

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080324\  
 Data File : BN033215.D  
 Acq On : 02 Aug 2024 23:25  
 Operator : MA/JU  
 Sample : P3410-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GW-S-864-9-14-073024

Quant Time: Aug 03 01:11:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 02 22:49:47 2024  
 Response via : Initial Calibration

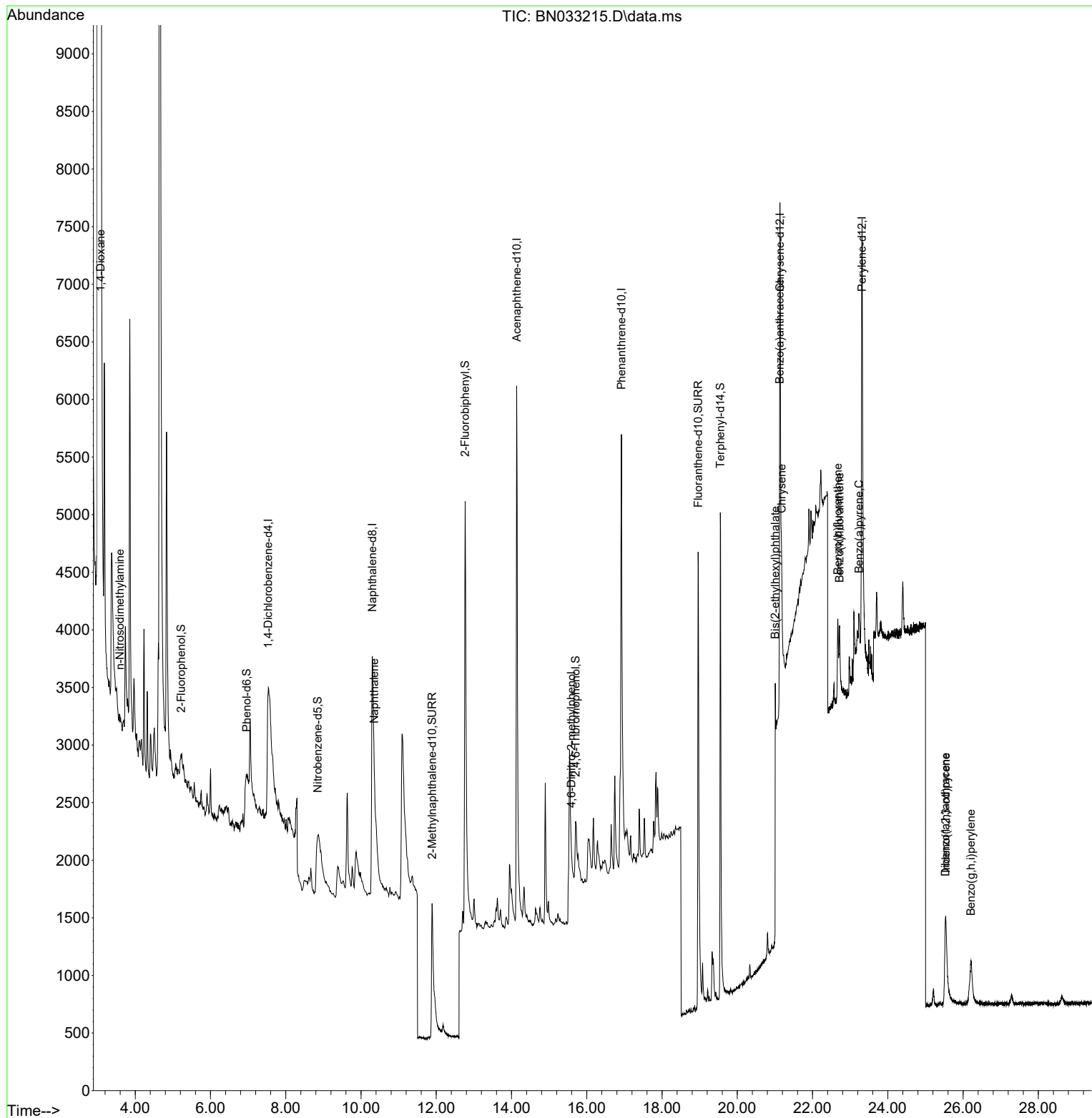
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.532  | 152  | 2045     | 0.400 | ng    | # 0.03   |
| 7) Naphthalene-d8             | 10.298 | 136  | 7916     | 0.400 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.137 | 164  | 3958     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.920 | 188  | 7205     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.134 | 240  | 5794     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.315 | 264  | 6807     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.221  | 112  | 1091     | 0.211 | ng    | -0.02    |
| 5) Phenol-d6                  | 6.961  | 99   | 839      | 0.131 | ng    | 0.08     |
| 8) Nitrobenzene-d5            | 8.845  | 82   | 2365     | 0.397 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10   | 11.890 | 152  | 3908     | 0.323 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.704 | 330  | 455      | 0.269 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.768 | 172  | 6567     | 0.446 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 18.959 | 212  | 6787     | 0.364 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.549 | 244  | 5923     | 0.499 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.076  | 88   | 23403    | 9.238 | ng    | # 89     |
| 3) n-Nitrosodimethylamine     | 3.588  | 42   | 45       | 0.021 | ng    | # 1      |
| 9) Naphthalene                | 10.351 | 128  | 839      | 0.038 | ng    | # 51     |
| 20) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 112      | 0.365 | ng    | # 1      |
| 32) Benzo(a)anthracene        | 21.125 | 228  | 726      | 0.040 | ng    | # 72     |
| 33) Chrysene                  | 21.178 | 228  | 1118     | 0.051 | ng    | # 79     |
| 34) Bis(2-ethylhexyl)phtha... | 21.008 | 149  | 1625     | 0.160 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.540 | 276  | 1227     | 0.046 | ng    | # 94     |
| 37) Benzo(b)fluoranthene      | 22.671 | 252  | 984      | 0.042 | ng    | # 10     |
| 38) Benzo(k)fluoranthene      | 22.715 | 252  | 1147     | 0.042 | ng    | # 9      |
| 39) Benzo(a)pyrene            | 23.236 | 252  | 699      | 0.033 | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 25.528 | 278  | 1073     | 0.051 | ng    | # 2      |
| 41) Benzo(g,h,i)perylene      | 26.209 | 276  | 1060     | 0.045 | ng    | # 41     |
| -----                         |        |      |          |       |       |          |

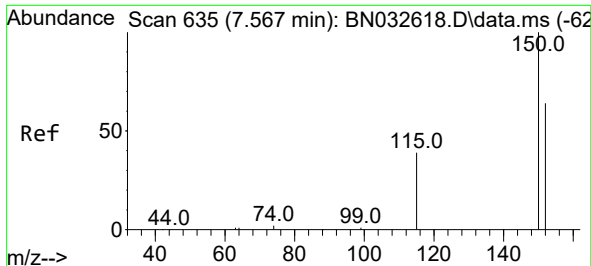
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080324\  
Data File : BN033215.D  
Acq On : 02 Aug 2024 23:25  
Operator : MA/JU  
Sample : P3410-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

Quant Time: Aug 03 01:11:19 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 02 22:49:47 2024  
Response via : Initial Calibration

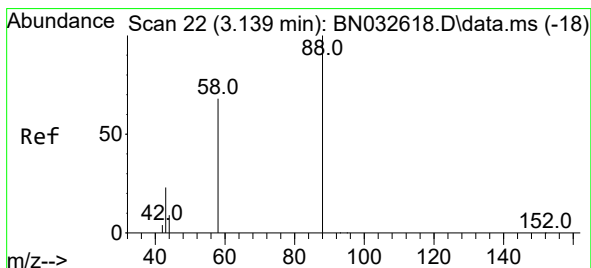
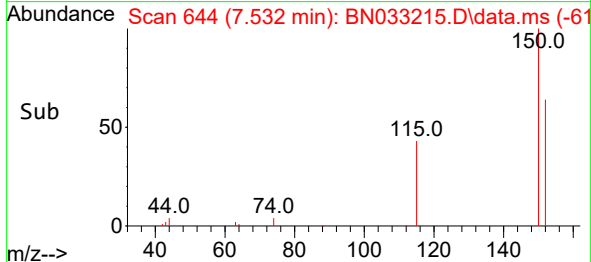
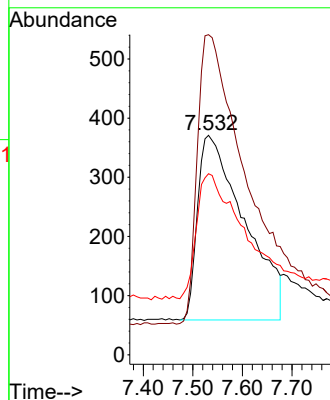
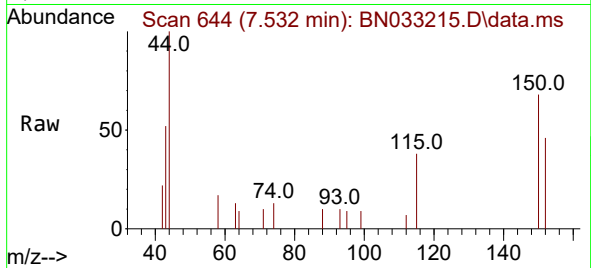




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.532 min Scan# 64  
Delta R.T. 0.029 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

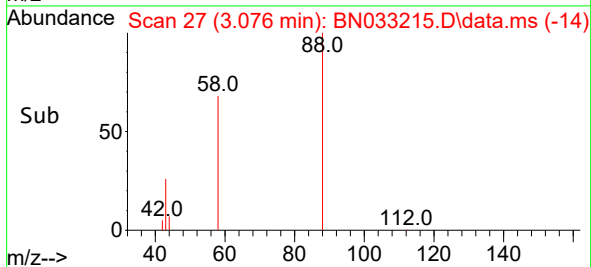
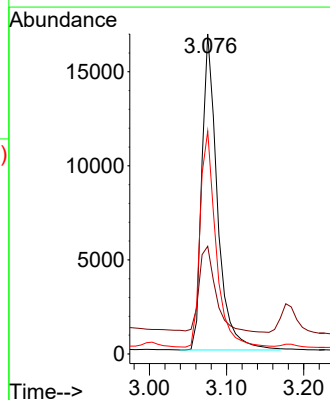
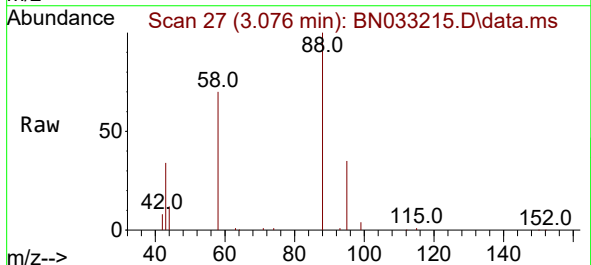
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

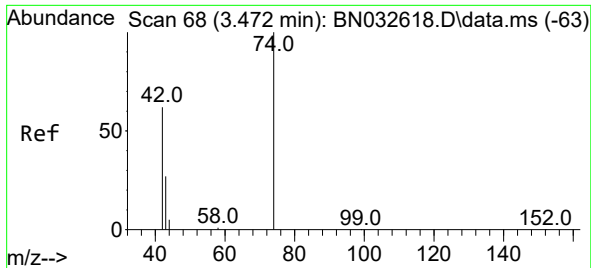
Tgt Ion:152 Resp: 2045  
Ion Ratio Lower Upper  
152 100  
150 145.8 123.8 185.6  
115 82.5 52.8 79.2#



#2  
1,4-Dioxane  
Concen: 9.238 ng  
RT: 3.076 min Scan# 27  
Delta R.T. -0.007 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion: 88 Resp: 23403  
Ion Ratio Lower Upper  
88 100  
43 28.9 18.4 27.6#  
58 69.7 49.2 73.8

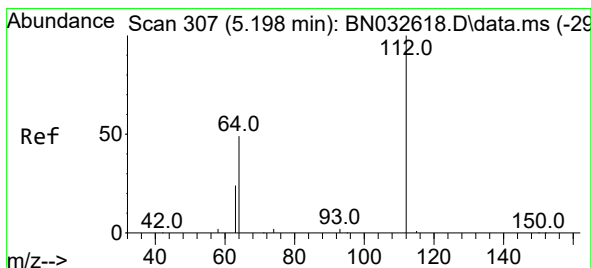
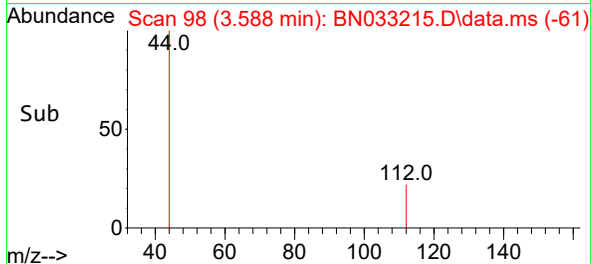
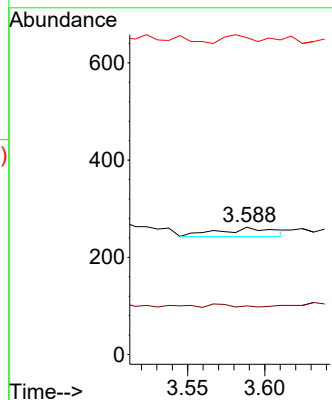
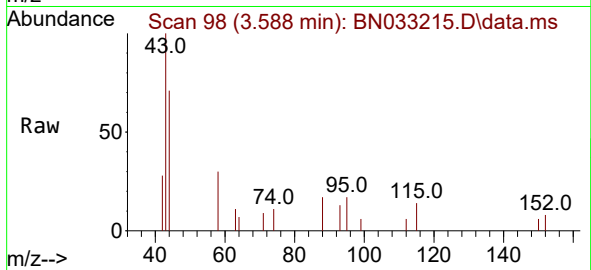




#3  
n-Nitrosodimethylamine  
Concen: 0.021 ng  
RT: 3.588 min Scan# 91  
Delta R.T. 0.116 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

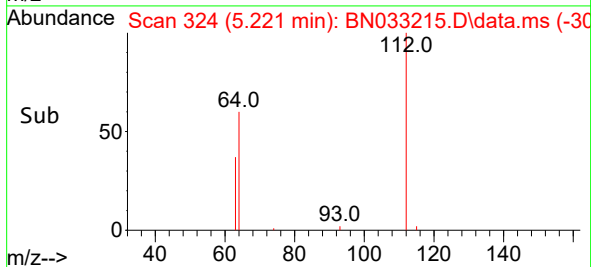
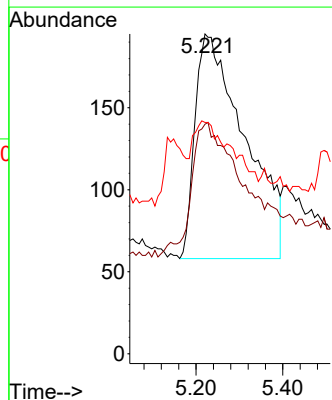
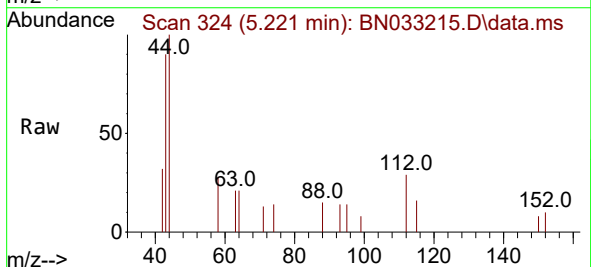
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

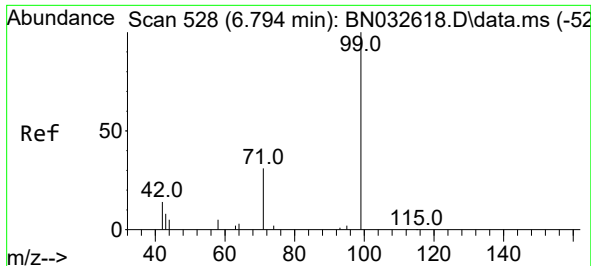
Tgt Ion: 42 Resp: 45  
Ion Ratio Lower Upper  
42 100  
74 0.0 126.9 190.3#  
44 0.0 4.8 7.2#



#4  
2-Fluorophenol  
Concen: 0.211 ng  
RT: 5.221 min Scan# 324  
Delta R.T. -0.022 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion: 112 Resp: 1091  
Ion Ratio Lower Upper  
112 100  
64 59.0 40.2 60.4  
63 18.8 22.2 33.4#

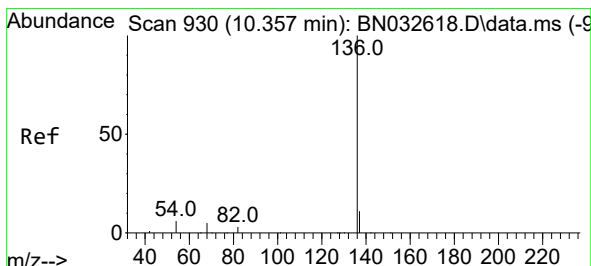
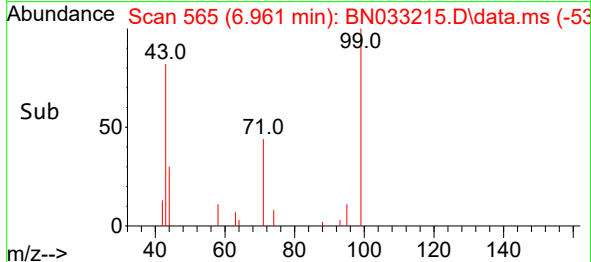
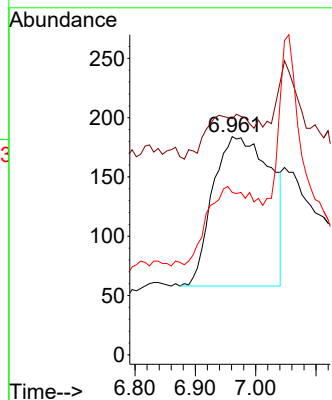
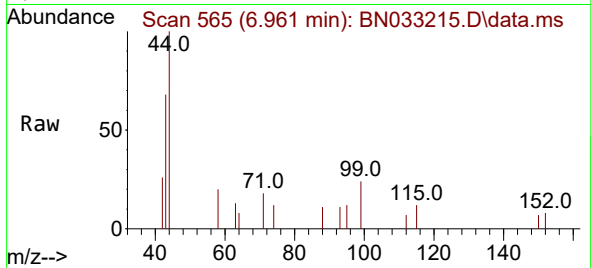




#5  
Phenol-d6  
Concen: 0.131 ng  
RT: 6.961 min Scan# 511  
Delta R.T. 0.080 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

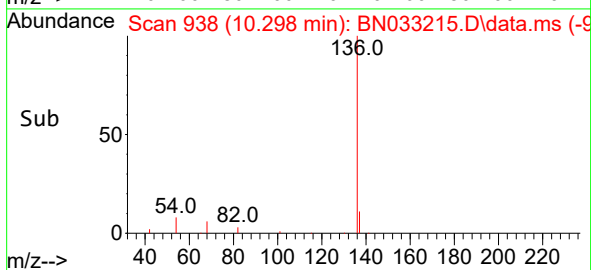
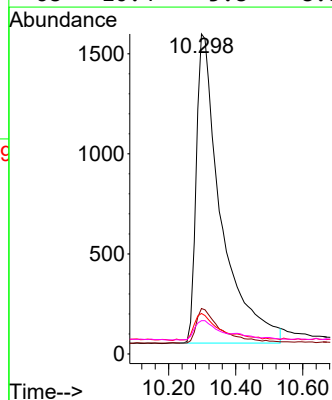
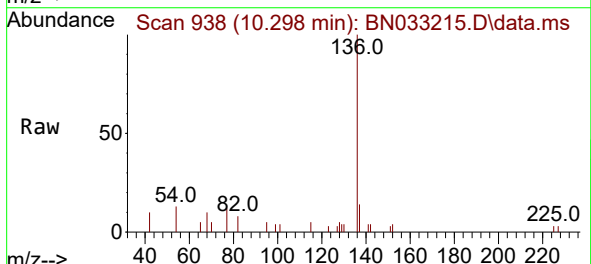
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

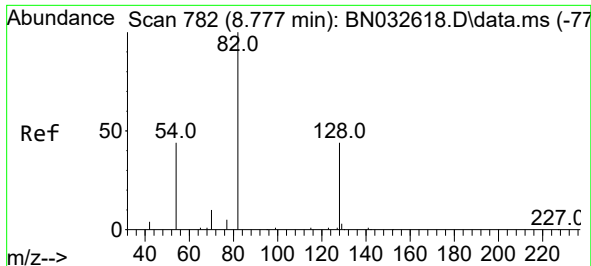
Tgt Ion: 99 Resp: 839  
Ion Ratio Lower Upper  
99 100  
42 0.0 10.5 15.7#  
71 44.7 22.3 33.5#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.298 min Scan# 938  
Delta R.T. 0.011 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion: 136 Resp: 7916  
Ion Ratio Lower Upper  
136 100  
137 14.2 9.9 14.9  
54 12.6 6.5 9.7#  
68 10.4 5.8 8.8#

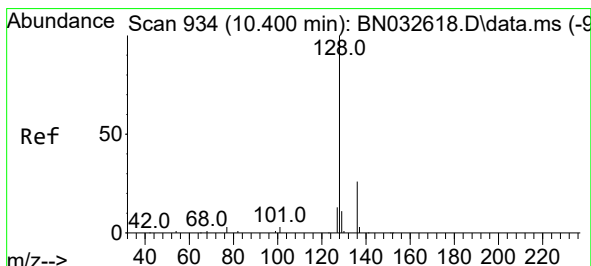
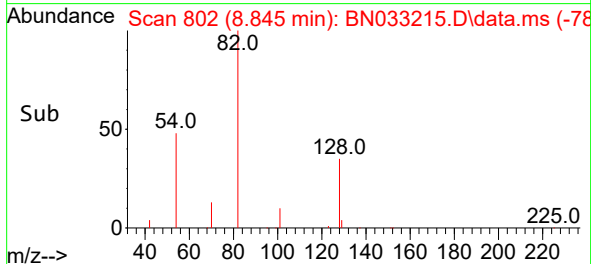
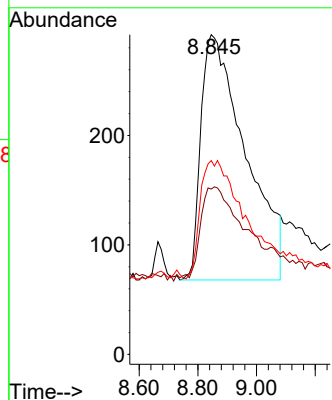
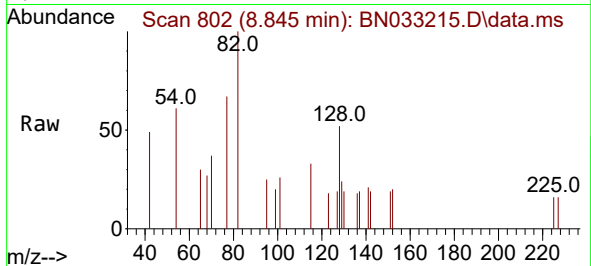




#8  
Nitrobenzene-d5  
Concen: 0.397 ng  
RT: 8.845 min Scan# 80  
Delta R.T. 0.032 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

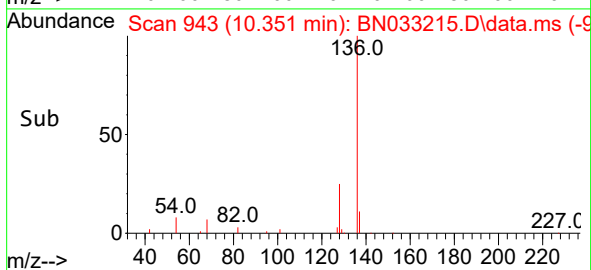
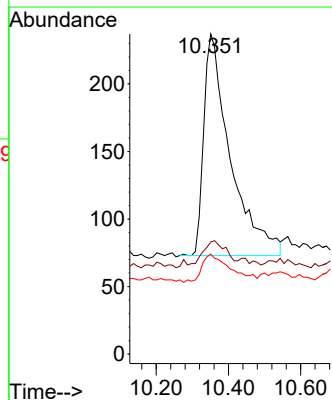
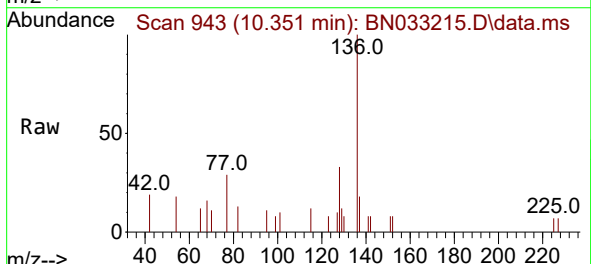
Instrument :  
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ClientSampleId :  
GW-S-864-9-14-073024

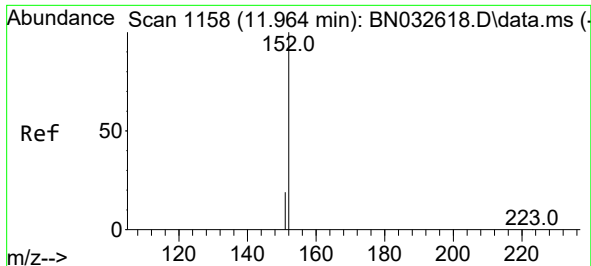
Tgt Ion: 82 Resp: 2365  
Ion Ratio Lower Upper  
82 100  
128 51.7 41.7 62.5  
54 60.6 39.5 59.3#



#9  
Naphthalene  
Concen: 0.038 ng  
RT: 10.351 min Scan# 943  
Delta R.T. 0.011 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion: 128 Resp: 839  
Ion Ratio Lower Upper  
128 100  
129 35.0 9.8 14.8#  
127 31.2 11.5 17.3#

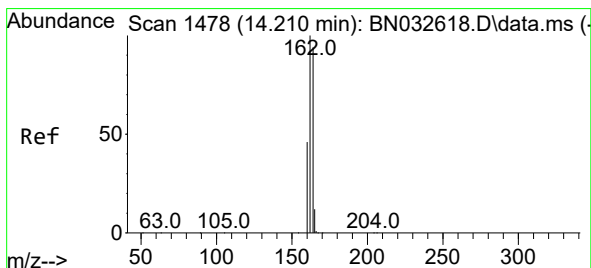
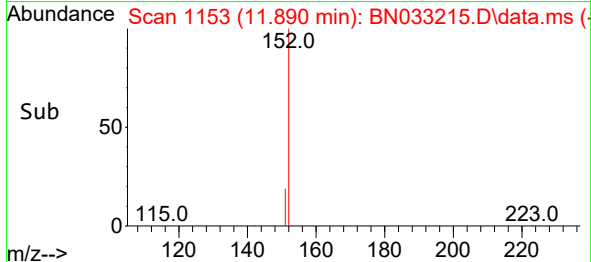
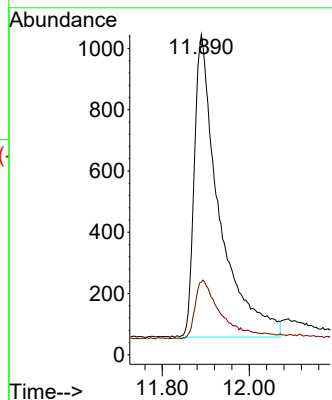
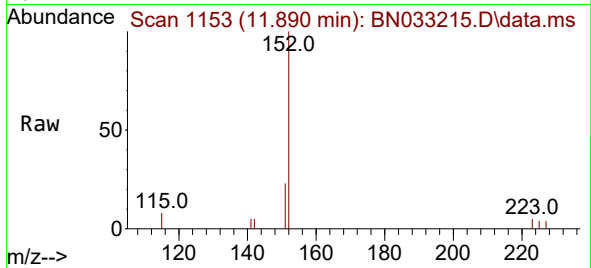




#11  
2-Methylnaphthalene-d10  
Concen: 0.323 ng  
RT: 11.890 min Scan# 1153  
Delta R.T. -0.011 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

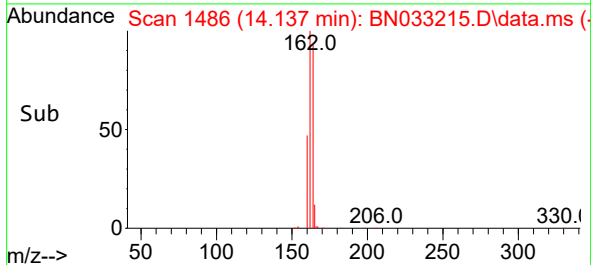
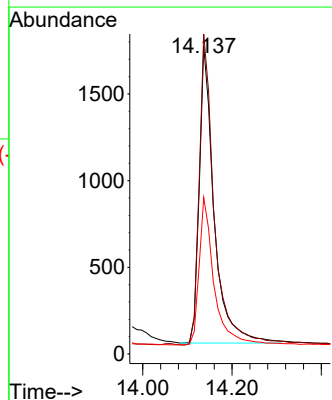
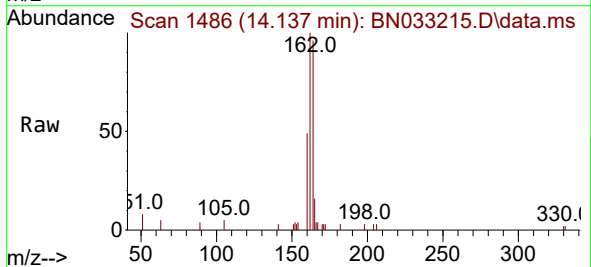
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

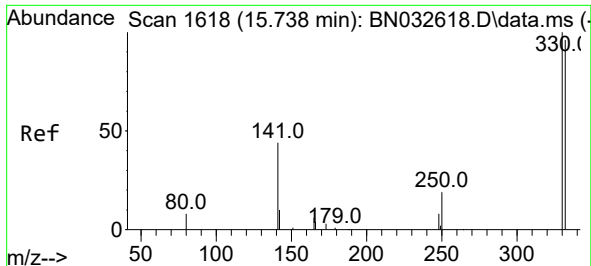
Tgt Ion:152 Resp: 3908  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.137 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

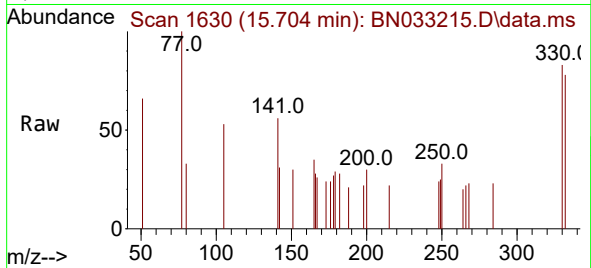
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Ion Ratio Lower Upper  
164 100  
162 103.9 85.0 127.4  
160 50.8 39.4 59.2



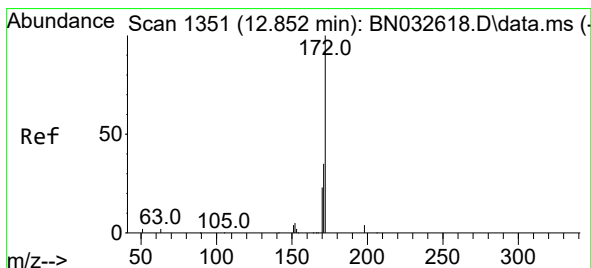
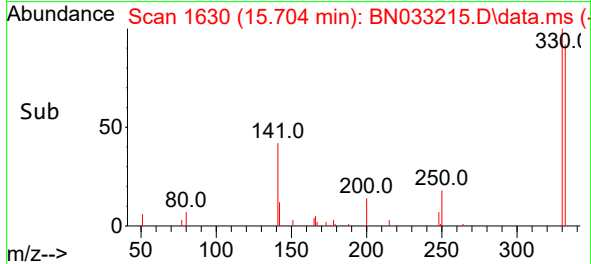
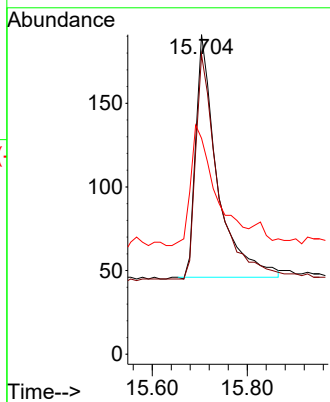


#14  
2,4,6-Tribromophenol  
Concen: 0.269 ng  
RT: 15.704 min Scan# 1630  
Delta R.T. -0.012 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

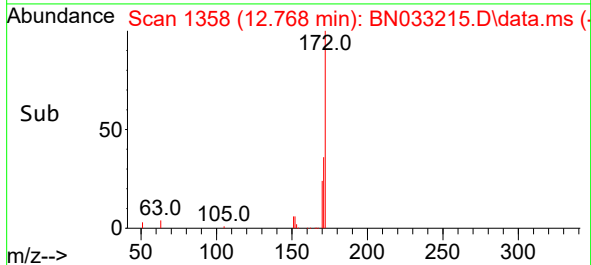
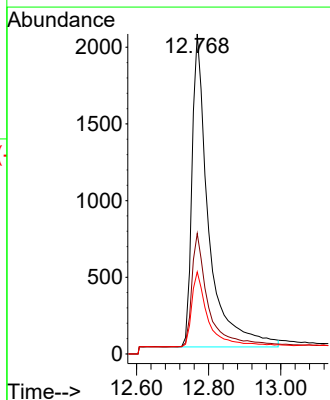
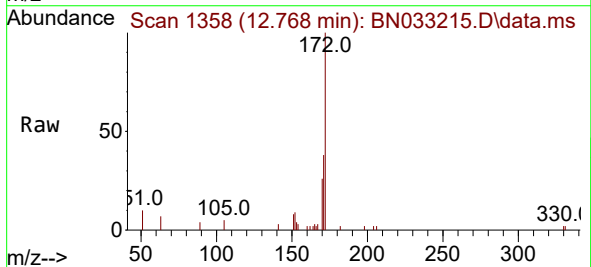


Tgt Ion:330 Resp: 455  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.8 116.8  
141 58.0 34.2 51.2#

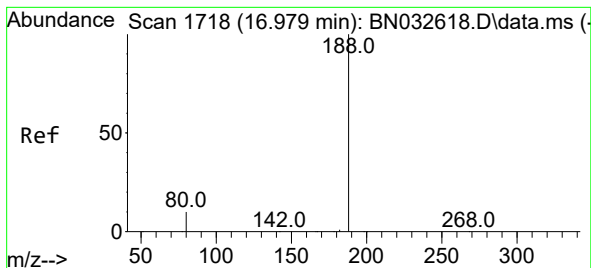


#15  
2-Fluorobiphenyl  
Concen: 0.446 ng  
RT: 12.768 min Scan# 1358  
Delta R.T. -0.021 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion:172 Resp: 6567  
Ion Ratio Lower Upper  
172 100  
171 37.7 28.6 43.0  
170 25.6 19.0 28.6







#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.920 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN033215.D

Acq: 02 Aug 2024 23:25

Instrument :

BNA\_N

ClientSampleId :

GW-S-864-9-14-073024

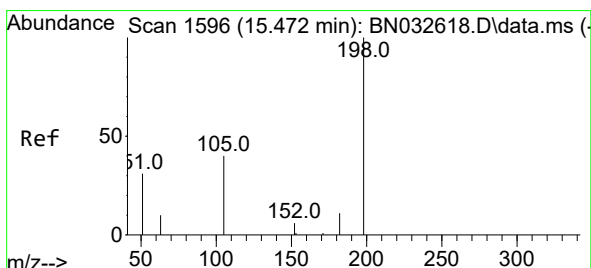
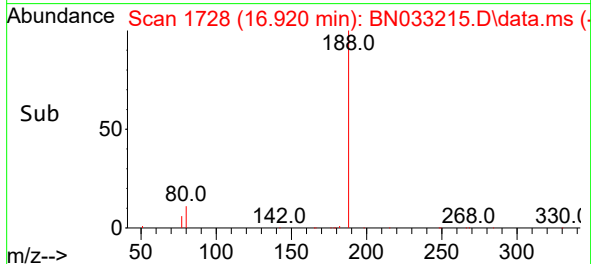
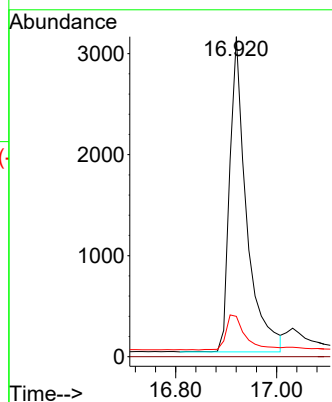
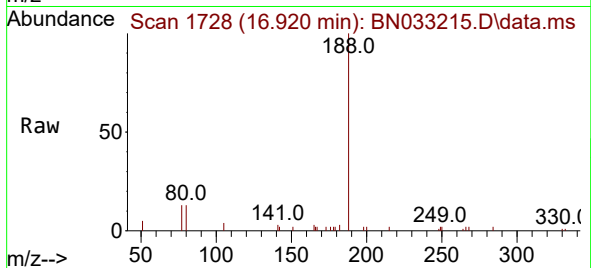
Tgt Ion:188 Resp: 7205

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.6 8.8 13.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.365 ng

RT: 15.592 min Scan# 1621

Delta R.T. 0.037 min

Lab File: BN033215.D

Acq: 02 Aug 2024 23:25

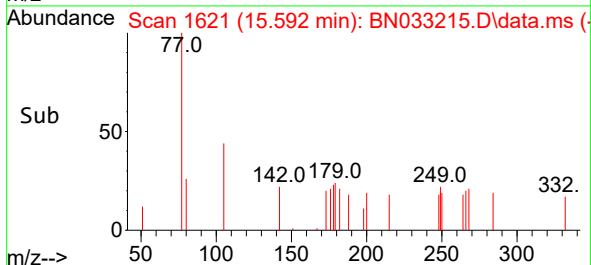
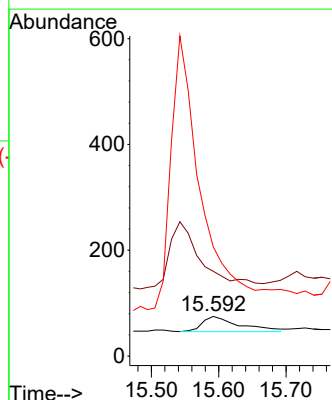
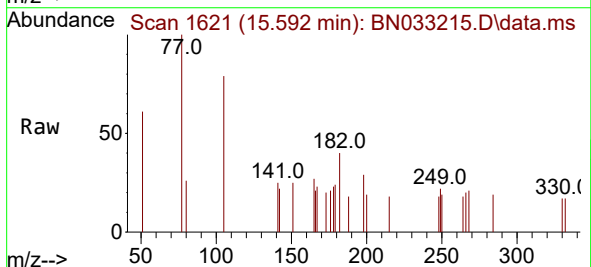
Tgt Ion:198 Resp: 112

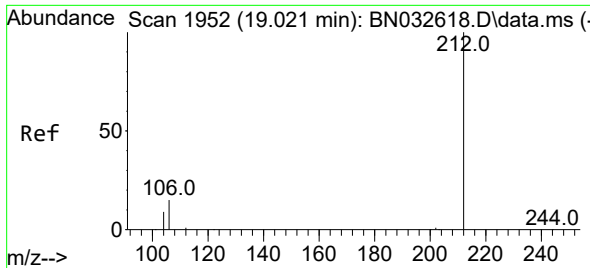
Ion Ratio Lower Upper

198 100

51 213.3 105.7 158.5#

105 274.7 63.0 94.6#

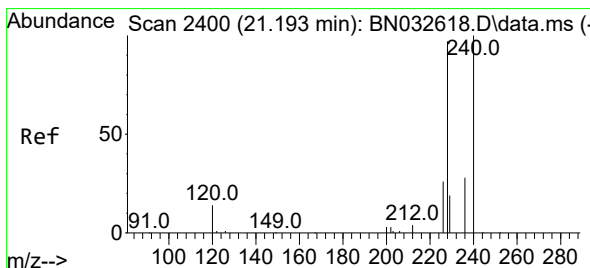
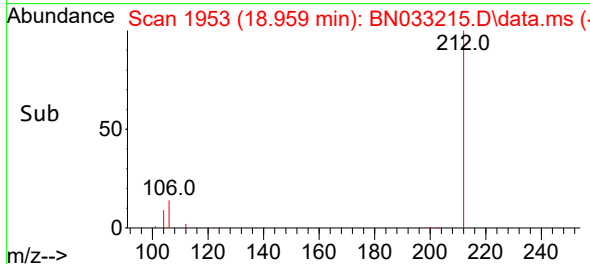
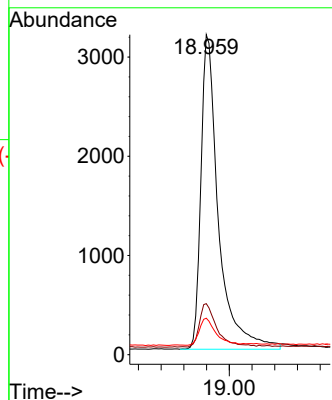
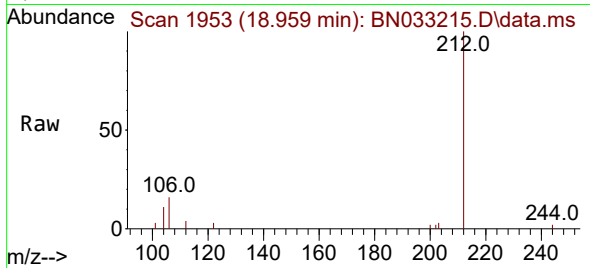




#27  
Fluoranthene-d10  
Concen: 0.364 ng  
RT: 18.959 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

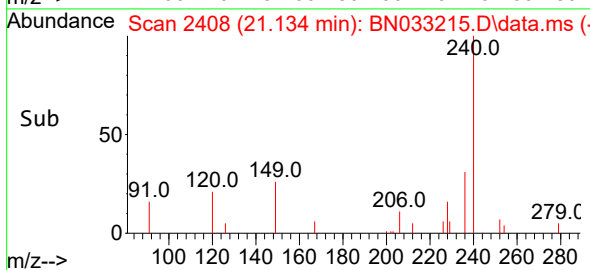
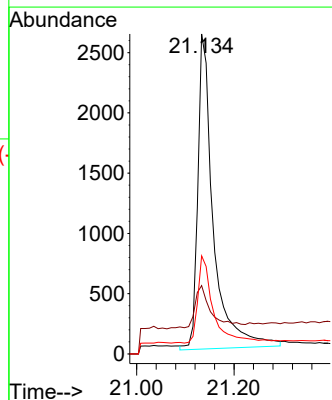
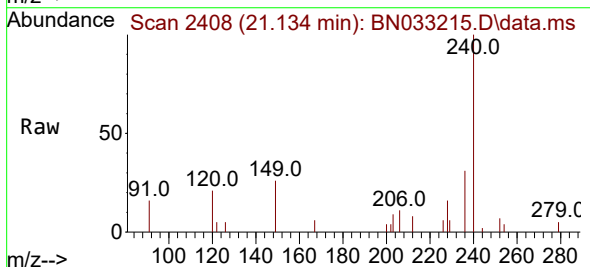
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

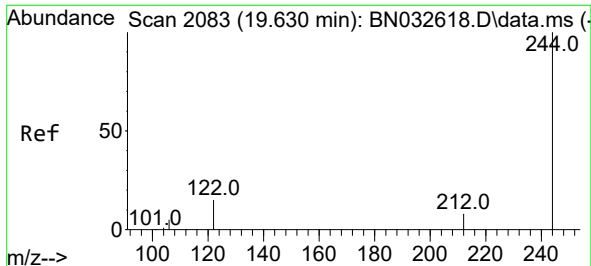
Tgt Ion:212 Resp: 6787  
Ion Ratio Lower Upper  
212 100  
106 13.6 11.9 17.9  
104 8.1 6.9 10.3



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.134 min Scan# 2408  
Delta R.T. 0.000 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion:240 Resp: 5794  
Ion Ratio Lower Upper  
240 100  
120 21.3 14.8 22.2  
236 30.7 23.3 34.9

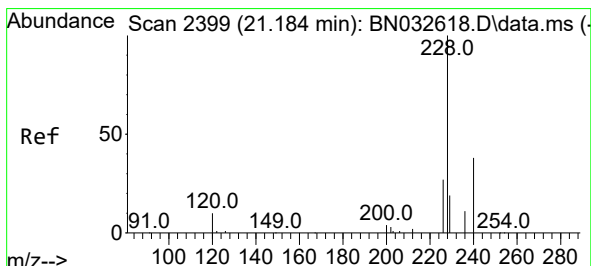
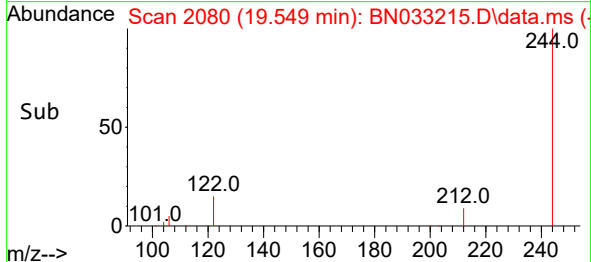
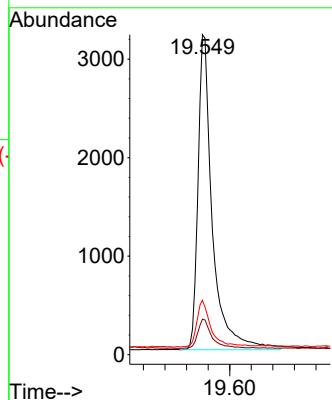
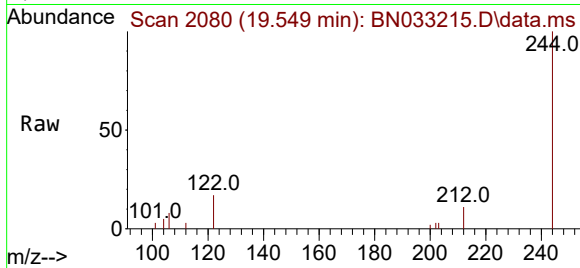




#31  
 Terphenyl-d14  
 Concen: 0.499 ng  
 RT: 19.549 min Scan# 2080  
 Delta R.T. -0.014 min  
 Lab File: BN033215.D  
 Acq: 02 Aug 2024 23:25

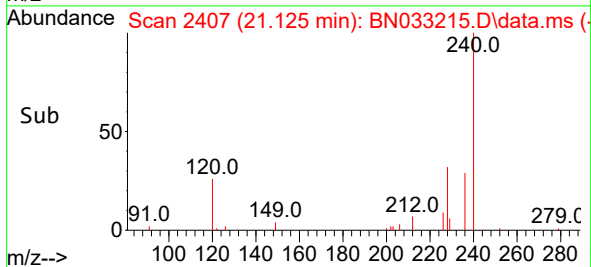
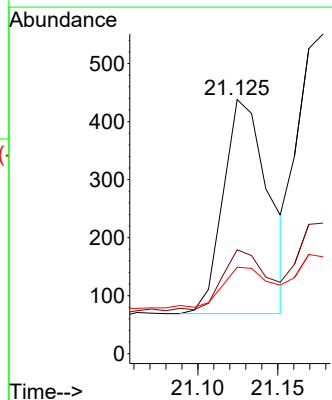
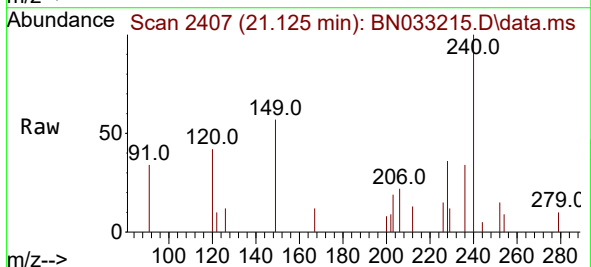
Instrument :  
 BNA\_N  
 ClientSampleId :  
 GW-S-864-9-14-073024

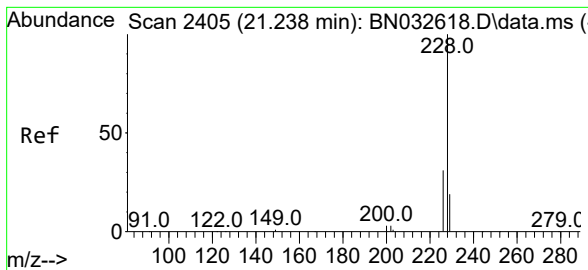
Tgt Ion:244 Resp: 5923  
 Ion Ratio Lower Upper  
 244 100  
 212 11.1 7.5 11.3  
 122 17.0 12.6 19.0



#32  
 Benzo(a)anthracene  
 Concen: 0.040 ng  
 RT: 21.125 min Scan# 2407  
 Delta R.T. 0.000 min  
 Lab File: BN033215.D  
 Acq: 02 Aug 2024 23:25

Tgt Ion:228 Resp: 726  
 Ion Ratio Lower Upper  
 228 100  
 226 40.9 21.8 32.6#  
 229 34.0 16.0 24.0#





#33

Chrysene

Concen: 0.051 ng

RT: 21.178 min Scan# 2413

Delta R.T. 0.009 min

Lab File: BN033215.D

Acq: 02 Aug 2024 23:25

Instrument :

BNA\_N

ClientSampleId :

GW-S-864-9-14-073024

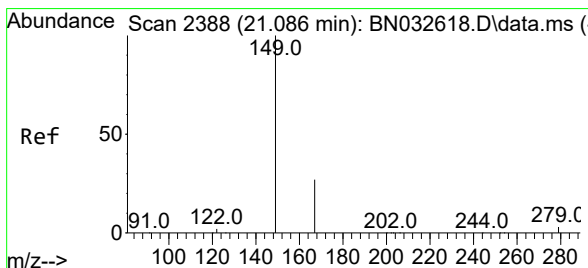
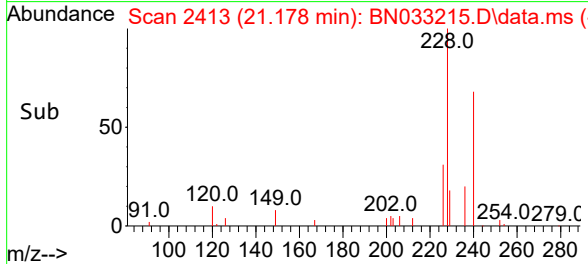
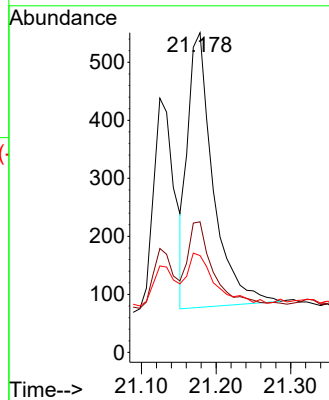
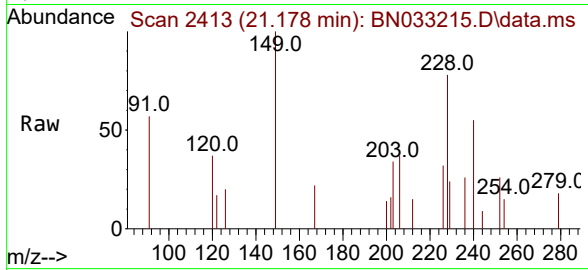
Tgt Ion:228 Resp: 1118

Ion Ratio Lower Upper

228 100

226 40.8 24.2 36.2#

229 30.3 16.0 24.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.160 ng

RT: 21.008 min Scan# 2394

Delta R.T. 0.000 min

Lab File: BN033215.D

Acq: 02 Aug 2024 23:25

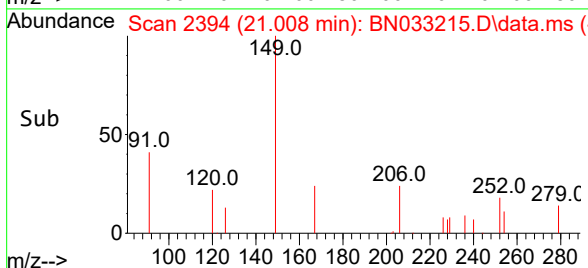
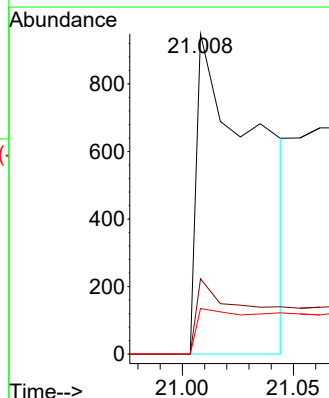
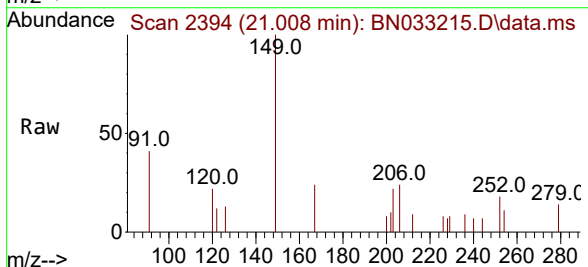
Tgt Ion:149 Resp: 1625

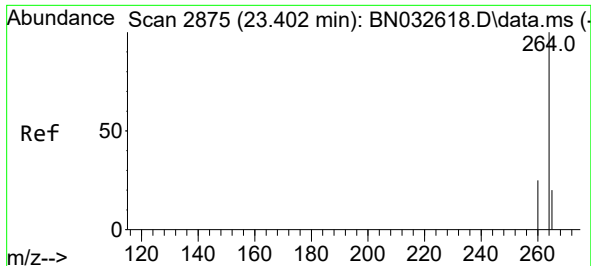
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.2

279 9.4 2.8 4.2#

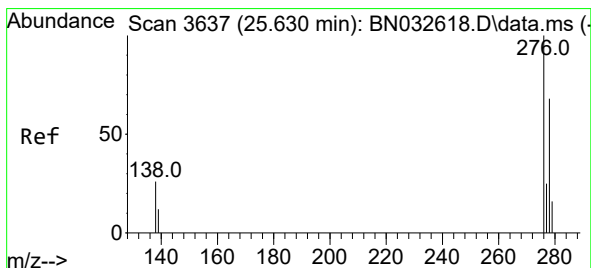
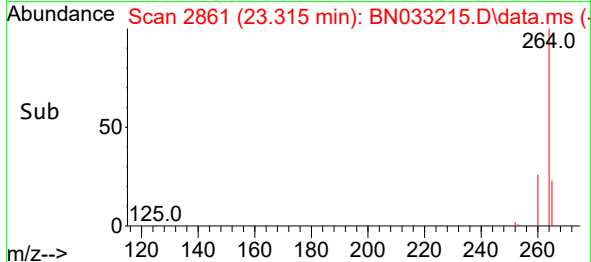
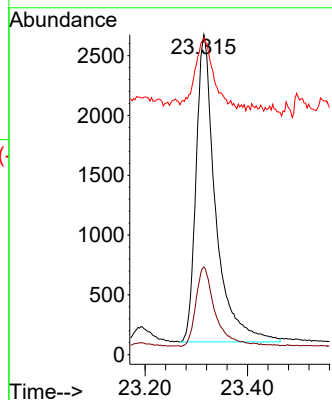
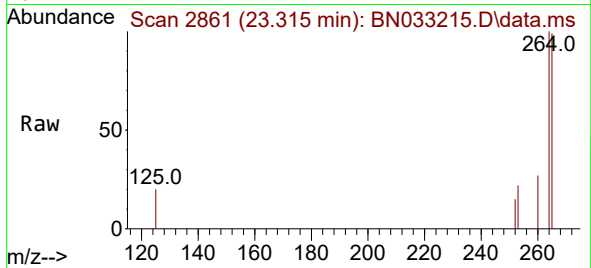




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.315 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN033215.D  
 Acq: 02 Aug 2024 23:25

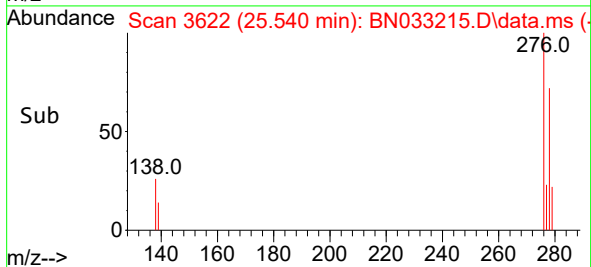
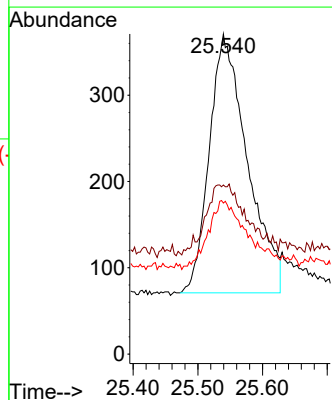
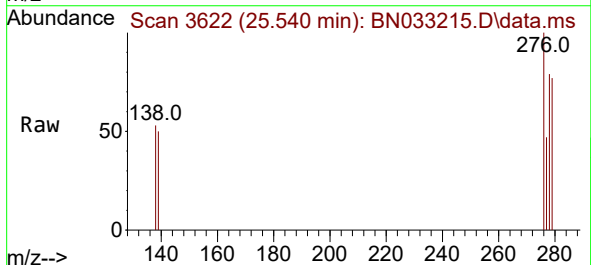
Instrument :  
 BNA\_N  
 ClientSampleId :  
 GW-S-864-9-14-073024

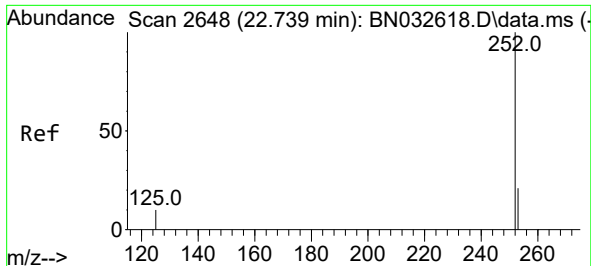
Tgt Ion:264 Resp: 6807  
 Ion Ratio Lower Upper  
 264 100  
 260 27.4 20.9 31.3  
 265 99.0 85.4 128.2



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.046 ng  
 RT: 25.540 min Scan# 3622  
 Delta R.T. 0.032 min  
 Lab File: BN033215.D  
 Acq: 02 Aug 2024 23:25

Tgt Ion:276 Resp: 1227  
 Ion Ratio Lower Upper  
 276 100  
 138 20.0 21.0 31.4#  
 277 24.1 19.5 29.3

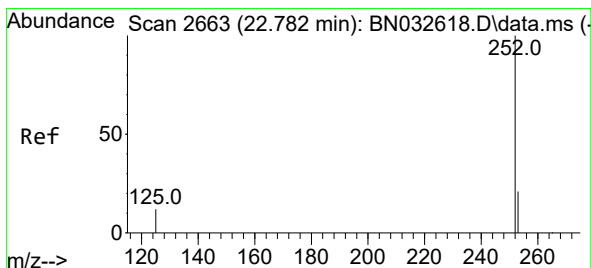
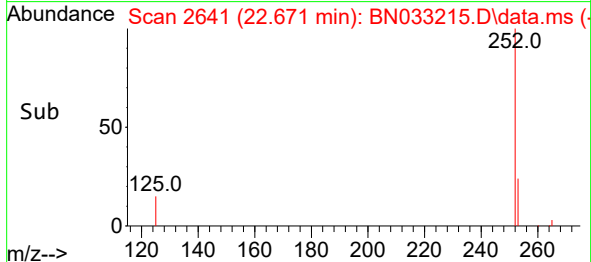
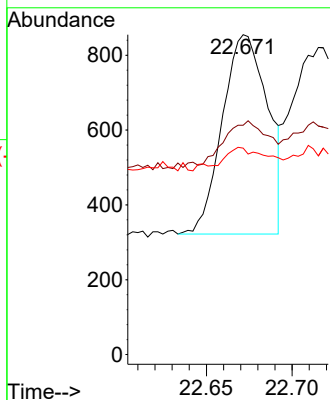
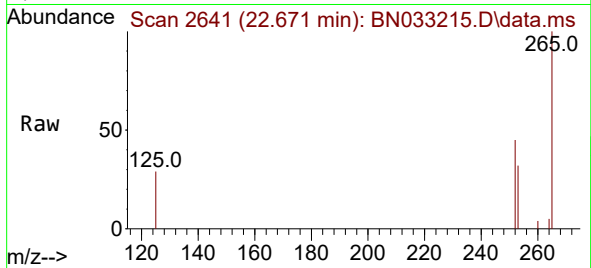




#37  
Benzo(b)fluoranthene  
Concen: 0.042 ng  
RT: 22.671 min Scan# 2641  
Delta R.T. 0.012 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

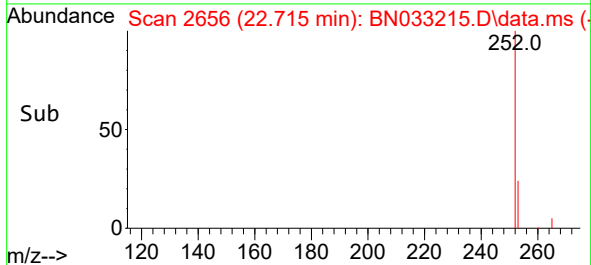
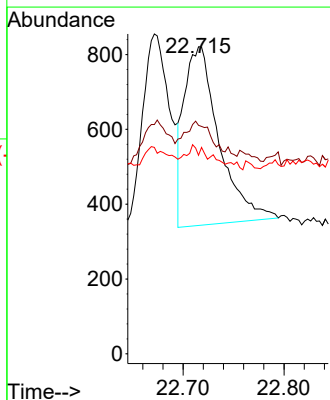
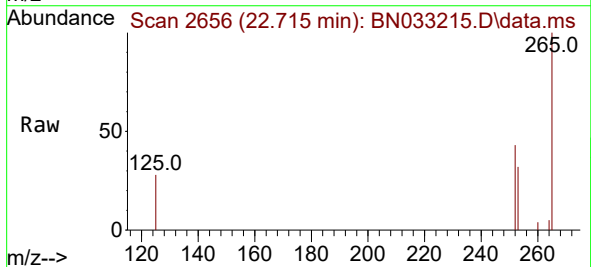
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

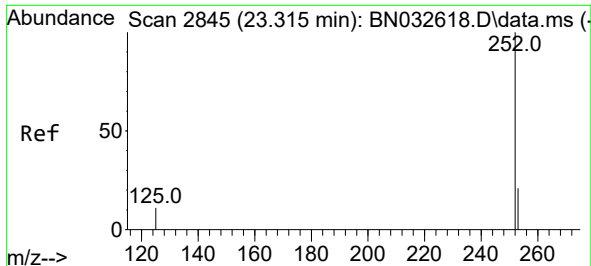
Tgt Ion:252 Resp: 984  
Ion Ratio Lower Upper  
252 100  
253 71.7 22.3 33.5#  
125 64.6 15.4 23.2#



#38  
Benzo(k)fluoranthene  
Concen: 0.042 ng  
RT: 22.715 min Scan# 2656  
Delta R.T. 0.012 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion:252 Resp: 1147  
Ion Ratio Lower Upper  
252 100  
253 74.4 22.6 34.0#  
125 64.7 16.2 24.4#

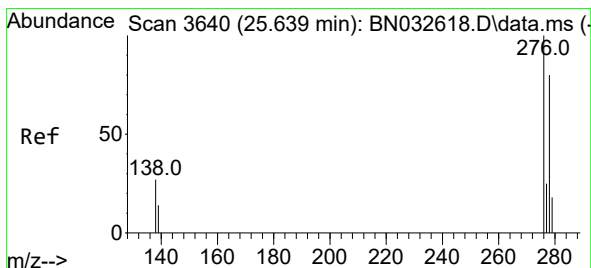
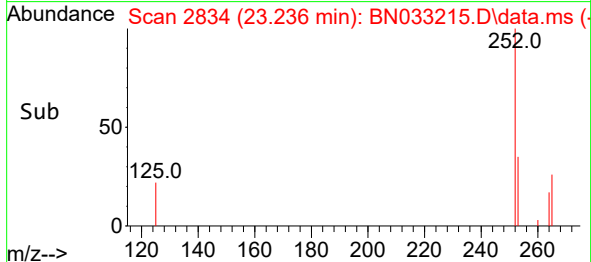
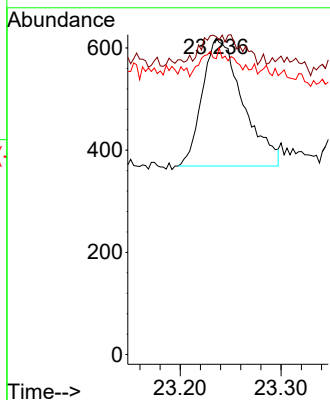
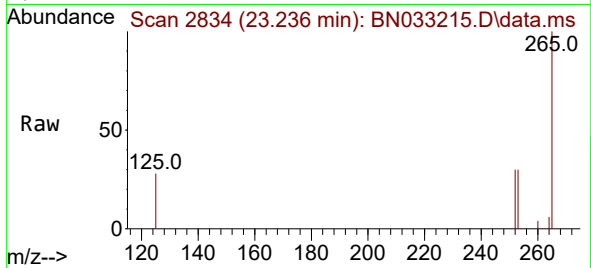




#39  
Benzo(a)pyrene  
Concen: 0.033 ng  
RT: 23.236 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

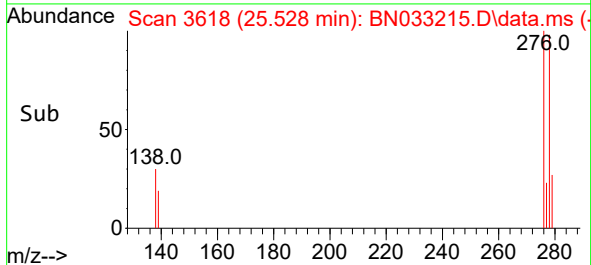
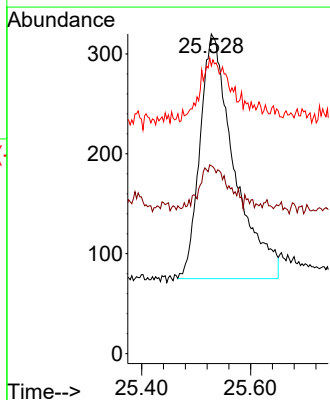
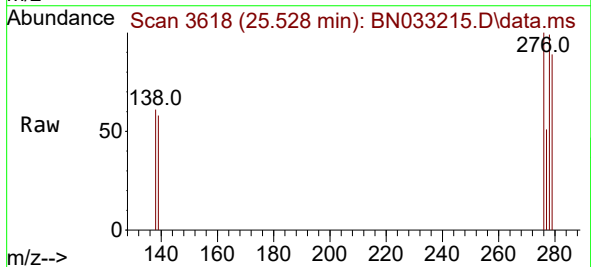
Instrument :  
BNA\_N  
ClientSampleId :  
GW-S-864-9-14-073024

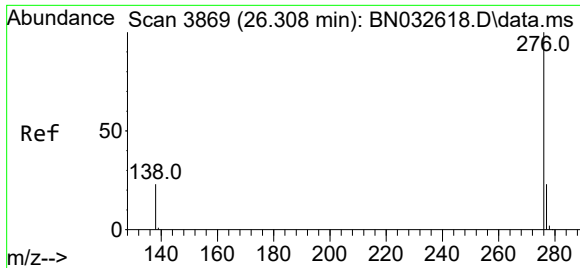
Tgt Ion:252 Resp: 699  
Ion Ratio Lower Upper  
252 100  
253 100.5 25.8 38.8#  
125 93.5 21.4 32.2#



#40  
Dibenzo(a,h)anthracene  
Concen: 0.051 ng  
RT: 25.528 min Scan# 3618  
Delta R.T. 0.021 min  
Lab File: BN033215.D  
Acq: 02 Aug 2024 23:25

Tgt Ion:278 Resp: 1073  
Ion Ratio Lower Upper  
278 100  
139 58.7 16.7 25.1#  
279 90.0 24.3 36.5#





#41

Benzo(g,h,i)perylene

Concen: 0.045 ng

RT: 26.209 min Scan# 3851

Delta R.T. 0.032 min

Lab File: BN033215.D

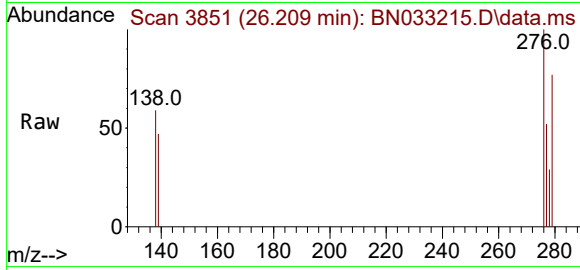
Acq: 02 Aug 2024 23:25

Instrument :

BNA\_N

ClientSampleId :

GW-S-864-9-14-073024



Tgt Ion:276 Resp: 1060

Ion Ratio Lower Upper

276 100

277 51.6 20.2 30.2#

138 58.7 20.5 30.7#

