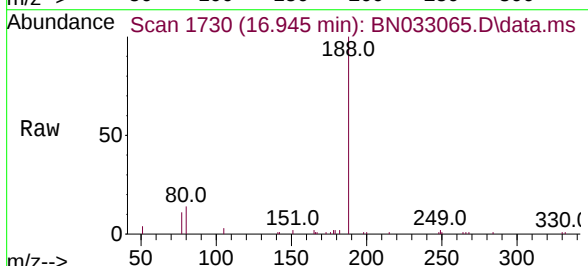
Tgt Ion:188 Resp: 17378

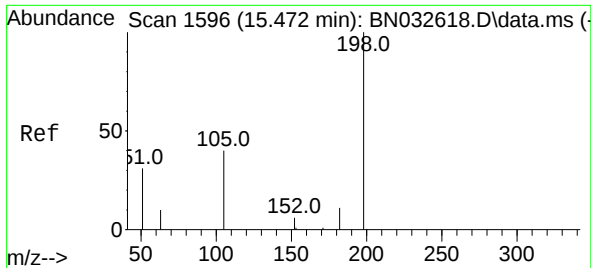
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.7 8.8 13.2#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.295 ng

RT: 15.555 min Scan# 1

Delta R.T. -0.037 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

Instrument :

BNA\_N

ClientSampleId :

VPB196-HYD-20240718RE

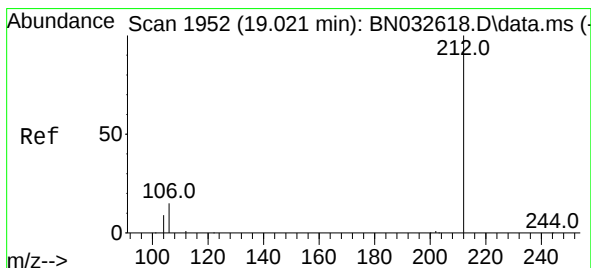
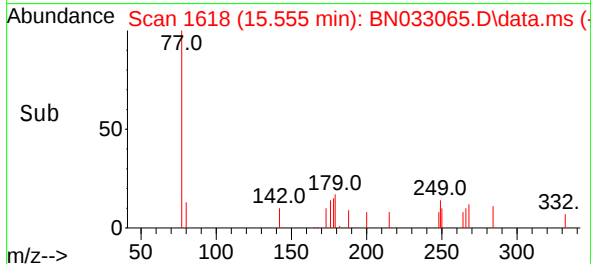
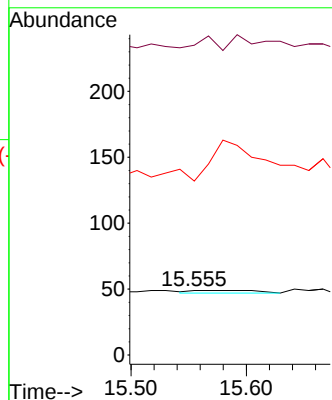
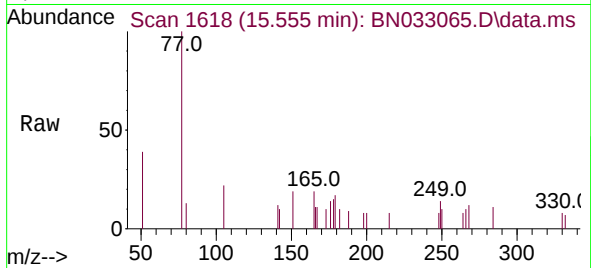
Tgt Ion:198 Resp: 8

Ion Ratio Lower Upper

198 100

51 479.6 105.7 158.5#

105 269.4 63.0 94.6#



#27

Fluoranthene-d10

Concen: 0.220 ng

RT: 18.987 min Scan# 1959

Delta R.T. -0.004 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

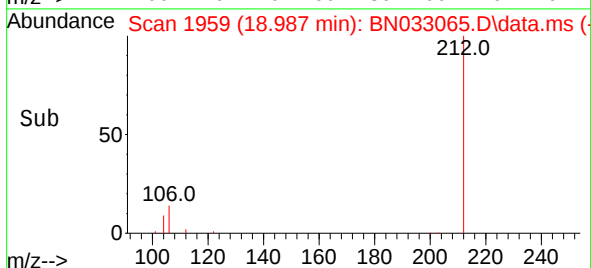
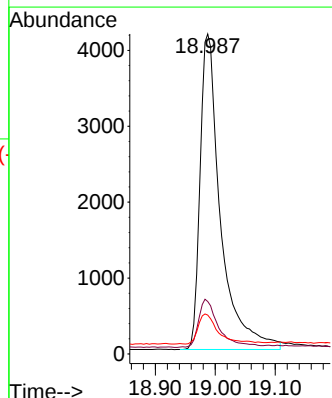
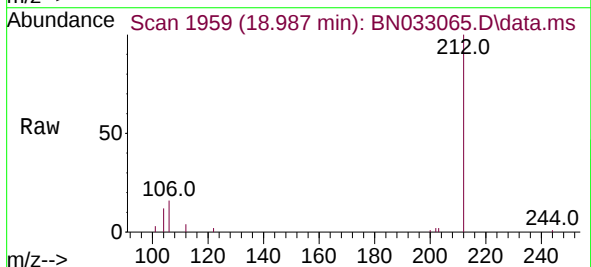
Tgt Ion:212 Resp: 9870

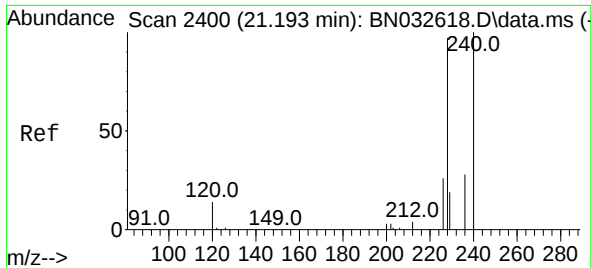
Ion Ratio Lower Upper

212 100

106 15.0 11.9 17.9

104 9.6 6.9 10.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.161 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

Instrument :

BNA\_N

ClientSampleId :

VPB196-HYD-20240718RE

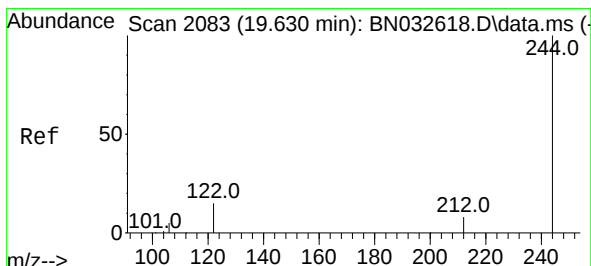
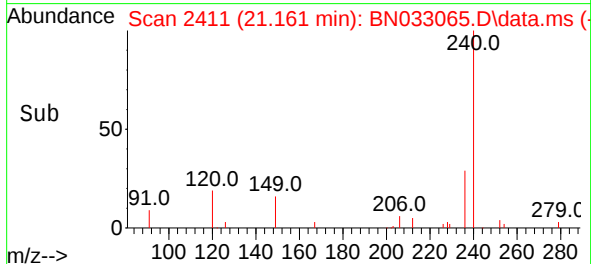
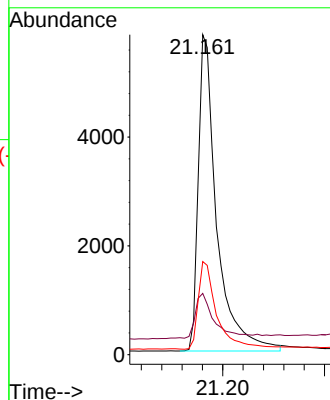
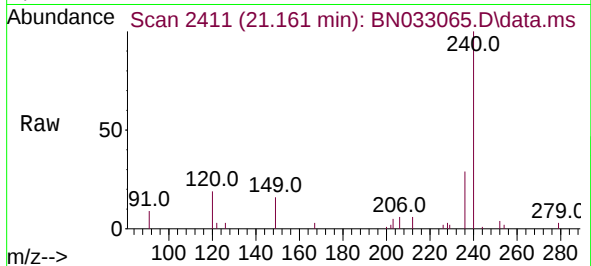
Tgt Ion:240 Resp: 14614

Ion Ratio Lower Upper

240 100

120 19.2 14.8 22.2

236 29.1 23.3 34.9



#31

Terphenyl-d14

Concen: 0.480 ng

RT: 19.573 min Scan# 2085

Delta R.T. -0.023 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

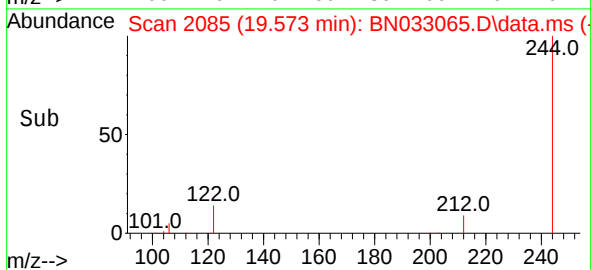
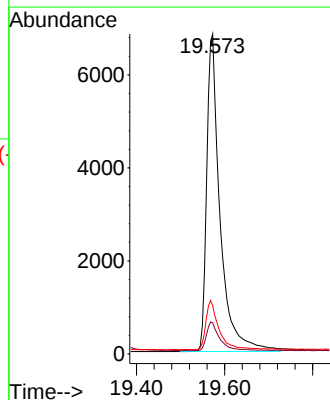
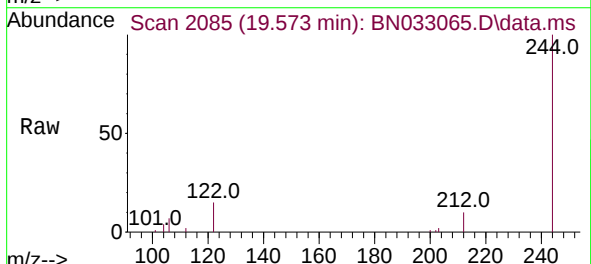
Tgt Ion:244 Resp: 14375

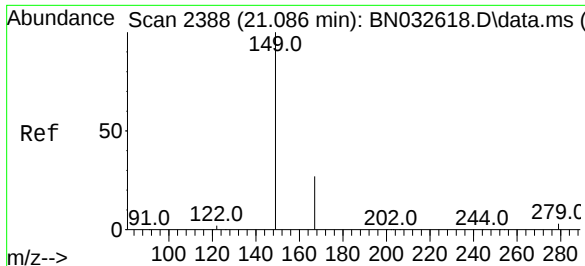
Ion Ratio Lower Upper

244 100

212 9.8 7.5 11.3

122 15.2 12.6 19.0

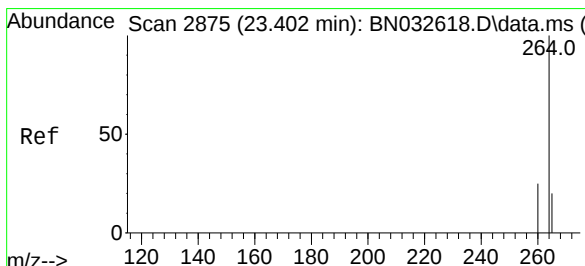
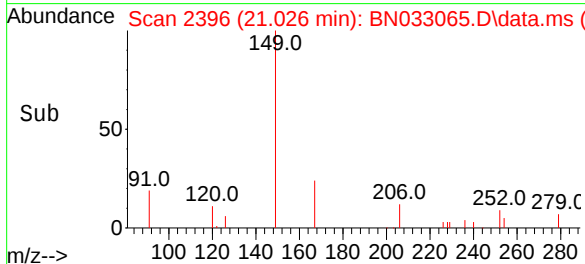
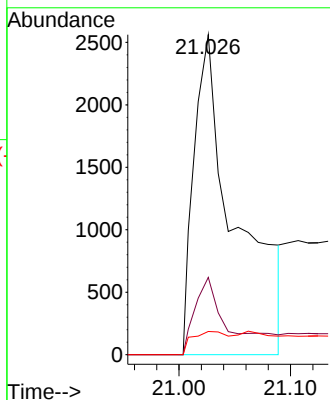
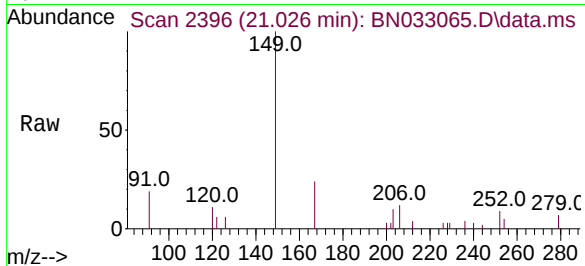




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.243 ng  
 RT: 21.026 min Scan# 2396  
 Delta R.T. 0.000 min  
 Lab File: BN033065.D  
 Acq: 29 Jul 2024 12:04

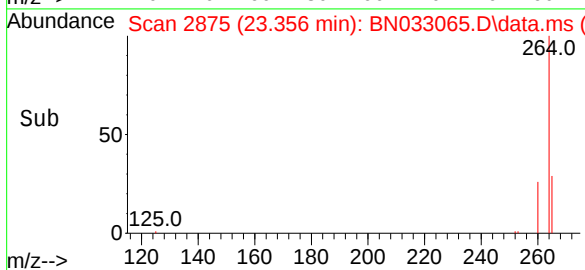
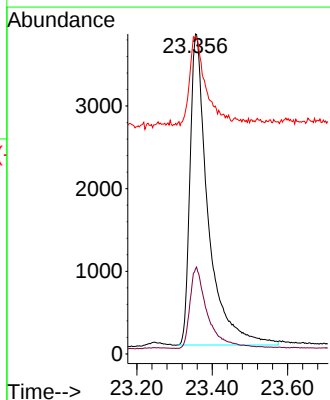
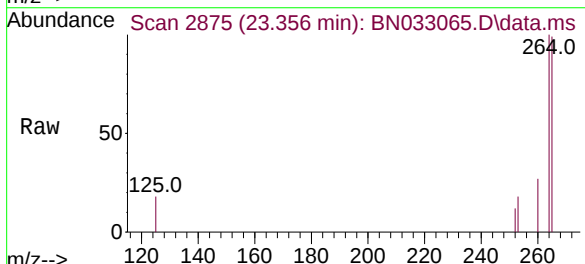
Instrument :  
 BNA\_N  
 ClientSampleId :  
 VPB196-HYD-20240718RE

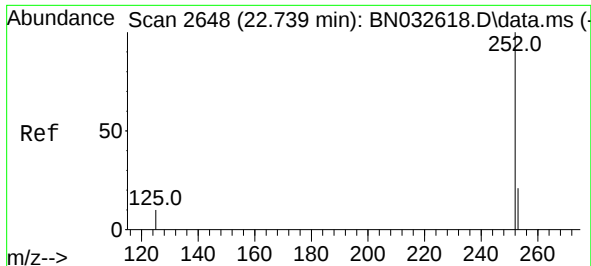
Tgt Ion:149 Resp: 6216  
 Ion Ratio Lower Upper  
 149 100  
 167 20.8 21.4 32.2#  
 279 5.8 2.8 4.2#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.356 min Scan# 2875  
 Delta R.T. 0.003 min  
 Lab File: BN033065.D  
 Acq: 29 Jul 2024 12:04

Tgt Ion:264 Resp: 12550  
 Ion Ratio Lower Upper  
 264 100  
 260 26.6 20.9 31.3  
 265 99.2 85.4 128.2





#37

Benzo(b)fluoranthene

Concen: 0.026 ng

RT: 22.721 min Scan# 2658

Delta R.T. 0.024 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

Instrument :

BNA\_N

ClientSampleId :

VPB196-HYD-20240718RE

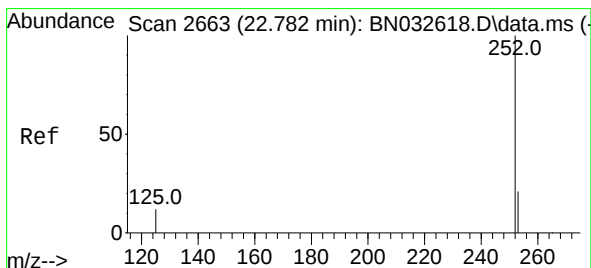
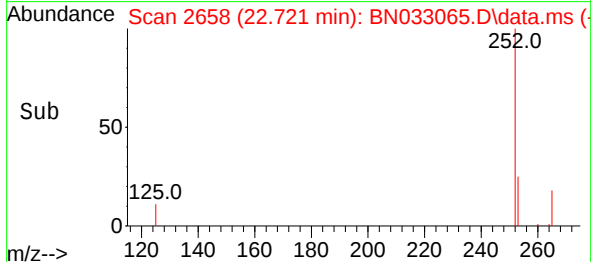
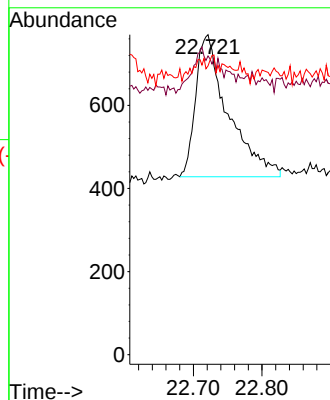
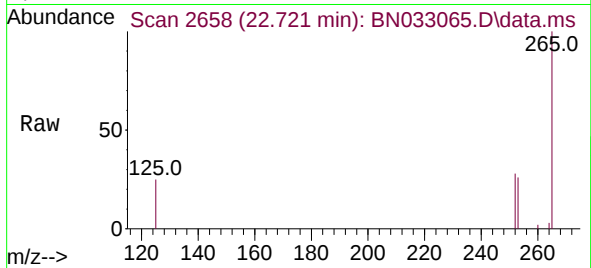
Tgt Ion:252 Resp: 1128

Ion Ratio Lower Upper

252 100

253 93.4 22.3 33.5#

125 90.3 15.4 23.2#



#38

Benzo(k)fluoranthene

Concen: 0.023 ng

RT: 22.721 min Scan# 2658

Delta R.T. -0.020 min

Lab File: BN033065.D

Acq: 29 Jul 2024 12:04

Tgt Ion:252 Resp: 1128

Ion Ratio Lower Upper

252 100

253 93.4 22.6 34.0#

125 90.3 16.2 24.4#

