

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081623\  
 Data File : BN026927.D  
 Acq On : 16 Aug 2023 11:14  
 Operator : MA/JU  
 Sample : PB154857BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB154857BS

Quant Time: Aug 16 16:00:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 15:56:02 2023  
 Response via : Initial Calibration

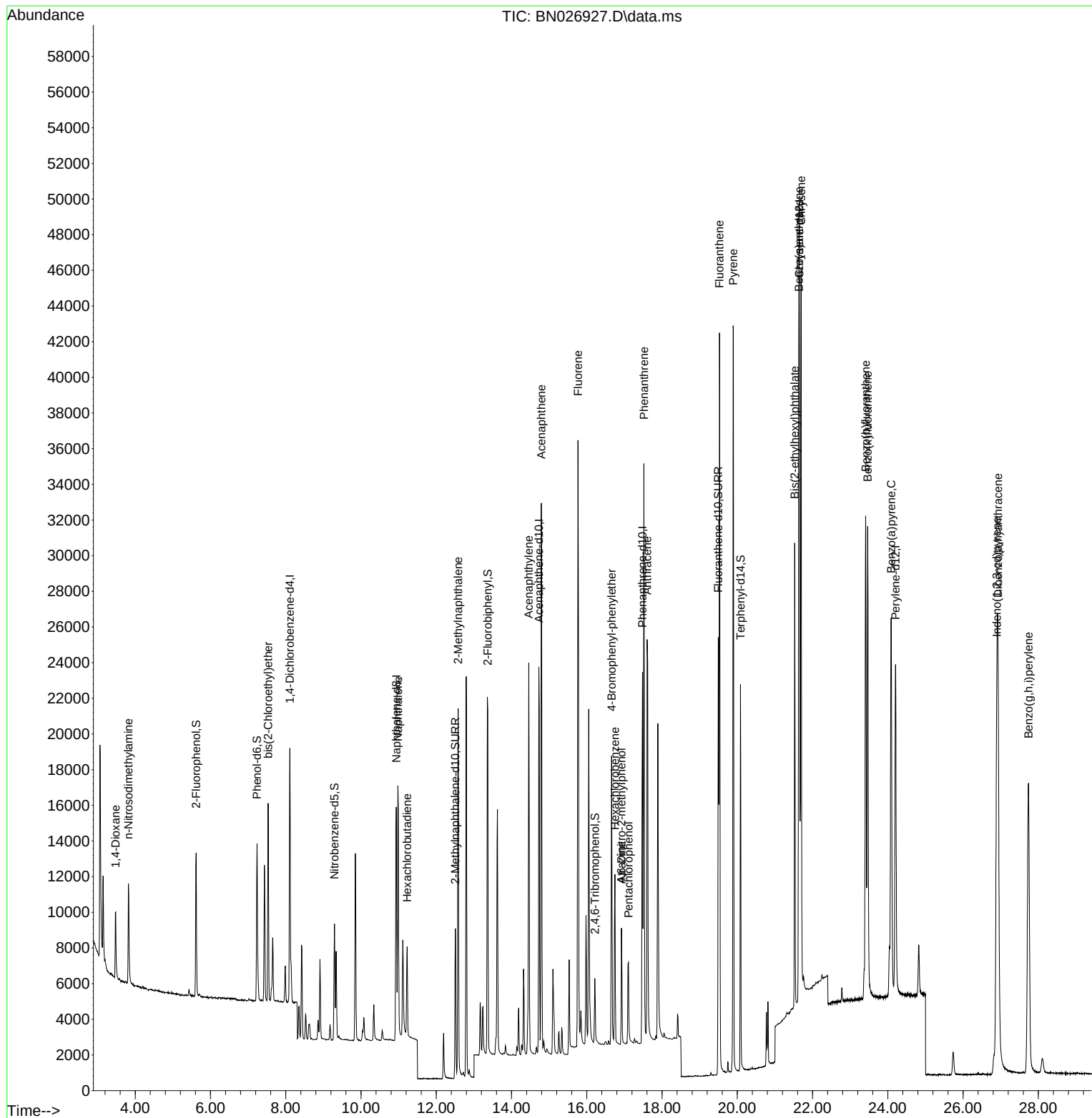
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.109  | 152  | 7038     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.938 | 136  | 19912    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.726 | 164  | 13229    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.480 | 188  | 29465    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.650 | 240  | 25682    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.203 | 264  | 29624    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.618  | 112  | 7175     | 0.362 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.235  | 99   | 8774     | 0.358 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.294  | 82   | 5482     | 0.326 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.506 | 152  | 12159    | 0.384 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.214 | 330  | 2171     | 0.308 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.368 | 172  | 19484    | 0.397 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.495 | 212  | 28834    | 0.382 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.085 | 244  | 20649    | 0.385 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.480  | 88   | 2996     | 0.396 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.819  | 42   | 3299     | 0.391 | ng    | # 97     |
| 6) bis(2-Chloroethyl)ether    | 7.531  | 93   | 8115     | 0.394 | ng    | 99       |
| 9) Naphthalene                | 10.981 | 128  | 20444    | 0.390 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.226 | 225  | 4172     | 0.389 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.581 | 142  | 15844    | 0.387 | ng    | 99       |
| 16) Acenaphthylene            | 14.459 | 152  | 23771    | 0.377 | ng    | 100      |
| 17) Acenaphthene              | 14.790 | 154  | 15435    | 0.396 | ng    | 99       |
| 18) Fluorene                  | 15.767 | 166  | 20079    | 0.383 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 16.921 | 198  | 173      | 0.374 | ng    | # 74     |
| 21) 4-Bromophenyl-phenylether | 16.661 | 248  | 6540     | 0.389 | ng    | # 82     |
| 22) Hexachlorobenzene         | 16.748 | 284  | 7422     | 0.413 | ng    | 99       |
| 23) Atrazine                  | 16.921 | 200  | 5165     | 0.345 | ng    | # 90     |
| 24) Pentachlorophenol         | 17.107 | 266  | 2846     | 0.314 | ng    | 98       |
| 25) Phenanthrene              | 17.517 | 178  | 33407    | 0.394 | ng    | 100      |
| 26) Anthracene                | 17.604 | 178  | 29055    | 0.368 | ng    | 100      |
| 28) Fluoranthene              | 19.527 | 202  | 38234    | 0.381 | ng    | 100      |
| 30) Pyrene                    | 19.894 | 202  | 39530    | 0.400 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.641 | 228  | 35394    | 0.382 | ng    | 99       |
| 33) Chrysene                  | 21.694 | 228  | 36917    | 0.395 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.524 | 149  | 22615    | 0.339 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.896 | 276  | 47350    | 0.390 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.411 | 252  | 38193    | 0.385 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.466 | 252  | 38805    | 0.381 | ng    | 97       |
| 39) Benzo(a)pyrene            | 24.089 | 252  | 37985    | 0.382 | ng    | 97       |
| 40) Dibenzo(a,h)anthracene    | 26.928 | 278  | 37152    | 0.385 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 27.738 | 276  | 41233    | 0.397 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

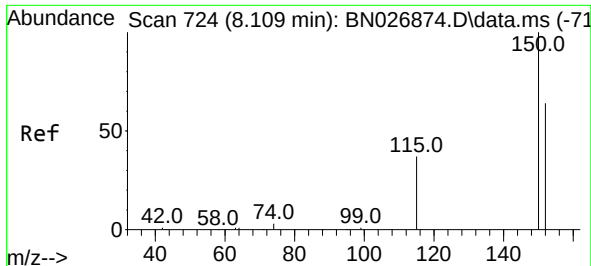
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081623\  
Data File : BN026927.D  
Acq On : 16 Aug 2023 11:14  
Operator : MA/JU  
Sample : PB154857BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

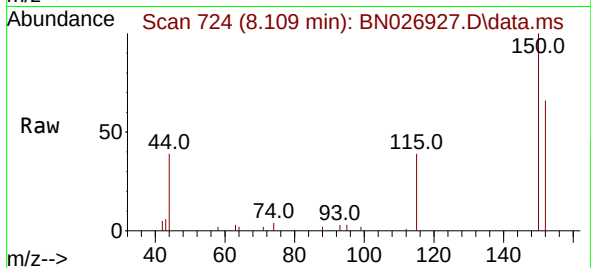
Quant Time: Aug 16 16:00:41 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 16 15:56:02 2023  
Response via : Initial Calibration





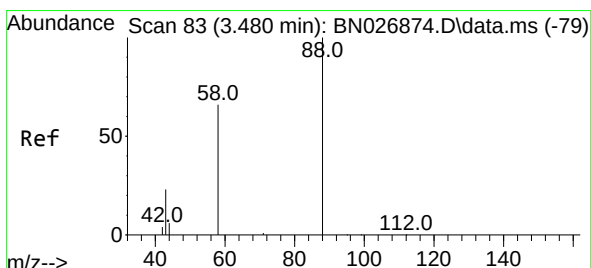
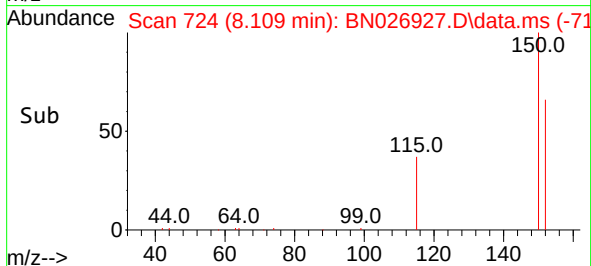
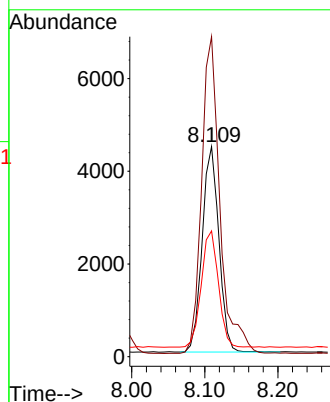
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.109 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BN026927.D  
 Acq: 16 Aug 2023 11:14

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB154857BS



Tgt Ion:152 Resp: 7038

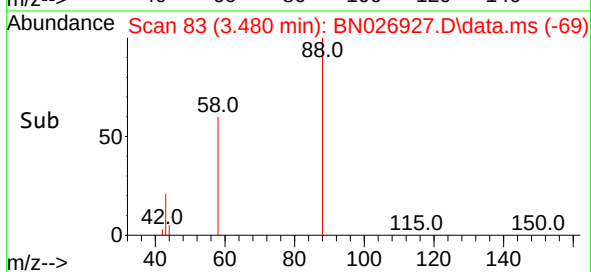
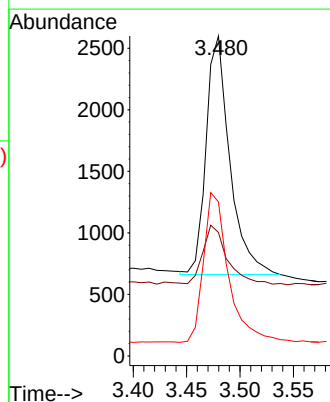
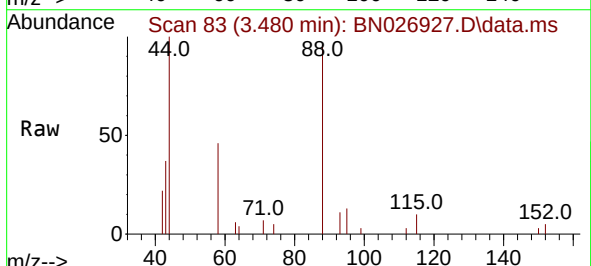
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 152.3 | 123.8 | 185.6 |
| 115 | 59.9  | 49.7  | 74.5  |

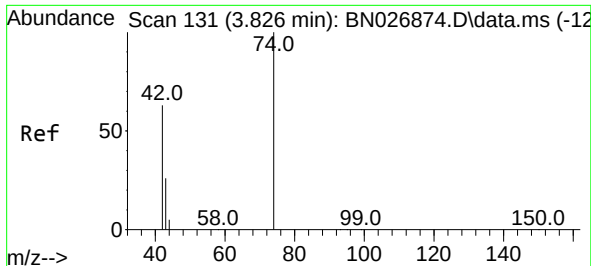


#2  
 1,4-Dioxane  
 Concen: 0.396 ng  
 RT: 3.480 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: BN026927.D  
 Acq: 16 Aug 2023 11:14

Tgt Ion: 88 Resp: 2996

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 24.9  | 19.2  | 28.8  |
| 58  | 66.2  | 54.5  | 81.7  |

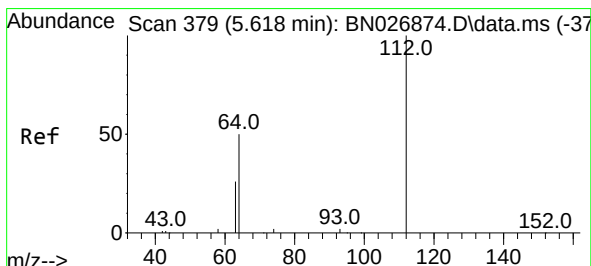
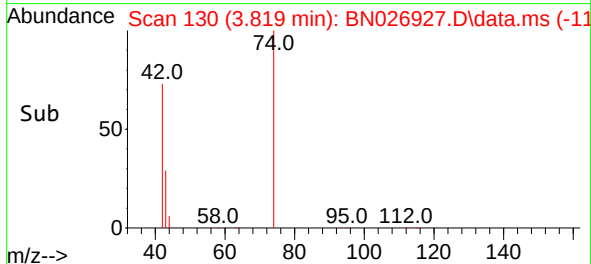
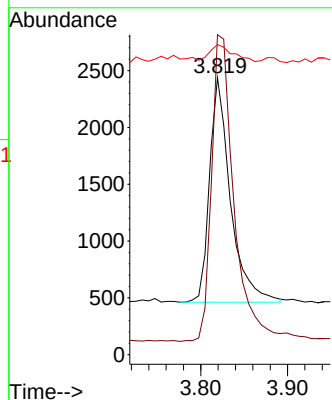
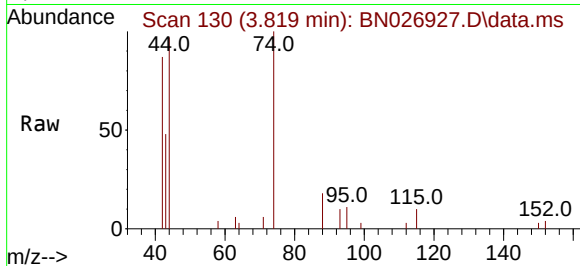




#3  
n-Nitrosodimethylamine  
Concen: 0.391 ng  
RT: 3.819 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

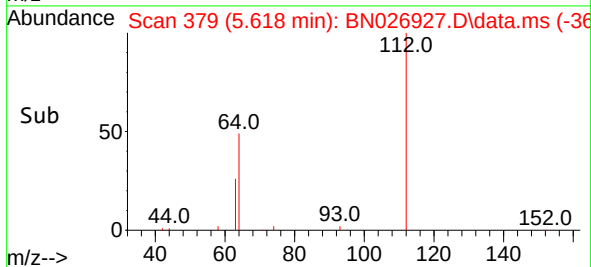
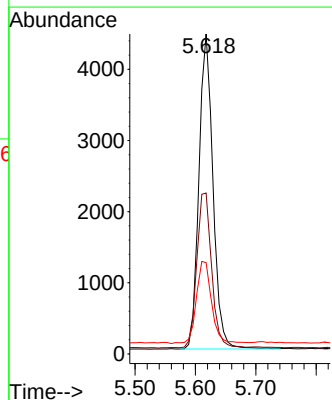
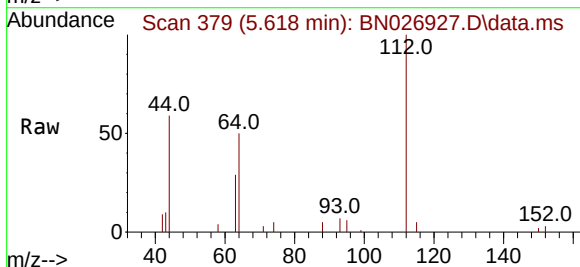
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

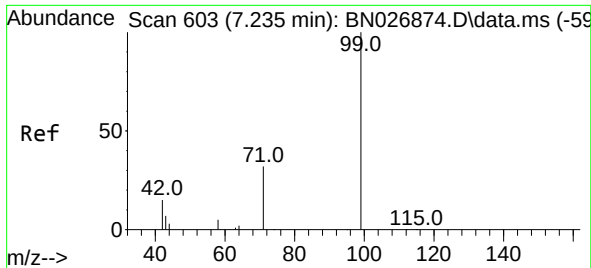
Tgt Ion: 42 Resp: 3299  
Ion Ratio Lower Upper  
42 100  
74 146.3 119.4 179.2  
44 8.2 8.7 13.1#



#4  
2-Fluorophenol  
Concen: 0.362 ng  
RT: 5.618 min Scan# 379  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion: 112 Resp: 7175  
Ion Ratio Lower Upper  
112 100  
64 52.2 41.5 62.3  
63 28.2 21.7 32.5

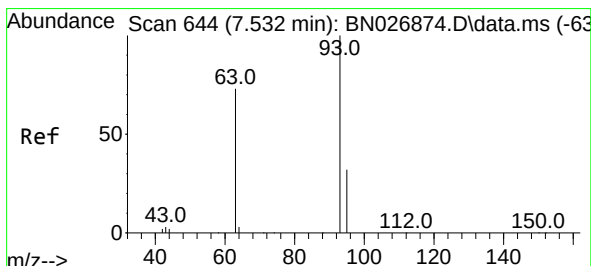
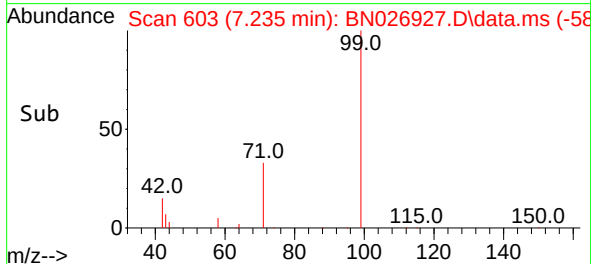
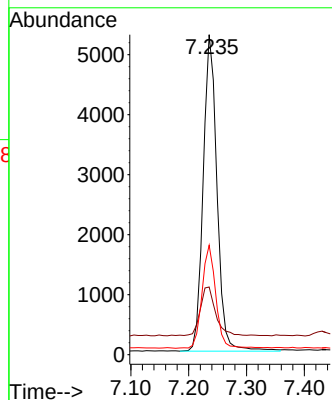
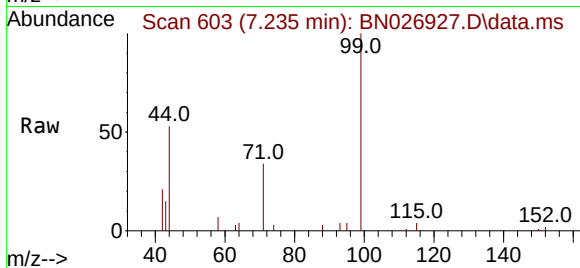




#5  
Phenol-d6  
Concen: 0.358 ng  
RT: 7.235 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

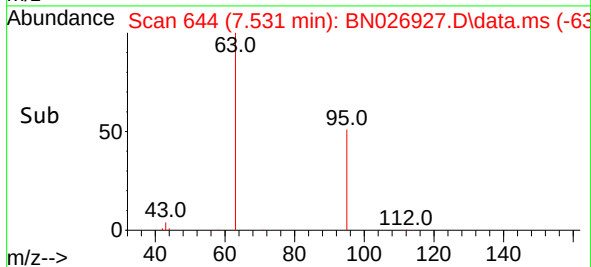
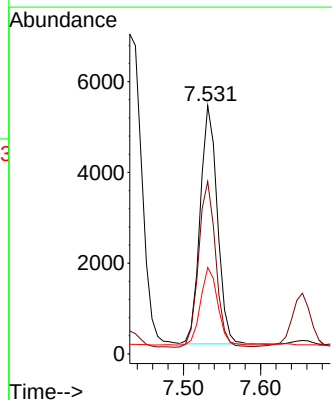
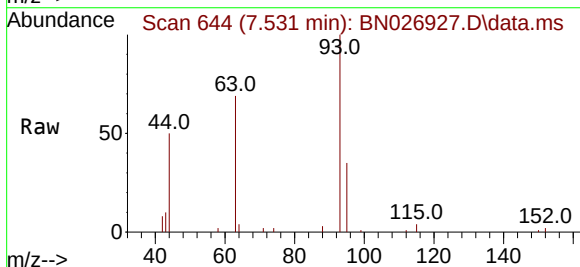
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

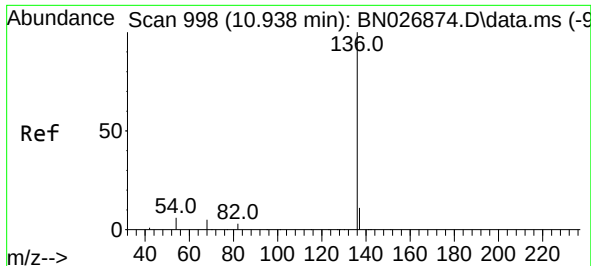
Tgt Ion: 99 Resp: 8774  
Ion Ratio Lower Upper  
99 100  
42 17.1 13.6 20.4  
71 32.4 26.0 39.0



#6  
bis(2-Chloroethyl)ether  
Concen: 0.394 ng  
RT: 7.531 min Scan# 644  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion: 93 Resp: 8115  
Ion Ratio Lower Upper  
93 100  
63 69.8 55.0 82.4  
95 32.5 26.2 39.2

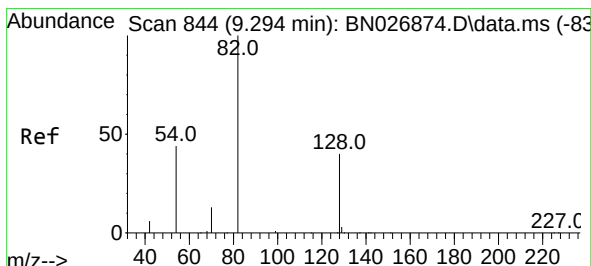
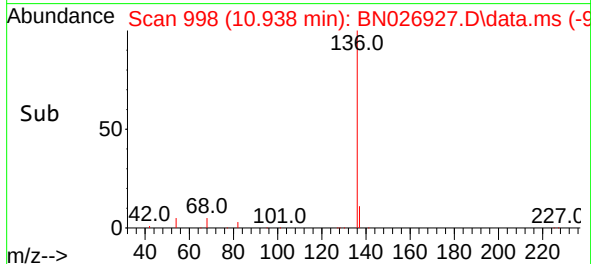
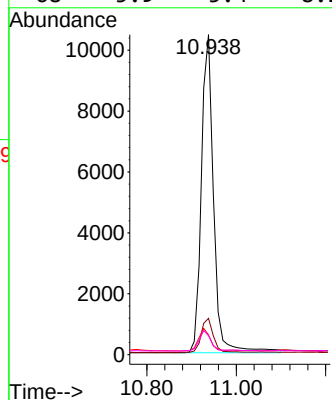
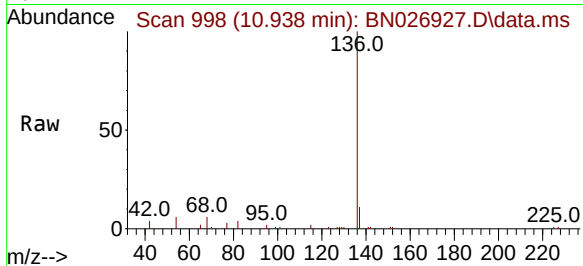




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.938 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

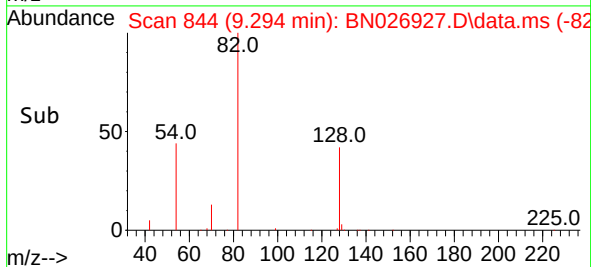
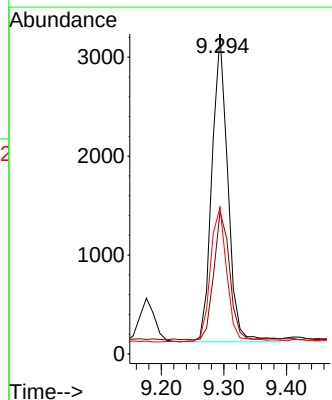
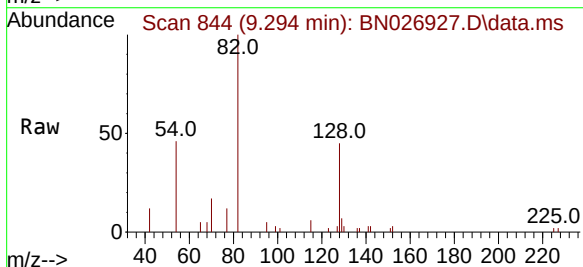
Instrument :  
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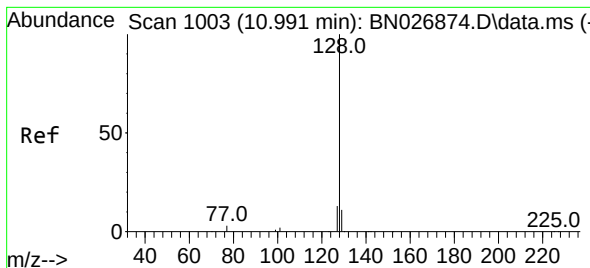
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|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 19912    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 9.0 13.6 |
| 54          | 6.2   | 5.5 8.3  |
| 68          | 5.9   | 5.4 8.2  |



#8  
Nitrobenzene-d5  
Concen: 0.326 ng  
RT: 9.294 min Scan# 844  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 5482      |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.5  | 34.1 51.1 |
| 54          | 45.9  | 37.0 55.4 |





#9

Naphthalene

Concen: 0.390 ng

RT: 10.981 min Scan# 1002

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

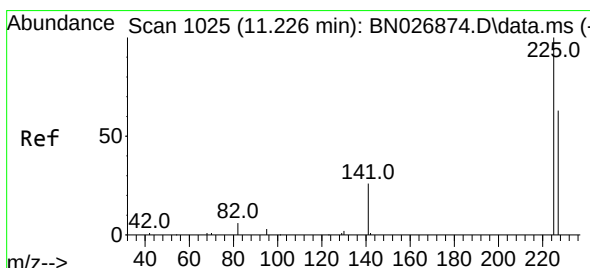
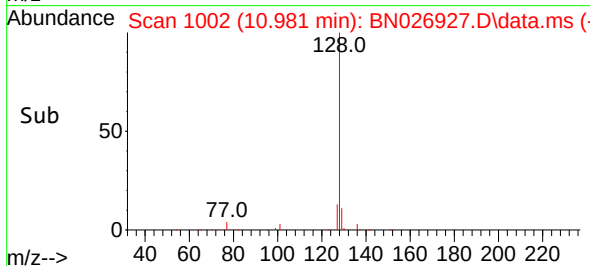
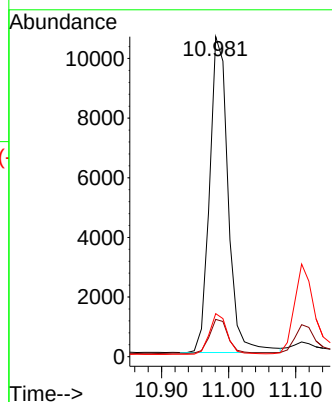
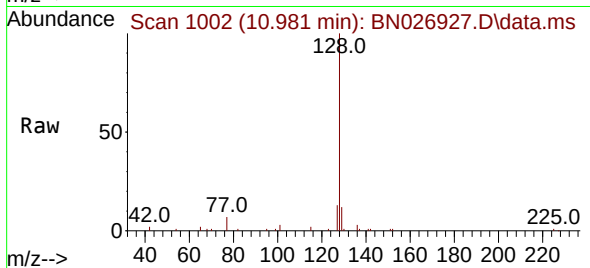
Tgt Ion:128 Resp: 20444

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.0

127 13.4 10.6 16.0



#10

Hexachlorobutadiene

Concen: 0.389 ng

RT: 11.226 min Scan# 1025

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

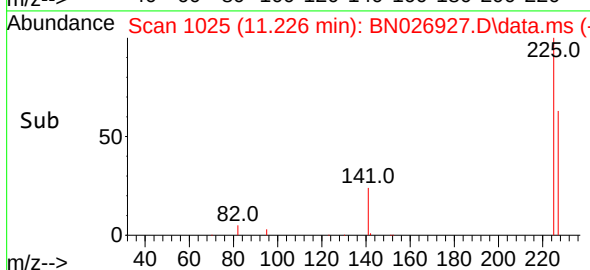
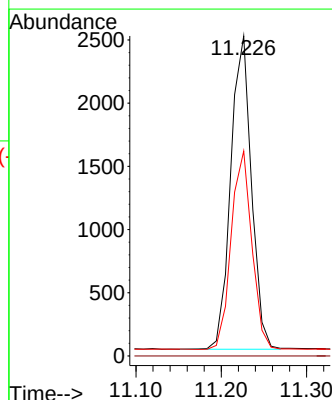
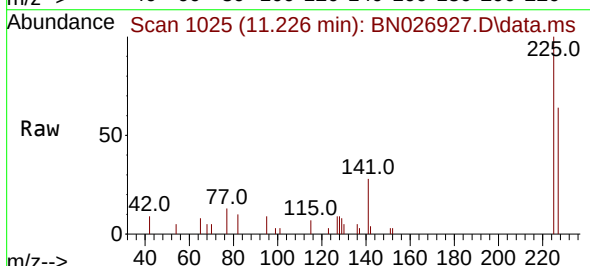
Tgt Ion:225 Resp: 4172

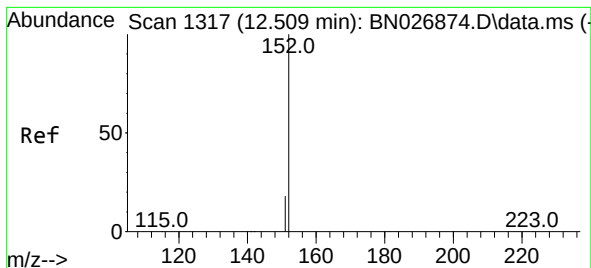
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.2 50.8 76.2

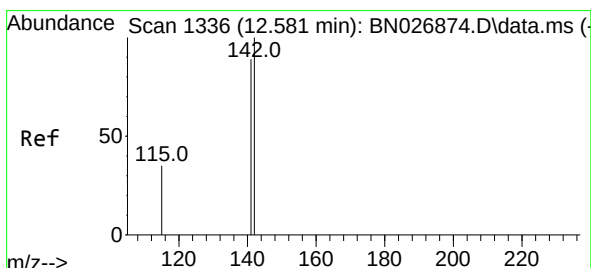
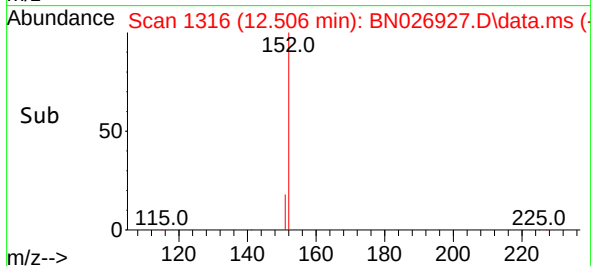
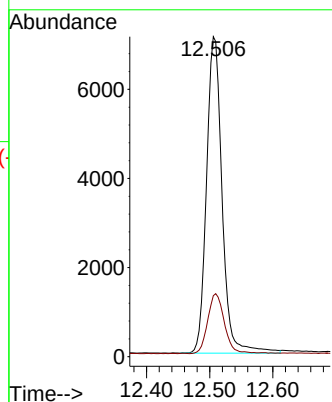
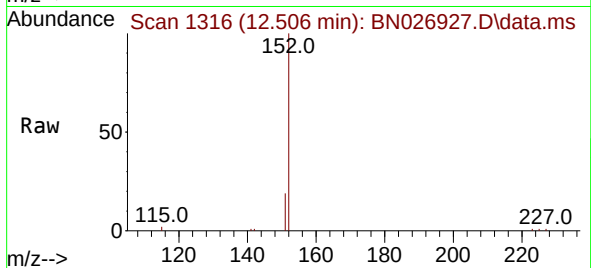




#11  
2-Methylnaphthalene-d10  
Concen: 0.384 ng  
RT: 12.506 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

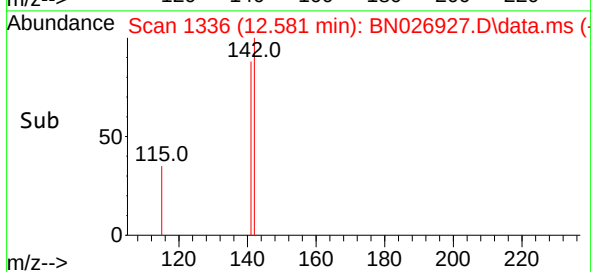
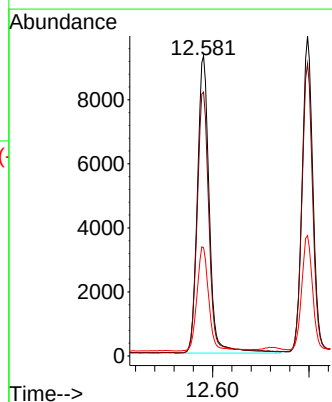
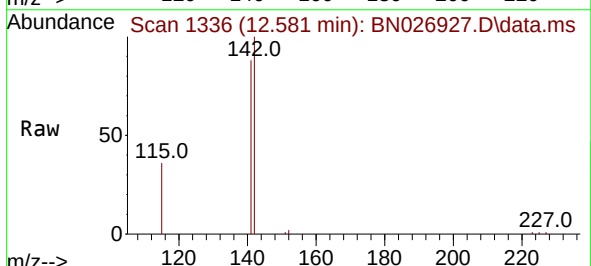
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

Tgt Ion:152 Resp: 12159  
Ion Ratio Lower Upper  
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151 20.3 16.3 24.5

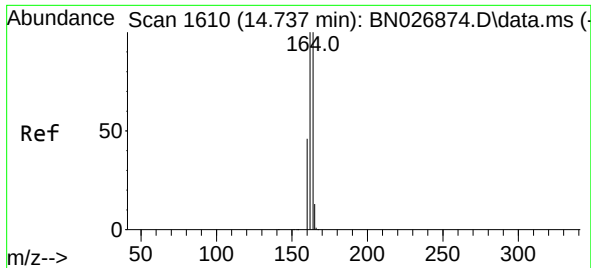


#12  
2-Methylnaphthalene  
Concen: 0.387 ng  
RT: 12.581 min Scan# 1336  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:142 Resp: 15844  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.0 106.6  
115 36.1 29.4 44.2



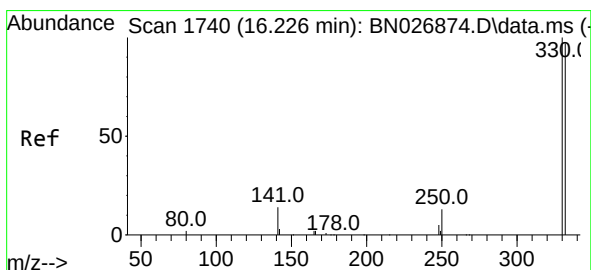
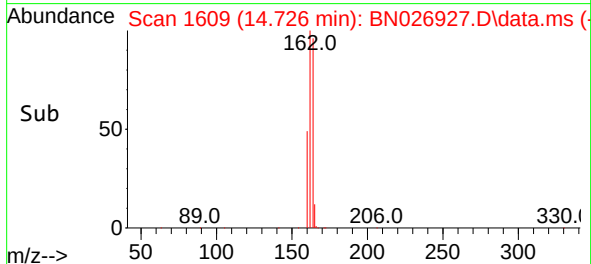
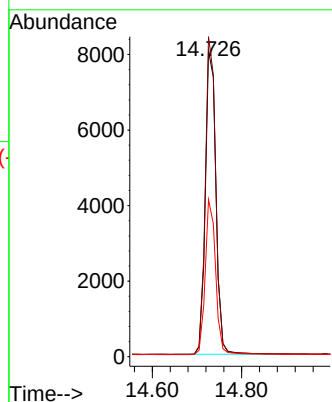
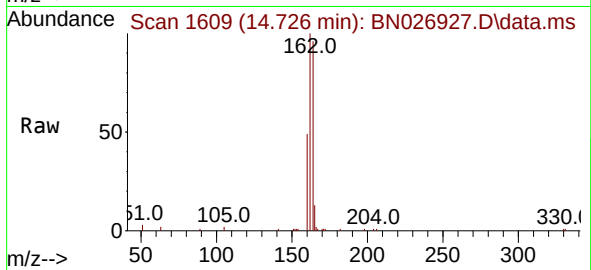




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.726 min Scan# 1609  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

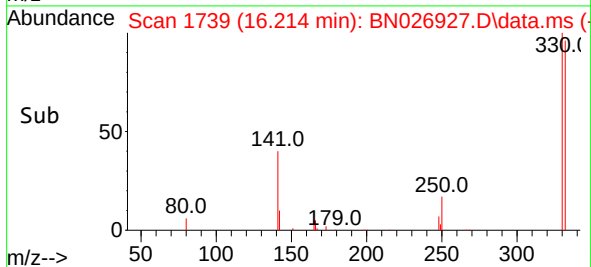
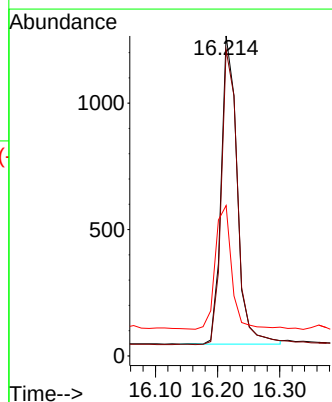
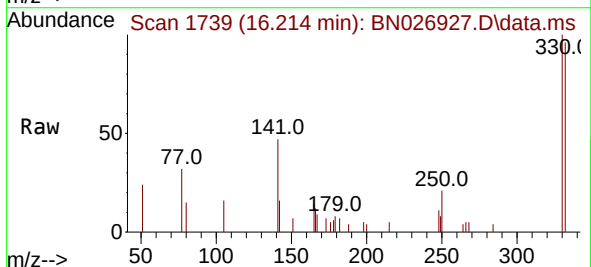
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

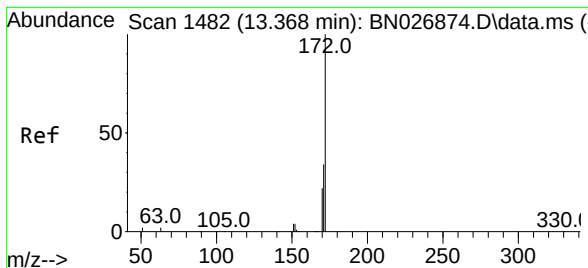
Tgt Ion:164 Resp: 13229  
Ion Ratio Lower Upper  
164 100  
162 104.6 79.7 119.5  
160 51.4 37.4 56.0



#14  
2,4,6-Tribromophenol  
Concen: 0.308 ng  
RT: 16.214 min Scan# 1739  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:330 Resp: 2171  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.6 114.8  
141 41.6 32.3 48.5

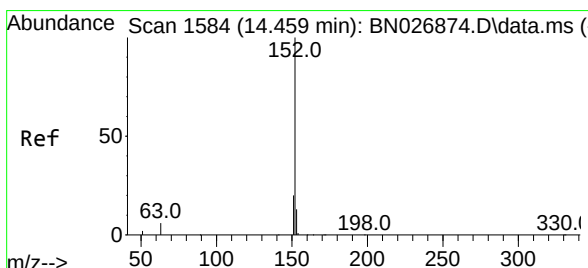
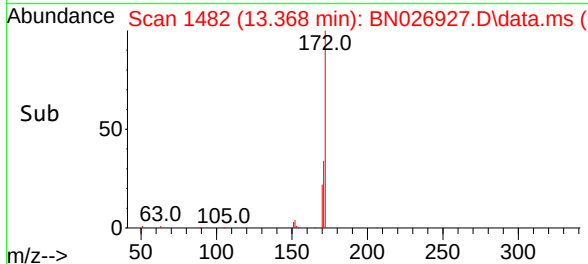
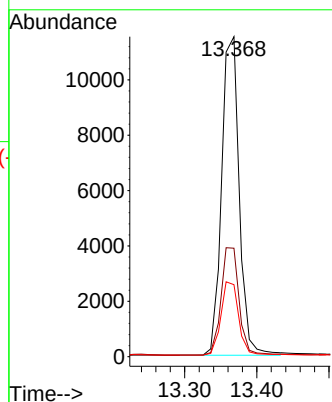
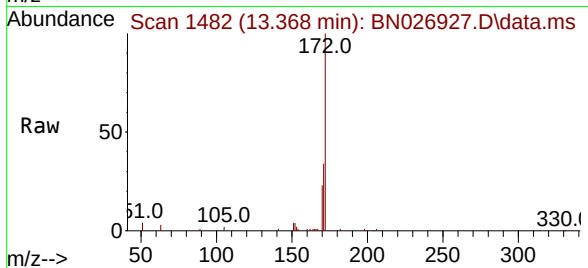




#15  
2-Fluorobiphenyl  
Concen: 0.397 ng  
RT: 13.368 min Scan# 1482  
Delta R.T. 0.011 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

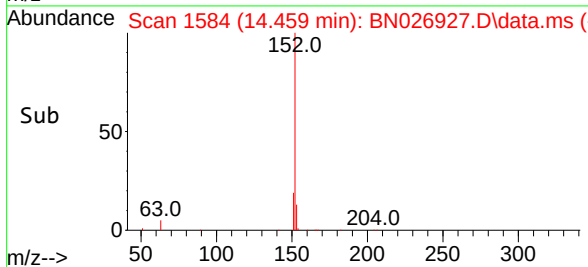
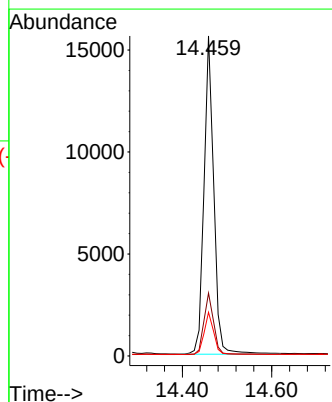
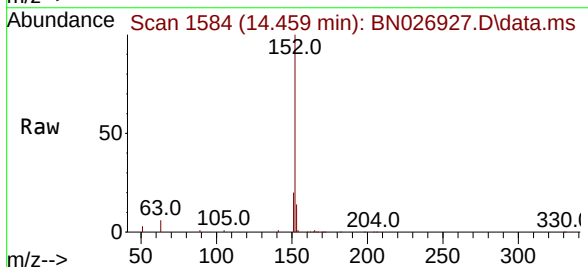
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

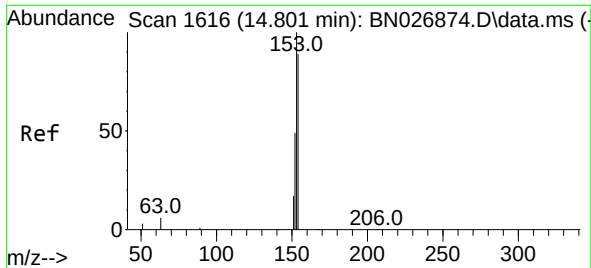
Tgt Ion:172 Resp: 19484  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.4 41.0  
170 22.5 18.0 27.0



#16  
Acenaphthylene  
Concen: 0.377 ng  
RT: 14.459 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:152 Resp: 23771  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.5 23.3  
153 13.0 10.5 15.7

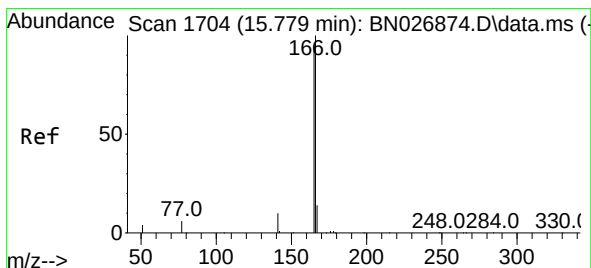
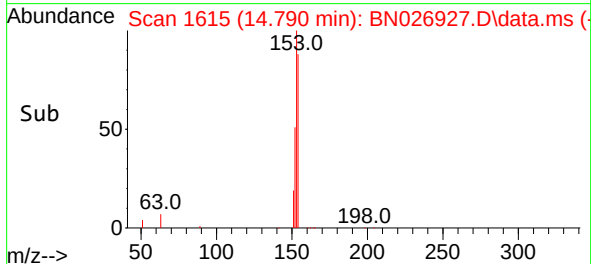
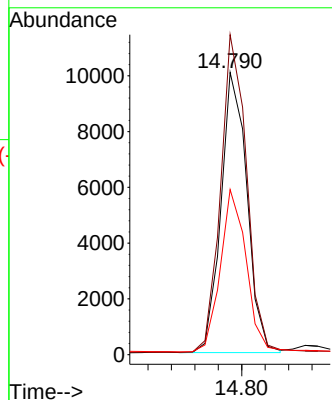
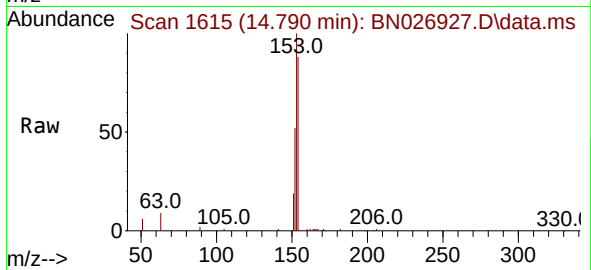




#17  
Acenaphthene  
Concen: 0.396 ng  
RT: 14.790 min Scan# 1616  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

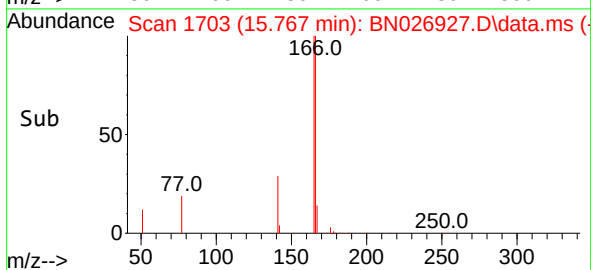
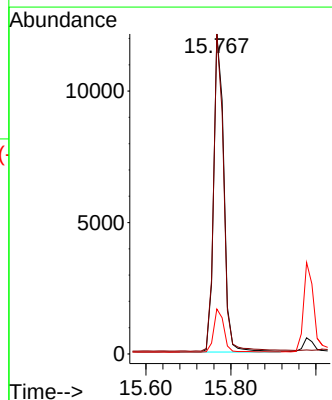
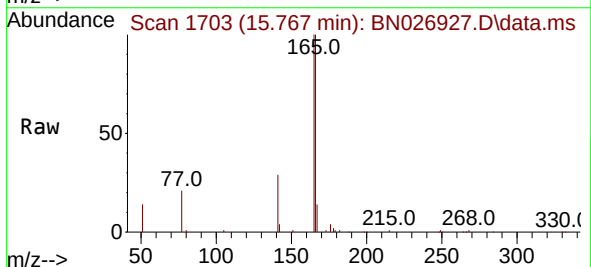
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

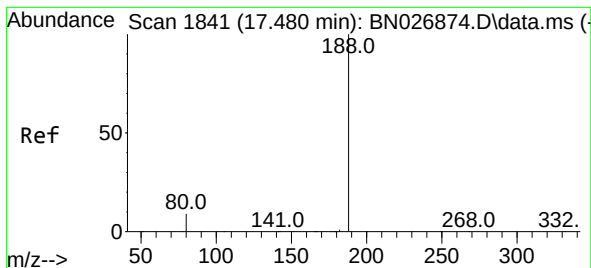
Tgt Ion:154 Resp: 15435  
Ion Ratio Lower Upper  
154 100  
153 114.3 92.0 138.0  
152 58.5 46.2 69.2



#18  
Fluorene  
Concen: 0.383 ng  
RT: 15.767 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:166 Resp: 20079  
Ion Ratio Lower Upper  
166 100  
165 98.4 77.4 116.2  
167 13.7 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.480 min Scan# 1841

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

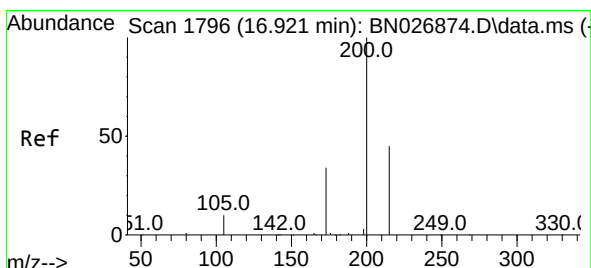
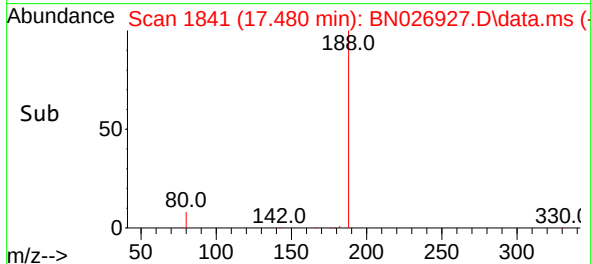
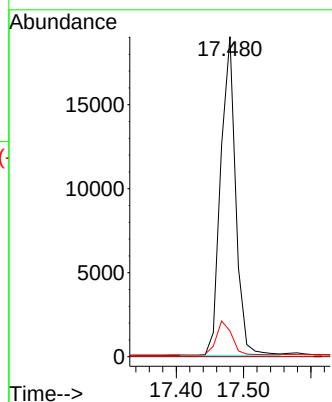
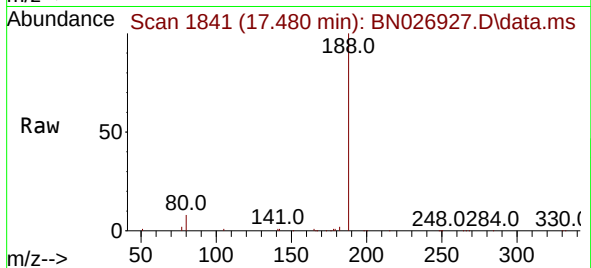
Tgt Ion:188 Resp: 29465

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.1 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.374 ng

RT: 16.921 min Scan# 1796

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

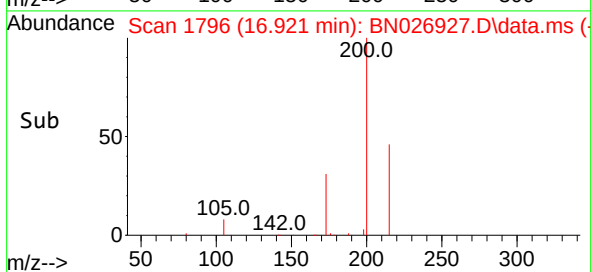
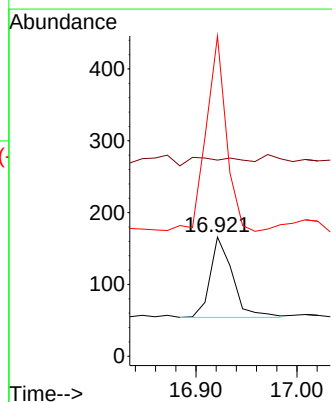
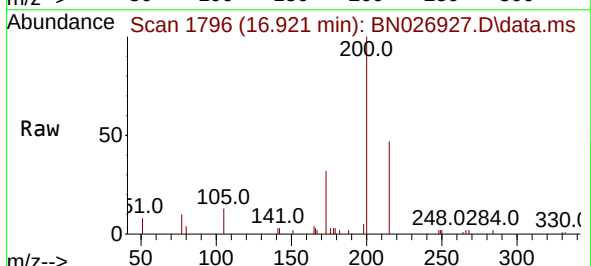
Tgt Ion:198 Resp: 173

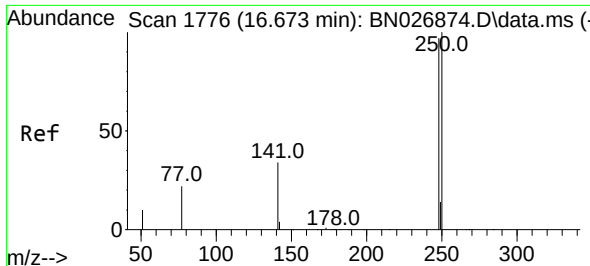
Ion Ratio Lower Upper

198 100

51 164.5 143.8 215.8

105 268.7 273.5 410.3#

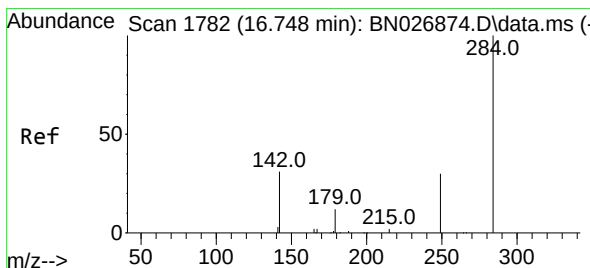
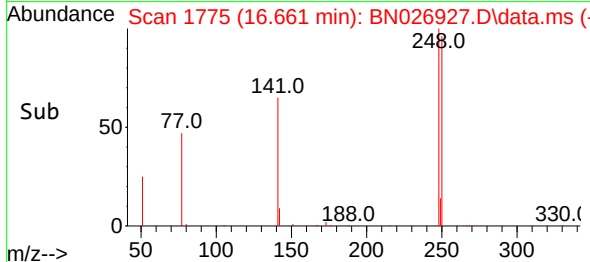
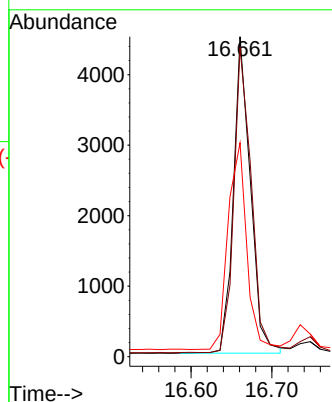
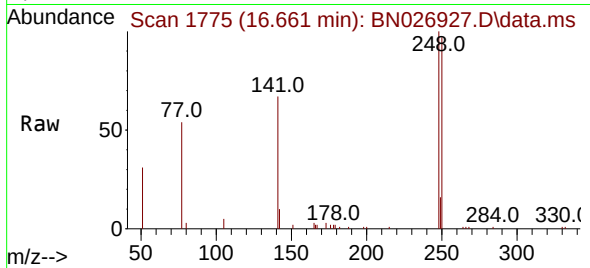




#21  
4-Bromophenyl-phenylether  
Concen: 0.389 ng  
RT: 16.661 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

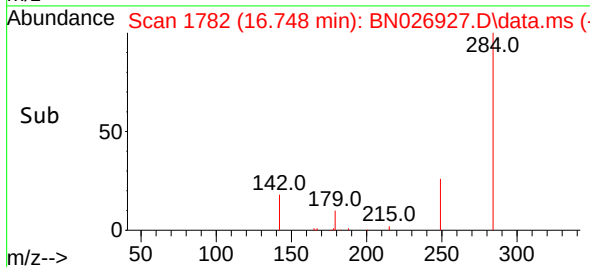
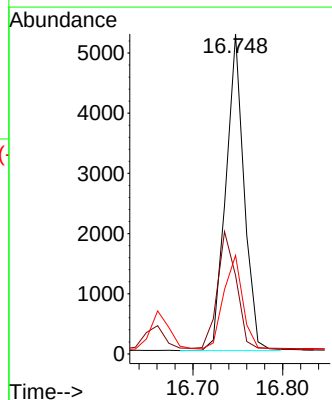
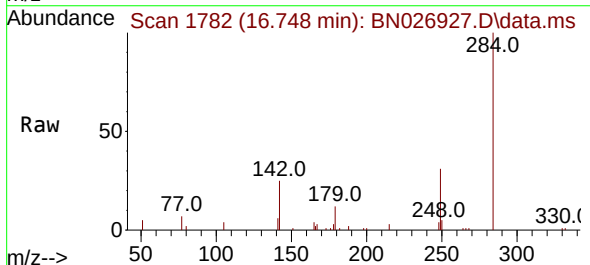
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

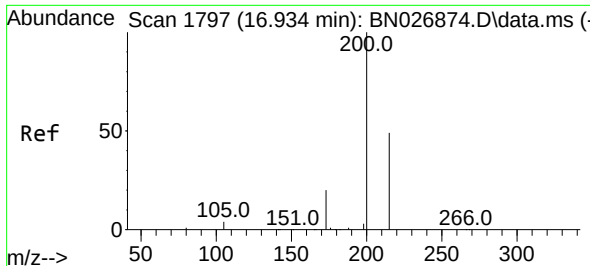
Tgt Ion:248 Resp: 6540  
Ion Ratio Lower Upper  
248 100  
250 96.6 83.0 124.4  
141 66.8 29.9 44.9#



#22  
Hexachlorobenzene  
Concen: 0.413 ng  
RT: 16.748 min Scan# 1782  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:284 Resp: 7422  
Ion Ratio Lower Upper  
284 100  
142 37.9 30.0 45.0  
249 30.7 24.4 36.6

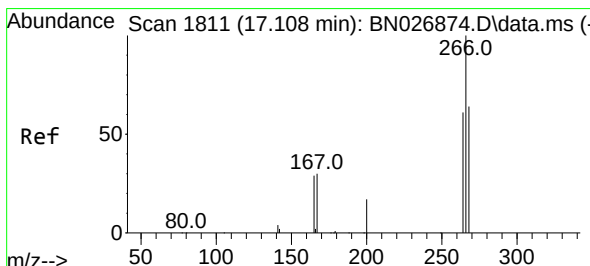
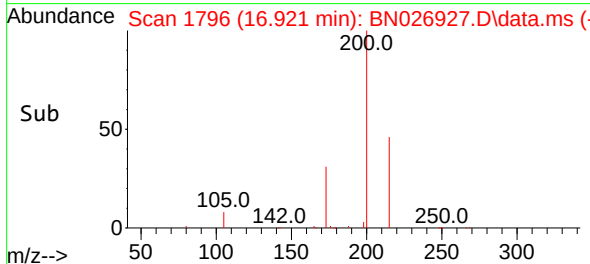
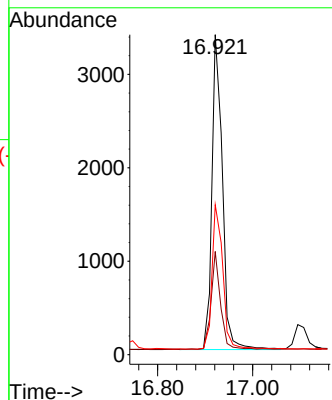
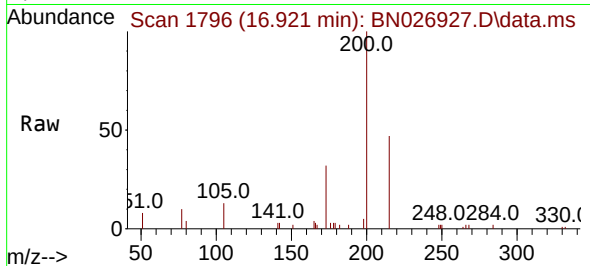




#23  
Atrazine  
Concen: 0.345 ng  
RT: 16.921 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

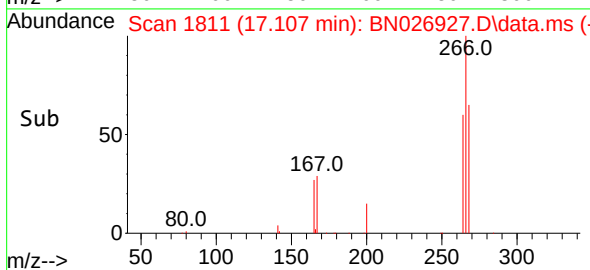
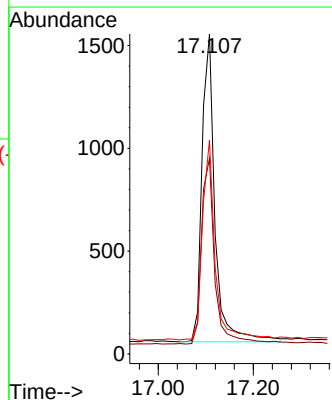
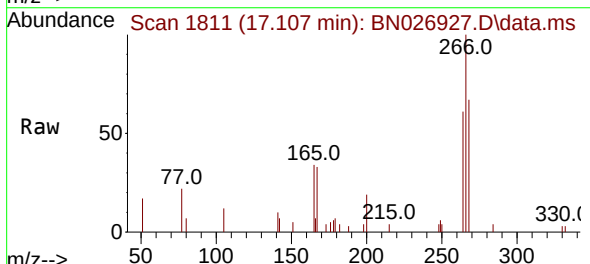
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

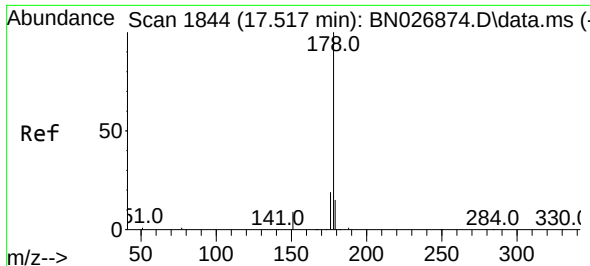
Tgt Ion:200 Resp: 5165  
Ion Ratio Lower Upper  
200 100  
173 32.2 17.1 25.7#  
215 46.9 39.6 59.4



#24  
Pentachlorophenol  
Concen: 0.314 ng  
RT: 17.107 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:266 Resp: 2846  
Ion Ratio Lower Upper  
266 100  
264 61.8 49.7 74.5  
268 63.6 49.3 73.9

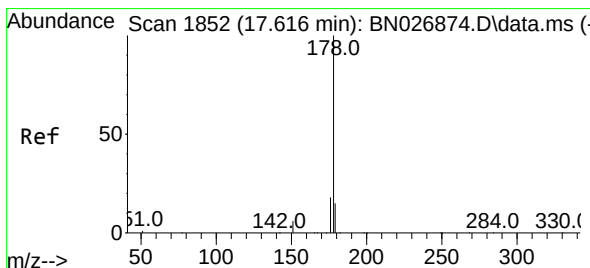
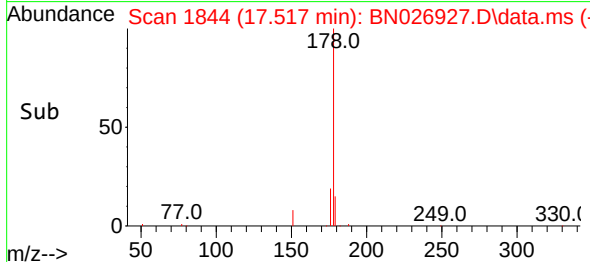
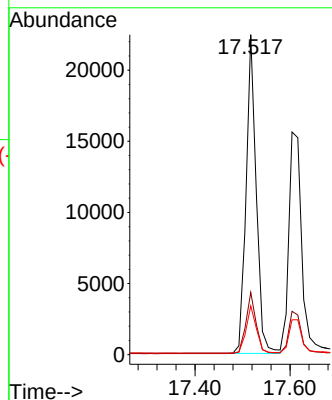
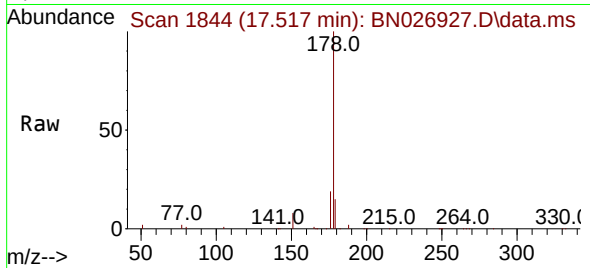




#25  
Phenanthrene  
Concen: 0.394 ng  
RT: 17.517 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

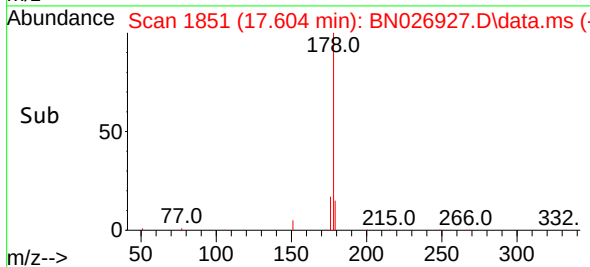
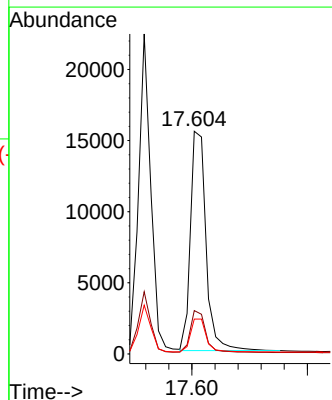
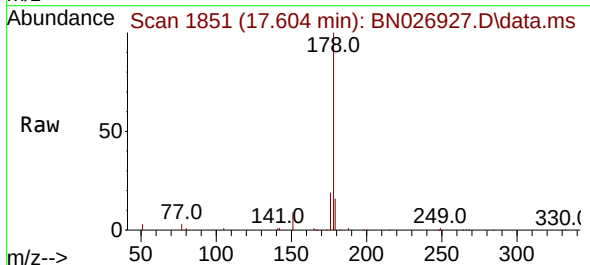
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

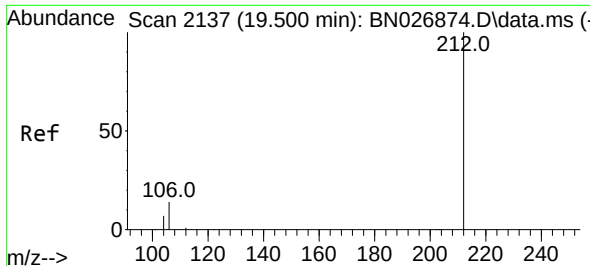
Tgt Ion:178 Resp: 33407  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.2 12.2 18.4



#26  
Anthracene  
Concen: 0.368 ng  
RT: 17.604 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:178 Resp: 29055  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.8 22.2  
179 15.3 12.1 18.1

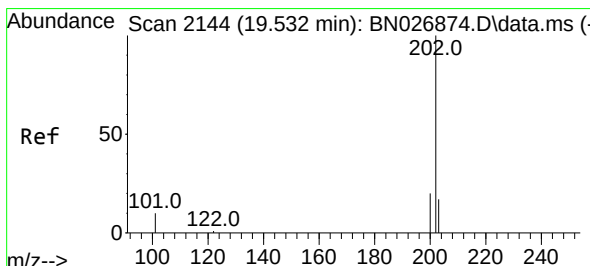
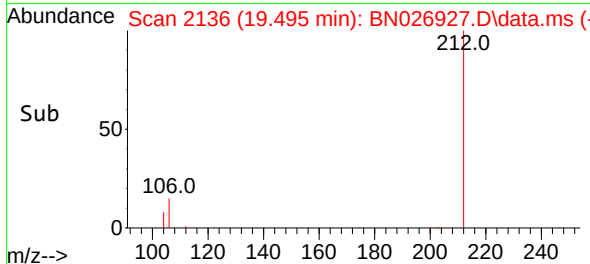
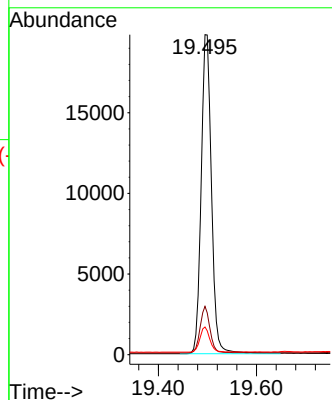
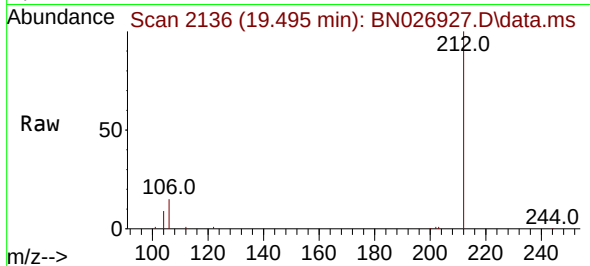




#27  
Fluoranthene-d10  
Concen: 0.382 ng  
RT: 19.495 min Scan# 2136  
Delta R.T. -0.005 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

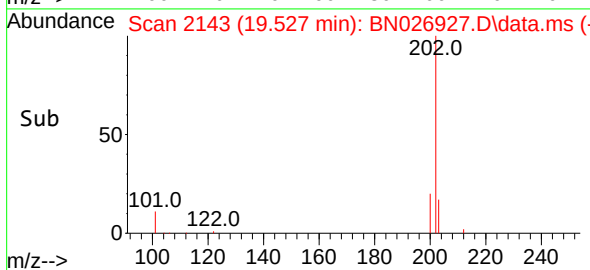
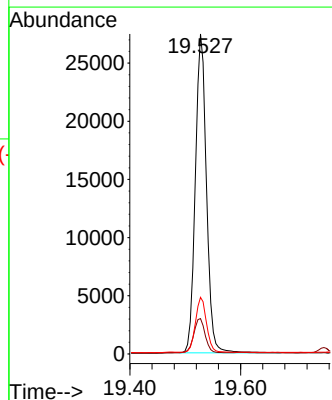
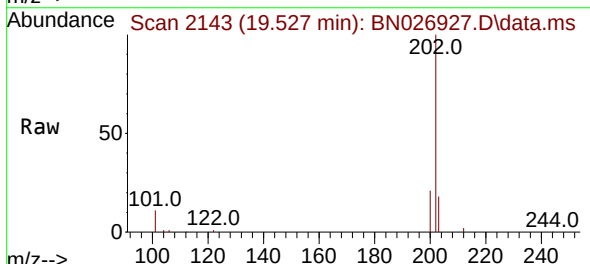
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

Tgt Ion:212 Resp: 28834  
Ion Ratio Lower Upper  
212 100  
106 13.9 10.9 16.3  
104 7.6 5.9 8.9

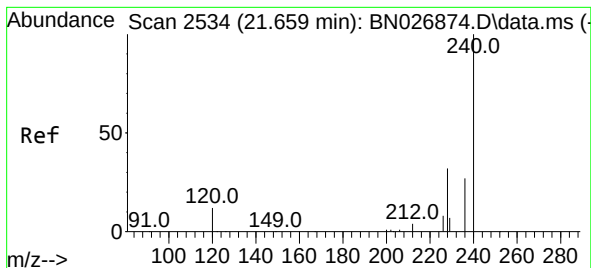


#28  
Fluoranthene  
Concen: 0.381 ng  
RT: 19.527 min Scan# 2143  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:202 Resp: 38234  
Ion Ratio Lower Upper  
202 100  
101 11.4 8.9 13.3  
203 17.2 13.7 20.5







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.650 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

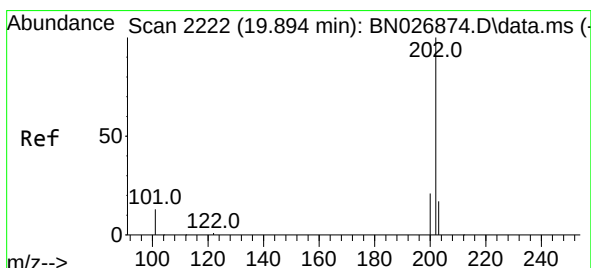
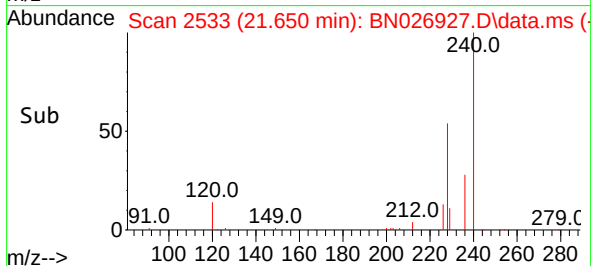
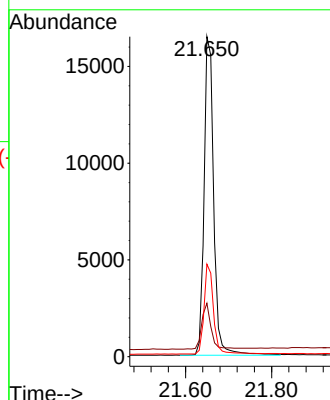
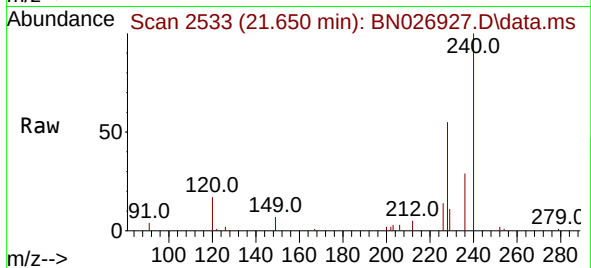
Tgt Ion:240 Resp: 25682

Ion Ratio Lower Upper

240 100

120 16.7 11.1 16.7

236 28.9 22.2 33.2



#30

Pyrene

Concen: 0.400 ng

RT: 19.894 min Scan# 2222

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

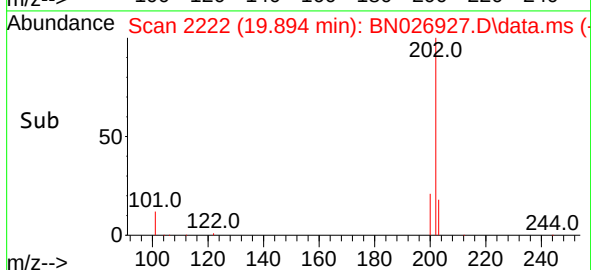
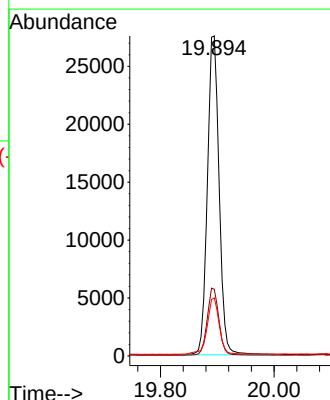
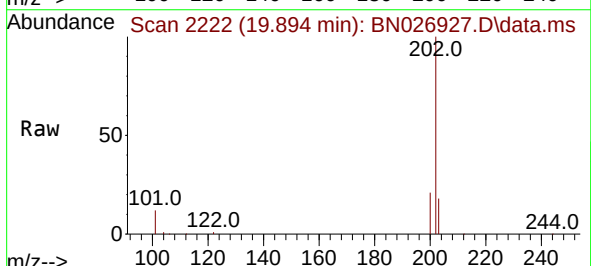
Tgt Ion:202 Resp: 39530

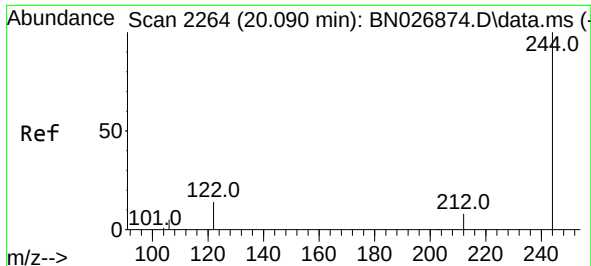
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 18.3 14.4 21.6

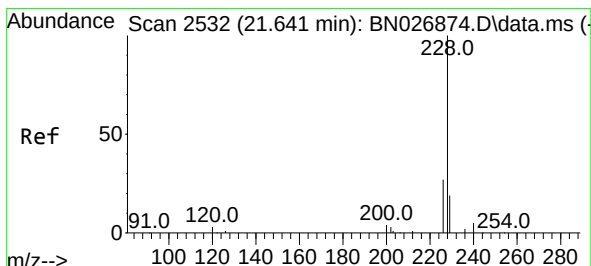
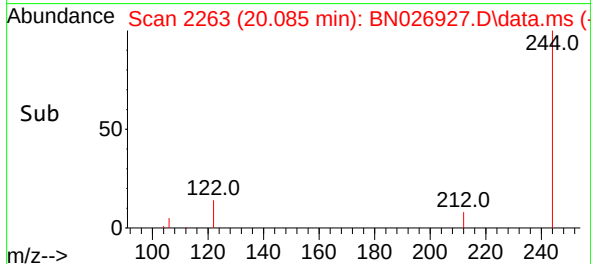
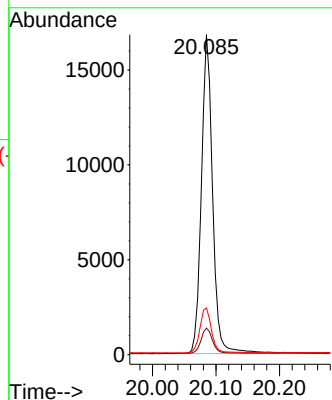
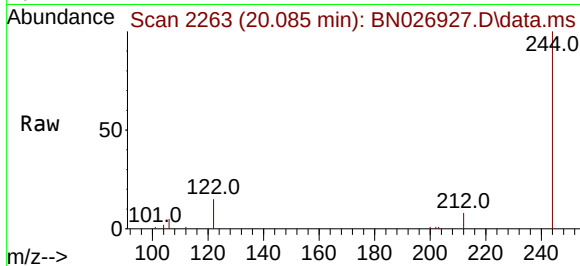




#31  
Terphenyl-d14  
Concen: 0.385 ng  
RT: 20.085 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

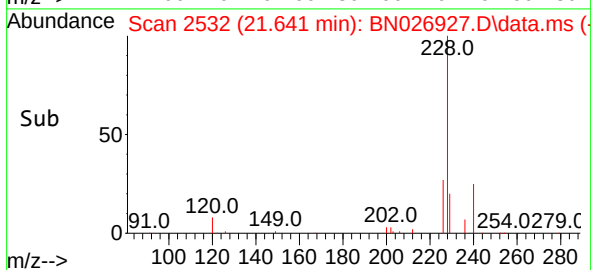
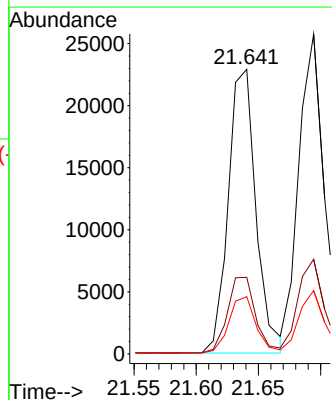
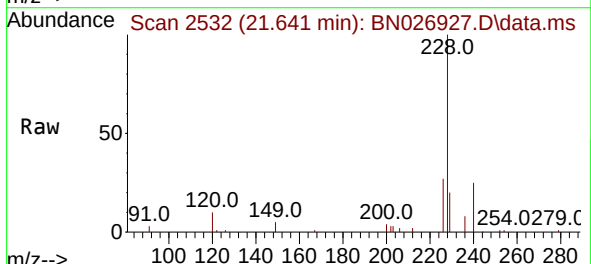
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

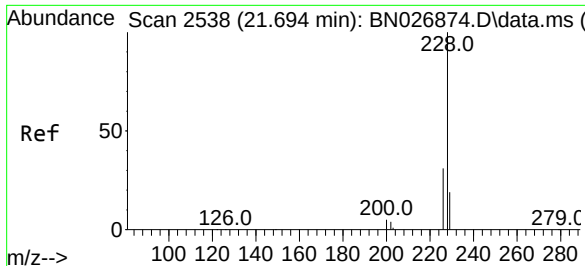
Tgt Ion:244 Resp: 20649  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.9 10.3  
122 14.6 11.9 17.9



#32  
Benzo(a)anthracene  
Concen: 0.382 ng  
RT: 21.641 min Scan# 2532  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:228 Resp: 35394  
Ion Ratio Lower Upper  
228 100  
226 26.9 22.1 33.1  
229 20.2 15.5 23.3





#33

Chrysene

Concen: 0.395 ng

RT: 21.694 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

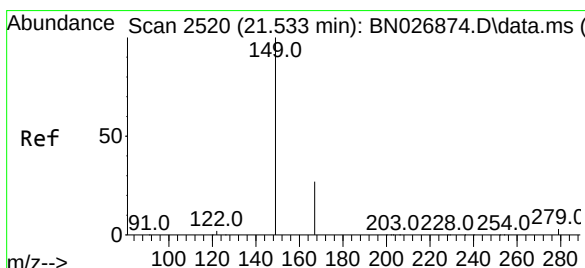
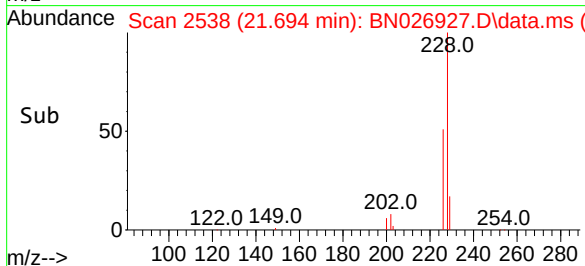
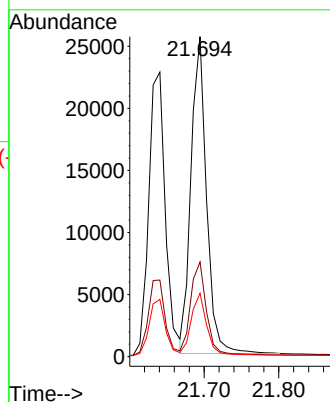
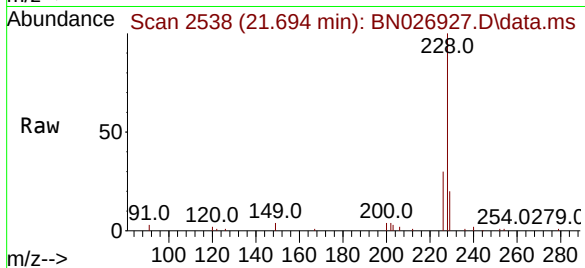
Tgt Ion:228 Resp: 36917

Ion Ratio Lower Upper

228 100

226 29.6 24.6 37.0

229 19.8 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.339 ng

RT: 21.524 min Scan# 2519

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

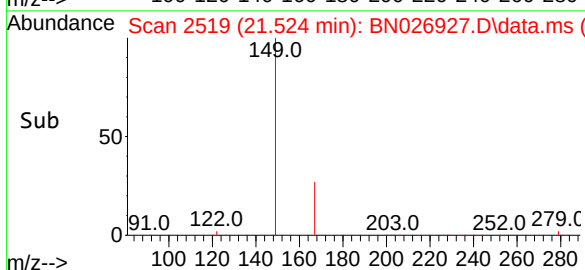
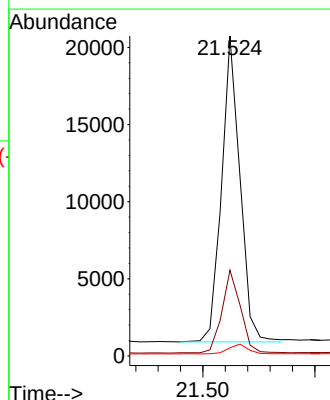
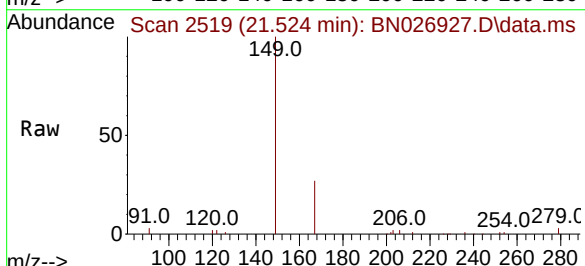
Tgt Ion:149 Resp: 22615

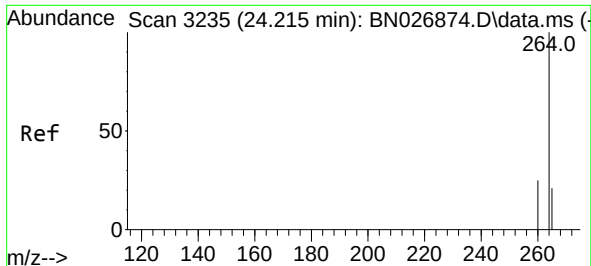
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 3.5 3.6 5.4#

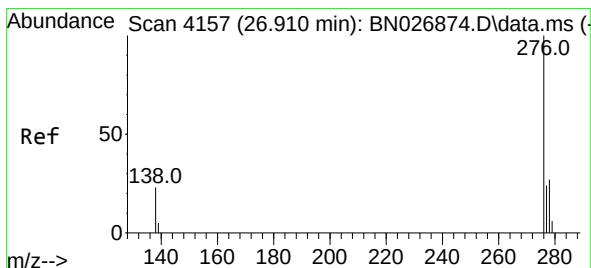
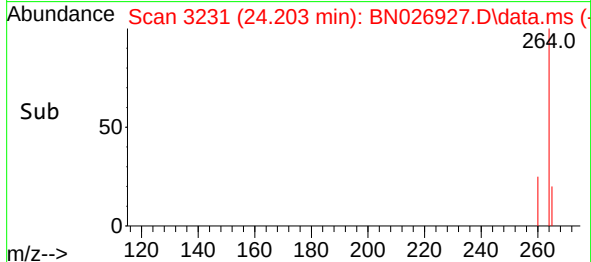
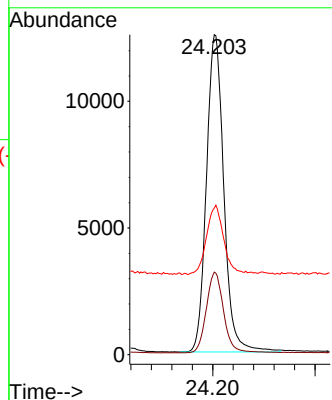
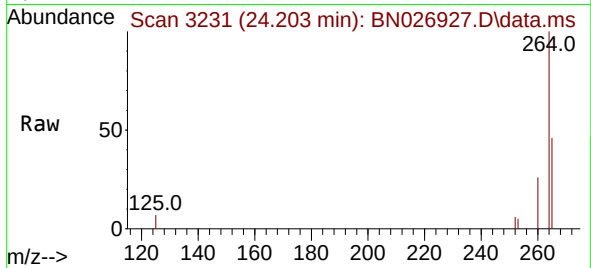




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.203 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

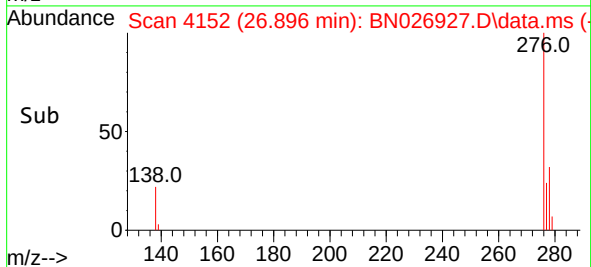
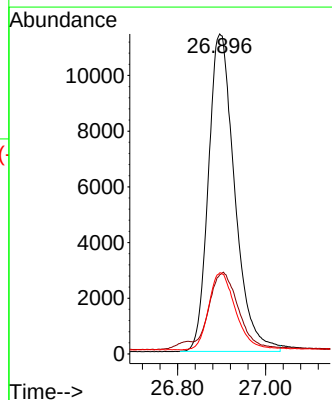
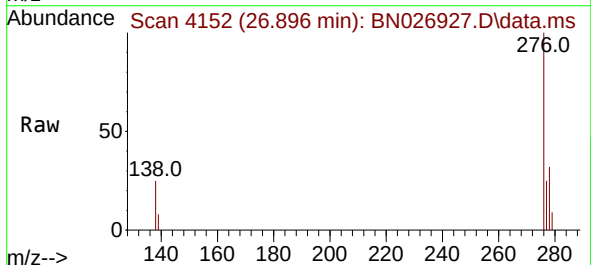
Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS

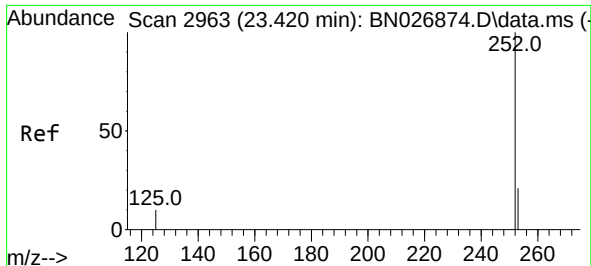
Tgt Ion:264 Resp: 29624  
Ion Ratio Lower Upper  
264 100  
260 25.8 20.4 30.6  
265 45.8 27.0 40.6#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.390 ng  
RT: 26.896 min Scan# 4152  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Tgt Ion:276 Resp: 47350  
Ion Ratio Lower Upper  
276 100  
138 25.2 21.1 31.7  
277 24.9 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.385 ng

RT: 23.411 min Scan# 2960

Delta R.T. -0.003 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

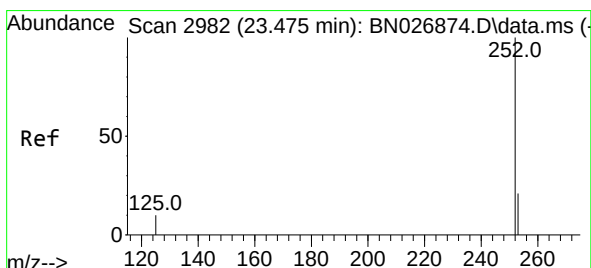
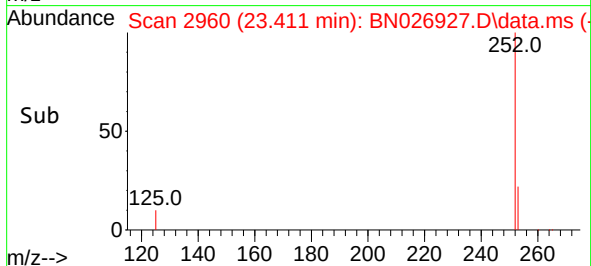
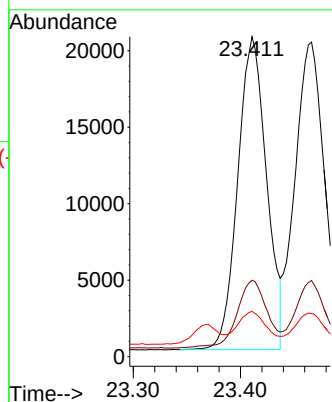
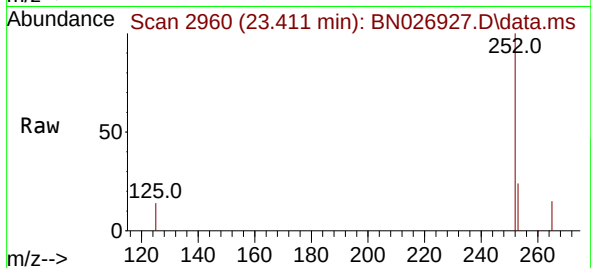
Tgt Ion:252 Resp: 38193

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 14.1 10.2 15.2



#38

Benzo(k)fluoranthene

Concen: 0.381 ng

RT: 23.466 min Scan# 2979

Delta R.T. -0.000 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

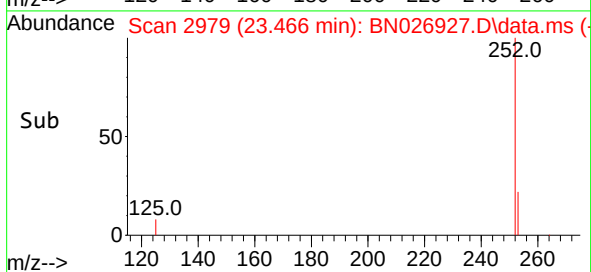
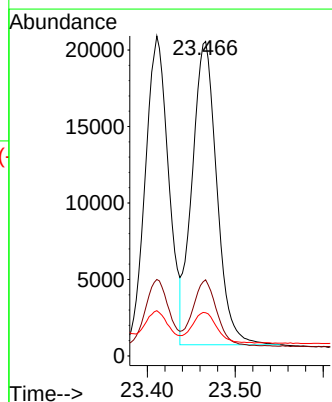
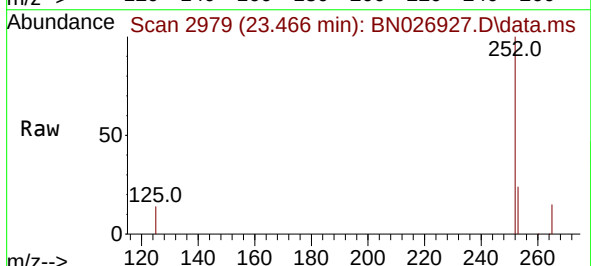
Tgt Ion:252 Resp: 38805

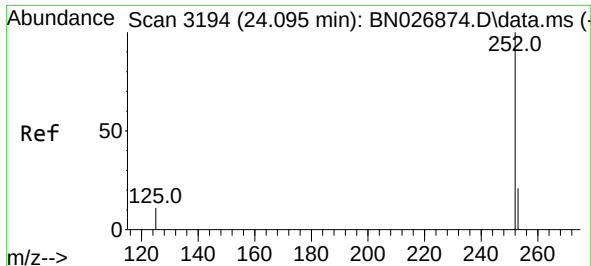
Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

125 13.7 10.2 15.2





#39

Benzo(a)pyrene

Concen: 0.382 ng

RT: 24.089 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

Instrument :

BNA\_N

ClientSampleId :

PB154857BS

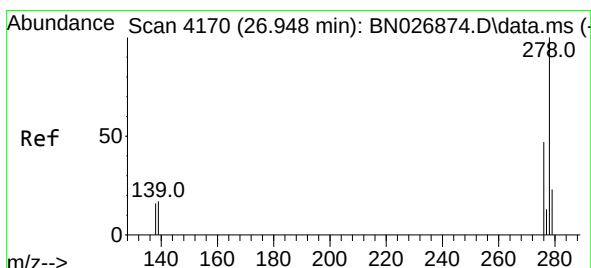
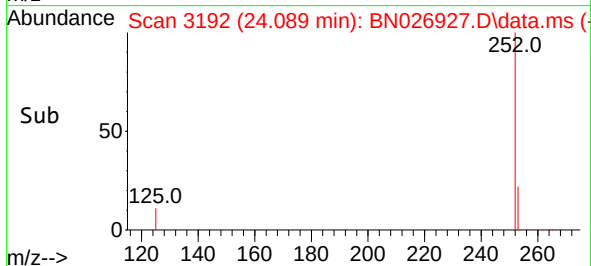
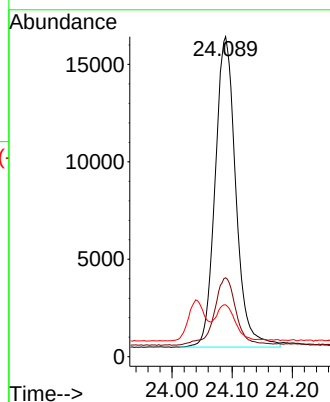
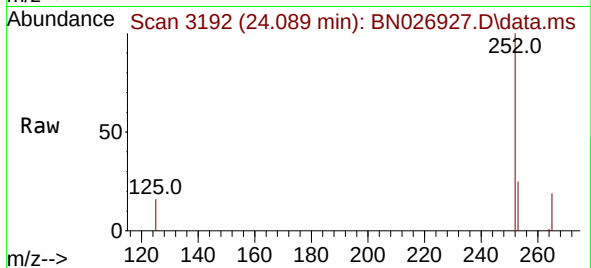
Tgt Ion:252 Resp: 37985

Ion Ratio Lower Upper

252 100

253 24.7 18.6 28.0

125 16.2 11.7 17.5



#40

Dibenzo(a,h)anthracene

Concen: 0.385 ng

RT: 26.928 min Scan# 4163

Delta R.T. -0.006 min

Lab File: BN026927.D

Acq: 16 Aug 2023 11:14

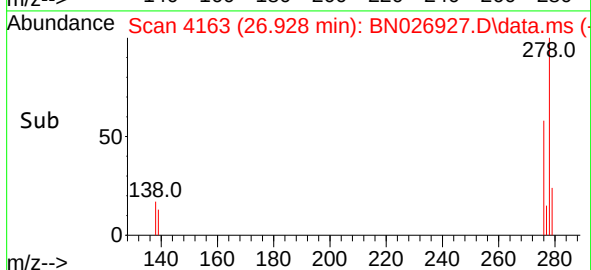
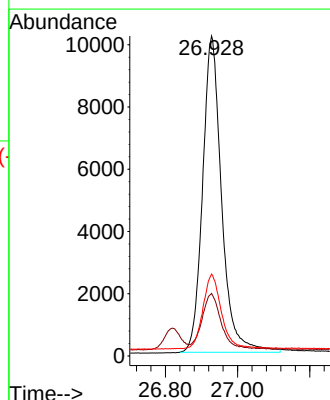
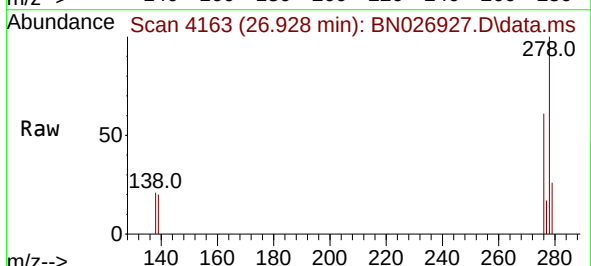
Tgt Ion:278 Resp: 37152

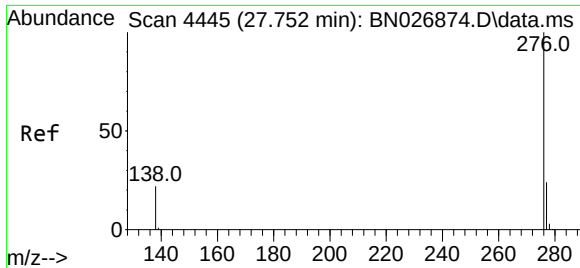
Ion Ratio Lower Upper

278 100

139 19.6 15.3 22.9

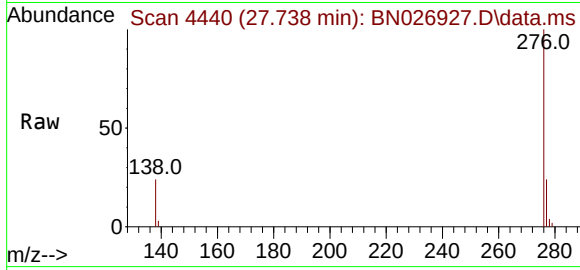
279 25.6 19.9 29.9





#41  
Benzo(g,h,i)perylene  
Concen: 0.397 ng  
RT: 27.738 min Scan# 44  
Delta R.T. -0.000 min  
Lab File: BN026927.D  
Acq: 16 Aug 2023 11:14

Instrument :  
BNA\_N  
ClientSampleId :  
PB154857BS



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 41233 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 24.1  | 19.8  | 29.8  |
| 138      | 24.2  | 19.0  | 28.4  |

