

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082523\  
 Data File : BN027116.D  
 Acq On : 25 Aug 2023 12:22  
 Operator : MA/JU  
 Sample : 04024-16  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20230815

Quant Time: Aug 26 02:16:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 26 02:13:59 2023  
 Response via : Initial Calibration

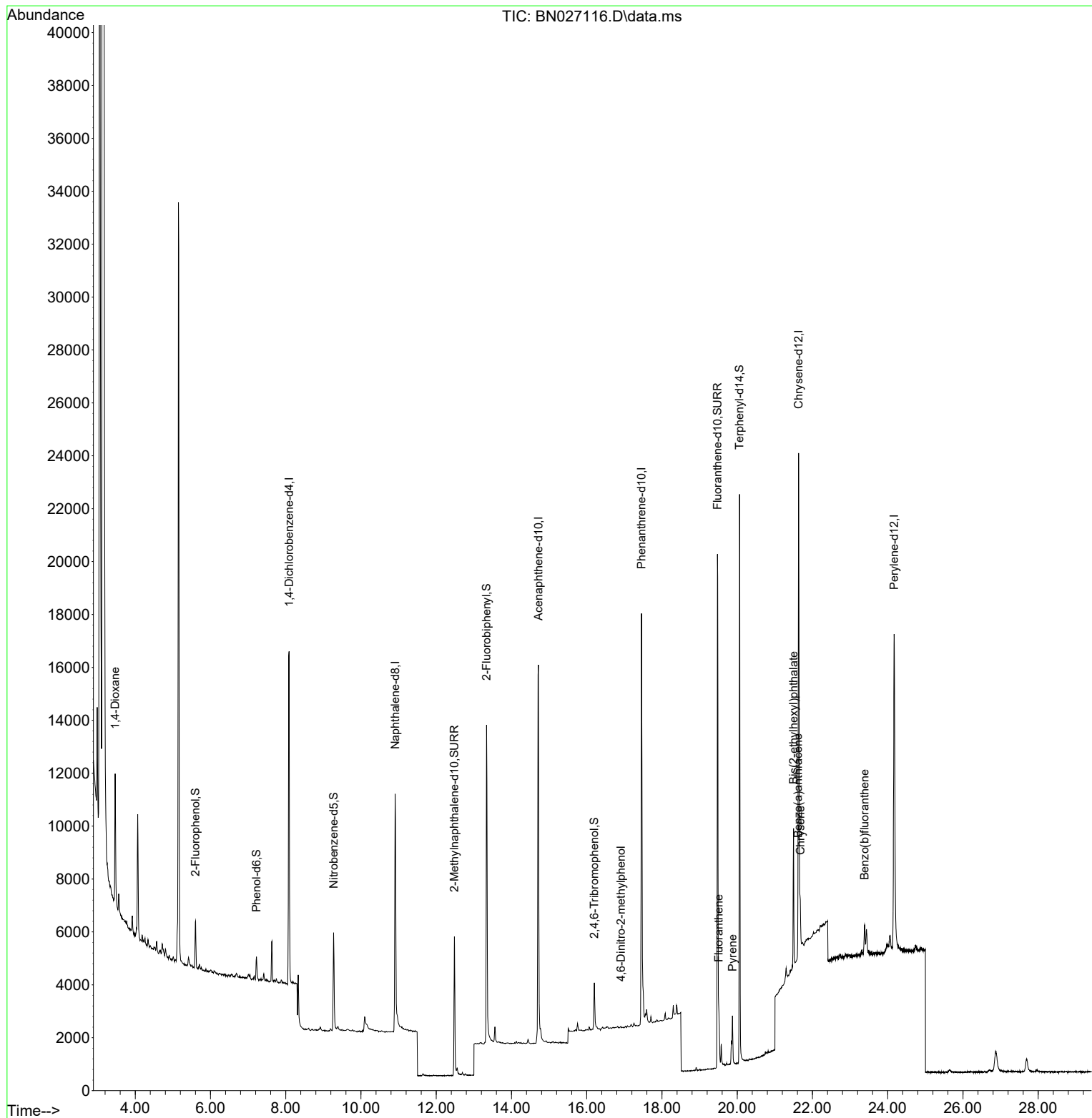
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.088  | 152  | 6520     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.906 | 136  | 14929    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.715 | 164  | 10087    | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.455 | 188  | 22973    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.632 | 240  | 19690    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.171 | 264  | 20214    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.603  | 112  | 1518     | 0.083 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.221  | 99   | 967      | 0.043 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.272  | 82   | 3331     | 0.264 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.483 | 152  | 7757     | 0.327 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.201 | 330  | 1177     | 0.219 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.336 | 172  | 12009    | 0.321 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.476 | 212  | 22513    | 0.382 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.062 | 244  | 20827    | 0.506 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.465  | 88   | 3511     | 0.501 | ng    | # 91     |
| 20) 4,6-Dinitro-2-methylph... | 16.909 | 198  | 8        | 0.022 | ng    | # 1      |
| 28) Fluoranthene              | 19.509 | 202  | 1749     | 0.022 | ng    | # 40     |
| 30) Pyrene                    | 19.871 | 202  | 1625     | 0.021 | ng    | # 95     |
| 32) Benzo(a)anthracene        | 21.614 | 228  | 1429     | 0.020 | ng    | # 85     |
| 33) Chrysene                  | 21.677 | 228  | 1552     | 0.022 | ng    | # 91     |
| 34) Bis(2-ethylhexyl)phtha... | 21.497 | 149  | 5051     | 0.099 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.384 | 252  | 1647     | 0.024 | ng    | # 2      |
| -----                         |        |      |          |       |       |          |

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

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ALS Vial : 5 Sample Multiplier: 1

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TT14911-20230815

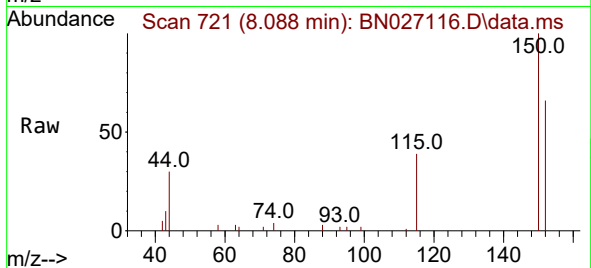
Quant Time: Aug 26 02:16:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Aug 26 02:13:59 2023  
Response via : Initial Calibration



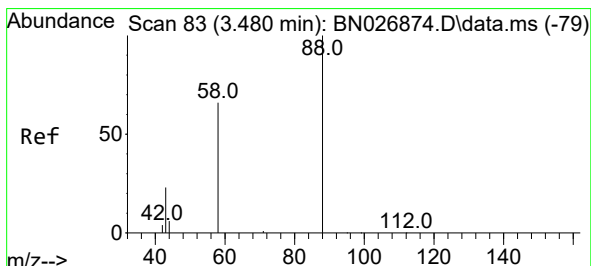
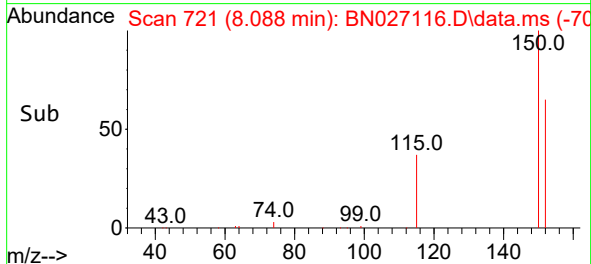
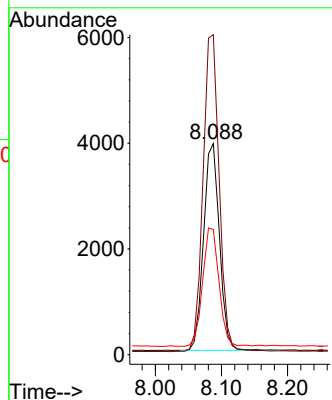


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.088 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

Instrument :  
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ClientSampleId :  
TT14911-20230815

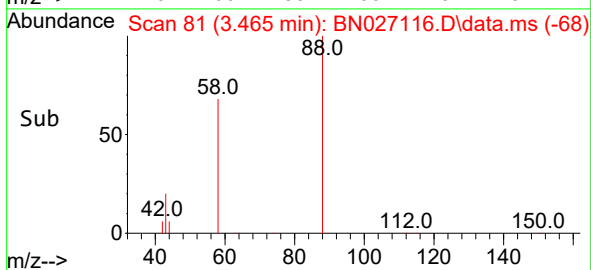
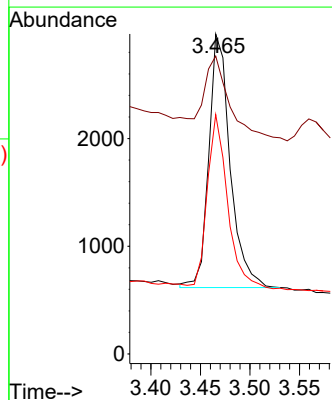
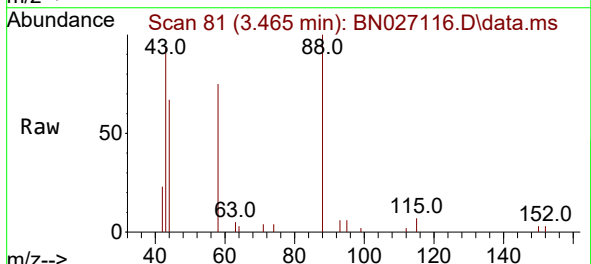


Tgt Ion:152 Resp: 6520  
Ion Ratio Lower Upper  
152 100  
150 151.7 123.8 185.6  
115 59.3 49.7 74.5



#2  
1,4-Dioxane  
Concen: 0.501 ng  
RT: 3.465 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

Tgt Ion: 88 Resp: 3511  
Ion Ratio Lower Upper  
88 100  
43 36.2 19.2 28.8#  
58 65.8 54.5 81.7

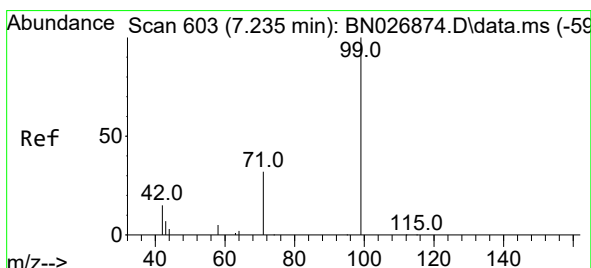
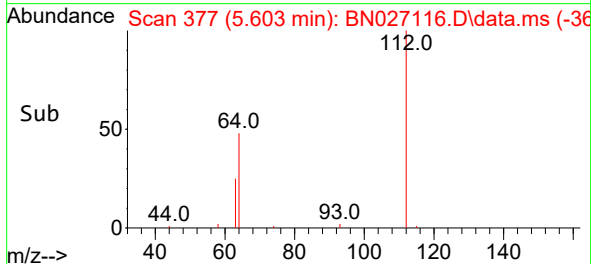
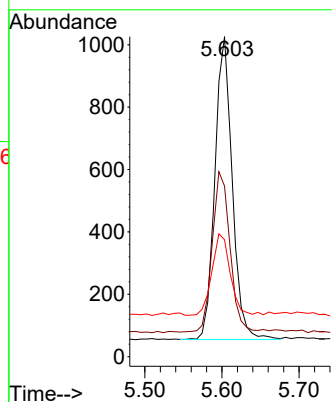
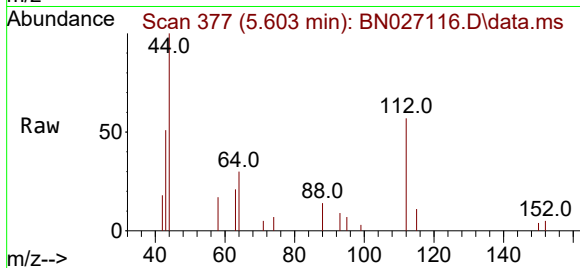




#4  
2-Fluorophenol  
Concen: 0.083 ng  
RT: 5.603 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

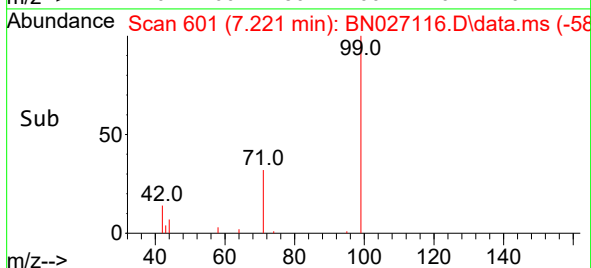
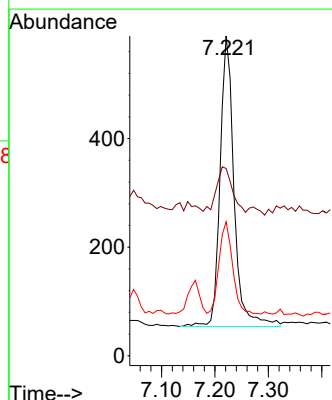
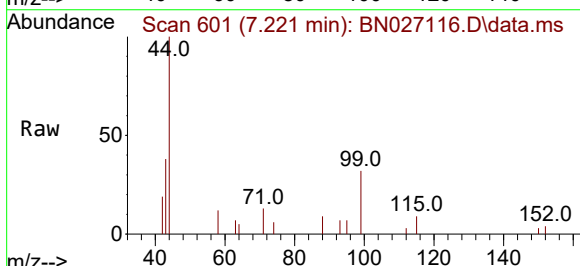
Instrument :  
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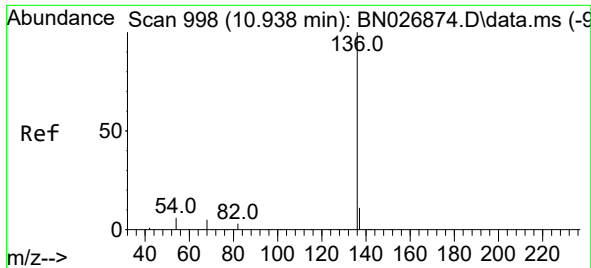
Tgt Ion:112 Resp: 1518  
Ion Ratio Lower Upper  
112 100  
64 53.7 41.5 62.3  
63 28.3 21.7 32.5



#5  
Phenol-d6  
Concen: 0.043 ng  
RT: 7.221 min Scan# 601  
Delta R.T. -0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

Tgt Ion: 99 Resp: 967  
Ion Ratio Lower Upper  
99 100  
42 17.3 13.6 20.4  
71 30.6 26.0 39.0

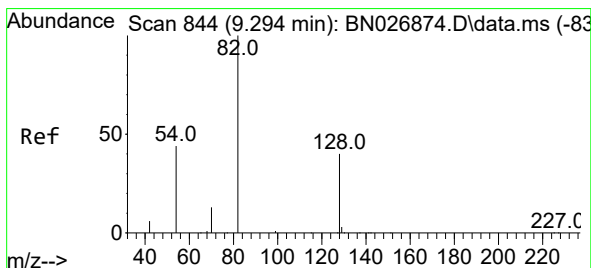
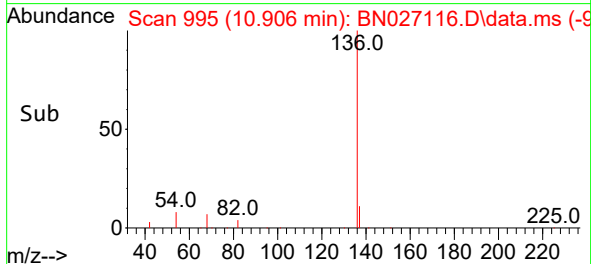
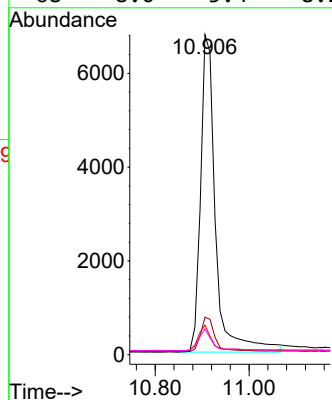
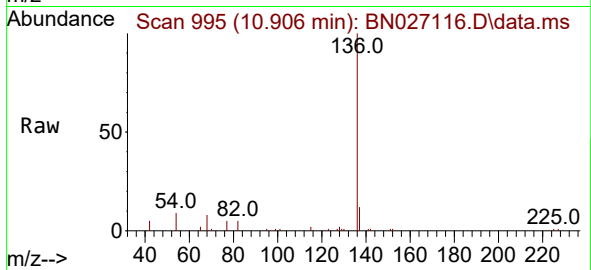




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.906 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

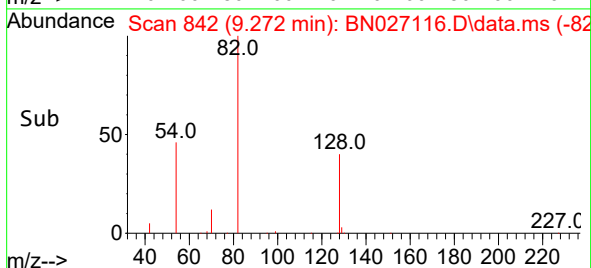
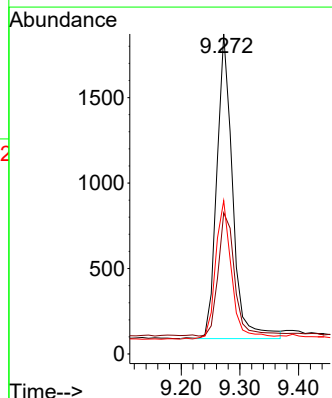
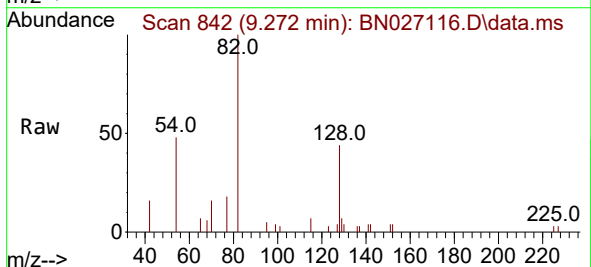
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 14929 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.7  | 9.0   | 13.6  |
| 54        | 9.2   | 5.5   | 8.3#  |
| 68        | 8.0   | 5.4   | 8.2   |



#8  
Nitrobenzene-d5  
Concen: 0.264 ng  
RT: 9.272 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3331 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 44.1  | 34.1  | 51.1 |
| 54        | 47.9  | 37.0  | 55.4 |





#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

RT: 12.483 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

Instrument :

BNA\_N

ClientSampleId :

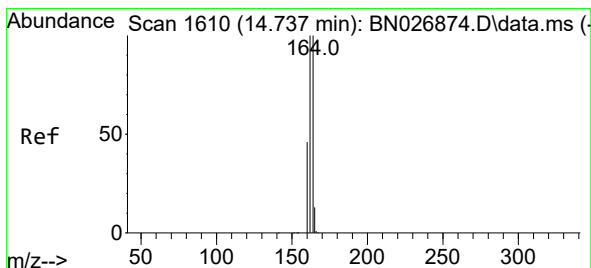
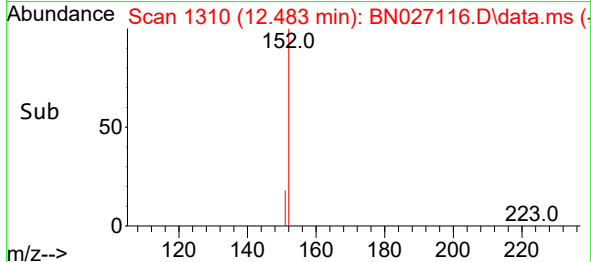
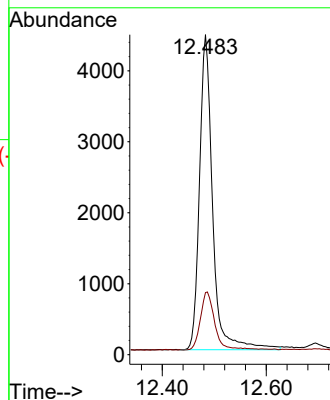
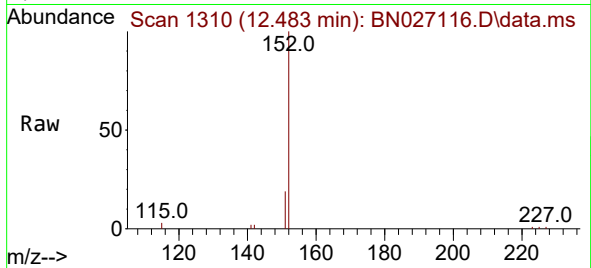
TT14911-20230815

Tgt Ion:152 Resp: 7757

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.715 min Scan# 1608

Delta R.T. 0.011 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

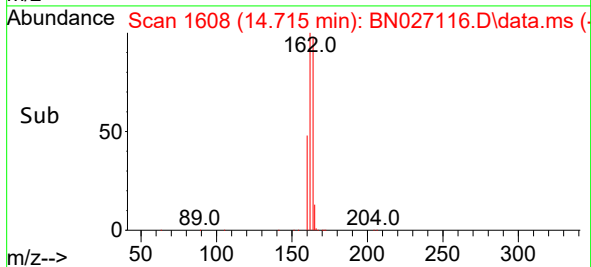
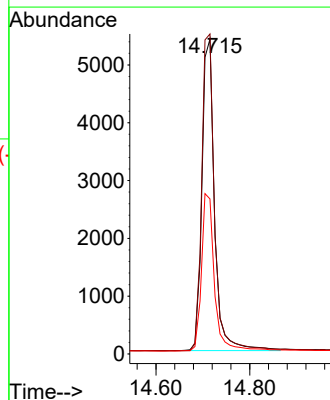
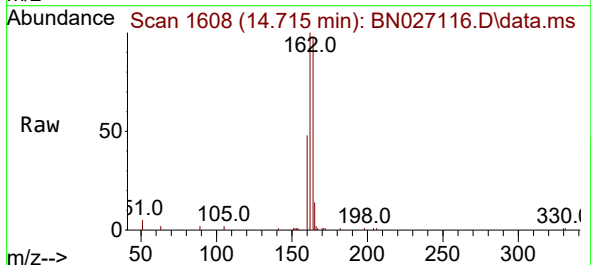
Tgt Ion:164 Resp: 10087

Ion Ratio Lower Upper

164 100

162 101.6 79.7 119.5

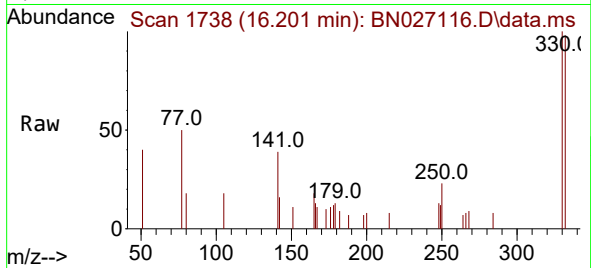
160 49.2 37.4 56.0



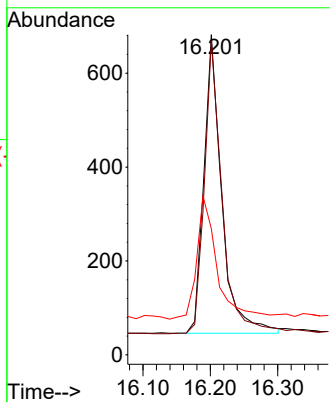
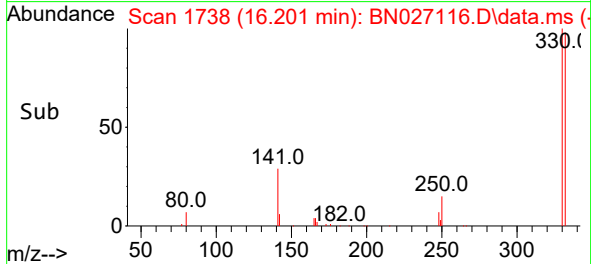


#14  
2,4,6-Tribromophenol  
Concen: 0.219 ng  
RT: 16.201 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

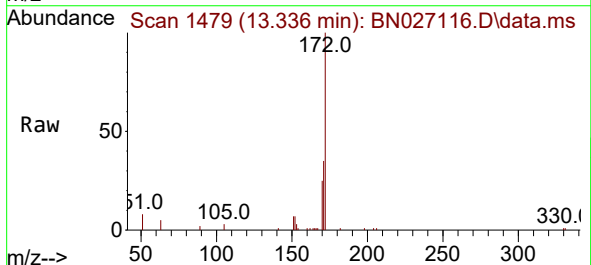
Instrument :  
BNA\_N  
ClientSampleId :  
TT14911-20230815



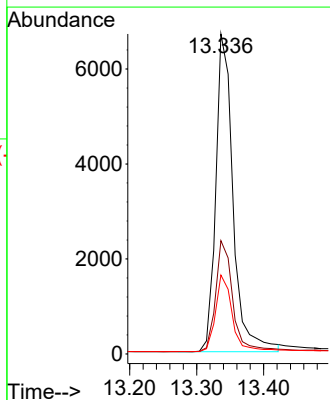
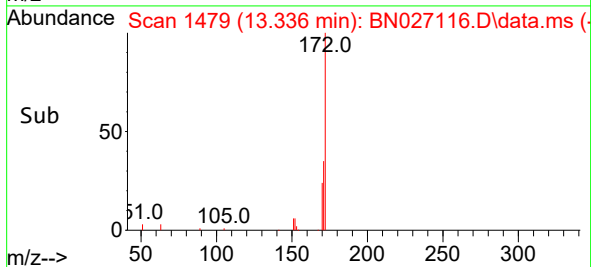
Tgt Ion:330 Resp: 1177  
Ion Ratio Lower Upper  
330 100  
332 97.5 76.6 114.8  
141 47.5 32.3 48.5

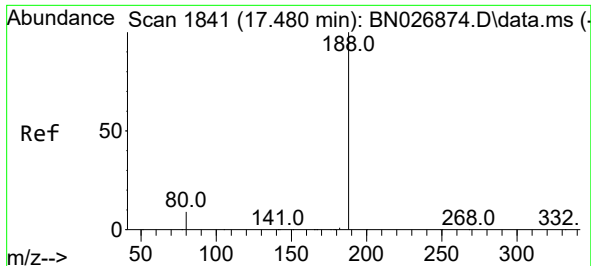


#15  
2-Fluorobiphenyl  
Concen: 0.321 ng  
RT: 13.336 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22



Tgt Ion:172 Resp: 12009  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.4 41.0  
170 24.6 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815

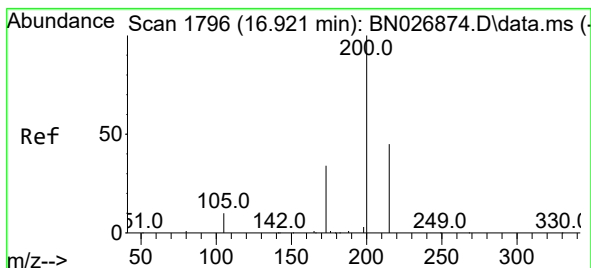
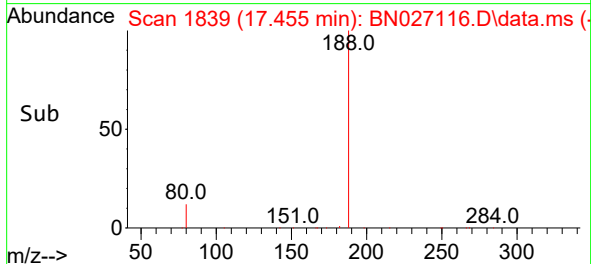
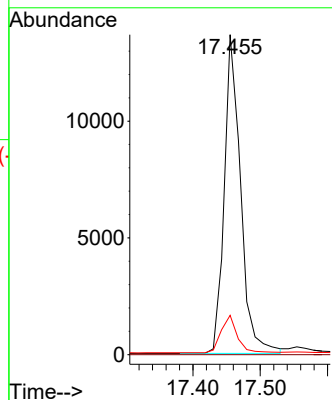
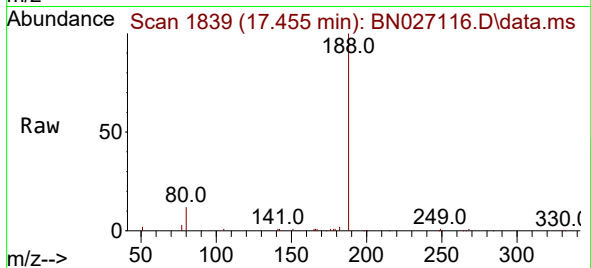
Tgt Ion:188 Resp: 22973

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 7.4 11.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.022 ng

RT: 16.909 min Scan# 1795

Delta R.T. -0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

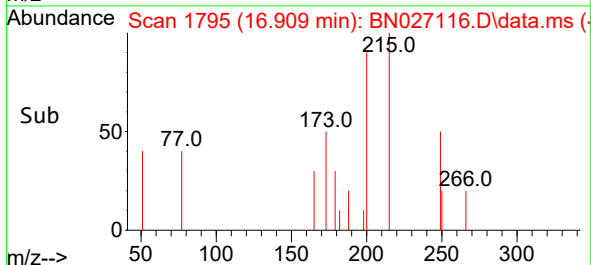
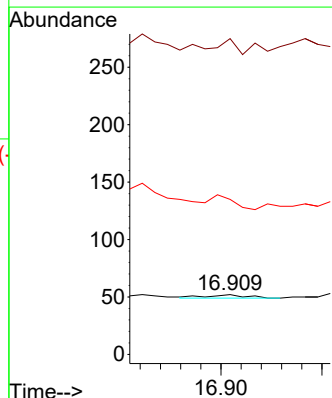
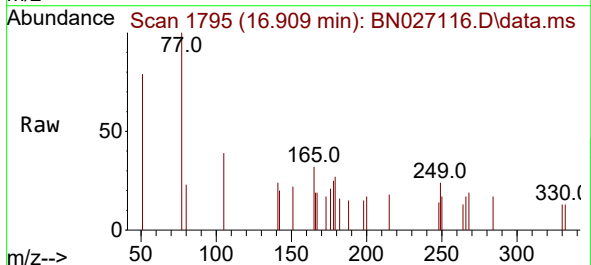
Tgt Ion:198 Resp: 8

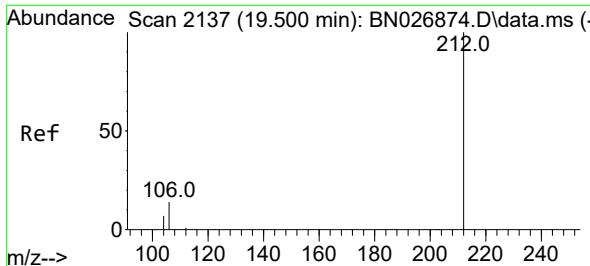
Ion Ratio Lower Upper

198 100

51 528.8 143.8 215.8#

105 259.6 273.5 410.3#

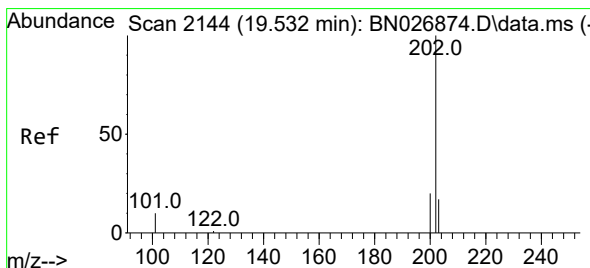
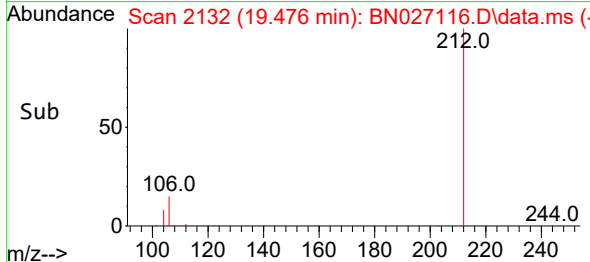
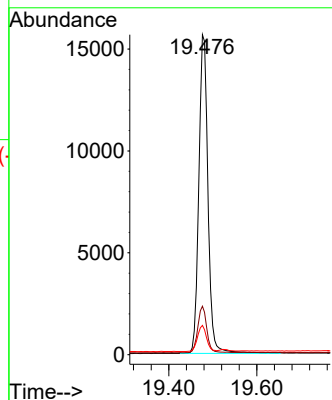
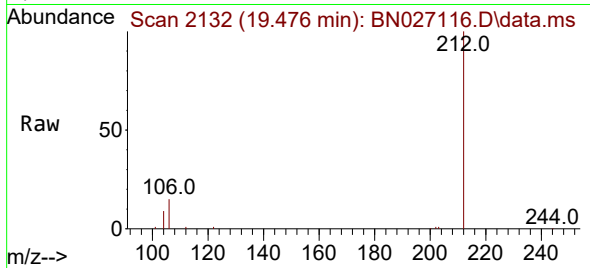




#27  
Fluoranthene-d10  
Concen: 0.382 ng  
RT: 19.476 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

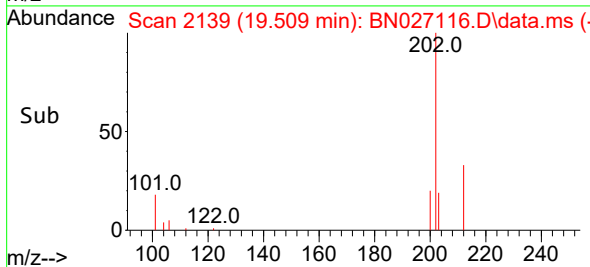
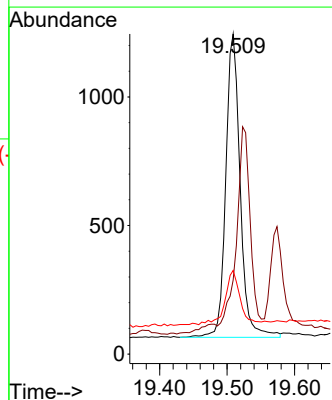
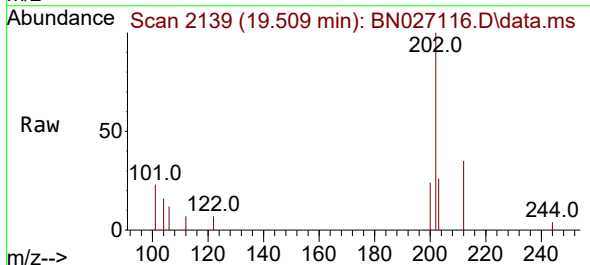
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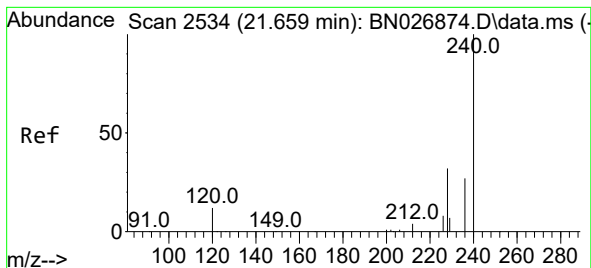
Tgt Ion:212 Resp: 22513  
Ion Ratio Lower Upper  
212 100  
106 14.3 10.9 16.3  
104 8.0 5.9 8.9



#28  
Fluoranthene  
Concen: 0.022 ng  
RT: 19.509 min Scan# 2139  
Delta R.T. -0.000 min  
Lab File: BN027116.D  
Acq: 25 Aug 2023 12:22

Tgt Ion:202 Resp: 1749  
Ion Ratio Lower Upper  
202 100  
101 65.6 8.9 13.3#  
203 19.5 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.632 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815

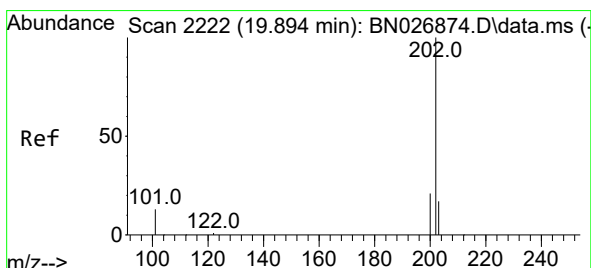
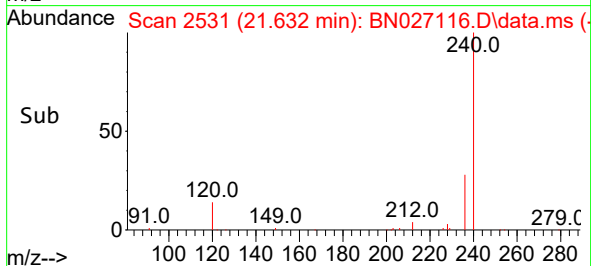
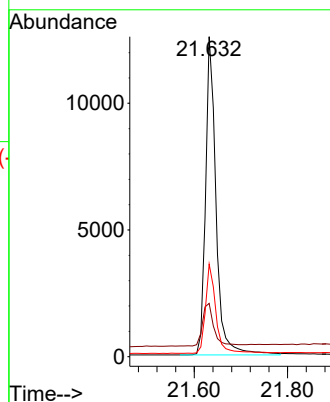
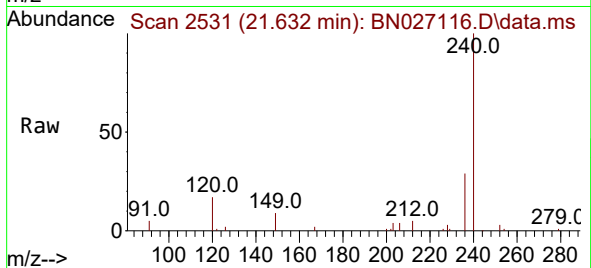
Tgt Ion:240 Resp: 19690

Ion Ratio Lower Upper

240 100

120 16.7 11.1 16.7

236 29.0 22.2 33.2



#30

Pyrene

Concen: 0.021 ng

RT: 19.871 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

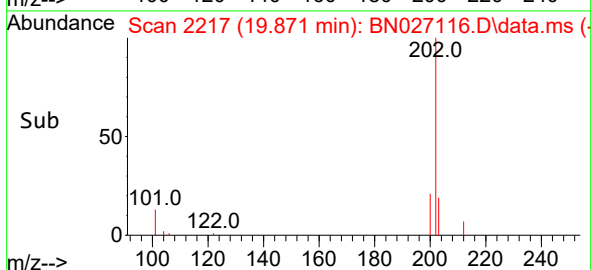
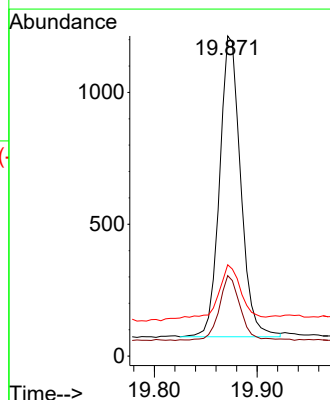
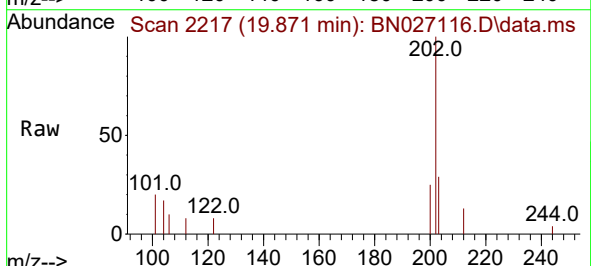
Tgt Ion:202 Resp: 1625

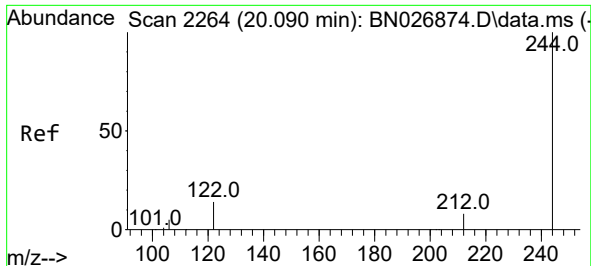
Ion Ratio Lower Upper

202 100

200 21.8 16.6 25.0

203 22.0 14.4 21.6#

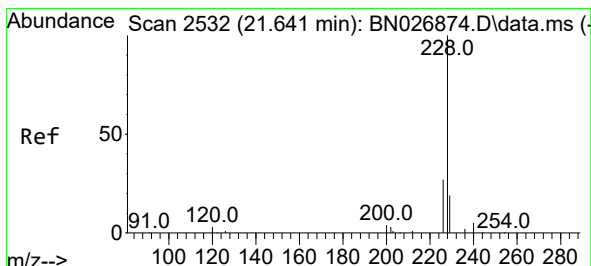
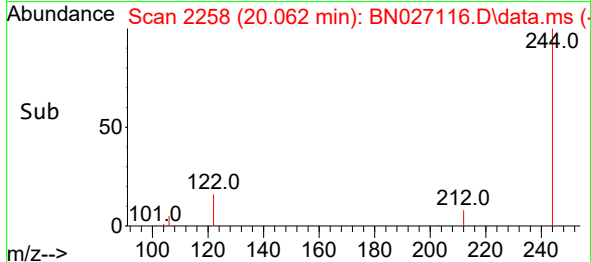
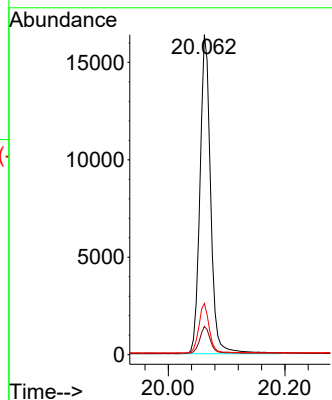
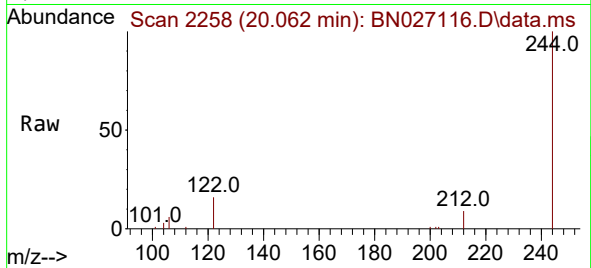




#31  
 Terphenyl-d14  
 Concen: 0.506 ng  
 RT: 20.062 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN027116.D  
 Acq: 25 Aug 2023 12:22

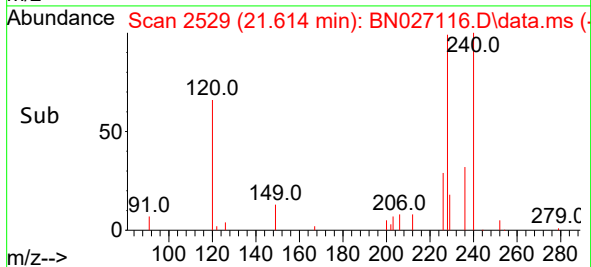
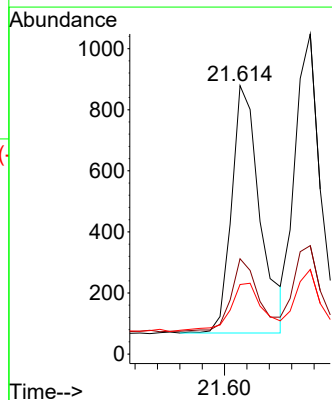
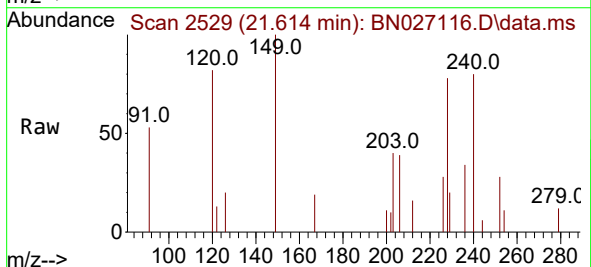
Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT14911-20230815

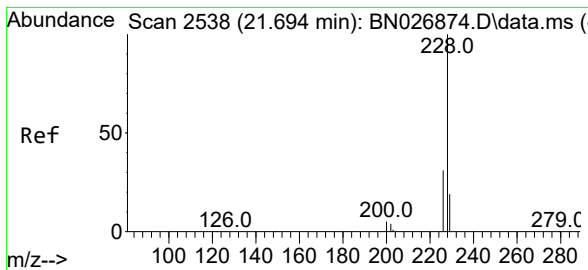
Tgt Ion:244 Resp: 20827  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 6.9 10.3  
 122 16.0 11.9 17.9



#32  
 Benzo(a)anthracene  
 Concen: 0.020 ng  
 RT: 21.614 min Scan# 2529  
 Delta R.T. -0.000 min  
 Lab File: BN027116.D  
 Acq: 25 Aug 2023 12:22

Tgt Ion:228 Resp: 1429  
 Ion Ratio Lower Upper  
 228 100  
 226 35.5 22.1 33.1#  
 229 25.9 15.5 23.3#





#33

Chrysene

Concen: 0.022 ng

RT: 21.677 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815

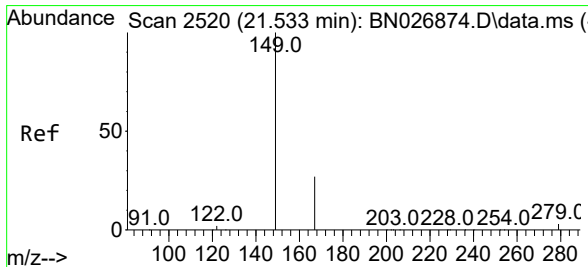
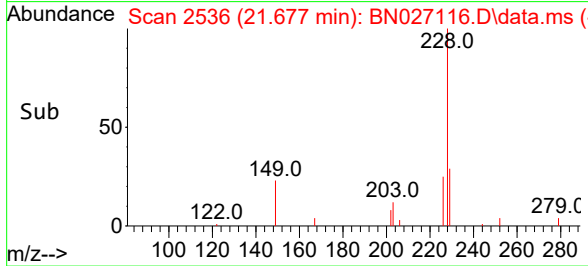
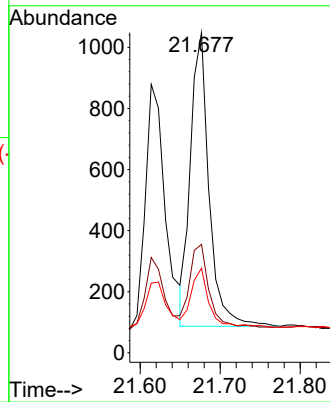
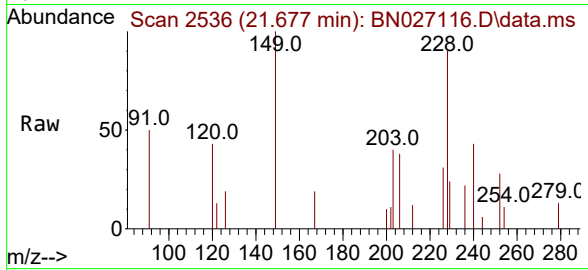
Tgt Ion:228 Resp: 1552

Ion Ratio Lower Upper

228 100

226 33.9 24.6 37.0

229 26.4 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.099 ng

RT: 21.497 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

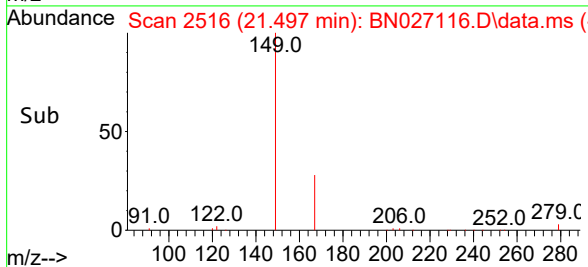
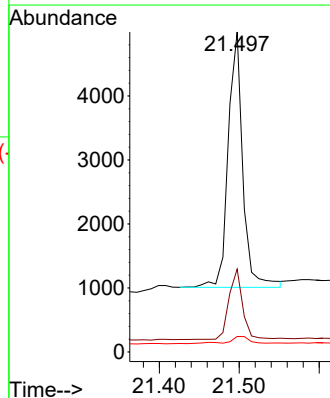
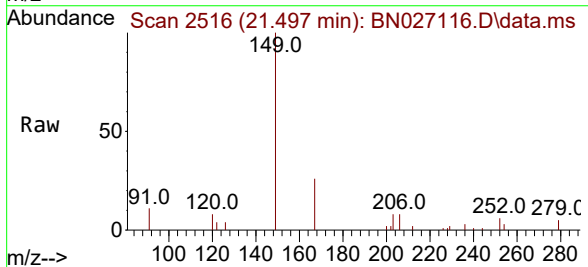
Tgt Ion:149 Resp: 5051

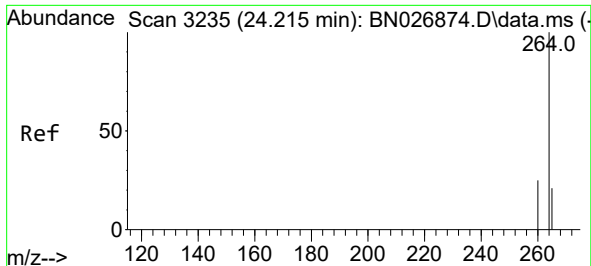
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 3.8 3.6 5.4





#35  
Perylene-d12

Concen: 0.400 ng

RT: 24.171 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN027116.D

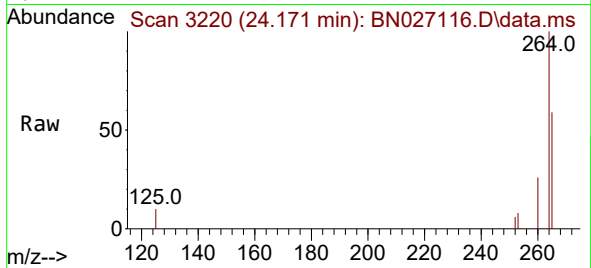
Acq: 25 Aug 2023 12:22

Instrument :

BNA\_N

ClientSampleId :

TT14911-20230815



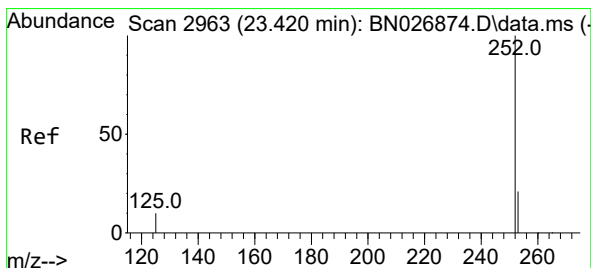
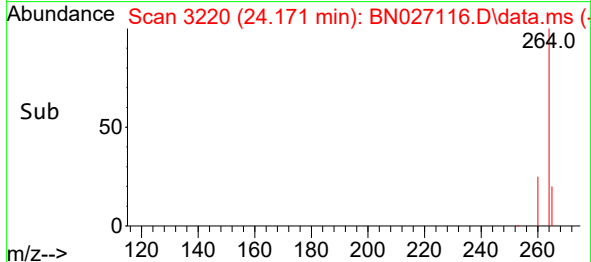
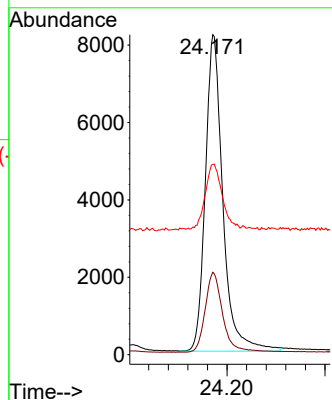
Tgt Ion:264 Resp: 20214

Ion Ratio Lower Upper

264 100

260 25.7 20.4 30.6

265 59.5 27.0 40.6#



#37

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 23.384 min Scan# 2951

Delta R.T. 0.006 min

Lab File: BN027116.D

Acq: 25 Aug 2023 12:22

Tgt Ion:252 Resp: 1647

Ion Ratio Lower Upper

252 100

253 59.5 18.4 27.6#

125 67.3 10.2 15.2#

