

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061523\  
 Data File : BF133777.D  
 Acq On : 15 Jun 2023 16:16  
 Operator : CG\JU  
 Sample : 03157-01 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-622-COMP-01

Quant Time: Jun 15 17:37:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 15 15:12:57 2023  
 Response via : Initial Calibration

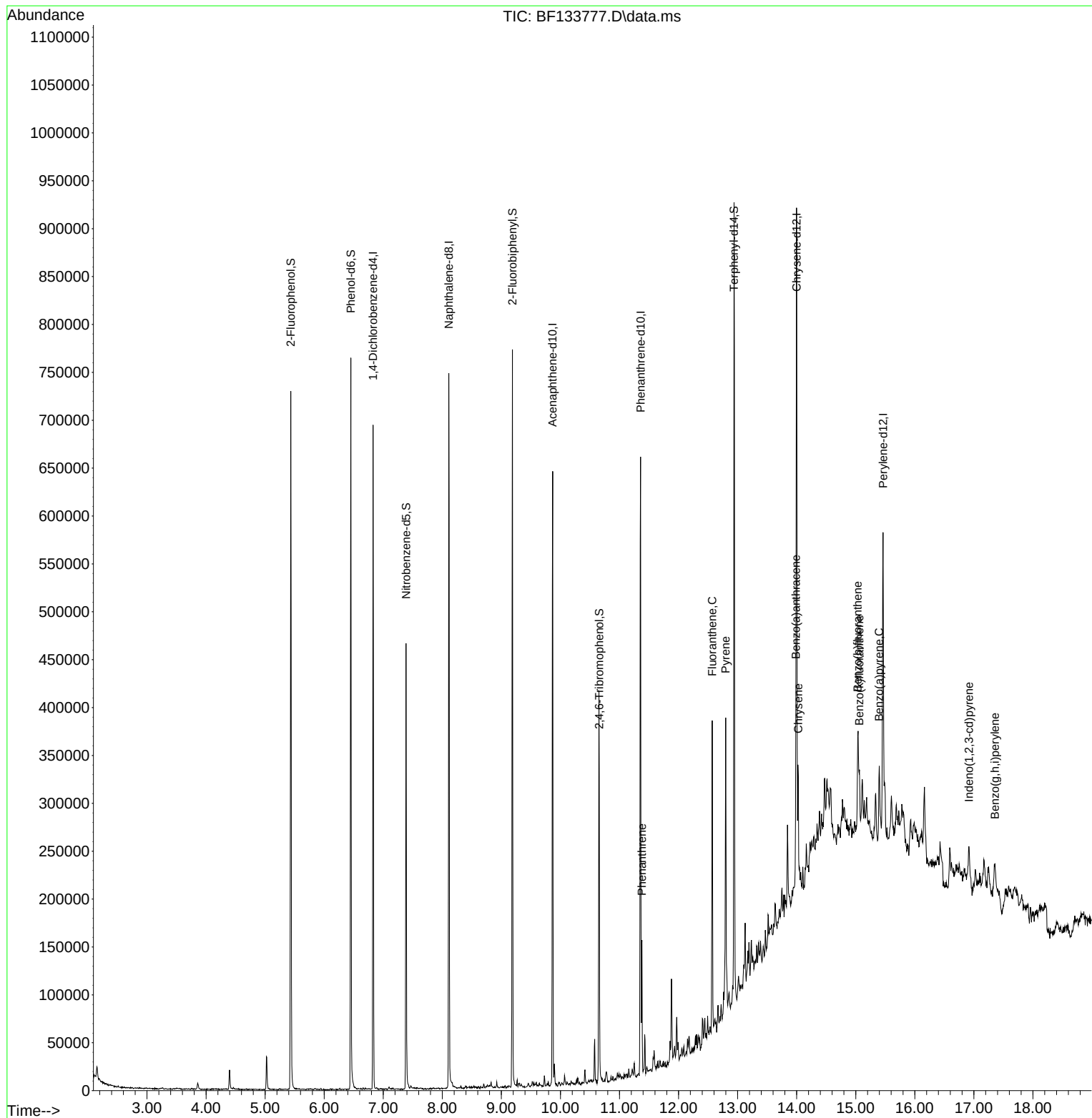
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.828  | 152  | 91120    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.110  | 136  | 314154   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.869  | 164  | 120783   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.357 | 188  | 233925   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.998 | 240  | 210055   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.462 | 264  | 142866   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.434  | 112  | 174938   | 33.423 | ng    | 0.00     |
| 7) Phenol-d6                | 6.451  | 99   | 196909   | 28.902 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.386  | 82   | 122220   | 21.190 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.657 | 330  | 44736    | 29.260 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.186  | 172  | 208894   | 24.585 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.939 | 244  | 282531   | 20.812 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.380 | 178  | 49119    | 4.139  | ng    | 99       |
| 75) Fluoranthene            | 12.569 | 202  | 118326   | 9.389  | ng    | 98       |
| 78) Pyrene                  | 12.798 | 202  | 116452   | 5.951  | ng    | 100      |
| 81) Benzo(a)anthracene      | 13.986 | 228  | 57474    | 3.956  | ng    | 97       |
| 83) Chrysene                | 14.027 | 228  | 54487    | 3.965  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.915 | 276  | 26968    | 2.744  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.033 | 252  | 48174m   | 5.551  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.062 | 252  | 18918m   | 2.238  | ng    |          |
| 90) Benzo(a)pyrene          | 15.398 | 252  | 34653    | 4.302  | ng    | # 90     |
| 92) Benzo(g,h,i)perylene    | 17.356 | 276  | 29309    | 3.633  | ng    | # 91     |
| -----                       |        |      |          |        |       |          |

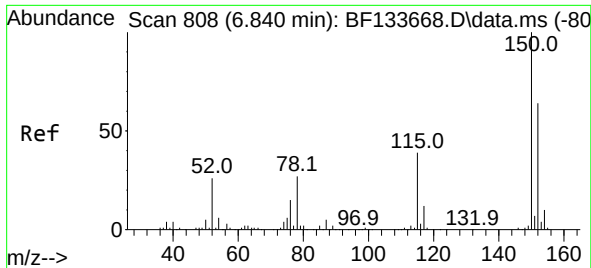
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 15 15:12:57 2023  
Response via : Initial Calibration

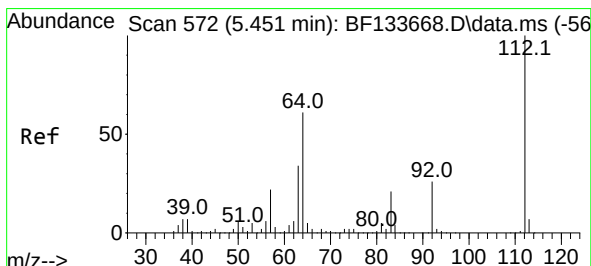
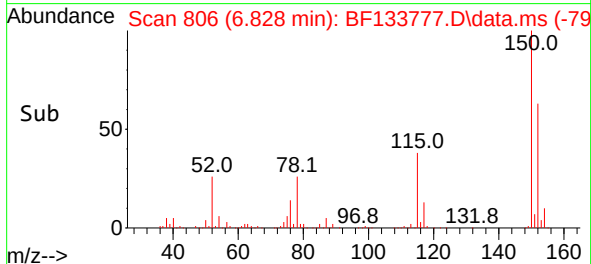
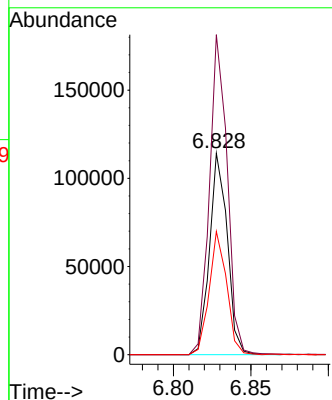
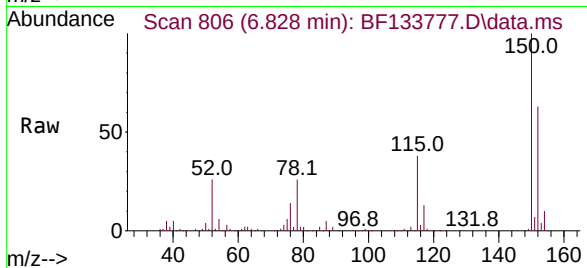




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

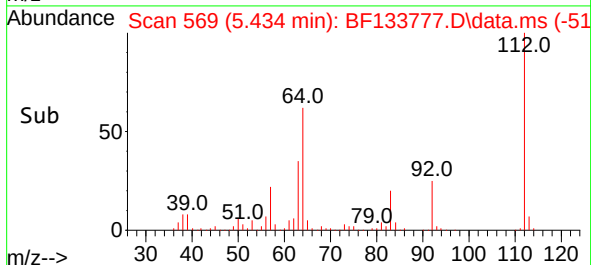
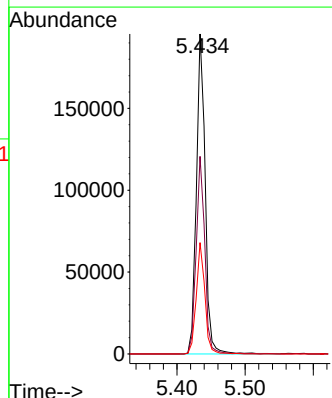
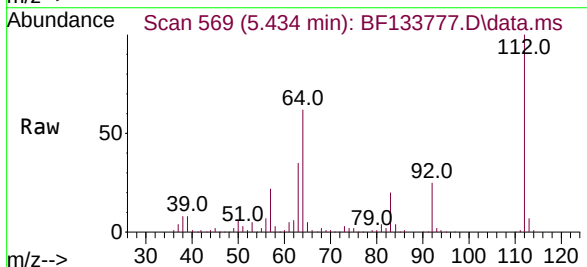
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-COMP-01

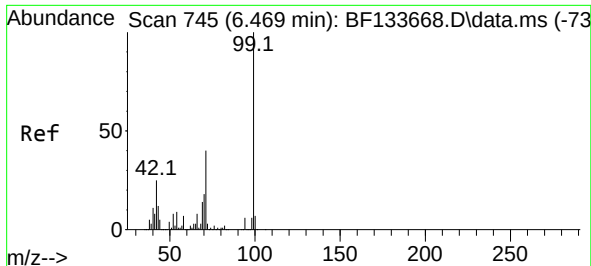
Tgt Ion:152 Resp: 91120  
Ion Ratio Lower Upper  
152 100  
150 158.9 124.3 186.5  
115 61.1 48.5 72.7



#5  
2-Fluorophenol  
Concen: 33.423 ng  
RT: 5.434 min Scan# 569  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

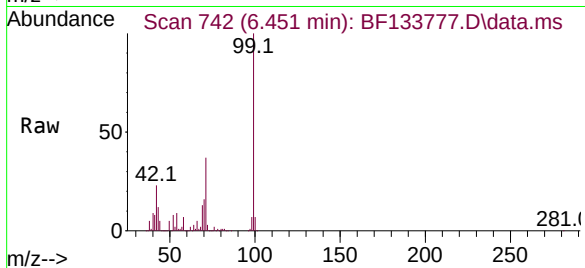
Tgt Ion:112 Resp: 174938  
Ion Ratio Lower Upper  
112 100  
64 61.8 49.0 73.4  
63 34.8 26.8 40.2





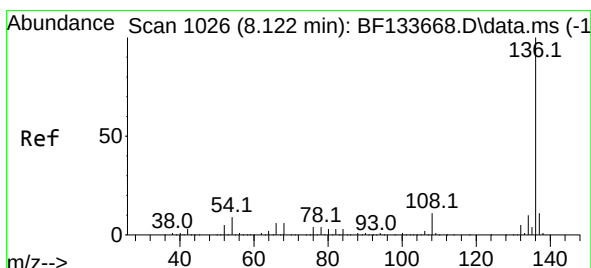
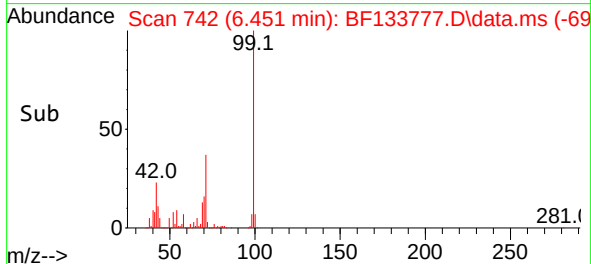
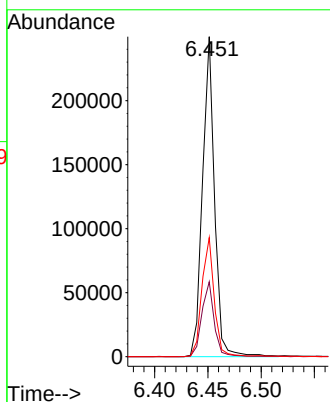
#7  
Phenol-d6  
Concen: 28.902 ng  
RT: 6.451 min Scan# 745  
Delta R.T. -0.012 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

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BNA\_F  
ClientSampleId :  
SU-622-COMP-01



Tgt Ion: 99 Resp: 196909

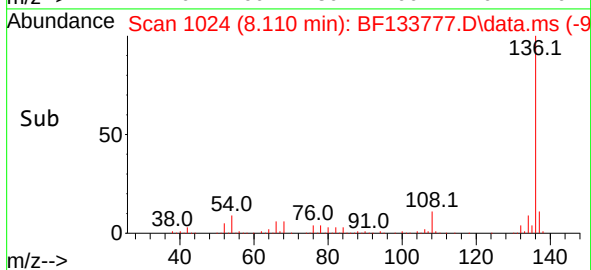
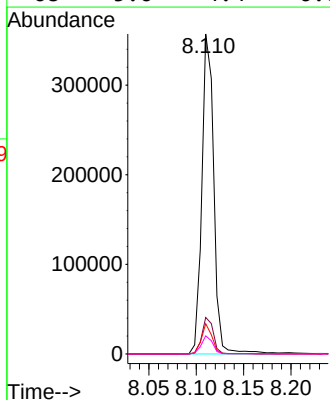
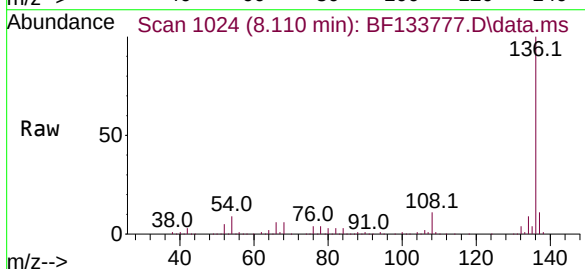
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.4  | 19.9  | 29.9  |
| 71  | 37.2  | 32.2  | 48.4  |

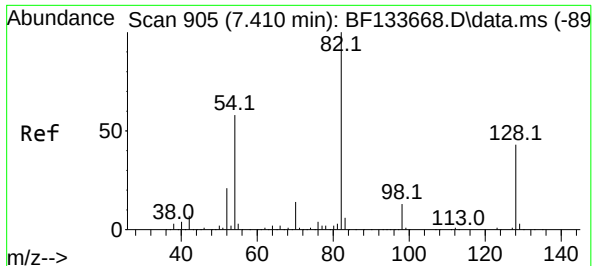


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

Tgt Ion: 136 Resp: 314154

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.8   | 13.2  |
| 54  | 9.5   | 7.4   | 11.0  |
| 68  | 5.6   | 4.4   | 6.6   |





#23

Nitrobenzene-d5

Concen: 21.190 ng

RT: 7.386 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

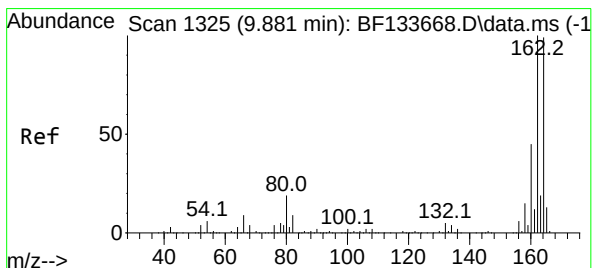
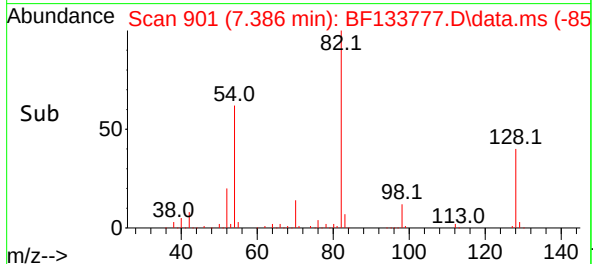
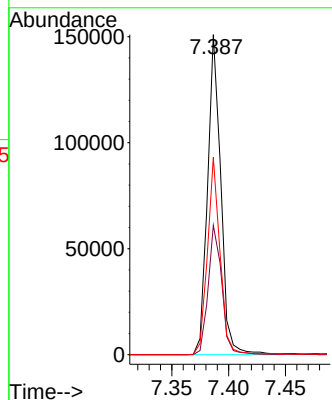
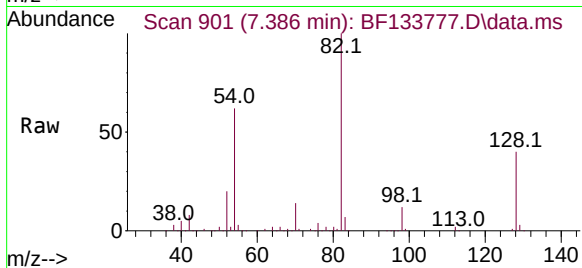
BNA\_F

ClientSampleId :

SU-622-COMP-01

Tgt Ion: 82 Resp: 122220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.5  | 34.2  | 51.2  |
| 54  | 61.7  | 46.5  | 69.7  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

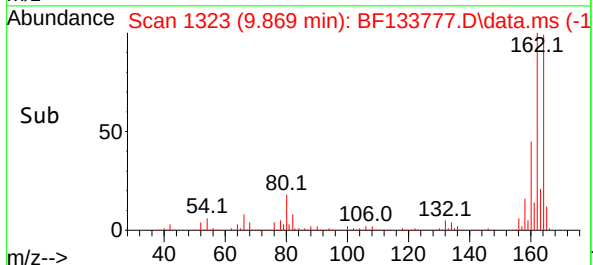
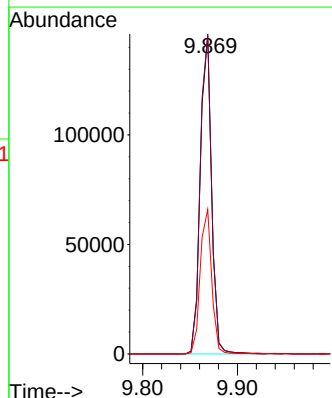
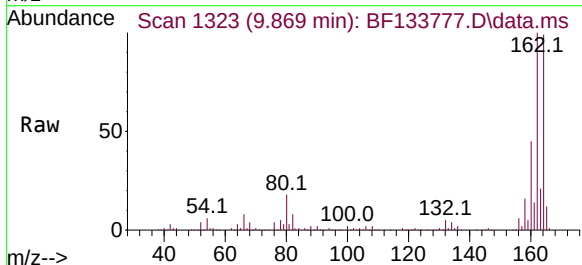
Delta R.T. -0.000 min

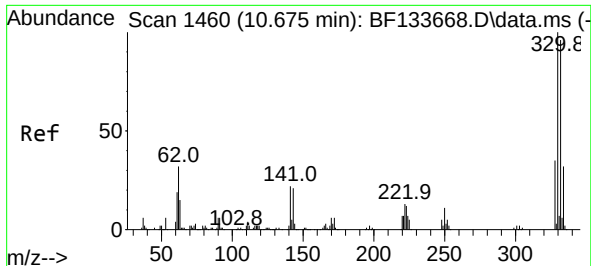
Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Tgt Ion:164 Resp: 120783

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.5 | 80.8  | 121.2 |
| 160 | 45.4  | 36.7  | 55.1  |





#42

2,4,6-Tribromophenol

Concen: 29.260 ng

RT: 10.657 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF133777.D

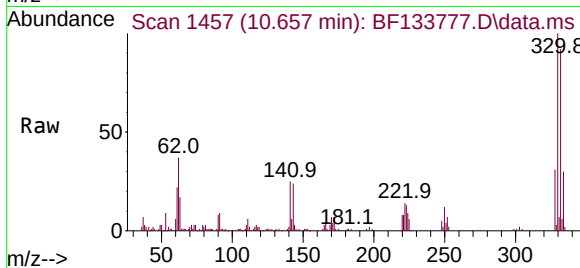
Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01



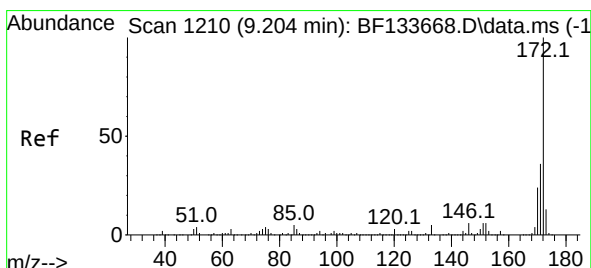
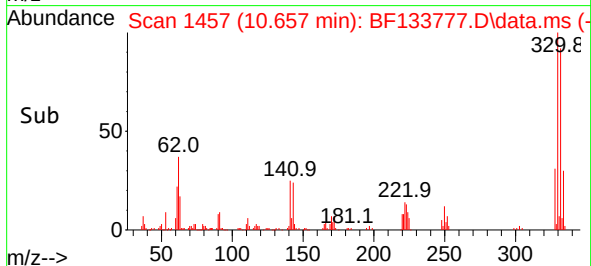
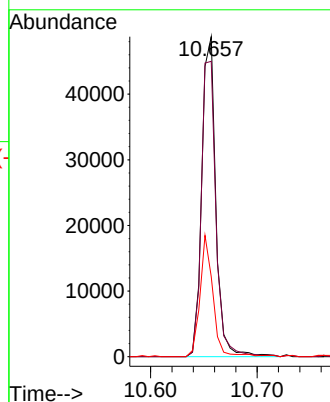
Tgt Ion:330 Resp: 44736

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

141 35.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 24.585 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

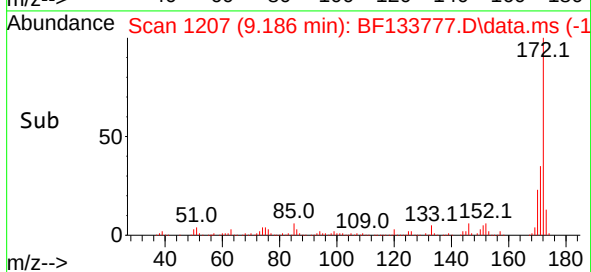
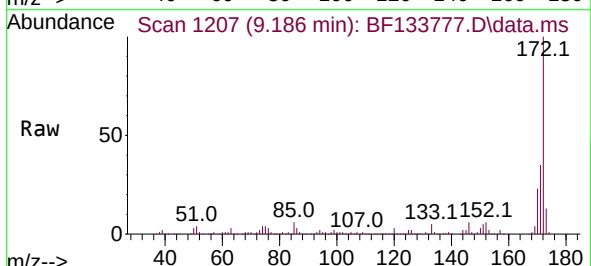
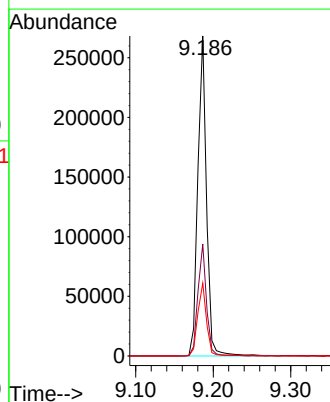
Tgt Ion:172 Resp: 208894

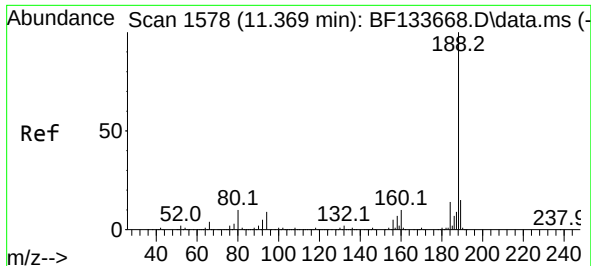
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 22.8 19.1 28.7

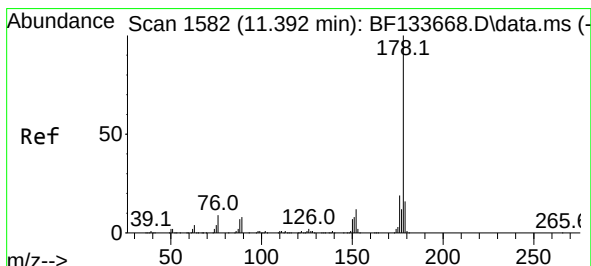
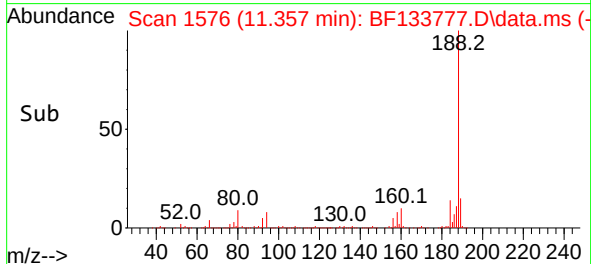
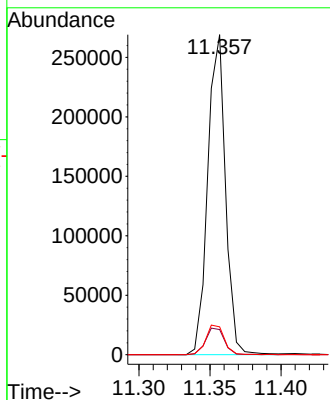
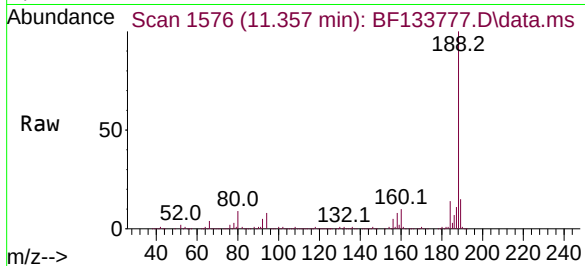




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

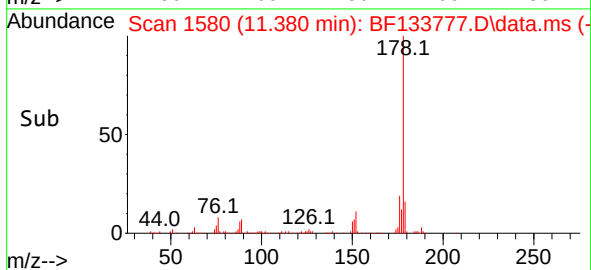
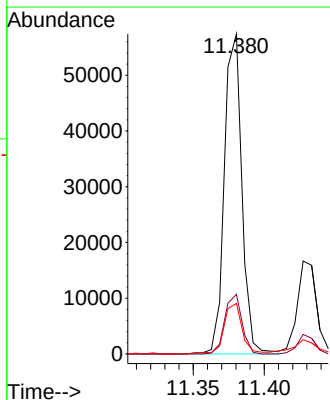
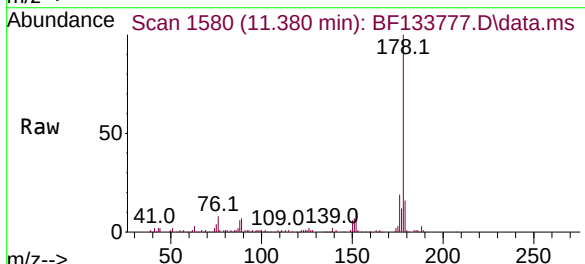
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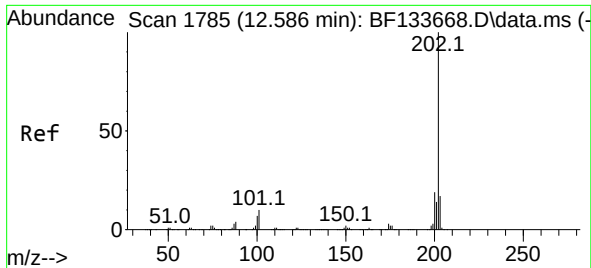
Tgt Ion:188 Resp: 233925  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.8 10.2  
80 8.7 7.8 11.6



#71  
Phenanthrene  
Concen: 4.139 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

Tgt Ion:178 Resp: 49119  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.6 23.4  
179 15.8 12.4 18.6

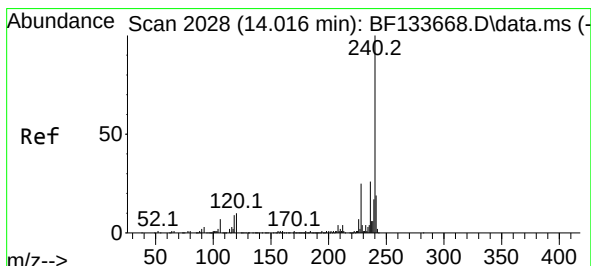
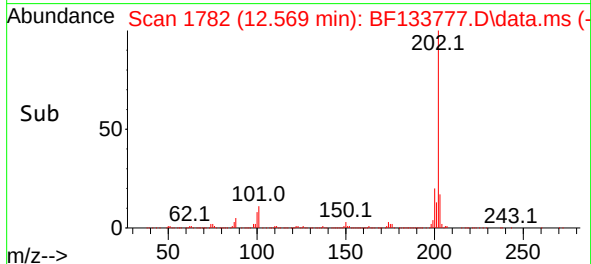
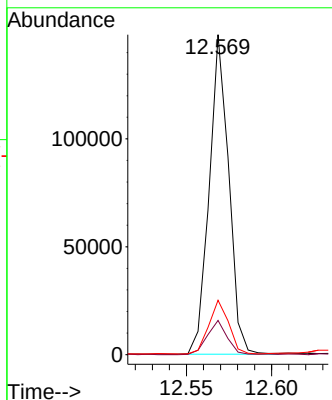
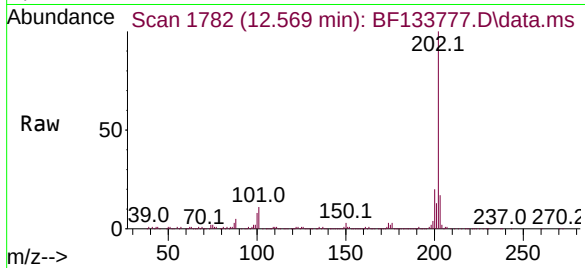




#75  
Fluoranthene  
Concen: 9.389 ng  
RT: 12.569 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

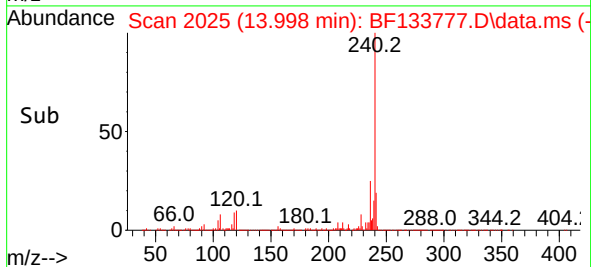
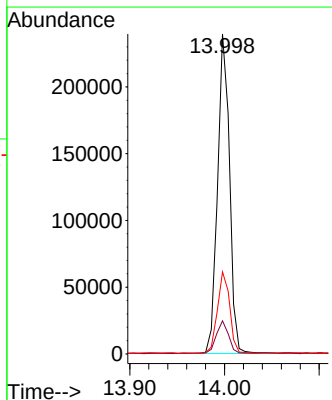
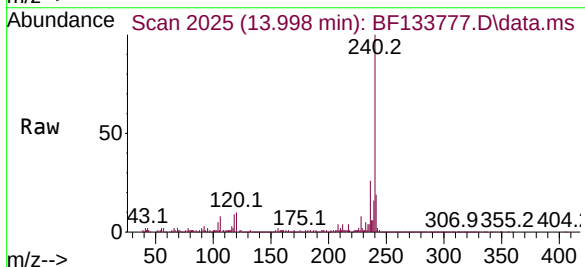
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-COMP-01

Tgt Ion:202 Resp: 118326  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 29.6  
203 17.0 0.0 37.4

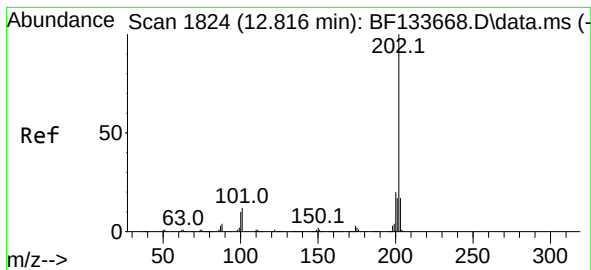


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.006 min  
Lab File: BF133777.D  
Acq: 15 Jun 2023 16:16

Tgt Ion:240 Resp: 210055  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.1 12.1  
236 25.7 20.5 30.7







#78

Pyrene

Concen: 5.951 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01

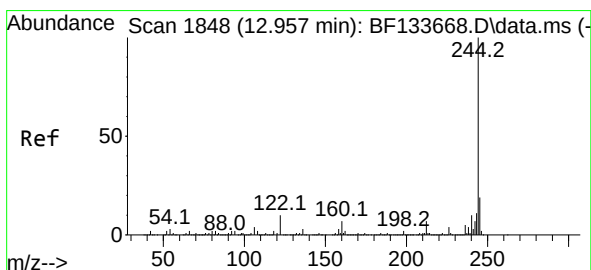
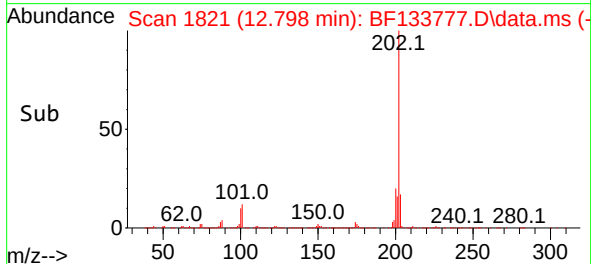
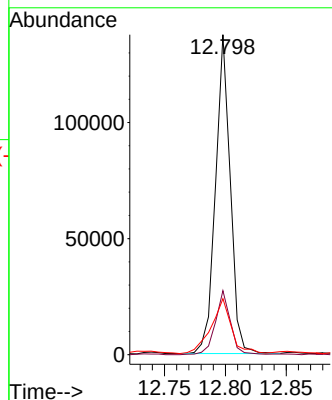
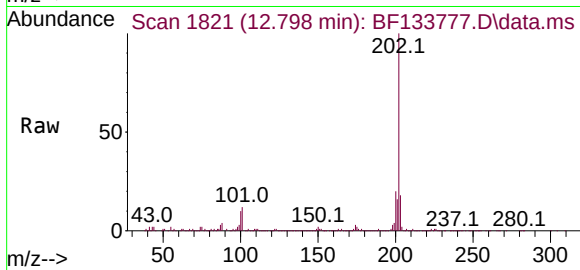
Tgt Ion:202 Resp: 116452

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 17.5 13.9 20.9



#79

Terphenyl-d14

Concen: 20.812 ng

RT: 12.939 min Scan# 1845

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

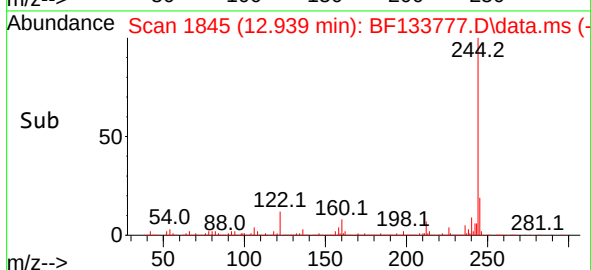
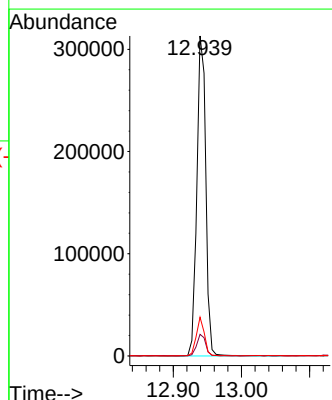
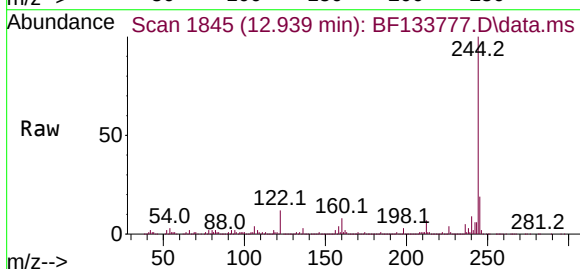
Tgt Ion:244 Resp: 282531

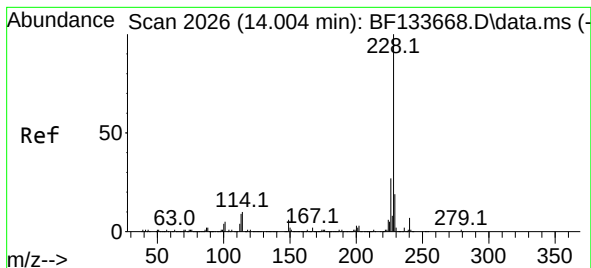
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 12.1 8.1 12.1





#81

Benzo(a)anthracene

Concen: 3.956 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01

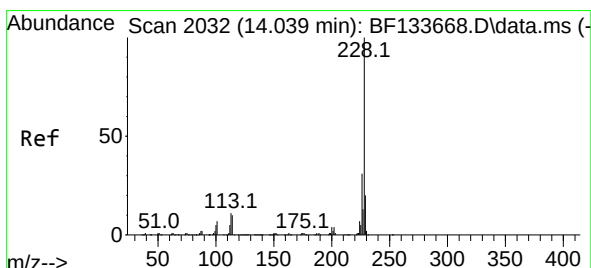
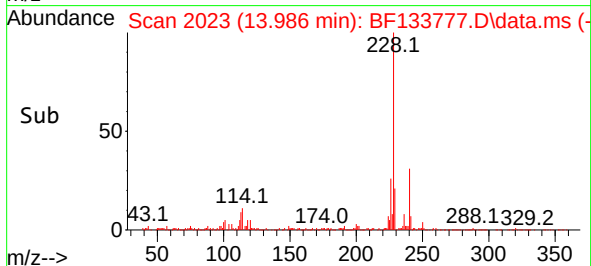
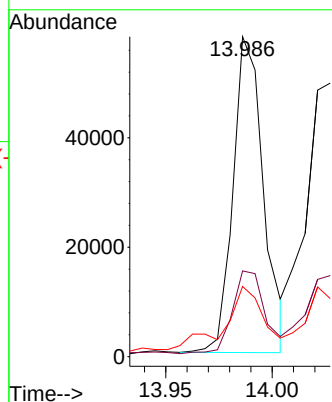
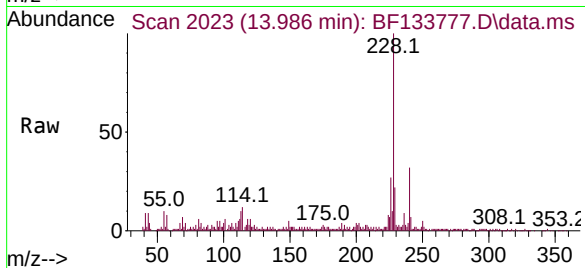
Tgt Ion:228 Resp: 57474

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 21.9 15.4 23.2



#83

Chrysene

Concen: 3.965 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

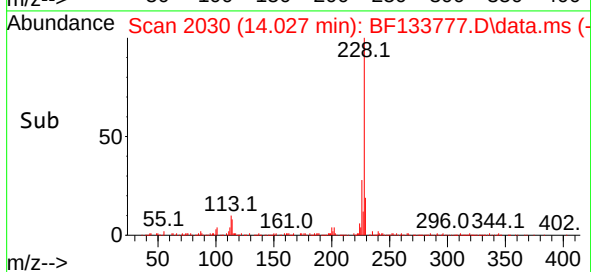
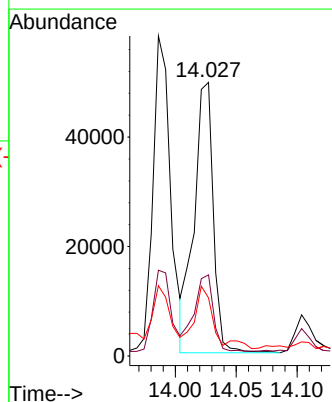
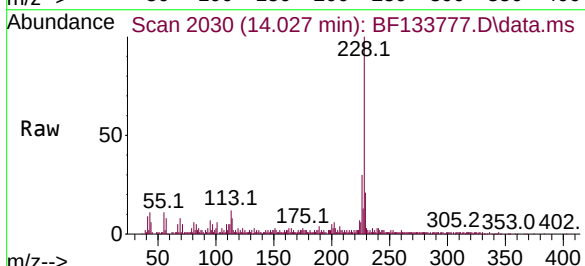
Tgt Ion:228 Resp: 54487

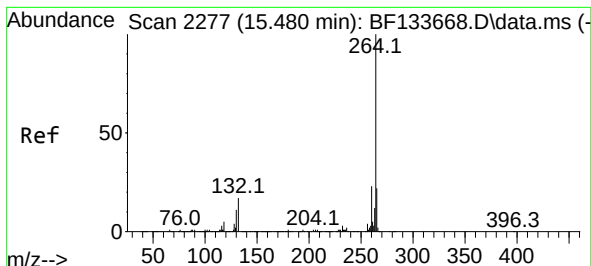
Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01

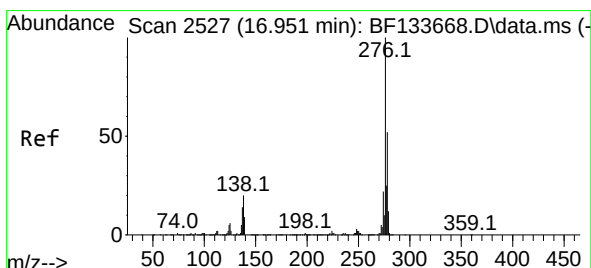
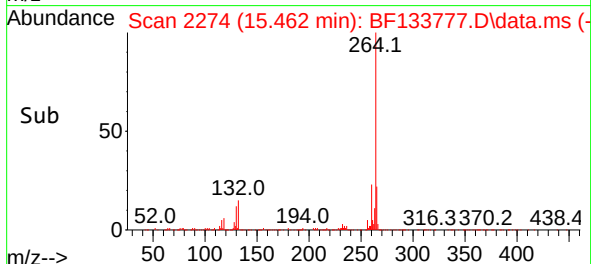
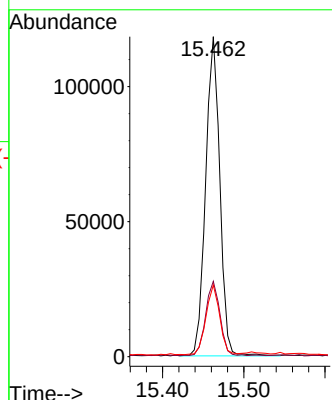
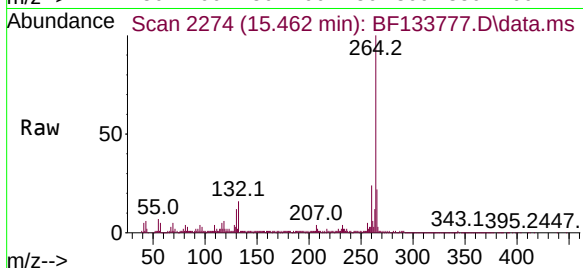
Tgt Ion:264 Resp: 142866

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

265 22.4 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.744 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

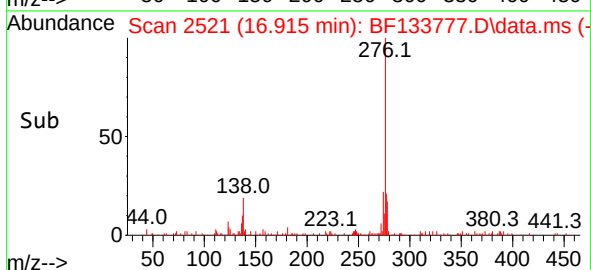
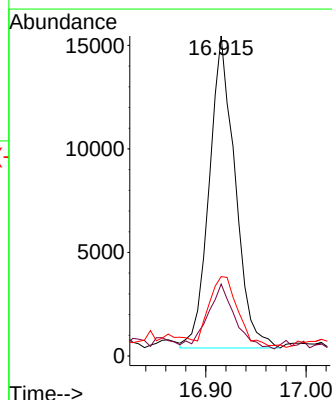
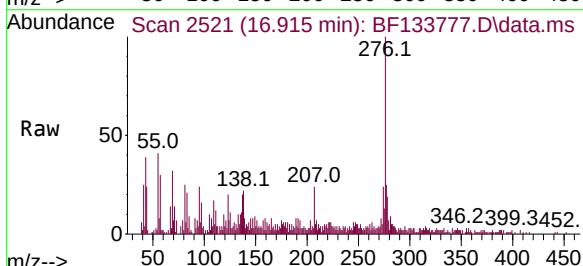
Tgt Ion:276 Resp: 26968

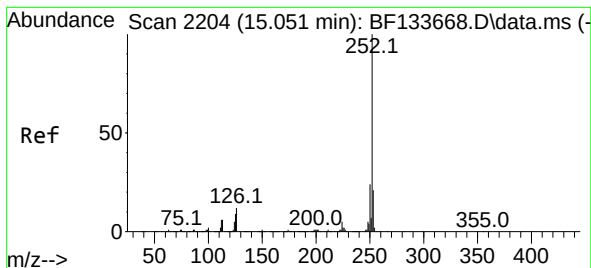
Ion Ratio Lower Upper

276 100

138 22.1 17.9 26.9

277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.551 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01

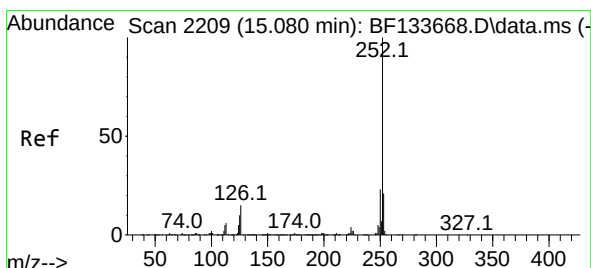
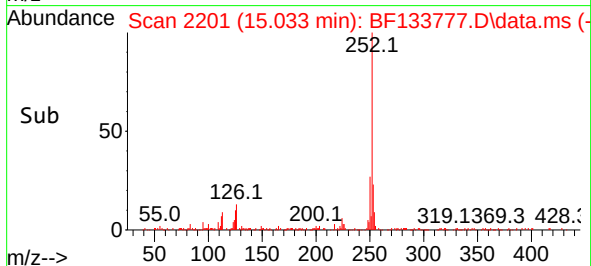
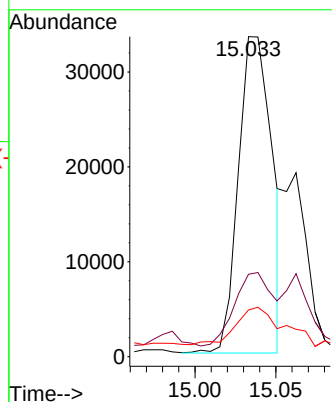
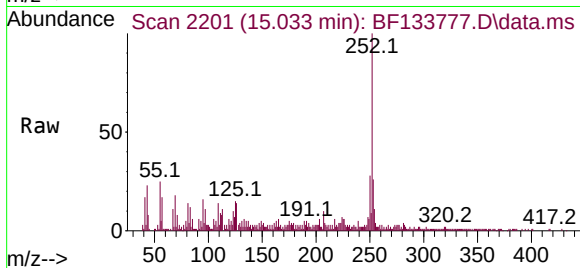
Tgt Ion:252 Resp: 48174

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

125 14.6 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 2.238 ng m

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

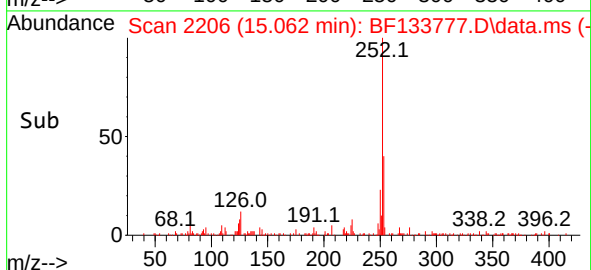
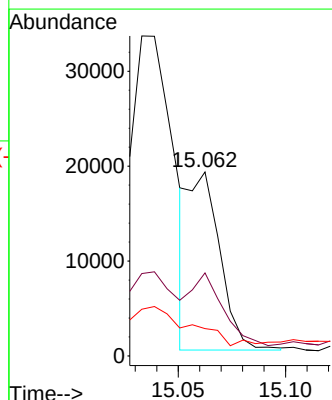
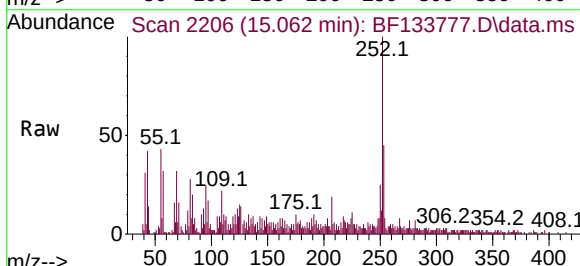
Tgt Ion:252 Resp: 18918

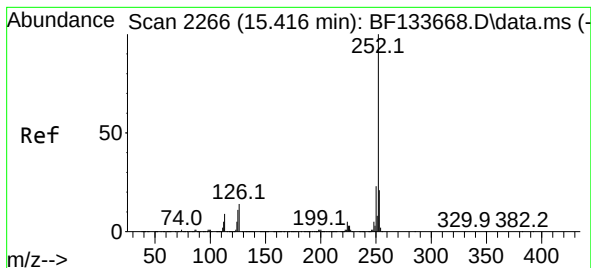
Ion Ratio Lower Upper

252 100

253 45.2 17.0 25.4#

125 14.9 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 4.302 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Instrument :

BNA\_F

ClientSampleId :

SU-622-COMP-01

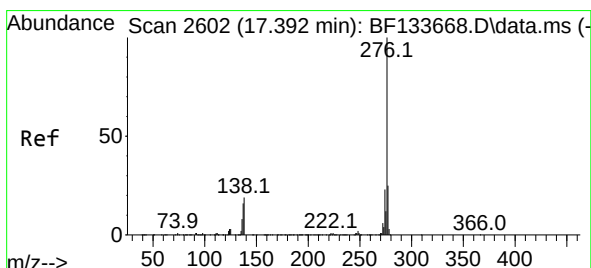
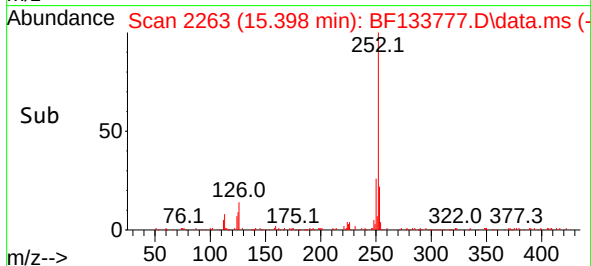
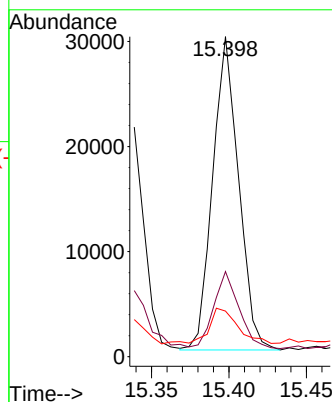
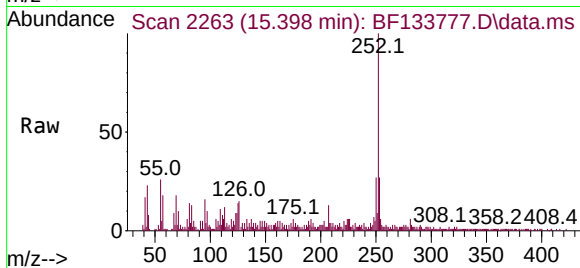
Tgt Ion:252 Resp: 34653

Ion Ratio Lower Upper

252 100

253 26.6 17.1 25.7#

125 14.3 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 3.633 ng

RT: 17.356 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF133777.D

Acq: 15 Jun 2023 16:16

Tgt Ion:276 Resp: 29309

Ion Ratio Lower Upper

276 100

277 27.2 19.8 29.8

138 25.6 15.0 22.4#

