

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040122\  
 Data File : BP009666.D  
 Acq On : 01 Apr 2022 19:45  
 Operator : CG/JU  
 Sample : N2220-12  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A05015

Quant Time: Apr 01 22:45:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 04:36:51 2022  
 Response via : Initial Calibration

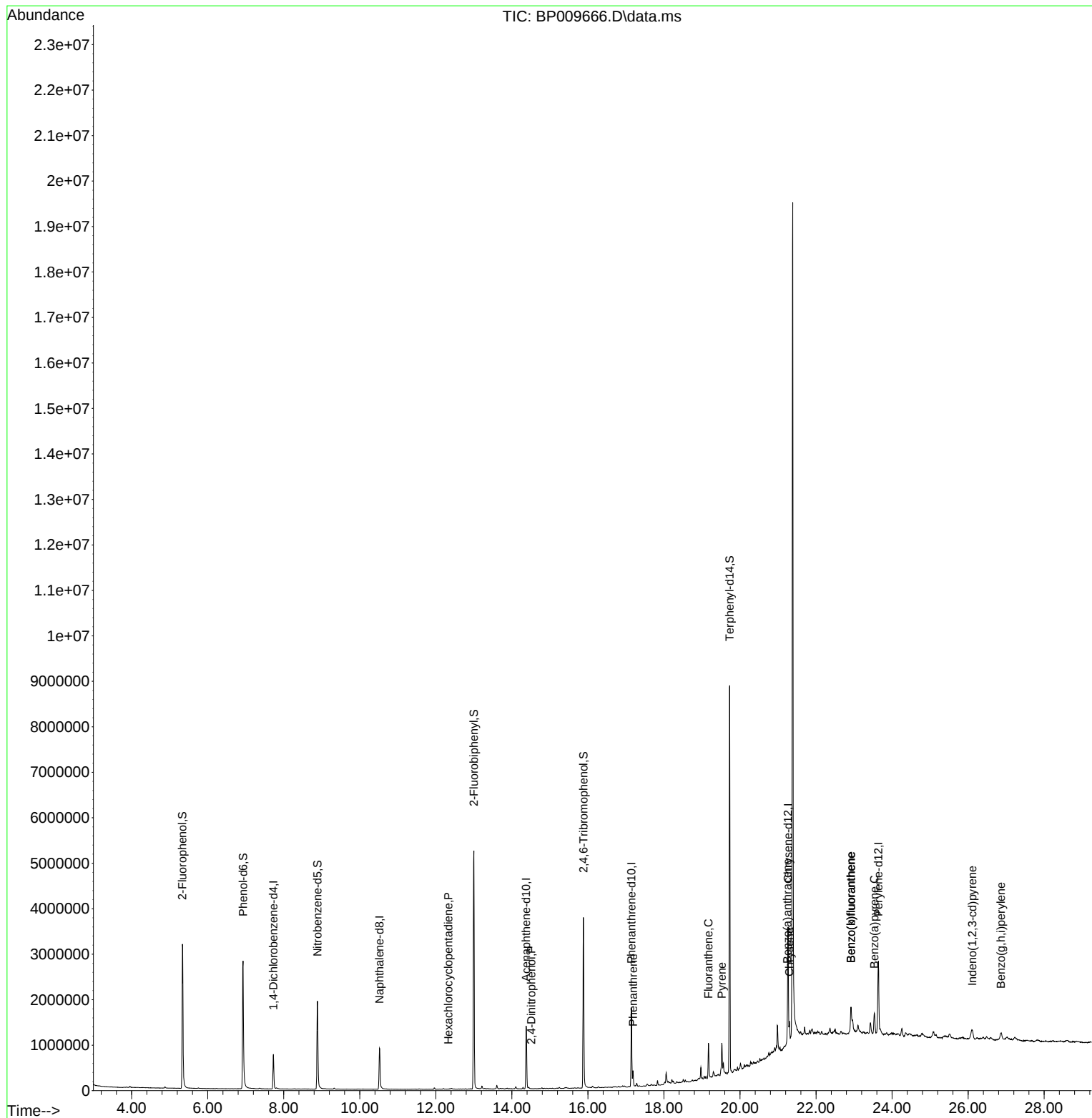
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.728  | 152  | 233284   | 20.000    | ng     | -0.01    |
| 21) Naphthalene-d8            | 10.516 | 136  | 908470   | 20.000    | ng     | -0.02    |
| 39) Acenaphthene-d10          | 14.375 | 164  | 539949   | 20.000    | ng     | -0.02    |
| 64) Phenanthrene-d10          | 17.145 | 188  | 1092619  | 20.000    | ng     | -0.01    |
| 76) Chrysene-d12              | 21.263 | 240  | 1158347  | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 23.639 | 264  | 1283757  | 20.000    | ng     | -0.01    |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.334  | 112  | 1716531  | 128.468   | ng     | -0.01    |
| 7) Phenol-d6                  | 6.928  | 99   | 2106860  | 116.597   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.887  | 82   | 1375363  | 80.451    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.881 | 330  | 838378   | 94.093    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 12.998 | 172  | 3019855  | 77.533    | ng     | -0.01    |
| 79) Terphenyl-d14             | 19.727 | 244  | 4530497  | 70.201    | ng     | -0.01    |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           |        |          |
| 9) Benzaldehyde               | 6.828  | 77   | 706      | Below Cal | Qvalue | # 33     |
| 41) Hexachlorocyclopentadiene | 12.328 | 237  | 18       | 7.290     | ng     | 84       |
| 54) 2,4-Dinitrophenol         | 14.510 | 184  | 25       | 4.537     | ng     | # 1      |
| 71) Phenanthrene              | 17.186 | 178  | 220093   | 3.763     | ng     | 99       |
| 75) Fluoranthene              | 19.169 | 202  | 480025   | 6.779     | ng     | 99       |
| 78) Pyrene                    | 19.522 | 202  | 456958   | 5.987     | ng     | 100      |
| 81) Benzo(a)anthracene        | 21.245 | 228  | 279072   | 3.667     | ng     | 98       |
| 83) Chrysene                  | 21.298 | 228  | 280855   | 3.897     | ng     | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.110 | 276  | 211574   | 2.172     | ng     | 95       |
| 88) Benzo(b)fluoranthene      | 22.916 | 252  | 554939   | 7.241     | ng     | # 94     |
| 89) Benzo(k)fluoranthene      | 22.916 | 252  | 554939   | 7.396     | ng     | 94       |
| 90) Benzo(a)pyrene            | 23.533 | 252  | 277953   | 4.239     | ng     | 96       |
| 92) Benzo(g,h,i)perylene      | 26.862 | 276  | 224188   | 2.807     | ng     | # 90     |
| -----                         |        |      |          |           |        |          |

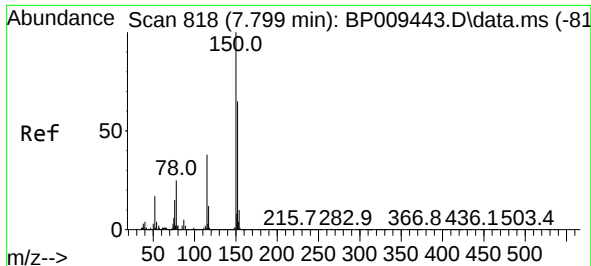
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP040122\  
Data File : BP009666.D  
Acq On : 01 Apr 2022 19:45  
Operator : CG/JU  
Sample : N2220-12  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A05015

Quant Time: Apr 01 22:45:37 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 31 04:36:51 2022  
Response via : Initial Calibration

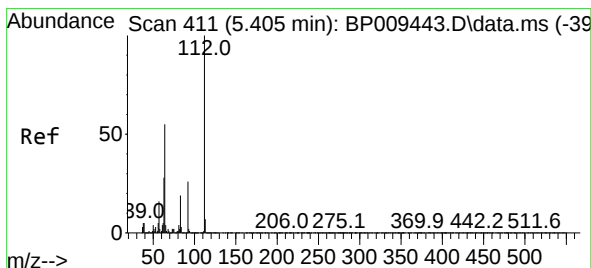
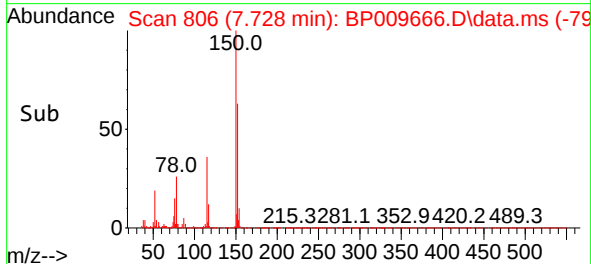
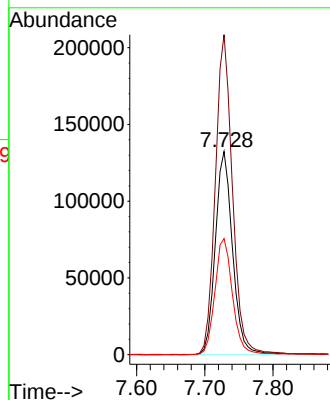
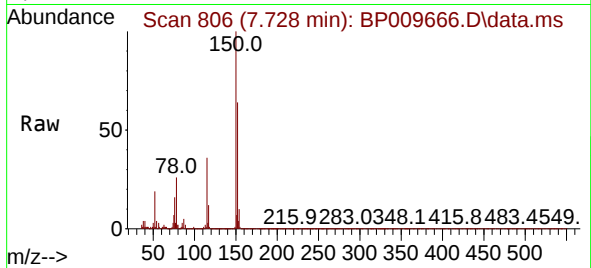




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.728 min Scan# 806  
 Delta R.T. -0.012 min  
 Lab File: BP009666.D  
 Acq: 01 Apr 2022 19:45

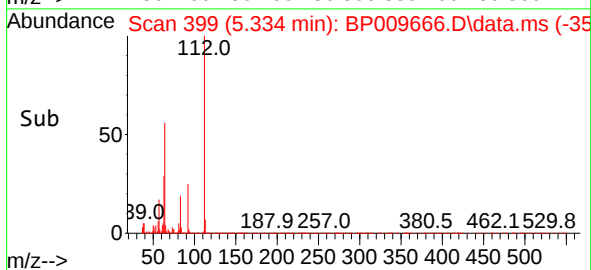
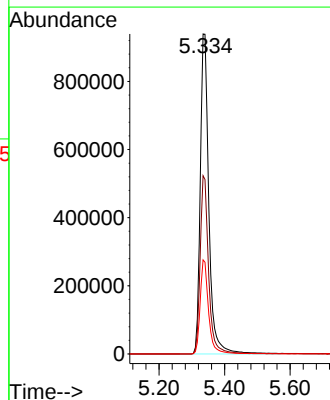
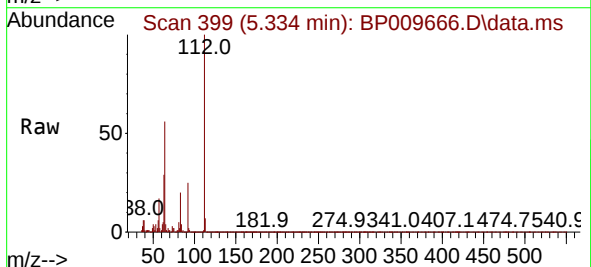
Instrument :  
 BNA\_P  
 ClientSampleId :  
 A05015

Tgt Ion:152 Resp: 233284  
 Ion Ratio Lower Upper  
 152 100  
 150 157.4 124.5 186.7  
 115 57.1 48.2 72.4



#5  
 2-Fluorophenol  
 Concen: 128.468 ng  
 RT: 5.334 min Scan# 399  
 Delta R.T. -0.012 min  
 Lab File: BP009666.D  
 Acq: 01 Apr 2022 19:45

Tgt Ion:112 Resp: 1716531  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 45.0 67.4  
 63 29.4 23.0 34.6

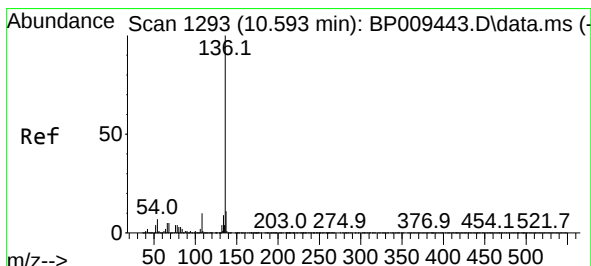
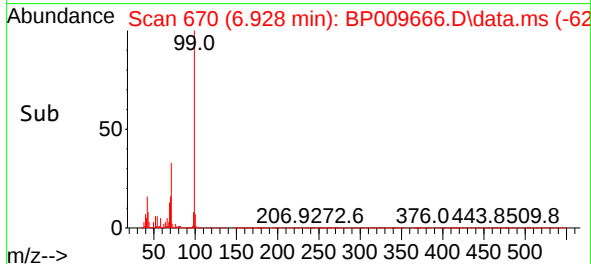
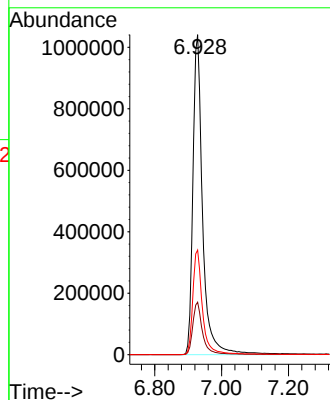
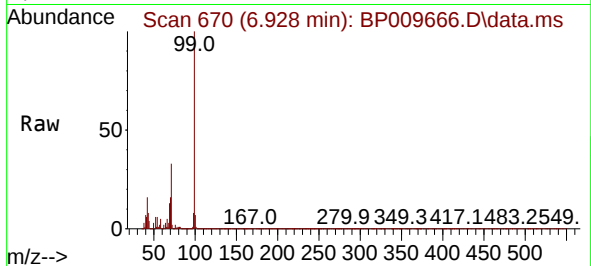




#7  
Phenol-d6  
Concen: 116.597 ng  
RT: 6.928 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

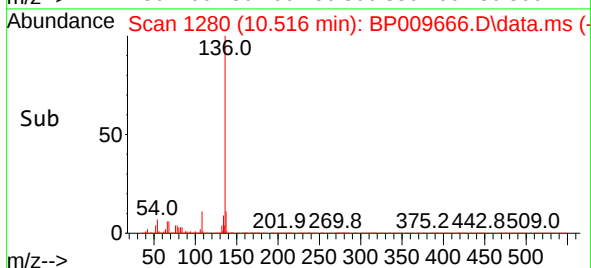
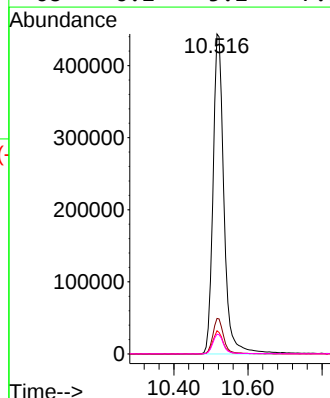
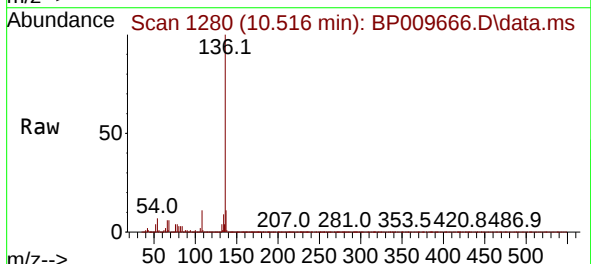
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

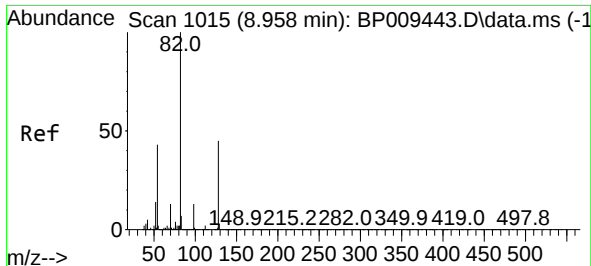
Tgt Ion: 99 Resp: 2106860  
Ion Ratio Lower Upper  
99 100  
42 16.4 12.8 19.2  
71 32.7 26.3 39.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.516 min Scan# 1280  
Delta R.T. -0.018 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion: 136 Resp: 908470  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 7.3 5.8 8.8  
68 6.2 5.2 7.8

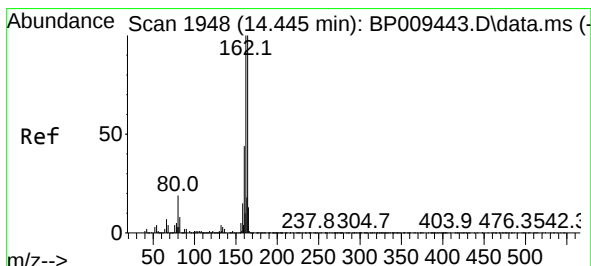
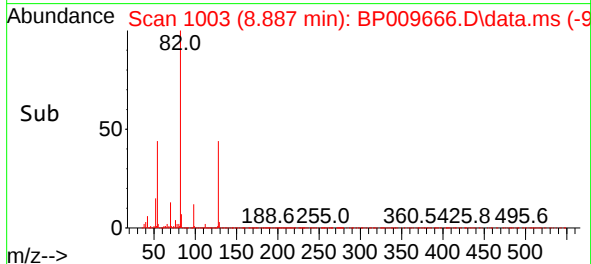
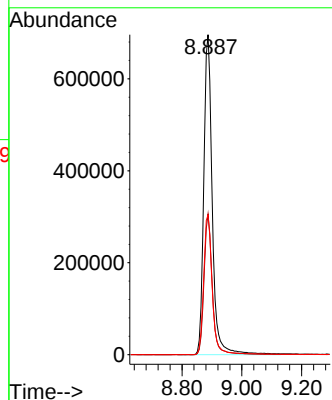
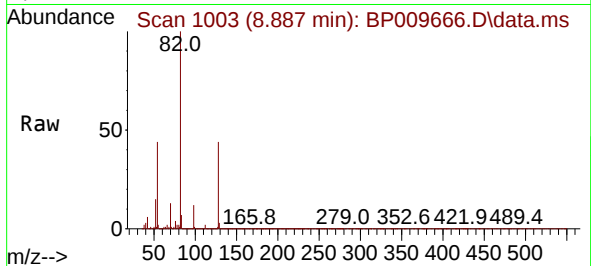




#23  
Nitrobenzene-d5  
Concen: 80.451 ng  
RT: 8.887 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

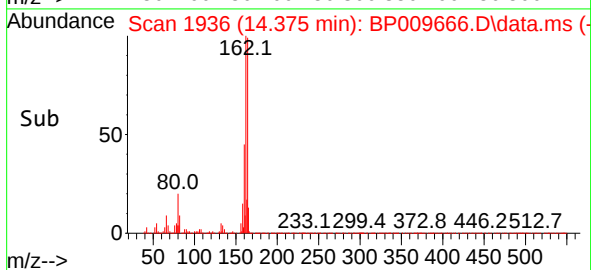
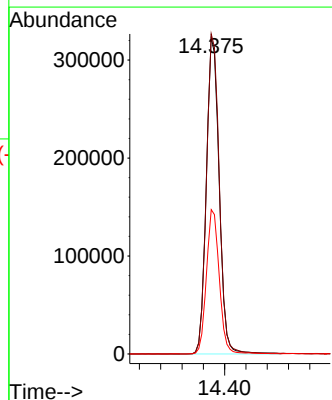
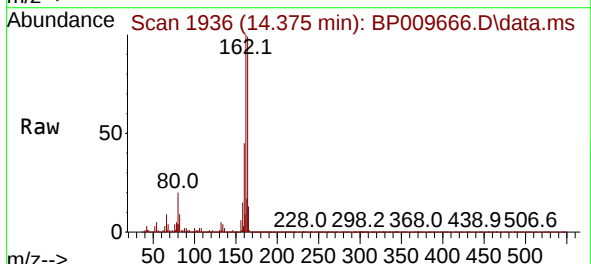
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

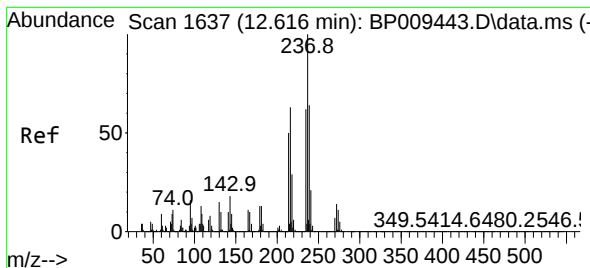
Tgt Ion: 82 Resp: 1375363  
Ion Ratio Lower Upper  
82 100  
128 43.9 34.2 51.4  
54 43.7 34.7 52.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.375 min Scan# 1936  
Delta R.T. -0.018 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:164 Resp: 539949  
Ion Ratio Lower Upper  
164 100  
162 100.8 79.1 118.7  
160 45.5 34.9 52.3





#41

Hexachlorocyclopentadiene

Concen: 7.290 ng

RT: 12.328 min Scan# 1

Delta R.T. -0.229 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

Instrument :

BNA\_P

ClientSampleId :

A05015

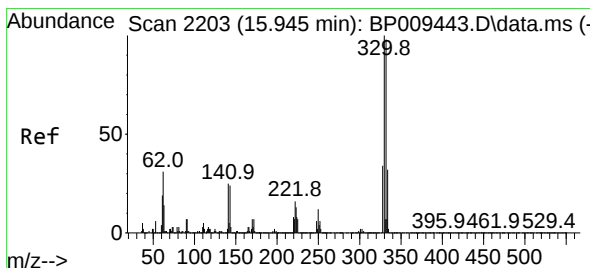
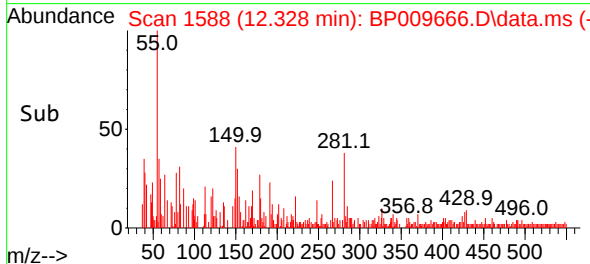
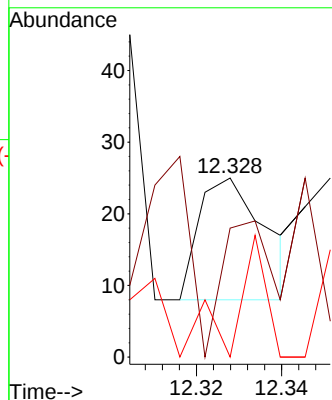
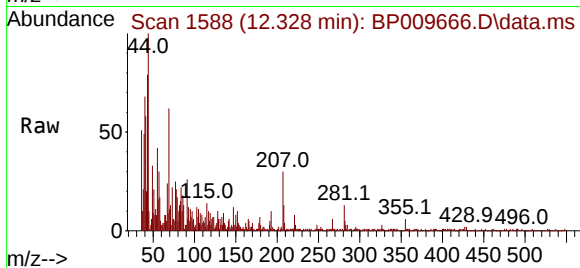
Tgt Ion:237 Resp: 18

Ion Ratio Lower Upper

237 100

235 72.0 42.6 82.6

272 0.0 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 94.093 ng

RT: 15.881 min Scan# 2192

Delta R.T. -0.012 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

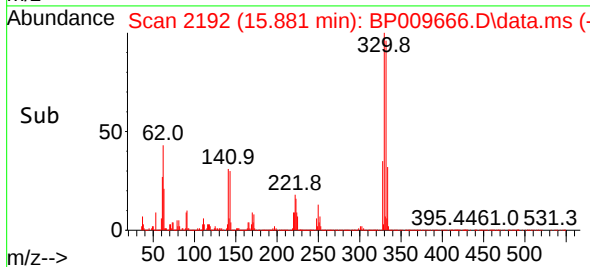
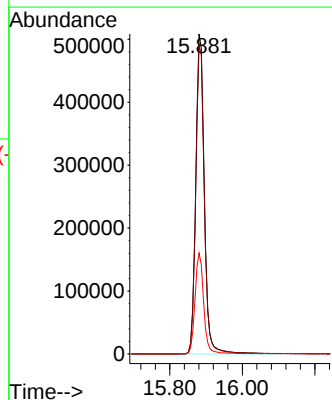
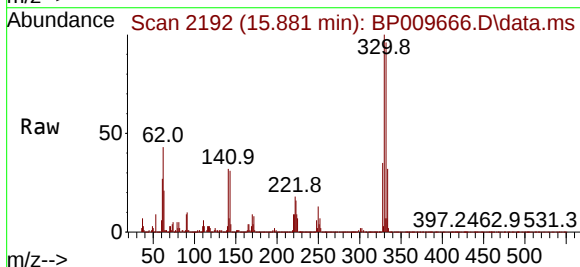
Tgt Ion:330 Resp: 838378

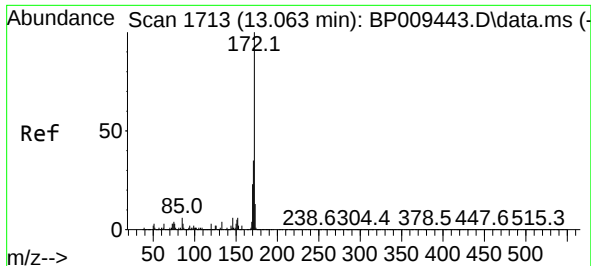
Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

141 31.7 27.6 41.4

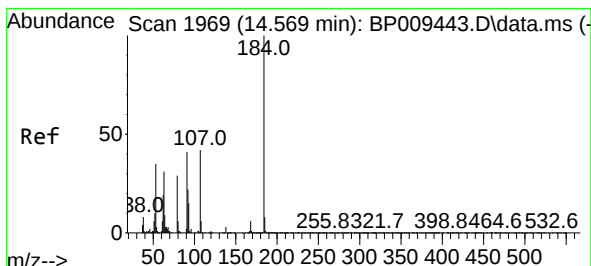
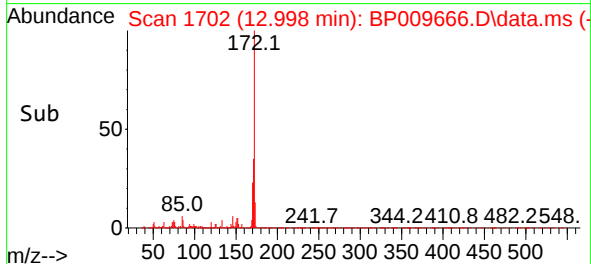
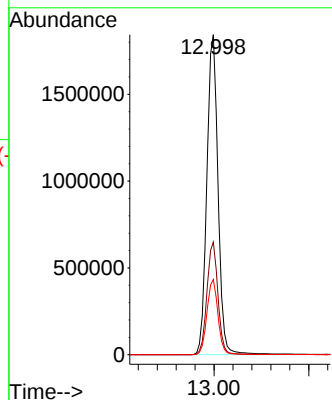
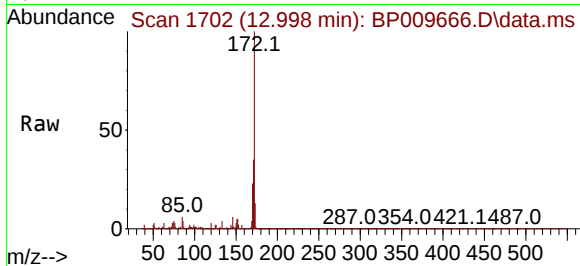




#45  
2-Fluorobiphenyl  
Concen: 77.533 ng  
RT: 12.998 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

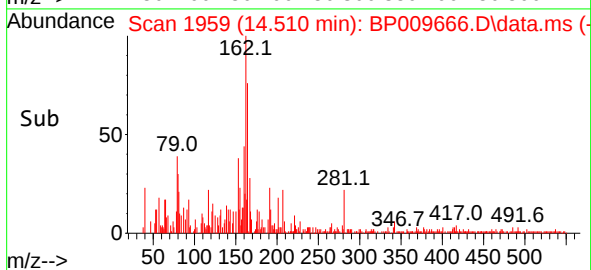
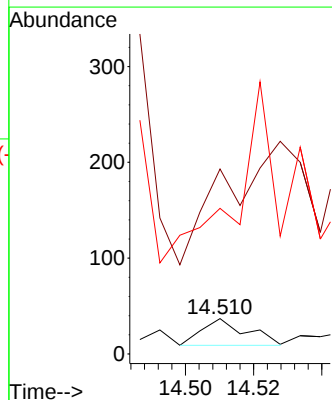
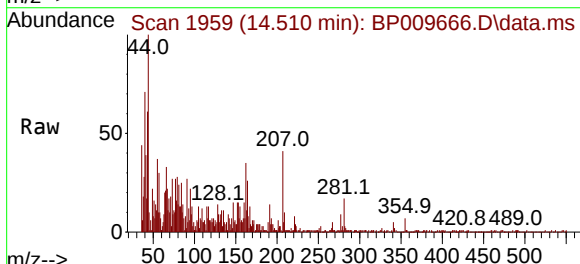
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

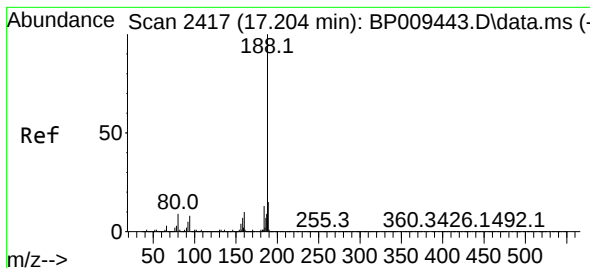
Tgt Ion:172 Resp: 3019855  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.0 42.0  
170 23.5 18.6 27.8



#54  
2,4-Dinitrophenol  
Concen: 4.537 ng  
RT: 14.510 min Scan# 1959  
Delta R.T. -0.018 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:184 Resp: 25  
Ion Ratio Lower Upper  
184 100  
63 521.6 46.3 69.5#  
154 410.8 45.8 68.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

Instrument :

BNA\_P

ClientSampleId :

A05015

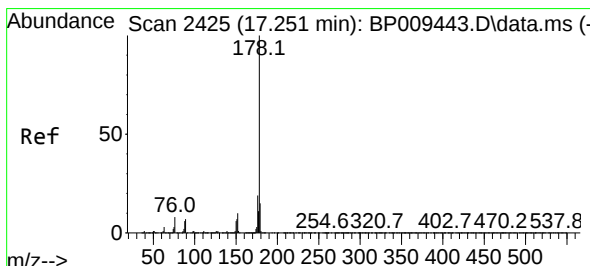
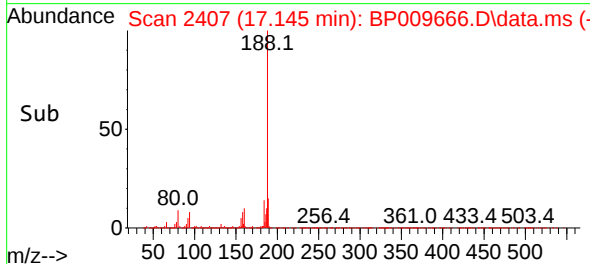
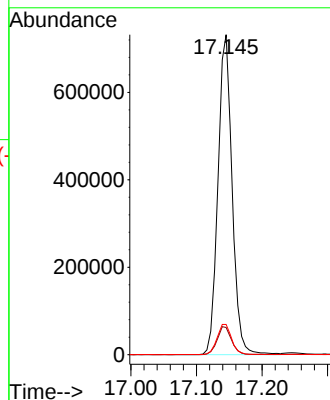
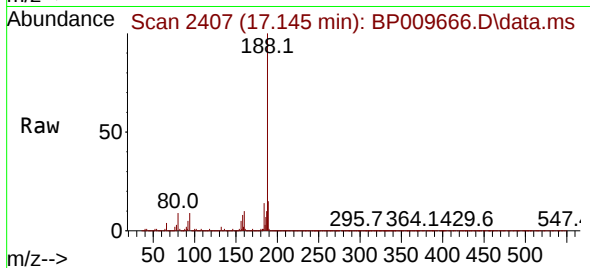
Tgt Ion:188 Resp: 1092619

Ion Ratio Lower Upper

188 100

94 8.5 7.9 11.9

80 9.4 8.8 13.2



#71

Phenanthrene

Concen: 3.763 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

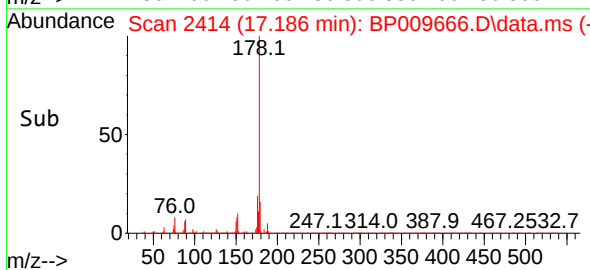
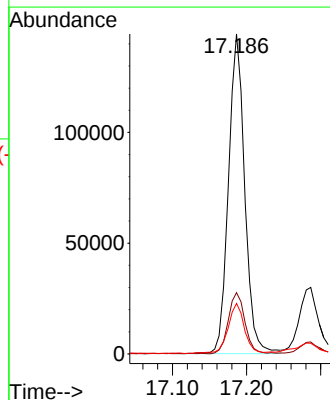
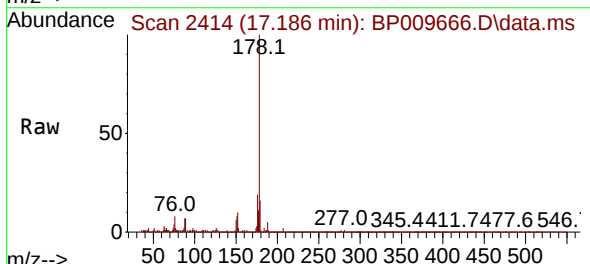
Tgt Ion:178 Resp: 220093

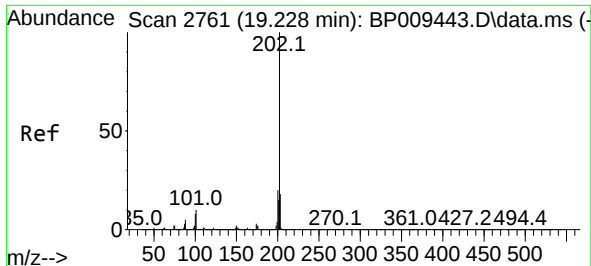
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.8 12.3 18.5

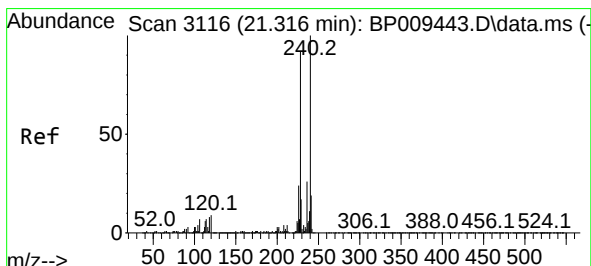
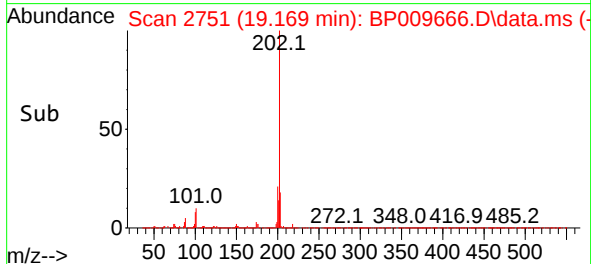
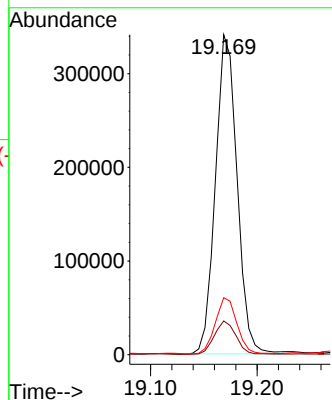
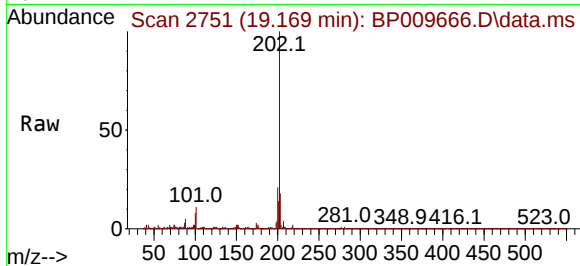




#75  
Fluoranthene  
Concen: 6.779 ng  
RT: 19.169 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

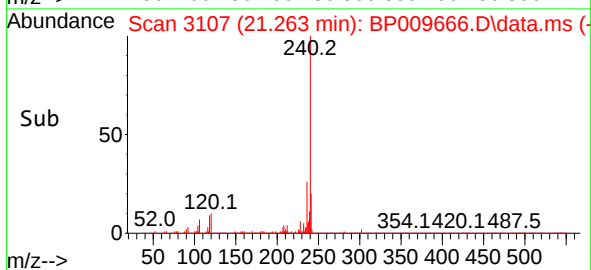
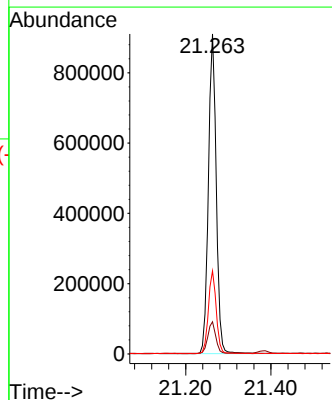
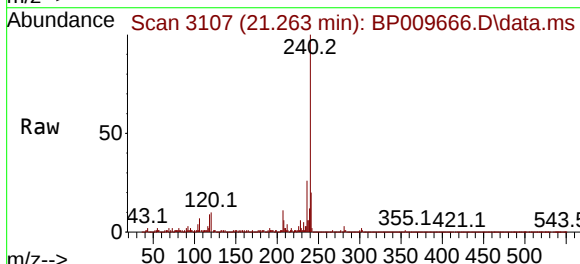
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

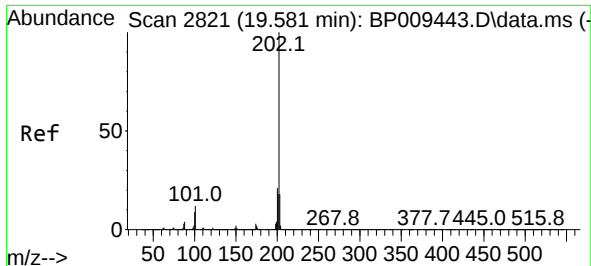
Tgt Ion:202 Resp: 480025  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 31.5  
203 17.8 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.263 min Scan# 3107  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:240 Resp: 1158347  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.0 13.4  
236 25.9 20.6 30.8

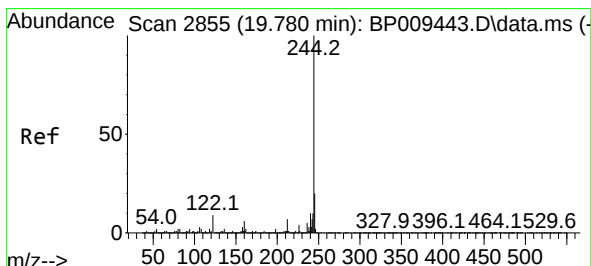
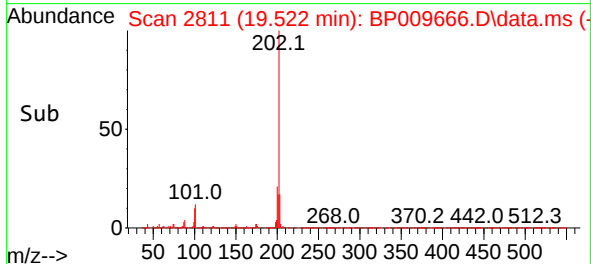
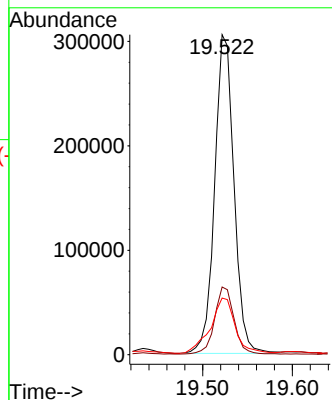
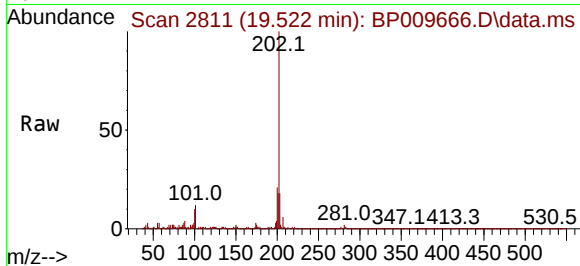




#78  
 Pyrene  
 Concen: 5.987 ng  
 RT: 19.522 min Scan# 2811  
 Delta R.T. -0.018 min  
 Lab File: BP009666.D  
 Acq: 01 Apr 2022 19:45

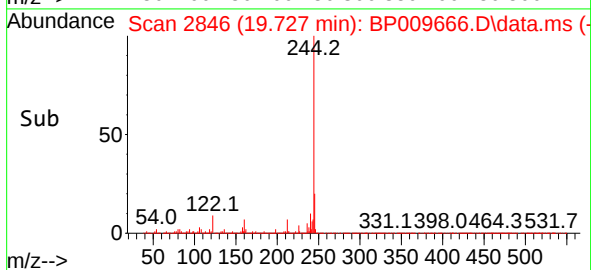
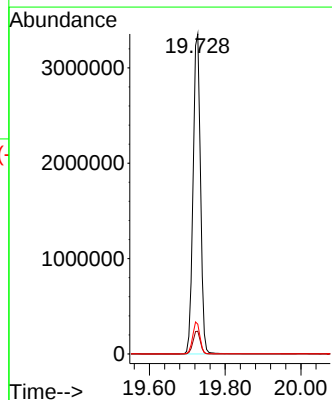
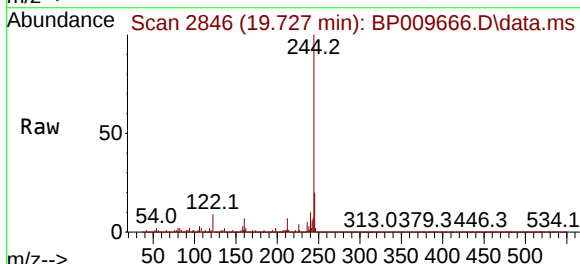
Instrument :  
 BNA\_P  
 ClientSampleId :  
 A05015

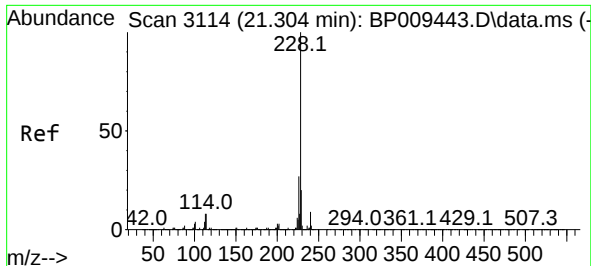
Tgt Ion:202 Resp: 456958  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 16.8 25.2  
 203 17.7 14.2 21.4



#79  
 Terphenyl-d14  
 Concen: 70.201 ng  
 RT: 19.727 min Scan# 2846  
 Delta R.T. -0.012 min  
 Lab File: BP009666.D  
 Acq: 01 Apr 2022 19:45

Tgt Ion:244 Resp: 4530497  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.6  
 122 9.3 8.3 12.5

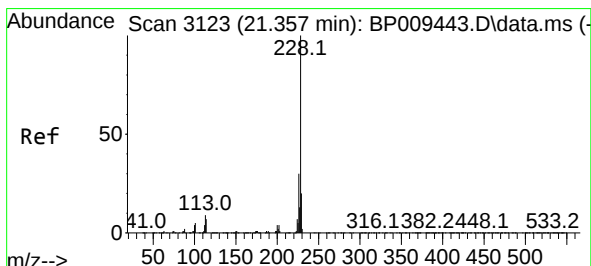
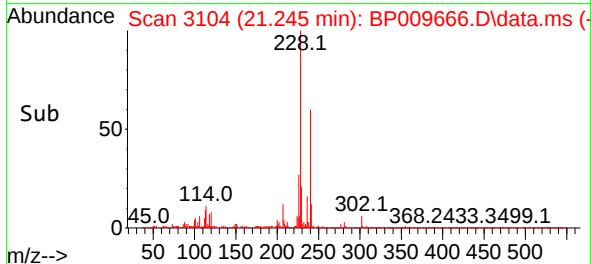
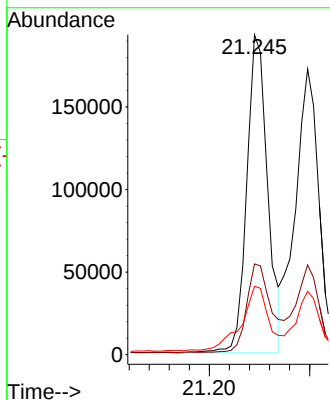
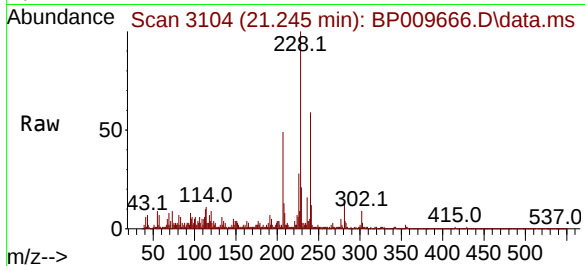




#81  
Benzo(a)anthracene  
Concen: 3.667 ng  
RT: 21.245 min Scan# 3114  
Delta R.T. -0.018 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

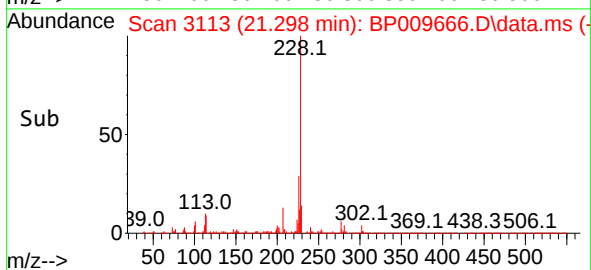
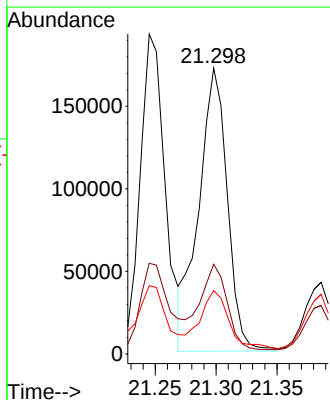
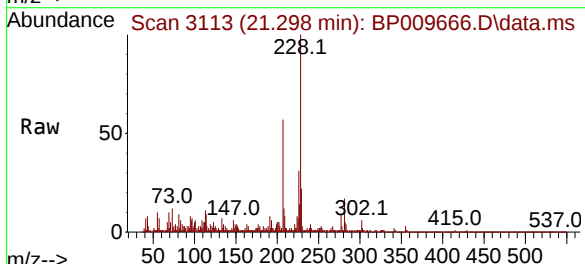
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

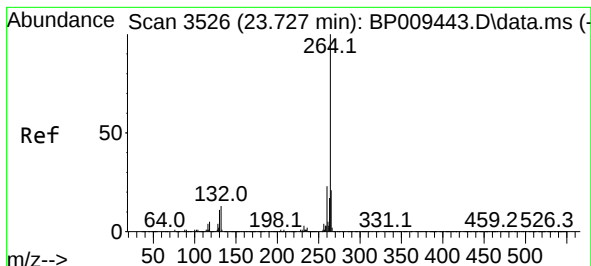
Tgt Ion:228 Resp: 279072  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.0 33.0  
229 21.3 16.1 24.1



#83  
Chrysene  
Concen: 3.897 ng  
RT: 21.298 min Scan# 3113  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:228 Resp: 280855  
Ion Ratio Lower Upper  
228 100  
226 31.4 24.2 36.2  
229 22.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.639 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

Instrument :

BNA\_P

ClientSampleId :

A05015

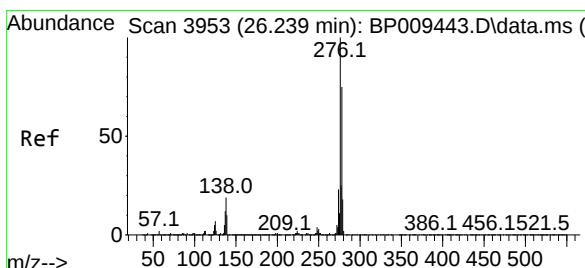
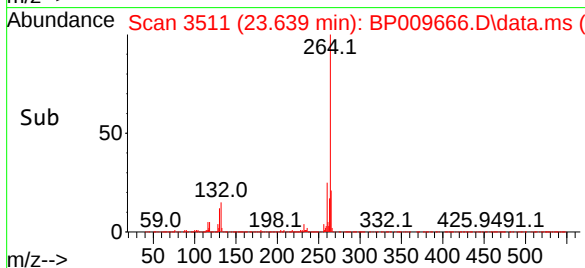
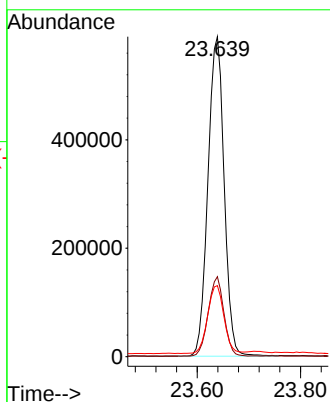
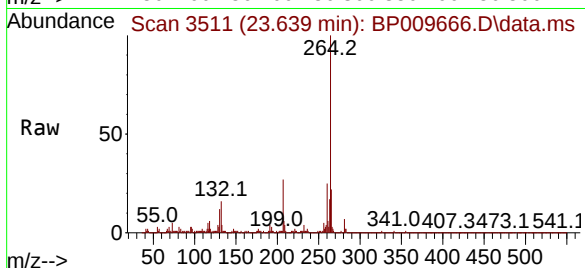
Tgt Ion:264 Resp: 1283757

Ion Ratio Lower Upper

264 100

260 25.0 19.4 29.0

265 22.2 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.172 ng

RT: 26.110 min Scan# 3931

Delta R.T. -0.029 min

Lab File: BP009666.D

Acq: 01 Apr 2022 19:45

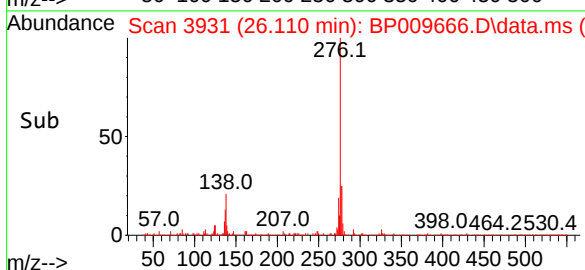
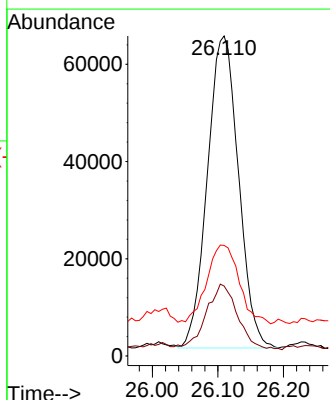
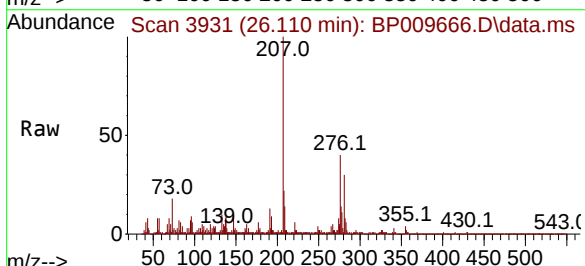
Tgt Ion:276 Resp: 211574

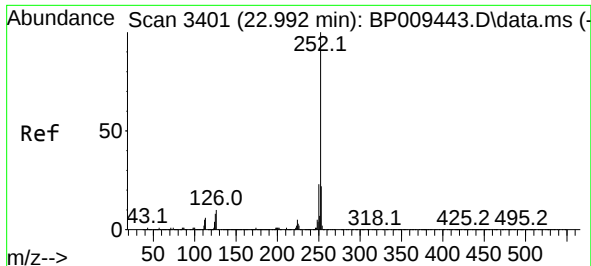
Ion Ratio Lower Upper

276 100

138 21.5 20.5 30.7

277 26.4 20.4 30.6

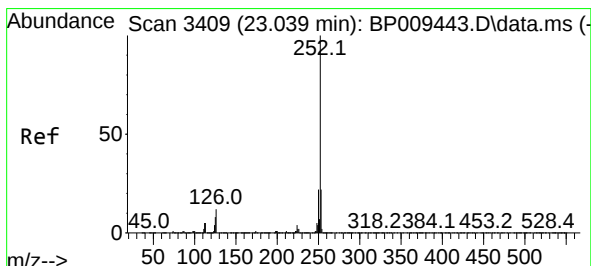
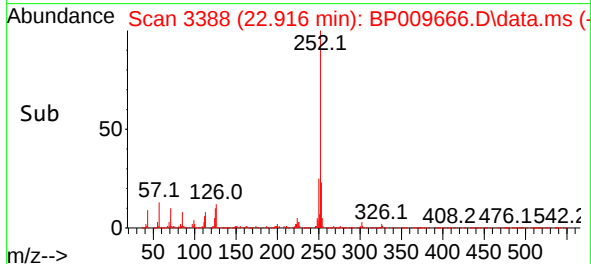
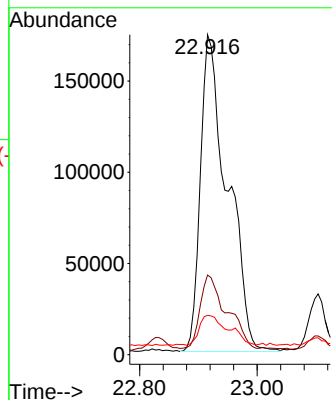
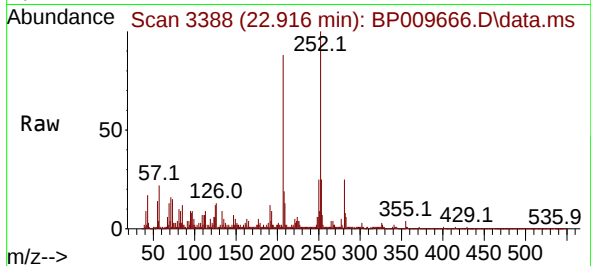




#88  
Benzo(b)fluoranthene  
Concen: 7.241 ng  
RT: 22.916 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

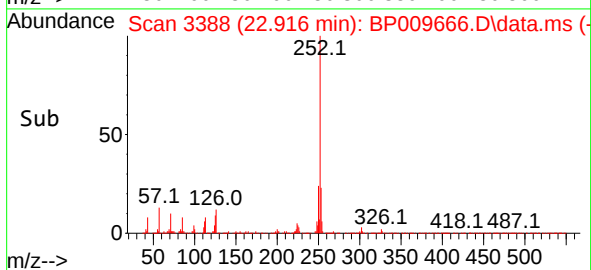
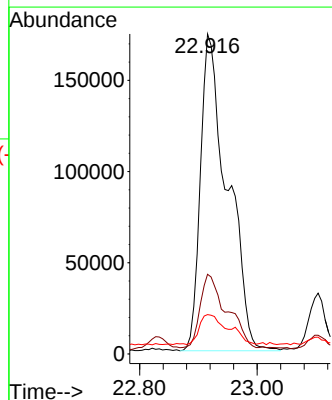
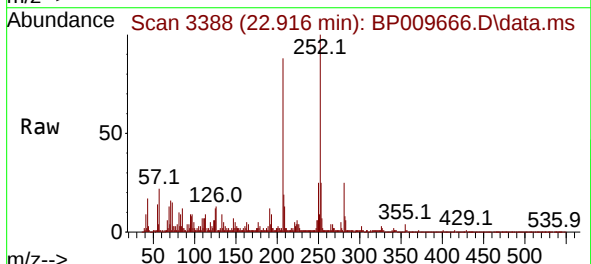
Instrument :  
BNA\_P  
ClientSampleId :  
A05015

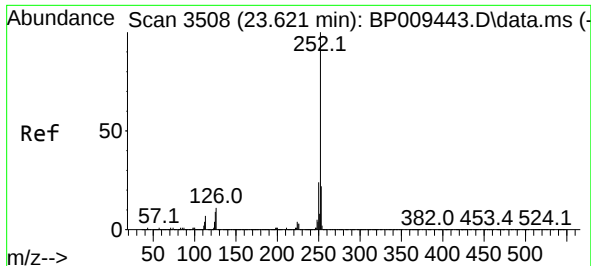
Tgt Ion:252 Resp: 554939  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.8 26.8  
125 12.3 8.1 12.1#



#89  
Benzo(k)fluoranthene  
Concen: 7.396 ng  
RT: 22.916 min Scan# 3388  
Delta R.T. -0.065 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:252 Resp: 554939  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.5 26.3  
125 12.3 8.3 12.5

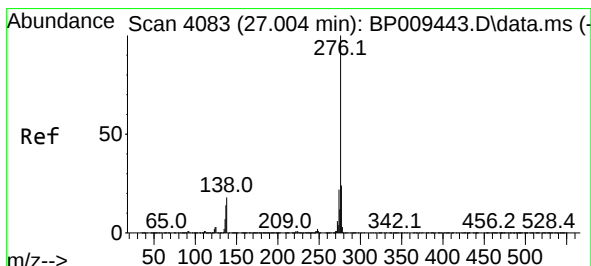
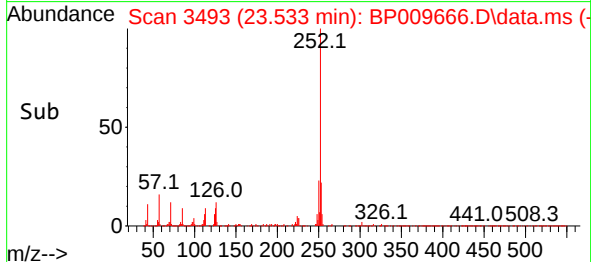
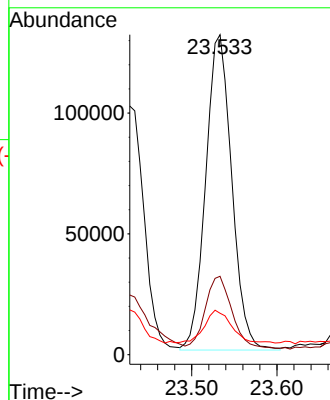
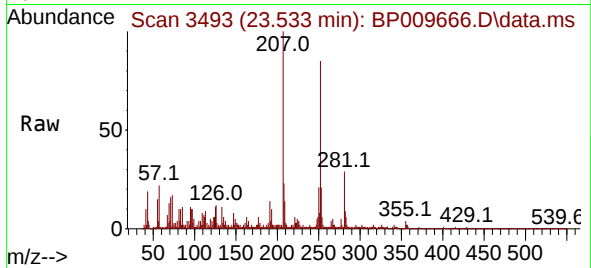




#90  
Benzo(a)pyrene  
Concen: 4.239 ng  
RT: 23.533 min Scan# 34  
Delta R.T. -0.018 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Instrument :  
BNA\_P  
ClientSampleId :  
A05015

Tgt Ion:252 Resp: 277953  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.8 26.6  
125 13.0 9.3 13.9



#92  
Benzo(g,h,i)perylene  
Concen: 2.807 ng  
RT: 26.862 min Scan# 4059  
Delta R.T. -0.035 min  
Lab File: BP009666.D  
Acq: 01 Apr 2022 19:45

Tgt Ion:276 Resp: 224188  
Ion Ratio Lower Upper  
276 100  
277 32.2 19.2 28.8#  
138 20.9 18.0 27.0

