

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060622\  
 Data File : BP010705.D  
 Acq On : 06 Jun 2022 16:18  
 Operator : CG/JU  
 Sample : N3139-01DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-1DL

Quant Time: Jun 07 05:17:11 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 15:39:44 2022  
 Response via : Initial Calibration

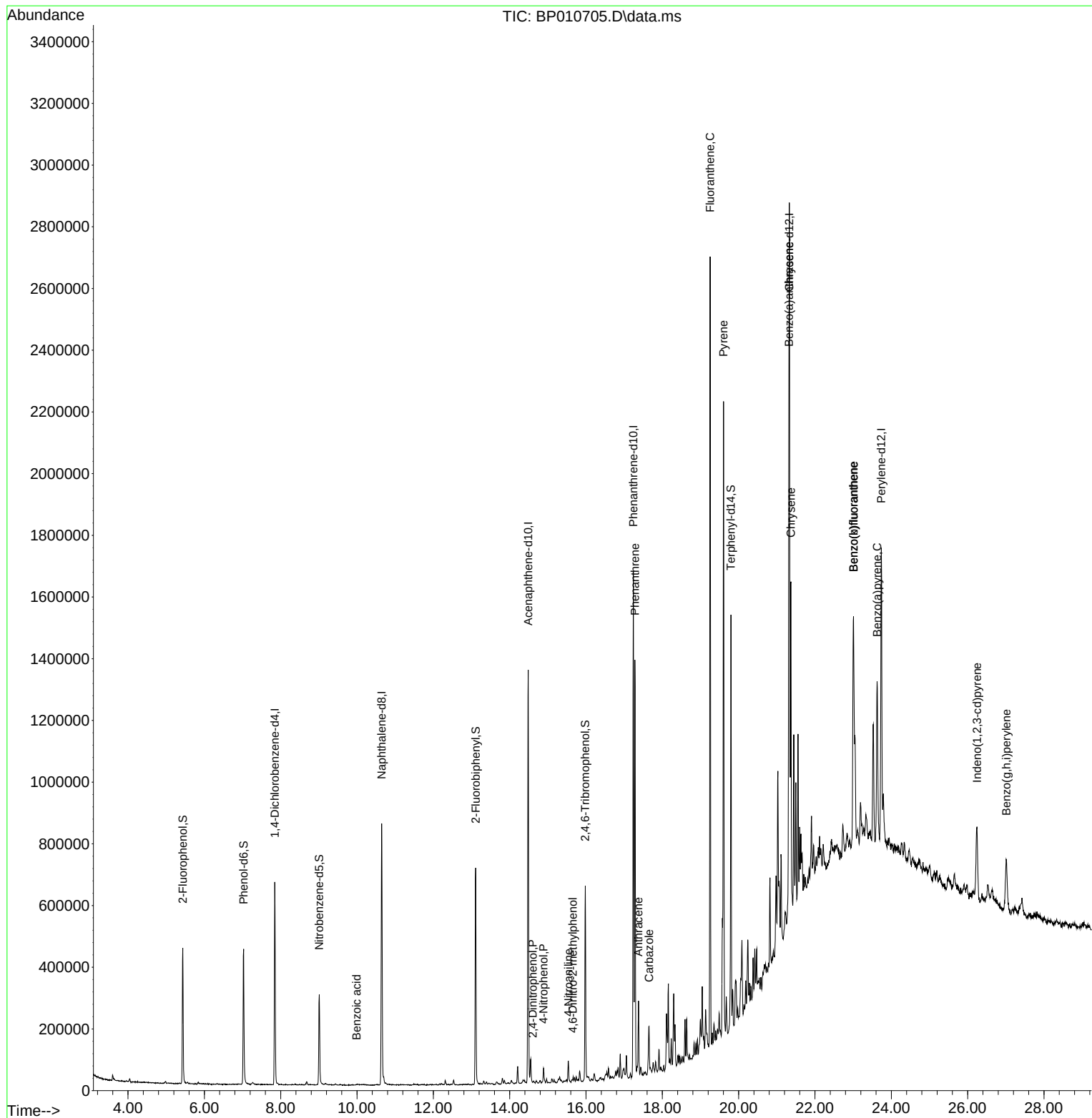
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.846  | 152  | 164178   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.646 | 136  | 680063   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.486 | 164  | 448507   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 928831   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.327 | 240  | 867818   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.739 | 264  | 721641   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 173148   | 19.240 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.028  | 99   | 250543   | 19.610 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.010  | 82   | 173317   | 12.049 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 106513   | 20.980 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.110 | 172  | 363552   | 11.504 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.798 | 244  | 585686   | 12.677 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 32) Benzoic acid              | 9.987  | 122  | 539      | 7.397  | ng    | # 60     |
| 54) 2,4-Dinitrophenol         | 14.604 | 184  | 8        | 6.647  | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.886 | 139  | 10543    | 5.377  | ng    | # 1      |
| 62) 4-Nitroaniline            | 15.539 | 138  | 456      | 2.194  | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 198  | 26       | 4.607  | ng    | # 1      |
| 71) Phenanthrene              | 17.280 | 178  | 776507   | 15.245 | ng    | 100      |
| 72) Anthracene                | 17.375 | 178  | 146102   | 2.995  | ng    | 100      |
| 73) Carbazole                 | 17.651 | 167  | 92215    | 2.225  | ng    | 99       |
| 75) Fluoranthene              | 19.251 | 202  | 1394941  | 25.214 | ng    | 98       |
| 78) Pyrene                    | 19.604 | 202  | 1181887  | 19.542 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.316 | 228  | 668258   | 11.736 | ng    | 98       |
| 83) Chrysene                  | 21.369 | 228  | 606013   | 10.851 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.245 | 276  | 241229   | 4.585  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 23.010 | 252  | 676627   | 14.892 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.010 | 252  | 676627   | 14.691 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.627 | 252  | 408781   | 10.877 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.015 | 276  | 238679   | 5.456  | ng    | 99       |
| -----                         |        |      |          |        |       |          |

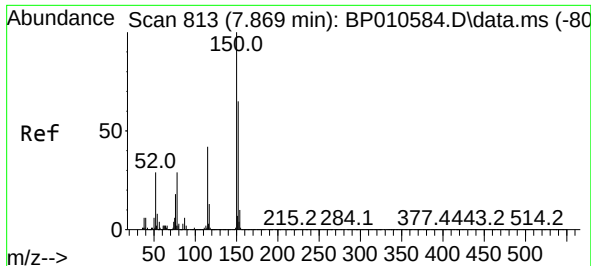
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP060622\  
Data File : BP010705.D  
Acq On : 06 Jun 2022 16:18  
Operator : CG/JU  
Sample : N3139-01DL 5X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

Quant Time: Jun 07 05:17:11 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP052822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 06 15:39:44 2022  
Response via : Initial Calibration

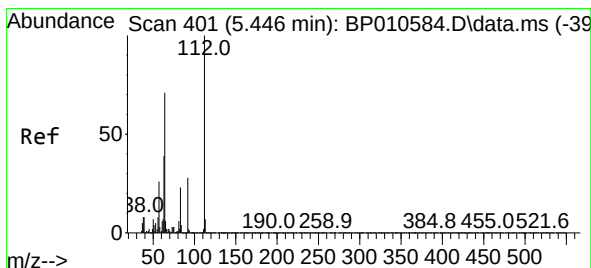
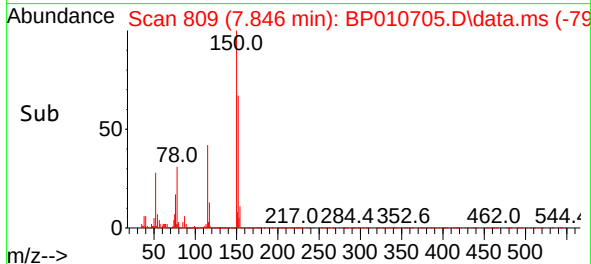
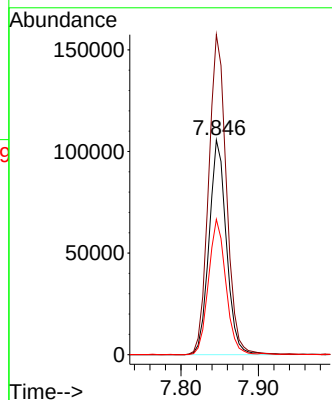
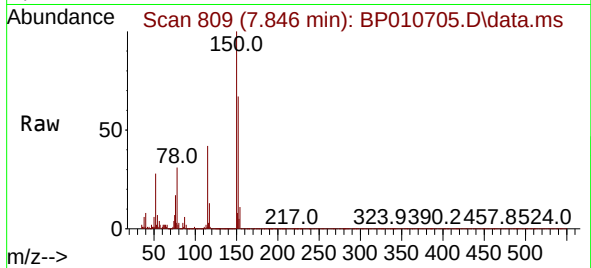




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.846 min Scan# 809  
 Delta R.T. -0.006 min  
 Lab File: BP010705.D  
 Acq: 06 Jun 2022 16:18

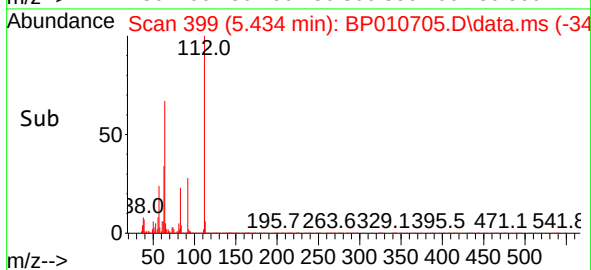
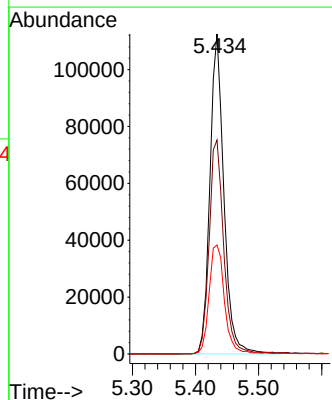
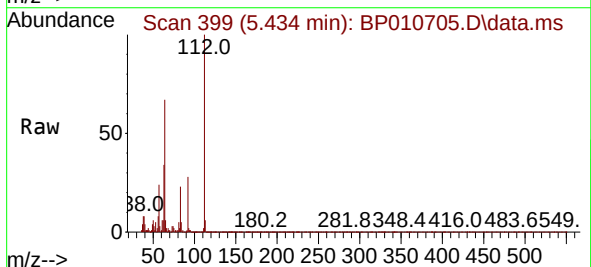
Instrument :  
 BNA\_P  
 ClientSampleId :  
 COMP-1DL

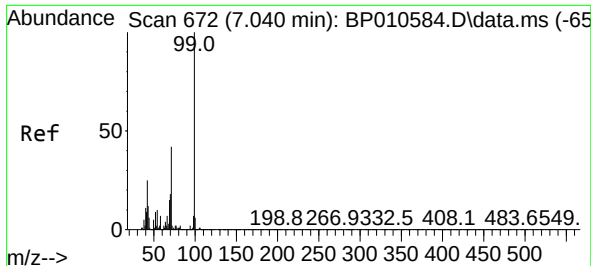
Tgt Ion:152 Resp: 164178  
 Ion Ratio Lower Upper  
 152 100  
 150 149.0 123.4 185.2  
 115 63.0 51.3 76.9



#5  
 2-Fluorophenol  
 Concen: 19.240 ng  
 RT: 5.434 min Scan# 399  
 Delta R.T. -0.000 min  
 Lab File: BP010705.D  
 Acq: 06 Jun 2022 16:18

Tgt Ion:112 Resp: 173148  
 Ion Ratio Lower Upper  
 112 100  
 64 66.9 56.9 85.3  
 63 34.1 31.2 46.8

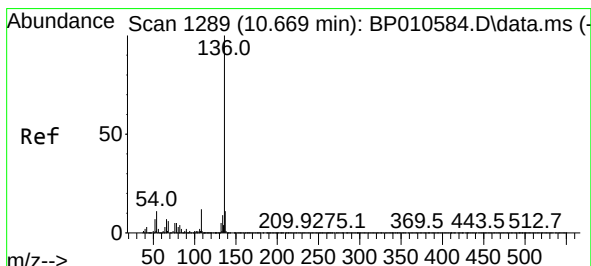
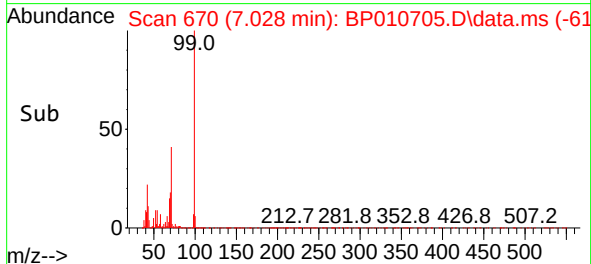
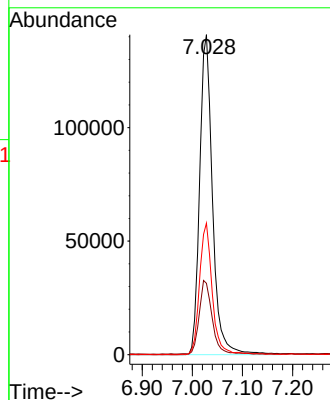
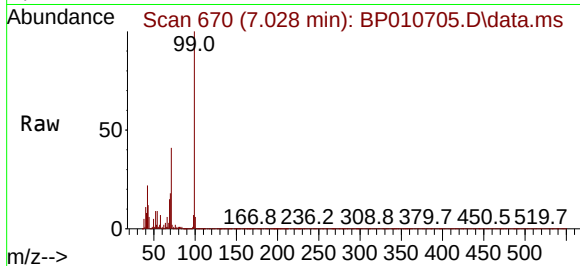




#7  
Phenol-d6  
Concen: 19.610 ng  
RT: 7.028 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

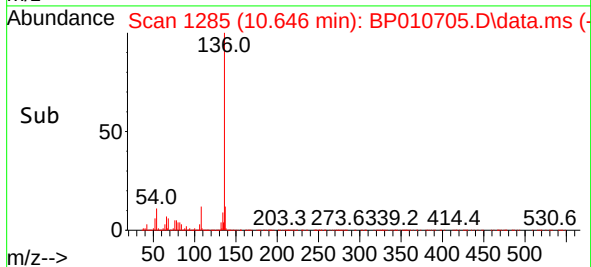
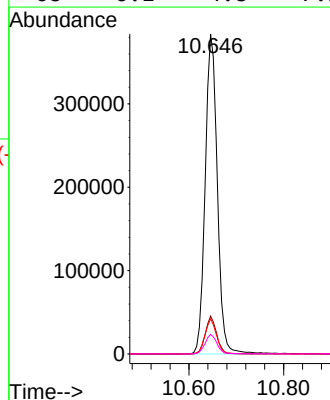
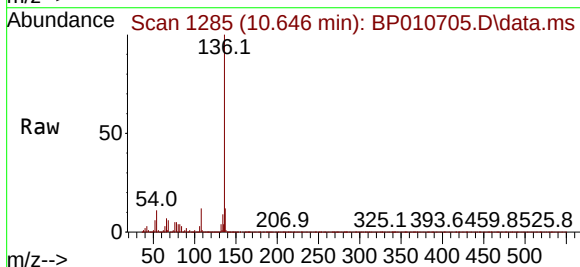
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

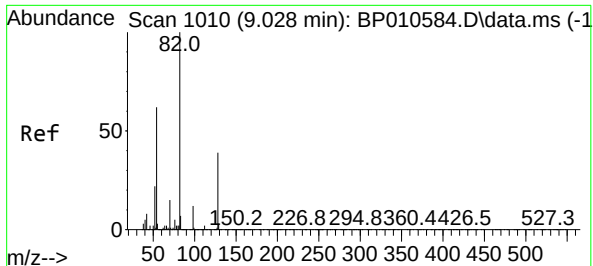
Tgt Ion: 99 Resp: 250543  
Ion Ratio Lower Upper  
99 100  
42 22.3 20.3 30.5  
71 41.1 33.9 50.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.646 min Scan# 1285  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:136 Resp: 680063  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.0 13.4  
54 10.9 8.7 13.1  
68 6.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 12.049 ng

RT: 9.010 min Scan# 1107

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL

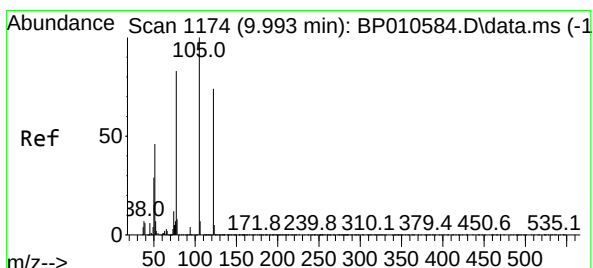
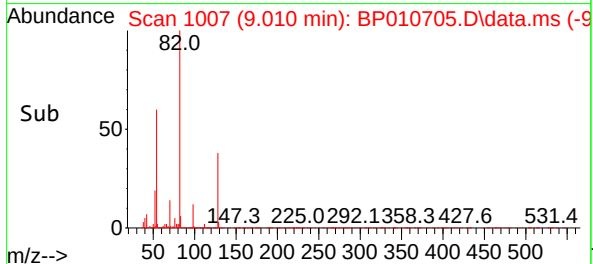
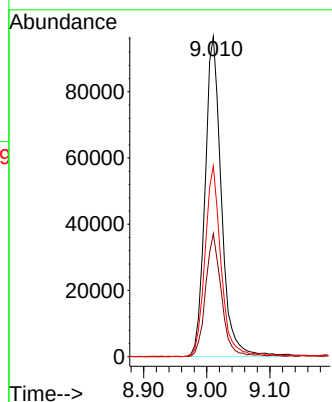
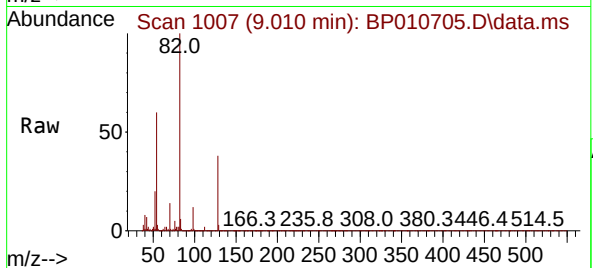
Tgt Ion: 82 Resp: 173317

Ion Ratio Lower Upper

82 100

128 38.5 31.3 46.9

54 59.6 49.8 74.8



#32

Benzoic acid

Concen: 7.397 ng

RT: 9.987 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

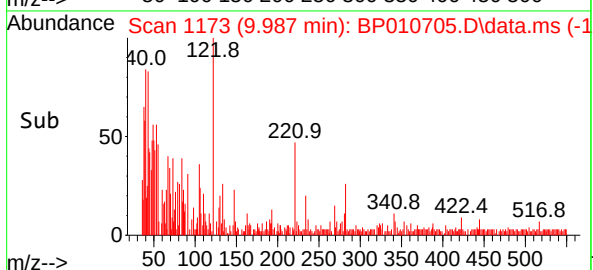
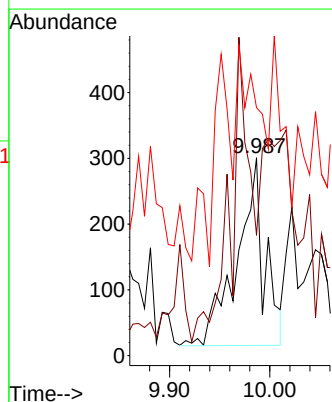
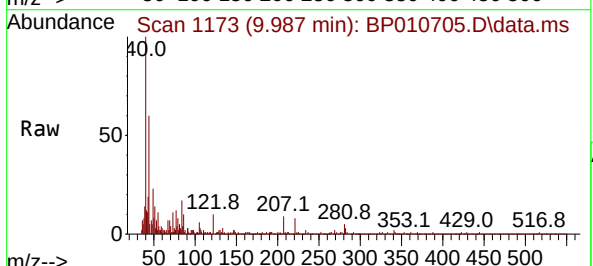
Tgt Ion: 122 Resp: 539

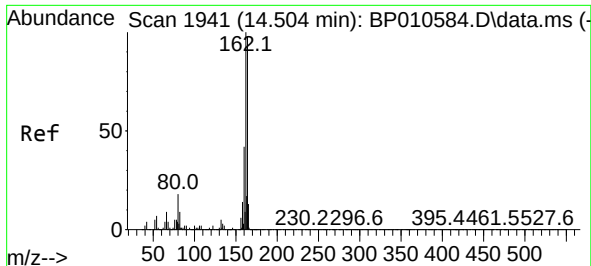
Ion Ratio Lower Upper

122 100

105 60.8 112.6 152.6#

77 125.2 90.2 130.2

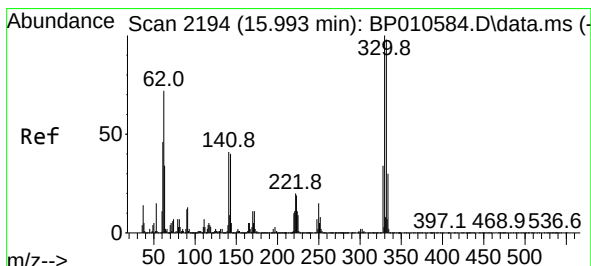
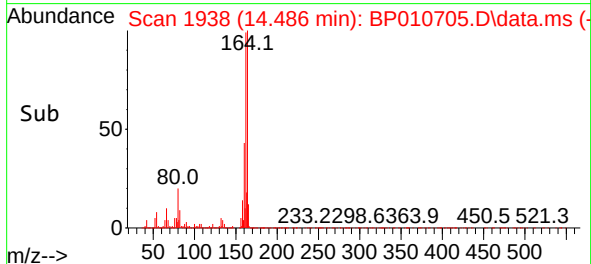
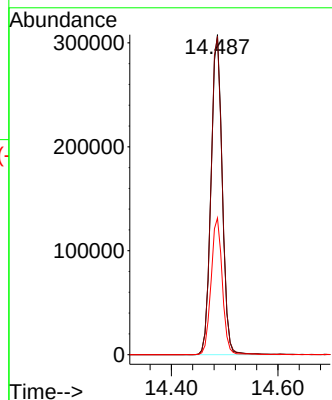
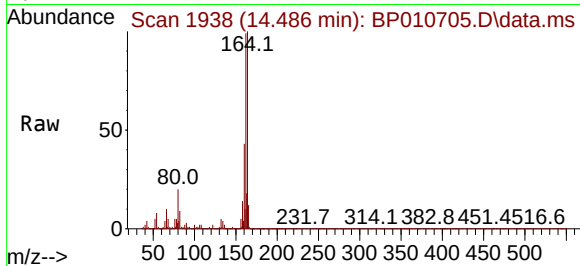




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.486 min Scan# 1938  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

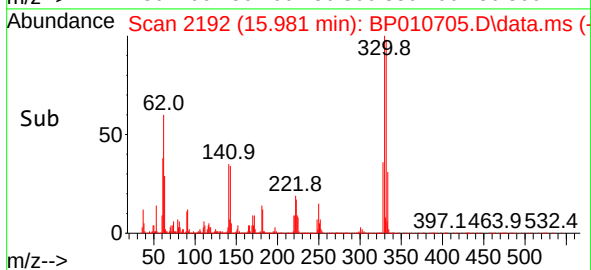
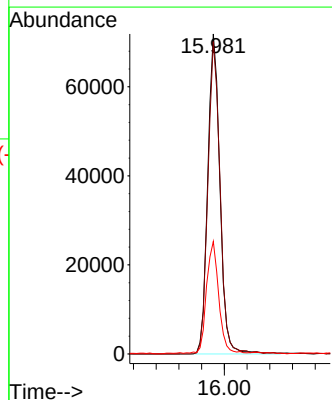
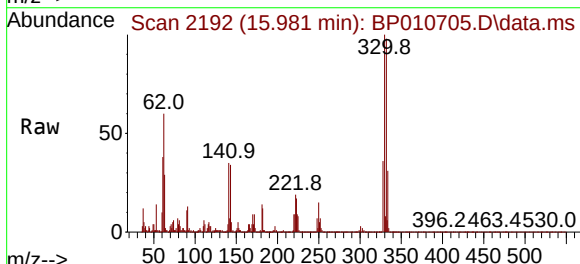
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

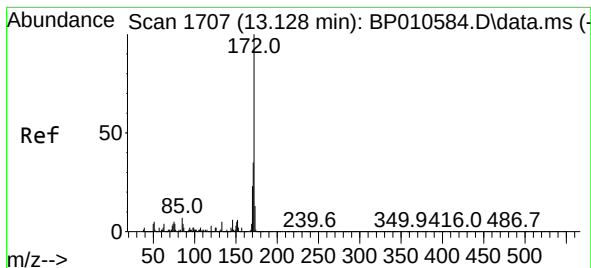
Tgt Ion:164 Resp: 448507  
Ion Ratio Lower Upper  
164 100  
162 99.4 81.9 122.9  
160 42.7 34.6 51.8



#42  
2,4,6-Tribromophenol  
Concen: 20.980 ng  
RT: 15.981 min Scan# 2192  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:330 Resp: 106513  
Ion Ratio Lower Upper  
330 100  
332 97.0 78.1 117.1  
141 35.1 31.4 47.2





#45

2-Fluorobiphenyl

Concen: 11.504 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL

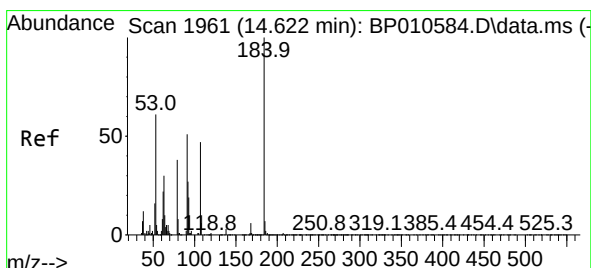
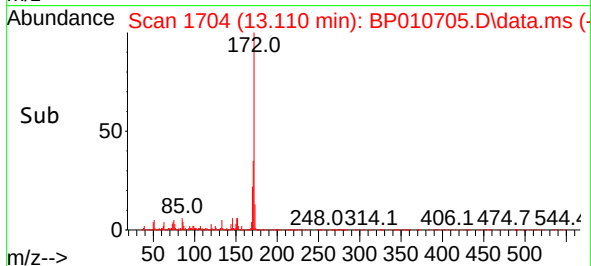
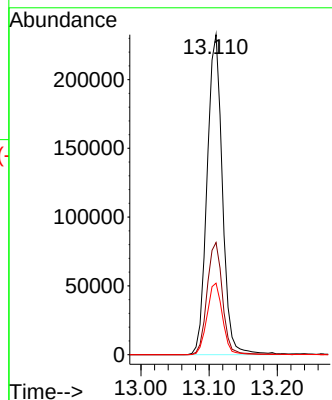
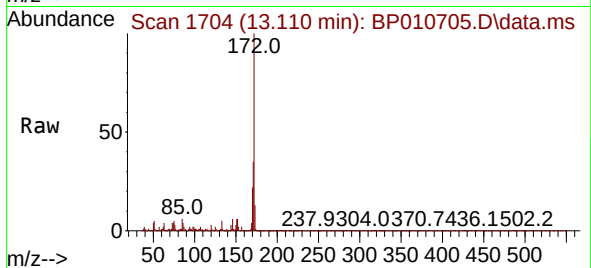
Tgt Ion:172 Resp: 363552

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

170 22.4 18.2 27.2



#54

2,4-Dinitrophenol

Concen: 6.647 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

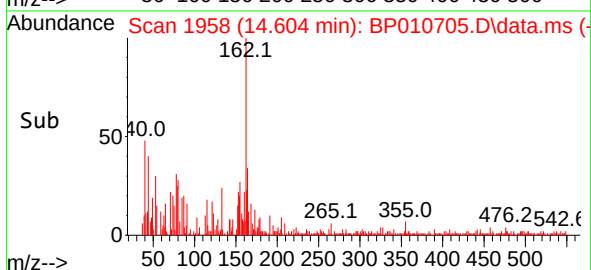
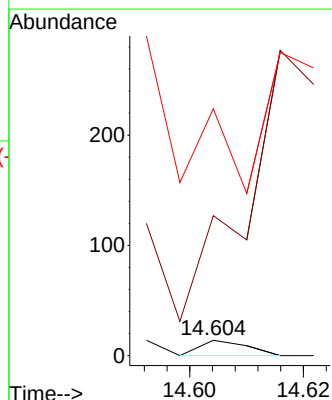
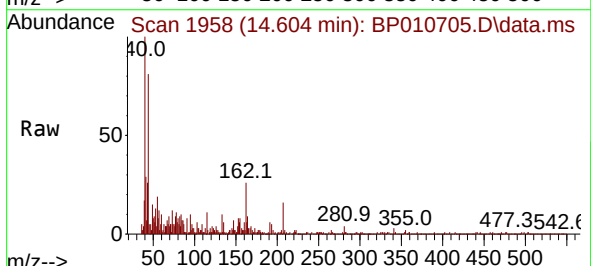
Tgt Ion:184 Resp: 8

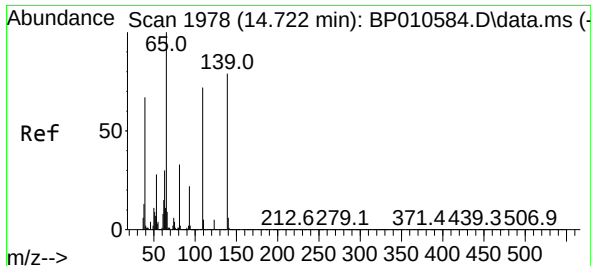
Ion Ratio Lower Upper

184 100

63 907.1 65.4 98.2#

154 1600.0 55.4 83.2#

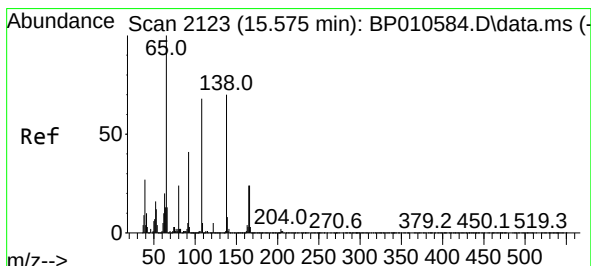
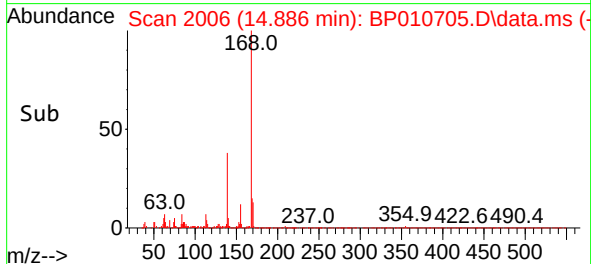
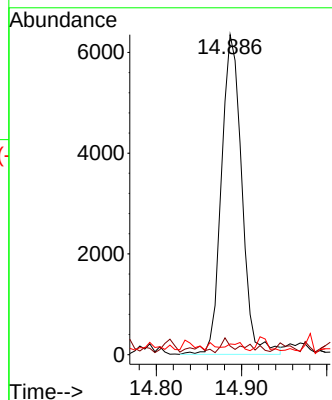
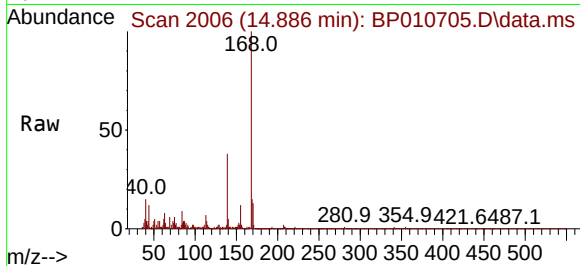




#56  
4-Nitrophenol  
Concen: 5.377 ng  
RT: 14.886 min Scan# 2011  
Delta R.T. 0.164 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

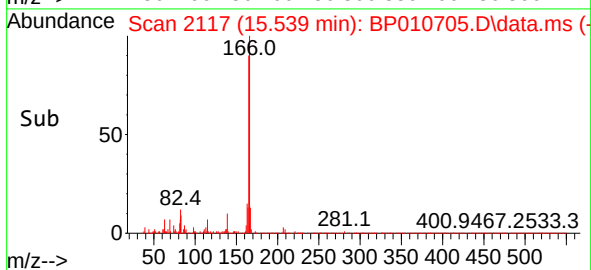
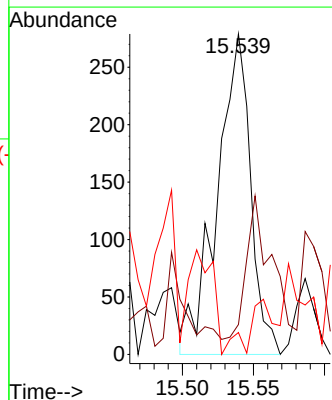
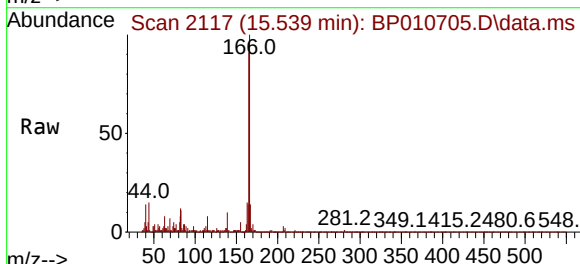
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

Tgt Ion:139 Resp: 10543  
Ion Ratio Lower Upper  
139 100  
109 2.7 70.6 110.6#  
65 3.3 106.6 146.6#

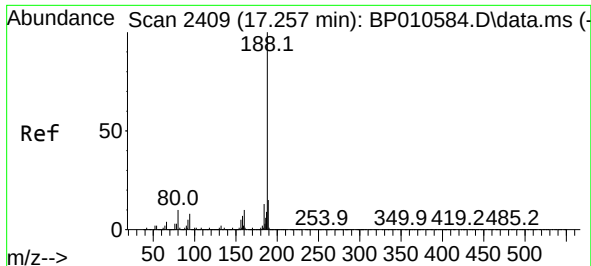


#62  
4-Nitroaniline  
Concen: 2.194 ng  
RT: 15.539 min Scan# 2117  
Delta R.T. -0.024 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:138 Resp: 456  
Ion Ratio Lower Upper  
138 100  
92 9.3 38.0 78.0#  
108 6.8 77.6 117.6#



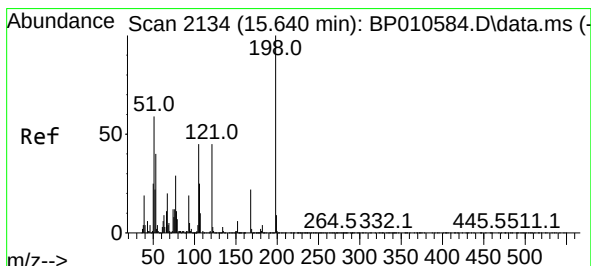
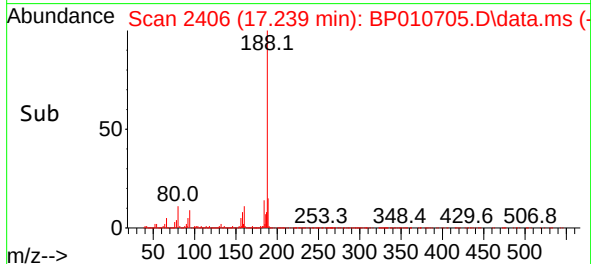
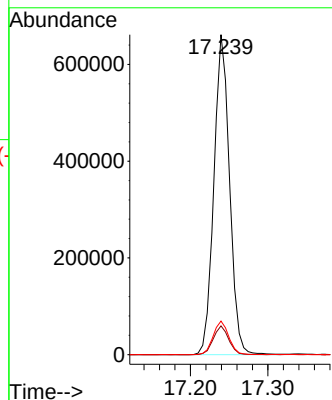
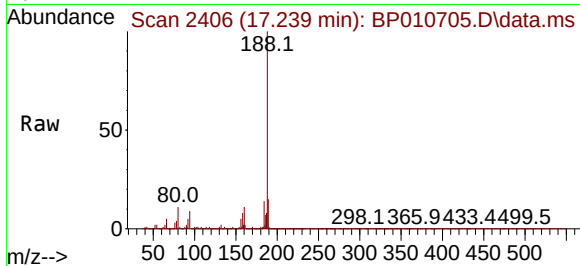




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.239 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

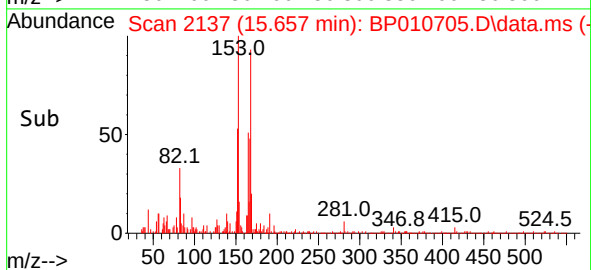
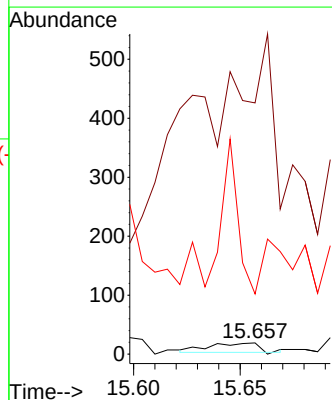
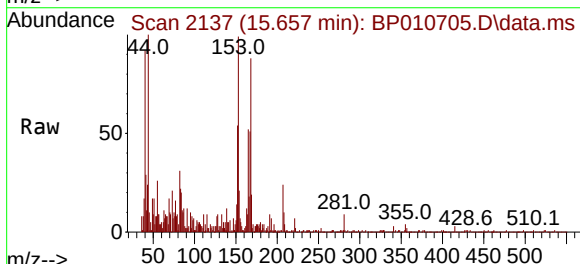
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

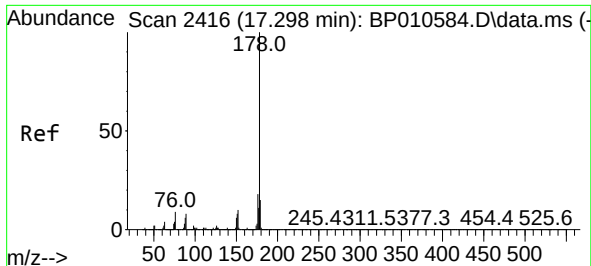
Tgt Ion:188 Resp: 928831  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.6 10.0  
80 10.5 8.0 12.0



#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.607 ng  
RT: 15.657 min Scan# 2137  
Delta R.T. 0.023 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:198 Resp: 26  
Ion Ratio Lower Upper  
198 100  
51 2242.1 41.2 81.2#  
105 536.8 25.3 65.3#

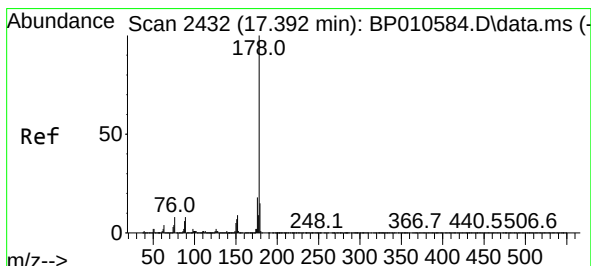
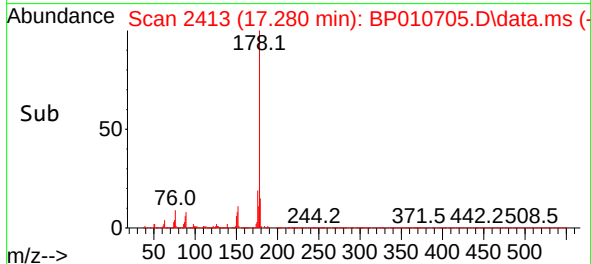
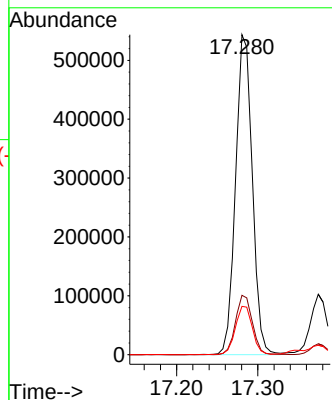
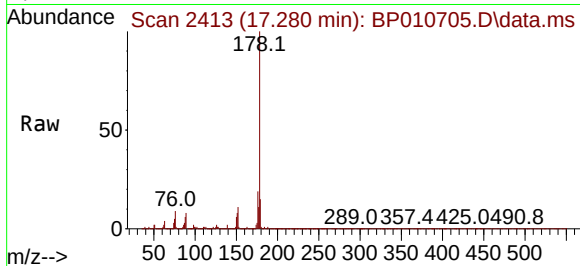




#71  
Phenanthrene  
Concen: 15.245 ng  
RT: 17.280 min Scan# 2416  
Delta R.T. -0.006 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

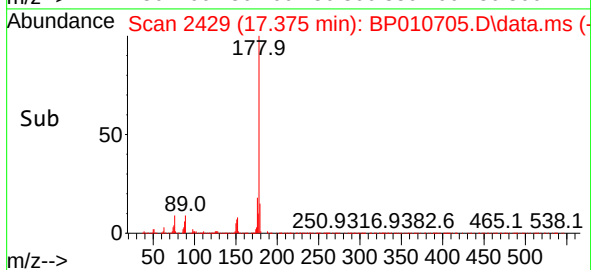
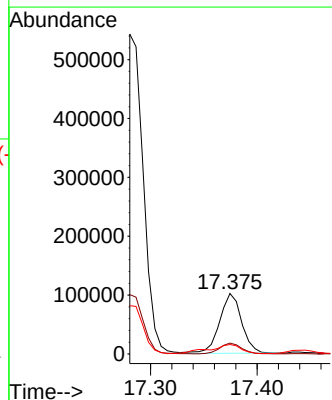
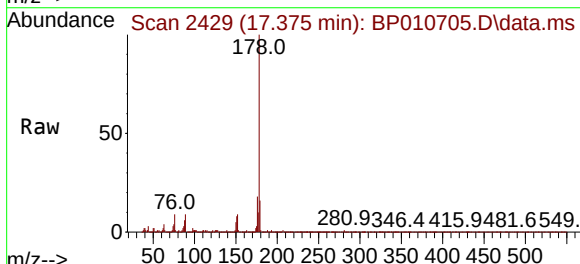
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

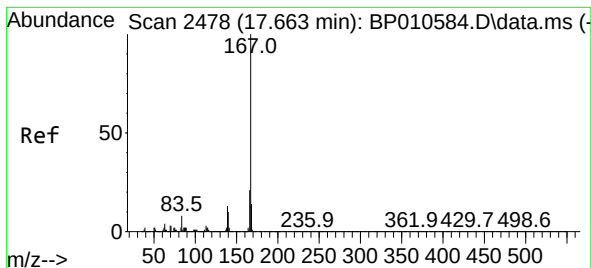
Tgt Ion:178 Resp: 776507  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.7 22.1  
179 15.1 12.2 18.2



#72  
Anthracene  
Concen: 2.995 ng  
RT: 17.375 min Scan# 2429  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:178 Resp: 146102  
Ion Ratio Lower Upper  
178 100  
176 18.0 14.5 21.7  
179 15.5 12.2 18.4





#73

Carbazole

Concen: 2.225 ng

RT: 17.651 min Scan# 2476

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL

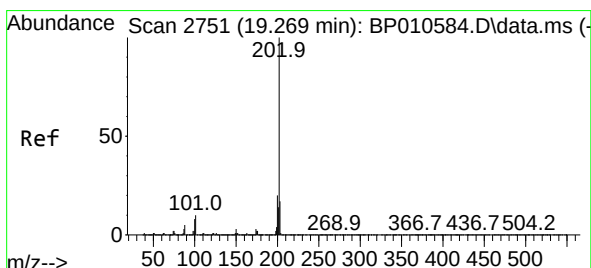
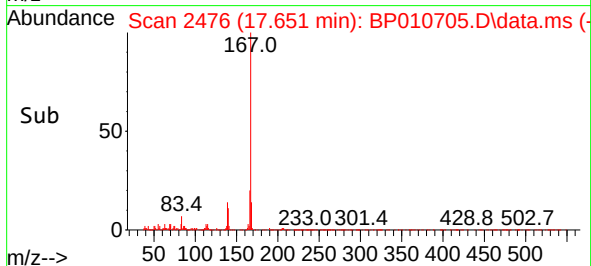
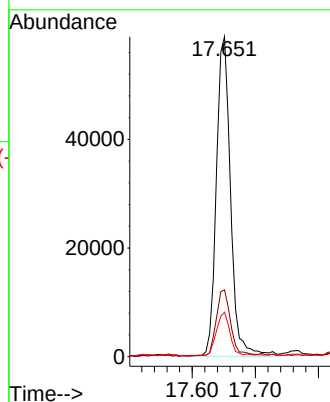
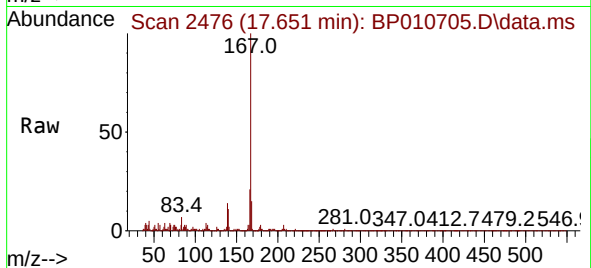
Tgt Ion:167 Resp: 92215

Ion Ratio Lower Upper

167 100

166 20.9 16.9 25.3

139 13.9 10.6 15.8



#75

Fluoranthene

Concen: 25.214 ng

RT: 19.251 min Scan# 2748

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

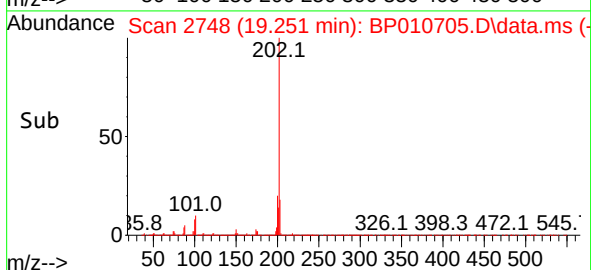
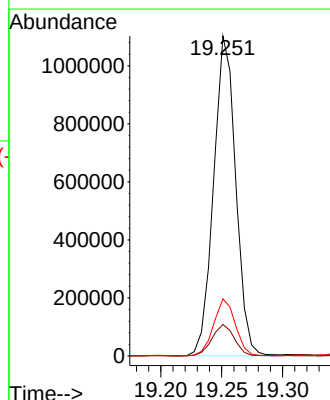
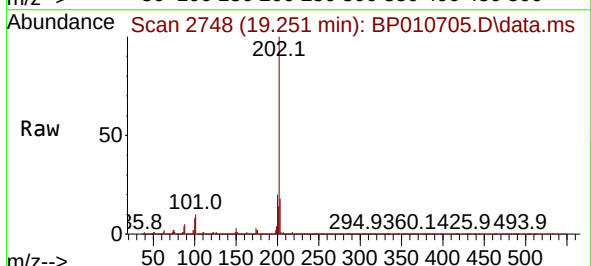
Tgt Ion:202 Resp: 1394941

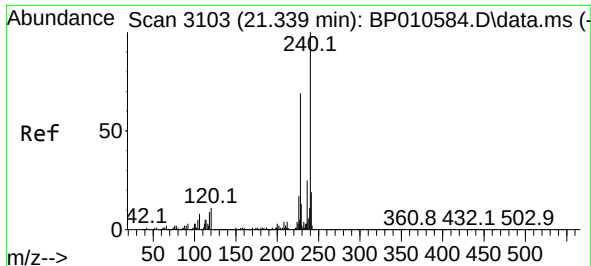
Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

203 17.9 0.0 36.9

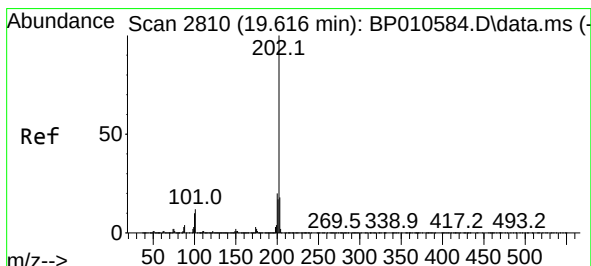
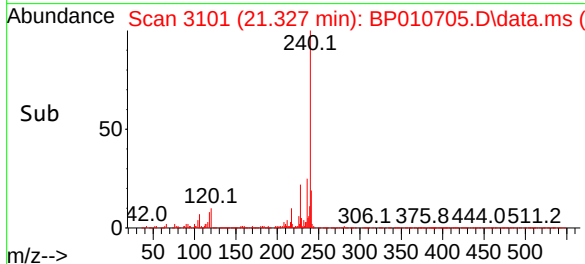
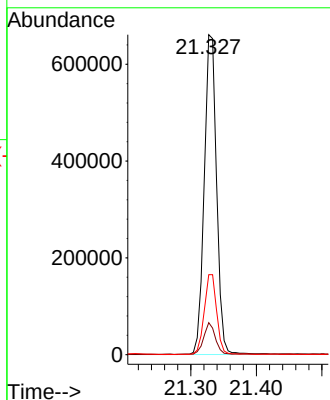
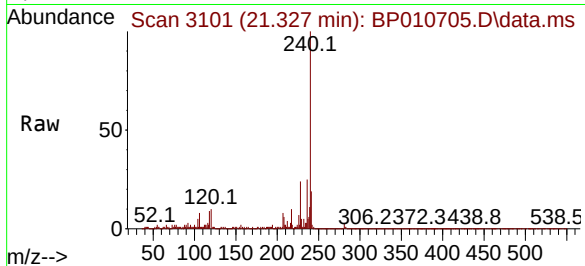




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.327 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

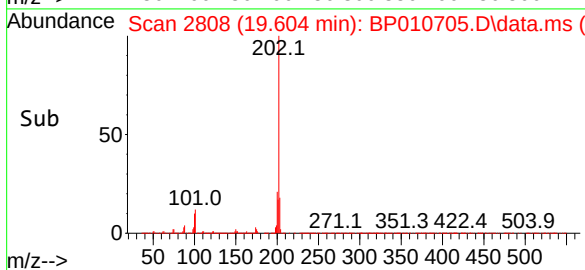
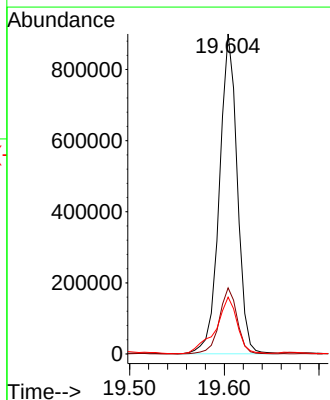
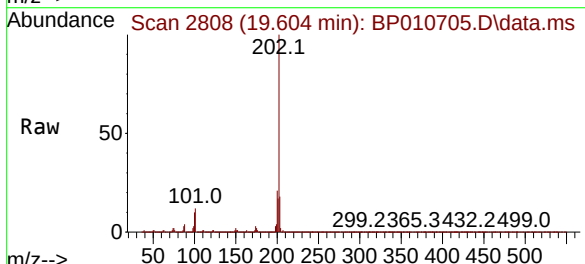
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

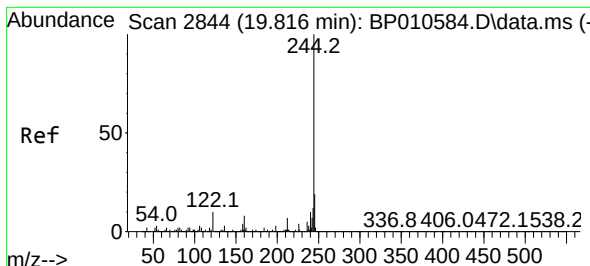
Tgt Ion:240 Resp: 867818  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.6 12.8  
236 25.0 19.8 29.6



#78  
Pyrene  
Concen: 19.542 ng  
RT: 19.604 min Scan# 2808  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:202 Resp: 1181887  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.3 24.5  
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 12.677 ng

RT: 19.798 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL

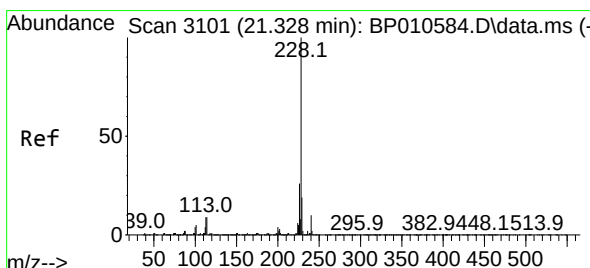
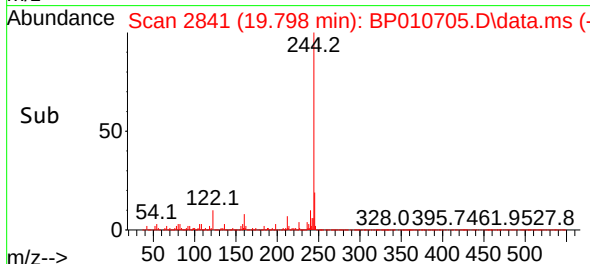
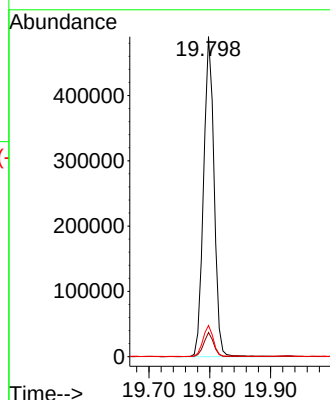
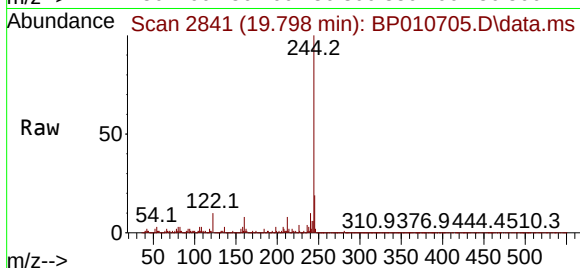
Tgt Ion:244 Resp: 585686

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 9.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 11.736 ng

RT: 21.316 min Scan# 3099

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

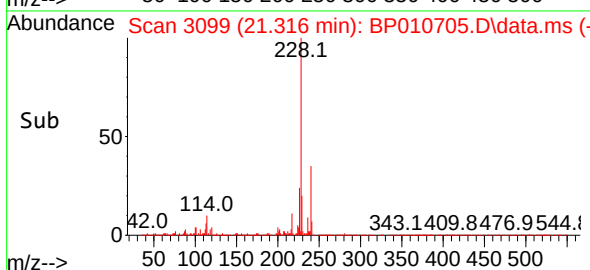
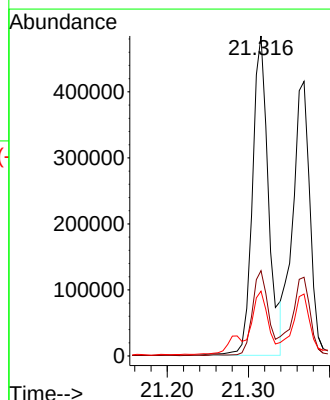
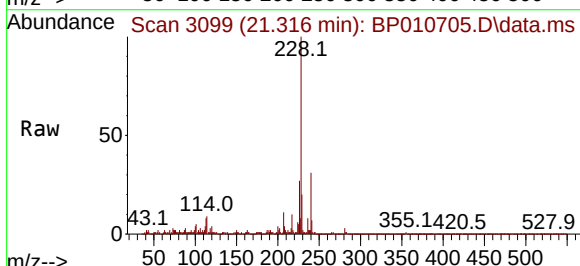
Tgt Ion:228 Resp: 668258

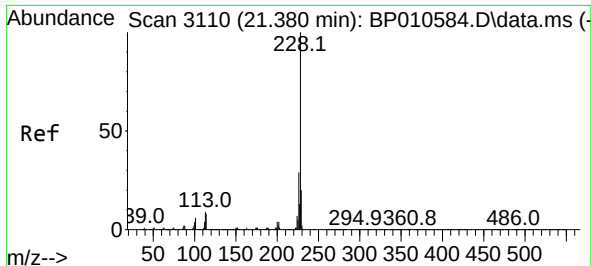
Ion Ratio Lower Upper

228 100

226 26.6 20.8 31.2

229 20.2 15.2 22.8

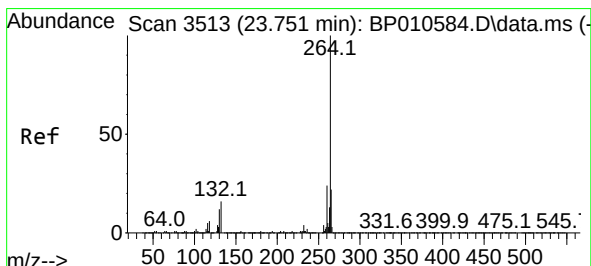
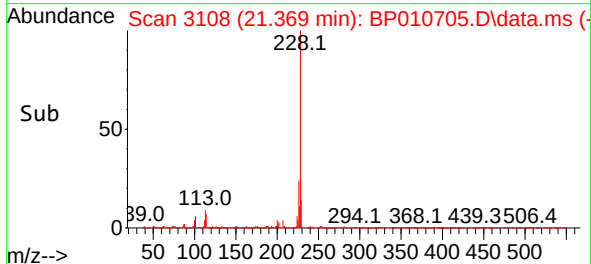
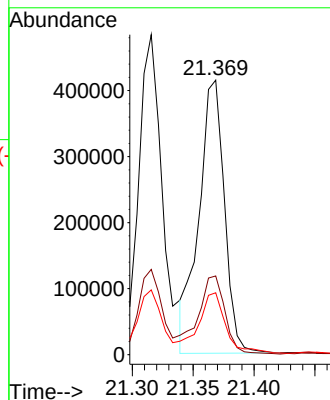
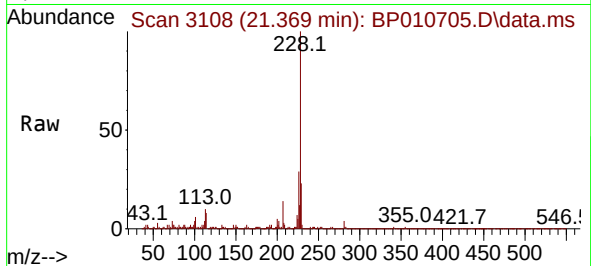




#83  
Chrysene  
Concen: 10.851 ng  
RT: 21.369 min Scan# 3110  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

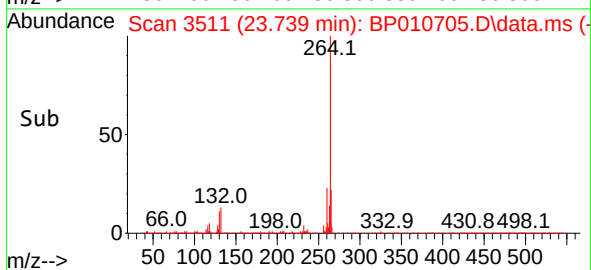
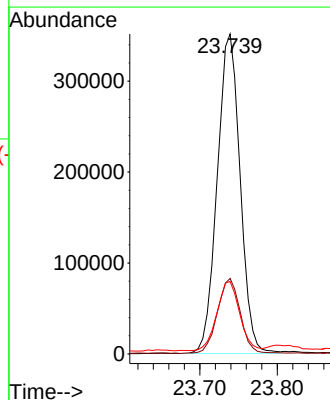
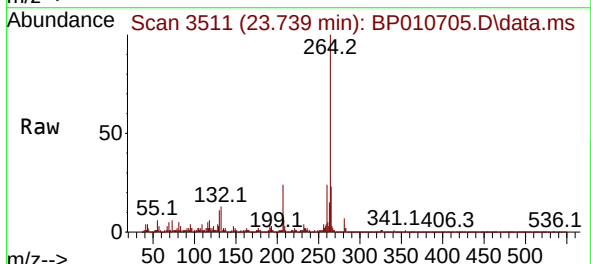
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

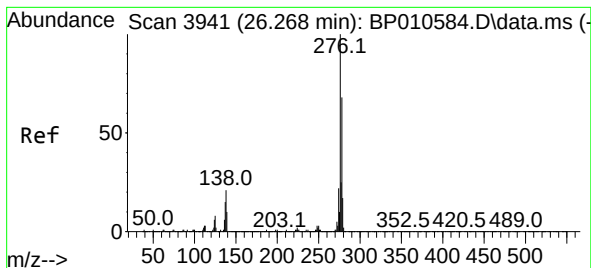
Tgt Ion:228 Resp: 606013  
Ion Ratio Lower Upper  
228 100  
226 28.7 23.4 35.2  
229 22.6 15.7 23.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.739 min Scan# 3511  
Delta R.T. -0.000 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:264 Resp: 721641  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.3 28.9  
265 22.7 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.585 ng

RT: 26.245 min Scan# 3941

Delta R.T. -0.018 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL

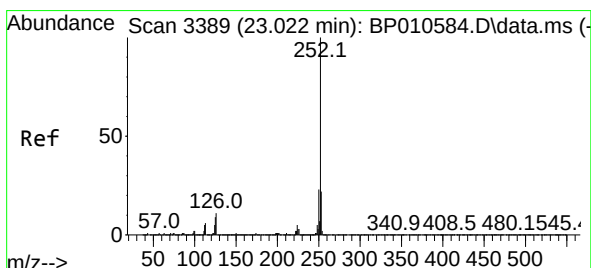
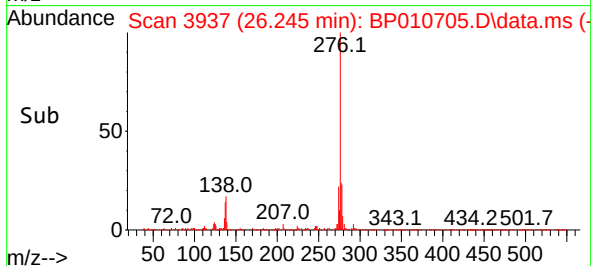
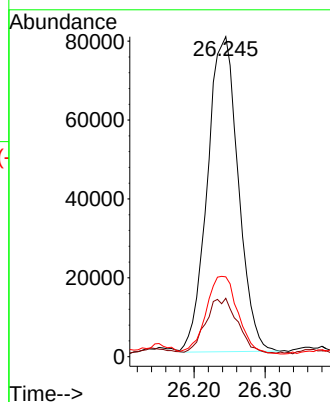
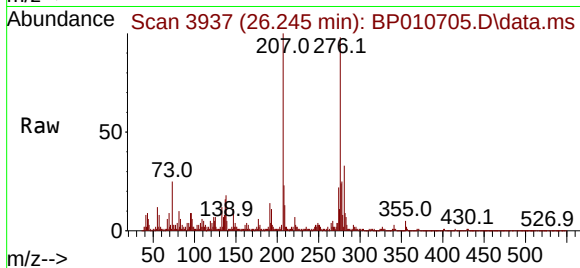
Tgt Ion:276 Resp: 241229

Ion Ratio Lower Upper

276 100

138 17.9 17.5 26.3

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 14.892 ng

RT: 23.010 min Scan# 3387

Delta R.T. -0.000 min

Lab File: BP010705.D

Acq: 06 Jun 2022 16:18

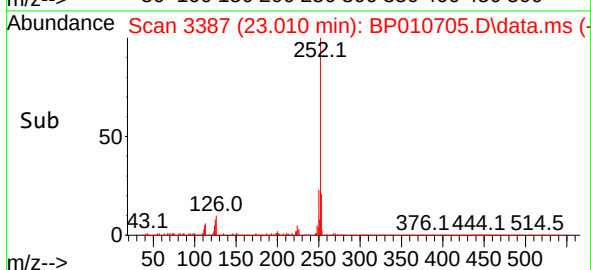
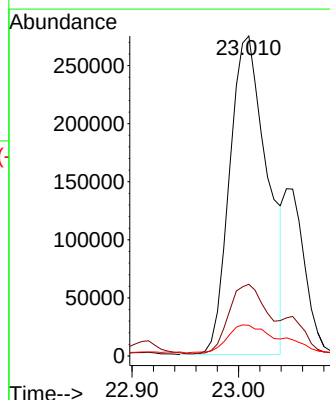
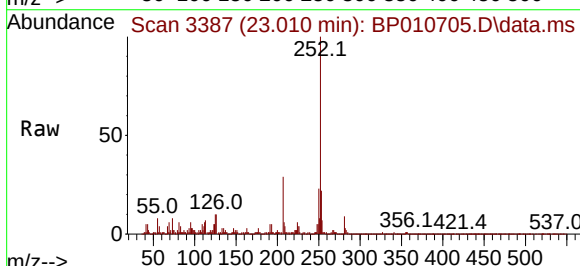
Tgt Ion:252 Resp: 676627

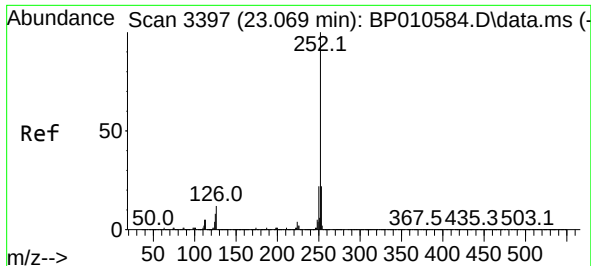
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 9.6 7.0 10.6

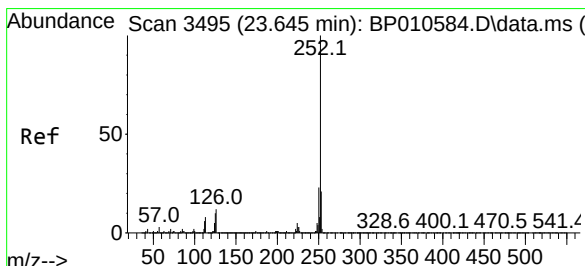
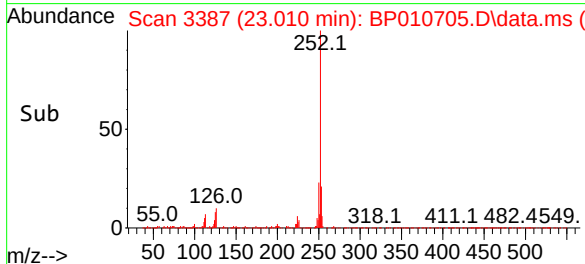
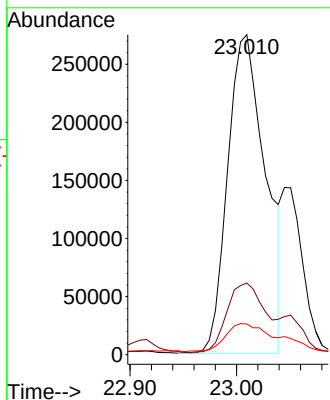
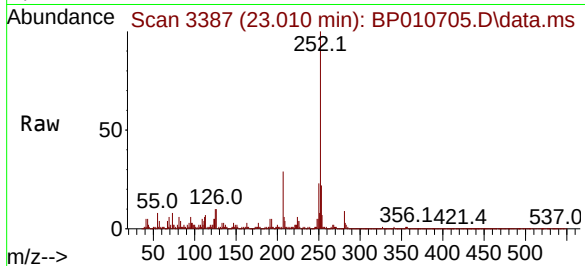




#89  
Benzo(k)fluoranthene  
Concen: 14.691 ng  
RT: 23.010 min Scan# 31  
Delta R.T. -0.047 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

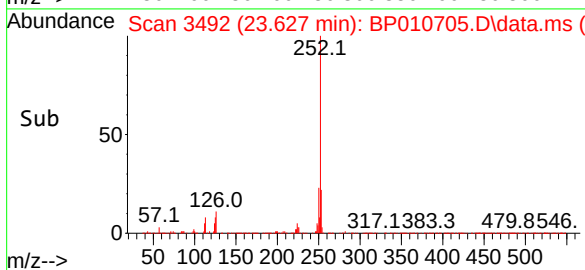
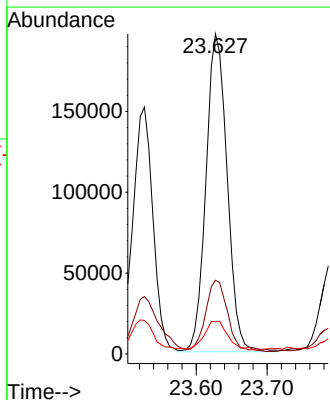
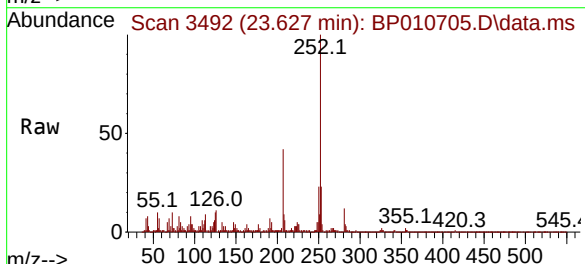
Instrument :  
BNA\_P  
ClientSampleId :  
COMP-1DL

Tgt Ion:252 Resp: 676627  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.2 25.8  
125 9.6 7.0 10.4

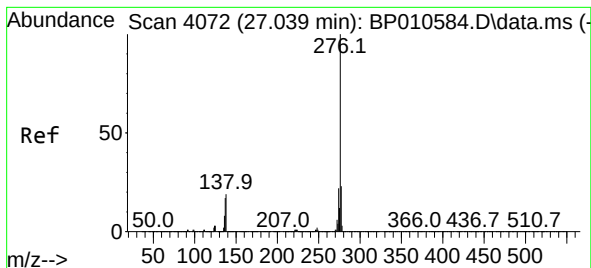


#90  
Benzo(a)pyrene  
Concen: 10.877 ng  
RT: 23.627 min Scan# 3492  
Delta R.T. -0.006 min  
Lab File: BP010705.D  
Acq: 06 Jun 2022 16:18

Tgt Ion:252 Resp: 408781  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.0 25.6  
125 10.1 7.9 11.9







#92

Benzo(g,h,i)perylene

Concen: 5.456 ng

RT: 27.015 min Scan# 4068

Delta R.T. -0.012 min

Lab File: BP010705.D

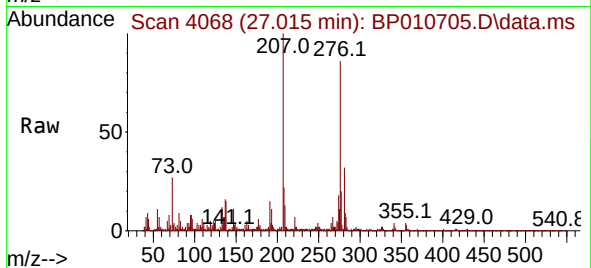
Acq: 06 Jun 2022 16:18

Instrument :

BNA\_P

ClientSampleId :

COMP-1DL



Tgt Ion:276 Resp: 238679

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 18.7  | 28.1  |
| 138 | 18.1  | 15.2  | 22.8  |

